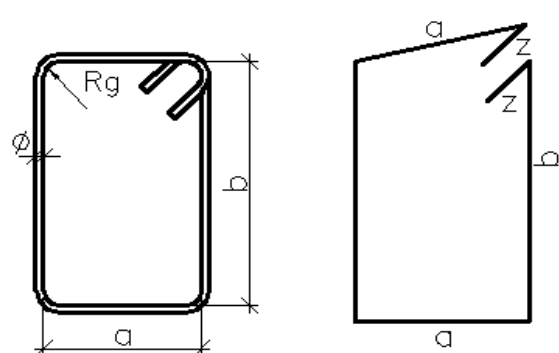


Zestawienie stali zbrojeniowej

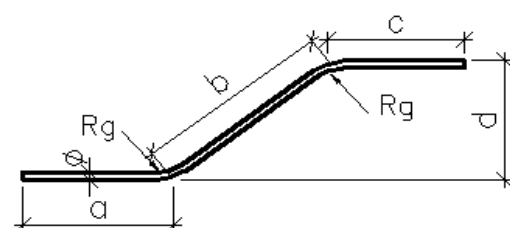
Nazwa obiektu:	AGH S1
Nazwa rysunku:	Deskowanie i zbrojenie elementów oddylatowanych
Nr rysunku:	PW_K_44
Stal gładka:	St0S
Stal żebrowana:	B500SP



Minimalne średnice wewnętrzne zagięć

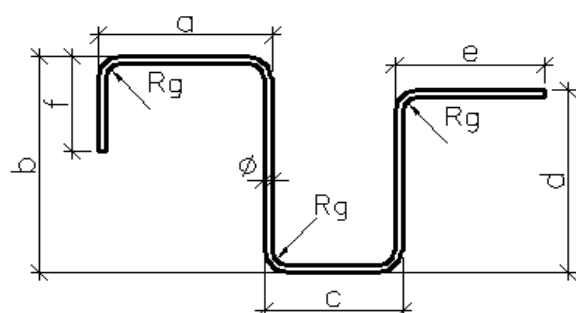
$$R_g = 4 \times \phi \text{ dla } \phi < 20$$

$$7 \times \phi \text{ dla } \phi > 20$$



Minimalne średnice wewnętrzne zagięć

$$R_g = 10 \times \phi$$



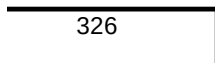
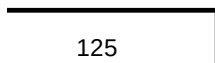
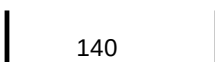
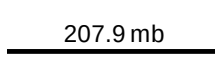
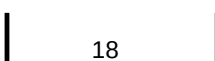
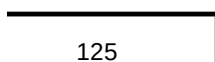
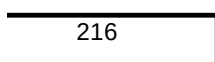
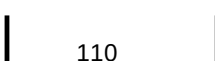
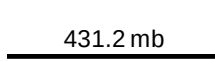
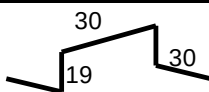
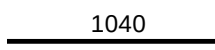
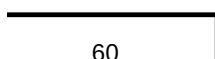
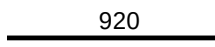
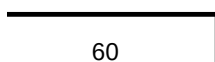
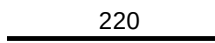
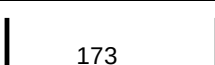
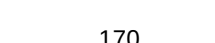
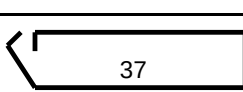
Minimalne średnice wewnętrzne zagięć

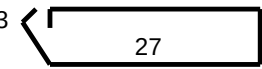
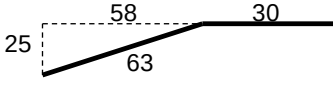
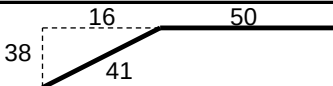
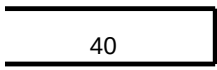
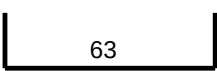
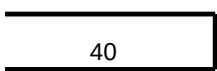
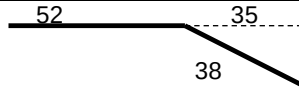
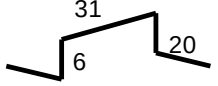
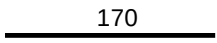
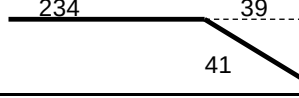
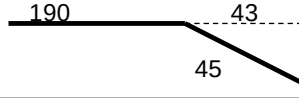
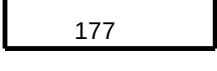
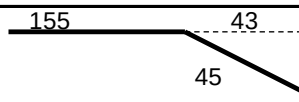
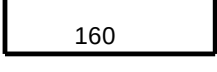
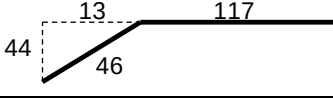
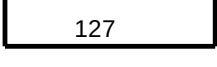
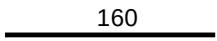
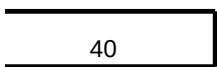
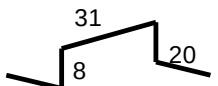
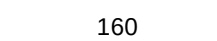
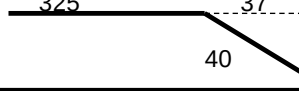
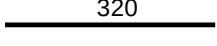
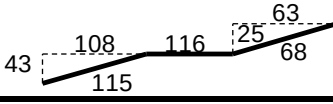
$$R_g = 4 \times \phi \text{ dla } \phi < 20$$

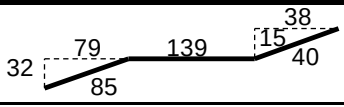
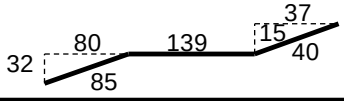
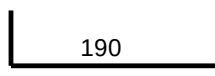
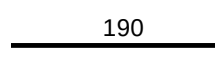
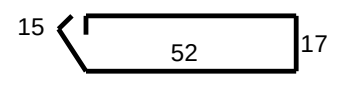
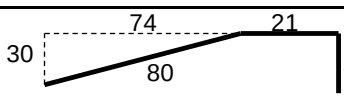
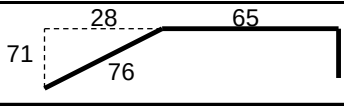
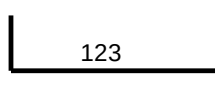
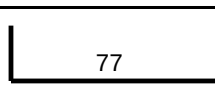
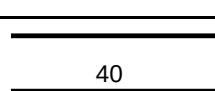
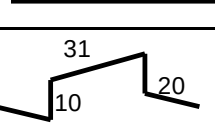
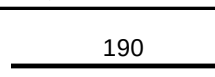
$$7 \times \phi \text{ dla } \phi > 20$$

Uwaga!

W przypadku, gdy nie podano długości odgięć, a kąt gięcia jest różny od 90°, należy przyjąć, że wynosi on 45°.

Obiekt: AGH S1									 GSBK BIURO KONSTRUKCYJNE	
Treść rys.: Deskowanie i zbrojenie elementów oddylatowanych										
13.09.2022		SPECYFIKACJA DO RYSUNKU NR:			PW_K_44				1 / 3	
ELEMENT	POZYCJA	SZKIC PRĘTA [cm]	F	F	Długość [cm]	Ilość "n" [szt.]		"n x l" [m]	Ciężar [kg]	Ciężar całk. [kg]
			St0S	B500SP	l	na 1 el.	na S el.	L	wg F	S
1	2	3	4	5	6	7	8	9	10	11
Szczegół "MO1"	4		-	12	341.0	-	142	484.2	429.9	S= 956.3
	7		-	12	265.0	-	71	188.2	167.0	
	13		-	12	180.0	-	142	255.6	226.9	
	39		-	10	207.9 mb	-	-	207.9	128.2	
	50		4.5	-	36.0	-	95	34.2	4.3	
Szczegół "MO2"	7		-	12	265.0	-	188	498.2	442.3	S= 1986.5
	10		-	12	231.0	-	376	868.6	771.1	
	18		-	12	150.0	-	376	564.0	500.7	
	39		-	10	431.2 mb	-	-	431.2	265.9	
	50		4.5	-	36.0	-	144	51.8	6.5	
Zbrojenie dodatkowe	33		-	10	128.0	-	60	76.8	47.4	S= 47.4
Zbrojenie muru oporowego MO1	1		-	12	1040.0	-	34	353.6	313.9	S= 355.3
	19		-	12	137.0	-	34	46.6	41.4	
Zbrojenie muru oporowego MO2	2		-	12	920.0	-	66	607.2	539.1	S= 619.4
	19		-	12	137.0	-	66	90.4	80.3	
Zbrojenie schodów S-01	23		-	10	220.0	-	13	28.6	17.6	S= 47.5
	24		-	10	211.0	-	8	16.9	10.4	
	29		-	10	170.0	-	8	13.6	8.4	
	32		-	10	138.0	-	13	17.9	11.1	
PW_K_44_specyfikacja									GSBK BIURO KONSTRUKCYJNE © 2022	

Obiekt: AGH S1									GSBK BIURO KONSTRUKCYJNE		
Treść rys.: Deskowanie i zbrojenie elementów oddylatowanych											
13.09.2022		SPECYFIKACJA DO RYSUNKU NR:		PW_K_44					2 / 3		
ELEMENT	POZYCJA	SZKIC PRĘTA [cm]	F	F	Długość [cm]	Ilość "n" [szt.]		"n x l" [m]	Ciężar [kg]	Ciężar całk. [kg]	
			St0S	B500SP	l	na 1 el.	na S el.	L	wg F	S	
1	2	3	4	5	6	7	8	9	10	11	
Zbrojenie schodów S-01	34		-	10	128.0	-	13	16.6	10.3	60.1 S=	
	35		-	10	117.0	-	13	15.2	9.4		
	36		-	10	110.0	-	13	14.3	8.8		
	37		-	10	107.0	-	4	4.3	2.6		
	38		-	10	101.0	-	13	13.1	8.1		
	40		-	10	97.0	-	2	1.9	1.2		
	43		-	10	90.0	-	13	11.7	7.2		
	46		-	10	83.0	-	6	5.0	3.1		
	48		-	8	170.0	-	14	23.8	9.4		
Zbrojenie schodów S-02	21		-	10	275.0	-	12	33.0	20.3	222.1 S=	
	22		-	10	235.0	-	12	28.2	17.4		
	25		-	10	211.0	-	24	50.6	31.2		
	26		-	10	200.0	-	12	24.0	14.8		
	27		-	10	198.0	-	38	75.2	46.4		
	28		-	10	180.0	-	12	21.6	13.3		
	30		-	10	161.0	-	12	19.3	11.9		
	31		-	10	160.0	-	26	41.6	25.6		
	44		-	10	90.0	-	50	45.0	27.7		
	45		-	10	87.0	-	6	5.2	3.2		
	49		-	8	160.0	-	16	25.6	10.1		
Zbrojenie schodów S-03	3		-	12	365.0	-	14	51.1	45.4	122.4 S=	
	5		-	12	320.0	-	14	44.8	39.8		
	6		-	12	300.0	-	14	42.0	37.3		
PW_K_44_specyfikacja											GSBK BIURO KONSTRUKCYJNE © 2022

Obiekt: AGH S1									 GSBK BIURO KONSTRUKCYJNE	
Treść rys.: Deskowanie i zbrojenie elementów oddylatowanych										
13.09.2022		SPECYFIKACJA DO RYSUNKU NR:			PW_K_44				3 / 3	
ELEMENT	POZYCJA	SZKIC PRĘTA [cm]	F	F	Długość [cm]	Ilość "n" [szt.]		"n x l" [m]	Ciężar [kg]	Ciężar całk. [kg]
			St0S	B500SP		na 1 el.	na S el.		wg F	S
1	2	3	4	5	6	7	8	9	10	11
Zbrojenie schodów S-03	8		-	12	265.0	-	14	37.1	32.9	313.4 S=
	9		-	12	265.0	-	14	37.1	32.9	
	11		-	12	228.0	-	28	63.8	56.7	
	12		-	12	190.0	-	18	34.2	30.4	
	14		-	12	173.0	-	14	24.2	21.5	
	15		-	12	160.0	-	14	22.4	19.9	
	16		-	12	158.0	-	14	22.1	19.6	
	17		-	12	157.0	-	28	44.0	39.0	
	20		-	12	111.0	-	14	15.5	13.8	
	41		-	10	93.0	-	18	16.7	10.3	
	42		-	10	91.0	-	6	5.5	3.4	
	47		-	8	190.0	-	44	83.6	33.0	