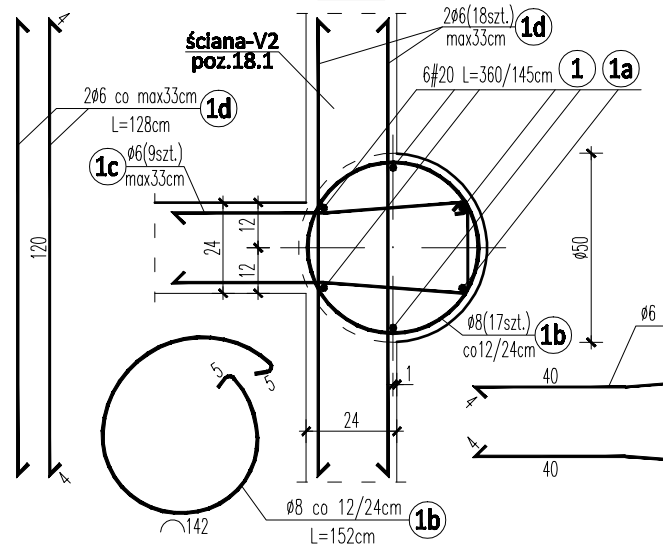
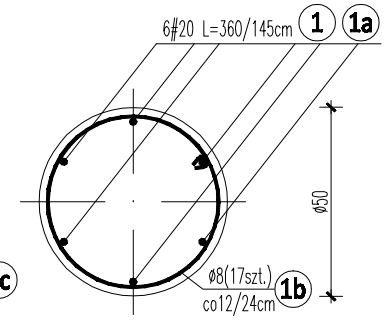
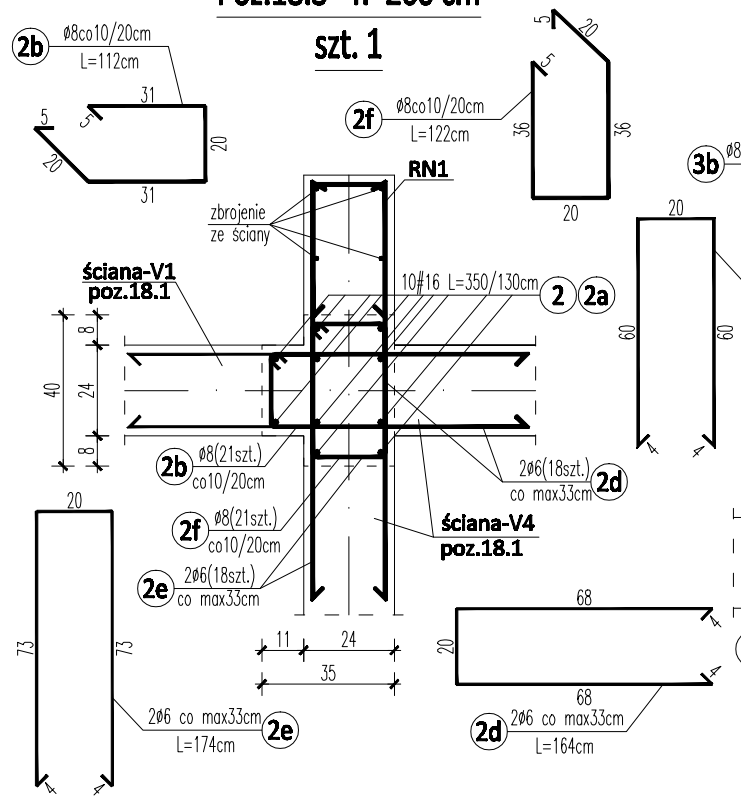
Poz.18.2 - h=254 cm
szt. 2



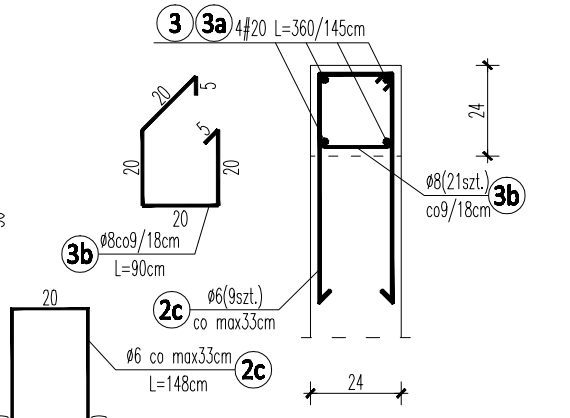
Poz.18.2a - h=254 cm
szt. 2



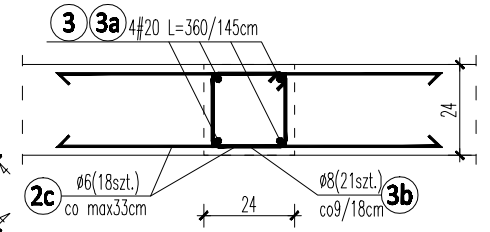
Poz.18.3 - h=260 cm
szt. 1



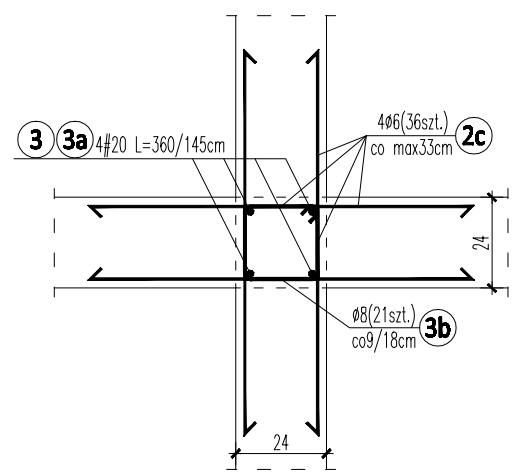
Poz.18.4 - h= 260cm
szt. 1



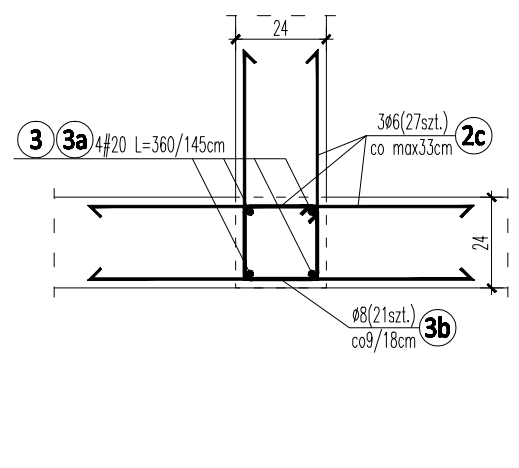
Poz.18.4.1a - h= 254/260cm
szt. 2



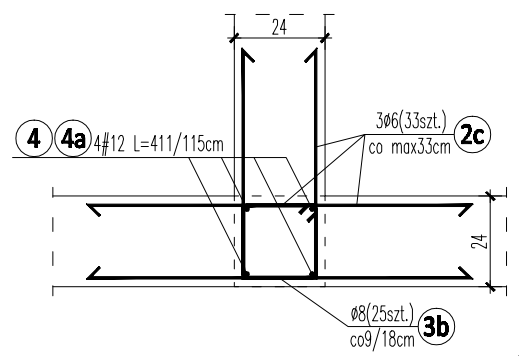
Poz.18.4.1 - h= 254cm
szt. 1



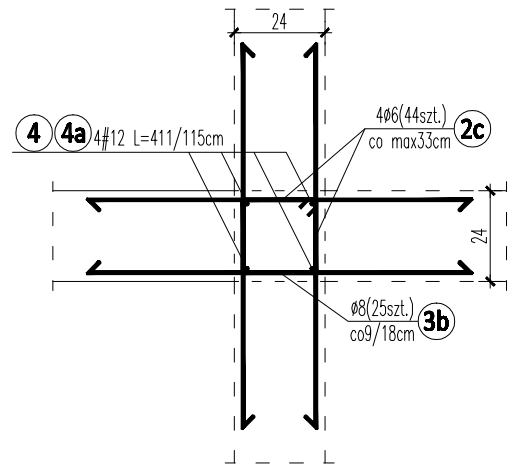
Poz.18.4.1b - h= 254/260cm
szt. 3



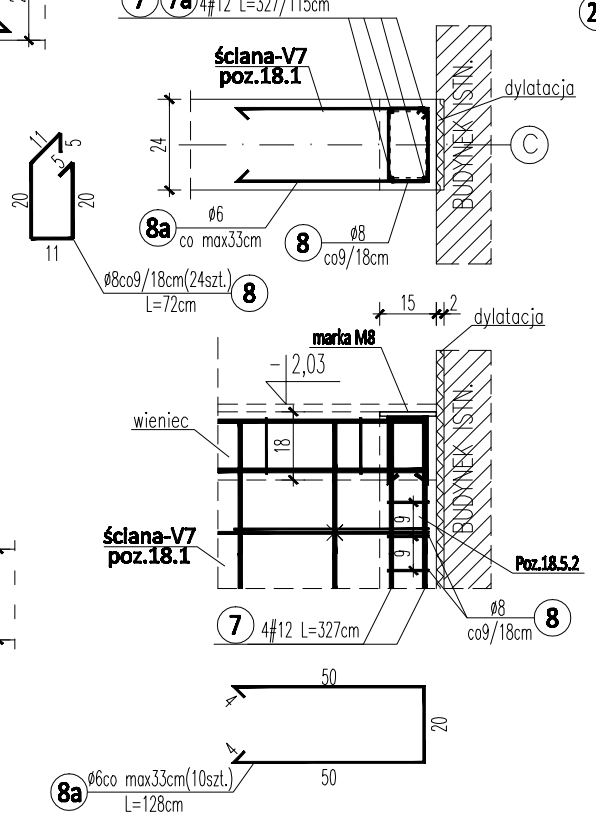
Poz.18.5.1 - h=336 cm
szt. 1



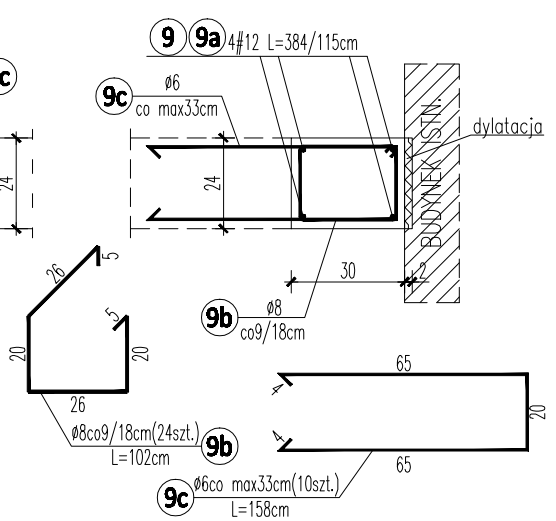
Poz.18.5.1a - h=336 cm
szt. 3



Poz.18.5.2 - h=309cm
szt. 1

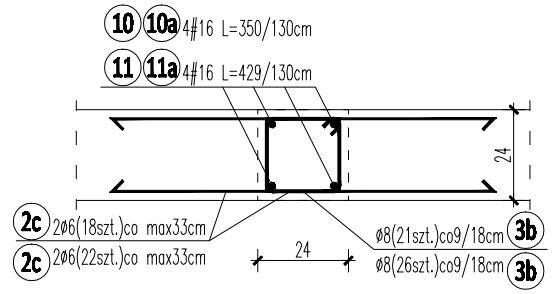


Poz.18.5.3 - h=309cm
szt. 3



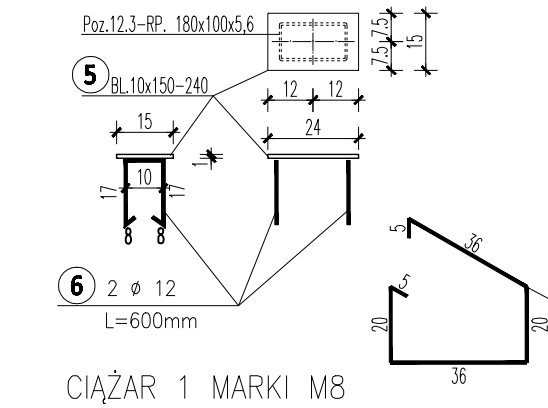
Poz.18.5.4a - h=260cm
szt. 1

Poz.18.5.4b - h=336cm
szt. 1



M8 - MARKA SZT.1

PRZYSPAWAĆ NA DOLE SŁUPA STALOWEGO –POZ.12.3
KOTWY ZABETONOWAĆ W RDZENIU

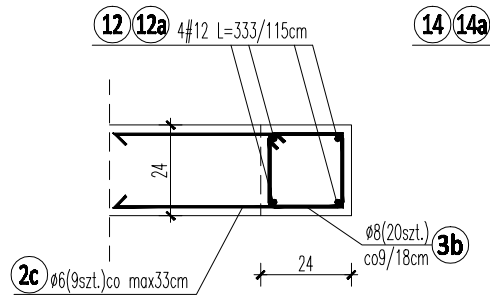


CIĘŻAR 1 MARKI M8

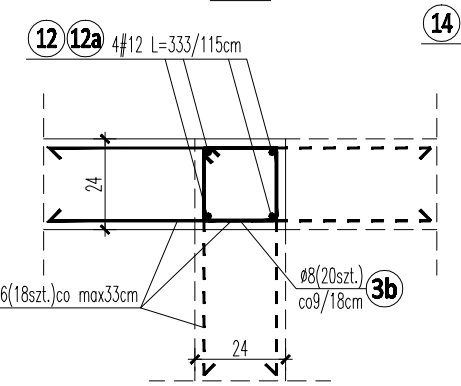
6 ø 12 L=600mm SZT.2 Cj=0,888kG/m C=1,07kG

RAZEM Ccałk.=3,90kG

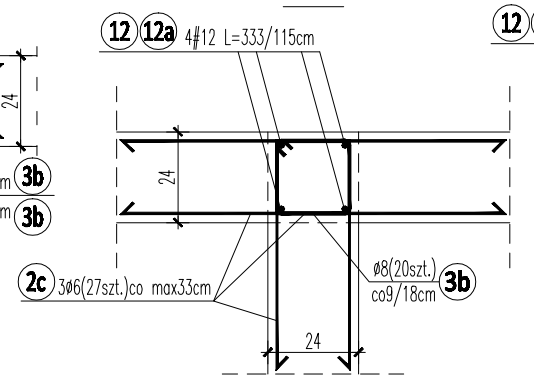
Poz.18.5.5a - h=260cm
szt. 3



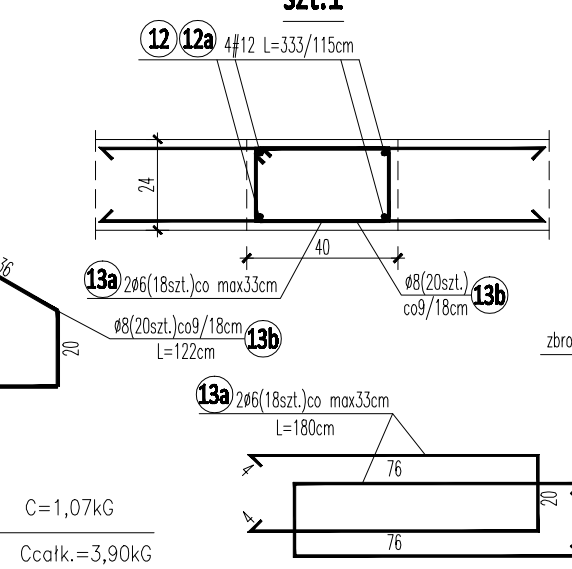
Poz.18.5.5b - h=260cm
szt.4



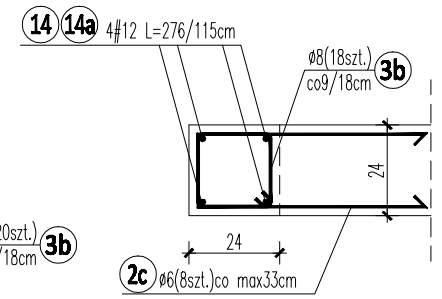
Poz.18.5.5c - h=260cm
szt.4



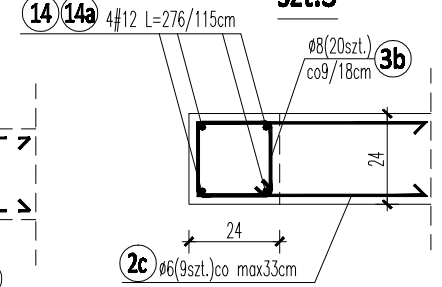
Poz.18.5.6 - h=260cm
szt.1



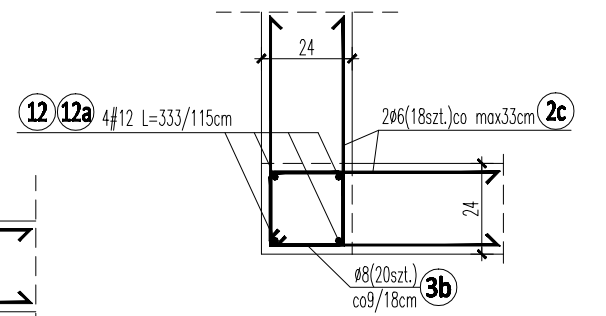
Poz.18.5.7 - h=224cm
szt.5



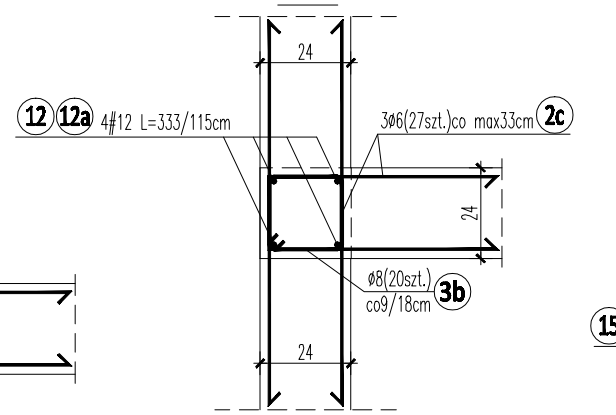
Poz.18.5.8 - h=254cm
szt.3



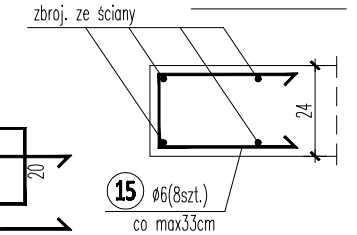
Poz.18.5.9a - h=260cm
szt.2



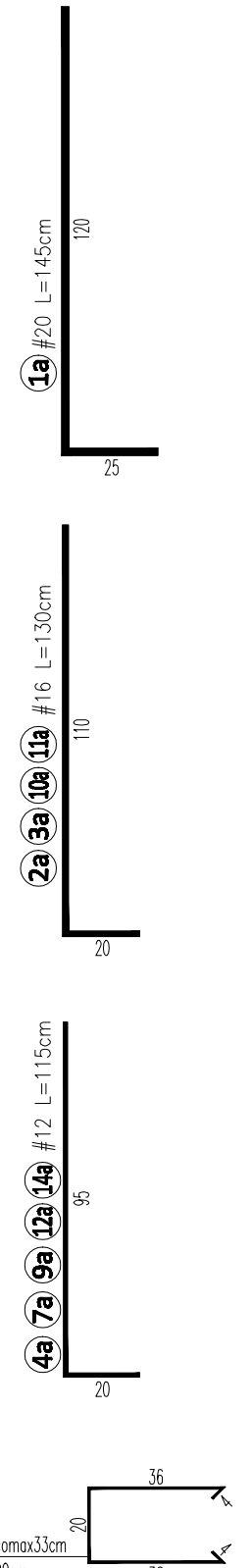
Poz.18.5.9b - h=260cm
szt.2



RN1 - szt.16



KOTWY WYPUSZCZANE Z FUNDAMENTÓW



ZESTAWIENIE STALI ZBROJENIOWEJ

Poz.	szt.	Ø	Stal [A-0 / A-III]	Dł. [m]	Ilość w elem.	Ilość elem.	Ilość razem	Długość łączna [m] A-0 ø 6	A-0 ø 8	A-0 ø 12	A-III ø 16	A-III ø 20
18.2	2	1	20	3,60	6	2	12					43,20
		1a	20	1,45	6	2	12					17,40
		1b	8	1,52	17	2	34			51,68		
		1c	6	1,88	9	2	18	33,84				
		1d	6	1,28	18	2	36	46,08				
18.2a	2	1	20	3,60	6	2	12					43,20
		1a	20	1,45	6	2	12					17,40
		1b	8	1,52	17	2	34			51,68		
18.3	1	2	16	3,50	10	1	10				35,00	
		2a	16	1,30	10	1	10				13,00	
		2b	8	1,12	21	1	21			23,52		
		2f	8	1,22	21	1	21			25,62		
		2d	6	1,64	18	1	18	29,52				
		2e	6	1,74	18	1	18	31,32				
18.4	1	3	20	3,60	4	1	4					14,40
		3a	20	1,45	4	1	4					5,80
		3b	8	0,90	21	1	21			18,90		
		2c	6	1,48	9	1	9	13,32				
18.4.1	1	3	20	3,60	4	1	4					14,40
		3a	20	1,45	4	1	4					5,80
		3b	8	0,90	21	1	21			18,90		
		2c	6	1,48	36	1	36	53,28				
18.4.1a	2	3	20	3,60	4	2	8					28,80
		3a	20	1,45	4	2	8					11,60
		3b	8	0,90	21	2	42			37,80		
		2c	6	1,48	18	2	36	53,28				
18.4.1b	3	3	20	3,60	4	3	12					43,20
		3a	20	1,45	4	3	12					17,40
		3b	8	0,90	21	3	63			56,70		
		2c	6	1,48	27	3	81	119,88				
18.5.1	1	4	12	4,11	4	1	4				16,44	
		4a	12	1,15	4	1	4				4,60	
		3b	8	0,90	25	1	25			22,50		
		2c	6	1,48	33	1	33	48,84				
18.5.1a	2	4	12	4,11	4	2	8				49,32	
		4a	12	1,15	4	2	12				13,80	
		3b	8	0,90	25	3	75			67,50		
		2c	6	1,48	44	3	132	195,36				
18.5.2	1	7	12	3,27	4	1	4				13,08	
		7a	12	1,15	4	1	4				4,60	
		8	8	0,72	24	1	24			17,28		
		8a	6	1,28	10	1	10	12,80				
18.5.3	3	9	12	3,84	4	3	12				46,08	
		9a	12	1,15	4	3	12				13,80	
		9b	8	1,02	24	3	72			73,44		
		9c	6	1,58	10	3	30	47,40				
18.5.4a	1	10	16	3,50	4	1	4				14,00	
		10a	16	1,30	4	1	4				5,20	
		3b	8	0,90	21	1	21			18,90		
		2c	6	1,48	18	1	18	26,64				
18.5.4b	1	11	16	4,29	4	1	4				17,16	
		11a	16	1,30	4	1	4				5,20	
		3b	8	0,90	26	1	26			23,40		
		2c	6	1,48	22	1	22	32,56				
18.5.5a	3	12	12	3,33	4	3	12				39,96	
		12a	12	1,15	4	3	12				13,80	
		3b	8	0,90	20	3	60			54,00		
		2c	6	1,48	9	3	27	39,96				
18.5.5b	4	12	12	3,33	4	4	16				53,28	
		12a	12	1,15	4	4	16				18,40	
		3b	8	0,90	20	4	80			72,00		
		2c	6	1,48	18	4	72	106,56				
18.5.5c	4	12	12	3,33	4	4	16				53,28	
		12a	12	1,15	4	4	16				18,40	
		3b	8	0,90	20	4	80			72,00		
		2c	6	1,48	27	4	108	159,84				
18.5.6	1	12	12	3,33	4	1	4				13,32	
		12a	12	1,15	4	1	4				4,60	
		13a	6	1,80	18	1	18	32,40				
		13b	8	1,22	20	1	20			24,40		
18.5.7	5	14	12	2,76	4	5	20				55,20	
		14a	12	1,15	4	5	20				23,00	
		3b	8	0,90	18	5	90			81,00		
		2c	6	1,48	8	5	40	59,20				
18.5.8	3	14	12	2,76	4	3	12				33,12	
		14a	12	1,15	4	3	12				13,80	
		3b	8	0,90	20	3	60			54,00		
		2c	6	1,48	9	3	27	39,96				
18.5.8a	2	12	12	3,33	4	2	8				26,64	
		12a	12	1,15	4	2	8				9,20	
		3b	8	0,90	20	2	40			36,00		
		2c	6	1,48	18	2	36	53,28				
18.5.8b	2	12	12	3,33	4	2	8				26,64	
		12a	12	1,15	4	2	8				9,20	
		3b	8	0,90	20	2	40			36,00		
		2c	6	1,48	27	2	54	79,92				
RN1	16	15	6	1,00	8	16	128	128,00				
Długość wg średnic [m]								1443,24	937,22	573,56	89,56	262,60
Masa 1 m pręta [kg/m]								0,222	0,395	0,888	1,578	2,466
Masa łączna wg średnic [kg]								320,33	369,81	509,21	141,36	647,61
Masa łączna wg gatunku stali [kg]								690,14			1298,18	
Ogółem [kg]										1988,33		

BETON C20/25 (B 25)
z dodatkiem środka
uszczelniającego (np. HYDROBET)
STAL A-III /34GS/
STAL A-0 /St0S-b/

PRACOWNIA PROJEKTOWA " AKON " 10-672 OLSZTYN UL. ELBLĄSKA 125		BRANŻA:	KONSTR.
		SKALA:	1:20
OBIEKT:	ROZBUDOWA WBP w OLSZTYNIE	DATA:	11.2010
ADRES:	ul. 1 Maja 5; 10–117 Olsztyn	NR RYS.:	K - 38
TEMAT:	RDZENIE I SŁUPY PIWNIC –2		PROJEKT WYKONAWCZY
PROJEKTANT:	mgr inż. Anna Ceynowa		Upr.:277/86/OL
SPRAWDZAJĄCY:	mgr inż. Bogdan Jasko		Upr.:178/87/OL
OPRACOWAŁ:	mgr inż. Marek Gutowski		Upr.: