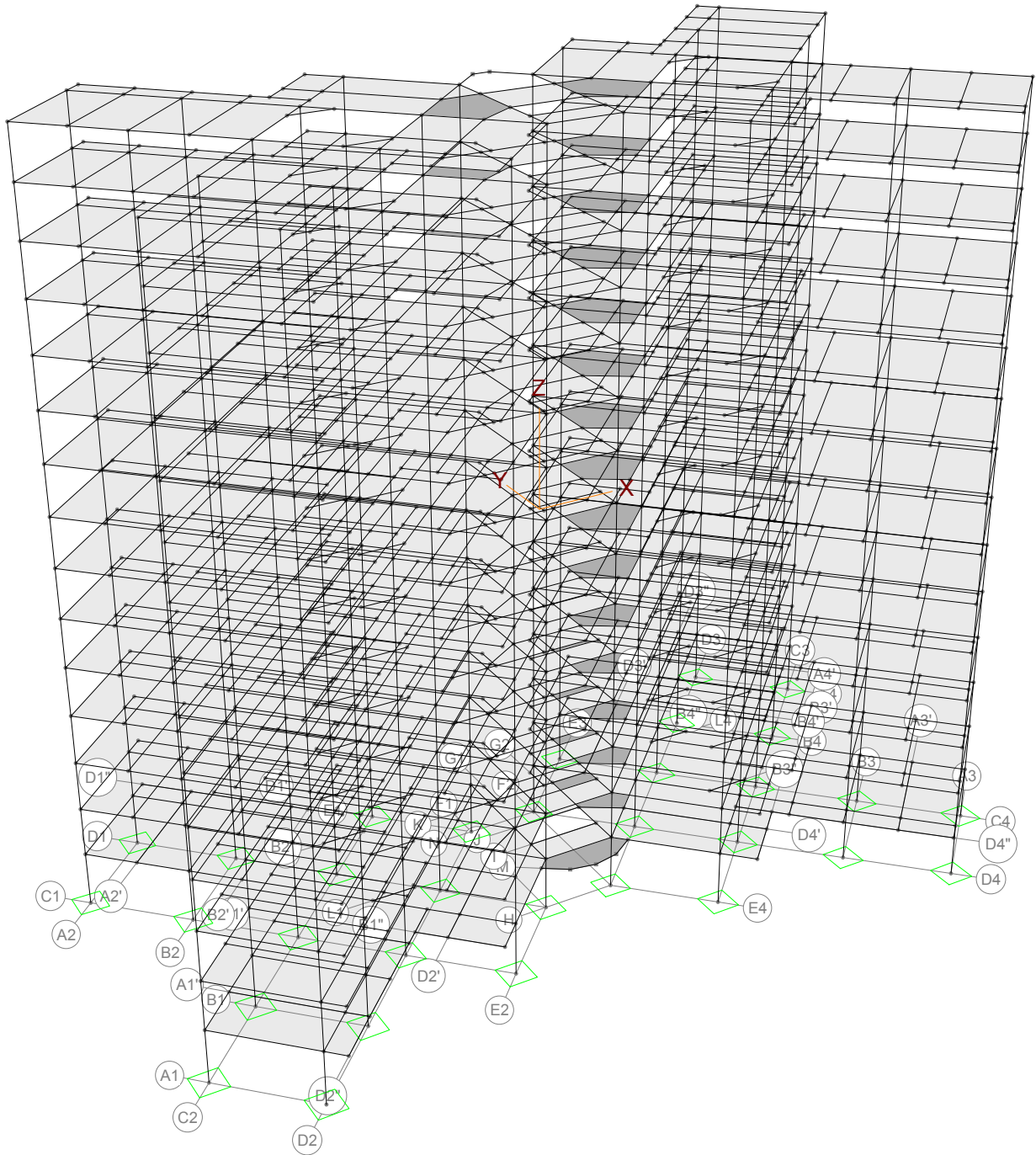
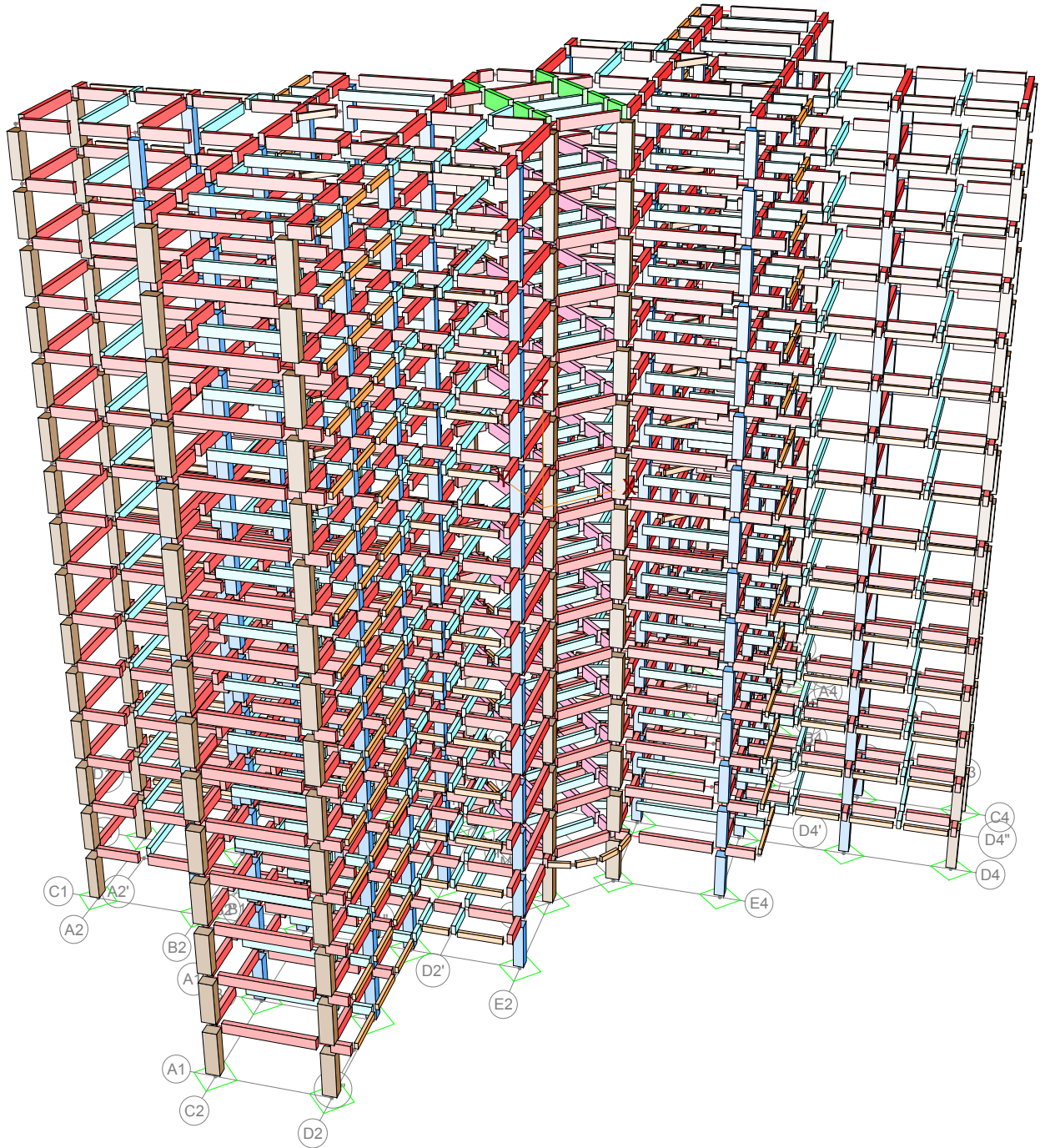


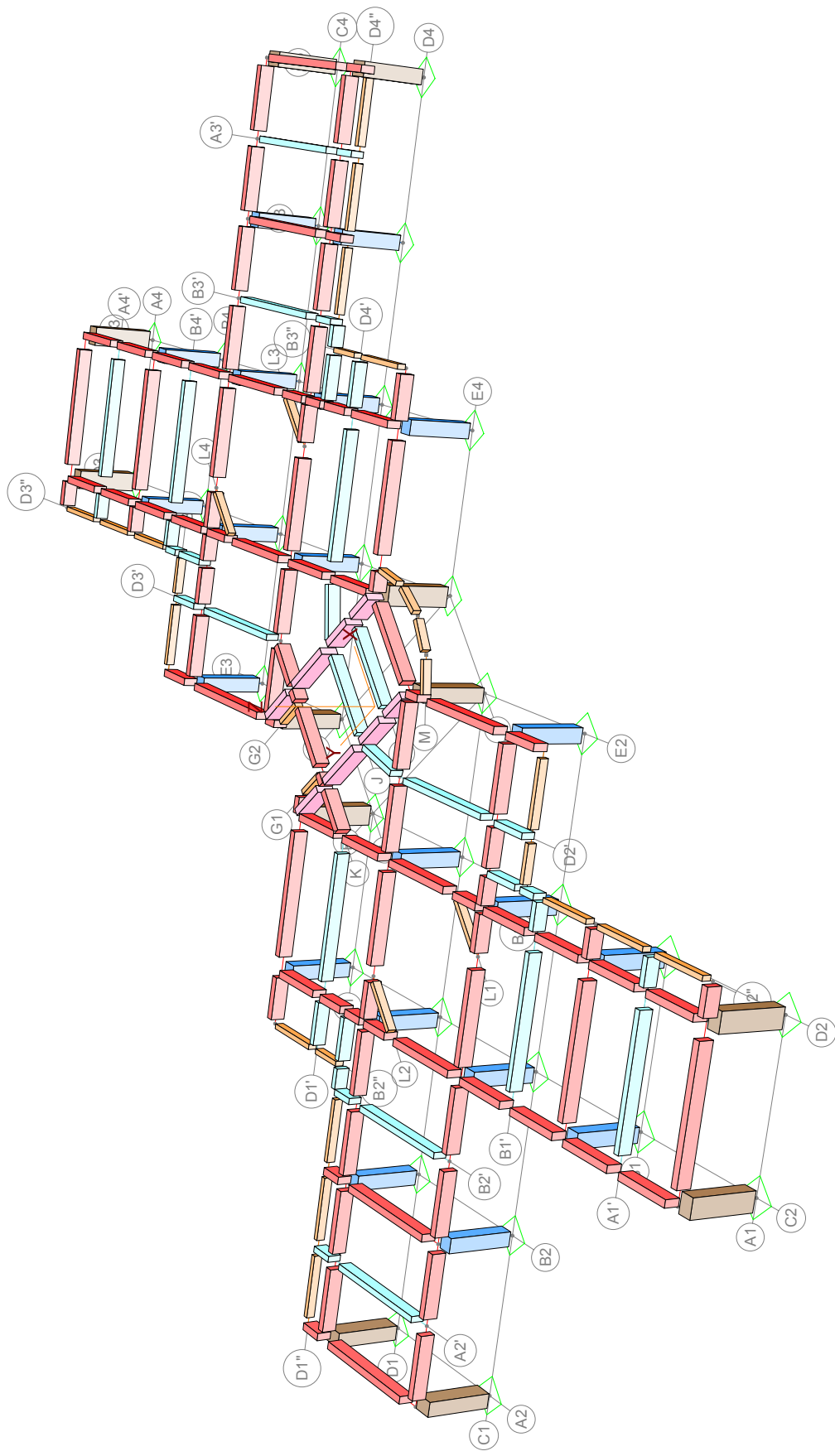
EJEMPLO DE IMPRESIONES

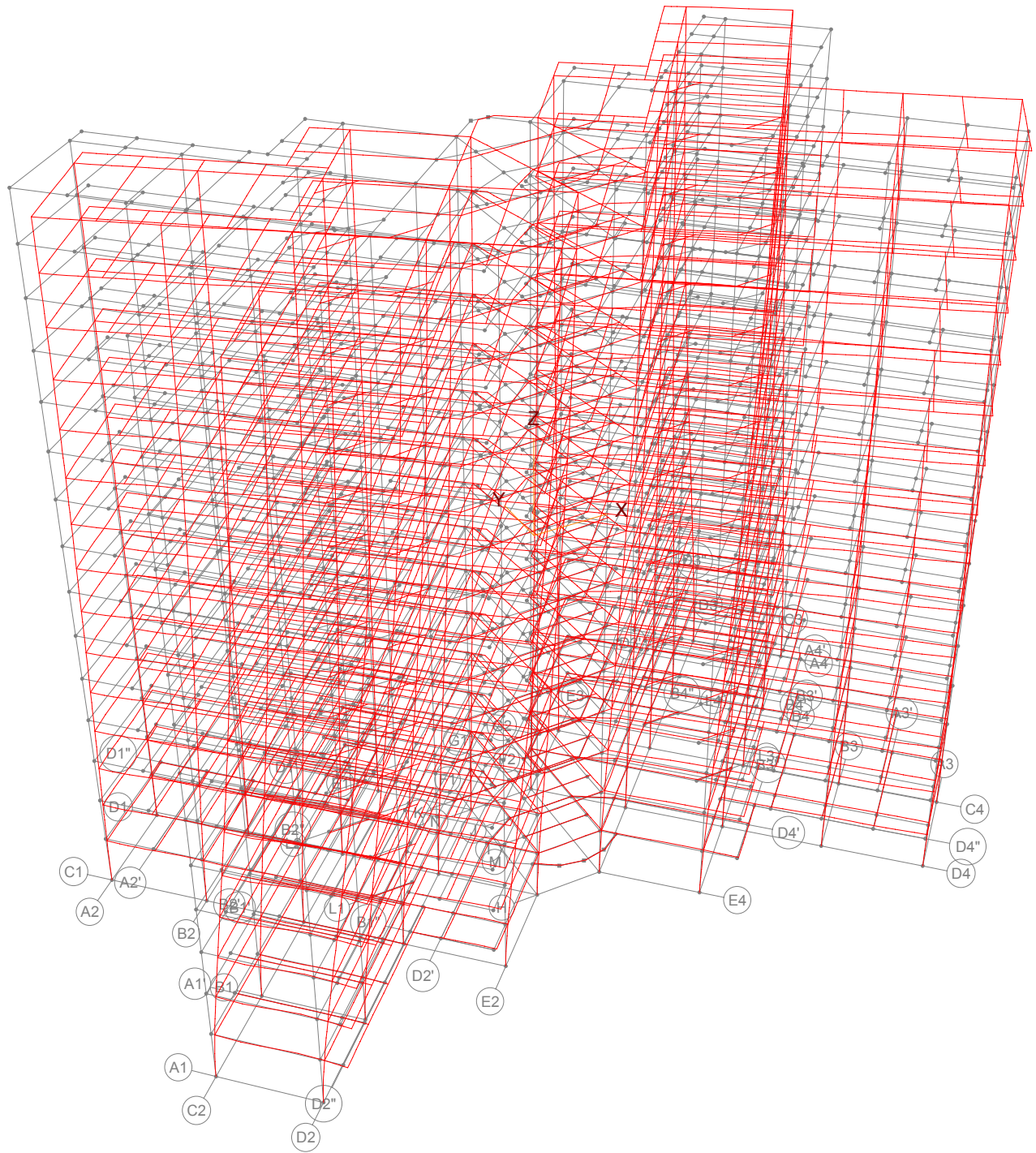
En las páginas siguientes se muestran algunos ejemplos de impresiones obtenidas para un edificio de 15 niveles, analizado y diseñado empleando **ECOgcW**.

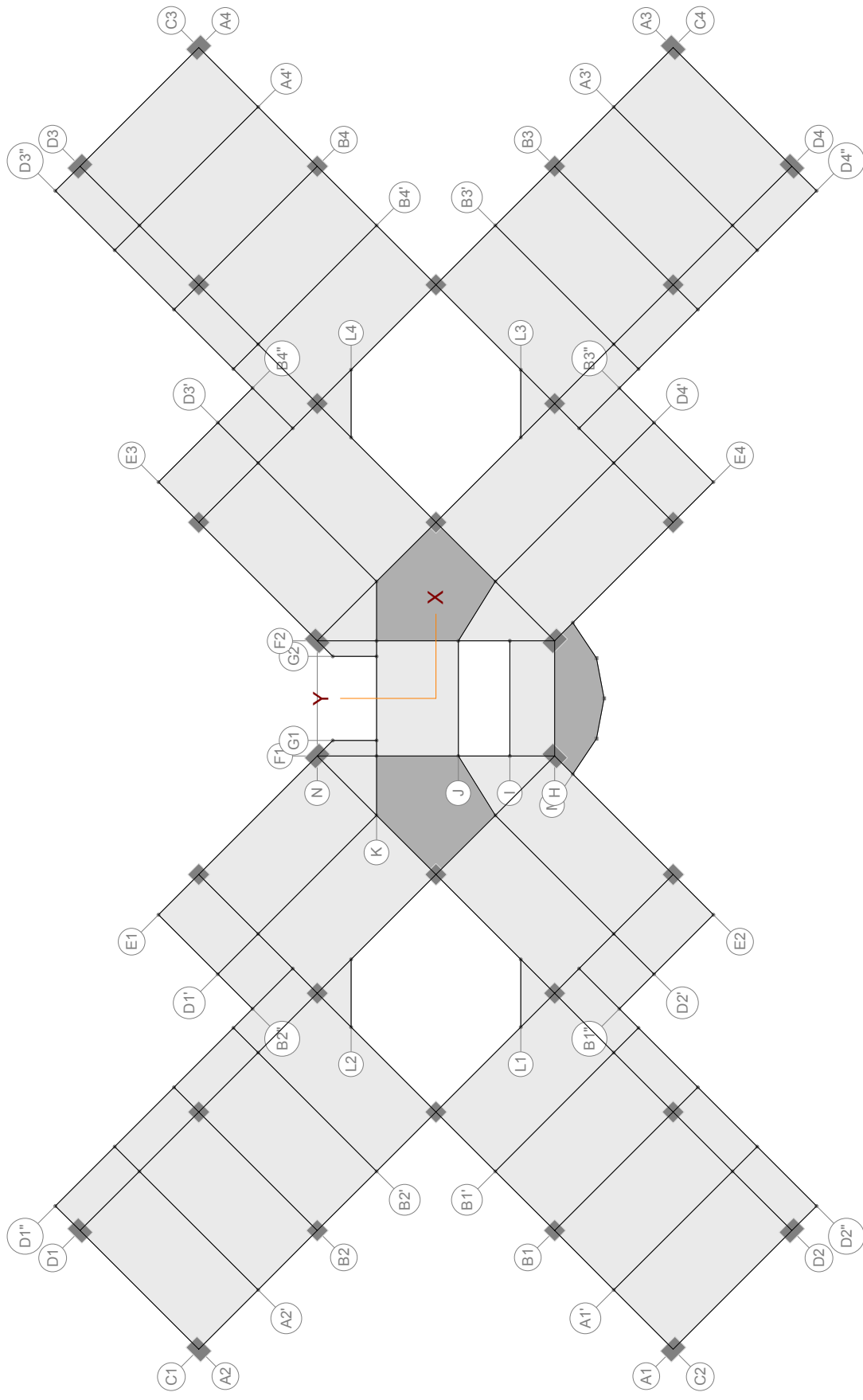
Página	Descripción
2	Todo el edificio en 3D
3	Todo el edificio en 3D con los elementos extruidos
4	Nivel 1 extruido
5	Grafica del tercer modo de vibración
6	Planta del nivel 1
7 a 9	Listado de envolvente de reacciones
10 a 12	Resultados análisis sísmico
13	Grafica de acero longitudinal requerido en eje C1 niveles 1 a 3 y el cajón de la trabe con su armado propuesto
14	Grafica de envolvente de acero longitudinal requerido en eje C1 para los niveles 1 a 3
15 a 17	Plantas de niveles 1 a 3 con acero requerido en columnas











ENVOLVENTE DE REACCIONES

NUDO	Comb	Fx (T)	Fy (T)	Fz (T)	Mx (T*m)	My (T*m)	Mz (T*m)
A1+C2/0	DI10	-13.864	-15.089	130.912	57.888	-49.423	1.627
	DI13	17.924	15.609	384.663	-58.683	53.700	-1.627
	DI15	-31.315	25.823	29.998	-101.409	-123.244	-1.517
	DI16	35.374	-25.302	485.577	100.614	127.521	1.517
	DI31	-17.633	38.806	150.081	-146.005	-76.004	-1.477
	DI32	21.693	-38.285	365.494	145.210	80.281	1.477
A1+D2/0	DI10	-13.031	-11.434	170.644	49.085	-43.570	1.627
	DI13	15.474	15.757	483.017	-53.889	46.211	-1.627
	DI15	-33.615	26.392	484.674	-97.392	-130.068	-1.517
	DI16	36.058	-22.069	168.987	92.588	132.709	1.517
	DI31	-19.673	39.512	608.735	-142.199	-82.490	-1.477
	DI32	22.116	-35.189	44.926	137.396	85.131	1.477
B1+C2/0	DI6	-17.905	-1.290	240.683	-3.609	-56.452	-0.890
	DI9	20.678	-1.210	462.523	6.239	59.464	0.890
	DI10	-16.601	-16.219	348.644	43.793	-48.404	0.955
	DI13	19.374	13.719	354.562	-41.163	51.416	-0.955
	DI16	19.500	-12.085	510.790	38.216	58.183	0.891
	DI26	-5.372	-27.092	458.984	77.969	-12.793	0.886
B1+D2/0	DI29	8.145	24.592	244.222	-75.339	15.804	-0.886
	DI1	-0.560	1.126	635.984	-1.270	-0.610	0.000
	DI6	-22.173	-1.439	559.819	-0.079	-64.289	-0.890
	DI9	21.461	2.981	364.750	-1.684	63.514	0.890
	DI10	-16.698	-12.409	451.478	35.970	-44.814	0.955
	DI13	15.986	13.951	473.091	-37.733	44.039	-0.955
C1+A2/0	DI26	-5.302	-23.403	344.762	70.446	-9.371	0.886
	DI29	4.590	24.945	579.807	-72.209	8.596	-0.886
	DI10	-31.685	-26.353	21.821	104.715	-125.792	1.627
	DI13	35.736	25.814	493.799	-104.219	130.149	-1.627
	DI26	-17.818	-38.982	145.562	147.016	-77.215	1.510
	DI29	21.869	38.443	370.057	-146.519	81.572	-1.510
C1+B2/0	DI3	-18.018	0.961	233.866	4.968	-57.139	0.955
	DI4	20.781	1.555	469.737	-7.786	60.139	-0.955
	DI10	-16.841	-9.913	185.593	36.945	-55.862	0.955
	DI13	19.604	12.430	518.011	-39.763	58.862	-0.955
	DI31	-5.281	26.974	458.917	-77.600	-12.455	-0.867
	DI32	8.044	-24.458	244.686	74.782	15.455	0.867
C1+C2/0	DI1	-0.368	0.004	551.286	-0.049	-0.400	0.000
	DI10	-20.265	-13.093	385.305	36.761	-55.925	0.955
	DI13	19.743	13.108	422.681	-36.863	55.358	-0.955
	DI26	-6.303	-26.910	398.284	74.355	-17.127	0.886
	DI29	5.781	26.926	409.703	-74.457	16.560	-0.886
	C1+D2/0	DI1	0.059	-2.266	680.870	2.424	0.064
DI10		-18.629	-12.679	487.670	32.665	-50.463	0.955
DI13		18.711	9.461	503.664	-29.244	50.552	-0.955
DI15		-22.584	9.015	510.243	-28.159	-61.356	-0.891
DI16		22.665	-12.233	481.091	31.579	61.445	0.891
DI26		-4.265	-26.484	472.936	70.432	-11.557	0.886
C1+E2/0	DI29	4.347	23.266	518.398	-67.011	11.646	-0.886
	DI6	-20.912	-1.328	311.948	6.504	-63.093	-0.890
	DI9	17.407	4.811	367.445	-10.371	59.288	0.890
	DI10	-15.010	-5.578	251.490	21.451	-43.091	0.955
	DI13	11.505	9.061	427.902	-25.317	39.286	-0.955
	DI26	-4.024	-16.369	137.074	56.323	-7.990	0.886
D1+A2/0	DI29	0.519	19.852	542.318	-60.190	4.184	-0.886
	DI10	-34.052	-26.860	494.781	100.303	-133.009	1.627
	DI13	36.485	22.521	158.131	-95.800	135.729	-1.627
	DI26	-19.878	-39.670	611.566	143.093	-83.819	1.510
	DI29	22.311	35.332	41.346	-138.589	86.538	-1.510
	D1+B2/0	DI1	-0.572	-1.124	635.915	1.180	-0.623
DI3		-22.401	1.215	566.508	1.080	-65.337	0.955
DI4		21.670	-2.738	357.691	0.494	64.542	-0.955
DI10		-21.199	-9.763	618.633	33.091	-64.031	0.955
DI13		20.468	8.240	305.566	-31.517	63.236	-0.955
DI31		-5.241	23.315	345.107	-70.182	-9.139	-0.867
D1+C2/0	DI32	4.510	-24.838	579.092	71.755	8.344	0.867
	DI1	0.086	2.303	682.646	-2.552	0.094	0.000
	DI10	-22.828	-9.234	513.138	28.912	-62.182	0.955
	DI13	22.948	12.525	480.472	-32.580	62.313	-0.955
	DI26	-8.184	-23.168	522.256	66.818	-22.461	0.886

ENVOLVENTE DE REACCIONES

NUDO	Comb	Fx (T)	Fy (T)	Fz (T)	Mx (T*m)	My (T*m)	Mz (T*m)
	DI29	8.304	26.459	471.355	-70.487	22.591	-0.886
D1+D2/0	DI1	2.380	-0.232	655.214	0.209	2.591	0.000
	DI10	-18.604	-9.262	476.205	25.379	-54.031	0.955
	DI13	21.936	8.918	473.092	-25.089	57.658	-0.955
	DI26	-4.520	-23.426	472.882	63.807	-15.160	0.886
	DI29	7.852	23.082	476.414	-63.517	18.788	-0.886
D1+F1/0	DI1	-2.339	6.719	710.575	-7.277	-2.607	0.000
	DI6	-38.643	-9.282	397.033	44.236	-114.213	-1.535
	DI9	35.354	19.080	642.441	-54.884	110.553	1.535
	DI10	-33.249	-11.074	403.065	49.031	-97.875	1.646
	DI13	29.960	20.872	636.409	-59.678	94.214	-1.646
	DI26	-14.602	-28.574	382.657	99.236	-46.435	1.528
	DI29	11.313	38.372	656.816	-109.883	42.774	-1.528
E1+C2/0	DI3	-21.050	1.174	335.916	-6.057	-64.033	0.955
	DI4	17.427	-4.764	363.805	9.870	60.099	-0.955
	DI10	-20.940	-8.381	439.263	24.487	-63.915	0.955
	DI13	17.317	4.791	260.458	-20.674	59.981	-0.955
	DI26	-9.348	-19.641	553.966	59.861	-27.134	0.886
	DI31	-3.972	16.237	149.422	-56.141	-7.767	-0.867
	DI32	0.350	-19.827	550.299	59.954	3.833	0.867
E1+F1/0	DI1	-1.828	-6.366	771.486	7.294	-2.668	0.000
	DI3	-30.625	9.551	666.002	-44.577	-106.984	1.646
	DI4	27.824	-18.945	442.398	55.132	103.101	-1.645
	DI10	-27.252	-8.972	736.498	12.551	-93.155	1.646
	DI13	24.451	-0.422	371.901	-1.997	89.273	-1.646
	DI31	-12.694	28.747	448.459	-99.042	-44.302	-1.494
	DI32	9.893	-38.141	659.940	109.597	40.420	1.494
H+D3/0	DI1	2.338	6.719	710.318	-7.277	2.605	0.000
	DI10	-26.512	2.342	567.604	-2.507	-80.301	1.646
	DI13	29.800	7.456	471.466	-8.141	83.960	-1.646
	DI15	-35.353	19.076	642.224	-54.871	-110.548	-1.535
	DI16	38.641	-9.278	396.846	44.224	114.207	1.535
	DI19	-11.309	38.370	656.601	-109.876	-42.764	1.527
	DI20	14.597	-28.572	382.469	99.229	46.422	-1.527
N+D4/0	DI1	1.828	-6.366	770.865	7.294	2.668	0.000
	DI10	-27.825	-18.949	441.914	55.145	-103.108	1.646
	DI13	30.627	9.554	665.512	-44.590	106.990	-1.646
	DI22	-9.896	-38.143	659.428	109.603	-40.433	-1.494
	DI25	12.698	28.748	447.998	-99.049	44.316	1.494
A3+C4/0	DI6	-35.375	-25.304	485.586	100.622	-127.526	-1.517
	DI9	31.316	25.825	29.998	-101.418	123.248	1.517
	DI10	-21.265	0.867	390.201	-5.374	-67.573	1.627
	DI13	17.206	-0.346	125.383	4.578	63.296	-1.627
	DI22	-21.695	-38.284	365.508	145.206	-80.288	-1.477
	DI25	17.635	38.805	150.076	-146.001	76.010	1.477
A3+D4/0	DI6	-36.059	-22.072	168.978	92.597	-132.714	-1.517
	DI9	33.616	26.395	484.695	-97.401	130.072	1.517
	DI10	-18.617	0.838	371.800	-0.441	-59.869	1.627
	DI13	16.174	3.485	281.873	-4.363	57.227	-1.627
	DI22	-22.118	-35.188	44.953	137.393	-85.136	-1.477
	DI25	19.675	39.511	608.720	-142.197	82.495	1.477
A4+C3/0	DI3	-35.734	25.810	493.797	-104.204	-130.142	1.627
	DI4	31.683	-26.349	21.843	104.700	125.783	-1.627
	DI10	-32.395	11.072	488.275	-50.910	-116.277	1.627
	DI13	28.343	-11.610	27.365	51.406	111.918	-1.627
	DI19	-21.865	38.439	370.030	-146.503	-81.555	1.510
	DI20	17.813	-38.978	145.610	146.999	77.196	-1.510
A4+D3/0	DI3	-36.483	22.517	158.158	-95.786	-135.721	1.627
	DI4	34.050	-26.856	494.742	100.288	133.000	-1.627
	DI10	-33.342	7.602	269.347	-42.352	-122.072	1.627
	DI13	30.909	-11.941	383.553	46.855	119.351	-1.627
	DI19	-22.306	35.328	41.377	-138.574	-86.520	1.510
	DI20	19.873	-39.666	611.523	143.077	83.799	-1.510
B3+C4/0	DI6	-19.500	-12.086	510.798	38.221	-58.185	-0.890
	DI10	-18.196	2.843	402.838	-9.181	-50.137	0.955
	DI13	15.422	-5.343	300.367	11.811	47.125	-0.955
	DI15	-20.677	-1.213	462.534	6.247	-59.462	-0.891
	DI16	17.904	-1.287	240.672	-3.617	56.450	0.891
	DI19	-8.143	24.590	244.229	-75.332	-15.799	0.886
	DI20	5.369	-27.089	458.976	77.962	12.786	-0.886

ENVOLVENTE DE REACCIONES

NUDO	Comb	Fx (T)	Fy (T)	Fz (T)	Mx (T*m)	My (T*m)	Mz (T*m)
B3+D4/0	DI1	0.560	1.126	635.985	-1.270	0.610	0.000
	DI10	-14.783	2.971	420.935	-5.716	-42.729	0.955
	DI13	15.495	-1.428	503.634	3.953	43.504	-0.955
	DI15	-21.461	2.978	364.738	-1.676	-63.513	-0.891
	DI16	22.173	-1.436	559.831	-0.087	64.287	0.891
	DI19	-4.589	24.944	579.797	-72.203	-8.592	0.886
	DI20	5.301	-23.401	344.772	70.440	9.366	-0.886
B4+C3/0	DI3	-19.603	12.427	517.998	-39.755	-58.860	0.955
	DI10	-20.782	1.553	469.740	-7.781	-60.141	0.955
	DI13	18.019	0.963	233.875	4.963	57.141	-0.955
	DI22	-8.046	-24.457	244.715	74.780	-15.463	-0.867
	DI25	5.283	26.974	458.900	-77.598	12.462	0.867
B4+D3/0	DI1	0.572	-1.124	635.908	1.180	0.622	0.000
	DI10	-21.671	-2.740	357.690	0.499	-64.545	0.955
	DI13	22.402	1.217	566.498	1.074	65.340	-0.955
	DI22	-4.513	-24.838	579.065	71.754	-8.353	-0.867
	DI25	5.244	23.315	345.123	-70.181	9.147	0.867
C3+C4/0	DI1	0.368	0.004	551.281	-0.049	0.400	0.000
	DI10	-19.743	0.869	422.670	-3.435	-55.358	0.955
	DI13	20.265	-0.853	385.309	3.332	55.925	-0.955
	DI19	-5.779	26.924	409.697	-74.452	-16.553	0.886
	DI20	6.300	-26.908	398.282	74.349	17.120	-0.886
C3+D4/0	DI1	-0.058	-2.266	680.844	2.424	-0.064	0.000
	DI6	-22.666	-12.236	481.068	31.585	-61.446	-0.890
	DI9	22.584	9.017	510.224	-28.165	61.357	0.890
	DI10	-18.719	-2.710	492.739	4.046	-50.560	0.955
	DI13	18.637	-0.509	498.554	-0.625	50.471	-0.955
	DI19	-4.344	23.264	518.375	-67.006	-11.640	0.886
	DI20	4.263	-26.483	472.917	70.427	11.551	-0.886
	DI10	-11.364	-0.522	324.665	5.270	-39.133	0.955
C3+E4/0	DI13	14.869	4.004	354.693	-9.136	42.938	-0.955
	DI15	-17.406	4.809	367.404	-10.364	-59.287	-0.891
	DI16	20.911	-1.326	311.954	6.498	63.092	0.891
	DI19	-0.517	19.851	542.285	-60.186	-4.180	0.886
	DI20	4.022	-16.368	137.073	56.320	7.985	-0.886
	DI1	-0.086	2.303	682.606	-2.552	-0.094	0.000
C4+D3/0	DI3	-22.947	12.522	480.444	-32.573	-62.310	0.955
	DI4	22.827	-9.231	513.104	28.904	62.180	-0.955
	DI10	-22.944	0.358	491.336	0.706	-62.308	0.955
	DI13	22.824	2.934	502.211	-4.374	62.178	-0.955
	DI19	-8.300	26.457	471.327	-70.482	-22.583	0.886
	DI20	8.181	-23.166	522.221	66.814	22.453	-0.886
	DI10	-17.428	-4.765	363.770	9.876	-60.102	0.955
	DI13	21.051	1.176	335.843	-6.063	64.036	-0.955
C4+E3/0	DI20	9.346	-19.640	553.896	59.857	27.125	-0.886
	DI22	-0.352	-19.827	550.242	59.955	-3.841	-0.867
	DI25	3.975	16.238	149.372	-56.142	7.775	0.867
	DI1	-2.380	-0.233	654.917	0.209	-2.591	0.000
	DI3	-21.935	8.916	472.860	-25.082	-57.657	0.955
D3+D4/0	DI4	18.603	-9.260	475.971	25.372	54.029	-0.955
	DI10	-21.894	-3.393	470.862	8.367	-57.613	0.955
	DI13	18.562	3.049	477.968	-8.077	53.986	-0.955
	DI19	-7.849	23.081	476.183	-63.514	-18.781	0.886
	DI20	4.518	-23.425	472.647	63.804	15.153	-0.886

DATOS ANÁLISIS SISMICO**10**

Reglamento: PUE.1999
 Tipo de análisis: Dinámico
 Cálculo de respuestas: Cortantes equivalentes
 Modos a calcular: 20
 Niveles sin masa: 0

 Grupo: B
 Suelo: I
 Qx: 2
 Qy: 2
 kQ: 0.8 (irregular)
 ex.accidental: 0.1 B
 c: 0.18
 a0: 0.05
 Ta: 0.15 seg
 Tb: 0.6 seg
 r: 0.5

ANÁLISIS SÍSMICO DINÁMICO [PUE1999]

	Período (seg)	Aceleración espectral	Coef.Participación		Q'x	Q'y
			x	y		
1	1.966	0.099	-26.809	-0.103	1.600	1.600
2	1.960	0.100	-0.101	30.628	1.600	1.600
3	1.911	0.101	14.980	0.022	1.600	1.600
4	0.640	0.174	-10.706	-0.018	1.600	1.600
5	0.638	0.175	-0.019	11.387	1.600	1.600
6	0.616	0.178	-3.158	-0.006	1.600	1.600
7	0.363	0.180	-6.626	-0.002	1.600	1.600
8	0.360	0.180	0.003	-6.711	1.600	1.600
9	0.341	0.180	-0.971	-0.003	1.600	1.600
10	0.244	0.180	4.935	0.001	1.451	1.451
11	0.242	0.180	0.001	-4.968	1.445	1.445
12	0.225	0.180	-0.486	-0.001	1.401	1.401
13	0.177	0.180	-3.877	-0.001	1.272	1.272
14	0.175	0.180	0.001	-3.880	1.268	1.268
15	0.160	0.180	0.267	0.001	1.227	1.227
16	0.134	0.166	3.212	0.000	1.157	1.157
17	0.133	0.165	0.000	-3.209	1.154	1.154
18	0.119	0.153	0.170	-0.003	1.118	1.118
19	0.105	0.141	2.737	0.000	1.080	1.080
20	0.104	0.140	0.000	-2.730	1.078	1.078

PESO TOTAL EN SISMO 11636.59 T

CORTANTES BASALES

estático total X: 1309.12 T
 Y: 1309.12 T
 aWt/Q' X: 723.20 T
 Y: 724.38 T
 mínimo X: 578.56 T [factor: 0.8]
 Y: 579.50 T

Modo	Peso modal efectivo		% de peso total	
	x (T)	y (T)	x	y
1	7050.85	0.10	60.59	0.00
2	0.10	9202.78	0.00	79.08
3	2201.26	0.00	18.92	0.00
4	1124.46	0.00	9.66	0.00
5	0.00	1271.98	0.00	10.93
6	97.82	0.00	0.84	0.00
7	430.63	0.00	3.70	0.00
8	0.00	441.80	0.00	3.80
9	9.24	0.00	0.08	0.00
10	238.91	0.00	2.05	0.00
11	0.00	242.08	0.00	2.08
12	2.32	0.00	0.02	0.00
13	147.48	0.00	1.27	0.00
14	0.00	147.65	0.00	1.27
15	0.70	0.00	0.01	0.00
16	101.23	0.00	0.87	0.00
17	0.00	101.02	0.00	0.87
18	0.28	0.00	0.00	0.00
19	73.51	0.00	0.63	0.00
20	0.00	73.12	0.00	0.63

Modo	Peso modal efectivo		% de peso total						
	x (T)	y (T)	x	y					
Suma	11478.81	11480.54	98.64	98.66					
Modo	Cortantes basales		Mz (T*m)	Alturas efectivas		Momentos de volteo			
	Vx (T)	Vy (T)		Hx (m)	Hy (m)	Mx (T*m)	My (T*m)		
1	438.20	0.01	34958.58	31.822	31.991	13944.38	0.21		
2	0.01	572.87	0.15	31.817	31.914	0.20	18282.70		
3	138.75	0.00	114065.08	31.782	31.274	4409.82	0.01		
4	122.47	0.00	3011.77	-5.003	-4.256	-612.78	0.00		
5	0.00	138.81	0.00	-5.023	-4.269	0.00	-592.60		
6	10.86	0.00	34577.94	-5.280	-4.276	-57.36	0.00		
7	48.45	0.00	294.96	7.119	6.797	344.90	0.00		
8	0.00	49.70	0.00	7.049	6.834	0.00	339.68		
9	1.04	0.00	13166.72	7.026	6.759	7.31	0.00		
10	29.64	0.00	79.05	-1.365	-1.044	-40.45	0.00		
11	0.00	30.16	0.00	-1.308	-1.138	0.00	-34.32		
12	0.30	0.00	8523.88	-1.566	-1.285	-0.47	0.00		
13	20.87	0.00	31.77	3.786	3.571	79.03	0.00		
14	0.00	20.97	0.00	3.640	3.649	0.00	76.52		
15	0.10	0.00	6061.79	3.472	3.739	0.36	0.00		
16	14.53	0.00	11.20	-0.088	0.131	-1.27	0.00		
17	0.00	14.45	0.00	0.019	-0.009	0.00	-0.13		
18	0.04	0.00	3907.32	-0.178	1.882	-0.01	0.00		
19	9.60	0.00	5.81	2.574	2.299	24.70	0.00		
20	0.00	9.52	0.00	2.381	2.510	0.00	23.89		
Comb	589.43	594.73	153127.61			18116.00	18292.63		

ESTIMACIÓN DE RIGIDECES DE ENTREPISO

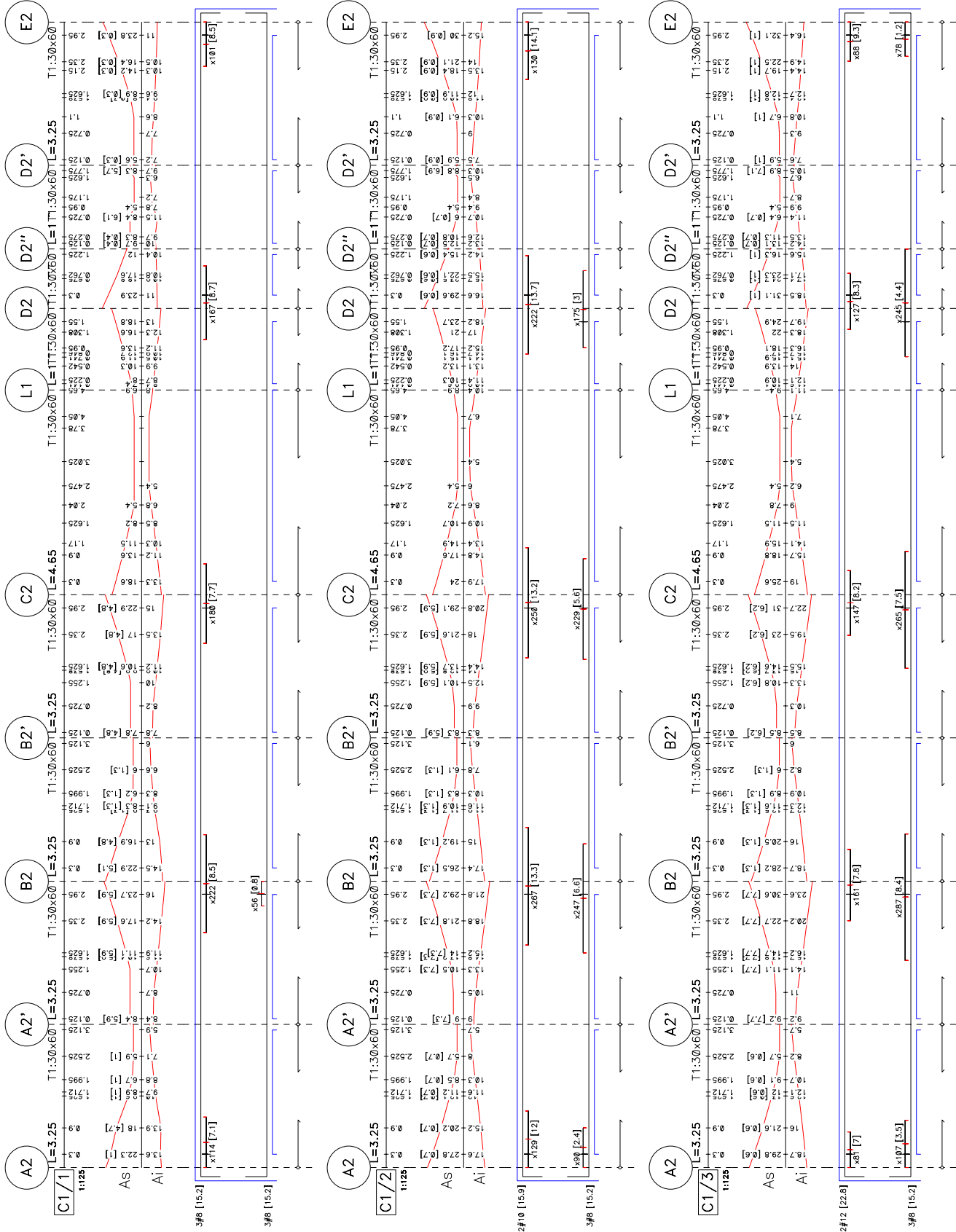
Nivel	Cortante		Desplaz*Q en CM		Desplaz.Relativo		Rigidez de Entrepiso	
	X (T)	Y (T)	X (m)	Y (m)	X (m)	Y (m)	X (T/m)	Y (T/m)
15	82.24	83.86	0.12154	0.12486	0.00230	0.00280	35771.52	29976.03
14	151.20	154.19	0.11925	0.12206	0.00230	0.00280	65764.76	55116.41
13	212.34	216.26	0.11580	0.11816	0.00345	0.00390	61540.01	55394.74
12	267.36	271.82	0.11113	0.11306	0.00467	0.00510	57307.19	53318.86
11	316.58	321.29	0.10528	0.10681	0.00585	0.00625	54116.28	51376.26
10	360.79	365.53	0.09831	0.09947	0.00697	0.00734	51769.22	49818.11
9	400.67	405.31	0.09030	0.09113	0.00801	0.00834	50024.27	48623.27
8	436.93	441.47	0.08134	0.08190	0.00896	0.00924	48778.83	47792.32
7	469.90	474.38	0.07157	0.07189	0.00977	0.01000	48083.32	47426.30
6	499.92	504.44	0.06125	0.06140	0.01032	0.01050	48435.30	48049.97
5	526.82	531.47	0.05059	0.05061	0.01066	0.01078	49427.63	49293.89
4	550.11	554.94	0.03952	0.03947	0.01108	0.01115	49670.25	49783.39
3	568.77	573.80	0.02830	0.02823	0.01121	0.01123	50720.16	51073.45
2	582.26	587.45	0.01734	0.01729	0.01097	0.01095	53094.66	53669.78
1	589.43	594.73	0.00715	0.00714	0.01019	0.01015	57849.02	58597.85

SISMO EN DIRECCION X

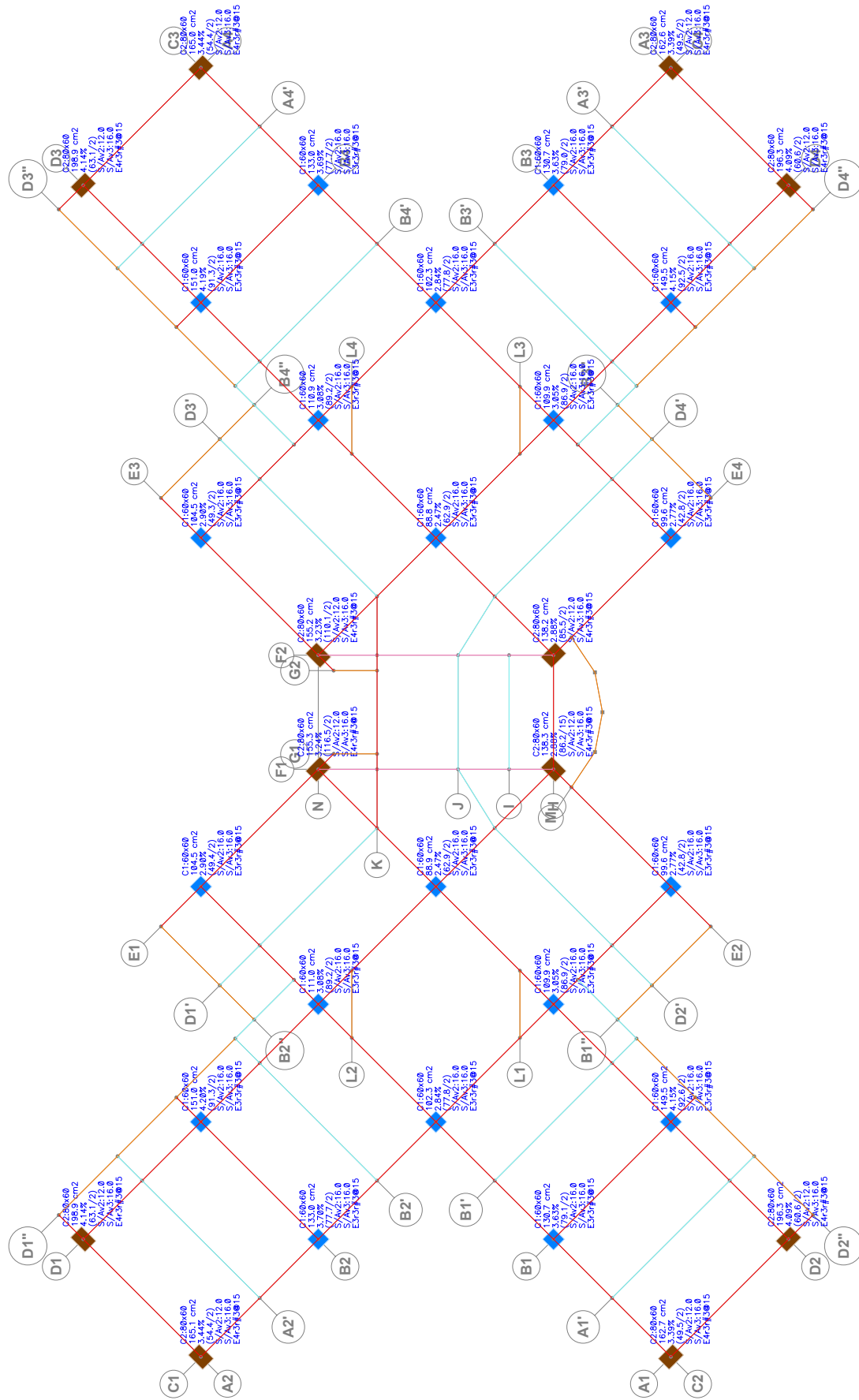
Nudo	Respuestas totales			Centro de masa		Ex.Accid. 0.1b (m)	Ex.Din ed (m)	Posición F. Sísmicas	
	Fx (T)	Fy (T)	Mz (T*m)	x (m)	y (m)			Y1 (m)	Y2 (m)
Df: C1+D2/15	81.72	0.01	204.61	23.204	9.138	2.949	2.504	14.590	3.685
2639(D2)/15	0.26	0.00		22.681	15.489	2.949		18.437	12.540
2640(D4)/15	0.26	0.00		23.736	15.489	2.949		18.437	12.540
Df: C1+D2/14	68.96	0.00	183.99	23.208	9.237	2.949	2.668	14.854	3.620
Df: C1+D2/13	61.14	0.00	167.10	23.208	9.237	2.949	2.733	14.919	3.556
Df: C1+D2/12	55.02	0.00	151.21	23.208	9.237	2.949	2.748	14.934	3.540
Df: C1+D2/11	49.22	0.00	136.12	23.208	9.237	2.949	2.766	14.952	3.523
Df: C1+D2/10	44.21	0.00	122.38	23.208	9.237	2.949	2.768	14.954	3.521
Df: C1+D2/9	39.88	0.00	110.18	23.208	9.237	2.949	2.763	14.949	3.526
Df: C1+D2/8	36.26	0.00	99.40	23.208	9.237	2.949	2.741	14.927	3.548
Df: C1+D2/7	32.97	0.00	89.54	23.208	9.237	2.949	2.716	14.902	3.573
Df: C1+D2/6	30.02	0.00	79.95	23.208	9.237	2.949	2.663	14.849	3.626
Df: C1+D2/5	26.90	0.00	69.77	23.208	9.237	2.949	2.594	14.779	3.695
Df: C1+D2/4	23.29	0.00	57.90	23.208	9.237	2.949	2.486	14.672	3.803
Df: C1+D2/3	18.65	0.00	44.03	23.208	9.237	2.949	2.361	14.546	3.928
Df: C1+D2/2	13.49	0.00	28.34	23.208	9.237	2.949	2.101	14.287	4.187
Df: C1+D2/1	7.18	0.00	12.08	23.208	9.153	2.949	1.682	13.784	4.522
SUMA	589.43	0.04	1556.59						

SISMO EN DIRECCION Y

Nudo	Respuestas totales			Centro de masa		Ex.Accid. 0.1b (m)	Ex.Din ed (m)	Posición F.Sísmicas		12
	Fx (T)	Fy (T)	Mz (T*m)	x (m)	y (m)			X1 (m)	X2 (m)	
Df: C1+D2/15	0.00	83.33	0.41	23.204	9.138	5.042	0.005	28.250	18.157	
2639(D2)/15	0.00	0.26		22.681	15.489	5.042		27.723	17.639	
2640(D4)/15	0.00	0.26		23.736	15.489	5.042		28.777	18.694	
Df: C1+D2/14	0.00	70.33	0.30	23.208	9.237	5.042	0.004	28.254	18.162	
Df: C1+D2/13	0.00	62.06	0.30	23.208	9.237	5.042	0.005	28.255	18.162	
Df: C1+D2/12	0.00	55.56	0.27	23.208	9.237	5.042	0.005	28.255	18.162	
Df: C1+D2/11	0.00	49.47	0.22	23.208	9.237	5.042	0.004	28.254	18.162	
Df: C1+D2/10	0.00	44.24	0.21	23.208	9.237	5.042	0.005	28.255	18.162	
Df: C1+D2/9	0.00	39.79	0.19	23.208	9.237	5.042	0.005	28.255	18.162	
Df: C1+D2/8	0.00	36.15	0.16	23.208	9.237	5.042	0.005	28.255	18.162	
Df: C1+D2/7	0.00	32.91	0.16	23.208	9.237	5.042	0.005	28.255	18.162	
Df: C1+D2/6	0.00	30.06	0.14	23.208	9.237	5.042	0.005	28.255	18.162	
Df: C1+D2/5	0.00	27.03	0.12	23.208	9.237	5.042	0.004	28.254	18.162	
Df: C1+D2/4	0.00	23.47	0.11	23.208	9.237	5.042	0.005	28.255	18.162	
Df: C1+D2/3	0.00	18.85	0.08	23.208	9.237	5.042	0.004	28.254	18.163	
Df: C1+D2/2	0.00	13.66	0.05	23.208	9.237	5.042	0.004	28.254	18.163	
Df: C1+D2/1	0.00	7.28	0.03	23.208	9.153	5.042	0.004	28.254	18.162	
SUMA	0.04	594.73	2.75							



Nivel 1



Nivel 3

