EMBED LIST

CAST UNIT WEIGHT IS CALCULATED USING CONCRETE VOLUME AND DENSITY 2500kg/m3 + weight of embedded objects.

ELEMENT POSITION	PCS	AREA [m2]
M-1	1	5.49

CONCRETE	NAME	VALUE	UNIT
C30/37	BALCONY WALL	1.10	m³

ELEMENT TOTAL WEIGHT: 2.75 t

VALUE	UNIT	EMBEDS
2.0	kpl	PBR_10
2.0	kpl	Vemo VASBR M16x90 1.4305
2.0	kpl	Vemo VASBR M16x90 1.4305 Recess 10 mm
2.0	kpl	NEOPREN 20X20 L=2044mm SHORE 60
1.7	kg	B600KX ø7
11.0	kg	B600KX ø9

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

GENERAL INFORMATION

Planned life time	50 Years	
Exposure class	XC3,4-XS1-XF1	SFS-EN 1992-1-1+NA
Fire resistance class	R60	
Consequence class	CC2	

PRODUCT INFORMATION

Concrete	C30/37	SFS-EN 206, SFS 7022
Concrete cover 1	25mm ±10	RST
Concrete cover 2	Nominal value of the concrete cover	Nominal value of the concrete cover
Max grain size	16mm	
Tolerance class	Measurement class, normal	Betonielementtien toleranssit, 2011
Surface treatment 1	Form face MUO-A	
Surface treatment 2	Castin face THI-A, steel rubbing	
Chamfers 1	Pencil rounding on visible edges (kp)	
Chamfers 2	(H) Sand the surface	
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 amounth of chloride	SFS 7022	

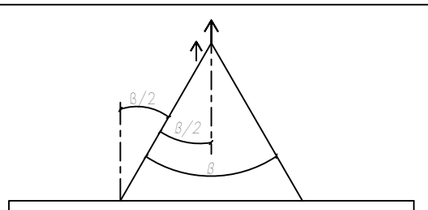
Electrical installations: Betonielementtien sähköasennukset 2012

Viewing direction shown in the plan drawing according to the element's ID reading direction from inside to outside.

Normative reference: Wall elements: SFS 7026

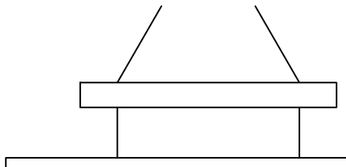
Center of Gravity :

LIFTING ANGLES



THE WIDEST PERMISSIBLE ANGLE

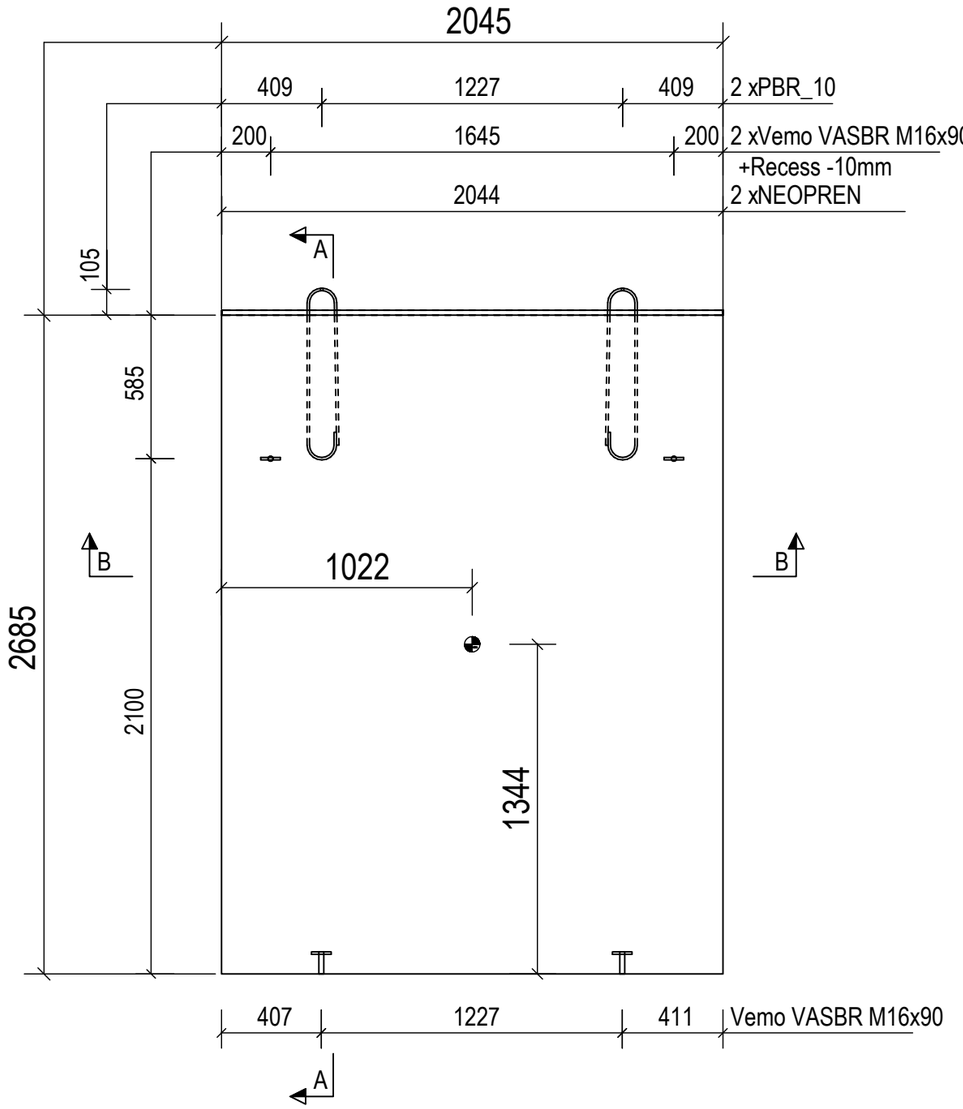
ß<60° AND ß/2<30°

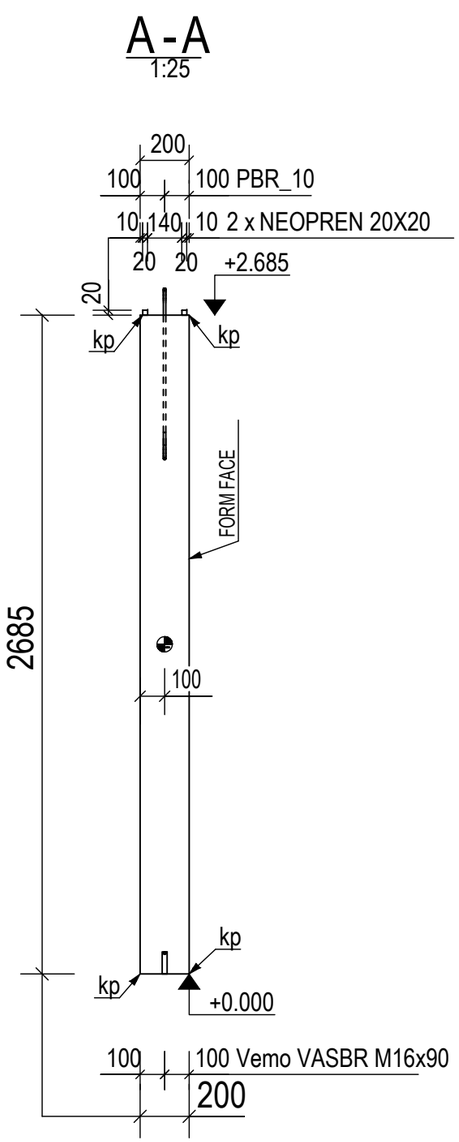


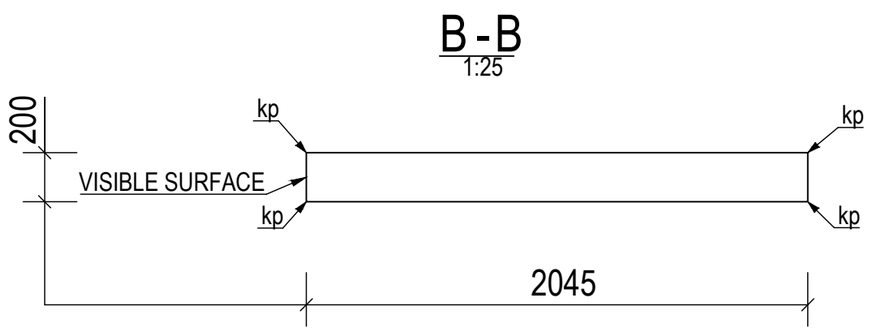
BALANCE BEAM IS USED ALWAYS WHEN
ANGLE ß IS WIDER THAN 60° OR
ANGLE ß/2 IS WIDER THAN 30°

NOTE! ALWAYS FOLLOW THE LIFTING SYSTEM MANUFACTURER'S INSTRUCTIONS WHEN LIFTING

PROJECT NAME		DRAWING CONTENT ELEMENT DRAWING M-1, BALCONY WALL		SCALES 1:25
DRAWER INITIALS	DESIGNER Education + Name			
CHECKER Education + Name	ACCEPTOR Education + Name			
Designing office Address PO Box Phone www.office.com firstname.lastname@office.com		PROJECT NUMBER	SUB NUMBER	DWG. NO. M-1
		DESIGN GROUP STR	PAGE 1 / 4	DATE 20.03.2020
				REVISION







PROJECT NAME	PROJECT NUMBER	SUB NUMBER	DWG. NO.	
M-1			M-1	
	DESIGN GROUP	PAGE	DATE	REVISION
	STR	2 / 4	20.03.2020	

REINFORCING BAR LIST

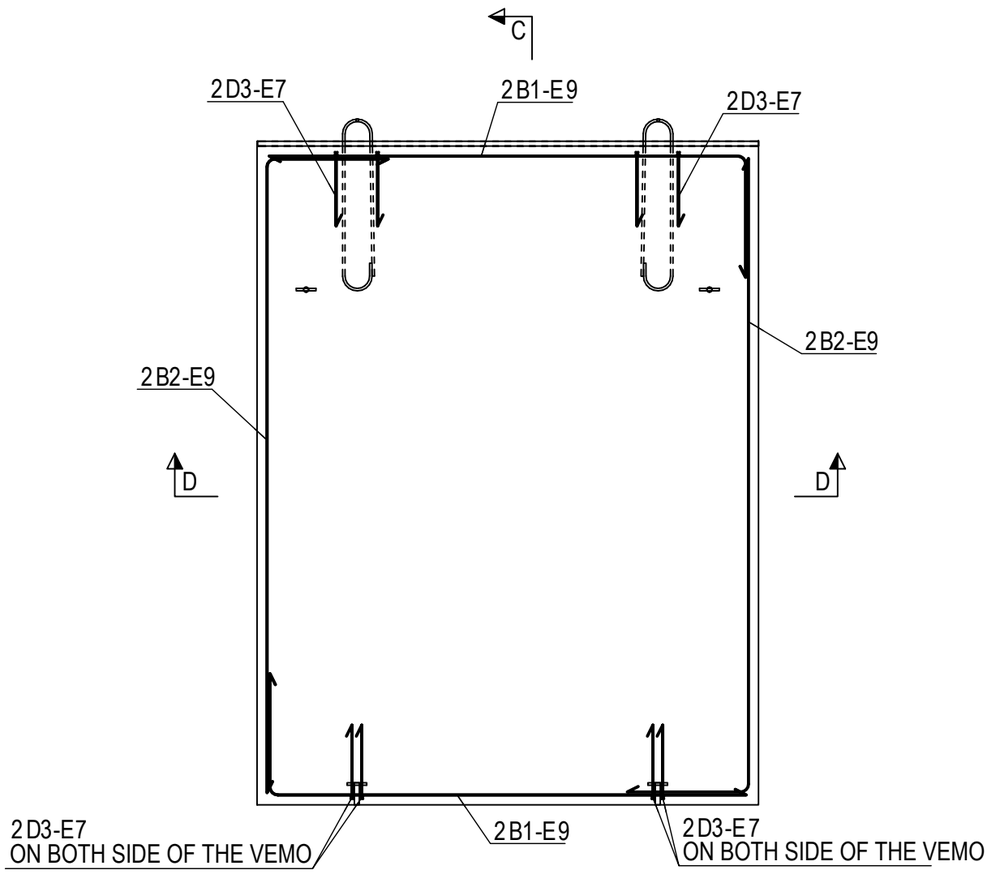
REINFORCING BARS TYPE	POS	PCS	GRADE	D [mm]	L [mm]	dL [mm]	WEIGHT YHT [kg]	BENDING DIMENSIONS [mm] a	b	c	d	e	u	v	x	TD	COMMENT
B	1	4	B600KX	9	2420		4.8	1948	500							54	
B	2	4	B600KX	9	3060		6.1	2588	500							54	
D	3	8	B600KX	7	710		1.7	300	150	300						42	

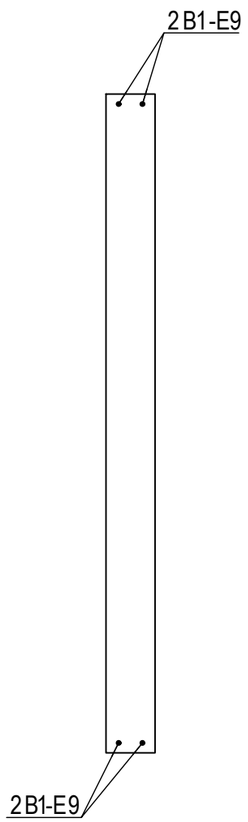
REINFORCING BAR TOTAL WEIGHT [kg]: 12.7

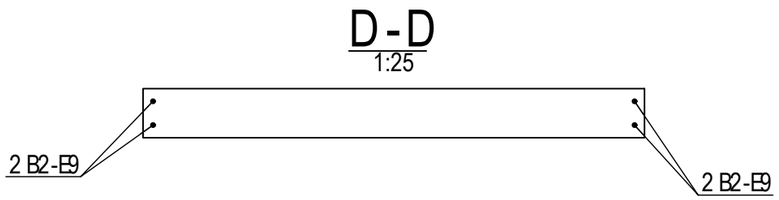
REINFORCEMENT MESH LIST

REINFORCEMENT MESH TOTAL WEIGHT [kg]: 0.0

REINFORCEMENT EXAMPLE







PROJECT NAME	PROJECT NUMBER	SUB NUMBER	DWG. NO.	
M-1			M-1	
	DESIGN GROUP	PAGE	DATE	REVISION
	STR	3 / 4	20.03.2020	