

ZESTAWIENIE STALI ZBROJENIOWEJ

Sygnatura projektu: **COS GIŻYCKO**

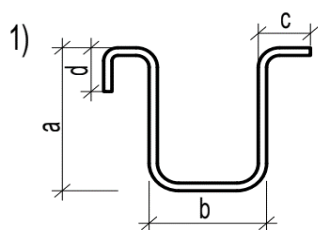
Tytuł rysunku: **Zbrojenie ścian i słupów poziom +1**

Numer rysunku: **PW-K-3003**

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 $\varnothing > 20$


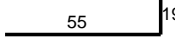
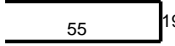
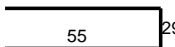
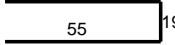
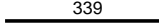
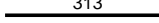
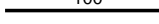
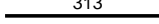
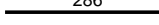

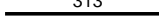




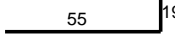





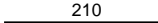
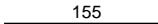
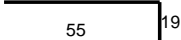
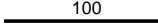

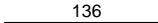
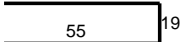

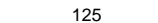
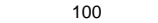

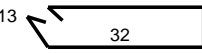
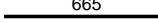
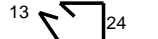
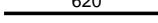
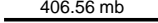
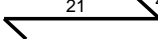
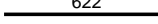
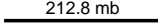
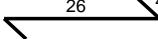

Minimalne średnice wewnętrzne zagięcia:
 dotyczy słupów - prętów głównych odginanych
 do płyty
 $R_g = 4 \times \varnothing$ dla $\varnothing < 20$
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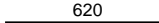
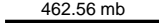
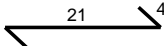
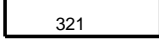
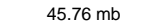
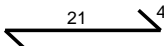
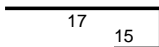
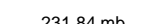
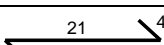
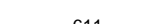
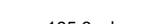
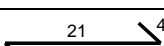
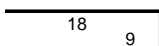
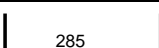
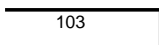
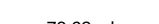
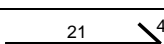



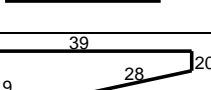
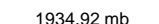
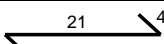




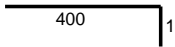
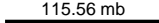
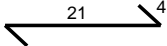
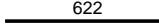
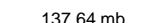
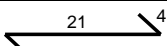

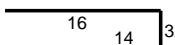
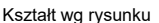
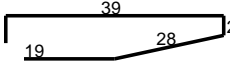
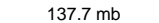
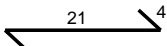
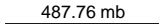
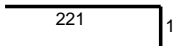
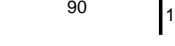
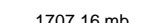
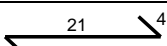
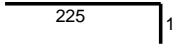
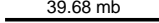
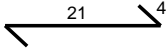
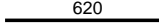
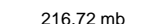
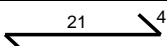

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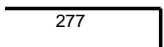
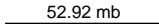
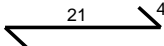
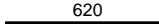
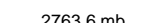
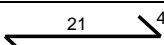
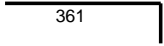
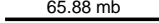
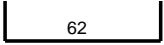
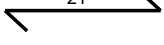
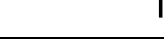

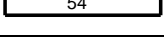
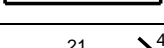
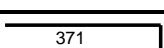
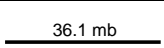
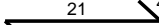
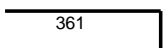
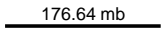

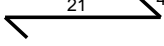


STOSOWAĆ NORMOWE PROMIENIE GIĘCIA PRĘTÓW / USE NORMAL BENDING REBARS RADIUS



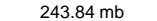
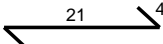

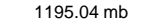
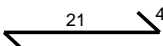
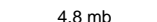

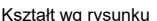
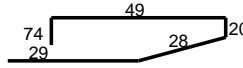
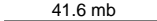
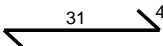


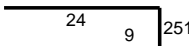
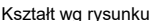
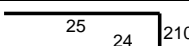
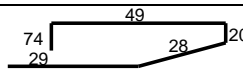
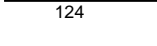
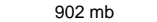
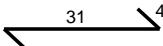

Sygnatura projektu COS GIŻYCKO										
Tytuł rysunku: Zbrojenie ścian i słupów poziom +1										
1.11.2024		SPECYFIKACJA DO RYSUNKU NR:			PW-K-3003				1 / 7	
Nazwa elementu	nr pręta "i"	kształt pręta [cm]	średnica pręta [mm]	średnica pręta [mm]	długość pręta [cm]	Ilość "n _i " [szt.]		"n _i x l _i " [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. 14 Szczegół "n1"	50		-	10	129.0	60	840	1083.6	668.1	S= 668.1
szt. 11 Szczegół "n2"	50		-	10	129.0	30	330	425.7	262.5	S= 262.5
Szczegół "n3"	48		-	10	139.0	-	30	41.7	25.7	S= 49.6
	50		-	10	129.0	-	30	38.7	23.9	
szt. 3 Szczegół "o1"	4		-	16	339.0	4	12	40.7	64.2	S= 197.6
	5		-	16	313.0	8	24	75.1	118.6	
	52		-	10	100.0	8	24	24.0	14.8	
szt. 6 Szczegół "o2"	20		-	12	313.0	8	48	150.2	133.4	S= 223.9
	22		-	12	286.0	4	24	68.6	60.9	
	52		-	10	100.0	8	48	48.0	29.6	
szt. 4 Szczegół "o3"	20		-	12	313.0	8	32	100.2	88.9	S= 141.9
	32		-	12	234.0	4	16	37.4	33.2	
	52		-	10	100.0	8	32	32.0	19.7	
szt. 6 Szczegół "p1"	38		-	12	141.0	4	24	33.8	30.0	S= 142.6
	41		-	12	126.0	4	24	30.2	26.8	
	50		-	10	129.0	14	84	108.4	66.8	
	53		-	8	100.0	8	48	48.0	18.9	
PW-K-3003_SPEC									 SYNERGIA KONSTRUKCJE BUDOWLANE	


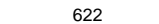
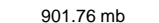
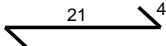
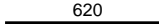

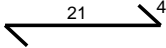

Sygnatura projektu COS GIŻYCKO										
Tytuł rysunku: Zbrojenie ścian i słupów poziom +1										
1.11.2024		SPECYFIKACJA DO RYSUNKU NR:			PW-K-3003				2 / 7	
Nazwa elementu	nr pręta "i"	kształt pręta [cm]	średnica pręta [mm]	średnica pręta [mm]	długość pręta [cm]	Ilość "n _i " [szt.]		"n _i x l _i " [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. 3 Szczegół "p2"	33		-	12	210.0	4	12	25.2	22.4	115.2 Σ=
	37		-	12	155.0	4	12	18.6	16.5	
	50		-	10	129.0	28	84	108.4	66.8	
	53		-	8	100.0	8	24	24.0	9.5	
szt. 7 Szczegół "p3"	36		-	12	161.0	4	28	45.1	40.0	196.1 Σ=
	39		-	12	136.0	4	28	38.1	33.8	
	50		-	10	129.0	18	126	162.5	100.2	
	53		-	8	100.0	8	56	56.0	22.1	
szt. 5 Szczegół "p4"	42		-	12	125.0	8	40	50.0	44.4	60.2 Σ=
	53		-	8	100.0	8	40	40.0	15.8	
szt. 5 Słup "S1"	2		-	20	665.0	16	80	532.0	1312.0	1811.0 Σ=
	49		-	10	142.0	114	570	809.4	499.0	
szt. 8 Słup "S2"	2		-	20	665.0	8	64	425.6	1049.6	1273.3 Σ=
	51		-	10	126.0	36	288	362.9	223.7	
Ściana "Sc-1.1"	9		-	12	620.0	-	92	570.4	506.4	871.6 Σ=
	45		-	12	406.6 mb	-	-	406.6	360.9	
	56		-	4.5	29.0	-	117	33.9	4.2	
Ściana "Sc-1.10"	7		-	12	622.0	-	48	298.6	265.1	456.7 Σ=
	45		-	12	212.8 mb	-	-	212.8	188.9	
	55		-	4.5	34.0	-	63	21.4	2.7	
PW-K-3003_SPEC										
										

Sygnatura projektu COS GIŻYCKO										
Tytuł rysunku: Zbrojenie ścian i słupów poziom +1										
1.11.2024		SPECYFIKACJA DO RYSUNKU NR:			PW-K-3003				3 / 7	
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-1.11"	9		-	12	620.0	-	104	644.8	572.5	988.0 Σ=
	45		-	12	462.6 mb	-	-	462.6	410.7	
	56		-	4.5	29.0	-	135	39.2	4.9	
Ściana "Sc-1.12"	16		-	12	357.0	-	20	71.4	63.4	104.5 Σ=
	45		-	12	45.8 mb	-	-	45.8	40.6	
	56		-	4.5	29.0	-	12	3.5	0.4	
Ściana "Sc-1.13"	15		-	12	358.0	-	88	315.0	279.7	488.2 Σ=
	45		-	12	231.8 mb	-	-	231.8	205.8	
	56		-	4.5	29.0	-	75	21.8	2.7	
Ściana "Sc-1.14"	11		-	12	611.0	-	48	293.3	260.4	437.3 Σ=
	45		-	12	195.6 mb	-	-	195.6	173.7	
	56		-	4.5	29.0	-	90	26.1	3.3	
Ściana "Sc-1.15"	18		-	12	334.0	-	15	50.1	44.5	168.5 Σ=
	19		-	12	321.0	-	15	48.2	42.7	
	43		-	12	112.0	-	15	16.8	14.9	
	45		-	12	73.9 mb	-	-	73.9	65.6	
	56		-	4.5	29.0	-	20	5.8	0.7	
Ściana "Sc-1.16"	6		-	16	223.3 mb	-	-	223.3	352.4	5542.7 Σ=
	8		-	12	621.0	-	460	2856.6	2536.1	
	27		-	12	270.0	-	230	621.0	551.3	
	35		-	12	181.1	-	230	416.5	369.8	
	45		-	12	1934.9 mb	-	-	1934.9	1717.8	
	56		-	4.5	29.0	-	420	121.8	15.2	
PW-K-3003_SPEC										

Sygnatura projektu COS GIŻYCKO											
Tytuł rysunku: Zbrojenie ścian i słupów poziom +1											
1.11.2024		SPECYFIKACJA DO RYSUNKU NR:			PW-K-3003				4 / 7		
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-1.17"	12		-	12	415.0	-	42	174.3	154.7	S= 258.9	
	45		-	12	115.6 mb	-	-	115.6	102.6		
	56		-	4.5	29.0	-	42	12.2	1.5		
Ściana "Sc-1.18"	7		-	12	622.0	-	34	211.5	187.8	S= 312.5	
	45		-	12	137.6 mb	-	-	137.6	122.2		
	56		-	4.5	29.0	-	70	20.3	2.5		
Ściana "Sc-1.19"	6		-	16	27.5 mb	-	-	27.5	43.5	S= 389.6	
	17		-	12	357.0	-	31	110.7	98.3		
	26		-	12	270.0	-	31	83.7	74.3		
	35		-	12	181.1	-	31	56.1	49.8		
	45		-	12	137.7 mb	-	-	137.7	122.3		
	56		-	4.5	29.0	-	40	11.6	1.4		
Ściana "Sc-1.2"	3		-	20	487.8 mb	-	-	487.8	1202.9	S= 5008.4	
	31		-	12	236.0	-	744	1755.8	1558.9		
	44		-	12	105.0	-	744	781.2	693.6		
	45		-	12	1707.2 mb	-	-	1707.2	1515.6		
	56		-	4.5	29.0	-	1034	299.9	37.4		
Ściana "Sc-1.20"	30		-	12	240.0	-	32	76.8	68.2	S= 104.0	
	45		-	12	39.7 mb	-	-	39.7	35.2		
	56		-	4.5	29.0	-	15	4.4	0.5		
Ściana "Sc-1.21"	9		-	12	620.0	-	50	310.0	275.2	S= 470.2	
	45		-	12	216.7 mb	-	-	216.7	192.4		
	56		-	4.5	29.0	-	72	20.9	2.6		
PW-K-3003_SPEC											

Sygnatura projektu COS GIŻYCKO										
Tytuł rysunku: Zbrojenie ścian i słupów poziom +1										
1.11.2024		SPECYFIKACJA DO RYSUNKU NR:			PW-K-3003				5 / 7	
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-1.22"	21		-	12	294.0	-	30	88.2	78.3	126.3 Σ=
	45		-	12	52.9 mb	-	-	52.9	47.0	
	56		-	4.5	29.0	-	28	8.1	1.0	
Ściana "Sc-1.23"	9		-	12	620.0	-	640	3968.0	3522.8	6007.7 Σ=
	45		-	12	2763.6 mb	-	-	2763.6	2453.6	
	56		-	4.5	29.0	-	864	250.6	31.3	
Ściana "Sc-1.24"	14		-	12	376.0	-	26	97.8	86.8	166.6 Σ=
	45		-	12	65.9 mb	-	-	65.9	58.5	
	47		-	12	90.0	-	26	23.4	20.8	
	56		-	4.5	29.0	-	15	4.4	0.5	
Ściana "Sc-1.25"	24		-	12	282.0	-	60	169.2	150.2	374.8 Σ=
	45		-	12	143.1 mb	-	-	143.1	127.0	
	46		-	12	92.0	-	60	55.2	49.0	
	47		-	12	90.0	-	60	54.0	47.9	
	56		-	4.5	29.0	-	16	4.6	0.6	
Ściana "Sc-1.26"	13		-	12	388.0	-	16	62.1	55.1	87.7 Σ=
	45		-	12	36.1 mb	-	-	36.1	32.1	
	56		-	4.5	29.0	-	15	4.4	0.5	
Ściana "Sc-1.3"	14		-	12	376.0	-	70	263.2	233.7	447.5 Σ=
	45		-	12	176.6 mb	-	-	176.6	156.8	
	47		-	12	90.0	-	70	63.0	55.9	
	56		-	4.5	29.0	-	30	8.7	1.1	
PW-K-3003_SPEC										

Sygnatura projektu COS GIŻYCKO										
Tytuł rysunku: Zbrojenie ścian i słupów poziom +1										
1.11.2024		SPECYFIKACJA DO RYSUNKU NR:			PW-K-3003				6 / 7	
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-1.4"	7		-	12	622.0	-	50	311.0	276.1	495.2 S=
	45		-	12	243.8 mb	-	-	243.8	216.5	
	56		-	4.5	29.0	-	72	20.9	2.6	
Ściana "Sc-1.5"	10		-	12	617.0	-	260	1604.2	1424.2	2496.0 S=
	45		-	12	1195.0 mb	-	-	1195.0	1061.0	
	56		-	4.5	29.0	-	297	86.1	10.8	
Ściana "Sc-1.6"	6		-	16	4.8 mb	-	-	4.8	7.6	152.4 S=
	7		-	12	622.0	-	14	87.1	77.3	
	25		-	12	270.0	-	7	18.9	16.8	
	34		-	12	201.1	-	7	14.1	12.5	
	45		-	12	41.6 mb	-	-	41.6	36.9	
	54		-	4.5	39.0	-	27	10.5	1.3	
Ściana "Sc-1.7"	1		-	25	164.0 mb	-	-	164.0	632.0	4363.0 S=
	6		-	16	246.0 mb	-	-	246.0	388.3	
	23		-	12	284.0	-	249	707.2	627.8	
	28		-	12	270.0	-	249	672.3	596.9	
	29		-	12	259.0	-	249	644.9	572.6	
	34		-	12	201.1	-	249	500.7	444.6	
	40		-	12	133.0	-	249	331.2	294.0	
	45		-	12	902.0 mb	-	-	902.0	800.8	
	54		-	4.5	39.0	-	126	49.1	6.1	
PW-K-3003_SPEC										

Sygnatura projektu COS GIŻYCKO										
Tytuł rysunku: Zbrojenie ścian i słupów poziom +1										
1.11.2024		SPECYFIKACJA DO RYSUNKU NR:			PW-K-3003				7 / 7	
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-1.8"	7		-	12	622.0	-	182	1132.0	1005.0	1814.4 Σ=
	45		-	12	901.8 mb	-	-	901.8	800.6	
	56		-	4.5	29.0	-	243	70.5	8.8	
Ściana "Sc-1.9"	9		-	12	620.0	-	272	1686.4	1497.2	2678.4 Σ=
	45		-	12	1315.8 mb	-	-	1315.8	1168.2	
	56		-	4.5	29.0	-	360	104.4	13.0	
PW-K-3003_SPEC										
									 SYNERGIA KONSTRUKCJE BUDOWLANE	