

OBIECTIV: INSTITUTIE PENTRU INVATAMANT PRESCOLAR SI INVATAMANT PRIMAR,
OBIECTUL: IMPREJMUIRE PARTIALA
STADIUL FIZIC: INSTALATII TERMICE
Beneficiar: COMUNA BUCOVAT
Proiectant: AC PROJECTXPRT S.R.L.

F3 - LISTA cu cantitati de lucrari pe categorii de lucrari

- lei -

SECTIUNEA TEHNICA				SECTIUNEA FINANCIARA	
Nr.	Capitolul de lucrari	U.M.	Cantitatea	Pretul unitar (exclusiv TVA) -lei-	TOTALUL (exclusiv TVA) -lei-
0	1	2	3	4	5 = 3 x 4
1 PLAN PARTER					
1.1	IB02001 [1] MONTARE RADIATOARE DIN OTEL	BUC	56.00	5.58	312.48
			material:	0.00	0.00
			manopera:	5.58	312.48
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.2	20033648 CALORIFER DIN OTEL TIP PANOU, 22, 600 x800	buc	1.00	400.00	400.00
			material:	400.00	400.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.3	20033649 CALORIFER DIN OTEL TIP PANOU, 22, 600 x900	buc	1.00	450.00	450.00
			material:	450.00	450.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.4	20033650 CALORIFER DIN OTEL TIP PANOU, 22, 600 x1000	buc	1.00	500.00	500.00
			material:	500.00	500.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.5	20033651 CALORIFER DIN OTEL TIP PANOU, 22, 600 x1400	buc	9.00	635.00	5,715.00
			material:	635.00	5,715.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.6	20033652 CALORIFER DIN OTEL TIP PANOU, 22, 600 x1600	buc	7.00	700.00	4,900.00
			material:	700.00	4,900.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.7	20033653 CALORIFER DIN OTEL TIP PANOU, 22, 600 x1800	buc	6.00	790.00	4,740.00
			material:	790.00	4,740.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.8	20033660 CALORIFER DIN OTEL TIP PANOU, 22, 600 x2000	buc	12.00	850.00	10,200.00
			material:	850.00	10,200.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: INSTALATII TERMICE

0	1	2	3	4	5 = 3 x 4
1.9	20033654 CALORIFER DIN OTEL TIP PANOU, 22, 600 x2300	buc	1.00	1,150.00	1,150.00
			material:	1,150.00	1,150.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.10	20033655 CALORIFER DIN OTEL TIP PANOU, 22, 500 x1600	buc	2.00	900.00	1,800.00
			material:	900.00	1,800.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.11	20033658 CALORIFER DIN OTEL TIP PANOU, 22, 500 x1800	buc	15.00	1,250.00	18,750.00
			material:	1,250.00	18,750.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.12	20033659 CALORIFER DIN OTEL TIP PANOU, 22, 500 x2000	buc	1.00	1,480.00	1,480.00
			material:	1,480.00	1,480.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.13	ID01A2 ROBINET VENTIL DUBLU REGLAJ DE COLT PT. INST.INCALZIRE CENTRALA CU D: 1/2'	BUC	112.00	6.90	773.02
			material:	1.63	182.78
			manopera:	5.27	590.24
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.14	4833212 SET ROBINETI RADIATOR (TUR TERMOSTATAT+ RETUR+CAP TERMOSTATAT) 1/2"	buc	56.00	120.00	6,720.00
			material:	120.00	6,720.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.15	RPIC11F# Mont.tevii,cupru (sf-cu moale),instal,incalz.centrlipire, leg.ap.incalzire,loc.civ/soc-cult, 18*1mm	m	1,320.00	106.33	140,353.73
			material:	23.05	30,424.13
			manopera:	58.28	76,929.60
			utilaj:	25.00	33,000.00
			transport:	0.00	0.00
1.15.L	5904812 Aliaj de lipit tevi din cupru moale l-sn-cu d=2-3/250gr	kg	99.00	290.00	28,710.00
1.15.L	3334212 Teava sf-cu moale in colaci de 18 x 1 mm	m	1,346.40	42.00	56,548.80
1.16	RPIC14C# Mont.tevii,cupru(sf-cu dura),instal,incalz.centrlipire,in colane,loc.civ/soc-cult,28*1mm	m	24.00	114.11	2,738.55
			material:	39.16	939.75
			manopera:	44.95	1,078.80
			utilaj:	30.00	720.00
			transport:	0.00	0.00
1.16.L	5904812 Aliaj de lipit tevi din cupru moale l-sn-cu d=2-3/250gr	kg	3.60	290.00	1,044.00
1.16.L	3334225 Teava sf-cu dur in bare de cite 5 m lungime- 28 x 1 mm	m	24.48	59.00	1,444.32
1.17	RPIC14E# Mont.tevii,cupru(sf-cu dura),instal,incalz.centrlipire,in colane,loc.civ/soc-cult,35*1 mm	m	10.00	129.23	1,292.26
			material:	48.01	480.06
			manopera:	50.22	502.20
			utilaj:	31.00	310.00
			transport:	0.00	0.00
1.17.L	5904812 Aliaj de lipit tevi din cupru moale l-sn-cu d=2-3/250gr	kg	1.80	290.00	522.00
1.17.L	3334227 Teava sf-cu dur in bare de cite 5 m lungime- 35 x 1 mm	m	10.20	75.00	765.00

STADIUL FIZIC: INSTALATII TERMICE

0	1	2	3	4	5 = 3 x 4
1.18	RPIC14G# Mont.tevii,cupru(sf-cu dura),instal,incalz.centrlipire,in colane,loc.civ/soc-cult,42*1 mm	m	60.00	146.15	8,768.78
			material:	56.90	3,413.78
			manopera:	54.25	3,255.00
			utilaj:	35.00	2,100.00
			transport:	0.00	0.00
1.18.L	5904812 Aliaj de lipit tevi din cupru moale l-sn-cu d=2-3/250gr	kg	12.00	290.00	3,480.00
1.18.L	333597A Cleme pt. fixarea tevilor de cupru simple pt. 42 mm	buc	30.00	10.56	316.80
1.18.L	3334229 Teava sf-cu dur in bare de cite 5 m lungime- 42 x 1 mm	m	61.20	110.00	6,732.00
1.19	RPIC13D# [1] Mont.tevii,cupru(sf-cu semidura),instal,incalz.centrlipire,leg.ap.incalz,loc.civ/soc-cult,64*1.5m m	m	20.00	183.13	3,662.56
			material:	64.99	1,299.76
			manopera:	75.64	1,512.80
			utilaj:	42.50	850.00
			transport:	0.00	0.00
1.19.L	5904812 Aliaj de lipit tevi din cupru moale l-sn-cu d=2-3/250gr	kg	4.80	290.00	1,392.00
1.20	3100022 TEAVA CUPRU IN BARA PT INCALZIRE/SANITARE D.64x1.5mm	m	20.40	290.00	5,916.00
			material:	290.00	5,916.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.21	SA37G# Bratară fixare conducte alim apa si gaze,ol sau pvc Montare incastrat, conducte...d=2 1/2	buc	10.00	14.61	146.07
			material:	0.35	3.47
			manopera:	14.26	142.60
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.21.L	4204111 Bratară tevi instalatii apa si gaze 2 1/2	buc	10.00	4.00	40.00
1.22	SA37D# Bratară fixare conducte alim apa si gaze,ol sau pvc Montare incastrat, conducte...d=1 1/4	buc	34.00	11.81	401.57
			material:	0.34	11.59
			manopera:	11.47	389.98
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.22.L	4204082 Bratară tevi instalatii apa si gaze 1 1/4	buc	34.00	2.00	68.00
1.23	SA37C# Bratară fixare conducte alim apa si gaze,ol sau pvc Montare incastrat, conducte...d=1	buc	3.00	10.57	31.71
			material:	0.34	1.02
			manopera:	10.23	30.69
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.23.L	4204070 Bratară tevi instalatii apa si gaze 1	buc	3.00	2.00	6.00
1.24	ID06D1 Robinet cu sertar pana , cu mufe , pentru instalatie incalzire centrala , cu d: 2 1/2	buc	2.00	33.51	67.02
			material:	5.92	11.84
			manopera:	27.59	55.18
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.25	3811281 ROBINET CU SFERA SI RACORD OLANDEZ FE-FI 1 1/2"	buc	2.00	250.00	500.00
			material:	250.00	500.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.26	ID06A3 Robinet cu sertar pana , cu mufe , pentru instalatie incalzire centrala , cu d: 1	buc	12.00	8.61	103.27
			material:	1.79	21.43
			manopera:	6.82	81.84
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: INSTALATII TERMICE

0	1	2	3	4	5 = 3 x 4
1.27	3811279 ROBINET CU SFERA SI RACORD OLANDEZ FE-FI 1"	buc	12.00	100.00	1,200.00
			material:	100.00	1,200.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.28	IC34F1# Piese de legatura (fitinguri) cu...2 suduri din cupru montate prin sudura cu teava de cupru cu diametrul exterior de 42 mm	buc	4.00	63.44	253.74
			material:	38.64	154.54
			manopera:	24.80	99.20
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.29	2304326 COT CUPRU MF PT IMBINARE PRIN SUDURA LA 90 GRD D.42mm	buc	4.00	61.50	246.00
			material:	61.50	246.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.30	IC34M1# Piese de legatura (fitinguri) cu...3 suduri din cupru montate prin sudura cu teava de cupru cu diametrul exterior de 42 mm	buc	4.00	99.66	398.62
			material:	57.81	231.22
			manopera:	41.85	167.40
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.31	3330854 TEU EGAL CUPRU PT IMBINARE PRIN SUDURA D.42mm	buc	6.00	83.00	498.00
			material:	83.00	498.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.32	IC34L1# Piese de legatura (fitinguri) cu...3 suduri din cupru montate prin sudura cu teava de cupru cu diametrul exterior de 35 mm	buc	2.00	80.77	161.54
			material:	48.22	96.44
			manopera:	32.55	65.10
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.33	3330828 Teu redus cupru DN 35x28x35	buc	2.00	57.00	114.00
			material:	57.00	114.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.34	RPIB07C# [1] Mont. aparat.de incalzire-colector(distribuator) pt. calorifere	buc	2.00	108.50	217.00
			material:	0.00	0.00
			manopera:	108.50	217.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.35	4124458 COLECTOR DISTRIBUTOR DIN ALAMA, 1" CU 8 CIRC. 3/4" EUROCON	buc	1.00	1,500.00	1,500.00
			material:	1,500.00	1,500.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.36	4124474 COLECTOR DISTRIBUTOR DIN ALAMA, 1" CU 10 CIRC. 3/4" EUROCON	buc	1.00	1,750.00	1,750.00
			material:	1,750.00	1,750.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.37	5105830 CASETA METALICA DISTRIBUTOR/COLECTOR REGLABILA SGP6 1130x575- 665x110-175 mm	buc	2.00	700.00	1,400.00
			material:	700.00	1,400.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: INSTALATII TERMICE

0	1	2	3	4	5 = 3 x 4
1.38	RPIB07C# [1] Mont. aparat.de incalzire-colector(distribuito) pt. calorifere	buc	2.00	108.50	217.00
			material:	0.00	0.00
			manopera:	108.50	217.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.39	4124474 COLECTOR DISTRIBUTOR DIN ALAMA, 1" CU 10 CIRC. 3/4" EUROCON	buc	1.00	1,750.00	1,750.00
			material:	1,750.00	1,750.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.40	4124475 COLECTOR DISTRIBUTOR DIN ALAMA, 1" CU 11 CIRC. 3/4" EUROCON	buc	1.00	2,000.00	2,000.00
			material:	2,000.00	2,000.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.41	5105830 CASETA METALICA DISTRIBUTOR/COLECTOR REGLABILA SGP6 1130x575- 665x110-175 mm	buc	2.00	700.00	1,400.00
			material:	700.00	1,400.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.42	RPIB07C# [1] Mont. aparat.de incalzire-colector(distribuito) pt. calorifere	buc	2.00	108.50	217.00
			material:	0.00	0.00
			manopera:	108.50	217.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.43	4124476 COLECTOR DISTRIBUTOR DIN ALAMA, 1" CU 7 CIRC. 3/4" EUROCON	buc	1.00	1,200.00	1,200.00
			material:	1,200.00	1,200.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.44	4124474 COLECTOR DISTRIBUTOR DIN ALAMA, 1" CU 10 CIRC. 3/4" EUROCON	buc	1.00	1,750.00	1,750.00
			material:	1,750.00	1,750.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.45	5105830 CASETA METALICA DISTRIBUTOR/COLECTOR REGLABILA SGP6 1130x575- 665x110-175 mm	buc	2.00	700.00	1,400.00
			material:	700.00	1,400.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.46	RPIC42C# Montarea adaptoarelor la tevine de cupru pt. instalatiile de incalzire centrala, 16(3/4")-28(5/4")	buc	336.00	92.40	31,046.40
			material:	0.00	0.00
			manopera:	43.40	14,582.40
			utilaj:	49.00	16,464.00
			transport:	0.00	0.00
1.47	3330749 Racord EUROCON 3/4"	buc	112.00	24.00	2,688.00
			material:	24.00	2,688.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
1.48	3331231 Adaptor cupru/bronz, filet int-int pentru tevi cu, DN = 18-3/4	buc	112.00	7.50	840.00
			material:	7.50	840.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: INSTALATII TERMICE

0	1		2	3	4	5 = 3 x 4
1.49	3330853	NIPLU REDUS DIN ALAMA GALBENA FE-FE 3/4" x1/2"	buc	112.00	10.00	1,120.00
				material:	10.00	1,120.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.50	RPID07A#	Montarea robinetilor, de aerisire cu ventil, cu cheie mobila d = 1/4 - 3/8 "	buc	12.00	13.60	163.15
				material:	5.54	66.43
				manopera:	8.06	96.72
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.51	3811282	ROBINET GOLIRE 1/2"	buc	6.00	50.00	300.00
				material:	50.00	300.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.52	4203184	VENTIL DE AERISIRE AUTOMAT 1/2"	buc	6.00	40.00	240.00
				material:	40.00	240.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.53	IZH08A	Izolarea conductelor cu saltele din vata de sticla, vata minerala tip I sau vata minerala tip P, cusute cu sârma din otel zincata pe împislitura din sârma zincata, îmbracate pe ambele fete, confectionate pe santier avînd grosimea de 60, 70, 80, 90, 100, 110 si 120 mm, la conducte cu circumferinta peste termoizolatie ...pîna la 80 cm inclusiv	mp	28.00	37.11	1,038.99
				material:	5.80	162.31
				manopera:	31.31	876.68
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.54	20033656	IZOLATIE ELASTOMER PT TEVI INSTALATII INCALZIRE/SANITARE D.18X19mm	m	1,350.00	11.00	14,850.00
				material:	11.00	14,850.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.55	20033661	IZOLATIE ELASTOMER PT TEVI INSTALATII INCALZIRE/SANITARE D.28X19mm	m	24.48	14.00	342.72
				material:	14.00	342.72
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.56	20033669	IZOLATIE ELASTOMER PT TEVI INSTALATII INCALZIRE/SANITARE D.35X19mm	m	10.20	17.00	173.40
				material:	17.00	173.40
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.57	20033657	IZOLATIE ELASTOMER PT TEVI INSTALATII INCALZIRE/SANITARE D.42X19mm	m	61.00	18.00	1,098.00
				material:	18.00	1,098.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.58	20012591	IZOLATIE ELASTOMER PT TEVI INSTALATII INCALZIRE/SANITARE D.60X19mm	m	20.40	30.00	612.00
				material:	30.00	612.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.59	RPCU11E2	Executarea de santuri pentru montarea conductelor cu sectiunea...de 276-500 cmp în zidarie de caramida cu mortar de ciment	m	180.00	34.10	6,138.00
				material:	0.00	0.00
				manopera:	34.10	6,138.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII TERMICE

0	1		2	3	4	5 = 3 x 4
1.60	SF01A1	EFECTUARE PROBA DE ETAS.LA PRES.A INST. INTER.DE APA,LA COND.OTEL ZN.SAU PB. PRES.INCLUSIV ARMAT	M	1,424.00	5.27	7,504.48
				material:	0.00	0.00
				manopera:	5.27	7,504.48
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.61	TRB05B23	Transportul materialelor prin purtat direct,materiale incomode peste 25 kg distanța 30m	tona	15.00	64.48	967.20
				material:	0.00	0.00
				manopera:	64.48	967.20
				utilaj:	0.00	0.00
				transport:	0.00	0.00
1.62	TRA01A20#	Transportul rutier al...materialelor,semifabricatelor cu autoutilitara pe dist.= 20 km.	tona	17.00	13.28	225.76
				material:	0.00	0.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	13.28	225.76

2 CAMERA TEHNICA

2.1	IA14A1#	Cazan de preparare agent termic ...pentru incalzire (apa calda 90/70) de otel monobloc avand puterea calorica pana la 70 kw	buc	2.00	985.68	1,971.36
				material:	112.68	225.36
				manopera:	558.00	1,116.00
				utilaj:	315.00	630.00
				transport:	0.00	0.00
2.2	5720086	CENTRALA TERMICA IN CONDENSATIE DE PUTERE 50 kW	buc	2.00	22,000.00	44,000.00
				material:	22,000.00	44,000.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.3	IA22C1	Boiler orizontal cu serpentina,capacitate de: 400l	buc	1.00	450.77	450.77
				material:	268.85	268.85
				manopera:	180.42	180.42
				utilaj:	1.50	1.50
				transport:	0.00	0.00
2.4	5783528	Boiler termoelectric cu o serpentina si rezistenta electrica, 300L, 9kW, montaj pardoseala	buc	1.00	4,500.00	4,500.00
				material:	4,500.00	4,500.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.5	IA32A1#	Vas de expansiune inchis cu membrana avand capacitatea de...pana la 500 l	buc	3.00	78.63	235.90
				material:	28.10	84.30
				manopera:	30.72	92.15
				utilaj:	19.82	59.45
				transport:	0.00	0.00
2.6	2308589	Vas de expansiune inchis cu membrana V=60L	buc	3.00	1,089.96	3,269.89
				material:	1,089.96	3,269.89
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.7	IA37B1#	Pompa de circulatie ...(recirculatie) montata pe conducta existenta prin insurubare avand diametrul de peste 1"	buc	2.00	99.17	198.34
				material:	7.02	14.04
				manopera:	92.15	184.30
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.8	5786101	Pompa ciruclatie agent termic in instalatia de incalzire Q=3,5mc/h H=5mcA	buc	2.00	1,189.05	2,378.10
				material:	1,189.05	2,378.10
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII TERMICE

0	1		2	3	4	5 = 3 x 4
2.9	IC42A1	Distribuitor-colector montat pe sustinator gata confectionat avand...d= 65 mm- 100 mm	buc	2.00	109.35	218.71
				material:	5.22	10.45
				manopera:	104.13	208.26
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.9.L	7318755	Distribuitor / colector 108x4 L = 1,6m stut 70x3 57x3 1/2 1 toli	buc	2.00	2,972.63	5,945.25
2.10	RPIC13D# [1]	Mont.tevii,cupru(sf-cu semidura),instal,incalz.cent, lipire,leg.ap.incalz,loc.civ/soc-cult,64*1.5m m	m	30.00	183.13	5,493.84
				material:	64.99	1,949.64
				manopera:	75.64	2,269.20
				utilaj:	42.50	1,275.00
				transport:	0.00	0.00
2.10.L	5904812	Aliaj de lipit tevi din cupru moale l-sn-cu d=2-3/250gr	kg	7.20	290.00	2,088.00
2.11	3100022	TEAVA CUPRU IN BARA PT INCALZIRE/SANITARE D.64x1.5mm	m	30.60	290.00	8,874.00
				material:	290.00	8,874.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.12	IC34G1# [1]	Piese de legatura (fitinguri) cu...2 suduri din cupru montate prin sudura cu teava de cupru cu diametrul exterior de 64 mm	buc	8.00	75.83	606.60
				material:	47.93	383.40
				manopera:	27.90	223.20
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.13	2304327	COT CUPRU FF PT IMBINARE PRIN SUDURA LA 90 GRD D.64mm	buc	8.00	330.00	2,640.00
				material:	330.00	2,640.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.14	IC34N1# [1]	Piese de legatura (fitinguri) cu...3 suduri din cupru montate prin sudura cu teava de cupru cu diametrul exterior de 64 mm	buc	10.00	122.79	1,227.90
				material:	73.19	731.90
				manopera:	49.60	496.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.15	3330855	TEU EGAL CUPRU PT IMBINARE PRIN SUDURA D.64mm	buc	6.00	336.00	2,016.00
				material:	336.00	2,016.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.16	3330856	TEU REDUS CUPRU PT IMBINARE PRIN SUDURA D.64x22x64mm	buc	4.00	200.00	800.00
				material:	200.00	800.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.17	RPIC14G#	Mont.tevii,cupru(sf-cu dura),instal,incalz.cent,lipire,in colane,loc.civ/soc-cult,42*1 mm	m	50.00	146.15	7,307.32
				material:	56.90	2,844.82
				manopera:	54.25	2,712.50
				utilaj:	35.00	1,750.00
				transport:	0.00	0.00
2.17.L	5904812	Aliaj de lipit tevi din cupru moale l-sn-cu d=2-3/250gr	kg	10.00	290.00	2,900.00
2.17.L	333597A	Cleme pt. fixarea tevilor de cupru simple pt. 42 mm	buc	25.00	10.56	264.00
2.17.L	3334229	Teava sf-cu dur in bare de cite 5 m lungime- 42 x 1 mm	m	51.00	110.00	5,610.00

STADIUL FIZIC: INSTALATII TERMICE

0	1		2	3	4	5 = 3 x 4
2.18	IC34F1#	Piese de legatura (fitinguri) cu...2 suduri din cupru montate prin sudura cu teava de cupru cu diametrul exterior de 42 mm	buc	10.00	63.44	634.35
				material:	38.64	386.35
				manopera:	24.80	248.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.19	2304326	COT CUPRU MF PT IMBINARE PRIN SUDURA LA 90 GRD D.42mm	buc	10.00	61.50	615.00
				material:	61.50	615.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.20	IC34M1#	Piese de legatura (fitinguri) cu...3 suduri din cupru montate prin sudura cu teava de cupru cu diametrul exterior de 42 mm	buc	6.00	99.66	597.93
				material:	57.81	346.83
				manopera:	41.85	251.10
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.21	3330854	TEU EGAL CUPRU PT IMBINARE PRIN SUDURA D.42mm	buc	6.00	83.00	498.00
				material:	83.00	498.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.22	RPIC14B#	Mont.tevii,cupru(sf-cu dura),instal,incalz.centrlipire,in colane,loc.civ/soc-cult,22*1mm	m	25.00	97.11	2,427.86
				material:	26.21	655.36
				manopera:	43.40	1,085.00
				utilaj:	27.50	687.50
				transport:	0.00	0.00
2.22.L	5904812	Aliaj de lipit tevi din cupru moale l-sn-cu d=2-3/250gr	kg	2.13	290.00	616.25
2.22.L	3335972	Cleme pt. fixarea tevelor de cupru simple pt. 22 mm	buc	18.50	6.90	127.65
2.22.L	3334224	Teava sf-cu dur in bare de cite 5 m lungime- 22 x 1 mm	m	25.50	40.00	1,020.00
2.23	IC34C1#	Piese de legatura (fitinguri) cu...2 suduri din cupru montate prin sudura cu teava de cupru cu diametrul exterior de 22 mm	buc	6.00	37.87	227.19
				material:	22.37	134.19
				manopera:	15.50	93.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.24	2304328	COT CUPRU FF PT IMBINARE PRIN SUDURA LA 90 GRD D.22mm	buc	6.00	8.50	51.00
				material:	8.50	51.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.25	IC34J1#	Piese de legatura (fitinguri) cu...3 suduri din cupru montate prin sudura cu teava de cupru cu diametrul exterior de 22 mm	buc	3.00	55.20	165.60
				material:	31.95	95.85
				manopera:	23.25	69.75
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.26	3330857	TEU EGAL CUPRU PT IMBINARE PRIN SUDURA D.22mm	buc	3.00	12.00	36.00
				material:	12.00	36.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.27	IA23A1	Armaturi fine pentru cazane incalzire centrala: termometru drepentru cu aparatoare	buc	3.00	24.18	72.54
				material:	0.00	0.00
				manopera:	24.18	72.54
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII TERMICE

0	1		2	3	4	5 = 3 x 4
2.28	IA23I1	Armaturi fine pentru cazane incalzire centrala: teaca pentru termometru.	buc	3.00	31.62	94.86
				material:	0.00	0.00
				manopera:	31.62	94.86
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.29	IA23J1	Armaturi fine pentru cazane incalzire centrala: stut cu robinet de control pentru montat armaturi.	buc	3.00	17.53	52.59
				material:	0.48	1.44
				manopera:	17.05	51.15
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.30	IA23B2	Armaturi fine pentru cazane incalzire centrala: manometru	buc	3.00	11.78	35.34
				material:	0.00	0.00
				manopera:	11.78	35.34
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.31	IA23J1	Armaturi fine pentru cazane incalzire centrala: stut cu robinet de control pentru montat armaturi.	buc	3.00	17.05	51.15
				material:	0.00	0.00
				manopera:	17.05	51.15
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.32	RPID07A#	Montarea robinetilor, de aerisire cu ventil, cu cheie mobila d = 1/4 - 3/8 "	buc	9.00	13.60	122.36
				material:	5.54	49.82
				manopera:	8.06	72.54
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.33	3811282	ROBINET GOLIRE 1/2"	buc	3.00	50.00	150.00
				material:	50.00	150.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.34	4203184	VENTIL DE AERISIRE AUTOMAT 1/2"	buc	3.00	40.00	120.00
				material:	40.00	120.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.35	3335882	SUPAPA DE SIGURANTA CU REGLAJ FIX 3 bar - 1/2"	buc	3.00	65.00	195.00
				material:	65.00	195.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.36	IC30C1#	Fitinguri cu...2 insurubari din fonta maleabila montate prin insurubare cu teava de otel cu diametrul 3/4"	buc	12.00	8.90	106.80
				material:	2.08	24.96
				manopera:	6.82	81.84
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.37	3330858	NIPLU DIN ALAMA GALBENA FE-FE 3/4"	buc	6.00	13.00	78.00
				material:	13.00	78.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00
2.38	3330861	RACORD OLANDEZ FI-FI PT IMBINARI PRIN FILET 3/4"	buc	6.00	32.00	192.00
				material:	32.00	192.00
				manopera:	0.00	0.00
				utilaj:	0.00	0.00
				transport:	0.00	0.00

STADIUL FIZIC: INSTALATII TERMICE

0	1	2	3	4	5 = 3 x 4
2.39	IC30E1# Fitinguri cu...2 insurubari din fonta maleabila montate prin insurubare cu teava de otel cu diametrul 1 1/4"	buc	8.00	13.79	110.32
			material:	3.25	26.00
			manopera:	10.54	84.32
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.40	3330859 NIPLU DIN ALAMA GALBENA FE-FE 1 1/4"	buc	4.00	28.00	112.00
			material:	28.00	112.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.41	3330862 RACORD OLANDEZ FI-FI PT IMBINARI PRIN FILET 1 1/4"	buc	4.00	70.00	280.00
			material:	70.00	280.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.42	IC30H1# Fitinguri cu...2 insurubari din fonta maleabila montate prin insurubare cu teava de otel cu diametrul 2 1/2"	buc	8.00	37.50	300.00
			material:	6.50	52.00
			manopera:	31.00	248.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.43	3330860 NIPLU DIN ALAMA GALBENA FE-FE 2 1/2"	buc	4.00	60.00	240.00
			material:	60.00	240.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.44	3330863 RACORD OLANDEZ FI-FI PT IMBINARI PRIN FILET 2 1/2"	buc	4.00	160.00	640.00
			material:	160.00	640.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.45	ID04B1# Robinet de trecere sau retinere cu mufe pentru instalatii de incalzire centrala cu diametrul de 1 1/4" - 1 1/2"	buc	4.00	11.65	46.60
			material:	3.90	15.60
			manopera:	7.75	31.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.45.L	4204418 Robinet de trecere cu sfera pentru apa, tip fe - fi cu D = 1 1/2"	buc	4.00	120.00	480.00
2.46	ID04C1# Robinet de trecere sau retinere cu mufe pentru instalatii de incalzire centrala cu diametrul de 2"	buc	6.00	18.89	113.34
			material:	4.94	29.64
			manopera:	13.95	83.70
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.46.L	4204424 Robinet de trecere cu sfera pentru apa, tip fi - fi cu D = 2"	buc	6.00	310.00	1,860.00
2.47	ID06A2 Robinet cu sertar pana , cu mufe , pentru instalatie incalzire centrala , cu d: 3/4	buc	6.00	8.61	51.63
			material:	1.79	10.71
			manopera:	6.82	40.92
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.48	3811287 ROBINET CU SFERA SI RACORD OLANDEZ FE-FI 3/4"	buc	6.00	89.00	534.00
			material:	89.00	534.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: INSTALATII TERMICE

0	1	2	3	4	5 = 3 x 4
2.49	IA24H1 Montare supapa de sens	buc	10.00	581.47	5,814.70
			material:	577.44	5,774.40
			manopera:	4.03	40.30
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.50	11800 supapa de sens dn 25	buc	3.00	150.00	450.00
			material:	150.00	450.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.51	11801 supapa de sens dn 32	buc	5.00	200.00	1,000.00
			material:	200.00	1,000.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.52	11803 supapa de sens dn 65	buc	2.00	540.00	1,080.00
			material:	540.00	1,080.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.53	FE08A1 Montare filtru Y	buc	5.00	31.12	155.60
			material:	0.00	0.00
			manopera:	31.12	155.60
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.54	20012179 filtru Y Dn 25 mm	buc	2.00	77.00	154.00
			material:	77.00	154.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.55	2806227 filtru Y Dn 60 mm	buc	3.00	350.00	1,050.00
			material:	350.00	1,050.00
			manopera:	0.00	0.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.56	RPCU07A1 Strapungeri in zidarie de caramida cu mortar de var si adaos de ciment pentru realizarea gaurilor necesare trecerii conductelor în...zidarie de 1/2 caramida si sectiunea strapungerii de 50-400 cmp.	buc	6.00	4.96	29.76
			material:	0.00	0.00
			manopera:	4.96	29.76
			utilaj:	0.00	0.00
			transport:	0.00	0.00
2.57	IE03A1# Efectuarea probei de etanseitate la presiune a conductelor de alimentare a aparatelor de incalzire cu diametrul de 3/8".....1"	m	25.00	4.79	119.75
			material:	0.00	0.00
			manopera:	2.79	69.75
			utilaj:	2.00	50.00
			transport:	0.00	0.00
2.58	IE03B1# Efectuarea probei de etanseitate la presiune a conductelor de alimentare a aparatelor de incalzire cu diametrul de 1 1/4".....2"	m	80.00	5.91	472.80
			material:	0.00	0.00
			manopera:	3.41	272.80
			utilaj:	2.50	200.00
			transport:	0.00	0.00
2.59	IE04A1# Efectuarea probei de dilatare-contractare si de functionare a conductelor de alimentare a aparatelor de incalzire cu diametrul de 3/8".....1"	m	25.00	2.48	62.00
			material:	0.00	0.00
			manopera:	2.48	62.00
			utilaj:	0.00	0.00
			transport:	0.00	0.00

STADIUL FIZIC: INSTALATII TERMICE

0	1		2	3	4	5 = 3 x 4	
2.60	IE04B1#	Efectuarea probei de dilatare-contractare si de functionare a conductelor de alimentare a aparatelor de incalzire cu diametrul de 1 1/4"2"	m	80.00	3.10	248.00	
				material:	0.00	0.00	
				manopera:	3.10	248.00	
				utilaj:	0.00	0.00	
				transport:	0.00	0.00	
2.61	TRB05B23	Transportul materialelor prin purtat direct,materiale incomode peste 25 kg distanta 30m	tona	6.00	64.48	386.88	
				material:	0.00	0.00	
				manopera:	64.48	386.88	
				utilaj:	0.00	0.00	
				transport:	0.00	0.00	
2.62	TRA01A20#	Transportul rutier al...materialelor,semifabricatelor cu autoutilitara pe dist.= 20 km.	tona	10.00	13.28	132.80	
				material:	0.00	0.00	
				manopera:	0.00	0.00	
				utilaj:	0.00	0.00	
				transport:	13.28	132.80	
		procent	material	manopera	utilaj	transport	total
Total Cheltuieli directe:			351,242.65	127,470.92	58,097.45	358.56	537,169.58
Recapitulatia: Recap 2019: CAM 2,25							
Contributie asiguratorie pentru munca (CAM)		2.2500 %	0.00	2,868.10	0.00	0.00	2,868.10
Total Inclusiv Cheltuieli directe:			351,242.65	130,339.02	58,097.45	358.56	540,037.68
Cheltuieli indirecte		10.0000 %	35,124.26	13,033.90	5,809.75	35.86	54,003.77
Total Inclusiv Cheltuieli indirecte:			386,366.91	143,372.92	63,907.20	394.42	594,041.45
Profit		5.0000 %	19,318.35	7,168.65	3,195.36	19.72	29,702.07
Total Inclusiv Beneficiu:			405,685.26	150,541.57	67,102.56	414.14	623,743.52
TOTAL GENERAL (fara TVA):							623,743.52
TVA:					19.00 %		118,511.27
TOTAL GENERAL:							742,254.79

PROIECTANT GENERAL
SC ADD ACACIA DESIGN SRL

PROIECTANT DE SPECIALITATE
SC AC PROJECTXPRT S.R.L.

ARH. ADELA COBUZ

ING. BECEA CONSTANTIN