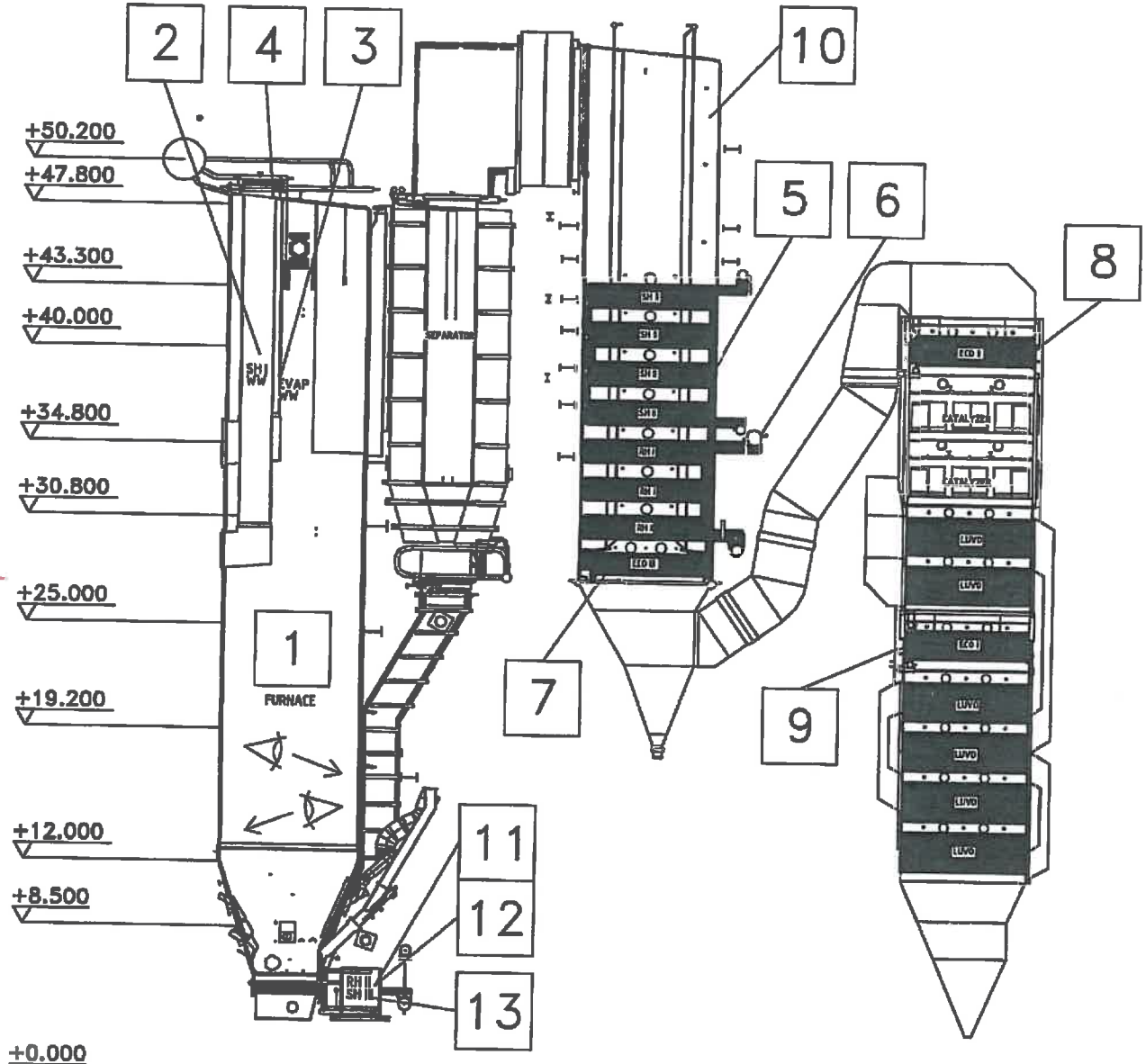


ULTRASONIC THICKNESS MEASUREMENTS AND VISUAL INSPECTIONS

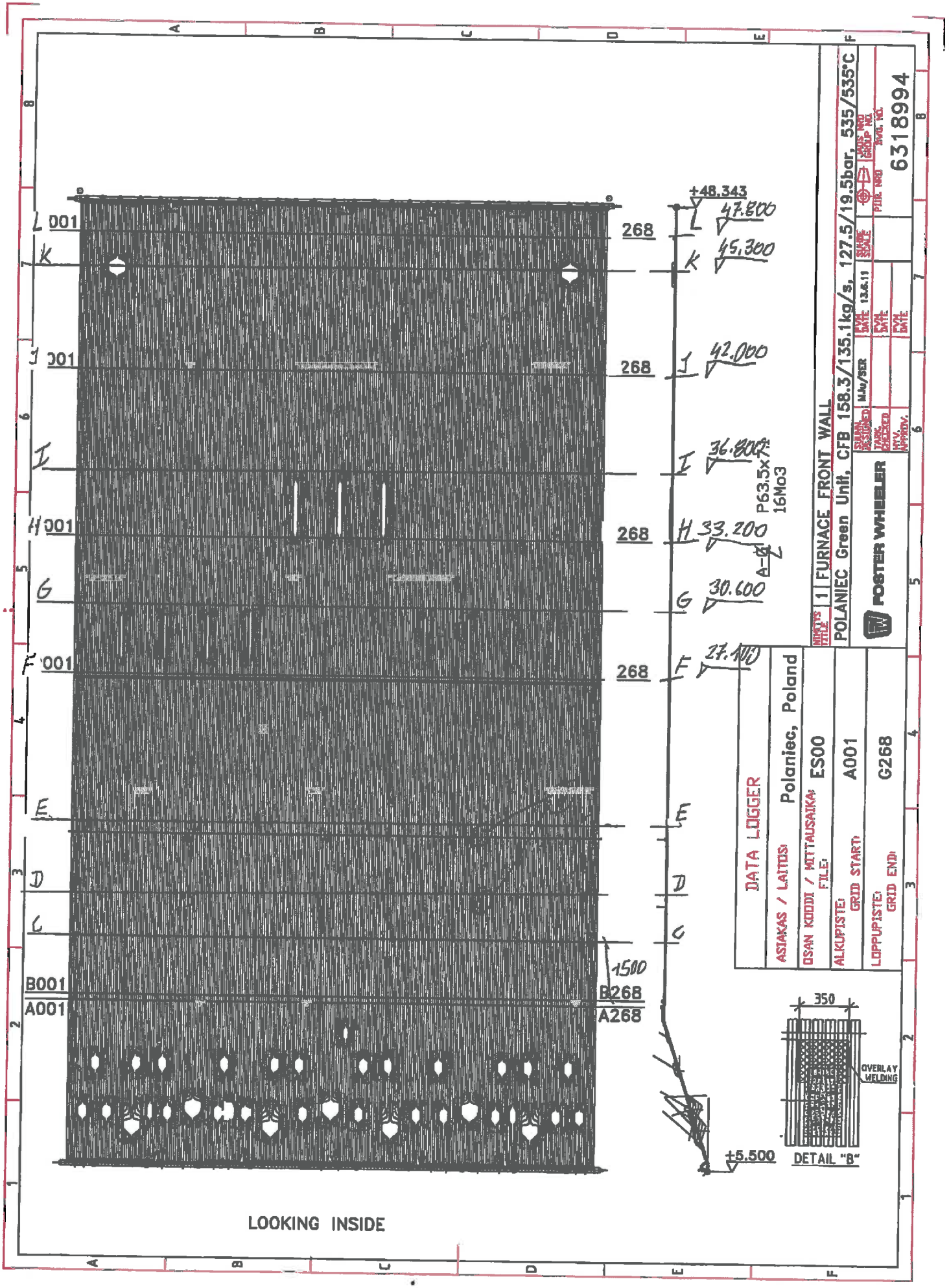
1	FURNACE FRONT WALL 1	6318894
	FURNACE REAR WALL 2	6319004
	FURNACE LEFT SIDE WALL 3	6319014
	FURNACE RIGHT SIDE WALL 4	6319024
2	WING WALL SUPERHEATER I 5	6319034
3	EVAPORATIVE WING WALL I 6	6319044
	EVAPORATIVE WING WALL II	6319054
	EVAPORATIVE WING WALL III	6319064
4	FURNACE ROOF	6319074
5	SUPERHEATER II 7	6319084
6	REHEATER I 8	6319094
7	ECONOMIZER III 9	6319104
8	ECONOMIZER II 10	6319114
9	ECONOMIZER I 11	6319124
10	CONVECTION CAGE REAR WALL 12	6319134
	CONVECTION CAGE LEFT SIDE WALL 13	6319144
	CONVECTION CAGE RIGHT SIDE WALL 14	6319154
11	INTREX REHEATER II A 15	6319164
12	INTREX REHEATER II B	6319174
13	INTREX SUPERHEATER III 16	6319184
14	Hanger TUBES	8

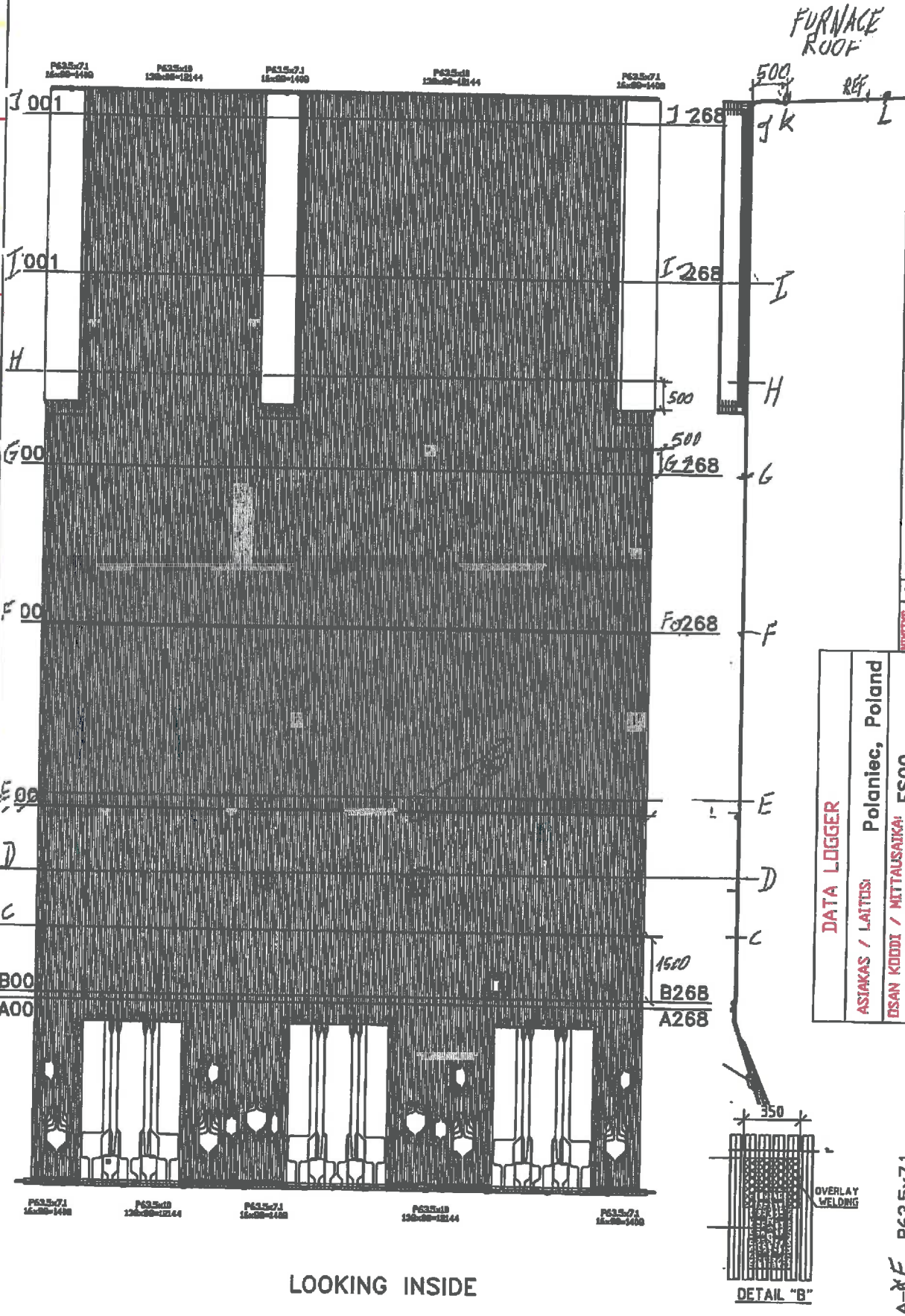
NORTH'S TITLE: SECTIONAL DRAWING

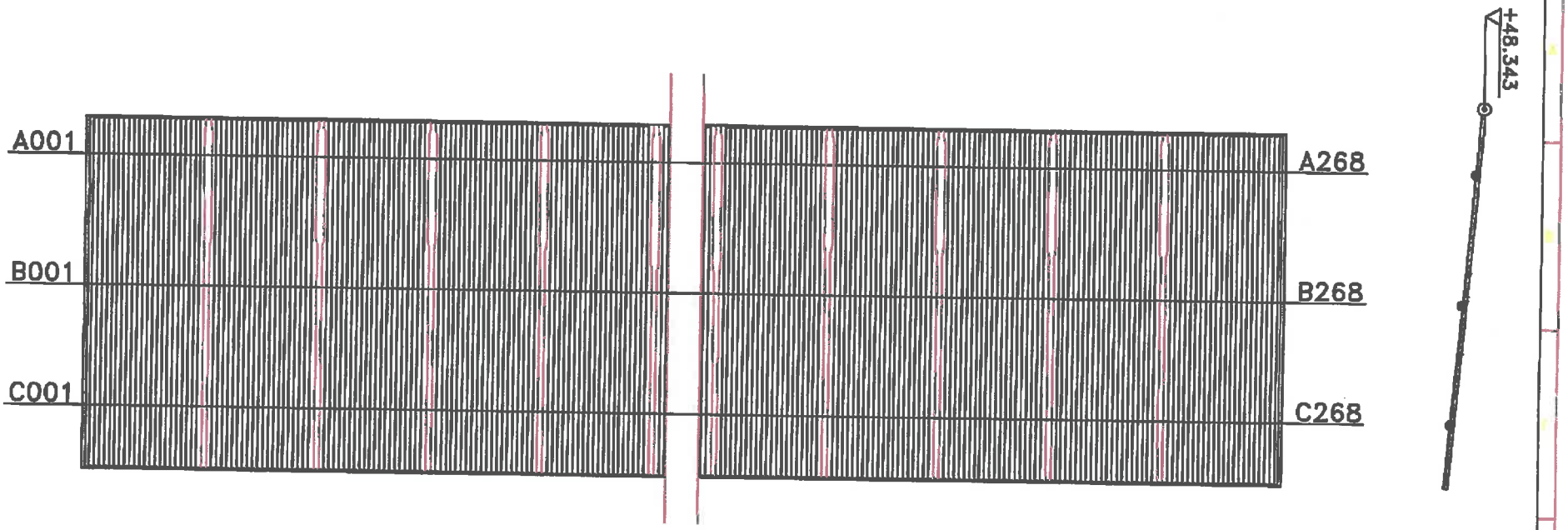
POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

FOSTER WHEELER

DRAWN / DESIGNED	M.Ju/SER	EVH DATE 13.6.11	SHEET SCALE	JMDS NEU GROUP NO.
TABK. CHECKED		EVH DATE		PLW. NRO DWG. NO. 6318984
HYV. APPROV.		EVH DATE		


+48.343
47.800
45.300
42.000
36.800
33.200
30.600
27.100
+5.500
L001
K
J001
I
H001
G
F001
E
D
C
B001
A001
268
L
K
J
I
H
G
F
E
D
C
B268
A268
1500
P63.5x7.1
16Mo3
A-A
DETAIL "B"
350
OVERLAY WELDING
LOOKING INSIDE
FURNACE FRONT WALL
POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C
FOSTER WHEELER
6318994
DATA LOGGER
ASIAKAS / LAITTEET: Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: ES00
FILE:
ALKUPISTE: GRID START: A001
LOPPUPISTE: GRID END: G268


FURNACE ROOF
500
REF.
J 001
J 268
I 001
I 268
H
500
G 00
500
G 268
F 00
F 268
E 00
D
C
1500
B00
B268
A00
A268
350
OVERLAY WELDING
DETAIL "B"
LOOKING INSIDE
A-E P63.5x7.1 16Mo3
G-K P63.5x10 16Mo3
DATA LOGGER
ASIAKAS / LAITOS: Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: ES00
FILE: A001
ALKUPISTE: GRID START: G268
LOPPUPISTE: GRID END:
1 FURNACE REAR WALL
POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C
FOSTER WHEELER
6319004



DATA LOGGER	
ASIAKAS / LAITOS:	Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: FILE:	ES00
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	C268

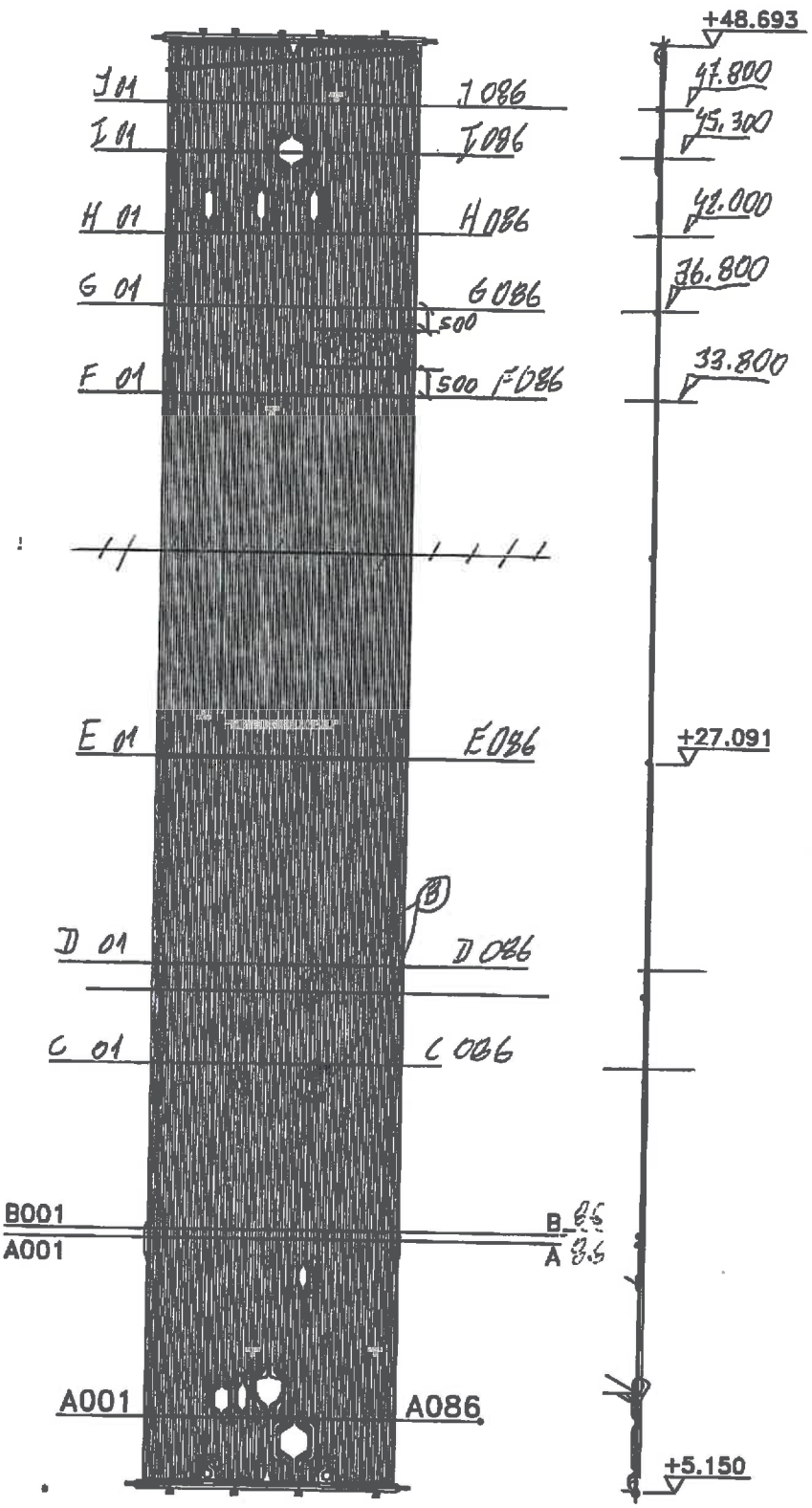
A-C P63.5x7.1
16Mo3

NIMITYS TITLE: 4 FURNACE ROOF

POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

POSTER WHEELER

SUUNN. DESIGNED	MJu/SER	PVM DATE 13.8.11	MITTAKAAVA SCALE	JAOS NRO GROUP NO.	
TARK. CHECKED		PVM DATE		PIIR. NRO	SVG. NO. 6319074
HYV. APPROV.		PVM DATE			



LOOKING INSIDE

P63.5x7.1
16Mo3

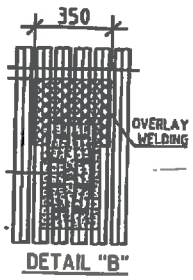
A-A

NIMITYS TITLE	1	FURNACE LEFT SIDE WALL					
		POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C					
		SUUNN. DESIGNED	Mlu/SER	DATE 13.6.11	SUHDE SCALE	LAJIN NRO GROUP NO.	
		TARK. CHECKED		DATE	PIIR. NRO DWG. NO.	6319014	
		HYV. APPROV.		DATE			

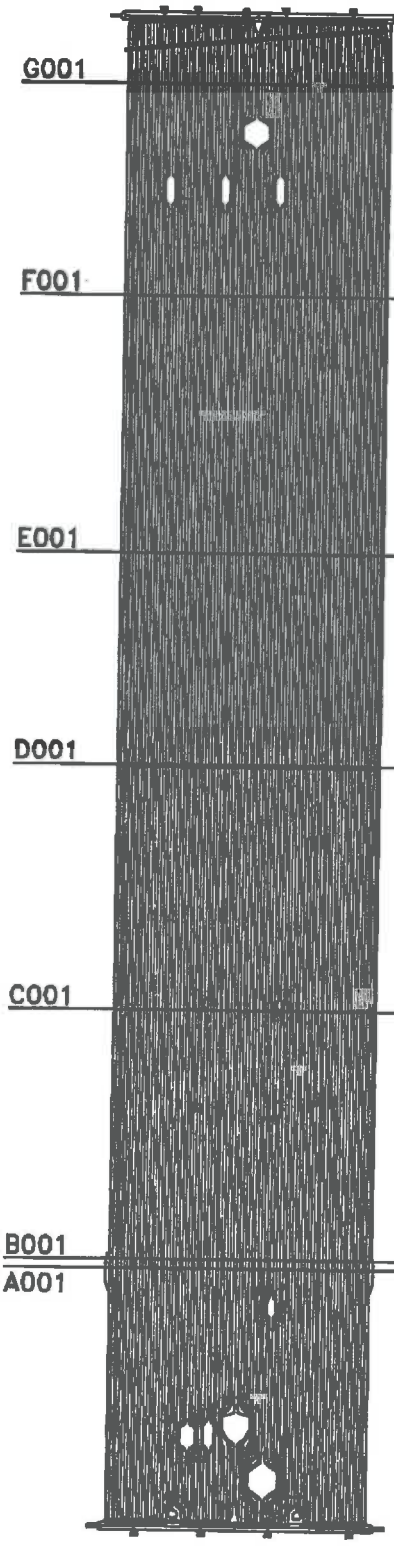
FOSTER WHEELER

DATA LOGGER

ASIAKAS / LAITOS:	Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: FILE:	VS00
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	G086

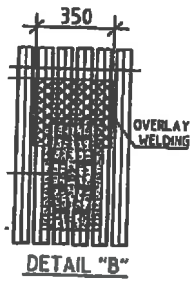


DETAIL "B"



LOOKING INSIDE

A-G P63.5x7.1 16Mo3



DETAIL "B"

DATA LOGGER

ASIAKAS / LAITOS: Polaniec, Poland

OSAN KOODI / MITTAUSAIKA: ES00

FILE:

ALKUPISTE: A001

GRID START:

LOPPUPISTE: G086

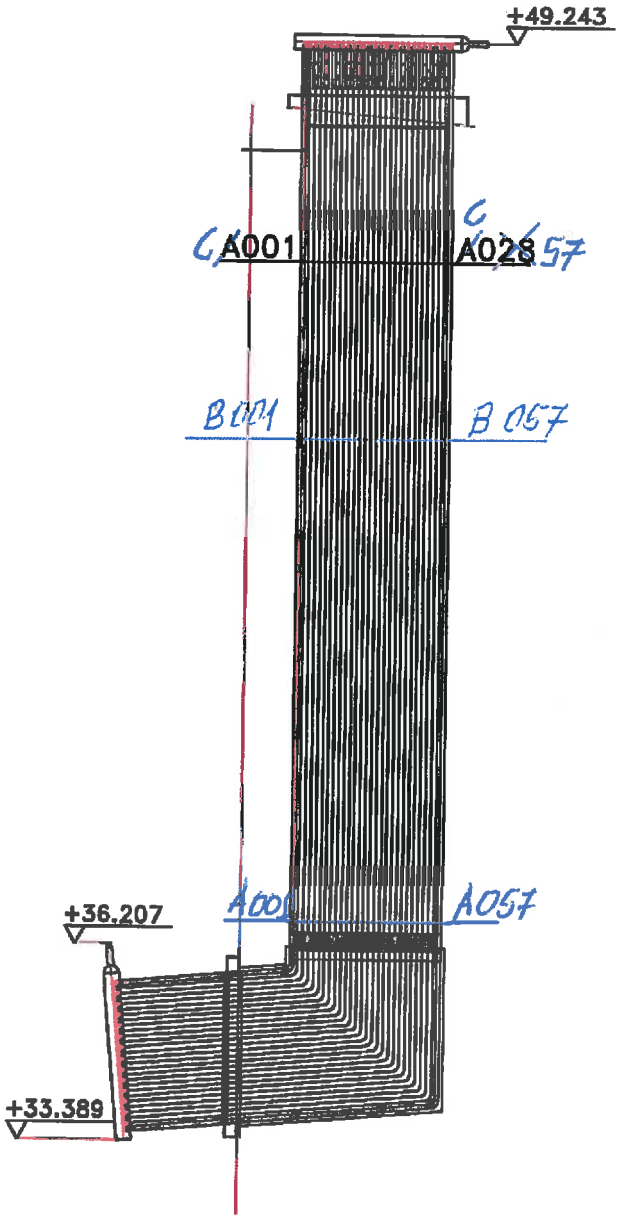
GRID END:

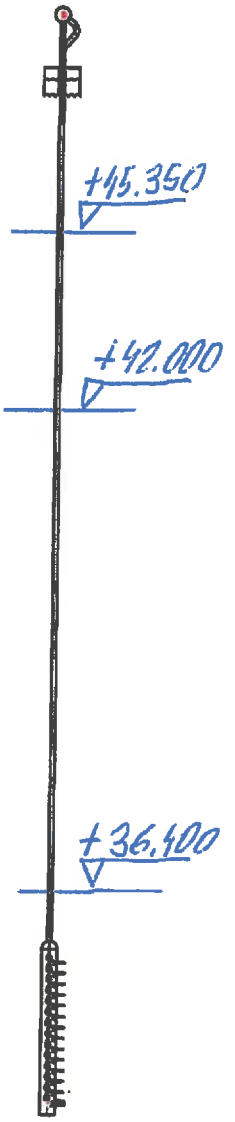
1 FURNACE RIGHT SIDE WALL

POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

FOSTER WHEELER

6319024





A–C P63.5x7.1 16Mo3

NIMIKYS / TITLE	3	EVAPORATIVE WING WALL I / III					
		POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C					
			DRAWN DESIGNED	MAu/SER	CHK'D DATE 13.6.11	SHAPE	
			CHK'D REVIEWED		CHK'D DATE	FOSTER WHEELER	
			MTV APPROV.		CHK'D DATE		

6319044

DATA LOGGER

ASIAKAS / LAITOS: Polaniec, Poland

OSAN KOODI / MITTAUSAIKA: ES00
FILE:

ALKUPISTE: A001
GRID START:

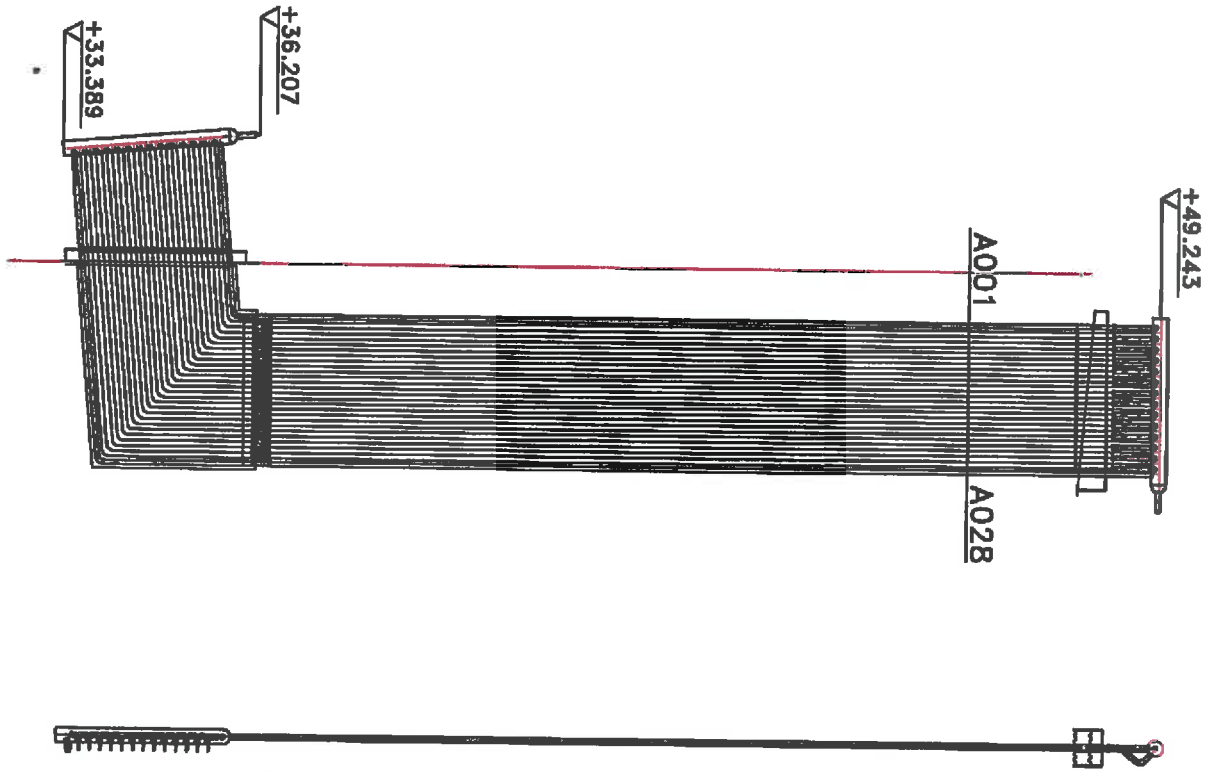
LOPPUPISTE: F028
GRID END:

FRONT WALL

RIGHT WALL

123
111
FRONT WALL

LEFT WALL



DATA LOGGER	
ASIAKAS / LAITOS:	Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: FILE:	ES00
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	F028

A–C P63.5x7.1
16Mo3

NIMITYS TITLE: 3 EVAPORATIVE WING WALL II

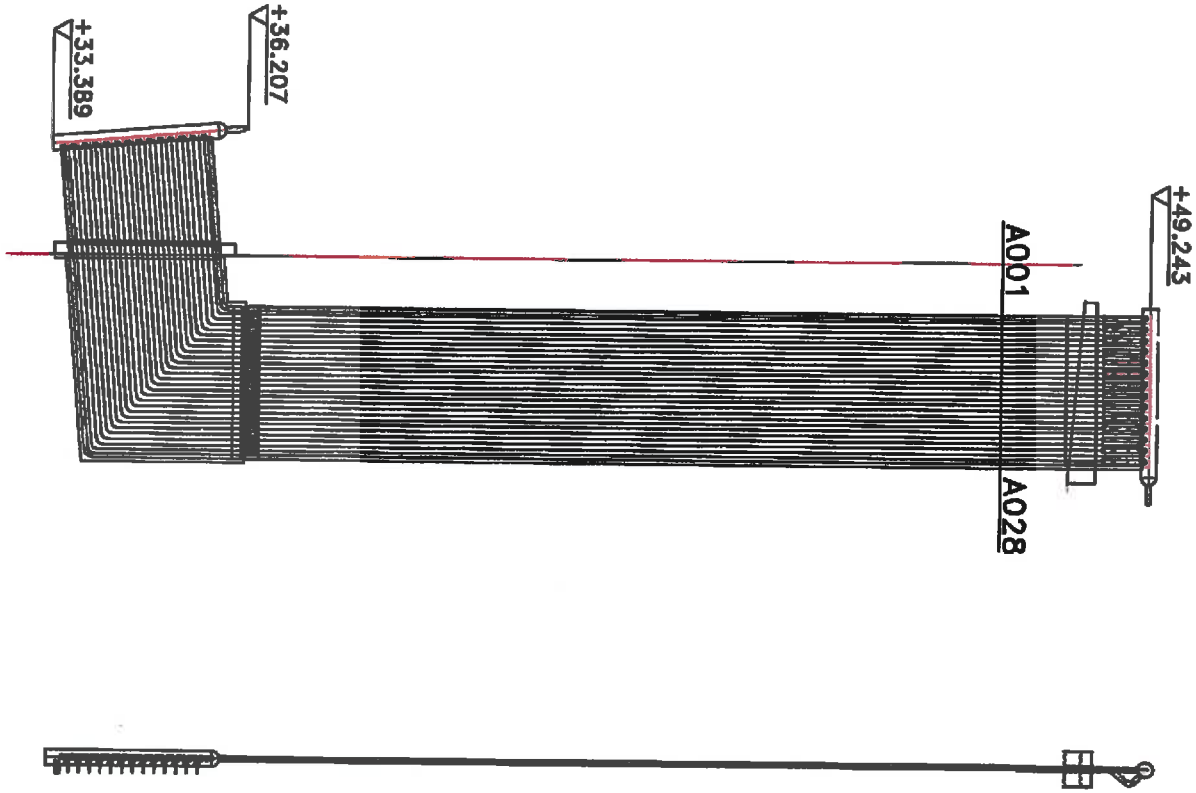
POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

POSTER WHEELER

SUUNN. DESIGNED	MJu/SER	PVM DATE 13.6.11	SUHDE SCALE
TARK. CHECKED		PVM DATE	
HYV. APPROV.		PVM DATE	

JAKS NRO GROUP NO.

PIIR. NRO DWG. NO. 6319054



DATA LOGGER	
ASIAKAS / LAITOS:	Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: FILE:	ES00
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	F028

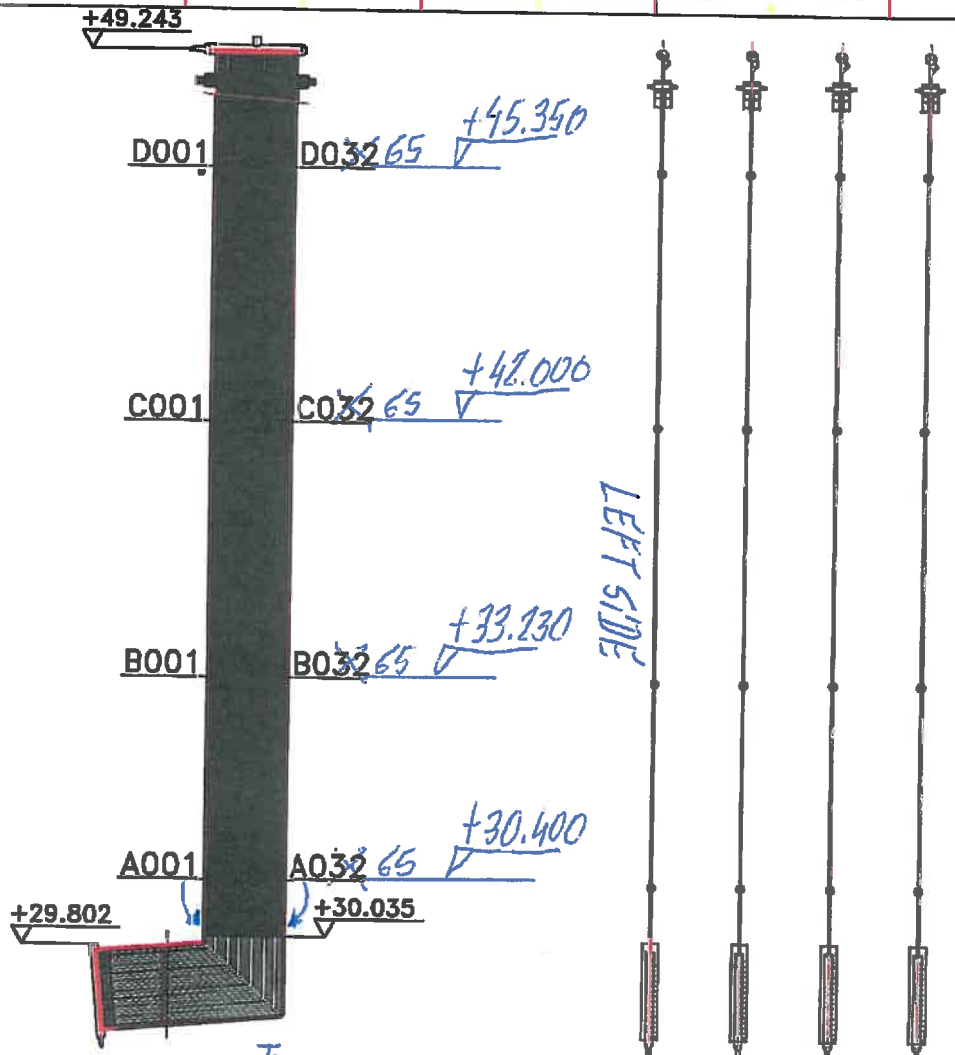
A-C P63.5x7.1
16Mo3

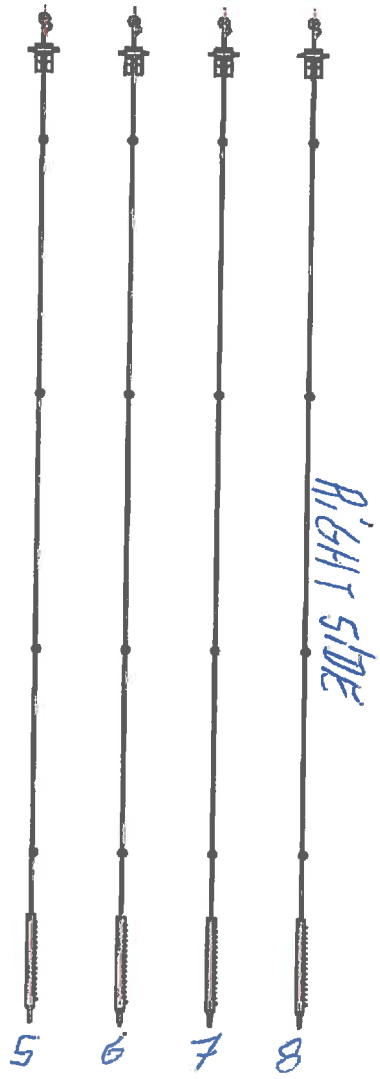
NIMITYS TITLE: 3 EVAPORATIVE WING WALL III

POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

FOSTER WHEELER

SUUNN. DESIGNED	MJu/SER	PVM DATE 13.6.11	SUHDE SCALE	JAKS. NRO GROUP NO.
TARK. CHECKED		PVM DATE		PIIR. NRO DWG. NO. 6319064
HYV. APPROV.		PVM DATE		

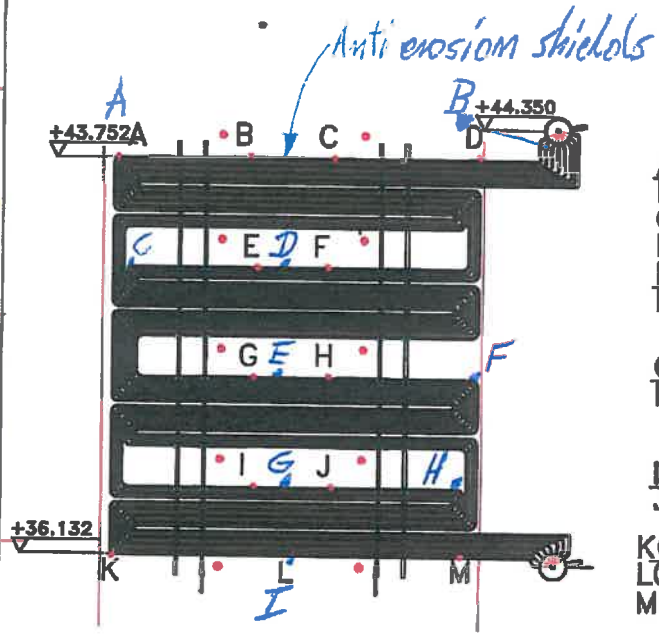


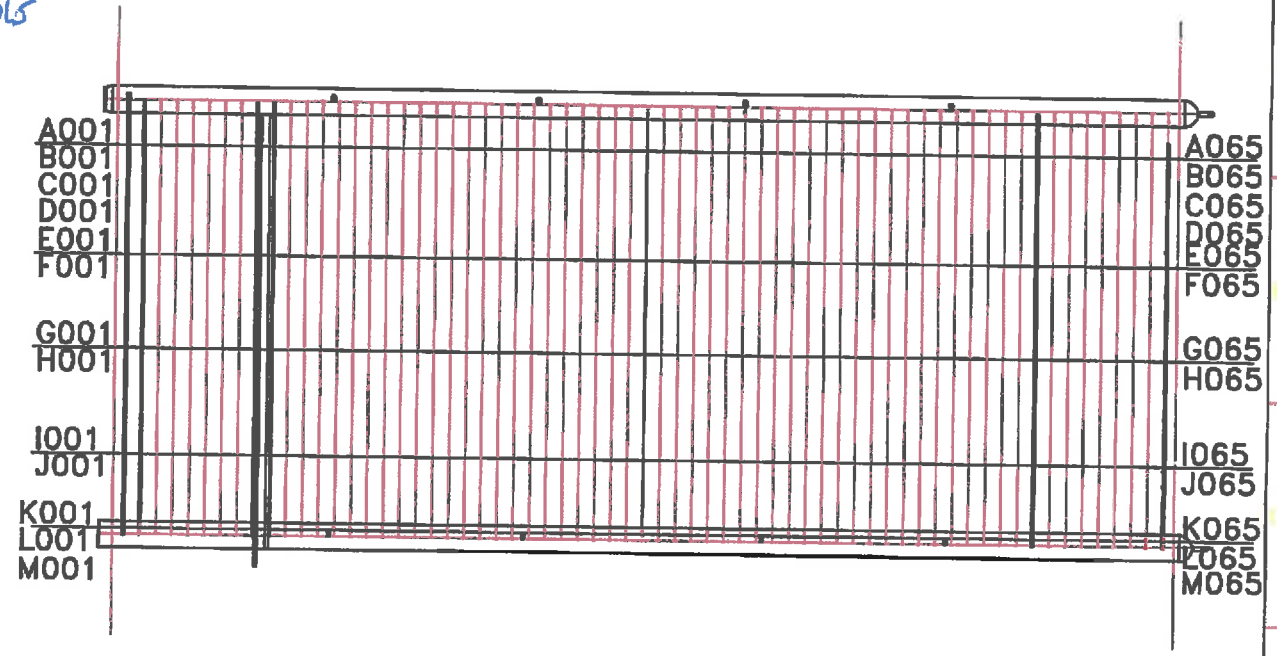


DATA LOGGER	
ASIAKAS / LAITOS:	Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: FILE:	ES00
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	D032

A–D P38x6.3
13CrMo4-5

NIMITYS TITLE	2	WING WALL SUPERHEATER I			
POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C					
FOSTER WHEELER	SUUNN. DESIGNED	MJu/SER	PVM. DATE 13.8.11	SUHDE SCALE	JARJ. NRO GROUP NO.
	TARK. CHECKED		PVM. DATE	PIIR. NRO	DWG. NO. 6319034
	HYV. APPROV.		PVM. DATE		





DATA LOGGER	
ASIAKAS / LAITOS:	Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: FILE:	SH II
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	N065

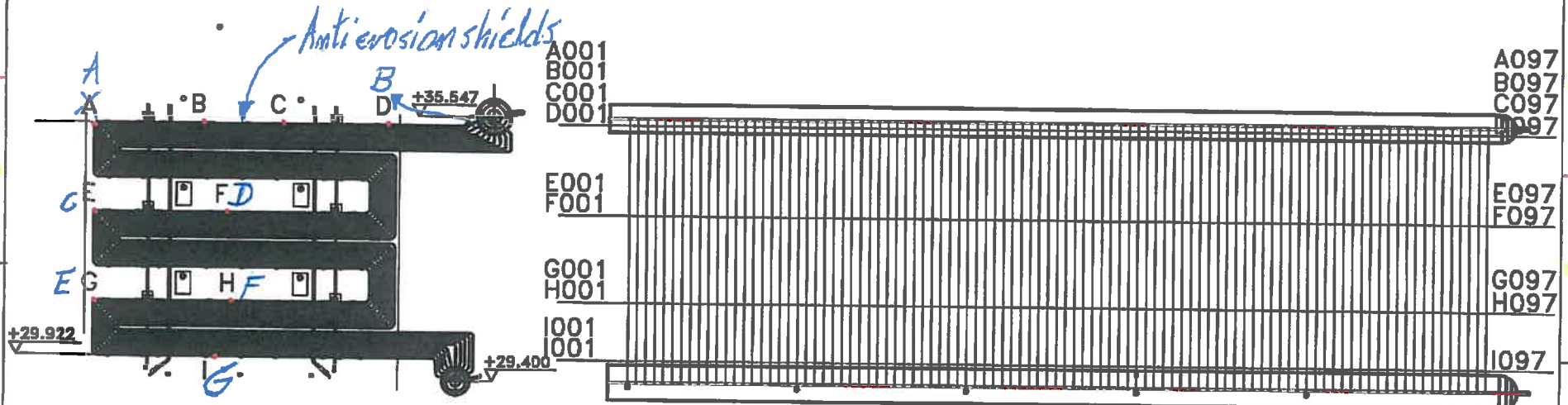
A-M P38x5.6
X7CrNiNb18-10

NIMITYS TITLE: 5 SUPERHEATER II

POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

POSTER WHEELER

SUUNN. DESIGNED	MJu/SER	PVM DATE	13.8.11	SUHDE SCALE	JAKS NRO GROUP NO.
TARK. CHECKED		PVM DATE			PIIR. NRO DWG. NO. 6319084
HYV. APPROV.		PVM DATE			



DATA LOGGER	
ASIAKAS / LAITOS:	Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: FILE:	ES00
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	I097

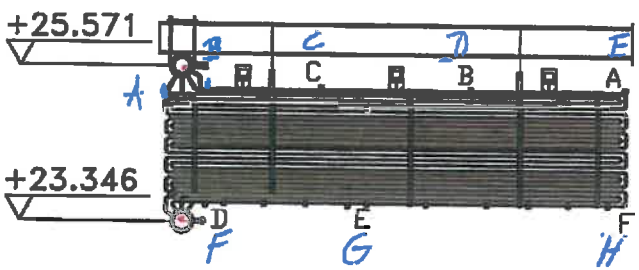
A-I P38x5.6
X7CrNiNb18-10

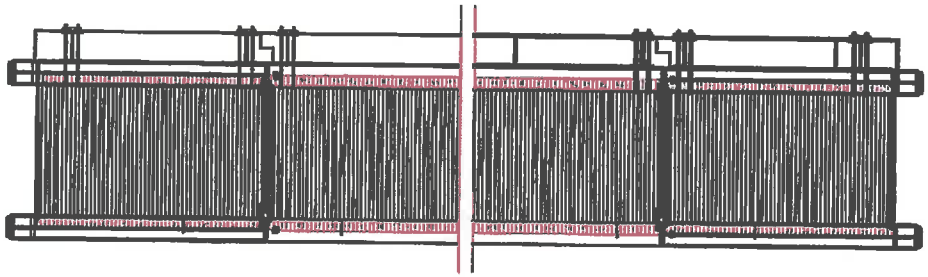
NIMITYS TITLE: 6 REHEATER I

POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

FOSTER WHEELER

SUUNN. DESIGNED	MJu/SER	PVM. DATE 13.6.11	SUHDE SCALE		
TARK. CHECKED		PVM. DATE		PIIR. NRO	MUTS. NRO GROUP NO. DWG. NO.
HYV. APPROV.		PVM. DATE			6319094





DATA LOGGER	
ASIAKAS / LAITOS:	Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: FILE:	ECO II
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	F334

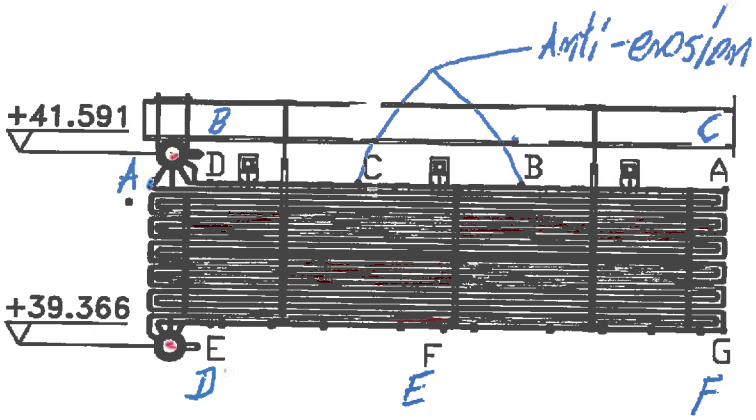
A-F P31.8x4.5
16Mo3

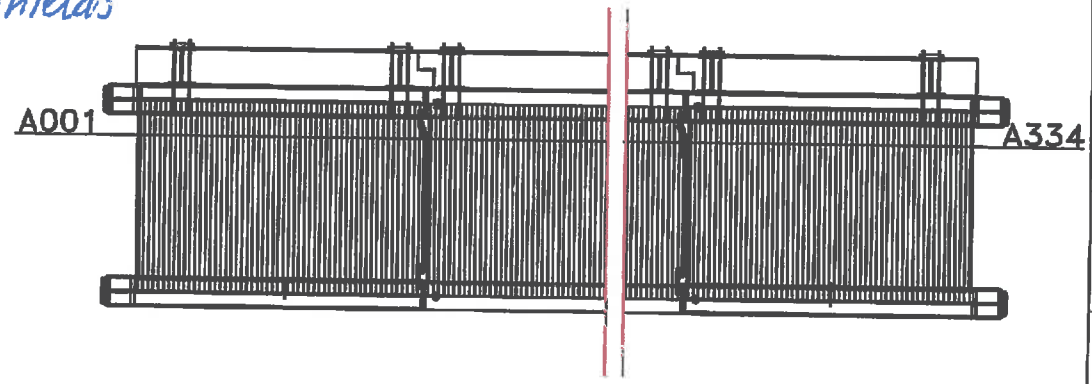
NIMITYS TITLE: 9 ECONOMIZER I

POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

POSTER WHEELER

SUUNN. DESIGNED	M.Ju/SER	FVH DATE 13.6.11	SUHDE SCALE	JADIS NRO GROUP NO.	
TARK. CHECKED		FVH DATE		PIIR. NRO DWG. NO.	6319124
HYV. APPROV.		FVH DATE			





DATA LOGGER	
ASIAKAS / LAITOS:	Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: FILE:	ECO II
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	G334

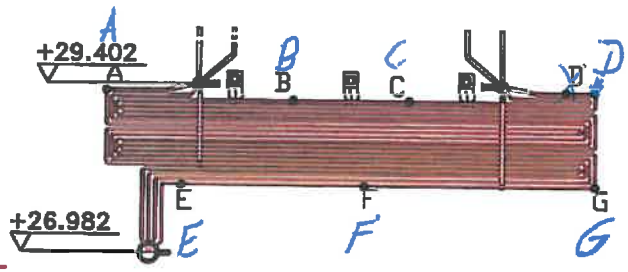
A-G P31.8x4.5
16Mo3

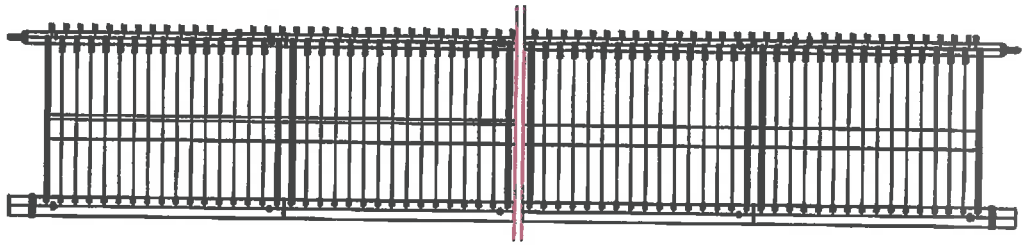
NIMITYS TITLE: 8 ECONOMIZER II

POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

FOSTER WHEELER

SUUNN. DESIGNED:	MJu/SER	PVM DATE: 13.6.11	MITTAKAAVA SCALE:	JAOS NRO GROUP NO.
TARK. CHECKED:		PVM DATE:		PIIR. NRO DWG. NO. 6319114
HYV. APPROV.:		PVM DATE:		





DATA LOGGER	
ASIAKAS / LAITOS:	Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: FILE:	ECO III
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	G097

A-G P31.8x4.5
16Mo3

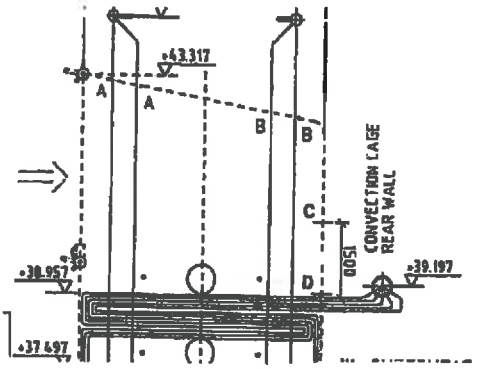
NIMITYS TITLE: 7 ECONOMIZER III

POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

FOSTER WHEELER

SUUNN. DESIGNED	MJu/SER	PVM DATE 13.6.11	SUHDE SCALE	
TARK. CHECKED		PVM DATE		
HYV. APPROV.		PVM DATE		

PIIR. NRO DWG. NO. 6319104



C001 C196

B001 B196

C A001 C A196

D001 150 D196

E001 E196

1:196 1:196 + ROOF

B A

A–C P51x6.3 13CrMo4-5

+45.047 +45.000

+43.885

+35.732

+27.552

LOOKING INSIDE

10 CONVECTION CAGE REAR WALL + ROOF
POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

FOSTER WHEELER

6319134

DATA LOGGER

ASIAKAS / LAITOS: Polaniec, Poland

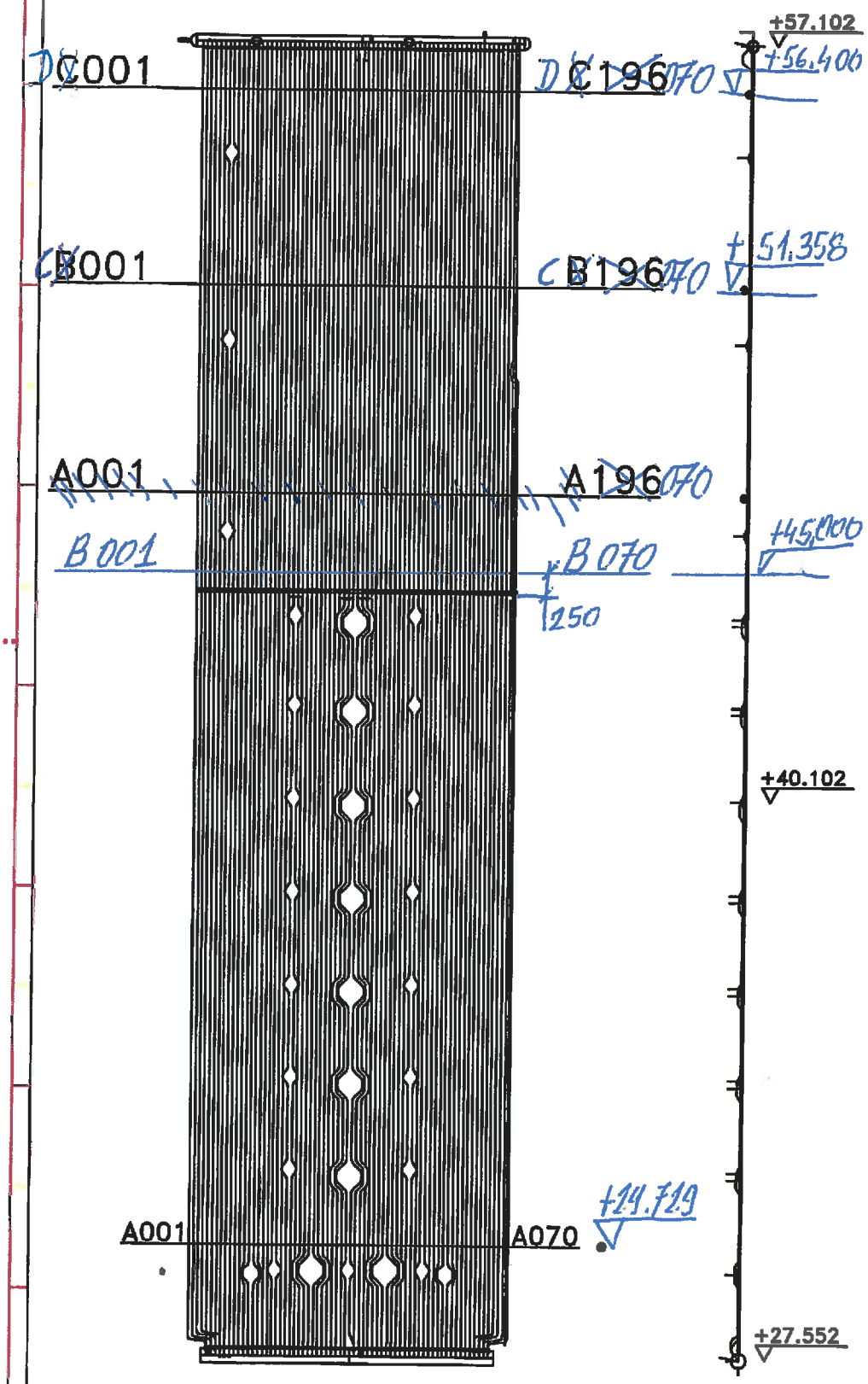
OSAN KOODI / MITTAUSAIKA: ES00

ALKUPISTE: A001

GRID START:

LOPPUPISTE: C196

GRID END:



LOOKING INSIDE
LEFT SIDE

A–C P51x6.3 13CrMo4-5

10 CONVECTION CAGE RIGHT SIDE WALL
POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

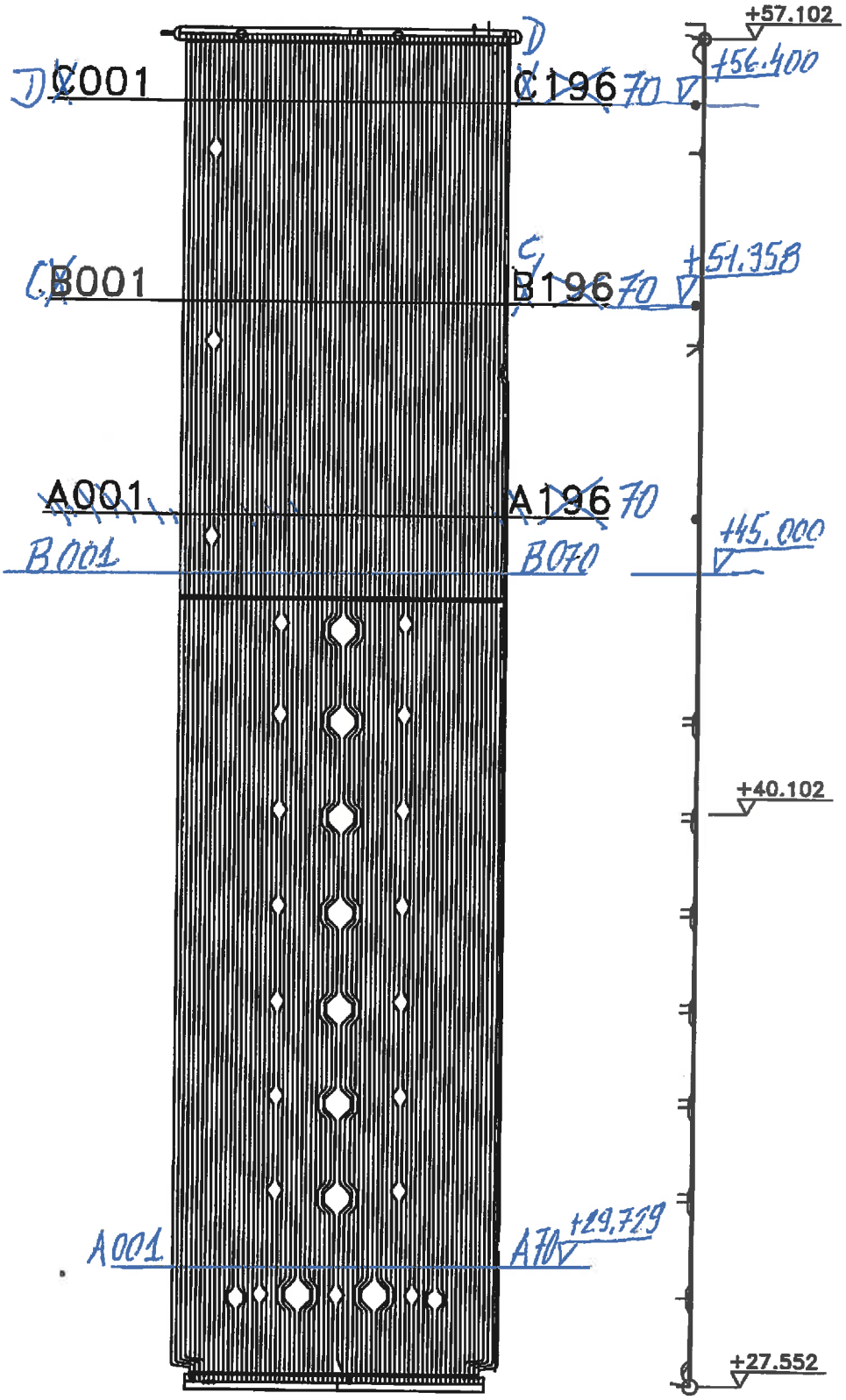
POSTER WHEELER

DRAWN DESIGNED: MJu/SER DATE 13.6.11
CHECKED: DATE
APPROV.: DATE

6319154

DATA LOGGER

ASIAKAS / LAITOS: Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: ES00
FILE:
ALKUPISTE: A001
GRID START:
LOPPUPISTE: F070
GRID END:



LOOKING INSIDE
LEFT SIDE

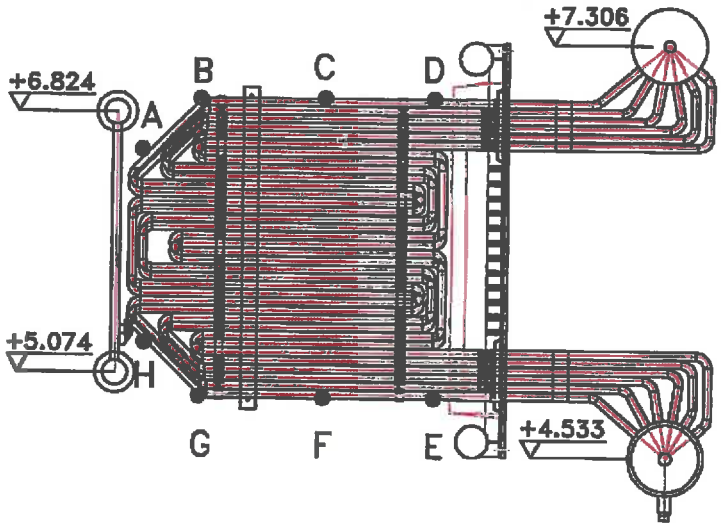
DATA LOGGER

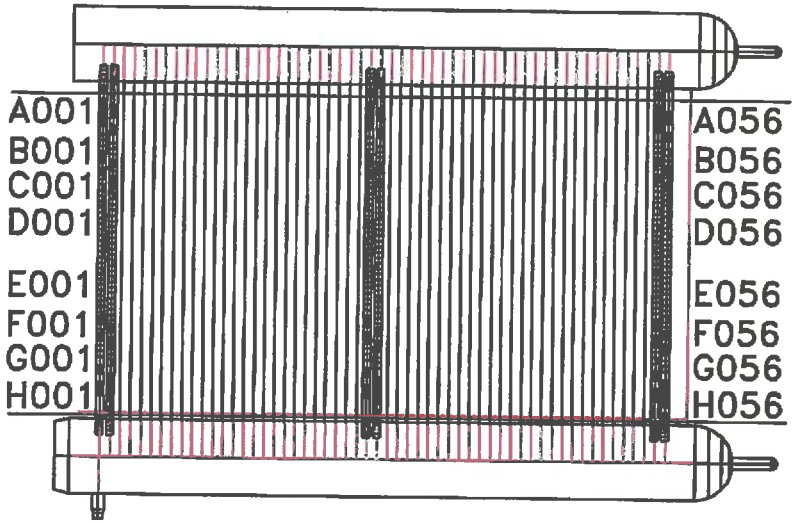
ASIAKAS / LAITOS: Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: ES00
FILE:
ALKUPISTE: A001
GRID START:
LOPPUPISTE: C070
GRID END:

10 CONVECTION CAGE LEFT SIDE WALL
POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C
A-C P51x6.3 13CrMo4-5

FOSTER WHEELER

6319144





DATA LOGGER	
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OSAN KOODI / MITTAUSAIKA: FILE:	ES00
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	H056

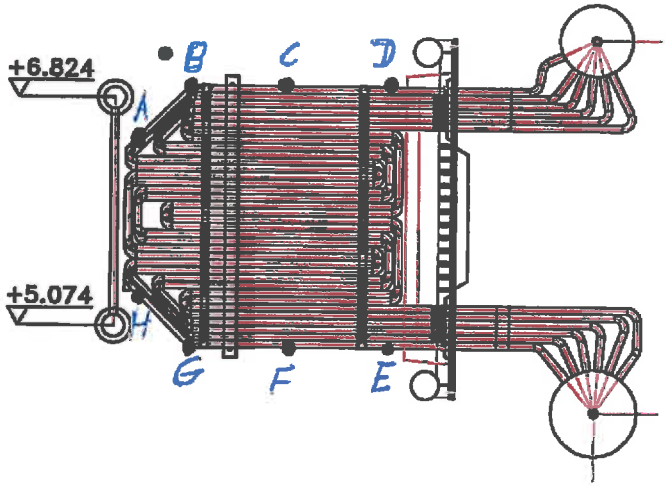
A–H P51x8
X8CrNi19–11

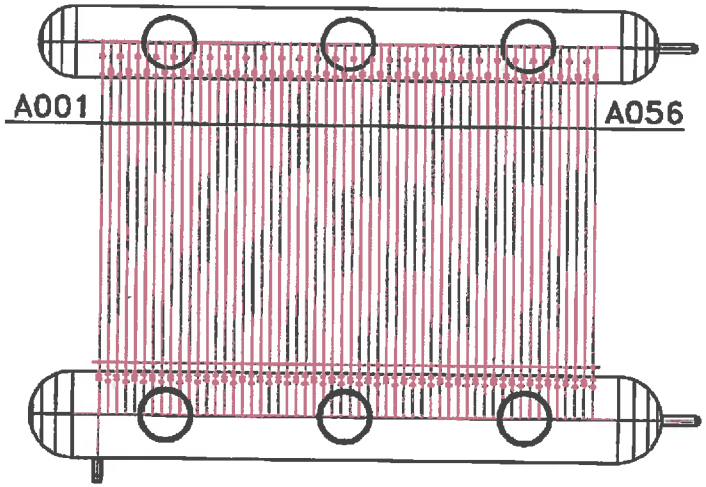
NIMITYS TITLE 13 INTREX SUPERHEATER III

POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

FOSTER WHEELER

SUUNN. DESIGNED	MJu/SER	PVM DATE 13.6.11	SUHDE SCALE		
TARK. CHECKED		PVM DATE	PIIR. NRO	JWG. NO.	
HYV. APPROV.		PVM DATE	6319184		





DATA LOGGER	
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OSAN KOODI / MITTAUSAIKA: FILE:	ES00
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	F056

A-C P51x7.1
X8CrNi19-11

NIMITYS TITLE	11 INTREX REHEATER II A					
POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C						
FOSTER WHEELER	SUUNN. DESIGNED	MJu/SER	PVM DATE 13.6.11	SUHDE SCALE	MOS NRO GROUP NO.	
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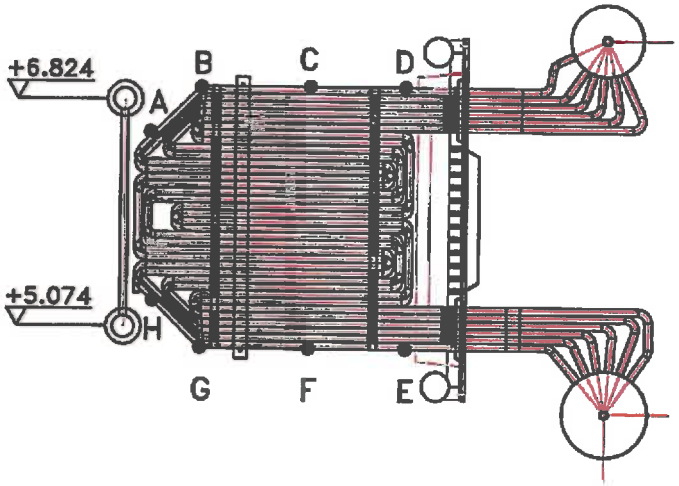

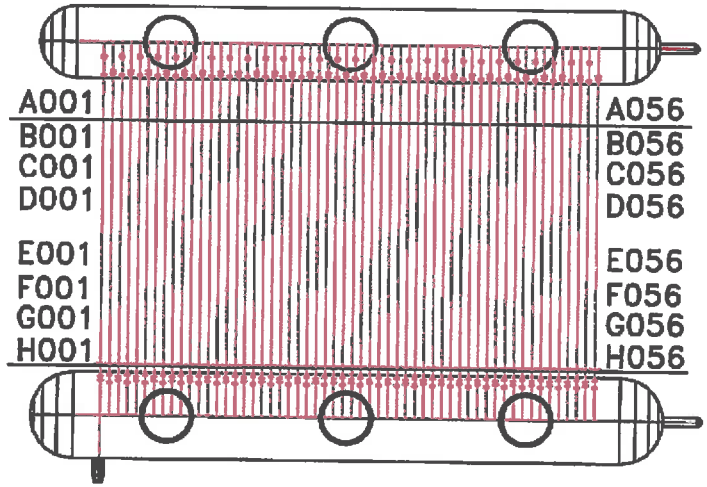

DATA LOGGER	
ASIAKAS / LAITOS:	Polaniec, Poland
OSAN KOODI / MITTAUSAIKA: FILE:	ES00
ALKUPISTE: GRID START:	A001
LOPPUPISTE: GRID END:	H56

A-H P51x7.1
X8CrNI19-11

NIMITYS TITLE 12 INTREX REHEATER II B

POLANIEC Green Unit, CFB 158.3/135.1kg/s, 127.5/19.5bar, 535/535°C

FOSTER WHEELER

SUUNN. DESIGNED	MJu/SER	PVM. DATE 13.8.11	MITTAS. SUHDE SCALE	JAUS NRO GROUP NO.	
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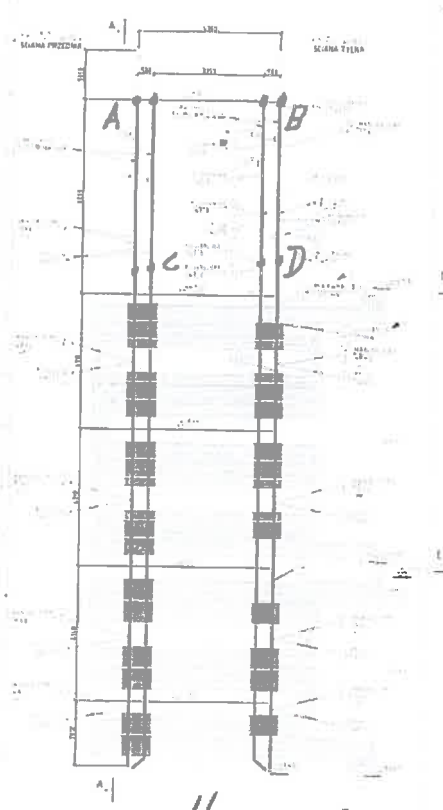
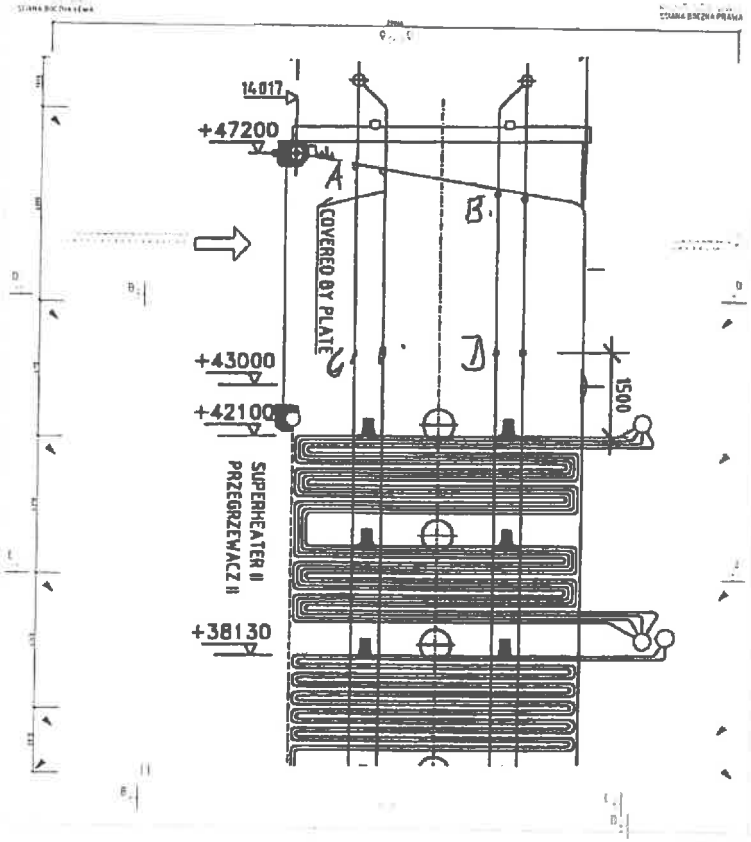
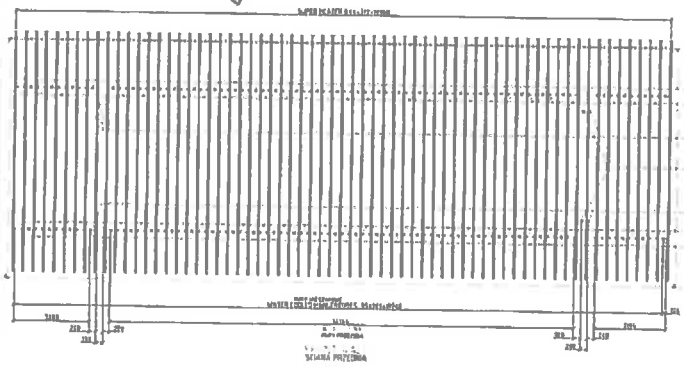
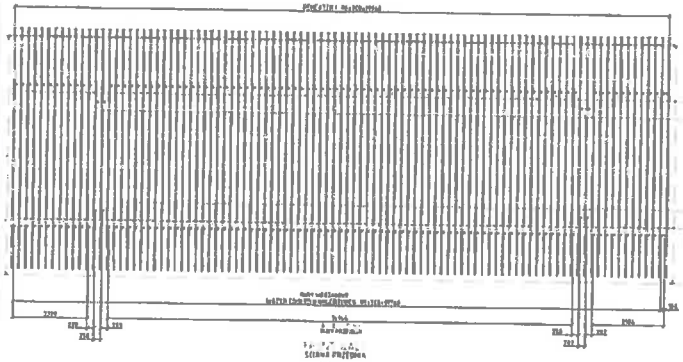
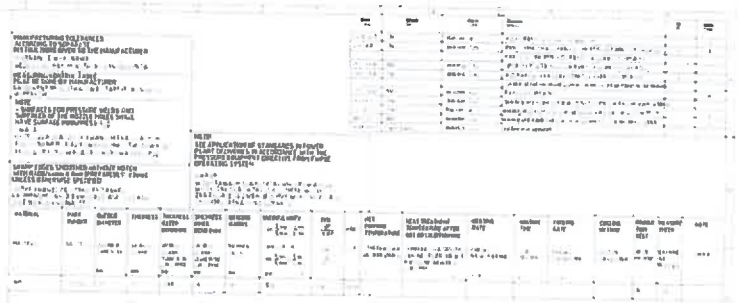
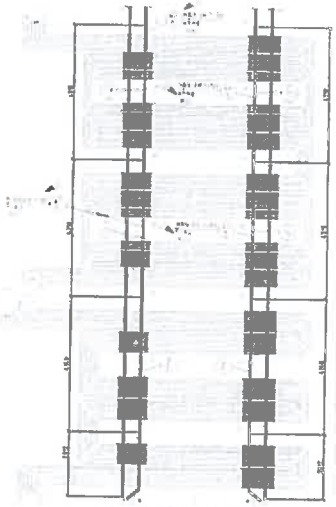
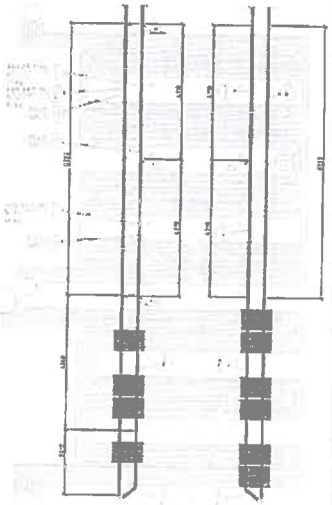
HYV. APPROV.		PVM. DATE			





Hanger TUBES