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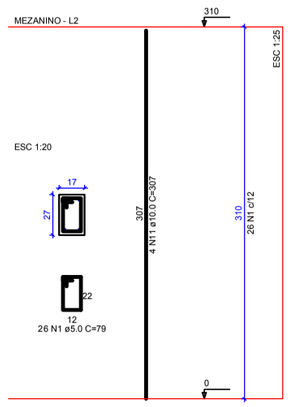

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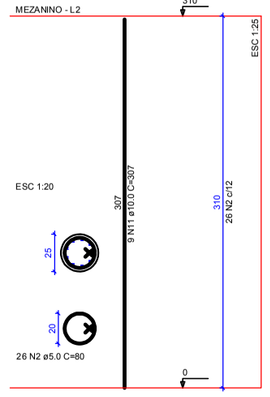

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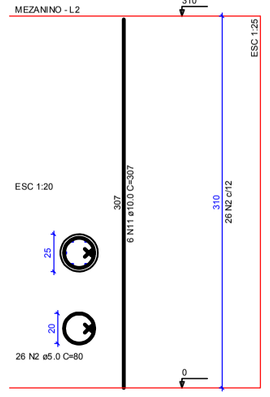

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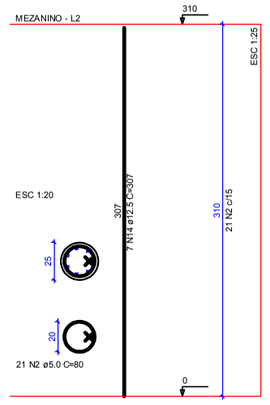

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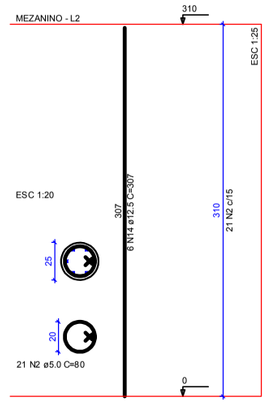

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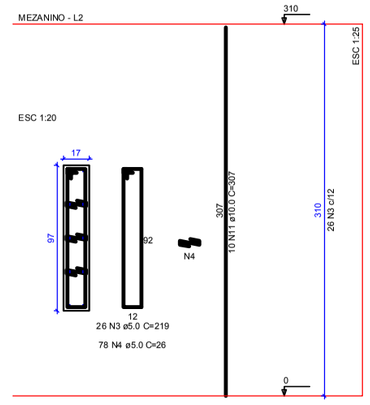

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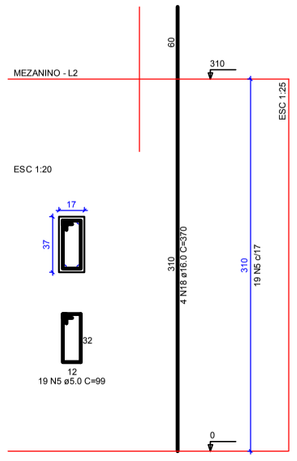

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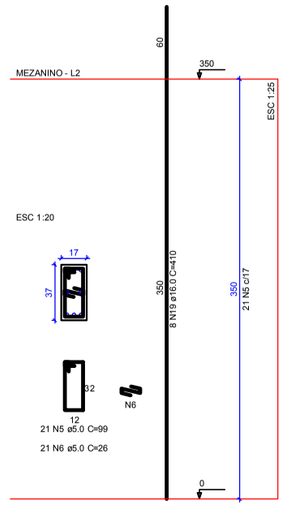

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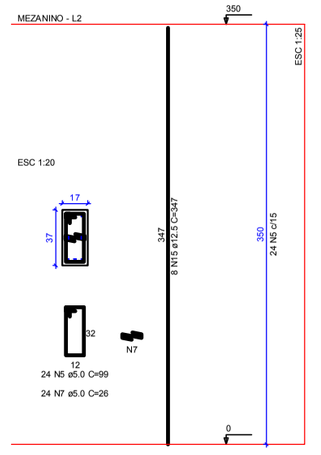

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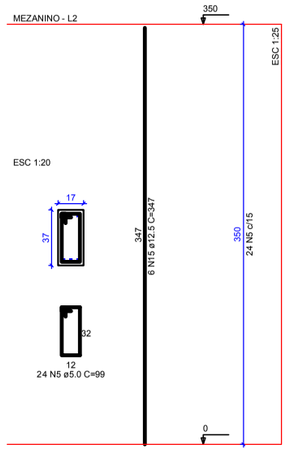


RELAÇÃO DO AÇO

15xP1	P3	6xP4	
P9	P10	3xP16	
P17	P18	P19	
2xP20	P22	P23	
3xP24	4xP27	2xP29	
P30	P31	P32	
P35	P36	2xP38	
P41	P42	P43	
P44	P46	3xP47	
P50	P52	P53	
4xP58	P64	2xP65	
P68	P69	P70	
P71	P72		

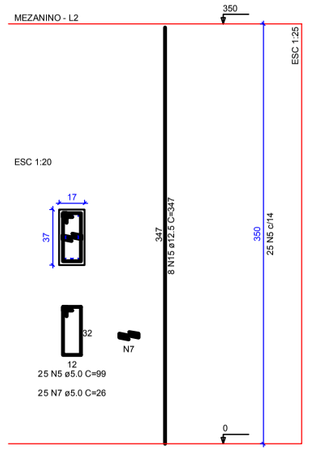
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	641	79	50639
	2	5.0	224	80	17920
	3	5.0	78	218	17082
	4	5.0	234	99	23166
	5	5.0	234	26	6084
	6	5.0	220	26	5720
	7	5.0	255	26	6630
	8	5.0	45	119	5355
	9	5.0	105	112	11760
	10	5.0	21	105	2205
50	11	10.0	141	307	43287
	12	10.0	34	388	13192
	13	10.0	8	348	2784
	14	12.5	29	307	8903
	15	12.5	44	347	15268
	16	12.5	60	397	31760
	17	12.5	12	357	4284
	18	16.0	20	370	7400
	19	16.0	64	410	26240
	20	16.0	24	347	8328
	21	16.0	24	307	7368

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	10.0	592.6	402.0
	12.5	602.1	638.5
	16.0	493.4	857.4
CA60	5.0	1935.8	327.9
PESO TOTAL			
CA50	1897.9		
CA60	327.9		

Vol. de concreto total (C-25) =14.73 m³
Área de forma total = 247.11 m²

P22



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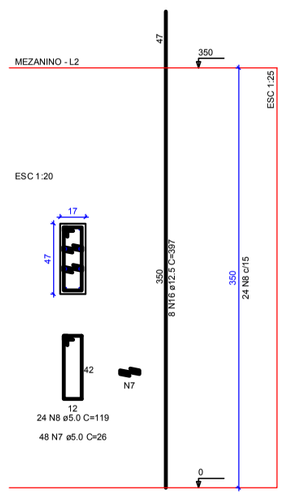

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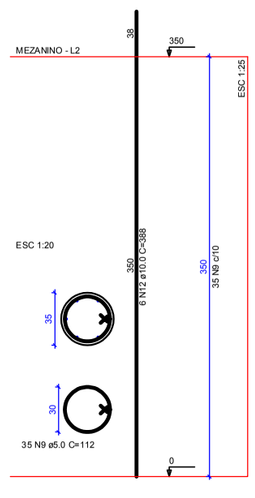

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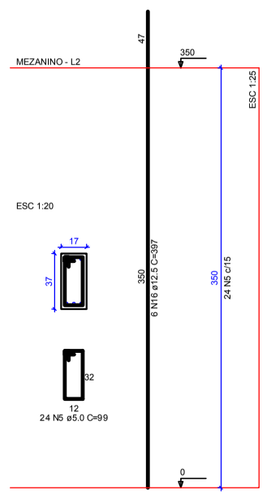

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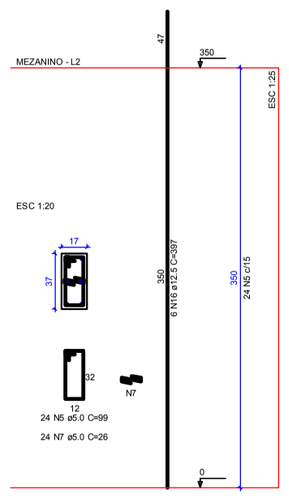

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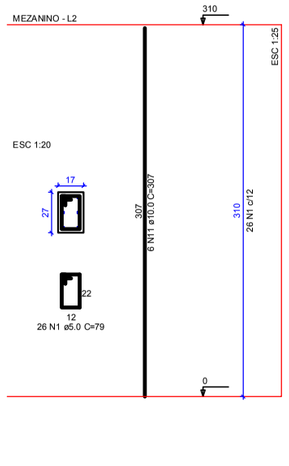

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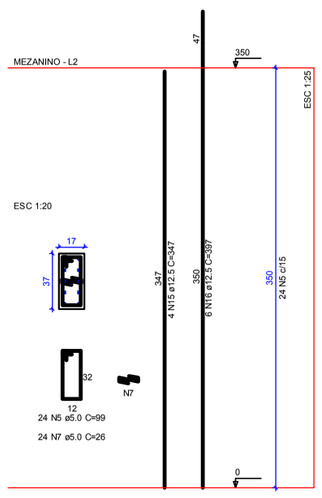

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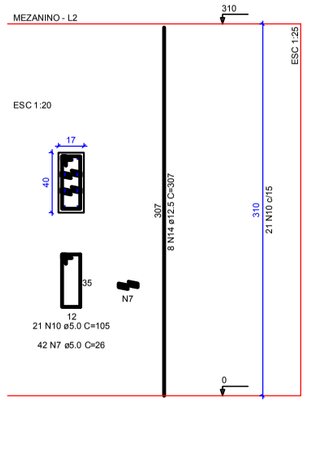

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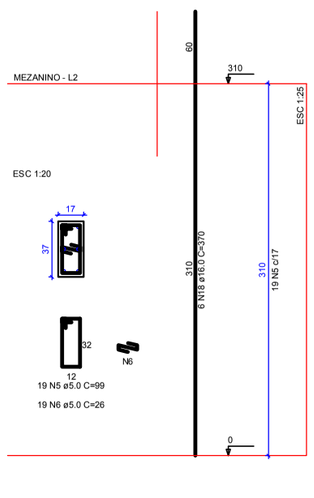

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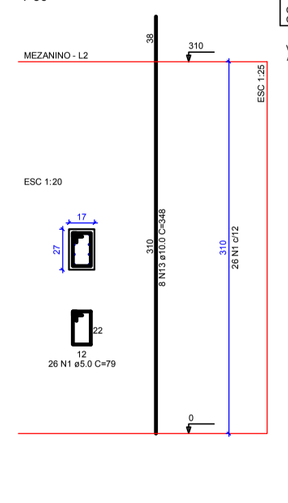

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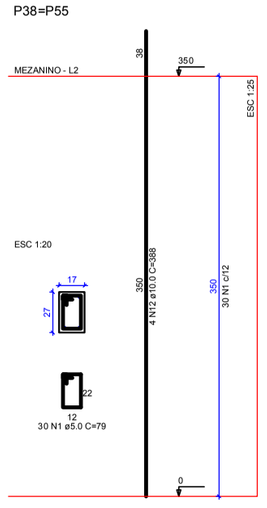

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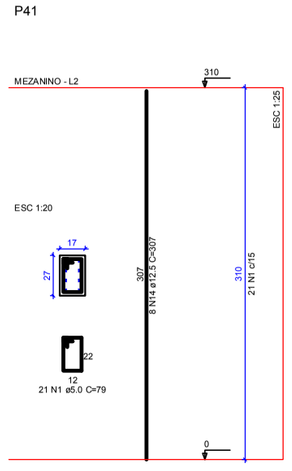

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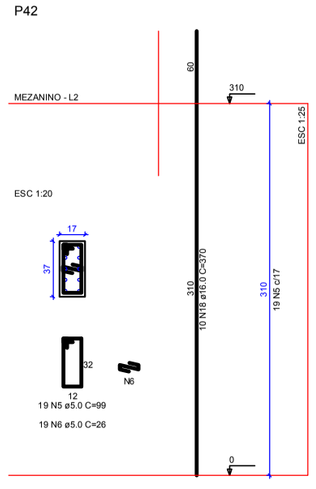

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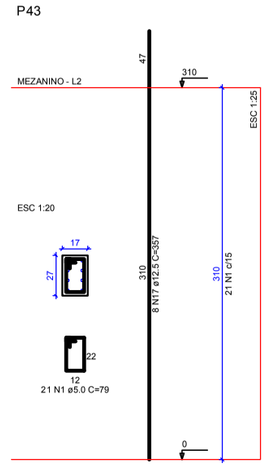

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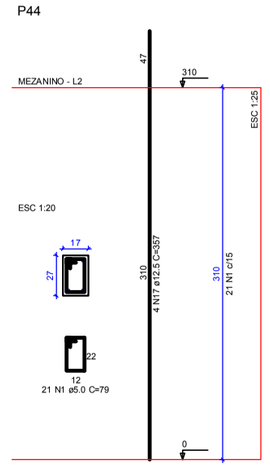

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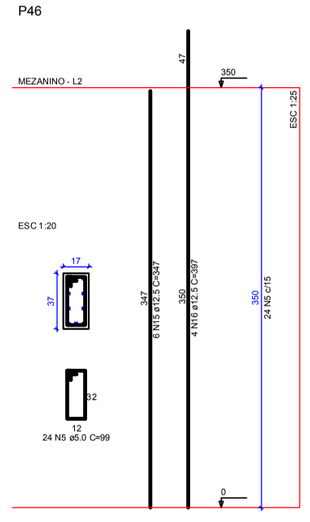

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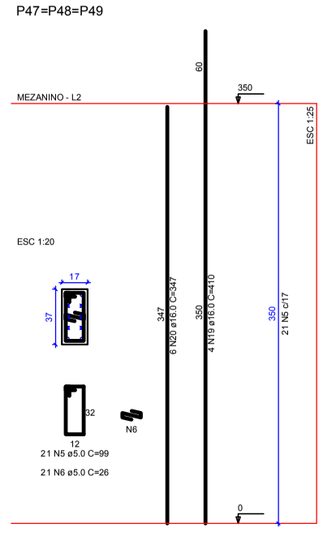

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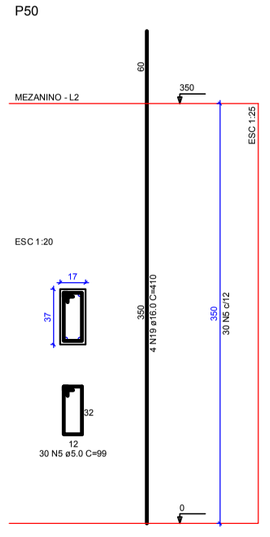

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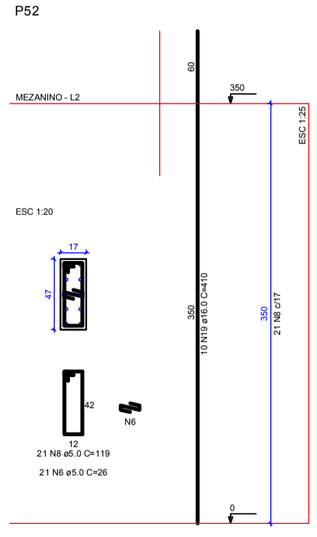

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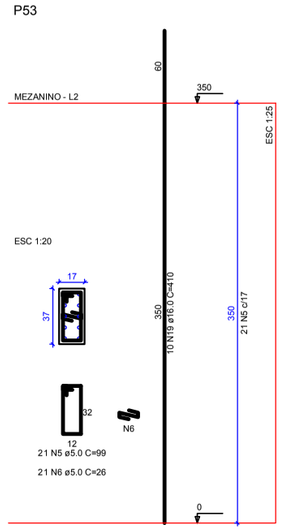

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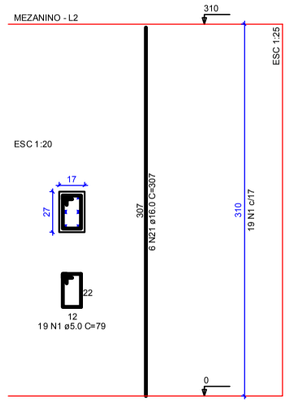

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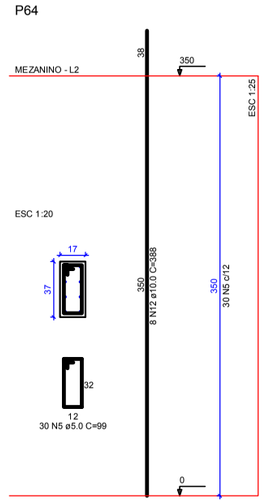

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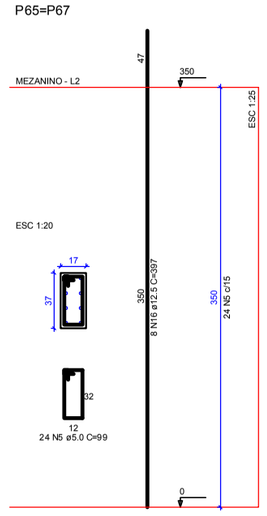

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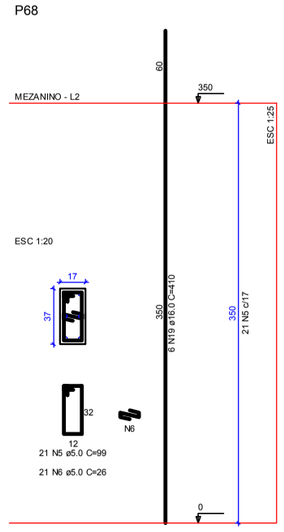

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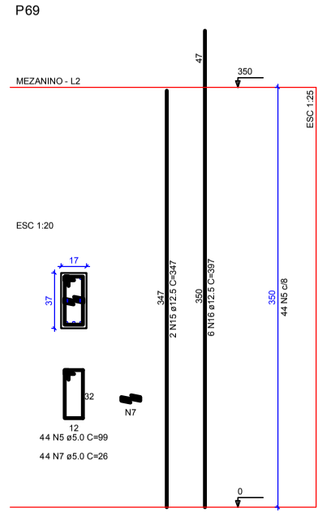

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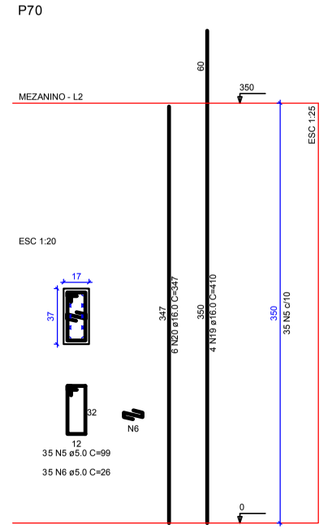

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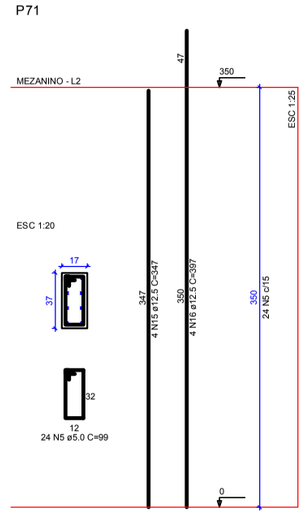
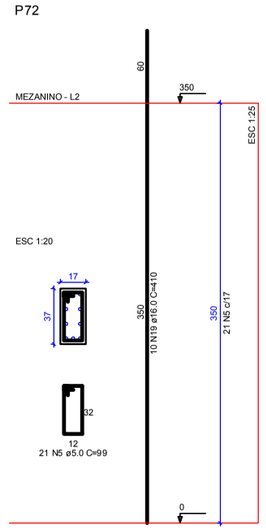
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