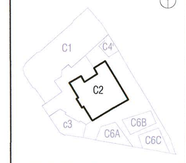
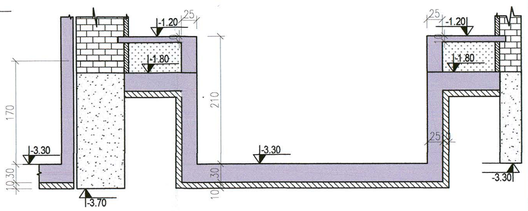
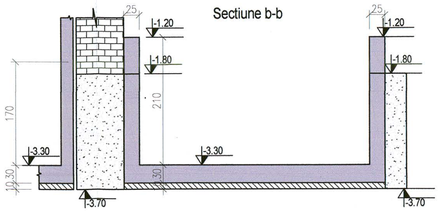
Schema generala



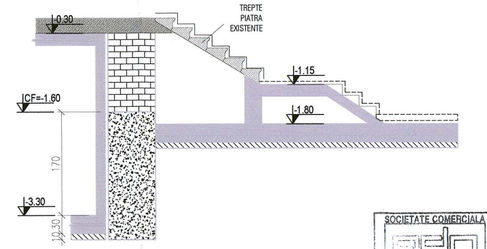
Sectiune a-a

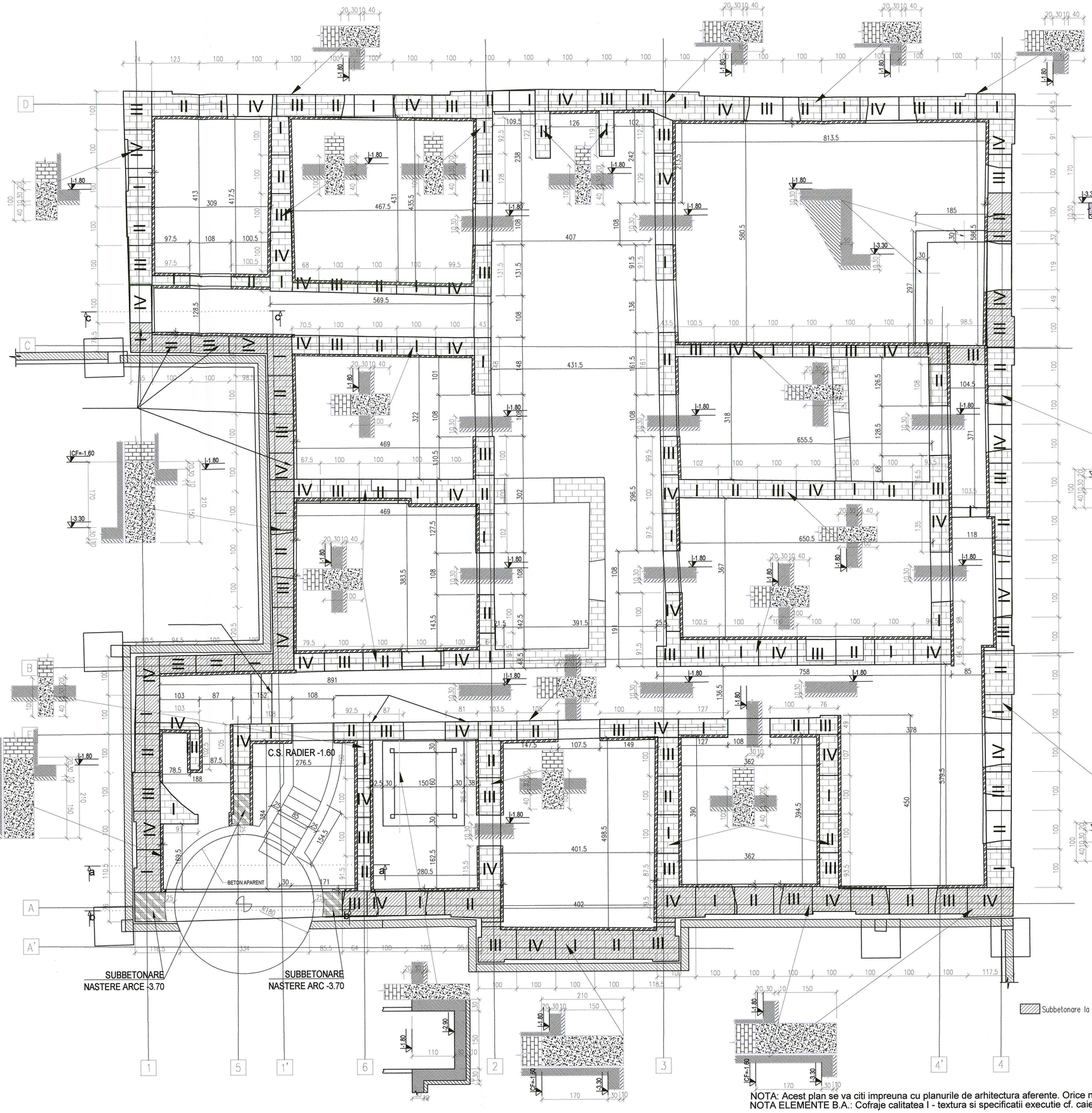


Sectiune b-b



Sectiune c-c





Subbetonare la h=2.10

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

BETON ARMAT IN FUNDATII:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC2;
e) Clasa de cloruri:Cl 02;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P8/10.

BETON SIMPLU EGALIZARI SI SUBBETONARI:
a) Clasa : C8/10
b) Ciment: CEM IIA-32,5R

NOTA:
-Inainte de turnarea fundatiilor se va solicita avizul proiectantului de instalatii;
- Fundatiile se vor hidroizola cu membrana de tip Xypex;
-La executia structurii se vor respecta prevederile din caietul de sarcini anexat la documentatie;
- In cazul aparitiei la cota de fundare a unor umpluturi accidentale, acestea vor fi excavate integral, iar in golurile rezultate se va turna beton simplu pana la cota din proiect a viitoarelor fundatii;
- Conturul fosei se va verifica dupa realizarea de masuratori pe santier.

CATEGORIA DE IMPORTANTA C
-NORMALA

Proiectant general si de arhitectura

SOCIETATE COMERCIALA birou de arhitectura srl BUCURESTI - ROMANIA

adn birou arhitectura
Str.Octavian, nr.27, sector3, Bucuresti,ROMANIA
Tel./Fax : 021 / 3267954, 340 / 3988 / 17.03.2003, R 15303910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan B V51 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel: 021 3217632
nr. J40/8663/2001 cod fiscal: R 14220680

Proiectant rezistenta

INCONA SRL Bucuresti
J40/6707/ 1991 ; R3013714
021 / 2111440

Proiectant instalatii

S.C. D&D EUROCOM S.R.L.
J40/14388/2004, CUI16742073,
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29, sector 3, Bucuresti
Tel/Fax: 031/4251982; 031/4251981
e-mail: electrica@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate

REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr.	Beneficiar	Universitatea Nationala de Arte Bucuresti
P646/2009	adresa	G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect

EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

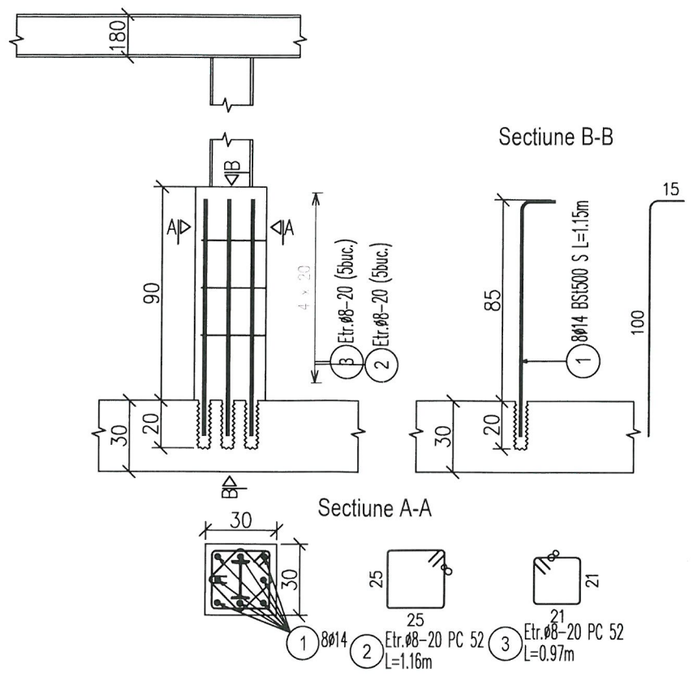
Sef proiect	ing. Mircea Neacsu	
Desenat	ing. Andreea Pascu	
Verificat	ing. Mircea Neacsu	

Titlu Plansa

PLAN COFRAJ FUNDATII CORP C2

FAZA	Scara	Data	
PT -DE REV2	1:50	11.2016	RC2-1

Detaliu rezemare stalp subsol pe radier
Camera SXII



EXTRAS DE ARMARE

N°	ø	Lungime	Bucati	Otel	Total Lungime	Total Greutate	Detaliu de bara
1	14	1.15	8	BSt500 S	9.20	11.11	100 / 15
2	8	1.16	5	PC 52	5.80	2.29	25 / 25
3	8	0.97	5	PC 52	4.85	1.92	21 / 21

	OB37			PC52						
	Ø6	Ø8	Ø10	Ø8	Ø10	Ø12	Ø14	Ø16	Ø20	Ø25
Lungime[m]	0	0	0	10.65	0	0	0	0	0	0
Greutate[kg]	0	0	0	4.21	0	0	0	0	0	0

	BSt500 S										
	Ø8	Ø10	Ø12	Ø14	Ø16	Ø18	Ø20	Ø22	Ø25	Ø28	Ø32
Lungime[m]	0	0	0	9.2	0	0	0	0	0	0	0
Greutate[kg]	0	0	0	11.11	0	0	0	0	0	0	0
								Masa Totala(kg)	15.32		

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

SOCIETATE COMERCIALA birou de arhitectura BUCURESTI - ROMANIA

NEACŞU GR. ION ROMANIA INLPAT NR. 05241 A1;A2 INGINER VERIFICATOR PROIECTE

INGINERI CONSTRUCTORI ASOCIAŢI

BETON ARMAT IN FUNDATII:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC2;
e) Clasa de cloruri:Cl 02;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P8/10.

BETON SIMPLU EGALIZARI SI SUBBETONARI:
a) Clasa : C8/10
b) Ciment: CEM IIA-32,5R

CATEGORIA DE IMPORTANTA C -NORMALA

Proiectant general si de arhitectura

birou arhitectura
Str. Octavian, nr. 27, sector 3, Bucuresti, ROMANIA
Tel. / Fax : 021 / 3267954, J40 / 3968 / 17.03.2003, R 15293910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan 8 V51 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel 021 3217632
nr. J40/8663/2001 cod fiscal: R 14235686

Proiectant rezistenta

Incona
INCONA SRL Bucuresti
J40/6707/ 1991 ; R3013714
021 / 2111440

Proiectant instalatii

D&D €com
S.C. D&D EUROCOM S.R.L.
J40/14388/2004, CUI16742073,
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29, sector 3, Bucuresti
Tel/Fax: 031/4251982, 031/4251981
e-mail: electrice@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate

REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr. P046/2009

Beneficiar: Universitatea Nationala de Arte Bucuresti
adresa: G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect

EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

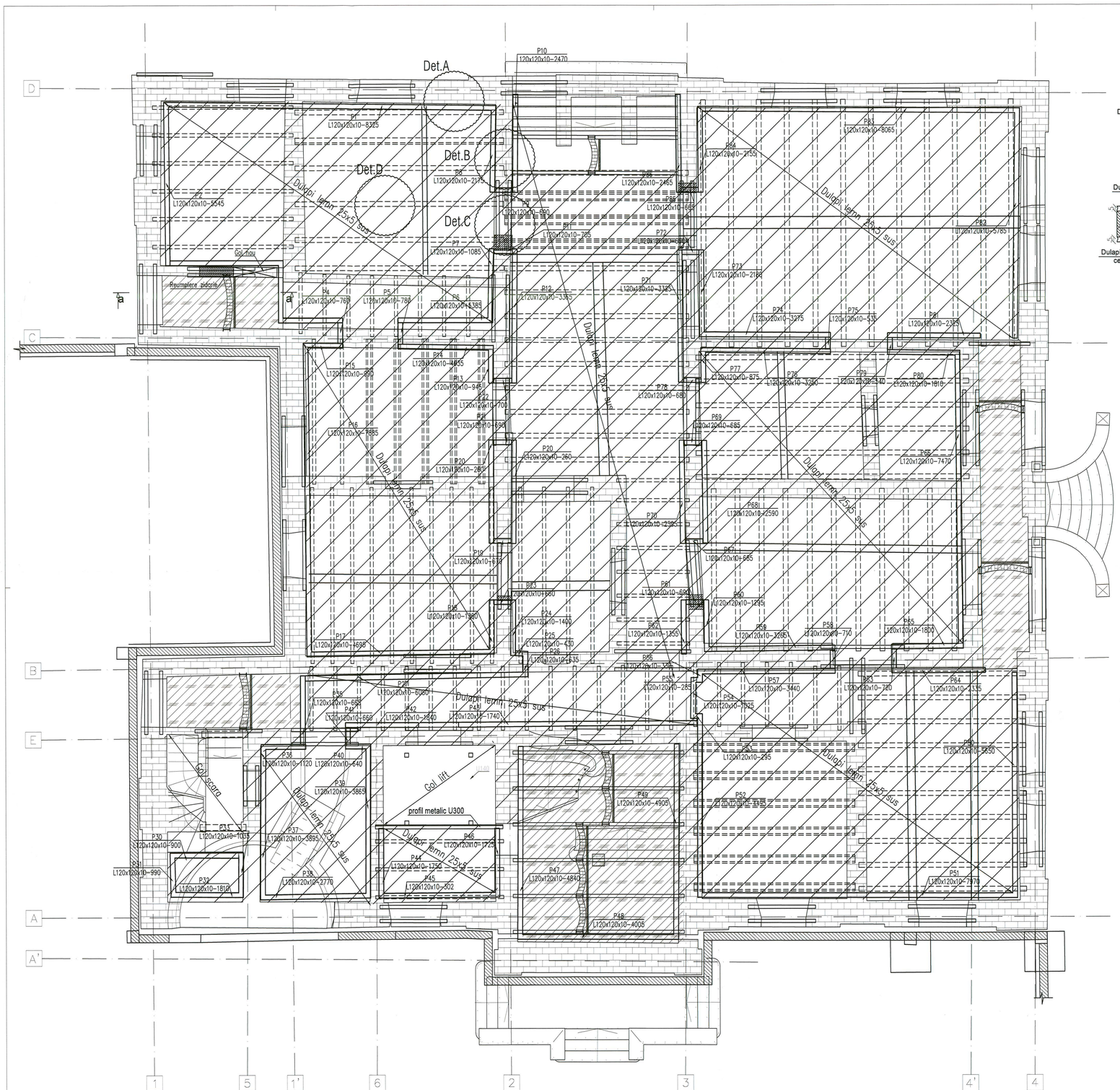
Sef proiect	ing. M. Neacsu	
Desenat	ing. A. Constantin	
Verificat	ing. M. Neacsu	

Titlu Plansa

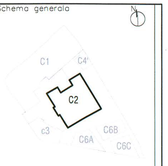
DETALIU REZEMARE STALP SUBSOL PE RADIER CORP C2.EXTRAS

Faza	Scara	Data	
PT - DE REV.2	1:2.5	12.2016	RC2-1-3

Acest proiect este proprietatea ATDN SA cu drepturi de autor conform Legii 8/1996 RM. Orice modificare ulterioara a proiectului, inclusiv fara notificarea si aprobarea scrisa a proiectantului.



Schema generala



Extras laminate								
Poz.	Denumire piesa	Buc.	Sectiune (mm)	Lungime (mm)	Greutate kg/ml	Greutate kg/buc.	Calit. Mat.	Greutate totala
P1	profil	1	120 x120x10	8325	18,20	151,5		151,5
P2	profil	1	120 x120x10	5545	18,20	100,9		100,9
P3	profil	1	120 x120x10	4415	18,20	80,4		80,4
P4	profil	1	120 x120x10	760	18,20	13,8		13,8
P5	profil	1	120 x120x10	780	18,20	14,2		14,2
P6	profil	1	120 x120x10	5385	18,20	98,0		98,0
P7	profil	1	120 x120x10	1085	18,20	19,7		19,7
P8	profil	1	120 x120x10	2175	18,20	39,6		39,6
P9	profil	1	120 x120x10	690	18,20	12,6		12,6
P10	profil	1	120 x120x10	2470	18,20	45,0		45,0
P11	profil	1	120 x120x10	705	18,20	12,8		12,8
P12	profil	1	120 x120x10	3365	18,20	61,2		61,2
P13	profil	1	120 x120x10	945	18,20	17,2		17,2
P14	profil	1	120 x120x10	4635	18,20	84,4		84,4
P15	profil	1	120 x120x10	990	18,20	18,0		18,0
P16	profil	1	120 x120x10	7885	18,20	143,5		143,5
P17	profil	1	120 x120x10	4695	18,20	85,4		85,4
P18	profil	1	120 x120x10	1360	18,20	24,8		24,8
P19	profil	1	120 x120x10	670	18,20	12,2		12,2
P20	profil	2	120 x120x10	260	18,20	4,7		9,5
P21	profil	1	120 x120x10	690	18,20	12,6		12,6
P22	profil	1	120 x120x10	700	18,20	12,7		12,7
P23	profil	1	120 x120x10	660	18,20	12,0		12,0
P24	profil	1	120 x120x10	1400	18,20	25,5		25,5
P25	profil	1	120 x120x10	430	18,20	7,8		7,8
P26	profil	1	120 x120x10	635	18,20	11,6		11,6
P27	profil	1	120 x120x10	6080	18,20	110,7		110,7
P28	profil	1	120 x120x10	1740	18,20	31,7		31,7
P29	profil	1	120 x120x10	1295	18,20	23,6		23,6
P30	profil	1	120 x120x10	900	18,20	16,4		16,4
P31	profil	1	120 x120x10	990	18,20	18,0		18,0
P32	profil	1	120 x120x10	1810	18,20	32,9		32,9
P33	profil	1	120 x120x10	1035	18,20	18,8		18,8
P34	profil	1	120 x120x10	1550	18,20	28,2		28,2
P35	profil	1	120 x120x10	665	18,20	12,1		12,1
P36	profil	1	120 x120x10	1120	18,20	20,4		20,4
P37	profil	1	120 x120x10	3895	18,20	70,9		70,9
P38	profil	1	120 x120x10	2770	18,20	50,4		50,4
P39	profil	1	120 x120x10	3865	18,20	70,3		70,3
P40	profil	1	120 x120x10	640	18,20	11,6		11,6
P41	profil	1	120 x120x10	660	18,20	12,0		12,0
P42	profil	1	120 x120x10	1840	18,20	33,5		33,5
P43	profil	1	120 x120x10	1740	18,20	31,7		31,7
P44	profil	1	120 x120x10	1750	18,20	31,9		31,9
P45	profil	1	120 x120x10	302	18,20	5,5		5,5
P46	profil	1	120 x120x10	1725	18,20	31,4		31,4
P47	profil	1	120 x120x10	4840	18,20	88,1		88,1
P48	profil	1	120 x120x10	4005	18,20	72,9		72,9
P49	profil	1	120 x120x10	4905	18,20	89,3		89,3
P50	profil	1	120 x120x10	5650	18,20	102,8		102,8
P51	profil	1	120 x120x10	7970	18,20	145,1		145,1
P52	profil	1	120 x120x10	4495	18,20	81,8		81,8
P53	profil	1	120 x120x10	295	18,20	5,4		5,4
P54	profil	1	120 x120x10	1025	18,20	18,7		18,7
P55	profil	1	120 x120x10	285	18,20	5,2		5,2
P56	profil	1	120 x120x10	330	18,20	6,0		6,0
P57	profil	1	120 x120x10	3440	18,20	62,6		62,6
P58	profil	1	120 x120x10	710	18,20	12,9		12,9
P59	profil	1	120 x120x10	3265	18,20	59,4		59,4
P60	profil	1	120 x120x10	1295	18,20	23,6		23,6
P61	profil	1	120 x120x10	690	18,20	12,6		12,6
P62	profil	1	120 x120x10	1355	18,20	24,7		24,7
P63	profil	1	120 x120x10	720	18,20	13,1		13,1
P64	profil	1	120 x120x10	2335	18,20	42,5		42,5
P65	profil	1	120 x120x10	1800	18,20	32,8		32,8
P66	profil	1	120 x120x10	7470	18,20	136,0		136,0
P67	profil	1	120 x120x10	685	18,20	12,5		12,5
P68	profil	1	120 x120x10	2590	18,20	47,1		47,1
P69	profil	1	120 x120x10	685	18,20	12,5		12,5
P70	profil	1	120 x120x10	2595	18,20	47,2		47,2
P71	profil	1	120 x120x10	3325	18,20	60,5		60,5
P72	profil	1	120 x120x10	660	18,20	12,0		12,0
P73	profil	1	120 x120x10	2180	18,20	39,7		39,7
P74	profil	1	120 x120x10	3275	18,20	59,6		59,6
P75	profil	1	120 x120x10	535	18,20	9,7		9,7
P76	profil	1	120 x120x10	3250	18,20	59,2		59,2
P77	profil	1	120 x120x10	875	18,20	15,9		15,9
P78	profil	1	120 x120x10	680	18,20	12,4		12,4
P79	profil	1	120 x120x10	540	18,20	9,8		9,8
P80	profil	1	120 x120x10	1810	18,20	32,9		32,9
P81	profil	1	120 x120x10	2325	18,20	42,3		42,3
P82	profil	1	120 x120x10	5785	18,20	105,3		105,3
P83	profil	1	120 x120x10	8065	18,20	146,8		146,8
P84	profil	1	120 x120x10	2155	18,20	39,2		39,2
P85	profil	1	120 x120x10	665	18,20	12,1		12,1
P86	profil	1	120 x120x10	2465	18,20	44,9		44,9
P87	tija	250	M 16	200	1,58	0,3		78,9
P88	profil	1	U300	3200	46,20	147,8		147,8
			Total [kg]					3872
			Electrozi 1.2% [kg]					46,5
			Grund 0.4% [kg]					15,5
			Total greutate [kg]					3934

BETON TORCRETAT:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta: S3;
d) Clase de expunere: XC1;
e) Clasa de cloruri: Cl 0,2;
f) Diametrul maxim al agregatelor: Dmax=16mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P4.

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I – textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

SOCIETATE COMERCIALA
birou de arhitectura adn
CATEGORIA DE IMPORTANTA C - NORMALA

Proiectant general si de arhitectura

adn birou arhitectura
Str. Octavian nr. 27 sect. 1 cp 3, Bucuresti ROMANIA
Tel. / Fax: 021 / 3267954 ; J40 / 3968 / 17.03.2003, R 15293910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan 8 VIII ap.42 031206 sector 3 Bucuresti
atelieropus@yahoo.com tel 021 3217532
nr. J40/6663/2001 cod fiscal: R 14235686

Proiectant rezistenta

INCONA SRL Bucuresti
J40/6707/ 1991 ; R3013714
021 / 2111440

Proiectant instalatii

S.C. D&D EUROCOM S.R.L.
J40/14386/2004, CUI16742073,
Matei Basarab 109, bl. 74, sc.1, et.7, ap.28,
sector 3, Bucuresti
Tel/Fax: 031.420.0982, 031.420.0981
e-mail: electrica@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate

REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr. P046/2009 — Beneficiar: Universitatea Nationala de Arte Bucuresti
Adresa: G-ral Budisteanu, nr. 19, sect 1, Bucuresti

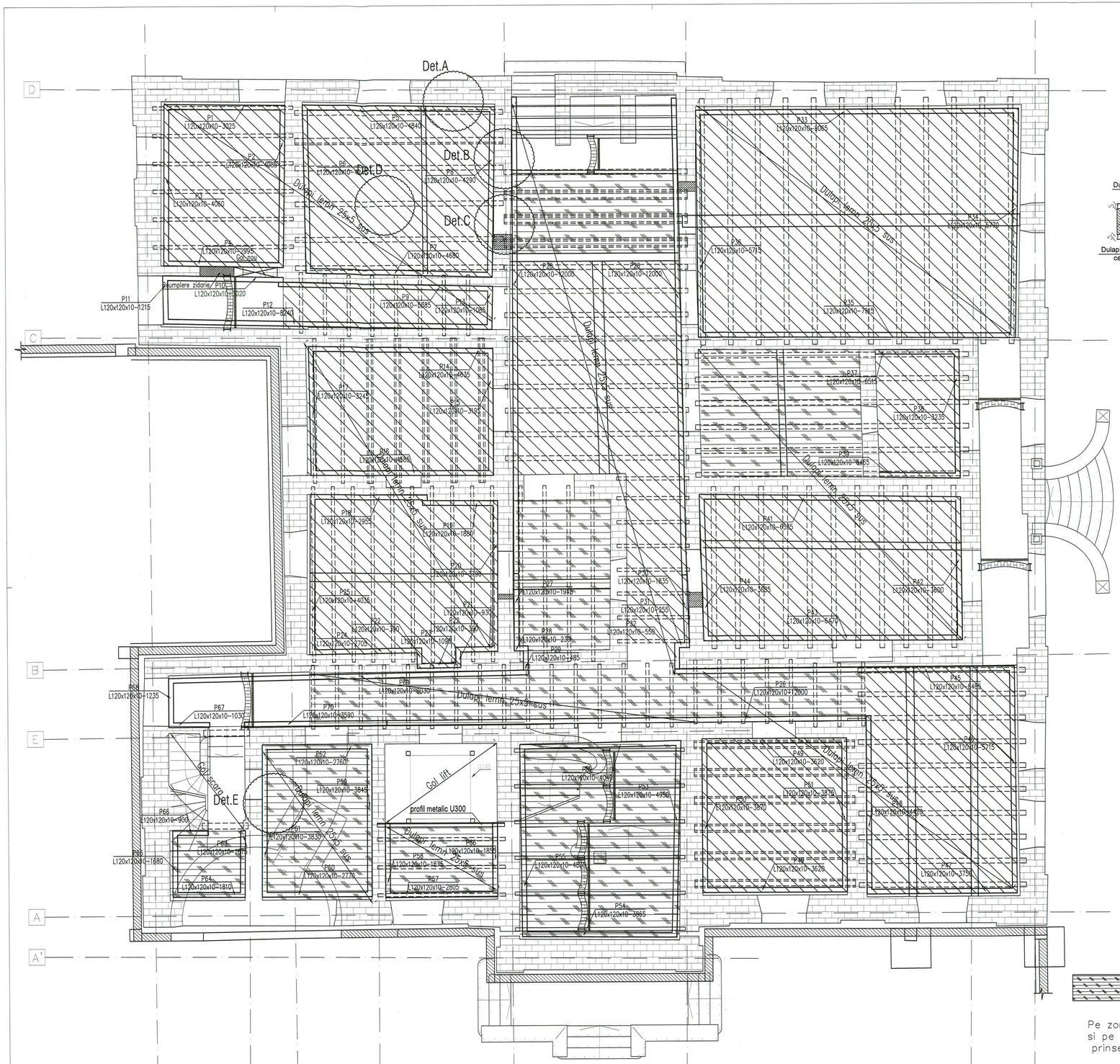
Titlu Proiect
EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

Sef proiect	Ing. Mircea Neacsu
Intocmit	Ing. A. Pascu
Verificat	Ing. Mircea Neacsu

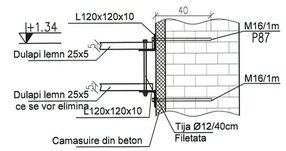
Titlu Planso

PLAN COFRAJ PESTE SUBSOL CORP C2
CONSOLIDARE PLANSEU PARTE SUPERIOARA

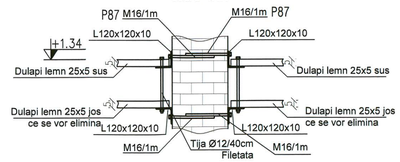
Faza	Scara	Data	
PT-DE REV.2	1:50/1:20	12.2016	RC2-2.1



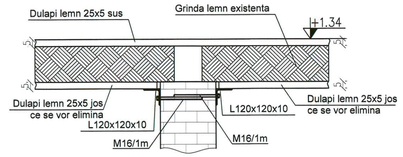
Detaliul A
scara 1:20



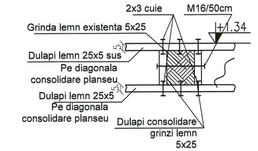
Detaliul B
scara 1:20



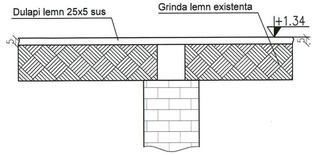
Detaliul C
scara 1:20



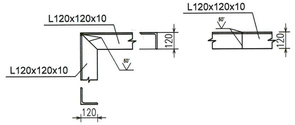
Detaliul D
scara 1:20



Detaliul E–dupa eliminarea dulapilor si a cornierelor
scara 1:20



Detaliul de imbinare la intersectii a cornierelor 120x120x10
scara 1:20



Extras laminate

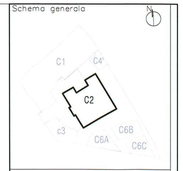
Poz.	Denumire piesa	Buc.	Sectiune (mm)	Lungime (mm)	Greutate kg/ml	Greutate kg/buc.	Calit. Mat.	Greutate totala
P1	profil	1	120 x120x10	3025	18,20	55,1		55,1
P2	profil	1	120 x120x10	4085	18,20	74,3		74,3
P3	profil	1	120 x120x10	4060	18,20	73,9		73,9
P4	profil	1	120 x120x10	2995	18,20	54,5		54,5
P5	profil	1	120 x120x10	4840	18,20	88,1		88,1
P6	profil	1	120 x120x10	4240	18,20	77,2		77,2
P7	profil	1	120 x120x10	4680	18,20	85,2		85,2
P8	profil	1	120 x120x10	4290	18,20	78,1		78,1
P9	profil	1	120 x120x10	5385	18,20	98,0		98,0
P10	profil	1	120 x120x10	3020	18,20	55,0		55,0
P11	profil	1	120 x120x10	1215	18,20	22,1		22,1
P12	profil	1	120 x120x10	8240	18,20	150,0		150,0
P13	profil	1	120 x120x10	1085	18,20	19,7		19,7
P14	profil	1	120 x120x10	4635	18,20	84,4		84,4
P15	profil	1	120 x120x10	3195	18,20	58,1		58,1
P16	profil	1	120 x120x10	4585	18,20	83,4		83,4
P17	profil	1	120 x120x10	3245	18,20	59,1		59,1
P18	profil	1	120 x120x10	2955	18,20	53,8		53,8
P19	profil	1	120 x120x10	1880	18,20	34,2		34,2
P20	profil	1	120 x120x10	3790	18,20	69,0		69,0
P21	profil	1	120 x120x10	930	18,20	16,9		16,9
P22	profil	2	120 x120x10	390	18,20	7,1		14,2
P23	profil	1	120 x120x10	1090	18,20	19,8		19,8
P24	profil	1	120 x120x10	2705	18,20	49,2		49,2
P25	profil	1	120 x120x10	4035	18,20	73,4		73,4
P26	profil	3	120 x120x10	12000	18,20	218,4		655,2
P27	profil	1	120 x120x10	1945	18,20	35,4		35,4
P28	profil	1	120 x120x10	230	18,20	4,2		4,2
P29	profil	1	120 x120x10	485	18,20	8,8		8,8
P30	profil	1	120 x120x10	1835	18,20	33,4		33,4
P31	profil	1	120 x120x10	255	18,20	4,6		4,6
P32	profil	1	120 x120x10	550	18,20	10,0		10,0
P33	profil	1	120 x120x10	8065	18,20	146,8		146,8
P34	profil	1	120 x120x10	5770	18,20	105,0		105,0
P35	profil	1	120 x120x10	7915	18,20	144,1		144,1
P36	profil	1	120 x120x10	5715	18,20	104,0		104,0
P37	profil	1	120 x120x10	6651	18,20	121,0		121,0
P38	profil	1	120 x120x10	3235	18,20	58,9		58,9
P39	profil	1	120 x120x10	6465	18,20	117,7		117,7
P40	profil	1	120 x120x10	3180	18,20	57,9		57,9
P41	profil	1	120 x120x10	6535	18,20	118,9		118,9
P42	profil	1	120 x120x10	3600	18,20	65,5		65,5
P43	profil	1	120 x120x10	6470	18,20	117,8		117,8
P44	profil	1	120 x120x10	3685	18,20	67,1		67,1
P45	profil	1	120 x120x10	8485	18,20	154,4		154,4
P46	profil	1	120 x120x10	5715	18,20	104,0		104,0
P47	profil	1	120 x120x10	3750	18,20	68,3		68,3
P48	profil	1	120 x120x10	4420	18,20	80,4		80,4
P49	profil	2	120 x120x10	3620	18,20	65,9		131,8
P50	profil	1	120 x120x10	3870	18,20	70,4		70,4
P51	profil	1	120 x120x10	3875	18,20	70,5		70,5
P52	profil	1	120 x120x10	4040	18,20	73,5		73,5
P53	profil	1	120 x120x10	4950	18,20	90,1		90,1
P54	profil	1	120 x120x10	3865	18,20	70,3		70,3
P55	profil	1	120 x120x10	4835	18,20	88,0		88,0
P56	profil	1	120 x120x10	1855	18,20	33,8		33,8
P57	profil	1	120 x120x10	2805	18,20	51,1		51,1
P58	profil	1	120 x120x10	1875	18,20	34,1		34,1
P59	profil	1	120 x120x10	3845	18,20	70,0		70,0
P60	profil	1	120 x120x10	2770	18,20	50,4		50,4
P61	profil	1	120 x120x10	3830	18,20	69,7		69,7
P62	profil	1	120 x120x10	2760	18,20	50,2		50,2
P63	profil	1	120 x120x10	1675	18,20	30,5		30,5
P64	profil	1	120 x120x10	1810	18,20	32,9		32,9
P65	profil	1	120 x120x10	1680	18,20	30,6		30,6
P66	profil	1	120 x120x10	900	18,20	16,4		16,4
P67	profil	1	120 x120x10	1030	18,20	18,7		18,7
P68	profil	1	120 x120x10	1235	18,20	22,5		22,5
P69	profil	1	120 x120x10	9030	18,20	164,3		164,3
P70	profil	1	120 x120x10	3590	18,20	65,3		65,3
P71	tija	325	M 16	400	1,58	0,6		205,1
P72	tija filetata	815	ø 12	450	0,89	0,4		325,7
			Total [kg]					5796
			Electrozi 1.2% [kg]					69,6
			Grund 0.4% [kg]					23,2
			Total greutate [kg]					5889

S 235 JR (OL37.2)

BETON TORCRETAT:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta: S3;
d) Clase de expunere: XC1;
e) Clasa de cloruri: Cl 02;
f) Diametrul maxim al agregatelor: Dmax=16mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P4.

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I – textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

Schema generala



SOCIETATE COMERCIALA
Expert tehnic atestat
BUCURESTI - ROMANIA
birou general si de arhitectura
adn birou arhitectura
Str. Octavian, nr. 27, sect 1 or 3, Bucuresti, ROMANIA
Tel. / Fax 021 / 3267954, J40 / 3968 / 17.03.2003, R 15293910
Proiectant restaurare
opus/atelier de arhitectură
Calea Vitan B V51 sc.2 ap.42 031096 sector 3 Bucuresti
atelieropus@yahoo.com tel 021 3217632
nr.J40/663/2001 cod fiscal: N 14233566
Proiectant rezistenta
INCONA SRL Bucuresti
J40/6707/ 1991 ; R3013714
021 / 2111440
Proiectant instalatii
S.C. D&D EUROCOM S.R.L.
J40/14288/2004, CUI16742073,
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29, sector 3, Bucuresti
Tel/Fax: 021/4031982; 031/4251981
e-mail: electro@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate
REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr. P046/2009 — Beneficiar: Universitatea Nationala de Arte Bucuresti — adresa: G-ral Budisteanu, nr. 19, sect 1, Bucuresti

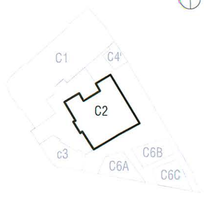
Titlu Proiect
EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

Sef proiect	ing. Mircea Neacsu
Intocmit	ing. A. Pascu
Verificat	ing. Mircea Neacsu

Titlu Planso
PLAN COFRAJ PESTE SUBSOL CORP C2
CONSOLIDARE PLANSEU PARTE INFERIOARA

Faza	Scara	Data	
P.C.O.D. PT+DE REV.2	1:50/1:20	12.2016	RC2-2.2

Schema generala



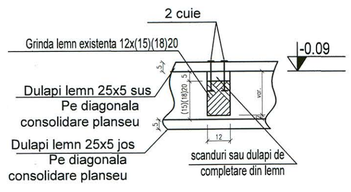
Legenda Tipuri de Grinzi:

(G1)- grinzi cu segment(e)/capet(e) putrezit(e) care se inlocuiesc cu grinzi noi sau refolosibile (2x4,5x20 sau 10x20, dupa caz) - detaliu D3

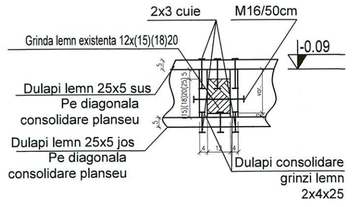
(G2)- grinzi in stare buna, la care se adauga completari la partea superioara (pana la h=20cm) - detaliu D1

(G3)- grinzi in stare buna care se consolideaza cu dulapi laterali (2x4,5x20 sau 2x4,5x25, dupa caz) - detaliu D2

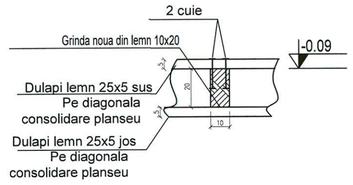
Detaliul D.1
scara 1:20



Detaliul D.2
scara 1:20



Detaliul D.3
scara 1:20



NOTA: Toti dulapii noi (de inlocuire si de consolidare) se vor alinia la partea superioara. Toate elementele noi de lemn se vor realiza din soiuri lemnoase cu rezistenta mecanica cel putin egala (sau superioara) ca cea a elementelor lemnoase care se pastreaza in lucrare.

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

BETON TORCRETAT:
a) Clasa : C20/25
b) Ciment: CEM IIA-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC1;
e) Clasa de cloruri:Cl 02;
f) Diametrul maxim al agregatelor: Dmax=16mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P4.

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SOCIETATE COMERCIALA adn birou de arhitectura si BUCURESTI - ROMANIA

Proiectant general si de arhitectura

adn birou arhitectura
Str. Octavian, nr. 27, sector 3, Bucuresti, ROMANIA
Tel. / Fax : 021 / 3267954, J40 / 3968 / 17.03.2003, R 15293910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan 8 VS1 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel 021 3217632
nr. J40/8663/2001 cod fiscal: R 14235686

Proiectant rezistenta

Incona
INCONA SRL Bucuresti
J40/6707/ 1991 ; R3013714
021 / 2111440

Proiectant instalatii

D&D €com
S.C. D&D EUROCOM S.R.L.
J40/14388/2004, CUI16742073,
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29, sector 3, Bucuresti
Tel/Fax: 031/4251982, 031/4251981
e-mail: electrice@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate

REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr. P046/2009 — Beneficiar: Universitatea Nationala de Arte Bucuresti, adresa G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect
EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

Sef proiect	ing. Mircea Neacsu	
Intocmit	ing. Andreea Pascu	
Verificat	ing. Mircea Neacsu	

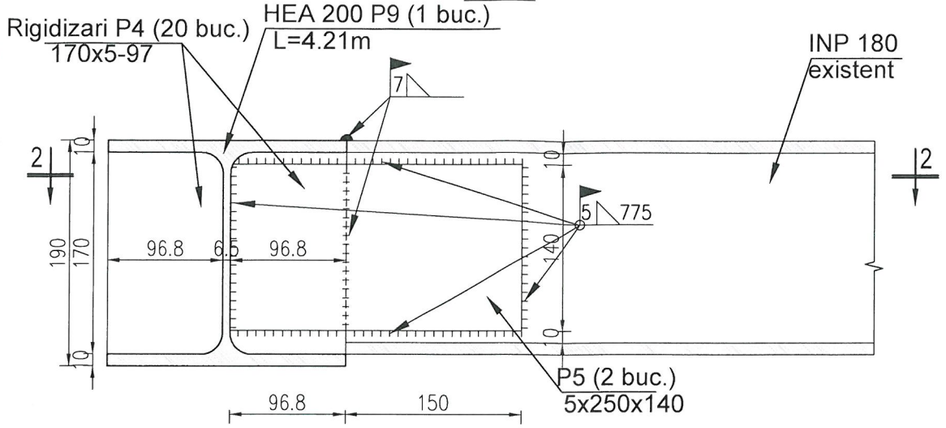
Titlu Plansa
CONSOLIDARE PERETI
SI GRINZI SUBSOL - CORP C2

Faza	Scara	Data	
PT - DE RSV 2	1:50/1:20	12.2016	R2-2.3

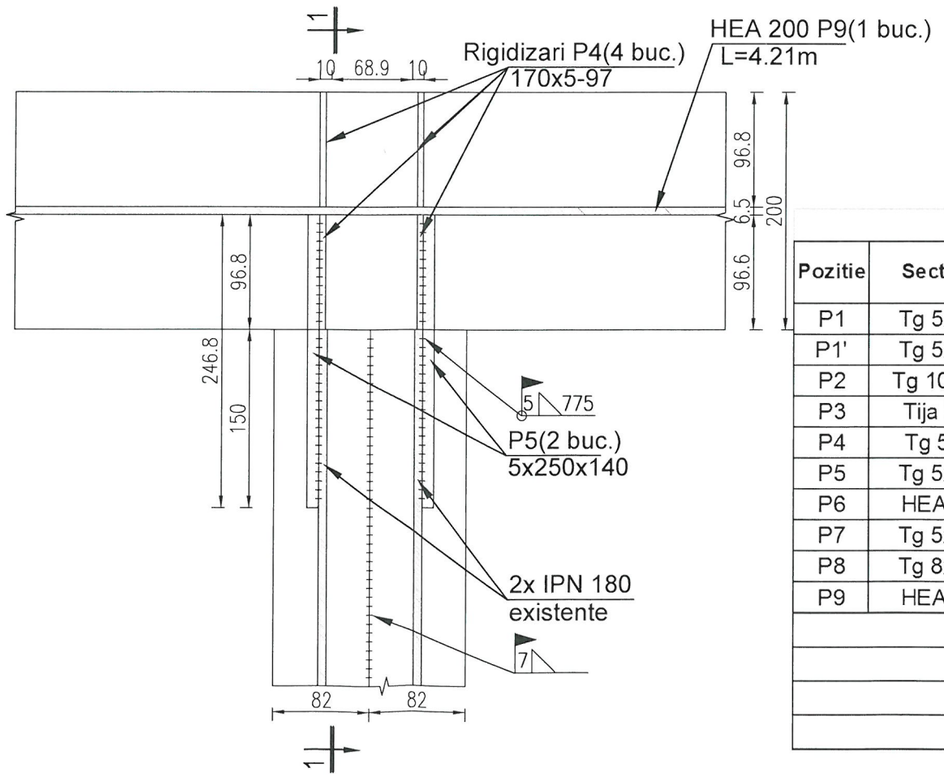
C2

Detaliu rezemare grinda subsol

Sectiunea 1-1
Sc. 1:5



Vedere de sus 2-2
Sc. 1:5



EXTRAS LAMINATE

Pozitie	Sectiune	Lungime [mm]	Nr.buc./elem	Masa [Kg] kg/ml	kg/buc	kg/elem	Calitate material
P1	Tg 5x165	180	100	6,48	1,17	116,57	
P1'	Tg 5x170	220	80	6,67	1,47	117,44	
P2	Tg 10x200	400	90	15,70	6,28	565,20	
P3	Tija M16	310	90		0,19	17,28	
P4	Tg 5x97	170	20	3,81	0,65	12,94	
P5	Tg 5x250	140	2	9,81	1,37	2,75	
P6	HEA 200	4500	1	42,30	190,35	190,35	
P7	Tg 5x250	150	1	9,81	1,47	1,47	
P8	Tg 8x195	180	2	12,25	2,20	4,41	
P9	HEA 200	4210	1	42,30	178,08	178,08	
TOTAL						1207	kg
ELECTROZI (1,5%)						19	kg
GRUND (0,4%)						5	kg
TOTAL						**1231**	kg

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

BETON ARMAT IN FUNDATII:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC2;
e) Clasa de cloruri:Cl 02;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P8/10.

BETON SIMPLU EGALIZARI SI SUBBETONARI:
a) Clasa : C8/10
b) Ciment: CEM IIA-32,5R

CATEGORIA DE IMPORTANTA C -NORMALA

SOCIETATE COMERCIALA birou de arhitectură BUCUREŞTI - ROMANIA

NEACŞU GR. ION ROMANIA MLPAT NR. 05241 A1;A2 INGINER VERIFICATOR PROIECTE

Proiectant general si de arhitectura
birou arhitectura
Str. Octavian, nr. 27, sector 3, Bucuresti, ROMANIA
Tel. / Fax : 021 / 3267954, J40 / 3968 / 17.03.2003, R 15293910

Proiectant restaurare
opus/atelier de arhitectură
Calea Vitan 8 V51 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel 021 3217632
nr. J40/8663/2001 cod fiscal: R 14235686

Proiectant rezistenta
incona
INCONA SRL Bucuresti
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Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29, sector 3, Bucuresti
Tel/Fax: 031/4251982, 031/4251981
e-mail: electrice@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate
REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr. P046/2009
Beneficiar Universitatea Nationala de Arte Bucuresti
adresa G-ral Budisteanu, nr. 19, sect 1, Bucuresti

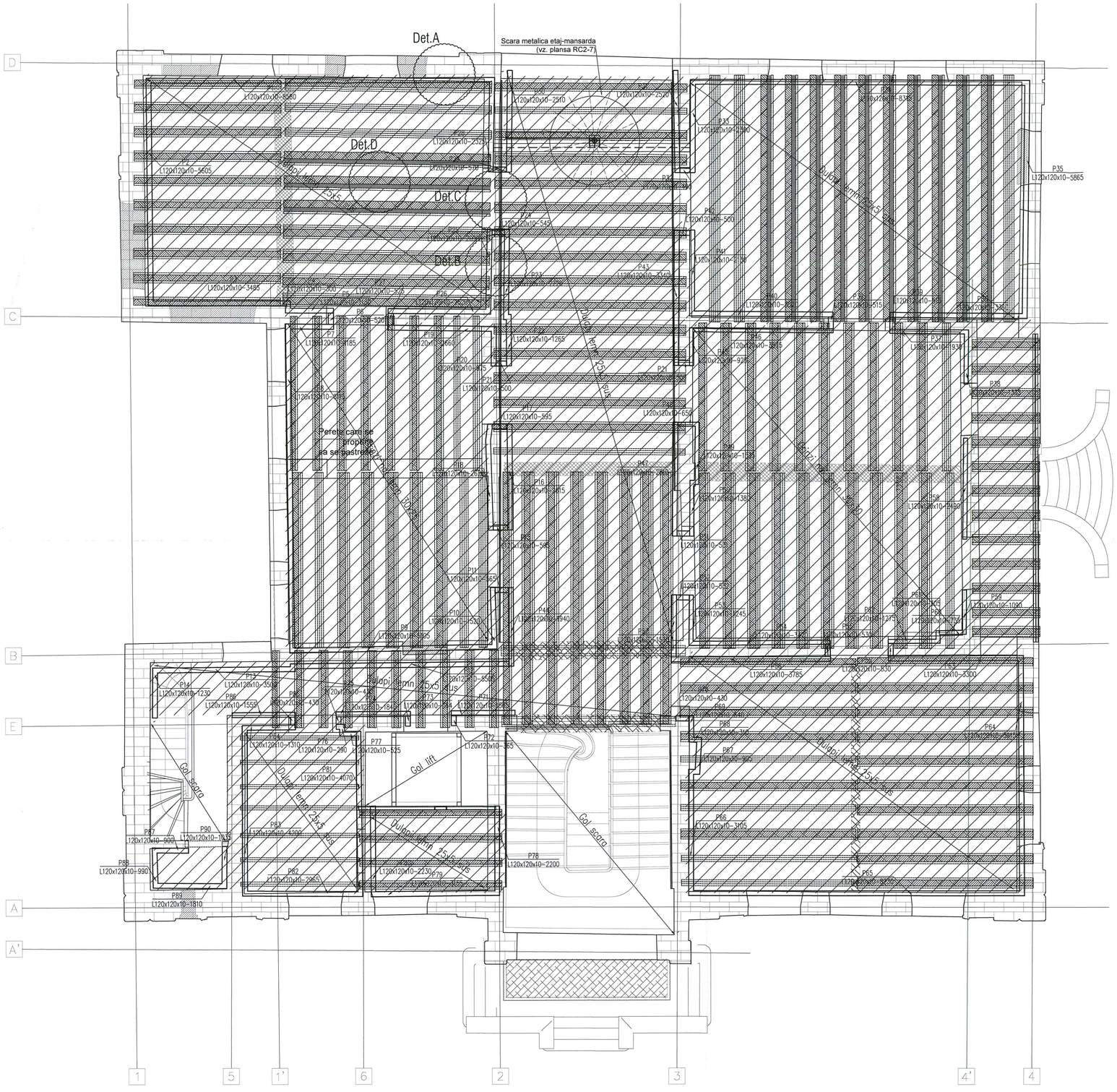
Titlu Proiect
EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

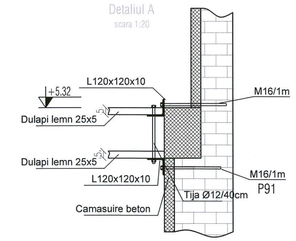
Sef proiect	ing. M. Neacsu	
Desenat	ing. A. Constantin	
Verificat	ing. M. Neacsu	

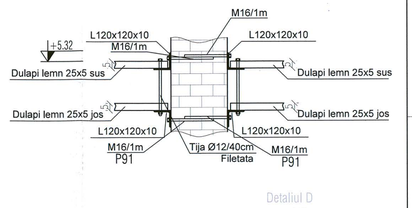
Titlu Plansa
DETALIU REZEMARE GRINDA SUBSOL CORP C2.EXTRAS

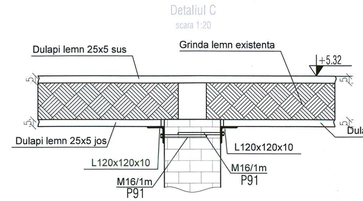
Faza	Scara	Data	
PT - DE REV.2	1:5	12.2016	RC2-2.5

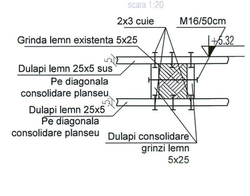
Proiectul este proprietatea atelierului si nu poate fi folosit in alte scopuri decat cele pentru care a fost creat. Orice modificare a proiectului se va face numai cu acordul scris al autorului.

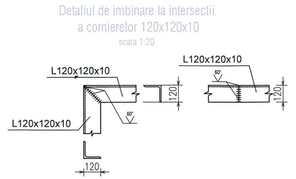












zidarie de completare

camasuire torcret

tencuiala pe peretii holului

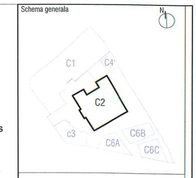
Consolidarea balconului se va realiza astfel:
1. Se va curata structura metalica si se va proteja anticoroziv prin vopsire.
2. La intrados se reface tencuiala cu mortar pe baza de ciment.
3. se suprabetoneaza 5cm cu plasa sudata placa balconului.

Extras laminate

Poz.	Denumire piesa	Buc.	Sectiune (mm)	Lungime (mm)	Greutate kg/ml	Greutate kg/buc.	Calit. Mat.	Greutate totala
P1	profil	1	120 x120x10	8580	18,20	156,2		156,2
P2	profil	1	120 x120x10	5605	18,20	102,0		102,0
P3	profil	1	120 x120x10	3485	18,20	63,4		63,4
P4	profil	1	120 x120x10	300	18,20	5,5		5,5
P5	profil	1	120 x120x10	1180	18,20	21,5		21,5
P6	profil	1	120 x120x10	520	18,20	9,5		9,5
P7	profil	1	120 x120x10	1185	18,20	21,6		21,6
P8	profil	1	120 x120x10	8115	18,20	147,7		147,7
P9	profil	1	120 x120x10	5105	18,20	92,9		92,9
P10	profil	1	120 x120x10	1520	18,20	27,7		27,7
P11	profil	1	120 x120x10	565	18,20	10,3		10,3
P12	profil	1	120 x120x10	5505	18,20	100,2		100,2
P13	profil	1	120 x120x10	3500	18,20	63,7		63,7
P14	profil	1	120 x120x10	1230	18,20	22,4		22,4
P15	profil	1	120 x120x10	595	18,20	10,8		10,8
P16	profil	1	120 x120x10	2615	18,20	47,6		47,6
P17	profil	1	120 x120x10	595	18,20	10,8		10,8
P18	profil	1	120 x120x10	2620	18,20	47,7		47,7
P19	profil	1	120 x120x10	2660	18,20	48,4		48,4
P20	profil	1	120 x120x10	957	18,20	17,4		17,4
P21	profil	2	120 x120x10	500	18,20	9,1		18,2
P22	profil	1	120 x120x10	1265	18,20	23,0		23,0
P23	profil	1	120 x120x10	2220	18,20	40,4		40,4
P24	profil	1	120 x120x10	545	18,20	9,9		9,9
P25	profil	1	120 x120x10	2090	18,20	38,0		38,0
P26	profil	1	120 x120x10	2520	18,20	45,9		45,9
P27	profil	1	120 x120x10	525	18,20	9,6		9,6
P28	profil	1	120 x120x10	2325	18,20	42,3		42,3
P29	profil	1	120 x120x10	570	18,20	10,4		10,4
P30	profil	1	120 x120x10	2510	18,20	45,7		45,7
P31	profil	1	120 x120x10	2520	18,20	45,9		45,9
P32	profil	1	120 x120x10	490	18,20	8,9		8,9
P33	profil	1	120 x120x10	2300	18,20	41,9		41,9
P34	profil	1	120 x120x10	8315	18,20	151,3		151,3
P35	profil	1	120 x120x10	5865	18,20	106,7		106,7
P36	profil	1	120 x120x10	3360	18,20	61,2		61,2
P37	profil	1	120 x120x10	1930	18,20	35,1		35,1
P38	profil	1	120 x120x10	1335	18,20	24,3		24,3
P39	profil	2	120 x120x10	515	18,20	9,4		18,7
P40	profil	1	120 x120x10	3520	18,20	64,1		64,1
P41	profil	1	120 x120x10	2130	18,20	38,8		38,8
P42	profil	1	120 x120x10	500	18,20	9,1		9,1
P43	profil	1	120 x120x10	3340	18,20	60,8		60,8
P44	profil	1	120 x120x10	1940	18,20	35,3		35,3
P45	profil	1	120 x120x10	925	18,20	16,8		16,8
P46	profil	1	120 x120x10	3525	18,20	64,2		64,2
P47	profil	1	120 x120x10	2810	18,20	51,1		51,1
P48	profil	1	120 x120x10	650	18,20	11,8		11,8
P49	profil	1	120 x120x10	1535	18,20	27,9		27,9
P50	profil	1	120 x120x10	1380	18,20	25,1		25,1
P51	profil	1	120 x120x10	531	18,20	9,7		9,7
P52	profil	1	120 x120x10	532	18,20	9,7		9,7
P53	profil	1	120 x120x10	1245	18,20	22,7		22,7
P54	profil	1	120 x120x10	3470	18,20	63,2		63,2
P55	profil	2	120 x120x10	530	18,20	9,6		19,3
P56	profil	1	120 x120x10	3785	18,20	68,9		68,9
P57	profil	1	120 x120x10	1530	18,20	27,8		27,8
P58	profil	1	120 x120x10	2490	18,20	45,3		45,3
P59	profil	1	120 x120x10	1090	18,20	19,8		19,8
P60	profil	1	120 x120x10	735	18,20	13,4		13,4
P61	profil	1	120 x120x10	305	18,20	5,6		5,6
P62	profil	1	120 x120x10	1275	18,20	23,2		23,2
P63	profil	1	120 x120x10	3300	18,20	60,1		60,1
P64	profil	1	120 x120x10	5915	18,20	107,7		107,7
P65	profil	1	120 x120x10	8230	18,20	149,8		149,8
P66	profil	1	120 x120x10	3105	18,20	56,5		56,5
P67	profil	1	120 x120x10	905	18,20	16,5		16,5
P68	profil	1	120 x120x10	310	18,20	5,6		5,6
P69	profil	1	120 x120x10	640	18,20	11,6		11,6
P70	profil	1	120 x120x10	430	18,20	7,8		7,8
P71	profil	1	120 x120x10	1565	18,20	28,5		28,5
P72	profil	1	120 x120x10	365	18,20	6,6		6,6
P73	profil	1	120 x120x10	364	18,20	6,6		6,6
P74	profil	1	120 x120x10	1840	18,20	33,5		33,5
P75	profil	1	120 x120x10	430	18,20	7,8		7,8
P76	profil	1	120 x120x10	290	18,20	5,3		5,3
P77	profil	1	120 x120x10	525	18,20	9,6		9,6
P78	profil	1	120 x120x10	2200	18,20	40,0		40,0
P79	profil	1	120 x120x10	3155	18,20	57,4		57,4
P80	profil	1	120 x120x10	2230	18,20	40,6		40,6
P81	profil	1	120 x120x10	4070	18,20	74,1		74,1
P82	profil	1	120 x120x10	2965	18,20	54,0		54,0
P83	profil	1	120 x120x10	4200	18,20	76,4		76,4
P84	profil	1	120 x120x10	1310	18,20	23,8		23,8
P85	profil	1	120 x120x10	430	18,20	7,8		7,8
P86	profil	1	120 x120x10	1555	18,20	28,3		28,3
P87	profil	1	120 x120x10	900	18,20	16,4		16,4
P88	profil	1	120 x120x10	990	18,20	18,0		18,0
P89	profil	1	120 x120x10	1810	18,20	32,9		32,9
P90	profil	1	120 x120x10	1035	18,20	18,8		18,8
P91	tija	200	M 16	400	1,58	0,6		126,4
				Total [kg]				3667
				Electrozi 1.2% [kg]				44,0
				Grund 0.4% [kg]				14,7
				Total greutate [kg]				3726

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

Schema generala



BETON TORCRETAT:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC1;
e) Clasa de cloruri:Cl 02;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P4.

ARMATURI PENTRU BETON
SREN 10080; STAS 438/1-89
S 255 C (OB 37);
S 355 (C/ S 345 C)(PC 52).

SOCIETATE COMERCIALA
birou de arhitectura srl
BUCURESTI - ROMANIA
Proiectant general si de arhitectura
birou arhitectura
Str. Octavian nr.27, sector3, BucurestiROMANIA
Tel./Fax : 021 / 3267954, 340 / 3968 / 17.03.2003, R 15293910
Proiectant restaurare
opus/atelier de arhitectură
Calea Vitan-B V51 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel 021.321.1922
nr. J40/8663/2001 cod fiscal R 14235686
Proiectant rezistenta
INCONA SRL Bucuresti
J40/6707/1991 ; R3013714
021 / 2111440
Consultant instalatii
S.C. D&D EUROCOM S.R.L.
J40/11886/2004, CUI 16742975,
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29
sector 3, Bucuresti
Tel/Fax: 0314251982, 0314251981
e-mail: electrice@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate
REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

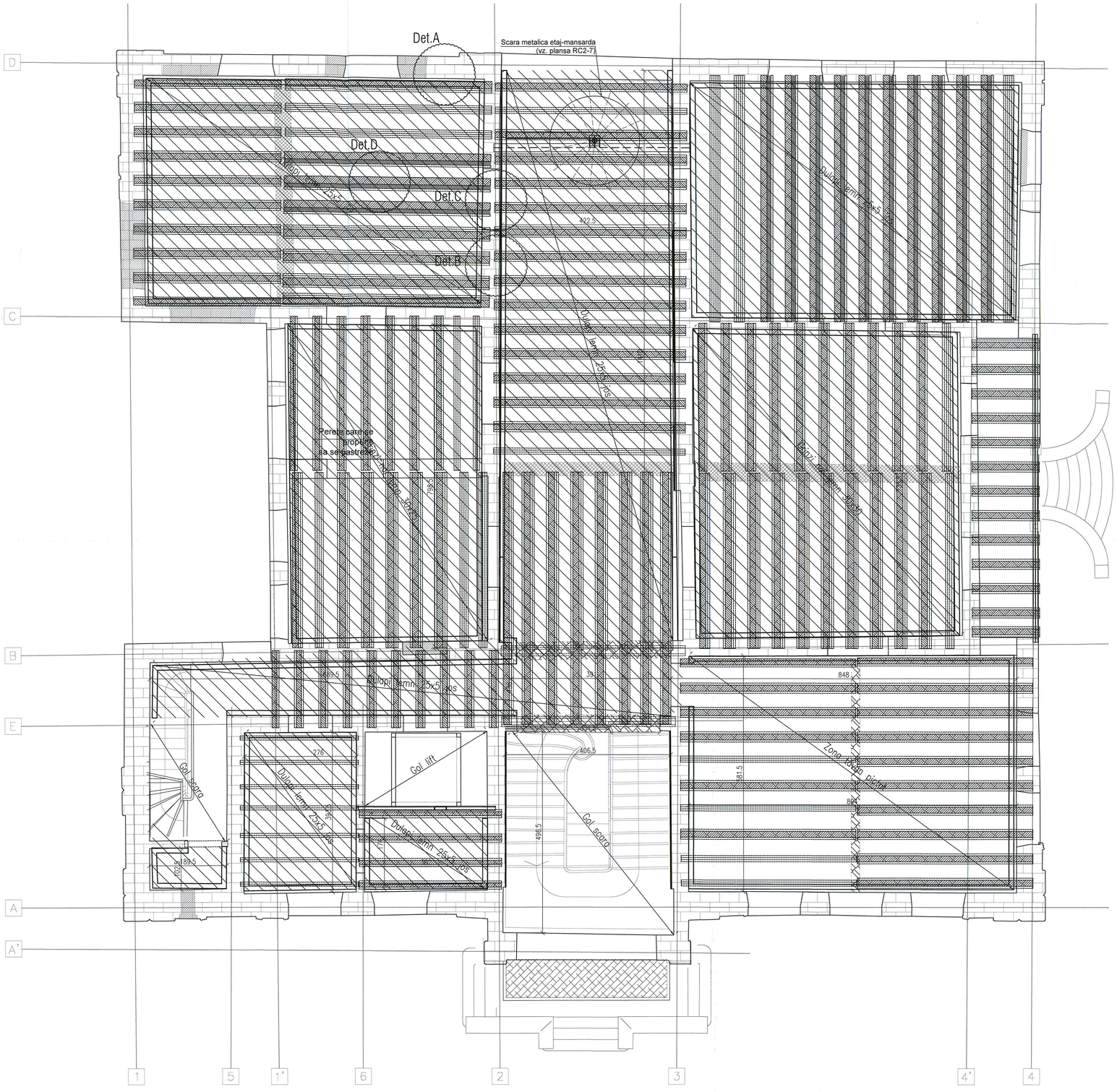
Pr. Nr. P046/2009 — Beneficiar: Universitatea Nationala de Arte Bucuresti — adresa: G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect
EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

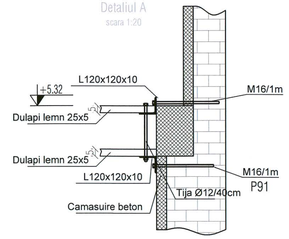
Sef proiect	ing. Mircea Neacsu	
Intocmit	ing. A. Pascu	
Verificat	ing. Mircea Neacsu	

Titlu Planca
PLAN COFRAJ PESTE PARTER
CORP C2 - CONSOLIDARE PLANSEU
PRIMA SUPERIOARA

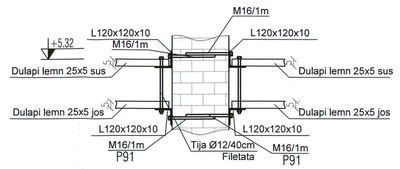
Faza PT+DE	Scara	Data	RC2-3.1



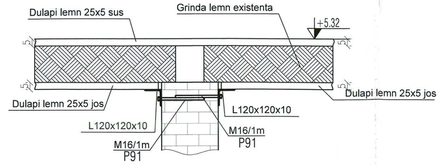
Detaliul A
scara 1:20



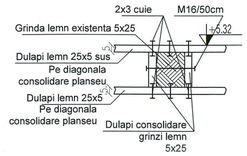
Detaliul B
scara 1:20



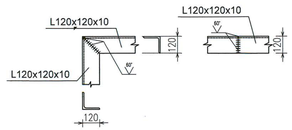
Detaliul C
scara 1:20



Detaliul D
scara 1:20



Detaliul de imbinare la intersectii
a cornierelor 120x120x10
scara 1:20



zidarie de completare

camasuire torcret

tencuiala pe peretii holului

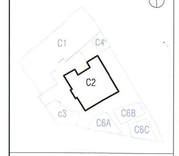
Consolidarea balconului se va realiza astfel:
1. Se va curata structura metalica si se va proteja anticoroziv prin vopsire.
2. La intrados se reface tencuiala cu mortar pe baza de ciment.
3. se suprabetoneaza 5cm cu plasa sudata placa balconului.

Extras laminate

Poz.	Denumire piesa	Buc.	Sectiune (mm)	Lungime (mm)	Greutate kg/ml	Greutate kg/buc.	Calit. Mat.	Greutate totala
P1	profil	1	120 x120x10	8325	18,20	151,5	S 235 JR (OL37.2)	151,5
P2	profil	1	120 x120x10	5545	18,20	100,9		100,9
P3	profil	1	120 x120x10	8175	18,20	148,8		148,8
P4	profil	1	120 x120x10	5450	18,20	99,2		99,2
P5	profil	1	120 x120x10	8175	18,20	148,8		148,8
P6	profil	1	120 x120x10	7750	18,20	141,1		141,1
P7	profil	1	120 x120x10	4695	18,20	85,4		85,4
P8	profil	1	120 x120x10	7885	18,20	143,5		143,5
P9	profil	1	120 x120x10	2100	18,20	38,2		38,2
P10	profil	1	120 x120x10	440	18,20	8,0		8,0
P11	profil	1	120 x120x10	6350	18,20	115,6		115,6
P12	profil	1	120 x120x10	8945	18,20	162,8		162,8
P13	profil	1	120 x120x10	1295	18,20	23,6		23,6
P14	profil	1	120 x120x10	7135	18,20	129,9		129,9
P15	profil	1	120 x120x10	2760	18,20	50,2		50,2
P16	profil	1	120 x120x10	3895	18,20	70,9		70,9
P17	profil	1	120 x120x10	2770	18,20	50,4		50,4
P18	profil	1	120 x120x10	3865	18,20	70,3		70,3
P19	profil	1	120 x120x10	1035	18,20	18,8		18,8
P20	profil	1	120 x120x10	1810	18,20	32,9		32,9
P21	profil	1	120 x120x10	990	18,20	18,0		18,0
P22	profil	1	120 x120x10	900	18,20	16,4		16,4
P23	profil	1	120 x120x10	1725	18,20	31,4		31,4
P24	profil	1	120 x120x10	3020	18,20	55,0		55,0
P25	profil	1	120 x120x10	1750	18,20	31,9		31,9
P26	profil	1	120 x120x10	4495	18,20	81,8		81,8
P27	profil	1	120 x120x10	7970	18,20	145,1		145,1
P28	profil	1	120 x120x10	5775	18,20	105,1		105,1
P29	profil	1	120 x120x10	7965	18,20	145,0		145,0
P30	profil	1	120 x120x10	170	18,20	3,1		3,1
P31	profil	1	120 x120x10	6465	18,20	117,7		117,7
P32	profil	1	120 x120x10	7470	18,20	136,0		136,0
P33	profil	1	120 x120x10	6485	18,20	118,0		118,0
P34	profil	1	120 x120x10	7635	18,20	139,0		139,0
P35	profil	1	120 x120x10	794	18,20	14,5		14,5
P36	profil	1	120 x120x10	5785	18,20	105,3		105,3
P37	profil	1	120 x120x10	8060	18,20	146,7		146,7
P38	profil	1	120 x120x10	5785	18,20	105,3		105,3
P39	profil	2	120 x120x10	12000	18,20	218,4		436,8
P40	profil	1	120 x120x10	2060	18,20	37,5		37,5
P41	tija	200	M 16	400	1,58	0,6		126,2
P42	tija filetata	500	ø 12	450	0,89	0,4		199,8
P43	profil	1	HEA 300	4700	88,30	415,0		415,0
P44	profil	1	HEA 240	4600	60,30	277,4		277,4
P45	profil	1	U 300	4600	46,20	212,5		212,5
Total [kg]								5011
Electrozi 1.2% [kg]								60,1
Grund 0.4% [kg]								20,0
Total greutate [kg]								5081

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitateaa I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

Schema generala



BETON TORCRETAT:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC1;
e) Clasa de cloruri:Cl 0,2 ;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P4.

ARMATURI PENTRU BETON
SREN 10080; STAS 438/1-89
S 255 C (OB 37);
S 355 C/ S 345 C(PC 52).

Proiectant general si de arhitectura
SOCIETATE COMERCIALA SCDN BIROU DE ARHITECTURA BUCURESTI ROMANIA
Str.Octavian, nr.27, sector3, Bucuresti,ROMANIA
Tel./Fax : 021 / 3267954 ,J40/3969 / 17.03.2003, R 15539910

Proiectant restaurare
opus/atelier de arhitectură
Calea Vitan B V51 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel 021.3217632
nr. J40/8663/2001 cod fiscal R 14235686

Proiectant rezistenta
INCONA SRL Bucuresti
J40/6707/1991 ; R3013714
001/2111440

Proiectant instalatii
S.C. D&D EUROCOM S.R.L.
J40/14086/2004, CUI16742073,
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29, sector 3, Bucuresti
Tel/Fax: 0314251982, 0314251981
e-mail: electrical@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate
REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

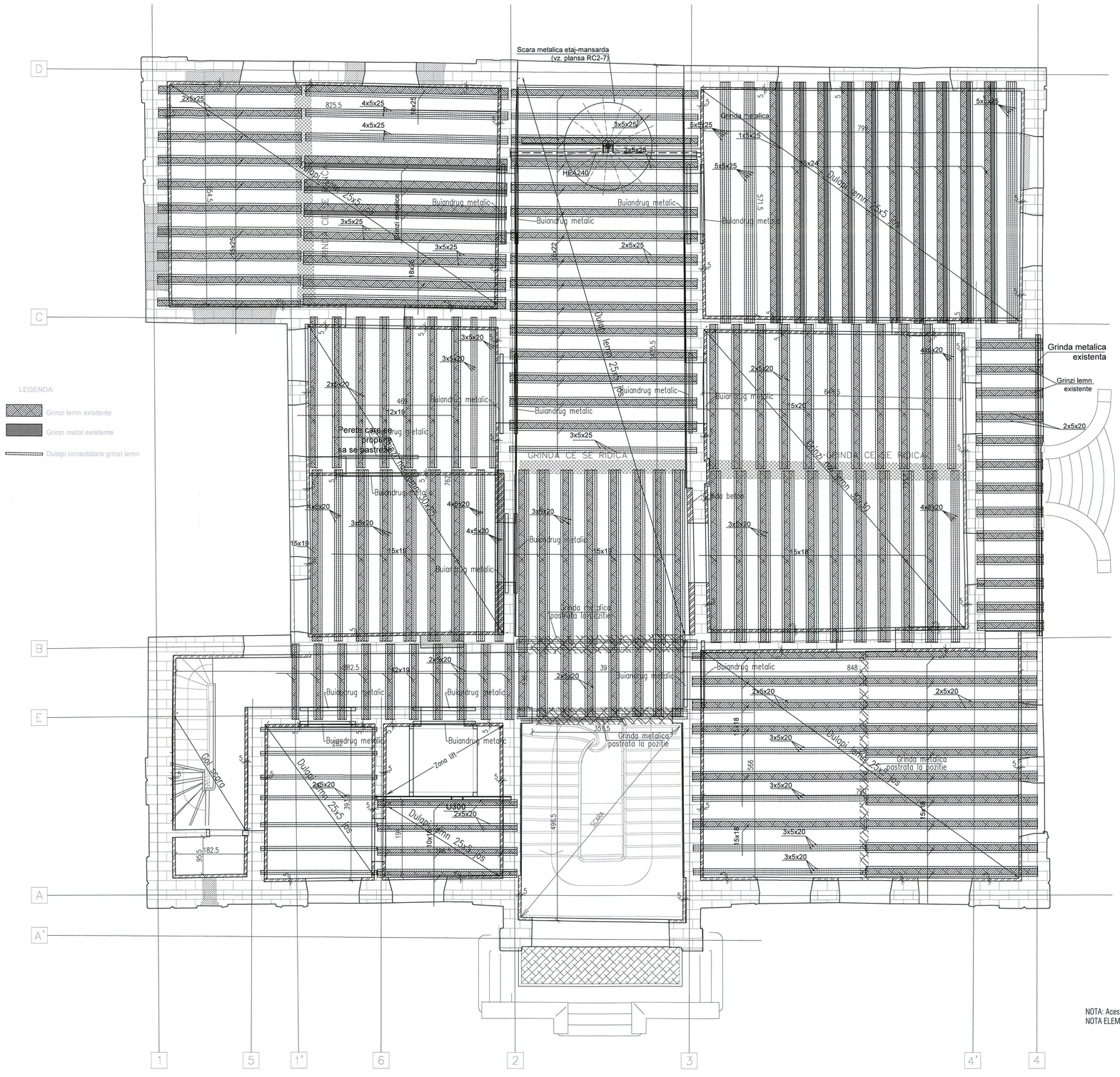
Pr. Nr. P046/2009 — Beneficiar: Universitatea Nationala de Arte Bucuresti — adresa: G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect
EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

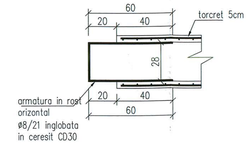
Sef proiect	ing. Mircea Neacsu	
Intocmit	ing. A.Pascu	
Verificat	ing. Mircea Neacsu	

Titlu Plansa
PLAN COFRAJ PESTE PARTER
CORP C2 - CONSOLIDARE PLANSEU
PARTE INFERIOARA

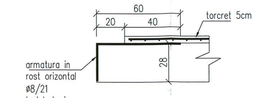
Faza PT+DE	Scara 1:20	Data	RC2-3.2



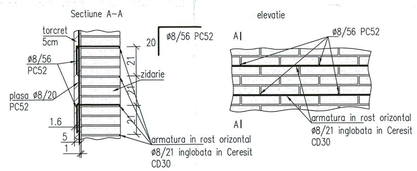
DETALIU CONSOLIDARE IN DREPTUL USILOR SI FERESTRELOR CU TORCRET PE AMBELE PARTI

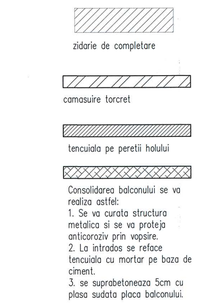


DETALIU CONSOLIDARE IN DREPTUL USILOR SI FERESTRELOR CU TORCRET PE O SINGURA PARTE



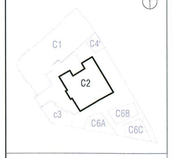
DETALIU POZITIONARE ARMATURA IN ROST ORIZONTAL





NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

Schema generala



BETON TORCRETAT:
a) Clasa : C20/25;
b) Ciment: CEM II/A-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC1;
e) Clasa de cloruri:Cl 02;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P4.

ARMATURI PENTRU BETON SREN 10080; STAS 438/1-89
S 255 C (OB 37);
S 355 C/ S 345 C(PC 52).

Proiectant general si de arhitectura

birou arhitectura
Str.Octavian, nr.27, sector3, Bucuresti,ROMANIA
Tel./Fax : 021 / 3267854, J40/2888 / 17.03.2003, R 15259910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan B 151 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel: 021 3217832
nr. J40/6663/2001 cod fiscal: R 14235586

Proiectant rezistenta

Incona
INCONA SRL Bucuresti
J40/6707/ 1991 ; R3013714
021 / 2111440

Proiectant instalatii

S.C. D&D EUROCOM S.R.L.
J40/14862/04, CUI:R16724370,
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29, sector 3, Bucuresti
Tel/Fax: 031/4251983, 031/4251981
e-mail: electrice@dideurocom.ro
website: www.dideurocom.ro

Specialitate

REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr.	Beneficiar	Universitatea Nationala de Arte Bucuresti
P046/2009	adresa	G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect

EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

Set proiect	ing. Mircea Neacsu	
Intocmit	ing. Andreea Pascu	
Verificat	ing. Mircea Neacsu	

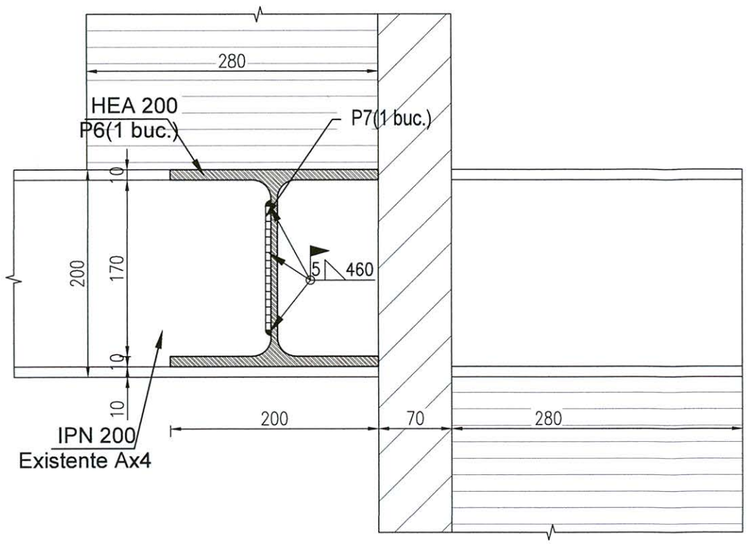
Titlu Plansa

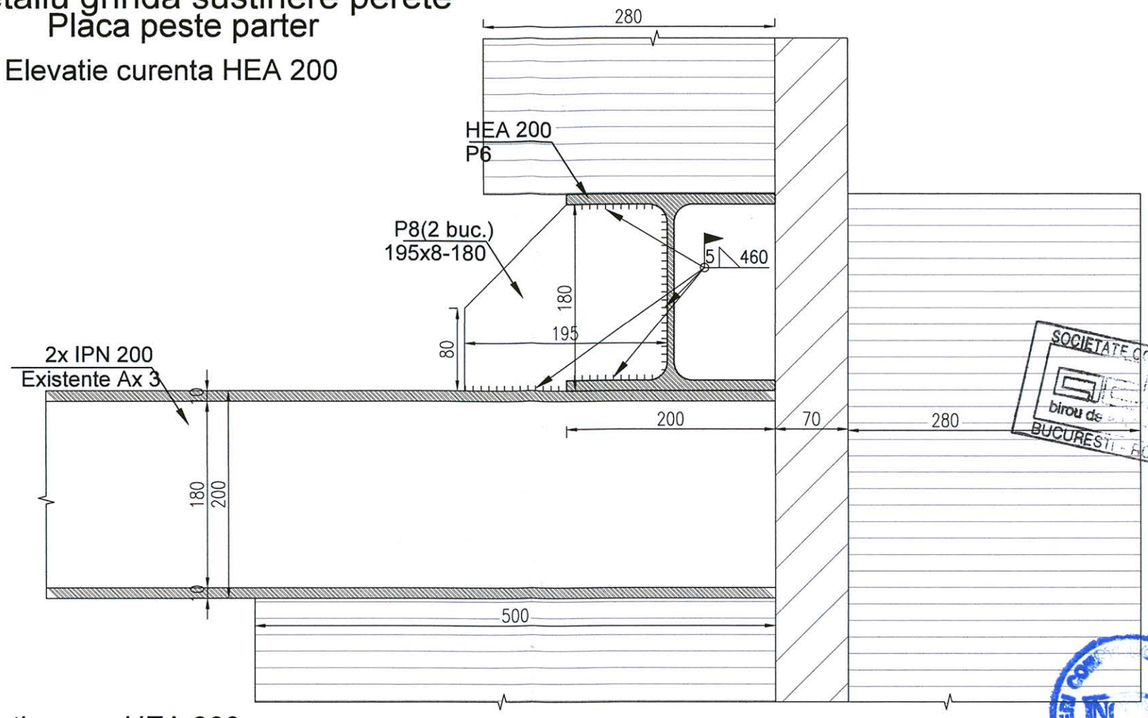
CONSOLIDARE PERETI SI GRINZI PARTER CORP C2

Faza	Scara	Data	
PT+DE REV.2	1:50/1:20	12.2016	RC2-3.3

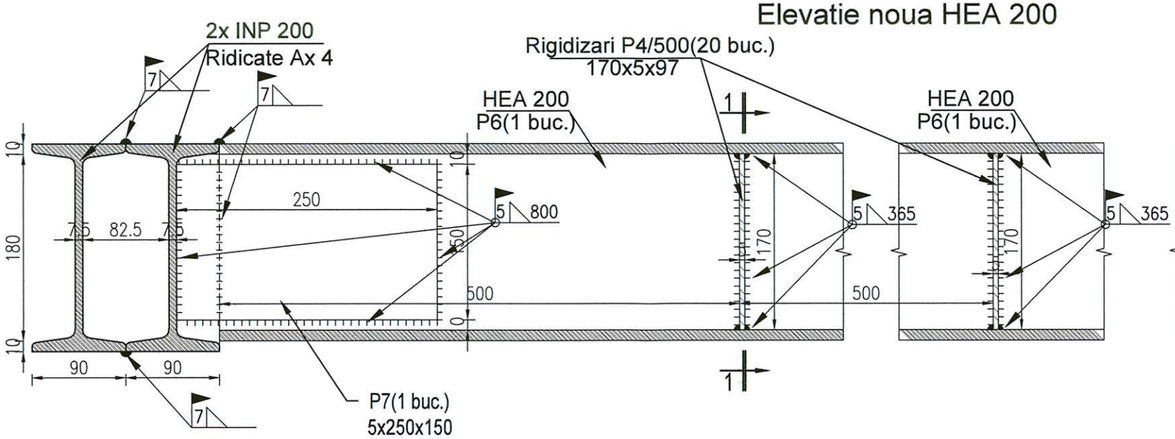
Detaliu grinda sustinere perete
Placa peste parter

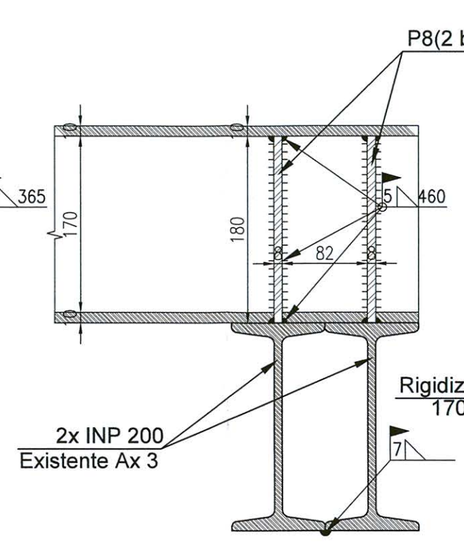
Elevatie curenta HEA 200

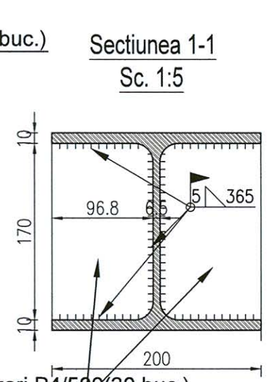




Elevatie noua HEA 200







EXTRASUL DE LAMINATE SE REGASESTE PE PLANUL RC2-2.5

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

BETON ARMAT IN FUNDATII:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC2;
e) Clasa de cloruri:Cl 02;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P8/10.

BETON SIMPLU EGALIZARI SI SUBBETONARI:
a) Clasa : C8/10
b) Ciment: CEM IIA-32,5R

CATEGORIA DE IMPORTANTA C -NORMALA

Proiectant general si de arhitectura

adn birou arhitectura
Str. Octavian, nr. 27, sector 3, Bucuresti, ROMANIA
Tel. / Fax : 021 / 3267954, J40 / 3968 / 17.03.2003, R 15293910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan 8 V51 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel 021 3217632
nr. J40/8663/2001 cod fiscal: R 14235686

Proiectant rezistenta

Incona
INCONA SRL Bucuresti
J40/6707/ 1991 ; R3013714
021 / 2111440

Proiectant instalatii

D&D €com
S.C. D&D EUROCOM S.R.L.
J40/14388/2004, CUI16742073,
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29, sector 3, Bucuresti
Tel/Fax: 031/4251982, 031/4251981
e-mail: electrice@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate

REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr.	Beneficiar	Universitatea Nationala de Arte Bucuresti
P046/2009	adresa	G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect

EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

Sef proiect	ing. M. Neacsu	
Desenat	ing. A. Constantin	
Verificat	ing. M. Neacsu	

Titlu Plansa

DETALIU GRINDA SUSTINERE PERETE PLACA PESTE PARTER CORP C2

Faza	Scara	Data	
PT+DE REV.2	1:5	12.2016	RC2-3.5

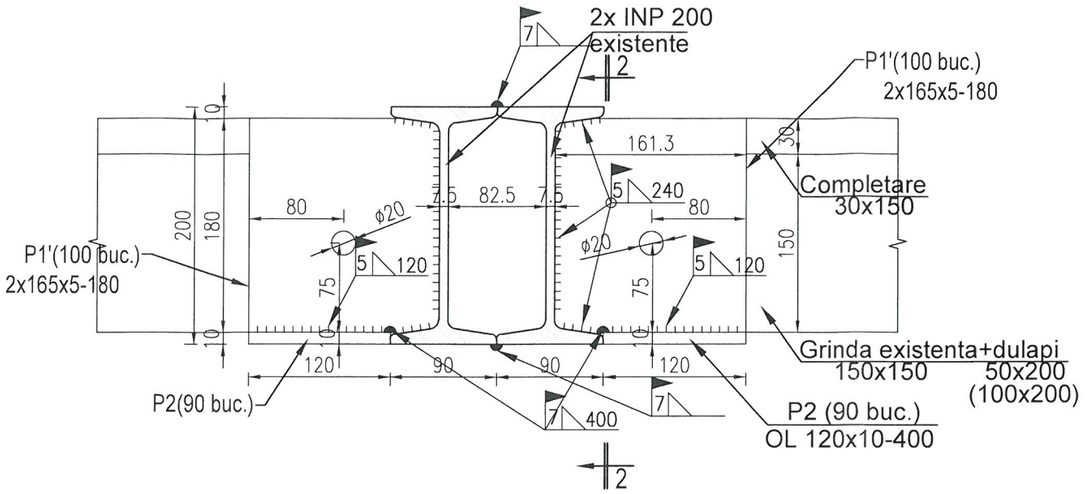
NEACȘU C.R. ION ROMANIA MLPAT NR. 05241 A1;A2 INGINER VERIFICATOR PROIECTE

Acest proiect este proprietatea ADN BA si acesta sa functioneaza legal, copyright-ul. El nu poate fi folosit in ansamblu sau in parti de catre orice cu aprobarea scrisa a proiectantului. Orice modificare aferenta a proiectului, facuta fara instiintarea si aprobarea scrisa a proiectantului, anuleaza pe aceasta de orice raspundere.

Rezemare grinzi de lemn pe grinda metalica IPN200
Planseu peste parter

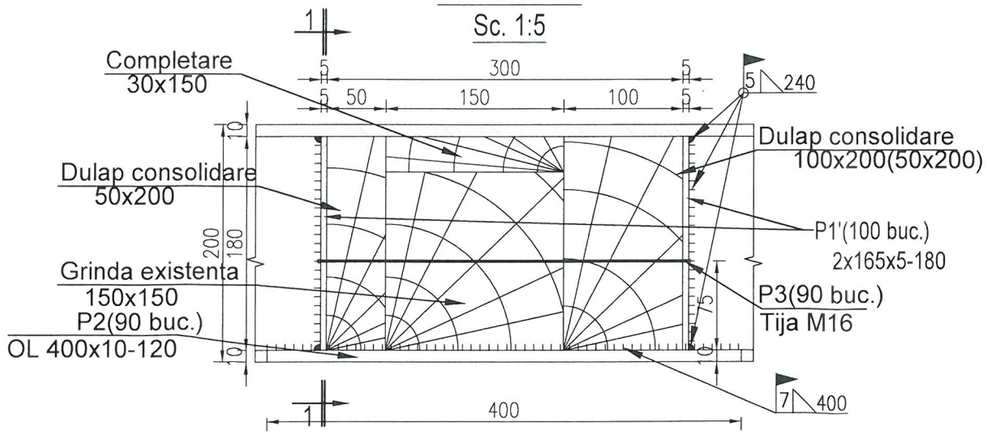
Sectiunea 1-1

Sc. 1:5



Sectiunea 2-2

Sc. 1:5



EXTRASUL DE LAMINATE SE REGASESTE PE PLANUL RC2-2.5

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

BETON ARMAT IN FUNDATII:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC2;
e) Clasa de cloruri:Cl 02;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P8/10.

BETON SIMPLU EGALIZARI SI SUBBETONARI:
a) Clasa : C8/10
b) Ciment: CEM IIA-32,5R

CATEGORIA DE IMPORTANTA C -NORMALA

Proiectant general si de arhitectura

birou arhitectura
Str. Octavian, nr. 27, sector 3, Bucuresti, ROMANIA
Tel. / Fax : 021 / 3267954. J40 / 3968 / 17.03.2003, R 15293910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan 8 V51 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel 021 3217632
nr. J40/8663/2001 cod fiscal: R 14235686

Proiectant rezistenta

Incona
INCONA SRL Bucuresti
J40/6707/ 1991 , R3013714
021 / 2111440

Proiectant instalatii

S.C. D&D EUROCOM S.R.L.
J40/14388/2004, CUI16742073,
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29, sector 3, Bucuresti
Tel/Fax: 031/4251982, 031/4251981
e-mail: electrice@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate

REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr.	Beneficiar	Universitatea Nationala de Arte Bucuresti
P046/2009	adresa	G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect

EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

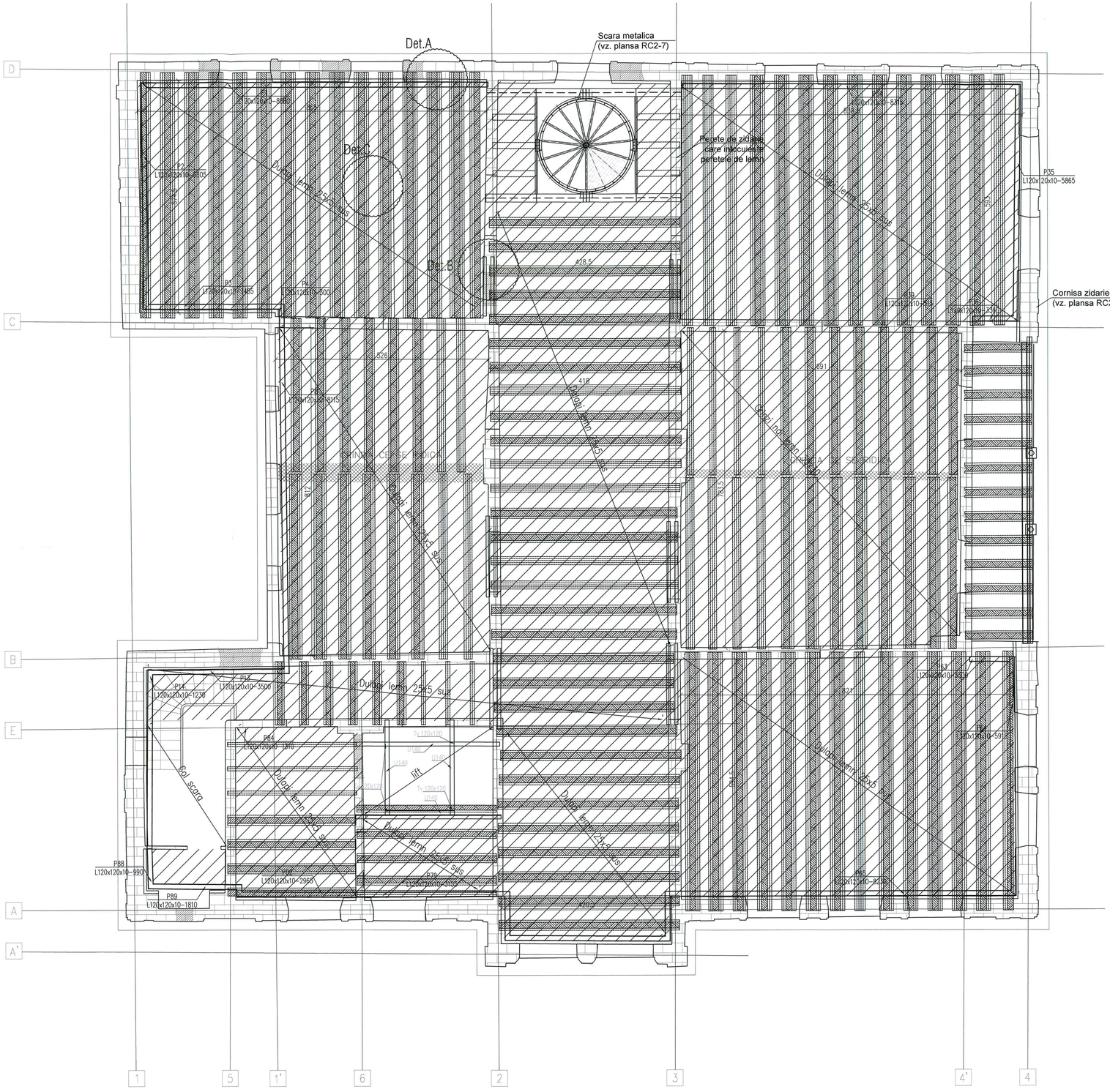
Sef proiect	ing. M. Neacsu	
Desenat	ing. A. Constantin	
Verificat	ing. M. Neacsu	

Titlu Plansa

REZEMARE GRINZI DE LEMN PE GRINDA METALICA IPN 200 PLANSEU PESTE PARTER CORP C2

Faza	Scara	Data	
PT - DE REV.2	1:5	12.2016	RC2-3.6

Acest proiect este proprietatea ATELIERULUI DE ARHITECTURA si nu poate fi folosit, reprodus sau copiat fara acordul scris al acestuia. Orice modificare ulterioara a proiectului, facuta fara notificarea si acordul scris al ATELIERULUI DE ARHITECTURA, duce la pierderea garantiei.


Det.A
Det.B
Det.C
Scara metalica
(vz. plansa RC2-7)
Pereţele din zidărie
sare inocuiesc în
pereţele de lemn
Cornisa zidarie
(vz. plansa RC2-4.5)
Dulapi lemn 25x5 sus
Dulapi lemn 25x5 jos
Sol scara
MINDRA CEZARE MIDIC
SACRIDA
P35
L120x120x10-5865
P1
L120x120x10-8405
P2
L120x120x10-8405
P3
L120x120x10-8405
P4
L120x120x10-8405
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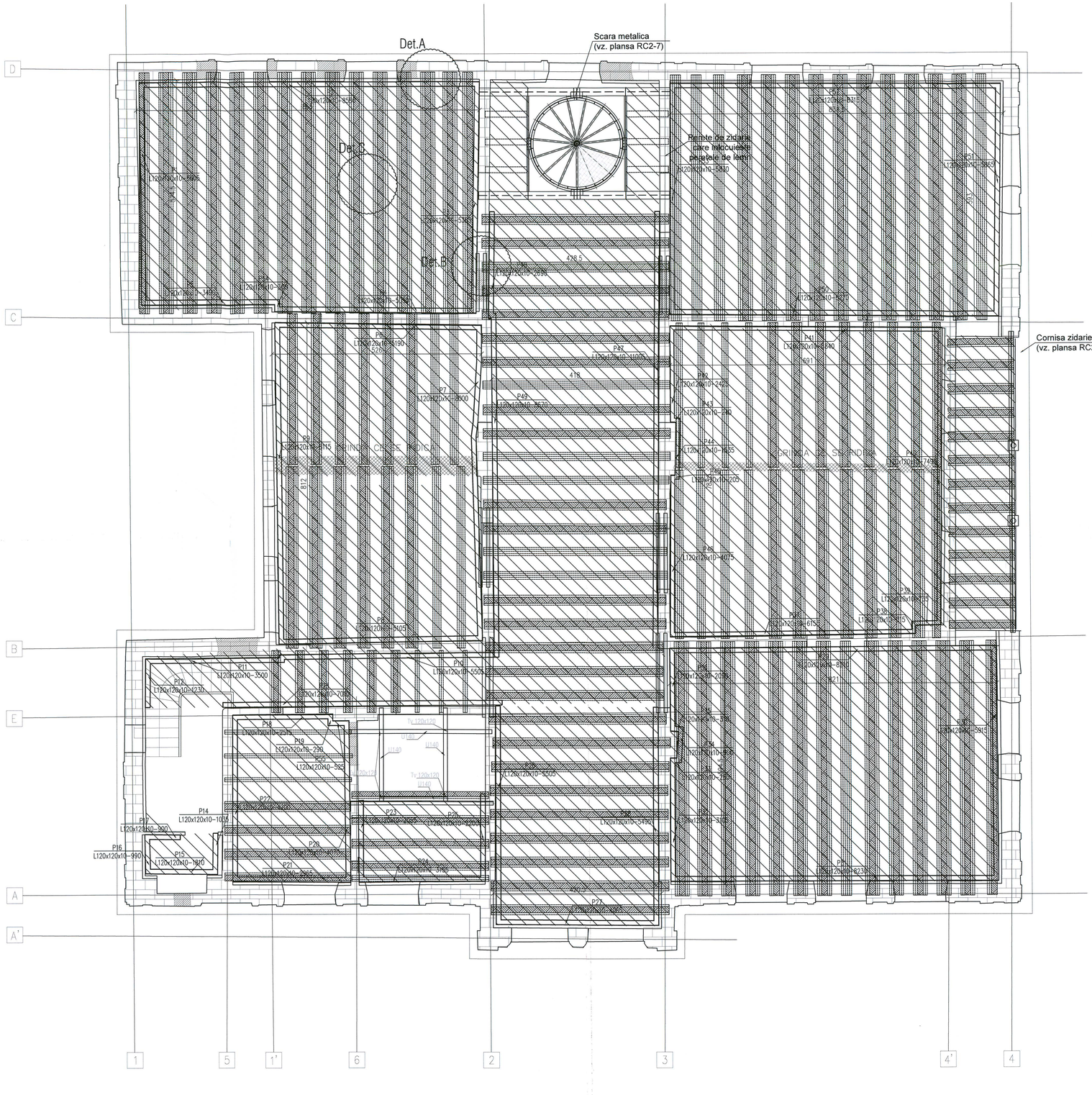
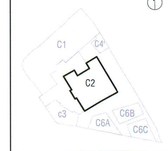
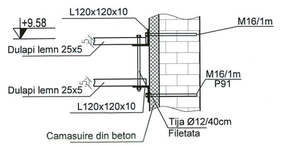
P110
L120x120x10-5210



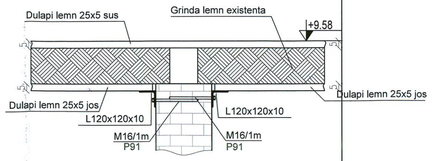
Schema generala



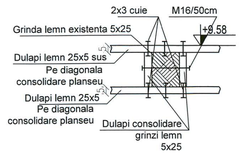
Detaliul A
scara 1:20



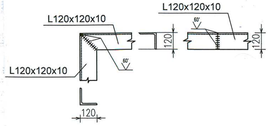
Detaliul B
scara 1:20



Detaliul C
scara 1:20



Detaliul de imbinare la intersectii
a corniclelor 120x120x10
scara 1:20



Extras laminate								
Poz.	Denumire piesa	Buc.	Sectiune (mm)	Lungime (mm)	Greutate kg/ml	Greutate kg/buc.	Calit. Mat.	Greutate totala
P1	profil	1	120 x120x10	5605	18,20	102,0		102,0
P2	profil	1	120 x120x10	8580	18,20	156,2		156,2
P3	profil	1	120 x120x10	5385	18,20	98,0		98,0
P4	profil	1	120 x120x10	5050	18,20	91,9		91,9
P5	profil	1	120 x120x10	3490	18,20	63,5		63,5
P6	profil	1	120 x120x10	5190	18,20	94,5		94,5
P7	profil	1	120 x120x10	8000	18,20	145,6		145,6
P8	profil	1	120 x120x10	5105	18,20	92,9		92,9
P9	profil	1	120 x120x10	8115	18,20	147,7		147,7
P10	profil	1	120 x120x10	5505	18,20	100,2		100,2
P11	profil	1	120 x120x10	3500	18,20	63,7		63,7
P12	profil	1	120 x120x10	1230	18,20	22,4		22,4
P13	profil	1	120 x120x10	7010	18,20	127,6		127,6
P14	profil	1	120 x120x10	1035	18,20	18,8		18,8
P15	profil	1	120 x120x10	1810	18,20	32,9		32,9
P16	profil	1	120 x120x10	990	18,20	18,0		18,0
P17	profil	1	120 x120x10	900	18,20	16,4		16,4
P18	profil	1	120 x120x10	2515	18,20	45,8		45,8
P19	profil	1	120 x120x10	290	18,20	5,3		5,3
P20	profil	1	120 x120x10	4070	18,20	74,1		74,1
P21	profil	1	120 x120x10	2965	18,20	54,0		54,0
P22	profil	1	120 x120x10	4200	18,20	76,4		76,4
P23	profil	1	120 x120x10	2055	18,20	37,4		37,4
P24	profil	1	120 x120x10	3155	18,20	57,4		57,4
P25	profil	1	120 x120x10	2200	18,20	40,0		40,0
P26	profil	1	120 x120x10	5505	18,20	100,2		100,2
P27	profil	1	120 x120x10	4065	18,20	74,0		74,0
P28	profil	1	120 x120x10	5495	18,20	100,0		100,0
P29	profil	1	120 x120x10	8210	18,20	149,4		149,4
P30	profil	1	120 x120x10	5915	18,20	107,7		107,7
P31	profil	1	120 x120x10	8230	18,20	149,8		149,8
P32	profil	1	120 x120x10	3105	18,20	56,5		56,5
P33	profil	1	120 x120x10	280	18,20	5,1		5,1
P34	profil	1	120 x120x10	900	18,20	16,4		16,4
P35	profil	1	120 x120x10	310	18,20	5,6		5,6
P36	profil	1	120 x120x10	2090	18,20	38,0		38,0
P37	profil	1	120 x120x10	6155	18,20	112,0		112,0
P38	profil	1	120 x120x10	315	18,20	5,7		5,7
P39	profil	1	120 x120x10	735	18,20	13,4		13,4
P40	profil	1	120 x120x10	7495	18,20	136,4		136,4
P41	profil	1	120 x120x10	6840	18,20	124,5		124,5
P42	profil	1	120 x120x10	2425	18,20	44,1		44,1
P43	profil	1	120 x120x10	240	19,20	4,6		4,6
P44	profil	1	120 x120x10	1535	20,20	31,0		31,0
P45	profil	1	120 x120x10	205	21,20	4,3		4,3
P46	profil	1	120 x120x10	4075	22,20	90,5		90,5
P47	profil	1	120 x120x10	11005	23,20	255,3		255,3
P48	profil	1	120 x120x10	2690	24,20	65,1		65,1
P49	profil	1	120 x120x10	8670	25,20	218,5		218,5
P50	profil	1	120 x120x10	8270	26,20	216,7		216,7
P51	profil	1	120 x120x10	5865	18,20	106,7		106,7
P52	profil	1	120 x120x10	8315	18,20	151,3		151,3
P53	profil	1	120 x120x10	5830	18,20	106,1		106,1
P54	profil	1	120 x120x10	300	18,20	5,5		5,5
P55	profil	1	120 x120x10	525	18,20	9,6		9,6
P56	tija	230	M 16	350	1,58	0,6		127,0
P57	tija filetata	575	ø 12	450	0,89	0,4		229,8
P58	profil	2	HEA 300	4700	88,30	415,0		830,0
P59	profil	1	U 300	3600	46,20	166,3		166,3
Total [kg]								5640
Electrozi 1.2% [kg]								67,7
Grund 0.4% [kg]								22,6
Total greutate [kg]								5730

S 235 JR (OL37 2)

BETON TORCRETAT:
a) Clasa : C20/25;
b) Ciment: CEM II/A-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC1;
e) Clasa de cloruri:Cl 02;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P4.

ARMATURI PENTRU BETON
SREN 10080; STAS 438/1-89
S 255 C (OB 37);
S 355 C/ S 345 C(PC 52).

NOTA: ACEST PLAN SE VA CITI IMPREUNA CU PLANUL RC2-4.2

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

SOCIETATE COMERCIALA
Centrul de arhitectura si design
BUCURESTI - ROMANIA

Proiectant general si de arhitectura
birou arhitectura
Str.,Ostavian, nr.,27, sector3, BucurestiROMANIA
Tel./ Fax : 021 / 3267954, J40 /3968 / 17.03.2003, R 15293910

Proiectant restaurare
opus/atelier de arhitectură
Calea Vitan 8 V51 sc.2 ap.42 031266 sector 3 Bucuresti
atelieropus@yahoo.com tel: 021 3217032
cr.: J40/6663/2001 cod fiscal: R 14295686

Proiectant rezistenta
INCONA SRL Bucuresti
J40/5727/ 1991 ; R3013714
021 / 2111440

Proiectant instalatii
S.C. D&D EUROCOM S.R.L.
J40/14386/2004, CUI16743273,
Matei Basarab 108, bl.74, sc. I, et.7, ap.29, sector 3, Bucuresti
Tel/Fax: 0314251982, 0314251981
e-mail: electrice@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate
REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Nr.	Beneficiar	Universitatea Nationala de Arte Bucuresti
7945/2009	adresa	G-ral Budisteanu, nr. 19, sect 1, Bucuresti

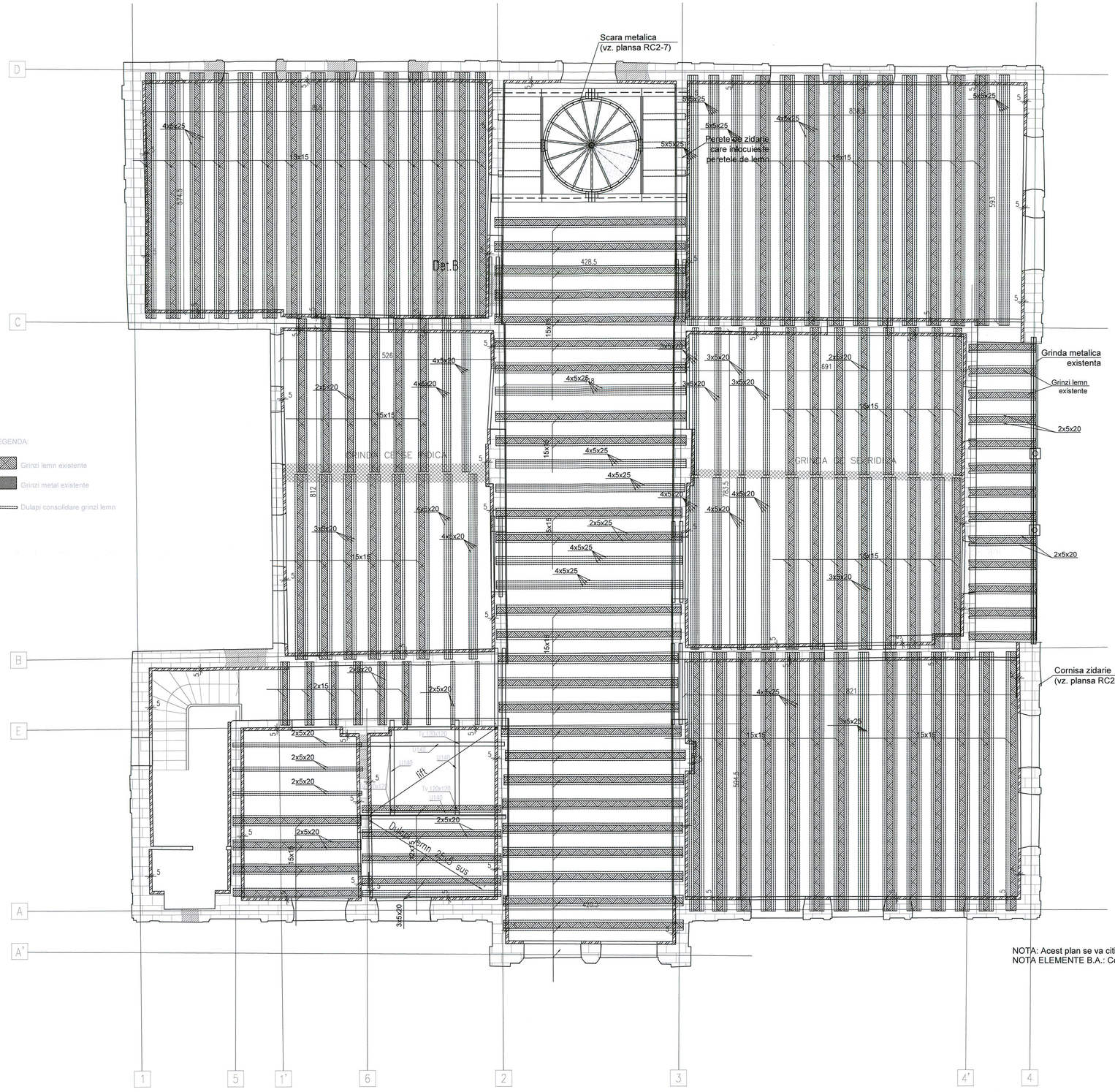
Titlu Proiect
EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

Sef proiect	ing. Mircea Neacsu
Intocmit	ing. Andreea Pascu
Verificat	ing. Mircea Neacsu

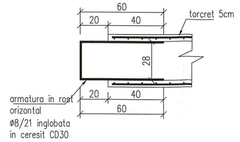
Titlu Plansa
PLAN COFRAJ PESTE ETAJ
CORP C2 - CONSOLIDARE PLANSEU PARTE INFERIOARA

Faza	Scara	Data	RC2-4.2
PT-DE	1:50;1:20	12.2016	
Rev.2			

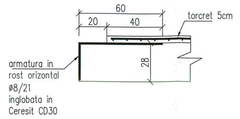
NEACSU GR ION
ROMANIA
MLPAT
NR. 05241
AI;A2
INGINER VERIFICATOR PROIECTE



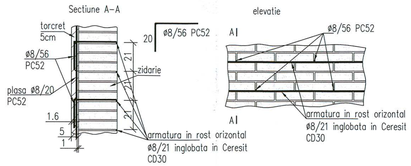
DETALIU CONSOLIDARE IN DREPTUL USILOR SI FERESTRELOR CU TORCRET PE AMBELE PARTI



DETALIU CONSOLIDARE IN DREPTUL USILOR SI FERESTRELOR CU TORCRET PE O SINGURA PARTE



DETALIU POZITIONARE ARMATURA IN ROST ORIZONTAL



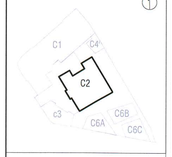
zidarie de completare

camasuire torcret

tencuiala pe peretii holului

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

Schema generala



BETON TORCRETAT:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC1;
e) Clasa de cloruri:Cl 0,2;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P4.

ARMATURI PENTRU BETON SREN 10080; STAS 438/1-89
S 255 C (OB 37);
S 355 C/ S 345 C(PC 52).
NOTA: ACEST PLAN SE VA CITI IMPREUNA CU PLANUL RC2-4.2

Toate drepturile asupra acestui proiect sunt rezervate conform legii. Este interzisa folosirea acestui proiect, in tot sau in parte, fara acordul scris al autorului.

Proiectant general si de arhitectura

SOCIETATE COMERCIALA ARHITECTURA BUCURESTI - ROMANIA
birou arhitectura
Str. Octavian, nr. 27, sector3, Bucuresti, ROMANIA
Tel. / Fax : 021 / 3267954, J40 / 3968 / 17.03.2003, R 15293910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan 8 V51 sc.2 ap.42 031296 sector 3 Bucuresti
stefanopus@yahoo.com tel. 021 3217632
nr. J40/6653/2001 cod fiscal: R 14250586

Proiectant rezistenta

Incona
INCONA SRL Bucuresti
J40/6707/1991 ; RO013714
021 / 2111440

Proiectant instalatii

D&D Eurocom
S.C. D&D EUROCOM S.R.L.
J40/14366/2004, CUI16743573,
Matei Basarab 108, bl.74, sc.1, et.7, ap.29,
sector 3, Bucuresti
Tel/Fax: 031/423/1982, 031/423/1981
e-mail: electrica@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate

REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr.	Beneficiar	Universitatea Nationala de Arte Bucuresti
P545/2009	adresa	G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect

EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

Sef proiect	ing. Mircea Neacsu	
Intocmit	ing. Andreea Pascu	
Verificat	ing. Mircea Neacsu	

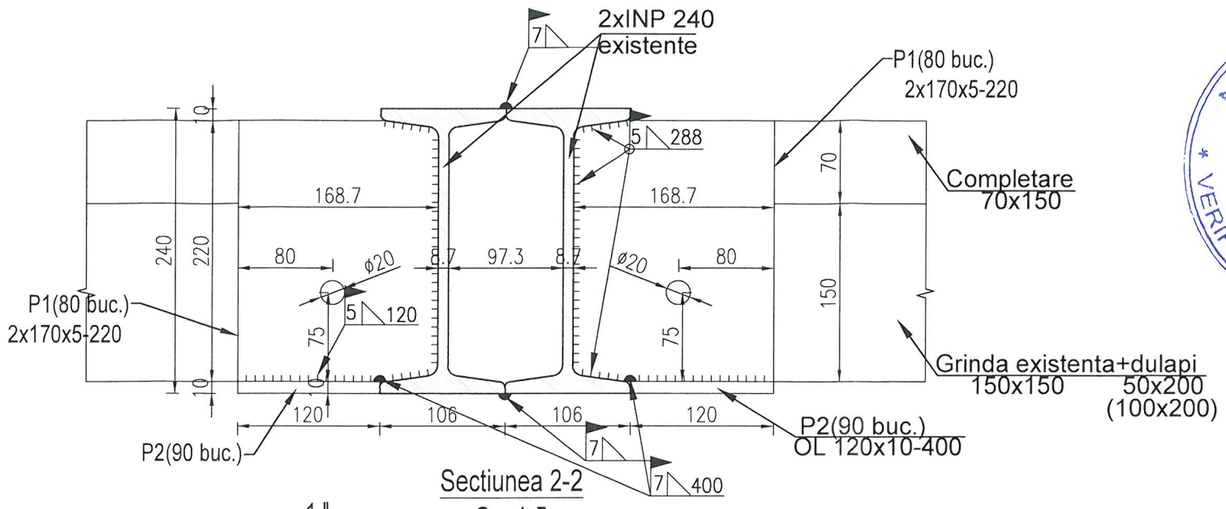
Titlu Plansa

CONSOLIDARE PERETI SI GRINZI ETAJ CORP C2

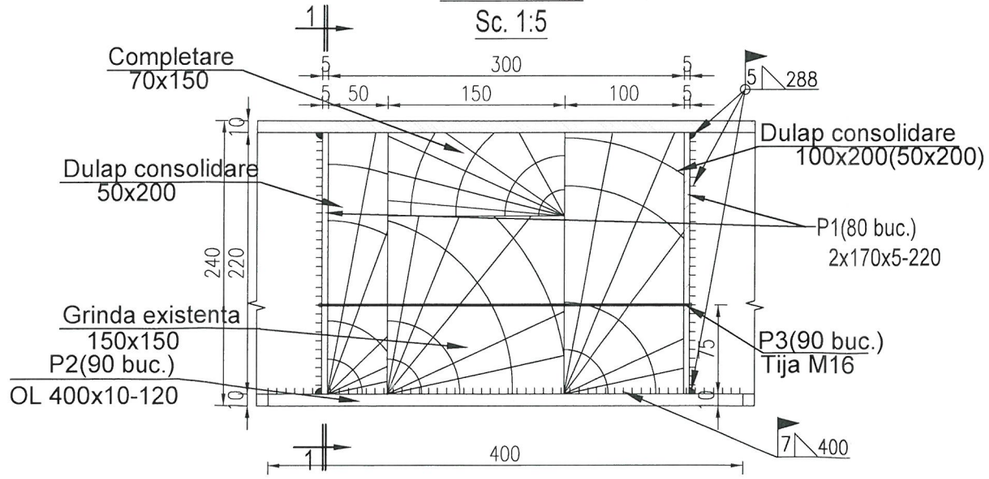
Faza	Scara	Data	
PT/DE/ DTAC	1:50/1:20	12.2016	RC2-4.3

Rezemare grinzi de lemn pe grinda metalica IPN240
Planseu peste etaj

Sectiunea 1-1
Sc. 1:5



Sectiunea 2-2
Sc. 1:5



EXTRASUL DE LAMINATE SE REGASESTE PE PLANUL RC2-2.5

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

BETON ARMAT IN FUNDATII:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC2;
e) Clasa de cloruri:Cl 02;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P8/10.

BETON SIMPLU EGALIZARI SI SUBBETONARI:
a) Clasa : C8/10
b) Ciment: CEM IIA-32,5R

CATEGORIA DE IMPORTANTA C
-NORMALA

Proiectant general si de arhitectura

birou arhitectura
Str. Octavian, nr. 27, sector 3, Bucuresti, ROMANIA
Tel. / Fax : 021 / 3267954, J40 / 3968 / 17.03.2003, R 15293910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan 8 V51 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel 021 3217632
nr. J40/8663/2001 cod fiscal R 14235686

Proiectant rezistenta

Incona
INCONA SRL Bucuresti
J40/6707/ 1991 ; R3013714
021 / 2111440

Proiectant instalatii

D&D €com
S.C. D&D EUROCOM S.R.L.
J40/14388/2004, CUI16742073.
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29, sector 3, Bucuresti
Tel/Fax: 031/4251982, 031/4251981
e-mail: electrice@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate

REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr. P046/2009

Beneficiar Universitatea Nationala de Arte Bucuresti
adresa G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect

EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

Sef proiect	ing. M. Neacsu	
Desenat	ing. A. Constantin	
Verificat	ing. M. Neacsu	

Titlu Plansa

REZEMARE GRINZI DE LEMN PE GRINDA METALICA IPN 240 PLANSEU PESTE ETAJ CORP C2

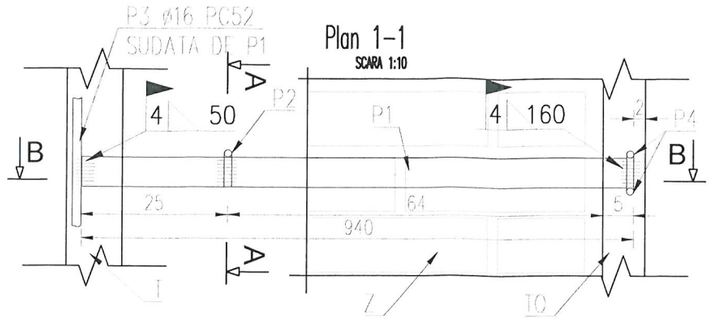
Faza PT- DE REV.2	Scara 1:5	Data 12.2016	RC2-4.4

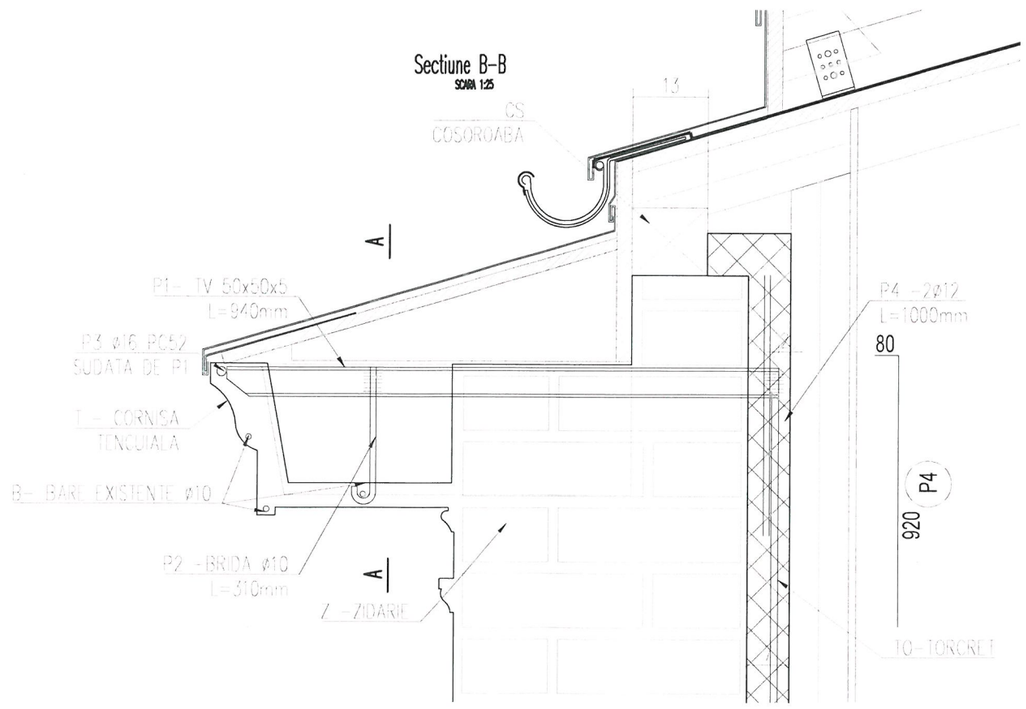
NEACȘU GR. ION ROMANIA MLPAT NR. 05241 AV.A2 INGINER VERIFICATOR PROIECTE

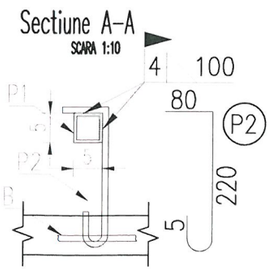
INGINERI CONSILIERI AMERICANI

Acest proiect este proprietatea ADN si nu poate fi folosit in intregime sau in parte fara acordul scris al ADN. Orice modificare efectuata pe proiectului, fie ca este inscrisa pe desen sau nu, va fi semnalata si va constitui o incalcare a Legii Drepturilor de Autor. Toate drepturile rezervate. Copyright ADN.

DETALIU CONSOLIDARE CORNISA RABIT







EXTRAS DE MATERIAL CORNISA CU PLASA DE RABIT

Pozitie	Sectiune	Lungime [mm]	Nr.buc./elem	Masa [Kg] kg/ml	kg/buc	kg/elem	Calitate material
P1	Tv 50x50x5	940	62	6,56	6,166	382,32	S235JR laminate PC52 bare otel
P2	Brida Ø10	310	62	0,62	0,191	11,85	
P3	Bara Ø16	31000	1	1,58	48,93	48,93	
P4	Bara Ø12	1000	124	0,89	0,89	110,09	
TOTAL						581	kg

Lungimile la P1-P4 se vor masura la fata locului.
Lungimi cornisa cu plasa de rabit:

- Latura de vest - 8m;
- Latura de nord - 15m;
- Latura de sud - 8m.

NOTA: Acest plan se va citi impreuna cu planurile de arhitectura aferente. Orice neconcordanta va fi semnalata proiectantului inainte de executie.
NOTA ELEMENTE B.A.: Cofraje calitatea I - textura si specificatii executie cf. caietelor de sarcini arhitectura: "Lucrari de betoane"

DETALIU CONSOLIDARE CORNISA ZIDARIE

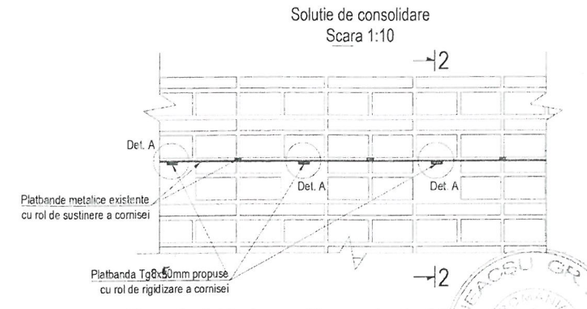
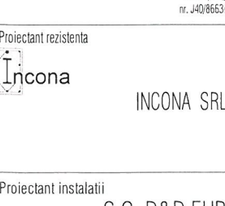
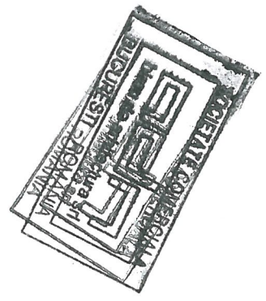


Figura 1 – Soluţie de consolidare – vedere frontală

Figura 2 – Soluţie de consolidare – detaliu prindere platbandă metalică nouă de cele existente





BETON ARMAT IN FUNDATII:
a) Clasa : C20/25;
b) Ciment: CEM IIA-32,5R;
c) Consistenta:S3;
d) Clase de expunere:XC2;
e) Clasa de cloruri:Cl 02;
f) Diametrul maxim al agregatelor:Dmax = 32mm;
g) Acoperirea armaturii: Cf. proiect;
h) Grad de impermeabilitate: P8/10.

BETON SIMPLU EGALIZARI SI SUBBETONARI:
a) Clasa : C8/10
b) Ciment: CEM IIA-32,5R

CATEGORIA DE IMPORTANTA C -NORMALA

Proiectant general si de arhitectura

birou arhitectura
Str. Octavian, nr. 27, sector 3, Bucuresti ROMANIA
Tel. / Fax : 021 / 3267954, J40 / 3968 / 17.03.2003, R 15293910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan 8 V51 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel 021 3217632
nr. J40/8663/2001 cod fiscal: R 14236686

Proiectant rezistenta

Incona
INCONA SRL Bucuresti
J40/6/07/1991 ; R3013714
021 / 2111440

Proiectant instalatii

S.C. D&D EUROCOM S.R.L.
J40/14388/2004, CUI16742073,
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29,
sector 3, Bucuresti
Tel/Fax: 031/4251982, 031/4251981
e-mail: electrice@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate

REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr.	Beneficiar	Universitatea Nationala de Arte Bucuresti
P046/2009	adresa	G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect

EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

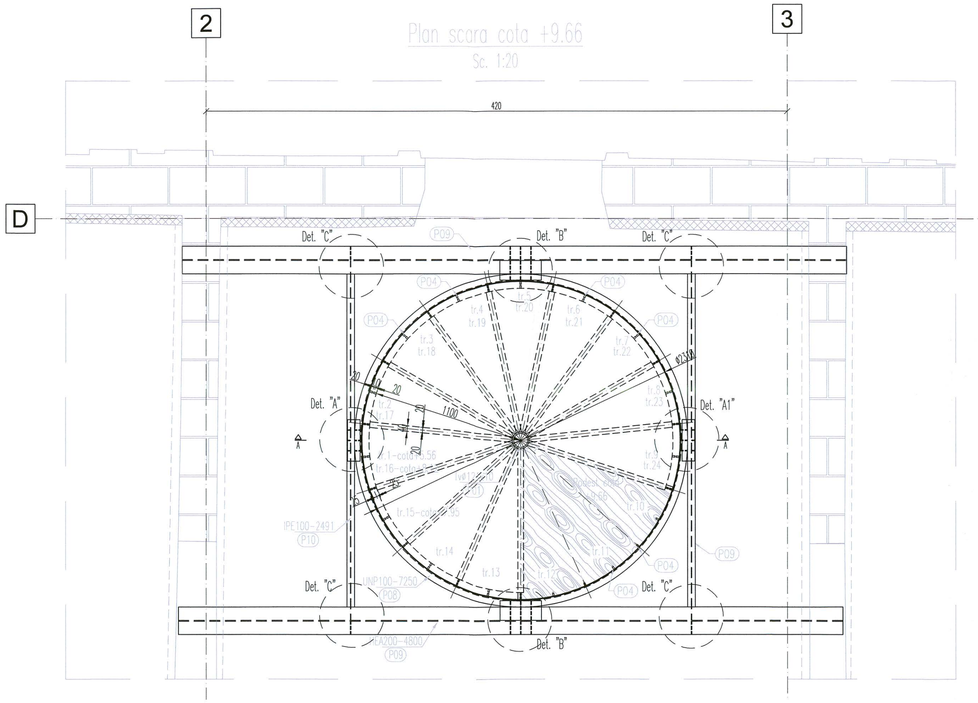
Sef proiect	ing. M. Neacsu
Desenat	ing. S. Bobei
Verificat	ing. M. Neacsu

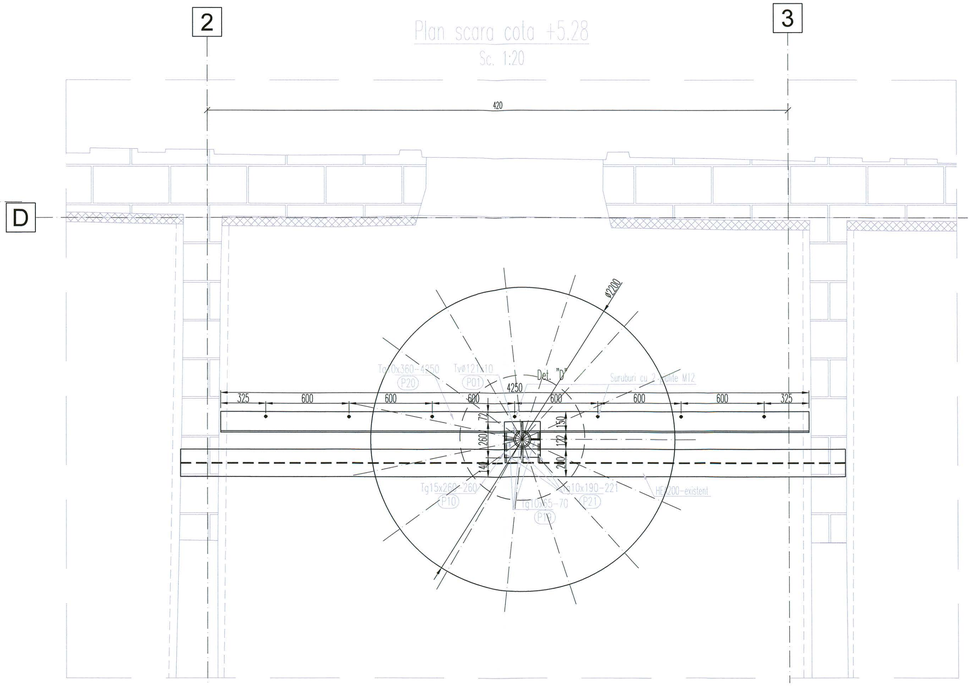
Titlu Plansa

DETALII CONSOLIDARE CORNISA CORP C2.EXTRAS

Faza	Scara	Data	
PT-DE REV.2	1:2.5	12.2016	RC2-4.5

Acest proiect este proprietatea ADN BA si apartine de drept autorului. Folosirea lui in parte sau in intregime fara acordul scris al ADN BA constituie incalcarea legii dreptului de autor. Orice modificare ulterioara a proiectului, facuta fara acordul scris al ADN BA, duce la pierderea garantiei si a responsabilitatii proiectantului.





NOTA:

-La executia structurii se vor respecta prevederile din caietul de sarcini anexat la documentatie.

-Clasa de importanta "C"-normala.

-Confectia metalica se va proteja anticoroziv si la foc.

-Acolo unde nu este specificat, grosimea sudurii de imbinare intre doua elemente va fi $0.7t_{min}$, unde t_{min} este grosimea minima a pieselor aflate in contact;

-Toate cotele (dimensiunile) se vor verifica de catre firma executanta inainte de debitarea elementelor si inceperea lucrarilor, iar diferentele constatate se vor clarifica

cu proiectantul de structura;

-Toate dimensiunile de baza se vor determina la fata locului in functie de pozitia buloanelor de ancoraj;

-Modificarile sunt permise numai cu aprobarea si acordul scris al proiectantului.

-Planurile se citesc impreuna cu plansele de Arhitectura.

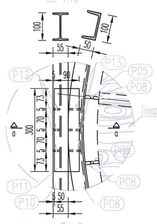
MATERIALE:

Otel: S235 JR

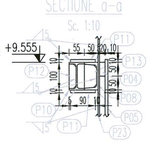
EXTRAS LAMINATE

Pozitie	Sectiune	Lungime [mm]	Nr.buc./elem.	Masa [Kg] kg/m	kg/buc	kg/elem	Calitate material
P01	TvΦ121x10	4365	1	27.40	119.60	119.60	
P02	Tg10x575	1054	24	45.14	47.57	1141.80	
P03	Tg10x40	481	24	3.14	1.51	36.25	
P04	Tg10x20	50	102	1.57	0.08	8.01	
P05	Otel rotund Φ10	93000	1	0.62	57.34	57.34	
P06	Tg10x1146	1465	1	89.96	131.79	131.79	
P07	Tg10x40	1465	1	3.14	4.60	4.60	
P08	UNP100	7250	1	10.60	76.85	76.85	
P09	HEA200	4800	2	42.30	203.04	406.08	
P10	IPE100	2603	2	8.10	21.08	42.17	
P11	Tg10x90	300	4	7.07	2.12	8.48	
P12	Tg5x25	88	6	0.98	0.09	0.52	S235JR
P13	Tg5x44	87	12	1.73	0.15	1.80	
P14	Tg10x142	300	4	11.15	3.34	13.38	
P15	Tg5x70	142	6	2.75	0.39	2.34	
P16	Tg5x97	170	10	3.81	0.65	6.47	
P17	Tg5x80	96	4	3.14	0.30	1.21	
P18	Tg15x260	260	1	30.62	7.96	7.96	
P19	Tg10x65	70	4	5.10	0.36	1.43	
P20	Tg10x360	4250	1	28.26	120.11	120.11	
P21	Tg10x190	221	1	14.92	3.30	3.30	
P22	Tg 5-Φ130		1		0.52	0.52	
P23	Tg5x2000	5765	1	78.50	452.55	452.55	
P23a	Tg5x720	1492	1	28.26	42.16	42.16	
	TOTAL					2687	kg
	ELECTROZI (1,5%)					41	kg
	GRUND (0,4%)					11	kg
	TOTAL/1buc					**2739**	kg

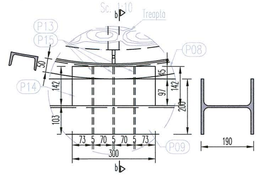
DETALIU "A"-1buc
Sc. 1:10



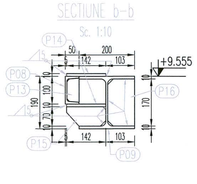
SECTIUNE a-a
Sc. 1:10



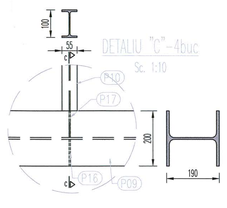
DETALIU "B"-2buc
Sc. 1:10



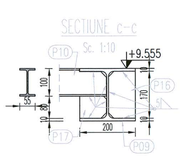
SECTIUNE b-b
Sc. 1:10



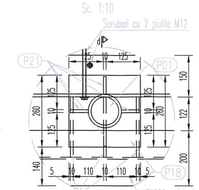
DETALIU "C"-4buc
Sc. 1:10



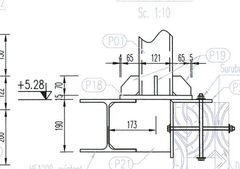
SECTIUNE c-c
Sc. 1:10



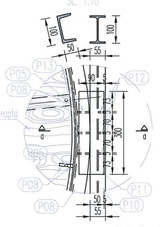
DETALIU "D"-1buc
Sc. 1:10



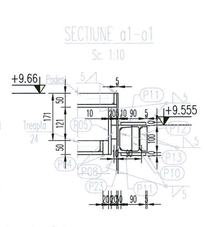
SECTIUNE d-d
Sc. 1:10



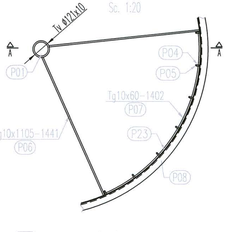
DETALIU "A1"-1buc
Sc. 1:10



SECTIUNE a1-a1
Sc. 1:10

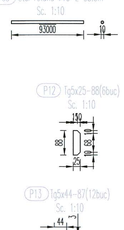


Detaliu podest cota +9.66-1buc
Sc. 1:20



P04 1g10x20-50(102buc)
Sc. 1:10

P05 (Otel rotund Φ10-L=93.0m
Sc. 1:10

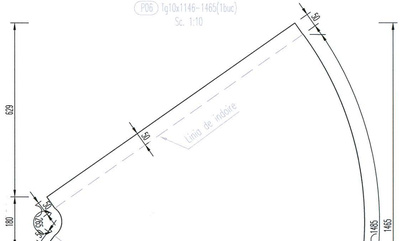


P12 Tg5x25-88(6buc)
Sc. 1:10

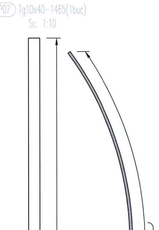
P11 Tg10x90-300(4buc)
Sc. 1:10

P13 Tg5x44-87(12buc)
Sc. 1:10

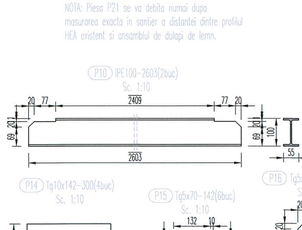
P06 1g10x1146-1465(1buc)
Sc. 1:10



P07 Tg10x40-1465(1buc)
Sc. 1:10



P10 IPE100-2603(2buc)
Sc. 1:10

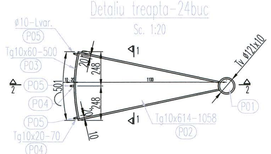


P14 Tg10x142-300(4buc)
Sc. 1:10

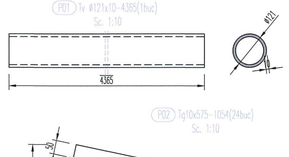
P15 Tg5x70-142(6buc)
Sc. 1:10

P16 Tg5x97-170(10buc)
Sc. 1:10

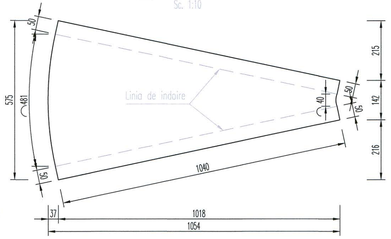
Detaliu treapta-24buc
Sc. 1:20



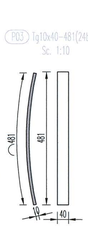
P01 1v Φ121x10-4385(1buc)
Sc. 1:10



P02 1g10x575-1054(24buc)
Sc. 1:10



P03 Tg10x40-481(24buc)
Sc. 1:10



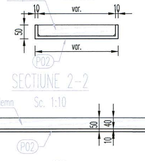
P17 Tg5x80-96(4buc)
Sc. 1:10

P18 Tg15x260-260(1buc)
Sc. 1:10

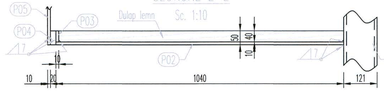
P19 Tg10x65-70(4buc)
Sc. 1:10

P21 Tg10x190-221(1buc)
Sc. 1:10

SECTIUNE 1-1
Sc. 1:10

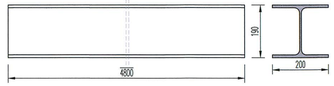


SECTIUNE 2-2
Sc. 1:10



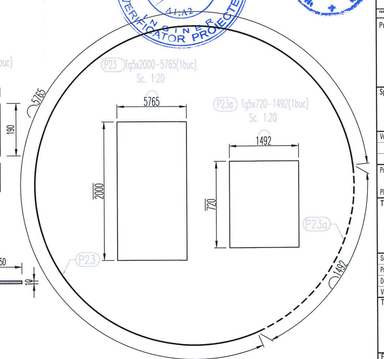
P08 UNP100-7250(1buc)
Sc. 1:10

P09 HEA200-4800(2buc)
Sc. 1:10



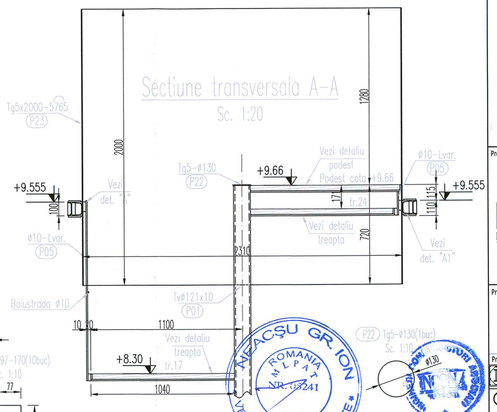
P20 Tg10x360-4250(1buc)
Sc. 1:10

P23 Tg5x2000-5765(1buc)
Sc. 1:20

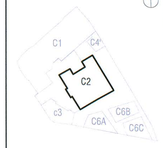


P23a Tg5x720-1492(1buc)
Sc. 1:20

Sectiune transversala A-A
Sc. 1:20



Schema generala



Proiectant general si de arhitectura

adn birou arhitectura
Str.Octavian, nr.27, sector3, Bucuresti,ROMANIA
Tel./Fax : 021 / 3267954, 040 / 3968 / 17.01.2003, R 35299910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan-B V51 sc.2 ap.42 031296 sector 3 Bucuresti
atelieropus@yahoo.com tel 021.3237632
nr.J40/8683/2002 cod fiscal: R 14230686

Proiectant rezistenta

incona
INCONA SRL Bucuresti
J40/8707/1991 ; R3013714
021/ 3315440

Proiectant instalatii

S.C. D&D EUROCOM S.R.L.
J03/14289/2004, CUI:16742073,
Matei Basarab 109, bl.74, sc.1, et.2, ap.29,
sector 3, Bucuresti
Tel/Fax: 031/4251982, 031/4251981
e-mail: electrice@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate

REZISTENTA

Verificator / Expert	Semnatura	Cerinta	Referat

Pr. Nr. P046/2009

Beneficiar: Universitatea Nationala de Arte Bucuresti

adresa: G-ral Budisteanu, nr. 19, sect 1, Bucuresti

Titlu Proiect

EXTINDERE SI REMODELARE FUNCTIONALA SEDIUL UNIVERSITATII NATIONALE DE ARTE BUCURESTI, str. General Budisteanu 19

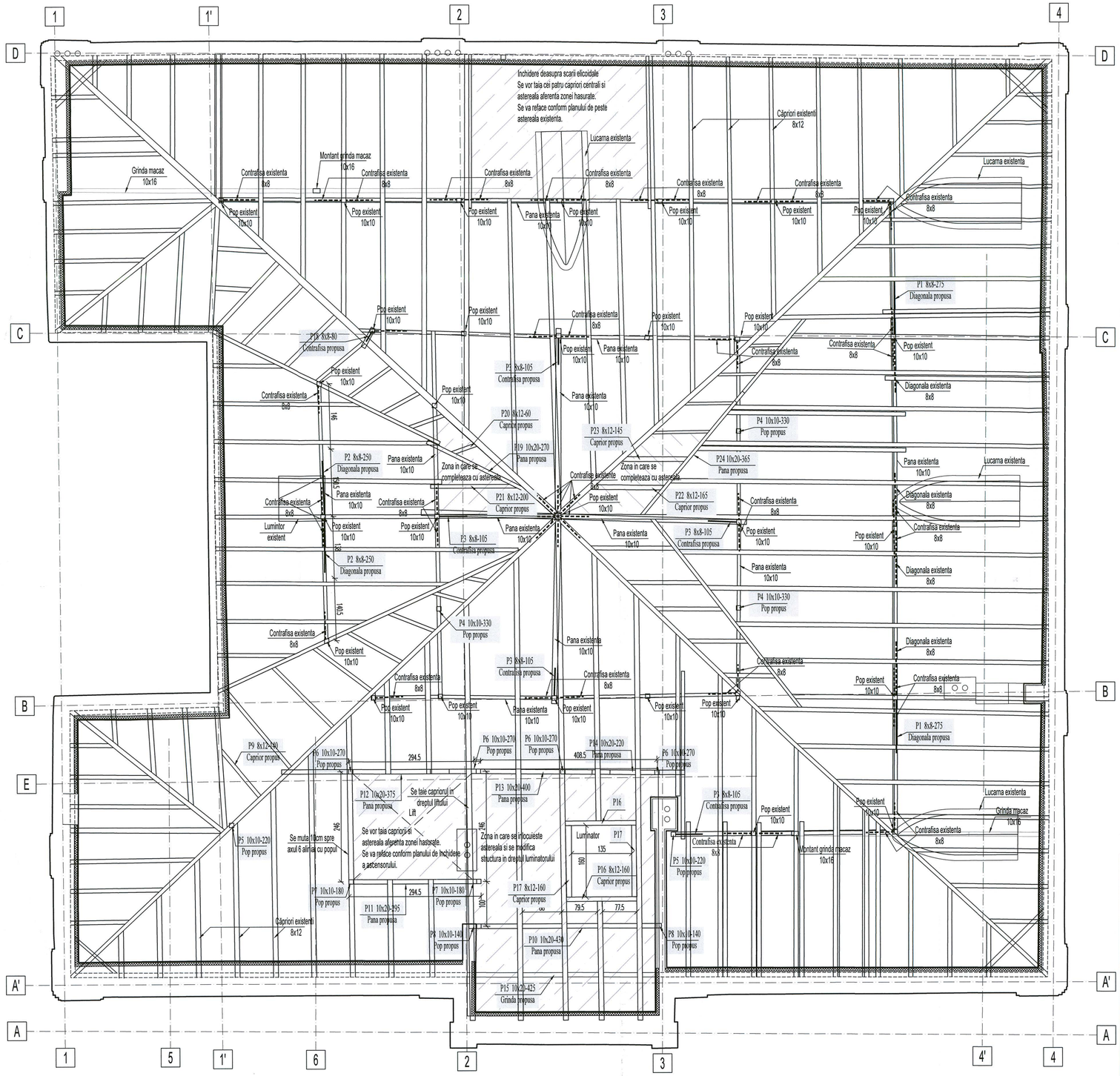
Sef proiect	ing. Mircea Neacsu	
Proiectat	ing. Ionut Falcescu	
Desenat	ing. Ionut Falcescu	
Verificat	ing. Mircea Neacsu	

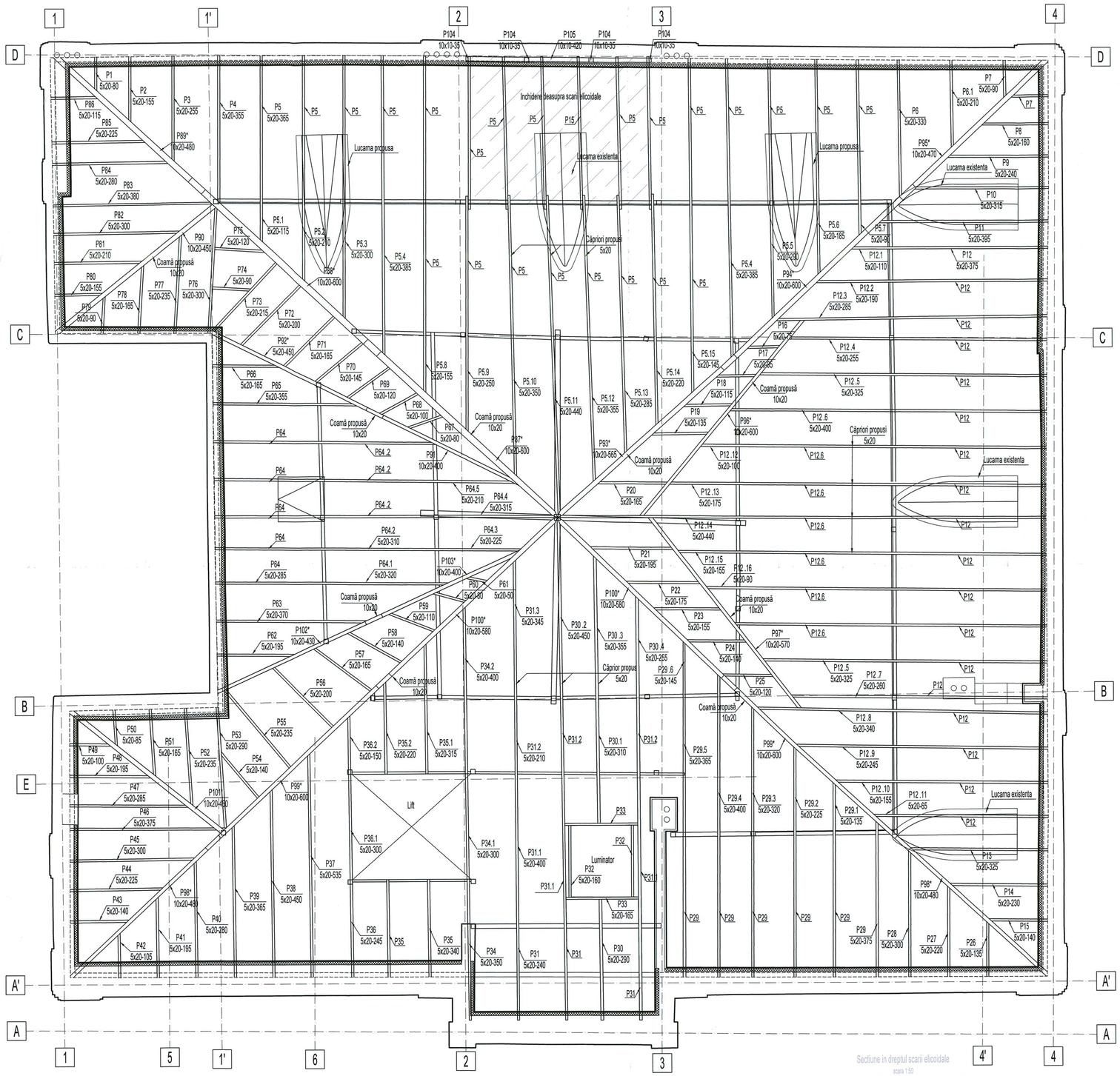
Titlu Plansa

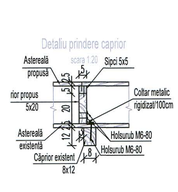
PLAN STRUCTURA METALICA SCARA ETAJ CORP C2

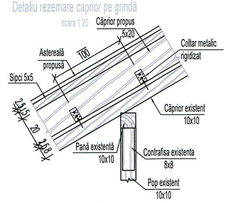
Faza	Scara	Data	
PT-DE RECZ	1:20/1:10	11.2016	RC2-7

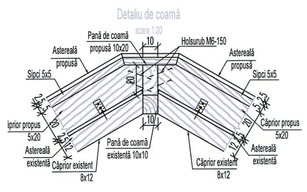
NEACȘU GR.ION ROMANIA INLPAT VR. 1a241 41A2 VERIFICATOR PROIECTE
ORDINUL ARHITECȚILOR ROMÂNIEI
SOCIETATEA ACADEMICĂ ARHITECTURA
UAR

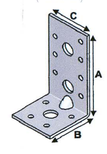

1
1'
2
3
4
A
A'
B
C
D
E
5
6
Inchidere deasupra scarii elicoidale
Se vor taia cei patru capriori centrali si astereala aferenta zonei hasurate.
Se va reface conform planului de peste astereala existenta.
Grinda macaz 10x16
Montant grinda macaz 10x16
Lucarna existenta
Capriori existenti 8x12
Contrafisa existenta 8x8
Pop existent 10x10
Pana existenta 10x10
P1 8x8-275 Diagonala propusa
P2 8x8-250 Diagonala propusa
P3 8x8-105 Contrafisa propusa
P4 10x10-330 Pop propus
P5 10x10-220 Pop propus
P6 10x10-270 Pop propus
P7 10x10-180 Pop propus
P8 10x10-140 Pop propus
P9 8x12-240 Caprior propus
P10 10x20-430 Pana propusa
P11 10x20-295 Pana propusa
P12 10x20-375 Pana propusa
P13 10x20-400 Pana propusa
P14 10x20-220 Pana propusa
P15 10x20-425 Grinda propusa
P16 8x12-160 Caprior propus
P17 8x12-160 Caprior propus
P19 10x20-270 Pana propusa
P20 8x12-60 Caprior propus
P21 8x12-200 Caprior propus
P22 8x12-165 Caprior propus
P23 8x12-145 Caprior propus
P24 10x20-365 Pana propusa
Diagonala existenta 8x8
Lumina existenta
Lumina existenta
Lumina existenta

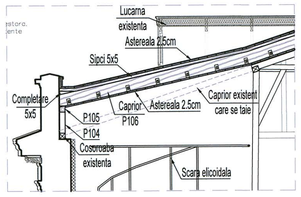












Extras lemn dispus peste astereala existenta					
Nr. Poz./Ele	Denumire piesa	Buc.	Sectiune (cm)	Lungime (cm)	Mat.
P1	caprior	1	5x20	80	
P2	caprior	1	5x20	155	
P3	caprior	1	5x20	255	
P4	caprior	1	5x20	355	
P5	caprior	24	5x20	365	
P5.1	caprior	1	5x20	115	
P5.2	caprior	1	5x20	210	
P5.3	caprior	1	5x20	300	
P5.4	caprior	2	5x20	385	
P5.5	caprior	1	5x20	290	
P5.6	caprior	1	5x20	185	
P5.7	caprior	1	5x20	90	
P5.8	caprior	1	5x20	155	
P5.9	caprior	1	5x20	250	
P5.10	caprior	1	5x20	350	
P5.11	caprior	1	5x20	440	
P5.12	caprior	1	5x20	355	
P5.13	caprior	1	5x20	285	
P5.14	caprior	1	5x20	220	
P5.15	caprior	1	5x20	145	
P6	caprior	1	5x20	330	
P6.1	caprior	1	5x20	210	
P7	caprior	2	5x20	90	
P8	caprior	1	5x20	160	
P9	caprior	1	5x20	240	
P10	caprior	1	5x20	315	
P11	caprior	1	5x20	395	
P12	caprior	18	5x20	375	
P12.1	caprior	1	5x20	110	
P12.2	caprior	1	5x20	190	
P12.3	caprior	1	5x20	285	
P12.4	caprior	1	5x20	255	
P12.5	caprior	2	5x20	325	
P12.6	caprior	7	5x20	400	
P12.7	caprior	1	5x20	260	
P12.8	caprior	1	5x20	340	
P12.9	caprior	1	5x20	245	
P12.10	caprior	1	5x20	155	
P12.11	caprior	1	5x20	65	
P12.12	caprior	1	5x20	100	
P12.13	caprior	1	5x20	175	
P12.14	caprior	1	5x20	440	
P12.15	caprior	1	5x20	155	
P12.16	caprior	1	5x20	90	
P13	caprior	1	5x20	325	
P14	caprior	1	5x20	230	
P15	caprior	1	5x20	140	
P16	caprior	1	5x20	75	
P17	caprior	1	5x20	95	
P18	caprior	1	5x20	115	
P19	caprior	1	5x20	135	
P20	caprior	1	5x20	165	
P21	caprior	1	5x20	195	
P22	caprior	1	5x20	175	
P23	caprior	1	5x20	155	
P24	caprior	1	5x20	140	
P25	caprior	1	5x20	120	
P26	caprior	1	5x20	135	
P27	caprior	1	5x20	220	
P28	caprior	1	5x20	300	
P29	caprior	6	5x20	375	
P29.1	caprior	1	5x20	135	
P29.2	caprior	1	5x20	225	
P29.3	caprior	1	5x20	320	
P29.4	caprior	1	5x20	400	
P29.5	caprior	1	5x20	365	
P29.6	caprior	1	5x20	145	
P30	caprior	1	5x20	290	
P30.1	caprior	1	5x20	310	
P30.2	caprior	1	5x20	450	
P30.3	caprior	1	5x20	355	
P30.4	caprior	1	5x20	255	
P31	caprior	3	5x20	240	
P31.1	caprior	3	5x20	400	
P31.2	caprior	3	5x20	210	
P31.3	caprior	1	5x20	345	
P32	caprior	2	5x20	160	
P33	caprior	2	5x20	165	
P34	caprior	1	5x20	350	
P34.1	caprior	1	5x20	300	
P34.2	caprior	1	5x20	400	
P35	caprior	2	5x20	340	
P35.1	caprior	1	5x20	315	
P35.2	caprior	1	5x20	220	
P36	caprior	1	5x20	245	
P36.1	caprior	1	5x20	300	
P36.2	caprior	1	5x20	150	
P37	caprior	1	5x20	535	
P38	caprior	1	5x20	450	
P39	caprior	1	5x20	365	
P40	caprior	1	5x20	280	
P41	caprior	1	5x20	195	
P42	caprior	1	5x20	105	
P43	caprior	1	5x20	140	
P44	caprior	1	5x20	225	
P45	caprior	1	5x20	300	
P46	caprior	1	5x20	375	
P47	caprior	1	5x20	285	
P48	caprior	1	5x20	195	
P49	caprior	1	5x20	100	
P50	caprior	1	5x20	85	
P51	caprior	1	5x20	165	
P52	caprior	1	5x20	235	
P53	caprior	1	5x20	290	
P54	caprior	1	5x20	140	
P55	caprior	1	5x20	235	
P56	caprior	1	5x20	200	
P57	caprior	1	5x20	165	
P58	caprior	1	5x20	140	
P59	caprior	1	5x20	110	
P60	caprior	1	5x20	80	

Lemn rasinoase ignifugat si antiseptizat

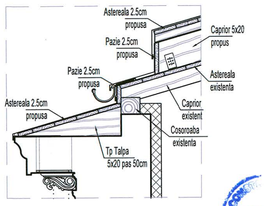
Extras lemn dispus peste astereala existenta					
Nr. Poz./Ele	Denumire piesa	Buc.	Sectiune (cm)	Lungime (cm)	Mat.
P61	caprior	1	5x20	50	
P62	caprior	1	5x20	195	
P63	caprior	1	5x20	370	
P64	caprior	5	5x20	285	
P64.1	caprior	1	5x20	320	
P64.2	caprior	4	5x20	310	
P64.3	caprior	1	5x20	225	
P64.4	caprior	1	5x20	315	
P64.5	caprior	1	5x20	210	
P65	caprior	1	5x20	355	
P66	caprior	1	5x20	165	
P67	caprior	1	5x20	80	
P68	caprior	1	5x20	100	
P69	caprior	1	5x20	120	
P70	caprior	1	5x20	145	
P71	caprior	1	5x20	165	
P72	caprior	1	5x20	200	
P73	caprior	1	5x20	215	
P74	caprior	1	5x20	90	
P75	caprior	1	5x20	120	
P76	caprior	1	5x20	300	
P77	caprior	1	5x20	235	
P78	caprior	1	5x20	165	
P79	caprior	1	5x20	90	
P80	caprior	1	5x20	155	
P81	caprior	1	5x20	210	
P82	caprior	1	5x20	300	
P83	caprior	1	5x20	380	
P84	caprior	1	5x20	280	
P85	caprior	1	5x20	225	
P86	caprior	1	5x20	115	
P87*	pana de coama/dolie	1	10x20	600	
P88*	pana de coama/dolie	1	10x20	600	
P89*	pana de coama/dolie	1	10x20	480	
P90	pana de coama/dolie	1	10x20	450	
P91	pana de coama/dolie	1	10x20	400	
P92*	pana de coama/dolie	1	10x20	450	
P93*	pana de coama/dolie	1	10x20	565	
P94*	pana de coama/dolie	1	10x20	600	
P95*	pana de coama/dolie	1	10x20	470	
P96*	pana de coama/dolie	1	10x20	600	
P97*	pana de coama/dolie	1	10x20	570	
P98*	pana de coama/dolie	2	10x20	480	
P99*	pana de coama/dolie	2	10x20	600	
P100*	pana de coama/dolie	2	10x20	580	
P101*	pana de coama/dolie	1	10x20	460	
P102*	pana de coama/dolie	1	10x20	430	
P103*	pana de coama/dolie	1	10x20	400	
P104	pop	4	10x10	35	
P105	grinda	1	10x10	420	
Sp	sipci	170	5x5	400	
Pz	pazie	51	2.5x20	400	
Tp	talpa comisa	102	5x20	70	
	Total mc lemn sectiune 5x20cm				7.74
	Total mc lemn sectiune 10x20cm				2.49
	Total mc lemn sectiune 10x10cm				0.07
	Total mc lemn sectiune 5x5cm				2.04
	Total mc lemn sectiune 2.5x20cm				1.22
	Total mc lemn sarpanta				13.56
	Total mc astereala 2.5 cm (668 mp acoperis)				16.70

Lemn rasinoase ignifugat si antiseptizat

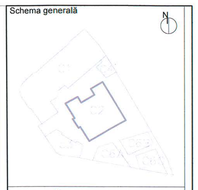
* Daca nu se pot aproviziona bare 10x20 cu lungimi mai mari de 4 m, acestea se vor realiza din bare cu sectiune 5x20 prin suprapuneri alternative si solidarizate cu suruburi 2xM10 dispuse la pas de 100cm.

NOTA: DEBITAREA ELEMENTELOR SE VA FACE DUPA VERIFICAREA SI MASURAREA EXACTA A DISTANTELOR PE SANTIER.

Sectiune curenta comisa
scara 1:50



Schema generală



LEGENDĂ:

- zidărie nouă
- compartimentări ușoare
- cămașuială – perete exterior

Proiectant general și de arhitectură

birou arhitectura
Str. Ostavarilor, nr. 27, sector 3, Bucuresti, ROMANIA
Tel./ Fax : 021 / 3267954, J40 / 3668 / 17.03.2003, R 15283910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan B V51 sc.2 ap.42 031296 sector 3 Bucuresti
adelaopus@yahoo.com tel 021.3217632
nr. J40/8663/2001 cod fiscal: RO 14235686

Proiectant rezistență

Incona SRL Bucuresti
J40/6707/ 1991 ; R3013714
021 / 2111440

Proiectant instalații

S.C. D&D EUROCOM S.R.L.
J40/14360/2004, CUI15742075,
Matei Basarab 108, bl.74, sc.1, et.7, ap.29,
sector 3, Bucuresti
Tel/Fax: 021/3251882, 0314251881
e-mail: electro@d&deurocom.ro
website: www.d&deurocom.ro

Specialitate

STRUCTURA

Verificator / Expert	Semnătura	Cerința	Referat

Pr. Nr. 04.06/2009 — Beneficiar: Universitatea Națională de Arte București, Grad Budișteanu, nr. 19, Sect 1, Bucuresti

Titlu Proiect:
EXTINDERE ȘI REMODELARE FUNCTIONALĂ SEDIUL UNIVERSITĂȚII NAȚIONALE DE ARTE BUCUREȘTI,
str. General Budișteanu 19

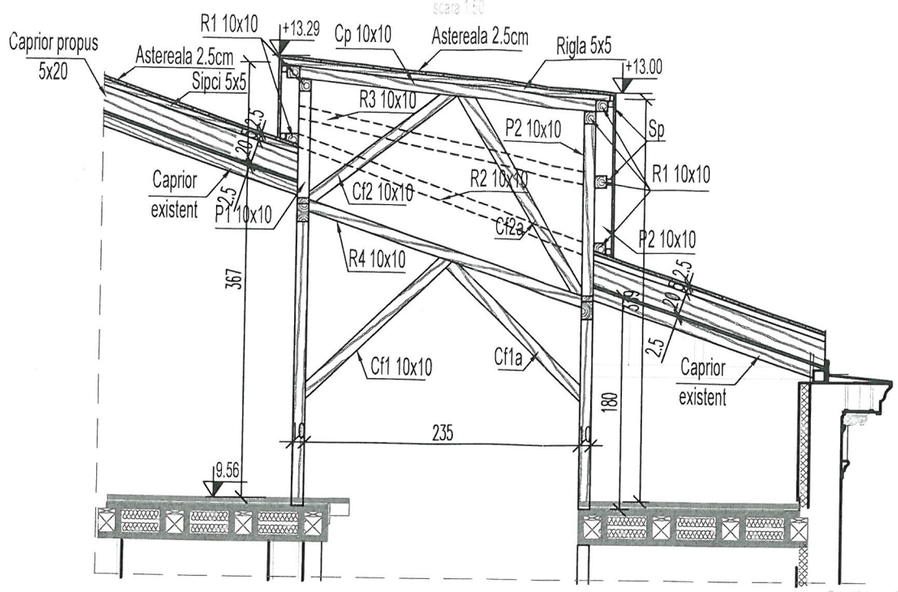
Șef proiect	ing. Mircea Neacșu
Proiectat	ing. Ionuț Fălcescu
Desenat	ing. Ionuț Fălcescu
Verificat	ing. Mircea Neacșu

Titlu Planșă

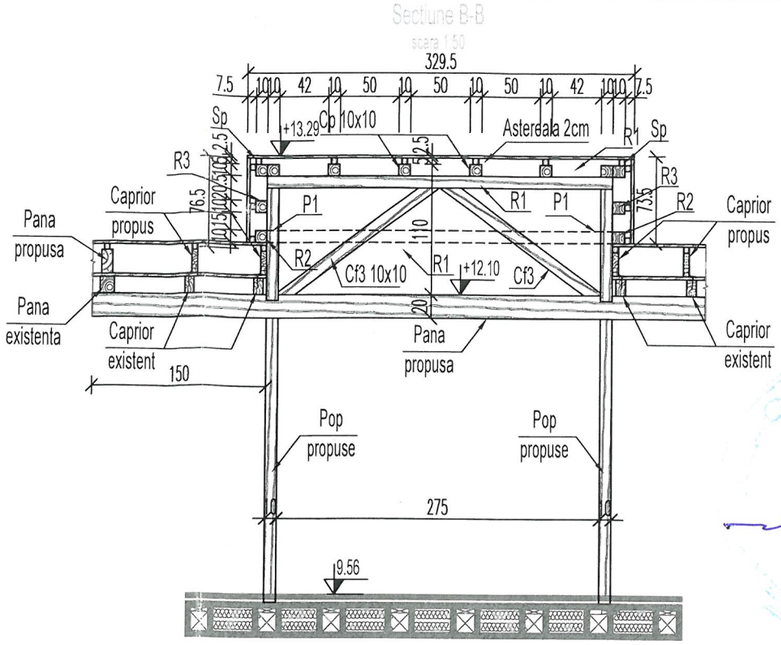
PLAN SARPANTA PESTE ASTEREALA EXISTENTA

Faza PT+DE	Scara	Data	RC2-8.2
REV.2	1:50/1:20	11.2016	

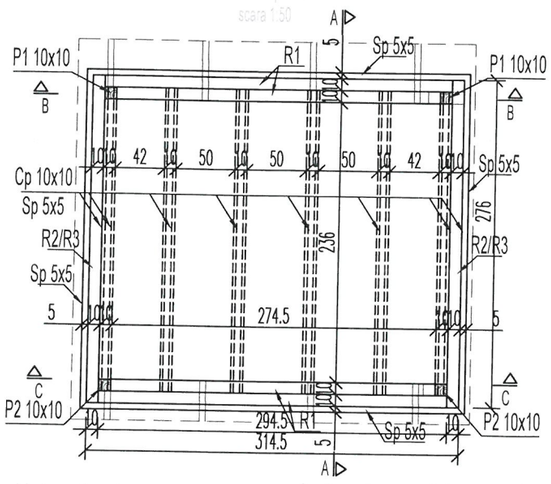
Sectiune A-A
scara 1:50



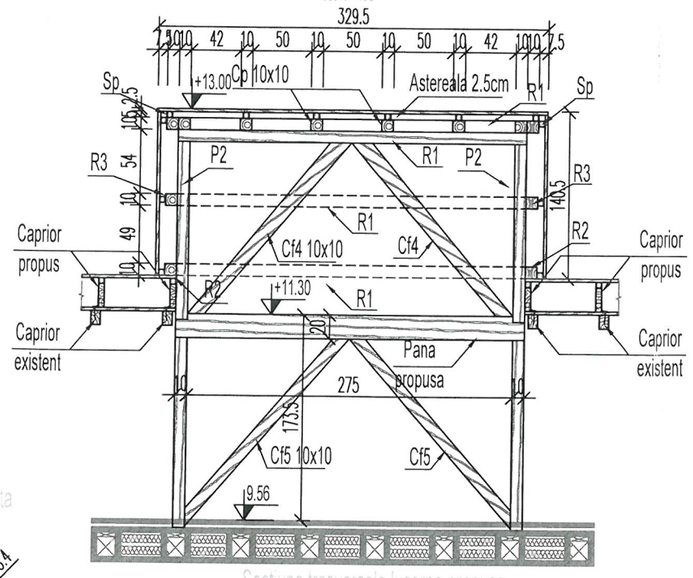
Sectiune B-B
scara 1:50



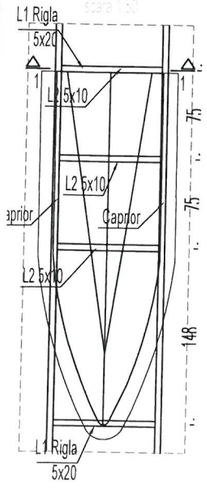
Vedere plana
scara 1:50



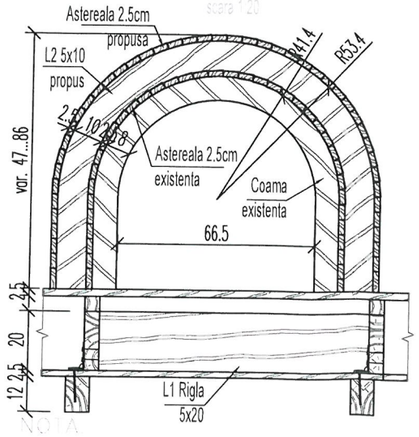
Sectiune C-C
scara 1:50



Vedere plana lucarna
scara 1:50

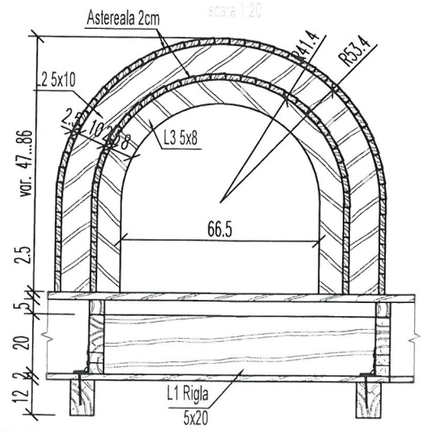


Sectiune trasversala lucarna existenta
scara 1:20



NOTA
Lucrarile existente se vor demonta si se vor reface la cota exacta cu caprior adaugati peste sterese vechi. Numarul

Sectiune trasversala lucarna propusa
scara 1:20



NOTA
Lucarnele noi se vor executa dupa dimensiunile si forma celor existente.Numarul lucarnei propuse este de 2 ...

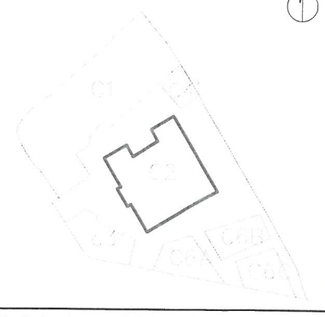
Extras lemn inchidere ascensor si lucarne

Nr. Poz./Ele	Denumire piesa	Buc.	Sectiune (cm)	Lungime (cm)	Mat.
P1	pop	2	10x10	95	Lemn rasinoase ignifugat si antiseptizicat
P2	pop	2	10x10	150	
R1	rigla	7	10x10	295	
R2	rigla	2	10x10	290	
R3	rigla	2	10x10	270	
R4	rigla	2	10x10	260	
Cp	caprior	8	10x10	260	
Cf1	contrafisa	2	10x10	170	
Cf1a	contrafisa	2	10x10	165	
Cf2	contrafisa	2	10x10	150	
Cf2a	contrafisa	2	10x10	200	
Cf3	contrafisa	2	10x10	165	
Cf4	contrafisa	2	10x10	200	
Cf5	contrafisa	2	10x10	210	
L1	rigla	12	5x20	85	
L2	coama	18	5x10	240	
L3	coama	6	5x8	190	
Sp	sipci	15	5x5	400	

Total mc lemn sectiune 10x10cm	1.06
Total mc lemn sectiune 5x20cm	0.12
Total mc lemn sectiune 5x10cm	0.26
Total mc lemn sectiune 5x8cm	0.05
Total mc lemn sectiune 5x5cm	0.18
Total mc lemn sarpanta	1.67
Total mc astereala 2.5 cm (64mp acoperis)	1.60

NOTA: DEBITAREA ELEMENTELOR SE VA FACE DUPA VERIFICAREA SI MASURAREA EXACTA A DISTANTELOR PE SANTIER.

Schema generală



Proiectant general şi de arhitectură

birou arhitectura
Str. Octavian, nr. 27, sector 3, Bucureşti, ROMANIA
Tel. / Fax : 021 / 3267954, J40 / 3968 / 17.03.2003, R 15293910

Proiectant restaurare

opus/atelier de arhitectură
Calea Vitan 8 V51 sc.2 ap.42 031296 sector 3 Bucureşti
atelieropus@yahoo.com tel 021 3217632
nr J40/8663/2001 cod fiscal RO 14235686

Proiectant rezistenţă

incona
INCONA SRL Bucuresti
J40/6707/ 1991 ; R3013714
021 / 2111440

Proiectant instalaţii

D&D €com
S.C. D&D EUROCOM S.R.L.
J40/14388/2004, CUI16742073,
Matei Basarab 108, bl. 74, sc. 1, et. 7, ap. 29, sector 3, Bucuresti
Tel/Fax: 031/4251982, 031/4251981
e-mail: electrice@ddeurocom.ro
website: www.ddeurocom.ro

Specialitate

STRUCTURA

Verificator / Expert	Semnătura	Cerinţa	Referat

Pr. Nr.	Beneficiar	Universitatea Naţională de Arte Bucureşti
04.06/2009		G-ral Budişteanu, nr. 19, Sect 1, Bucureşti

Titlu Proiect

EXTINDERE ŞI REMODELARE FUNCTIONALĂ SEDIUL UNIVERSITĂŢII NAŢIONALE DE ARTE BUCUREŞTI, str. General Budişteanu 19

Şef proiect	ing. Mircea Neacşu	
Proiectat	ing. Ionuţ Fălcescu	
Desenat	ing. Ionuţ Fălcescu	
Verificat	ing. Mircea Neacşu	

Titlu Planşă

DETALII INCHIDERE ASCENSOR SI LUCARNA

Faza PT+DE	Scara	Data	
REV.2	1:50 / 1:20	11.2016	RC2-8.3

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