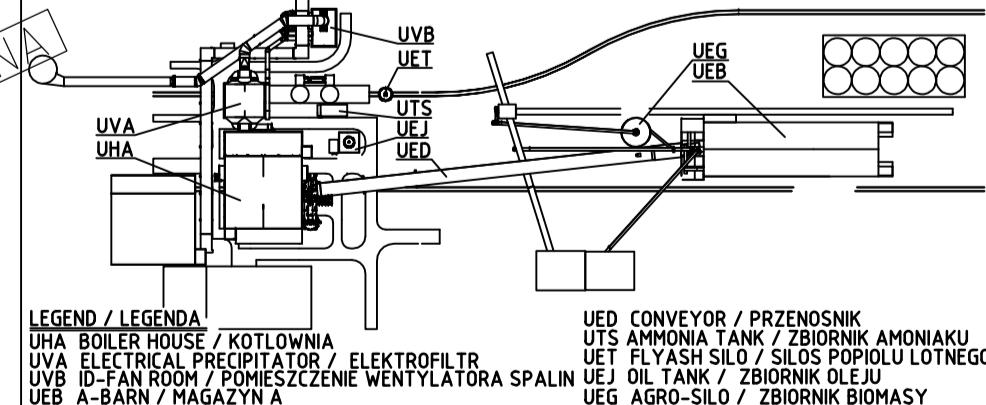


Date	Drawn	App'd	Revision	No.	Mark
Date	By	Zaw.	Revizja	Nr	Oznac.

Pos.	Item	Material	Pos.	Item	Material
1.0	Furnace		6.0	Cross-over duct	
1.1	Grid material is not supplied by Calderys		6.1	Side walls rear wall and roof	CALDE™ GUN LM 74 A
1.2	Step	CALDE™ FLOW LF 50 A	6.2	Bottom + bottom isolation	CALDE™ CAST XL 106 C/G
1.3	Furnace front and rear wall	CALDE™ FLOW LF 50 A	6.3	Expansion joint	CALDE™ GUN LM 74 A
1.4	Furnace side walls	CALDE™ FLOW LF 50 A	6.4	Casting around vortex finder	CALDE™ FLOW LF 50 A
1.5	Walls upper part 300 mm	CALDE™ STIX PB 85 C/G	6.5	Screen tubes	CALDE™ FLOW LF 50 A
1.6	Wing walls	CALDE™ FLOW LF 50 A	6.6	Tiles over the expansion joints	CALDE™ FLOW LF 50 A
1.7	Roof header	CALDE™ GUN LM 74 A	7.0	Conv.Cage	
1.8	Furnace Roof	CALDE™ GUN LM 74 A	7.1	Roof at Walls	CALDE™ GUN LM 74 A
2.0	Gas inlet to the separator		7.2	Openings	
2.1	Walls	CALDE™ FLOW LF 50 A	7.3	Manholes box	CALDE™ FLOW LF 50 A
2.2	Walls "boiler side wall"	CALDE™ FLOW LM 74 A	7.4	Fuel feed	CALDE™ FLOW LF 50 A + 3 % Steel needles
2.3	Roof, Corner between roof and wall 300 X 300 mm will be lined with CALDE™STIX PB 85 C/G	CALDE™ GUN LM 74 A	7.5	Start-up burner	CALDE™ FLOW LF 50 A + 3 % Steel needles
2.4	Bottom	CALDE™ FLOW LF 50 A	7.6	Secondary air	CALDE™ FLOW LF 50 A
2.5	Expansion joint same material will be used, as on the wall	CALDE™ FLOW LF 50 A	7.7	Upper primary air	CALDE™ FLOW LF 50 A
3.0	Separator		7.8	Sand feed	CALDE™ FLOW LF 50 A
3.1	Vertical walls	CALDE™ FLOW LF 50 A	7.9	Fly ash circulation	CALDE™ FLOW LF 50 A
3.2	Target walls	CALDE™ FLOW LM 74 A	8.0	Limestone feed	CALDE™ FLOW LF 50 A
3.3	Sloping walls	CALDE™ CAST LS 60	8.1	Slurry feed	CALDE™ FLOW LF 50 A
3.4	Roof	CALDE™ GUN LM 74 A	8.2	Pressure measurement	CALDE™ FLOW LF 50 A
3.5	Corner between roof and walls 300 X 300 mm	CALDE™ STIX PB 85 C/G	8.3	Temperature measurement	CALDE™ FLOW LF 50 A
4.0	Return leg		8.11	Internal circ. Inlet opening	
4.1	Expansion joint	CALDE™ FLOW LF 50 A	8.12		
4.2	Side walls up	CALDE™ FLOW LF 50 A	8.13	Lift leg	CALDE™ FLOW LF 50 A + 3 % Steel needles
4.3	Front wall up	CALDE™ FLOW LF 50 A	8.14	Over-flow	CALDE™ FLOW LF 50 A + 3 % Steel needles
4.4	Rear wall up	CALDE™ FLOW LF 50 A	8.15	Wall seal	CALDE™ FLOW LF 50 A + 3 % Steel needles
4.5	Side walls	CALDE™ FLOW LF 50 A	8.16	Gas exhaust opening	CALDE™ FLOW LF 50 A
4.6	Front wall	CALDE™ FLOW LF 50 A	8.17	Soot blowing	CALDE™ FLOW LF 50 A
4.7	Rear wall	CALDE™ FLOW LF 50 A	8.18	Wing wall box	CALDE™ FLOW LF 50 A
4.8	Bottom	CALDE™ FLOW LF 50 A	8.19	Wing wall roof box	Ceramic wool 128 kg/m <sup>3</sup>
4.9	Bottom isolation	CALDE™ GUN MW Strong Lite	8.20	RH 1 wall box	CALDE™ FLOW LF 50 A
5.0	Intrrex Camber		8.21	Ammonia feed	CALDE™ FLOW LF 50 A
5.1	Side walls / lower part	CALDE™ FLOW LM 74 A	8.22	Combustion Chamber corners	CALDE™ FLOW LF 50 A
5.2	Side walls upperparts	CALDE™ FLOW LF 50 A	8.23	Sloping wall boxes	CALDE™ CAST LS 60
5.3	Front wall upperparts	CALDE™ FLOW LF 50 A	8.24	Super heater wall box II 130 pc of connection box	CALDE™ FLOW LF 50 A
5.4	Front wall lower part	CALDE™ FLOW LF 50 A			
5.5	Front wall lower part isolation	CALDE™ CAST XL 106 C/G			
5.6	Rear wall	CALDE™ FLOW LF 50 A			
5.7	Bottom	CALDE™ FLOW LF 50 A			
5.8	Roof	CALDE™ GUN LM 74 A			

MISC. DETAILS 953-FWHBC+...-MTC5106  
 MANHOLE PLUG DIA 780 953-FWHBC+...-MTC5108  
 MANHOLE PLUG DIA 680 953-FWHBC+...-MTC5113  
 MANHOLE PLUG DIA 480 953-FWHBC+...-MTC5126  
 MAINTENACE PLUG 953-FWHBC+...-MTC5128

115		CALDE GUN LM 74 A
97		CALDE CAST LS 60
64		CALDE FLOW LM 74 A
46		CALDE CAST MW STRONGLITE
24		CALDE FLOW LF 50 A
22		CALDE STIX PB 85 C/G
16		CALDE CAST XL 106 C/G



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Client: GDF SUEZ Energia Polska S.A.  
 Project: Polaniec Green Unit  
 Main Assembly: CFB 158.3/135.1 kg/s, 127.5/19.5 bar, 535/535 °C  
 Title: Tytuł rys.: OVERALL VIEW, REFRACTORY LINING

Scale: 1:100 (-)  
 Weight: kg  
 Date: 23.09.2011  
 Work No.:  
 Nr pracy:  
 Group No.:  
 Nr grupy:  
 Sub Contractor: FOSTER WHEELER  
 Sub Checked: SKN  
 Sub Approved: AOK  
 Date: 22.12.2011  
 KKS Dwg No.:  
 Nr rys. Dwg. KKS: 953-FWHBC+...-MTC5101