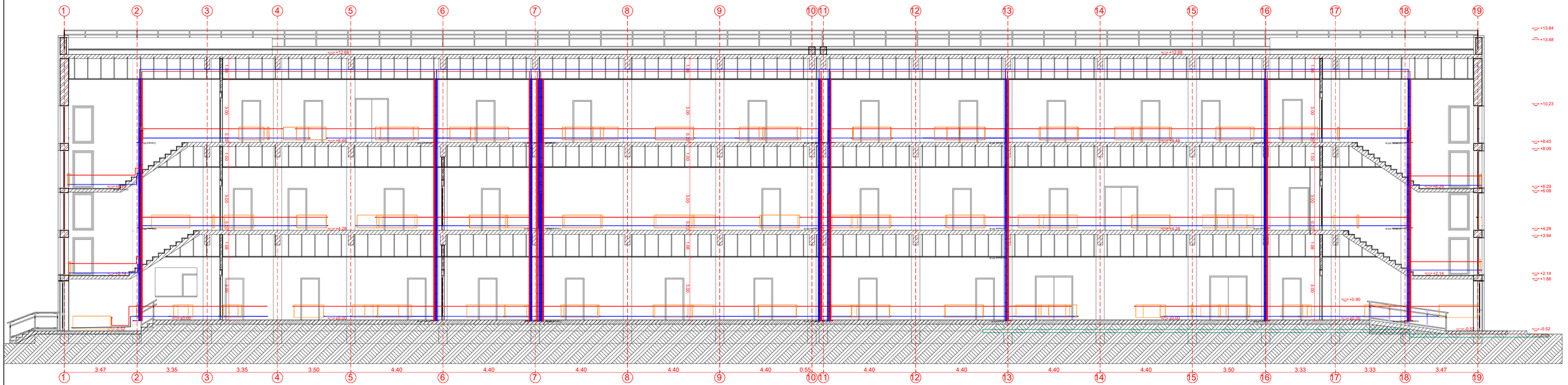


SECTIUNE LOGITUDINALA

Legenda

exemplu: 22-600x800
P=1461W; ∅¾"

Radiator din tabla de otel:

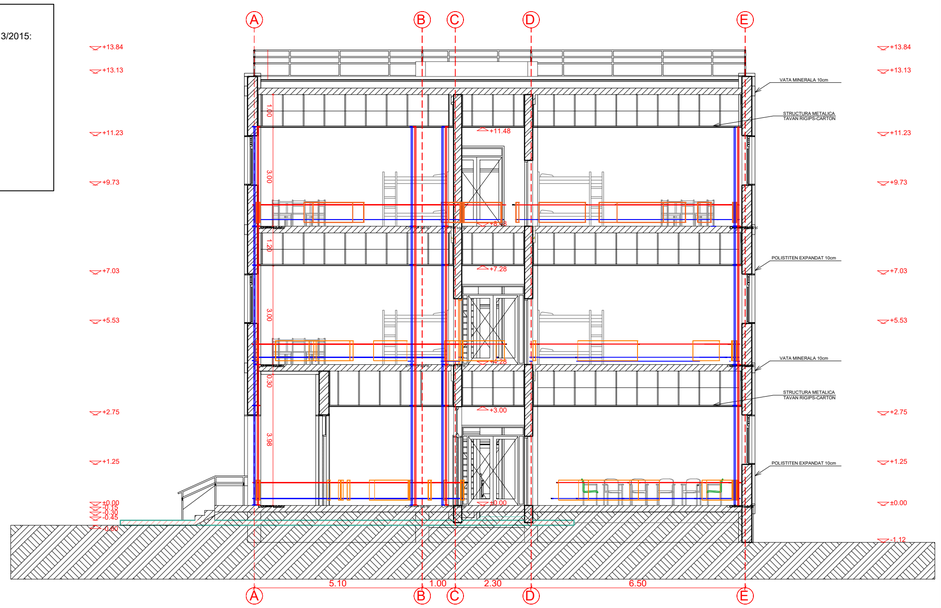
Distanțele de amplasare a corpurilor de încălzire sunt conform Normativ I13/2015:

- față de pardoseală circa 12 cm
- față de perete circa 3 - 5 cm

tip-inaltime[mm] x lungime[mm]
sarcina termica(W); racord[toli]

Conducta incalzire tur executata din teava de polipropilena cu insertie de aluminiu montata aparent la perete

Conducta incalzire retur executata din teava de polipropilena cu insertie de aluminiu montata aparent la perete



SECTIUNE TANSVERSALA

Bilanțul de calcul instalații termice

Nr. crt.	Nr. camere / Etaj	Birou	Destinația încăperii	Suprafața		Volum	Temp. de calcul	Temp. aer interioară (pentru calcule)	Temp. aer exterioară (pentru calcule)	Necesarul de căldură	Tip Radiator	Putere termică	Nr. elem.	Putere termică
				mp	m	mc	°C	°C	°C	W/mc	V/H		W	Tot. W
1		P-001	Sala TRATAMENT MEDICAL	15.84	3.00	47.52	20	+5	-20.5	1.03	22-600x1200	2181	1	2181
2		P-001	SALA DE AȘTEPTARE	15.95	3.00	48.05	20	+5	-20.5	1.77	22-600x1200	2181	1	2181
3		P-002	SPATIU RELAX	26.58	3.00	80.02	18	+5	-20.5	2.53	22-600x1200	3267	1	3267
4		P-002	SALETE STUDIO	4.5	3.00	13.50	18	+5	-20.5	0.66	22-600x600	730	1	730
5		P-003	SALA DE AȘTEPTARE	20.48	3.00	61.43	20	+5	-20.5	1.77	22-600x1200	2181	1	2181
6		P-004	SALA DE AȘTEPTARE	20.48	3.00	61.43	20	+5	-20.5	1.95	22-600x1400	2956	1	2956
7		P-004	DESERT FEMEI/ CEAIUNI	27.58	3.00	81.32	20	+5	-20.5	2.39	22-600x1400	2956	1	2956
8		P-005	SPECIFICITATE LA CASTOR	27.27	3.00	81.81	20	+5	-20.5	2.13	22-600x1200	3267	1	3267
9		P-007	SPECIFICITATE LA CASTOR	27.27	3.00	81.81	20	+5	-20.5	2.13	22-600x1200	3267	1	3267
10		P-008	SPECIFICITATE LA CASTOR	27.27	3.00	81.81	20	+5	-20.5	2.13	22-600x1200	3267	1	3267
11		P-009	SPECIFICITATE LA CASTOR	27.27	3.00	81.81	20	+5	-20.5	2.13	22-600x1200	3267	1	3267
12		P-010	SPECIFICITATE LA CASTOR	27.27	3.00	81.81	20	+5	-20.5	2.13	22-600x1200	3267	1	3267
13		P-011	SALA DE ASTEPTARE	20.48	3.00	61.43	20	+5	-20.5	1.77	22-600x1200	2181	1	2181
14		P-012	SALA DE MESE	11.5	3.00	34.50	20	+5	-20.5	2.46	22-600x1400	1050	1	1050
15		P-013	HOL	11.5	3.00	34.50	20	+5	-20.5	2.46	22-600x1400	1050	1	1050
16		P-014	SPATIU RELAXARE	21.5	3.00	64.50	18	+5	-20.5	2.53	22-600x1200	3267	1	3267
17		P-015	SPATIU RELAXARE	21.5	3.00	64.50	18	+5	-20.5	2.53	22-600x1200	3267	1	3267
18		P-016	SPATIU RELAXARE	37.45	3.00	112.35	22	+5	-20.5	2.64	22-600x2000	5040	4	5040
19		P-017	SALA MESE	11.5	3.00	34.50	20	+5	-20.5	2.46	22-600x1400	1050	1	1050
20		P-018	SPATIU RELAXARE	21.5	3.00	64.50	18	+5	-20.5	2.53	22-600x1200	3267	1	3267
21		P-019	DESERT FEMEI/ CEAIUNI	26.58	3.00	79.74	20	+5	-20.5	2.39	22-600x1400	2956	1	2956
22		P-020	SPATIU RELAXARE	21.5	3.00	64.50	18	+5	-20.5	2.53	22-600x1200	3267	1	3267
23		P-021	SPATIU ASISTENTI LA CASTOR	26.58	3.00	79.74	20	+5	-20.5	2.39	22-600x1400	2956	1	2956
24		P-022	SPATIU RELAXARE	26.47	3.00	79.41	20	+5	-20.5	2.39	22-600x1400	2956	1	2956
25		P-023	SPATIU RELAXARE	21.5	3.00	64.50	18	+5	-20.5	2.53	22-600x1200	3267	1	3267
26		P-024	SPATIU RELAXARE	21.5	3.00	64.50	18	+5	-20.5	2.53	22-600x1200	3267	1	3267
27		P-025	SUPRAVEGHERE	12.24	3.00	67.32	20	+5	-20.5	1.21	22-600x600	1461	1	1461
28		P-026	SALA DE AȘTEPTARE (CEAIUNI)	14.58	3.00	43.74	20	+5	-20.5	1.77	22-600x1200	2181	1	2181
29		P-027	SALA DE AȘTEPTARE	14.58	3.00	43.74	20	+5	-20.5	1.77	22-600x1200	2181	1	2181
30		P-028	CABINET MEDICAL	20.97	3.00	62.91	20	+5	-20.5	2.33	22-600x1400	2956	1	2956
31		P-029	SALA STAGE	21.56	3.00	64.16	18	+5	-20.5	2.53	22-600x1200	3267	1	3267
32		P-030	HOL	104.73	3.00	314.20	20	+5	-20.5	10.16	22-600x1200	2181	6	13148
33			Total	937.81		2537.93				97.84		78182	44	105672

Bilanțul de calcul instalații termice

Nr. crt.	Nr. camere / Etaj	Birou	Destinația încăperii	Suprafața		Volum	Temp. de calcul	Temp. aer interioară (pentru calcule)	Temp. aer exterioară (pentru calcule)	Necesarul de căldură	Tip Radiator	Putere termică	Nr. elem.	Putere termică
				mp	m	mc	°C	°C	°C	W/mc	V/H		W	Tot. W
34		E1.01	SPATIU CERCUIRE	21.42	3.00	57.83	20	+5	-20.5	2.13	22-600x1200	3267	1	3267
35		E1.02	SPATIU CERCUIRE	21.42	3.00	64.26	20	+5	-20.5	1.48	22-600x1000	2267	1	2267
36		E1.03	HOL	104.73	3.00	314.20	20	+5	-20.5	7.47	22-600x1200	2181	6	13148
37		E1.03	CAMERA MARA/ INSOARE TI	24.94	3.00	74.82	20	+5	-20.5	2.11	22-600x1000	2267	1	2267
38		E1.04	DORMITOR	32.29	3.00	161.93	18	+5	-20.5	0.93	22-600x1200	3267	3	9801
39		E1.05	CAMERA CUPLA	21.42	3.00	64.26	20	+5	-20.5	1.48	22-600x1000	2267	1	2267
40		E1.06	DORMITOR	21.42	3.00	64.26	20	+5	-20.5	1.48	22-600x1000	2267	1	2267
41		E1.07	DORMITOR	25.57	3.00	153.41	20	+5	-20.5	0.72	22-600x1000	2267	1	2267
42		E1.08	DORMITOR	25.57	3.00	153.41	20	+5	-20.5	0.72	22-600x1000	2267	1	2267
43		E1.09	APARTAMENT	25.57	3.00	153.41	20	+5	-20.5	0.72	22-600x1000	2267	1	2267
44		E1.10	DORMITOR	21.42	3.00	64.26	20	+5	-20.5	1.48	22-600x1000	2267	1	2267
45		E1.11	APARTAMENT	25.57	3.00	153.41	20	+5	-20.5	0.72	22-600x1000	2267	1	2267
46		E1.12	CAMERA CUPLA	21.42	3.00	64.26	20	+5	-20.5	1.48	22-600x1000	2267	1	2267
47		E1.13	CAMERA CUPLA	21.42	3.00	64.26	20	+5	-20.5	1.48	22-600x1000	2267	1	2267
48		E1.14	SPATIU DESTINAT ACTIVITATII GLOBAL	14.70	3.00	161.25	20	+5	-20.5	1.03	22-600x1400	2956	1	2956
49		E1.15	HOL	24.50	3.00	73.50	20	+5	-20.5	2.02	22-600x1200	3267	1	3267
50	Parter Etaj 1	E1.16	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
51		E1.17	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
52		E1.18	DORMITOR	25.31	3.00	75.93	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
53		E1.19	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
54		E1.20	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
55		E1.21	DORMITOR	25.31	3.00	75.93	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
56		E1.22	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
57		E1.23	DORMITOR	25.29	3.00	75.76	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
58		E1.24	SPATIU CERCUIRE	20.08	3.00	60.24	20	+5	-20.5	2.32	22-600x1000	3267	1	3267
59		E1.25	SALA MARE	31.68	3.00	95.04	22	+5	-20.5	2.07	22-600x1000	1426	3	5479
60		E1.26	SALA SUMU	21	4.00	84.00	18	+5	-20.5	0.06	22-600x1000	3267	1	3267
61		E1.27	HOL	104.74	3.00	314.22	18	+5	-20.5	11.41	22-600x1200	2181	6	13148
62			Total	452.54		2547.61				98.76		83169	56	168451

Bilanțul de calcul instalații termice

Nr. crt.	Nr. camere / Etaj	Birou	Destinația încăperii	Suprafața		Volum	Temp. de calcul	Temp. aer interioară (pentru calcule)	Temp. aer exterioară (pentru calcule)	Necesarul de căldură	Tip Radiator	Putere termică	Nr. elem.	Putere termică
				mp	m	mc	°C	°C	°C	W/mc	V/H		W	Tot. W
63		E2.01	SPATIU	21.42	3.00	64.26	20	+5	-20.5	1.48	22-600x1000	2267	1	2267
64		E2.02	SPATIU CERCUIRE	21.42	3.00	64.26	20	+5	-20.5	1.48	22-600x1000	2267	1	2267
65		E2.03	SALA DE AUTOPSIE	9.10	3.00	27.30	20	+5	-20.5	0.77	22-600x600	730	1	730
66		E2.04	SALA DE AUTOPSIE	9.10	3.00	27.30	20	+5	-20.5	0.77	22-600x600	730	1	730
67		E2.05	SALA DE STUDIU	24.50	3.00	73.50	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
68		E2.06	SALA DE STUDIU	24.50	3.00	64.78	20	+5	-20.5	0.34	22-600x1000	3267	1	3267
69		E2.07	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
70		E2.08	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
71		E2.09	DORMITOR	25.31	3.00	75.93	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
72		E2.10	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
73		E2.11	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
74		E2.12	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
75		E2.13	CAMERA CUPLA	21.42	3.00	64.26	20	+5	-20.5	1.48	22-600x1000	2267	1	2267
76		E2.14	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
77		E2.15	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
78		E2.16	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
79		E2.17	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
80		E2.18	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
81		E2.19	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
82		E2.20	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
83		E2.21	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
84		E2.22	DORMITOR	25.29	3.00	75.87	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
85		E2.23	DORMITOR	25.29	3.00	75.76	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
86		E2.24	DORMITOR	25.29	3.00	75.76	20	+5	-20.5	2.02	22-600x1000	3267	1	3267
87		E2.25	SPATIU CERCUIRE	20.08	3.00	60.24	20	+5	-20.5	2.32	22-600x1000	3267	1	3267
88		E2.26	HOL	104.73	3.00	314.20	18	+5	-20.5	11.41	22-600x1200	2181	6	13148
			Total	1409.04		7630.54				99.23		Radiatoare	121	337590

VERIFICATORI			
VERIFICATORI/EXPERȚI	**NUME**	**SEMNĂTURĂ**	**CERINȚĂ**

PROIECTANT GENERAL
BIROU DE PROIECTARE
S.C. FILIPS ART DESIGN S.R.L.
Adresa: aleea. Mihail Sadoveanu, nr.19 ,IAȘI

Șef Proiect	ing. Dragoș Filip
PROIECTAT	ing. Marian Cremeriuc
DESENAT	ing. Marian Cremeriuc

REFERAT / EXPERTIZĂ/ NR. /DATĂ

NUMAR PROIECT:	01-001/2022
FAZA PROIECT:	D.A.L.I.
DATA PROIECT:	2022
NUMAR PLANSA:	IT 05
SCARA:	-

TITLU PROIECT:
"IMBUNATATIREA CONDITIILOR DE CAZARE DE LA CENTRUL REGIONAL GIURGIU PRIN LUCRARI DE MODERNIZARE (REAMENAJARE/REABILITARE/CONSTRUCTIEI SI DOTAREA)"

AMPLASAMENT:
LOCALITATEA GIURGIU, BULEVARD 1907, NR. 1C, JUDET GIURGIU

BENEFICIAR:
MINISTERUL AFACERILOR INTERNE INSPECTORATUL GENERAL PENTRU IMIGRARI

TITLU PLANSA:
INSTALAȚII DE INCALZIRE
SCHEMA COLOANELOR