

ACT ADIȚIONAL NR. 2
la CONTRACTUL DE EXECUTIE LUCRARI
Nr. 259 din 25.01.2022

Încheiat între:

ALGORITHM CONSTRUCTII S3 S.R.L., cu sediul in Bd. Basarabia nr. 256, inregistrata la Registrul Comertului sub nr. J40/8651/08.06.2017, avand CUI 37714360, cont bancar nr. RO38UGBI0000022031718RON, deschis la Garanti Bank, reprezentata prin dl. Radu-Alin Panait, cu functia de Presedinte C.A., in calitate de **LOCATOR**

si

ALGORITHM RESIDENTIAL S3 S.R.L., cu sediul social în Bucuresti, sectorul 3, Calea Vitan nr. 242, telefon/fax 0762.613.232, număr de înmatriculare nr. J40/5481/19.04.2017, cod fiscal 37400960, cont GARANTI BANK RO63.UGBI.0000.0220.3147.5RON, reprezentată de catre dl. Mihai Comanescu, avand functia de Presedinte al Consiliului de Administratie, in calitate de **LOCATAR**

Au convenit sa încheie prezentul act adițional la contractul de executie lucrari nr. 259 din 25.01.2022, care modifică contractul inițial, după cum urmează:

Art. 1. Se renunta la reperele(manopera si materiale) din Anexa nr. 1, parte integranta din prezentul act aditional.

Art. 2. Se modifica cap. 2 Obiectul si Pretul Contractului, art. 2.1., astfel « Valoarea maxima totala a contractului este de 947.104,58 Euro la care se adauga TVA ».

Prezentul Act Aditional a fost incheiat astazi, 07.12.22, in 2 exemplare originale cate unul pentru fiecare parte contractanta.

ALGORITHM CONSTRUCTII S3 S.R.L.

ALGORITHM RESIDENTIAL S3 S.R.L.

PRESEDINTE C.A.
Radu Alin Panait

PRESEDINTE C.A.
Mihai Comanescu

CONSTRUIRE SI AMENAJARE INTERIOARA, RESTAURARE-CONSERVARE, MODERNIZARE,

SCAMBARE DE FUNCTIUNE, PENTRU HALA LAMINOR SI CORPURILE ANEXE SI UTILITATI

Adresa: H-dul Basarabia nr. 256, sector 3, București

Beneficiar: S.C. ALGORITHM CONSTRUCTII S.R.L..

Instalatiile electrice – Faza: PTh Iunie 2021 Reviziu 4

			Cantitati rezultate							Materiale asigurate de beneficiar							Materiale asigurate de ARS 3				
Nr. Crt.	Articol operatiuni	UM	Cant	Pret unitar material	Pret unitar manopera	Pret unitar manopera+ material	Valoare totala	Cant	Pret unitar material	Pret unitar manopera	Pret unitar manopera+ material	Valoare totala	Cant	Pret unitar material	Pret unitar manopera	Pret unitar manopera+ material	Valoare totala contract				
1	Montaj echipamente electrice	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
1.01	TABLOU ELECTRIC DISTRIBUTIE 1 - TED1 Tablou electric carcasa metalica, complet echipata, inclusiv toate clemenele necesare, IP54 1x separator de sarcina 1000A, 4P, 18kA cu bobina declansatoare MX 1x disjunctoare supratensiuni 40kA (Schneider Quick PRD 40r sau similar), inclusiv atasat disjunctiunii dedicat descarcatorului 1x disjunctoare 200A, 3P+N, curba C, 18kA 1x disjunctoare 320A, 3P+N, curba C, 18kA + Rezerva in tablou pentru parter, pentru cel putin 3 aparate de mare putere	buc	1	10800.00	268.75	11,068.75	11,068.75					0.00	0	1	10,800.00	268.75	11,068.75	11068.75			
1.02	TABLOU ELECTRIC DISTRIBUTIE 2 - TED2 Tablou electric carcasa metalica, complet echipata, inclusiv toate clemenele necesare, IP54 1x separator de sarcina 2500A, 4P, 28kA cu bobina declansatoare MX 1x disjunctoare supratensiuni 40kA (Schneider Quick PRD 40r sau similar), inclusiv atasat disjunctiunii dedicat descarcatorului 1x disjunctoare 200A, 3P+N, curba C, 25kA 2x disjunctoare 320A, 3P+N, curba C, 25kA + Rezerva in tablou pentru parter, pentru cel putin 8 aparate de mare putere	buc	1	27000.00	331.25	27,331.25	27,331.25					0.00	0	1	27,000.00	331.25	27,331.25	27331.25			
1.03	TABLOU ELECTRIC DISTRIBUTIE 3 - TED3 Tablou electric carcasa metalica, complet echipata, inclusiv toate clemenele necesare, IP54 1x separator de sarcina 2500A, 4P, 18kA cu bobina declansatoare MX 1x disjunctoare supratensiuni 40kA (Schneider Quick PRD 40r sau similar), inclusiv atasat disjunctiunii dedicat descarcatorului 1x disjunctoare 100.03A, 1P+N, curba C, 18kA 1x disjunctoare 200A, 3P+N, curba C, 18kA + Rezerva in tablou pentru parter, pentru cel putin 5 aparate de mare putere	buc	1	24000.00	268.75	24,268.75	24,268.75					0.00	0	1	24,000.00	268.75	24,268.75	24268.75			
1.04	TABLOU ELECTRIC GENERAL DE SIGURANTA - TGS Tablou electric carcasa metalica, complet echipata, inclusiv toate clemenele necesare, IP54 1x separator de sarcina 800A, 4P, 38kA 1x disjunctoare supratensiuni 40kA (Schneider Quick PRD 40r sau similar), inclusiv atasat disjunctiunii dedicat descarcatorului 1x disjunctoare 100.03A, 1P+N, curba C, 15kA 2x disjunctoare 25A, 3P+N, curba C, 38kA 1x disjunctoare 25A, 3P+N, curba C, 38kA 1x disjunctoare 32A, 3P+N, curba C, 38kA 1x disjunctoare 40A, 3P+N, curba C, 38kA + rezerva spatiu in tablou 30%	buc	1	10000.00	243.75	10,243.75	10,243.75					0.00	0	1	10,000.00	243.75	10,243.75	10243.75			
1.05	TABLOU ELECTRIC DISTRIBUTIE GENERATOR - TDG Tablou electric carcasa metalica, complet echipata, inclusiv toate clemenele necesare, IP54 1x separator de sarcina 800A, 4P, 38kA 1x disjunctoare supratensiuni 40kA (Schneider Quick PRD 40r sau similar), inclusiv atasat disjunctiunii dedicat descarcatorului 1x disjunctoare 250A, 3P+N, curba C, 38kA 1x disjunctoare 320A, 3P+N, curba C, 38kA 1x disjunctoare 400A, 3P+N, curba C, 38kA + rezerva spatiu in tablou 30%	buc	1	7600.00	79.00	7,679.00	7,679.00	1.00	7600.00		7600.00	7600.00	7600	1	0	79.00	79.00	79			
1.06	TABLOU ELECTRIC SUBSO. ZONA 1 - TS1 Tablou electric carcasa metalica, complet echipata, inclusiv toate clemenele necesare, IP54 1x separator de sarcina 200A, 4P, 15kA 2x disjunctoare 10A, 1P+N, curba C, 15kA 13x disjunctoare 10C.03A, 1P+N, curba C, 15kA 4x disjunctoare 160.03A, 1P+N, curba C, 15kA 5x disjunctoare 16A, 1P+N, curba C, 15kA 1x disjunctoare 25A, 3P+N, curba C, 15kA 2x disjunctoare 32A, 3P+N, curba C, 15kA 2x disjunctoare 40A, 3P+N, curba C, 15kA 1x contactor 16A, 2P, NO, tensiune de comanda 230V 3x contactor 32A, 1P, NO, tensiune de comanda 230V + rezerva spatiu conform schemei de tablou	buc	1	3191.08	306.25	3,497.33	3,497.33	1.00	3191.08		3191.08	3191.08	3191.08	1		306.25	306.25	306.25			

1.07	TABLOU ELECTRIC SUBSOL ZONA 2 - TE2 Tablou electric carcasa metalica, complet echipata, inclusiv toate clemele necesare, IP54 1x separator de sarcina 320A, 4P, 18kA 2x disjunctori 10A, 1P+N, curba C, 18kA 16x disjunctori 100,03A, 1P+N, curba C, 18kA 6x disjunctori 160,03A, 1P+N, curba C, 18kA 3x disjunctori 16A, 1P+N, curba C, 18kA 10x disjunctori 200,03A, 3P+N, curba C, 18kA 2x disjunctori 40A, 3P+N, curba C, 18kA 1x contactor 16A, 2P, NO, tensiune de comanda 230V 3x contactor 16A, 1P, NO, tensiune de comanda 230V + rezerva spatiu conform schimbarilor de tablou	buc	1	5640.00	543.75	6,183.75	1.00	5640.00	5640.00	5640.00	543.75	543.75	543.75		
1.08	TABLOU ELECTRIC SUBSOL ZONA 3 - TE3 Tablou electric carcasa metalica, complet echipata, inclusiv toate clemele necesare, IP54 1x separator de sarcina 200A, 4P, 8kA 2x disjunctori 10A, 1P+N, curba C, 8kA 16x disjunctori 100,03A, 1P+N, curba C, 8kA 8x disjunctori 16A, 1P+N, curba C, 8kA 7x disjunctori 160,03A, 1P+N, curba C, 8kA 1x disjunctori 20A, 3P+N, curba C, 8kA 2x disjunctori 32A, 3P+N, curba C, 8kA 2x disjunctori 40A, 3P+N, curba C, 8kA 1x contactor 16A, 2P, NO, tensiune de comanda 230V 3x contactor 16A, 1P, NO, tensiune de comanda 230V 1x contactor 25A, 4P, NO, tensiune de comanda 230V + rezerva spatiu conform schimbarilor de tablou	buc	1	3980.00	431.25	4,411.25			0.00	0	1	3980.00	431.25	4,411.25	4411.25
1.09	TABLOU ELECTRIC SUBSOL ZONA 4 - TE4 Tablou electric carcasa metalica, complet echipata, inclusiv toate clemele necesare, IP54 1x separator de sarcina 320A, 4P, 10kA 2x disjunctori 10A, 1P+N, curba C, 10kA 15x disjunctori 100,03A, 1P+N, curba C, 10kA 3x disjunctori 16A, 1P+N, curba C, 10kA 8x disjunctori 160,03A, 1P+N, curba C, 10kA 8x disjunctori 200,03A, 3P+N, curba C, 10kA 2x disjunctori 40A, 3P+N, curba C, 10kA 1x contactor 16A, 2P, NO, tensiune de comanda 230V 3x contactor 16A, 1P, NO, tensiune de comanda 230V + rezerva spatiu conform schimbarilor de tablou 30%	buc	1	5096.00	431.25	5,527.25			0.00	0	1	5096.00	431.25	5,527.25	5527.25
1.10	TABLOU ELECTRIC SUBSOL ZONA 5 - TE5 Tablou electric carcasa metalica, complet echipata, inclusiv toate clemele necesare, IP54 1x separator de sarcina 100A, 4P 2x disjunctori 10A, 1P+N, curba C, 15kA 17x disjunctori 100,03A, 1P+N, curba C, 15kA 3x disjunctori 16A, 1P+N, curba C, 15kA 7x disjunctori 160,03A, 1P+N, curba C, 15kA 1x disjunctori 25A, 3P+N, curba C, 15kA 2x disjunctori 40A, 3P+N, curba C, 15kA 1x contactor 16A, 2P, NO, tensiune de comanda 230V 4x contactor 16A, 1P, NO, tensiune de comanda 230V + rezerva spatiu conform schimbarilor de tablou	buc	1	3715.00	368.75	4,083.75			0.00	0	1	3715.00	368.75	4,083.75	4083.75
1.11	TABLOU ELECTRIC SUBSOL ZONA 6 - TE6 Tablou electric carcasa metalica, complet echipata, inclusiv toate clemele necesare, IP54 1x separator de sarcina 320A, 4P, 18kA 2x disjunctori 10A, 1P+N, curba C, 18kA 17x disjunctori 100,03A, 1P+N, curba C, 18kA 3x disjunctori 16A, 1P+N, curba C, 18kA 8x disjunctori 160,03A, 1P+N, curba C, 18kA 6x disjunctori 200,03A, 3P+N, curba C, 18kA 2x disjunctori 40A, 3P+N, curba C, 18kA 1x contactor 16A, 2P, NO, tensiune de comanda 230V 4x contactor 16A, 1P, NO, tensiune de comanda 230V + rezerva spatiu conform schimbarilor de tablou	buc	1	5012.00	393.75	5,405.75			0.00	0	1	5012.00	393.75	5,405.75	5405.75
1.12	TABLOU ELECTRIC SUBSOL ZONA 7 - TE7 Tablou electric carcasa metalica, complet echipata, inclusiv toate clemele necesare, IP54 1x separator de sarcina 160A, 4P, 10kA 2x disjunctori 10A, 1P+N, curba C, 10kA 18x disjunctori 100,03A, 1P+N, curba C, 10kA 2x disjunctori 16A, 1P+N, curba C, 10kA 7x disjunctori 160,03A, 1P+N, curba C, 10kA 1x disjunctori 25A, 3P+N, curba C, 10kA 6x disjunctori 40A, 3P+N, curba C, 10kA 1x contactor 16A, 2P, NO, tensiune de comanda 230V 3x contactor 16A, 1P, NO, tensiune de comanda 230V + rezerva spatiu conform schimbarilor de tablou	buc	1	4120.00	343.75	4,463.75			0.00		1	4120.00	343.75	4,463.75	4463.75

1.13	TABLOU ELECTRIC SUBSOL ZONA 8 - TE8 Tablou electric carcasa metalica, complet echipata, inclusiv toate elementele necesare, IP54 1x separator de sarcina 320A, 4P, 8kA 2x disjunctori 10A, 1P+N, curba C, 8kA 16x disjunctori 100/03A, 1P+N, curba C, 8kA 5x disjunctori 16A, 1P+N, curba C, 6kA 2x disjunctori 160/03A, 1P+N, curba C, 6kA 1x disjunctori 25A, 3P+N, curba C, 6kA 2x disjunctori 32A, 3P+N, curba C, 6kA 3x disjunctori 40A, 3P+N, curba C, 6kA 5x contactor 16A, 1P, NO, tensiune de comanda 230V 5x contactor 32A, 1P, NO, tensiune de comanda 230V 1x contactor 32A, 1P, NO, tensiune de comanda 230V + rezerva spatiu conform schemei de tablou	buc	1	6000.00	406.25	6.406.25	6.406.25	0.00	0	1	6000.00	406.25	6.406.25	5406.25
1.14	TABLOU ELECTRIC DESUMARE 1 - TDF1 Tablou electric carcasa metalica, complet echipata, inclusiv toate elementele necesare, IP54 1x separator de sarcina 320A, 4P, 15kA intre 2 surse de alimentare, inclusiv sistemul de monitorizare 1x disjunctori 10A, 1P+N, curba C, 15kA 4x disjunctori 16A, 1P+N, curba C, 15kA 57x disjunctori 16A, 3P, curba C, 15kA 2x disjunctori 20A, 3P, curba C, 15kA 1x disjunctori 32A, 3P, curba C, 15kA 2x disjunctori 40A, 3P, curba C, 15kA 2x disjunctori 80A, 3P, curba C, 20kA 53x contactor 20A, 3P, NO, tensiune de comanda 230V 5x contactor 100A, 3P, NO, tensiune de comanda 230V 86 x contact auxiliar 6A, 1P, NC 2x releu de timp stea-trunchi, tensiunea de comanda 230V 8x convertizor de frecventa trifazic, 16A, (ex. Mitsubishi sau similar) 1x convertizor de frecventa trifazic, 20A, (ex. Mitsubishi sau similar) 1x convertizor de frecventa trifazic, 40A, (ex. Mitsubishi sau similar) + rezerva spatiu conform schemei de tablou	buc	1	39854.00	937.50	40.791.50	40.791.50	39854.00	0	39854	1	0	937.50	937.5
1.15	TABLOU ELECTRIC DESUMARE 2 - TDF2 Tablou electric carcasa metalica, complet echipata, inclusiv toate elementele necesare, IP54 1x ansamblu automatizat a rezerva de 320A, 4P, 10kA intre 2 surse de alimentare, inclusiv sistemul de monitorizare tensiune pe faze 1x disjunctori 10A, 1P+N, curba C, 10kA 3x disjunctori 16A, 1P+N, curba C, 10kA 40x disjunctori 16A, 3P, curba C, 10kA 1x disjunctori 20A, 3P, curba C, 10kA 2x disjunctori 20A, 3P, curba C, 10kA 2x disjunctori 40A, 3P, curba C, 10kA 80x contactor 20A, 3P, NO, tensiune de comanda 230V 80x contactor 100A, 3P, NO, tensiune de comanda 230V 84 x contact auxiliar 6A, 1P, NC 2x releu de timp stea-trunchi, tensiunea de comanda 230V 10x convertizor de frecventa trifazic, 16A, (ex. Mitsubishi sau similar) 1x convertizor de frecventa trifazic, 20A, (ex. Mitsubishi sau similar) 4x convertizor de frecventa trifazic, 40A, (ex. Mitsubishi sau similar) + rezerva spatiu conform schemei de tablou	buc	1	31250.00	768.75	32.018.75	32.018.75	31250.00	0	31250	1	0	768.75	768.75
1.17	TABLOU ELECTRIC ADAPOST PROTECTIE CIVILA - TALA Tablou electric carcasa metalica, montaj aparent, complet echipata, inclusiv toate elementele necesare, IP54. Contine urmatoarele elemente: 1x separator de sarcina 25A, 4P, 4.5kA 1x disjunctori 100/03A, 1P+N, curba C, 4.5kA 1x disjunctori 160/03A, 1P+N, curba C, 4.5kA 1x disjunctori 10A, 1P+N, curba C, 4.5kA 1x disjunctori 16A, 1P+N, curba C, 4.5kA 1x disjunctori 20A, 3P, curba C, 4.5kA 1x disjunctori 25A, 3P, curba C, 4.5kA 1x disjunctori 32A, 3P, curba C, 4.5kA 1x disjunctori 40A, 3P, curba C, 4.5kA 1x disjunctori 50A, 3P, curba C, 4.5kA 1x disjunctori 63A, 3P, curba C, 4.5kA 1x disjunctori 80A, 3P, curba C, 4.5kA 1x disjunctori 100A, 3P, curba C, 4.5kA 1x disjunctori 125A, 3P, curba C, 4.5kA 1x disjunctori 160A, 3P, curba C, 4.5kA 1x disjunctori 200A, 3P, curba C, 4.5kA 1x disjunctori 250A, 3P, curba C, 4.5kA 1x disjunctori 320A, 3P, curba C, 4.5kA 1x disjunctori 400A, 3P, curba C, 4.5kA 1x disjunctori 500A, 3P, curba C, 4.5kA 1x disjunctori 630A, 3P, curba C, 4.5kA 1x disjunctori 800A, 3P, curba C, 4.5kA 1x disjunctori 1000A, 3P, curba C, 4.5kA 1x disjunctori 1250A, 3P, curba C, 4.5kA 1x disjunctori 1600A, 3P, curba C, 4.5kA 1x disjunctori 2000A, 3P, curba C, 4.5kA 1x disjunctori 2500A, 3P, curba C, 4.5kA 1x disjunctori 3200A, 3P, curba C, 4.5kA 1x disjunctori 4000A, 3P, curba C, 4.5kA 1x disjunctori 5000A, 3P, curba C, 4.5kA 1x disjunctori 6300A, 3P, curba C, 4.5kA 1x disjunctori 8000A, 3P, curba C, 4.5kA 1x disjunctori 10000A, 3P, curba C, 4.5kA 1x disjunctori 12500A, 3P, curba C, 4.5kA 1x disjunctori 16000A, 3P, curba C, 4.5kA 1x disjunctori 20000A, 3P, curba C, 4.5kA 1x disjunctori 25000A, 3P, curba C, 4.5kA 1x disjunctori 32000A, 3P, curba C, 4.5kA 1x disjunctori 40000A, 3P, curba C, 4.5kA 1x disjunctori 50000A, 3P, curba C, 4.5kA 1x disjunctori 63000A, 3P, curba C, 4.5kA 1x disjunctori 80000A, 3P, curba C, 4.5kA 1x disjunctori 100000A, 3P, curba C, 4.5kA 1x disjunctori 125000A, 3P, curba C, 4.5kA 1x disjunctori 160000A, 3P, curba C, 4.5kA 1x disjunctori 200000A, 3P, curba C, 4.5kA 1x disjunctori 250000A, 3P, curba C, 4.5kA 1x disjunctori 320000A, 3P, curba C, 4.5kA 1x disjunctori 400000A, 3P, curba C, 4.5kA 1x disjunctori 500000A, 3P, curba C, 4.5kA 1x disjunctori 630000A, 3P, curba C, 4.5kA 1x disjunctori 800000A, 3P, curba C, 4.5kA 1x disjunctori 1000000A, 3P, curba C, 4.5kA 1x disjunctori 1250000A, 3P, curba C, 4.5kA 1x disjunctori 1600000A, 3P, curba C, 4.5kA 1x disjunctori 2000000A, 3P, curba C, 4.5kA 1x disjunctori 2500000A, 3P, curba C, 4.5kA 1x disjunctori 3200000A, 3P, curba C, 4.5kA 1x disjunctori 4000000A, 3P, curba C, 4.5kA 1x disjunctori 5000000A, 3P, curba C, 4.5kA 1x disjunctori 6300000A, 3P, curba C, 4.5kA 1x disjunctori 8000000A, 3P, curba C, 4.5kA 1x disjunctori 10000000A, 3P, curba C, 4.5kA 1x disjunctori 12500000A, 3P, curba C, 4.5kA 1x disjunctori 16000000A, 3P, curba C, 4.5kA 1x disjunctori 20000000A, 3P, curba C, 4.5kA 1x disjunctori 25000000A, 3P, curba C, 4.5kA 1x disjunctori 32000000A, 3P, curba C, 4.5kA 1x disjunctori 40000000A, 3P, curba C, 4.5kA 1x disjunctori 50000000A, 3P, curba C, 4.5kA 1x disjunctori 63000000A, 3P, curba C, 4.5kA 1x disjunctori 80000000A, 3P, curba C, 4.5kA 1x disjunctori 100000000A, 3P, curba C, 4.5kA 1x disjunctori 125000000A, 3P, curba C, 4.5kA 1x disjunctori 160000000A, 3P, curba C, 4.5kA 1x disjunctori 200000000A, 3P, curba C, 4.5kA 1x disjunctori 250000000A, 3P, curba C, 4.5kA 1x disjunctori 320000000A, 3P, curba C, 4.5kA 1x disjunctori 400000000A, 3P, curba C, 4.5kA 1x disjunctori 500000000A, 3P, curba C, 4.5kA 1x disjunctori 630000000A, 3P, curba C, 4.5kA 1x disjunctori 800000000A, 3P, curba C, 4.5kA 1x disjunctori 1000000000A, 3P, curba C, 4.5kA 1x disjunctori 1250000000A, 3P, curba C, 4.5kA 1x disjunctori 1600000000A, 3P, curba C, 4.5kA 1x disjunctori 2000000000A, 3P, curba C, 4.5kA 1x disjunctori 2500000000A, 3P, curba C, 4.5kA 1x disjunctori 3200000000A, 3P, curba C, 4.5kA 1x disjunctori 4000000000A, 3P, curba C, 4.5kA 1x disjunctori 5000000000A, 3P, curba C, 4.5kA 1x disjunctori 6300000000A, 3P, curba C, 4.5kA 1x disjunctori 8000000000A, 3P, curba C, 4.5kA 1x disjunctori 10000000000A, 3P, curba C, 4.5kA 1x disjunctori 12500000000A, 3P, curba C, 4.5kA 1x disjunctori 16000000000A, 3P, curba C, 4.5kA 1x disjunctori 20000000000A, 3P, curba C, 4.5kA 1x disjunctori 25000000000A, 3P, curba C, 4.5kA 1x disjunctori 32000000000A, 3P, curba C, 4.5kA 1x disjunctori 40000000000A, 3P, curba C, 4.5kA 1x disjunctori 50000000000A, 3P, curba C, 4.5kA 1x disjunctori 63000000000A, 3P, curba C, 4.5kA 1x disjunctori 80000000000A, 3P, curba C, 4.5kA 1x disjunctori 100000000000A, 3P, curba C, 4.5kA 1x disjunctori 125000000000A, 3P, curba C, 4.5kA 1x disjunctori 160000000000A, 3P, curba C, 4.5kA 1x disjunctori 200000000000A, 3P, curba C, 4.5kA 1x disjunctori 250000000000A, 3P, curba C, 4.5kA 1x disjunctori 320000000000A, 3P, curba C, 4.5kA 1x disjunctori 400000000000A, 3P, curba C, 4.5kA 1x disjunctori 500000000000A, 3P, curba C, 4.5kA 1x disjunctori 630000000000A, 3P, curba C, 4.5kA 1x disjunctori 800000000000A, 3P, curba C, 4.5kA 1x disjunctori 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TABLOU ELECTRIC HIDRANTI - THI																	
Tablou electric carcasa metalica, complet echipata, inclusiv toate demele necesare, IP54 1x andaresare automata a rezervelor de 200A, 4P, 15kA intre 2 surse de alimentare, inclusiv sistemul de monitorizare tensiune pe faze 1x disjuncteur 16A, 1P+N, cuba C, 15kA 2x disjuncteur 10A, 1P+N, cuba C, 15kA 1x disjuncteur 16A, 1P+N, cuba D, 15kA 3x disjuncteur motor 16A, 3P+N, 15kA, prevazut cu reglaje 1x contactor 20A, 2P, NO, tensiune de comanda 230V 1x regulator nivel cu 4 praguri de nivel, inclusiv senzori aferenti; 1x programator orar electronic;																	
1.23	buc	1	985.00	79.00	1,064.00	1,064.00					0.00	0	1	985.00	79.00	1,064.00	1064
TABLOU ELECTRIC SPRINKLERE - TSPK																	
Tablou electric carcasa metalica, complet echipata, inclusiv toate demele necesare, IP54 1x andaresare automata a rezervelor de 250A, 4P, 15kA intre 2 surse de alimentare, inclusiv sistemul de monitorizare tensiune pe faze 2x disjuncteur motor 200A, 3P+N, 15kA, prevazut cu reglaje 1x disjuncteur 10A, 1P+N, cuba C, 15kA 1x disjuncteur 16A, 1P+N, cuba D, 15kA 1x disjuncteur motor 16A, 3P+N, 15kA, prevazut cu reglaje 1x contactor 20A, 2P, NO, tensiune de comanda 230V 1x regulator nivel cu 4 praguri de nivel, inclusiv senzori aferenti; 1x programator orar electronic;																	
1.24	buc	1	4800.00	431.25	5,231.25	5,231.25					0.00	0	1	4800.00	431.25	5,231.25	5231.25
CONVERTOR DE FRECVENTA TRIFAZIC 6A, prevazut cu mai multe intrari: intrare analogica 4-20mA, start in sens direct, start in sens invers, mai multe intrari de viteza (ex. Mitsubishi sau similar).																	
1.25	buc	3	388.80	185.00	573.80	1,721.40					0.00	0	3	388.80	185.00	573.80	1721.4
1.26	buc	19	438.00	235.00	674.00	12,806.00					0.00	0	19	438.00	235.00	674.00	12806
1.27	buc	4	698.40	334.00	1,032.40	4,128.60					0.00	0	4	698.40	334.00	1,032.40	4129.6
1.28	buc	1	1140.00	385.00	1,525.00	1,525.00					0.00	0	1	1140.00	385.00	1,525.00	1525
1.29	buc	2	1847.00	415.00	2,262.00	4,524.00					0.00	0	2	1847.00	415.00	2,262.00	4524
1.30	buc	3	2126.40	437.25	2,563.65	7,690.95					0.00	0	3	2126.40	437.25	2,563.65	7690.95
STATIE INCARCARE AUTO 32kW																	
Statie de incarcare auto duala cu posibilitatea de incarcare a doua masini electrice 11kW+11kW, sau o singura masina 22kW, 400V / 50Hz, complet echipata, prevazuta cu cablu si fisa (stcher) de incarcare, IP54																	
1.31	buc	13	5676.00	438.25	6,114.25	79,485.25					0.00	0	13	5676.00	438.25	6,114.25	79485.25
STATIE INCARCARE AUTO 11kW																	
Statie de incarcare auto 11kW, 400V / 50Hz, complet echipata, prevazuta cu cablu si fisa (stcher) de incarcare, IP54																	
1.32	buc	1	1415.00	118.75	1,533.75	1,533.75					0.00	0	1	1415.00	118.75	1,533.75	1533.75
Generator electric trifazic 400 kVA, cu sistem de monitorizare pe faze si punerea automata cu intrare in regim <15 secunde, carcasa pentru montaj in exterior, insonorizat, cu rezervor de combustibil inclus in sudu cu o autonomie de minim 8 ore, echipat cu esapament pentru uz rezidential																	
buc	1	28690.00	1,156.25	29,839.25	29,839.25	1.00	28690.00	0	28690.00	0	28690.00	1	0	1,156.25	1156.25	1156.25	
2.00 Tuburi de protectie, statii de cabluri, accesorii si suportii																	
Tubi de protectie din material plastic, flexibili sau rigidi, montati in/de elementele de constructie, inclusiv toate demelele de sustinere si accesorii de prindere, fixare, conectare:																	
Diametrii interioare Ø 20 mm	m	4773	0.41	0.78	1.19	5,679.87	4,773.00	0.41			0.41	1958.93	4773	0.78	0.78	3722.94	
Ø 25 mm	m	3555	0.42	0.78	1.20	4,265.00	3,555.00	0.42			0.42	1493.1	3555	0.78	0.78	2772.9	
Ø 32 mm	m	869	0.46	0.81	1.27	849.63	869.00	0.46			0.46	307.74	869	0.81	0.81	541.68	
Ø 40 mm	m	126	0.51	0.81	1.32	126.00	126.00	0.51			0.51	64.26	126	0.81	0.81	102.06	
Ø 75 mm	m	39	1.12	0.84	2.06	80.34	39.00	1.12			1.12	43.69	39	0.84	0.84	36.06	
Ø 80 mm	m	15	1.23	1.06	2.29	36.64	15.00	1.23			1.23	19.88	15	1.06	1.06	18.96	
Ø 110 mm	m	34	1.25	1.08	2.31	76.54	34.00	1.25			1.25	42.5	34	1.08	1.08	38.04	
Pat de cabluri, din plasa de sarma sau tabla zincata perforata, inclusiv toate elementele de prindere si fixare, precum si schimbarile de directie.	m	6350	4.12	2.81	6.93	44,005.50	6,350.00	4.12			4.12	26162	6350	2.81	2.81	17843.5	
(Latimea x inaltime) 50x35 mm	m	20	10.00	4.75	14.75	295.00	20.00	10.00			10.00	200	20	4.75	4.75	95	
Ø 200x60 mm	m	4800	10.50	5.25	15.75	75,600.00	2,100.00	10.50			10.50	22050	4800	5.25	5.25	11025	
Ø 300x60 mm	m	2300	22.10	8.13	30.23	69,539.00	1,500.00	22.10			22.10	33150	2300	8.13	8.13	12195	
Ø 600x60 mm	m	920	15.00	3.50	18.50	17,020.00	920.00	15.00			15.00	13900	920	3.50	3.50	3220	
Pat de cabluri rectanglular, din plasa de sarma sau tabla zincata perforata, inclusiv toate elementele de prindere si fixare, precum si schimbarile de directie	m	220	21.00	1.00	22.00	4,620.00	220.00	21.00			21.00	4620	220	1.00	1.00	220	
Ø 114 mm 200x60 mm	m	290	26.00	1.00	27.00	7,770.00	290.00	26.00			26.00	5750	290	1.00	1.00	290	
Ø 114 mm 300x60 mm	m	150	29.00	5.25	34.25	5,137.50	150.00	29.00			29.00	4350	150	5.25	5.25	787.5	
Ø 114 mm 400x60 mm	m	30	44.00	1.00	45.00	1,350.00	30.00	44.00			44.00	1320	30	1.00	1.00	30	
Ø 114 mm 500x60 mm	m	130	59.00	1.00	60.00	7,800.00	130.00	59.00			59.00	300	130	1.00	1.00	130	
Ø 114 mm 500x60 mm	m	300	75.00	8.13	83.13	24,939.00	300.00	75.00			75.00	300	300	8.13	8.13	2439	
3.00 Conductoare electrice, cabluri electrice si accesorii																	
Cabluri electrice din cupru cu inlantare la propagarea flacarii, 600 / 1000 V, pozati in tub de protectie sau pe pat de cablu, cu toate materialele de conectare si izolare si montare:																	
Ø 2x1.5 mm2	m	115	0.52	0.84	1.46	167.80					0.00	115	0.52	0.84	1.46	167.9	
Ø 3x1.5 mm2	m	8728	0.85	0.94	1.59	13,877.52					0.00	8728	0.85	0.94	1.59	13877.52	
Ø 3x2.5 mm2	m	31951	0.85	0.94	1.79	56,529.99					0.00	31951	0.85	0.94	1.79	56529.99	
Ø 3x4 mm2	m	6615	2.08	1.00	3.08	20,374.20					0.00	6615	2.08	1.00	3.08	20374.2	
Ø 4x1.5 mm2	m	2500	1.21	0.94	2.15	5,375.00					0.00	2500	1.21	0.94	2.15	5375	

3.08	Idem: CYVF 4x2.5 mm2	m	4758	1.85	1.00	2.85	13,560.30	0	4758	1.85	1.00	2.85	13560.3
3.09	Idem: CYVF 4x3.5 mm2	m	20	22.74	3.44	26.18	523.60	0	20	22.74	3.44	26.18	523.6
3.10	Idem: CYVF 4x3.5 mm2	m	60	58.58	4.75	63.33	5,065.40	0	60	58.58	4.75	63.33	5065.4
3.11	Idem: CYVF 4x240 mm2	m	230	72.37	5.25	77.62	17,852.50	0	230	72.37	5.25	77.62	17852.5
3.12	Idem: CYVF 4x240 mm2	m	535	120.00	7.25	127.25	68,078.75	230.00	535	120.00	7.25	127.25	68078.75
3.13	Idem: CYVF 5x2.5 mm2	m	73	2.03	1.00	3.03	221.19	0	73	2.03	1.00	3.03	221.19
3.14	Idem: CYVF 5x4 mm2	m	138	3.50	1.06	4.56	699.28	0	138	3.50	1.06	4.56	699.28
3.15	Idem: CYVF 5x6 mm2	m	2345	5.17	1.08	6.23	14,809.35	0	2345	5.17	1.08	6.23	14809.35
3.16	Idem: CYVF 5x10 mm2	m	3011	7.40	1.19	8.59	25,864.49	0	3011	7.40	1.19	8.59	25864.49
3.17	Idem: CYVF 3x0.2x3.5 mm2	m	85	57.00	4.75	61.75	5,248.75	0	85	57.00	4.75	61.75	5248.75
3.18	Idem: CYVF 3x1.5x3.5 mm2	m	20	109.00	5.25	114.25	2,285.00	109.00	20	109.00	5.25	114.25	2285.00
3.19	Idem: CYVF 3x2.5x3.5 mm2	m	90	115.00	5.25	121.25	10,912.50	115.00	90	115.00	5.25	121.25	10912.5
3.17	Cablu electic din cupru cu functionalitate in fiecare de 90 minute, si fara deglariere de halogeni, 600 / 1000 V, cu toate materialele de conectare si izolare si montare:	m	46	2.12	0.94	3.06	140.76	0	46	2.12	0.94	3.06	140.76
3.18	Idem de tip NHHX E80 3x2.5 mm2	m	13349	2.25	0.94	3.19	42,583.31	0	13349	2.25	0.94	3.19	42583.31
3.19	Idem de tip NHHX E80 3x2.5 mm2	m	1237	22.00	3.50	25.50	31,643.50	0	1237	22.00	3.50	25.50	31643.5
3.20	Idem de tip NHHX E80 4x2.5 mm2	m	14710	3.18	0.94	4.12	60,606.20	0	14710	3.18	0.94	4.12	60606.2
3.21	Idem de tip NHHX E80 4x4 mm2	m	12	5.35	1.08	6.41	76.92	0	12	5.35	1.08	6.41	76.92
3.22	Idem de tip NHHX E80 4x10 mm2	m	678	8.02	1.19	9.21	6,244.38	0	678	8.02	1.19	9.21	6244.38
3.23	Idem de tip NHHX E80 4x25 mm2	m	1237	28.20	2.68	30.88	38,198.58	0	1237	28.20	2.68	30.88	38198.58
3.24	Idem de tip NHHX E80 4x120 mm2	m	693	108.00	4.63	112.63	77,178.73	690.00	693	108.00	4.63	112.63	77178.73
3.25	Idem de tip NHHX E80 5x6 mm2	m	550	6.34	1.06	7.40	4,810.00	0	550	6.34	1.06	7.40	4810
3.26	Cablu electic din cupru cu intraziere la propagarea flăcării, 600 / 1000 V, cu izolație din PVC si armat cu sarda metalica, pozat direct in pamant, cu toate materialele de conectare si izolare si montare:	m	2030	125.00	7.25	132.25	268,467.50	2,030.00	2030	125.00	7.25	132.25	268467.5
3.27	Idem de tip NHHX E80 3x1.5 mm2	m	130	120.00	4.88	124.88	16,234.40	130.00	130	120.00	4.88	124.88	16234.4
3.30	Idem de tip NHHX E80 3x1.5 mm2	m	788	12.00	2.69	14.69	11,676.72	0	788	12.00	2.69	14.69	11676.72
3.31	1000 V, cu toate materialele de conectare si izolare si montare:	m	636	3.62	1.06	4.68	2,976.48	0	636	3.62	1.06	4.68	2976.48
3.32	Idem de tip NHHX E80 4x4 mm2	m	12	5.85	1.05	6.91	82.82	0	12	5.85	1.05	6.91	82.82
3.33	Idem de tip NHHX E80 4x10 mm2	m	56	9.95	1.19	11.14	6,271.84	0	56	9.95	1.19	11.14	6271.84
3.34	Cablu electric din cupru cu functionalitate in fiecare, rezistent la foc 30 minute si fara deglariere de halogeni, pentru comanda conversiilor de la UPS (transmisor de presiune diferentiale), cu toate materialele de conectare, izolare si montare:	m	164	0.97	0.85	1.82	334.88	0	164	0.97	0.85	1.82	334.88
4.00	Apărare electrică și necesarii												
4.01	Buton simplu cu revenire normal deschis (pentru aprinde iluminat antipanică), tip 250V / 10A, IP20, montaj aparent, inclusiv doza de apar.	buc	50	10.31	3.88	14.19	708.50	0	50	10.31	3.88	14.19	708.5
4.02	Buton simplu cu revenire normal închis (pentru stins iluminat antipanică), tip 250V / 10A, IP20, montaj aparent, inclusiv doza de apar.	buc	5	10.31	3.88	14.19	70.95	0	5	10.31	3.88	14.19	70.95
4.03	Între-aparator simplu cu contact basculant, tip 230V / 10A, montaj aparent, IP20	buc	31	10.31	3.88	14.19	439.89	0	31	10.31	3.88	14.19	439.89
4.05	Senzor cupriscular sau are posibilitatea reglării a pragului de declanșare în funcție de intensitatea luminoasă, IP54	buc	3	26.38	9.38	35.76	107.28	0	3	26.38	9.38	35.76	107.28
4.06	Senzor de mișcare 360°, cu reglarea pragului de declanșare în funcție de intensitatea luminoasă, și telecomanda infra-înfraroasă micșorată și stingeră, IP54	buc	566	16.98	9.38	26.36	14,919.76	0	566	16.98	9.38	26.36	14919.76
4.07	Priza dubla cu contact de protecție al cășcui, tip 250V / 16A, montaj aparent, IP44	buc	124	14.86	5.13	19.99	2,478.76	0	124	14.86	5.13	19.99	2478.76
4.08	Priza dubla cu contact de protecție, tip 250V / 16A, montaj aparent, IP20	buc	28	13.95	5.13	19.08	534.24	0	28	13.95	5.13	19.08	534.24
4.09	Trasmițator de presiune diferențială cu doua sonde, Alimentare 24V, semnal de ieșire analogic 4-20mA	buc	25	21.98	9.38	31.37	784.25	0	25	21.98	9.38	31.37	784.25
4.10	Doza de legătură prevăzută cu schema de legatură pentru curenti test, IP20 (conținutarea dată este esențială)	buc	500	1.21	5.25	6.46	3,230.00	0	500	1.21	5.25	6.46	3230
4.11	Punct de record pentru divizarea echipamentelor	buc	232	0.23	1.88	2.11	489.52	0	232	0.23	1.88	2.11	489.52
4.12	Cuie de protecție pentru convertor și transmiter de presiune diferențială, carcasa metalică, montaj aparent, preapănată cu înlocuirea minim IP54	buc	32	95.00	29.75	124.75	3,982.00	0	32	95.00	29.75	124.75	3992
5.00	Corp de iluminat												
5.01	L327 - Corp de iluminat tip plafoniera, montaj aparent, complet echipat, cu o fază, cu LED-uri de ~20W, IP20	buc	65	22.70	8.13	30.83	2,003.95	0	65	22.70	8.13	30.83	2003.95
5.02	L17 - Corp de iluminat tip aplica de perete, montaj aparent, complet echipat, cu o fază, cu LED-uri de ~10W, IP54	buc	57	18.82	8.13	27.95	1,533.15	0	57	18.82	8.13	27.95	1683.15
5.03	L18 - Corp de iluminat tip aplica de perete, montaj aparent, complet echipat, etans, cu o fază, cu LED-uri de ~10W, IP54	buc	32	19.82	8.13	27.95	894.40	0	32	19.82	8.13	27.95	894.4
5.04	L4 - Corp de iluminat, montaj aparent, complet echipat, cu o fază, LED 45W 4800lm, tip Philips FastSet sau similar, IP44	buc	1310	28.75	8.13	37.88	48,622.80	0	1310	28.75	8.13	37.88	48622.8
5.05	L527 - Corp de iluminat se asiguranta (antipanică, intervenții), montaj aparent, complet echipat, cu o fază, LED 45W 4800lm, tip Philips FastSet sau similar, cu kit de emergency autonomie 1 ora, IP44	buc	513	77.72	8.13	85.85	44,041.05	0	513	77.72	8.13	85.85	44041.05
5.06	L526 - Corp de iluminat se asiguranta (continuuarea lucrului, montaj aparent, complet echipat, cu o fază, LED 45W 4800lm, tip Philips FastSet sau similar, cu kit de emergency autonomie 2 ore, IP44	buc	19	87.31	11.88	99.19	1,894.61	0	19	87.31	11.88	99.19	1894.61
5.07	L3 - Corp de iluminat, cu LED-uri ~10W, montaj aparent, IP20	buc	7	19.82	8.13	27.95	195.55	0	7	19.82	8.13	27.95	195.55
5.08	L519 - Corp de iluminat marcare cal (evacuare (de difuzare), cu LED-uri de ~6W, cu kit de emergency autonomie 2 ore, montaj aparent, IP54	buc	708	26.27	8.13	33.40	23,647.20	0	708	26.27	8.13	33.40	23647.2
5.09	L518 - Corp de iluminat marcare cal (evacuare (de difuzare), cu LED-uri de ~5W, cu kit de emergency autonomie 2 ore, montaj aparent, IP54	buc	137	26.27	8.13	33.40	4,575.80	0	137	26.27	8.13	33.40	4575.8
5.10	L517 - Corp de iluminat marcare hidrant, cu LED-uri de ~5W, cu kit de emergency autonomie 1 ora, montaj aparent, IP54	buc	88	25.27	8.13	33.40	2,972.60	0	88	25.27	8.13	33.40	2972.6
6.00	Priza de pamant, instalata de impamantare												
6.01	Plăbândă de oțel zincat de 25 x 4 mm montaj aparent / îngropat pe / în elementele de construcție, inclusiv susținere (pentru instalarea de îngrămățări)	ml	1280	2.21	2.88	5.09	6,515.20	1,280.00	1280	2.21	2.88	5.09	6515.2
6.02	Electrod orizontal pentru priza de pământ din plăbândă de oțel zincat de 40 x 4 mm montat în fundatie la 5 cm de talia radierului	ml	2700	3.38	1.88	5.26	14,202.00	2,700.00	2700	3.38	1.88	5.26	14202

6.03	Piese de separare montate într-o cutie de protecție / fiidă specială prevăzută cu uși ce se deschid cu chei speciale, montaj aparent / îngropat pe / în elementele de construcție (inclusiv cutie de protecție / fiidă)	buc	40	19.57	9.38	28.95	1,158.00				0.00	0	40	19.57	9.38	28.95	1158
7.00	Proba și verificări																
7.01	Încercarea subeurilor electrice	buc	19	0.00	43.75	43.75	831.25				0.00	0	19	0.00	43.75	43.75	831.25
7.02	Încercarea cablu energizant de energie electrică de înaltă tensiune	buc	500	0.00	2.63	2.63	1,315.00				0.00	0	500	0.00	2.63	2.63	1,315
7.03	Încercări și verificări la instalația electrică și corpuri de iluminat	buc	3769	0.00	0.56	0.56	2,110.64				0.00	0	3769	0.00	0.56	0.56	2,110.64
	Total						1,666,781.85					719,677.27					947,104.58

Total materiale + manopera cantități rezultate	1,666,781.85
Total materiale + manopera asigurate de ACS3	719,677.27
Total materiale + manopera asigurate de ARSS	947,104.58
Valoare totală act adițional după DS	947,104.58
Valoare TVA	179,949.87
Total general (euro) cu TVA	1,127,054.45

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