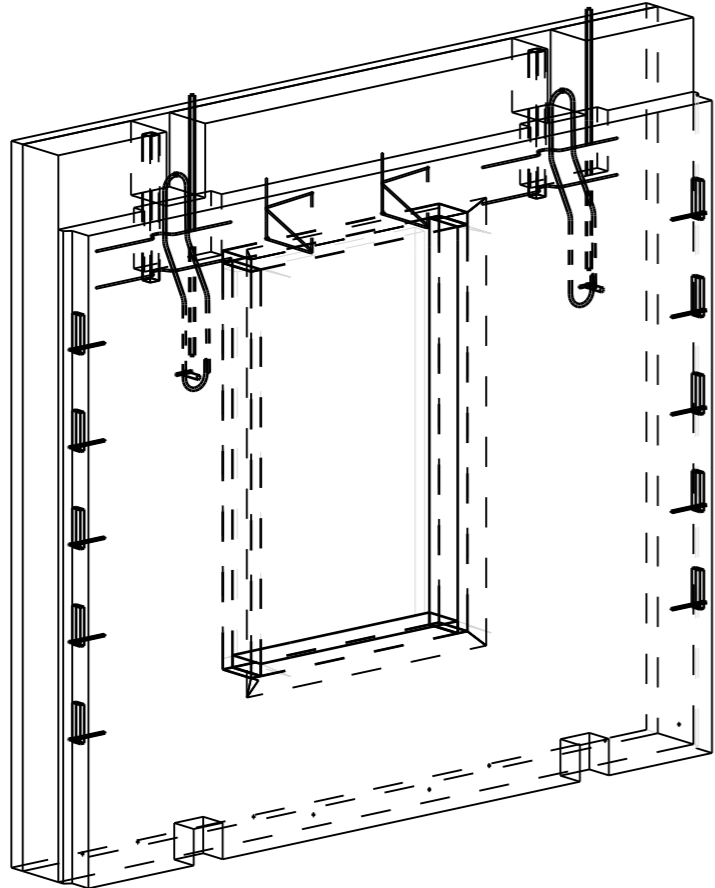
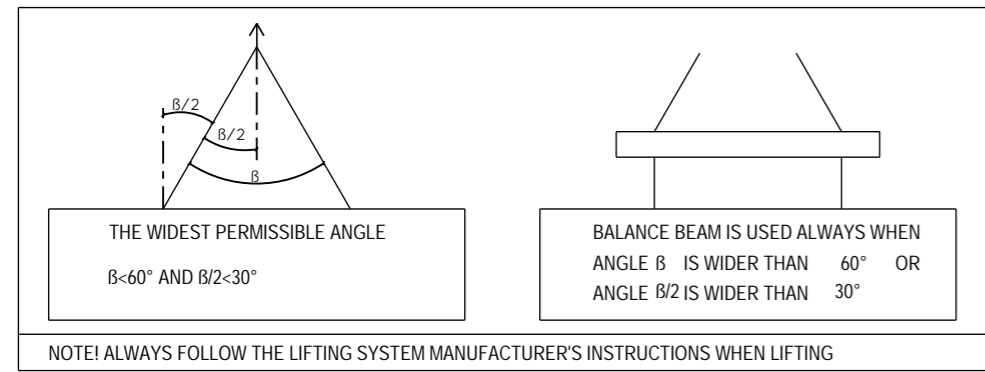


EMBED LIST			
CAST UNIT WEIGHT IS CALCULATED USING CONCRETE VOLUME AND DENSITY 2500 kg/m3 + weight of embedded objects.			
ELEMENT POSITION	PCS	AREA [m2]	
S-1	1	8.29	
CONCRETE	NAME	VALUE	UNIT
C30/37	INNER PANEL	1.08	m ³
C30/37-2 WEATHER RESISTANCE	OUTER PANEL	0.58	m ³
ELEMENT TOTAL WEIGHT:			4.36 t
VALUE	UNIT	EMBEDS	
2	pcs	PBK_12 900-120 alpha max 30°	
8	pcs	PD280	
2	pcs	PPA280	
10	pcs	VL80	
2	pcs	Vemo VASB M16x90 S355JO+N	
4	pcs	AnchorRebar D8 L=731mm B500B	
2	pcs	TUBE P50X50X3 L=600mm TUBE	
5.5	m	FRAME WOOD 175X50 T24	
7.8	m ²	INSULATION PAROC_COS5ggt 220MM	
16.0	kg	#5-150 5-150.0-2935/3239 B600KX	
4.9	kg	B500B ø8	
25.7	kg	B500B ø10	
2.0	kg	B500B ø12	
3.4	kg	B500B ø16	
7.2	kg	B600KX ø7	



LIFTING ANGLES



GENERAL INFORMATION		
Planned life time	50 Years	Inner panel
	50 Years	Outer panel
Exposure class	XC1	Inner panel
	XC3,4;XF1	Outer panel
Fire resistance class	R60	
Consequence class	CC2	

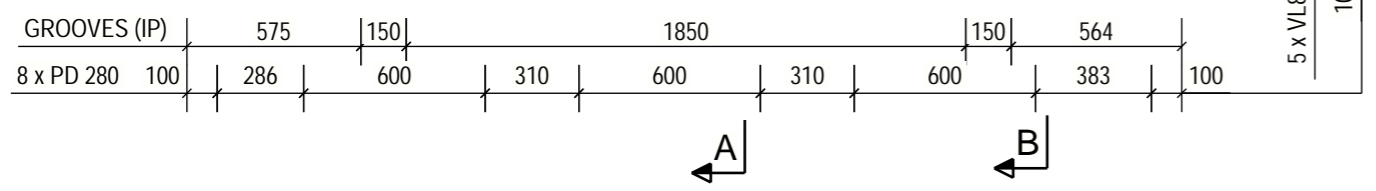
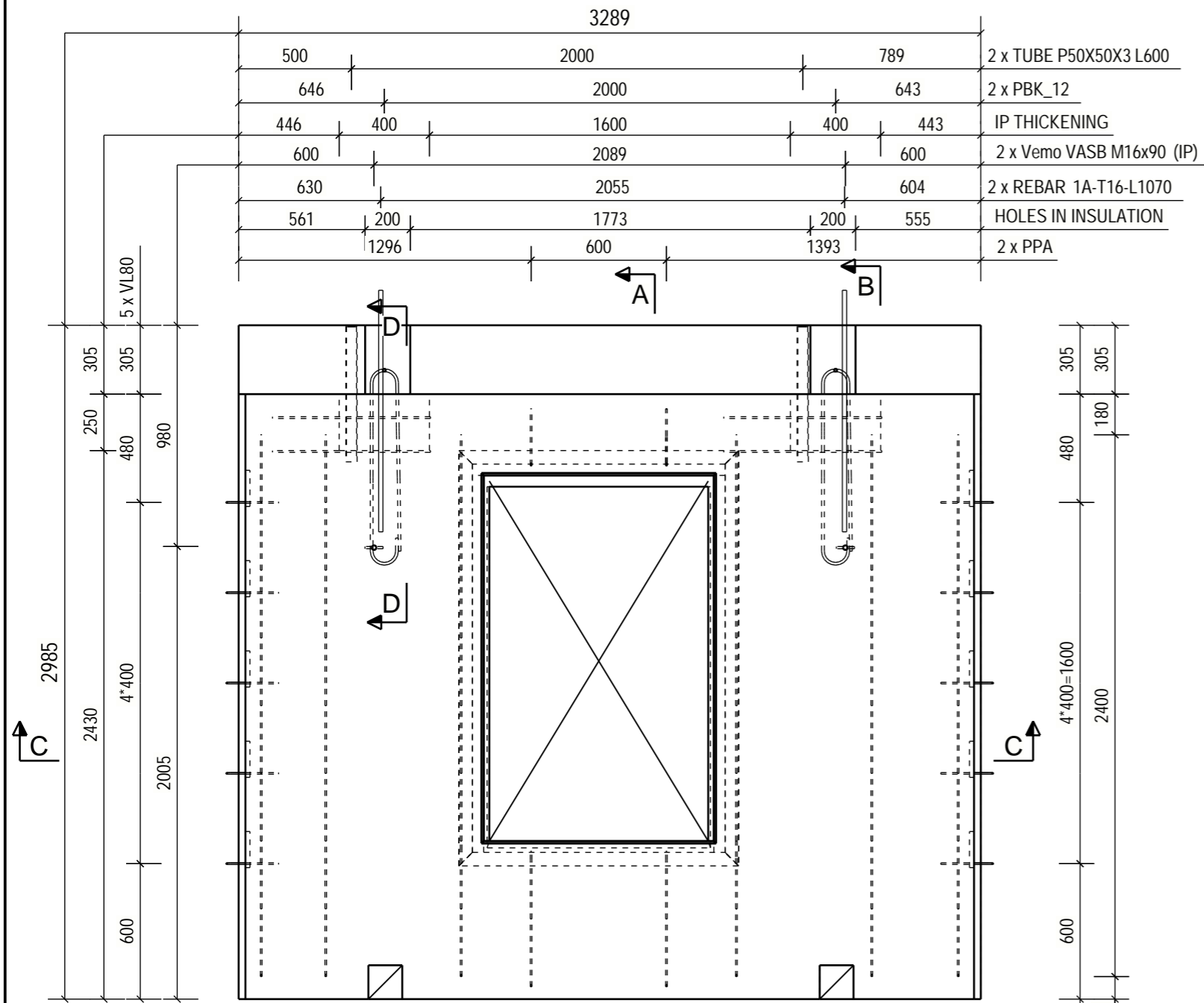
PRODUCT INFORMATION		
Concrete	C30/37	SFS-EN 206, SFS 7022
Concrete cover 1	20 mm +/- 10 mm Inner panel	35 mm +/- 10 mm Outer panel
Max aggregate size	16 mm Inner panel	16 mm Outer panel
Tolerance class	Measurement class, normal	Betonelementtien toleranssit 2011
Surface treatment 1	Form face PESH-A-VAL	(BY40)
Surface treatment 2	Casting face THI -A	(BY40)
Chamfers 1	Pencil rounding on visible edges (kp)	
Lifting strength	C16/20	
Transport and erection strength	C25/30	
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	SFS 7022	

Electrical installations: Betonelementtien sähköasennukset 2012
 Viewing direction shown in the plan drawing according to elements ID reading direction from inside to outside
 Normative reference: Wall elements: SFS 7026
 Center of Gravity :

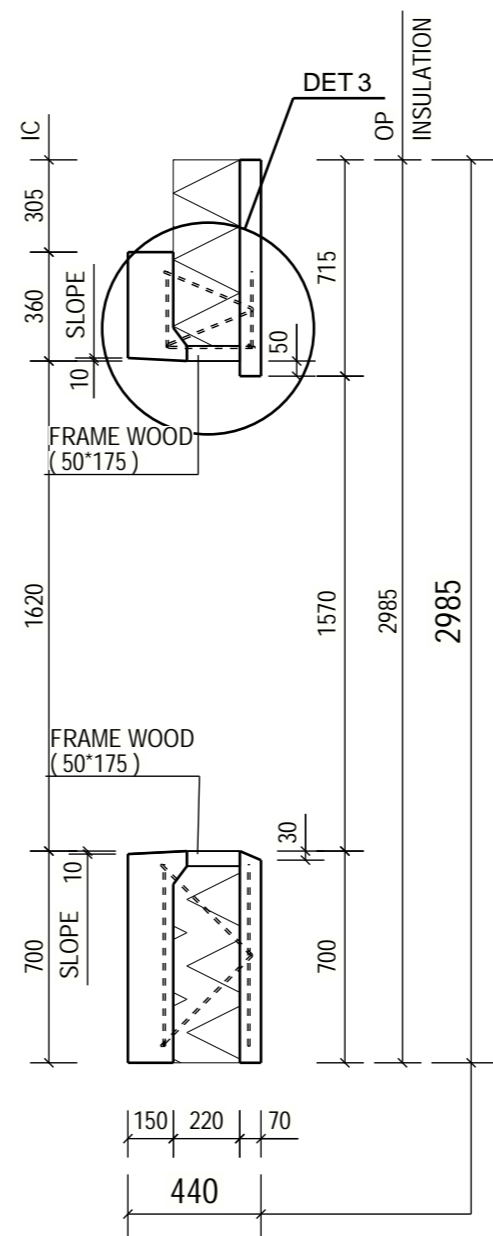
IF THE PRECAST MANUFACTURER WANTS TO REPLACE AN EMBED OR MATERIAL WITH ANOTHER, THE CONSTRUCTION/ELEMENT DESIGNER MUST APPROVE THE CHANGE BEFOREHAND

ELEMENTS UPPER EDGE AND WINDOW OPENINGS WILL BE COVERED PLASTIC HAS TO BE REMOVED BEFORE INSTALLING UPPER FLOOR ELEMENT

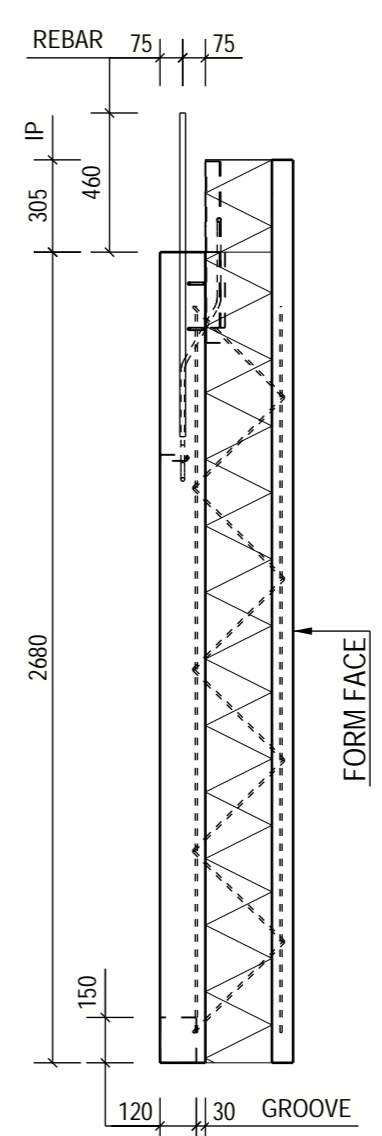
PROJECT NAME		DRAWING CONTENT		SCALES	
		ELEMENT DRAWING		1:10	
		S-1, SANDWICH-ELEMENT		1:20	
				1:25	
DRAWER	DESIGNER				
INITIALS	Education + Name				
CHECKER	ACCEPTOR				
Education + Name	Education + Name				
Designing office Address 12345 Helsinki 020 123 4567 www.office.com firstname.lastname@office.com		PROJECT NUMBER	SUB NUMBER	DWG. NO.	
				S-1	
		DESIGN GROUP	PAGE	DATE	REVISION
		STR		20.03.2020	



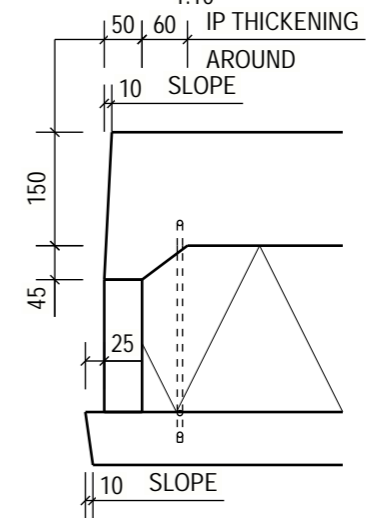
A - A
1:25



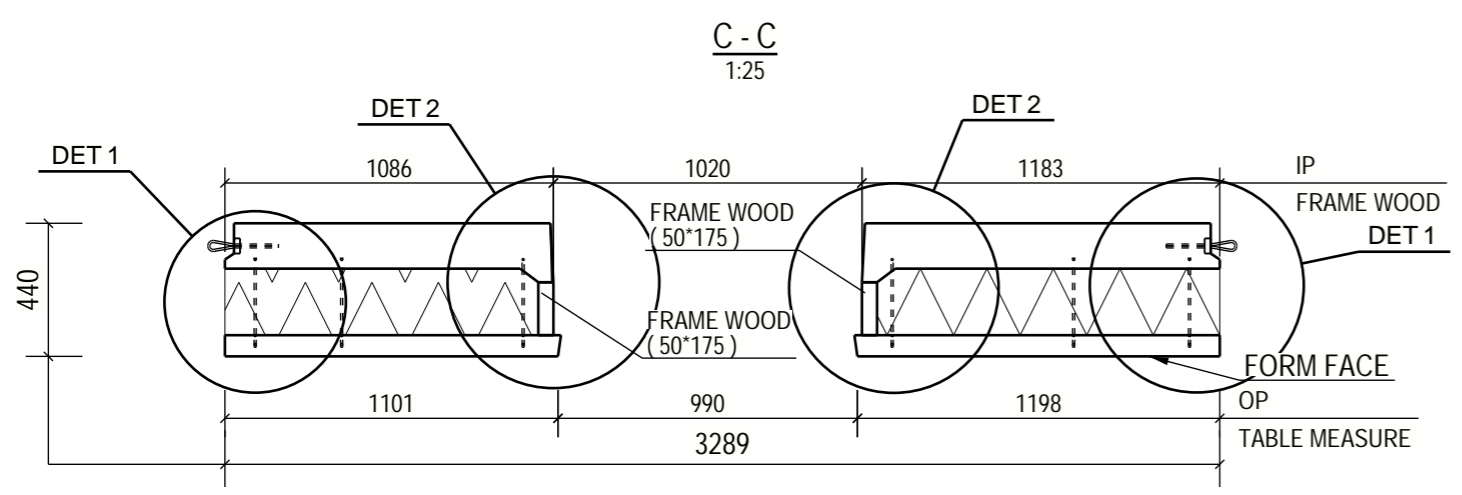
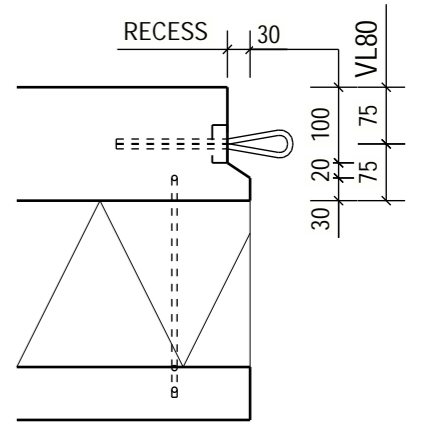
B - B
1:25



DET 2
1:10



DET 1
1:10



PROJECT NAME	PROJECT NUMBER	SUB NUMBER	DWG. NO.
S-1	RAK	2 / 5	S-1
	DATE	REVISI	
	20.03.2020		

REINFORCING BAR LIST

REINFORCING BARS		D	L	dL	WEIGHT	BENDING DIMENSIONS [mm]										COMMENT		
TYPE	POS	PCS	GRADE	[mm]	[mm]	[mm]	SUM [kg]	a	b	c	d	e	u	v	x	TD		
A	1	2	B500B	16	1070		3.4	1070										
D	2	8	B500B	8	840		2.7	400	80	400							32	
B	5	2	B500B	10	3620		4.5	3123	520								40	
B	6	4	B500B	10	3080		7.6	2582	520								40	
B	7	2	B500B	10	3630		4.5	3129	520								40	
A	9	4	B500B	10	1550		3.8	1555										
A	10	4	B500B	10	2140		5.3	2140										
U	12	6	B500B	8	930		2.2	103	310	100							36	
B	16	2	B600KX	7	3710		2.2	3204	520								32	
B	17	2	B600KX	7	3400		2.1	2900	520								32	
A	21	2	B500B	12	300		0.5	300										
A	22	2	B500B	12	850		1.5	850										
A	23	4	B600KX	7	600		0.7	600										
A	24	2	B600KX	7	1490		0.9	1490										
A	25	2	B600KX	7	2160		1.3	2155										

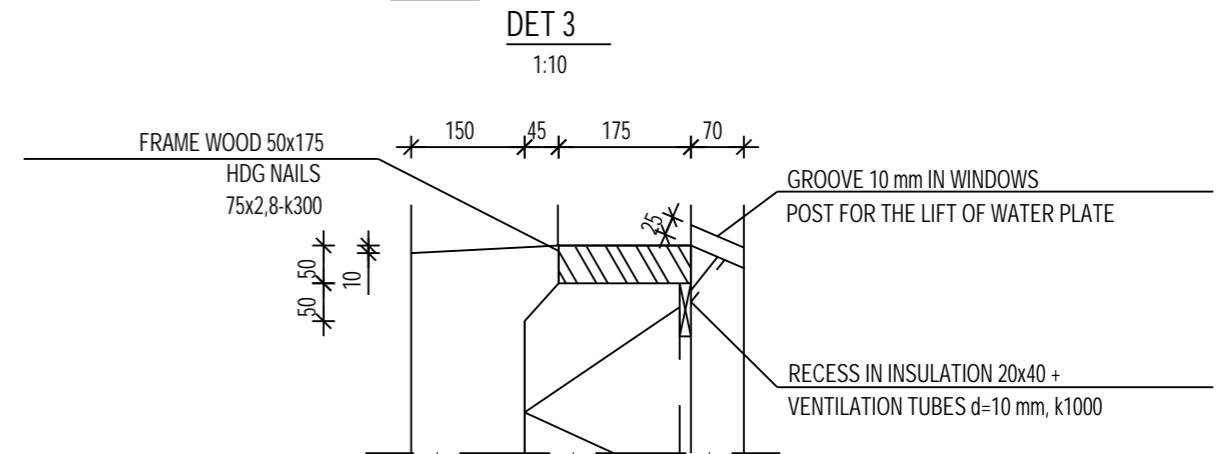
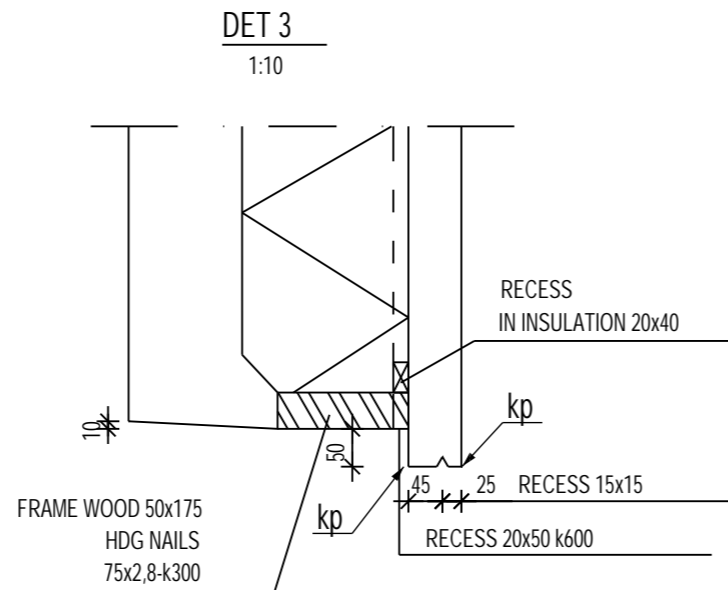
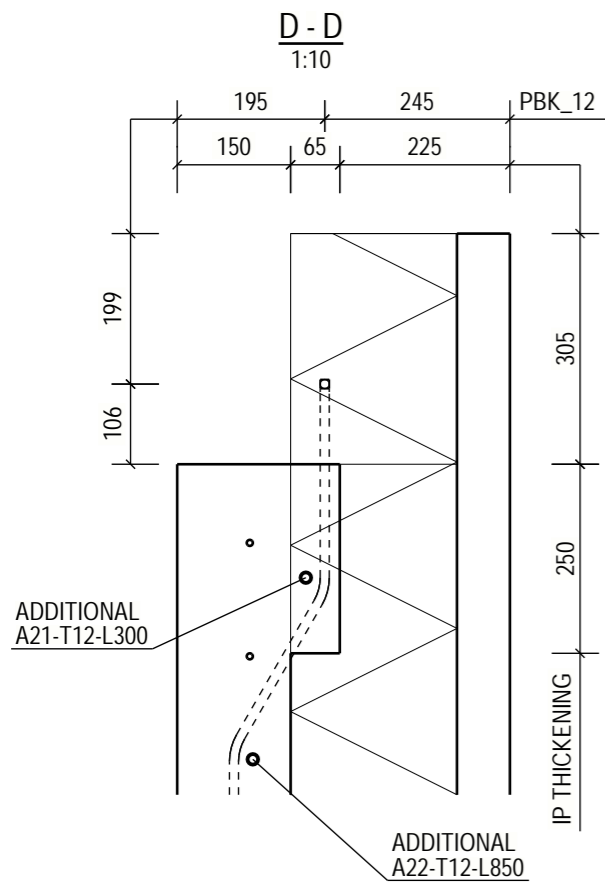
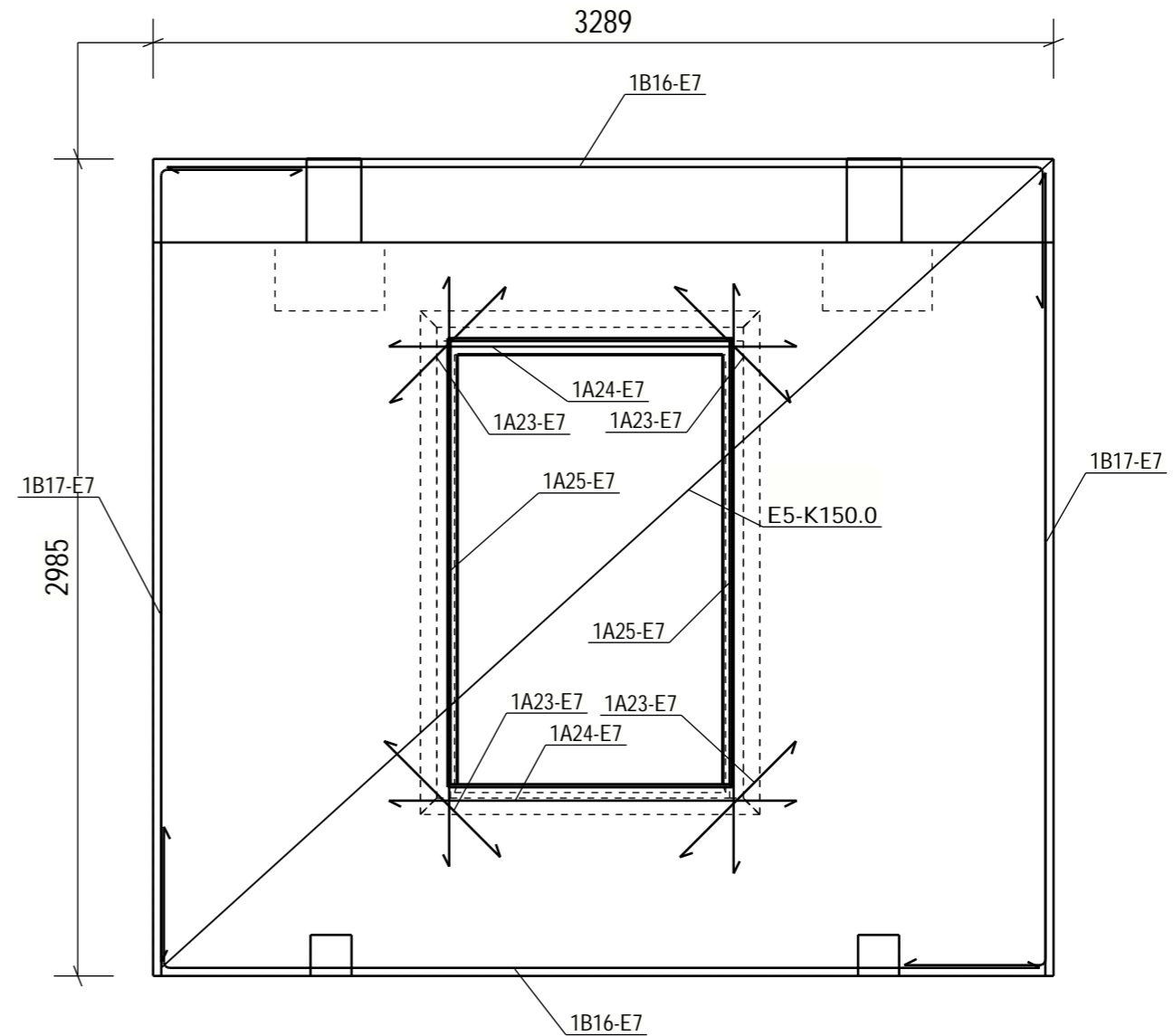
REINFORCING BAR TOTAL WEIGHT [kg]: 43.2

REINFORCEMENT MESH LIST

POS	PCS	GRADE	SIZE	NAME	kg/MESH	kg/SUM
S-18	1	B600KX	3239 x 2935	#5-150	16.0	16.0

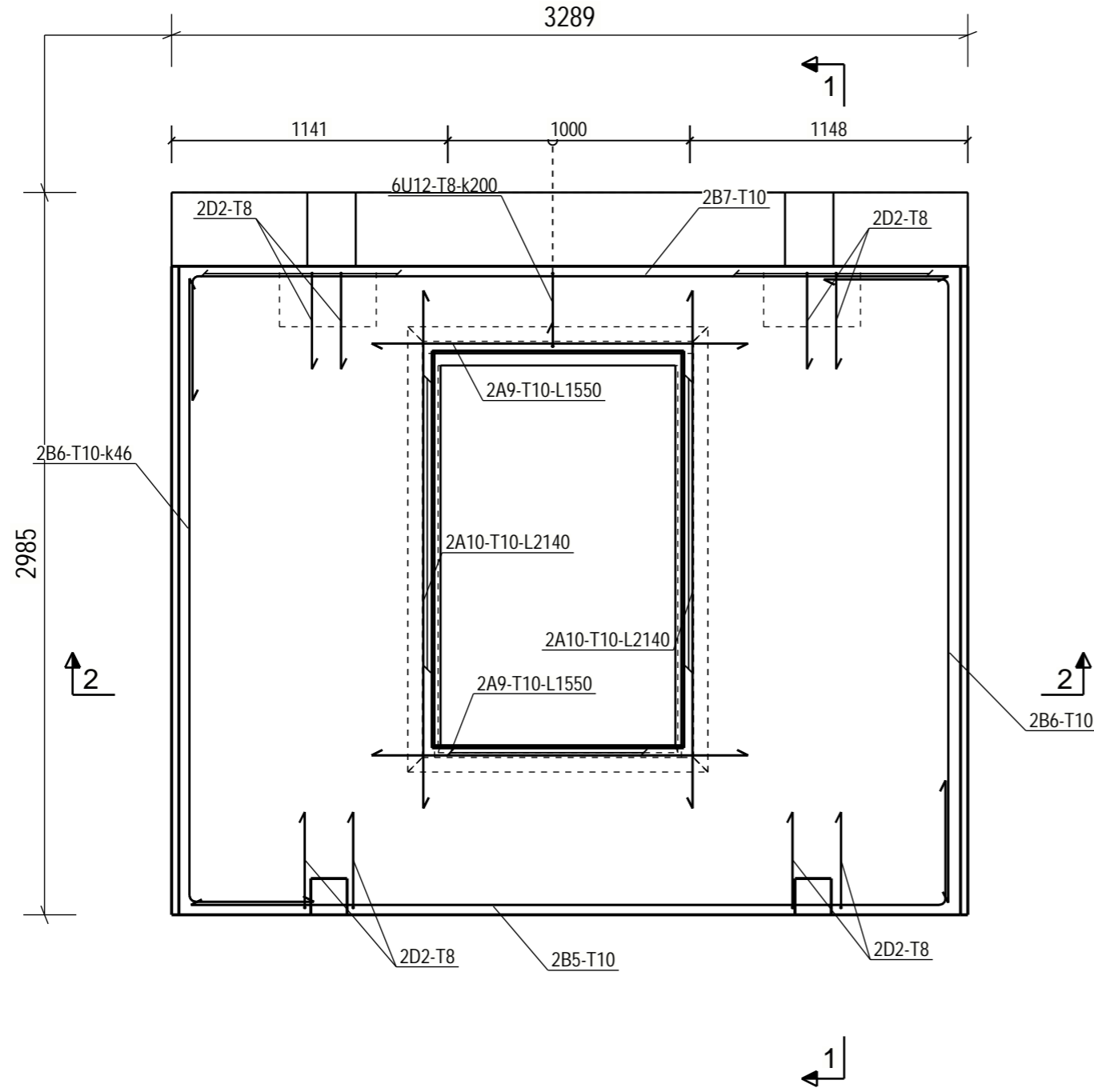
REINFORCEMENT MESH TOTAL WEIGHT [kg]: 16.0

REINFORCEMENT EXAMPLE OUTER PANEL REINFORCEMENT

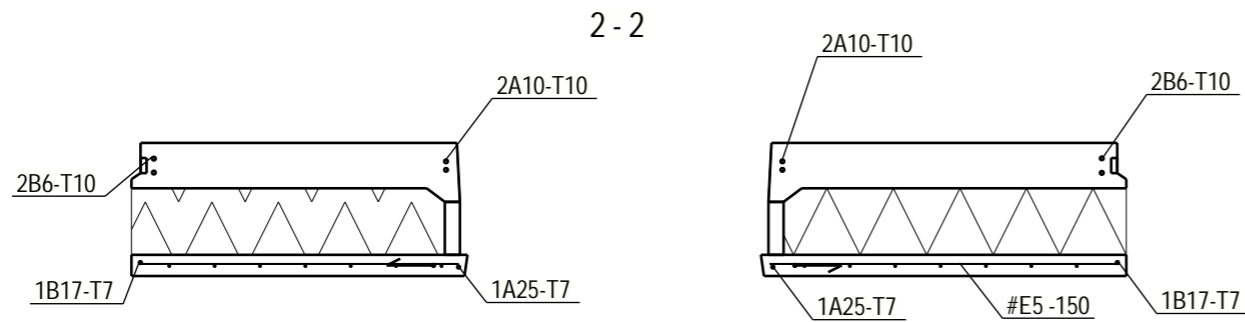
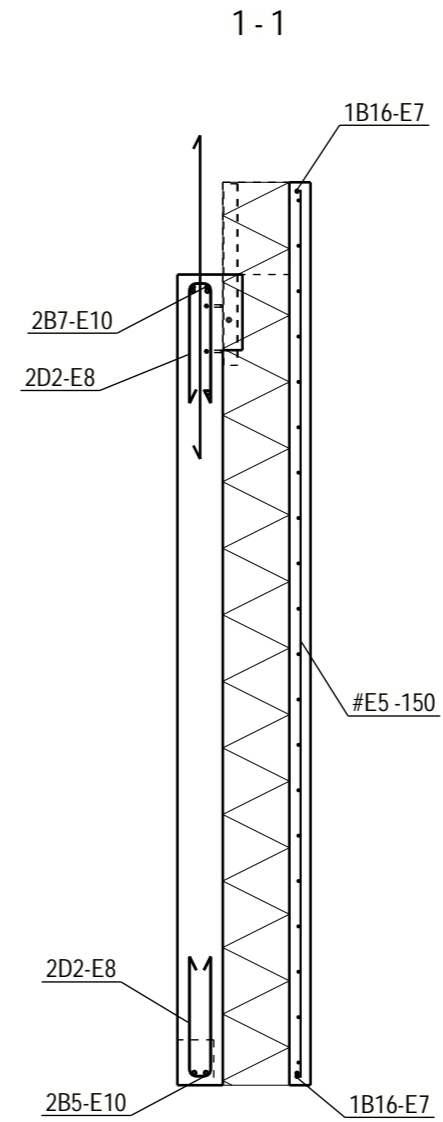


PROJECT NAME	PROJECT NUMBER	SUB NUMBER	DWG. NO.
S-1	RAK	3 / 5	S-1
	DESIGN GROUP	DATE	REVISI
	RAK	20.03.2020	

INNER PANEL REINFORCEMENT



REINFORCEMENT EXAMPLE



PROJECT NAME S-1	PROJECT NUMBER	SUB NUMBER	DWG. NO. S-1	
	DESIGN GROUP RAK	PAGE 4 / 5	DATE 20.03.2020	REVISI

FOR THE MARKING OF ELECTRICAL ACCESSORIES
1:20

280

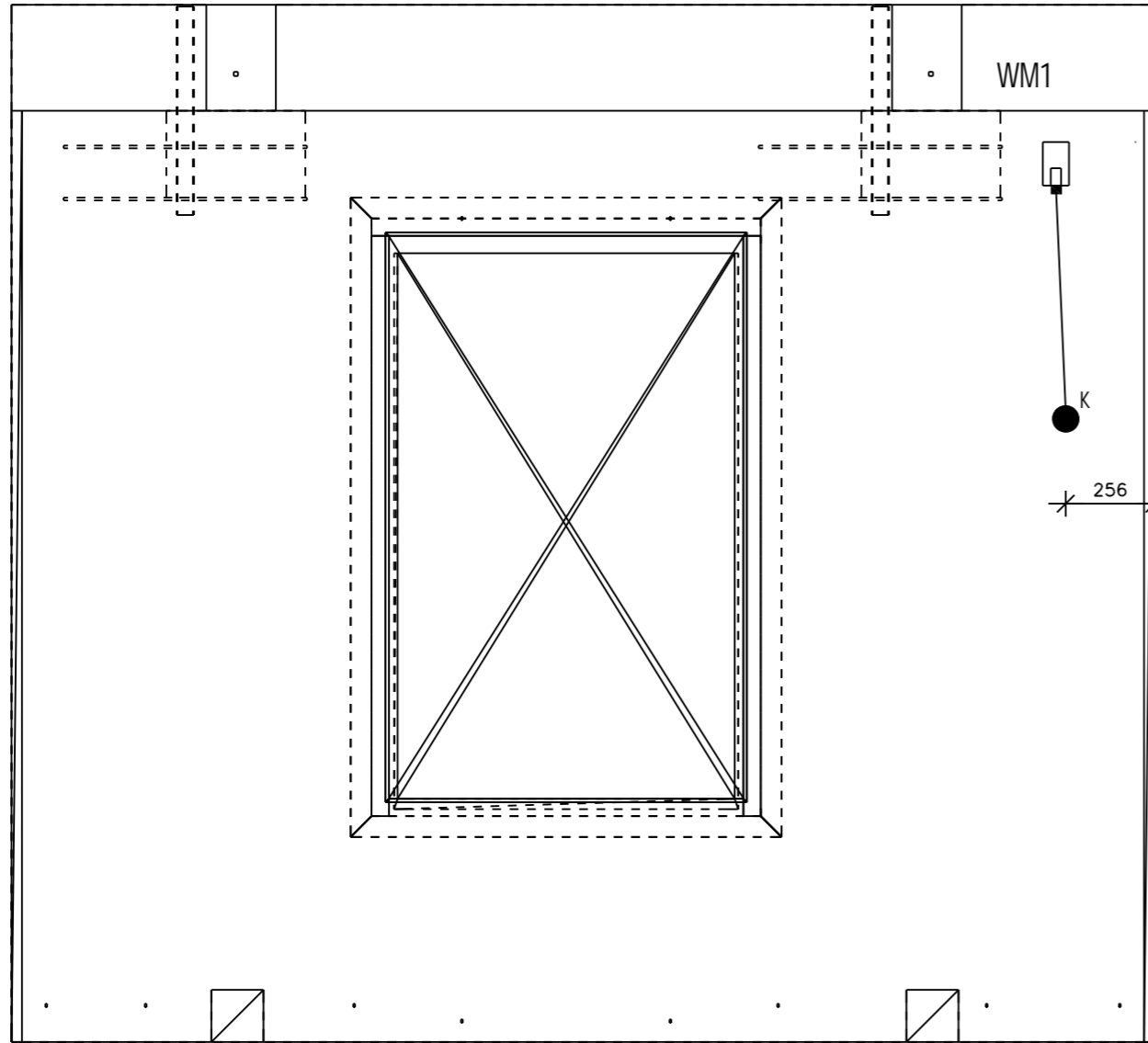
90

256

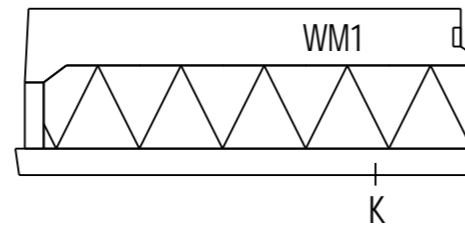
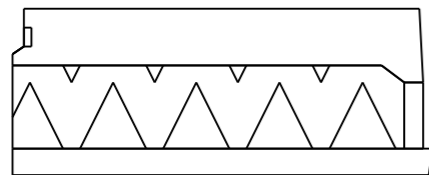
1795

E

E



E - E
1:20



- K AU5.2 FIXING BOX
- J AU8 JUNCTION BOX SKREWS HORIZONTALLY
- AJ AJ5.20 TERMINAL BUSH + PROTECTIVE PLUG PMR38 OR BENDING CONTINUATION MODEL "EVA"
- V PMR490 MEDIATION C/C 85mm
BOXES WILL BE JOINED WITH MEDIATION PMR474
- W1 RESERVATION 200*200*100
- W2 RESERVATION 250*200*100
- W3 RESERVATION 320*200*100
- W4 RECESS LIST
- TJ BENDING CONTINUATION + PROTECTIVE PLUG
- PIPE JM20 WITH SIZE MARKED.
THE PIPE IS ALWAYS TERMINATED IN THE TERMINAL SLEEVE.
MAXIMUM BENDING RADIUS OF PIPES 45 DEGREES.
- ON THE BACK SURFACE
- ON THE FRONT SURFACE

ELECTRICITY DESIGN
ADDRESS
PHONE
firstname.lastname@office.com

PROJECT NAME S-1	PROJECT NUMBER	SUB NUMBER	DWG. NO. S-1	
	DESIGN GROUP RAK	PAGE 5 / 5	DATE 20.03.2020	REVISI