

TOTAL FABRICATION WEIGHT	108.41
CAYKOWITA WAGA PRODUKTU	

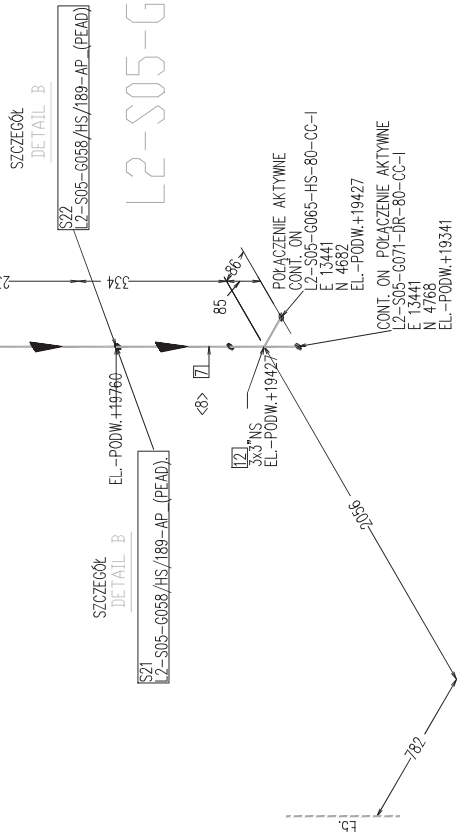
TOTAL FABRICATION WEIGHT
CALKOWITA WAGA PRODUKTU

TABLE OF CUT PIPE LENGTH				TABELA DŁUGOŚCI RUR			
L.P.	ITEM	REMARKS	OUT (mm) SIZE	L.P.	ITEM	REMARKS	OUT (mm) SIZE
n	n	UWAGI	DŁUGOŚĆ (mm)	n	n	UWAGI	DŁUGOŚĆ (mm)
(1)	369	3	FF WELD	(2)	404	3	
(3)	450	3		(4)	2447	3	
(5)	2529	3	WSPAWANY KONTAKT				

SPOOL		# POUL
NUMBER	WEIGHT (Kg)	
L2-S05-G058/HS/1	11.37	
L2-S05-G058/HS/2	96.71	

DANE PROCESU I DOKUMENTACJA										BARANIA NIENISZCZĄCE (CUD)										DANE PROCESU I DOKUMENTACJA										BARANIA NIENISZCZĄCE (CUD)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
OPER. DESIGN		OPER. CORR.		DESIGN		INSUL.		THICK.		CORR.		HARDEN.		RT		PT		PRESS.		THICK.		CORR.		HARDEN.		RT		PT		PRESS.		THICK.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
CONSTR.	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.	DESIGN	NO.</

	COMMITENTE : ZACZESKOWSKA CONTRATTO : UMOWA		COMPRESA - Job - ZAMOWIENIE N. 13E B0131		
	UTENTE - USER : THE LOCALITA' - PLANT LOCATION MASTO BYDGOSZCZ IMPIANTO - PROJECT - INSTALLAZIONE : ASTER BYDGOSZCZ (POLAND) SERVIZIO - SERVICE - USUGA : VITE		IL PROGETTISTA - Project PROJECTANT- *		
ISOMETRIC PIPING DRAWING RYSUNEK ORUROWANIA W RZUCIE IZOMETRYCZNYM LINEA - Line N. LINA L2-S05-G058-HS-80-CC-I.					DISEGNO - Dwg. RYSUNEK 13E B0131-M-323-L2 A2
Questo disegno e' circolato e corre di legge All approved All approved	Piaciula ingegner appella z obowiazajacy przepisami	SCALA - Scale SKALA	ANNOTAZ FG-2h 0231	DT-OF A 2	REV. PRZ 1



NOTES	UWAGI
1.	ALL DIMENSIONS Wszystkie wymiary
2.	ALL DIMENSIONS FLANGES UNLESS OTHERWISE SPECIFIED Wszystkie wymiary flang nie są podane jeżeli nie jest specyfikowane inaczej
3.	Wszystkie wymiary flang nie są podane jeżeli nie jest specyfikowane inaczej
4.	1
5.	BOLLER SYSTEM
6.	1. LIMA KUTAJCZAK 2. LIMA KUTAJCZAK
7.	Supplies Pozostałe części
8.	Supplies Pozostałe części
9.	WHERE MARKED, BY SUPPLIER, PIPES ACCORDINGLY, PIPES V OZNAČENÍM ME-50 PODLEŽÍM DOKUMENTU PROJEKTANTOVÉHO PŘI JEJICH DODÁVCE

[illegible]

SPOOL		WEIGHT (kg)
NUMBER		
L2-S05-G058/HS/2		SEE Sh.023.1
L2-S05-G058/HS/3		85,57

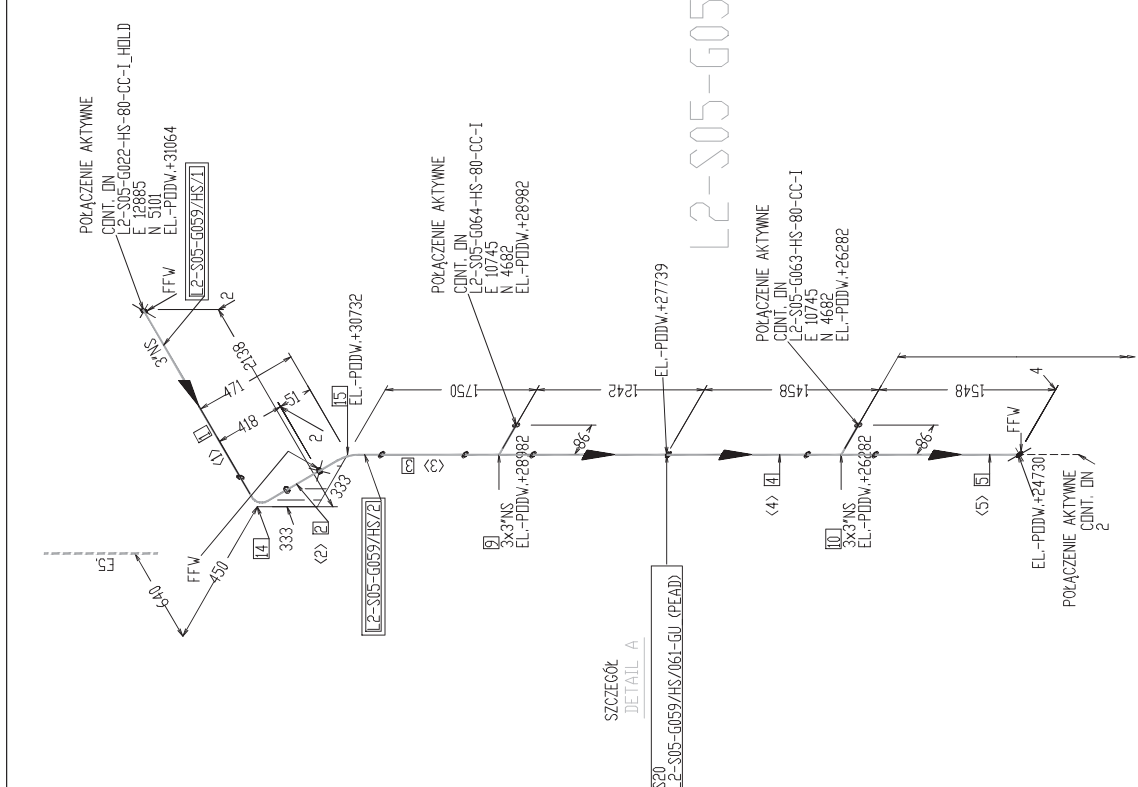
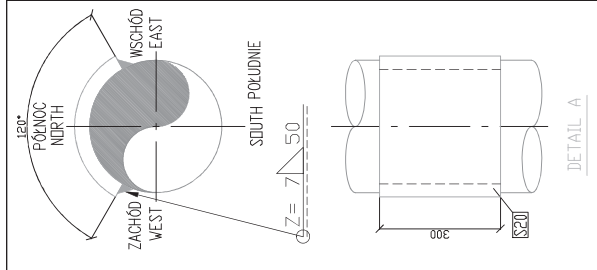
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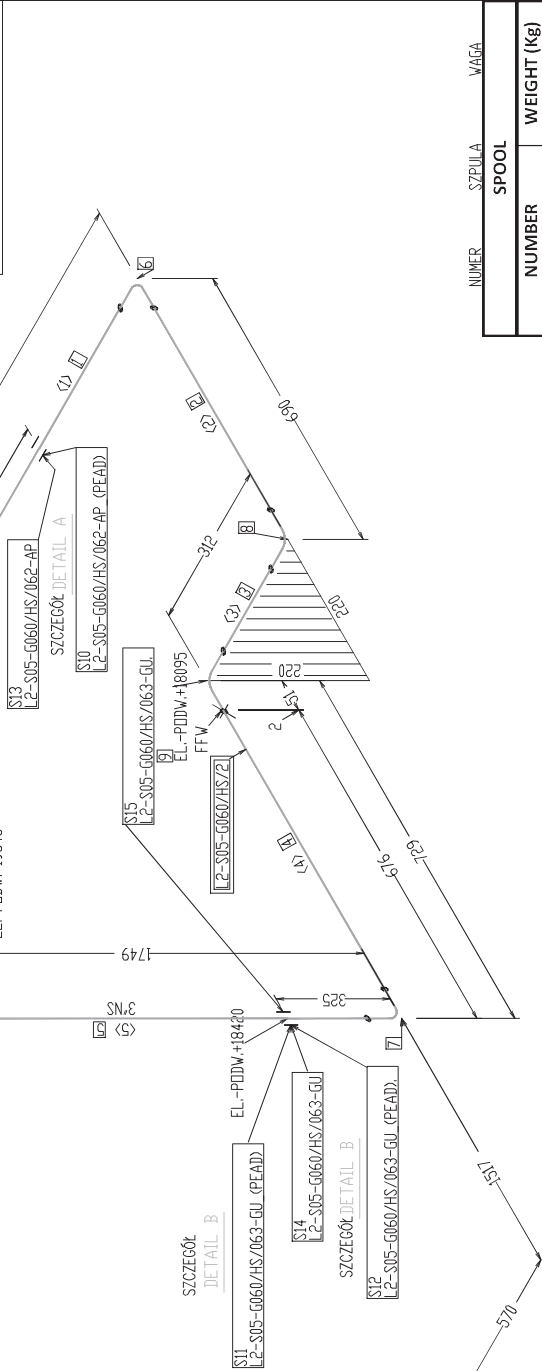
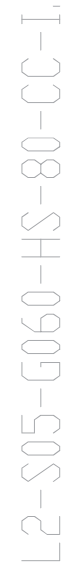
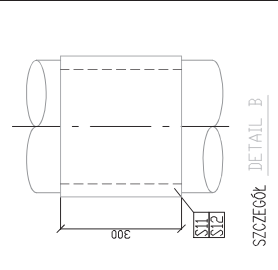
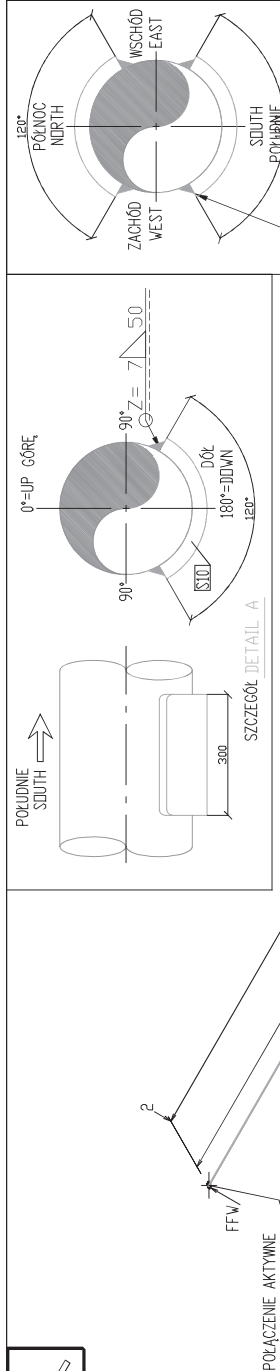
MATERIAL LIST – FABRICATION		LISTA MATERIAŁÓW – PRODUKCJA		LISTA MATERIALŲ – PRODUKCIJA	
PT.NO	SIZE (")	DESCRIPTION DPS	QTY/LENGTH n'/mm	WEIGHT Kg	WEIGHT Kilogram
6 7	3	PIPE – RURA PIPE BW SMLS ASME B36.10 SCH-80 ASTM A335 GR.P11	5155 mm	78.61	
10 11 12	3 x 3	FITTINGS – INSTALACJE TEE ASME B16.9 BW SCH80 ASTM A234 GR.WP11	3	12.72	
20 21 22	3	SUPPORTS PODPORY REINFORCING PEAD FROM METALLIC PIPE SCH-80 ASTM A335 GR.P11 – SEE DETAIL A –	3	4.50	

PIPE SPOOLS	SZUŁE DO RUJ	TOTAL FABRICATION WEIGHT CAŁKOWITA WAGA PRODUKTU	95.83
L2-S05-G058/HS/2 L2-S05-G058/HS/3			

L.P. ITEM	TABLE OF CUT PIPE LENGTH			TABELA CIĘCIA RUR		
	REMARKS EXTRA LONG EXTRA LONG UNAJE DŁUGIE	SIZE (") (mm) DŁUGOSC (mm)	ITEM n	REMARKS EXTRA LONG EXTRA LONG UNAJE DŁUGIE	SIZE (") (mm) DŁUGOSC (mm)	ITEM n
<7>		2627	3	FF WELD	2529	3

	COMMITTENTE : DEDICANDINA CONTRATTO : UMOWA		COMPLESSA - Job - ZAMOWIENIE N. 13EB0131	
	UTENTE - USER - UZYTOWNIK : TME LOCALITA' - PLANT LOCATION MIASTO BYDGOSZCZ IMPIANTO - PROJECT - INSTALACJA : ASTER BYDGOSZCZ (POLAND) SERVIZIO - SERVICE - USLUGA : VTE		IL PROGETTISTA - Project PROJEKTANT- ✱	
ISOMETRIC PIPING DRAWING RYSUNEK OROUROWANIA W RZUCIE IZOMETRYCZNYM			DISEGNO - Drg. RYSUNEK 13EB0131-M-323-L2 A2	
LINEA - Line N. LINEA L2-S05-G058-HS-80-CC-I.			ARKISZ FG-Sch DI-QRZ 0232 2	
Questo disegno e' vincolato e' vietata la ristampa All rights reserved			SCALA - Scale SKALA	
Rysunek wykonano zgodnie z obowiązującymi przepisami			REV./PRZ. 01/12	

[illegible]



NUMBER	SPOOL	WAGA
SPOOL		WEIGHT (Kg)
L2-S05-G060/HS/1		73,32
L2-S05-G060/HS/2		36,14

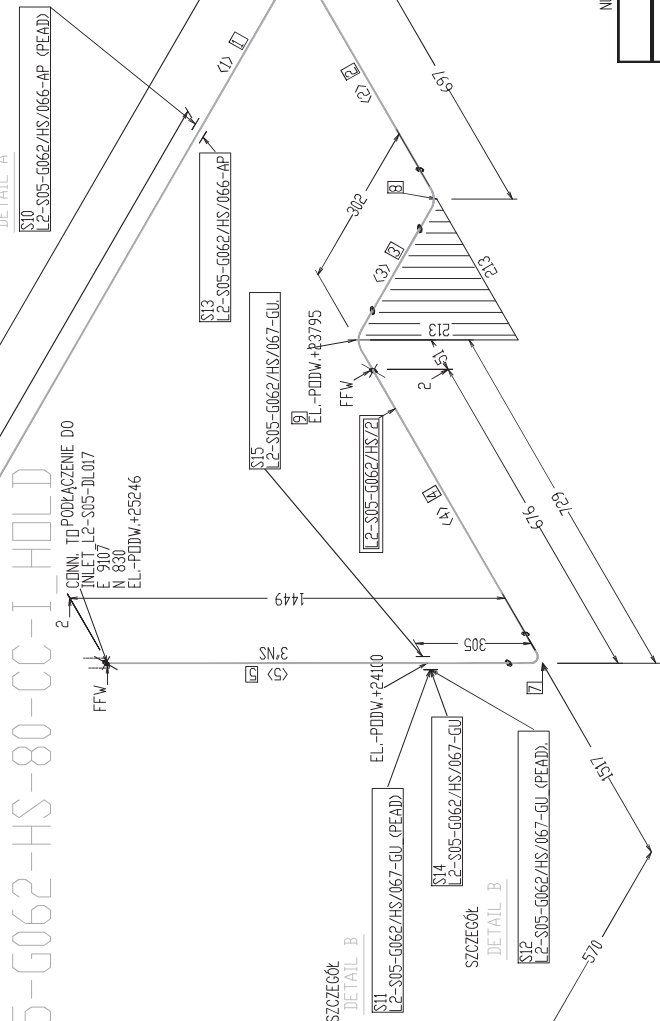
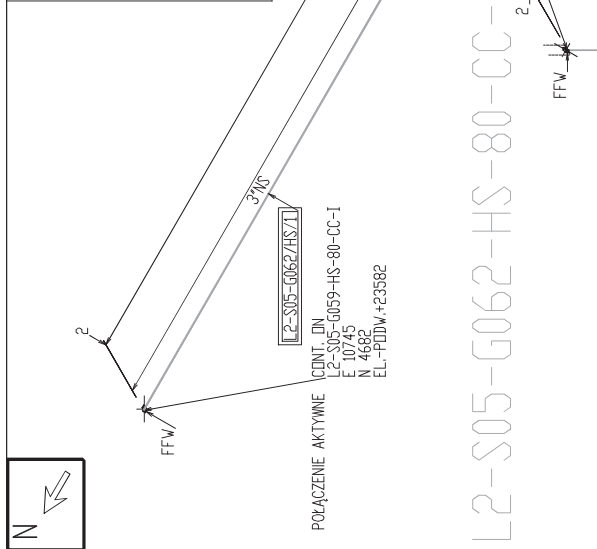
BIAŁA PRAĆA I OBLIĘCZNICTWO PROCES AND DESIGN DATA										BIAŁA WŁÓKNISTOŚĆ FIBRE CODES										12-S05-G060/H5/1										73.3.1									
CLOTHING TYPE		DESIGN		OPER.		DESIGN		CORR.		INSUL.		HATCH		PRESS.		RT		PT		CLOTH		DESIGN		CLOTH		DESIGN		CLOTH		DESIGN		CLOTH		DESIGN					
OPER.	PRESS.	THK	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.	TEMP.						
44	63	420	440	1,5	90	1101																																	
1. ALL DIMENSIONS, COORDINATES AND ELEVATIONS ARE IN H 2. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 3. FLANGES UNLESS NOTED OTHERWISE VARY FROM 100 TO 200MM 4. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 5. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 6. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 7. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 8. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 9. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 10. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 11. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 12. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 13. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 14. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 15. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 16. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 17. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 18. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 19. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 20. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 21. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 22. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 23. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 24. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 25. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 26. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 27. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 28. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 29. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 30. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 31. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 32. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 33. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 34. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 35. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 36. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 37. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF 38. ALL DIMENSIONS ARE TO CENTER LINE OF PIPE OR FACE OF																																							

MATERIAL LIST - FABRICATION LISTA MATERIAŁOW - PRODUKCJA				BLISKI/BLISKOŚĆ	WAGA
ITEM CODES	PT.NO	SIZE (mm)	DESCRIPTION OPIS	QTY/LENGTH n'/mm	WEIGHT kg
1 2 3 4 3	5		PIPE - RURA PIPE BW SMLS - RURA DO SPRAWIANIA CZYŚNIEGO BEZSIEMIA PIPE BW SMLS ASME B3610 SCH-80 ASTM A335 GRP11	6967mm	106.25
6 7		3	FITTINGS - INSTALACJE		
8 9		3	ELBOW-KOLANKO 90° LR ASME B16.9 BW SCH-80 ASTM A234 GR-P112 ELBOW-KOLANKO 45° ASME B16.9 BW SCH-80 ASTM A234 GR-P11 2		5.30 2.50
10 11		3	SUPPORTS PODPORY BLOK WZMACNIACZY OD METALOWEJ RURY SCH-80 ASTM A335 GR-P11 - ZEBIĄC SZCZEBŁE A -		
12		3	REINFORCING PEAD FROM METALLIC PIPE SCH-80 ASTM A335 GR-P11 - SEE DETAIL A -	3	4.50

MATERIAL LIST - ERECTION LISTA MATERIAŁÓW - BUDOWA				TOTAL FABRICATION WEIGHT CAŁKOWITA WAGA PRODUKTU	118.55
PT NO WARS. KODS	SIZE (")	DESCRIPTION OPIS	QTY/LENGTH n / mm	WEIGHT kg	WAGA
		SUPPORTS PODPORY			
13 14 15	3	SUPPORT PODPORA	3	0.00	
				TOTAL ERECTION WEIGHT CAŁKOWITA WAGA BUDOWY	0.00
				TOTAL WEIGHT-KG CAŁKOWITA WAGA - KG	118.55
PIPE SPIGOLS		SZPULE DO RUR			
L2-S05-G060/HS/1		L2-S05-G060/HS/2			

TABLE OF CUT PIPE LENGTH				TABELA CIĘCIA RUR			
L.P. ITEM	OUT (mm) LENGTH DŁUGOŚĆ (mm)	REMARKS EXTRA LONG OWAGI DŁUGOZI DŁUGIE FF. WELD WSPAWANY KŁENERZ	SIZE (")	LP ITEM	OUT (mm) LENGTH DŁUGOŚĆ (mm)	REMARKS EXTRA LONG OWAGI DŁUGOZI DŁUGIE FF. WELD WSPAWANY KŁENERZ	SIZE (")
(1)	3836		3	(2)	525		3
(3)	210		3	(4)	661		3
(5)	1735						

	COMPILITE : _____		COMPRESSA - Job - ZAMOWIENIE N. _____	
	CONTRATTO : _____		13EB0131	
UTENTE _____	USER _____	UTOWNIK _____	IL PROGETTISTA - Project PROJEKTANT- _____	
LOCALITA' _____	ZESPOLOWNIA _____			
IMPIANTO _____	PROJECT - INSTALACJA _____		* _____	
SERVIZIO _____	SERVICE - USLUGA _____		DISEGNO - Drg. - RYSUNEK _____	
ISOMETRIC PIPING DRAWING RYSUNEK ORUROWANIA W RZUCIE IZOMETRYCZNYM			13EB0131-M-323-L2 A2	
LINEA - Line N. UNA L2-S05-G060-HS-80-CC-I.				
Quant. disegni "c" vincolato a norma di legge All right of this drawing	Rysunek wykonano zgodnie z dotychczasowymi przepisami		AR0032	REV. / PZL
	SCALA - Scale SKALA _____	DI - 09/21	REV. / PZL	



NUMER	SZPULA	WAGA
SPOOL		
NUMBER	WEIGHT (K)	
L2-S05-G062/HS/1	7	
L2-S05-G062/HS/2	3	

[illegible]

73,32	L2-S05-G062/HS/1	L2-S05-G062/HS/2	31,57
REV. 1	REV. 2	REV. 3	REV. 4
REV. 5	REV. 6	REV. 7	REV. 8
REV. 9	REV. 10	REV. 11	REV. 12
REV. 13	REV. 14	REV. 15	REV. 16
REV. 17	REV. 18	REV. 19	REV. 20
REV. 21	REV. 22	REV. 23	REV. 24
REV. 25	REV. 26	REV. 27	REV. 28
REV. 29	REV. 30	REV. 31	REV. 32
REV. 33	REV. 34	REV. 35	REV. 36
REV. 37	REV. 38	REV. 39	REV. 40
REV. 41	REV. 42	REV. 43	REV. 44
REV. 45	REV. 46	REV. 47	REV. 48
REV. 49	REV. 50	REV. 51	REV. 52
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REV. 85	REV. 86	REV. 87	REV. 88
REV. 89	REV. 90	REV. 91	REV. 92
REV. 93	REV. 94	REV. 95	REV. 96
REV. 97	REV. 98	REV. 99	REV. 100
REV. 101	REV. 102	REV. 103	REV. 104
REV. 105	REV. 106	REV. 107	REV. 108
REV. 109	REV. 110	REV. 111	REV. 112
REV. 113	REV. 114	REV. 115	REV. 116
REV. 117	REV. 118	REV. 119	REV. 120
REV. 121	REV. 122	REV. 123	REV. 124
REV. 125	REV. 126	REV. 127	REV. 128
REV. 129	REV. 130	REV. 131	REV. 132
REV. 133	REV. 134	REV. 135	REV. 136
REV. 137	REV. 138	REV. 139	REV. 140
REV. 141	REV. 142	REV. 143	REV. 144
REV. 145	REV. 146	REV. 147	REV. 148
REV. 149	REV. 150	REV. 151	REV. 152
REV. 153	REV. 154	REV. 155	REV. 156
REV. 157	REV. 158	REV. 159	REV. 160
REV. 161	REV. 162	REV. 163	REV. 164
REV. 165	REV. 166	REV. 167	REV. 168
REV. 169	REV. 170	REV. 171	REV. 172
REV. 173	REV. 174	REV. 175	REV. 176
REV. 177	REV. 178	REV. 179	REV. 180
REV. 181	REV. 182	REV. 183	REV. 184
REV. 185	REV. 186	REV. 187	REV. 188
REV. 189	REV. 190	REV. 191	REV. 192
REV. 193	REV. 194	REV. 195	REV. 196
REV. 197	REV. 198	REV. 199	REV. 200
REV. 201	REV. 202	REV. 203	REV. 204
REV. 205	REV. 206	REV. 207	REV. 208
REV. 209	REV. 210	REV. 211	REV. 212
REV. 213	REV. 214	REV. 215	REV. 216
REV. 217	REV. 218	REV. 219	REV. 220
REV. 221	REV. 222	REV. 223	REV. 224
REV. 225	REV. 226	REV. 227	REV. 228
REV. 229	REV. 230	REV. 231	REV. 232
REV. 233	REV. 234	REV. 235	REV. 236
REV. 237	REV. 238	REV. 239	REV. 240
REV. 241	REV. 242	REV. 243	REV. 244
REV. 245	REV. 246	REV. 247	REV. 248
REV. 249	REV. 250	REV. 251	REV. 252
REV. 253	REV. 254	REV. 255	REV. 256
REV. 257	REV. 258	REV. 259	REV. 260
REV. 261	REV. 262	REV. 263	REV. 264
REV. 265	REV. 266	REV. 267	REV. 268
REV. 269	REV. 270	REV. 271	REV. 272
REV. 273	REV. 274	REV. 275	REV. 276
REV. 277	REV. 278	REV. 279	REV. 280
REV. 281	REV. 282	REV. 283	REV. 284
REV. 285	REV. 286	REV. 287	REV. 288
REV. 289	REV. 290	REV. 291	REV. 292
REV. 293	REV. 294	REV. 295	REV. 296
REV. 297	REV. 298	REV. 299	REV. 300
REV.			

MATERIAL LIST - FABRICATION			LISTA MATERIAŁÓW - PRODUKCJA		
PT.NO MATER. CZĘŚCI	SIZE (") KODOWA	DESCRIPTION OPIS	QTY/WEIGHT n / mm	WAGA Kg	
1 2 3 4 3		PIPE - RURA PIPE BW SMLS - RURA DO SPAWANIA CZŁONKOWO BEZSZWNA PIPE BW SMLS ASME B36.10 SCH-80 ASTM A335 GR.P11			
5			6663 mm	101.61	
6 7	3	FITTINGS - INSTALACJE ELBOW-KOLANKO 90° LR ASME B16.9 BW SCH-80 ASTM A234 GR.WP12		5.30	
8 9	3	ELBOW-KOLANKO 45° ASME B16.9 BW SCH-80 ASTM A234 GR.WP11 2		2.50	
10 11		SUPPORTS PODPORY BŁOŻYMIENIACZY DO METALOWEJ RURY SCH-80 ASTM A335 GR.P11 - ZOBACZ SZCZEGÓŁ A -			
12	3	REINFORCING PEAD FROM METALLIC PIPE SCH-80 ASTM A335 GR.P11 - SEE DETAIL A -	3	4.50	

MATERIAL LIST - ERECTION LISTA MATERIAŁOW - BUDOWA		TOTAL FABRICATION WEIGHT CAŁKOWITA WAGA PRODUKTU		113.91
PT.ND NUMER CZĘŚCI	SIZE (") WIDOK	DESCRIPTION OPIS	QTY/LENGTH n/mm	WEIGHT kg
13 14 15	3	SUPPORTS PODPORY	3	0.00

PIPE SPOOLS		SZPULE DO RUR	
L2-S05-G062/HS/1		L2-S05-G062/HS/2	
TOTAL ERECTION WEIGHT		0.00	
CAŁKOWITA WAGA WSTAW			
TOTAL WAGOWANIE			113.91
CAŁKOWITA WAGA - KG			

TABLE OF CUT PIPE LENGTH		TABLE OF CUT PIPE LENGTH		TABLE OF CUT PIPE LENGTH	
L.P. ITEM	SPRUE PIPE LENGTH (mm)	L.P. ITEM	SPRUE PIPE LENGTH (mm)	L.P. ITEM	SPRUE PIPE LENGTH (mm)
1 ^a	3936	3	3936	1 ^a	532
2 ^b	200	4	200	2 ^b	561
3 ^c	1434	5	1434	3 ^c	561
				4 ^d	561

	COMMITENTE : ZIELENOWSKA		COMPRESA - Job - ZAMOWIENIE N. 13EB0131	
	CONTRATTO : UWAGA			
UTENTE : USER : UZYTKOWNIK : THE		IL PROGETTISTA - Project PROJEKCIANI-		
LOCALITA' : PLANT LOCATION MASTO BYDGOSZCZ		*		
IMPIANTO - PROJECT - INSTALACJA : ASTER BYDGOSZCZ (POLAND)				
SERVIZIO - SERVICE - USLUGA : VTE				
LINEA - Line N. DIMA L2 - S05-G062-HS-80-C-1.				
Questo disegno e' vincolato a norma di legge All copyright drawing		SCALE - Scale SKALA		REV. PRZ. 01-06/21 1
Riepilogo materiale fornito e consegnato		02/21		02/21
ISOMETRIC PIPING DRAWING RYSUNEK OZUROWANIA W RZUCIE IZOMETRYCZNYM		DISEGNO - Drg. - RYSUNEK 13EB0131-M-323-L2		A2

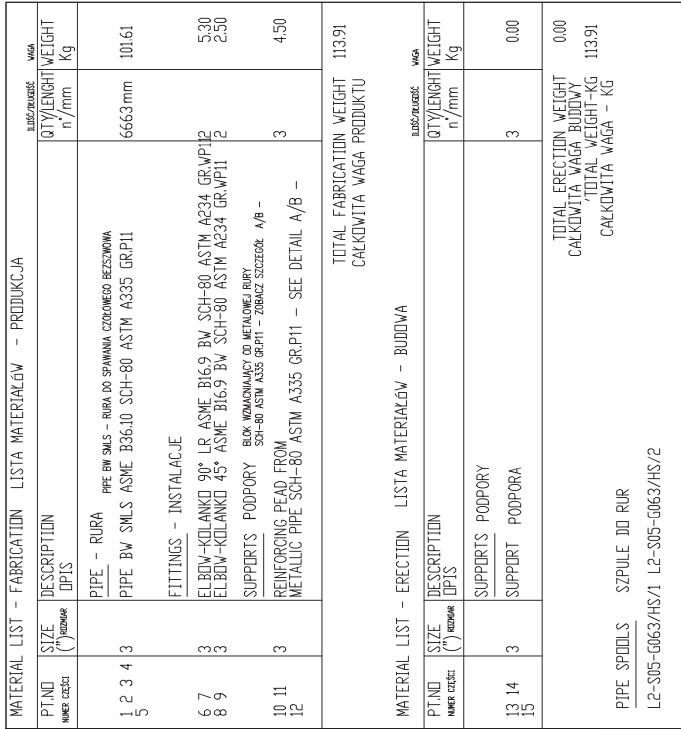
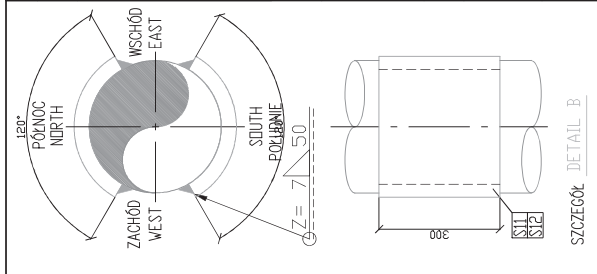
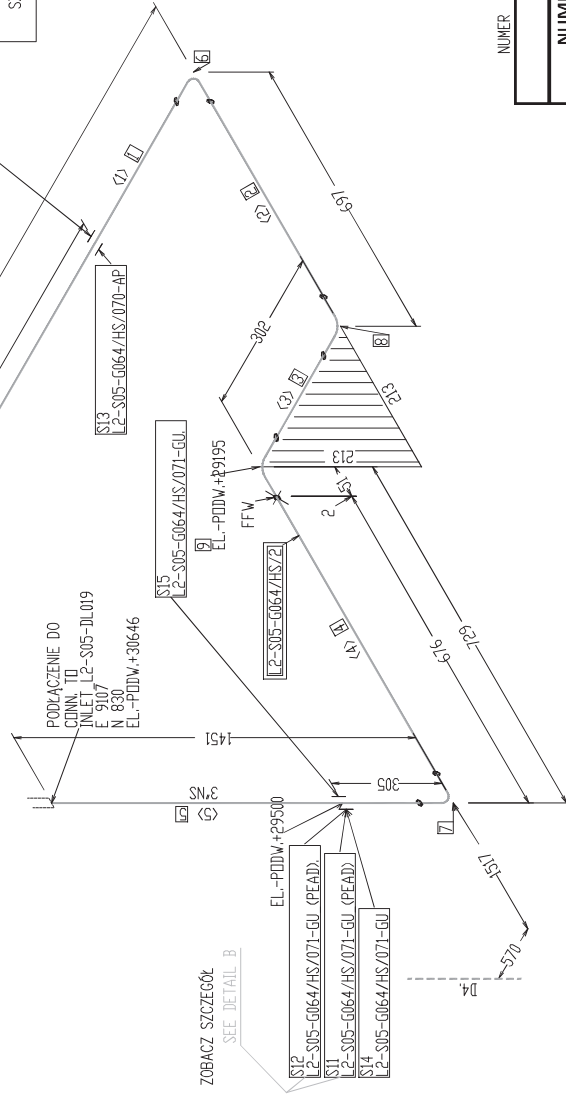
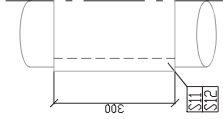
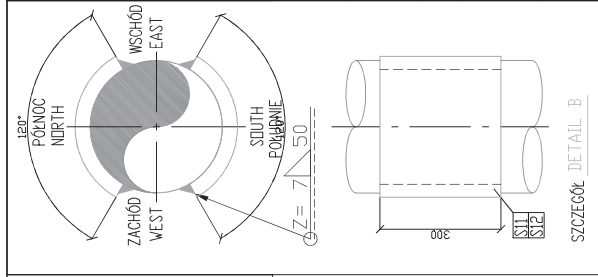


TABELA DŁ. CIECIA RUR			
LP. ITEM	REMARKS EXTRA LONG UNAJ BARDZO DŁUGIE	CUT (mm) LENGTH DŁUGOSĆ (mm)	REMARKS EXTRA LONG UNAJ BARDZO DŁUGIE
1)	3836	532	FF WELD
2)	200	661	FF WELD
3)	1434	661	FF WELD

	COMMITTENTE : DEDENOMINAZIONE CONTRATTO : UOMINA		COMPRESSA - Job -ZAMOWIENIE N. 13E0131	
	UTENTE - USER : THE LOCALITA' - PLANT LOCATION: WYBYSZCZ IMPIANTO - PROJECT - INSTALACJA : ASTER WYBYSZCZ (POLAND) SERVIZIO - SERVICE - USLUGA : WTE		IL PROGETTISTA - Project PROJEKTYNT- *	
ISOMETRIC PIPING DRAWING RYSUNEK OROUROWANIA W RZUCIE IZOMETRYCZNYM			DISEGNO - Drg. - RYSUNEK 13E0131-M-323-L2 A2	
LINEA - Line N. DIMA L2-S05-G063-HS-80-CC-1			ABRUSZ	
Questo disegno e' vincolato a norme di legge All rights reserved		SCALA - Scale SKALA		REV. /RZ. 0281 1

[illegible]

[illegible][illegible]

MATERIAL LIST - ERECTION LISTA MATERIAL GW - BUDDHYA				TOTAL FABRICATION WEIGHT CAKOWITA WAGA PRODUKTU		112.42
PT. NO	SIZE (¹ / ₂) KIDMARE	DESCRIPTION DPS	QUANTITY n' /mm		WAGA	
			SUPPORTS	PODPORY		
			SUPPORT	PODPORA		
13 14 15	3			3		0.00
TOTAL ERECTION WEIGHT CAKOWITA WAGA BUDDHYA						0.00
'TOTAL WEIGHT-KG CAKOWITA WAGA - KG						112.42

PIPE SPOOLS SZPULE DO RUR

L2-S05-G064/HS/1 L2-S05-G064/HS/2

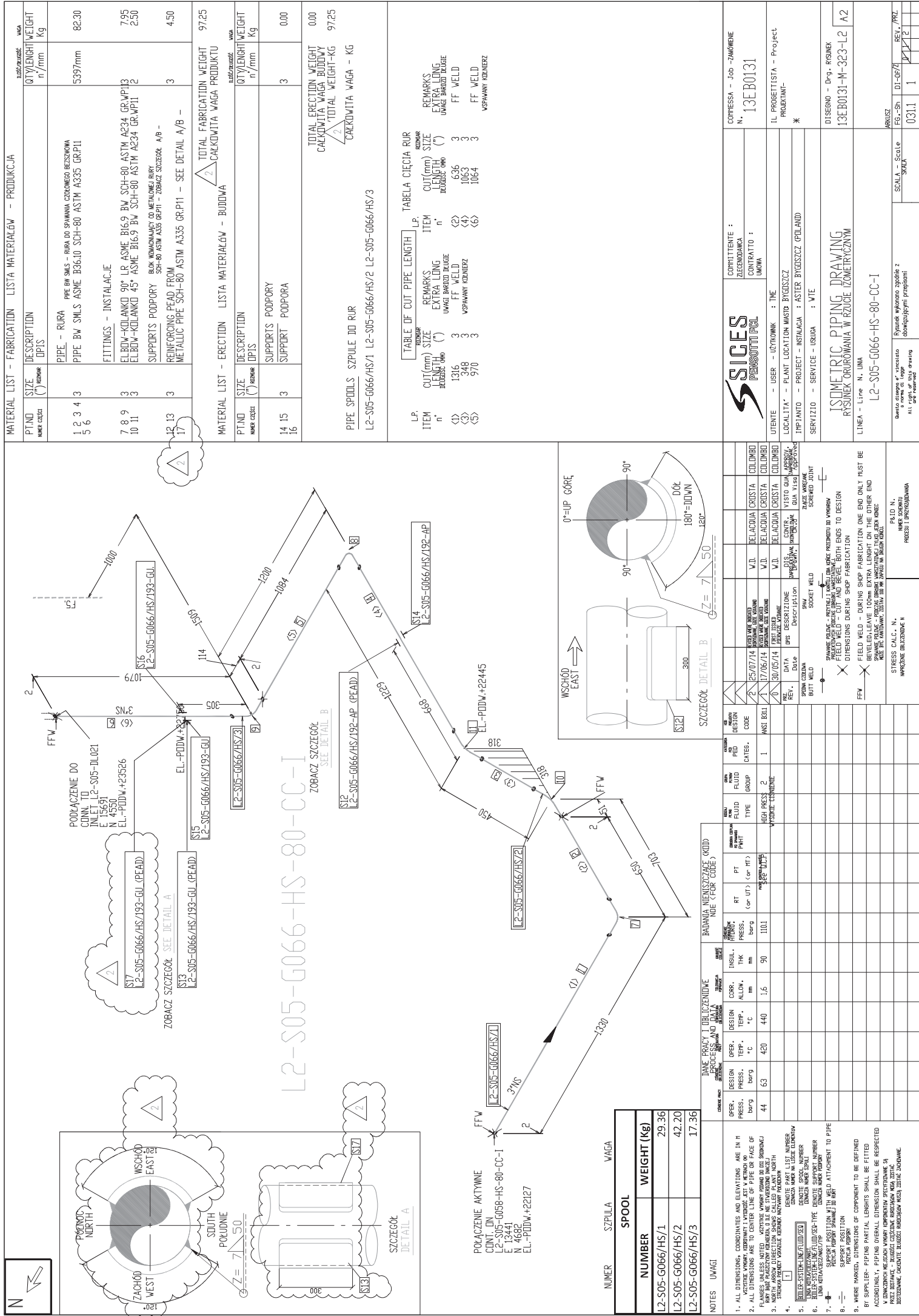
MATERIAL LIST - ERECTION LISTA MATERIAL GW - BUDDHYA				TOTAL FABRICATION WEIGHT CAK KOWITA WAGA PRODUKTU		112.42
PT. NO	SIZE (¹ / ₂) KIDMARE	DESCRIPTION DPSIS	QUANTITY n' /mm		WAGA	
			SUPPORTS	PODPORY		
			SUPPORT	PODPORA		
13 14 15	3			3		0.00
					TOTAL ERECTION WEIGHT CAK KOWITA WAGA BUDDHYA	0.00
					TOTAL WEIGHT-KG CAK KOWITA WAGA - KG	112.42

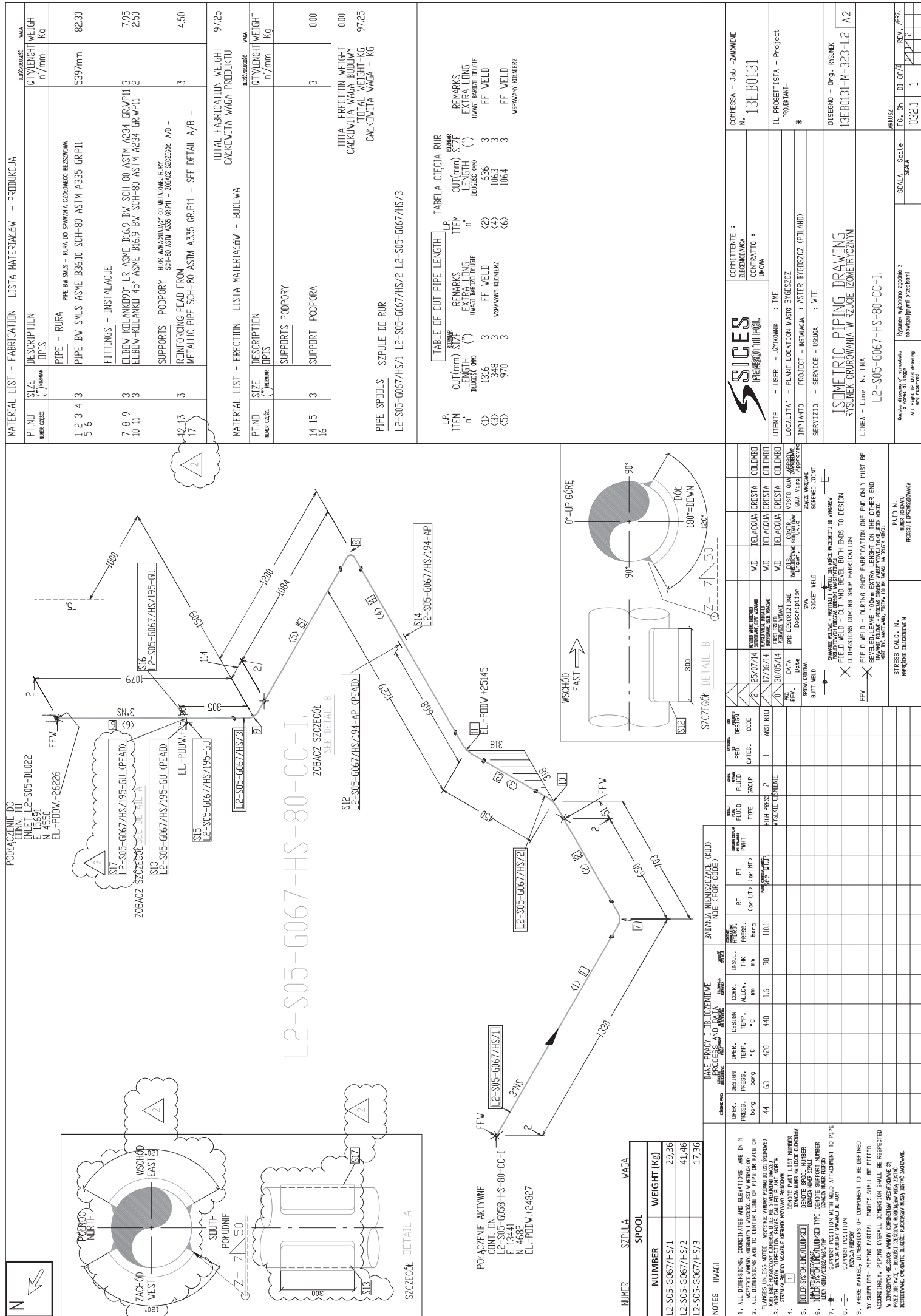
PIPE SPOOLS SZPULE DO RUR

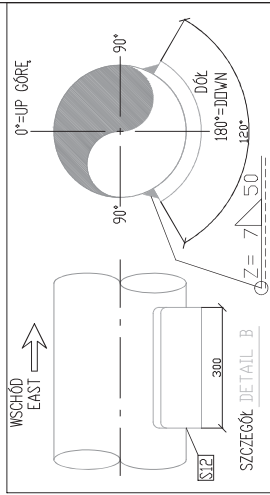
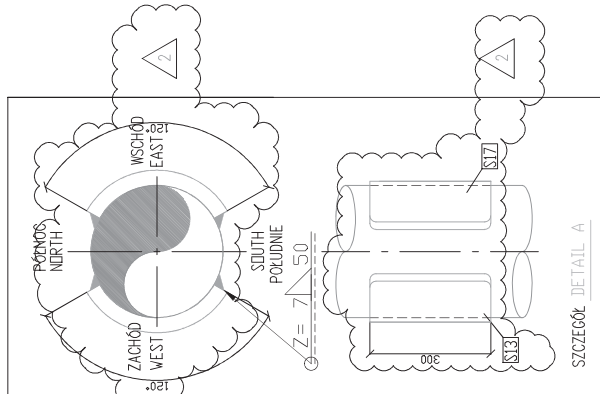
L2-S05-G064/HS/1 L2-S05-G064/HS/2

TABLE OF CUT PIPE LENGTH			TABELA CIĘCIA RUR		
L.P. ITEM (NO.)	CUT(From) LENGTH (mm)	REMARKS EXTRA LONG UNAKI BARZŁU TŁUCIE	L.P. ITEM (NO.)	CUT(From) LENGTH (mm)	REMARKS EXTRA LONG UNAKI BARZŁU TŁUCIE
(1)	3936	3	(2)	522	3
(2)	200	3	(3)	661	3
(3)	1336				
(5)					

	COMITENTE :		COMPRESSA - Job - ZAMOWIENIE	
	CONTRATTO :		N.° 13EB0131	
UTENTE - USER - UŻYTKOWNIK :		IL PROGETTISTA - Project		DISEGNO - Drg. RYSUNEK 13EB0131-M-323-L2
LOCALITA' - PLANT LOCATION MASTO BYDGOSZCZ		PROJEKTANT- *		
IMPIANTO - PROJECT - INSTALACJA : ASTER BYDGOSZCZ (POLAND)		SERVIZIO - SERVICE - USŁUGA : VIE		LINEA - Line N. LINIA L2-S05-G064-HS-80-CC-I
RYSUNEK OBRÓWNIOWANIA W RZUCIE IZOMETRYCZNYM ISOMETRIC PIPING DRAWING		SCALE A - Scale SCALE		
Quant. drawings : «descritto a voce di 1 foglio» All right of this drawing		Rendeo wykonano zgodnie z obowiązującymi przepisami		ARRUZ Fir - Sh 0291
		DI - 04/2 REV. PRZ.		1 1 1





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PIPE SPOOLS SZPULĘ DO RUR					
L2-S05-G068/HS/1	L2-S05-G068/HS/2	L2-S05-G068/HS/3			
			TOTAL ERECTION WEIGHT CALCOWITA WAGA BUDOWY	0.00	
			TOTAL WEIGHT-KG CALCOWITA WAGA - KG	98.78	

PIPE SPOOLS SZPULĘ DO RUR					
L2-S05-G068/HS/1	L2-S05-G068/HS/2	L2-S05-G068/HS/3			
			TOTAL ERECTION WEIGHT CALCOWITA WAGA BUDOWY	0.00	
			TOTAL WEIGHT-KG CALCOWITA WAGA - KG	98.78	

TABLE OF CUT PIPE LENGTH						TABLE OF SPARE SIZE						TABLE OF CUT PIPE LENGTH						TABLE OF SPARE SIZE					
L.P.	ITEM	n	CUT (mm)	LENGTH	BLDGSS (mm)	REMARKS	EXTRA LONG	UNW	BLDGSS (mm)	L.P.	ITEM	n	CUT (mm)	LENGTH	BLDGSS (mm)	REMARKS	EXTRA LONG	UNW	BLDGSS (mm)				
<1>	<1>	<1>	1316	3	3	FF WELD			636	<2>	<2>	<2>	636	3	3	FF WELD			636				
<3>	<3>	<3>	348	3	3	FF WELD			1063	<4>	<4>	<4>	1063	3	3	FF WELD			1063				
<5>	<5>	<5>	1070	3	3	FF WELD			1064	<6>	<6>	<6>	1064	3	3	FF WELD			1064				

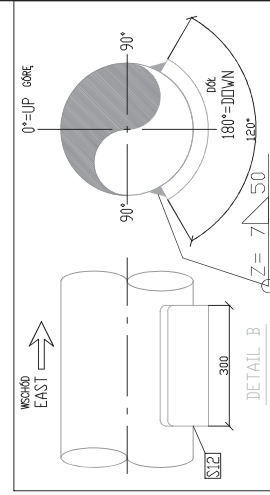
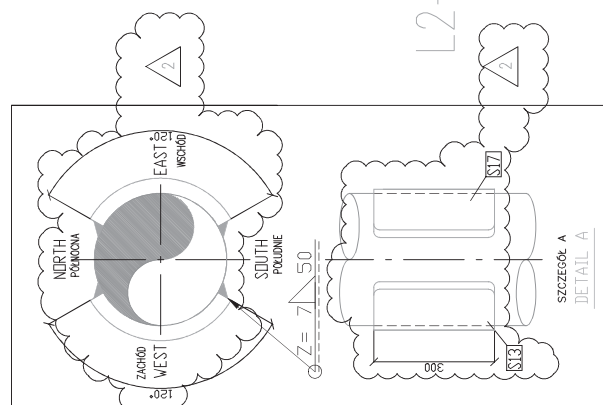
TABLE OF CUT PIPE LENGTH						TABLE OF SPARE SIZE						TABLE OF CUT PIPE LENGTH						TABLE OF SPARE SIZE					
L.P.	ITEM	n	CUT (mm)	LENGTH	BLDGSS (mm)	REMARKS	EXTRA LONG	UNW	BLDGSS (mm)	L.P.	ITEM	n	CUT (mm)	LENGTH	BLDGSS (mm)	REMARKS	EXTRA LONG	UNW	BLDGSS (mm)				
<1>	<1>	<1>	1316	3	3	FF WELD			636	<2>	<2>	<2>	636	3	3	FF WELD			636				
<3>	<3>	<3>	348	3	3	FF WELD			1063	<4>	<4>	<4>	1063	3	3	FF WELD			1063				
<5>	<5>	<5>	1070	3	3	FF WELD			1064	<6>	<6>	<6>	1064	3	3	FF WELD			1064				

	COMMITENTE : ZIELENDOMSKA		COMPRESA - Job - ZAMAWIENIE N. 13FB0131
	CONTRATTO : UMOWA		
UTENTE : USER : UZTKOWNIK : TIME			
LOCALITA' : PLANT LOCATION	WASTOCZ WYGOŚCZ		
IMPianto : PROJECT - INSTALACJA :	WASTER WYGOŚCZ (POLAND)		
SERVIZIO : SERVICE - USŁUGA :	WASTER		
IL PROGETTISTA - Project PROJEKTANT- *			

	COMMITENTE : ZIELENDOMSKA		COMPRESA - Job - ZAMAWIENIE N. 13FB0131
	CONTRATTO : UMOWA		
UTENTE : USER : UZTKOWNIK : TIME			
LOCALITA' : PLANT LOCATION	WASTOCZ WYGOŚCZ		
IMPianto : PROJECT - INSTALACJA :	WASTER WYGOŚCZ (POLAND)		
SERVIZIO : SERVICE - USŁUGA :	WASTER		
IL PROGETTISTA - Project PROJEKTANT- *			

ISOMETRIC PIPING DRAWING RYSUNEK OBRÓWNIANIA W RZUCIE IZOMETRYCZNYM		DISEGNO - Drg. - RYSUNEK 13EB01.31-M-323-12-A2	
LINEA - Line N. LINEA L2-S05-G068-HS-80-CC-I.		ARKUSZ	
Questo disegno e' vincolato a norme di legge All'ingegnerato drawing		SCALE - Scale SCALE	FG-Sh DI-09/2 033.1 1
Rysunek wykonano zgodnie z obowiązującymi przepisami		REV. NRZ. 1/1/2	

ISOMETRIC PIPING DRAWING RYSUNEK OBRÓWNIANIA W RZUCIE IZOMETRYCZNYM		DISEGNO - Drg. - RYSUNEK 13EB01.31-M-323-12-A2	
LINEA - Line N. LINEA L2-S05-G068-HS-80-CC-I.		ARKUSZ	
Questo disegno e' vincolato a norme di legge All'ingegnerato drawing		SCALE - Scale SCALE	FG-Sh DI-09/2 033.1 1
Rysunek wykonano zgodnie z obowiązującymi przepisami		REV. NRZ. 1/1/2	

[illegible][illegible]

MATERIAL LIST – ERECTION		LISTA MATERIALGW – BUDOWA		TOTAL FABRICATION WEIGHT CAŁKOWITA WAGA PRODUKTU	97.79
PT.NO NUMER CZĘŚCI	SIZE (ROZMIAR	DESCRIPTION OPIS	QTY/LENGTH n./mm	WEIGHT kg	
		SUPPORTS			
		POOPORY			
14 15 16	3	SUPPORT/PODPORA		3	0.00
				TOTAL ERECTION WEIGHT CAŁKOWITA WAGA BUDOWY	0.00
				TOTAL WEIGHT-KG CAŁKOWITA WAGA – KG	97.79

PIPE SPOOLS SZPULKI DO RUR

L2-S05-G069/HS/1 L2-S05-G069/HS/2 L2-S05-G069/HS/3

LOT	ITEM	REMARKS	REMARKS	REMARKS
n	n	EXTRA LONG	EXTRA LONG	EXTRA LONG
		UWAGI BARZIO DUE	UWAGI BARZIO DUE	UWAGI BARZIO DUE
		FF WELD	FF WELD	FF WELD
		VSANARY KINERZ	VSANARY KINERZ	VSANARY KINERZ
		FF WELD	FF WELD	FF WELD
<1>	<1>	1316	554	3
<3>	<3>	464	1063	3
<5>	<5>	970	1065	3

	COMPILITENTE : ZLECAJĄCA		COMPRESSA - Job -ZAMAWIENIE N. 15FB0131	
	CONTRATTO : UNOVA			
UTENTE - USER : UŻYTKOWNIK : TIME				
LOCALITA' - PLANT LOCATION : WARSZAWA BYDGOSZCZ				
IMPIANTO - PROJECT - INSTALACJA : ASTER BYDGOSZCZ (POLAND)				
SERVIZIO - SERVICE - USŁUGA : WTE				
ISOMETRIC PIPING DRAWING RYSUNEK URUROWANIA W RZDZIE IZOMETRYCZNYM				
LINEA - Line N. LINIA L2-S05-6069-HS-80-CC-I.				
Quant. disegni n° verificato a nome di legal All right of this drawing	Riprendi e firmato together z corresponding praprietary		ARRUZZ P5-SH 034.1	
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