

ZESTAWIENIE STALI ZBROJENIOWEJ

Sygnatura projektu: **COS GIŻYCKO**

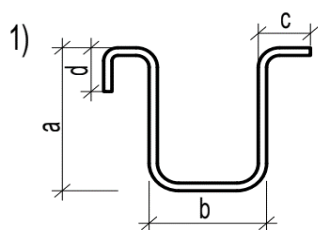
Tytuł rysunku: **Zbrojenie elementów żelbetowych - budynek higieniczno-sanitarny**

Numer rysunku: **PW-K-6001**

Typ stali: **B500SP**

ZASADY INTERPRETACJI DŁUGOŚCI POSZCZEGÓLNYCH SEGMENTÓW PRĘTÓW ZBROJENIOWYCH

RULES OF INTERPRETATION LENGTH OF REBAR BENDING DIMENSIONS



Minimalne średnice wewnętrzne zagięcia:
 $R_g = 4 \times \varnothing$ dla $\varnothing < 20$
 $7 \times \varnothing$ dla $\varnothing > 20$


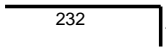
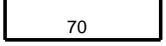
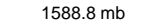
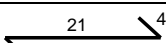
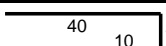
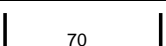
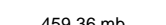
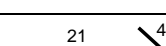
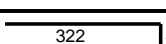
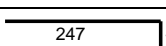

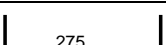
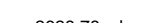
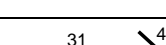
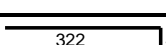
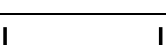

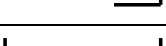

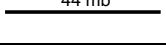




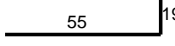
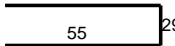
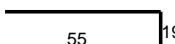
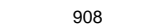
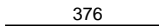
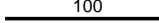
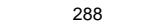
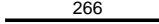
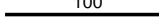
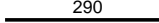
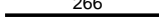
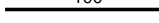
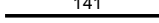
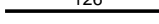
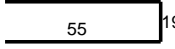

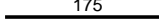
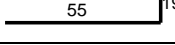
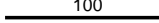

Minimalne średnice wewnętrzne zagięcia:
 dotyczy słupów - prętów głównych odginanych
 do płyty
 $R_g = 4 \times \varnothing$ dla $\varnothing < 20$
 $7 \times \varnothing$ dla $\varnothing > 20$


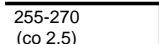
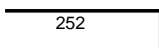
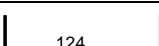
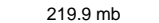
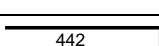

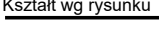

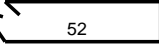


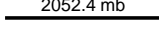
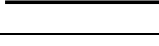

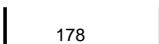
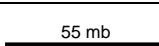
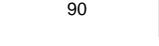
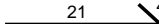
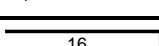
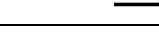


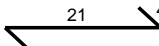




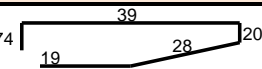
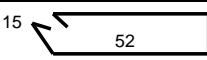
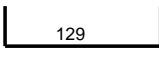
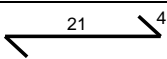
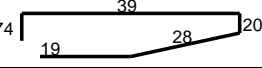
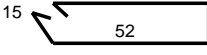
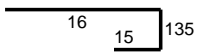
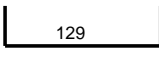
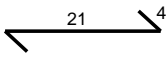
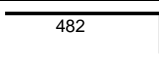
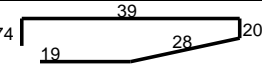
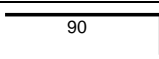
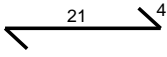

Minimalne średnice wewnętrzne zagięcia:
 $R_g = 4 \times \varnothing$ dla $\varnothing < 20$
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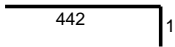
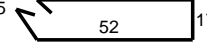
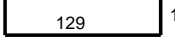
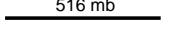
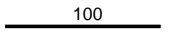
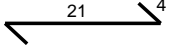
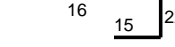
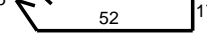
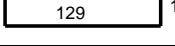
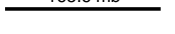
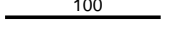
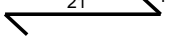
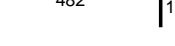
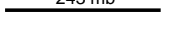
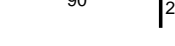





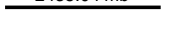
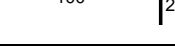


STOSOWAĆ NORMOWE PROMIENIE GIĘCIA PRĘTÓW / USE NORMAL BENDING REBARS RADIUS


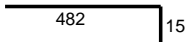
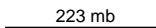
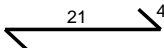
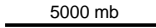

Sygnatura projektu COS GIŻYCKO										
Tytuł rysunku: Zbrojenie elementów żelbetowych - budynek higieniczno-sanitarny										
1.11.2024		SPECYFIKACJA DO RYSUNKU NR:			PW-K-6001				1 / 6	
Nazwa elementu	nr pręta "i"	kształt pręta [cm]	średnica pręta [mm]	średnica pręta [mm]	długość pręta [cm]	Ilość "n _i " [szt.]		"n _i x l _i " [m]	Ciężar [kg]	Ciężar na element
			B500SP	B500SP	l _i	na 1 el.	na Σ el.	L	wg n _i	S
1	2	3	4	5	6	7	8	9	10	11
Ława "L-1"	18		-	12	272.0	-	832	2263.0	2009.2	4373.5 Σ=
	35		-	12	128.0	-	832	1065.0	945.5	
	37		-	12	1588.8 mb	-	-	1588.8	1410.6	
	47		-	4.5	29.0	-	230	66.7	8.3	
Ława "L-2"	27		-	12	188.0	-	248	466.2	413.9	1106.3 Σ=
	35		-	12	128.0	-	248	317.4	281.8	
	37		-	12	459.4 mb	-	-	459.4	407.8	
	47		-	4.5	29.0	-	74	21.5	2.7	
Ława "L-3"	1		-	25	392.0	-	380	1489.6	5740.0	12945.0 Σ=
	8		-	16	317.0	-	380	1204.6	1901.3	
	9		-	16	119.0	-	380	452.2	713.7	
	14		-	12	333.0	-	760	2530.8	2246.9	
	37		-	12	2628.8 mb	-	-	2628.8	2333.9	
	46		-	4.5	39.0	-	192	74.9	9.3	
Ława "L-4" szt. 7	2		-	20	392.0	17	119	466.5	1150.4	1268.5 Σ=
	38		-	10	171.0	16	112	191.5	118.1	
Ława "L-5"	13		-	12	342.0	-	16	54.7	48.6	106.3 Σ=
	35		-	12	128.0	-	16	20.5	18.2	
	37		-	12	44.0 mb	-	-	44.0	39.1	
	47		-	4.5	29.0	-	12	3.5	0.4	
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Nazwa elementu	nr pręta "i"	kształt pręta [cm]	średnica pręta [mm]	średnica pręta [mm]	długość pręta [cm]	Ilość "n _i " [szt.]		"n _i x l _i " [m]	Ciężar [kg]	Ciężar na element
			B500SP	B500SP	l _i	na 1 el.	na Σ el.	L	wg n _i	S
1	2	3	4	5	6	7	8	9	10	11
szt. 2 Szczegół "n1"	40		-	10	129.0	46	92	118.7	73.2	S= 73.2
szt. 2 Szczegół "n2"	39		-	10	139.0	23	46	63.9	39.4	S= 76.0
	40		-	10	129.0	23	46	59.3	36.6	
Szczegół "o1"	5		-	16	908.0	-	4	36.3	57.3	S= 109.7
	7		-	16	376.0	-	8	30.1	47.5	
	43		-	10	100.0	-	8	8.0	4.9	
szt. 7 Szczegół "o2"	17		-	12	288.0	8	56	161.3	143.2	S= 243.8
	22		-	12	266.0	4	28	74.5	66.1	
	43		-	10	100.0	8	56	56.0	34.5	
Szczegół "o3"	16		-	12	290.0	-	8	23.2	20.6	S= 49.4
	22		-	12	266.0	-	8	21.3	18.9	
	43		-	10	100.0	-	16	16.0	9.9	
szt. 2 Szczegół "p1"	34		-	12	141.0	4	8	11.3	10.0	S= 47.5
	36		-	12	126.0	4	8	10.1	8.9	
	40		-	10	129.0	14	28	36.1	22.3	
	44		-	8	100.0	8	16	16.0	6.3	
Szczegół "p2"	29		-	12	175.0	-	8	14.0	12.4	S= 34.7
	40		-	10	129.0	-	24	31.0	19.1	
	44		-	8	100.0	-	8	8.0	3.2	
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Nazwa elementu	nr pręta "r"	kształt pręta [cm]	średnica pręta [mm]	średnica pręta [mm]	długość pręta [cm]	Ilość "n _i " [szt.]		"n _i x l _i " [m]	Ciężar [kg]	Ciężar na element
			B500SP	B500SP	l _i	na 1 el.	na Σ el.	L	wg n _i	S
1	2	3	4	5	6	7	8	9	10	11
Słup "S1" szt. 7	3		-	20	285.5	14	98	279.8	690.0	1112.9 Σ=
	4		-	20	275.0	3	21	57.8	142.4	
	38		-	10	171.0	38	266	454.9	280.4	
Ściana "Sc-1"	10		-	16	219.9 mb	-	-	219.9	347.1	5113.3 Σ=
	12		-	12	457.0	-	228	1042.0	925.1	
	20		-	12	270.0	-	228	615.6	546.5	
	28		-	12	181.1	-	228	412.9	366.6	
	31		-	12	173.0	-	228	394.4	350.2	
	33		-	12	157.0	-	456	715.9	635.6	
	37		-	12	2052.4 mb	-	-	2052.4	1822.1	
	43		-	10	100.0	-	173	173.0	106.7	
	47		-	4.5	29.0	-	372	107.9	13.5	
Ściana "Sc-10"	24		-	12	208.0	-	8	16.6	14.8	68.1 Σ=
	37		-	12	55.0 mb	-	-	55.0	48.8	
	42		-	10	113.0	-	6	6.8	4.2	
	47		-	4.5	29.0	-	9	2.6	0.3	
Ściana "Sc-11"	15		-	12	292.0	-	5	14.6	13.0	32.6 Σ=
	37		-	12	18.8 mb	-	-	18.8	16.7	
	42		-	10	113.0	-	4	4.5	2.8	
	47		-	4.5	29.0	-	6	1.7	0.2	
Ściana "Sc-2"	10		-	16	35.4 mb	-	-	35.4	55.9	241.6 Σ=
	21		-	12	270.0	-	40	108.0	95.9	
	23		-	12	253.0	-	40	101.2	89.8	
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Nazwa elementu	nr pręta "i"	kształt pręta [cm]	średnica pręta [mm]	średnica pręta [mm]	długość pręta [cm]	Ilość "n _i " [szt.]		"n _i x l _i " [m]	Ciężar [kg]	Ciężar na element
			B500SP	B500SP	l _i	na 1 el.	na Σ el.	L	wg n _i	S
1	2	3	4	5	6	7	8	9	10	11
Ściana "Sc-2"	28		-	12	181.1	-	40	72.4	64.3	Σ= 446.4
	31		-	12	173.0	-	40	69.2	61.4	
	33		-	12	157.0	-	80	125.6	111.5	
	37	212.4 mb	-	12	212.4 mb	-	-	212.4	188.6	
	43	100	-	10	100.0	-	31	31.0	19.1	
	47		-	4.5	29.0	-	39	11.3	1.4	
Ściana "Sc-3"	10	50.7 mb	-	16	50.7 mb	-	-	50.7	80.0	Σ= 809.3
	19	Kształt wg rysunku	-	12	270.0	-	52	140.4	124.6	
	28		-	12	181.1	-	52	94.2	83.6	
	31		-	12	173.0	-	52	90.0	79.9	
	32		-	12	166.0	-	52	86.3	76.6	
	33		-	12	157.0	-	104	163.3	145.0	
	37	219.7 mb	-	12	219.7 mb	-	-	219.7	195.1	
	43	100	-	10	100.0	-	39	39.0	24.0	
	47		-	4.5	29.0	-	14	4.1	0.5	
Ściana "Sc-4"	10	69.54 mb	-	16	69.5 mb	-	-	69.5	109.8	Σ= 1157.8
	11		-	12	497.0	-	71	352.9	313.3	
	26	Kształt wg rysunku	-	12	200.0	-	71	142.0	126.1	
	28		-	12	181.1	-	71	128.6	114.2	
	37	509.96 mb	-	12	510.0 mb	-	-	510.0	452.7	
	42		-	10	113.0	-	54	61.0	37.6	
	47		-	4.5	29.0	-	114	33.1	4.1	
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1.11.2024		SPECYFIKACJA DO RYSUNKU NR:		PW-K-6001						
Nazwa elementu	nr pręta "i"	kształt pręta [cm]	średnica pręta [mm] B500SP	średnica pręta [mm] B500SP	długość pręta [cm] <i>l_i</i>	Ilość "n _i " [szt.] <i>na 1 el.</i> <i>na Σ el.</i>		"n _i x l _i " [m] <i>L</i>	Ciężar [kg] <i>wg n_i</i>	Ciężar na element <i>S</i>
1	2	3	4	5	6	7	8	9	10	11
Ściana "Sc-5"	12		-	12	457.0	-	56	255.9	227.2	958.3 Σ=
	31		-	12	173.0	-	56	96.9	86.0	
	33		-	12	157.0	-	112	175.8	156.1	
	37		-	12	516.0 mb	-	-	516.0	458.1	
	43		-	10	100.0	-	43	43.0	26.5	
	47		-	4.5	29.0	-	119	34.5	4.3	
Ściana "Sc-6"	23		-	12	253.0	-	28	70.8	62.9	345.8 Σ=
	31		-	12	173.0	-	28	48.4	43.0	
	33		-	12	157.0	-	56	87.9	78.1	
	37		-	12	165.6 mb	-	-	165.6	147.0	
	43		-	10	100.0	-	22	22.0	13.6	
	47		-	4.5	29.0	-	36	10.4	1.3	
Ściana "Sc-7"	11		-	12	497.0	-	33	164.0	145.6	382.3 Σ=
	37		-	12	243.0 mb	-	-	243.0	215.7	
	42		-	10	113.0	-	26	29.4	18.1	
	47		-	4.5	29.0	-	77	22.3	2.8	
Ściana "Sc-8"	6		-	16	442.0	-	390	1723.8	2720.7	7025.5 Σ=
	10		-	16	384.5 mb	-	-	384.5	606.8	
	25		-	12	201.1	-	390	784.3	696.3	
	30		-	12	170.0	-	390	663.0	588.6	
	37		-	12	2435.0 mb	-	-	2435.0	2161.9	
	41		-	10	123.0	-	293	360.4	222.2	
	46		-	4.5	39.0	-	594	231.7	28.9	
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Nazwa elementu	nr pręta "I"	kształt pręta [cm]	średnica pręta [mm]	średnica pręta [mm]	długość pręta [cm]	Ilość "n _i " [szt.]		"n _i x l _i " [m]	Ciężar [kg]	Ciężar na element
			B500SP	B500SP	l _i	na 1 el.	na Σ el.	L	wg n _i	S
1	2	3	4	5	6	7	8	9	10	11
Ściana "Sc-9"	11		-	12	497.0	-	30	149.1	132.4	333.3 S=
	37		-	12	223.0 mb	-	-	223.0	198.0	
	47		-	4.5	29.0	-	80	23.2	2.9	
Zbrojenie dodatkowe	45		-	8	5000.0 mb	-	-	5000.0	1972.9	1972.9 S=
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