

SUMMARY

2. GAS TURBINE ACCESSORIES

- 2.1. DEVICES LOCATION FROM PIPING DIAGRAM
- 2.1.1. CONTROL DEVICES TURBINE
- 2.1.2. LUBE OIL SYSTEM
- 2.1.3. COOLING AND SEALING AIR SYSTEM
- 2.1.4. TRIP OIL SYSTEM
- 2.1.5. COOLING WATER SYSTEM
- 2.1.6. STARTING MEANS SYSTEM
- 2.1.7. FUEL GAS SYSTEM
- 2.1.8. LIQUID FUEL SYSTEM
- 2.1.9. ATOMIZING AIR SYSTEM
- 2.1.10. FIRE PROTECTION SYSTEM
- 2.1.11. HYDRAULIC SUPPLY SYSTEM
- 2.1.12. FLOW, HEATING AND VENTILATING SYSTEM
- 2.1.13. COMPRESSOR AND/OR TURBINE WASHING SYSTEM
- 2.1.14. WATER INJECTION SYSTEM
- 2.1.15. I.G.V. SYSTEM
- 2.1.16. GAS DETECTION SYSTEM
- 2.1.17. PURGE FUEL SYSTEM
- 2.1.18. PERFORMANCE MONITOR

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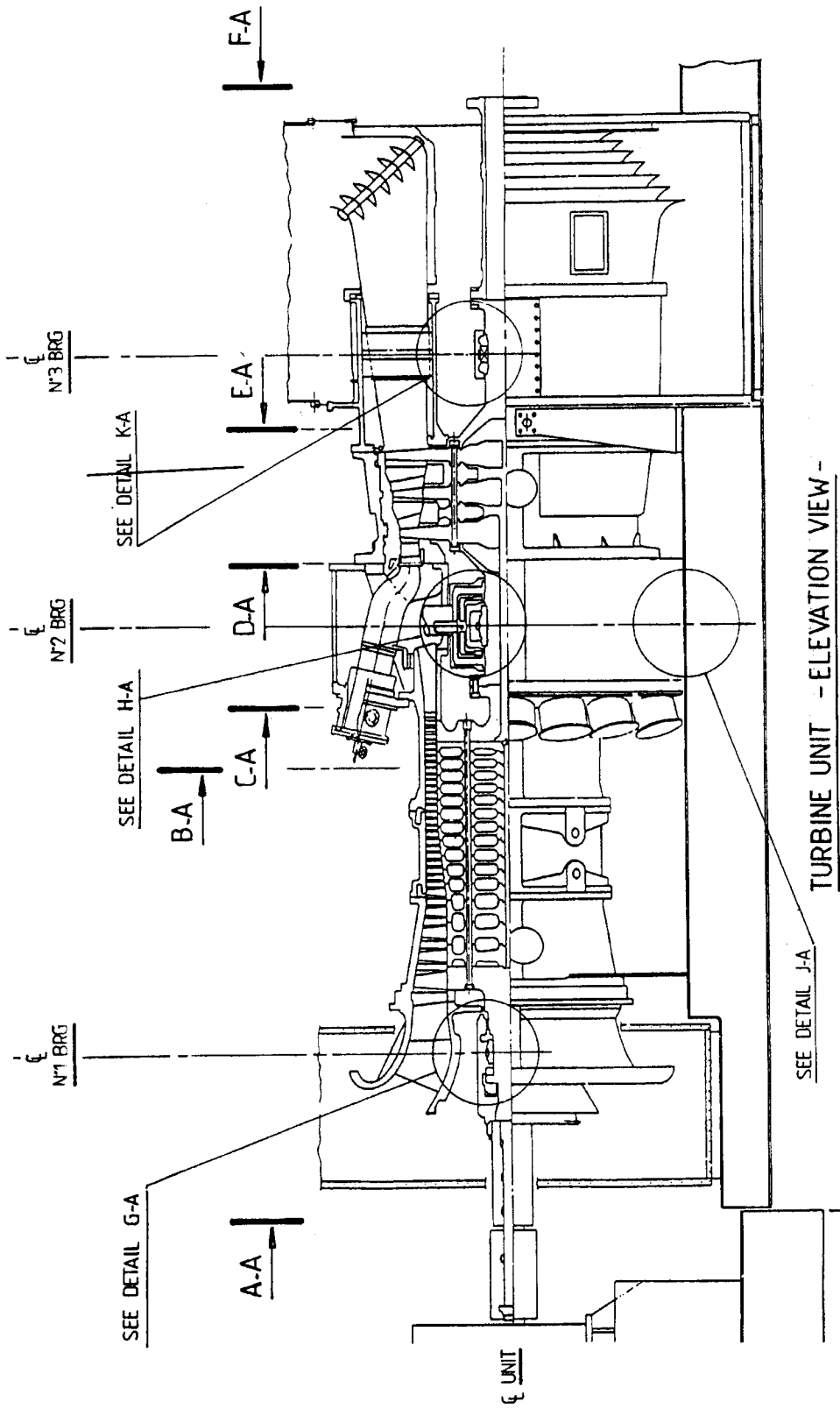
DRAWINGS

- CONTROL DEVICES TURBINE -

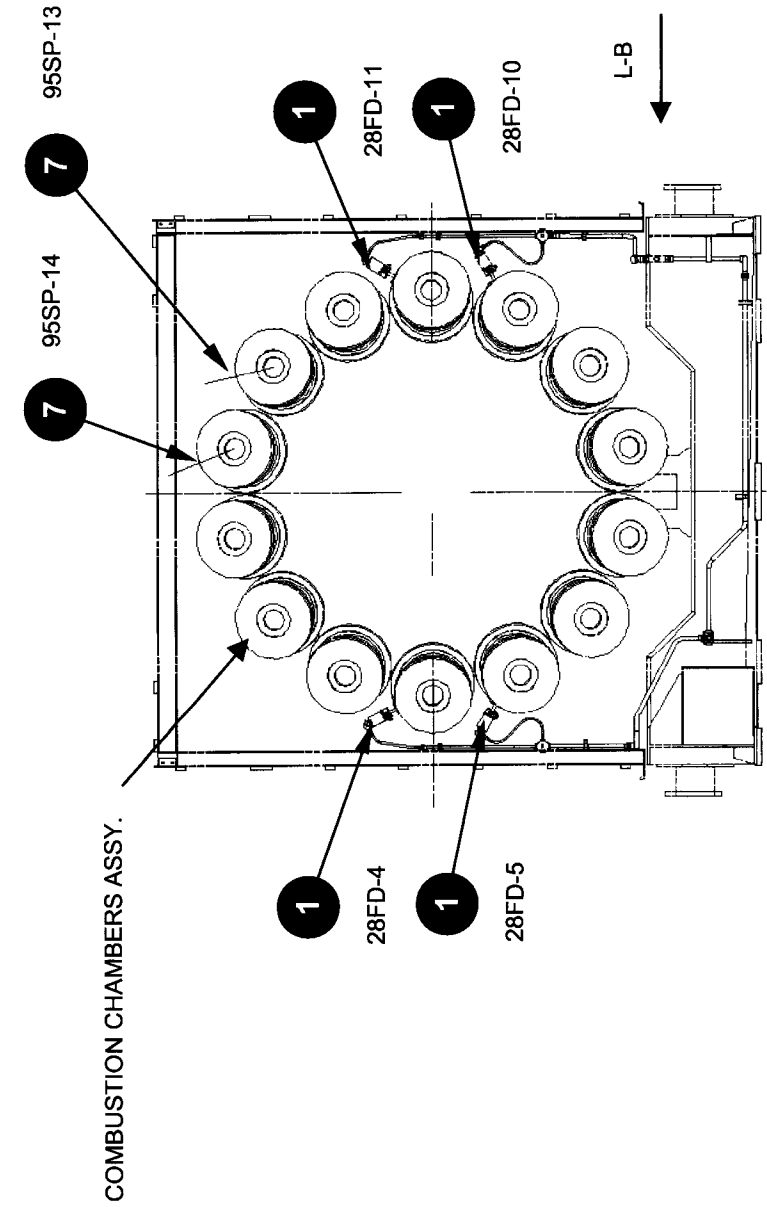
PART	NOMENCLATURE	
1	28FD-4, 5,10, 11	Flame detector - combustion chambers # 4, 5, 10, 11
2	39V-1A, 1B	Vibration sensor # 1 bearing
3	39V-2A	Vibration sensor # 2 bearing
4	39V-3A, 3B	Vibration sensor # 3 bearing
5	77NH-1, 2, 3	High pressure set magnetic pickup (speed control)
6	77HT-1, 2, 3	High pressure set magnetic pickup (speed control)
7	95SP-13, 14	Spark plug - combustion chambers # 13, 14
8	95TR-13, 14	Ignition transformer for 95 SP-13, 14
9	BT-J1-1A, 1B 2A, 2B	Bearing metal temperature - turbine bearing # 1
10	BT-J2-1A, 1B 2A, 2B	Bearing metal temperature - turbine bearing # 2
11	BT-J3-1A, 1B 2A, 2B	Bearing metal temperature - turbine bearing # 3
12	BT-TA1-2A, 2B 5A, 5B 8A, 8B	Bearing metal temperature - thrust active
13	BT-TI1-2A, 2B 5A, 5B 9A, 9B	Bearing metal temperature - thrust inactive
14	CT-DA-1, 2	Compressor temperature - discharge annulus
15	CT-IF-1, 2	Compressor temperature - inlet flange
16	TT-IB-1	Turbine temperature - inner barrel # 3 bearing
17	TT-WS1FI-1, 2	Turbine temperature - wheelspace 1st stage forward (inner)
18	TT-WS1AO-1, 2	Turbine temperature - wheelspace 1st stage aft (outer)
19	TT-WS2FO-1, 2	Turbine temperature - wheelspace 2nd stage forward (outer)
20	TT-WS2AO-1, 2	Turbine temperature - wheelspace 2nd stage aft (outer)
21	TT-WS3FO-1, 2	Turbine temperature - wheelspace 3rd stage forward (outer)
22	TT-WS3AO-1, 2	Turbine temperature - wheelspace 3rd stage aft (outer)
23	TT-XD-1 T 24	Turbine temperature - exhaust duct

DRAWINGS

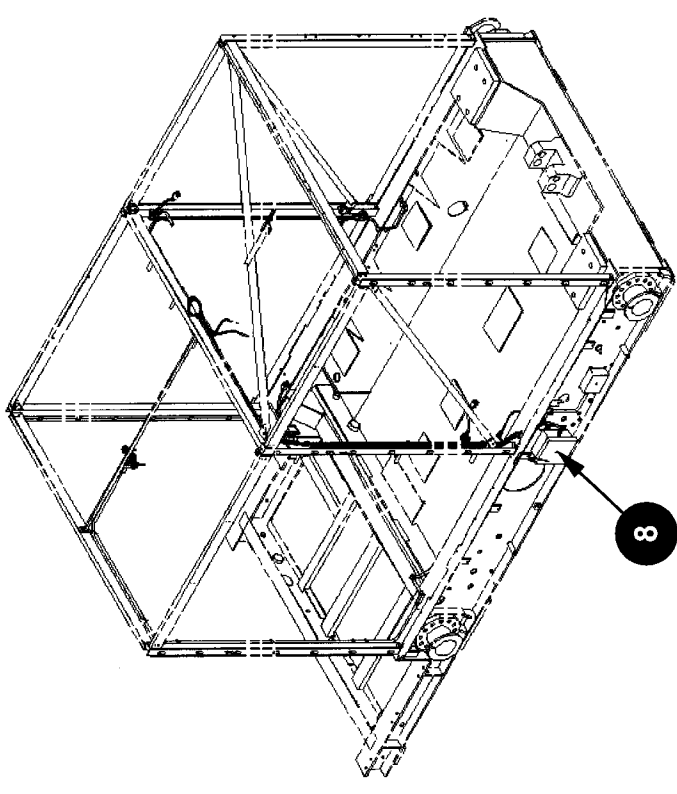
- CONTROL DEVICES TURBINE -



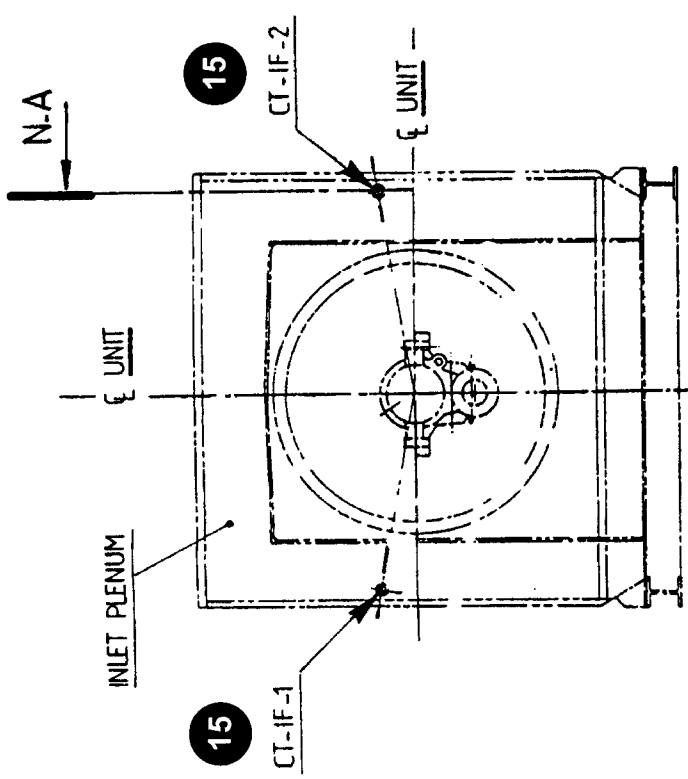
TURBINE UNIT - ELEVATION VIEW -



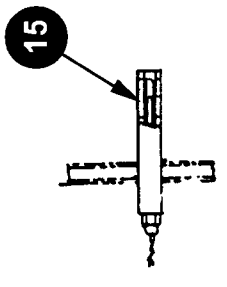
VIEW B-A



VIEW L-B
(ISOMETRIC VIEW)

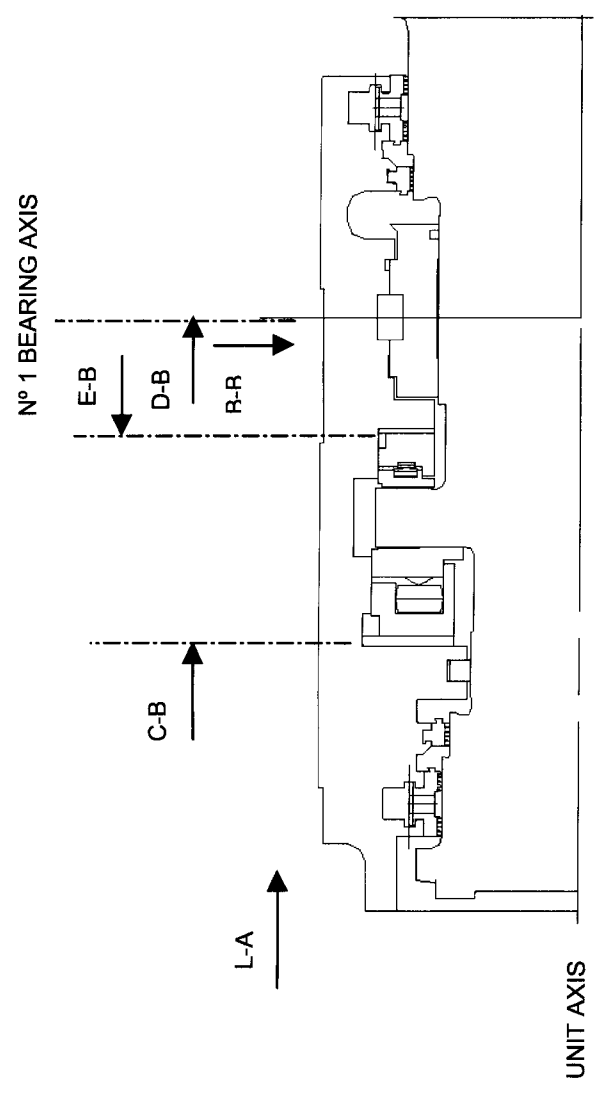


VIEW A-A

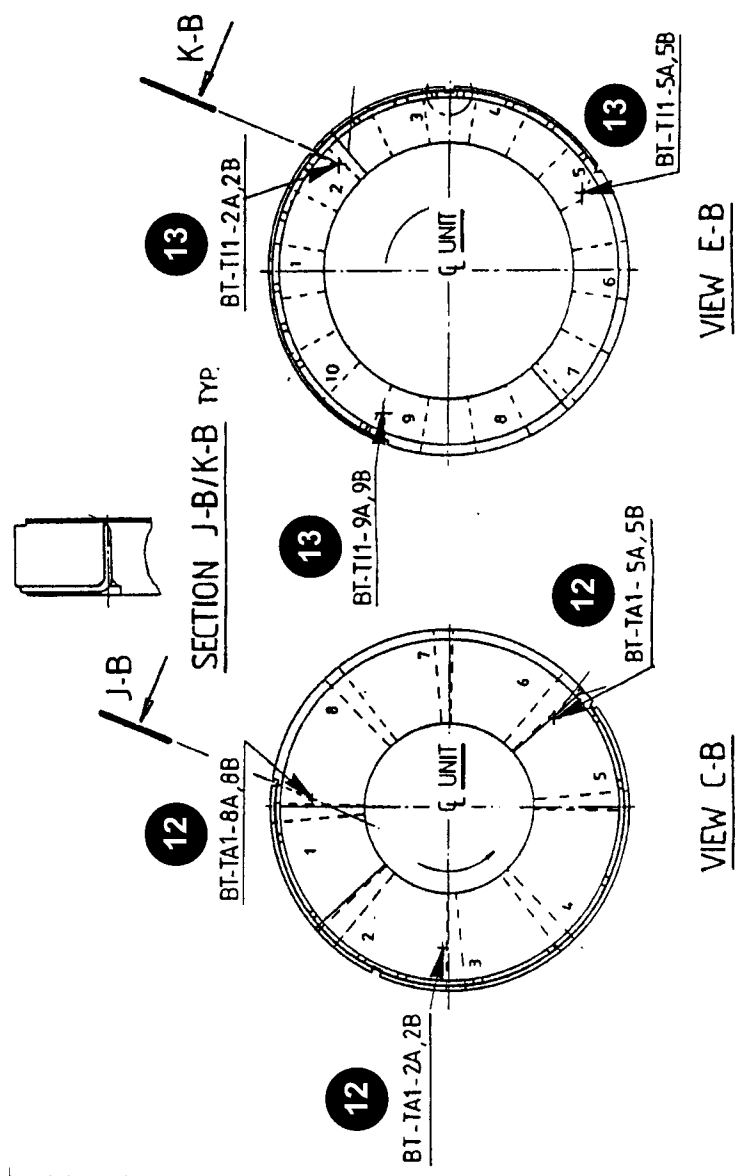
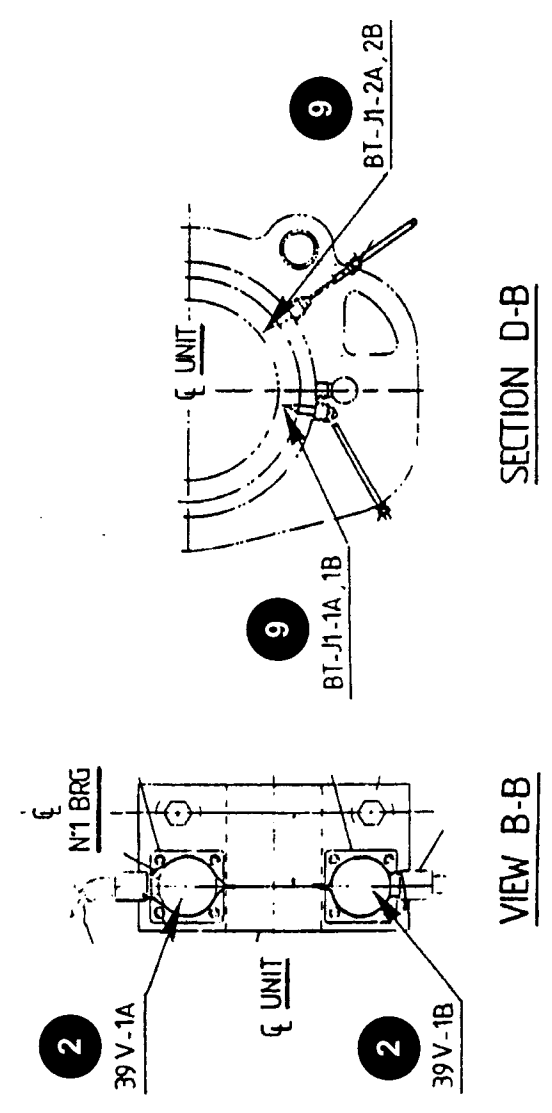
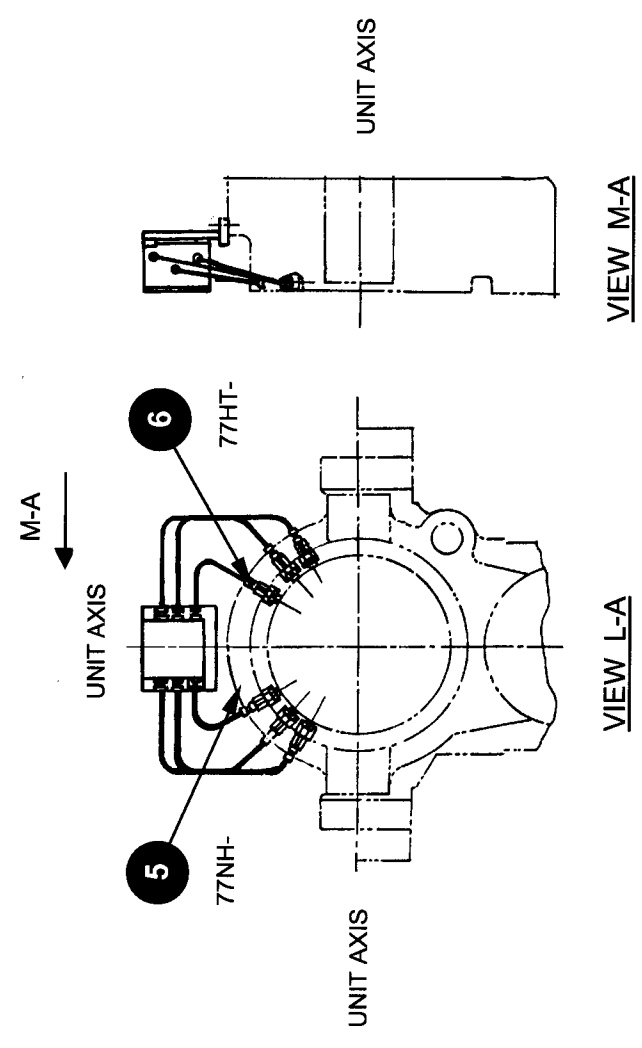


SECTION N-A

- CONTROL DEVICES TURBINE -



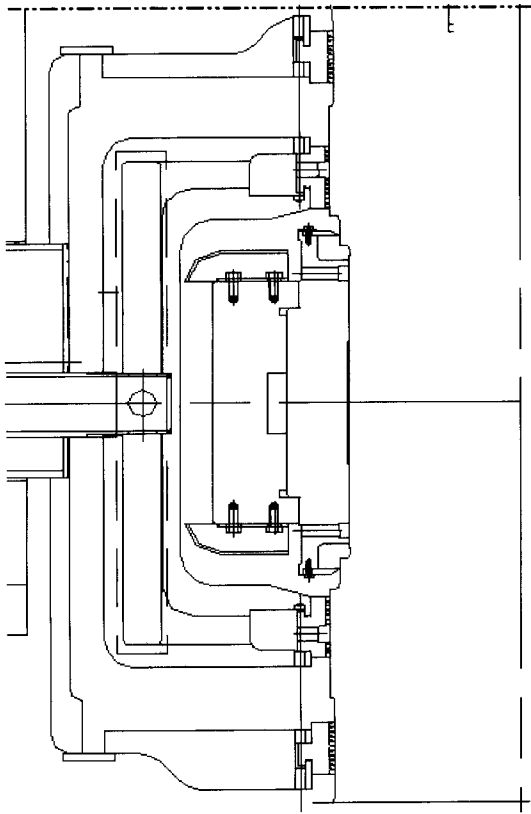
DETAIL G-A



DRAWINGS

- CONTROL DEVICES TURBINE -

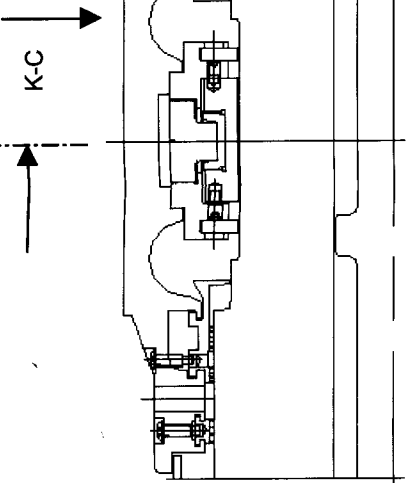
N° 2 BEARING AXIS



N-B

N° 3 BEARING AXIS

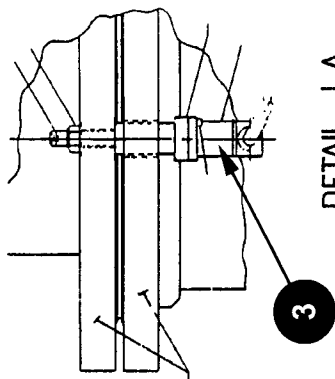
J-C



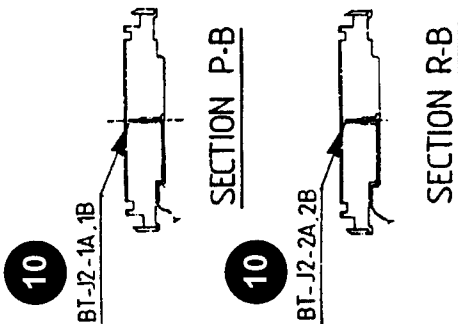
UNIT AXIS

UNIT AXIS

DETAIL H-A



DETAIL J-A



10

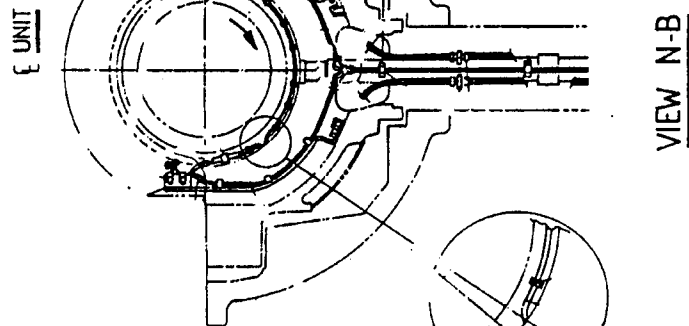
BT-J2-1A, 1B

SECTION P-B

10

BT-J2-2A, 2B

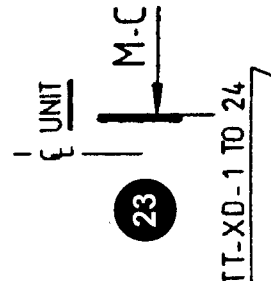
SECTION R-B



VIEW N-B

R-B

P-B



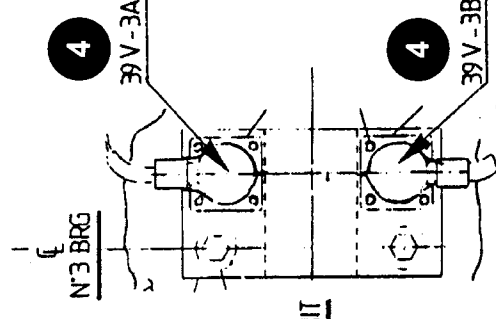
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UNIT

M-C

IT-XD-1 TO 24

VIEW K-C



4

39 V - 3A

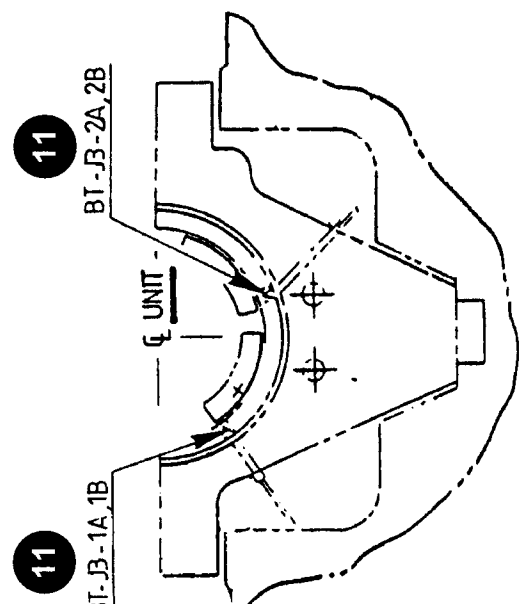
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39 V - 3B

N° 3 BRG

UNIT

SECTION J-C



11

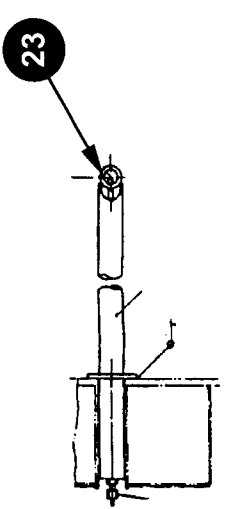
BT-J3-1A, 1B

11

BT-J3-2A, 2B

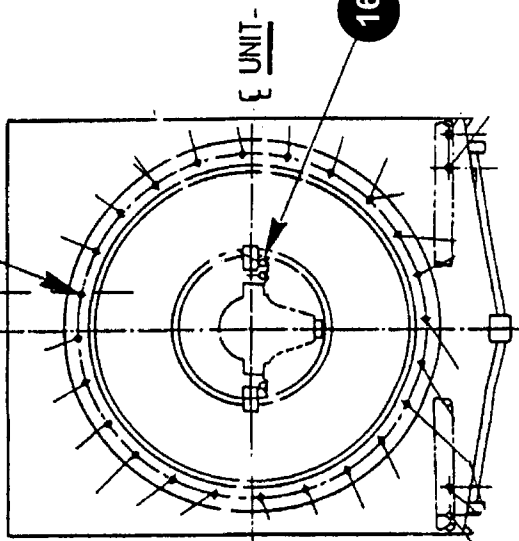
UNIT

SECTION M-C



23

VIEW F-A



UNIT

16

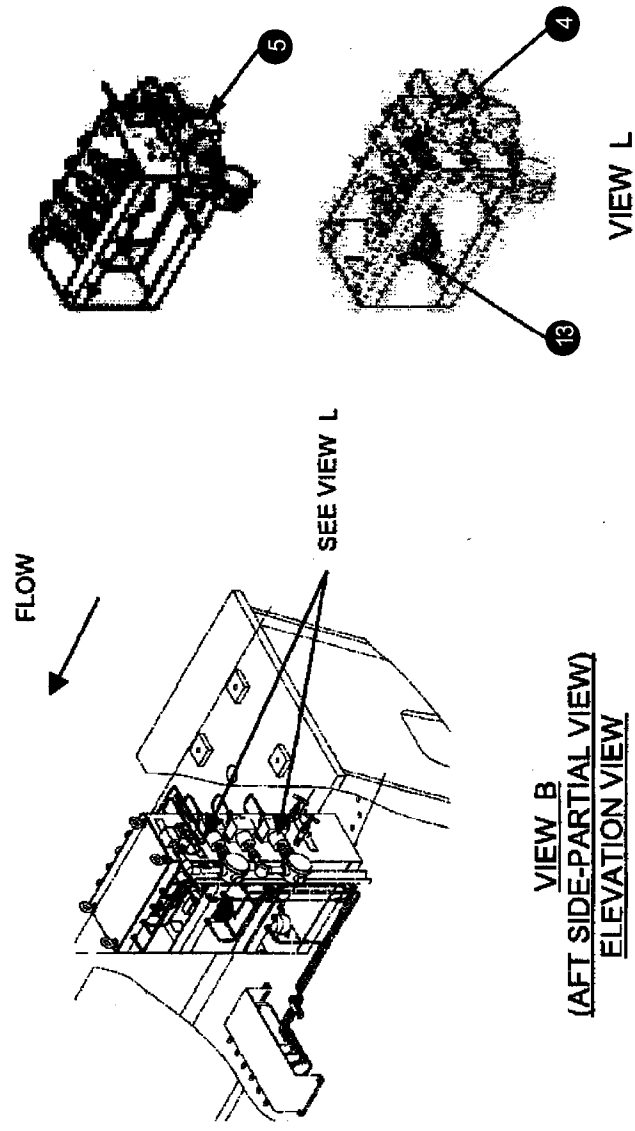
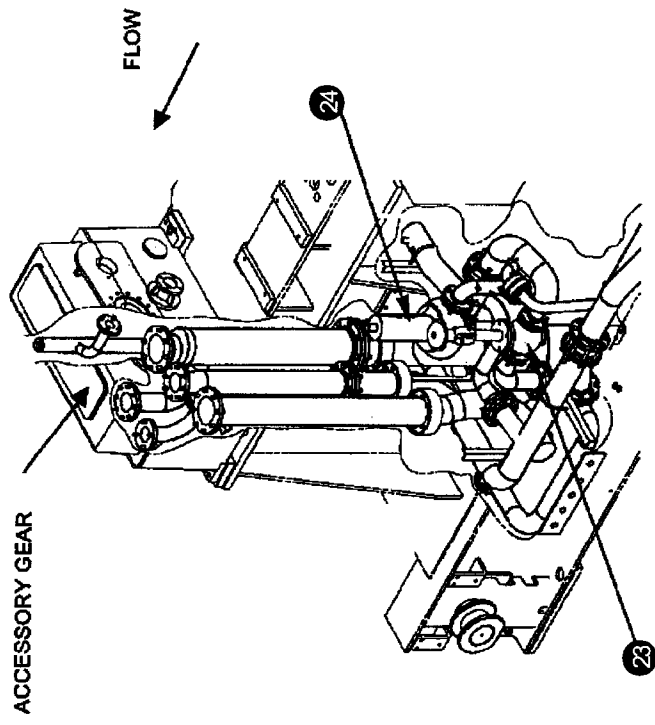
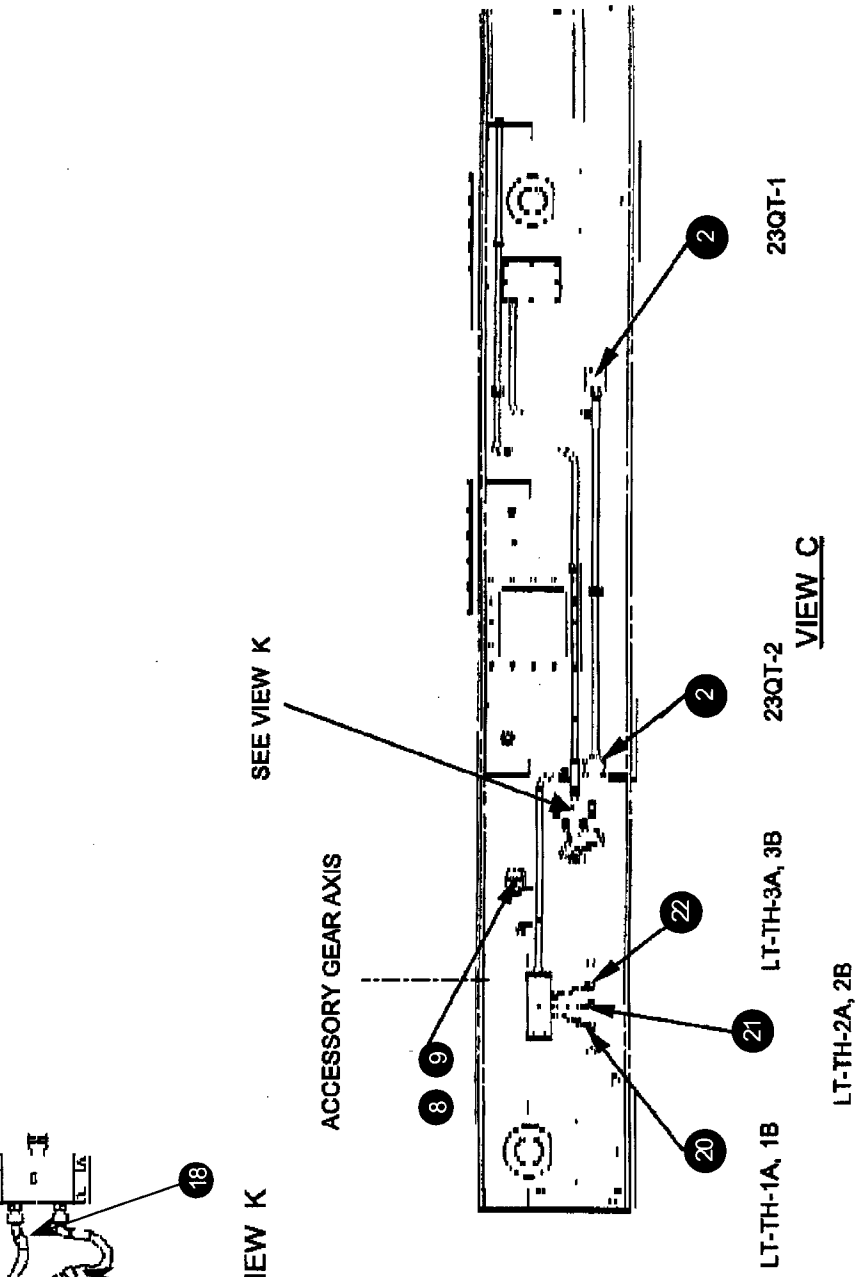
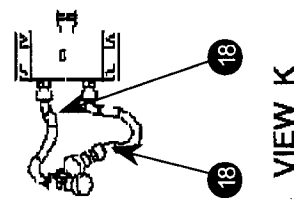
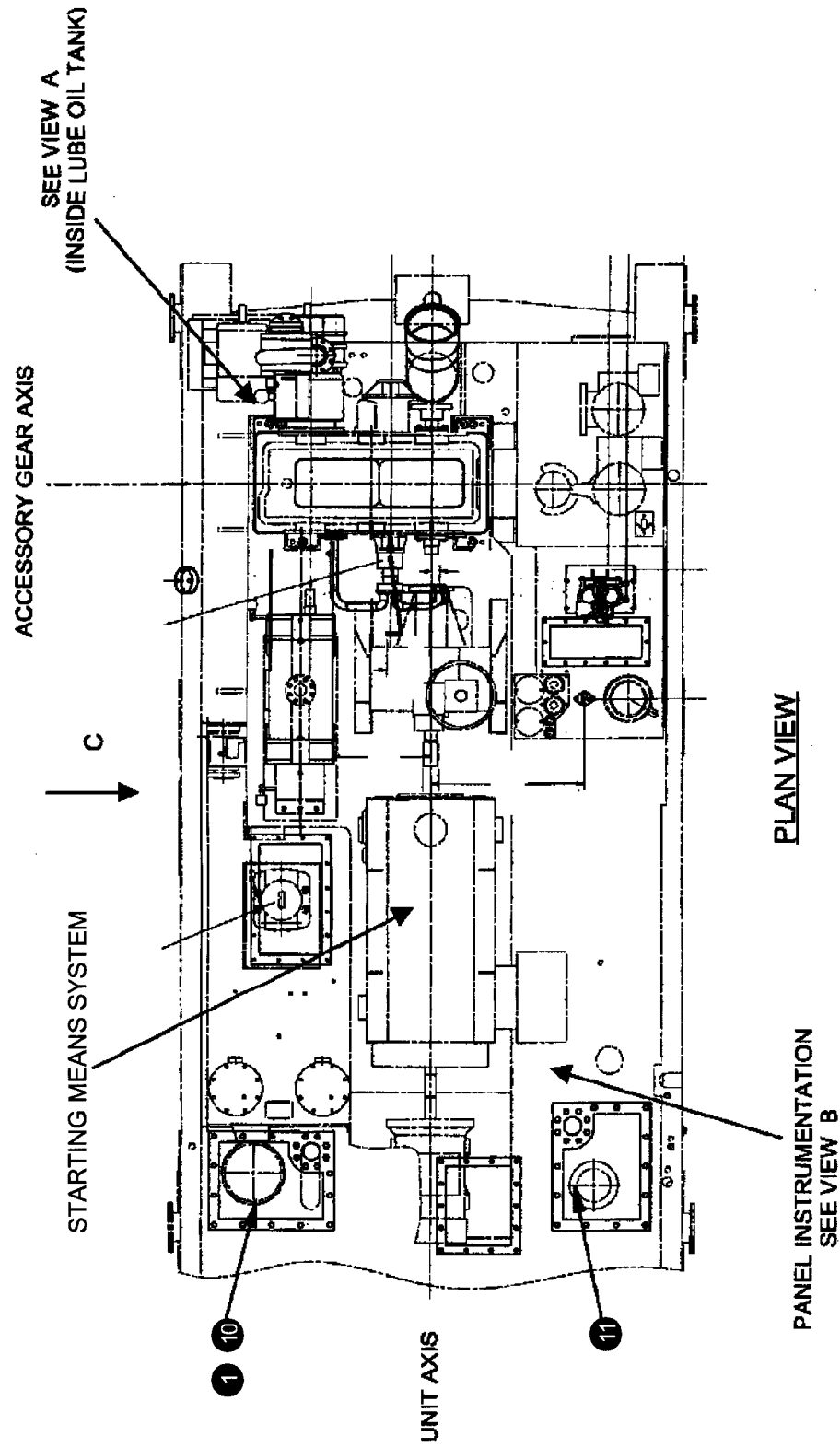
DRAWINGS

- LUBE OIL SYSTEM -

PART	NOMENCLATURE	
1	23QA-1	Anti-condensation heater for 88QA-1
2	23QT-1, 2	Immersion heater lube oil tank
3	23QV-1	Anti-condensation heater for motor 88QV-1
4	63QA-2	Low lube oil pressure auxiliary pump start
5	63QQ-1	Main lube oil filter differential pressure alarm
6	63QQ-8	Torque adjuster filter differential pressure
7	63QV-1	Oil mist eliminatory differential pressure
8	71QH-1	High lube oil level alarm
9	71QL-1	Low lube oil level alarm
10	88QA-1	Auxiliary lube oil pump motor
11	88QE-1	Emergency lube oil pump motor
12	88QV-1	Lube oil mist eliminator motor
13	96QA-2	Lube oil pressure transmitter VRP-2 outlet
14	LT-B1D-1A, 1B	Lube oil temperature – return bearing 1
15	LT-B2D-1A, 1B	Lube oil temperature – return bearing 2
16	LT-B3D-1A, 1B	Lube oil temperature – return bearing 3
17	LT-BT1D-1A, 1B	Lube oil temperature – thrust bearing 1
18	LT-OT-1A	Lube oil tank temperature low resistance thermometer detector
19	LT-OT-2A	Lube oil tank temperature normal resistance thermometer detector
20	LT-TH-1A, 1B	Lube oil temperature turbine heater – thermocouple K type
21	LT-TH-2A, 2B	Lube oil temperature turbine heater – thermocouple K type
22	LT-TH-3A, 3B	Lube oil temperature turbine heater – thermocouple K type
23	VPR2-1	Bearing heater pressure regulator valve
24	VR-1	Main lube oil pump pressure relief valve
25		Lube oil heat exchanger
26		Main lube oil filter

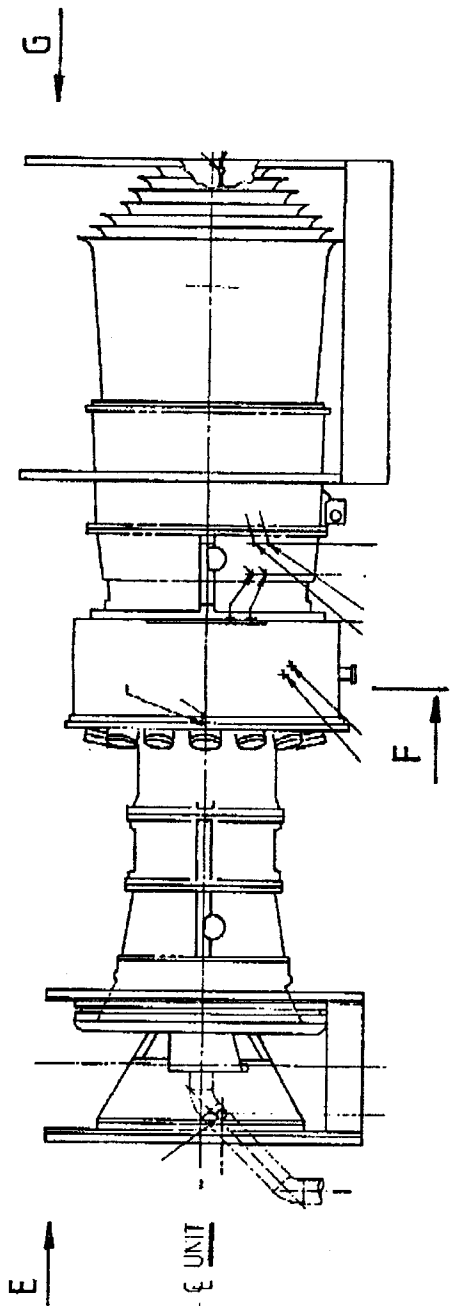
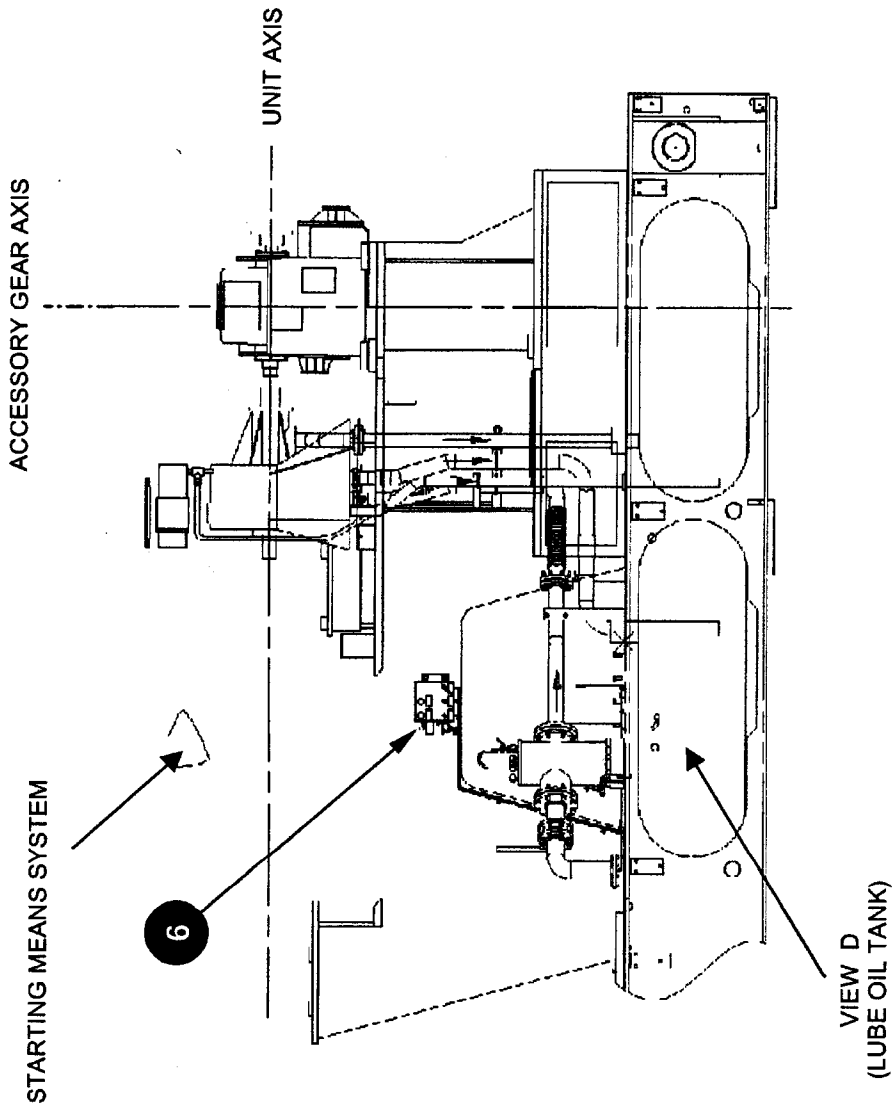
DRAWINGS

- LUBE OIL SYSTEM -

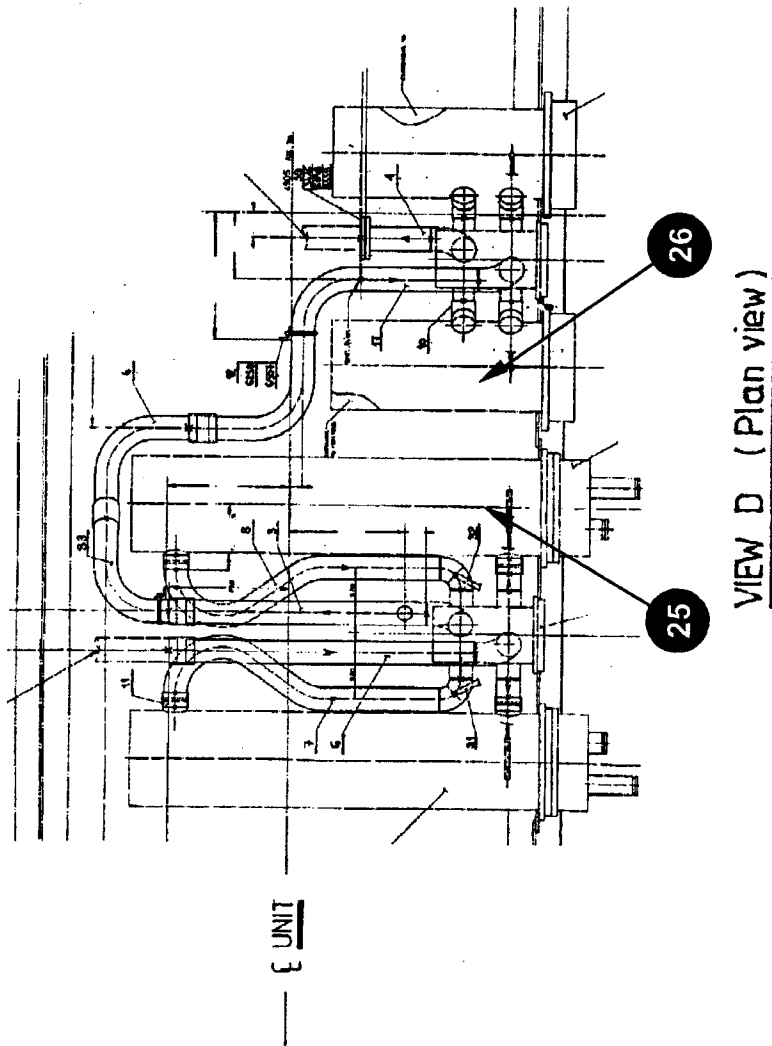
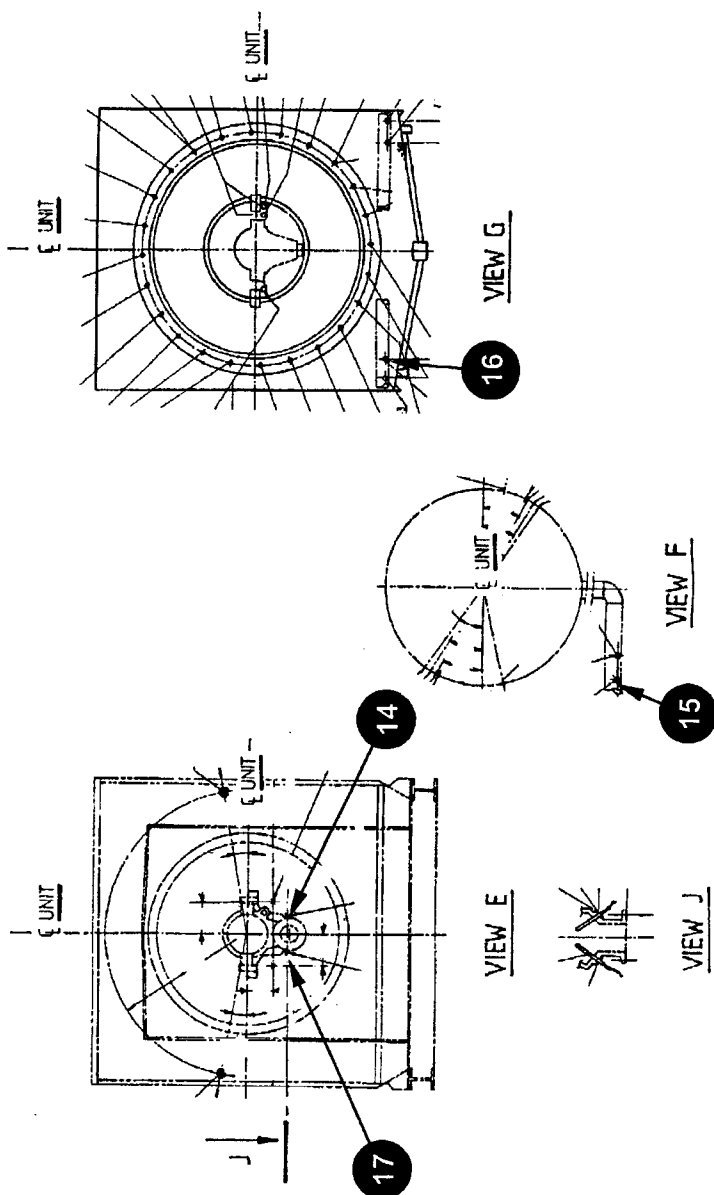


DRAWINGS

- LUBE OIL SYSTEM -



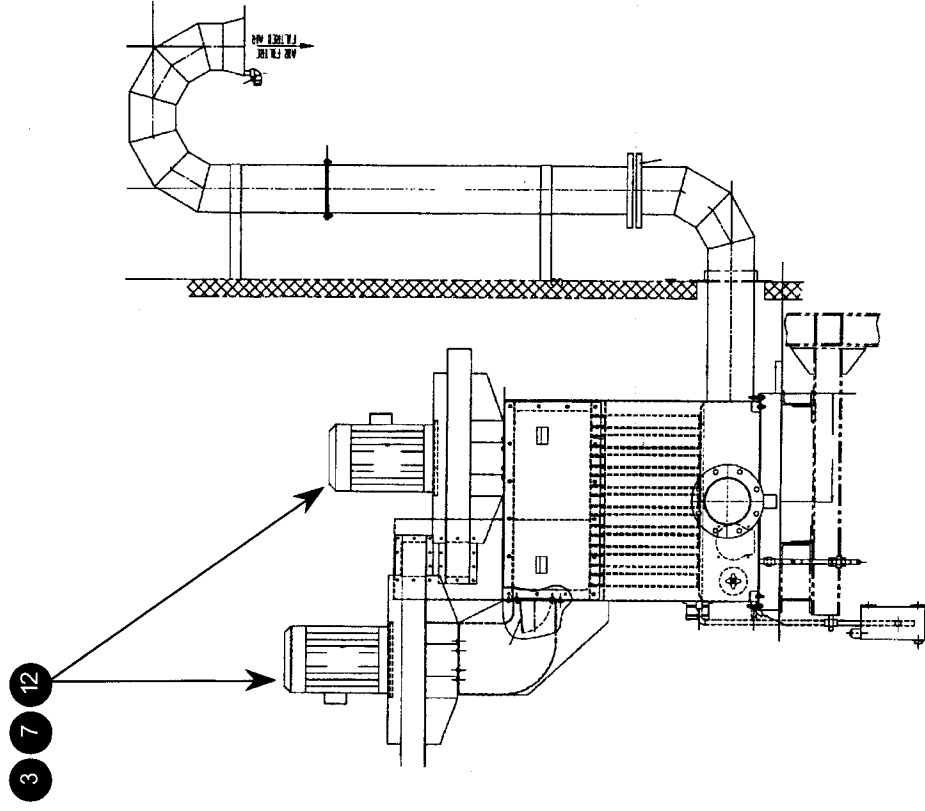
- TURBINE UNIT - ELEVATION VIEW



VIEW D (Plan view)

DRAWINGS

- LUBE OIL SYSTEM -



MIST ELIMINATOR – ELEVATION VIEW

DRAWINGS

- COOLING AND SEALING AIR SYSTEM -

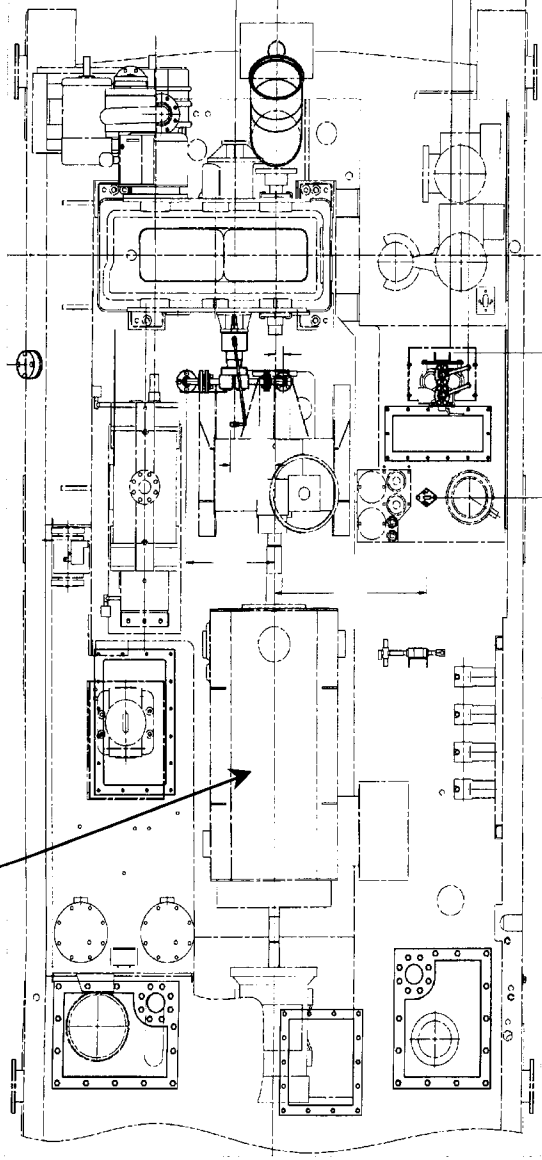
PART	NOMENCLATURE	
1	20 CB-1	Compressor bleed solenoid 3 way valve
2	23 TK-1, 2	Turbine shell exhaust frame blower motor heater
3	33 CB-1T4	11 th stage compressor bleed valve limit switch
4	63 TK-1, 2	Turbine shell and exhaust frame blower discharge pressure switch
5	88 TK-1, 2	Turbine exhaust frame cooling fan motor
6	96 CD-1A, 1B, 1C	Compressor discharge pressure transmitter
7	VA2-1T4	11 th stage compressor bleed valve
8	VCK7-1, 2	Turbine shell cooling air blower check valve
9		Porus filter
10		Air separator

DRAWINGS

- COOLING AND SEALING AIR SYSTEM -

STARTING MEANS SYSTEM

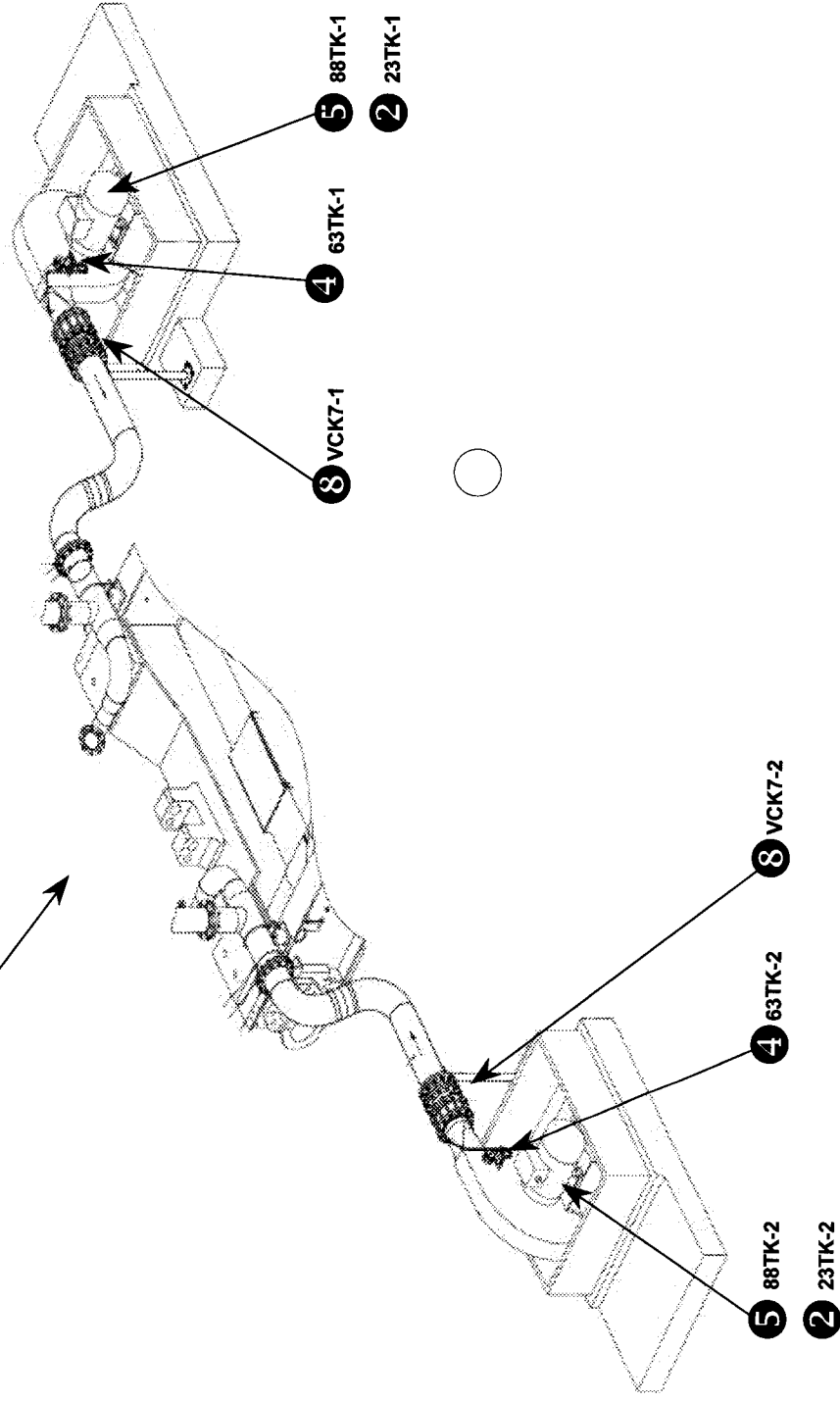
ACCESSORY GEAR AXIS



UNIT AXIS

PLAN VIEW

FLOW



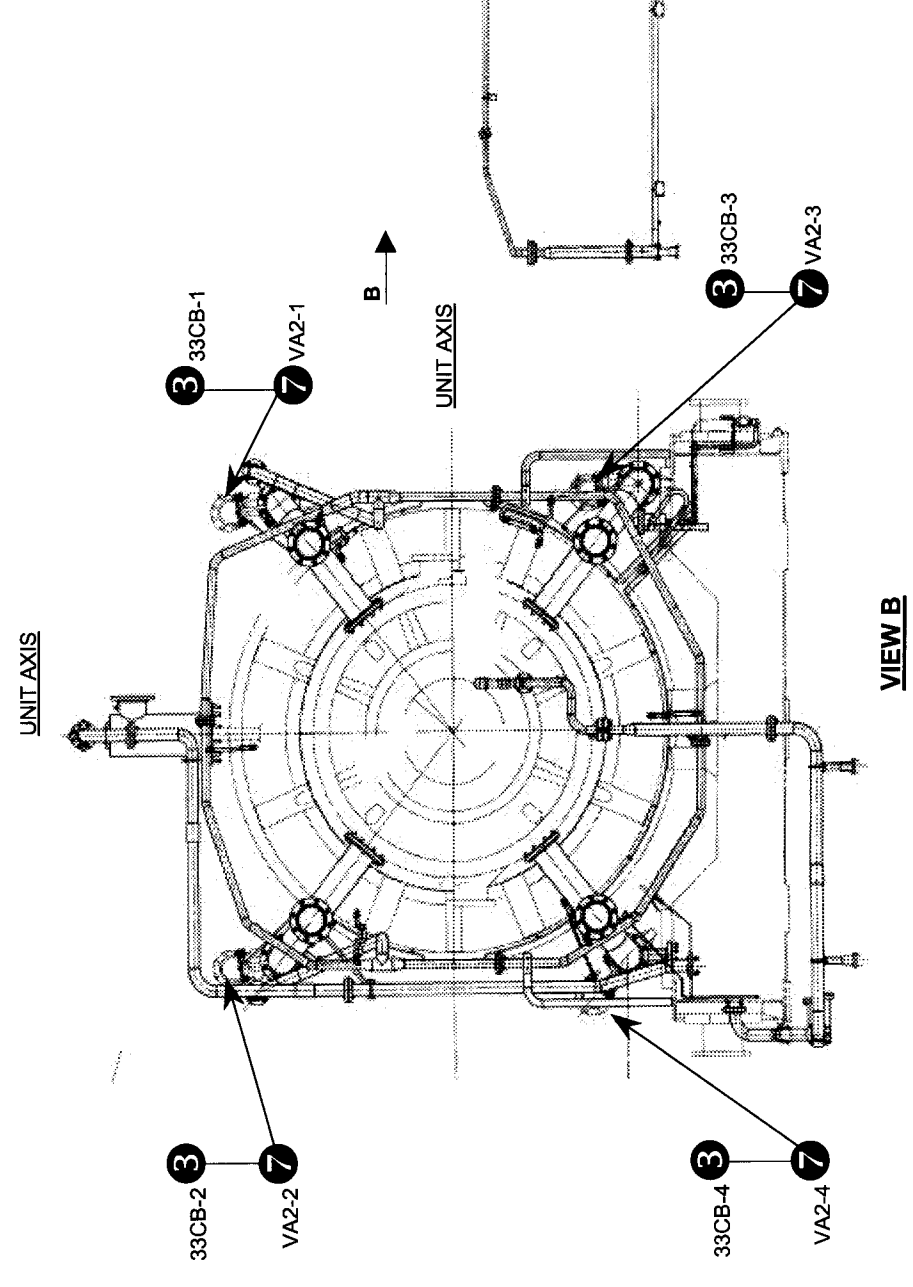
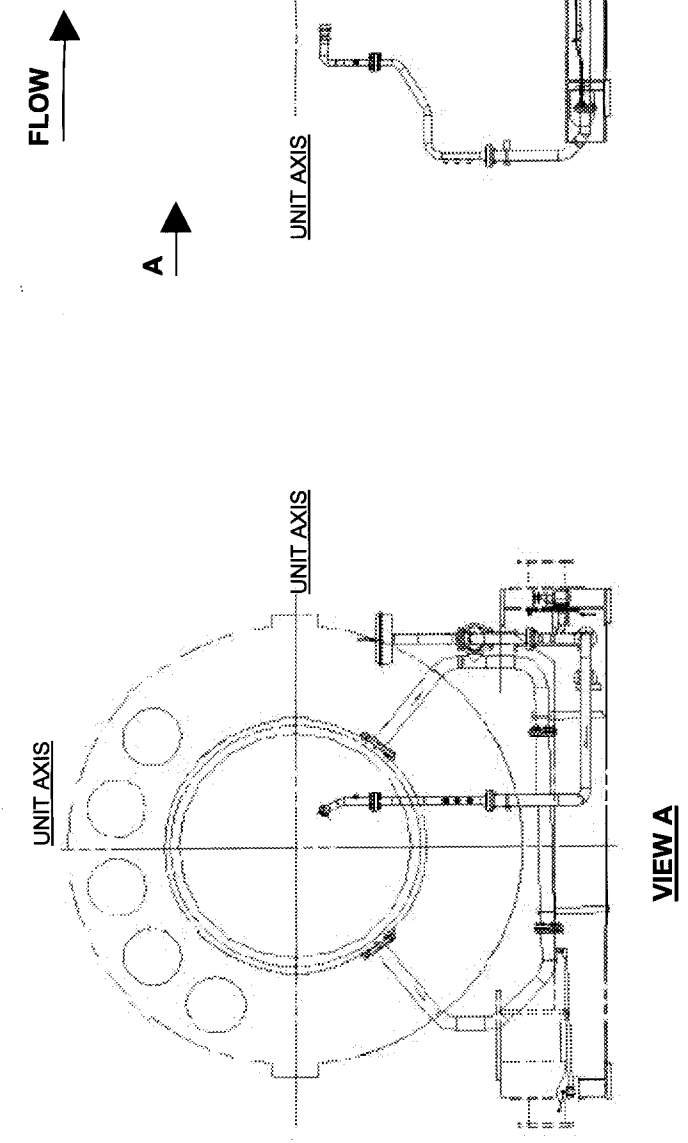
96CD-1C

96CD-1B

96CD-1A

- COOLING AND SEALING AIR SYSTEM -

FORWARD SUPPORTS AXIS



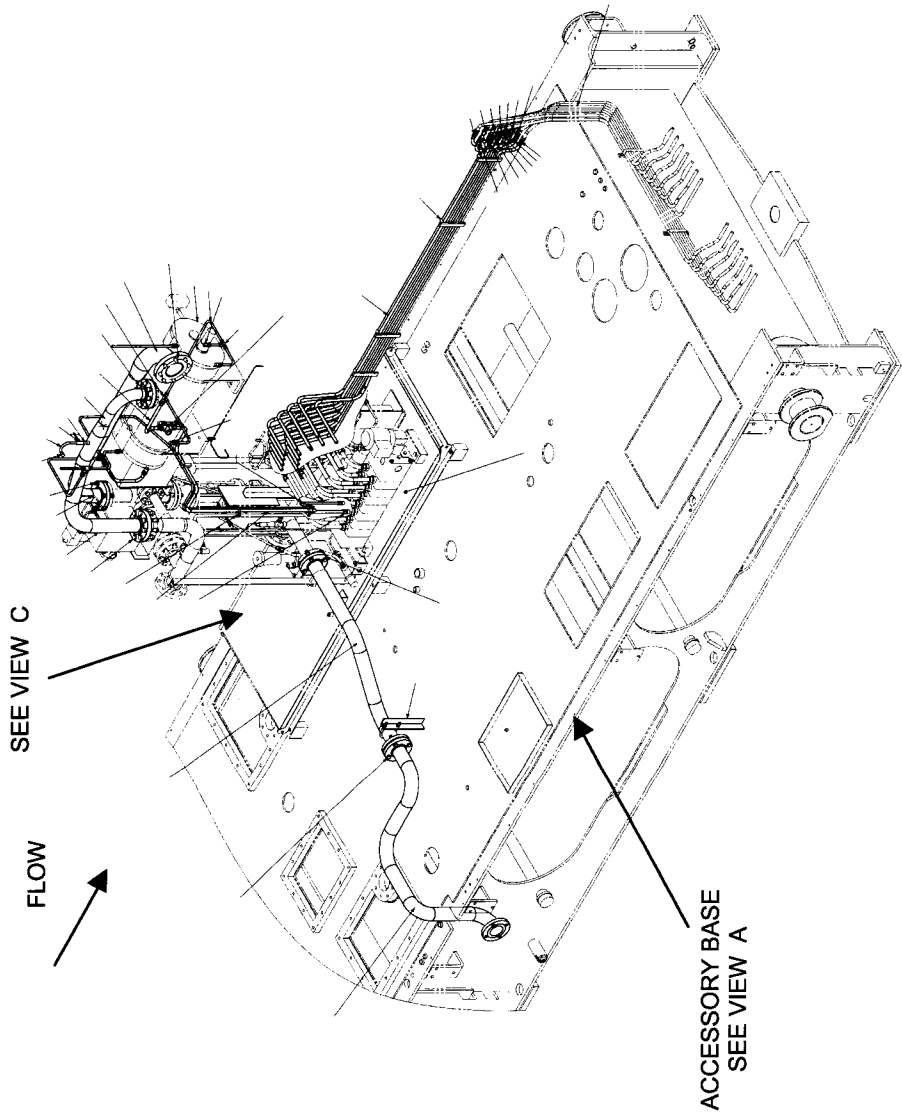
DRAWINGS

- TRIP OIL SYSTEM -

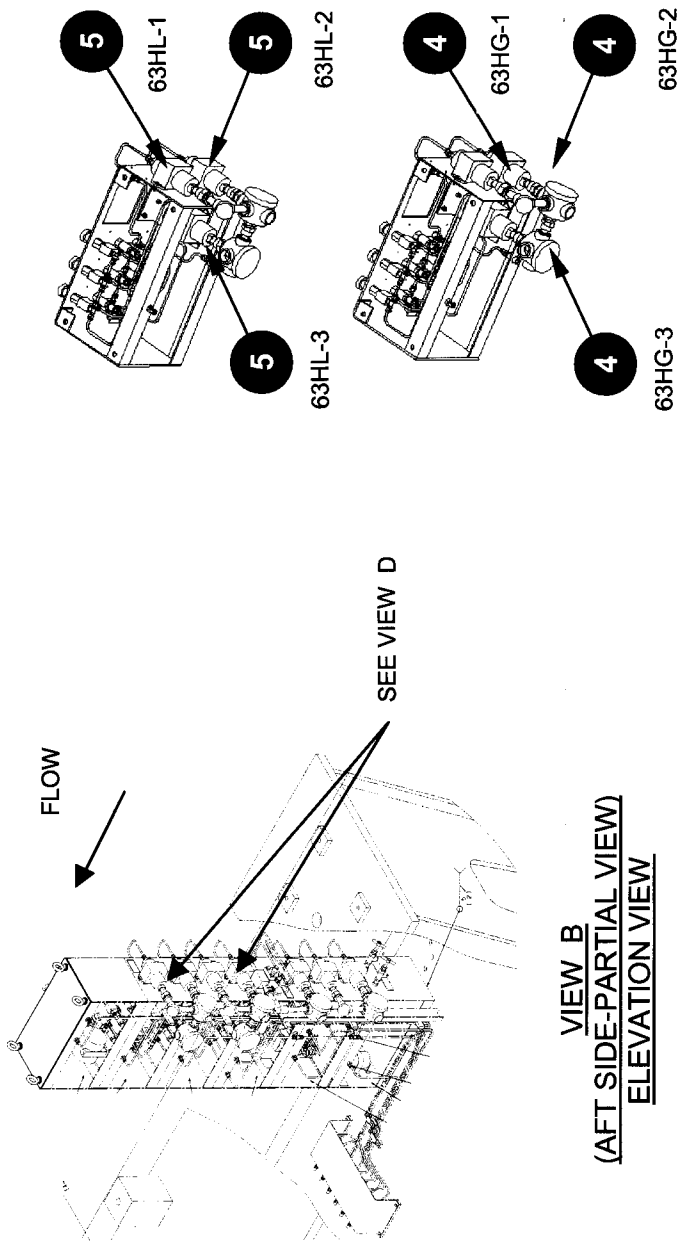
PART		NOMENCLATURE
1	20FG-1	Gas fuel stop valve solenoid
2	20FL-1	Liquid fuel stop valve solenoid
3	20TV-1	V.I.G.V. hydraulic dump solenoid valve
4	63HG-1, 2, 3	Hydraulic oil trip circuit pressure gas fuel stop valve
5	63HL-1, 2, 3	Hydraulic trip pressure for liquid fuel stop valve

DRAWINGS

- TRIP OIL SYSTEM -

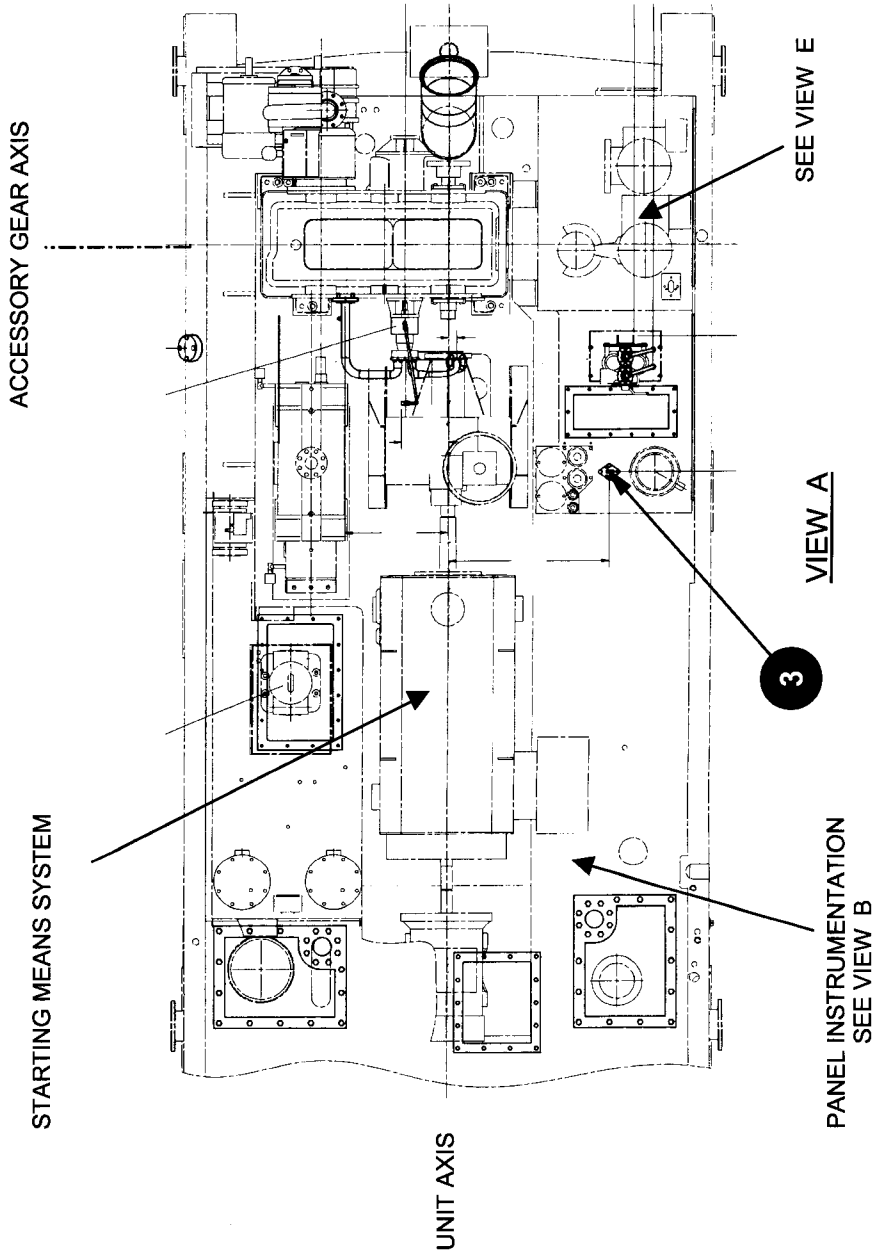


ACCESSORY BASE
(ISOMETRIC VIEW)



VIEW B
(AFT SIDE-PARTIAL VIEW)
ELEVATION VIEW

VIEW D

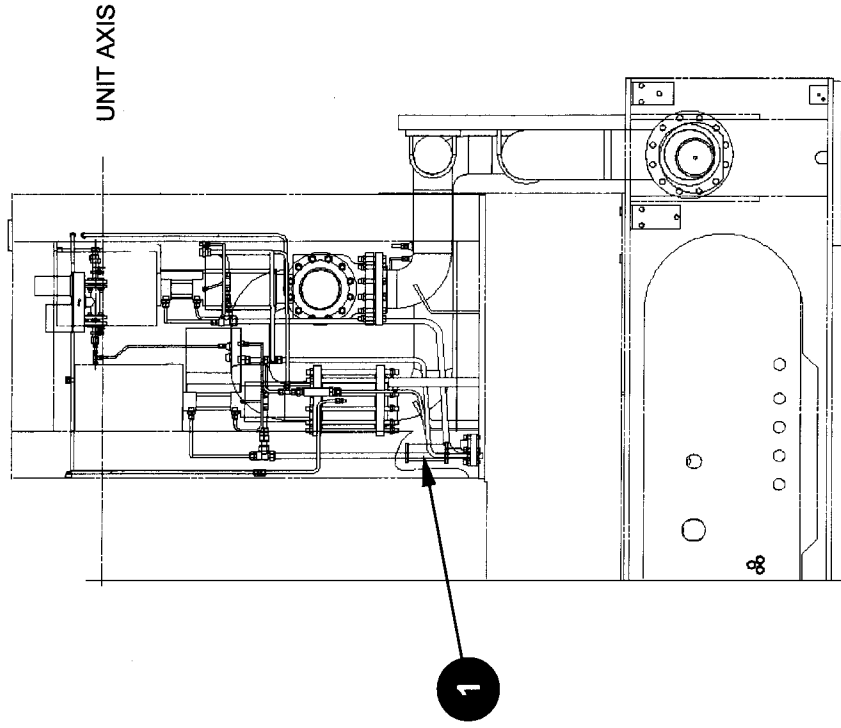


VIEW A

VIEW C
(ISOMETRIC VIEW)

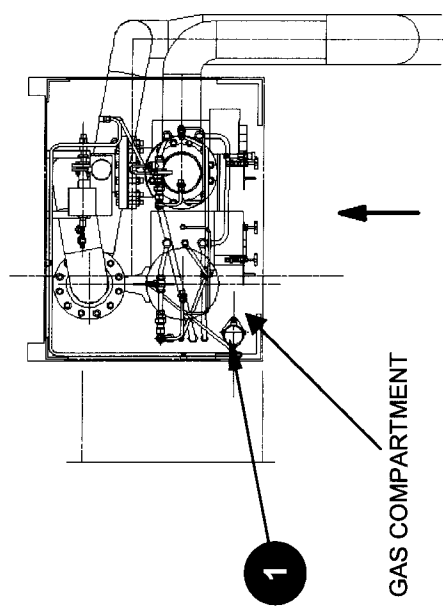
DRAWINGS

- TRIP OIL SYSTEM -



VIEW F

ACCESSORY GEAR AXIS



GAS COMPARTMENT

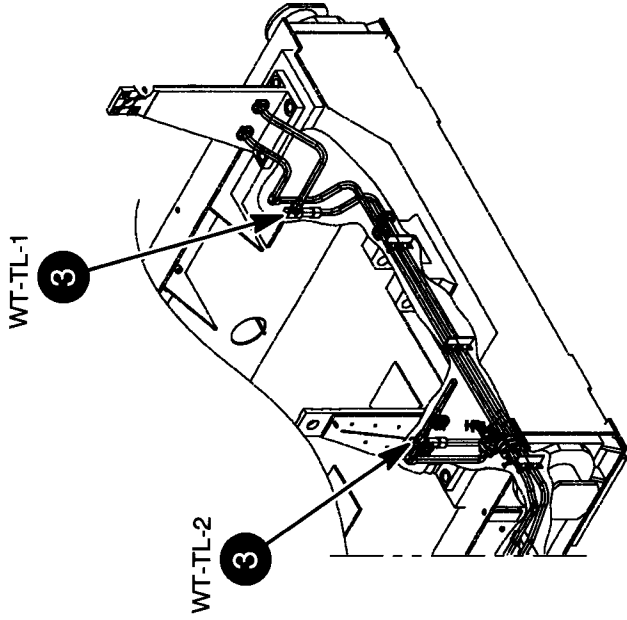
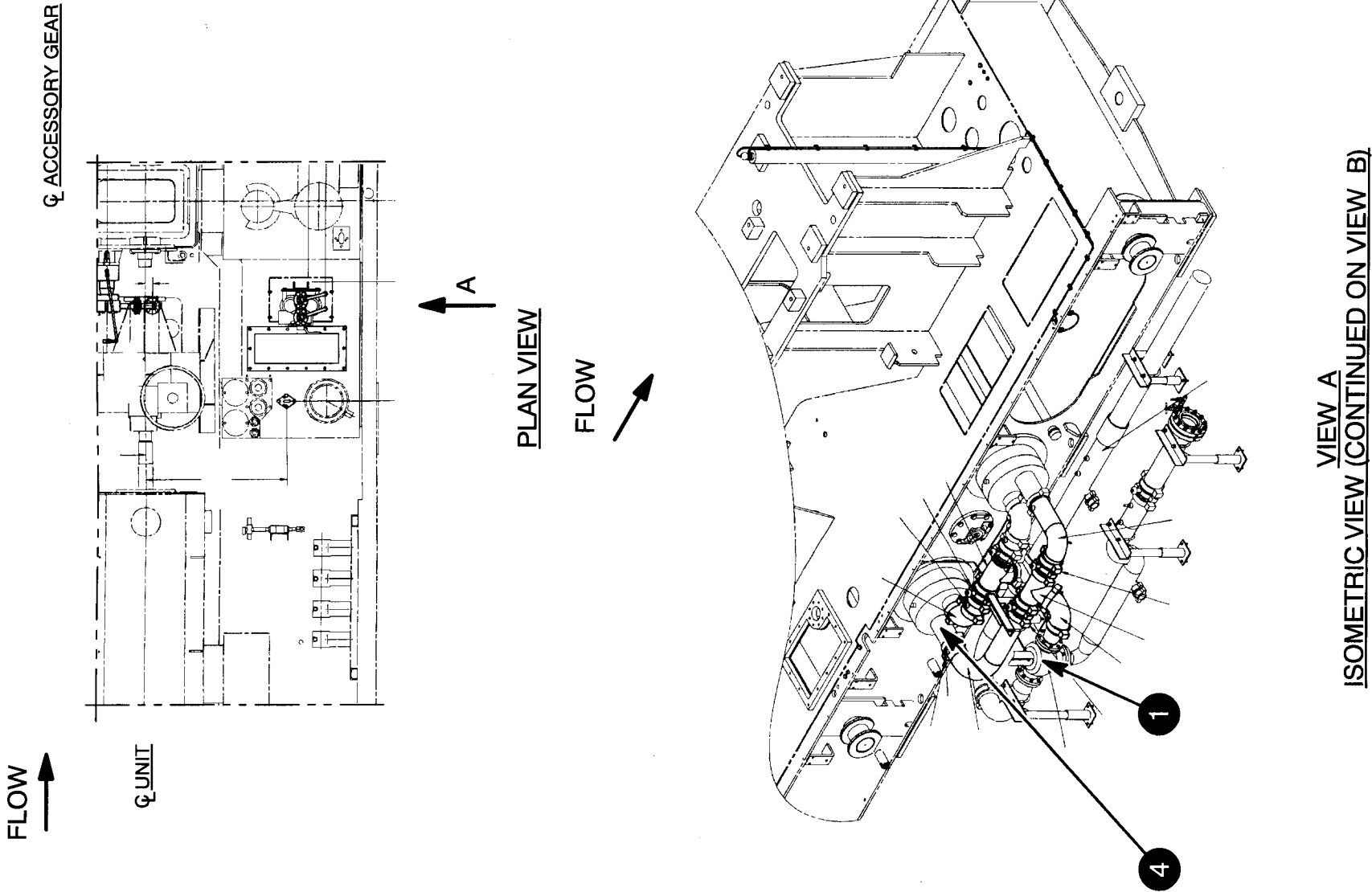
VIEW E

- COOLING WATER SYSTEM -

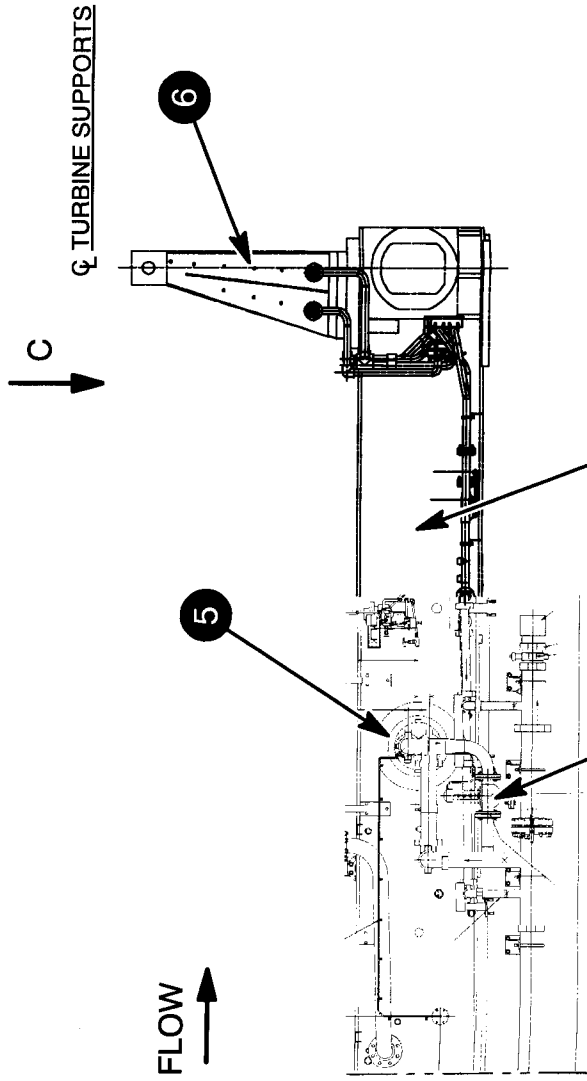
PART	NOMENCLATURE	
1	VTR1	Bearing header temperature regulator valve
2	VTR2-1	Atomizing air precooler air discharge temperature regulator valve
3	WT-TL-1, 2	Water system temperature turbine support legs
4		Lube oil heat exchanger
5		Atomizing air precooler
6		Turbine support

DRAWINGS

- COOLING WATER SYSTEM -



VIEW C
ISOMETRIC VIEW



VIEW B
ELEVATION VIEW

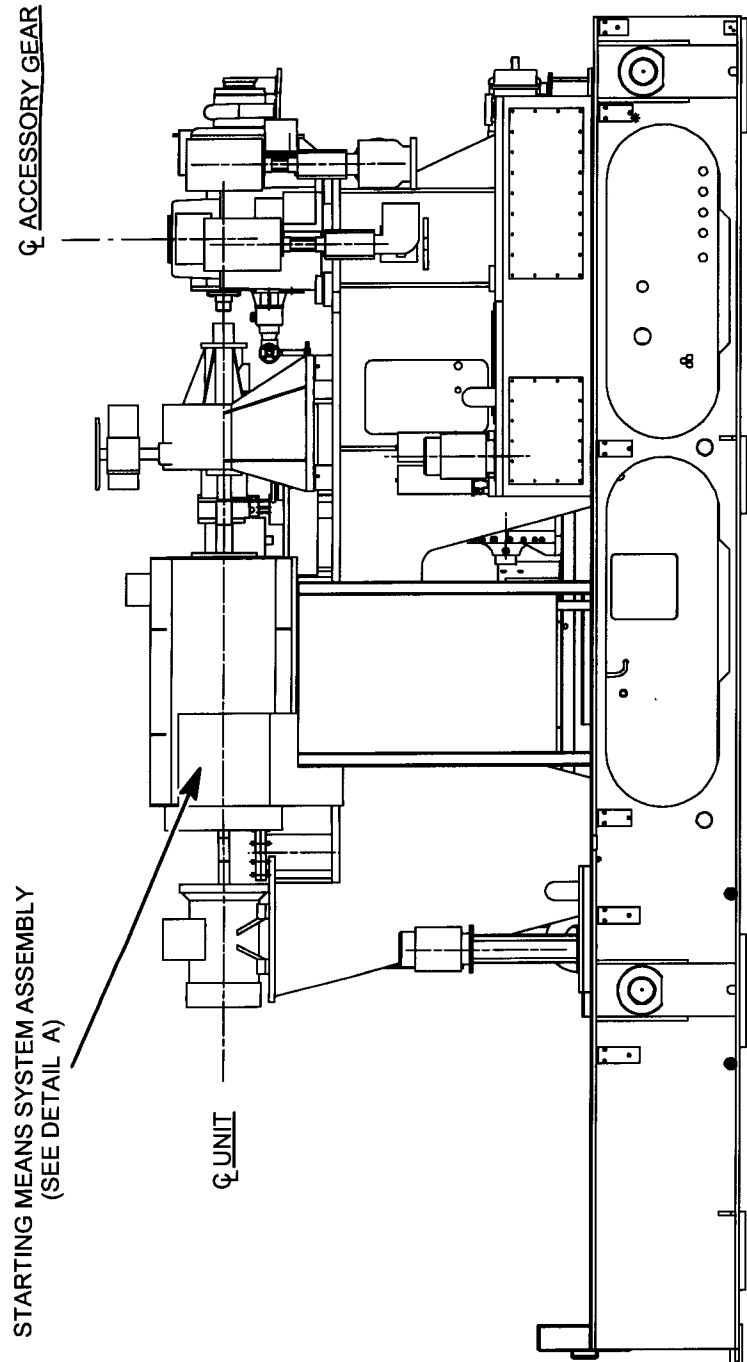
- STARTING MEANS SYSTEM -

PART	NOMENCLATURE	
1	20TU-1	Torque converter unloading (drain) solenoid valve
2	23CR-1 to 3	Space heater in cranking motor
3	23TG-1	Turning gear motor heater
4	26CR-1 to 3	(R.T.D.) Resistor temperature dependant in cranking motor
5	33TC-1	Limit switch torque converter filling valve
6	33TM-5, 6	Torque adjuster - limit switch
7	88CR-1	Cranking motor
8	88TG-1	Turbine gear motor
9	88TM-1	Torque adjuster - drive motor
10	96TM-1	Position transmitter
11		Torque converter

DRAWINGS

- STARTING MEANS SYSTEM -

STARTING MEANS SYSTEM ASSEMBLY
(SEE DETAIL A)

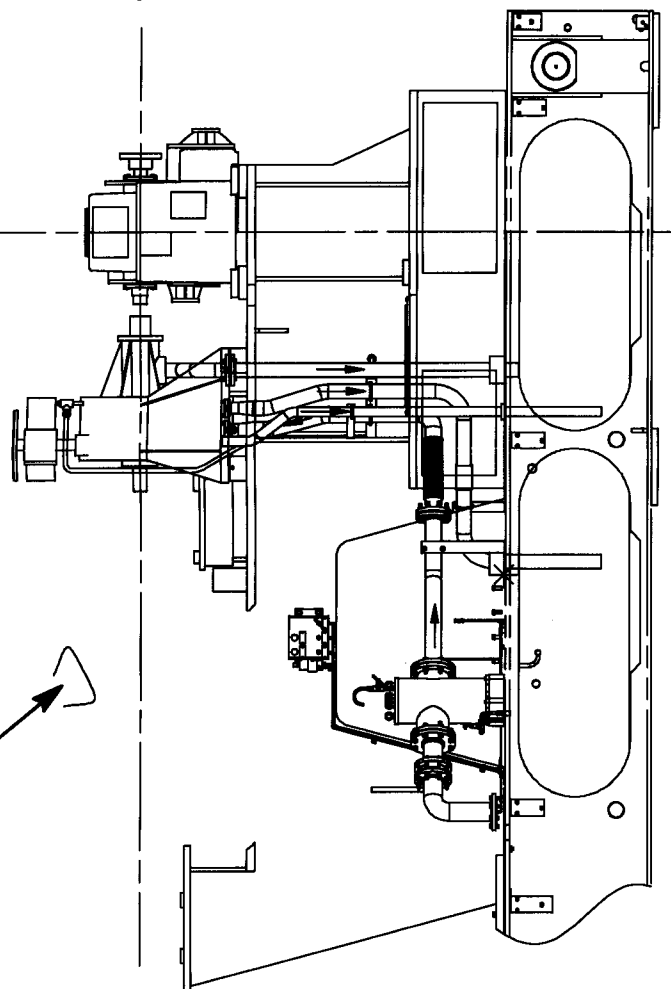


ELEVATION VIEW

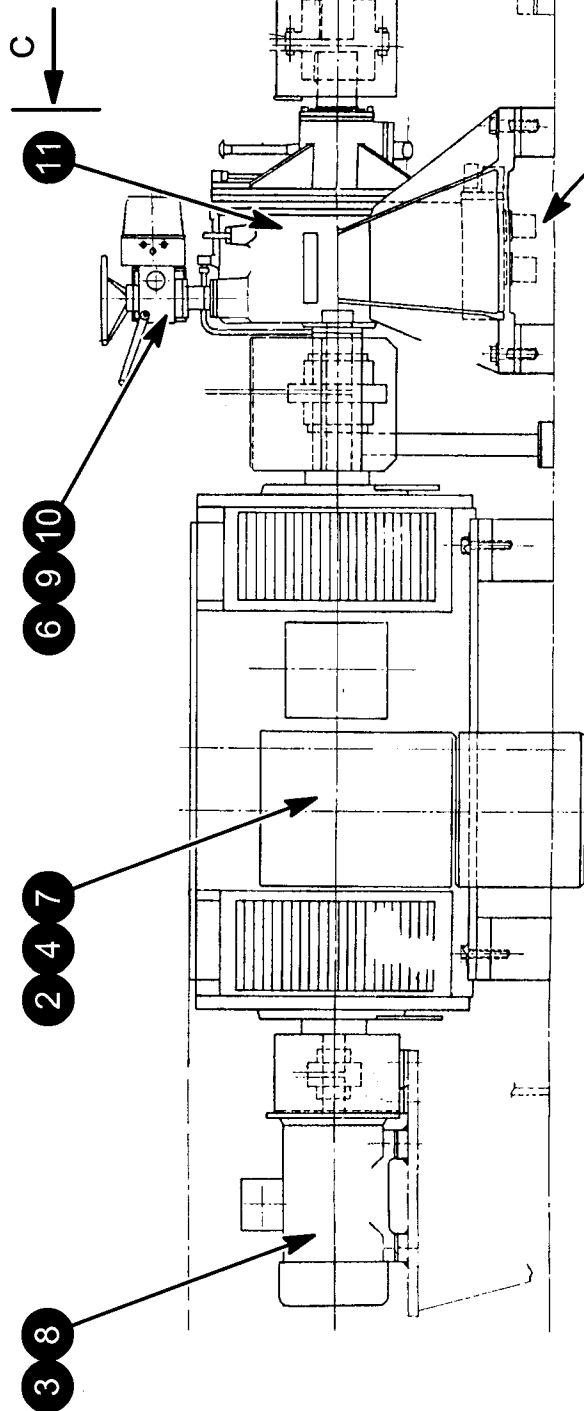
STARTING MEANS SYSTEM

Q ACCESSORY GEAR

Q UNIT



VIEW B



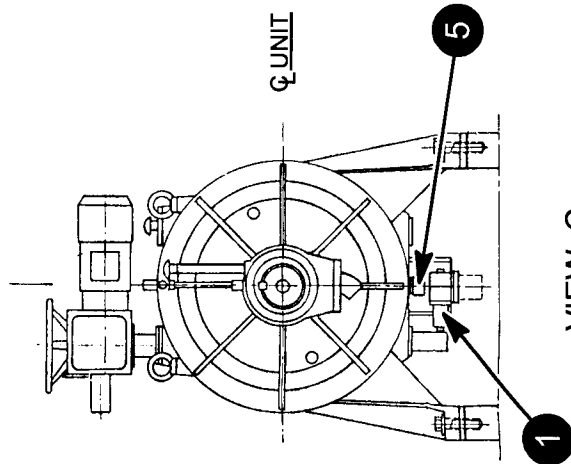
DETAIL A

SEE VIEW B

Q ACCESSORY GEAR

Q UNIT

Q UNIT



VIEW C

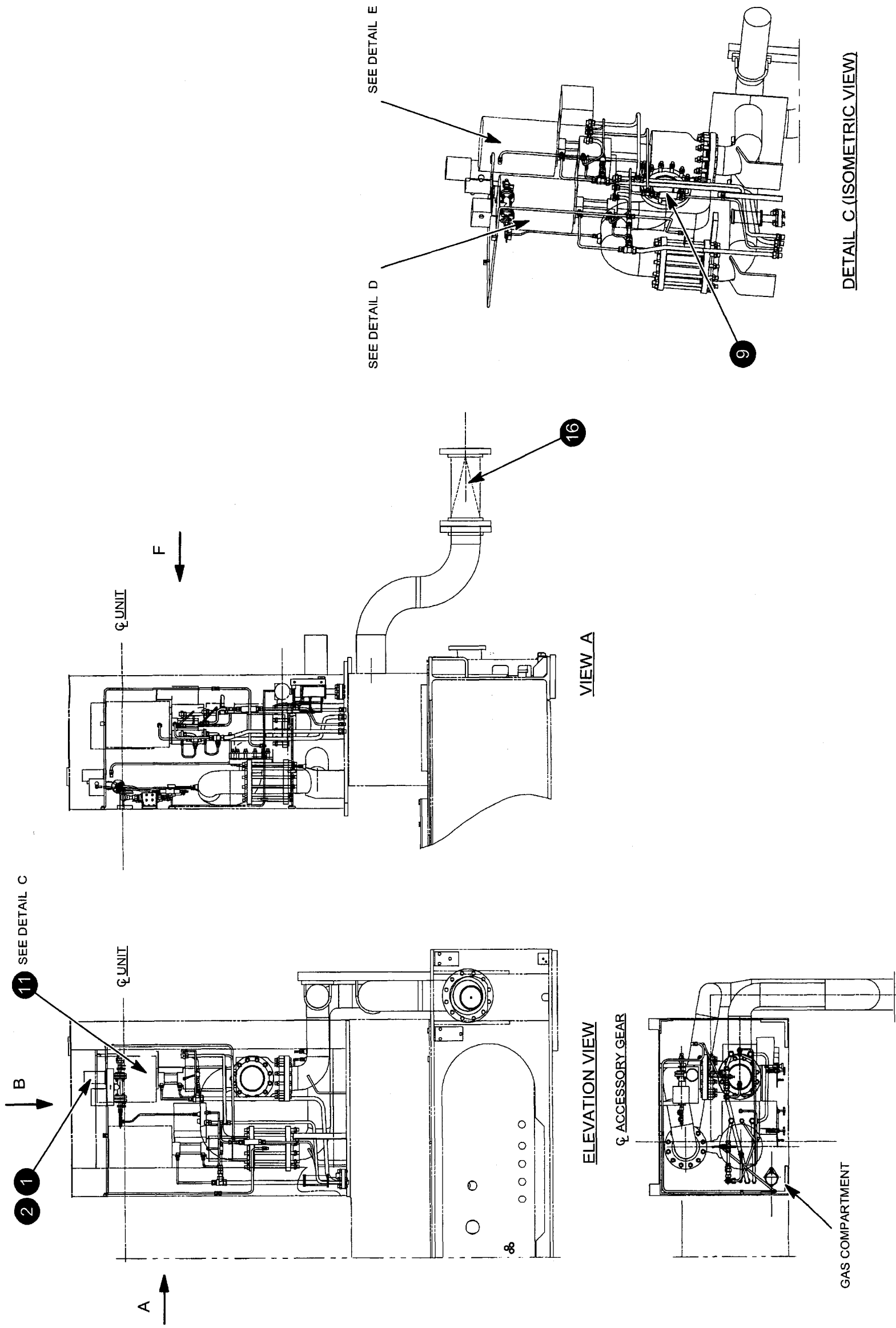
DRAWINGS

- FUEL GAS SYSTEM-

PART	NOMENCLATURE	
1	20vg-1	Gas fuel (purge) vent solenoid valve
2	33VG-1	Limit switch on solenoid valve 20VG-1
3	65GC	Gas control valve servo valve
4	90SR-1	Speed ratio/stop (pressure) ratio valve servo valve
5	96FG-2A, 2B, 2C	Compressor discharge pressure transmitter
6	6FG-3	Fuel gas supply pressure transmitter
7	96GC-1, 2	Gas control valve LVDT
8	96SR-1, 2	Stop/speed (pressure) ration valve LVDT
9	FH7-1	Gas fuel servo hydraulic supply filter
10	MG1	Gas fuel nozzle (primary)
11	VGA	Gas valve assembly
12	VGC	Gas control valve servo valve
13	VH5	Gas fuel dump valve – stop ratio valve
14	VH12	Gas fuel dump valve – stop control valve
15	VSR	Fuel gas stop/ratio valve
16		Strainer

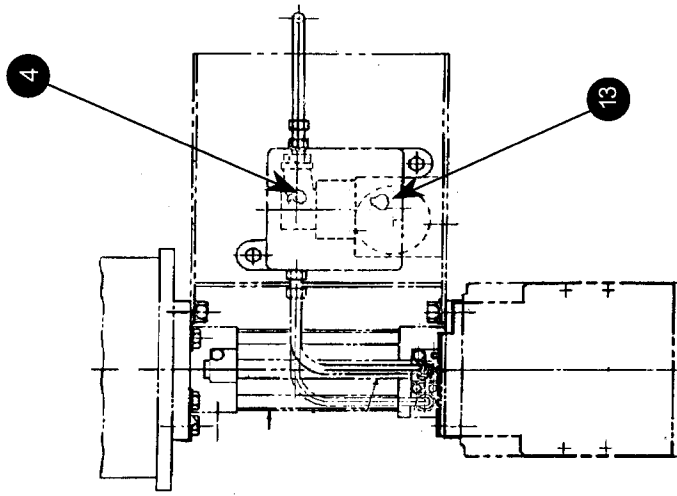
DRAWINGS

- FUEL GAS SYSTEM

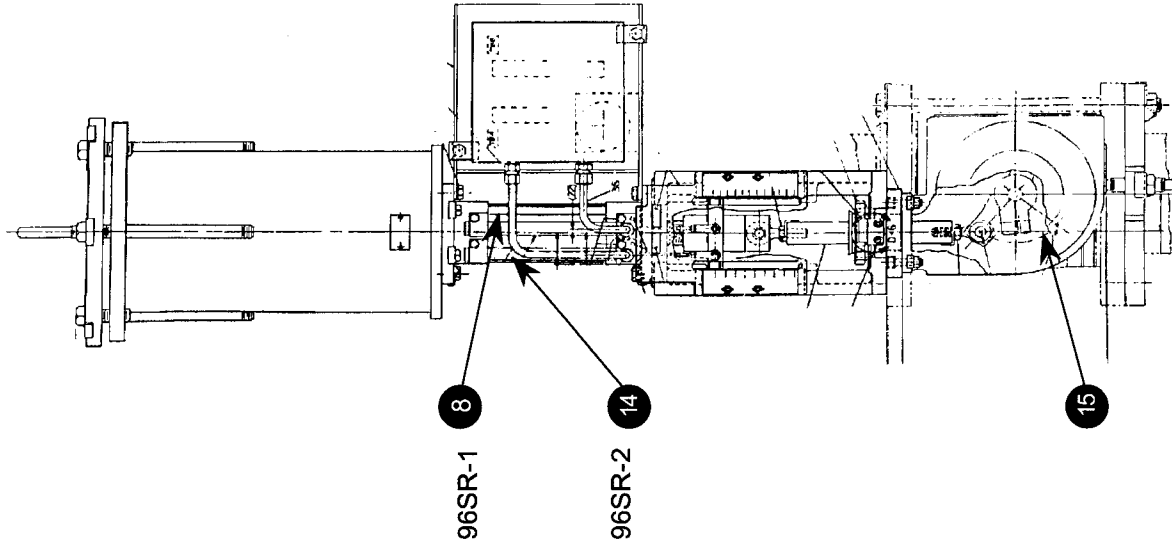


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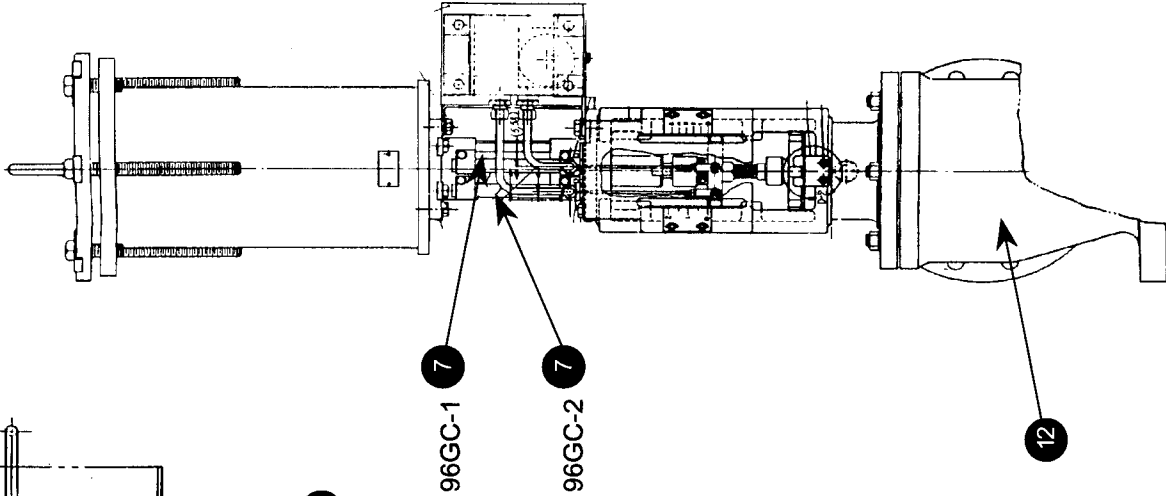
- FUEL GAS SYSTEM



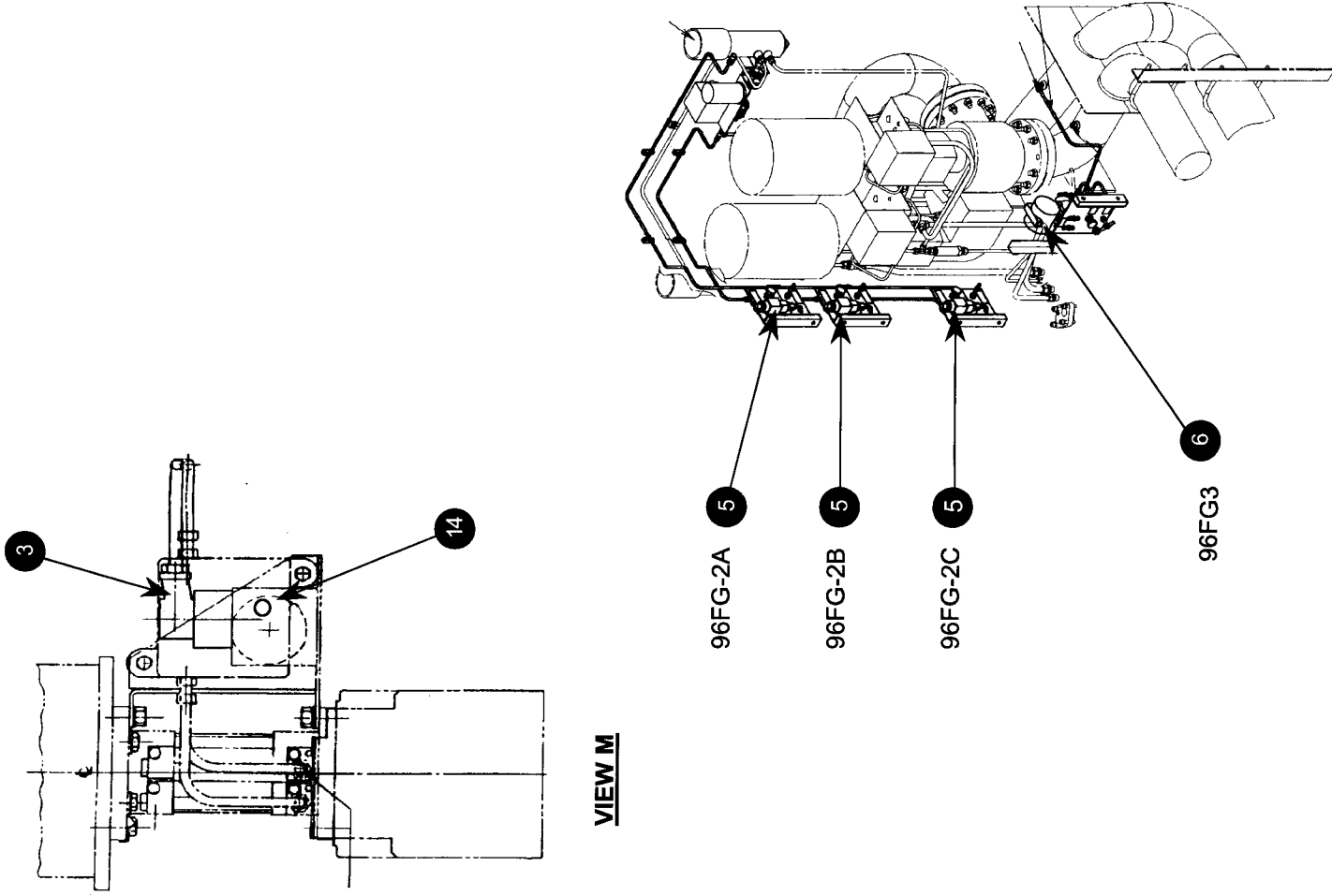
VIEW A



VIEW M



DETAIL E



VIEW F

DRAWINGS

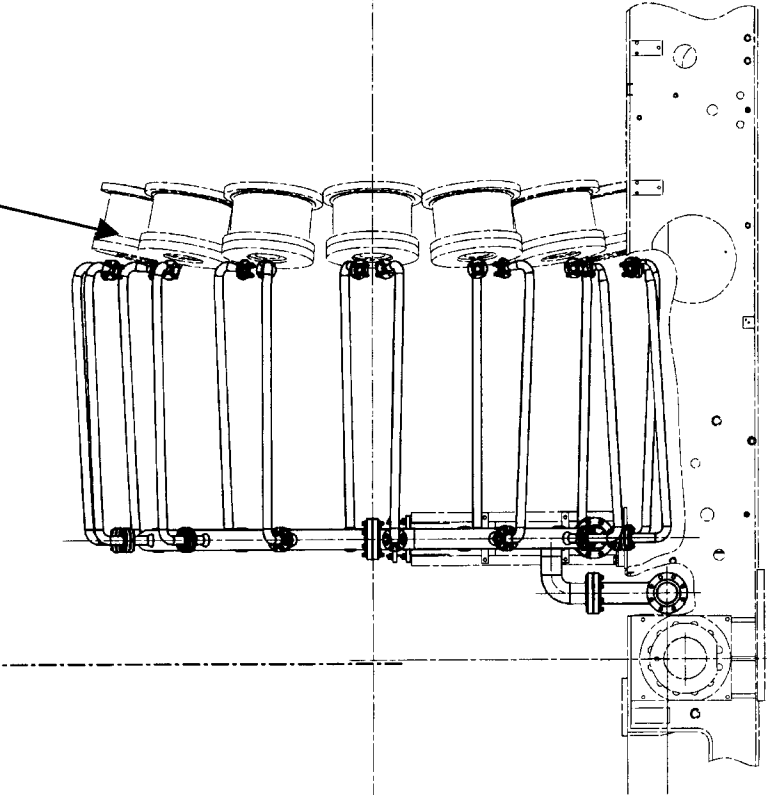
- FUEL GAS SYSTEM -

FLUX
→

K
→

ENS. CHAMBRES DE COMBUSTION

AXE SUPPORT TURBINE

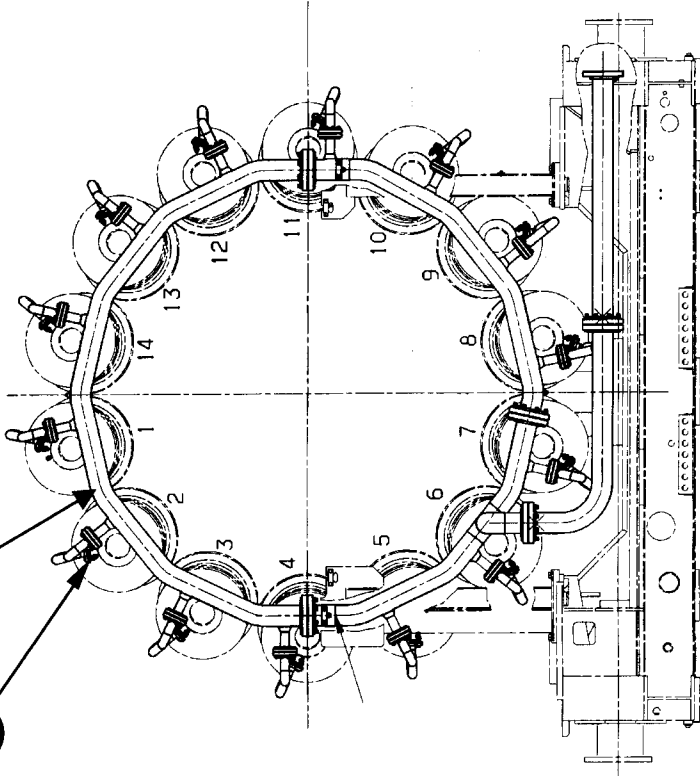


VUE EN ELEVATION

MANIFOLD GAZ

10

AXE T.G



VUE K

DRAWINGS

- LIQUID FUEL SYSTEM -

PART	NOMENCLATURE	
1	20CF-1	Fuel pump clutch solenoid
2	33FL-1, 2	Liquid fuel stop valve limit switch
3	63FL-2	Liquid fuel pressure upstream
4	63LF-3	Liquid fuel pressure transmitter
5	65FP	Liquid fuel pump (by-pass valve) servo valve
6	77FD-1, 2, 3	Flow divider magnetic pickup - speed
7	88FM	Flow divider starting motor
8	FD1-1	Flow divider
9	FF2-1	High pressure fuel oil filter
10	FH3-1	Hydraulic supply filter - liquid fuel servo
11	PF1	Main fuel oil pump
12	VA17-1	False start drain valve - combustion wrapper
13	VA17-2	False start drain valve - exhaust frame
14	VA17-5	False start drain valve - exhaust plenum
15	VC3-1	By-pass control valve
16	VCK1-1 to 14	Liquid fuel nozzle check valve
17	VR4	Main fuel pump pressure relief valve
18	VR27	Pressure relief valve on liquid fuel piping
19	VS1	Fuel oil stop valve
20		Selector valve
21		Manometer (OF-2)

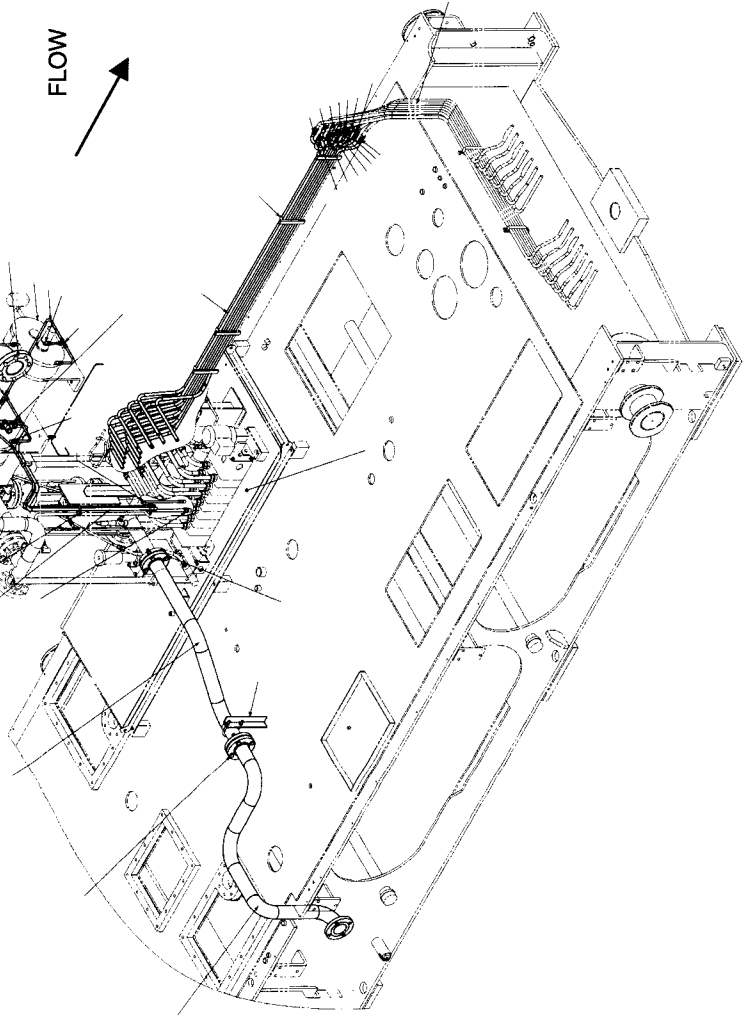
DRAWINGS

- LIQUID FUEL SYSTEM -

11 CONTINUED ON VIEW E

SEE VIEW A

FLOW

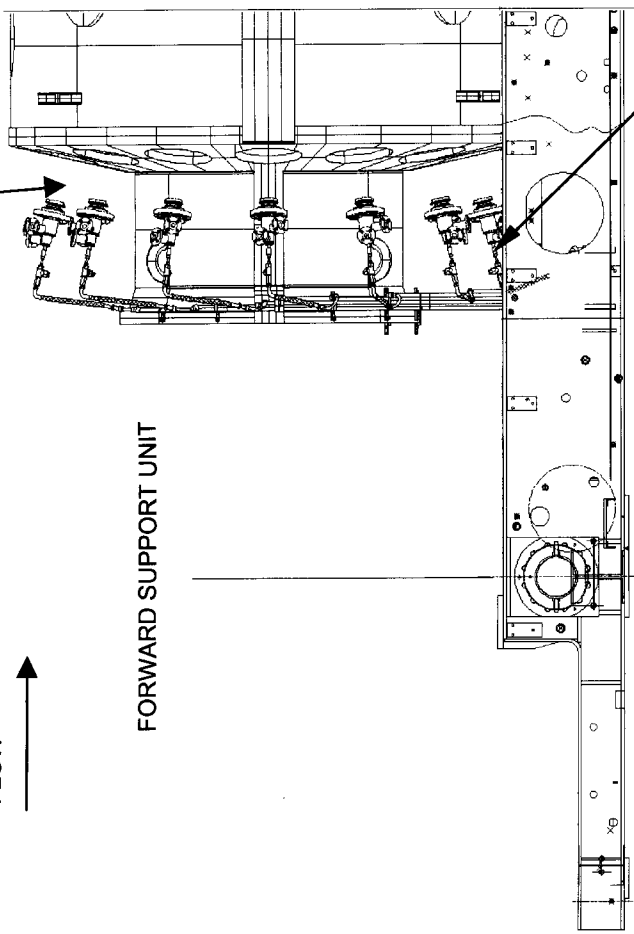


ACCESSORY BASE
(ISOMETRIC VIEW)

COMBUSTION CHAMBERS ASSY.

FLOW

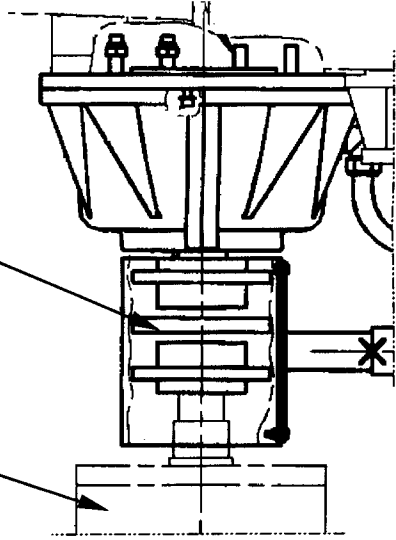
FORWARD SUPPORT UNIT



ELEVATION VIEW

1

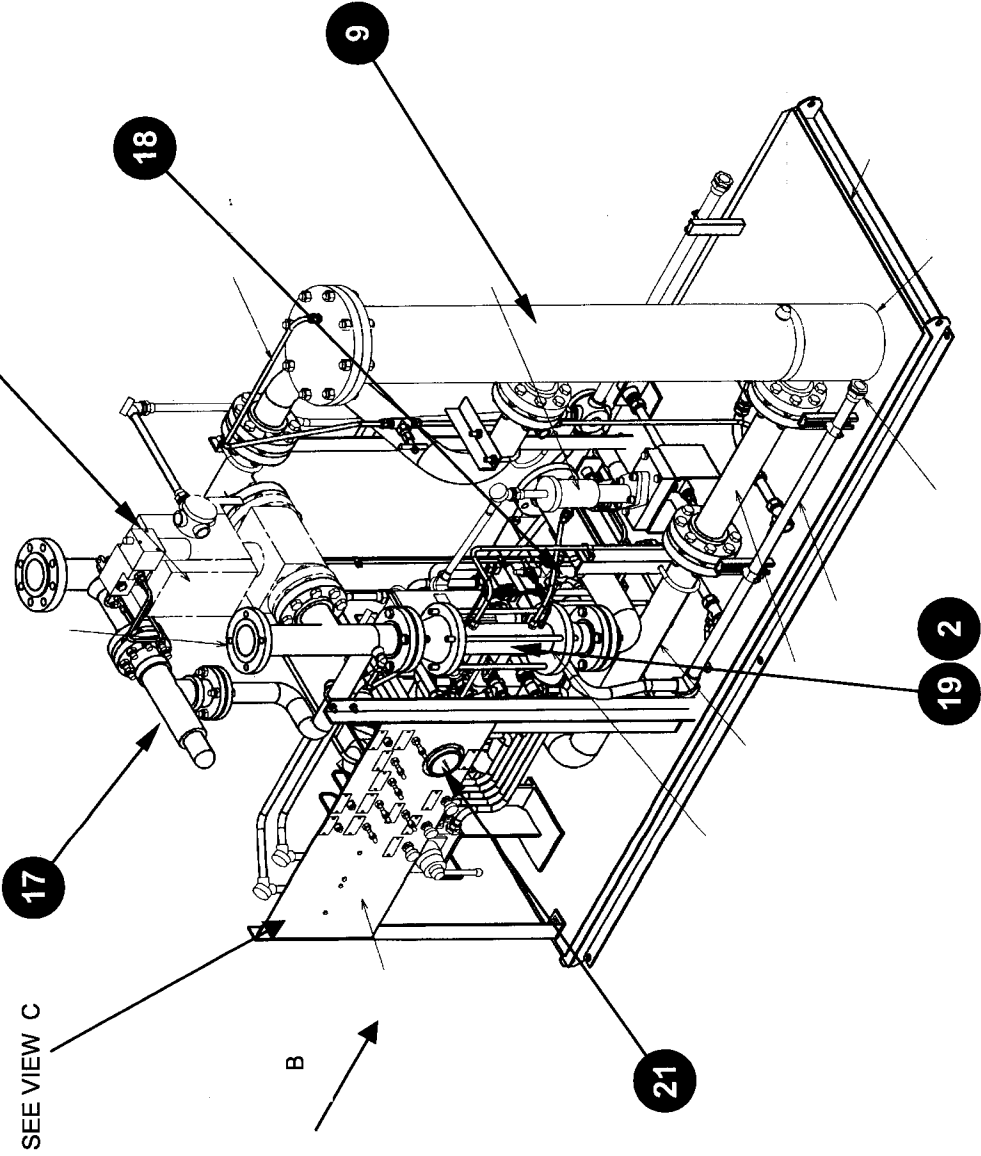
11



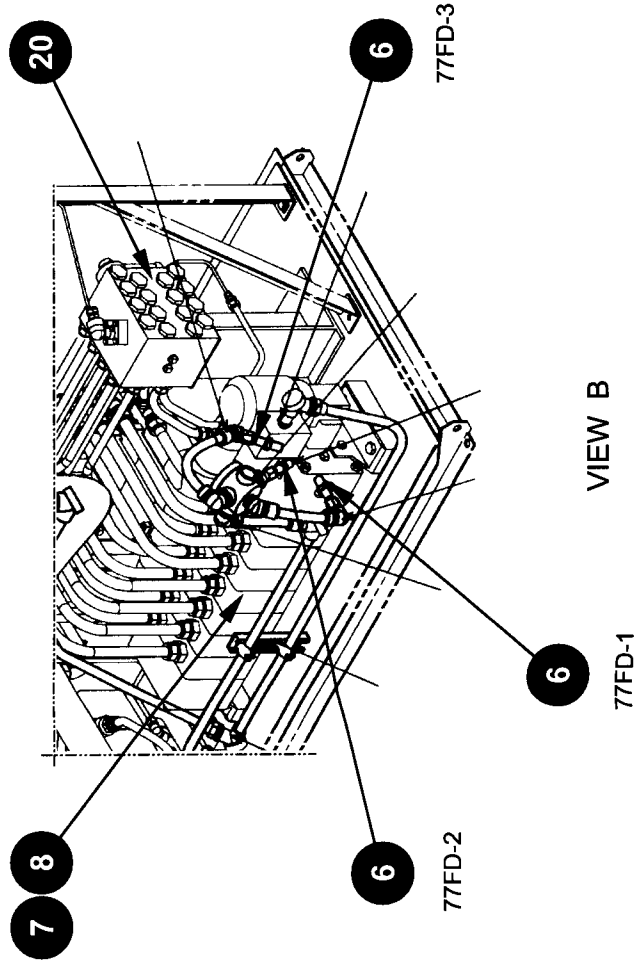
VIEW E

DRAWINGS

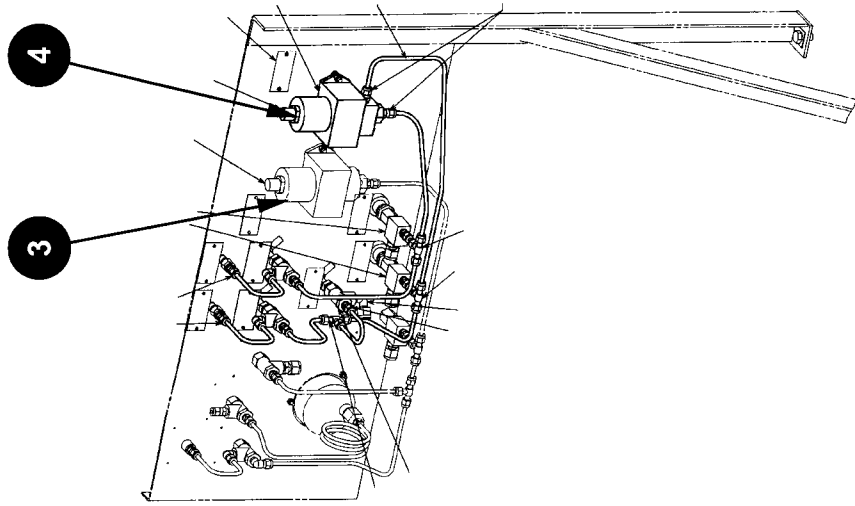
- LIQUID FUEL SYSTEM -



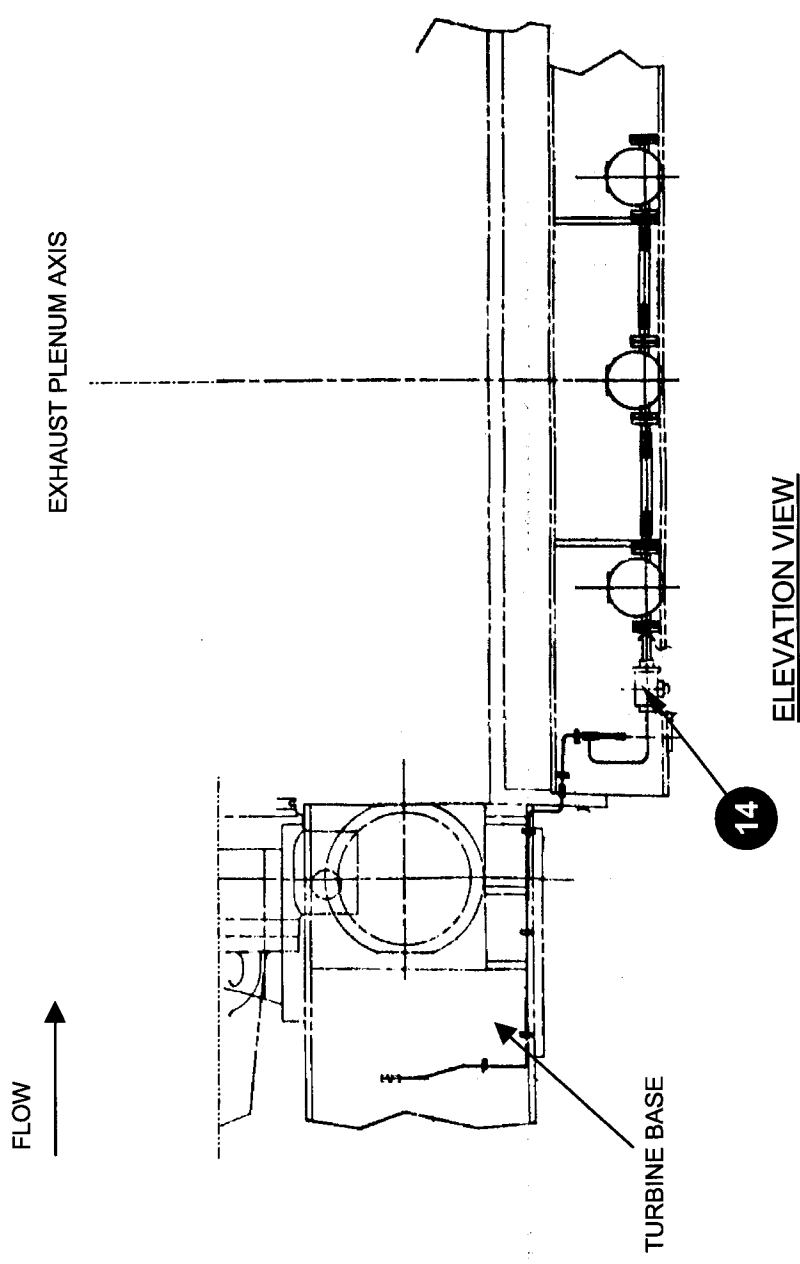
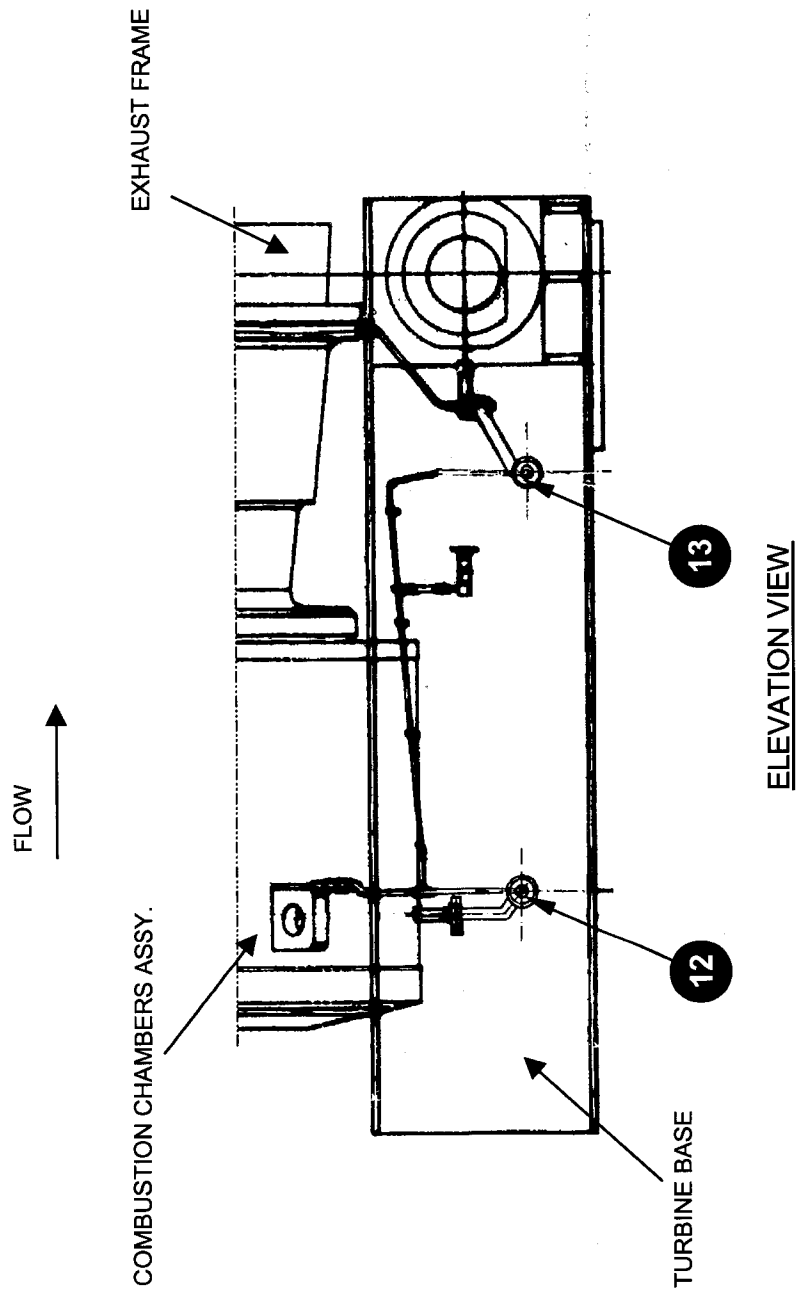
VIEW A
(ISOMETRIC VIEW)



VIEW B



VIEW C
(AFT SIDE)



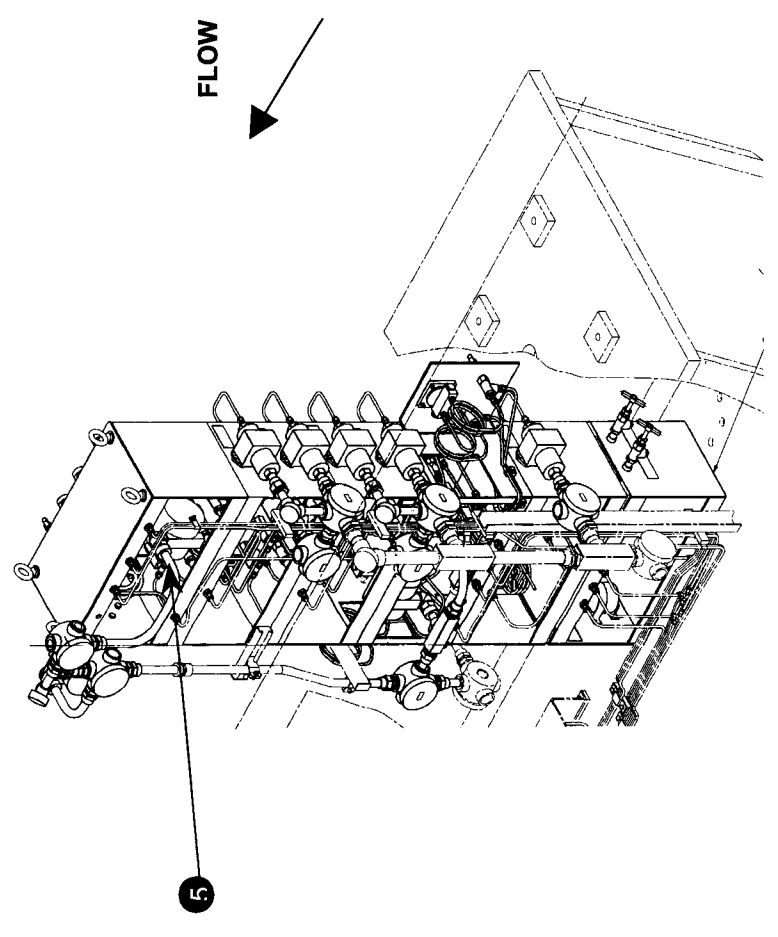
DRAWINGS

- ATOMIZING AIR SYSTEM -

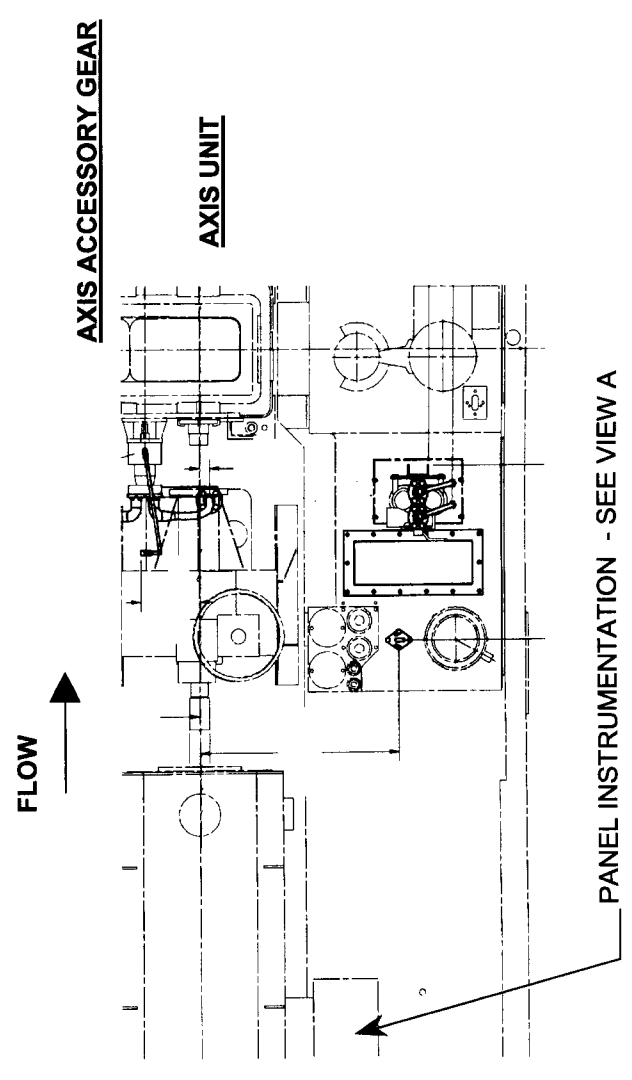
PART	NOMENCLATURE	
1	20AA-1	Atomizing air by-pass solenoid 3 way valve
2	20AB-1	(Starting) booster atomising air solenoid valve
3	23AB-1	Motor space heater for 88AB-1
4	88AB-1	Starting atomising air compressor motor
5	96AD-1	Atomizing air compressor differential pressure transmitter
6	AAT-1A, 2A	Atomizing air cooler discharge thermocouple – alarm
7	CA1	Main atomising air compressor
8	CA2	Booster atomising air compressor
9	FA4-1	Atomizing air control filter
10	HX1-1	Atomizing air pre-cooler
11	VA18-1	Atomizing air compressor by-pass
12	VA22-1	Booster atomizing air compressor isolation valve
13	VPR68-1	Pressure regulation valve booster atomising air isolation valve

DRAWINGS

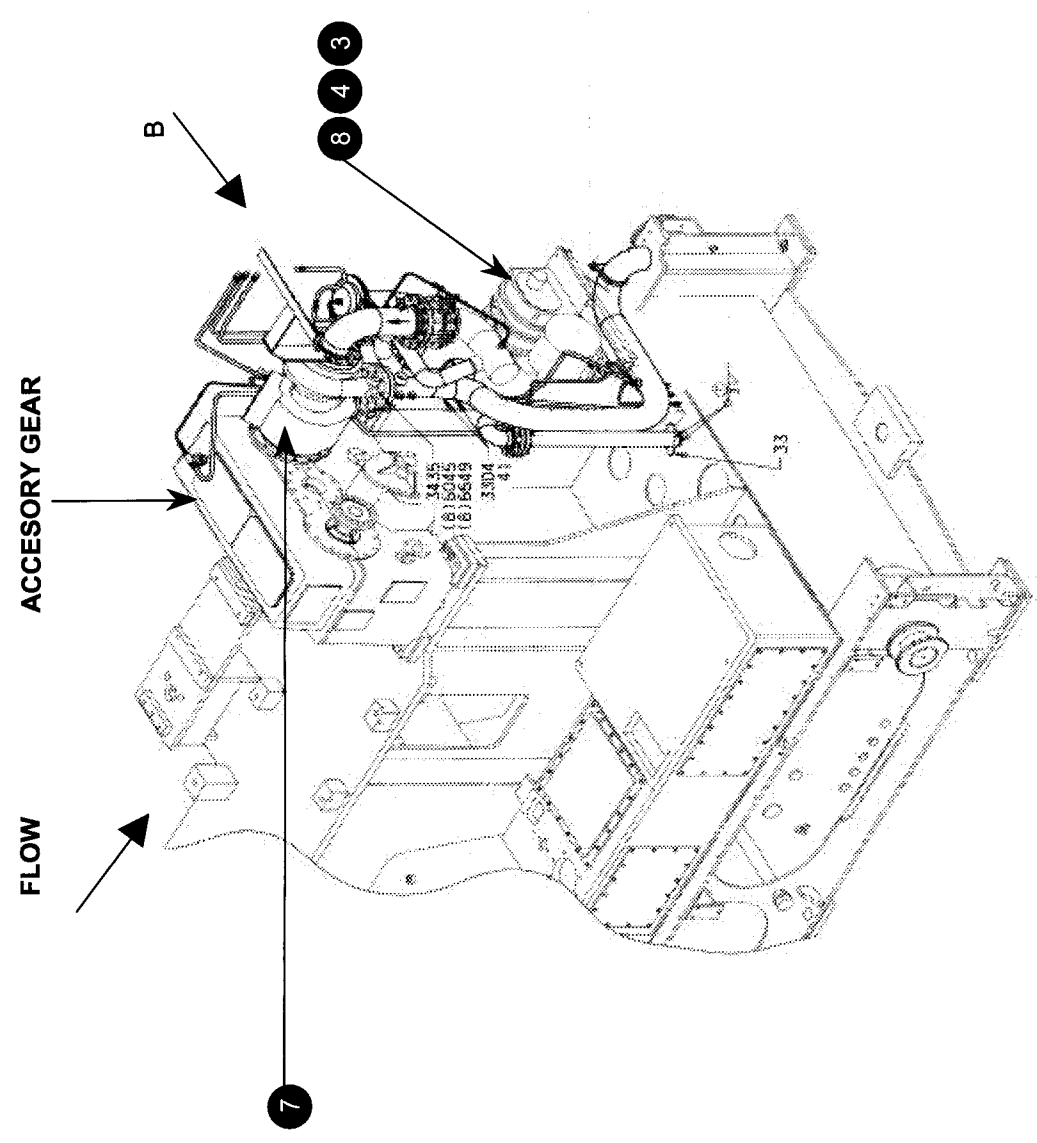
- ATOMIZING AIR SYSTEM -



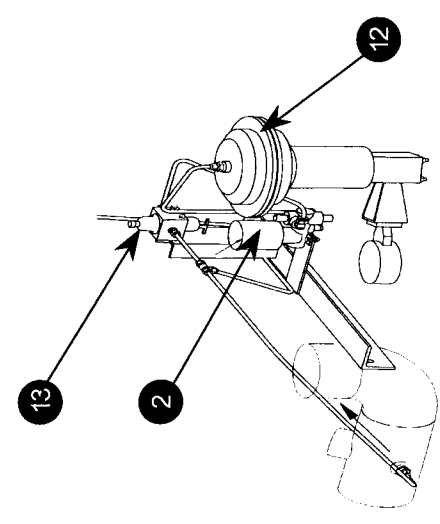
VIEW A - ELEVATION VIEW



ACCESSORY BASE - PLAN VIEW



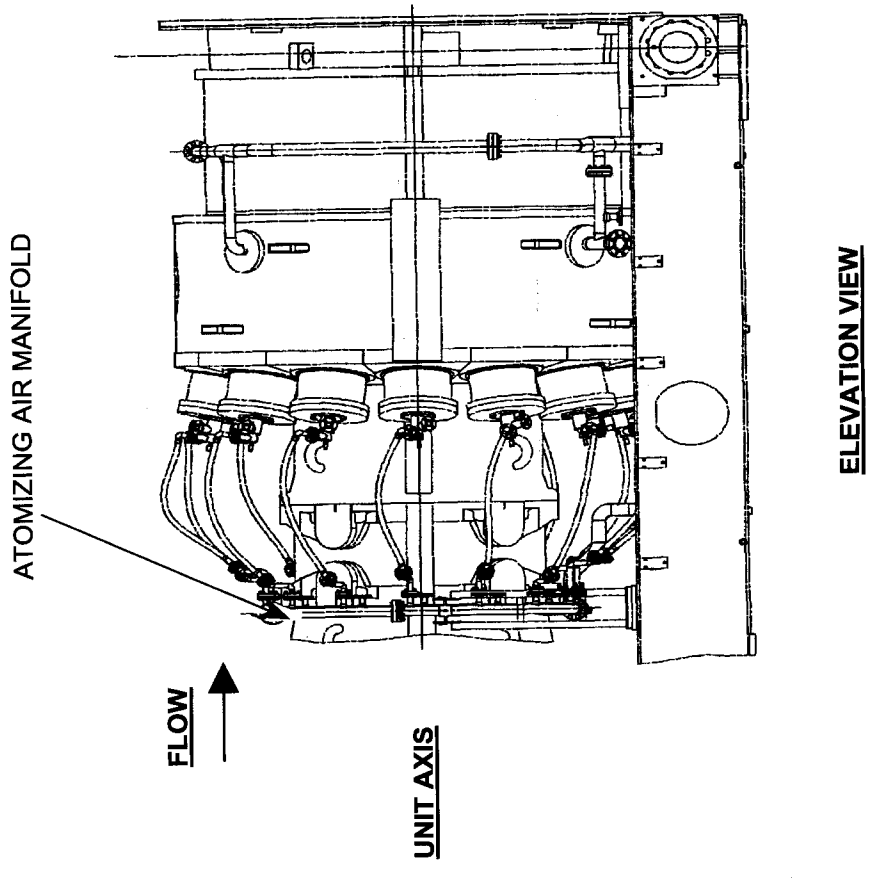
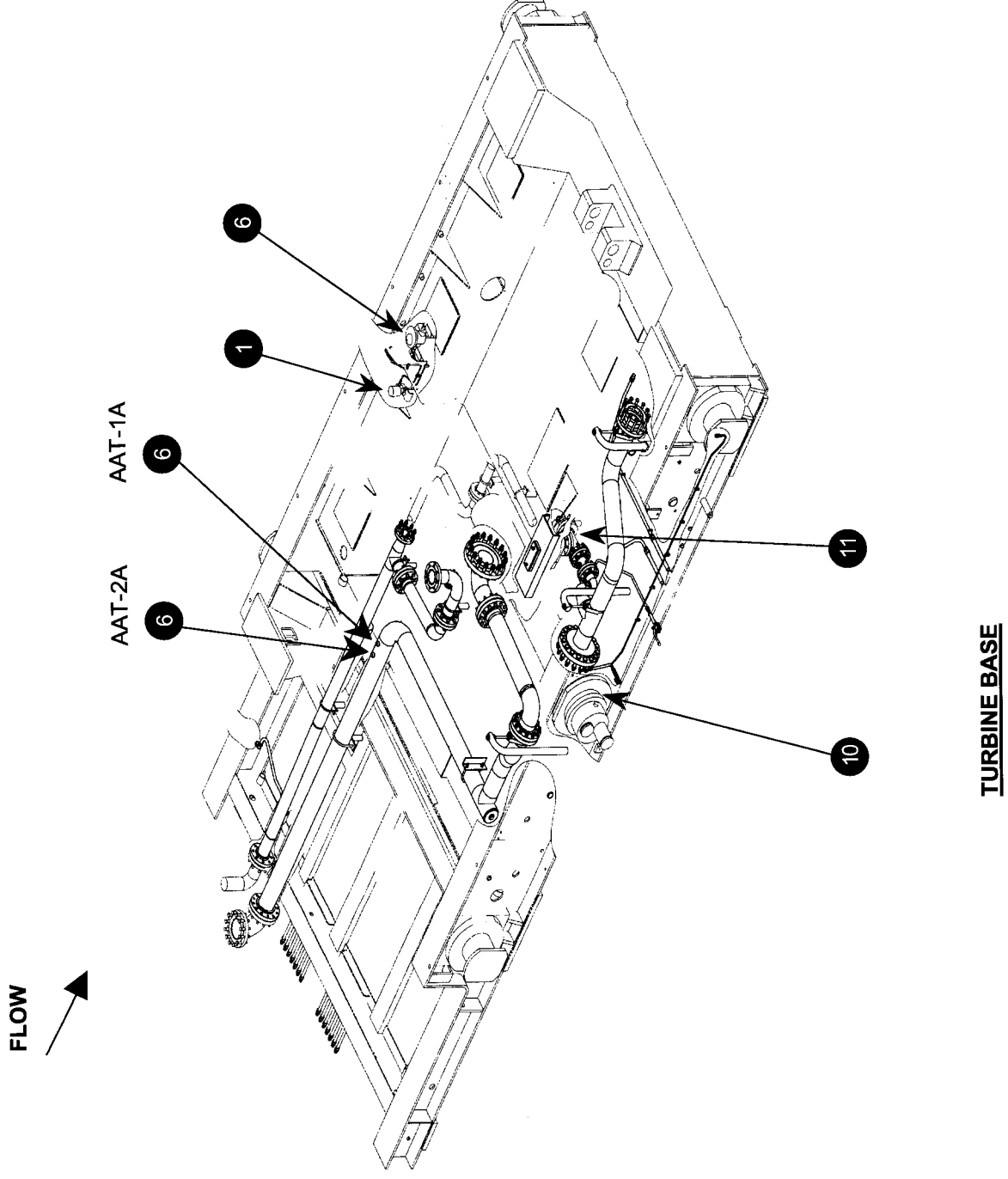
ACCESSORY BASE - ISOMETRIC VIEW



VIEW B

DRAWINGS

- ATOMIZING AIR SYSTEM -



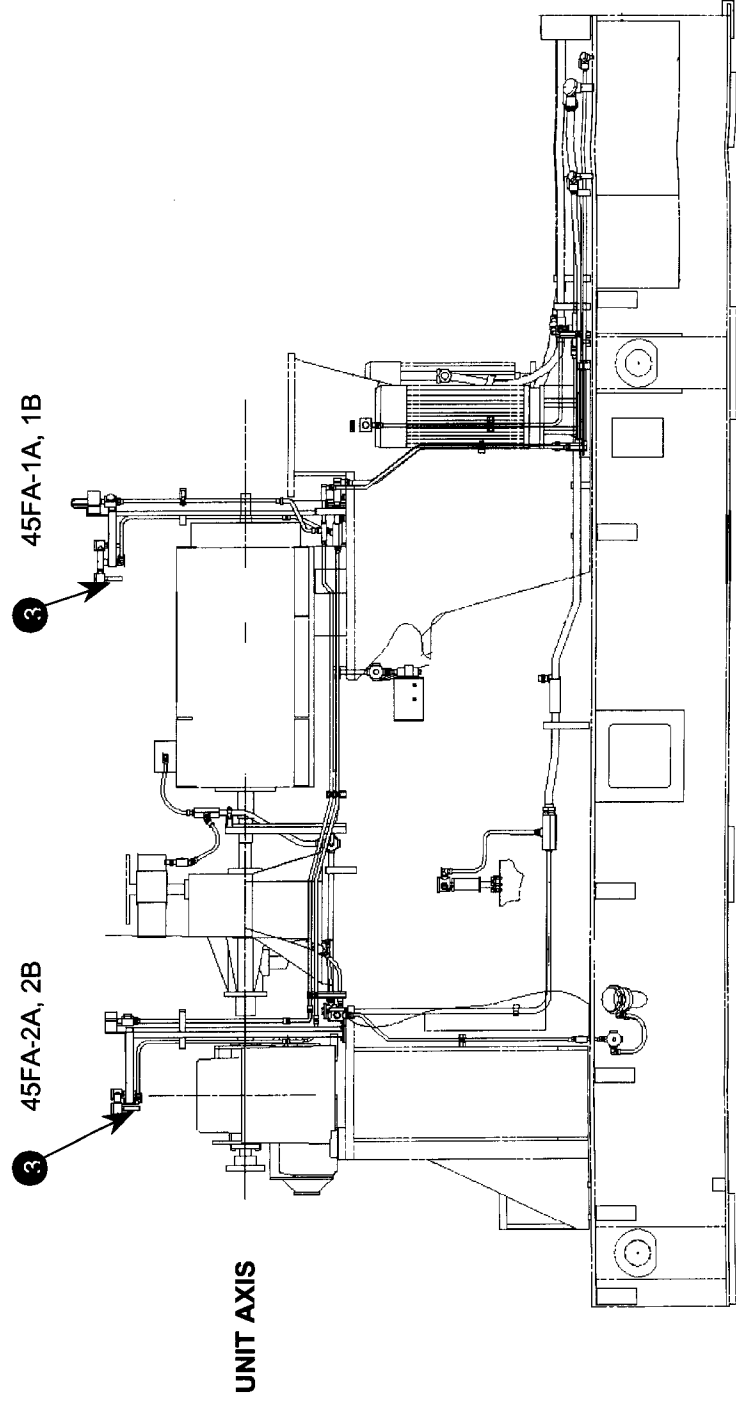
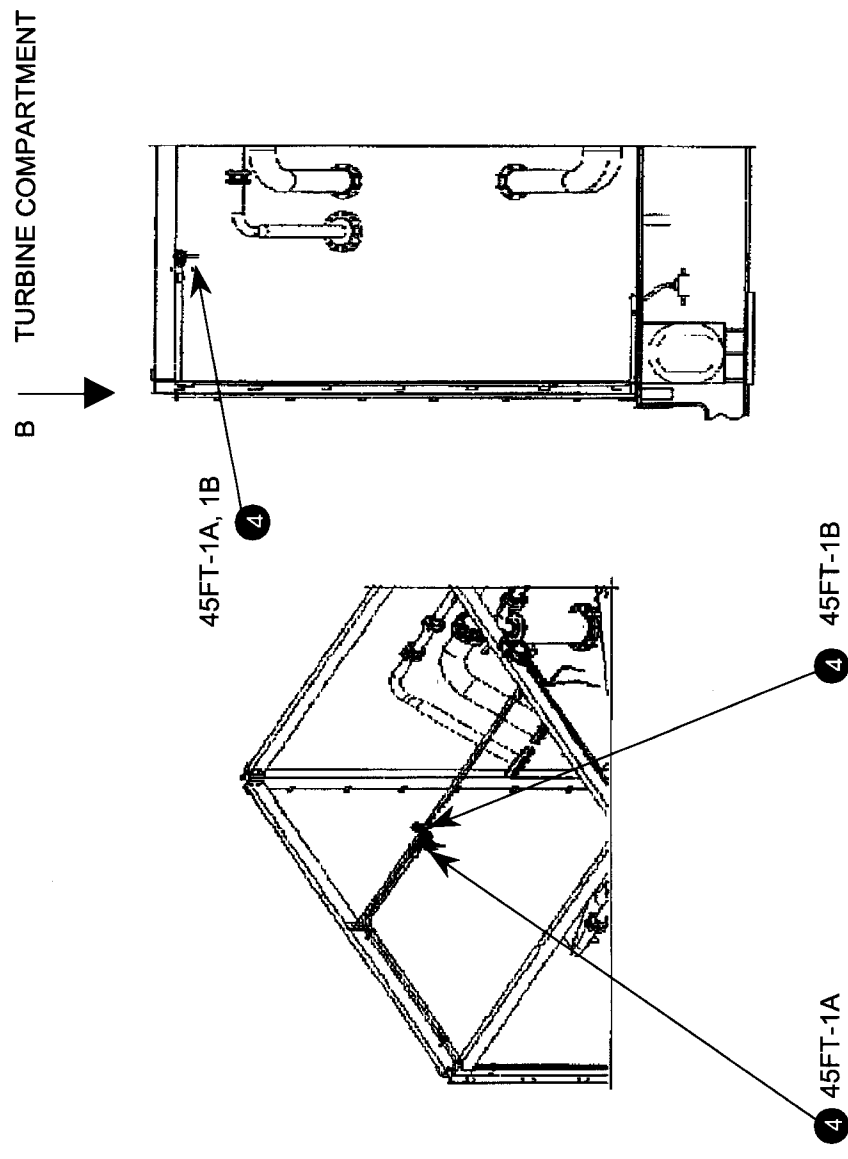
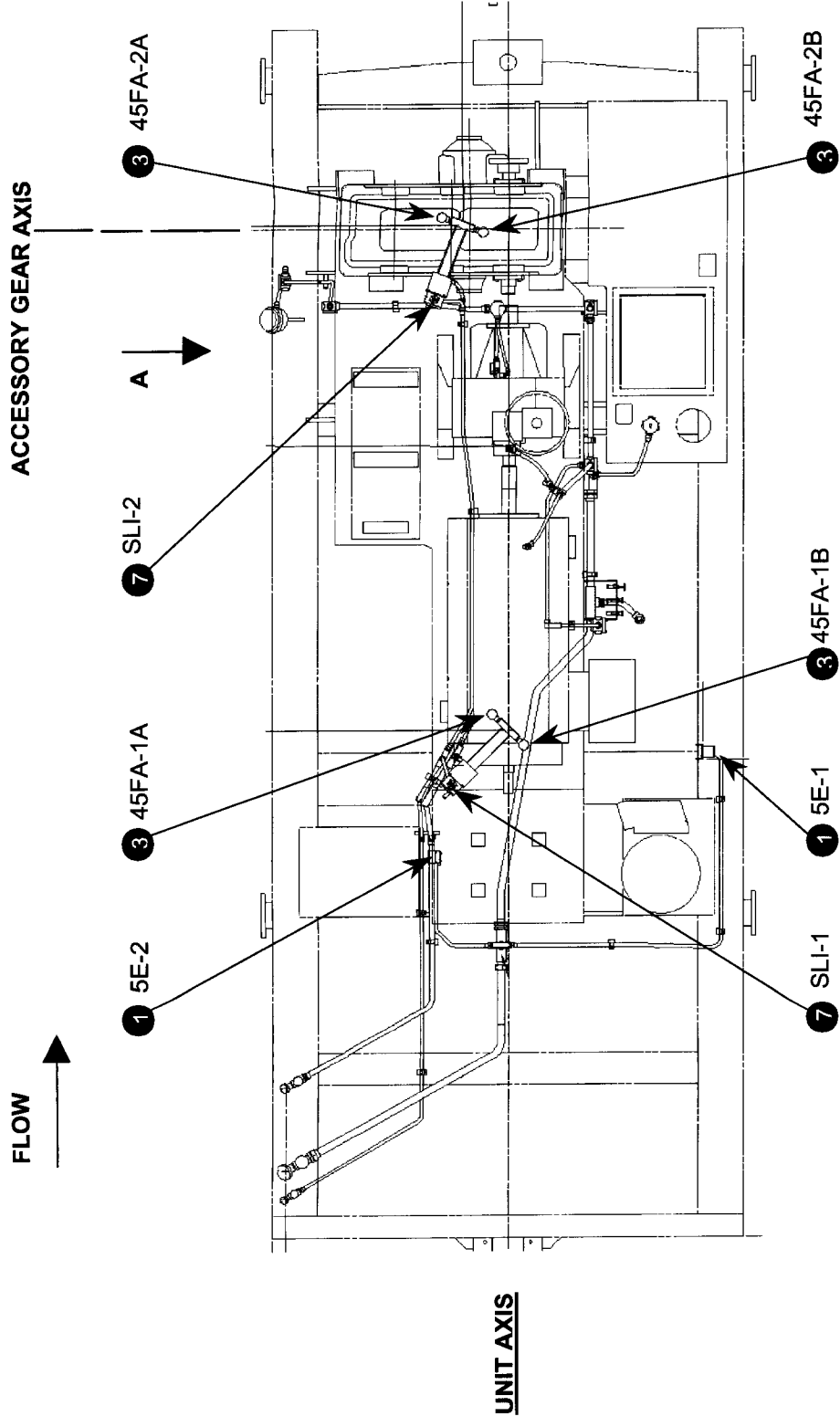
DRAWINGS

- FIRE PROTECTION SYSTEM -

PART	NOMENCLATURE	
1	5E-1,2	Emergency stop button accessory compartment
2	43CP-1 to 5	CO2 release break glass unit
3	45FA-1A, 1B 2A, 2B	Fire detector – accessory compartment
4	45FT-1A, 1B 2A, 2B 3A, 3B	Fire detector – turbine compartment
5	45FT-8A, 8B	Fire detector - # bearing tunnel
6	45FT-9A, 9B	Fire detector – load compartment
7	SLI-1, 2	Light warning accessory compartment
8	SLI-1A, 1B 1C, 2C, 3C	Fire alarm : horn and flashing light unit

DRAWINGS

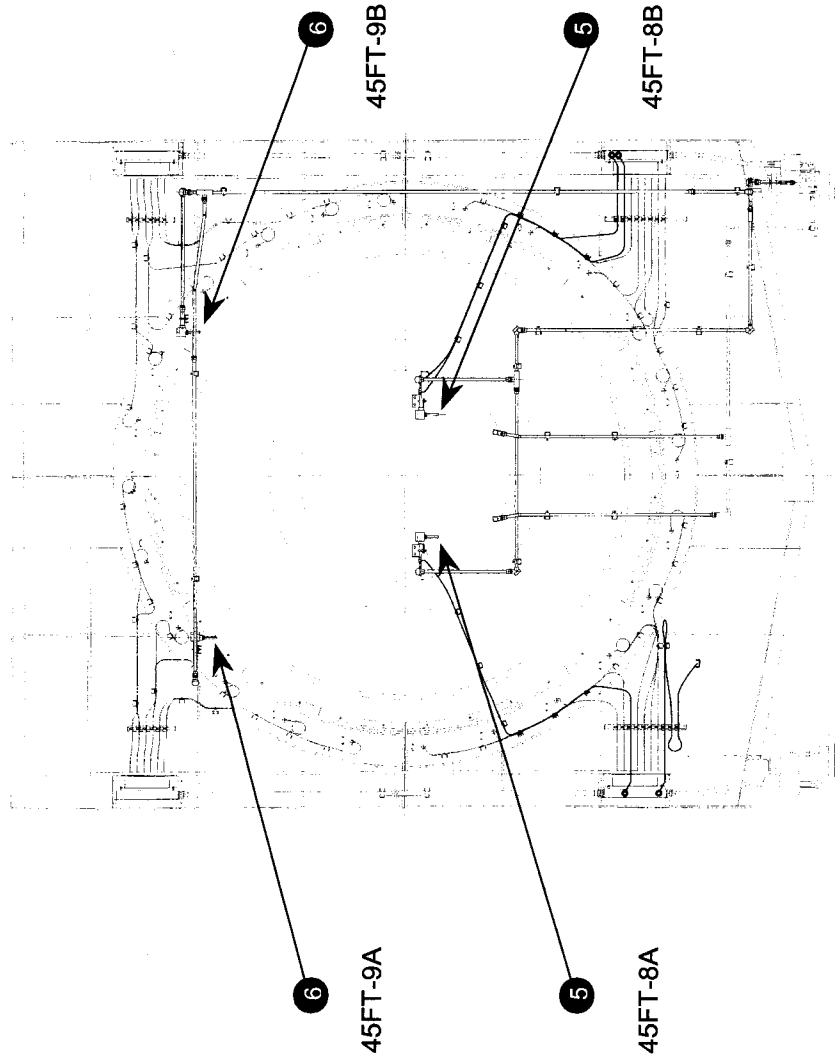
- FIRE PROTECTION SYSTEM -



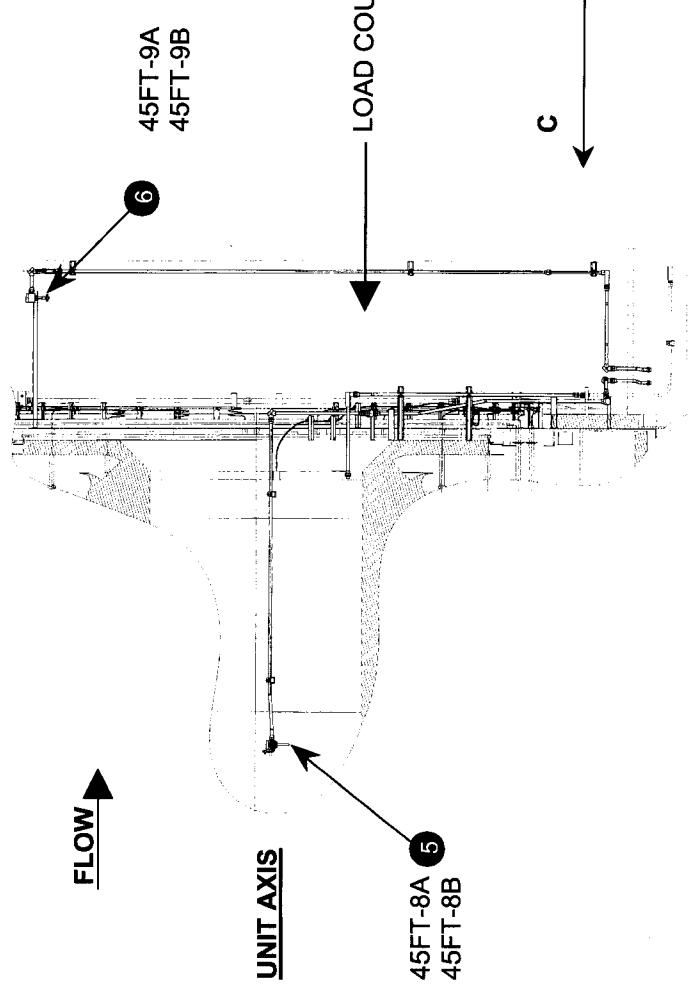
DRAWINGS

- FIRE PROTECTION SYSTEM -

UNIT AXIS

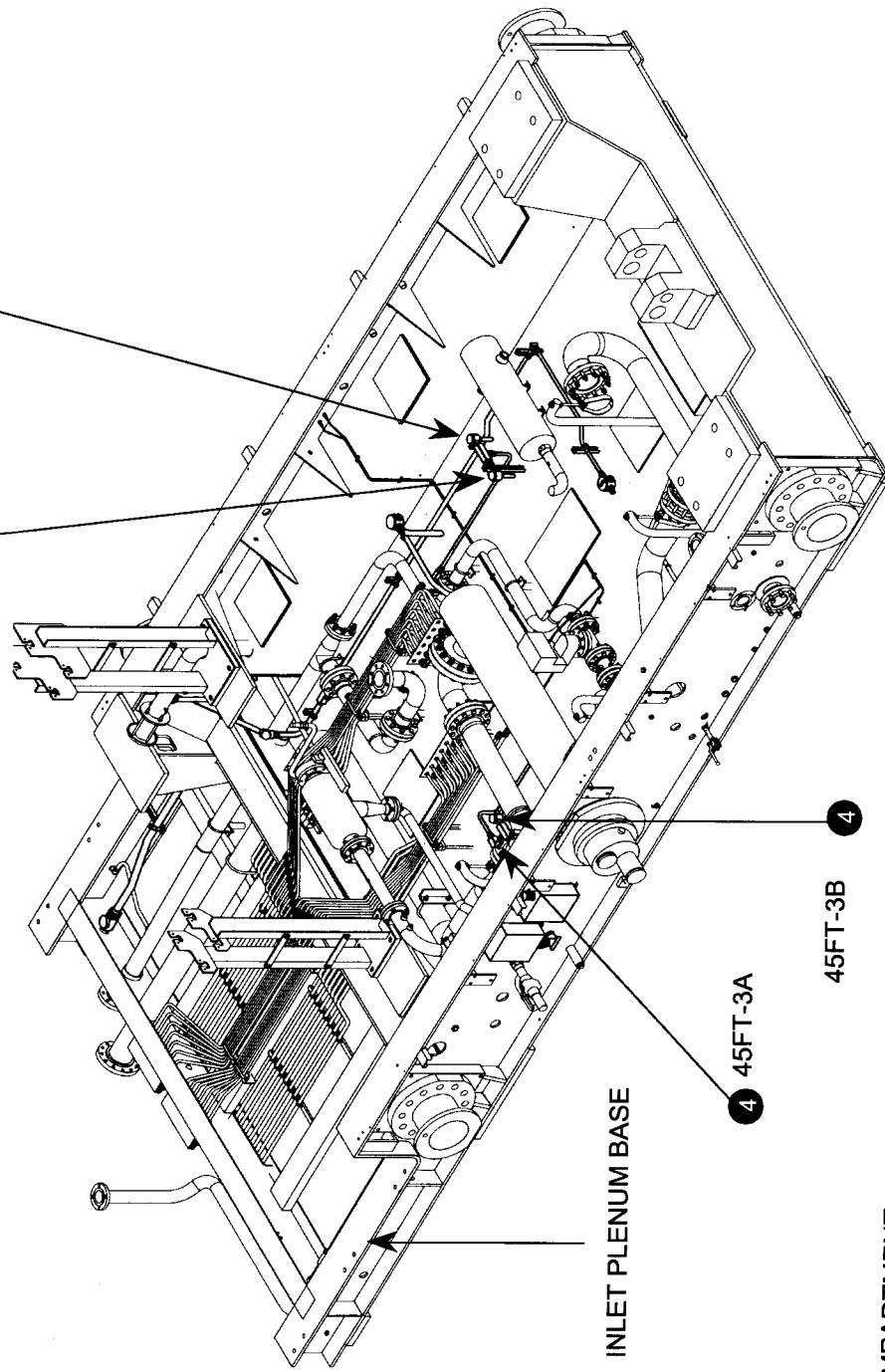


VIEW C



ELEVATION VIEW

FLOW

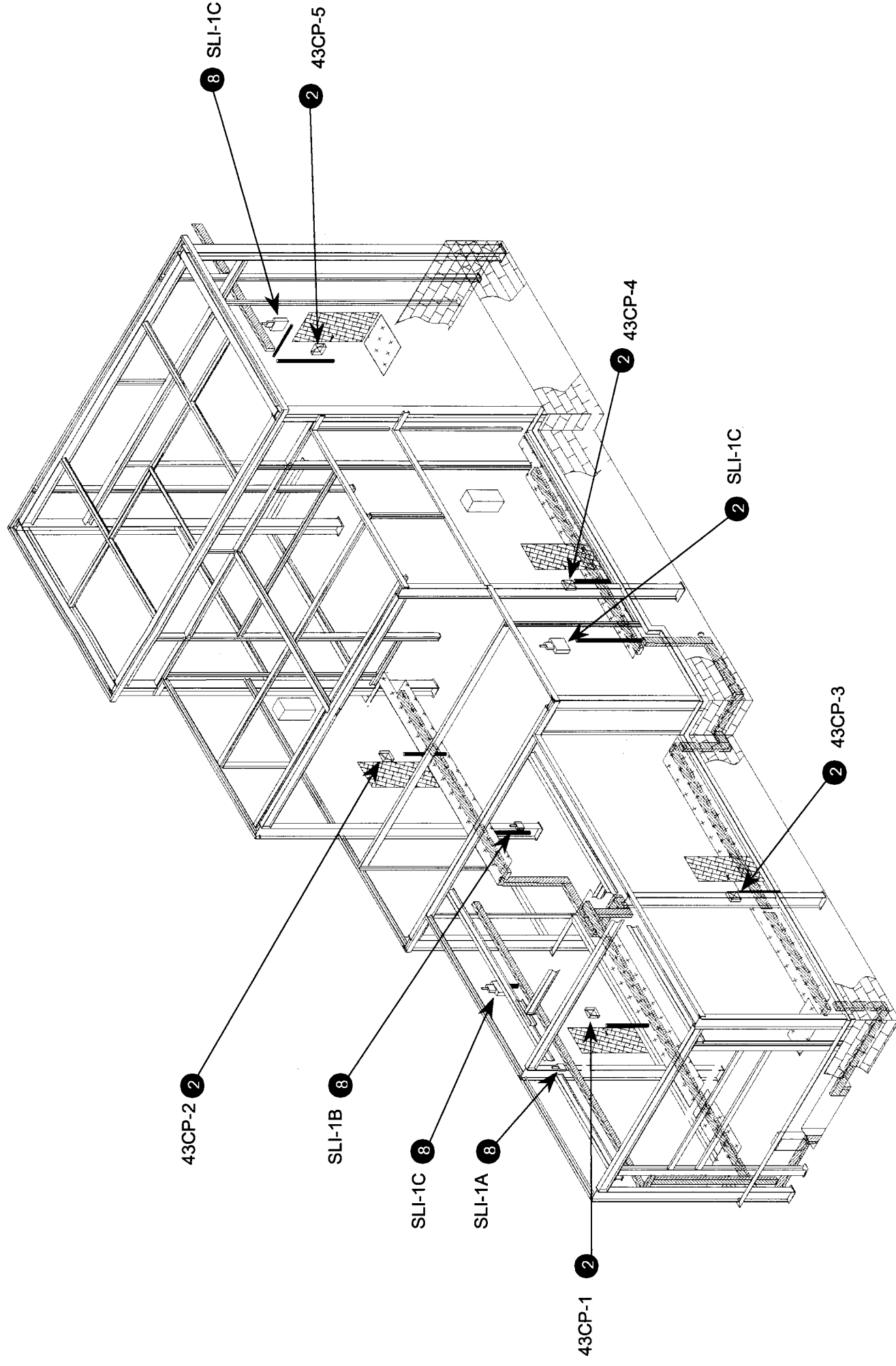


INLET PLENUM BASE

TURBINE BASE (ISOMETRIC VIEW)

DRAWINGS

- FIRE PROTECTION SYSTEM -



ACOUSTICAL ENCLOSURE

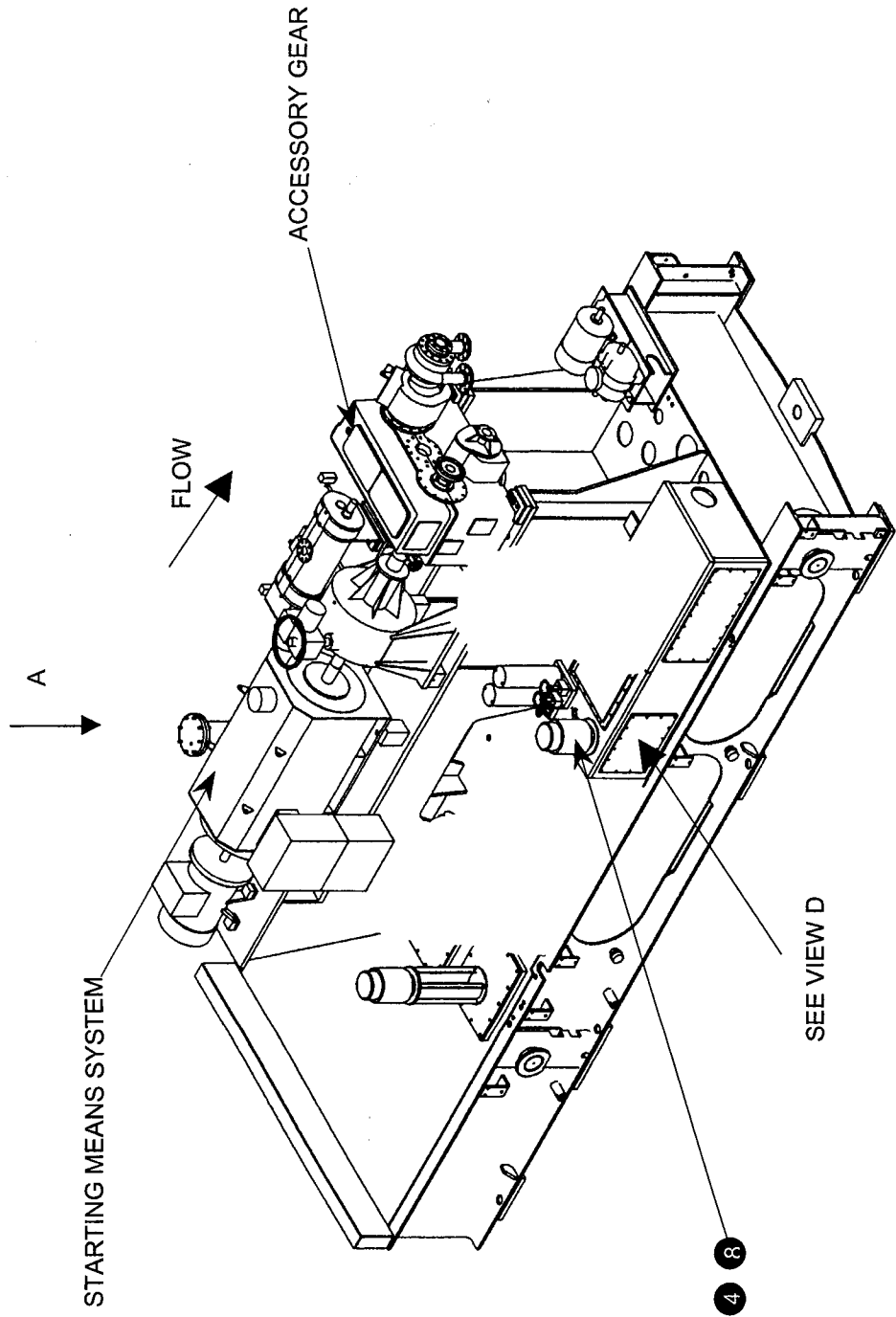
DRAWINGS

- HYDRAULIC SUPPLY SYSTEM -

PART	NOMENCLATURE	
1	23HQ-1	Motor space heater for 88HQ-1
2	63HF-1	Hydraulic filter differential pressure alarm
3	63HQ-1	Low hydraulic supply pressure auxiliary pump start
4	88HQ-1	(Auxiliary) hydraulic supply pump motor
5	AH1-1, 2	Control oil hydraulic accumulator
6	FH2-1, 2	Hydraulic supply filter
7	PH1	Main hydraulic supply pump
8	PH2	Auxiliary hydraulic supply pump
9	VAB1	Hydraulic system air bleed valve (main.)
10	VAB2	Hydraulic system air bleed valve (auxiliary)
11	VCK3-1	Hydraulic pump check valve for main pump
12	VCK3-2	Hydraulic pump check valve for auxiliary pump
13	VPR3-1	Compensator – hydraulic supply pump
14	VR21	Main hydraulic filter transfer valve
15	VR22	Auxiliary hydraulic supply pump pressure relief valve
16		Manifold

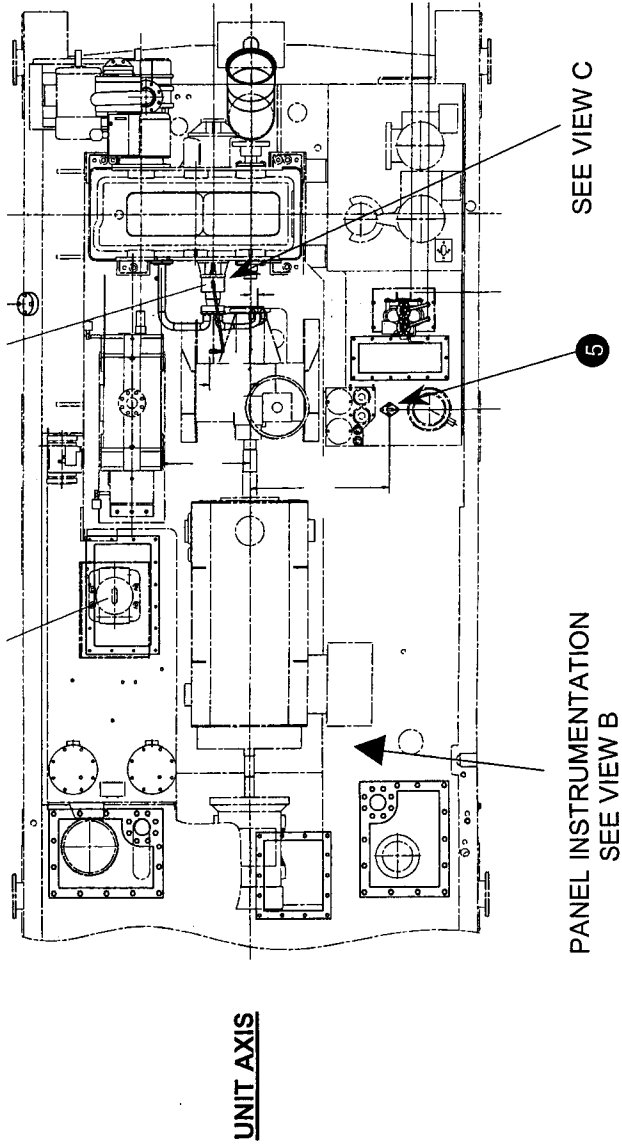
DRAWINGS

- HYDRAULIC SUPPLY SYSTEM -

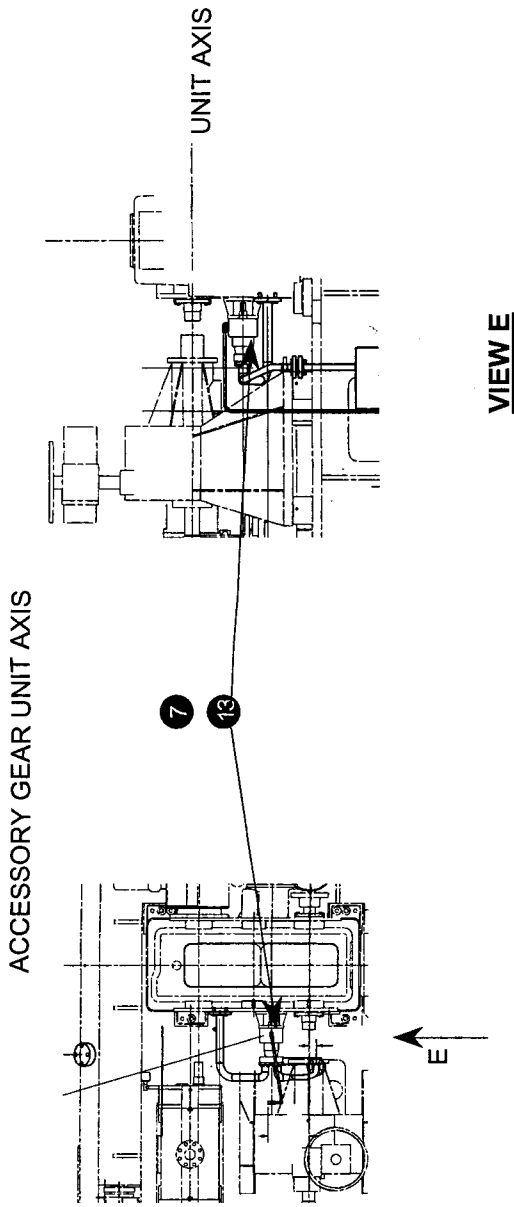


ELEVATION VIEW

ACCESSORY GEAR UNIT AXIS

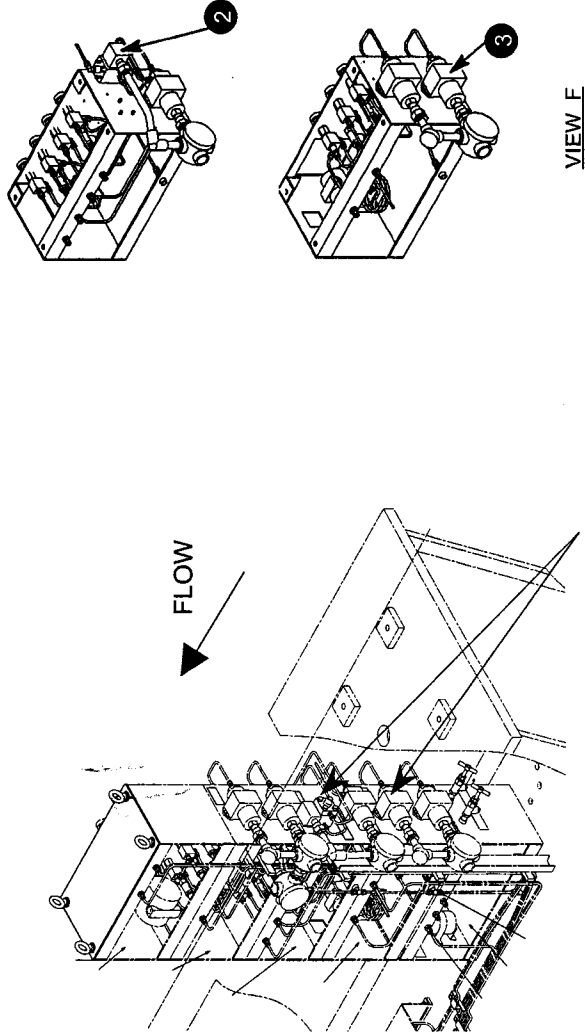


VIEW A



VIEW C

VIEW E



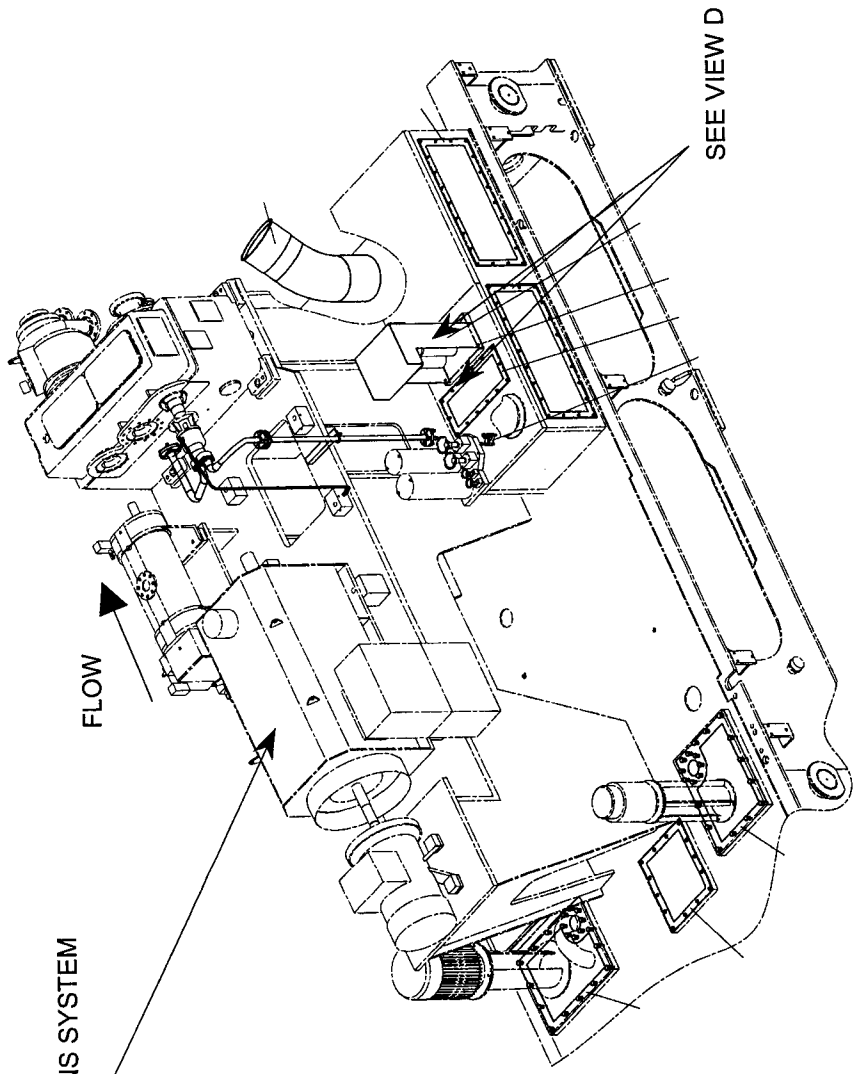
VIEW F

VIEW B
ELEVATION VIEW

DRAWINGS

- HYDRAULIC SUPPLY SYSTEM -

ACCESSORY GEAR

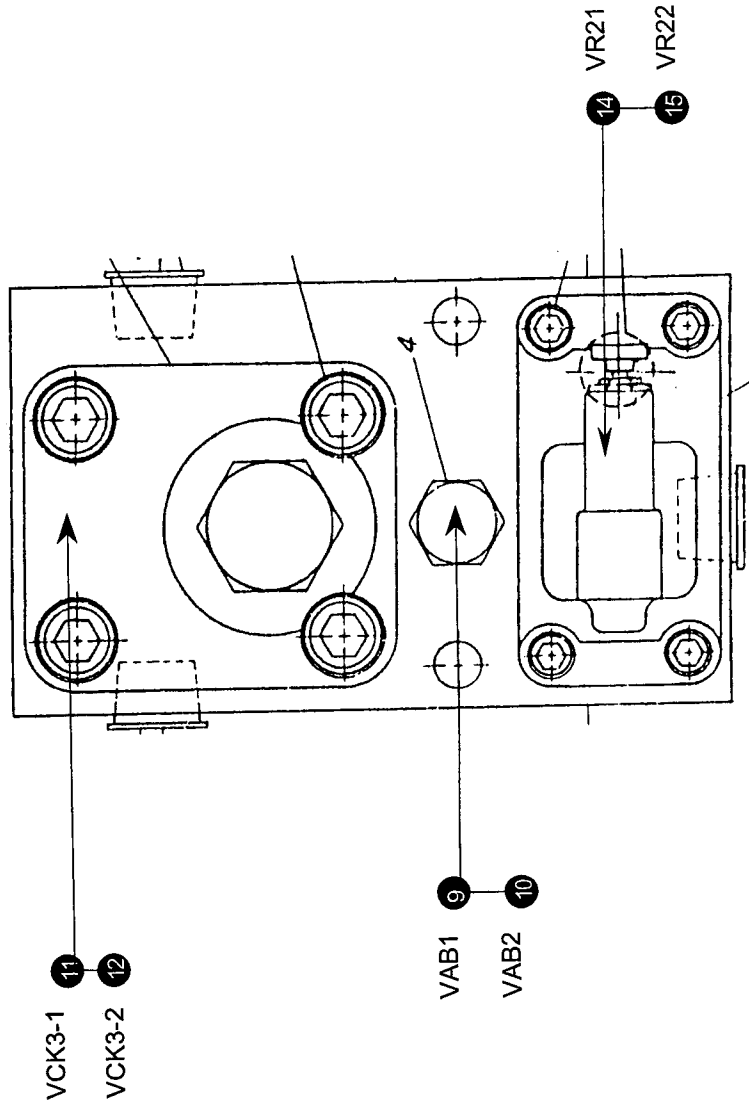


STARTING MEANS SYSTEM

FLOW

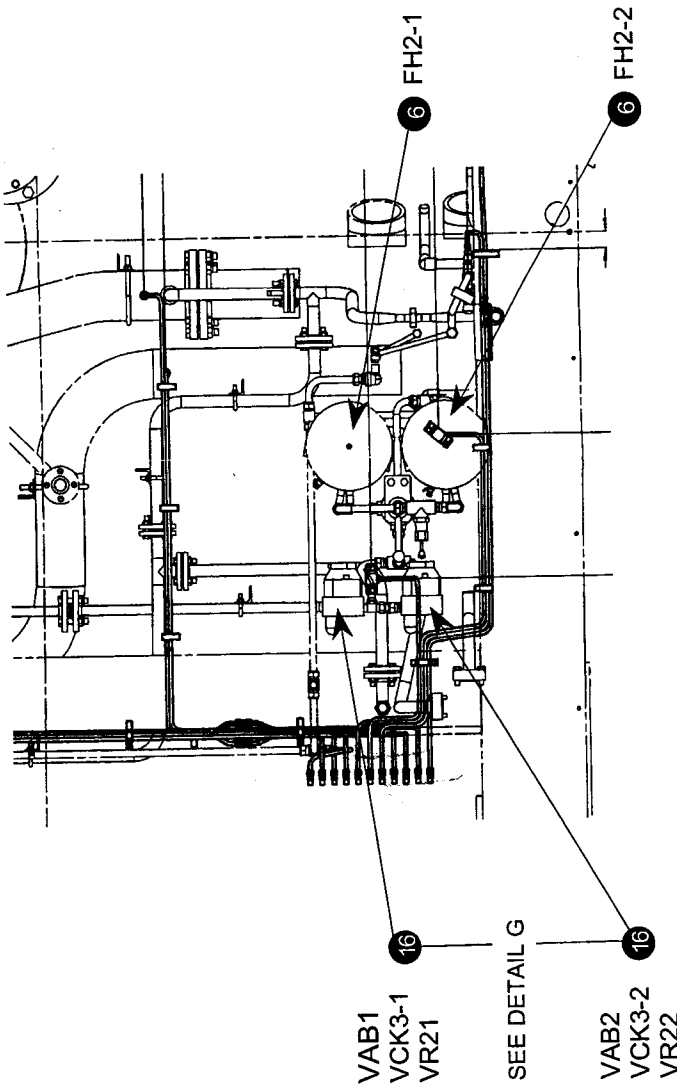
SEE VIEW D

ELEVATION VIEW



VIEW G – ELEVATION VIEW

ACCESSORY GEAR UNIT AXIS



VIEW D – PLAN VIEW

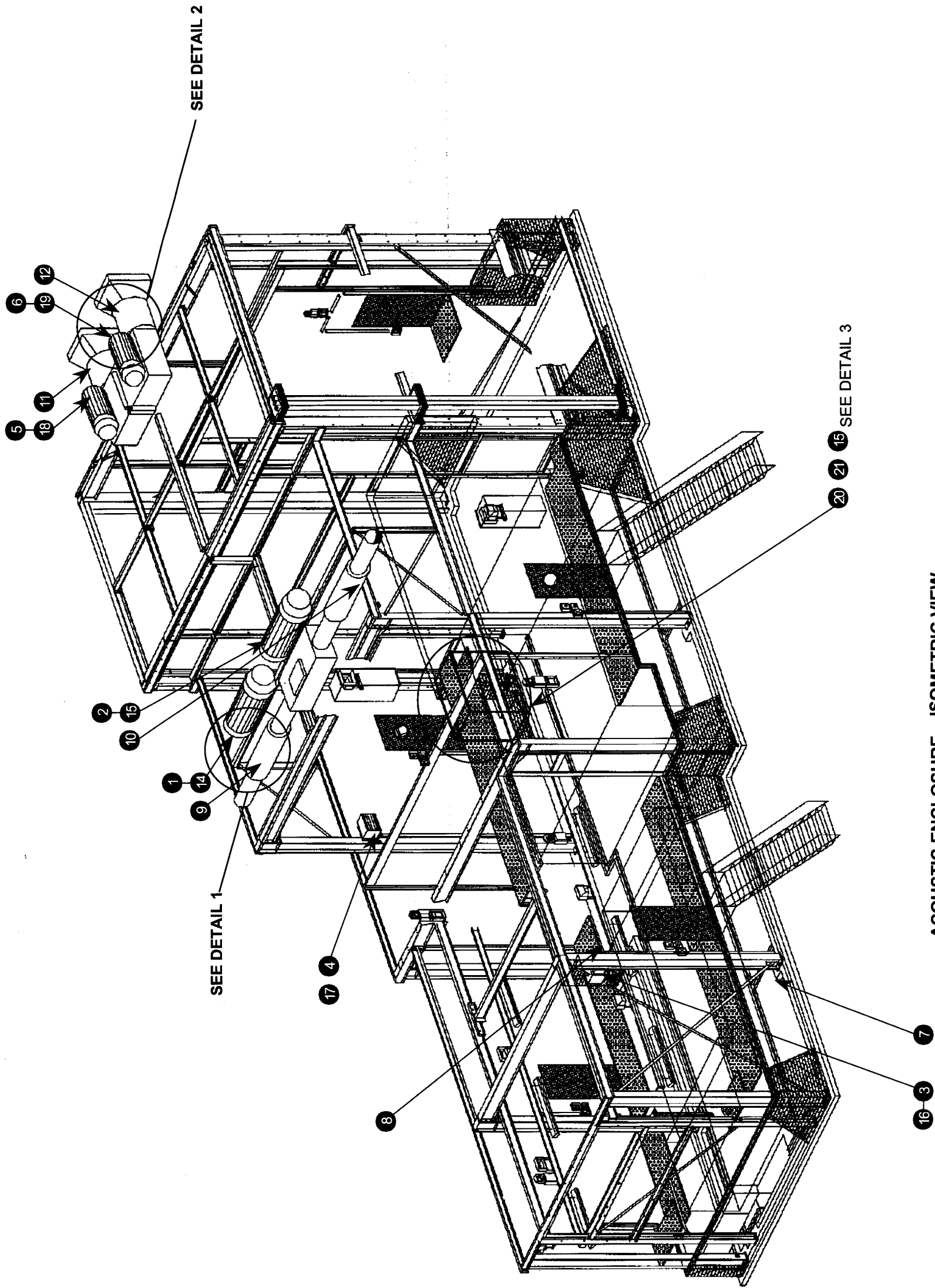
DRAWINGS

- FLOW, HEATING AND VENTILATION -

PART	NOMENCLATURE	
1	23BT-1	Anti-condensation heater for motor 88BT-1
2	23BT-2	Anti-condensation heater for motor 88BT-2
3	23HA	Accessory compartment heater
4	23HT	Acoustic GT enclosure heater
5	23VG-1	Motor space heater for 88VG-1
6	23VG-2	Motor space heater for 88VG-2
7	26HA	Thermostat, lower temperature in accessory compartment
8	26HT	Thermostat, lower temperature in acoustic enclosure
9	33BT-1	Position control of GT enclosure air inlet damper
10	33BT-2	Position control of GT enclosure air inlet damper
11	33VG-1	Position control of load compartment ventilation
12	33VG-2	Position control of load compartment ventilation
13	63VL	Gas valve compartment pressure switch
14	88BT-1	Cooling air fan motor – Acoustic enclosure
15	88BT-2	Cooling air fan motor – Acoustic enclosure
16	88HA	Air fan of 23HA
17	88HT	Air fan of 23HT
18	88VG-1	Cooling air fan motor – Load compartment
19	88VG-2	Cooling air fan motor – Load compartment
20	88VL-1	Cooling air fan motor – Gas compartment
21	88VL-2	Cooling air fan motor – Gas compartment
22	AT-LC-1	Load compartment temperature – resistance thermometer detector
23	AT-TC-1	Turbine compartment – Resistance thermometer detector

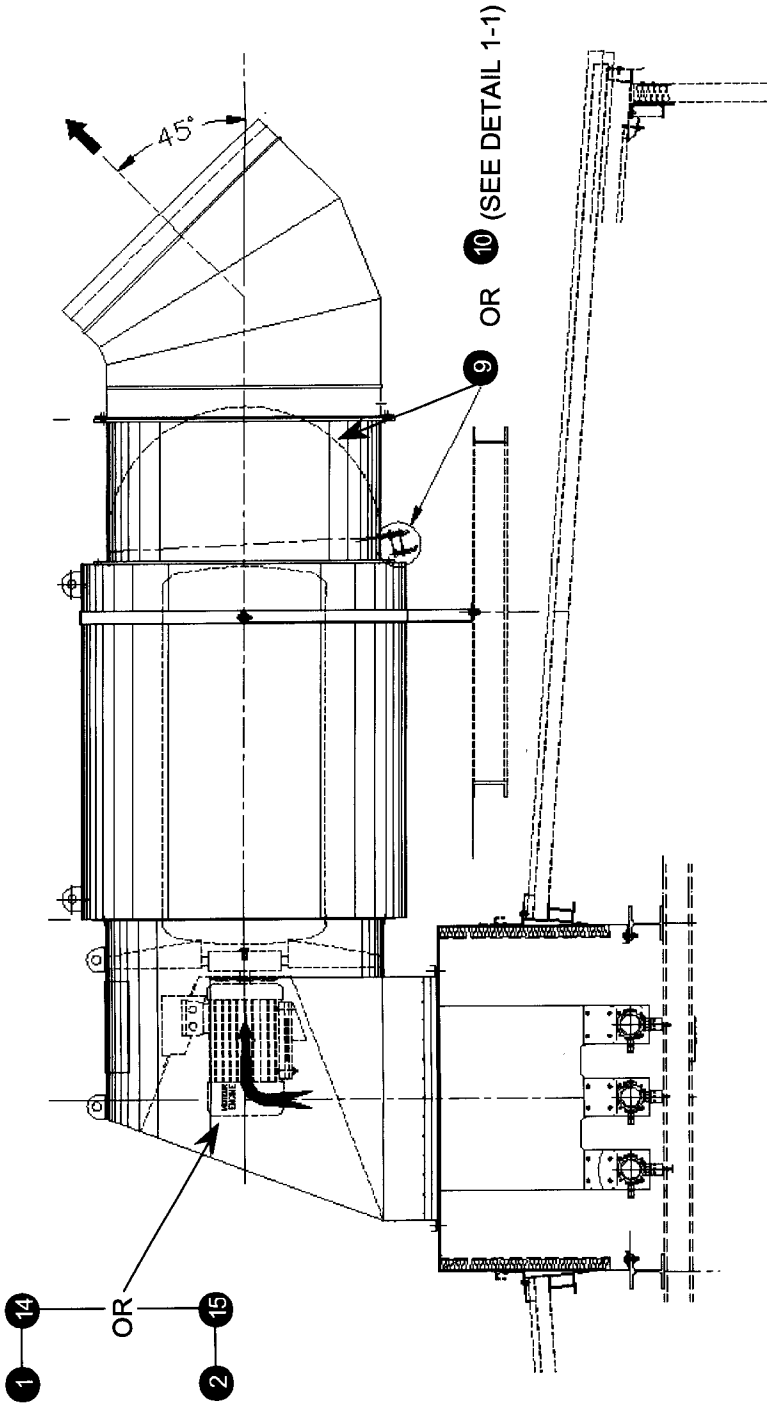
DRAWINGS

- FLOW, HEATING AND VENTILATION -

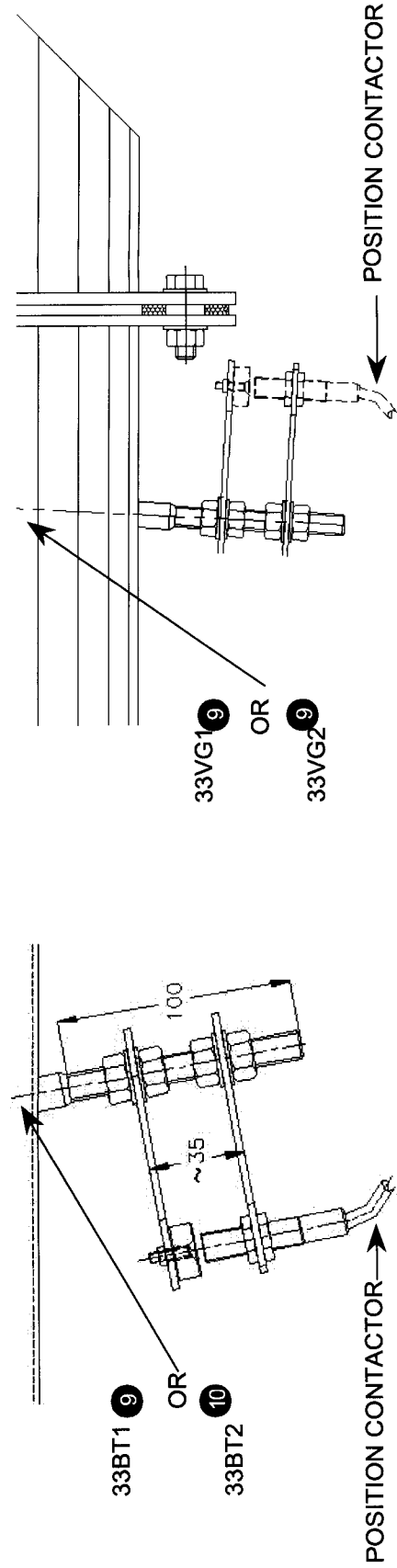


DRAWINGS

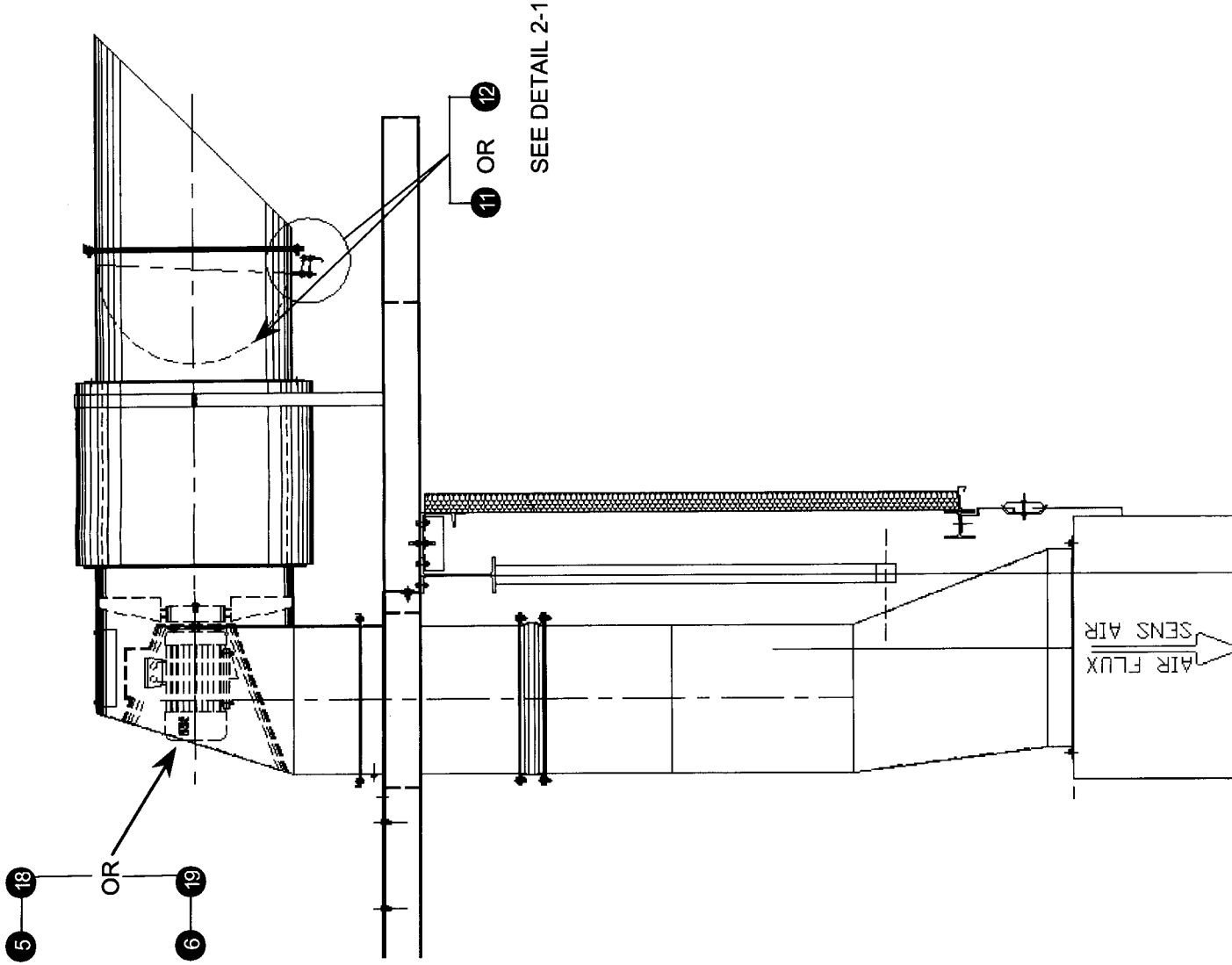
- FLOW, HEATING AND VENTILATION -



DETAIL 1 VIEW - BT VENTILATION

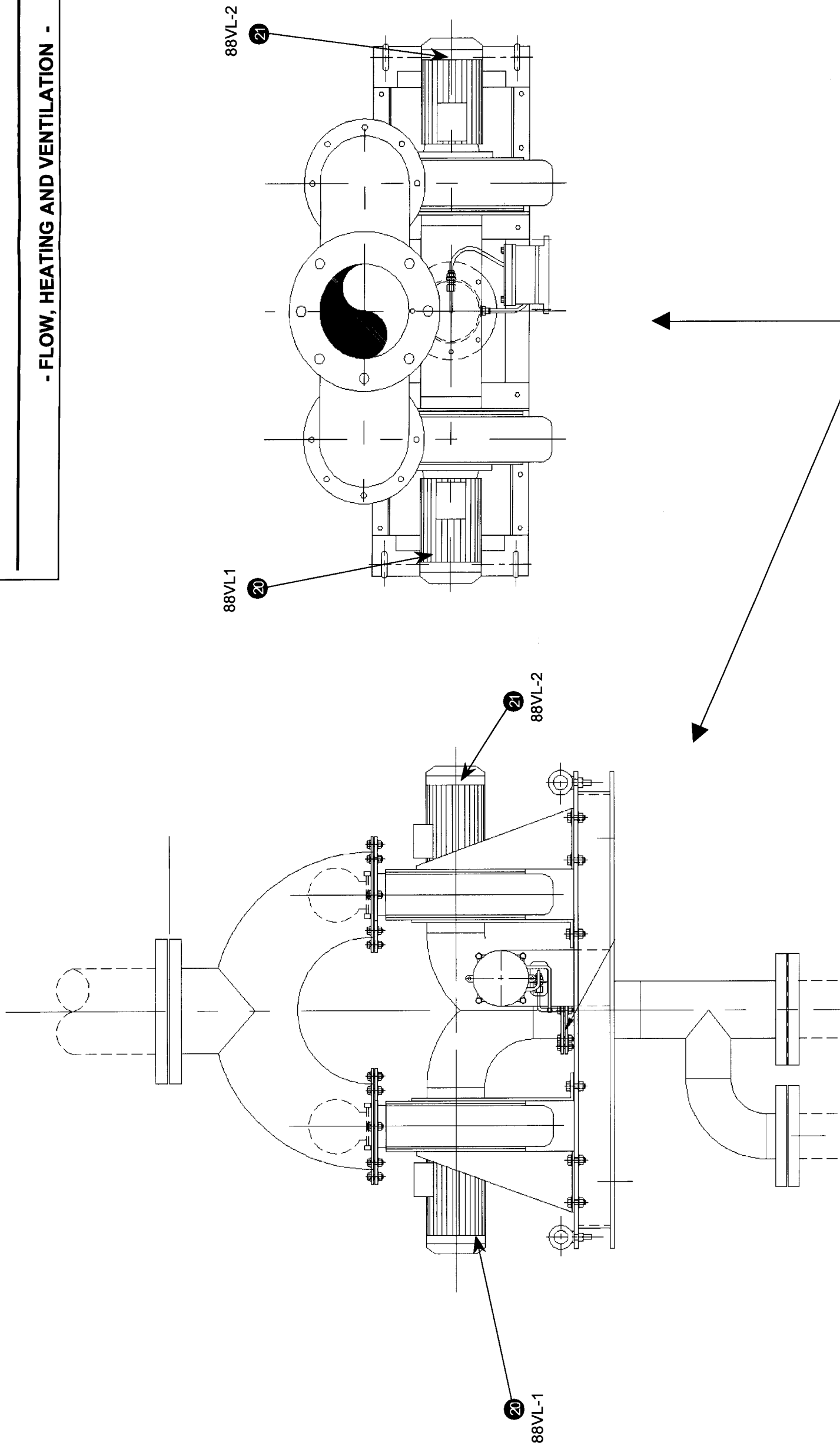


DETAIL 1-1 VIEW



DETAIL 2 VIEW - VG VENTILATION

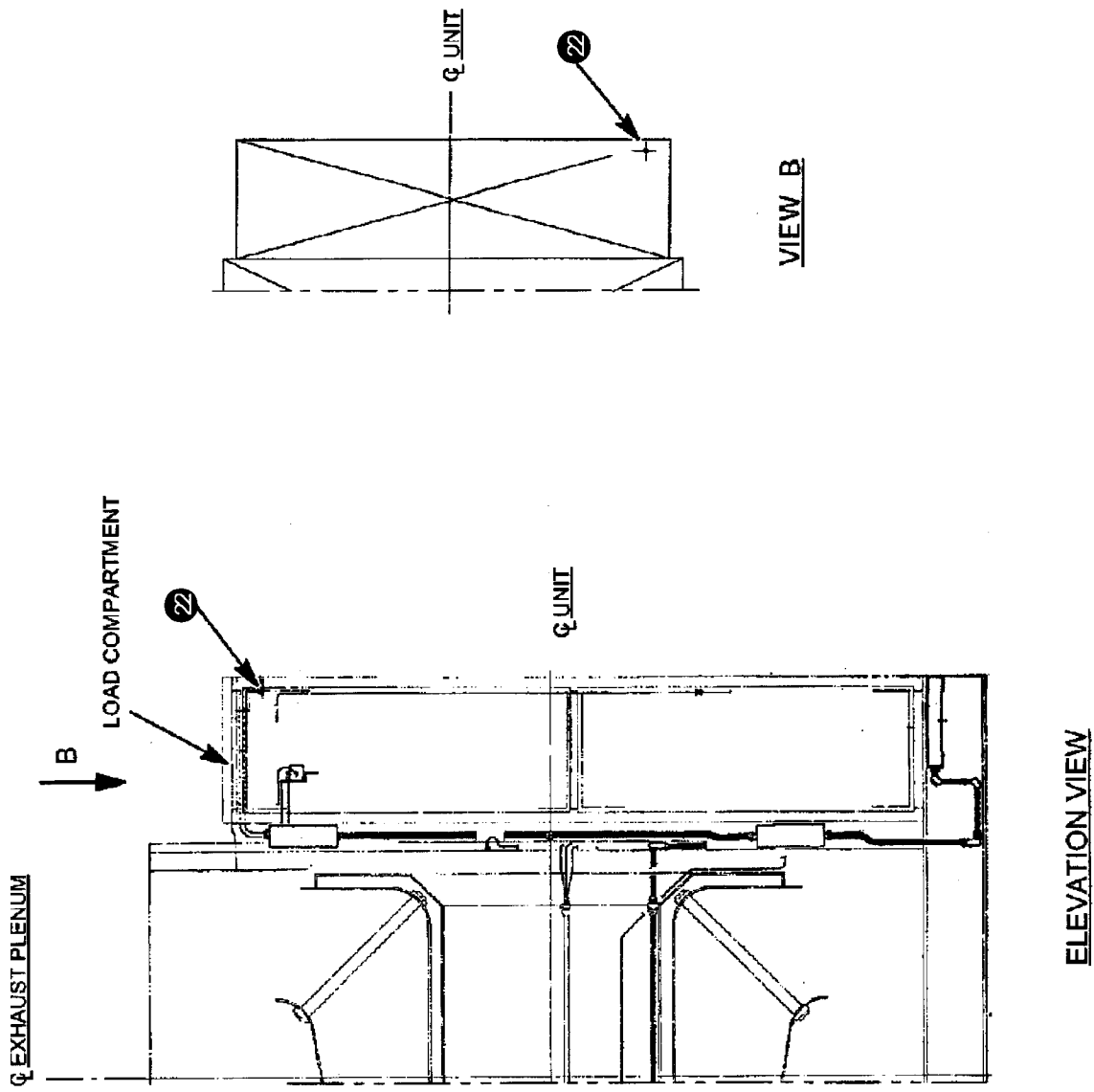
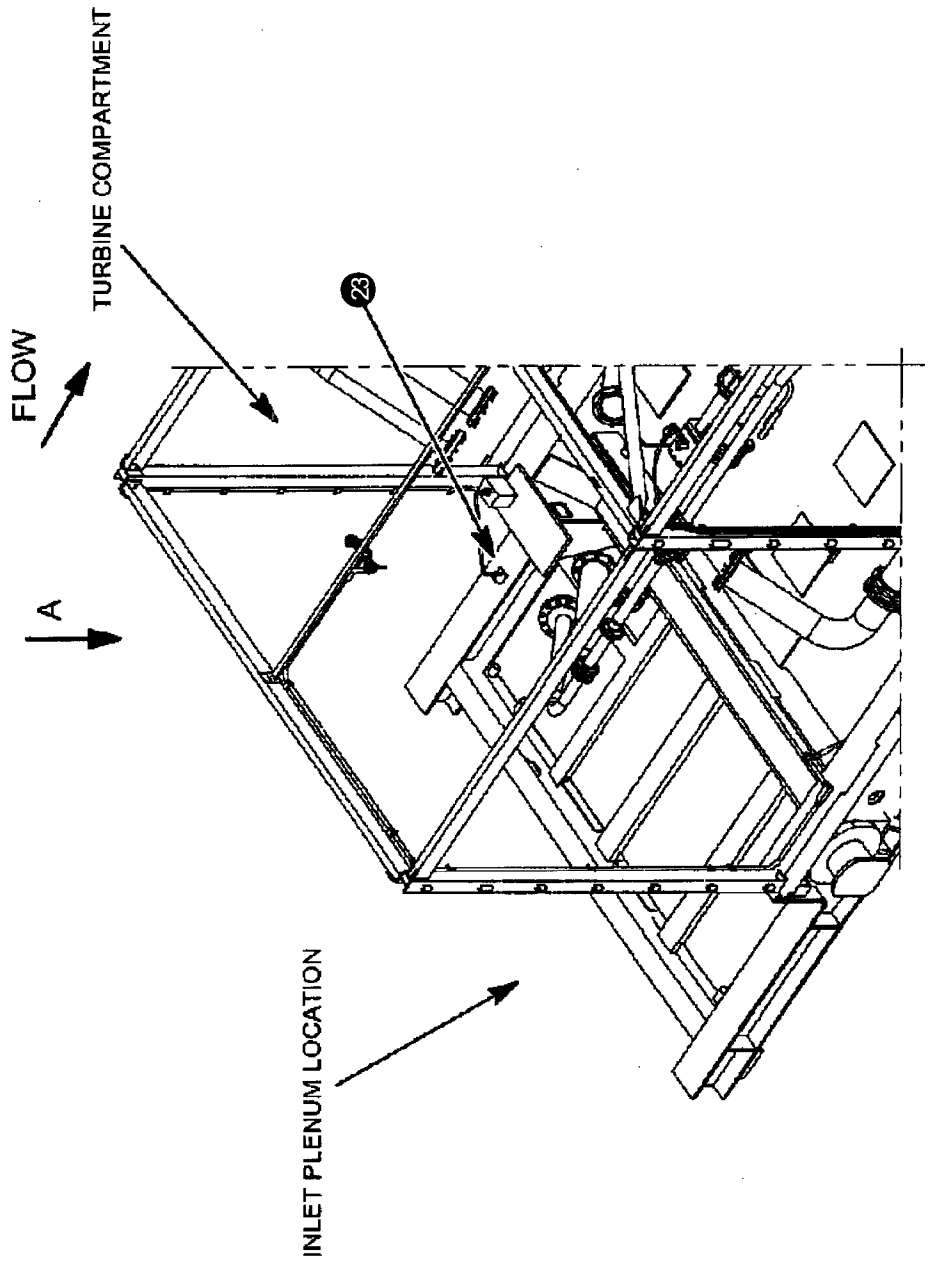
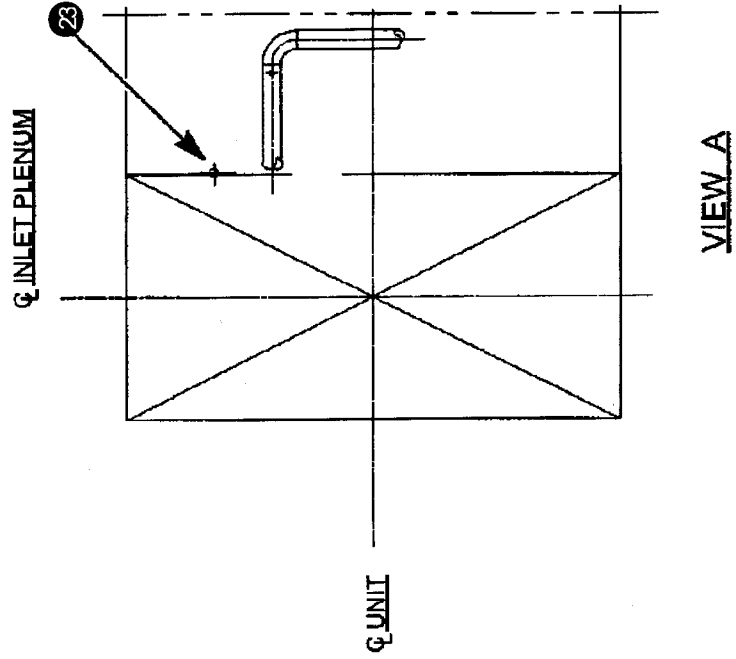
- FLOW, HEATING AND VENTILATION -



DETAIL 3 VIEW – VENTILATION GAS COMPARTMENT

DRAWINGS

- FLOW, HEATING AND VENTILATION -



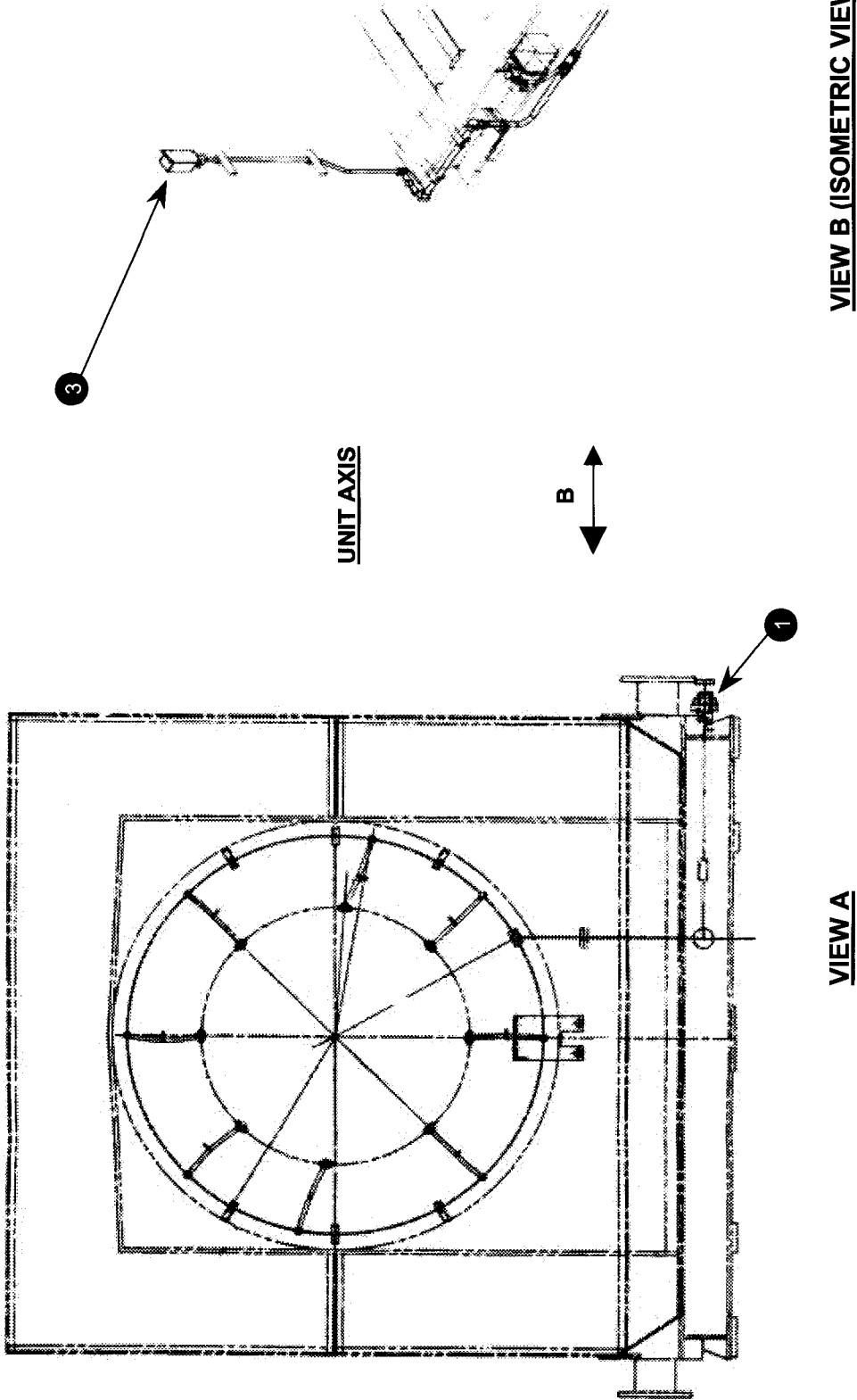
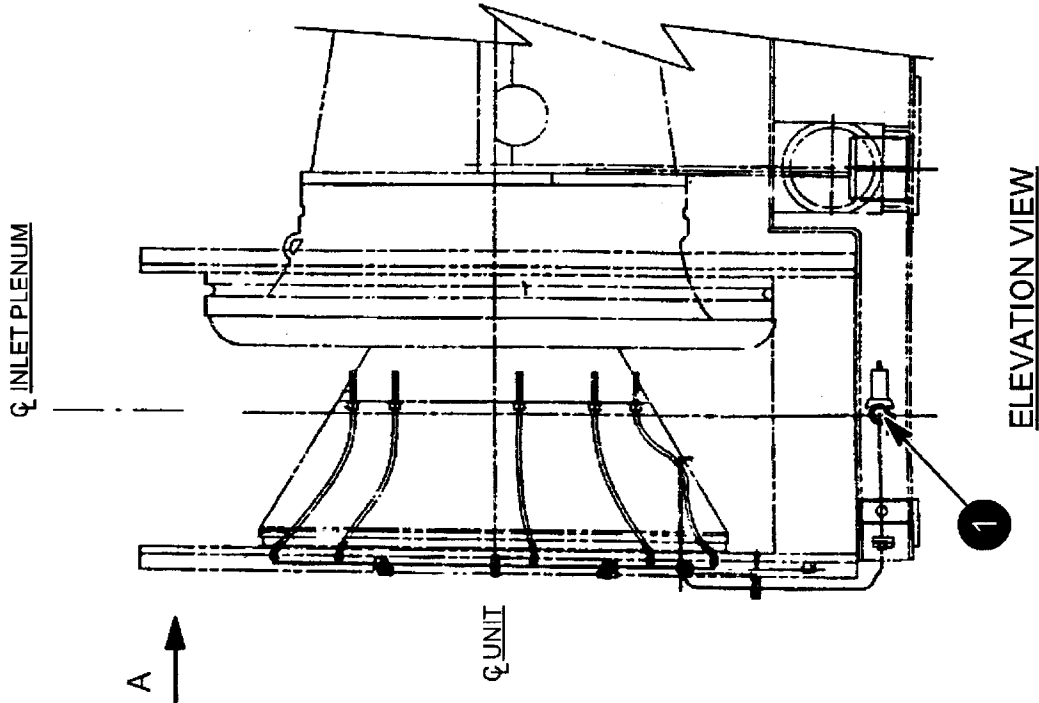
DRAWINGS

- COMPRESSOR AND/OR TURBINE WASHING SYSTEM -

PART	NOMENCLATURE	
1	20TW-1	Off-line compressor water wash solenoid valve
2	20TW-3	On-line compressor water wash solenoid valve
3	43TW-1/PB	Compressor water wash button station

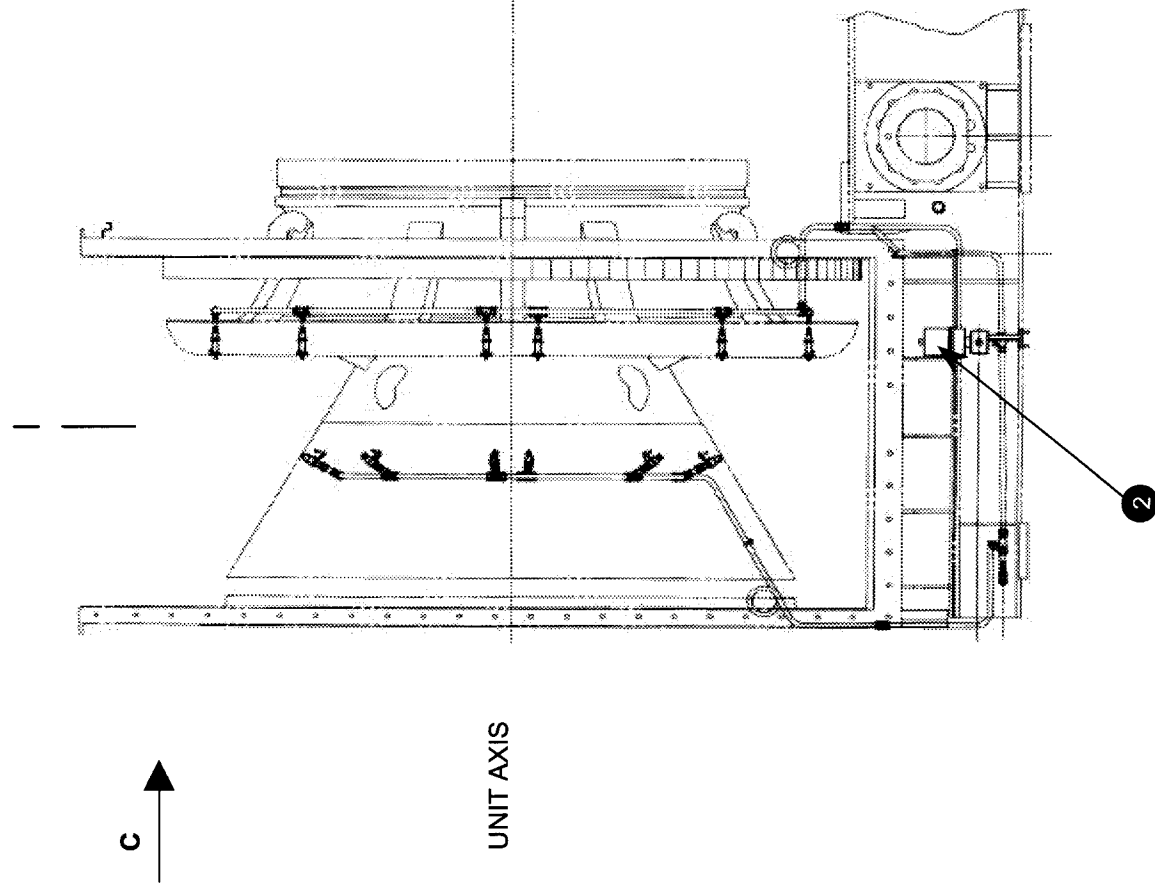
DRAWINGS

- COMPRESSOR AND/OR TURBINE WASHING SYSTEM -



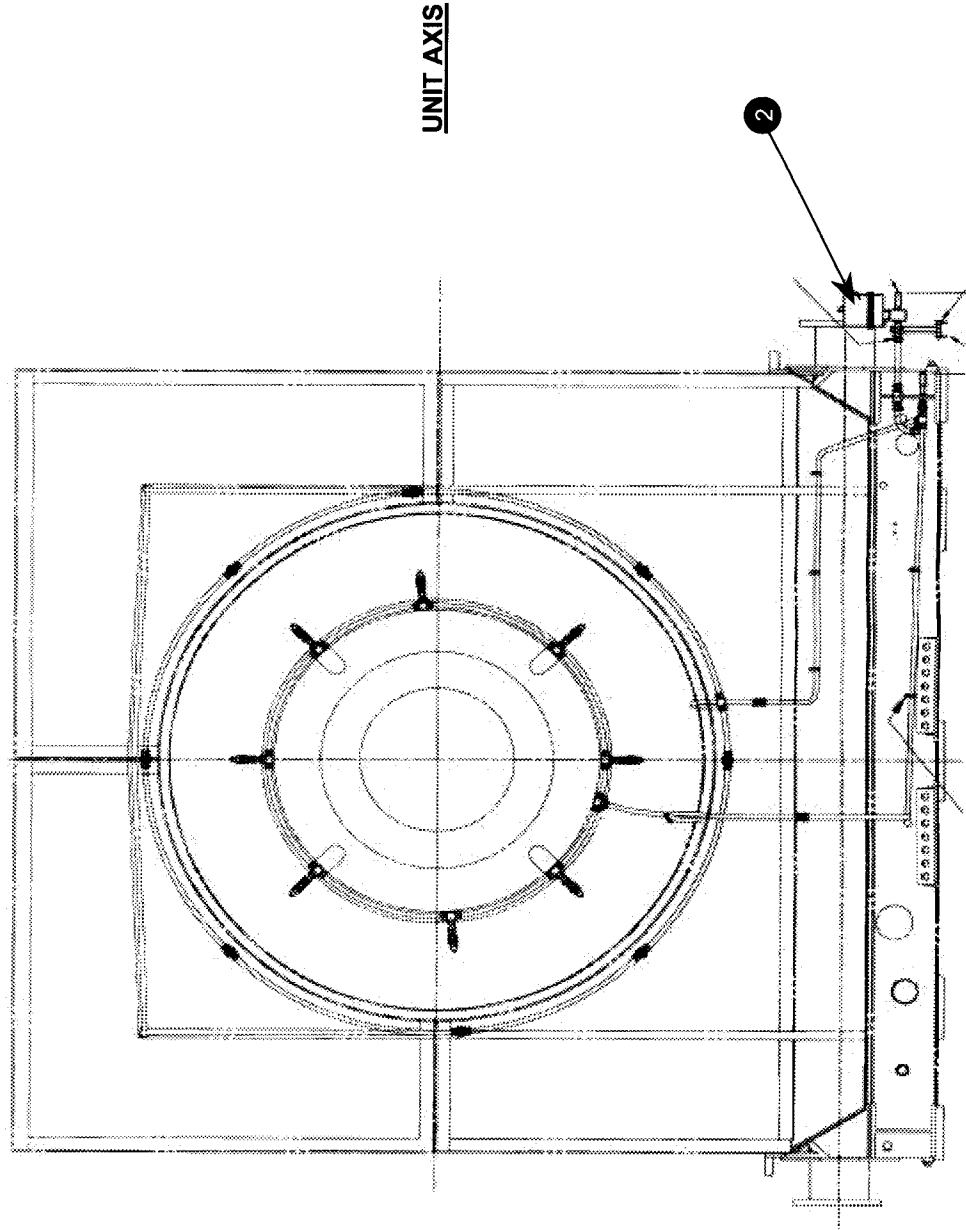
- COMPRESSOR AND/OR TURBINE WASHING SYSTEM -

INLET PLENUM UNIT AXIS



ELEVATION VIEW

UNIT AXIS



VIEW C

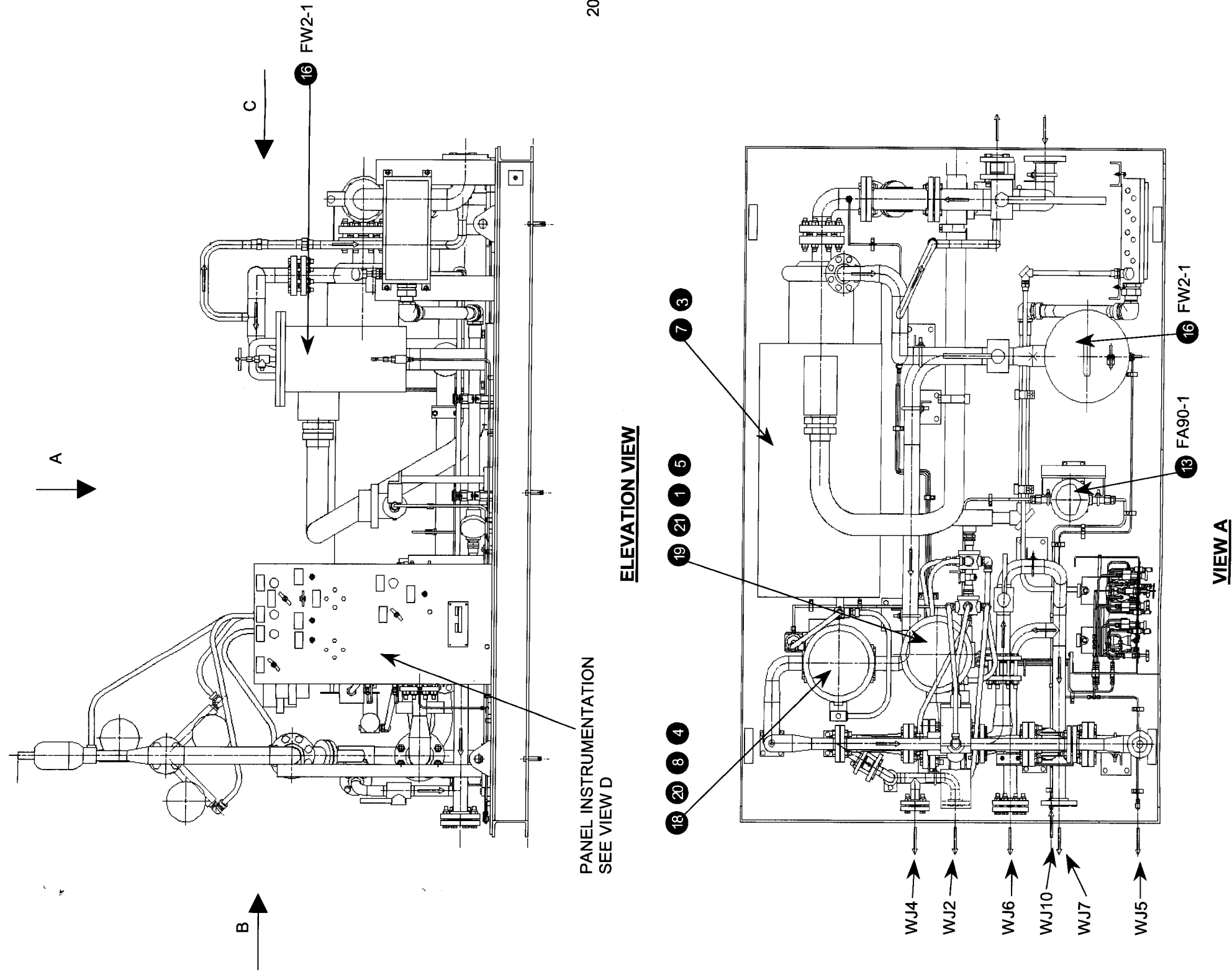
DRAWINGS

- WATER INJECTION SYSTEM (Nox Reduction) -

PART	NOMENCLATURE	
1	20WN-2	Water injection transfert valve VC5-1 control solenoid valve
2	20WN-4	Water injection stop valve solenoid valve
3	23WN-1	Motor space heater for motor-driven pump unit 88WN-1
4	33WN-1, 6	VC4-1 control valve limit switch
5	33WN-3, 7	VC5-1 control valve limit switch
6	77WN-1, 2, 3	Water injection common circuit flowpick-up
7	88WN-1	Water injection system pump motor
8	90WN-1	Servo valve for VC4-1 control valve
9	96WN-1	Water injection skid inlet absolute pressure transmitter
10	96WN-3	Water injection pump outlet relative pressure transmitter
11	96WN-4	Water injection filters differential pressure transmitter
12	AW-1	Water injection common circuit accumulator-hale
13	FA90-1	Strainer on control air supply circuit
14	FM1-1	Water injection common flow meter
15	FW1-1	Water injection system low pressure strainer
16	FW2-1	Water injection system high pressure strainer
17	FW3-1	High pressure strainer downstream flowmeter water injection
18	VC4-1	Water injection flow control valve primary circuit
19	VC5-1	Big flowmanifold water injection transfert valve
20	VPR90-1	Water injection VC4-1 control valve pressure air regulation
21	VPR90-2	Water injection VC5-1 control valve pressure air regulation

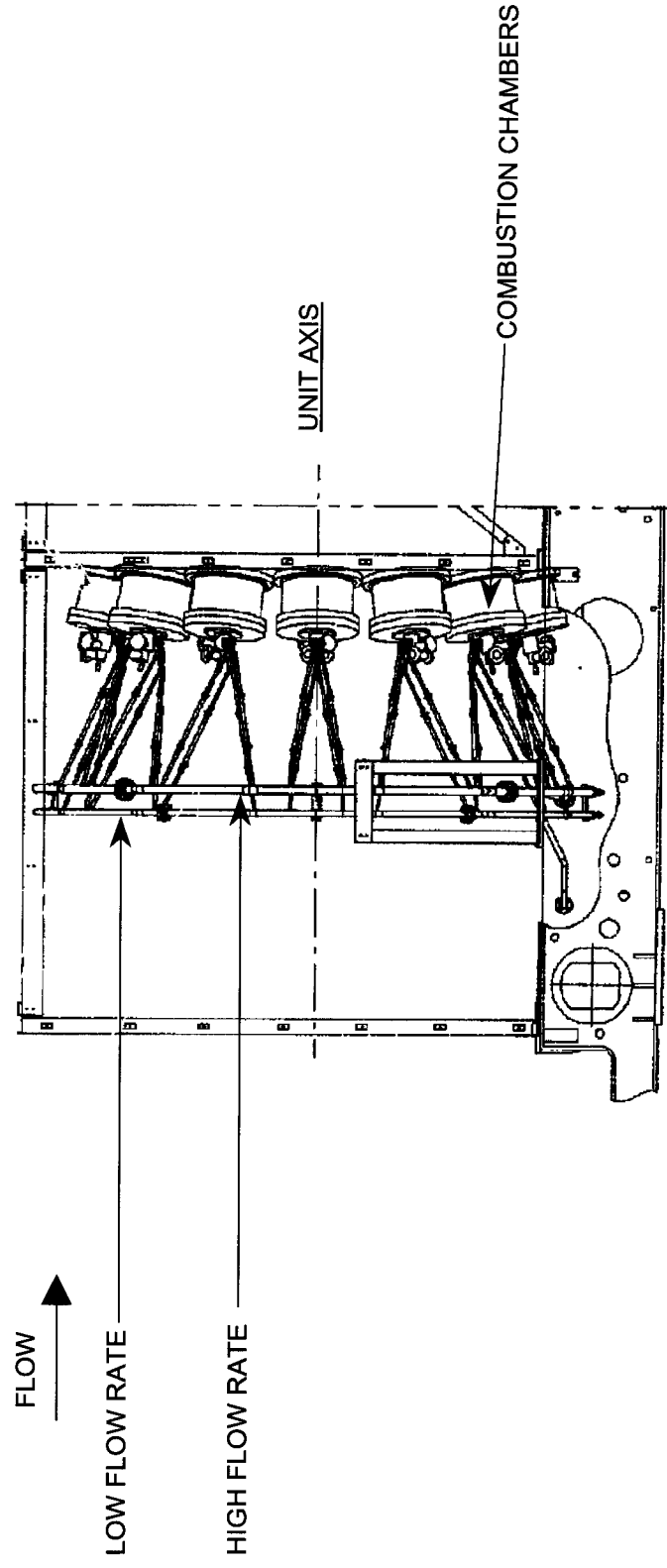
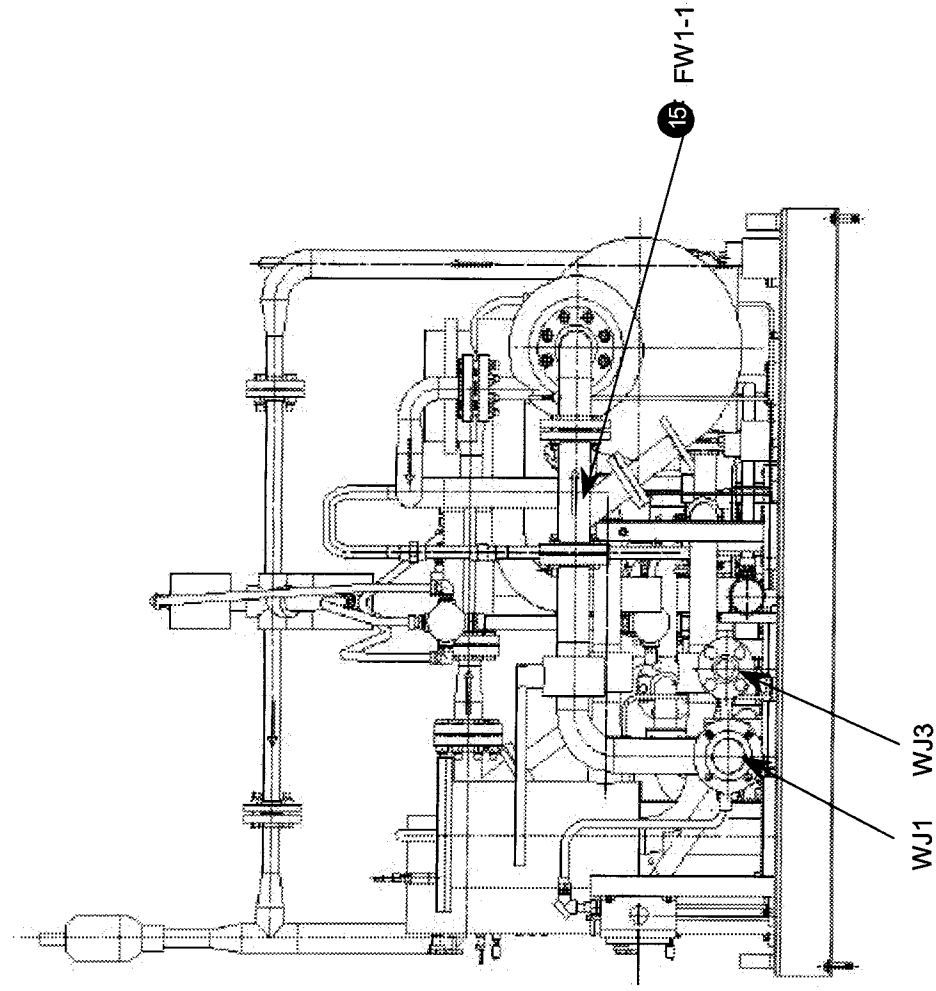
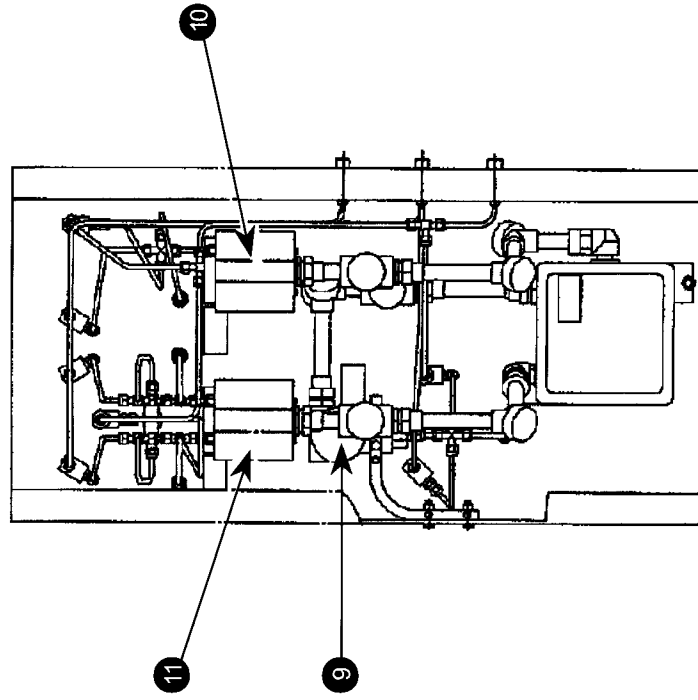
DRAWINGS

- WATER INJECTION SYSTEM (Nox Reduction) -



DRAWINGS

- WATER INJECTION SYSTEM (Nox Reduction) -

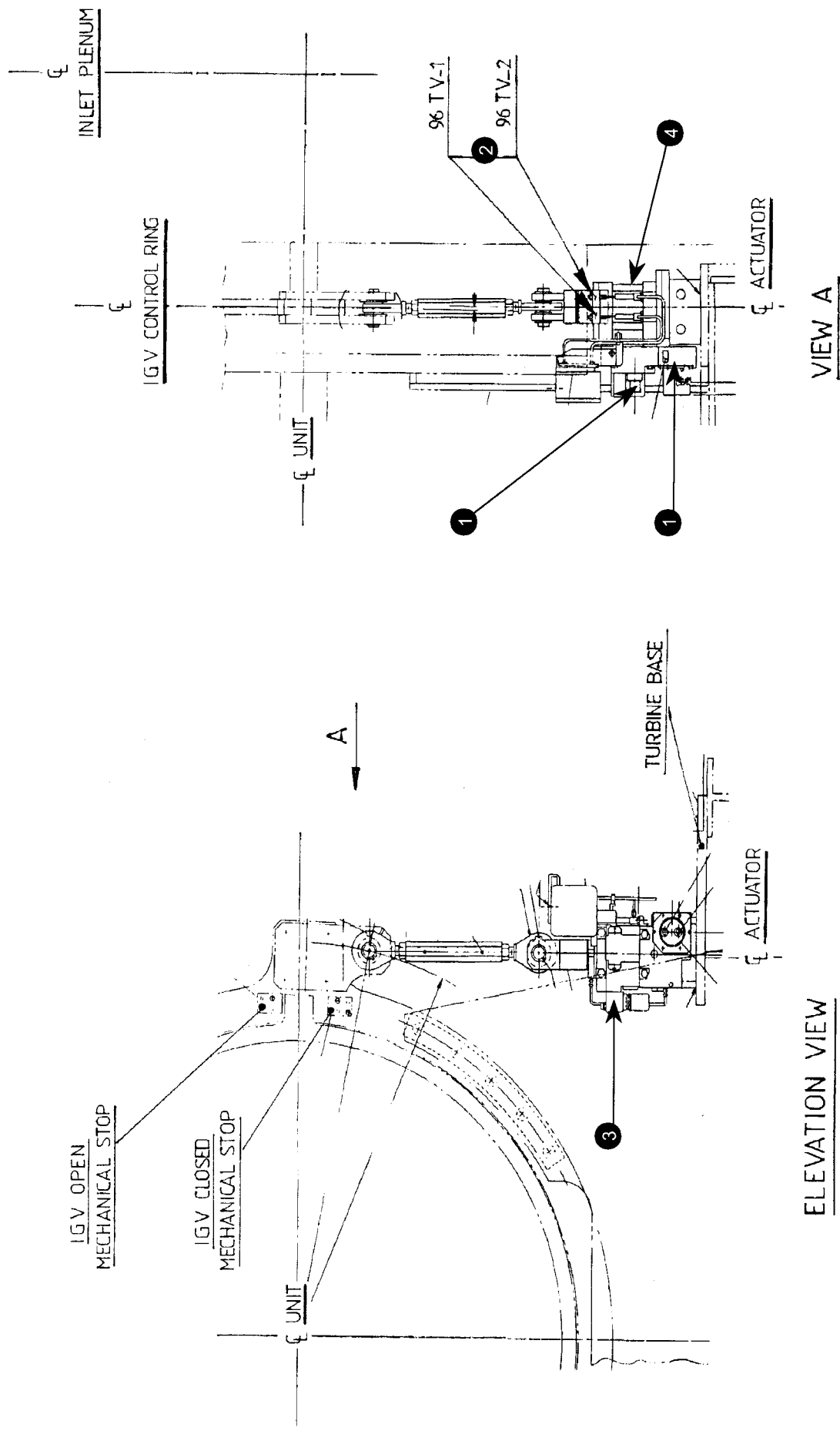


DRAWINGS

- I.G.V. SYSTEM -

PART	NOMENCLATURE	
1	90TV-1	Turbine inlet guide vane servo valve
2	90TV-1, 2	Turbine inlet guide vane LVDT
3	FH6-1	I.G.V. servo hydraulic supply filter
4	HM3-1	Variable inlet guide vane system
5	VH3-1	I.G.V. dump valve hydraulic operated

- I.G.V. SYSTEM -



1

2

3

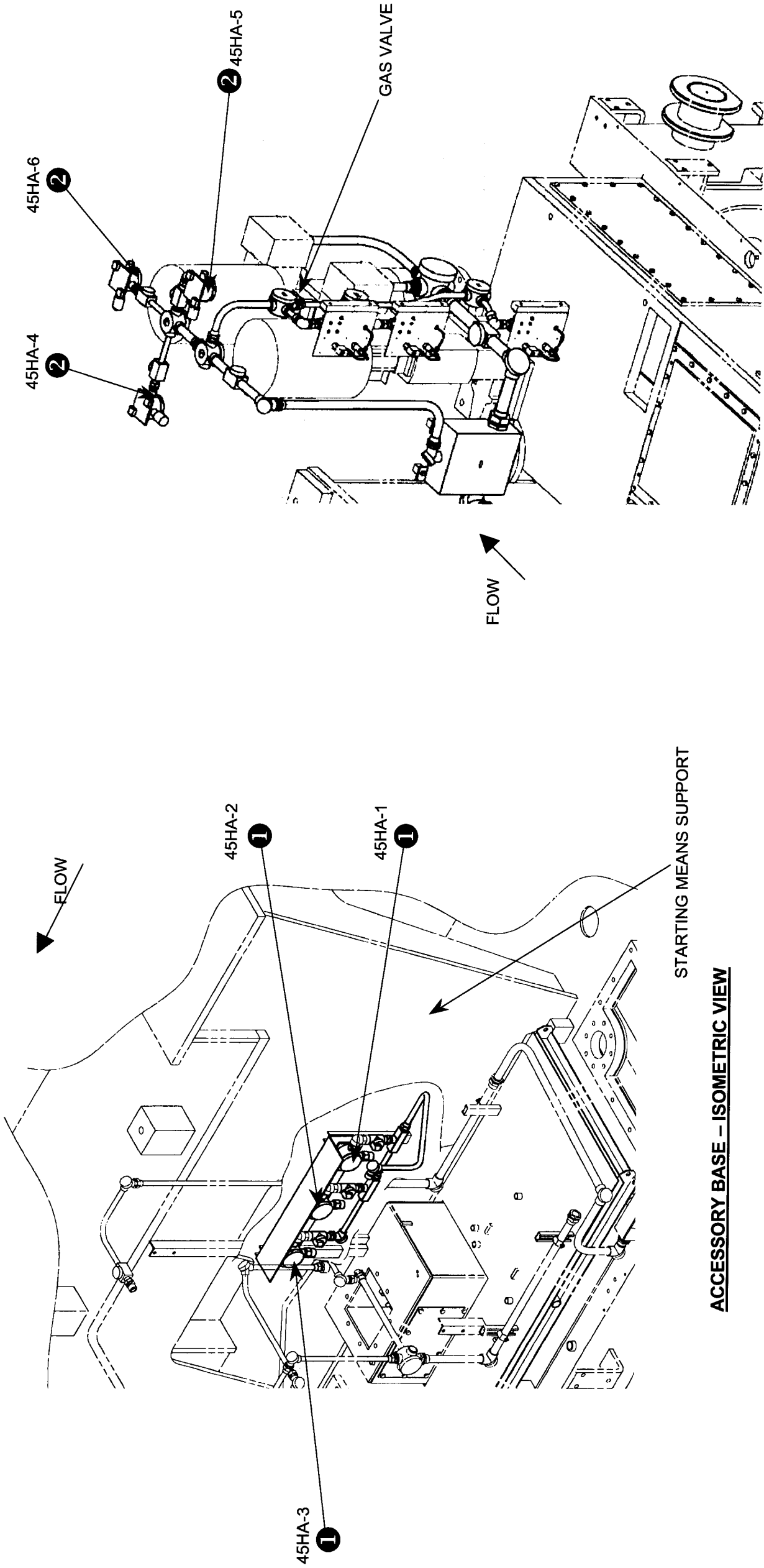
DRAWINGS

- GAS DETECTION SYSTEM -

PART	NOMENCLATURE	
1	45HA-1, 2, 3	Gas detector auxiliary compartment
2	45HA-4, 5, 6	Gas detector in gas cabinet module
3	45HT-1, 2, 3	Gas detector turbine compartment
4	45HT-4, 5, 6	Gas detector turbine compartment ventilation duct

DRAWINGS

- GAS DETECTION SYSTEM -

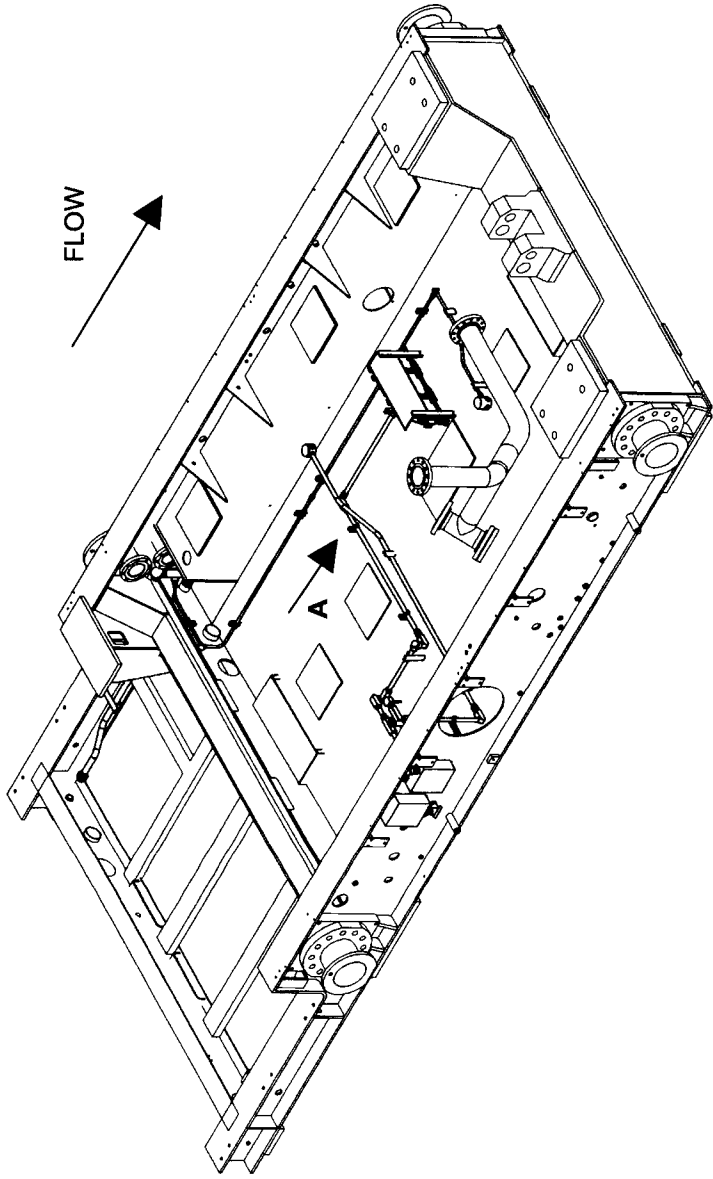


ACCESSORY BASE – ISOMETRIC VIEW

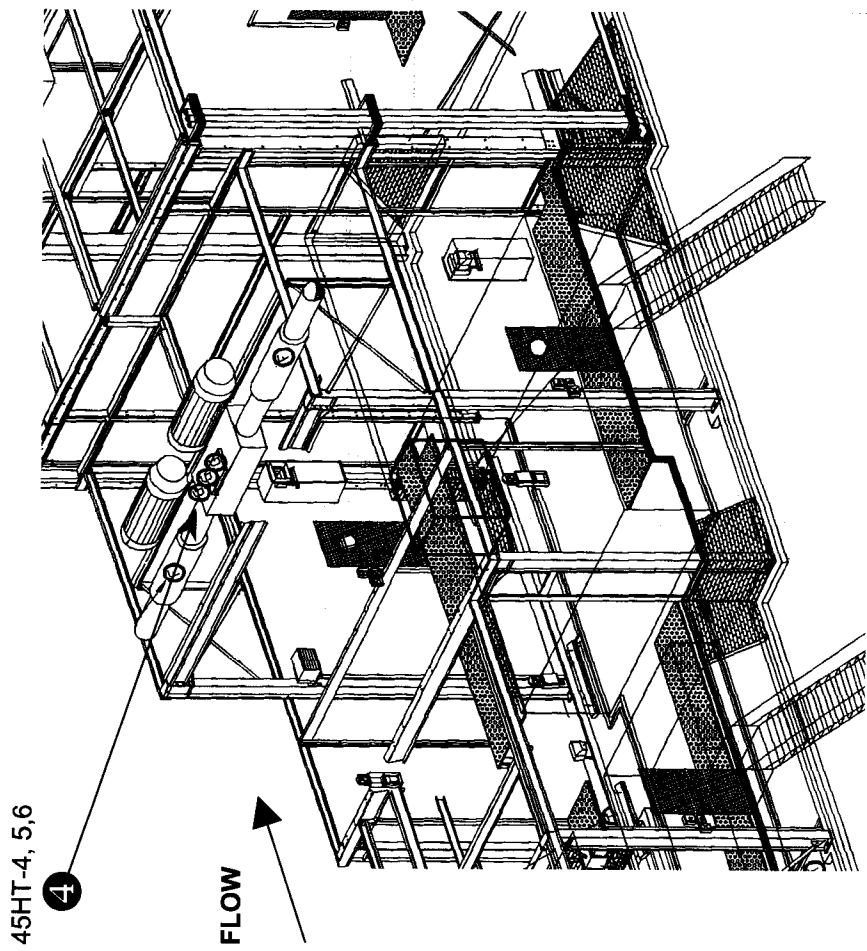
GAS CABINET MODULE

DRAWINGS

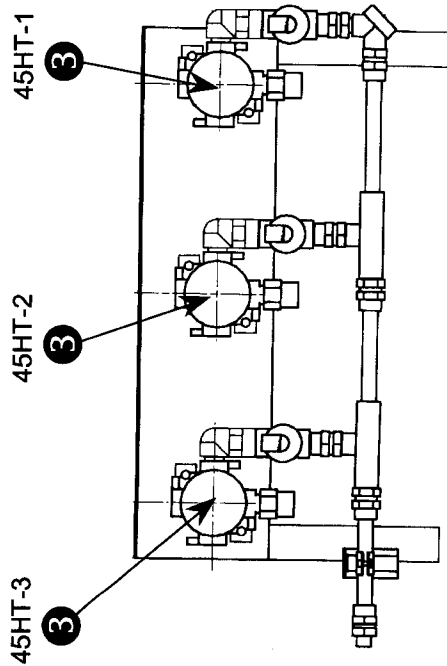
- GAS DETECTION SYSTEM -



TURBINE BASE – ISOMETRIC VIEW



ACOUSTICAL ENCLOSURE – ISOMETRIC VIEW



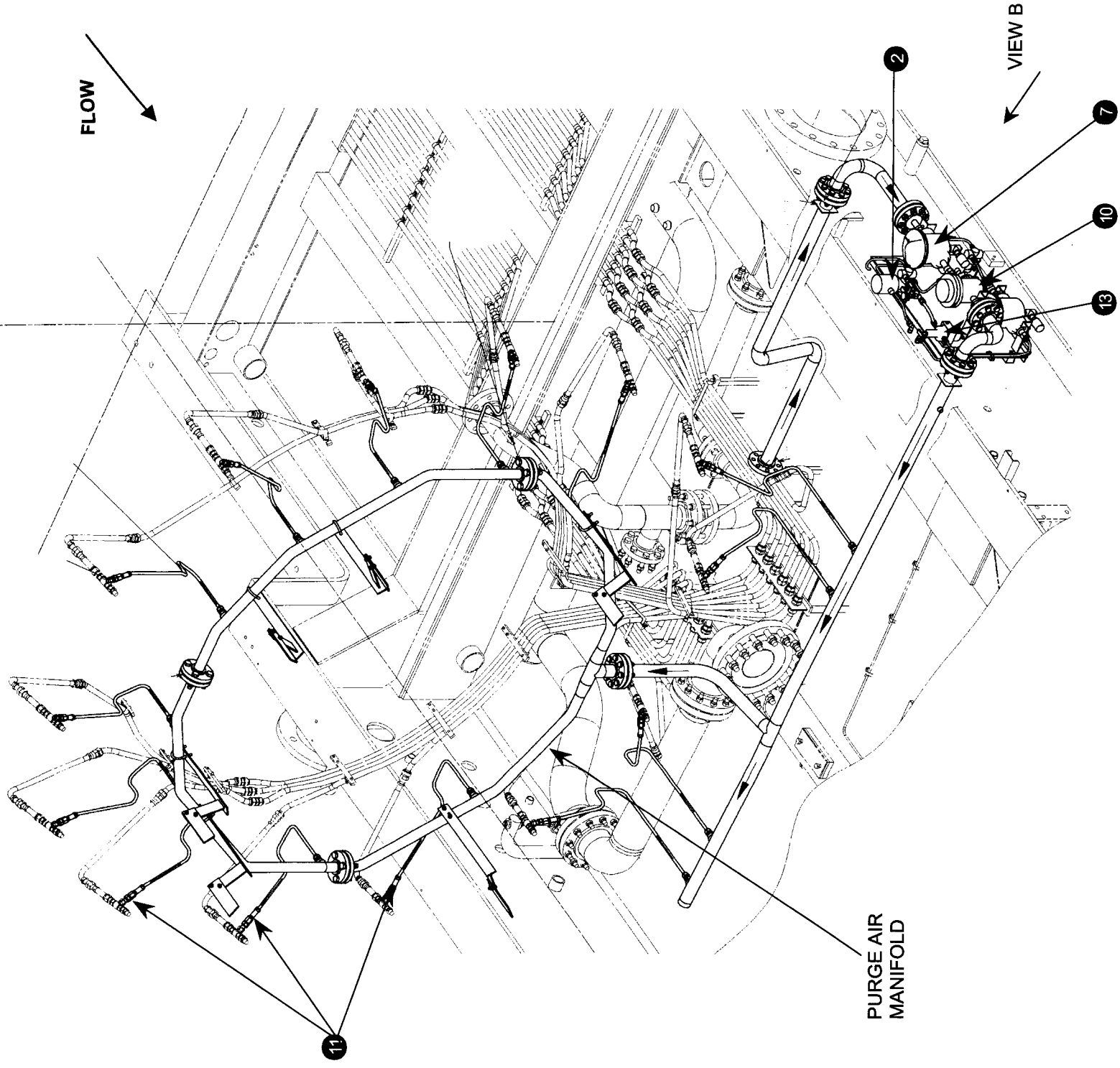
VIEW A

- PURGE FUEL SYSTEM -

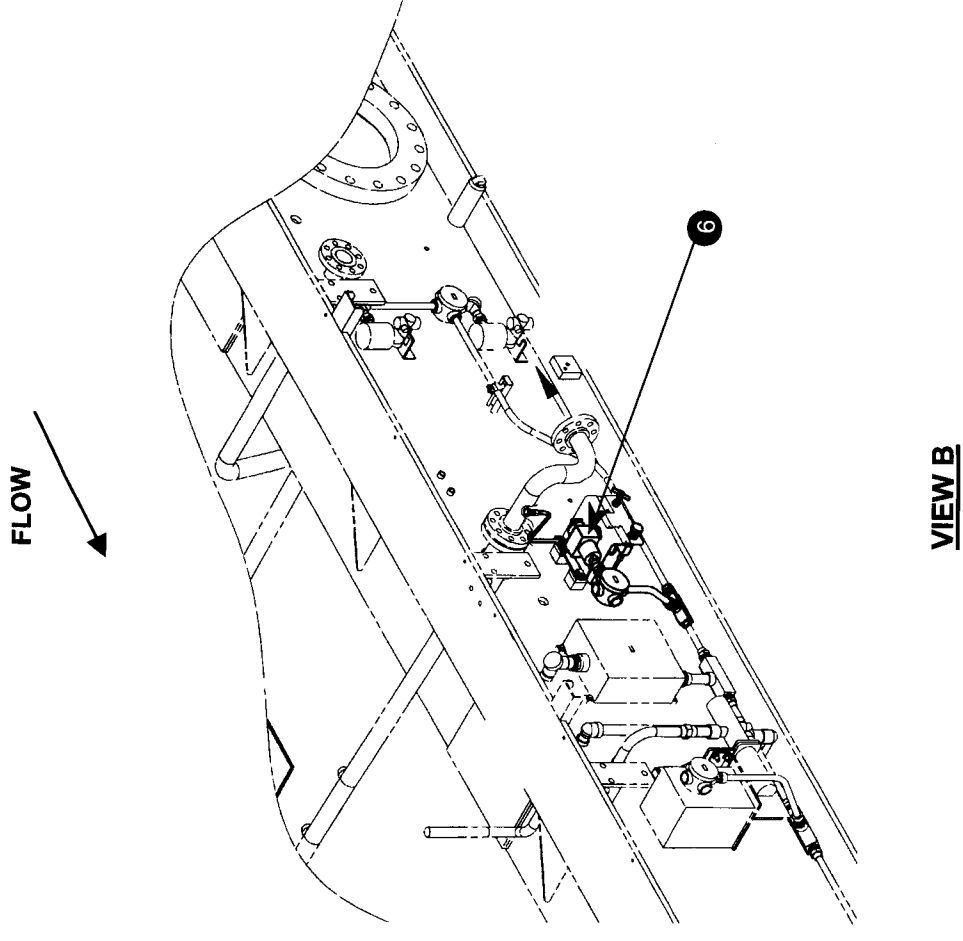
PART	NOMENCLATURE	
1	20PG-1, 2	Gas fuel solenoid valve
2	20PL-1	Liquid fuel stop valve solenoid valve
3	20VG-2	Gas fuel (purge) vent solenoid valve
4	33PG-1, 2, 3, 4	Gas fuel system purge valve limit switch
5	63PG-1	Gas fuel system purge pressure switch
6	63PL-21	Purge air pressure
7	FA3-1	Liquid fuel nozzle purge filter
8	FA6-1	Control air purge gas filter
9	VA13-1, 2	Gas fuel system purge valve air actuated by 20PG
10	VA19-1	Liquid fuel nozzle purge valve
11	VCK2-1 To 14	Liquid fuel nozzle purge check valve
12	VPR44-1, 2	Air pressure regulator gas fuel purge valve
13	VPR54-1	Pressure regulator – purge control valve liquid manifold

DRAWINGS

- PURGE FUEL SYSTEM -

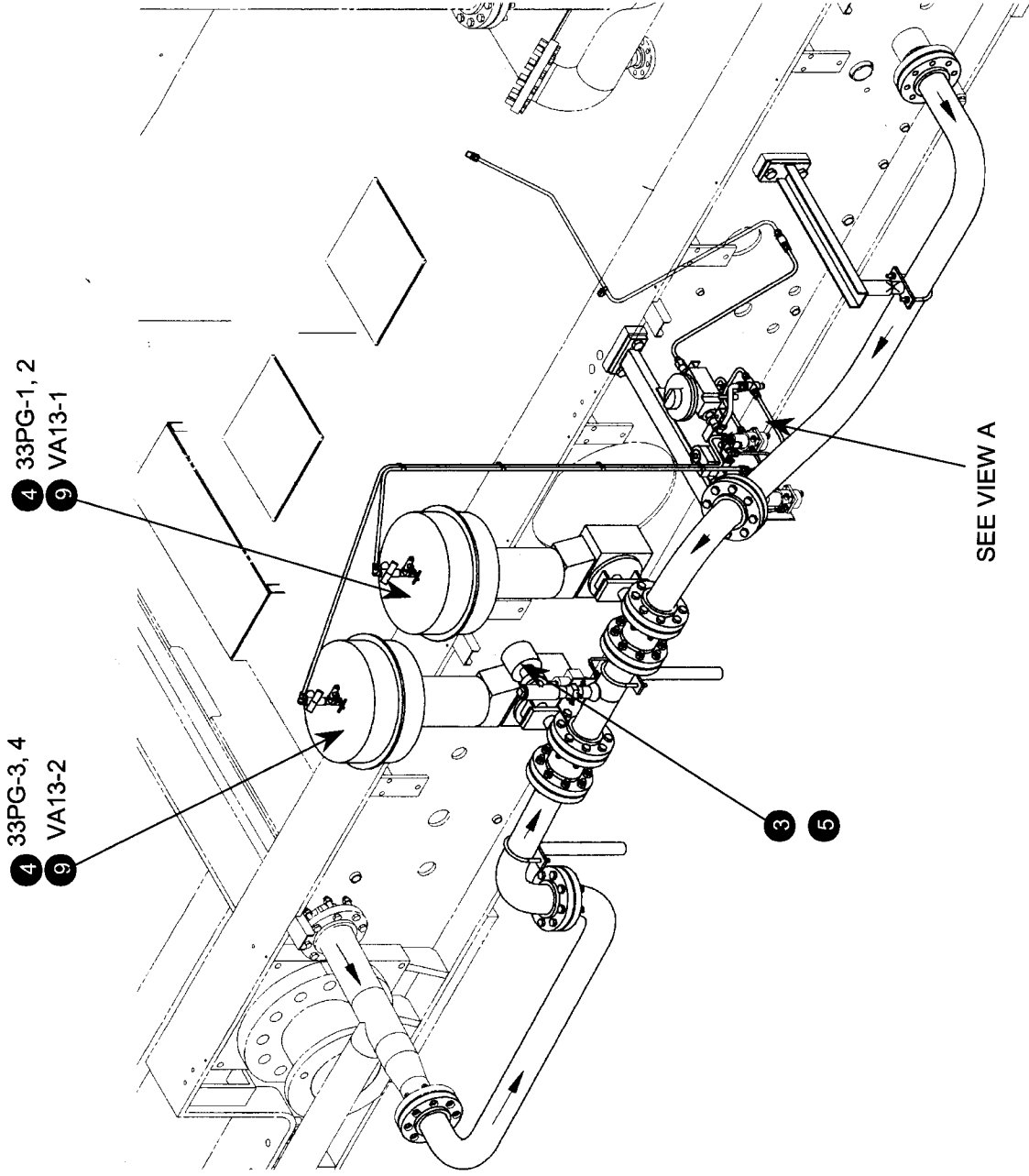


TURBINE BASE

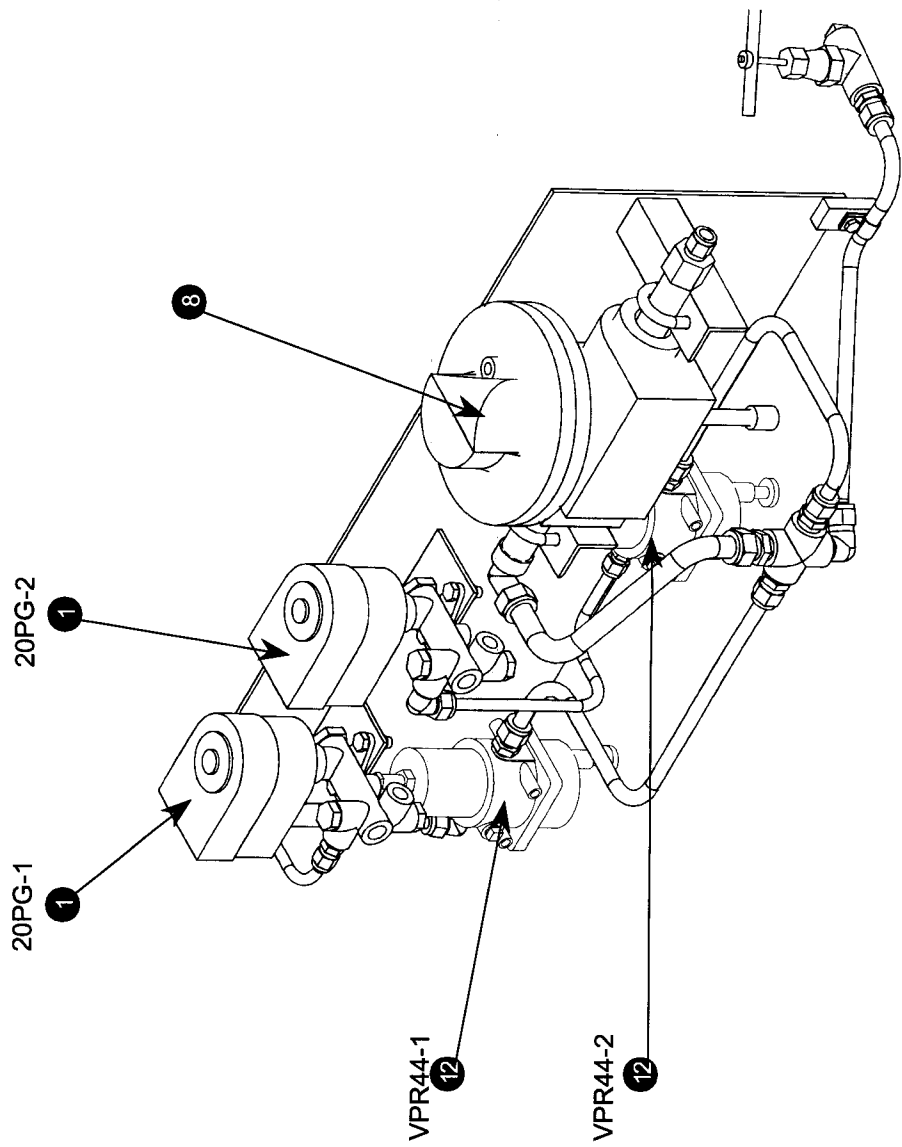


DRAWINGS

- PURGE FUEL SYSTEM -



TURBINE BASE



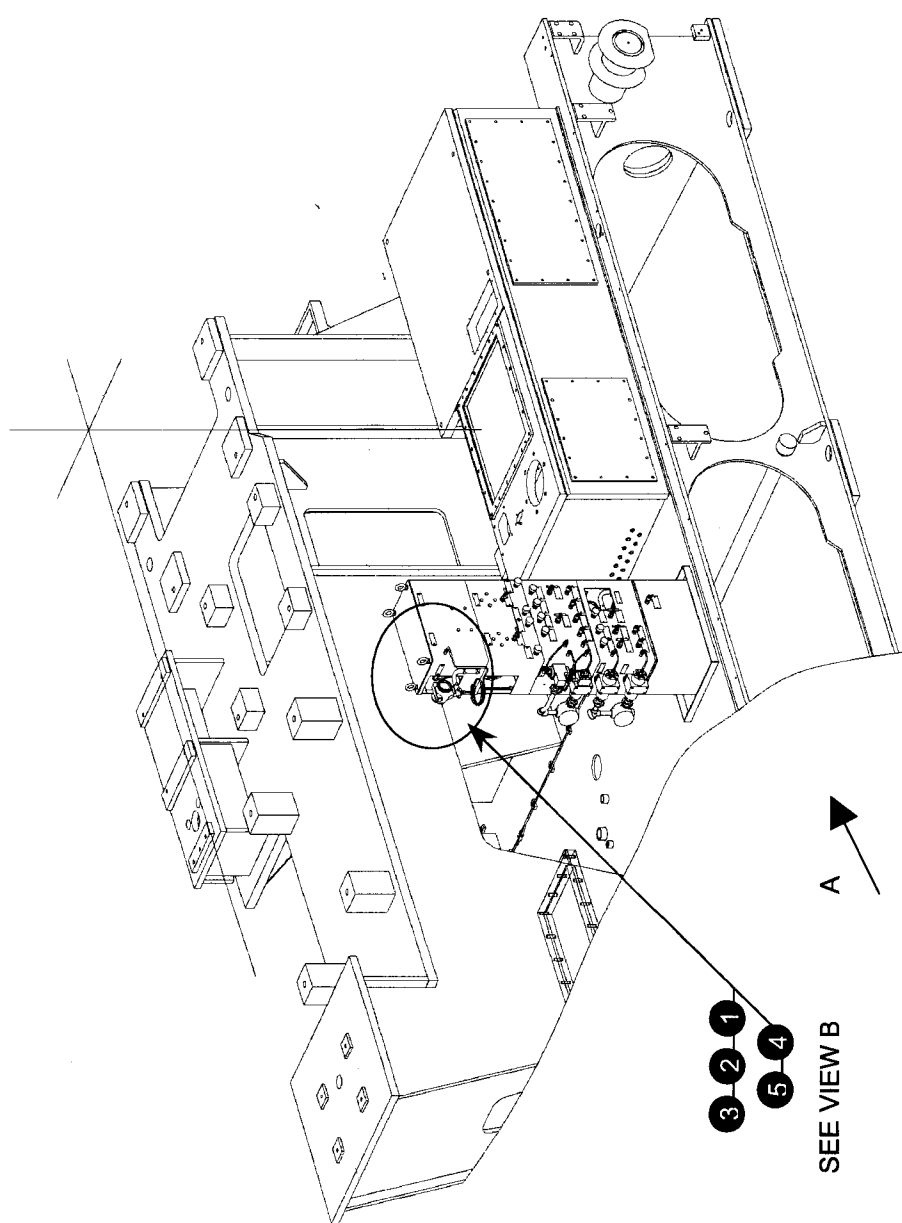
VIEW A

- PERFORMANCE MONITOR -

PART	NOMENCLATURE	
1	96AP-1A	Atmospheric pressure transmitter
2	96AP-1B	Atmospheric pressure transmitter
3	96AP-1C	Atmospheric pressure transmitter
4	96BD-1	Pressure transmitter
5	96CS-1	Air inlet / Atmospheric pressure differential pressure transmitter

DRAWINGS

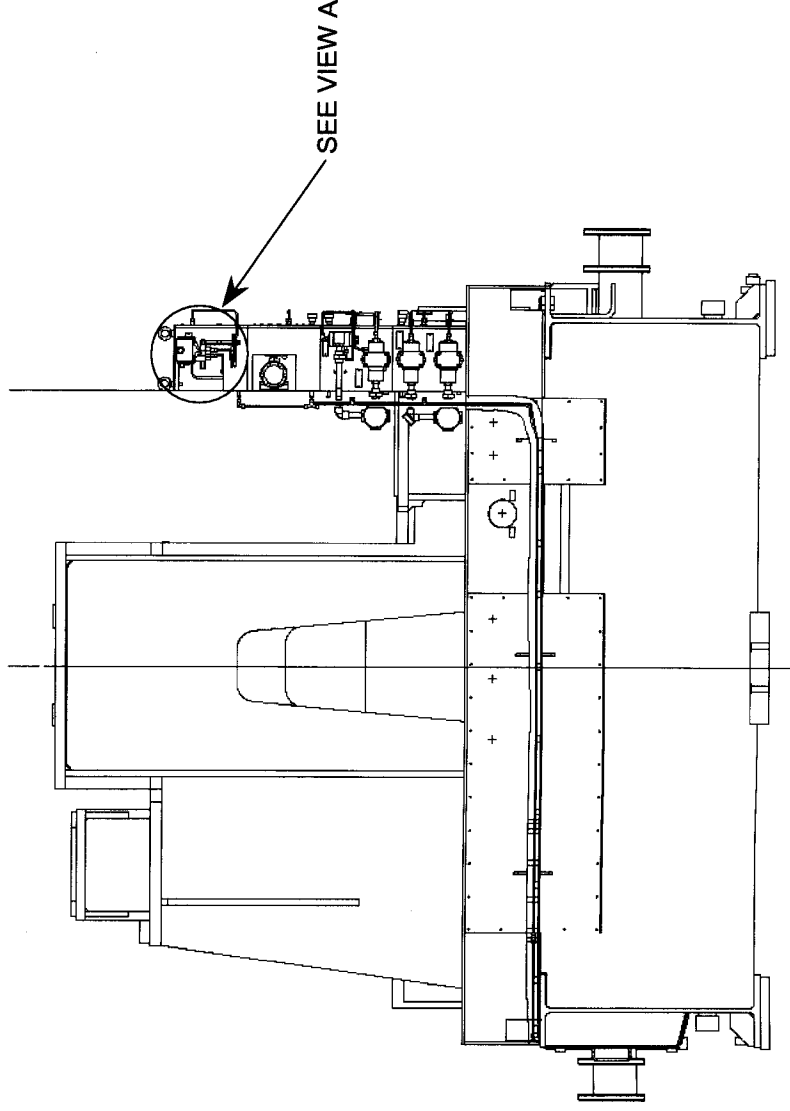
- PERFORMANCE MONITOR -



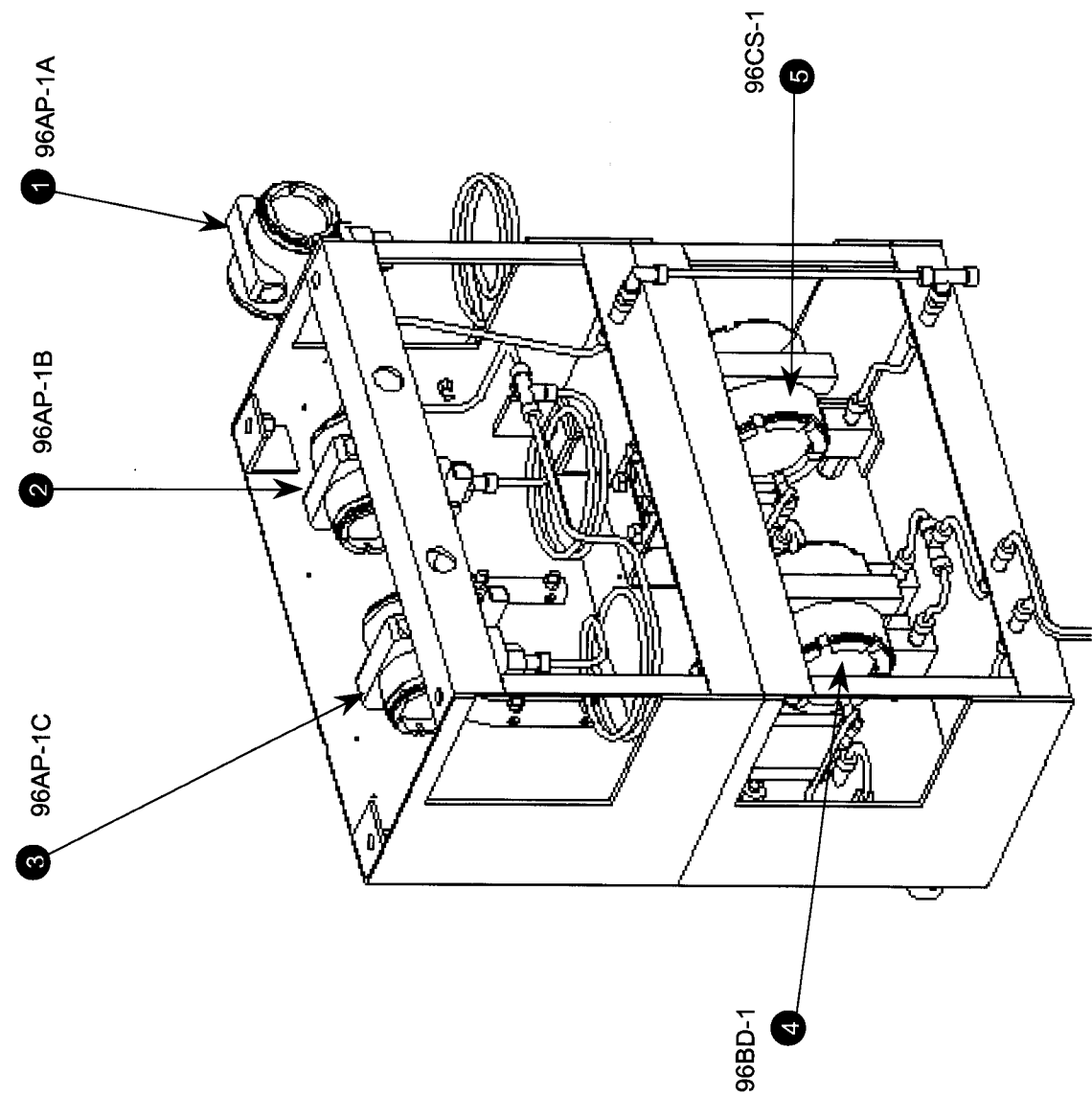
- 3
- 2
- 1
- 5
- 4

SEE VIEW B

ISOMETRIC VIEW



VIEW A



VIEW B