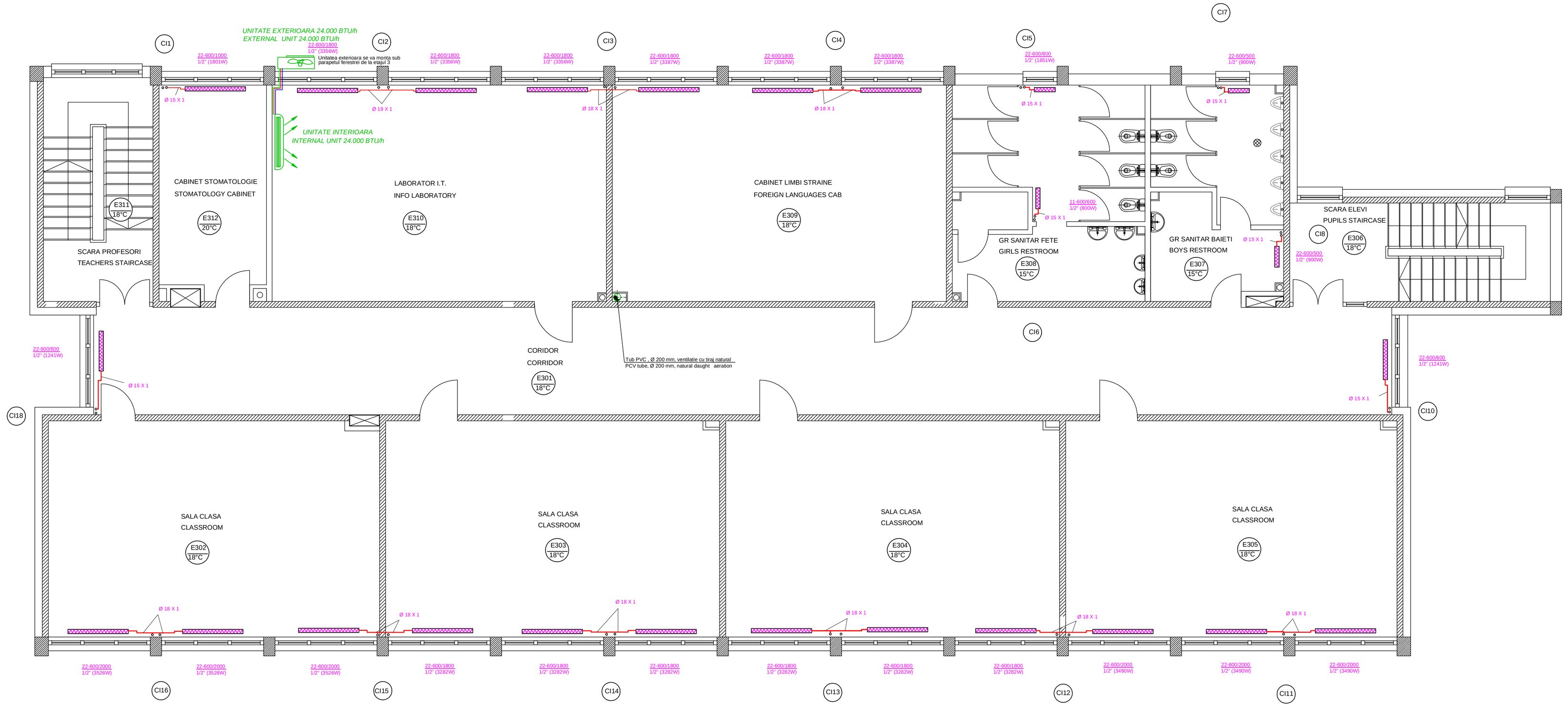

NOTA :

* Conductele de alimentare cu energie termica pentru incalzire se vor bransa la racordul termic existent, dupa punctul de contorizare din subsolul scolii.

* Coloanele se vor monta la inaltimea indicata in schema coloanelor (vezi plan A - T/V - 006)

* Montarea corpurilor din diferitele incaperi se va realiza in asa fel incat sa nu influenteze asupra functionarii fiecaruia dintre ele.

* Prezentul se va consulta impreuna cu planurile A - T/V - 001, A - T/V - 002, A - T/V - 003, A -T/V -004 si A - T/V - 006

* Legenda se va consulta in planul A - T/V - 006.

EXECUTAREA LUCRARILOR DE MONTAJ A INSTALATIEI

DE INCALZIRE SE VA FACE CU RESPECTAREA PRESCRIPTIILOR

DIN CAIETELE DE SARCINI SPECIFICE ACESTOR TIP DE LUCRARI

NOTE :

* The heating supply pipes will be connected to the existing thermal branch, after the measurement point from the basement floor.

* The uprises will be assembled at the indicated elevation by the uprises scheme (see the plan A - T/V - 006)

* The assembling of the hot-water heaters will be realised so that is doesn't impose any of their functioning.

* The present plan will be consulted together with the following drawings : A - T/V - 001, A - T/V - 002, A - T/V - 003, A -T/V - 004 si A - T/V - 006

* The legend will be consulted in the plan no. A - T/V - 006.

THE EXECUTION OF THE FIXING WORKS FOR HEATING

INSTALLATION WILL BE CARRIED OUT ACCORDING TO THE

PROVISIONS OF THE TECHNICAL SPECIFICATIONS THAT ARE

INTENDED FOR THIS TYPE OF WORKS.

* 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 distributie, 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 distributie se va face numai **dupa executarea probelor de etanseitate si dilatare-contractare "la cald"**si grunduirea, in doua straturi a acestora.

* Pe exterioul 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 diltation-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.

NUME NAME	SEMNATURA SIGNATURE	CERINTA REQUIREMENT	REFERAT / EXPERTIZA NR. / DATA REPORT / TECHNICAL EXPERTISE / DATE

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

BUCHAREST SCHOOLS INFRASTRUCTURE REHABILITATION / REABILITAREA INFRASTRUCTURII EDUCATIONALE IN MUNICIPIUL BUCURESTI

CONSILIER CONSTRUCT

M4					
M3					
M2					
M1					
Modif	Data/Date	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. 310 / Scoala Generala nr. 310

DESIGNED BY PROIECTAT	ing. Michaela DUTA	
VERIFIED BY VERIFICAT	ing. Florian DUTA	
PROJ. DIR. SEF PROIECT	arh. Sorin ICHIM	

TYPE OF WORKS/ LUCRARE: HEATING AND VENTILATION DESIGN / INSTALATII DE INCALZIRE SI VENTILATIE — **BUILDING "A" / CLADIRE "A"**

TITLE/ PLANSA: III-rd FLOOR PLAN (EXISTING BUILDING) — PLAN ETAJ 3 (CONSTRUCTIE EXISTENTA)

DATE/ DATA	SCALE/ SCARA	EXEMPLAR NR.	PROJ. PHASE/FAZA PROIECT	PROJ. No./Nr.PROIECT	DRWG. No./Nr. PLANSA
04/2006	1 : 50		Detailed Design Proiect tehnic	087/S6	A-T/V-005

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1050 X 594 mm