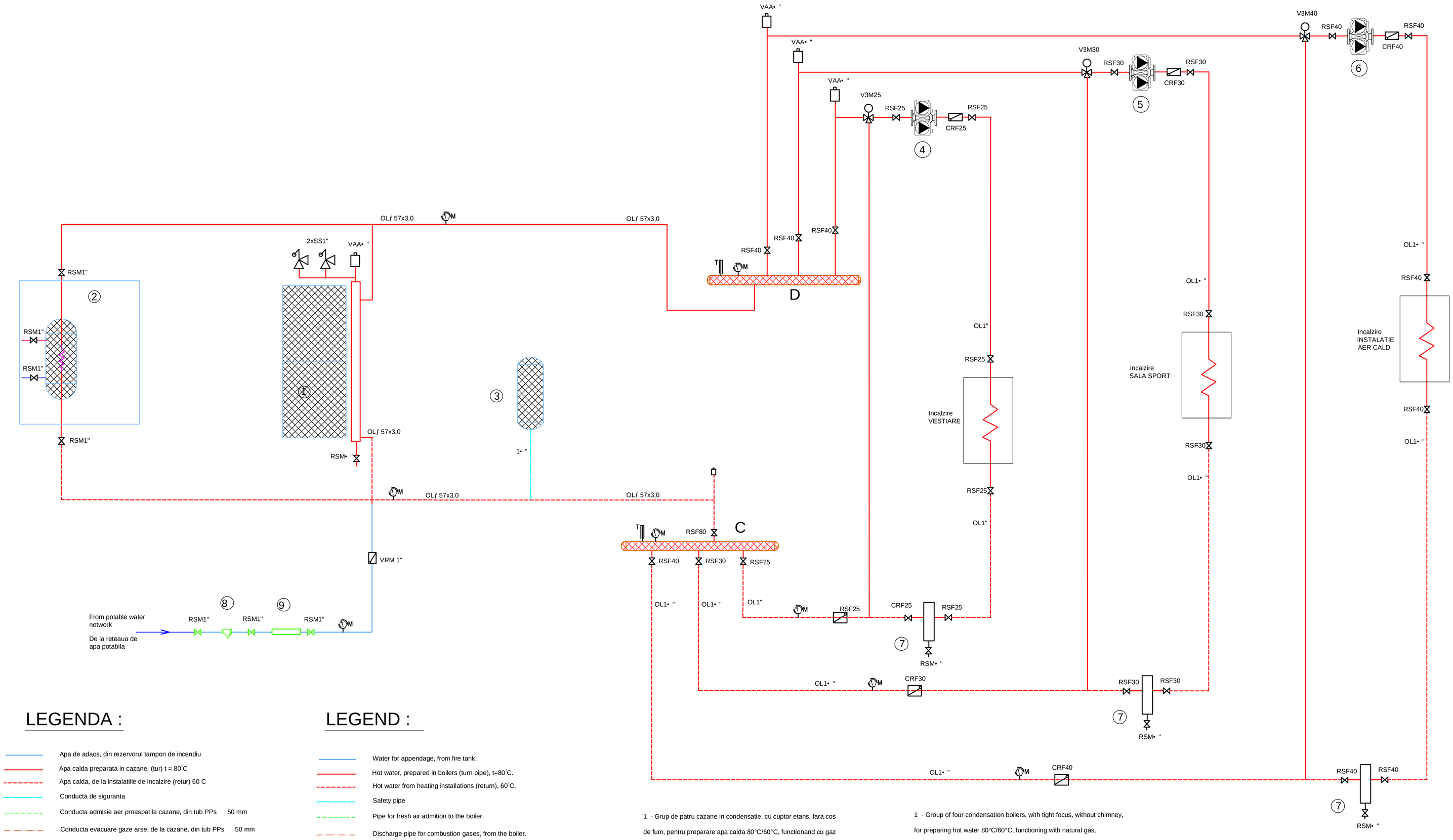

LEGENDA :

	Apa de adaos, din rezervorul tampon de incendiu
	Apa calda preparata in cazane, (tur) t = 80˚C
	Apa calda, de la instalatiile de incalzire (retur) 60 C
	Conducta de siguranta
	Conducta admisie aer proaspat la cazane, din tub PPs 50 mm
	Conducta evacuare gaze arse, de la cazane, din tub PPs 50 mm
RSM• "	Robinet cu sfera si mufe, 1/2"
VRM• "	Ventil de retinere cu mufe, 1/2"
RSF50	Robinet cu sertar si flanse, Dn 50
CRF50	Clapeta de retinere cu flanse, Dn 50
V3M65	Electroventil cu trei cai, Dn 65
SS1"	Supapa de siguranta cu contragreutate, 1"
VAA• "	Ventil automat de aerisire, 1/2"
D	Distribuitor de apa calda 80˚C, din teava de otel, Dn 200 mm.
C	Colector de apa calda 60˚C, din teava de otel, Dn 200 mm.
M	Manometru cu cadran, ƒ 160 mm,0-6 at.
T	Termometru industrial, cu teaca, 0-100˚C

LEGEND :

	Water for appendage, from fire tank.
	Hot water, prepared in boilers (turn pipe), t=80˚C.
	Hot water from heating installations (return), 60˚C.
	Safety pipe
	Pipe for fresh air admition to the boiler.
	Discharge pipe for combustion gases, from the boiler.
RSM• "	Ball valve, 1/2"
VRM• "	Return valve, 1/2"
RSF50	Gate valve with flange, ND 50
CRF50	Return valve, with flange, ND 50
V3M65	Three way power driven cock, ND 65
SS1"	Safety valve, with balance weight, 1"
VAA1/2"	Automatic valve for deairation, 1/2"
D	Hot-water header, (turn) 80˚C, from steel pipe, ND 200 mm.
C	Hot-water header, (return) 60˚C, from steel pipe, ND 200 mm.
M	Pressure gauge, with dial, ƒ 160 mm, 0-6 at.
T	Industrial thermometer, with case, 0-100˚C

1 - Grup de patru cazane in condensatie, cu cuptor etans, fara cos de fum, pentru preparare apa calda 80°C/60°C, functionand cu gaz natural, complet automatizat, Q =110 KW

2 - Boiler 200 l pentru preparare apa calda menajera

3 - Vas de expansiune, antepresurizat, V=100l

4 - Electropompa de circulatie a apei calde, G=7mc/h, Hp=2,5mCA

5 - Electropompa de circulatie a apei calde, G=2,0mc/h, Hp=2,0mCA

6 - Electropompa de circulatie a apei calde, G=2,0mc/h, Hp=2,0mCA

7 - Separator de namol, montat pe conducta de retur, Dn 40 (50,65)

8 - Filtru pentru apa de alimentare, cu cartus lavabil

9 - Dedurizator de uz tehnic - pentru apa de alimentare - cu timer electronic, pentru regenerarea rasinilor, G=660l/h

1 - Group of four condensation boilers, with tight focus, without chimney, for preparing hot water 80°C/60°C, functioning with natural gas, completely automatized, Qtot = 220 KW

2 - Boiler 200 l for preparing potable hot water

3 - Antepressed expansion vessel, V=400 l

4 - Electric-pump for hot-water circulation, G=7cm/h, Hp=2.5mWC

5 - Electric-pump for hot-water circulation, G=2.0cm/h, Hp=2.0 mWC

6 - Electric-pump for hot-water circulation, G=2.0cm/h, Hp=2.0 mWC

7 - Sludge filter mounted on the return pipe, ND 40 (50,65).

8 - Filter for water supply, with washable receptacle.

9 - Water softening apparate, for supply water - with electronic timer, for resins' regeneration, G=660 l/h.

NOTA :

* Prezentul desen se va consulta impreuna cu planurile : B - T/V-001, B- T/V-002, B-T/V-003 , B-T/V-004 si GE 004-S-001

NOTE :

* The present drawing will be consulted together with the following designs : B-T/V-001, B-T/V-002, B-T/V-003 , B-T/V-004 and GE 004-S-001

VERIFICATOR M.L.P.A.T. / VERIFICATOR M.L.P.A.T.	NUME / NAME	SEMNATURA / SIGNATURE	CERINTA / REQUIREMENT	REFERAT / EXPERTIZA NR. / DATA REPORT / TECHNICAL EXPERTISE / DATE

PROJECT DESIGN COORDINATOR: / COORDINATOR PROIECT: **THE LOUIS BERGER GROUP, INC**

BUCHAREST SCHOOLS INFRASTRUCTURE REHABILITATION / REABILITAREA INFRASTRUCTURII EDUCATIONALE IN MUNICIPIUL BUCURESTI

DESIGNER/PROIECTANT: CONSILIER CONSTRUCT

M4					
M3					
M2					
M1					
Modif	Date/Data	DESIGNED BY/PROIECTAT	VERIFIED BY/ VERIFICAT	PROJ. DIR./SEF PROIECT	

BENEFICIARY/BENEFICIAR: **MUNICIPALITY OF BUCHAREST PRIMARIA MUNICIPIULUI BUCURESTI**

SCHOOL NAME/ NUME SCOALA: General School no. 149/ Scoala Generala nr. 149
SPORT HALL / SALA DE SPORT

	NAME/ NUME	SIGNAT./SEMNATURA
DESIGNED BY PROIECTAT	sing. Alice PATRU	
VERIFIED BY VERIFICAT	ing. Florian DUTĂ	
PROJ. DIR. SEF PROIECT	arh. Sorin ICHIM	

TYPE OF WORKS/ LUCRARE: **HEATING AND VENTILLATION DESIGN / INSTALATIE DE INCALZIRE SI VENTILATIE**

TITLE/ PLANSA: THERMAL POWER STATION. TECHNOLOGICAL SCHEME
CENTRALA TERMICA. SCHEMA TEHNOLOGICA

DATE/ DATA	SCALE/ SCARA	EXEMPLAR NR.	PROJ. PHASE/FAZA PROIECT	PROJ. No./Nr. PROIECT	DRWG. No./Nr. PLANSA
01/2007	%		Detailed Design Proiect tehnic	077 / S3	B-T/V - 005

It is prohibited to copy, multiply or print this document without written approval of THE LOUIS BERGER GROUP, INC.
Este interzisa copierea, multiplicarea si imprumutarea documentatiei fara aprobarea scrisa a THE LOUIS BERGER GROUP, INC.

840 x 640