

CLADIRE POLITIE RESITA

Rezistente si inaltimei							
fm=	3	N/mmp	rezistenta medie a zidariei la compresiune (CR0, pg43, P100/3-2008 D15)				
fd=	2.5	N/mmp	rezistenta de proiectare la compresiune				
ftd=	0.04	N/mmp	rezistenta de proiectare la forfecare (rupere in scara)		D'=lc(m)	lungimea zonei comprimate	
Htot=	10.5	m					
Het=	3.5	m	inaltimea peretelui		μmed=	0.7 valoare medie a coeficientului de frecare	
cp=	1		1 perete dublu incastrat la extremitati(spalet)				
			2 perete consola(montant)		Aasc=	1231	mmp aria de armatura din stalpisor (8fi14)
γm=	2.5	coeficient partial de siguranta (dupa 1950 - Anexa D15)			fyd=	300	N/mmp
CF=	1.2	factor de incredere					
fvk0=	0.045	N/mmp	rezistenta caracteristica initiala la forfecare				
Hech=	7.875						

DIRECTIE LONGITUDINALA

Fbaza=1671 kN

										factor de forma		moment incov capabil		in rost orizontal		rupere in diagonala							
NIVEL	ELEMENT	CAZ INCARCARE	Lw(m)	t(m)	Azid(mp)	N(kN)	Fb(kN)	σdbaza(kN/mp)	vd	λp	1-1.15*vd	Mdt(kN*m)	Vf1(kN)	D'=lc(m)	Vf21(kN)	b	Vf22(kN)	Vf2(kN)	Rupere	Vcap,min(kN)	R3i	Vcap,min'(kN)	R3
PARTER DIRECTIE LONGITUDINALA	P1	SEISMXMIN	1	0.375	0.375	-164.2066	-10.4467	437.88	0.18	3.50	0.80	65.57	8.33	0.30	138.03	1.00	51.85	51.85	ductila	8.33	0.80	8.33	0.97
	P2	SEISMXMIN	1	0.375	0.375	-122.5929	-4.3268	326.91	0.13	3.50	0.85	52.08	6.61	0.23	28.61	1.00	45.43	28.61	ductila	6.61	1.53	6.61	
	P3	SEISMXMIN	1.5	0.375	0.5625	-282.3638	-9.0573	501.98	0.20	2.33	0.77	162.87	20.68	0.35	65.88	1.00	82.82	65.88	ductila	20.68	2.28	20.68	
	P4	SEISMXMIN	1	0.375	0.375	-205.228	-10.405	547.27	0.22	3.50	0.75	76.78	9.75	0.38	47.89	1.00	57.48	47.89	ductila	9.75	0.94	9.75	
	P5	SEISMXMIN	1.5	0.375	0.5625	-275.1084	-19.3854	489.08	0.20	2.33	0.78	159.91	20.31	0.34	64.19	1.00	81.83	64.19	ductila	20.31	1.05	20.31	
	P6	SEISMXMIN	1	0.375	0.375	-128.9156	-4.0629	343.77	0.14	3.50	0.84	54.26	6.89	0.24	30.08	1.00	46.46	30.08	ductila	6.89	1.70	6.89	
	P7	SEISMXMIN	1.5	0.375	0.5625	-219.5844	-8.0871	390.37	0.16	2.33	0.82	135.12	17.16	0.27	150.95	1.00	73.80	73.80	ductila	17.16	2.12	17.16	
	P8	SEISMXMIN	1	0.375	0.375	-131.7046	-2.0828	351.21	0.14	3.50	0.84	55.21	7.01	0.24	30.73	1.00	46.91	30.73	ductila	7.01	3.37	7.01	
	P9	SEISMXMIN	1.5	0.375	0.5625	-219.0926	-6.8268	389.50	0.16	2.33	0.82	134.88	17.13	0.27	150.83	1.00	73.73	73.73	ductila	17.13	2.51	17.13	
	P10	SEISMXMIN	1	0.375	0.375	-127.5999	-1.7974	340.27	0.14	3.50	0.84	53.81	6.83	0.23	29.77	1.00	46.25	29.77	ductila	6.83	3.80	6.83	
	P11	SEISMXMIN	1.5	0.375	0.5625	-242.0348	-11.7657	430.28	0.17	2.33	0.80	145.60	18.49	0.30	56.47	1.00	77.15	56.47	ductila	18.49	1.57	18.49	
	P12	SEISMXMIN	1	0.375	0.375	-115.3847	1.3209	307.69	0.12	3.50	0.86	49.53	6.29	0.21	26.92	1.00	44.22	26.92	ductila	6.29	4.76	6.29	
	P13	SEISMXMIN	0.45	0.375	0.16875	-61.5425	-5.7041	364.70	0.15	7.78	0.83	11.52	1.46	0.25	14.36	1.00	21.47	14.36	ductila	1.46	0.26	0.00	
	P14	SEISMXMIN	8.45	0.25	2.1125	-997.8429	-216.5002	472.35	0.19	0.41	0.78	3299.85	419.03	0.33	232.83	0.41	730.13	232.83	fragila	232.83	1.08	232.83	
	P15	SEISMXMIN	20.6	0.25	5.15	-2584.476	-556.8491	501.84	0.20	0.17	0.77	20474.95	2599.99	0.35	802.47	0.17	4462.44	802.47	fragila	802.47	1.44	802.47	
	P16	SEISMXMIN	0.825	0.25	0.20625	-70.8846	-7.9088	343.68	0.14	4.24	0.84	24.62	3.13	0.24	116.25	1.00	25.55	25.55	ductila	3.13	0.40	0.00	
	P17	SEISMXMIN	7.75	0.375	2.90625	-1032.086	-241.3752	355.13	0.14	0.45	0.84	3346.01	424.89	0.25	240.82	0.45	809.03	240.82	fragila	240.82	1.00	240.82	
	P18	SEISMXMIN	1.25	0.375	0.46875	-172.4429	-13.5513	367.88	0.15	2.80	0.83	89.54	11.37	0.25	40.24	1.00	59.87	40.24	ductila	11.37	0.84	11.37	
	P19	SEISMXMIN	1	0.375	0.375	-122.1417	-3.583	325.71	0.13	3.50	0.85	51.92	6.59	0.22	28.50	1.00	45.36	28.50	ductila	6.59	1.84	6.59	
	P20	SEISMXMIN	1.5	0.375	0.5625	-216.327	-6.9385	384.58	0.15	2.33	0.82	133.54	16.96	0.27	150.19	1.00	73.30	73.30	ductila	16.96	2.44	16.96	
	P21	SEISMXMIN	1	0.375	0.375	-130.9927	-1.7443	349.31	0.14	3.50	0.84	54.97	6.98	0.24	30.56	1.00	46.80	30.56	ductila	6.98	4.00	6.98	
	P22	SEISMXMIN	1.5	0.375	0.5625	-218.2377	-5.5366	387.98	0.16	2.33	0.82	134.47	17.08	0.27	150.63	1.00	73.60	73.60	ductila	17.08	3.08	17.08	
	P23	SEISMXMIN	1	0.375	0.375	-126.1086	-1.2921	336.29	0.13	3.50	0.85	53.30	6.77	0.23	29.43	1.00	46.01	29.43	ductila	6.77	5.24	6.77	
	P24	SEISMXMIN	1.5	0.375	0.5625	-228.0063	-8.0416	405.34	0.16	2.33	0.81	139.12	17.67	0.28	53.20	1.00	75.08	53.20	ductila	17.67	2.20	17.67	
	P25	SEISMXMIN	1	0.375	0.375	-120.2728	0.7454	320.73	0.13	3.50	0.85	51.26	6.51	0.22	28.06	1.00	45.05	28.06	ductila	6.51	8.73	6.51	
	P26	SEISMXMIN	0.45	0.375	0.16875	-65.2276	-5.8335	386.53	0.15	7.78	0.82	12.07	1.53	0.27	15.22	1.00	22.04	15.22	ductila	1.53	0.26	0.00	
	P27	SEISMXMIN	4.45	0.375	1.66875	-429.3052	-86.2246	257.26	0.10	0.79	0.88	842.16	106.94	0.18	299.59	0.79	231.36	231.36	ductila	106.94	1.24	106.94	