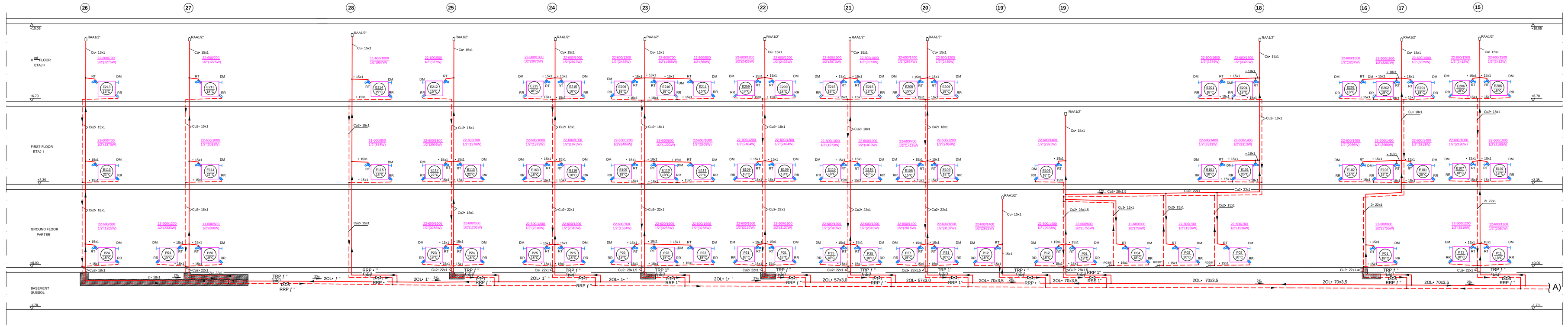

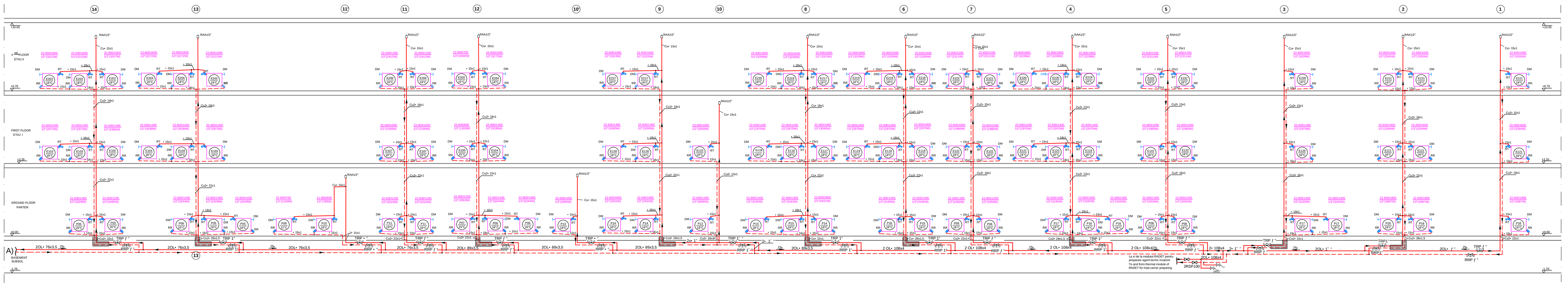

* Radiatoarele se vor alege in functie de debitul termic pe care trebuie sa il asigure in incaperea respectiva si de caracteristicile comunicate de furnizor, pentru inaltimea impusa de proiectant (H = 600 mm).
* Inaltimea de montare a radiatoarelor va fi de **150 - 200 mm de la pardoseala incaperii** pana la partea inferioara a corpului de incalzire.
* Racordarea la coloane se va realiza numai **"in cruce"**, pentru obtinerea unei eficiente maxime, in conformitate cu detaliul alaturat.
* Se va respecta - cu strictete - modul de racordare la coloana : pentru **conducta de tur, panta ascendenta de 2 %, spre coloana** iar pentru **conducta de retur panta descendenta de 2 %, catre coloana**.
* Robinetele automate de aerisire se vor monta la inaltimea de **2,80 m fata de cota pardoselii** etajului respectiv. Conductele de aerisire vor fi prinse in suporti, tip bratara, in apropierea robinetului de aerisire.
* Conductele de distribuite, din subsol vor fi asamblate **prin fitinguri filetate pana la diametrul de 1"** si **prin sudura cu flacara oxiacetilenica peste acest diametru.**
* Izolarea conductelor de distribuite se va face numai **dupa executarea probelor de etanseitate si dilatare-contractare "la cald"** si grundurarea, in doua straturi a acestora.
* Pe exteriorul stratului de protectie a termoizolatiei se vor inscriptiona **tipul conductei si sensul de curgere al fluidului.**

* The steel-heaters will be selected according to the thermal flow that has to be respected for the room's characteristics and to the height requirements imposed by the designer (H=600 mm) and the technical data provided by the supplier.
* The steel-heaters will comply with a fitting height of (**150 - 200) mm from the floor of the room** up the inferior part of heating device.
* The steel-heater will be connected to the pipeline only through a **"cross pattern"** in order to obtain maximum efficiency, according to the attached detail drawing.
* The method of connection to the pipeline will be strictly observed: **for the flow line - gradient of 2%, ascending towards the pipeline** and **for the falling line - gradient of 2%, descending towards the pipeline.**
* The automatic valves for deairation will be fitted at a height of 2,80 m from the quota of the floor present on the respective level. The ventilation ducts will be fixed with support devices, bracket like, near the deairation valve.
* The distribution ducts from the basement will be fitted **with the help of threaded adapting pieces, up to 1" in diameter** and **with the help of oxyacetylene welding for diameters above this value.**
* The distribution ducts will be insulated only **after** they are varnished with two layers of paint and **the sealing and dilation-contraction tests are performed.**
* **The type of the duct and the flow direction of the liquid** will be marked on the exterior protection layer of thermo-insulation.

LEGEND :

	Heating flow line (from copper and steel pipe)
	Heating falling line (from copper and steel pipe)
22.60021005 10"/1197/MG	Steel heater, 1500 mm - length, 600 mm - height and two columns with angle valve, (1/2" diameter) turn-return, total thermal power loss (normal conditions) 4.744 W
DM	Manual deaeration outfit, mounted on the heater, • 1/2"
RAA • "	Automatic valve for deairation, assembled on the uprises end, • 1/2"
RT	Angle control valve, assembled on the heater, on flow line • 1/2"
RR	Angle valve, simple adjustement, assembled on the heater's return line, • 1/2"
RG 3/8"	Hose bib cock, • 3/8"
TRP / "	Automatic valve for pressure adjustement, 3/4", on flow line
RRP / "	Automatic valve for pressure adjustement, 3/4", on falling line
RSF100	Separating sluice valve with flanges, ND 100, NP 6 bar

LEGENDA:

	Conducta incalzire, tur (teava de cupru si teava de otel)
	Conducta incalzire, retur (teava de cupru si teava de otel)
22.60021005 10"/1197/MG	Radiator din otel, cu lungime de 1500mm, inaltimea de 600mm si doua coloane, cu ventil de diametru 1/2" (turi/retur), putere totala cedata in conditii nominale 4744W
DM	Dispozitiv manual de aerisire montat la radiator, • 1/2"
RAA • "	Robinet automat de aerisire, montat la capatul coloanei, H=2,8 m, • 1/2"
RTS	Robinet de trecere cu sfera, montat la radiator pe conducta de tur, • 1/2"
RR	Robinet coltar, simplu reglaj montat la radiator pe conducta de retur, • 1/2"
RG 3/8"	Robinet cu racord portfurtun, pentru golire • 3/8"
TRP / "	Robinet automat de reglare a presiunii, • 3/4", pe tur
RRP / "	Robinet automat de reglare a presiunii, • 3/4", pe retur
RSF100	Robinet de sectionare cu sertar si flanse, Dn 100, pn 6 bari

NOTE :

*The present drawing will be consulted together with following plans :

A-T-001, A-T-002, A-T-003, A-T-004, A-T-005, A-T-006, A-T-007, A-T-008,

A-T-009, A-T-010, A-T-011, A-T-012, B-T-001, B-T-002 and B-T-003

NOTA :

*Prezentul desen se va consulta impreuna cu planurile : A-T-001,

A-T-002, A-T-003, A-T-004, A-T-005, A-T-006, A-T-007, A-T-008,

A-T-009, A-T-010, A-T-011, A-T-012, B-T-001, B-T-002 and B-T-003

VERIFICATOR / VERIFICATOR	NUME / NAME	SEMNATURA / SIGNATURE	CERINTA / REQUIREMENT	REFERAT / EXPERTIZA NR. / DATA / REPORT / TECHNICAL EXPERTISE / DATE		
PROIECT DESIGN COORDINATOR PROJECT:			THE LOUIS BERGER GROUP, INC			
BUCHAREST SCHOOLS INFRASTRUCTURE REHABILITATION / REABILITAREA INFRASTRUCTURII EDUCATIONALE IN MUNICIPIUL BUCURESTI						
DESIGNER/PROIECTANT:				Rev		
				W3		
				W2		
				W1		
BENEFICIARY/BENEFICIAR:				Modif.	Data/Data	DESIGNED BY/PROIECTAT
MUNICIPALITY OF BUCHAREST PRIMARIA MUNICIPIULUI BUCURESTI				SCHOOL NAME/ NUME SCOALA		General School no. 36 / Scoala Generala nr. 36
	NAME / NUME	SIGNATURE / SEMNATURA		TYPE OF WORK/ LUCRARE		HEATING DESIGN / INSTALATII DE INCALZIRE BUILDING "A+D" / CLADIRE "A+D"
DESIGNED BY / PROIECTAT	Ing. Daniel STOICA					
VERIFIED BY / VERIFICAT	Ing. Florian DUTA			FAZA / FAZA		UPRISES SCHEME (EXISTING BUILDINGS) / SCHEMA COLOANELOR (CLADIRI EXISTENTE)
PROJ. DR. / ST. PROIECT	ing. Daniel HOANDRESCU					
DATE / DATA		SCALE / SCARA		EXEMPLAR NR.	PROJ. PHASE/FAZA PROIECT Detailed Design/ Detaliu	PROJ. No./Nr. PROIECT 063/14	DRWG. No./Nr. PLANSA A - T - 013
07/2006						

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