

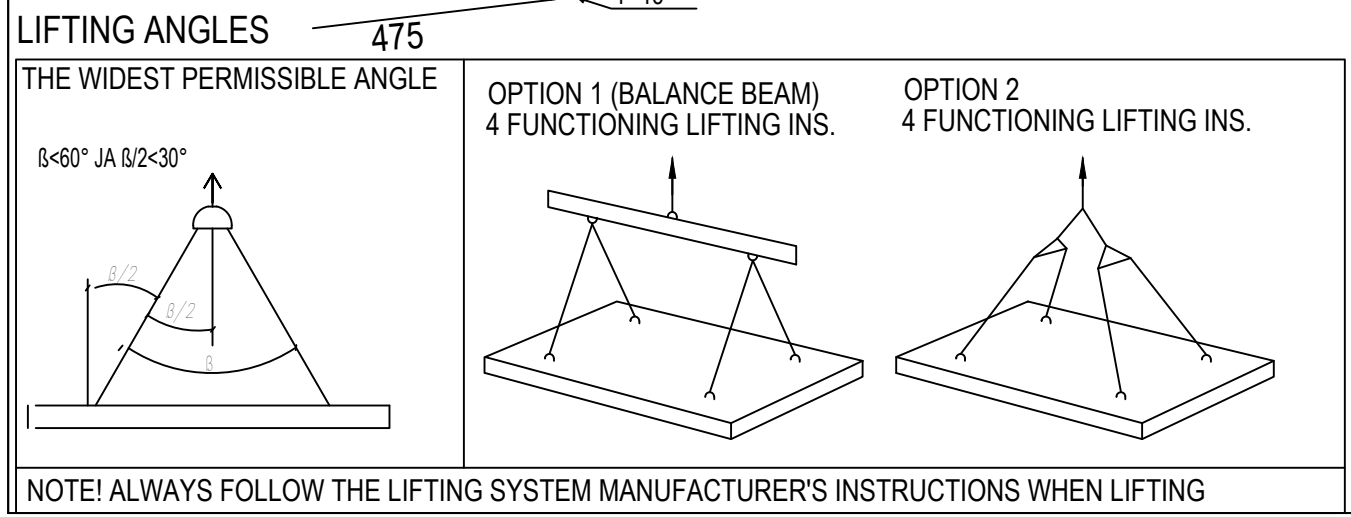
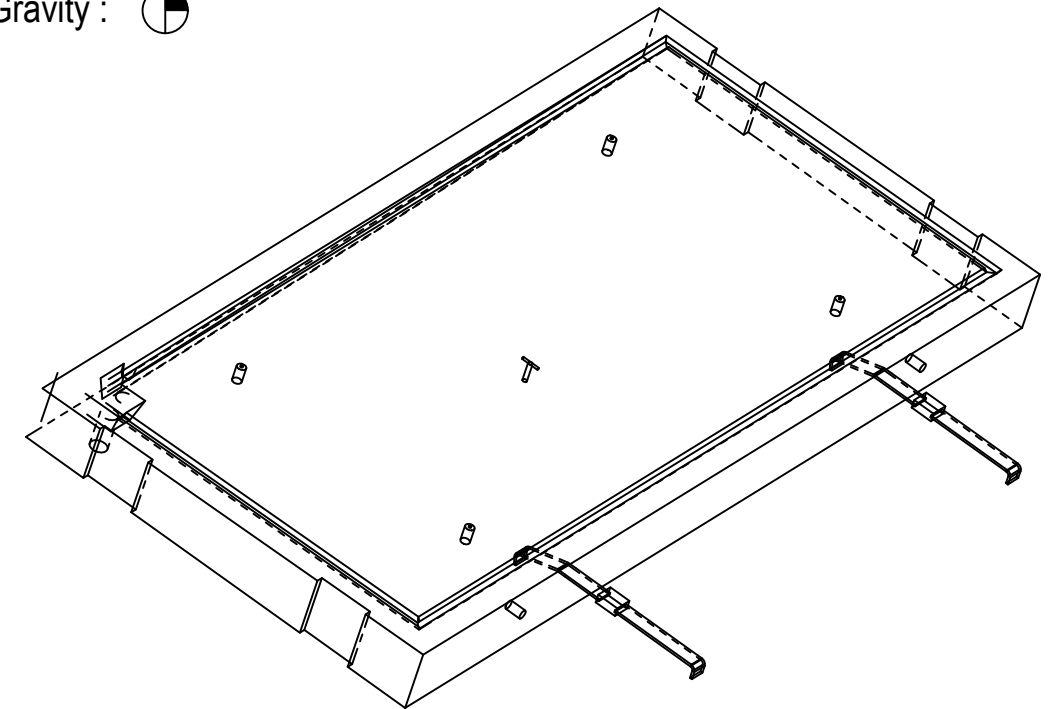
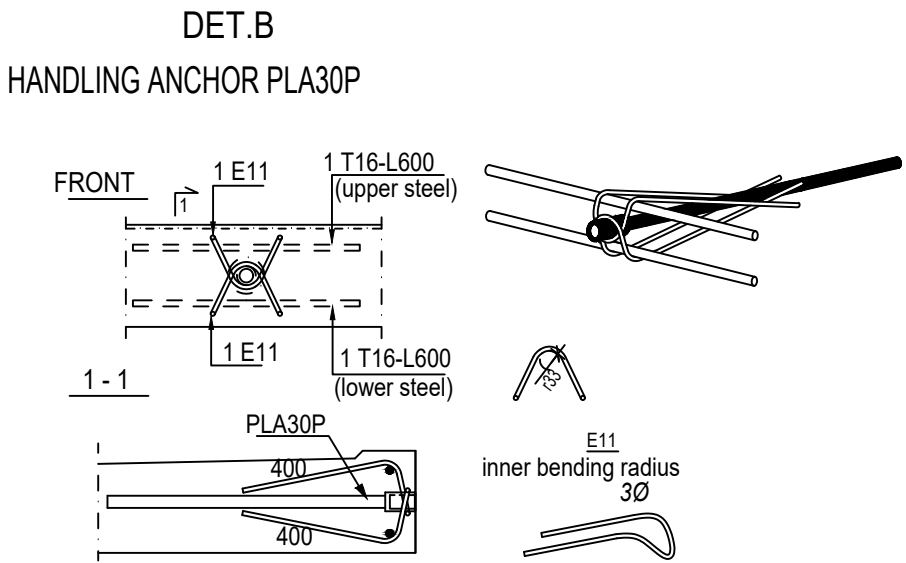
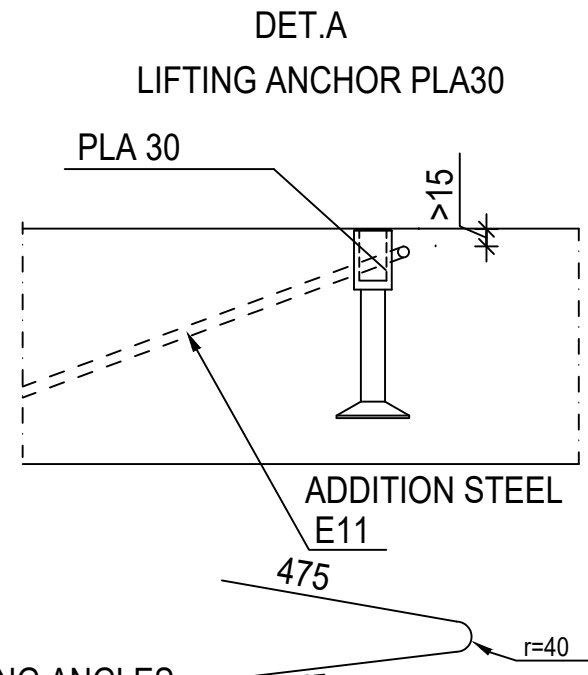
EMBED LIST			
CAST UNIT WEIGHT IS CALCULATED USING CONCRETE VOLUME AND DENSITY 2500kg/m ³ + weight of embedded objects.			
ELEMENT POSITION	PCS	AREA [m ²]	
CL-2	1	8.09	
CONCRETE	NAME	VALUE	UNIT
C35/45 WEATHER RESISTANCE	BALCONY SLAB	2.15	m ³
ELEMENT TOTAL WEIGHT:			5.37 t
VALUE	UNIT	EMBEDS	
4.0	kpl	PLA30	
2.0	kpl	PLA30P Stainless	
2.0	kpl	PS230 Balcony slab connector	
1.0	kpl	Vemo VASBR M16x90 1.4305	
1.0	kpl	vesivek 83/75 1.4301	
2.0	kpl	Additional rebar T8 B500B	
4.0	kpl	Additional rebar E11 D11 L=1330 B600KX	
4.0	kpl	Additional rebar T16 D16 L=580 B500B	
37.4	kg	TOP_BARS 8-150-1754/4050 B500K	
91.5	kg	sk_yp 12-150-1910/4030 B500K	
21.1	kg	B500B ø8	
23.7	kg	B500B ø10	
3.3	kg	B600KX ø5	
2.8	kg	B600KX ø7	
2.3	kg	B600KX ø9	
2.9	kg	B600KX ø11	

GENERAL INFORMATION		
Planned life time	50 years	
Exposure class	UPPER SURFACE: XC4-XS1-XF1	SFS-EN 1992-1-1+NA
	LOWER SURFACE: XC3-XS1-XF1	
Fire resistance class	R60	
Consequence class	CC2	

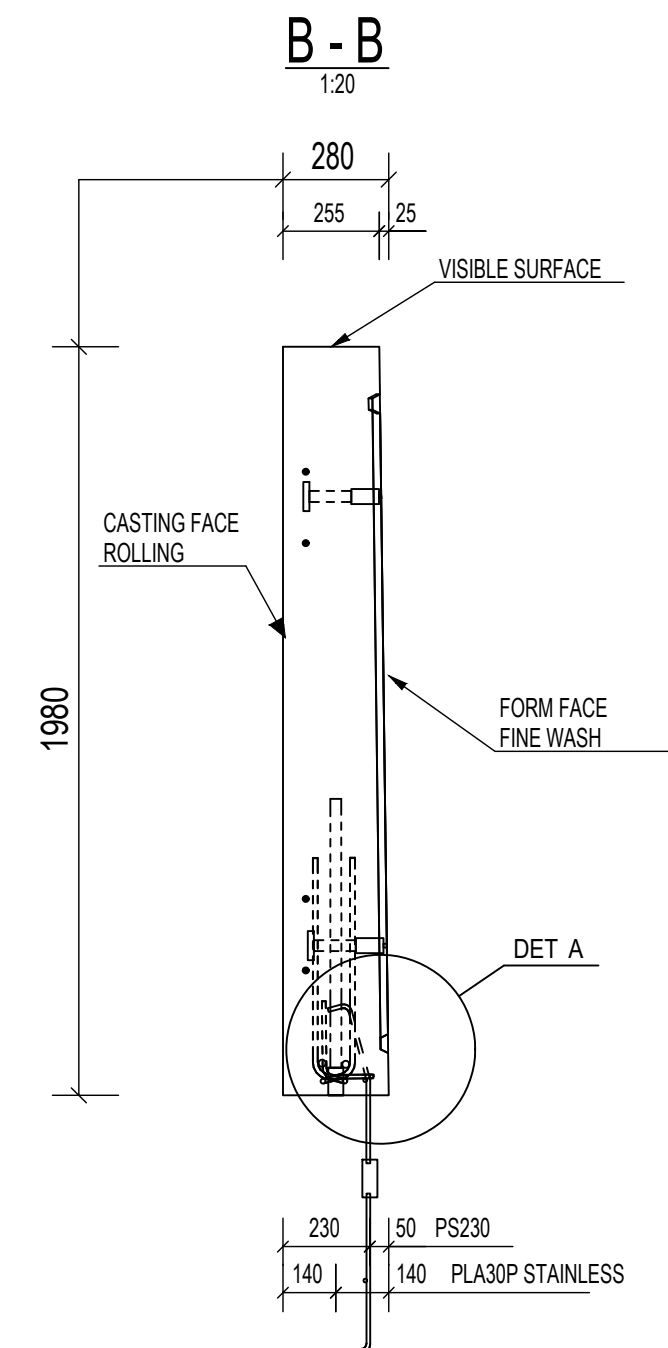
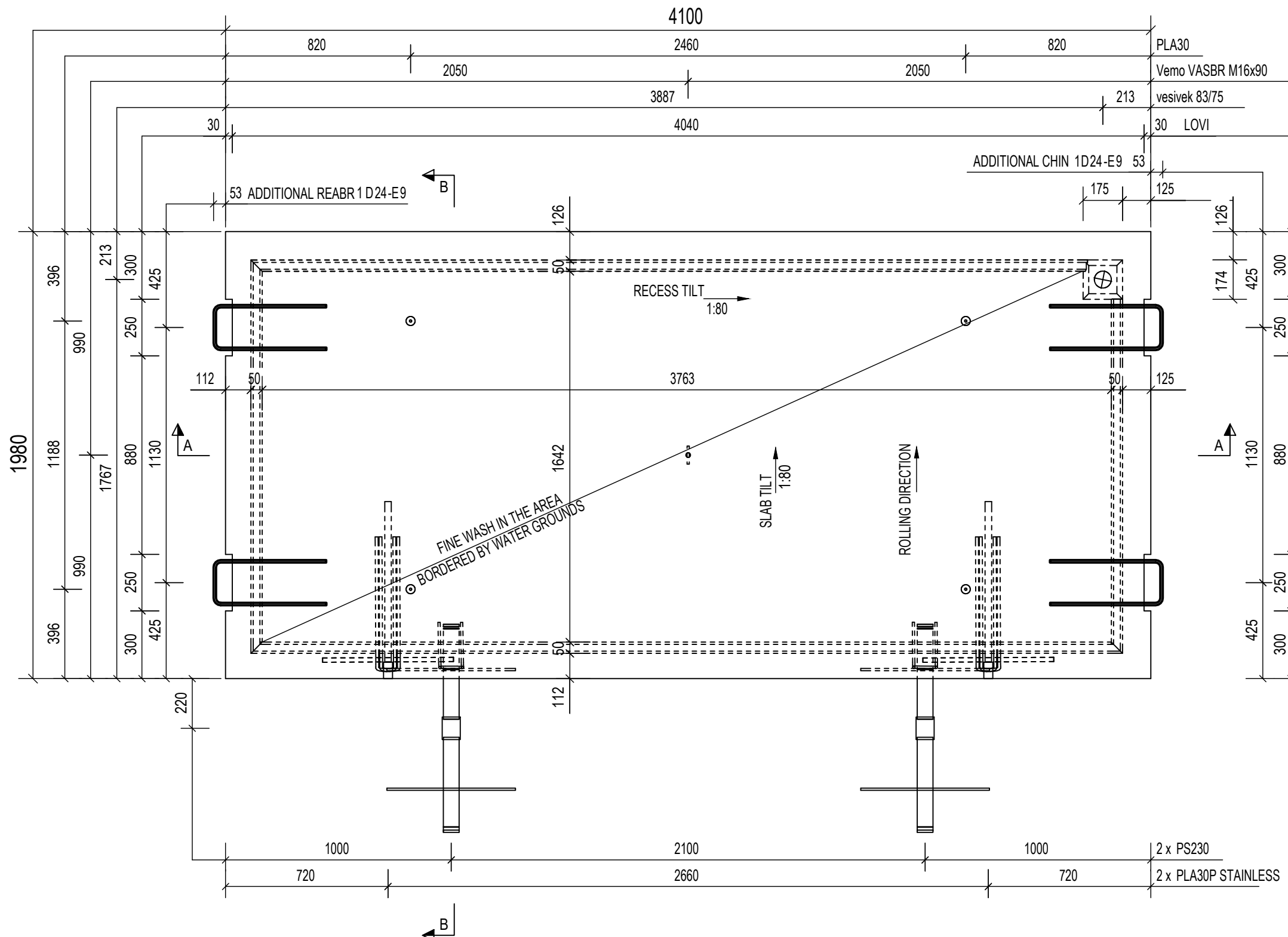
PRODUCT INFORMATION		
Concrete	C35/45	SFS-EN 206, SFS 7022
Concrete cover 1	25 mm ±10 (stainless)	B600KX
Concrete cover 2	35 mm ±10	B500B
Max aggregate size	16mm	
Tolerance class	Measurement class, normal	Betonielementtien toleranssit, 2011
Surface treatment 1	Form face MUO-A,	Fine wash PESH-A
Surface treatment 2	Casting face TEL-A	According to plans
Chamfers 1	Pencil rounding on visible edges (kp)	
Lifting strength	C20/25	
Transport and erection strength	C30/37	
Reinforcement bar	T=B500B (SFS 1268), E=B600KX (SFS 1259)	
Reinforcement mesh	K=B500K (SFS 1257), E=B600KX (SFS 1259)	
Other steel materials:	S=S235JRG2 (SFS-EN 10025-2) 1.4301 (SFS-EN 10088, AISI 304)	
tensile strength-/yield strengths:	B500B=550/500 MPa, B600KX 660/600MPa S235JRG2=360/235 MPa, 1.4301=520/210MPa	
Extension lengths:	T8-500, T10-650, T12-750, T16-1000	MESHES 2 pitches
Maximum amount of chloride	According to SFS 7022	

IF THE PRECAST MANUFACTURER WANTS TO REPLACE AN EMBED OR MATERIAL WITH ANOTHER, THE CONSTRUCTION/ELEMENT DESIGNER MUST APPROVE THE CHANGE BEFOREHAND.

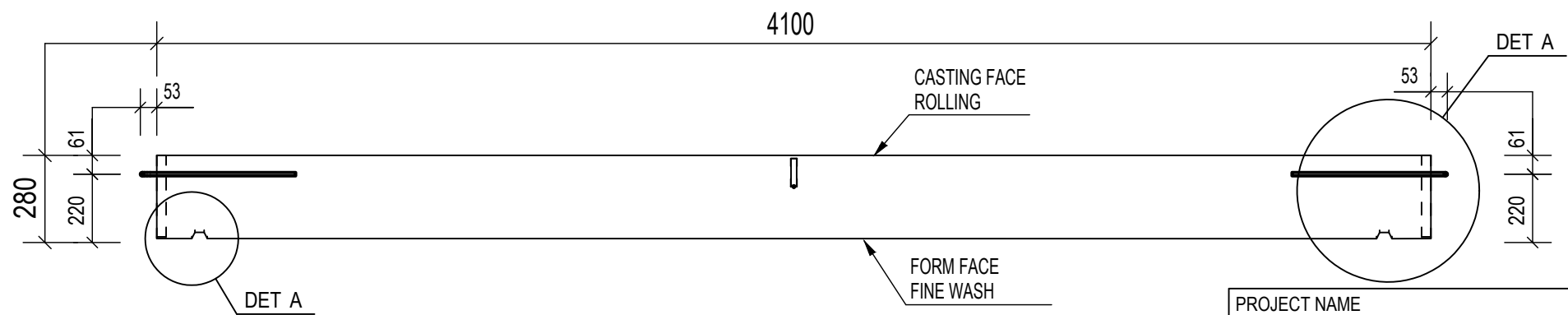
Center of Gravity : 



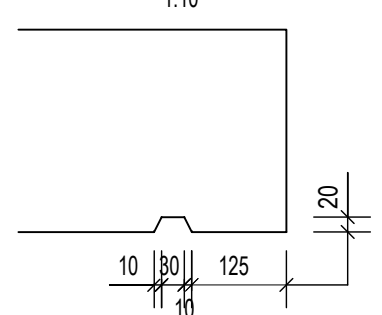
PROJECT NAME		DRAWING CONTENT	SCALES
		ELEMENT DRAWING	1:10
		CL-2, BALCONY SLAB	1:20
			1:30
DRAWER	DESIGNER		
INITIALS	Education + Name		
CHECKER	ACCEPTOR		
Education + Name	Education + Name		
Designing office Address PO Box Phone www.office.com firstname.lastname@office.com		PROJECT NUMBER	SUB NUMBER
		DWG. NO.	
		CL-2	
DESIGN GROUP	PAGE	DATE	REVISION
STR	1 / 4	20.03.2020	



A - A
1:20
4100



DETAIL A
1:10



PROJECT NAME CL-2	PROJECT NUMBER	SUB NUMBER	DWG. NO. CL-2	
	DESIGN GROUP STR	PAGE 2 / 4	DATE 20.03.2020	REVISION

REINFORCING BAR LIST

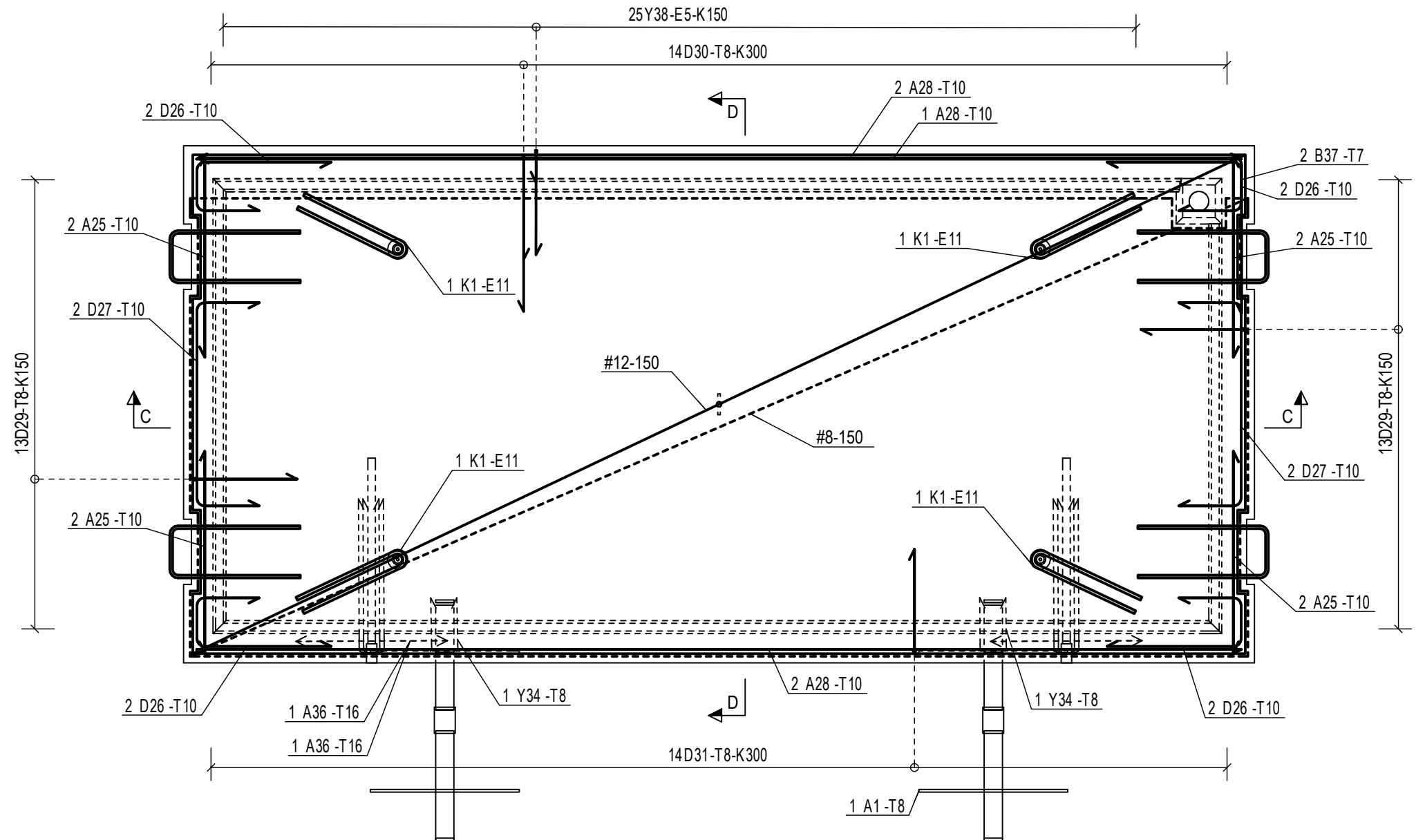
REINFORCING BARS															0	
TYPE	POS	PCS	GRADE	D [mm]	L [mm]	dL [mm]	WEIGHT SUM [kg]	BENDING DIMENSIONS [mm]							COMMENT	
								a	b	c	d	e	u	v	x	TD
K	1	4	B600KX	11	970		2.9	475	475	22					70	
D	24	4	B600KX	9	1160		2.3	500	200	500						42
A	25	8	B500B	10	770		3.8	770								
D	26	8	B500B	10	910		4.5	520	198	245						46
D	27	4	B500B	10	1230		3.0	245	790	245						46
A	28	5	B500B	10	4000		12.3	4000								
D	29	26	B500B	8	960		9.8	400	195	400						36
D	30	14	B500B	8	1120		6.1	600	164	400						36
				...	1090	2	...	600	126	400						
D	31	14	B500B	8	940		5.2	400	175	400						36
B	37	2	B600KX	7	4580		2.8	4000	600							42
Y	38	25	B600KX	5	850		3.3									

REINFORCING BAR TOTAL WEIGHT [kg]:

REINFORCEMENT MESH LIST

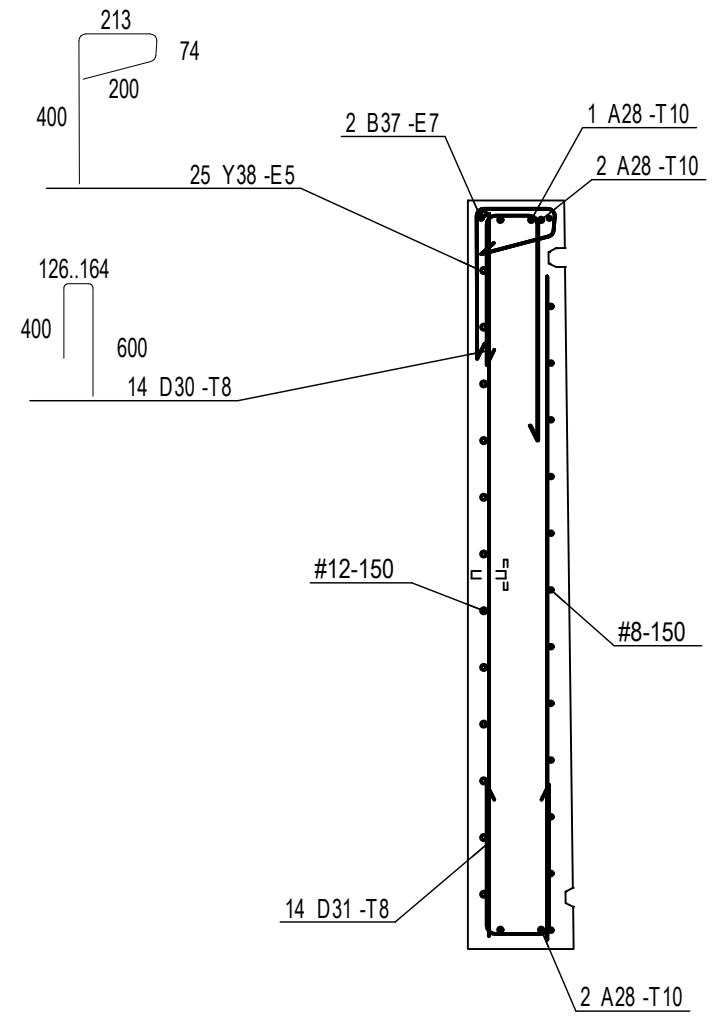
NRO	LKM	LAATU	KOKO	NIMI	kg/KPL	kg/YHT
CL-32	1	B500K	4030 x 1910	IP_US	91.5	91.5
CL-33	1	B500K	4050 x 1754	TOP_BARS	37.4	37.4

REINFORCEMENT MESH TOTAL WEIGHT [kg]: 128.9

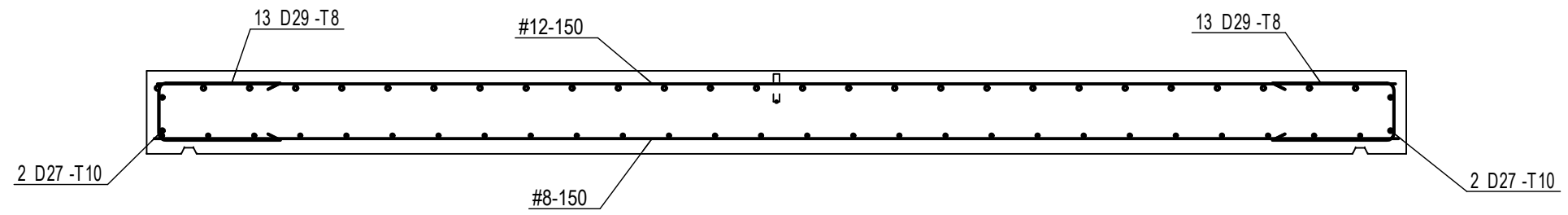


PROJECT NAME	PROJECT NUMBER	SUB NUMBER	DWG. NO.	
CL-2			CL-2	
DESIGN GROUP	PAGE	DATE	REVISION	
STR	3 / 4	20.03.2020		

D - D
1:20



C - C
1:20



PROJECT NAME CL-2	PROJECT NUMBER	SUB NUMBER	DWG. NO. CL-2	
	DESIGN GROUP STR	PAGE 4 / 4	DATE 20.03.2020	REVISION