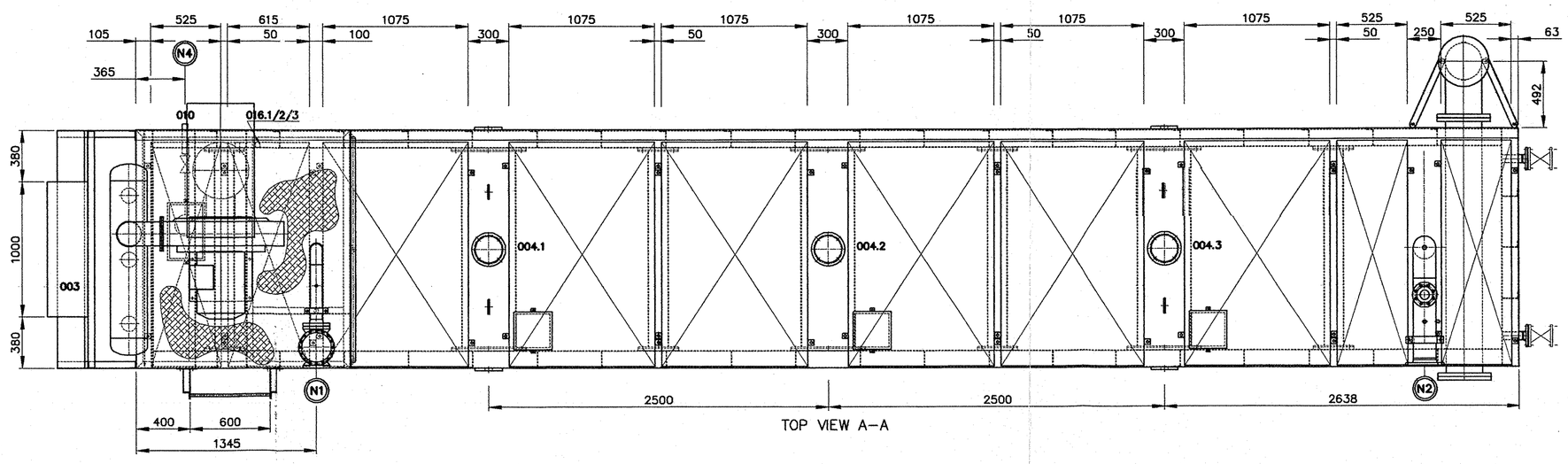
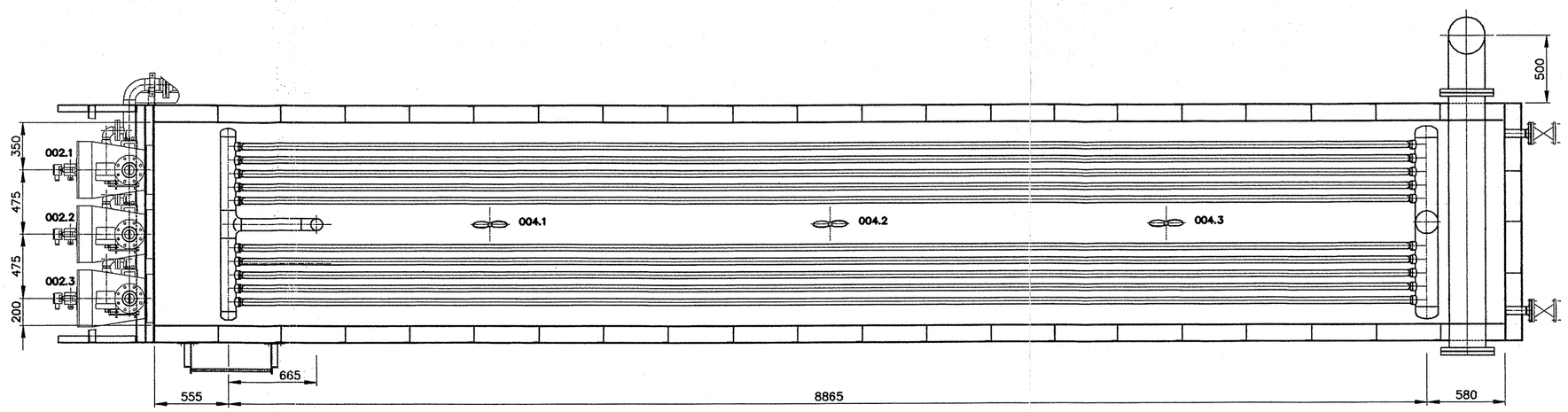
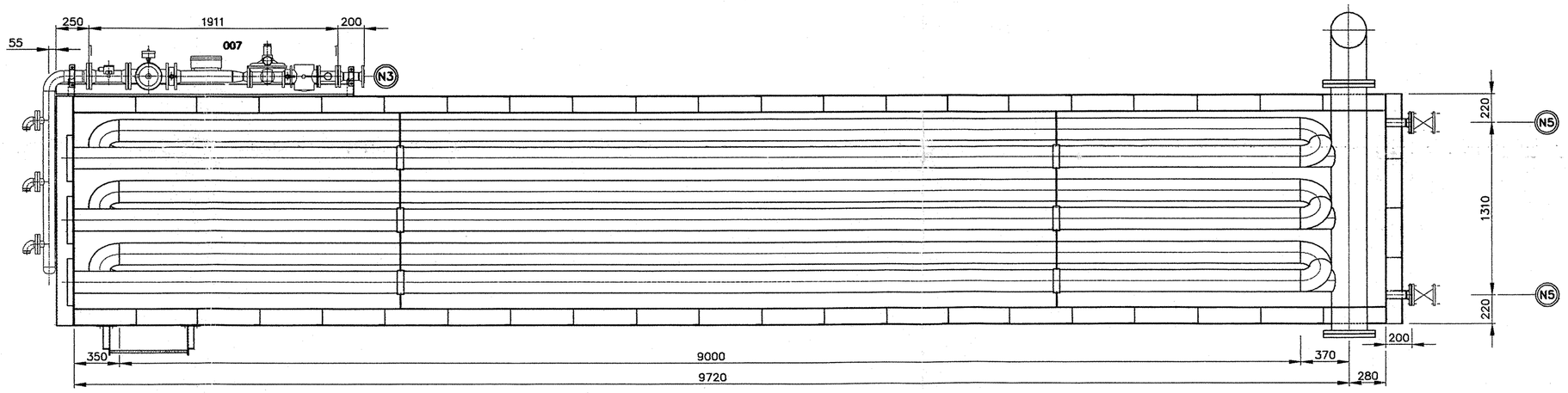


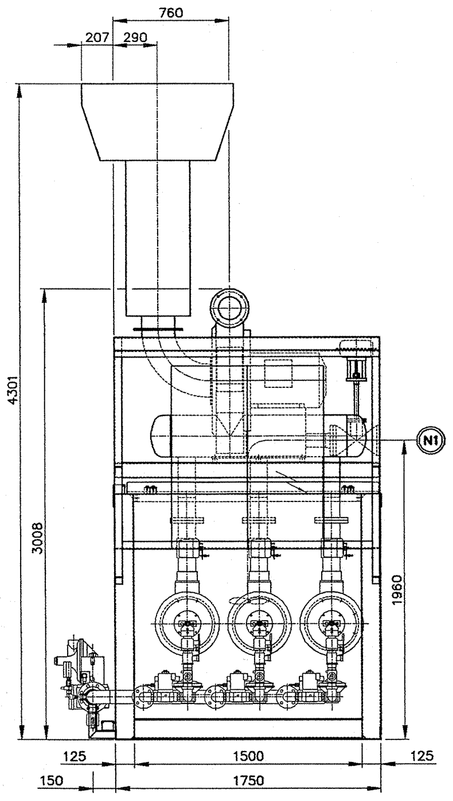
TOP VIEW A–A

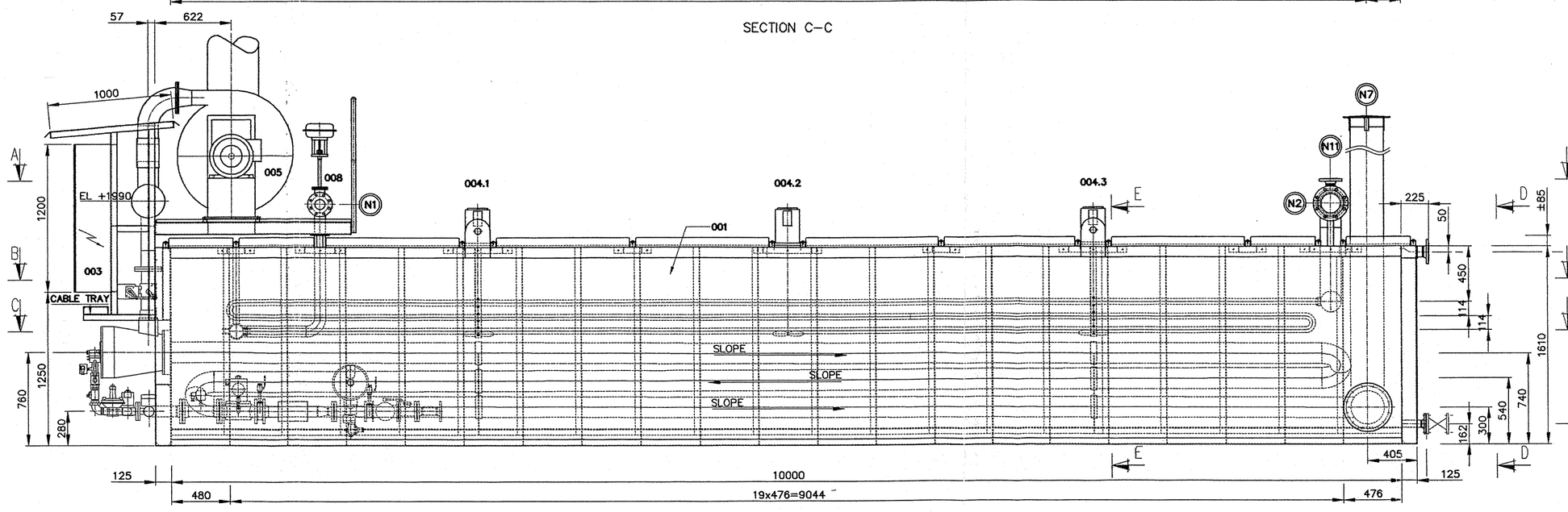


SECTION B–B

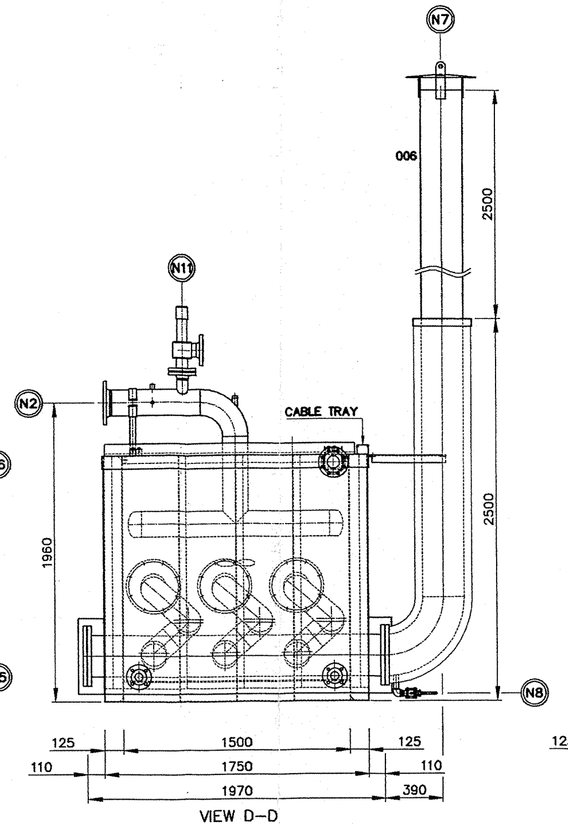


SECTION C–C

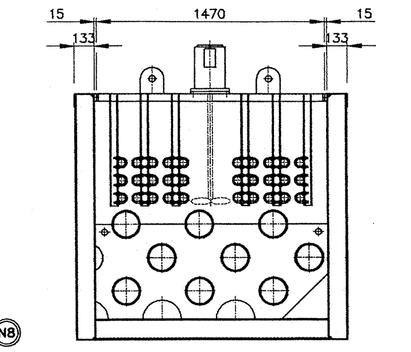




SIDE VIEW



VIEW D–D



SECTION E–E

NOZZLE CONNECTIONS

POS.	DESCRIPTION	DN	REMARKS
N1	LIQUID NITROGEN INLET	DN80	PN40–DIN2635
N2	GASEOUS NITROGEN OUTLET	DN150	PN40–DIN2635
N3	NATURAL GAS INLET	DN50	PN16–DIN2633
N4	WATER INLET	1"BSP	–
N5	WATER OUTLET/ DRAIN (2x)	DN50	PN16–DIN2633
N6	OVERFLOW / VENT	DN80	PN16–DIN2633
N7	BURNER EXHAUST	10"	PN10–DIN2576
N8	CONDENSATE DRAIN	1"BSP	–
N9	LEVEL SWITCH CONNECTION (3x)	3/4"BSP	–
N10	TEMP SWITCHES (5x)	½"BSP	–
N11	SAFETY VALVE (SUPPLY CUSTOMER)	DN65	PN40–DIN2635

GENERAL NOTES

MEDIUM : N_2
CAPACITY : 16.000 $Nm^3/hr.$
WATER TEMPERATURE : 60°C

COIL:

DESIGN PRESSURE : 16 BAR
MAX. WORKING PRESSURE : 16 BAR
TEST PRESSURE : 23 BAR WITH WATER
MIN./MAX. WORKING TEMP. : −196°/+80°C
DESIGN TEMP. : −196°/+80°C
CONTENTS : ±390 LTR.
CORROSION ALLOWANCE : 0
MATERIAL COIL : 1.4404
WELDING CONSUMABLE MAT. : ER 316LSi
MATERIALDOCUMENTATION : ACCORDING TO EN 10204 – 3.1.B
NON DESTRUCTIVE TESTING : 10% X–RAY
DESIGN NORM : ACC. TO ASME (LATEST EDITION)
WELDS PICKLED AND PASSIVATED

VESSEL:

DESIGN PRESSURE : ATM.
TEST PRESSURE : HYDROSTATIC WITH WATER
MIN./MAX. WORKING TEMP. : 0°/+80°C
DESIGN TEMP. : 0°/+80°C
CONTENTS : ±17.900 LTR.
MATERIAL : AISI–304(L)
WELDS PICKLED AND PASSIVATED
VESSEL PROVIDED WITH INSULATION 120 MM ROCKWOOL AND STUCO PLATE

WEIGHTS

VAORISER TANK	: 4000 kg
INSULATION + STUCCO PL.	: 1000 kg
COVERS	: 500 kg
GAS COIL	: 1200 kg
BURNER COIL	: 1550 kg
VENTILATOR	: 500 kg
MIXER (3x100kg)	: 300 kg
GAS BURNER (3x130kg)	: 390 kg
PLATFORM+ROOF+LADDER	: 275 kg
CONTROL PANEL	: 250 kg
PIPING & MISCELLANEOUS	: 285 kg
TOTAL WEIGHT (APPROX.) EMPTY	: 10250 kg
TOTAL WEIGHT (APPROX.) FILLED WITH WATER (NLL)	: 28150 kg

REMARK:

* FOR P&ID SEE DRWG CN4518–2

NR.	QUANT.	NAME/DESCRIPTION	DRWG.	MATERIAL	REMARKS
B		SEVERAL CHANGES		W.D.	PvT 27–09–2004
A		SEVERAL CHANGES		W.D.	PvT 07–09–2004
REV.		DESCRIPTION		DRWN	CHK DATE

INDIRECT FIRED WATER BATH VAP.
GENERAL ARRANGEMENT

DRWN.: W.D. SCALE: 1:20
CHECKED: DATE: 06–09–04
CAD WR: I:\...\CN04024\1\GA.dwg

cryonorm

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CN4185–1

REPLACES:.

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