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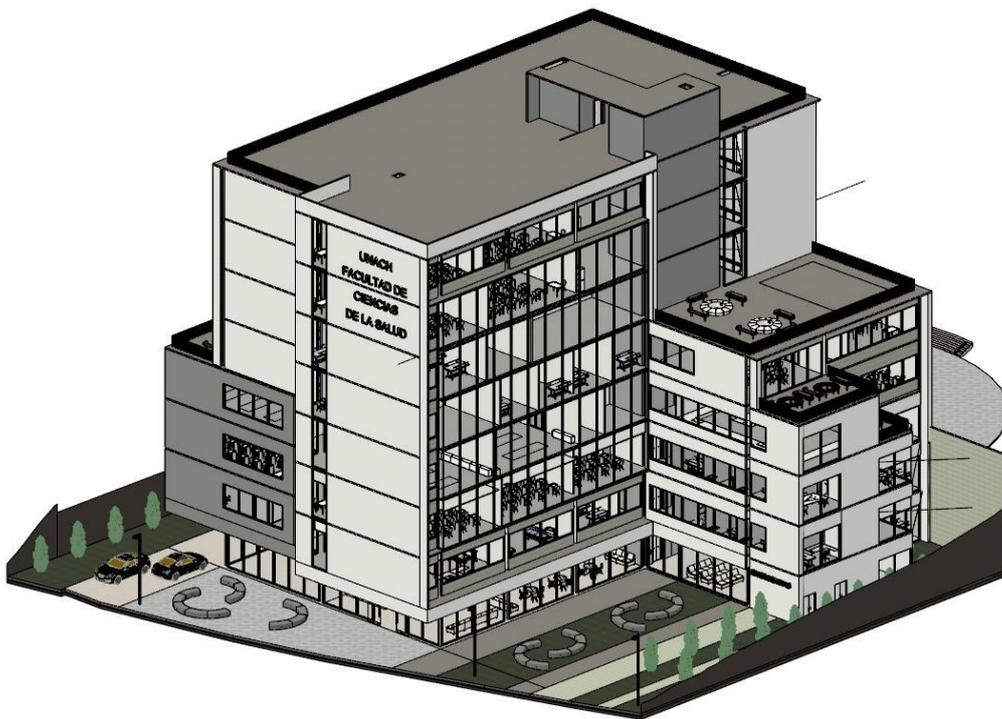
HERNÁN COLOMA
CONSULTORÍA Y CONSTRUCCIÓN

MEMORIA DE CÁLCULO

INGENIERÍA ESTRUCTURAL

EDIFICIO DE LA FACULTAD DE CIENCIAS DE LA SALUD

ELABORADO POR

ING. HERNÁN ALBERTO COLOMA P.

JUNIO DE 2024

MEMORIA DE CÁLCULO
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"CONSULTORIA PARA LOS ESTUDIOS DEFINITIVOS DE LA CONSTRUCCION DEL EDIFICIO DE LA
FACULTAD DE CIENCIAS DE LA SALUD DE LA UNACH CAMPUS EDISON RIERA Y DEL EDIFICIO
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DISEÑO ESTRUCTURAL
CIMENTACIÓN EDIFICIO DE LA FACULTAD DE CIENCIAS DE LA SALUD

1. INTRODUCCIÓN

En la presente sinopsis se detalla el procedimiento de diseño de cimentación, desarrollado como parte de la "*CONSULTORIA PARA LOS ESTUDIOS DEFINITIVOS DE LA CONSTRUCCION DEL EDIFICIO DE LA FACULTAD DE CIENCIAS DE LA SALUD DE LA UNACH CAMPUS EDISON RIERA Y DEL EDIFICIO ADMINISTRATIVO Y POSGRADO DE LA UNACH CAMPUS DOLOROSA, AÑO 2023*", particularmente del Edificio de la facultad de ciencias de la Salud, ubicado la ciudad de Riobamba, provincia de Chimborazo.

1.1. GEOMETRÍA:

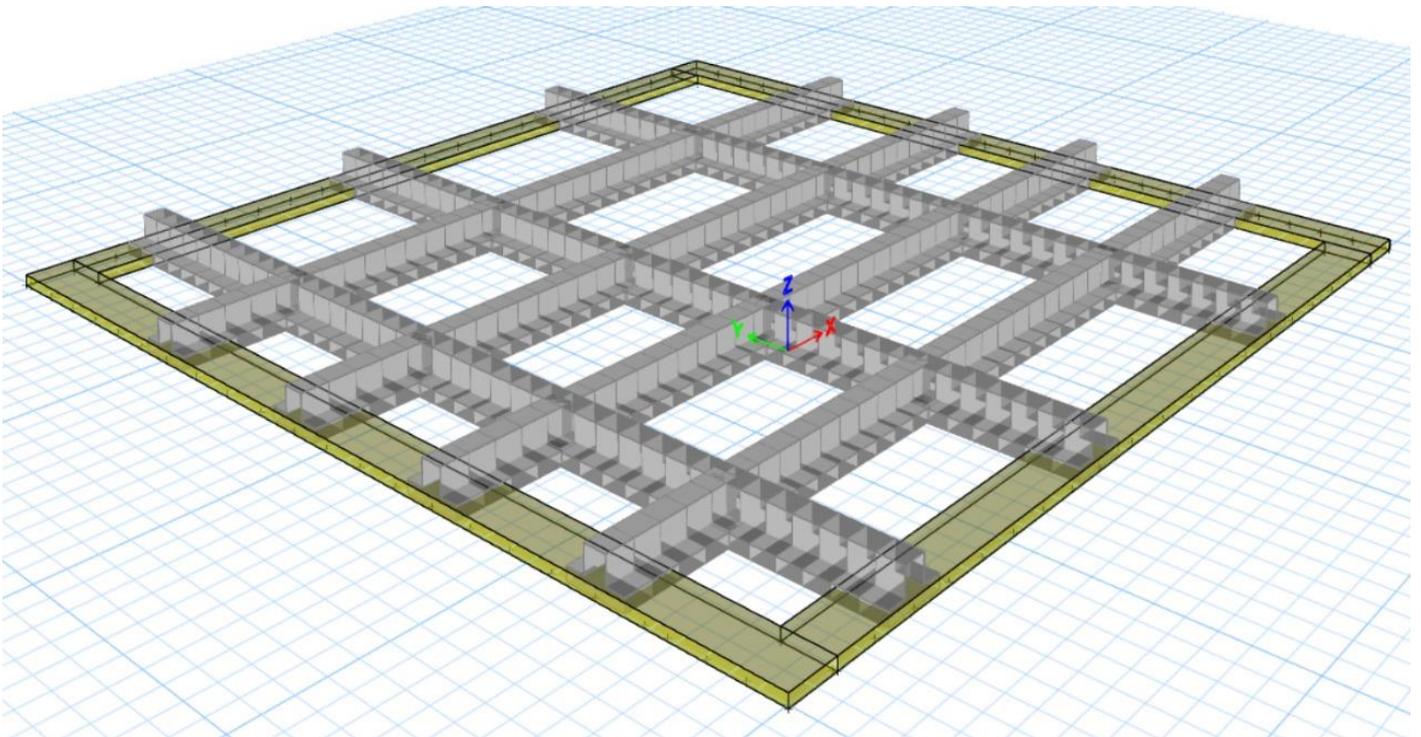La cimentación está conformada por vigas bidireccionales con zapata corrida para los muros de subsuelo.

Ilustración 1. Modelo General

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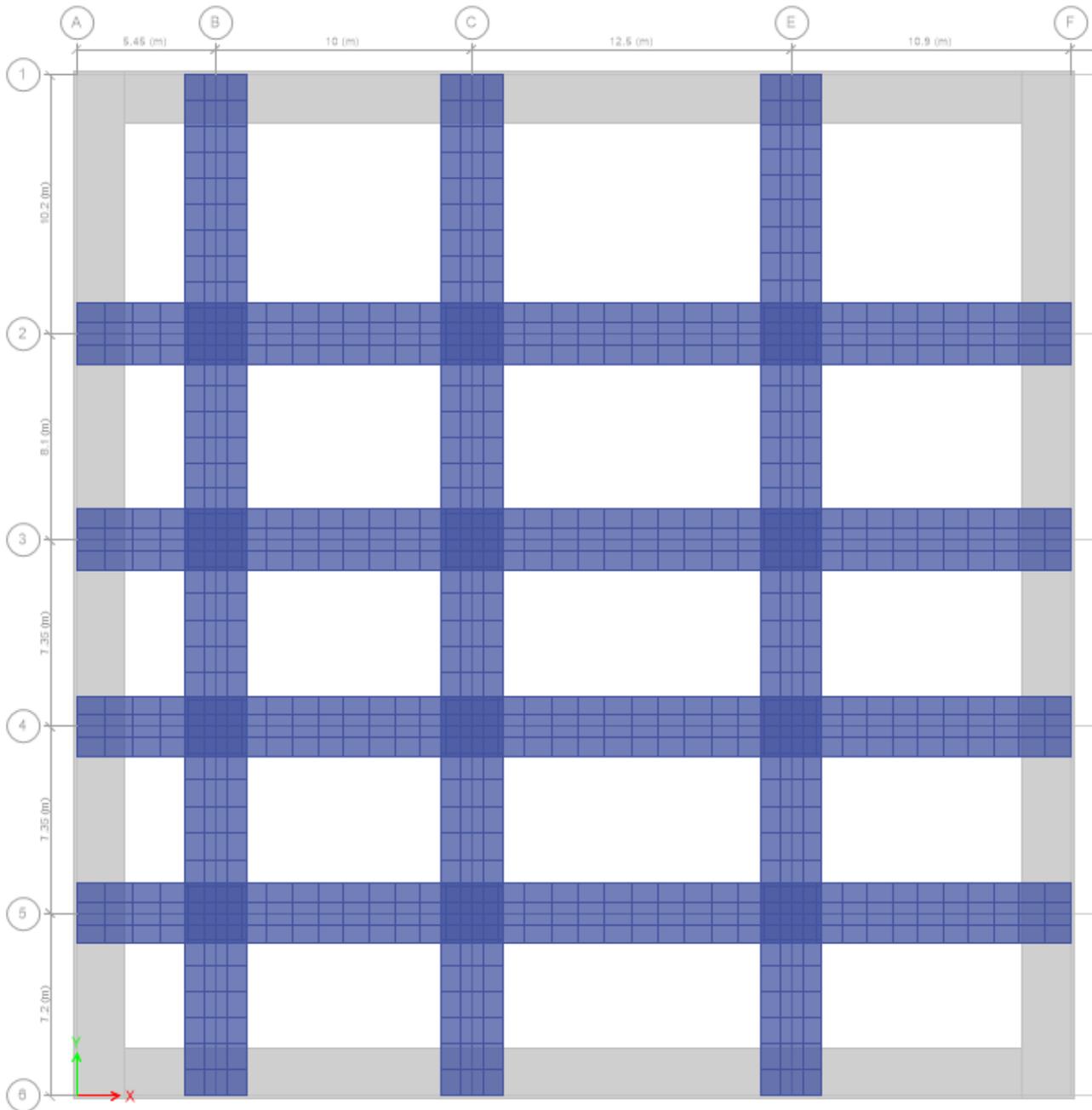
2. ASPECTOS DEL DISEÑO ESTRUCTURAL

2.1. SUBESTRUCTURA

La subestructura está conformada por zapatas aisladas y zapatas corridas, diseñada tomando en cuenta las conclusiones y recomendaciones del Estudio de Suelos realizado por el Ing. Alfonso Fernández, SISMOTERRA, con fecha mayo 2024.

- Perfil de suelo especificado en el estudio de suelos corresponde al tipo "C". Según NEC-SE-DS-2015.

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- Zona sísmica V, Z=0.40g.

- Fa=1.20, Fd=1.30, Fs=1.30; NEC-SE-DS-2015, Capitulo 3.2.2, Tablas 3, 4, 5.

3. ASPECTOS DE LA MODELACIÓN

Para la modelación tridimensional de la estructura se utilizó el programa de diseño estructural por elementos finitos ETABS 20.3.0, a los cuales, se ingresaron parámetros de diseño según los códigos enlistados a continuación en el numeral 4.
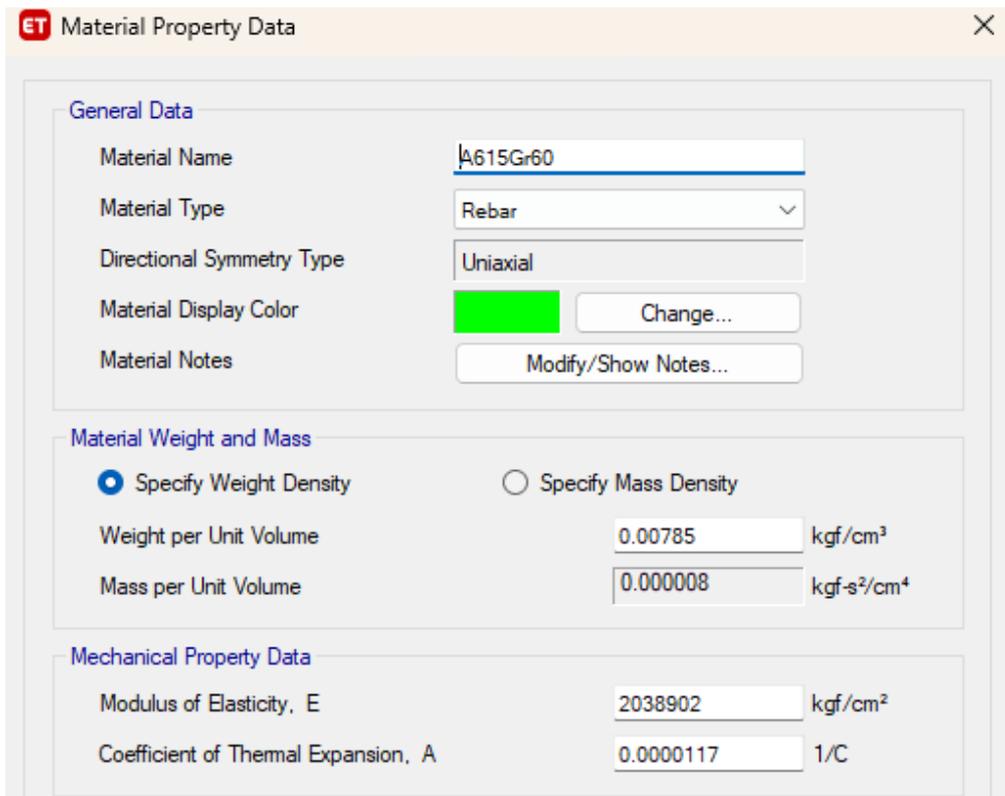
Se realizó un modelo matemático de la estructura donde se incluyó la distribución espacial de rigideces y masas de todo el sistema estructural resistente, con la finalidad de representar de la manera más aproximada la estructura que se va a estudiar por el método de elementos finitos.

4. MATERIALES UTILIZADOS

- Hormigón

- Acero de refuerzo

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5. SECCIONES UTILIZADAS

En los elementos que conforman la cimentación tenemos:

- Vigas bidireccionales

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- Zapata Corrida de muro

6. DEFINICIÓN DE LAS PROPIEDADES DEL SUELO

- Resortes Viga de cimentación

El balasto se tomó 1868 ton/m^3 multiplicado por el ancho de la viga 2.4 metros

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- Zapata muro

7. COMPROBACIÓN ESFUERZOS EN LA LOSA DE CIMENTACIÓN:

7.1. COMBINACIÓN D+L (SRV):

Zapata

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Plan View - ZP2 - Z = -9.66 (m)   Soil Pressures   (Comb1) [tonf/m²]
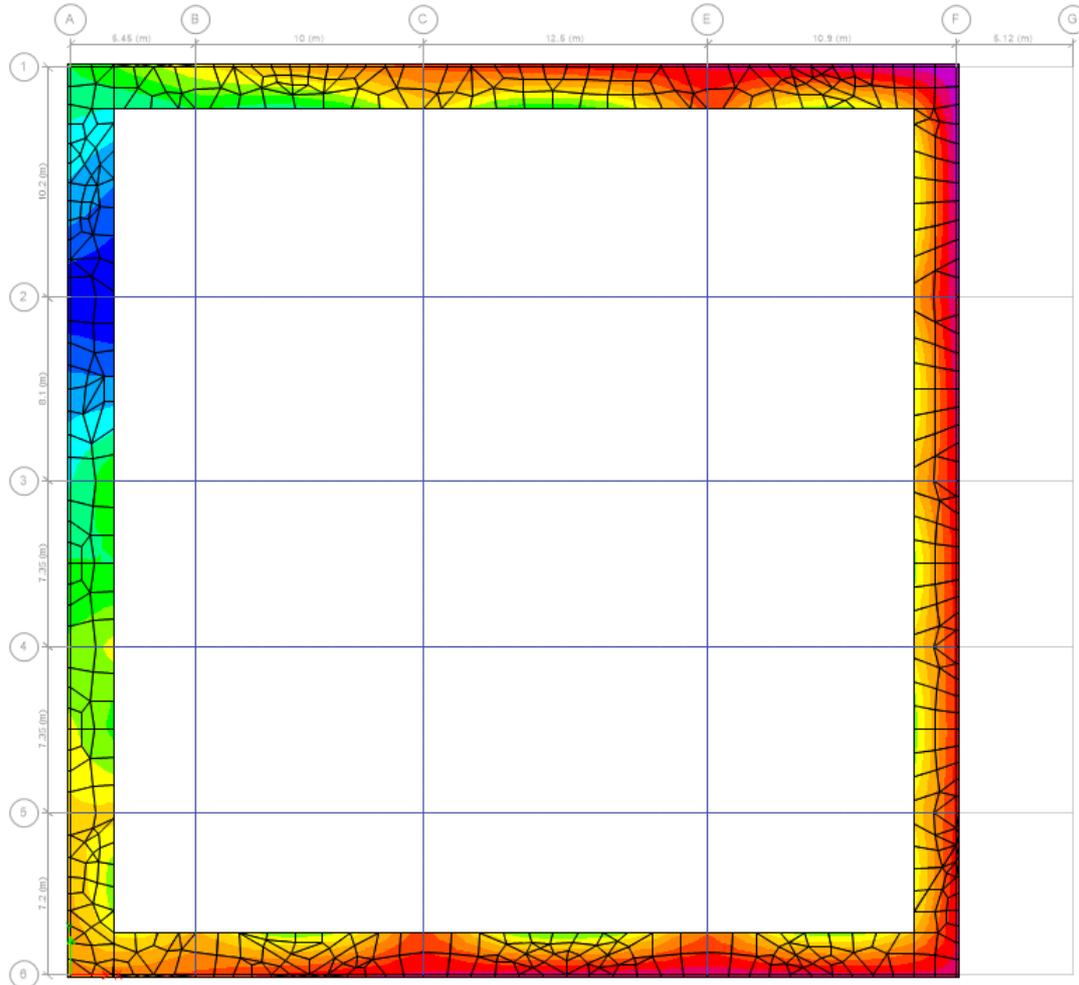
Esfuerzo máximo 18.2 ton/m² menor a capacidad máxima de 20 ton/m²

Vigas Bidireccionales

TABLE: Joint Displacements								
Story	Label	Unique Name	Output Case	Case Type	Ux	Uy	Uz	Qa
					m	m	m	ton/m2
ZP2	2	2	SRV	Combination	-0.001443	0.000092	-0.004557	-8.51248
ZP2	4	2419	SRV	Combination	-0.000093	-0.000071	-0.000116	-0.21669
ZP2	5	2431	SRV	Combination	-0.000144	0.00016	-0.000095	-0.17746
ZP2	6	2425	SRV	Combination	-0.000644	0.00049	-0.002362	-4.41222
ZP2	7	2433	SRV	Combination	-0.000648	0.000211	-0.007334	-13.6999
ZP2	8	2424	SRV	Combination	-0.000434	0.000578	-0.003727	-6.96204
ZP2	9	2430	SRV	Combination	-0.000437	0.000261	-0.006962	-13.005
ZP2	10	2418	SRV	Combination	-0.000304	0.000613	-0.004988	-9.31758

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ZP2	11	2429	SRV	Combination	-0.00031	0.000297	-0.006557	-12.2485
ZP2	12	2426	SRV	Combination	-0.000576	0.000321	-0.006971	-13.0218
ZP2	13	2427	SRV	Combination	-0.000338	0.000134	-0.008397	-15.6856
ZP2	14	4	SRV	Combination	-0.000313	0.000095	-0.010015	-18.708
ZP2	23	6	SRV	Combination	-0.000609	0.00003	-0.010259	-19.1638
ZP2	28	8	SRV	Combination	-0.000232	0.000068	-0.009684	-18.0897
ZP2	35	1	SRV	Combination	-0.001034	2.827E-07	-0.006958	-12.9975
ZP2	41	2441	SRV	Combination	-0.000692	0.000124	-0.000999	-1.86613
ZP2	46	2449	SRV	Combination	-0.000662	0.000033	-0.005536	-10.3412
ZP2	257	2538	SRV	Combination	-0.000188	0.000128	-0.004268	-7.97262
ZP2	259	2546	SRV	Combination	-0.000311	0.000141	-0.006903	-12.8948
ZP2	260	2554	SRV	Combination	-0.000443	0.000109	-0.007672	-14.3313
ZP2	265	3	SRV	Combination	-0.000711	-0.000192	-0.008683	-16.2198
ZP2	267	9	SRV	Combination	-0.00032	-0.00012	-0.008699	-16.2497
ZP2	268	2423	SRV	Combination	-0.0004	-0.00025	-0.009394	-17.548
ZP2	269	2434	SRV	Combination	-0.000602	-0.000055	-0.007705	-14.3929
ZP2	270	2422	SRV	Combination	-0.000637	-0.000214	-0.008906	-16.6364
ZP2	271	7	SRV	Combination	-0.000479	0.000002	-0.007923	-14.8002
ZP2	272	2421	SRV	Combination	-0.000524	-0.000058	-0.008541	-15.9546
ZP2	273	2432	SRV	Combination	-0.000321	0.000002	-0.007678	-14.3425
ZP2	274	2420	SRV	Combination	-0.000353	0.000158	-0.008633	-16.1264
ZP2	275	2428	SRV	Combination	-0.000054	0.000068	-0.009084	-16.9689
ZP2	742	2435	SRV	Combination	-0.000632	0.000096	-0.010312	-19.2628
ZP2	776	2606	SRV	Combination	-0.000382	0.000049	-0.008919	-16.6607
ZP2	17	2436	SRV	Combination	-0.000481	-0.000166	-0.008145	-15.2149
ZP2	403	2437	SRV	Combination	-0.000191	0.000152	0.000049	0.091532
ZP2	404	2438	SRV	Combination	-0.000274	0.000145	-3.643E-07	-0.00068
ZP2	405	2439	SRV	Combination	-0.000388	0.000138	-0.000207	-0.38668
ZP2	406	2440	SRV	Combination	-0.00053	0.000131	-0.000545	-1.01806
ZP2	407	2442	SRV	Combination	-0.000868	0.000117	-0.001559	-2.91221
ZP2	408	2443	SRV	Combination	-0.001045	0.000109	-0.002216	-4.13949
ZP2	409	2444	SRV	Combination	-0.001211	0.000102	-0.002957	-5.52368
ZP2	410	2445	SRV	Combination	-0.001339	0.000097	-0.003758	-7.01994
ZP2	411	10	SRV	Combination	-0.000258	0.000061	-0.009088	-16.9764
ZP2	412	2446	SRV	Combination	-0.000322	0.000054	-0.008149	-15.2223
ZP2	413	2447	SRV	Combination	-0.000416	0.000047	-0.007129	-13.317
ZP2	414	2448	SRV	Combination	-0.000532	0.00004	-0.006214	-11.6078
ZP2	415	2450	SRV	Combination	-0.000793	0.000026	-0.005173	-9.66316
ZP2	416	2451	SRV	Combination	-0.000913	0.000019	-0.005164	-9.64635
ZP2	418	2452	SRV	Combination	-0.001004	0.000012	-0.005505	-10.2833
ZP2	442	2453	SRV	Combination	-0.001036	0.000005	-0.006153	-11.4938
ZP2	445	2454	SRV	Combination	-0.000544	-0.000172	-0.007897	-14.7516
ZP2	446	2455	SRV	Combination	-0.000606	-0.000178	-0.007743	-14.4639
ZP2	447	2456	SRV	Combination	-0.000661	-0.000184	-0.007805	-14.5797
ZP2	448	2457	SRV	Combination	-0.000693	-0.000189	-0.00815	-15.2242
ZP2	469	11	SRV	Combination	-0.000319	-0.000129	-0.008662	-16.1806
ZP2	470	2458	SRV	Combination	-0.000336	-0.000138	-0.008505	-15.8873
ZP2	471	2459	SRV	Combination	-0.00037	-0.000147	-0.008353	-15.6034
ZP2	472	2460	SRV	Combination	-0.000419	-0.000156	-0.008247	-15.4054
ZP2	473	2461	SRV	Combination	-0.000059	0.000062	-0.00817	-15.2616
ZP2	474	2462	SRV	Combination	-0.000078	0.000054	-0.007454	-13.9241
ZP2	475	2463	SRV	Combination	-0.00012	0.000043	-0.007067	-13.2012
ZP2	476	2464	SRV	Combination	-0.000173	0.000033	-0.007005	-13.0853
ZP2	477	2465	SRV	Combination	-0.000231	0.000023	-0.007188	-13.4272
ZP2	478	2466	SRV	Combination	-0.000283	0.000013	-0.007479	-13.9708
ZP2	479	2467	SRV	Combination	-0.000531	0.000319	-0.006343	-11.8487
ZP2	507	2468	SRV	Combination	-0.000488	0.000316	-0.005875	-10.9745
ZP2	508	2469	SRV	Combination	-0.000446	0.000312	-0.005669	-10.5897

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ZP2	603	2470	SRV	Combination	-0.000408	0.000308	-0.005715	-10.6756
ZP2	605	2471	SRV	Combination	-0.000374	0.000305	-0.005957	-11.1277
ZP2	607	2472	SRV	Combination	-0.000342	0.000301	-0.006289	-11.7479
ZP2	613	2473	SRV	Combination	-0.000347	0.000129	-0.007838	-14.6414
ZP2	614	2474	SRV	Combination	-0.000349	0.000124	-0.007525	-14.0567
ZP2	615	2475	SRV	Combination	-0.000343	0.000118	-0.007583	-14.165
ZP2	616	2476	SRV	Combination	-0.000334	0.000113	-0.007993	-14.9309
ZP2	617	2477	SRV	Combination	-0.000325	0.000107	-0.008659	-16.175
ZP2	618	12	SRV	Combination	-0.000318	0.000101	-0.009414	-17.5854
ZP2	619	2478	SRV	Combination	-0.000605	-0.000064	-0.007337	-13.7055
ZP2	620	2479	SRV	Combination	-0.000609	-0.000073	-0.006675	-12.4689
ZP2	621	2480	SRV	Combination	-0.000612	-0.000084	-0.005933	-11.0828
ZP2	622	2481	SRV	Combination	-0.000615	-0.000096	-0.005275	-9.8537
ZP2	634	2482	SRV	Combination	-0.000619	-0.00011	-0.004823	-9.00936
ZP2	635	2483	SRV	Combination	-0.000622	-0.000126	-0.004662	-8.70862
ZP2	636	2484	SRV	Combination	-0.000625	-0.000144	-0.004848	-9.05606
ZP2	658	2485	SRV	Combination	-0.000629	-0.000163	-0.005403	-10.0928
ZP2	659	2486	SRV	Combination	-0.000632	-0.000182	-0.006318	-11.802
ZP2	660	2487	SRV	Combination	-0.000635	-0.000199	-0.007535	-14.0754
ZP2	682	2488	SRV	Combination	-0.000324	0.000018	-0.007275	-13.5897
ZP2	683	2489	SRV	Combination	-0.000328	0.000025	-0.006578	-12.2877
ZP2	684	2490	SRV	Combination	-0.000331	0.000027	-0.005799	-10.8325
ZP2	685	2491	SRV	Combination	-0.000334	0.000027	-0.005101	-9.52867
ZP2	738	2492	SRV	Combination	-0.000337	0.000026	-0.004606	-8.60401
ZP2	739	2493	SRV	Combination	-0.000341	0.000029	-0.004402	-8.22294
ZP2	741	2494	SRV	Combination	-0.000344	0.000036	-0.004547	-8.4938
ZP2	744	2495	SRV	Combination	-0.000347	0.00005	-0.005068	-9.46702
ZP2	760	2496	SRV	Combination	-0.00035	0.000074	-0.005968	-11.1482
ZP2	761	2497	SRV	Combination	-0.000352	0.000112	-0.007197	-13.444
ZP2	762	2498	SRV	Combination	-0.000484	0.000006	-0.007502	-14.0137
ZP2	763	2499	SRV	Combination	-0.000488	0.000004	-0.006774	-12.6538
ZP2	764	2500	SRV	Combination	-0.000493	-0.000004	-0.005956	-11.1258
ZP2	765	2501	SRV	Combination	-0.000497	-0.000015	-0.005216	-9.74349
ZP2	766	2502	SRV	Combination	-0.000502	-0.000029	-0.004679	-8.74037
ZP2	767	2503	SRV	Combination	-0.000507	-0.000043	-0.004435	-8.28458
ZP2	768	2504	SRV	Combination	-0.000511	-0.000056	-0.004543	-8.48632
ZP2	769	2505	SRV	Combination	-0.000516	-0.000066	-0.005034	-9.40351
ZP2	770	2506	SRV	Combination	-0.00052	-0.00007	-0.005908	-11.0361
ZP2	771	2507	SRV	Combination	-0.000523	-0.000067	-0.007118	-13.2964
ZP2	772	2508	SRV	Combination	-0.000328	-0.000127	-0.00826	-15.4297
ZP2	773	2509	SRV	Combination	-0.000336	-0.000135	-0.007488	-13.9876
ZP2	774	2510	SRV	Combination	-0.000344	-0.000143	-0.006622	-12.3699
ZP2	777	2511	SRV	Combination	-0.000351	-0.000154	-0.005845	-10.9185
ZP2	778	2512	SRV	Combination	-0.000359	-0.000168	-0.005294	-9.88919
ZP2	779	2513	SRV	Combination	-0.000367	-0.000184	-0.005062	-9.45582
ZP2	780	2514	SRV	Combination	-0.000374	-0.000201	-0.005209	-9.73041
ZP2	781	2515	SRV	Combination	-0.000382	-0.000218	-0.005759	-10.7578
ZP2	782	2516	SRV	Combination	-0.00039	-0.000234	-0.0067	-12.5156
ZP2	783	2517	SRV	Combination	-0.000396	-0.000244	-0.007969	-14.8861
ZP2	784	2518	SRV	Combination	-0.000643	0.000444	-0.003154	-5.89167
ZP2	785	2519	SRV	Combination	-0.000643	0.00039	-0.004111	-7.67935
ZP2	786	2520	SRV	Combination	-0.000645	0.000325	-0.00521	-9.73228
ZP2	787	2521	SRV	Combination	-0.000646	0.000262	-0.006339	-11.8413
ZP2	788	2522	SRV	Combination	-0.000094	-0.000053	-0.000067	-0.12516
ZP2	789	2523	SRV	Combination	-0.000103	-0.000013	0.00002	0.03736
ZP2	790	2524	SRV	Combination	-0.000117	0.000049	0.000096	0.179328
ZP2	791	2525	SRV	Combination	-0.00013	0.000112	0.000086	0.160648
ZP2	792	2526	SRV	Combination	-0.000434	0.000567	-0.004207	-7.85868

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ZP2	793	2527	SRV	Combination	-0.000434	0.000515	-0.004837	-9.03552
ZP2	794	2528	SRV	Combination	-0.000435	0.000418	-0.005599	-10.4589
ZP2	795	2529	SRV	Combination	-0.000436	0.000322	-0.006367	-11.8936
ZP2	796	2530	SRV	Combination	-0.000305	0.000581	-0.005081	-9.49131
ZP2	797	2531	SRV	Combination	-0.000306	0.000524	-0.005327	-9.95084
ZP2	798	2532	SRV	Combination	-0.000307	0.00044	-0.005734	-10.7111
ZP2	799	2533	SRV	Combination	-0.000308	0.000358	-0.006198	-11.5779
ZP2	819	2534	SRV	Combination	-0.000153	0.000175	-0.000526	-0.98257
ZP2	828	2535	SRV	Combination	-0.000161	0.000175	-0.00118	-2.20424
ZP2	829	2536	SRV	Combination	-0.00017	0.000165	-0.002037	-3.80512
ZP2	830	2537	SRV	Combination	-0.000179	0.000148	-0.003075	-5.7441
ZP2	831	2539	SRV	Combination	-0.000197	0.000108	-0.005568	-10.401
ZP2	832	2540	SRV	Combination	-0.000205	0.00009	-0.006903	-12.8948
ZP2	833	2541	SRV	Combination	-0.000214	0.000077	-0.008156	-15.2354
ZP2	834	13	SRV	Combination	-0.000223	0.000069	-0.00916	-17.1109
ZP2	835	2542	SRV	Combination	-0.00031	0.00026	-0.006533	-12.2036
ZP2	836	2543	SRV	Combination	-0.00031	0.000224	-0.006434	-12.0187
ZP2	837	2544	SRV	Combination	-0.000311	0.000192	-0.006406	-11.9664
ZP2	838	2545	SRV	Combination	-0.000311	0.000164	-0.006546	-12.2279
ZP2	839	2547	SRV	Combination	-0.000312	0.000124	-0.007478	-13.9689
ZP2	840	2548	SRV	Combination	-0.000312	0.000111	-0.008219	-15.3531
ZP2	841	2549	SRV	Combination	-0.000312	0.000103	-0.009017	-16.8438
ZP2	842	14	SRV	Combination	-0.000313	0.000098	-0.009698	-18.1159
ZP2	843	2550	SRV	Combination	-0.000438	0.000236	-0.007067	-13.2012
ZP2	844	2551	SRV	Combination	-0.000439	0.000204	-0.00705	-13.1694
ZP2	845	2552	SRV	Combination	-0.00044	0.000171	-0.007078	-13.2217
ZP2	846	2553	SRV	Combination	-0.000442	0.000139	-0.007265	-13.571
ZP2	847	2555	SRV	Combination	-0.000444	0.000084	-0.008303	-15.51
ZP2	848	2556	SRV	Combination	-0.000445	0.000066	-0.009105	-17.0081
ZP2	849	15	SRV	Combination	-0.000446	0.000056	-0.009957	-18.5997
ZP2	850	16	SRV	Combination	-0.000448	0.000054	-0.010666	-19.9241
ZP2	851	17	SRV	Combination	-0.000608	0.000017	-0.009356	-17.477
ZP2	852	2557	SRV	Combination	-0.000608	0.000008	-0.008215	-15.3456
ZP2	853	2558	SRV	Combination	-0.000607	3.485E-08	-0.007083	-13.231
ZP2	854	2559	SRV	Combination	-0.000607	-0.000006	-0.006131	-11.4527
ZP2	855	2560	SRV	Combination	-0.000606	-0.000011	-0.005466	-10.2105
ZP2	856	2561	SRV	Combination	-0.000605	-0.000015	-0.005142	-9.60526
ZP2	857	2562	SRV	Combination	-0.000605	-0.000019	-0.005167	-9.65196
ZP2	858	2563	SRV	Combination	-0.000604	-0.000024	-0.005506	-10.2852
ZP2	859	2564	SRV	Combination	-0.000604	-0.00003	-0.006081	-11.3593
ZP2	860	2565	SRV	Combination	-0.000603	-0.000037	-0.006768	-12.6426
ZP2	861	2566	SRV	Combination	-0.000603	-0.000045	-0.007389	-13.8027
ZP2	862	18	SRV	Combination	-0.000239	0.000068	-0.009302	-17.3761
ZP2	863	2567	SRV	Combination	-0.000246	0.000062	-0.008508	-15.8929
ZP2	864	2568	SRV	Combination	-0.000254	0.00005	-0.007592	-14.1819
ZP2	865	2569	SRV	Combination	-0.000261	0.000035	-0.006765	-12.637
ZP2	866	2570	SRV	Combination	-0.000269	0.000016	-0.006171	-11.5274
ZP2	867	2571	SRV	Combination	-0.000276	-0.000004	-0.00589	-11.0025
ZP2	868	2572	SRV	Combination	-0.000283	-0.000026	-0.005951	-11.1165
ZP2	869	2573	SRV	Combination	-0.000291	-0.000048	-0.006332	-11.8282
ZP2	870	2574	SRV	Combination	-0.000298	-0.00007	-0.006958	-12.9975
ZP2	871	2575	SRV	Combination	-0.000306	-0.00009	-0.007701	-14.3855
ZP2	872	2576	SRV	Combination	-0.000313	-0.000107	-0.008369	-15.6333
ZP2	873	19	SRV	Combination	-0.000451	0.000069	-0.010318	-19.274
ZP2	874	2577	SRV	Combination	-0.000454	0.000069	-0.009266	-17.3089
ZP2	875	2578	SRV	Combination	-0.000456	0.000063	-0.008109	-15.1476
ZP2	876	2579	SRV	Combination	-0.000459	0.000053	-0.007065	-13.1974
ZP2	877	2580	SRV	Combination	-0.000461	0.000042	-0.006275	-11.7217

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ZP2	878	2581	SRV	Combination	-0.000464	0.000029	-0.005818	-10.868
ZP2	879	2582	SRV	Combination	-0.000466	0.000017	-0.00572	-10.685
ZP2	880	2583	SRV	Combination	-0.000469	0.000007	-0.005954	-11.1221
ZP2	881	2584	SRV	Combination	-0.000471	-0.000001	-0.006446	-12.0411
ZP2	882	2585	SRV	Combination	-0.000474	-0.000005	-0.007071	-13.2086
ZP2	883	2586	SRV	Combination	-0.000476	-0.000004	-0.007645	-14.2809
ZP2	884	20	SRV	Combination	-0.000314	0.000086	-0.009483	-17.7142
ZP2	885	2587	SRV	Combination	-0.000314	0.000073	-0.008564	-15.9976
ZP2	886	2588	SRV	Combination	-0.000315	0.000057	-0.007542	-14.0885
ZP2	887	2589	SRV	Combination	-0.000316	0.000039	-0.006619	-12.3643
ZP2	888	2590	SRV	Combination	-0.000316	0.000021	-0.005928	-11.0735
ZP2	889	2591	SRV	Combination	-0.000317	0.000005	-0.005544	-10.3562
ZP2	890	2592	SRV	Combination	-0.000318	-0.000009	-0.00549	-10.2553
ZP2	891	2593	SRV	Combination	-0.000318	-0.000019	-0.005745	-10.7317
ZP2	892	2594	SRV	Combination	-0.000319	-0.000024	-0.006238	-11.6526
ZP2	893	2595	SRV	Combination	-0.00032	-0.000023	-0.00685	-12.7958
ZP2	894	2596	SRV	Combination	-0.00032	-0.000015	-0.007408	-13.8381
ZP2	895	2597	SRV	Combination	-0.000588	0.000205	-0.006615	-12.3568
ZP2	896	2598	SRV	Combination	-0.000504	0.000198	-0.005597	-10.4552
ZP2	897	2599	SRV	Combination	-0.00041	0.000192	-0.004445	-8.30326
ZP2	898	2600	SRV	Combination	-0.000317	0.000185	-0.003282	-6.13078
ZP2	899	2601	SRV	Combination	-0.000235	0.000179	-0.002199	-4.10773
ZP2	900	2602	SRV	Combination	-0.000173	0.000173	-0.001267	-2.36676
ZP2	901	2603	SRV	Combination	-0.00014	0.000166	-0.000546	-1.01993
ZP2	902	21	SRV	Combination	-0.000574	0.000035	-0.009838	-18.3774
ZP2	903	2604	SRV	Combination	-0.000517	0.00004	-0.009377	-17.5162
ZP2	904	2605	SRV	Combination	-0.00045	0.000045	-0.009041	-16.8886
ZP2	905	2607	SRV	Combination	-0.00032	0.000054	-0.009023	-16.855
ZP2	906	22	SRV	Combination	-0.000272	0.000059	-0.00929	-17.3537
ZP2	907	23	SRV	Combination	-0.000241	0.000064	-0.009582	-17.8992
ZP2	908	2608	SRV	Combination	-0.000576	-0.000063	-0.007507	-14.0231
ZP2	909	2609	SRV	Combination	-0.000534	-0.000071	-0.007276	-13.5916
ZP2	910	2610	SRV	Combination	-0.000486	-0.000079	-0.007148	-13.3525
ZP2	911	2611	SRV	Combination	-0.000437	-0.000087	-0.007199	-13.4477
ZP2	912	2612	SRV	Combination	-0.000394	-0.000096	-0.00745	-13.9166
ZP2	913	2613	SRV	Combination	-0.000359	-0.000104	-0.00786	-14.6825
ZP2	914	2614	SRV	Combination	-0.000334	-0.000112	-0.008331	-15.5623
ZP2	915	24	SRV	Combination	-0.000489	-0.000006	-0.007818	-14.604
ZP2	916	2615	SRV	Combination	-0.000505	-0.000014	-0.007599	-14.1949
ZP2	917	2616	SRV	Combination	-0.000526	-0.000023	-0.007421	-13.8624
ZP2	918	2617	SRV	Combination	-0.000552	-0.000031	-0.007364	-13.756
ZP2	919	2618	SRV	Combination	-0.000577	-0.000039	-0.007443	-13.9035
ZP2	920	2619	SRV	Combination	-0.000597	-0.000047	-0.007599	-14.1949
ZP2	921	2620	SRV	Combination	-0.000436	0.000254	-0.006939	-12.9621
ZP2	922	2621	SRV	Combination	-0.000463	0.000247	-0.006921	-12.9284
ZP2	923	2622	SRV	Combination	-0.00051	0.00024	-0.006984	-13.0461
ZP2	924	2623	SRV	Combination	-0.000566	0.000233	-0.007141	-13.3394
ZP2	925	2624	SRV	Combination	-0.000618	0.000225	-0.007342	-13.7149
ZP2	926	2625	SRV	Combination	-0.000652	0.000218	-0.007469	-13.9521
ZP2	928	26	SRV	Combination	-0.000488	0.000052	-0.010358	-19.3487
ZP2	929	27	SRV	Combination	-0.000517	0.000048	-0.010086	-18.8406
ZP2	930	28	SRV	Combination	-0.000551	0.000044	-0.009993	-18.6669
ZP2	931	29	SRV	Combination	-0.000582	0.000039	-0.010076	-18.822
ZP2	932	30	SRV	Combination	-0.000605	0.000035	-0.010232	-19.1134
ZP2	933	2626	SRV	Combination	-0.000342	0.000002	-0.007496	-14.0025
ZP2	934	2627	SRV	Combination	-0.000362	0.000002	-0.007272	-13.5841
ZP2	935	2628	SRV	Combination	-0.000385	0.000002	-0.007142	-13.3413
ZP2	936	2629	SRV	Combination	-0.00041	0.000002	-0.007175	-13.4029

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ZP2	937	2630	SRV	Combination	-0.000437	0.000002	-0.007371	-13.769
ZP2	938	2631	SRV	Combination	-0.000461	0.000002	-0.007666	-14.3201
ZP2	939	2632	SRV	Combination	-0.000291	0.000292	-0.006501	-12.1439
ZP2	940	2633	SRV	Combination	-0.000299	0.000287	-0.006376	-11.9104
ZP2	941	2634	SRV	Combination	-0.000327	0.000281	-0.006303	-11.774
ZP2	942	2635	SRV	Combination	-0.000366	0.000276	-0.006347	-11.8562
ZP2	943	2636	SRV	Combination	-0.000405	0.000271	-0.006516	-12.1719
ZP2	944	2637	SRV	Combination	-0.000433	0.000266	-0.006757	-12.6221
ZP2	945	31	SRV	Combination	-0.000313	0.00009	-0.010054	-18.7809
ZP2	946	32	SRV	Combination	-0.000322	0.000085	-0.00995	-18.5866
ZP2	947	33	SRV	Combination	-0.000341	0.000081	-0.009906	-18.5044
ZP2	948	34	SRV	Combination	-0.000366	0.000076	-0.010027	-18.7304
ZP2	949	35	SRV	Combination	-0.000396	0.000071	-0.01032	-19.2778
ZP2	950	36	SRV	Combination	-0.000426	0.000066	-0.010696	-19.9801
ZP2	951	2638	SRV	Combination	-0.000644	0.000178	-0.00799	-14.9253
ZP2	952	2639	SRV	Combination	-0.000641	0.00015	-0.008643	-16.1451
ZP2	953	2640	SRV	Combination	-0.000638	0.000126	-0.009314	-17.3986
ZP2	954	37	SRV	Combination	-0.000634	0.000108	-0.00995	-18.5866
ZP2	955	38	SRV	Combination	-0.00063	0.000092	-0.010389	-19.4067
ZP2	956	39	SRV	Combination	-0.000626	0.000078	-0.010534	-19.6775
ZP2	957	40	SRV	Combination	-0.000622	0.000065	-0.010593	-19.7877
ZP2	958	41	SRV	Combination	-0.000617	0.000054	-0.010609	-19.8176
ZP2	959	42	SRV	Combination	-0.000613	0.000043	-0.010541	-19.6906

Los esfuerzos transmitidos al suelo son menores que la capacidad máxima estática del suelo
20ton/m^2

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7.2. COMBINACIÓN D+L+SX (SRV+SX):

Zapata

Esfuerzo máximo 18.2 ton/m^2 menor a capacidad máxima de 20 ton/m^2

MEMORIA DE CÁLCULO
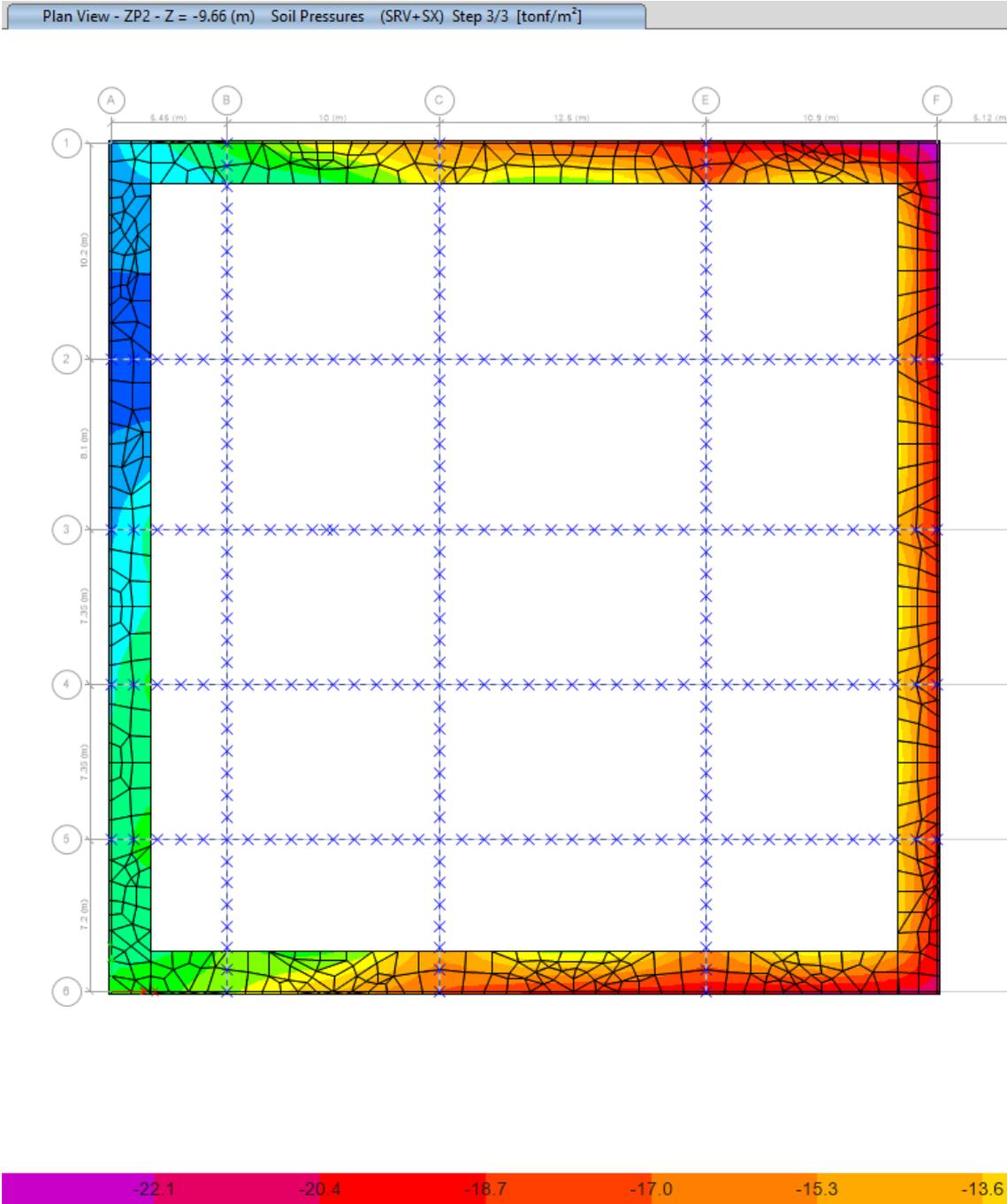**EDIFICIO DE LA FACULTAD DE CIENCIAS DE LA SALUD**

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Vigas Bidireccionales

TABLE: Joint Displacements								
Story	Label	Unique Name	Output Case	Case Type	Ux	Uy	Uz	Qa
					m	m	m	ton/m2
ZP2	2	2	SRV+SX	Combination	-0.001456	0.000026	-0.00381	-7.11708
ZP2	2	2	SRV+SX	Combination	-0.001491	0.000019	-0.003914	-7.31135
ZP2	4	2419	SRV+SX	Combination	-0.00026	-0.000005	-0.000077	-0.14384
ZP2	4	2419	SRV+SX	Combination	-0.000263	-0.000039	-0.000078	-0.1457
ZP2	5	2431	SRV+SX	Combination	-0.000303	0.000088	-0.000097	-0.1812
ZP2	5	2431	SRV+SX	Combination	-0.000305	0.000079	-0.000097	-0.1812
ZP2	6	2425	SRV+SX	Combination	-0.000851	0.000315	-0.001672	-3.1233
ZP2	6	2425	SRV+SX	Combination	-0.000852	0.00029	-0.001721	-3.21483
ZP2	7	2433	SRV+SX	Combination	-0.000871	0.000116	-0.006563	-12.2597
ZP2	7	2433	SRV+SX	Combination	-0.000872	0.000106	-0.006568	-12.269
ZP2	8	2424	SRV+SX	Combination	-0.000598	0.000298	-0.002584	-4.82691
ZP2	8	2424	SRV+SX	Combination	-0.000603	0.000268	-0.002597	-4.8512
ZP2	9	2430	SRV+SX	Combination	-0.000597	0.000141	-0.006738	-12.5866
ZP2	9	2430	SRV+SX	Combination	-0.000602	0.000133	-0.006739	-12.5885
ZP2	10	2418	SRV+SX	Combination	-0.000466	0.000266	-0.003221	-6.01683
ZP2	10	2418	SRV+SX	Combination	-0.000482	0.000231	-0.003274	-6.11583
ZP2	11	2429	SRV+SX	Combination	-0.000459	0.000159	-0.006193	-11.5685
ZP2	11	2429	SRV+SX	Combination	-0.000476	0.000152	-0.006223	-11.6246
ZP2	12	2426	SRV+SX	Combination	-0.000819	0.000179	-0.005238	-9.78458
ZP2	12	2426	SRV+SX	Combination	-0.000847	0.000176	-0.005248	-9.80326
ZP2	13	2427	SRV+SX	Combination	-0.000443	0.000075	-0.008913	-16.6495
ZP2	13	2427	SRV+SX	Combination	-0.000489	0.000064	-0.00912	-17.0362
ZP2	14	4	SRV+SX	Combination	-0.000431	0.000048	-0.010139	-18.9397
ZP2	14	4	SRV+SX	Combination	-0.000449	0.000037	-0.010164	-18.9864
ZP2	20	5	SRV+SX	Combination	-0.000605	0.00003	-0.011037	-20.6171
ZP2	20	5	SRV+SX	Combination	-0.000609	0.000019	-0.011045	-20.6321
ZP2	23	6	SRV+SX	Combination	-0.000823	0.000013	-0.01075	-20.081
ZP2	23	6	SRV+SX	Combination	-0.000823	0.000002	-0.010798	-20.1707
ZP2	28	8	SRV+SX	Combination	-0.000377	0.000066	-0.010046	-18.7659
ZP2	28	8	SRV+SX	Combination	-0.000378	0.000053	-0.010077	-18.8238
ZP2	35	1	SRV+SX	Combination	-0.000977	0.000006	-0.008114	-15.157
ZP2	35	1	SRV+SX	Combination	-0.001027	-0.000009	-0.008223	-15.3606
ZP2	41	2441	SRV+SX	Combination	-0.000809	0.000055	-0.000886	-1.65505
ZP2	41	2441	SRV+SX	Combination	-0.00082	0.000047	-0.000911	-1.70175
ZP2	46	2449	SRV+SX	Combination	-0.000681	0.000036	-0.005914	-11.0474
ZP2	46	2449	SRV+SX	Combination	-0.00071	0.000022	-0.005925	-11.0679
ZP2	257	2538	SRV+SX	Combination	-0.00034	0.000086	-0.004446	-8.30513
ZP2	257	2538	SRV+SX	Combination	-0.000341	0.000079	-0.004461	-8.33315
ZP2	259	2546	SRV+SX	Combination	-0.000445	0.000071	-0.006947	-12.977
ZP2	259	2546	SRV+SX	Combination	-0.000463	0.000064	-0.00695	-12.9826
ZP2	260	2554	SRV+SX	Combination	-0.000601	0.000055	-0.007731	-14.4415
ZP2	260	2554	SRV+SX	Combination	-0.000605	0.000048	-0.007735	-14.449
ZP2	265	3	SRV+SX	Combination	-0.000318	-0.000316	-0.010366	-19.3637
ZP2	265	3	SRV+SX	Combination	-0.000423	-0.000341	-0.010428	-19.4795
ZP2	267	9	SRV+SX	Combination	-0.000461	-0.000213	-0.008845	-16.5225
ZP2	267	9	SRV+SX	Combination	-0.000464	-0.000232	-0.008979	-16.7728
ZP2	268	2423	SRV+SX	Combination	-0.000551	-0.000348	-0.010966	-20.4845
ZP2	268	2423	SRV+SX	Combination	-0.000555	-0.000489	-0.010974	-20.4994
ZP2	269	2434	SRV+SX	Combination	-0.000808	-0.000119	-0.00779	-14.5517
ZP2	269	2434	SRV+SX	Combination	-0.000809	-0.000135	-0.00784	-14.6451
ZP2	270	2422	SRV+SX	Combination	-0.000848	-0.00018	-0.01023	-19.1096
ZP2	270	2422	SRV+SX	Combination	-0.000848	-0.000323	-0.010243	-19.1339
ZP2	271	7	SRV+SX	Combination	-0.00064	-0.000039	-0.008151	-15.2261
ZP2	271	7	SRV+SX	Combination	-0.000643	-0.000055	-0.008386	-15.665

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ZP2	272	2421	SRV+SX	Combination	-0.000695	0.000091	-0.009838	-18.3774
ZP2	272	2421	SRV+SX	Combination	-0.000698	-0.000056	-0.009866	-18.4297
ZP2	273	2432	SRV+SX	Combination	-0.000409	-0.00002	-0.007752	-14.4807
ZP2	273	2432	SRV+SX	Combination	-0.000428	-0.000034	-0.007936	-14.8244
ZP2	274	2420	SRV+SX	Combination	-0.000436	0.000416	-0.010079	-18.8276
ZP2	274	2420	SRV+SX	Combination	-0.000455	0.000265	-0.010131	-18.9247
ZP2	275	2428	SRV+SX	Combination	0.000296	0.000062	-0.010382	-19.3936
ZP2	275	2428	SRV+SX	Combination	0.000187	0.000053	-0.010541	-19.6906
ZP2	742	2435	SRV+SX	Combination	-0.000858	0.000053	-0.011708	-21.8705
ZP2	742	2435	SRV+SX	Combination	-0.000859	0.000045	-0.011744	-21.9378
ZP2	776	2606	SRV+SX	Combination	-0.000559	0.000039	-0.00933	-17.4284
ZP2	776	2606	SRV+SX	Combination	-0.000561	0.000027	-0.009336	-17.4396
ZP2	17	2436	SRV+SX	Combination	-0.000322	-0.00028	-0.008991	-16.7952
ZP2	17	2436	SRV+SX	Combination	-0.000375	-0.000302	-0.009332	-17.4322
ZP2	403	2437	SRV+SX	Combination	-0.000339	0.000081	0.000023	0.042964
ZP2	403	2437	SRV+SX	Combination	-0.000339	0.000072	0.000019	0.035492
ZP2	404	2438	SRV+SX	Combination	-0.000411	0.000075	-0.000027	-0.05044
ZP2	404	2438	SRV+SX	Combination	-0.000414	0.000066	-0.000034	-0.06351
ZP2	405	2439	SRV+SX	Combination	-0.000517	0.000068	-0.00021	-0.39228
ZP2	405	2439	SRV+SX	Combination	-0.000523	0.00006	-0.000222	-0.4147
ZP2	406	2440	SRV+SX	Combination	-0.000653	0.000061	-0.000502	-0.93774
ZP2	406	2440	SRV+SX	Combination	-0.000661	0.000053	-0.000519	-0.96949
ZP2	407	2442	SRV+SX	Combination	-0.000977	0.000048	-0.001352	-2.52554
ZP2	407	2442	SRV+SX	Combination	-0.000991	0.000041	-0.001388	-2.59278
ZP2	408	2443	SRV+SX	Combination	-0.001142	0.000042	-0.001893	-3.53612
ZP2	408	2443	SRV+SX	Combination	-0.001161	0.000034	-0.001943	-3.62952
ZP2	409	2444	SRV+SX	Combination	-0.001289	0.000035	-0.002501	-4.67187
ZP2	409	2444	SRV+SX	Combination	-0.001312	0.000028	-0.002567	-4.79516
ZP2	410	2445	SRV+SX	Combination	-0.001386	0.00003	-0.003156	-5.89541
ZP2	410	2445	SRV+SX	Combination	-0.001415	0.000023	-0.003241	-6.05419
ZP2	411	10	SRV+SX	Combination	-0.00039	0.00006	-0.009431	-17.6171
ZP2	411	10	SRV+SX	Combination	-0.000393	0.000047	-0.00946	-17.6713
ZP2	412	2446	SRV+SX	Combination	-0.000431	0.000054	-0.008472	-15.8257
ZP2	412	2446	SRV+SX	Combination	-0.000438	0.000041	-0.008496	-15.8705
ZP2	413	2447	SRV+SX	Combination	-0.000497	0.000048	-0.007444	-13.9054
ZP2	413	2447	SRV+SX	Combination	-0.00051	0.000034	-0.007459	-13.9334
ZP2	414	2448	SRV+SX	Combination	-0.000582	0.000042	-0.006548	-12.2317
ZP2	414	2448	SRV+SX	Combination	-0.000603	0.000028	-0.006552	-12.2391
ZP2	415	2450	SRV+SX	Combination	-0.000784	0.00003	-0.005632	-10.5206
ZP2	415	2450	SRV+SX	Combination	-0.00082	0.000016	-0.005659	-10.571
ZP2	416	2451	SRV+SX	Combination	-0.00088	0.000024	-0.005746	-10.7335
ZP2	416	2451	SRV+SX	Combination	-0.000923	0.00001	-0.005792	-10.8195
ZP2	418	2452	SRV+SX	Combination	-0.000954	0.000019	-0.006252	-11.6787
ZP2	418	2452	SRV+SX	Combination	-0.001002	0.000004	-0.006319	-11.8039
ZP2	442	2453	SRV+SX	Combination	-0.000978	0.000012	-0.007098	-13.2591
ZP2	442	2453	SRV+SX	Combination	-0.001028	-0.000003	-0.007187	-13.4253
ZP2	445	2454	SRV+SX	Combination	-0.000319	-0.000288	-0.008854	-16.5393
ZP2	445	2454	SRV+SX	Combination	-0.000384	-0.000311	-0.009163	-17.1165
ZP2	446	2455	SRV+SX	Combination	-0.000321	-0.000297	-0.008833	-16.5
ZP2	446	2455	SRV+SX	Combination	-0.000399	-0.00032	-0.009085	-16.9708
ZP2	447	2456	SRV+SX	Combination	-0.000326	-0.000305	-0.009062	-16.9278
ZP2	447	2456	SRV+SX	Combination	-0.000414	-0.000329	-0.009247	-17.2734
ZP2	448	2457	SRV+SX	Combination	-0.000326	-0.000312	-0.009612	-17.9552
ZP2	448	2457	SRV+SX	Combination	-0.000423	-0.000336	-0.009732	-18.1794
ZP2	469	11	SRV+SX	Combination	-0.000424	-0.000226	-0.008908	-16.6401
ZP2	469	11	SRV+SX	Combination	-0.000434	-0.000246	-0.009088	-16.9764
ZP2	470	2458	SRV+SX	Combination	-0.000388	-0.00024	-0.008882	-16.5916
ZP2	470	2458	SRV+SX	Combination	-0.000407	-0.00026	-0.009116	-17.0287

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ZP2	471	2459	SRV+SX	Combination	-0.000357	-0.000253	-0.008884	-16.5953
ZP2	471	2459	SRV+SX	Combination	-0.000387	-0.000274	-0.00917	-17.1296
ZP2	472	2460	SRV+SX	Combination	-0.000335	-0.000267	-0.008941	-16.7018
ZP2	472	2460	SRV+SX	Combination	-0.000376	-0.000288	-0.009267	-17.3108
ZP2	473	2461	SRV+SX	Combination	0.000254	0.000054	-0.009228	-17.2379
ZP2	473	2461	SRV+SX	Combination	0.000154	0.000045	-0.009329	-17.4266
ZP2	474	2462	SRV+SX	Combination	0.000184	0.000044	-0.008284	-15.4745
ZP2	474	2462	SRV+SX	Combination	0.000096	0.000034	-0.008322	-15.5455
ZP2	475	2463	SRV+SX	Combination	0.000069	0.000031	-0.007679	-14.3444
ZP2	475	2463	SRV+SX	Combination	-0.000005	0.00002	-0.007705	-14.3929
ZP2	476	2464	SRV+SX	Combination	-0.000066	0.000018	-0.007407	-13.8363
ZP2	476	2464	SRV+SX	Combination	-0.000124	0.000007	-0.007493	-13.9969
ZP2	477	2465	SRV+SX	Combination	-0.000203	0.000006	-0.00743	-13.8792
ZP2	477	2465	SRV+SX	Combination	-0.000246	-0.000007	-0.007567	-14.1352
ZP2	478	2466	SRV+SX	Combination	-0.000323	-0.000007	-0.007613	-14.2211
ZP2	478	2466	SRV+SX	Combination	-0.000353	-0.00002	-0.007785	-14.5424
ZP2	479	2467	SRV+SX	Combination	-0.000793	0.000178	-0.004925	-9.1999
ZP2	479	2467	SRV+SX	Combination	-0.000819	0.000174	-0.004938	-9.22418
ZP2	507	2468	SRV+SX	Combination	-0.000755	0.000176	-0.004753	-8.8786
ZP2	507	2468	SRV+SX	Combination	-0.000778	0.000171	-0.004769	-8.90849
ZP2	508	2469	SRV+SX	Combination	-0.000689	0.000172	-0.004796	-8.95893
ZP2	508	2469	SRV+SX	Combination	-0.000711	0.000168	-0.004815	-8.99442
ZP2	603	2470	SRV+SX	Combination	-0.000617	0.000169	-0.005039	-9.41285
ZP2	603	2470	SRV+SX	Combination	-0.000637	0.000164	-0.005061	-9.45395
ZP2	605	2471	SRV+SX	Combination	-0.000549	0.000165	-0.005424	-10.132
ZP2	605	2471	SRV+SX	Combination	-0.000568	0.00016	-0.005449	-10.1787
ZP2	607	2472	SRV+SX	Combination	-0.000494	0.000162	-0.005855	-10.9371
ZP2	607	2472	SRV+SX	Combination	-0.000512	0.000156	-0.005883	-10.9894
ZP2	613	2473	SRV+SX	Combination	-0.000452	0.00007	-0.00827	-15.4484
ZP2	613	2473	SRV+SX	Combination	-0.000497	0.000059	-0.008439	-15.7641
ZP2	614	2474	SRV+SX	Combination	-0.000455	0.000066	-0.007875	-14.7105
ZP2	614	2474	SRV+SX	Combination	-0.000498	0.000054	-0.008007	-14.9571
ZP2	615	2475	SRV+SX	Combination	-0.00045	0.000062	-0.007861	-14.6843
ZP2	615	2475	SRV+SX	Combination	-0.000488	0.000051	-0.00796	-14.8693
ZP2	616	2476	SRV+SX	Combination	-0.000443	0.000059	-0.008214	-15.3438
ZP2	616	2476	SRV+SX	Combination	-0.000475	0.000047	-0.008285	-15.4764
ZP2	617	2477	SRV+SX	Combination	-0.000437	0.000055	-0.008836	-16.5056
ZP2	617	2477	SRV+SX	Combination	-0.000463	0.000044	-0.008887	-16.6009
ZP2	618	12	SRV+SX	Combination	-0.000433	0.000052	-0.00956	-17.8581
ZP2	618	12	SRV+SX	Combination	-0.000454	0.000041	-0.009595	-17.9235
ZP2	619	2478	SRV+SX	Combination	-0.000812	-0.000129	-0.007429	-13.8774
ZP2	619	2478	SRV+SX	Combination	-0.000812	-0.000139	-0.007476	-13.9652
ZP2	620	2479	SRV+SX	Combination	-0.000816	-0.000139	-0.006768	-12.6426
ZP2	620	2479	SRV+SX	Combination	-0.000816	-0.00014	-0.006811	-12.7229
ZP2	621	2480	SRV+SX	Combination	-0.00082	-0.000138	-0.006034	-11.2715
ZP2	621	2480	SRV+SX	Combination	-0.00082	-0.000153	-0.00607	-11.3388
ZP2	622	2481	SRV+SX	Combination	-0.000824	-0.000136	-0.0054	-10.0872
ZP2	622	2481	SRV+SX	Combination	-0.000824	-0.000169	-0.00543	-10.1432
ZP2	634	2482	SRV+SX	Combination	-0.000828	-0.000135	-0.004997	-9.3344
ZP2	634	2482	SRV+SX	Combination	-0.000828	-0.000189	-0.005022	-9.3811
ZP2	635	2483	SRV+SX	Combination	-0.000832	-0.000137	-0.004921	-9.19243
ZP2	635	2483	SRV+SX	Combination	-0.000832	-0.000212	-0.004941	-9.22979
ZP2	636	2484	SRV+SX	Combination	-0.000835	-0.000142	-0.005233	-9.77524
ZP2	636	2484	SRV+SX	Combination	-0.000836	-0.000237	-0.005249	-9.80513
ZP2	658	2485	SRV+SX	Combination	-0.000839	-0.000149	-0.005959	-11.1314
ZP2	658	2485	SRV+SX	Combination	-0.00084	-0.000264	-0.005973	-11.1576
ZP2	659	2486	SRV+SX	Combination	-0.000843	-0.000158	-0.007094	-13.2516
ZP2	659	2486	SRV+SX	Combination	-0.000844	-0.000289	-0.007106	-13.274

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ZP2	660	2487	SRV+SX	Combination	-0.000846	-0.000169	-0.008574	-16.0162
ZP2	660	2487	SRV+SX	Combination	-0.000847	-0.000308	-0.008586	-16.0386
ZP2	682	2488	SRV+SX	Combination	-0.000412	0.000012	-0.007349	-13.7279
ZP2	682	2488	SRV+SX	Combination	-0.000431	0.000007	-0.007525	-14.0567
ZP2	683	2489	SRV+SX	Combination	-0.000414	0.000036	-0.006652	-12.4259
ZP2	683	2489	SRV+SX	Combination	-0.000434	0.000028	-0.006808	-12.7173
ZP2	684	2490	SRV+SX	Combination	-0.000417	0.000056	-0.005882	-10.9876
ZP2	684	2490	SRV+SX	Combination	-0.000436	0.000035	-0.006014	-11.2342
ZP2	685	2491	SRV+SX	Combination	-0.00042	0.000074	-0.005214	-9.73975
ZP2	685	2491	SRV+SX	Combination	-0.000439	0.000036	-0.005319	-9.93589
ZP2	738	2492	SRV+SX	Combination	-0.000423	0.000092	-0.004779	-8.92717
ZP2	738	2492	SRV+SX	Combination	-0.000442	0.000037	-0.004857	-9.07288
ZP2	739	2493	SRV+SX	Combination	-0.000426	0.000115	-0.004675	-8.7329
ZP2	739	2493	SRV+SX	Combination	-0.000445	0.000041	-0.004727	-8.83004
ZP2	741	2494	SRV+SX	Combination	-0.000429	0.000147	-0.004966	-9.27649
ZP2	741	2494	SRV+SX	Combination	-0.000448	0.000054	-0.004994	-9.32879
ZP2	744	2495	SRV+SX	Combination	-0.000432	0.000191	-0.005686	-10.6214
ZP2	744	2495	SRV+SX	Combination	-0.00045	0.000079	-0.005692	-10.6327
ZP2	760	2496	SRV+SX	Combination	-0.000435	0.000249	-0.006822	-12.7435
ZP2	760	2496	SRV+SX	Combination	-0.000453	0.000121	-0.006837	-12.7715
ZP2	761	2497	SRV+SX	Combination	-0.000437	0.000327	-0.008332	-15.5642
ZP2	761	2497	SRV+SX	Combination	-0.000455	0.000186	-0.008367	-15.6296
ZP2	762	2498	SRV+SX	Combination	-0.000646	-0.000031	-0.007722	-14.4247
ZP2	762	2498	SRV+SX	Combination	-0.000649	-0.000041	-0.007946	-14.8431
ZP2	763	2499	SRV+SX	Combination	-0.000652	-0.000028	-0.006976	-13.0312
ZP2	763	2499	SRV+SX	Combination	-0.000654	-0.00003	-0.007175	-13.4029
ZP2	764	2500	SRV+SX	Combination	-0.000657	-0.000017	-0.006142	-11.4733
ZP2	764	2500	SRV+SX	Combination	-0.00066	-0.000033	-0.006312	-11.7908
ZP2	765	2501	SRV+SX	Combination	-0.000663	-0.000006	-0.005403	-10.0928
ZP2	765	2501	SRV+SX	Combination	-0.000666	-0.000041	-0.005541	-10.3506
ZP2	766	2502	SRV+SX	Combination	-0.000668	0.000004	-0.004893	-9.14012
ZP2	766	2502	SRV+SX	Combination	-0.000671	-0.00005	-0.005003	-9.3456
ZP2	767	2503	SRV+SX	Combination	-0.000674	0.000015	-0.004714	-8.80575
ZP2	767	2503	SRV+SX	Combination	-0.000677	-0.000061	-0.004798	-8.96266
ZP2	768	2504	SRV+SX	Combination	-0.00068	0.000027	-0.004931	-9.21111
ZP2	768	2504	SRV+SX	Combination	-0.000682	-0.00007	-0.004994	-9.32879
ZP2	769	2505	SRV+SX	Combination	-0.000685	0.000041	-0.005579	-10.4216
ZP2	769	2505	SRV+SX	Combination	-0.000688	-0.000076	-0.005627	-10.5112
ZP2	770	2506	SRV+SX	Combination	-0.000691	0.000056	-0.006663	-12.4465
ZP2	770	2506	SRV+SX	Combination	-0.000694	-0.000077	-0.006701	-12.5175
ZP2	771	2507	SRV+SX	Combination	-0.000694	0.000073	-0.008129	-15.185
ZP2	771	2507	SRV+SX	Combination	-0.000697	-0.000069	-0.008161	-15.2447
ZP2	772	2508	SRV+SX	Combination	-0.00047	-0.000236	-0.008407	-15.7043
ZP2	772	2508	SRV+SX	Combination	-0.000472	-0.000247	-0.008534	-15.9415
ZP2	773	2509	SRV+SX	Combination	-0.000479	-0.000252	-0.00763	-14.2528
ZP2	773	2509	SRV+SX	Combination	-0.000481	-0.000253	-0.007744	-14.4658
ZP2	774	2510	SRV+SX	Combination	-0.000487	-0.000252	-0.006768	-12.6426
ZP2	774	2510	SRV+SX	Combination	-0.00049	-0.000268	-0.006864	-12.822
ZP2	777	2511	SRV+SX	Combination	-0.000496	-0.000251	-0.006017	-11.2398
ZP2	777	2511	SRV+SX	Combination	-0.000499	-0.000284	-0.006095	-11.3855
ZP2	778	2512	SRV+SX	Combination	-0.000505	-0.000252	-0.005524	-10.3188
ZP2	778	2512	SRV+SX	Combination	-0.000508	-0.000303	-0.005583	-10.429
ZP2	779	2513	SRV+SX	Combination	-0.000514	-0.000256	-0.005393	-10.0741
ZP2	779	2513	SRV+SX	Combination	-0.000517	-0.000327	-0.005435	-10.1526
ZP2	780	2514	SRV+SX	Combination	-0.000523	-0.000266	-0.00569	-10.6289
ZP2	780	2514	SRV+SX	Combination	-0.000526	-0.000356	-0.005717	-10.6794
ZP2	781	2515	SRV+SX	Combination	-0.000531	-0.00028	-0.006443	-12.0355
ZP2	781	2515	SRV+SX	Combination	-0.000534	-0.000389	-0.006458	-12.0635

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ADMINISTRATIVO Y POSGRADO DE LA UNACH CAMPUS DOLOROSA, AÑO 2023."

ZP2	782	2516	SRV+SX	Combination	-0.00054	-0.0003	-0.007643	-14.2771
ZP2	782	2516	SRV+SX	Combination	-0.000543	-0.000424	-0.007649	-14.2883
ZP2	783	2517	SRV+SX	Combination	-0.000547	-0.000323	-0.009217	-17.2174
ZP2	783	2517	SRV+SX	Combination	-0.00055	-0.000457	-0.009219	-17.2211
ZP2	784	2518	SRV+SX	Combination	-0.000853	0.000276	-0.002415	-4.51122
ZP2	784	2518	SRV+SX	Combination	-0.000854	0.000252	-0.002451	-4.57847
ZP2	785	2519	SRV+SX	Combination	-0.000856	0.000235	-0.003291	-6.14759
ZP2	785	2519	SRV+SX	Combination	-0.000857	0.000214	-0.003315	-6.19242
ZP2	786	2520	SRV+SX	Combination	-0.000861	0.000191	-0.004314	-8.05855
ZP2	786	2520	SRV+SX	Combination	-0.000862	0.000175	-0.004329	-8.08657
ZP2	787	2521	SRV+SX	Combination	-0.000866	0.00015	-0.005435	-10.1526
ZP2	787	2521	SRV+SX	Combination	-0.000867	0.000138	-0.005443	-10.1675
ZP2	788	2522	SRV+SX	Combination	-0.000262	0.000002	-0.000047	-0.0878
ZP2	788	2522	SRV+SX	Combination	-0.000265	-0.000033	-0.000047	-0.0878
ZP2	789	2523	SRV+SX	Combination	-0.00027	0.000019	0.000039	0.072852
ZP2	789	2523	SRV+SX	Combination	-0.000273	-0.000012	0.000039	0.072852
ZP2	790	2524	SRV+SX	Combination	-0.000281	0.000043	0.00012	0.22416
ZP2	790	2524	SRV+SX	Combination	-0.000284	0.00002	0.000119	0.222292
ZP2	791	2525	SRV+SX	Combination	-0.000292	0.000068	0.000108	0.201744
ZP2	791	2525	SRV+SX	Combination	-0.000294	0.000053	0.000107	0.199876
ZP2	792	2526	SRV+SX	Combination	-0.000598	0.000303	-0.003308	-6.17934
ZP2	792	2526	SRV+SX	Combination	-0.000603	0.000276	-0.003317	-6.19616
ZP2	793	2527	SRV+SX	Combination	-0.000598	0.00028	-0.00416	-7.77088
ZP2	793	2527	SRV+SX	Combination	-0.000603	0.000257	-0.004164	-7.77835
ZP2	794	2528	SRV+SX	Combination	-0.000598	0.000226	-0.005104	-9.53427
ZP2	794	2528	SRV+SX	Combination	-0.000602	0.000208	-0.005106	-9.53801
ZP2	795	2529	SRV+SX	Combination	-0.000598	0.000171	-0.006021	-11.2472
ZP2	795	2529	SRV+SX	Combination	-0.000602	0.000159	-0.006021	-11.2472
ZP2	796	2530	SRV+SX	Combination	-0.000466	0.000246	-0.00369	-6.89292
ZP2	796	2530	SRV+SX	Combination	-0.000482	0.000216	-0.003737	-6.98072
ZP2	797	2531	SRV+SX	Combination	-0.000465	0.000225	-0.00428	-7.99504
ZP2	797	2531	SRV+SX	Combination	-0.000481	0.000201	-0.004321	-8.07163
ZP2	798	2532	SRV+SX	Combination	-0.000463	0.000204	-0.004972	-9.2877
ZP2	798	2532	SRV+SX	Combination	-0.000479	0.000186	-0.005009	-9.35681
ZP2	799	2533	SRV+SX	Combination	-0.000461	0.000182	-0.00566	-10.5729
ZP2	799	2533	SRV+SX	Combination	-0.000477	0.000171	-0.005694	-10.6364
ZP2	819	2534	SRV+SX	Combination	-0.00031	0.000096	-0.000565	-1.05542
ZP2	819	2534	SRV+SX	Combination	-0.000312	0.000089	-0.000566	-1.05729
ZP2	828	2535	SRV+SX	Combination	-0.000318	0.000098	-0.001252	-2.33874
ZP2	828	2535	SRV+SX	Combination	-0.000319	0.000092	-0.001255	-2.34434
ZP2	829	2536	SRV+SX	Combination	-0.000325	0.000096	-0.002141	-3.99939
ZP2	829	2536	SRV+SX	Combination	-0.000327	0.00009	-0.002147	-4.0106
ZP2	830	2537	SRV+SX	Combination	-0.000333	0.000092	-0.003215	-6.00562
ZP2	830	2537	SRV+SX	Combination	-0.000334	0.000085	-0.003225	-6.0243
ZP2	831	2539	SRV+SX	Combination	-0.000348	0.000081	-0.005789	-10.8139
ZP2	831	2539	SRV+SX	Combination	-0.000348	0.000072	-0.005808	-10.8493
ZP2	832	2540	SRV+SX	Combination	-0.000355	0.000076	-0.007167	-13.388
ZP2	832	2540	SRV+SX	Combination	-0.000356	0.000065	-0.007191	-13.4328
ZP2	833	2541	SRV+SX	Combination	-0.000363	0.000072	-0.008463	-15.8089
ZP2	833	2541	SRV+SX	Combination	-0.000363	0.000059	-0.008491	-15.8612
ZP2	834	13	SRV+SX	Combination	-0.00037	0.000068	-0.009503	-17.7516
ZP2	834	13	SRV+SX	Combination	-0.00037	0.000055	-0.009534	-17.8095
ZP2	835	2542	SRV+SX	Combination	-0.000457	0.000135	-0.006301	-11.7703
ZP2	835	2542	SRV+SX	Combination	-0.000473	0.000131	-0.006324	-11.8132
ZP2	836	2543	SRV+SX	Combination	-0.000454	0.000114	-0.006305	-11.7777
ZP2	836	2543	SRV+SX	Combination	-0.00047	0.00011	-0.006322	-11.8095
ZP2	837	2544	SRV+SX	Combination	-0.000451	0.000097	-0.006355	-11.8711
ZP2	837	2544	SRV+SX	Combination	-0.000468	0.000092	-0.006365	-11.8898

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ZP2	838	2545	SRV+SX	Combination	-0.000448	0.000082	-0.006552	-12.2391
ZP2	838	2545	SRV+SX	Combination	-0.000465	0.000077	-0.006555	-12.2447
ZP2	839	2547	SRV+SX	Combination	-0.000443	0.000063	-0.007546	-14.0959
ZP2	839	2547	SRV+SX	Combination	-0.00046	0.000054	-0.007555	-14.1127
ZP2	840	2548	SRV+SX	Combination	-0.00044	0.000058	-0.008304	-15.5119
ZP2	840	2548	SRV+SX	Combination	-0.000457	0.000047	-0.008319	-15.5399
ZP2	841	2549	SRV+SX	Combination	-0.000437	0.000054	-0.009115	-17.0268
ZP2	841	2549	SRV+SX	Combination	-0.000455	0.000042	-0.009135	-17.0642
ZP2	842	14	SRV+SX	Combination	-0.000434	0.000051	-0.009808	-18.3213
ZP2	842	14	SRV+SX	Combination	-0.000452	0.000039	-0.009831	-18.3643
ZP2	843	2550	SRV+SX	Combination	-0.000598	0.000133	-0.006941	-12.9658
ZP2	843	2550	SRV+SX	Combination	-0.000603	0.000126	-0.006942	-12.9677
ZP2	844	2551	SRV+SX	Combination	-0.000599	0.000117	-0.006997	-13.0704
ZP2	844	2551	SRV+SX	Combination	-0.000603	0.000111	-0.006998	-13.0723
ZP2	845	2552	SRV+SX	Combination	-0.0006	0.000097	-0.007078	-13.2217
ZP2	845	2552	SRV+SX	Combination	-0.000604	0.000092	-0.007079	-13.2236
ZP2	846	2553	SRV+SX	Combination	-0.000601	0.000076	-0.007301	-13.6383
ZP2	846	2553	SRV+SX	Combination	-0.000605	0.00007	-0.007303	-13.642
ZP2	847	2555	SRV+SX	Combination	-0.000602	0.000037	-0.008376	-15.6464
ZP2	847	2555	SRV+SX	Combination	-0.000606	0.000029	-0.008382	-15.6576
ZP2	848	2556	SRV+SX	Combination	-0.000603	0.000024	-0.009184	-17.1557
ZP2	848	2556	SRV+SX	Combination	-0.000607	0.000015	-0.009191	-17.1688
ZP2	849	15	SRV+SX	Combination	-0.000604	0.000017	-0.010037	-18.7491
ZP2	849	15	SRV+SX	Combination	-0.000607	0.000007	-0.010046	-18.7659
ZP2	850	16	SRV+SX	Combination	-0.000604	0.000019	-0.010746	-20.0735
ZP2	850	16	SRV+SX	Combination	-0.000608	0.000008	-0.010755	-20.0903
ZP2	851	17	SRV+SX	Combination	-0.000822	0.000001	-0.009682	-18.086
ZP2	851	17	SRV+SX	Combination	-0.000822	-0.000011	-0.009725	-18.1663
ZP2	852	2557	SRV+SX	Combination	-0.00082	-0.00001	-0.008413	-15.7155
ZP2	852	2557	SRV+SX	Combination	-0.000821	-0.000022	-0.008448	-15.7809
ZP2	853	2558	SRV+SX	Combination	-0.000819	-0.000019	-0.007186	-13.4234
ZP2	853	2558	SRV+SX	Combination	-0.00082	-0.000031	-0.007213	-13.4739
ZP2	854	2559	SRV+SX	Combination	-0.000818	-0.000027	-0.006171	-11.5274
ZP2	854	2559	SRV+SX	Combination	-0.000818	-0.00004	-0.006188	-11.5592
ZP2	855	2560	SRV+SX	Combination	-0.000817	-0.000036	-0.005471	-10.2198
ZP2	855	2560	SRV+SX	Combination	-0.000817	-0.00005	-0.005478	-10.2329
ZP2	856	2561	SRV+SX	Combination	-0.000816	-0.000045	-0.005131	-9.58471
ZP2	856	2561	SRV+SX	Combination	-0.000816	-0.00006	-0.005134	-9.59031
ZP2	857	2562	SRV+SX	Combination	-0.000815	-0.000055	-0.005151	-9.62207
ZP2	857	2562	SRV+SX	Combination	-0.000815	-0.000071	-0.005164	-9.64635
ZP2	858	2563	SRV+SX	Combination	-0.000813	-0.000066	-0.005498	-10.2703
ZP2	858	2563	SRV+SX	Combination	-0.000813	-0.000084	-0.005521	-10.3132
ZP2	859	2564	SRV+SX	Combination	-0.000812	-0.000079	-0.006092	-11.3799
ZP2	859	2564	SRV+SX	Combination	-0.000812	-0.000097	-0.006124	-11.4396
ZP2	860	2565	SRV+SX	Combination	-0.000811	-0.000092	-0.006803	-12.708
ZP2	860	2565	SRV+SX	Combination	-0.000811	-0.000111	-0.006844	-12.7846
ZP2	861	2566	SRV+SX	Combination	-0.00081	-0.000106	-0.00745	-13.9166
ZP2	861	2566	SRV+SX	Combination	-0.00081	-0.000124	-0.007497	-14.0044
ZP2	862	18	SRV+SX	Combination	-0.000384	0.00006	-0.009646	-18.0187
ZP2	862	18	SRV+SX	Combination	-0.000385	0.000048	-0.009673	-18.0692
ZP2	863	2567	SRV+SX	Combination	-0.000391	0.00005	-0.008815	-16.4664
ZP2	863	2567	SRV+SX	Combination	-0.000392	0.000038	-0.008836	-16.5056
ZP2	864	2568	SRV+SX	Combination	-0.000398	0.000037	-0.007857	-14.6769
ZP2	864	2568	SRV+SX	Combination	-0.000399	0.000024	-0.007868	-14.6974
ZP2	865	2569	SRV+SX	Combination	-0.000405	0.00002	-0.00699	-13.0573
ZP2	865	2569	SRV+SX	Combination	-0.000406	0.000006	-0.00699	-13.0573
ZP2	866	2570	SRV+SX	Combination	-0.000412	-2.558E-07	-0.006349	-11.8599
ZP2	866	2570	SRV+SX	Combination	-0.000414	-0.000016	-0.006364	-11.888

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ZP2	867	2571	SRV+SX	Combination	-0.000419	-0.000024	-0.006033	-11.2696
ZP2	867	2571	SRV+SX	Combination	-0.000421	-0.000042	-0.006064	-11.3276
ZP2	868	2572	SRV+SX	Combination	-0.000426	-0.00005	-0.00607	-11.3388
ZP2	868	2572	SRV+SX	Combination	-0.000428	-0.000071	-0.006119	-11.4303
ZP2	869	2573	SRV+SX	Combination	-0.000433	-0.000079	-0.006439	-12.0281
ZP2	869	2573	SRV+SX	Combination	-0.000435	-0.000102	-0.006508	-12.1569
ZP2	870	2574	SRV+SX	Combination	-0.00044	-0.000111	-0.007065	-13.1974
ZP2	870	2574	SRV+SX	Combination	-0.000442	-0.000136	-0.007155	-13.3655
ZP2	871	2575	SRV+SX	Combination	-0.000447	-0.000145	-0.007817	-14.6022
ZP2	871	2575	SRV+SX	Combination	-0.000449	-0.00017	-0.007926	-14.8058
ZP2	872	2576	SRV+SX	Combination	-0.000454	-0.00018	-0.008499	-15.8761
ZP2	872	2576	SRV+SX	Combination	-0.000456	-0.000203	-0.008625	-16.1115
ZP2	873	19	SRV+SX	Combination	-0.000608	0.000042	-0.010389	-19.4067
ZP2	873	19	SRV+SX	Combination	-0.000611	0.000031	-0.010393	-19.4141
ZP2	874	2577	SRV+SX	Combination	-0.000611	0.000045	-0.009332	-17.4322
ZP2	874	2577	SRV+SX	Combination	-0.000614	0.000034	-0.009334	-17.4359
ZP2	875	2578	SRV+SX	Combination	-0.000614	0.00004	-0.008169	-15.2597
ZP2	875	2578	SRV+SX	Combination	-0.000617	0.000029	-0.00818	-15.2802
ZP2	876	2579	SRV+SX	Combination	-0.000617	0.000031	-0.007122	-13.3039
ZP2	876	2579	SRV+SX	Combination	-0.00062	0.000019	-0.007148	-13.3525
ZP2	877	2580	SRV+SX	Combination	-0.00062	0.000018	-0.006337	-11.8375
ZP2	877	2580	SRV+SX	Combination	-0.000623	0.000005	-0.00638	-11.9178
ZP2	878	2581	SRV+SX	Combination	-0.000623	0.000004	-0.005892	-11.0063
ZP2	878	2581	SRV+SX	Combination	-0.000626	-0.000011	-0.005959	-11.1314
ZP2	879	2582	SRV+SX	Combination	-0.000626	-0.000011	-0.005812	-10.8568
ZP2	879	2582	SRV+SX	Combination	-0.000629	-0.000027	-0.005907	-11.0343
ZP2	880	2583	SRV+SX	Combination	-0.000629	-0.000025	-0.006071	-11.3406
ZP2	880	2583	SRV+SX	Combination	-0.000632	-0.000043	-0.006199	-11.5797
ZP2	881	2584	SRV+SX	Combination	-0.000632	-0.000037	-0.006593	-12.3157
ZP2	881	2584	SRV+SX	Combination	-0.000635	-0.000055	-0.006755	-12.6183
ZP2	882	2585	SRV+SX	Combination	-0.000635	-0.000044	-0.007249	-13.5411
ZP2	882	2585	SRV+SX	Combination	-0.000637	-0.000063	-0.007444	-13.9054
ZP2	883	2586	SRV+SX	Combination	-0.000637	-0.000045	-0.007853	-14.6694
ZP2	883	2586	SRV+SX	Combination	-0.00064	-0.000064	-0.008074	-15.0822
ZP2	884	20	SRV+SX	Combination	-0.00043	0.000039	-0.009613	-17.9571
ZP2	884	20	SRV+SX	Combination	-0.000448	0.00003	-0.009636	-18
ZP2	885	2587	SRV+SX	Combination	-0.000428	0.000026	-0.008691	-16.2348
ZP2	885	2587	SRV+SX	Combination	-0.000446	0.000016	-0.008708	-16.2665
ZP2	886	2588	SRV+SX	Combination	-0.000426	0.000008	-0.007661	-14.3107
ZP2	886	2588	SRV+SX	Combination	-0.000444	-0.000002	-0.007668	-14.3238
ZP2	887	2589	SRV+SX	Combination	-0.000424	-0.000011	-0.006725	-12.5623
ZP2	887	2589	SRV+SX	Combination	-0.000442	-0.000023	-0.006731	-12.5735
ZP2	888	2590	SRV+SX	Combination	-0.000422	-0.000031	-0.006014	-11.2342
ZP2	888	2590	SRV+SX	Combination	-0.00044	-0.000046	-0.006038	-11.279
ZP2	889	2591	SRV+SX	Combination	-0.00042	-0.00005	-0.005614	-10.487
ZP2	889	2591	SRV+SX	Combination	-0.000439	-0.000067	-0.005659	-10.571
ZP2	890	2592	SRV+SX	Combination	-0.000418	-0.000066	-0.005549	-10.3655
ZP2	890	2592	SRV+SX	Combination	-0.000437	-0.000086	-0.005619	-10.4963
ZP2	891	2593	SRV+SX	Combination	-0.000416	-0.000076	-0.005798	-10.8307
ZP2	891	2593	SRV+SX	Combination	-0.000435	-0.000099	-0.005895	-11.0119
ZP2	892	2594	SRV+SX	Combination	-0.000414	-0.00008	-0.006289	-11.7479
ZP2	892	2594	SRV+SX	Combination	-0.000433	-0.000103	-0.006415	-11.9832
ZP2	893	2595	SRV+SX	Combination	-0.000412	-0.000074	-0.006906	-12.9004
ZP2	893	2595	SRV+SX	Combination	-0.000431	-0.000097	-0.007058	-13.1843
ZP2	894	2596	SRV+SX	Combination	-0.000411	-0.000055	-0.007472	-13.9577
ZP2	894	2596	SRV+SX	Combination	-0.00043	-0.000075	-0.007646	-14.2827
ZP2	895	2597	SRV+SX	Combination	-0.000814	0.000112	-0.005908	-11.0361
ZP2	895	2597	SRV+SX	Combination	-0.000815	0.000103	-0.005914	-11.0474

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ZP2	896	2598	SRV+SX	Combination	-0.000726	0.000109	-0.004994	-9.32879
ZP2	896	2598	SRV+SX	Combination	-0.000728	0.000099	-0.005001	-9.34187
ZP2	897	2599	SRV+SX	Combination	-0.000623	0.000105	-0.003965	-7.40662
ZP2	897	2599	SRV+SX	Combination	-0.000626	0.000096	-0.003972	-7.4197
ZP2	898	2600	SRV+SX	Combination	-0.000519	0.000102	-0.002928	-5.4695
ZP2	898	2600	SRV+SX	Combination	-0.000523	0.000093	-0.002934	-5.48071
ZP2	899	2601	SRV+SX	Combination	-0.000426	0.000098	-0.001963	-3.66688
ZP2	899	2601	SRV+SX	Combination	-0.00043	0.000089	-0.001969	-3.67809
ZP2	900	2602	SRV+SX	Combination	-0.000353	0.000095	-0.001132	-2.11458
ZP2	900	2602	SRV+SX	Combination	-0.000358	0.000086	-0.001138	-2.12578
ZP2	901	2603	SRV+SX	Combination	-0.00031	0.000091	-0.000492	-0.91906
ZP2	901	2603	SRV+SX	Combination	-0.000314	0.000082	-0.000495	-0.92466
ZP2	902	21	SRV+SX	Combination	-0.000783	0.00002	-0.010326	-19.289
ZP2	902	21	SRV+SX	Combination	-0.000784	0.000008	-0.010368	-19.3674
ZP2	903	2604	SRV+SX	Combination	-0.000717	0.000026	-0.009841	-18.383
ZP2	903	2604	SRV+SX	Combination	-0.000718	0.000014	-0.009873	-18.4428
ZP2	904	2605	SRV+SX	Combination	-0.000639	0.000033	-0.009477	-17.703
ZP2	904	2605	SRV+SX	Combination	-0.00064	0.000021	-0.009497	-17.7404
ZP2	905	2607	SRV+SX	Combination	-0.000487	0.000046	-0.00941	-17.5779
ZP2	905	2607	SRV+SX	Combination	-0.000489	0.000034	-0.009417	-17.591
ZP2	906	22	SRV+SX	Combination	-0.00043	0.000052	-0.00966	-18.0449
ZP2	906	22	SRV+SX	Combination	-0.000431	0.00004	-0.009678	-18.0785
ZP2	907	23	SRV+SX	Combination	-0.000392	0.000059	-0.009945	-18.5773
ZP2	907	23	SRV+SX	Combination	-0.000393	0.000046	-0.009972	-18.6277
ZP2	908	2608	SRV+SX	Combination	-0.000779	-0.000131	-0.007572	-14.1445
ZP2	908	2608	SRV+SX	Combination	-0.00078	-0.000147	-0.007604	-14.2043
ZP2	909	2609	SRV+SX	Combination	-0.000732	-0.000142	-0.007324	-13.6812
ZP2	909	2609	SRV+SX	Combination	-0.000733	-0.000159	-0.007339	-13.7093
ZP2	910	2610	SRV+SX	Combination	-0.000677	-0.000154	-0.007185	-13.4216
ZP2	910	2610	SRV+SX	Combination	-0.000677	-0.000172	-0.007187	-13.4253
ZP2	911	2611	SRV+SX	Combination	-0.00062	-0.000166	-0.007222	-13.4907
ZP2	911	2611	SRV+SX	Combination	-0.000622	-0.000184	-0.007244	-13.5318
ZP2	912	2612	SRV+SX	Combination	-0.000569	-0.000178	-0.007473	-13.9596
ZP2	912	2612	SRV+SX	Combination	-0.000571	-0.000196	-0.007516	-14.0399
ZP2	913	2613	SRV+SX	Combination	-0.000525	-0.00019	-0.007902	-14.7609
ZP2	913	2613	SRV+SX	Combination	-0.000528	-0.000208	-0.007971	-14.8898
ZP2	914	2614	SRV+SX	Combination	-0.00049	-0.000201	-0.008413	-15.7155
ZP2	914	2614	SRV+SX	Combination	-0.000491	-0.00022	-0.008512	-15.9004
ZP2	915	24	SRV+SX	Combination	-0.000654	-0.00005	-0.008038	-15.015
ZP2	915	24	SRV+SX	Combination	-0.000658	-0.000066	-0.00827	-15.4484
ZP2	916	2615	SRV+SX	Combination	-0.000674	-0.000062	-0.0078	-14.5704
ZP2	916	2615	SRV+SX	Combination	-0.000678	-0.000078	-0.008009	-14.9608
ZP2	917	2616	SRV+SX	Combination	-0.000702	-0.000073	-0.007596	-14.1893
ZP2	917	2616	SRV+SX	Combination	-0.000705	-0.000089	-0.007772	-14.5181
ZP2	918	2617	SRV+SX	Combination	-0.000737	-0.000084	-0.007513	-14.0343
ZP2	918	2617	SRV+SX	Combination	-0.000738	-0.000101	-0.007653	-14.2958
ZP2	919	2618	SRV+SX	Combination	-0.000771	-0.000096	-0.007567	-14.1352
ZP2	919	2618	SRV+SX	Combination	-0.000772	-0.000112	-0.007672	-14.3313
ZP2	920	2619	SRV+SX	Combination	-0.000799	-0.000107	-0.007701	-14.3855
ZP2	920	2619	SRV+SX	Combination	-0.0008	-0.000124	-0.007775	-14.5237
ZP2	921	2620	SRV+SX	Combination	-0.00061	0.000137	-0.006666	-12.4521
ZP2	921	2620	SRV+SX	Combination	-0.000615	0.000129	-0.006667	-12.454
ZP2	922	2621	SRV+SX	Combination	-0.000645	0.000134	-0.00657	-12.2728
ZP2	922	2621	SRV+SX	Combination	-0.00065	0.000125	-0.006571	-12.2746
ZP2	923	2622	SRV+SX	Combination	-0.000699	0.00013	-0.006535	-12.2074
ZP2	923	2622	SRV+SX	Combination	-0.000703	0.000121	-0.006535	-12.2074
ZP2	924	2623	SRV+SX	Combination	-0.000762	0.000127	-0.006582	-12.2952
ZP2	924	2623	SRV+SX	Combination	-0.000764	0.000118	-0.006584	-12.2989

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ZP2	925	2624	SRV+SX	Combination	-0.000822	0.000123	-0.006677	-12.4726
ZP2	925	2624	SRV+SX	Combination	-0.000822	0.000114	-0.00668	-12.4782
ZP2	926	2625	SRV+SX	Combination	-0.000864	0.000119	-0.006723	-12.5586
ZP2	926	2625	SRV+SX	Combination	-0.000865	0.00011	-0.006728	-12.5679
ZP2	927	25	SRV+SX	Combination	-0.000626	0.000027	-0.010827	-20.2248
ZP2	927	25	SRV+SX	Combination	-0.00063	0.000017	-0.010839	-20.2473
ZP2	928	26	SRV+SX	Combination	-0.000656	0.000025	-0.010522	-19.6551
ZP2	928	26	SRV+SX	Combination	-0.000659	0.000014	-0.01054	-19.6887
ZP2	929	27	SRV+SX	Combination	-0.000695	0.000023	-0.010315	-19.2684
ZP2	929	27	SRV+SX	Combination	-0.000697	0.000012	-0.01034	-19.3151
ZP2	930	28	SRV+SX	Combination	-0.000739	0.00002	-0.010296	-19.2329
ZP2	930	28	SRV+SX	Combination	-0.00074	0.000009	-0.01033	-19.2964
ZP2	931	29	SRV+SX	Combination	-0.000782	0.000018	-0.010455	-19.5299
ZP2	931	29	SRV+SX	Combination	-0.000783	0.000007	-0.010496	-19.6065
ZP2	932	30	SRV+SX	Combination	-0.000814	0.000015	-0.010678	-19.9465
ZP2	932	30	SRV+SX	Combination	-0.000814	0.000004	-0.010725	-20.0343
ZP2	933	2626	SRV+SX	Combination	-0.000453	-0.000023	-0.007558	-14.1183
ZP2	933	2626	SRV+SX	Combination	-0.000466	-0.000037	-0.007715	-14.4116
ZP2	934	2627	SRV+SX	Combination	-0.00049	-0.000025	-0.007366	-13.7597
ZP2	934	2627	SRV+SX	Combination	-0.000498	-0.00004	-0.007465	-13.9446
ZP2	935	2628	SRV+SX	Combination	-0.000523	-0.000028	-0.0073	-13.6364
ZP2	935	2628	SRV+SX	Combination	-0.000528	-0.000043	-0.007325	-13.6831
ZP2	936	2629	SRV+SX	Combination	-0.000556	-0.000031	-0.00736	-13.7485
ZP2	936	2629	SRV+SX	Combination	-0.000559	-0.000046	-0.007416	-13.8531
ZP2	937	2630	SRV+SX	Combination	-0.000589	-0.000033	-0.007568	-14.137
ZP2	937	2630	SRV+SX	Combination	-0.00059	-0.000049	-0.007703	-14.3892
ZP2	938	2631	SRV+SX	Combination	-0.000619	-0.000036	-0.007879	-14.718
ZP2	938	2631	SRV+SX	Combination	-0.000619	-0.000052	-0.008077	-15.0878
ZP2	939	2632	SRV+SX	Combination	-0.000447	0.000156	-0.006206	-11.5928
ZP2	939	2632	SRV+SX	Combination	-0.000461	0.000149	-0.006233	-11.6432
ZP2	940	2633	SRV+SX	Combination	-0.000454	0.000154	-0.006137	-11.4639
ZP2	940	2633	SRV+SX	Combination	-0.000464	0.000147	-0.006159	-11.505
ZP2	941	2634	SRV+SX	Combination	-0.000477	0.000151	-0.006105	-11.4041
ZP2	941	2634	SRV+SX	Combination	-0.000484	0.000144	-0.006121	-11.434
ZP2	942	2635	SRV+SX	Combination	-0.000511	0.000149	-0.00617	-11.5256
ZP2	942	2635	SRV+SX	Combination	-0.000515	0.000141	-0.006181	-11.5461
ZP2	943	2636	SRV+SX	Combination	-0.00055	0.000146	-0.00634	-11.8431
ZP2	943	2636	SRV+SX	Combination	-0.00055	0.000138	-0.006345	-11.8525
ZP2	944	2637	SRV+SX	Combination	-0.000582	0.000144	-0.006565	-12.2634
ZP2	944	2637	SRV+SX	Combination	-0.000584	0.000135	-0.006567	-12.2672
ZP2	945	31	SRV+SX	Combination	-0.000433	0.000045	-0.010154	-18.9677
ZP2	945	31	SRV+SX	Combination	-0.000448	0.000035	-0.010172	-19.0013
ZP2	946	32	SRV+SX	Combination	-0.000445	0.000043	-0.010028	-18.7323
ZP2	946	32	SRV+SX	Combination	-0.000456	0.000032	-0.010039	-18.7529
ZP2	947	33	SRV+SX	Combination	-0.000469	0.00004	-0.009966	-18.6165
ZP2	947	33	SRV+SX	Combination	-0.000476	0.000029	-0.009972	-18.6277
ZP2	948	34	SRV+SX	Combination	-0.000501	0.000038	-0.010077	-18.8238
ZP2	948	34	SRV+SX	Combination	-0.000505	0.000027	-0.010079	-18.8276
ZP2	949	35	SRV+SX	Combination	-0.00054	0.000035	-0.010368	-19.3674
ZP2	949	35	SRV+SX	Combination	-0.00054	0.000024	-0.01037	-19.3712
ZP2	950	36	SRV+SX	Combination	-0.000576	0.000032	-0.010752	-20.0847
ZP2	950	36	SRV+SX	Combination	-0.000578	0.000022	-0.010757	-20.0941
ZP2	951	2638	SRV+SX	Combination	-0.000868	0.000093	-0.007604	-14.2043
ZP2	951	2638	SRV+SX	Combination	-0.000869	0.000085	-0.007612	-14.2192
ZP2	952	2639	SRV+SX	Combination	-0.000865	0.000077	-0.008786	-16.4122
ZP2	952	2639	SRV+SX	Combination	-0.000866	0.000069	-0.008801	-16.4403
ZP2	953	2640	SRV+SX	Combination	-0.000862	0.000065	-0.010016	-18.7099
ZP2	953	2640	SRV+SX	Combination	-0.000863	0.000058	-0.010039	-18.7529

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ZP2	954	37	SRV+SX	Combination	-0.00086	0.000057	-0.011127	-20.7852
ZP2	954	37	SRV+SX	Combination	-0.000861	0.00005	-0.011158	-20.8431
ZP2	955	38	SRV+SX	Combination	-0.000856	0.000051	-0.011816	-22.0723
ZP2	955	38	SRV+SX	Combination	-0.000857	0.000043	-0.011855	-22.1451
ZP2	956	39	SRV+SX	Combination	-0.000849	0.000045	-0.011931	-22.2871
ZP2	956	39	SRV+SX	Combination	-0.00085	0.000037	-0.011974	-22.3674
ZP2	957	40	SRV+SX	Combination	-0.000843	0.000039	-0.011815	-22.0704
ZP2	957	40	SRV+SX	Combination	-0.000843	0.00003	-0.011861	-22.1563
ZP2	958	41	SRV+SX	Combination	-0.000836	0.000032	-0.011583	-21.637
ZP2	958	41	SRV+SX	Combination	-0.000837	0.000023	-0.011631	-21.7267
ZP2	959	42	SRV+SX	Combination	-0.000829	0.000024	-0.011254	-21.0225
ZP2	959	42	SRV+SX	Combination	-0.00083	0.000013	-0.011302	-21.1121

Los esfuerzos transmitidos al suelo son menores que la capacidad máxima estática del suelo 26 ton/m^2

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7.3.   COMBINACIÓN D+L+SX (SRV-SX):

Zapata

Plan View - ZP2 - Z = -9.66 (m)   Soil Pressures   (SRV+SX-1) Step 3/3 [tonf/m²]

Esfuerzo máximo 15.6 ton/m² menor a capacidad máxima de 20 ton/m²

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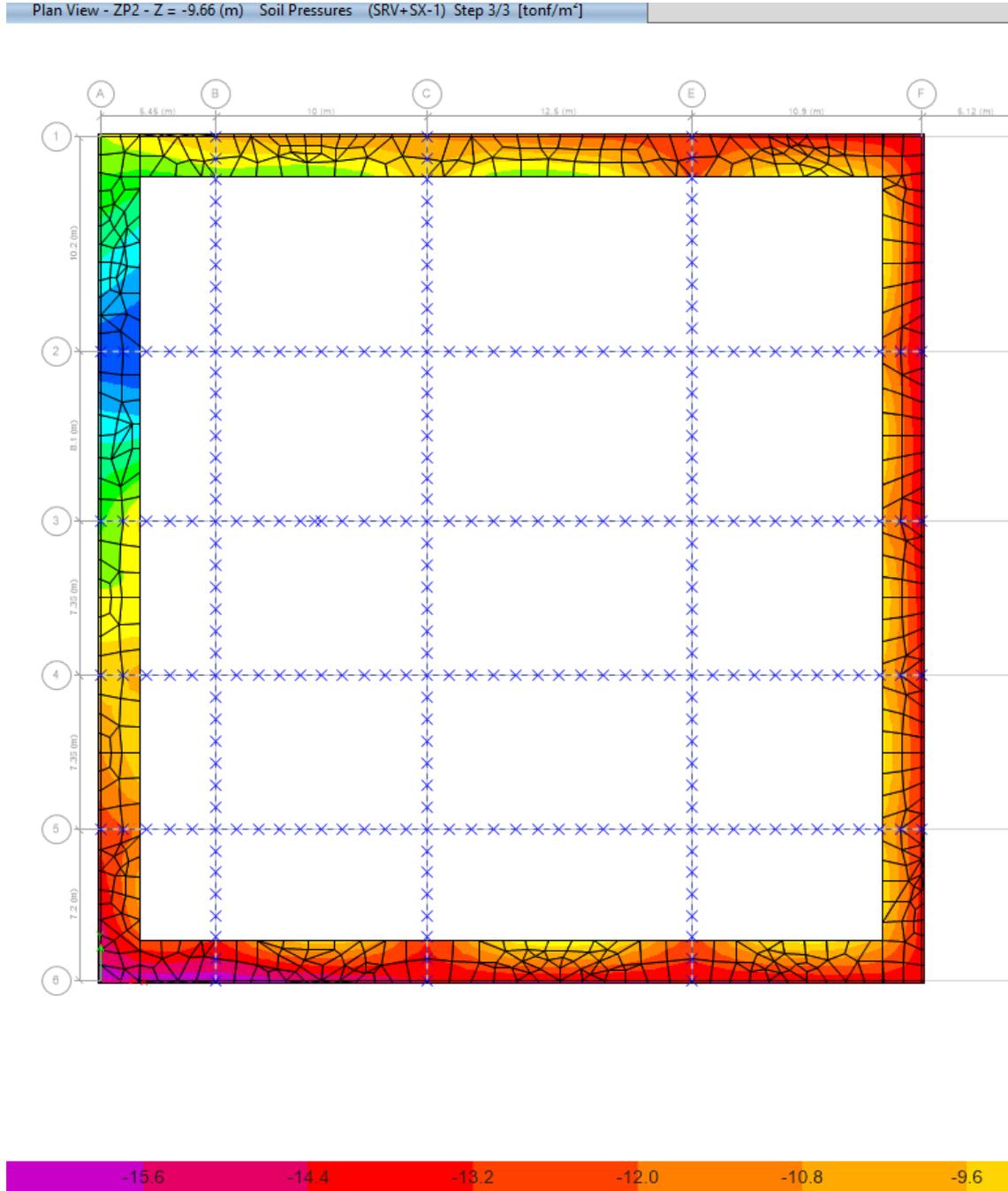
Vigas Bidireccionales

TABLE: Joint Displacements								
Story	Label	Unique Name	Output Case	Case Type	Ux	Uy	Uz	Qa
					m	m	m	Ton/m2
ZP2	2	2	SRV+SX-1	Combination	-0.001395	0.000165	-0.0052	-9.7136
ZP2	2	2	SRV+SX-1	Combination	-0.00143	0.000158	-0.005304	-9.90787
ZP2	4	2419	SRV+SX-1	Combination	0.000077	-0.000102	-0.000154	-0.28767
ZP2	4	2419	SRV+SX-1	Combination	0.000074	-0.000136	-0.000155	-0.28954
ZP2	5	2431	SRV+SX-1	Combination	0.000017	0.000241	-0.000094	-0.17559
ZP2	5	2431	SRV+SX-1	Combination	0.000015	0.000231	-0.000094	-0.17559
ZP2	6	2425	SRV+SX-1	Combination	-0.000436	0.00069	-0.003003	-5.6096
ZP2	6	2425	SRV+SX-1	Combination	-0.000437	0.000666	-0.003052	-5.70114
ZP2	7	2433	SRV+SX-1	Combination	-0.000424	0.000316	-0.008099	-15.1289
ZP2	7	2433	SRV+SX-1	Combination	-0.000425	0.000307	-0.008105	-15.1401
ZP2	8	2424	SRV+SX-1	Combination	-0.000265	0.000888	-0.004856	-9.07101
ZP2	8	2424	SRV+SX-1	Combination	-0.000271	0.000857	-0.004869	-9.09529
ZP2	9	2430	SRV+SX-1	Combination	-0.000272	0.000389	-0.007184	-13.4197
ZP2	9	2430	SRV+SX-1	Combination	-0.000276	0.000381	-0.007185	-13.4216
ZP2	10	2418	SRV+SX-1	Combination	-0.000126	0.000995	-0.006701	-12.5175
ZP2	10	2418	SRV+SX-1	Combination	-0.000142	0.00096	-0.006755	-12.6183
ZP2	11	2429	SRV+SX-1	Combination	-0.000143	0.000442	-0.006891	-12.8724
ZP2	11	2429	SRV+SX-1	Combination	-0.00016	0.000435	-0.00692	-12.9266
ZP2	12	2426	SRV+SX-1	Combination	-0.000305	0.000467	-0.008693	-16.2385
ZP2	12	2426	SRV+SX-1	Combination	-0.000333	0.000463	-0.008703	-16.2572
ZP2	13	2427	SRV+SX-1	Combination	-0.000186	0.000203	-0.007674	-14.335
ZP2	13	2427	SRV+SX-1	Combination	-0.000233	0.000192	-0.00788	-14.7198
ZP2	14	4	SRV+SX-1	Combination	-0.000177	0.000153	-0.009866	-18.4297
ZP2	14	4	SRV+SX-1	Combination	-0.000195	0.000142	-0.009891	-18.4764
ZP2	20	5	SRV+SX-1	Combination	-0.000289	0.000104	-0.010876	-20.3164
ZP2	20	5	SRV+SX-1	Combination	-0.000292	0.000093	-0.010884	-20.3313
ZP2	23	6	SRV+SX-1	Combination	-0.000394	0.000059	-0.009721	-18.1588
ZP2	23	6	SRV+SX-1	Combination	-0.000395	0.000048	-0.009768	-18.2466
ZP2	28	8	SRV+SX-1	Combination	-0.000085	0.000084	-0.009292	-17.3575
ZP2	28	8	SRV+SX-1	Combination	-0.000086	0.000071	-0.009323	-17.4154
ZP2	35	1	SRV+SX-1	Combination	-0.001041	0.000009	-0.005692	-10.6327
ZP2	35	1	SRV+SX-1	Combination	-0.001091	-0.000005	-0.005801	-10.8363
ZP2	41	2441	SRV+SX-1	Combination	-0.000564	0.000201	-0.001088	-2.03238
ZP2	41	2441	SRV+SX-1	Combination	-0.000576	0.000193	-0.001113	-2.07908
ZP2	46	2449	SRV+SX-1	Combination	-0.000614	0.000044	-0.005146	-9.61273
ZP2	46	2449	SRV+SX-1	Combination	-0.000642	0.00003	-0.005157	-9.63328
ZP2	257	2538	SRV+SX-1	Combination	-0.000034	0.000177	-0.004075	-7.6121
ZP2	257	2538	SRV+SX-1	Combination	-0.000035	0.00017	-0.004089	-7.63825
ZP2	259	2546	SRV+SX-1	Combination	-0.00016	0.000218	-0.006855	-12.8051
ZP2	259	2546	SRV+SX-1	Combination	-0.000177	0.000211	-0.006858	-12.8107
ZP2	260	2554	SRV+SX-1	Combination	-0.00028	0.00017	-0.007608	-14.2117
ZP2	260	2554	SRV+SX-1	Combination	-0.000284	0.000163	-0.007613	-14.2211
ZP2	265	3	SRV+SX-1	Combination	-0.000999	-0.000043	-0.006938	-12.9602
ZP2	265	3	SRV+SX-1	Combination	-0.001104	-0.000068	-0.007	-13.076
ZP2	267	9	SRV+SX-1	Combination	-0.000177	-0.000008	-0.008418	-15.7248
ZP2	267	9	SRV+SX-1	Combination	-0.00018	-0.000027	-0.008552	-15.9751
ZP2	268	2423	SRV+SX-1	Combination	-0.000246	-0.000011	-0.007814	-14.5966
ZP2	268	2423	SRV+SX-1	Combination	-0.000249	-0.000152	-0.007822	-14.6115
ZP2	269	2434	SRV+SX-1	Combination	-0.000396	0.000026	-0.007571	-14.1426
ZP2	269	2434	SRV+SX-1	Combination	-0.000396	0.000009	-0.007621	-14.236
ZP2	270	2422	SRV+SX-1	Combination	-0.000425	-0.000104	-0.007568	-14.137
ZP2	270	2422	SRV+SX-1	Combination	-0.000426	-0.000247	-0.007581	-14.1613
ZP2	271	7	SRV+SX-1	Combination	-0.000315	0.000058	-0.007461	-13.9371
ZP2	271	7	SRV+SX-1	Combination	-0.000318	0.000042	-0.007696	-14.3761

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ZP2	272	2421	SRV+SX-1	Combination	-0.00035	-0.00006	-0.007216	-13.4795
ZP2	272	2421	SRV+SX-1	Combination	-0.000353	-0.000207	-0.007244	-13.5318
ZP2	273	2432	SRV+SX-1	Combination	-0.000214	0.000039	-0.007419	-13.8587
ZP2	273	2432	SRV+SX-1	Combination	-0.000233	0.000025	-0.007604	-14.2043
ZP2	274	2420	SRV+SX-1	Combination	-0.000251	0.00005	-0.007134	-13.3263
ZP2	274	2420	SRV+SX-1	Combination	-0.000269	-0.000101	-0.007187	-13.4253
ZP2	275	2428	SRV+SX-1	Combination	-0.000295	0.000082	-0.007628	-14.2491
ZP2	275	2428	SRV+SX-1	Combination	-0.000404	0.000073	-0.007787	-14.5461
ZP2	742	2435	SRV+SX-1	Combination	-0.000405	0.000147	-0.008879	-16.586
ZP2	742	2435	SRV+SX-1	Combination	-0.000406	0.00014	-0.008916	-16.6551
ZP2	776	2606	SRV+SX-1	Combination	-0.000203	0.000072	-0.008502	-15.8817
ZP2	776	2606	SRV+SX-1	Combination	-0.000205	0.000059	-0.008509	-15.8948
ZP2	17	2436	SRV+SX-1	Combination	-0.000586	-0.000029	-0.006959	-12.9994
ZP2	17	2436	SRV+SX-1	Combination	-0.000639	-0.000051	-0.0073	-13.6364
ZP2	403	2437	SRV+SX-1	Combination	-0.000042	0.000233	0.000079	0.147572
ZP2	403	2437	SRV+SX-1	Combination	-0.000043	0.000224	0.000075	0.1401
ZP2	404	2438	SRV+SX-1	Combination	-0.000133	0.000225	0.000033	0.061644
ZP2	404	2438	SRV+SX-1	Combination	-0.000136	0.000216	0.000026	0.048568
ZP2	405	2439	SRV+SX-1	Combination	-0.000253	0.000217	-0.000192	-0.35866
ZP2	405	2439	SRV+SX-1	Combination	-0.000259	0.000208	-0.000203	-0.3792
ZP2	406	2440	SRV+SX-1	Combination	-0.000398	0.000209	-0.000572	-1.0685
ZP2	406	2440	SRV+SX-1	Combination	-0.000407	0.000201	-0.000589	-1.10025
ZP2	407	2442	SRV+SX-1	Combination	-0.000744	0.000193	-0.001731	-3.23351
ZP2	407	2442	SRV+SX-1	Combination	-0.000759	0.000185	-0.001767	-3.30076
ZP2	408	2443	SRV+SX-1	Combination	-0.00093	0.000185	-0.002489	-4.64945
ZP2	408	2443	SRV+SX-1	Combination	-0.000948	0.000177	-0.002539	-4.74285
ZP2	409	2444	SRV+SX-1	Combination	-0.001109	0.000177	-0.003347	-6.2522
ZP2	409	2444	SRV+SX-1	Combination	-0.001133	0.00017	-0.003413	-6.37548
ZP2	410	2445	SRV+SX-1	Combination	-0.001262	0.000171	-0.004275	-7.9857
ZP2	410	2445	SRV+SX-1	Combination	-0.001291	0.000164	-0.00436	-8.14448
ZP2	411	10	SRV+SX-1	Combination	-0.000124	0.000076	-0.008715	-16.2796
ZP2	411	10	SRV+SX-1	Combination	-0.000127	0.000063	-0.008744	-16.3338
ZP2	412	2446	SRV+SX-1	Combination	-0.000206	0.000068	-0.007803	-14.576
ZP2	412	2446	SRV+SX-1	Combination	-0.000213	0.000055	-0.007827	-14.6208
ZP2	413	2447	SRV+SX-1	Combination	-0.000322	0.00006	-0.006798	-12.6987
ZP2	413	2447	SRV+SX-1	Combination	-0.000335	0.000046	-0.006813	-12.7267
ZP2	414	2448	SRV+SX-1	Combination	-0.000461	0.000052	-0.005876	-10.9764
ZP2	414	2448	SRV+SX-1	Combination	-0.000482	0.000038	-0.00588	-10.9838
ZP2	415	2450	SRV+SX-1	Combination	-0.000766	0.000036	-0.004687	-8.75532
ZP2	415	2450	SRV+SX-1	Combination	-0.000803	0.000021	-0.004714	-8.80575
ZP2	416	2451	SRV+SX-1	Combination	-0.000903	0.000027	-0.004535	-8.47138
ZP2	416	2451	SRV+SX-1	Combination	-0.000946	0.000013	-0.004581	-8.55731
ZP2	418	2452	SRV+SX-1	Combination	-0.001007	0.000019	-0.004691	-8.76279
ZP2	418	2452	SRV+SX-1	Combination	-0.001055	0.000005	-0.004758	-8.88794
ZP2	442	2453	SRV+SX-1	Combination	-0.001043	0.000013	-0.005119	-9.56229
ZP2	442	2453	SRV+SX-1	Combination	-0.001093	-0.000002	-0.005207	-9.72668
ZP2	445	2454	SRV+SX-1	Combination	-0.000703	-0.000032	-0.00663	-12.3848
ZP2	445	2454	SRV+SX-1	Combination	-0.000768	-0.000055	-0.006939	-12.9621
ZP2	446	2455	SRV+SX-1	Combination	-0.000814	-0.000036	-0.006401	-11.9571
ZP2	446	2455	SRV+SX-1	Combination	-0.000891	-0.000059	-0.006653	-12.4278
ZP2	447	2456	SRV+SX-1	Combination	-0.000908	-0.00004	-0.006364	-11.888
ZP2	447	2456	SRV+SX-1	Combination	-0.000996	-0.000063	-0.006549	-12.2335
ZP2	448	2457	SRV+SX-1	Combination	-0.000964	-0.000042	-0.006569	-12.2709
ZP2	448	2457	SRV+SX-1	Combination	-0.001061	-0.000066	-0.006689	-12.4951
ZP2	469	11	SRV+SX-1	Combination	-0.000204	-0.000012	-0.008236	-15.3848
ZP2	469	11	SRV+SX-1	Combination	-0.000214	-0.000032	-0.008416	-15.7211
ZP2	470	2458	SRV+SX-1	Combination	-0.000265	-0.000016	-0.007894	-14.746
ZP2	470	2458	SRV+SX-1	Combination	-0.000284	-0.000037	-0.008127	-15.1812

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ZP2	471	2459	SRV+SX-1	Combination	-0.000353	-0.000021	-0.007536	-14.0772
ZP2	471	2459	SRV+SX-1	Combination	-0.000382	-0.000042	-0.007822	-14.6115
ZP2	472	2460	SRV+SX-1	Combination	-0.000463	-0.000025	-0.007227	-13.5
ZP2	472	2460	SRV+SX-1	Combination	-0.000504	-0.000046	-0.007554	-14.1109
ZP2	473	2461	SRV+SX-1	Combination	-0.000272	0.000078	-0.007012	-13.0984
ZP2	473	2461	SRV+SX-1	Combination	-0.000372	0.000069	-0.007113	-13.2871
ZP2	474	2462	SRV+SX-1	Combination	-0.000252	0.000073	-0.006585	-12.3008
ZP2	474	2462	SRV+SX-1	Combination	-0.00034	0.000063	-0.006623	-12.3718
ZP2	475	2463	SRV+SX-1	Combination	-0.000235	0.000066	-0.006429	-12.0094
ZP2	475	2463	SRV+SX-1	Combination	-0.000309	0.000056	-0.006455	-12.0579
ZP2	476	2464	SRV+SX-1	Combination	-0.000223	0.000059	-0.006516	-12.1719
ZP2	476	2464	SRV+SX-1	Combination	-0.000281	0.000048	-0.006602	-12.3325
ZP2	477	2465	SRV+SX-1	Combination	-0.000216	0.000053	-0.006808	-12.7173
ZP2	477	2465	SRV+SX-1	Combination	-0.000259	0.00004	-0.006945	-12.9733
ZP2	478	2466	SRV+SX-1	Combination	-0.000213	0.000046	-0.007173	-13.3992
ZP2	478	2466	SRV+SX-1	Combination	-0.000243	0.000033	-0.007345	-13.7205
ZP2	479	2467	SRV+SX-1	Combination	-0.000244	0.000464	-0.007748	-14.4733
ZP2	479	2467	SRV+SX-1	Combination	-0.000269	0.00046	-0.00776	-14.4957
ZP2	507	2468	SRV+SX-1	Combination	-0.000198	0.00046	-0.006981	-13.0405
ZP2	507	2468	SRV+SX-1	Combination	-0.000221	0.000456	-0.006997	-13.0704
ZP2	508	2469	SRV+SX-1	Combination	-0.000181	0.000457	-0.006522	-12.1831
ZP2	508	2469	SRV+SX-1	Combination	-0.000203	0.000452	-0.006541	-12.2186
ZP2	603	2470	SRV+SX-1	Combination	-0.000179	0.000453	-0.00637	-11.8992
ZP2	603	2470	SRV+SX-1	Combination	-0.000199	0.000448	-0.006392	-11.9403
ZP2	605	2471	SRV+SX-1	Combination	-0.000179	0.000449	-0.006465	-12.0766
ZP2	605	2471	SRV+SX-1	Combination	-0.000199	0.000444	-0.00649	-12.1233
ZP2	607	2472	SRV+SX-1	Combination	-0.000171	0.000445	-0.006694	-12.5044
ZP2	607	2472	SRV+SX-1	Combination	-0.00019	0.000439	-0.006722	-12.5567
ZP2	613	2473	SRV+SX-1	Combination	-0.000197	0.0002	-0.007238	-13.5206
ZP2	613	2473	SRV+SX-1	Combination	-0.000242	0.000189	-0.007406	-13.8344
ZP2	614	2474	SRV+SX-1	Combination	-0.000201	0.000194	-0.007044	-13.1582
ZP2	614	2474	SRV+SX-1	Combination	-0.000244	0.000183	-0.007175	-13.4029
ZP2	615	2475	SRV+SX-1	Combination	-0.000198	0.000186	-0.007206	-13.4608
ZP2	615	2475	SRV+SX-1	Combination	-0.000237	0.000175	-0.007305	-13.6457
ZP2	616	2476	SRV+SX-1	Combination	-0.000193	0.000178	-0.007701	-14.3855
ZP2	616	2476	SRV+SX-1	Combination	-0.000225	0.000167	-0.007773	-14.52
ZP2	617	2477	SRV+SX-1	Combination	-0.000187	0.000169	-0.008432	-15.751
ZP2	617	2477	SRV+SX-1	Combination	-0.000213	0.000158	-0.008482	-15.8444
ZP2	618	12	SRV+SX-1	Combination	-0.000181	0.000161	-0.009233	-17.2472
ZP2	618	12	SRV+SX-1	Combination	-0.000203	0.00015	-0.009268	-17.3126
ZP2	619	2478	SRV+SX-1	Combination	-0.000398	0.000011	-0.007198	-13.4459
ZP2	619	2478	SRV+SX-1	Combination	-0.000399	0.000001	-0.007246	-13.5355
ZP2	620	2479	SRV+SX-1	Combination	-0.000401	-0.000007	-0.006539	-12.2149
ZP2	620	2479	SRV+SX-1	Combination	-0.000401	-0.000007	-0.006582	-12.2952
ZP2	621	2480	SRV+SX-1	Combination	-0.000404	-0.000015	-0.005796	-10.8269
ZP2	621	2480	SRV+SX-1	Combination	-0.000404	-0.00003	-0.005832	-10.8942
ZP2	622	2481	SRV+SX-1	Combination	-0.000407	-0.000023	-0.00512	-9.56416
ZP2	622	2481	SRV+SX-1	Combination	-0.000407	-0.000056	-0.00515	-9.6202
ZP2	634	2482	SRV+SX-1	Combination	-0.000409	-0.000031	-0.004623	-8.63576
ZP2	634	2482	SRV+SX-1	Combination	-0.00041	-0.000085	-0.004648	-8.68246
ZP2	635	2483	SRV+SX-1	Combination	-0.000412	-0.000041	-0.004384	-8.18931
ZP2	635	2483	SRV+SX-1	Combination	-0.000413	-0.000115	-0.004403	-8.2248
ZP2	636	2484	SRV+SX-1	Combination	-0.000415	-0.000051	-0.004447	-8.307
ZP2	636	2484	SRV+SX-1	Combination	-0.000415	-0.000147	-0.004463	-8.33688
ZP2	658	2485	SRV+SX-1	Combination	-0.000418	-0.000063	-0.004832	-9.02618
ZP2	658	2485	SRV+SX-1	Combination	-0.000418	-0.000178	-0.004846	-9.05233
ZP2	659	2486	SRV+SX-1	Combination	-0.00042	-0.000076	-0.005529	-10.3282
ZP2	659	2486	SRV+SX-1	Combination	-0.000421	-0.000206	-0.005541	-10.3506

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ZP2	660	2487	SRV+SX-1	Combination	-0.000423	-0.00009	-0.006484	-12.1121
ZP2	660	2487	SRV+SX-1	Combination	-0.000424	-0.000229	-0.006497	-12.1364
ZP2	682	2488	SRV+SX-1	Combination	-0.000218	0.000029	-0.007025	-13.1227
ZP2	682	2488	SRV+SX-1	Combination	-0.000237	0.000024	-0.007201	-13.4515
ZP2	683	2489	SRV+SX-1	Combination	-0.000222	0.000023	-0.006349	-11.8599
ZP2	683	2489	SRV+SX-1	Combination	-0.000241	0.000015	-0.006505	-12.1513
ZP2	684	2490	SRV+SX-1	Combination	-0.000225	0.00002	-0.005585	-10.4328
ZP2	684	2490	SRV+SX-1	Combination	-0.000244	-0.000002	-0.005717	-10.6794
ZP2	685	2491	SRV+SX-1	Combination	-0.000229	0.000018	-0.004884	-9.12331
ZP2	685	2491	SRV+SX-1	Combination	-0.000248	-0.00002	-0.004989	-9.31945
ZP2	738	2492	SRV+SX-1	Combination	-0.000233	0.000016	-0.004356	-8.13701
ZP2	738	2492	SRV+SX-1	Combination	-0.000251	-0.000039	-0.004434	-8.28271
ZP2	739	2493	SRV+SX-1	Combination	-0.000236	0.000016	-0.004078	-7.6177
ZP2	739	2493	SRV+SX-1	Combination	-0.000255	-0.000058	-0.00413	-7.71484
ZP2	741	2494	SRV+SX-1	Combination	-0.00024	0.000017	-0.0041	-7.6588
ZP2	741	2494	SRV+SX-1	Combination	-0.000259	-0.000075	-0.004128	-7.7111
ZP2	744	2495	SRV+SX-1	Combination	-0.000244	0.000021	-0.004445	-8.30326
ZP2	744	2495	SRV+SX-1	Combination	-0.000262	-0.00009	-0.004451	-8.31447
ZP2	760	2496	SRV+SX-1	Combination	-0.000247	0.000028	-0.005098	-9.52306
ZP2	760	2496	SRV+SX-1	Combination	-0.000266	-0.0001	-0.005113	-9.55108
ZP2	761	2497	SRV+SX-1	Combination	-0.00025	0.000038	-0.006028	-11.2603
ZP2	761	2497	SRV+SX-1	Combination	-0.000268	-0.000103	-0.006062	-11.3238
ZP2	762	2498	SRV+SX-1	Combination	-0.000318	0.000053	-0.007059	-13.1862
ZP2	762	2498	SRV+SX-1	Combination	-0.000321	0.000043	-0.007283	-13.6046
ZP2	763	2499	SRV+SX-1	Combination	-0.000322	0.000037	-0.006373	-11.9048
ZP2	763	2499	SRV+SX-1	Combination	-0.000325	0.000036	-0.006573	-12.2784
ZP2	764	2500	SRV+SX-1	Combination	-0.000326	0.000025	-0.005601	-10.4627
ZP2	764	2500	SRV+SX-1	Combination	-0.000328	0.000009	-0.00577	-10.7784
ZP2	765	2501	SRV+SX-1	Combination	-0.000329	0.00001	-0.004891	-9.13639
ZP2	765	2501	SRV+SX-1	Combination	-0.000332	-0.000025	-0.005029	-9.39417
ZP2	766	2502	SRV+SX-1	Combination	-0.000333	-0.000008	-0.004355	-8.13514
ZP2	766	2502	SRV+SX-1	Combination	-0.000336	-0.000062	-0.004465	-8.34062
ZP2	767	2503	SRV+SX-1	Combination	-0.000336	-0.000025	-0.004072	-7.6065
ZP2	767	2503	SRV+SX-1	Combination	-0.000339	-0.000101	-0.004156	-7.76341
ZP2	768	2504	SRV+SX-1	Combination	-0.00034	-0.000042	-0.004093	-7.64572
ZP2	768	2504	SRV+SX-1	Combination	-0.000343	-0.000139	-0.004156	-7.76341
ZP2	769	2505	SRV+SX-1	Combination	-0.000344	-0.000055	-0.00444	-8.29392
ZP2	769	2505	SRV+SX-1	Combination	-0.000346	-0.000172	-0.004488	-8.38358
ZP2	770	2506	SRV+SX-1	Combination	-0.000347	-0.000064	-0.005115	-9.55482
ZP2	770	2506	SRV+SX-1	Combination	-0.00035	-0.000197	-0.005153	-9.6258
ZP2	771	2507	SRV+SX-1	Combination	-0.00035	-0.000064	-0.006076	-11.35
ZP2	771	2507	SRV+SX-1	Combination	-0.000352	-0.000206	-0.006107	-11.4079
ZP2	772	2508	SRV+SX-1	Combination	-0.000184	-0.000008	-0.007986	-14.9178
ZP2	772	2508	SRV+SX-1	Combination	-0.000187	-0.000019	-0.008114	-15.157
ZP2	773	2509	SRV+SX-1	Combination	-0.00019	-0.000016	-0.007232	-13.5094
ZP2	773	2509	SRV+SX-1	Combination	-0.000193	-0.000017	-0.007346	-13.7223
ZP2	774	2510	SRV+SX-1	Combination	-0.000197	-0.000019	-0.006379	-11.916
ZP2	774	2510	SRV+SX-1	Combination	-0.0002	-0.000034	-0.006475	-12.0953
ZP2	777	2511	SRV+SX-1	Combination	-0.000204	-0.000025	-0.005595	-10.4515
ZP2	777	2511	SRV+SX-1	Combination	-0.000206	-0.000057	-0.005673	-10.5972
ZP2	778	2512	SRV+SX-1	Combination	-0.00021	-0.000033	-0.005004	-9.34747
ZP2	778	2512	SRV+SX-1	Combination	-0.000213	-0.000084	-0.005063	-9.45768
ZP2	779	2513	SRV+SX-1	Combination	-0.000217	-0.00004	-0.00469	-8.76092
ZP2	779	2513	SRV+SX-1	Combination	-0.00022	-0.000111	-0.004732	-8.83938
ZP2	780	2514	SRV+SX-1	Combination	-0.000223	-0.000046	-0.004702	-8.78334
ZP2	780	2514	SRV+SX-1	Combination	-0.000226	-0.000136	-0.004729	-8.83377
ZP2	781	2515	SRV+SX-1	Combination	-0.00023	-0.000048	-0.005059	-9.45021
ZP2	781	2515	SRV+SX-1	Combination	-0.000233	-0.000156	-0.005075	-9.4801

MEMORIA DE CÁLCULO
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ZP2	782	2516	SRV+SX-1	Combination	-0.000237	-0.000044	-0.005751	-10.7429
ZP2	782	2516	SRV+SX-1	Combination	-0.00024	-0.000168	-0.005757	-10.7541
ZP2	783	2517	SRV+SX-1	Combination	-0.000242	-0.000031	-0.006719	-12.5511
ZP2	783	2517	SRV+SX-1	Combination	-0.000245	-0.000165	-0.006721	-12.5548
ZP2	784	2518	SRV+SX-1	Combination	-0.000433	0.000636	-0.003857	-7.20488
ZP2	784	2518	SRV+SX-1	Combination	-0.000434	0.000612	-0.003893	-7.27212
ZP2	785	2519	SRV+SX-1	Combination	-0.00043	0.000566	-0.004906	-9.16441
ZP2	785	2519	SRV+SX-1	Combination	-0.000431	0.000545	-0.004931	-9.21111
ZP2	786	2520	SRV+SX-1	Combination	-0.000428	0.000475	-0.006091	-11.378
ZP2	786	2520	SRV+SX-1	Combination	-0.000429	0.000458	-0.006106	-11.406
ZP2	787	2521	SRV+SX-1	Combination	-0.000426	0.000386	-0.007234	-13.5131
ZP2	787	2521	SRV+SX-1	Combination	-0.000427	0.000374	-0.007243	-13.5299
ZP2	788	2522	SRV+SX-1	Combination	0.000077	-0.000074	-0.000088	-0.16438
ZP2	788	2522	SRV+SX-1	Combination	0.000074	-0.000108	-0.000088	-0.16438
ZP2	789	2523	SRV+SX-1	Combination	0.000066	-0.000013	0.000002	0.003736
ZP2	789	2523	SRV+SX-1	Combination	0.000063	-0.000044	0.000002	0.003736
ZP2	790	2524	SRV+SX-1	Combination	0.00005	0.000078	0.000073	0.136364
ZP2	790	2524	SRV+SX-1	Combination	0.000047	0.000055	0.000072	0.134496
ZP2	791	2525	SRV+SX-1	Combination	0.000033	0.000171	0.000064	0.119552
ZP2	791	2525	SRV+SX-1	Combination	0.000031	0.000156	0.000063	0.117684
ZP2	792	2526	SRV+SX-1	Combination	-0.000265	0.000859	-0.005097	-9.5212
ZP2	792	2526	SRV+SX-1	Combination	-0.00027	0.000831	-0.005105	-9.53614
ZP2	793	2527	SRV+SX-1	Combination	-0.000266	0.000774	-0.00551	-10.2927
ZP2	793	2527	SRV+SX-1	Combination	-0.000271	0.000751	-0.005515	-10.302
ZP2	794	2528	SRV+SX-1	Combination	-0.000268	0.000629	-0.006091	-11.378
ZP2	794	2528	SRV+SX-1	Combination	-0.000273	0.000611	-0.006093	-11.3817
ZP2	795	2529	SRV+SX-1	Combination	-0.00027	0.000485	-0.006713	-12.5399
ZP2	795	2529	SRV+SX-1	Combination	-0.000275	0.000472	-0.006713	-12.5399
ZP2	796	2530	SRV+SX-1	Combination	-0.000128	0.000946	-0.006424	-12
ZP2	796	2530	SRV+SX-1	Combination	-0.000144	0.000916	-0.006471	-12.0878
ZP2	797	2531	SRV+SX-1	Combination	-0.000131	0.000847	-0.006333	-11.83
ZP2	797	2531	SRV+SX-1	Combination	-0.000147	0.000823	-0.006374	-11.9066
ZP2	798	2532	SRV+SX-1	Combination	-0.000135	0.000694	-0.006459	-12.0654
ZP2	798	2532	SRV+SX-1	Combination	-0.000151	0.000677	-0.006497	-12.1364
ZP2	799	2533	SRV+SX-1	Combination	-0.000139	0.000545	-0.006702	-12.5193
ZP2	799	2533	SRV+SX-1	Combination	-0.000156	0.000534	-0.006735	-12.581
ZP2	819	2534	SRV+SX-1	Combination	0.000007	0.000261	-0.000487	-0.90972
ZP2	819	2534	SRV+SX-1	Combination	0.000005	0.000254	-0.000488	-0.91158
ZP2	828	2535	SRV+SX-1	Combination	-0.000004	0.000258	-0.001106	-2.06601
ZP2	828	2535	SRV+SX-1	Combination	-0.000005	0.000252	-0.001108	-2.06974
ZP2	829	2536	SRV+SX-1	Combination	-0.000014	0.000239	-0.001926	-3.59777
ZP2	829	2536	SRV+SX-1	Combination	-0.000015	0.000233	-0.001932	-3.60898
ZP2	830	2537	SRV+SX-1	Combination	-0.000024	0.00021	-0.002925	-5.4639
ZP2	830	2537	SRV+SX-1	Combination	-0.000025	0.000204	-0.002935	-5.48258
ZP2	831	2539	SRV+SX-1	Combination	-0.000045	0.000144	-0.005328	-9.9527
ZP2	831	2539	SRV+SX-1	Combination	-0.000045	0.000135	-0.005348	-9.99006
ZP2	832	2540	SRV+SX-1	Combination	-0.000055	0.000115	-0.006614	-12.355
ZP2	832	2540	SRV+SX-1	Combination	-0.000055	0.000104	-0.006638	-12.3998
ZP2	833	2541	SRV+SX-1	Combination	-0.000065	0.000094	-0.00782	-14.6078
ZP2	833	2541	SRV+SX-1	Combination	-0.000065	0.000081	-0.007848	-14.6601
ZP2	834	13	SRV+SX-1	Combination	-0.000075	0.000082	-0.008787	-16.4141
ZP2	834	13	SRV+SX-1	Combination	-0.000076	0.000069	-0.008818	-16.472
ZP2	835	2542	SRV+SX-1	Combination	-0.000147	0.000389	-0.006742	-12.5941
ZP2	835	2542	SRV+SX-1	Combination	-0.000163	0.000385	-0.006766	-12.6389
ZP2	836	2543	SRV+SX-1	Combination	-0.00015	0.000338	-0.006547	-12.2298
ZP2	836	2543	SRV+SX-1	Combination	-0.000167	0.000334	-0.006564	-12.2616
ZP2	837	2544	SRV+SX-1	Combination	-0.000153	0.000291	-0.006447	-12.043
ZP2	837	2544	SRV+SX-1	Combination	-0.00017	0.000287	-0.006457	-12.0617

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HERNÁN COLOMA
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ZP2	838	2545	SRV+SX-1	Combination	-0.000157	0.000251	-0.006536	-12.2092
ZP2	838	2545	SRV+SX-1	Combination	-0.000174	0.000245	-0.006539	-12.2149
ZP2	839	2547	SRV+SX-1	Combination	-0.000163	0.000193	-0.0074	-13.8232
ZP2	839	2547	SRV+SX-1	Combination	-0.000181	0.000184	-0.00741	-13.8419
ZP2	840	2548	SRV+SX-1	Combination	-0.000167	0.000176	-0.00812	-15.1682
ZP2	840	2548	SRV+SX-1	Combination	-0.000184	0.000165	-0.008135	-15.1962
ZP2	841	2549	SRV+SX-1	Combination	-0.00017	0.000164	-0.0089	-16.6252
ZP2	841	2549	SRV+SX-1	Combination	-0.000188	0.000153	-0.008919	-16.6607
ZP2	842	14	SRV+SX-1	Combination	-0.000174	0.000157	-0.009564	-17.8656
ZP2	842	14	SRV+SX-1	Combination	-0.000191	0.000145	-0.009588	-17.9104
ZP2	843	2550	SRV+SX-1	Combination	-0.000274	0.000345	-0.007193	-13.4365
ZP2	843	2550	SRV+SX-1	Combination	-0.000278	0.000338	-0.007194	-13.4384
ZP2	844	2551	SRV+SX-1	Combination	-0.000275	0.000298	-0.007102	-13.2665
ZP2	844	2551	SRV+SX-1	Combination	-0.000279	0.000292	-0.007103	-13.2684
ZP2	845	2552	SRV+SX-1	Combination	-0.000277	0.000251	-0.007077	-13.2198
ZP2	845	2552	SRV+SX-1	Combination	-0.000281	0.000245	-0.007077	-13.2198
ZP2	846	2553	SRV+SX-1	Combination	-0.000279	0.000207	-0.007226	-13.4982
ZP2	846	2553	SRV+SX-1	Combination	-0.000283	0.000201	-0.007228	-13.5019
ZP2	847	2555	SRV+SX-1	Combination	-0.000282	0.000139	-0.008225	-15.3643
ZP2	847	2555	SRV+SX-1	Combination	-0.000286	0.000132	-0.008231	-15.3755
ZP2	848	2556	SRV+SX-1	Combination	-0.000284	0.000118	-0.009018	-16.8456
ZP2	848	2556	SRV+SX-1	Combination	-0.000287	0.000109	-0.009026	-16.8606
ZP2	849	15	SRV+SX-1	Combination	-0.000286	0.000104	-0.009867	-18.4316
ZP2	849	15	SRV+SX-1	Combination	-0.000289	0.000094	-0.009876	-18.4484
ZP2	850	16	SRV+SX-1	Combination	-0.000287	0.0001	-0.010577	-19.7578
ZP2	850	16	SRV+SX-1	Combination	-0.000291	0.000089	-0.010586	-19.7746
ZP2	851	17	SRV+SX-1	Combination	-0.000395	0.000046	-0.008986	-16.7858
ZP2	851	17	SRV+SX-1	Combination	-0.000395	0.000034	-0.009029	-16.8662
ZP2	852	2557	SRV+SX-1	Combination	-0.000395	0.000037	-0.007981	-14.9085
ZP2	852	2557	SRV+SX-1	Combination	-0.000395	0.000025	-0.008017	-14.9758
ZP2	853	2558	SRV+SX-1	Combination	-0.000395	0.000031	-0.006953	-12.9882
ZP2	853	2558	SRV+SX-1	Combination	-0.000395	0.000019	-0.006979	-13.0368
ZP2	854	2559	SRV+SX-1	Combination	-0.000395	0.000029	-0.006073	-11.3444
ZP2	854	2559	SRV+SX-1	Combination	-0.000395	0.000016	-0.00609	-11.3761
ZP2	855	2560	SRV+SX-1	Combination	-0.000395	0.000029	-0.005454	-10.1881
ZP2	855	2560	SRV+SX-1	Combination	-0.000395	0.000015	-0.005461	-10.2011
ZP2	856	2561	SRV+SX-1	Combination	-0.000395	0.00003	-0.005151	-9.62207
ZP2	856	2561	SRV+SX-1	Combination	-0.000395	0.000015	-0.005154	-9.62767
ZP2	857	2562	SRV+SX-1	Combination	-0.000395	0.000033	-0.005171	-9.65943
ZP2	857	2562	SRV+SX-1	Combination	-0.000395	0.000017	-0.005184	-9.68371
ZP2	858	2563	SRV+SX-1	Combination	-0.000395	0.000036	-0.005491	-10.2572
ZP2	858	2563	SRV+SX-1	Combination	-0.000395	0.000019	-0.005514	-10.3002
ZP2	859	2564	SRV+SX-1	Combination	-0.000395	0.000038	-0.006038	-11.279
ZP2	859	2564	SRV+SX-1	Combination	-0.000395	0.00002	-0.00607	-11.3388
ZP2	860	2565	SRV+SX-1	Combination	-0.000396	0.000038	-0.006692	-12.5007
ZP2	860	2565	SRV+SX-1	Combination	-0.000396	0.000019	-0.006732	-12.5754
ZP2	861	2566	SRV+SX-1	Combination	-0.000396	0.000034	-0.00728	-13.599
ZP2	861	2566	SRV+SX-1	Combination	-0.000396	0.000016	-0.007327	-13.6868
ZP2	862	18	SRV+SX-1	Combination	-0.000093	0.000089	-0.008931	-16.6831
ZP2	862	18	SRV+SX-1	Combination	-0.000094	0.000077	-0.008958	-16.7335
ZP2	863	2567	SRV+SX-1	Combination	-0.000101	0.000085	-0.00818	-15.2802
ZP2	863	2567	SRV+SX-1	Combination	-0.000102	0.000073	-0.0082	-15.3176
ZP2	864	2568	SRV+SX-1	Combination	-0.000108	0.000076	-0.007315	-13.6644
ZP2	864	2568	SRV+SX-1	Combination	-0.000109	0.000064	-0.007327	-13.6868
ZP2	865	2569	SRV+SX-1	Combination	-0.000116	0.000064	-0.006541	-12.2186
ZP2	865	2569	SRV+SX-1	Combination	-0.000117	0.00005	-0.006541	-12.2186
ZP2	866	2570	SRV+SX-1	Combination	-0.000124	0.000049	-0.005978	-11.1669
ZP2	866	2570	SRV+SX-1	Combination	-0.000125	0.000033	-0.005992	-11.1931

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ZP2	867	2571	SRV+SX-1	Combination	-0.000131	0.000034	-0.005716	-10.6775
ZP2	867	2571	SRV+SX-1	Combination	-0.000133	0.000016	-0.005747	-10.7354
ZP2	868	2572	SRV+SX-1	Combination	-0.000139	0.000019	-0.005783	-10.8026
ZP2	868	2572	SRV+SX-1	Combination	-0.000141	-0.000001	-0.005832	-10.8942
ZP2	869	2573	SRV+SX-1	Combination	-0.000147	0.000007	-0.006155	-11.4975
ZP2	869	2573	SRV+SX-1	Combination	-0.000149	-0.000016	-0.006224	-11.6264
ZP2	870	2574	SRV+SX-1	Combination	-0.000154	-0.000004	-0.006761	-12.6295
ZP2	870	2574	SRV+SX-1	Combination	-0.000156	-0.000028	-0.006851	-12.7977
ZP2	871	2575	SRV+SX-1	Combination	-0.000162	-0.00001	-0.007475	-13.9633
ZP2	871	2575	SRV+SX-1	Combination	-0.000164	-0.000035	-0.007585	-14.1688
ZP2	872	2576	SRV+SX-1	Combination	-0.00017	-0.000012	-0.008112	-15.1532
ZP2	872	2576	SRV+SX-1	Combination	-0.000172	-0.000035	-0.008238	-15.3886
ZP2	873	19	SRV+SX-1	Combination	-0.000291	0.000106	-0.010243	-19.1339
ZP2	873	19	SRV+SX-1	Combination	-0.000294	0.000096	-0.010248	-19.1433
ZP2	874	2577	SRV+SX-1	Combination	-0.000293	0.000103	-0.009199	-17.1837
ZP2	874	2577	SRV+SX-1	Combination	-0.000296	0.000093	-0.009201	-17.1875
ZP2	875	2578	SRV+SX-1	Combination	-0.000295	0.000096	-0.008039	-15.0169
ZP2	875	2578	SRV+SX-1	Combination	-0.000299	0.000085	-0.00805	-15.0374
ZP2	876	2579	SRV+SX-1	Combination	-0.000298	0.000087	-0.006982	-13.0424
ZP2	876	2579	SRV+SX-1	Combination	-0.000301	0.000076	-0.007007	-13.0891
ZP2	877	2580	SRV+SX-1	Combination	-0.0003	0.000078	-0.006169	-11.5237
ZP2	877	2580	SRV+SX-1	Combination	-0.000303	0.000065	-0.006212	-11.604
ZP2	878	2581	SRV+SX-1	Combination	-0.000302	0.00007	-0.005677	-10.6046
ZP2	878	2581	SRV+SX-1	Combination	-0.000305	0.000055	-0.005745	-10.7317
ZP2	879	2582	SRV+SX-1	Combination	-0.000304	0.000062	-0.005532	-10.3338
ZP2	879	2582	SRV+SX-1	Combination	-0.000307	0.000046	-0.005628	-10.5131
ZP2	880	2583	SRV+SX-1	Combination	-0.000306	0.000057	-0.005709	-10.6644
ZP2	880	2583	SRV+SX-1	Combination	-0.000309	0.00004	-0.005837	-10.9035
ZP2	881	2584	SRV+SX-1	Combination	-0.000308	0.000054	-0.006138	-11.4658
ZP2	881	2584	SRV+SX-1	Combination	-0.000311	0.000036	-0.006299	-11.7665
ZP2	882	2585	SRV+SX-1	Combination	-0.00031	0.000054	-0.006698	-12.5119
ZP2	882	2585	SRV+SX-1	Combination	-0.000313	0.000035	-0.006892	-12.8743
ZP2	883	2586	SRV+SX-1	Combination	-0.000313	0.000055	-0.007216	-13.4795
ZP2	883	2586	SRV+SX-1	Combination	-0.000316	0.000037	-0.007438	-13.8942
ZP2	884	20	SRV+SX-1	Combination	-0.00018	0.000143	-0.009329	-17.4266
ZP2	884	20	SRV+SX-1	Combination	-0.000198	0.000134	-0.009353	-17.4714
ZP2	885	2587	SRV+SX-1	Combination	-0.000183	0.00013	-0.008421	-15.7304
ZP2	885	2587	SRV+SX-1	Combination	-0.000201	0.000121	-0.008438	-15.7622
ZP2	886	2588	SRV+SX-1	Combination	-0.000186	0.000116	-0.007416	-13.8531
ZP2	886	2588	SRV+SX-1	Combination	-0.000204	0.000105	-0.007424	-13.868
ZP2	887	2589	SRV+SX-1	Combination	-0.000189	0.000101	-0.006507	-12.1551
ZP2	887	2589	SRV+SX-1	Combination	-0.000208	0.000089	-0.006513	-12.1663
ZP2	888	2590	SRV+SX-1	Combination	-0.000192	0.000089	-0.005817	-10.8662
ZP2	888	2590	SRV+SX-1	Combination	-0.000211	0.000074	-0.005841	-10.911
ZP2	889	2591	SRV+SX-1	Combination	-0.000196	0.000077	-0.005428	-10.1395
ZP2	889	2591	SRV+SX-1	Combination	-0.000214	0.00006	-0.005473	-10.2236
ZP2	890	2592	SRV+SX-1	Combination	-0.000199	0.000068	-0.005362	-10.0162
ZP2	890	2592	SRV+SX-1	Combination	-0.000217	0.000048	-0.005432	-10.147
ZP2	891	2593	SRV+SX-1	Combination	-0.000202	0.000061	-0.005595	-10.4515
ZP2	891	2593	SRV+SX-1	Combination	-0.000221	0.000038	-0.005692	-10.6327
ZP2	892	2594	SRV+SX-1	Combination	-0.000205	0.000055	-0.00606	-11.3201
ZP2	892	2594	SRV+SX-1	Combination	-0.000224	0.000031	-0.006186	-11.5554
ZP2	893	2595	SRV+SX-1	Combination	-0.000208	0.00005	-0.006641	-12.4054
ZP2	893	2595	SRV+SX-1	Combination	-0.000227	0.000027	-0.006794	-12.6912
ZP2	894	2596	SRV+SX-1	Combination	-0.000211	0.000045	-0.00717	-13.3936
ZP2	894	2596	SRV+SX-1	Combination	-0.00023	0.000025	-0.007344	-13.7186
ZP2	895	2597	SRV+SX-1	Combination	-0.000361	0.000307	-0.007315	-13.6644
ZP2	895	2597	SRV+SX-1	Combination	-0.000362	0.000297	-0.007322	-13.6775

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ZP2	896	2598	SRV+SX-1	Combination	-0.000281	0.000297	-0.006193	-11.5685
ZP2	896	2598	SRV+SX-1	Combination	-0.000282	0.000288	-0.006199	-11.5797
ZP2	897	2599	SRV+SX-1	Combination	-0.000194	0.000288	-0.004918	-9.18682
ZP2	897	2599	SRV+SX-1	Combination	-0.000196	0.000279	-0.004925	-9.1999
ZP2	898	2600	SRV+SX-1	Combination	-0.00011	0.000278	-0.00363	-6.78084
ZP2	898	2600	SRV+SX-1	Combination	-0.000114	0.000269	-0.003636	-6.79205
ZP2	899	2601	SRV+SX-1	Combination	-0.000039	0.000269	-0.00243	-4.53924
ZP2	899	2601	SRV+SX-1	Combination	-0.000044	0.00026	-0.002436	-4.55045
ZP2	900	2602	SRV+SX-1	Combination	0.000011	0.000259	-0.001397	-2.6096
ZP2	900	2602	SRV+SX-1	Combination	0.000007	0.00025	-0.001402	-2.61894
ZP2	901	2603	SRV+SX-1	Combination	0.000033	0.00025	-0.000597	-1.1152
ZP2	901	2603	SRV+SX-1	Combination	0.000029	0.000241	-0.0006	-1.1208
ZP2	902	21	SRV+SX-1	Combination	-0.000364	0.000062	-0.009309	-17.3892
ZP2	902	21	SRV+SX-1	Combination	-0.000365	0.000051	-0.009351	-17.4677
ZP2	903	2604	SRV+SX-1	Combination	-0.000316	0.000065	-0.00888	-16.5878
ZP2	903	2604	SRV+SX-1	Combination	-0.000317	0.000054	-0.008912	-16.6476
ZP2	904	2605	SRV+SX-1	Combination	-0.00026	0.000068	-0.008586	-16.0386
ZP2	904	2605	SRV+SX-1	Combination	-0.000262	0.000056	-0.008605	-16.0741
ZP2	905	2607	SRV+SX-1	Combination	-0.000152	0.000075	-0.008629	-16.119
ZP2	905	2607	SRV+SX-1	Combination	-0.000153	0.000062	-0.008635	-16.1302
ZP2	906	22	SRV+SX-1	Combination	-0.000112	0.000078	-0.008902	-16.6289
ZP2	906	22	SRV+SX-1	Combination	-0.000113	0.000065	-0.00892	-16.6626
ZP2	907	23	SRV+SX-1	Combination	-0.000088	0.000081	-0.009193	-17.1725
ZP2	907	23	SRV+SX-1	Combination	-0.000089	0.000068	-0.00922	-17.223
ZP2	908	2608	SRV+SX-1	Combination	-0.000372	0.000021	-0.00741	-13.8419
ZP2	908	2608	SRV+SX-1	Combination	-0.000373	0.000005	-0.007442	-13.9017
ZP2	909	2609	SRV+SX-1	Combination	-0.000336	0.000017	-0.007213	-13.4739
ZP2	909	2609	SRV+SX-1	Combination	-0.000337	1.258E-07	-0.007227	-13.5
ZP2	910	2610	SRV+SX-1	Combination	-0.000295	0.000013	-0.007108	-13.2777
ZP2	910	2610	SRV+SX-1	Combination	-0.000295	-0.000004	-0.007111	-13.2833
ZP2	911	2611	SRV+SX-1	Combination	-0.000253	0.000009	-0.007155	-13.3655
ZP2	911	2611	SRV+SX-1	Combination	-0.000254	-0.000009	-0.007177	-13.4066
ZP2	912	2612	SRV+SX-1	Combination	-0.000216	0.000005	-0.007383	-13.7914
ZP2	912	2612	SRV+SX-1	Combination	-0.000219	-0.000013	-0.007426	-13.8718
ZP2	913	2613	SRV+SX-1	Combination	-0.00019	3.498E-07	-0.007749	-14.4751
ZP2	913	2613	SRV+SX-1	Combination	-0.000193	-0.000018	-0.007817	-14.6022
ZP2	914	2614	SRV+SX-1	Combination	-0.000177	-0.000004	-0.008149	-15.2223
ZP2	914	2614	SRV+SX-1	Combination	-0.000178	-0.000022	-0.008248	-15.4073
ZP2	915	24	SRV+SX-1	Combination	-0.00032	0.000054	-0.007365	-13.7578
ZP2	915	24	SRV+SX-1	Combination	-0.000325	0.000037	-0.007597	-14.1912
ZP2	916	2615	SRV+SX-1	Combination	-0.000331	0.000049	-0.007189	-13.4291
ZP2	916	2615	SRV+SX-1	Combination	-0.000336	0.000033	-0.007398	-13.8195
ZP2	917	2616	SRV+SX-1	Combination	-0.000347	0.000044	-0.007069	-13.2049
ZP2	917	2616	SRV+SX-1	Combination	-0.00035	0.000028	-0.007246	-13.5355
ZP2	918	2617	SRV+SX-1	Combination	-0.000366	0.00004	-0.007076	-13.218
ZP2	918	2617	SRV+SX-1	Combination	-0.000367	0.000023	-0.007216	-13.4795
ZP2	919	2618	SRV+SX-1	Combination	-0.000383	0.000035	-0.007214	-13.4758
ZP2	919	2618	SRV+SX-1	Combination	-0.000383	0.000019	-0.007319	-13.6719
ZP2	920	2619	SRV+SX-1	Combination	-0.000395	0.00003	-0.007422	-13.8643
ZP2	920	2619	SRV+SX-1	Combination	-0.000396	0.000014	-0.007496	-14.0025
ZP2	921	2620	SRV+SX-1	Combination	-0.000257	0.000379	-0.007211	-13.4701
ZP2	921	2620	SRV+SX-1	Combination	-0.000262	0.00037	-0.007213	-13.4739
ZP2	922	2621	SRV+SX-1	Combination	-0.000276	0.000368	-0.00727	-13.5804
ZP2	922	2621	SRV+SX-1	Combination	-0.000281	0.00036	-0.007272	-13.5841
ZP2	923	2622	SRV+SX-1	Combination	-0.000318	0.000358	-0.007432	-13.883
ZP2	923	2622	SRV+SX-1	Combination	-0.000322	0.000349	-0.007432	-13.883
ZP2	924	2623	SRV+SX-1	Combination	-0.000369	0.000347	-0.007699	-14.3817
ZP2	924	2623	SRV+SX-1	Combination	-0.000371	0.000338	-0.0077	-14.3836

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HERNÁN COLOMA
CONSULTORÍA Y CONSTRUCCIÓN

ZP2	925	2624	SRV+SX-1	Combination	-0.000415	0.000337	-0.008004	-14.9515
ZP2	925	2624	SRV+SX-1	Combination	-0.000415	0.000328	-0.008007	-14.9571
ZP2	926	2625	SRV+SX-1	Combination	-0.000439	0.000327	-0.008209	-15.3344
ZP2	926	2625	SRV+SX-1	Combination	-0.000439	0.000317	-0.008214	-15.3438
ZP2	927	25	SRV+SX-1	Combination	-0.0003	0.000097	-0.010591	-19.784
ZP2	927	25	SRV+SX-1	Combination	-0.000303	0.000086	-0.010603	-19.8064
ZP2	928	26	SRV+SX-1	Combination	-0.000316	0.000091	-0.010176	-19.0088
ZP2	928	26	SRV+SX-1	Combination	-0.000319	0.00008	-0.010194	-19.0424
ZP2	929	27	SRV+SX-1	Combination	-0.000338	0.000084	-0.009831	-18.3643
ZP2	929	27	SRV+SX-1	Combination	-0.00034	0.000073	-0.009856	-18.411
ZP2	930	28	SRV+SX-1	Combination	-0.000361	0.000078	-0.009657	-18.0393
ZP2	930	28	SRV+SX-1	Combination	-0.000363	0.000067	-0.00969	-18.1009
ZP2	931	29	SRV+SX-1	Combination	-0.000382	0.000072	-0.009656	-18.0374
ZP2	931	29	SRV+SX-1	Combination	-0.000383	0.00006	-0.009697	-18.114
ZP2	932	30	SRV+SX-1	Combination	-0.000396	0.000065	-0.009739	-18.1925
ZP2	932	30	SRV+SX-1	Combination	-0.000396	0.000054	-0.009785	-18.2784
ZP2	933	2626	SRV+SX-1	Combination	-0.000218	0.000042	-0.007276	-13.5916
ZP2	933	2626	SRV+SX-1	Combination	-0.00023	0.000027	-0.007433	-13.8848
ZP2	934	2627	SRV+SX-1	Combination	-0.000227	0.000044	-0.007078	-13.2217
ZP2	934	2627	SRV+SX-1	Combination	-0.000235	0.00003	-0.007178	-13.4085
ZP2	935	2628	SRV+SX-1	Combination	-0.000242	0.000047	-0.00696	-13.0013
ZP2	935	2628	SRV+SX-1	Combination	-0.000247	0.000032	-0.006985	-13.048
ZP2	936	2629	SRV+SX-1	Combination	-0.000262	0.00005	-0.006934	-12.9527
ZP2	936	2629	SRV+SX-1	Combination	-0.000264	0.000035	-0.00699	-13.0573
ZP2	937	2630	SRV+SX-1	Combination	-0.000283	0.000053	-0.00704	-13.1507
ZP2	937	2630	SRV+SX-1	Combination	-0.000285	0.000037	-0.007174	-13.401
ZP2	938	2631	SRV+SX-1	Combination	-0.000303	0.000055	-0.007254	-13.5505
ZP2	938	2631	SRV+SX-1	Combination	-0.000303	0.000039	-0.007452	-13.9203
ZP2	939	2632	SRV+SX-1	Combination	-0.000121	0.000434	-0.00677	-12.6464
ZP2	939	2632	SRV+SX-1	Combination	-0.000134	0.000427	-0.006796	-12.6949
ZP2	940	2633	SRV+SX-1	Combination	-0.000134	0.000427	-0.006592	-12.3139
ZP2	940	2633	SRV+SX-1	Combination	-0.000144	0.00042	-0.006614	-12.355
ZP2	941	2634	SRV+SX-1	Combination	-0.00017	0.000419	-0.006485	-12.114
ZP2	941	2634	SRV+SX-1	Combination	-0.000177	0.000412	-0.006502	-12.1457
ZP2	942	2635	SRV+SX-1	Combination	-0.000217	0.000412	-0.006514	-12.1682
ZP2	942	2635	SRV+SX-1	Combination	-0.00022	0.000404	-0.006525	-12.1887
ZP2	943	2636	SRV+SX-1	Combination	-0.00026	0.000404	-0.006686	-12.4894
ZP2	943	2636	SRV+SX-1	Combination	-0.000261	0.000396	-0.006692	-12.5007
ZP2	944	2637	SRV+SX-1	Combination	-0.000283	0.000397	-0.006948	-12.9789
ZP2	944	2637	SRV+SX-1	Combination	-0.000285	0.000388	-0.006949	-12.9807
ZP2	945	31	SRV+SX-1	Combination	-0.000178	0.000146	-0.009936	-18.5604
ZP2	945	31	SRV+SX-1	Combination	-0.000193	0.000135	-0.009954	-18.5941
ZP2	946	32	SRV+SX-1	Combination	-0.000188	0.000139	-0.009861	-18.4203
ZP2	946	32	SRV+SX-1	Combination	-0.000199	0.000128	-0.009872	-18.4409
ZP2	947	33	SRV+SX-1	Combination	-0.000205	0.000132	-0.00984	-18.3811
ZP2	947	33	SRV+SX-1	Combination	-0.000212	0.000121	-0.009846	-18.3923
ZP2	948	34	SRV+SX-1	Combination	-0.000228	0.000125	-0.009975	-18.6333
ZP2	948	34	SRV+SX-1	Combination	-0.000231	0.000114	-0.009977	-18.637
ZP2	949	35	SRV+SX-1	Combination	-0.000253	0.000118	-0.01027	-19.1844
ZP2	949	35	SRV+SX-1	Combination	-0.000253	0.000107	-0.010272	-19.1881
ZP2	950	36	SRV+SX-1	Combination	-0.000274	0.000111	-0.010634	-19.8643
ZP2	950	36	SRV+SX-1	Combination	-0.000276	0.0001	-0.010639	-19.8737
ZP2	951	2638	SRV+SX-1	Combination	-0.00042	0.000271	-0.008367	-15.6296
ZP2	951	2638	SRV+SX-1	Combination	-0.000421	0.000263	-0.008375	-15.6445
ZP2	952	2639	SRV+SX-1	Combination	-0.000416	0.00023	-0.008486	-15.8518
ZP2	952	2639	SRV+SX-1	Combination	-0.000417	0.000223	-0.0085	-15.878
ZP2	953	2640	SRV+SX-1	Combination	-0.000412	0.000195	-0.008588	-16.0424
ZP2	953	2640	SRV+SX-1	Combination	-0.000413	0.000188	-0.008611	-16.0853

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ZP2	954	37	SRV+SX-1	Combination	-0.000408	0.000165	-0.008741	-16.3282
ZP2	954	37	SRV+SX-1	Combination	-0.000409	0.000158	-0.008772	-16.3861
ZP2	955	38	SRV+SX-1	Combination	-0.000404	0.00014	-0.008924	-16.67
ZP2	955	38	SRV+SX-1	Combination	-0.000405	0.000133	-0.008962	-16.741
ZP2	956	39	SRV+SX-1	Combination	-0.000402	0.000119	-0.009095	-16.9895
ZP2	956	39	SRV+SX-1	Combination	-0.000403	0.00011	-0.009137	-17.0679
ZP2	957	40	SRV+SX-1	Combination	-0.0004	0.000101	-0.009325	-17.4191
ZP2	957	40	SRV+SX-1	Combination	-0.000401	0.000092	-0.009371	-17.505
ZP2	958	41	SRV+SX-1	Combination	-0.000398	0.000085	-0.009588	-17.9104
ZP2	958	41	SRV+SX-1	Combination	-0.000399	0.000076	-0.009635	-17.9982
ZP2	959	42	SRV+SX-1	Combination	-0.000396	0.000072	-0.00978	-18.269
ZP2	959	42	SRV+SX-1	Combination	-0.000397	0.000061	-0.009828	-18.3587

Los esfuerzos transmitidos al suelo son menores que la capacidad máxima estática del suelo 26 ton/m^2

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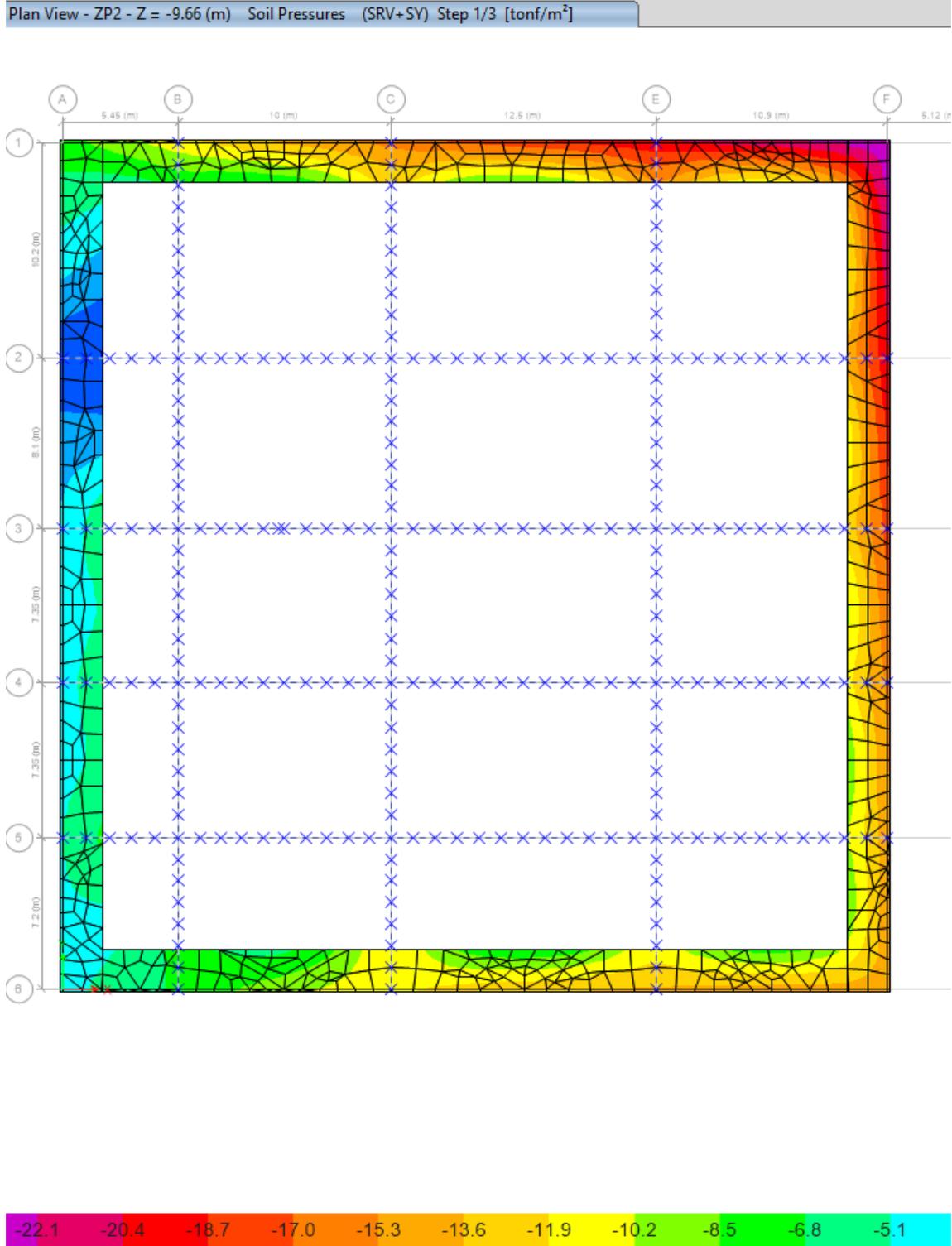
7.4. COMBINACIÓN D+L+SX (SRV+SY):

Zapata

Esfuerzo máximo 22.1 ton/m² menor a capacidad máxima de 20 ton/m²

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Vigas Bidireccionales

TABLE: Joint Displacements								
Story	Label	Unique Name	Output Case	Case Type	Ux	Uy	Uz	Qa
					m	m	m	Ton/m2
ZP2	2	2	SRV+SY	Combination	-0.00152	-0.000073	-0.005918	-11.0548
ZP2	2	2	SRV+SY	Combination	-0.001552	-0.000078	-0.005989	-11.1875
ZP2	4	2419	SRV+SY	Combination	-0.000096	-0.000159	-0.000135	-0.25218
ZP2	4	2419	SRV+SY	Combination	-0.000098	-0.000183	-0.000135	-0.25218
ZP2	5	2431	SRV+SY	Combination	-0.000159	-0.000003	-0.000096	-0.17933
ZP2	5	2431	SRV+SY	Combination	-0.00016	-0.000009	-0.000096	-0.17933
ZP2	6	2425	SRV+SY	Combination	-0.000695	0.000356	-0.001991	-3.71919
ZP2	6	2425	SRV+SY	Combination	-0.000696	0.000337	-0.002024	-3.78083
ZP2	7	2433	SRV+SY	Combination	-0.000691	0.00003	-0.007036	-13.1432
ZP2	7	2433	SRV+SY	Combination	-0.000691	0.000023	-0.007041	-13.1526
ZP2	8	2424	SRV+SY	Combination	-0.000503	0.0004	-0.002205	-4.11894
ZP2	8	2424	SRV+SY	Combination	-0.000506	0.000377	-0.002211	-4.13015
ZP2	9	2430	SRV+SY	Combination	-0.000504	0.000052	-0.006721	-12.5548
ZP2	9	2430	SRV+SY	Combination	-0.000507	0.000045	-0.006722	-12.5567
ZP2	10	2418	SRV+SY	Combination	-0.000538	0.000374	-0.002696	-5.03613
ZP2	10	2418	SRV+SY	Combination	-0.000552	0.000347	-0.00273	-5.09964
ZP2	11	2429	SRV+SY	Combination	-0.000525	0.000056	-0.006212	-11.604
ZP2	11	2429	SRV+SY	Combination	-0.00054	0.000051	-0.00623	-11.6376
ZP2	12	2426	SRV+SY	Combination	-0.000919	0.000055	-0.003798	-7.09466
ZP2	12	2426	SRV+SY	Combination	-0.000947	0.000053	-0.003799	-7.09653
ZP2	13	2427	SRV+SY	Combination	-0.000575	-0.000256	-0.006067	-11.3332
ZP2	13	2427	SRV+SY	Combination	-0.000615	-0.000264	-0.006216	-11.6115
ZP2	14	4	SRV+SY	Combination	-0.000492	-0.000288	-0.010037	-18.7491
ZP2	14	4	SRV+SY	Combination	-0.000507	-0.000296	-0.010054	-18.7809
ZP2	20	5	SRV+SY	Combination	-0.000512	-0.000331	-0.01063	-19.8568
ZP2	20	5	SRV+SY	Combination	-0.000513	-0.000338	-0.010636	-19.868
ZP2	23	6	SRV+SY	Combination	-0.000647	-0.000392	-0.00829	-15.4857
ZP2	23	6	SRV+SY	Combination	-0.000647	-0.0004	-0.008326	-15.553
ZP2	28	8	SRV+SY	Combination	-0.000265	-0.000361	-0.012004	-22.4235
ZP2	28	8	SRV+SY	Combination	-0.000266	-0.00037	-0.012028	-22.4683
ZP2	35	1	SRV+SY	Combination	-0.001177	-0.000412	-0.008385	-15.6632
ZP2	35	1	SRV+SY	Combination	-0.00122	-0.000422	-0.008461	-15.8051
ZP2	41	2441	SRV+SY	Combination	-0.000754	-0.00004	-0.001275	-2.3817
ZP2	41	2441	SRV+SY	Combination	-0.000766	-0.000046	-0.001293	-2.41532
ZP2	46	2449	SRV+SY	Combination	-0.000767	-0.000388	-0.006819	-12.7379
ZP2	46	2449	SRV+SY	Combination	-0.000791	-0.000397	-0.006825	-12.7491
ZP2	257	2538	SRV+SY	Combination	-0.000212	-0.000147	-0.005223	-9.75656
ZP2	257	2538	SRV+SY	Combination	-0.000212	-0.000152	-0.005234	-9.77711
ZP2	259	2546	SRV+SY	Combination	-0.000508	-0.000136	-0.00698	-13.0386
ZP2	259	2546	SRV+SY	Combination	-0.000523	-0.000141	-0.006982	-13.0424
ZP2	260	2554	SRV+SY	Combination	-0.000508	-0.00016	-0.007553	-14.109
ZP2	260	2554	SRV+SY	Combination	-0.00051	-0.000165	-0.007557	-14.1165
ZP2	265	3	SRV+SY	Combination	-0.000924	-0.000848	-0.010575	-19.7541
ZP2	265	3	SRV+SY	Combination	-0.001005	-0.000866	-0.010618	-19.8344
ZP2	267	9	SRV+SY	Combination	-0.000374	-0.000704	-0.007753	-14.4826
ZP2	267	9	SRV+SY	Combination	-0.000377	-0.000717	-0.007849	-14.6619
ZP2	268	2423	SRV+SY	Combination	-0.000471	-0.00012	-0.010645	-19.8849
ZP2	268	2423	SRV+SY	Combination	-0.000474	-0.000227	-0.010651	-19.8961
ZP2	269	2434	SRV+SY	Combination	-0.000644	-0.000599	-0.008118	-15.1644
ZP2	269	2434	SRV+SY	Combination	-0.000644	-0.00061	-0.008154	-15.2317

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ZP2	270	2422	SRV+SY	Combination	-0.000683	-0.000027	-0.00932	-17.4098
ZP2	270	2422	SRV+SY	Combination	-0.000684	-0.000136	-0.009329	-17.4266
ZP2	271	7	SRV+SY	Combination	-0.000535	-0.000538	-0.009947	-18.581
ZP2	271	7	SRV+SY	Combination	-0.000537	-0.000549	-0.010116	-18.8967
ZP2	272	2421	SRV+SY	Combination	-0.000574	0.000154	-0.008293	-15.4913
ZP2	272	2421	SRV+SY	Combination	-0.000576	0.000042	-0.008313	-15.5287
ZP2	273	2432	SRV+SY	Combination	-0.000465	-0.00052	-0.005603	-10.4664
ZP2	273	2432	SRV+SY	Combination	-0.000482	-0.00053	-0.005737	-10.7167
ZP2	274	2420	SRV+SY	Combination	-0.00048	0.00036	-0.00775	-14.477
ZP2	274	2420	SRV+SY	Combination	-0.000495	0.000246	-0.007787	-14.5461
ZP2	275	2428	SRV+SY	Combination	-0.000088	-0.000428	-0.007287	-13.6121
ZP2	275	2428	SRV+SY	Combination	-0.000172	-0.000434	-0.007401	-13.8251
ZP2	742	2435	SRV+SY	Combination	-0.000669	-0.000159	-0.009685	-18.0916
ZP2	742	2435	SRV+SY	Combination	-0.00067	-0.000164	-0.009712	-18.142
ZP2	776	2606	SRV+SY	Combination	-0.00041	-0.000377	-0.009085	-16.9708
ZP2	776	2606	SRV+SY	Combination	-0.000411	-0.000385	-0.009089	-16.9783
ZP2	17	2436	SRV+SY	Combination	-0.000601	-0.000799	-0.006464	-12.0748
ZP2	17	2436	SRV+SY	Combination	-0.000642	-0.000814	-0.00671	-12.5343
ZP2	403	2437	SRV+SY	Combination	-0.000204	-0.00001	0.000011	0.020548
ZP2	403	2437	SRV+SY	Combination	-0.000205	-0.000016	0.000009	0.016812
ZP2	404	2438	SRV+SY	Combination	-0.000292	-0.000018	-0.000073	-0.13636
ZP2	404	2438	SRV+SY	Combination	-0.000295	-0.000024	-0.000078	-0.1457
ZP2	405	2439	SRV+SY	Combination	-0.000418	-0.000025	-0.000324	-0.60523
ZP2	405	2439	SRV+SY	Combination	-0.000424	-0.000031	-0.000332	-0.62018
ZP2	406	2440	SRV+SY	Combination	-0.000575	-0.000033	-0.000726	-1.35617
ZP2	406	2440	SRV+SY	Combination	-0.000584	-0.000038	-0.000738	-1.37858
ZP2	407	2442	SRV+SY	Combination	-0.000946	-0.000048	-0.001968	-3.67622
ZP2	407	2442	SRV+SY	Combination	-0.000961	-0.000053	-0.001993	-3.72292
ZP2	408	2443	SRV+SY	Combination	-0.001136	-0.000055	-0.002803	-5.236
ZP2	408	2443	SRV+SY	Combination	-0.001155	-0.00006	-0.002837	-5.29952
ZP2	409	2444	SRV+SY	Combination	-0.001307	-0.000063	-0.003767	-7.03676
ZP2	409	2444	SRV+SY	Combination	-0.00133	-0.000068	-0.003813	-7.12268
ZP2	410	2445	SRV+SY	Combination	-0.001429	-0.000068	-0.004833	-9.02804
ZP2	410	2445	SRV+SY	Combination	-0.001456	-0.000073	-0.004892	-9.13826
ZP2	411	10	SRV+SY	Combination	-0.000295	-0.000367	-0.011352	-21.2055
ZP2	411	10	SRV+SY	Combination	-0.000298	-0.000376	-0.011375	-21.2485
ZP2	412	2446	SRV+SY	Combination	-0.000369	-0.000372	-0.010209	-19.0704
ZP2	412	2446	SRV+SY	Combination	-0.000376	-0.000381	-0.010228	-19.1059
ZP2	413	2447	SRV+SY	Combination	-0.00048	-0.000377	-0.008917	-16.657
ZP2	413	2447	SRV+SY	Combination	-0.000491	-0.000387	-0.00893	-16.6812
ZP2	414	2448	SRV+SY	Combination	-0.000616	-0.000382	-0.00773	-14.4396
ZP2	414	2448	SRV+SY	Combination	-0.000634	-0.000392	-0.007735	-14.449
ZP2	415	2450	SRV+SY	Combination	-0.00092	-0.000393	-0.006294	-11.7572
ZP2	415	2450	SRV+SY	Combination	-0.00095	-0.000403	-0.006313	-11.7927
ZP2	416	2451	SRV+SY	Combination	-0.001057	-0.000398	-0.006217	-11.6134
ZP2	416	2451	SRV+SY	Combination	-0.001093	-0.000408	-0.006249	-11.6731
ZP2	418	2452	SRV+SY	Combination	-0.001158	-0.000403	-0.006594	-12.3176
ZP2	418	2452	SRV+SY	Combination	-0.001199	-0.000414	-0.006641	-12.4054
ZP2	442	2453	SRV+SY	Combination	-0.001188	-0.000409	-0.007378	-13.7821
ZP2	442	2453	SRV+SY	Combination	-0.00123	-0.000419	-0.007439	-13.8961
ZP2	445	2454	SRV+SY	Combination	-0.000681	-0.000809	-0.00665	-12.4222
ZP2	445	2454	SRV+SY	Combination	-0.000732	-0.000825	-0.006872	-12.8369
ZP2	446	2455	SRV+SY	Combination	-0.000763	-0.00082	-0.007162	-13.3786
ZP2	446	2455	SRV+SY	Combination	-0.000823	-0.000836	-0.007344	-13.7186
ZP2	447	2456	SRV+SY	Combination	-0.000837	-0.000831	-0.00803	-15
ZP2	447	2456	SRV+SY	Combination	-0.000905	-0.000847	-0.008162	-15.2466
ZP2	448	2457	SRV+SY	Combination	-0.000887	-0.00084	-0.009227	-17.236
ZP2	448	2457	SRV+SY	Combination	-0.000962	-0.000857	-0.009312	-17.3948

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ZP2	469	11	SRV+SY	Combination	-0.000384	-0.000723	-0.007479	-13.9708
ZP2	469	11	SRV+SY	Combination	-0.000392	-0.000736	-0.007608	-14.2117
ZP2	470	2458	SRV+SY	Combination	-0.000412	-0.000742	-0.007064	-13.1956
ZP2	470	2458	SRV+SY	Combination	-0.000427	-0.000756	-0.007232	-13.5094
ZP2	471	2459	SRV+SY	Combination	-0.000459	-0.000761	-0.00669	-12.4969
ZP2	471	2459	SRV+SY	Combination	-0.000481	-0.000775	-0.006896	-12.8817
ZP2	472	2460	SRV+SY	Combination	-0.000523	-0.00078	-0.006473	-12.0916
ZP2	472	2460	SRV+SY	Combination	-0.000554	-0.000795	-0.006709	-12.5324
ZP2	473	2461	SRV+SY	Combination	-0.000119	-0.000436	-0.006508	-12.1569
ZP2	473	2461	SRV+SY	Combination	-0.000196	-0.000442	-0.00658	-12.2914
ZP2	474	2462	SRV+SY	Combination	-0.000159	-0.000447	-0.005844	-10.9166
ZP2	474	2462	SRV+SY	Combination	-0.000227	-0.000454	-0.00587	-10.9652
ZP2	475	2463	SRV+SY	Combination	-0.000217	-0.000462	-0.005393	-10.0741
ZP2	475	2463	SRV+SY	Combination	-0.000274	-0.000469	-0.005413	-10.1115
ZP2	476	2464	SRV+SY	Combination	-0.000284	-0.000477	-0.005176	-9.66877
ZP2	476	2464	SRV+SY	Combination	-0.000329	-0.000484	-0.005239	-9.78645
ZP2	477	2465	SRV+SY	Combination	-0.000353	-0.000491	-0.00519	-9.69492
ZP2	477	2465	SRV+SY	Combination	-0.000387	-0.000499	-0.00529	-9.88172
ZP2	478	2466	SRV+SY	Combination	-0.000417	-0.000506	-0.005369	-10.0293
ZP2	478	2466	SRV+SY	Combination	-0.000441	-0.000514	-0.005495	-10.2647
ZP2	479	2467	SRV+SY	Combination	-0.000864	0.000055	-0.003806	-7.10961
ZP2	479	2467	SRV+SY	Combination	-0.000889	0.000052	-0.00381	-7.11708
ZP2	507	2468	SRV+SY	Combination	-0.000807	0.000055	-0.003939	-7.35805
ZP2	507	2468	SRV+SY	Combination	-0.00083	0.000052	-0.003945	-7.36926
ZP2	508	2469	SRV+SY	Combination	-0.000741	0.000055	-0.004244	-7.92779
ZP2	508	2469	SRV+SY	Combination	-0.000762	0.000052	-0.004254	-7.94647
ZP2	603	2470	SRV+SY	Combination	-0.000677	0.000055	-0.0047	-8.7796
ZP2	603	2470	SRV+SY	Combination	-0.000697	0.000052	-0.004713	-8.80388
ZP2	605	2471	SRV+SY	Combination	-0.000619	0.000056	-0.005249	-9.80513
ZP2	605	2471	SRV+SY	Combination	-0.000637	0.000051	-0.005265	-9.83502
ZP2	607	2472	SRV+SY	Combination	-0.000569	0.000056	-0.005798	-10.8307
ZP2	607	2472	SRV+SY	Combination	-0.000585	0.000051	-0.005816	-10.8643
ZP2	613	2473	SRV+SY	Combination	-0.000574	-0.00026	-0.006032	-11.2678
ZP2	613	2473	SRV+SY	Combination	-0.000614	-0.000268	-0.006154	-11.4957
ZP2	614	2474	SRV+SY	Combination	-0.000567	-0.000265	-0.006209	-11.5984
ZP2	614	2474	SRV+SY	Combination	-0.000604	-0.000272	-0.006303	-11.774
ZP2	615	2475	SRV+SY	Combination	-0.000551	-0.000269	-0.006685	-12.4876
ZP2	615	2475	SRV+SY	Combination	-0.000584	-0.000277	-0.006755	-12.6183
ZP2	616	2476	SRV+SY	Combination	-0.000534	-0.000274	-0.007433	-13.8848
ZP2	616	2476	SRV+SY	Combination	-0.000562	-0.000282	-0.007484	-13.9801
ZP2	617	2477	SRV+SY	Combination	-0.000518	-0.000279	-0.008359	-15.6146
ZP2	617	2477	SRV+SY	Combination	-0.000541	-0.000286	-0.008394	-15.68
ZP2	618	12	SRV+SY	Combination	-0.000504	-0.000284	-0.009304	-17.3799
ZP2	618	12	SRV+SY	Combination	-0.000523	-0.000291	-0.009329	-17.4266
ZP2	619	2478	SRV+SY	Combination	-0.000648	-0.000579	-0.007743	-14.4639
ZP2	619	2478	SRV+SY	Combination	-0.000648	-0.000586	-0.007778	-14.5293
ZP2	620	2479	SRV+SY	Combination	-0.000652	-0.000533	-0.007049	-13.1675
ZP2	620	2479	SRV+SY	Combination	-0.000652	-0.000534	-0.00708	-13.2254
ZP2	621	2480	SRV+SY	Combination	-0.000656	-0.000461	-0.006263	-11.6993
ZP2	621	2480	SRV+SY	Combination	-0.000656	-0.000474	-0.00629	-11.7497
ZP2	622	2481	SRV+SY	Combination	-0.000659	-0.00038	-0.005562	-10.3898
ZP2	622	2481	SRV+SY	Combination	-0.00066	-0.000406	-0.005583	-10.429
ZP2	634	2482	SRV+SY	Combination	-0.000663	-0.000296	-0.005075	-9.4801
ZP2	634	2482	SRV+SY	Combination	-0.000663	-0.000338	-0.005092	-9.51186
ZP2	635	2483	SRV+SY	Combination	-0.000667	-0.000216	-0.004895	-9.14386
ZP2	635	2483	SRV+SY	Combination	-0.000667	-0.000274	-0.004909	-9.17001
ZP2	636	2484	SRV+SY	Combination	-0.000671	-0.000146	-0.00508	-9.48944
ZP2	636	2484	SRV+SY	Combination	-0.000671	-0.000219	-0.005091	-9.50999

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ZP2	658	2485	SRV+SY	Combination	-0.000674	-0.000088	-0.005654	-10.5617
ZP2	658	2485	SRV+SY	Combination	-0.000675	-0.000176	-0.005664	-10.5804
ZP2	659	2486	SRV+SY	Combination	-0.000678	-0.000048	-0.006609	-12.3456
ZP2	659	2486	SRV+SY	Combination	-0.000678	-0.000147	-0.006618	-12.3624
ZP2	660	2487	SRV+SY	Combination	-0.000681	-0.000031	-0.007883	-14.7254
ZP2	660	2487	SRV+SY	Combination	-0.000682	-0.000137	-0.007892	-14.7423
ZP2	682	2488	SRV+SY	Combination	-0.000467	-0.000478	-0.005308	-9.91534
ZP2	682	2488	SRV+SY	Combination	-0.000483	-0.00048	-0.005436	-10.1544
ZP2	683	2489	SRV+SY	Combination	-0.000468	-0.00041	-0.004824	-9.01123
ZP2	683	2489	SRV+SY	Combination	-0.000484	-0.000417	-0.004937	-9.22232
ZP2	684	2490	SRV+SY	Combination	-0.00047	-0.000325	-0.004301	-8.03427
ZP2	684	2490	SRV+SY	Combination	-0.000486	-0.000342	-0.004396	-8.21173
ZP2	685	2491	SRV+SY	Combination	-0.000472	-0.00023	-0.003859	-7.20861
ZP2	685	2491	SRV+SY	Combination	-0.000487	-0.00026	-0.003935	-7.35058
ZP2	738	2492	SRV+SY	Combination	-0.000473	-0.000132	-0.00359	-6.70612
ZP2	738	2492	SRV+SY	Combination	-0.000489	-0.000174	-0.003646	-6.81073
ZP2	739	2493	SRV+SY	Combination	-0.000475	-0.000033	-0.003561	-6.65195
ZP2	739	2493	SRV+SY	Combination	-0.00049	-0.000089	-0.003599	-6.72293
ZP2	741	2494	SRV+SY	Combination	-0.000476	0.000064	-0.00382	-7.13576
ZP2	741	2494	SRV+SY	Combination	-0.000492	-0.000007	-0.003841	-7.17499
ZP2	744	2495	SRV+SY	Combination	-0.000478	0.000155	-0.004392	-8.20426
ZP2	744	2495	SRV+SY	Combination	-0.000493	0.00007	-0.004396	-8.21173
ZP2	760	2496	SRV+SY	Combination	-0.000479	0.000237	-0.005269	-9.84249
ZP2	760	2496	SRV+SY	Combination	-0.000494	0.000139	-0.005279	-9.86117
ZP2	761	2497	SRV+SY	Combination	-0.00048	0.000303	-0.006421	-11.9944
ZP2	761	2497	SRV+SY	Combination	-0.000495	0.000196	-0.006445	-12.0393
ZP2	762	2498	SRV+SY	Combination	-0.000539	-0.000507	-0.00943	-17.6152
ZP2	762	2498	SRV+SY	Combination	-0.000541	-0.000513	-0.009591	-17.916
ZP2	763	2499	SRV+SY	Combination	-0.000543	-0.000451	-0.008496	-15.8705
ZP2	763	2499	SRV+SY	Combination	-0.000545	-0.000454	-0.008639	-16.1377
ZP2	764	2500	SRV+SY	Combination	-0.000547	-0.000373	-0.007414	-13.8494
ZP2	764	2500	SRV+SY	Combination	-0.000549	-0.000387	-0.007536	-14.0772
ZP2	765	2501	SRV+SY	Combination	-0.000551	-0.000286	-0.006392	-11.9403
ZP2	765	2501	SRV+SY	Combination	-0.000553	-0.000313	-0.006491	-12.1252
ZP2	766	2502	SRV+SY	Combination	-0.000555	-0.000196	-0.005579	-10.4216
ZP2	766	2502	SRV+SY	Combination	-0.000557	-0.000238	-0.005657	-10.5673
ZP2	767	2503	SRV+SY	Combination	-0.000559	-0.000108	-0.005079	-9.48757
ZP2	767	2503	SRV+SY	Combination	-0.000561	-0.000166	-0.005139	-9.59965
ZP2	768	2504	SRV+SY	Combination	-0.000563	-0.000026	-0.004959	-9.26341
ZP2	768	2504	SRV+SY	Combination	-0.000565	-0.000101	-0.005004	-9.34747
ZP2	769	2505	SRV+SY	Combination	-0.000567	0.000044	-0.00525	-9.807
ZP2	769	2505	SRV+SY	Combination	-0.000569	-0.000045	-0.005284	-9.87051
ZP2	770	2506	SRV+SY	Combination	-0.000571	0.0001	-0.005951	-11.1165
ZP2	770	2506	SRV+SY	Combination	-0.000573	-0.000001	-0.005978	-11.1669
ZP2	771	2507	SRV+SY	Combination	-0.000574	0.000133	-0.007009	-13.0928
ZP2	771	2507	SRV+SY	Combination	-0.000575	0.000025	-0.007031	-13.1339
ZP2	772	2508	SRV+SY	Combination	-0.000384	-0.000679	-0.007349	-13.7279
ZP2	772	2508	SRV+SY	Combination	-0.000386	-0.000686	-0.00744	-13.8979
ZP2	773	2509	SRV+SY	Combination	-0.000393	-0.000629	-0.006675	-12.4689
ZP2	773	2509	SRV+SY	Combination	-0.000395	-0.000631	-0.006756	-12.6202
ZP2	774	2510	SRV+SY	Combination	-0.000402	-0.000556	-0.00595	-11.1146
ZP2	774	2510	SRV+SY	Combination	-0.000405	-0.000569	-0.006019	-11.2435
ZP2	777	2511	SRV+SY	Combination	-0.000412	-0.000476	-0.005345	-9.98446
ZP2	777	2511	SRV+SY	Combination	-0.000414	-0.000502	-0.0054	-10.0872
ZP2	778	2512	SRV+SY	Combination	-0.000421	-0.000396	-0.004988	-9.31758
ZP2	778	2512	SRV+SY	Combination	-0.000424	-0.000435	-0.00503	-9.39604
ZP2	779	2513	SRV+SY	Combination	-0.000431	-0.000321	-0.004971	-9.28583
ZP2	779	2513	SRV+SY	Combination	-0.000433	-0.000375	-0.005001	-9.34187

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ZP2	780	2514	SRV+SY	Combination	-0.00044	-0.000254	-0.005352	-9.99754
ZP2	780	2514	SRV+SY	Combination	-0.000443	-0.000323	-0.005372	-10.0349
ZP2	781	2515	SRV+SY	Combination	-0.00045	-0.0002	-0.006157	-11.5013
ZP2	781	2515	SRV+SY	Combination	-0.000452	-0.000282	-0.006168	-11.5218
ZP2	782	2516	SRV+SY	Combination	-0.000459	-0.000159	-0.007374	-13.7746
ZP2	782	2516	SRV+SY	Combination	-0.000462	-0.000253	-0.007378	-13.7821
ZP2	783	2517	SRV+SY	Combination	-0.000466	-0.000135	-0.008933	-16.6868
ZP2	783	2517	SRV+SY	Combination	-0.000468	-0.000237	-0.008935	-16.6906
ZP2	784	2518	SRV+SY	Combination	-0.000694	0.000305	-0.002822	-5.2715
ZP2	784	2518	SRV+SY	Combination	-0.000695	0.000287	-0.002847	-5.3182
ZP2	785	2519	SRV+SY	Combination	-0.000693	0.000244	-0.003806	-7.10961
ZP2	785	2519	SRV+SY	Combination	-0.000694	0.000228	-0.003823	-7.14136
ZP2	786	2520	SRV+SY	Combination	-0.000692	0.000167	-0.004915	-9.18122
ZP2	786	2520	SRV+SY	Combination	-0.000693	0.000155	-0.004925	-9.1999
ZP2	787	2521	SRV+SY	Combination	-0.000691	0.000091	-0.006043	-11.2883
ZP2	787	2521	SRV+SY	Combination	-0.000692	0.000082	-0.006049	-11.2995
ZP2	788	2522	SRV+SY	Combination	-0.000098	-0.000146	-0.000063	-0.11768
ZP2	788	2522	SRV+SY	Combination	-0.0001	-0.000171	-0.000064	-0.11955
ZP2	789	2523	SRV+SY	Combination	-0.00011	-0.000116	0.000049	0.091532
ZP2	789	2523	SRV+SY	Combination	-0.000112	-0.000139	0.000049	0.091532
ZP2	790	2524	SRV+SY	Combination	-0.000126	-0.000075	0.00014	0.26152
ZP2	790	2524	SRV+SY	Combination	-0.000128	-0.000092	0.000139	0.259652
ZP2	791	2525	SRV+SY	Combination	-0.000142	-0.000034	0.000123	0.229764
ZP2	791	2525	SRV+SY	Combination	-0.000144	-0.000045	0.000123	0.229764
ZP2	792	2526	SRV+SY	Combination	-0.000502	0.000377	-0.00302	-5.64136
ZP2	792	2526	SRV+SY	Combination	-0.000505	0.000356	-0.003023	-5.64696
ZP2	793	2527	SRV+SY	Combination	-0.000502	0.000318	-0.003968	-7.41222
ZP2	793	2527	SRV+SY	Combination	-0.000505	0.0003	-0.003969	-7.41409
ZP2	794	2528	SRV+SY	Combination	-0.000503	0.000218	-0.004999	-9.33813
ZP2	794	2528	SRV+SY	Combination	-0.000506	0.000204	-0.004999	-9.33813
ZP2	795	2529	SRV+SY	Combination	-0.000504	0.000119	-0.005978	-11.1669
ZP2	795	2529	SRV+SY	Combination	-0.000506	0.000109	-0.005978	-11.1669
ZP2	796	2530	SRV+SY	Combination	-0.000537	0.000324	-0.003302	-6.16814
ZP2	796	2530	SRV+SY	Combination	-0.000552	0.000301	-0.003331	-6.22231
ZP2	797	2531	SRV+SY	Combination	-0.000535	0.000262	-0.004028	-7.5243
ZP2	797	2531	SRV+SY	Combination	-0.00055	0.000244	-0.004054	-7.57287
ZP2	798	2532	SRV+SY	Combination	-0.000532	0.000188	-0.004839	-9.03925
ZP2	798	2532	SRV+SY	Combination	-0.000546	0.000175	-0.004863	-9.08408
ZP2	799	2533	SRV+SY	Combination	-0.000529	0.000116	-0.005621	-10.5
ZP2	799	2533	SRV+SY	Combination	-0.000543	0.000108	-0.005642	-10.5393
ZP2	819	2534	SRV+SY	Combination	-0.000169	0.000002	-0.00061	-1.13948
ZP2	819	2534	SRV+SY	Combination	-0.00017	-0.000003	-0.000611	-1.14135
ZP2	828	2535	SRV+SY	Combination	-0.00018	-0.000014	-0.001403	-2.6208
ZP2	828	2535	SRV+SY	Combination	-0.000181	-0.000018	-0.001405	-2.62454
ZP2	829	2536	SRV+SY	Combination	-0.000191	-0.000047	-0.002453	-4.5822
ZP2	829	2536	SRV+SY	Combination	-0.000191	-0.000051	-0.002458	-4.59154
ZP2	830	2537	SRV+SY	Combination	-0.000201	-0.000093	-0.003738	-6.98258
ZP2	830	2537	SRV+SY	Combination	-0.000202	-0.000097	-0.003746	-6.99753
ZP2	831	2539	SRV+SY	Combination	-0.000223	-0.000205	-0.00685	-12.7958
ZP2	831	2539	SRV+SY	Combination	-0.000223	-0.000211	-0.006865	-12.8238
ZP2	832	2540	SRV+SY	Combination	-0.000233	-0.000262	-0.008524	-15.9228
ZP2	832	2540	SRV+SY	Combination	-0.000234	-0.000269	-0.008543	-15.9583
ZP2	833	2541	SRV+SY	Combination	-0.000244	-0.000311	-0.010098	-18.8631
ZP2	833	2541	SRV+SY	Combination	-0.000244	-0.00032	-0.01012	-18.9042
ZP2	834	13	SRV+SY	Combination	-0.000254	-0.000347	-0.011357	-21.2149
ZP2	834	13	SRV+SY	Combination	-0.000255	-0.000356	-0.011381	-21.2597
ZP2	835	2542	SRV+SY	Combination	-0.000522	0.000014	-0.006343	-11.8487
ZP2	835	2542	SRV+SY	Combination	-0.000536	0.000011	-0.006358	-11.8767

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ZP2	836	2543	SRV+SY	Combination	-0.000519	-0.000026	-0.006359	-11.8786
ZP2	836	2543	SRV+SY	Combination	-0.000533	-0.000028	-0.006369	-11.8973
ZP2	837	2544	SRV+SY	Combination	-0.000515	-0.000063	-0.006409	-11.972
ZP2	837	2544	SRV+SY	Combination	-0.00053	-0.000066	-0.006415	-11.9832
ZP2	838	2545	SRV+SY	Combination	-0.000512	-0.0001	-0.006598	-12.3251
ZP2	838	2545	SRV+SY	Combination	-0.000527	-0.000104	-0.0066	-12.3288
ZP2	839	2547	SRV+SY	Combination	-0.000505	-0.000171	-0.00756	-14.1221
ZP2	839	2547	SRV+SY	Combination	-0.00052	-0.000178	-0.007567	-14.1352
ZP2	840	2548	SRV+SY	Combination	-0.000502	-0.000206	-0.008295	-15.4951
ZP2	840	2548	SRV+SY	Combination	-0.000517	-0.000213	-0.008305	-15.5137
ZP2	841	2549	SRV+SY	Combination	-0.000498	-0.000238	-0.009078	-16.9577
ZP2	841	2549	SRV+SY	Combination	-0.000514	-0.000246	-0.009092	-16.9839
ZP2	842	14	SRV+SY	Combination	-0.000495	-0.000266	-0.00974	-18.1943
ZP2	842	14	SRV+SY	Combination	-0.00051	-0.000275	-0.009756	-18.2242
ZP2	843	2550	SRV+SY	Combination	-0.000505	0.00002	-0.006916	-12.9191
ZP2	843	2550	SRV+SY	Combination	-0.000508	0.000015	-0.006917	-12.921
ZP2	844	2551	SRV+SY	Combination	-0.000506	-0.000019	-0.006952	-12.9863
ZP2	844	2551	SRV+SY	Combination	-0.000508	-0.000023	-0.006952	-12.9863
ZP2	845	2552	SRV+SY	Combination	-0.000506	-0.000063	-0.006999	-13.0741
ZP2	845	2552	SRV+SY	Combination	-0.000509	-0.000067	-0.006999	-13.0741
ZP2	846	2553	SRV+SY	Combination	-0.000507	-0.000111	-0.007177	-13.4066
ZP2	846	2553	SRV+SY	Combination	-0.000509	-0.000115	-0.007179	-13.4104
ZP2	847	2555	SRV+SY	Combination	-0.000509	-0.000209	-0.008138	-15.2018
ZP2	847	2555	SRV+SY	Combination	-0.000511	-0.000214	-0.008143	-15.2111
ZP2	848	2556	SRV+SY	Combination	-0.000509	-0.000255	-0.008885	-16.5972
ZP2	848	2556	SRV+SY	Combination	-0.000511	-0.000261	-0.008891	-16.6084
ZP2	849	15	SRV+SY	Combination	-0.00051	-0.000293	-0.009683	-18.0878
ZP2	849	15	SRV+SY	Combination	-0.000512	-0.0003	-0.009691	-18.1028
ZP2	850	16	SRV+SY	Combination	-0.000511	-0.000321	-0.010352	-19.3375
ZP2	850	16	SRV+SY	Combination	-0.000513	-0.000328	-0.010359	-19.3506
ZP2	851	17	SRV+SY	Combination	-0.000647	-0.000401	-0.007476	-13.9652
ZP2	851	17	SRV+SY	Combination	-0.000647	-0.00041	-0.007508	-14.0249
ZP2	852	2557	SRV+SY	Combination	-0.000647	-0.000401	-0.006553	-12.241
ZP2	852	2557	SRV+SY	Combination	-0.000647	-0.000409	-0.006579	-12.2896
ZP2	853	2558	SRV+SY	Combination	-0.000646	-0.000397	-0.005706	-10.6588
ZP2	853	2558	SRV+SY	Combination	-0.000647	-0.000406	-0.005726	-10.6962
ZP2	854	2559	SRV+SY	Combination	-0.000646	-0.000396	-0.005063	-9.45768
ZP2	854	2559	SRV+SY	Combination	-0.000646	-0.000405	-0.005076	-9.48197
ZP2	855	2560	SRV+SY	Combination	-0.000646	-0.000401	-0.004702	-8.78334
ZP2	855	2560	SRV+SY	Combination	-0.000646	-0.000411	-0.004707	-8.79268
ZP2	856	2561	SRV+SY	Combination	-0.000646	-0.000415	-0.004657	-8.69928
ZP2	856	2561	SRV+SY	Combination	-0.000646	-0.000426	-0.004659	-8.70301
ZP2	857	2562	SRV+SY	Combination	-0.000646	-0.000439	-0.004925	-9.1999
ZP2	857	2562	SRV+SY	Combination	-0.000646	-0.00045	-0.004934	-9.21671
ZP2	858	2563	SRV+SY	Combination	-0.000645	-0.000471	-0.005471	-10.2198
ZP2	858	2563	SRV+SY	Combination	-0.000645	-0.000483	-0.005487	-10.2497
ZP2	859	2564	SRV+SY	Combination	-0.000645	-0.000509	-0.006217	-11.6134
ZP2	859	2564	SRV+SY	Combination	-0.000645	-0.000522	-0.00624	-11.6563
ZP2	860	2565	SRV+SY	Combination	-0.000645	-0.000548	-0.007038	-13.147
ZP2	860	2565	SRV+SY	Combination	-0.000645	-0.000561	-0.007067	-13.2012
ZP2	861	2566	SRV+SY	Combination	-0.000645	-0.000581	-0.007752	-14.4807
ZP2	861	2566	SRV+SY	Combination	-0.000645	-0.000593	-0.007786	-14.5442
ZP2	862	18	SRV+SY	Combination	-0.000274	-0.000354	-0.011487	-21.4577
ZP2	862	18	SRV+SY	Combination	-0.000275	-0.000363	-0.011508	-21.4969
ZP2	863	2567	SRV+SY	Combination	-0.000283	-0.000349	-0.010414	-19.4534
ZP2	863	2567	SRV+SY	Combination	-0.000284	-0.000357	-0.010431	-19.4851
ZP2	864	2568	SRV+SY	Combination	-0.000292	-0.00035	-0.009144	-17.081
ZP2	864	2568	SRV+SY	Combination	-0.000293	-0.000359	-0.009154	-17.0997

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ZP2	865	2569	SRV+SY	Combination	-0.000301	-0.000362	-0.007937	-14.8263
ZP2	865	2569	SRV+SY	Combination	-0.000303	-0.000372	-0.007938	-14.8282
ZP2	866	2570	SRV+SY	Combination	-0.00031	-0.000385	-0.006955	-12.9919
ZP2	866	2570	SRV+SY	Combination	-0.000312	-0.000396	-0.006964	-13.0088
ZP2	867	2571	SRV+SY	Combination	-0.000319	-0.000421	-0.006306	-11.7796
ZP2	867	2571	SRV+SY	Combination	-0.000321	-0.000434	-0.006327	-11.8188
ZP2	868	2572	SRV+SY	Combination	-0.000329	-0.000468	-0.006027	-11.2584
ZP2	868	2572	SRV+SY	Combination	-0.00033	-0.000483	-0.006062	-11.3238
ZP2	869	2573	SRV+SY	Combination	-0.000338	-0.000524	-0.006104	-11.4023
ZP2	869	2573	SRV+SY	Combination	-0.00034	-0.00054	-0.006153	-11.4938
ZP2	870	2574	SRV+SY	Combination	-0.000347	-0.000583	-0.006466	-12.0785
ZP2	870	2574	SRV+SY	Combination	-0.000349	-0.0006	-0.00653	-12.198
ZP2	871	2575	SRV+SY	Combination	-0.000356	-0.000639	-0.006991	-13.0592
ZP2	871	2575	SRV+SY	Combination	-0.000358	-0.000657	-0.00707	-13.2068
ZP2	872	2576	SRV+SY	Combination	-0.000365	-0.000684	-0.007501	-14.0119
ZP2	872	2576	SRV+SY	Combination	-0.000367	-0.0007	-0.007591	-14.18
ZP2	873	19	SRV+SY	Combination	-0.000514	-0.000324	-0.010023	-18.723
ZP2	873	19	SRV+SY	Combination	-0.000515	-0.000331	-0.010027	-18.7304
ZP2	874	2577	SRV+SY	Combination	-0.000515	-0.000316	-0.009051	-16.9073
ZP2	874	2577	SRV+SY	Combination	-0.000517	-0.000324	-0.009052	-16.9091
ZP2	875	2578	SRV+SY	Combination	-0.000517	-0.000314	-0.008011	-14.9645
ZP2	875	2578	SRV+SY	Combination	-0.000519	-0.000321	-0.008019	-14.9795
ZP2	876	2579	SRV+SY	Combination	-0.000519	-0.000318	-0.007122	-13.3039
ZP2	876	2579	SRV+SY	Combination	-0.000521	-0.000326	-0.00714	-13.3375
ZP2	877	2580	SRV+SY	Combination	-0.000521	-0.000332	-0.006527	-12.1924
ZP2	877	2580	SRV+SY	Combination	-0.000523	-0.000341	-0.006558	-12.2503
ZP2	878	2581	SRV+SY	Combination	-0.000523	-0.000356	-0.006305	-11.7777
ZP2	878	2581	SRV+SY	Combination	-0.000525	-0.000366	-0.006353	-11.8674
ZP2	879	2582	SRV+SY	Combination	-0.000525	-0.000388	-0.006478	-12.1009
ZP2	879	2582	SRV+SY	Combination	-0.000527	-0.000399	-0.006546	-12.2279
ZP2	880	2583	SRV+SY	Combination	-0.000527	-0.000426	-0.007011	-13.0965
ZP2	880	2583	SRV+SY	Combination	-0.000529	-0.000438	-0.007102	-13.2665
ZP2	881	2584	SRV+SY	Combination	-0.000529	-0.000467	-0.007815	-14.5984
ZP2	881	2584	SRV+SY	Combination	-0.000531	-0.00048	-0.007931	-14.8151
ZP2	882	2585	SRV+SY	Combination	-0.000531	-0.000505	-0.008735	-16.317
ZP2	882	2585	SRV+SY	Combination	-0.000533	-0.000518	-0.008875	-16.5785
ZP2	883	2586	SRV+SY	Combination	-0.000533	-0.000532	-0.009548	-17.8357
ZP2	883	2586	SRV+SY	Combination	-0.000535	-0.000544	-0.009707	-18.1327
ZP2	884	20	SRV+SY	Combination	-0.00049	-0.000299	-0.009478	-17.7049
ZP2	884	20	SRV+SY	Combination	-0.000505	-0.000305	-0.009494	-17.7348
ZP2	885	2587	SRV+SY	Combination	-0.000487	-0.000307	-0.008513	-15.9023
ZP2	885	2587	SRV+SY	Combination	-0.000503	-0.000313	-0.008524	-15.9228
ZP2	886	2588	SRV+SY	Combination	-0.000485	-0.000315	-0.007416	-13.8531
ZP2	886	2588	SRV+SY	Combination	-0.000501	-0.000322	-0.00742	-13.8606
ZP2	887	2589	SRV+SY	Combination	-0.000483	-0.000328	-0.006378	-11.9141
ZP2	887	2589	SRV+SY	Combination	-0.000499	-0.000336	-0.006384	-11.9253
ZP2	888	2590	SRV+SY	Combination	-0.000481	-0.000348	-0.005526	-10.3226
ZP2	888	2590	SRV+SY	Combination	-0.000496	-0.000357	-0.005544	-10.3562
ZP2	889	2591	SRV+SY	Combination	-0.000479	-0.000374	-0.004937	-9.22232
ZP2	889	2591	SRV+SY	Combination	-0.000494	-0.000386	-0.00497	-9.28396
ZP2	890	2592	SRV+SY	Combination	-0.000476	-0.000406	-0.004635	-8.65818
ZP2	890	2592	SRV+SY	Combination	-0.000492	-0.00042	-0.004686	-8.75345
ZP2	891	2593	SRV+SY	Combination	-0.000474	-0.000443	-0.004606	-8.60401
ZP2	891	2593	SRV+SY	Combination	-0.00049	-0.000459	-0.004677	-8.73664
ZP2	892	2594	SRV+SY	Combination	-0.000472	-0.000479	-0.004798	-8.96266
ZP2	892	2594	SRV+SY	Combination	-0.000488	-0.000496	-0.004889	-9.13265
ZP2	893	2595	SRV+SY	Combination	-0.00047	-0.00051	-0.00512	-9.56416
ZP2	893	2595	SRV+SY	Combination	-0.000486	-0.000526	-0.005232	-9.77338

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ZP2	894	2596	SRV+SY	Combination	-0.000468	-0.000527	-0.005446	-10.1731
ZP2	894	2596	SRV+SY	Combination	-0.000484	-0.000541	-0.005573	-10.4104
ZP2	895	2597	SRV+SY	Combination	-0.000625	0.000026	-0.006359	-11.8786
ZP2	895	2597	SRV+SY	Combination	-0.000626	0.000019	-0.006364	-11.888
ZP2	896	2598	SRV+SY	Combination	-0.000537	0.000022	-0.005382	-10.0536
ZP2	896	2598	SRV+SY	Combination	-0.000538	0.000015	-0.005387	-10.0629
ZP2	897	2599	SRV+SY	Combination	-0.00044	0.000018	-0.004268	-7.97262
ZP2	897	2599	SRV+SY	Combination	-0.000442	0.000011	-0.004273	-7.98196
ZP2	898	2600	SRV+SY	Combination	-0.000344	0.000014	-0.00314	-5.86552
ZP2	898	2600	SRV+SY	Combination	-0.000347	0.000007	-0.003145	-5.87486
ZP2	899	2601	SRV+SY	Combination	-0.00026	0.00001	-0.00209	-3.90412
ZP2	899	2601	SRV+SY	Combination	-0.000263	0.000003	-0.002094	-3.91159
ZP2	900	2602	SRV+SY	Combination	-0.000196	0.000006	-0.00119	-2.22292
ZP2	900	2602	SRV+SY	Combination	-0.0002	-0.000001	-0.001194	-2.23039
ZP2	901	2603	SRV+SY	Combination	-0.00016	0.000002	-0.000504	-0.94147
ZP2	901	2603	SRV+SY	Combination	-0.000163	-0.000005	-0.000506	-0.94521
ZP2	902	21	SRV+SY	Combination	-0.000607	-0.000388	-0.008143	-15.2111
ZP2	902	21	SRV+SY	Combination	-0.000607	-0.000396	-0.008174	-15.269
ZP2	903	2604	SRV+SY	Combination	-0.000547	-0.000384	-0.008182	-15.284
ZP2	903	2604	SRV+SY	Combination	-0.000548	-0.000393	-0.008206	-15.3288
ZP2	904	2605	SRV+SY	Combination	-0.000478	-0.000381	-0.008491	-15.8612
ZP2	904	2605	SRV+SY	Combination	-0.000479	-0.000389	-0.008505	-15.8873
ZP2	905	2607	SRV+SY	Combination	-0.00035	-0.000373	-0.009903	-18.4988
ZP2	905	2607	SRV+SY	Combination	-0.000351	-0.000381	-0.009909	-18.51
ZP2	906	22	SRV+SY	Combination	-0.000303	-0.000369	-0.010818	-20.208
ZP2	906	22	SRV+SY	Combination	-0.000303	-0.000378	-0.010832	-20.2342
ZP2	907	23	SRV+SY	Combination	-0.000273	-0.000365	-0.01162	-21.7062
ZP2	907	23	SRV+SY	Combination	-0.000274	-0.000374	-0.011642	-21.7473
ZP2	908	2608	SRV+SY	Combination	-0.000623	-0.000612	-0.007762	-14.4994
ZP2	908	2608	SRV+SY	Combination	-0.000624	-0.000623	-0.007785	-14.5424
ZP2	909	2609	SRV+SY	Combination	-0.000581	-0.000625	-0.00738	-13.7858
ZP2	909	2609	SRV+SY	Combination	-0.000582	-0.000637	-0.007391	-13.8064
ZP2	910	2610	SRV+SY	Combination	-0.000531	-0.000638	-0.007104	-13.2703
ZP2	910	2610	SRV+SY	Combination	-0.000531	-0.00065	-0.007105	-13.2721
ZP2	911	2611	SRV+SY	Combination	-0.000479	-0.000651	-0.006993	-13.0629
ZP2	911	2611	SRV+SY	Combination	-0.00048	-0.000663	-0.007008	-13.0909
ZP2	912	2612	SRV+SY	Combination	-0.000433	-0.000664	-0.007074	-13.2142
ZP2	912	2612	SRV+SY	Combination	-0.000434	-0.000677	-0.007104	-13.2703
ZP2	913	2613	SRV+SY	Combination	-0.000398	-0.000678	-0.007303	-13.642
ZP2	913	2613	SRV+SY	Combination	-0.0004	-0.00069	-0.007352	-13.7335
ZP2	914	2614	SRV+SY	Combination	-0.000379	-0.000691	-0.007582	-14.1632
ZP2	914	2614	SRV+SY	Combination	-0.000379	-0.000703	-0.007653	-14.2958
ZP2	915	24	SRV+SY	Combination	-0.000545	-0.000546	-0.009811	-18.3269
ZP2	915	24	SRV+SY	Combination	-0.000548	-0.000557	-0.009977	-18.637
ZP2	916	2615	SRV+SY	Combination	-0.000557	-0.000555	-0.009394	-17.548
ZP2	916	2615	SRV+SY	Combination	-0.00056	-0.000566	-0.009544	-17.8282
ZP2	917	2616	SRV+SY	Combination	-0.000572	-0.000564	-0.008928	-16.6775
ZP2	917	2616	SRV+SY	Combination	-0.000574	-0.000575	-0.009055	-16.9147
ZP2	918	2617	SRV+SY	Combination	-0.000592	-0.000573	-0.008554	-15.9789
ZP2	918	2617	SRV+SY	Combination	-0.000593	-0.000584	-0.008655	-16.1675
ZP2	919	2618	SRV+SY	Combination	-0.000614	-0.000581	-0.008326	-15.553
ZP2	919	2618	SRV+SY	Combination	-0.000615	-0.000592	-0.008401	-15.6931
ZP2	920	2619	SRV+SY	Combination	-0.000634	-0.00059	-0.008217	-15.3494
ZP2	920	2619	SRV+SY	Combination	-0.000634	-0.000601	-0.00827	-15.4484
ZP2	921	2620	SRV+SY	Combination	-0.000496	0.000049	-0.006687	-12.4913
ZP2	921	2620	SRV+SY	Combination	-0.0005	0.000042	-0.006689	-12.4951
ZP2	922	2621	SRV+SY	Combination	-0.000519	0.000045	-0.006656	-12.4334
ZP2	922	2621	SRV+SY	Combination	-0.000522	0.000039	-0.006657	-12.4353

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ZP2	923	2622	SRV+SY	Combination	-0.000563	0.000042	-0.006704	-12.5231
ZP2	923	2622	SRV+SY	Combination	-0.000566	0.000036	-0.006704	-12.5231
ZP2	924	2623	SRV+SY	Combination	-0.000618	0.000039	-0.006844	-12.7846
ZP2	924	2623	SRV+SY	Combination	-0.000619	0.000033	-0.006845	-12.7865
ZP2	925	2624	SRV+SY	Combination	-0.000669	0.000036	-0.00703	-13.132
ZP2	925	2624	SRV+SY	Combination	-0.000669	0.000029	-0.007032	-13.1358
ZP2	926	2625	SRV+SY	Combination	-0.000699	0.000033	-0.007153	-13.3618
ZP2	926	2625	SRV+SY	Combination	-0.0007	0.000026	-0.007156	-13.3674
ZP2	927	25	SRV+SY	Combination	-0.000519	-0.00034	-0.010182	-19.02
ZP2	927	25	SRV+SY	Combination	-0.000521	-0.000347	-0.010191	-19.0368
ZP2	928	26	SRV+SY	Combination	-0.000537	-0.000348	-0.009561	-17.8599
ZP2	928	26	SRV+SY	Combination	-0.000539	-0.000356	-0.009574	-17.8842
ZP2	929	27	SRV+SY	Combination	-0.000564	-0.000357	-0.008983	-16.7802
ZP2	929	27	SRV+SY	Combination	-0.000566	-0.000365	-0.009002	-16.8157
ZP2	930	28	SRV+SY	Combination	-0.000596	-0.000366	-0.008571	-16.0106
ZP2	930	28	SRV+SY	Combination	-0.000597	-0.000374	-0.008596	-16.0573
ZP2	931	29	SRV+SY	Combination	-0.000627	-0.000375	-0.008362	-15.6202
ZP2	931	29	SRV+SY	Combination	-0.000627	-0.000382	-0.008392	-15.6763
ZP2	932	30	SRV+SY	Combination	-0.000648	-0.000383	-0.00831	-15.5231
ZP2	932	30	SRV+SY	Combination	-0.000648	-0.000391	-0.008345	-15.5885
ZP2	933	2626	SRV+SY	Combination	-0.000486	-0.000523	-0.005808	-10.8493
ZP2	933	2626	SRV+SY	Combination	-0.000497	-0.000532	-0.005922	-11.0623
ZP2	934	2627	SRV+SY	Combination	-0.000494	-0.000525	-0.006211	-11.6021
ZP2	934	2627	SRV+SY	Combination	-0.000501	-0.000535	-0.006284	-11.7385
ZP2	935	2628	SRV+SY	Combination	-0.000497	-0.000528	-0.006841	-12.779
ZP2	935	2628	SRV+SY	Combination	-0.000502	-0.000538	-0.00686	-12.8145
ZP2	936	2629	SRV+SY	Combination	-0.000501	-0.00053	-0.007634	-14.2603
ZP2	936	2629	SRV+SY	Combination	-0.000504	-0.00054	-0.007674	-14.335
ZP2	937	2630	SRV+SY	Combination	-0.000508	-0.000533	-0.008522	-15.9191
ZP2	937	2630	SRV+SY	Combination	-0.00051	-0.000543	-0.008618	-16.0984
ZP2	938	2631	SRV+SY	Combination	-0.000521	-0.000535	-0.009372	-17.5069
ZP2	938	2631	SRV+SY	Combination	-0.000521	-0.000546	-0.009514	-17.7722
ZP2	939	2632	SRV+SY	Combination	-0.000492	0.000055	-0.00626	-11.6937
ZP2	939	2632	SRV+SY	Combination	-0.000504	0.00005	-0.006277	-11.7254
ZP2	940	2633	SRV+SY	Combination	-0.000477	0.000055	-0.006197	-11.576
ZP2	940	2633	SRV+SY	Combination	-0.000486	0.00005	-0.006211	-11.6021
ZP2	941	2634	SRV+SY	Combination	-0.000479	0.000054	-0.006149	-11.4863
ZP2	941	2634	SRV+SY	Combination	-0.000485	0.000049	-0.006159	-11.505
ZP2	942	2635	SRV+SY	Combination	-0.00049	0.000053	-0.006189	-11.5611
ZP2	942	2635	SRV+SY	Combination	-0.000494	0.000048	-0.006196	-11.5741
ZP2	943	2636	SRV+SY	Combination	-0.000506	0.000053	-0.006334	-11.8319
ZP2	943	2636	SRV+SY	Combination	-0.000507	0.000047	-0.006337	-11.8375
ZP2	944	2637	SRV+SY	Combination	-0.000514	0.000052	-0.006544	-12.2242
ZP2	944	2637	SRV+SY	Combination	-0.000515	0.000046	-0.006544	-12.2242
ZP2	945	31	SRV+SY	Combination	-0.000477	-0.000294	-0.010155	-18.9695
ZP2	945	31	SRV+SY	Combination	-0.000489	-0.000302	-0.010167	-18.992
ZP2	946	32	SRV+SY	Combination	-0.000468	-0.000301	-0.010078	-18.8257
ZP2	946	32	SRV+SY	Combination	-0.000477	-0.000308	-0.010085	-18.8388
ZP2	947	33	SRV+SY	Combination	-0.000467	-0.000307	-0.010014	-18.7062
ZP2	947	33	SRV+SY	Combination	-0.000473	-0.000314	-0.010018	-18.7136
ZP2	948	34	SRV+SY	Combination	-0.000474	-0.000313	-0.010075	-18.8201
ZP2	948	34	SRV+SY	Combination	-0.000477	-0.00032	-0.010076	-18.822
ZP2	949	35	SRV+SY	Combination	-0.000487	-0.000319	-0.010272	-19.1881
ZP2	949	35	SRV+SY	Combination	-0.000488	-0.000326	-0.010274	-19.1918
ZP2	950	36	SRV+SY	Combination	-0.000501	-0.000325	-0.010519	-19.6495
ZP2	950	36	SRV+SY	Combination	-0.000502	-0.000332	-0.010523	-19.657
ZP2	951	2638	SRV+SY	Combination	-0.000686	-0.00001	-0.007695	-14.3743
ZP2	951	2638	SRV+SY	Combination	-0.000687	-0.000016	-0.007702	-14.3873

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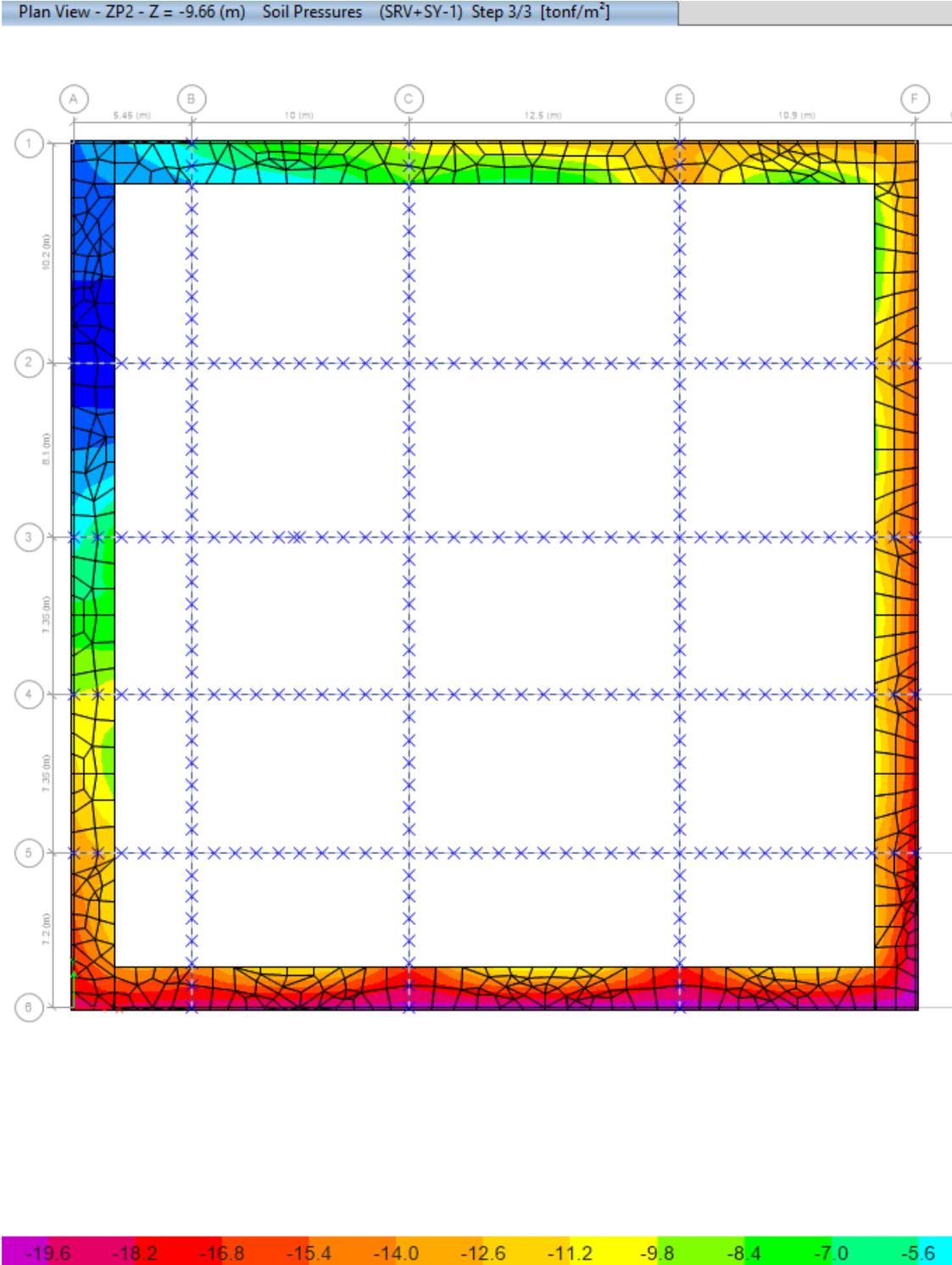ADMINISTRATIVO Y POSGRADO DE LA UNACH CAMPUS DOLOROSA, AÑO 2023."

ZP2	952	2639	SRV+SY	Combination	-0.000682	-0.000049	-0.008324	-15.5492
ZP2	952	2639	SRV+SY	Combination	-0.000682	-0.000054	-0.008334	-15.5679
ZP2	953	2640	SRV+SY	Combination	-0.000677	-0.000087	-0.008926	-16.6738
ZP2	953	2640	SRV+SY	Combination	-0.000678	-0.000093	-0.008943	-16.7055
ZP2	954	37	SRV+SY	Combination	-0.000673	-0.000128	-0.009442	-17.6377
ZP2	954	37	SRV+SY	Combination	-0.000673	-0.000133	-0.009465	-17.6806
ZP2	955	38	SRV+SY	Combination	-0.000668	-0.000173	-0.009698	-18.1159
ZP2	955	38	SRV+SY	Combination	-0.000669	-0.000178	-0.009726	-18.1682
ZP2	956	39	SRV+SY	Combination	-0.000664	-0.000221	-0.009583	-17.901
ZP2	956	39	SRV+SY	Combination	-0.000665	-0.000227	-0.009614	-17.959
ZP2	957	40	SRV+SY	Combination	-0.00066	-0.000271	-0.009336	-17.4396
ZP2	957	40	SRV+SY	Combination	-0.00066	-0.000277	-0.00937	-17.5032
ZP2	958	41	SRV+SY	Combination	-0.000655	-0.000319	-0.009043	-16.8923
ZP2	958	41	SRV+SY	Combination	-0.000656	-0.000326	-0.009079	-16.9596
ZP2	959	42	SRV+SY	Combination	-0.000651	-0.000361	-0.008715	-16.2796
ZP2	959	42	SRV+SY	Combination	-0.000652	-0.000369	-0.008751	-16.3469

Los esfuerzos transmitidos al suelo son menores que la capacidad máxima estática del suelo 26 ton/m^2

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7.5. COMBINACIÓN D+L+SX (SRV+SY):

Zapata

Esfuerzo máximo 19.6 ton/m² menor a capacidad máxima de 20 ton/m²

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Vigas bidireccionales

TABLE: Joint Displacements								
Story	Label	Unique Name	Output Case	Case Type	Ux	Uy	Uz	Qa
					m	m	m	ton/m2
ZP2	2	2	SRV+SY-1	Combination	-0.001334	0.000263	-0.003124	-5.83563
ZP2	2	2	SRV+SY-1	Combination	-0.001366	0.000258	-0.003196	-5.97013
ZP2	4	2419	SRV+SY-1	Combination	-0.000088	0.000042	-0.000097	-0.1812
ZP2	4	2419	SRV+SY-1	Combination	-0.00009	0.000017	-0.000097	-0.1812
ZP2	5	2431	SRV+SY-1	Combination	-0.000128	0.000328	-0.000095	-0.17746
ZP2	5	2431	SRV+SY-1	Combination	-0.000129	0.000322	-0.000095	-0.17746
ZP2	6	2425	SRV+SY-1	Combination	-0.000592	0.000643	-0.0027	-5.0436
ZP2	6	2425	SRV+SY-1	Combination	-0.000593	0.000624	-0.002733	-5.10524
ZP2	7	2433	SRV+SY-1	Combination	-0.000604	0.0004	-0.007627	-14.2472
ZP2	7	2433	SRV+SY-1	Combination	-0.000605	0.000393	-0.007631	-14.2547
ZP2	8	2424	SRV+SY-1	Combination	-0.000363	0.000779	-0.005243	-9.79392
ZP2	8	2424	SRV+SY-1	Combination	-0.000366	0.000755	-0.005248	-9.80326
ZP2	9	2430	SRV+SY-1	Combination	-0.000367	0.000476	-0.007201	-13.4515
ZP2	9	2430	SRV+SY-1	Combination	-0.000369	0.00047	-0.007202	-13.4533
ZP2	10	2418	SRV+SY-1	Combination	-0.000056	0.000879	-0.007246	-13.5355
ZP2	10	2418	SRV+SY-1	Combination	-0.00007	0.000852	-0.007279	-13.5972
ZP2	11	2429	SRV+SY-1	Combination	-0.000079	0.000543	-0.006883	-12.8574
ZP2	11	2429	SRV+SY-1	Combination	-0.000094	0.000538	-0.006902	-12.8929
ZP2	12	2426	SRV+SY-1	Combination	-0.000205	0.00059	-0.010142	-18.9453
ZP2	12	2426	SRV+SY-1	Combination	-0.000233	0.000587	-0.010143	-18.9471
ZP2	13	2427	SRV+SY-1	Combination	-0.00006	0.000531	-0.010578	-19.7597
ZP2	13	2427	SRV+SY-1	Combination	-0.000101	0.000524	-0.010727	-20.038
ZP2	14	4	SRV+SY-1	Combination	-0.000119	0.000486	-0.009976	-18.6352
ZP2	14	4	SRV+SY-1	Combination	-0.000134	0.000478	-0.009994	-18.6688
ZP2	20	5	SRV+SY-1	Combination	-0.000384	0.000461	-0.011285	-21.0804
ZP2	20	5	SRV+SY-1	Combination	-0.000386	0.000454	-0.011291	-21.0916
ZP2	23	6	SRV+SY-1	Combination	-0.00057	0.000461	-0.012193	-22.7765
ZP2	23	6	SRV+SY-1	Combination	-0.000571	0.000453	-0.012229	-22.8438
ZP2	28	8	SRV+SY-1	Combination	-0.000198	0.000507	-0.00734	-13.7111
ZP2	28	8	SRV+SY-1	Combination	-0.000199	0.000498	-0.007365	-13.7578
ZP2	35	1	SRV+SY-1	Combination	-0.000849	0.000423	-0.005454	-10.1881
ZP2	35	1	SRV+SY-1	Combination	-0.000891	0.000413	-0.005531	-10.3319
ZP2	41	2441	SRV+SY-1	Combination	-0.000618	0.000293	-0.000706	-1.31881
ZP2	41	2441	SRV+SY-1	Combination	-0.00063	0.000288	-0.000724	-1.35243
ZP2	46	2449	SRV+SY-1	Combination	-0.000533	0.000463	-0.004246	-7.93153
ZP2	46	2449	SRV+SY-1	Combination	-0.000557	0.000454	-0.004252	-7.94274
ZP2	257	2538	SRV+SY-1	Combination	-0.000163	0.000408	-0.003301	-6.16627
ZP2	257	2538	SRV+SY-1	Combination	-0.000163	0.000403	-0.003312	-6.18682
ZP2	259	2546	SRV+SY-1	Combination	-0.000099	0.000423	-0.006823	-12.7454
ZP2	259	2546	SRV+SY-1	Combination	-0.000114	0.000418	-0.006826	-12.751
ZP2	260	2554	SRV+SY-1	Combination	-0.000375	0.000383	-0.007787	-14.5461
ZP2	260	2554	SRV+SY-1	Combination	-0.000378	0.000378	-0.00779	-14.5517
ZP2	265	3	SRV+SY-1	Combination	-0.000417	0.000481	-0.006749	-12.6071
ZP2	265	3	SRV+SY-1	Combination	-0.000498	0.000464	-0.006792	-12.6875
ZP2	267	9	SRV+SY-1	Combination	-0.000264	0.000477	-0.009548	-17.8357
ZP2	267	9	SRV+SY-1	Combination	-0.000267	0.000464	-0.009644	-18.015
ZP2	268	2423	SRV+SY-1	Combination	-0.000327	-0.000273	-0.008137	-15.1999
ZP2	268	2423	SRV+SY-1	Combination	-0.000329	-0.00038	-0.008143	-15.2111
ZP2	269	2434	SRV+SY-1	Combination	-0.00056	0.0005	-0.007257	-13.5561
ZP2	269	2434	SRV+SY-1	Combination	-0.00056	0.000489	-0.007293	-13.6233
ZP2	270	2422	SRV+SY-1	Combination	-0.00059	-0.000291	-0.008482	-15.8444
ZP2	270	2422	SRV+SY-1	Combination	-0.000591	-0.0004	-0.008492	-15.8631
ZP2	271	7	SRV+SY-1	Combination	-0.000421	0.000552	-0.005731	-10.7055

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ZP2	271	7	SRV+SY-1	Combination	-0.000423	0.000541	-0.005899	-11.0193
ZP2	272	2421	SRV+SY-1	Combination	-0.000472	-0.000158	-0.008768	-16.3786
ZP2	272	2421	SRV+SY-1	Combination	-0.000474	-0.00027	-0.008788	-16.416
ZP2	273	2432	SRV+SY-1	Combination	-0.000161	0.000534	-0.009618	-17.9664
ZP2	273	2432	SRV+SY-1	Combination	-0.000177	0.000525	-0.009753	-18.2186
ZP2	274	2420	SRV+SY-1	Combination	-0.00021	0.000069	-0.009479	-17.7068
ZP2	274	2420	SRV+SY-1	Combination	-0.000226	-0.000045	-0.009516	-17.7759
ZP2	275	2428	SRV+SY-1	Combination	0.000065	0.000569	-0.010768	-20.1146
ZP2	275	2428	SRV+SY-1	Combination	-0.000019	0.000563	-0.010882	-20.3276
ZP2	742	2435	SRV+SY-1	Combination	-0.000593	0.000356	-0.010911	-20.3817
ZP2	742	2435	SRV+SY-1	Combination	-0.000594	0.000351	-0.010938	-20.4322
ZP2	776	2606	SRV+SY-1	Combination	-0.000353	0.000484	-0.008749	-16.3431
ZP2	776	2606	SRV+SY-1	Combination	-0.000354	0.000476	-0.008753	-16.3506
ZP2	17	2436	SRV+SY-1	Combination	-0.000319	0.000483	-0.009581	-17.8973
ZP2	17	2436	SRV+SY-1	Combination	-0.00036	0.000468	-0.009827	-18.3568
ZP2	403	2437	SRV+SY-1	Combination	-0.000177	0.000321	0.00009	0.16812
ZP2	403	2437	SRV+SY-1	Combination	-0.000178	0.000315	0.000087	0.162516
ZP2	404	2438	SRV+SY-1	Combination	-0.000252	0.000314	0.000077	0.143836
ZP2	404	2438	SRV+SY-1	Combination	-0.000255	0.000308	0.000072	0.134496
ZP2	405	2439	SRV+SY-1	Combination	-0.000352	0.000307	-0.000082	-0.15318
ZP2	405	2439	SRV+SY-1	Combination	-0.000358	0.000301	-0.00009	-0.16812
ZP2	406	2440	SRV+SY-1	Combination	-0.000476	0.0003	-0.000352	-0.65754
ZP2	406	2440	SRV+SY-1	Combination	-0.000485	0.000295	-0.000364	-0.67995
ZP2	407	2442	SRV+SY-1	Combination	-0.000774	0.000286	-0.001126	-2.10337
ZP2	407	2442	SRV+SY-1	Combination	-0.00079	0.000281	-0.001151	-2.15007
ZP2	408	2443	SRV+SY-1	Combination	-0.000936	0.000279	-0.001595	-2.97946
ZP2	408	2443	SRV+SY-1	Combination	-0.000955	0.000274	-0.00163	-3.04484
ZP2	409	2444	SRV+SY-1	Combination	-0.001091	0.000272	-0.002101	-3.92467
ZP2	409	2444	SRV+SY-1	Combination	-0.001114	0.000267	-0.002147	-4.0106
ZP2	410	2445	SRV+SY-1	Combination	-0.001221	0.000267	-0.002624	-4.90163
ZP2	410	2445	SRV+SY-1	Combination	-0.001248	0.000262	-0.002682	-5.00998
ZP2	411	10	SRV+SY-1	Combination	-0.000219	0.000499	-0.0068	-12.7024
ZP2	411	10	SRV+SY-1	Combination	-0.000222	0.000489	-0.006823	-12.7454
ZP2	412	2446	SRV+SY-1	Combination	-0.000268	0.00049	-0.006071	-11.3406
ZP2	412	2446	SRV+SY-1	Combination	-0.000275	0.000481	-0.00609	-11.3761
ZP2	413	2447	SRV+SY-1	Combination	-0.00034	0.000481	-0.005327	-9.95084
ZP2	413	2447	SRV+SY-1	Combination	-0.000352	0.000472	-0.00534	-9.97512
ZP2	414	2448	SRV+SY-1	Combination	-0.000431	0.000472	-0.004693	-8.76652
ZP2	414	2448	SRV+SY-1	Combination	-0.000449	0.000463	-0.004698	-8.77586
ZP2	415	2450	SRV+SY-1	Combination	-0.000637	0.000455	-0.004034	-7.53551
ZP2	415	2450	SRV+SY-1	Combination	-0.000667	0.000445	-0.004052	-7.56914
ZP2	416	2451	SRV+SY-1	Combination	-0.000733	0.000446	-0.004078	-7.6177
ZP2	416	2451	SRV+SY-1	Combination	-0.000769	0.000436	-0.00411	-7.67748
ZP2	418	2452	SRV+SY-1	Combination	-0.000809	0.000437	-0.004369	-8.16129
ZP2	418	2452	SRV+SY-1	Combination	-0.00085	0.000427	-0.004416	-8.24909
ZP2	442	2453	SRV+SY-1	Combination	-0.000841	0.000429	-0.004866	-9.08969
ZP2	442	2453	SRV+SY-1	Combination	-0.000883	0.000419	-0.004928	-9.2055
ZP2	445	2454	SRV+SY-1	Combination	-0.000355	0.000482	-0.008921	-16.6644
ZP2	445	2454	SRV+SY-1	Combination	-0.000406	0.000466	-0.009144	-17.081
ZP2	446	2455	SRV+SY-1	Combination	-0.00039	0.00048	-0.008142	-15.2093
ZP2	446	2455	SRV+SY-1	Combination	-0.00045	0.000464	-0.008324	-15.5492
ZP2	447	2456	SRV+SY-1	Combination	-0.000417	0.000479	-0.007448	-13.9129
ZP2	447	2456	SRV+SY-1	Combination	-0.000485	0.000462	-0.007581	-14.1613
ZP2	448	2457	SRV+SY-1	Combination	-0.000425	0.000479	-0.006989	-13.0555
ZP2	448	2457	SRV+SY-1	Combination	-0.0005	0.000463	-0.007074	-13.2142
ZP2	469	11	SRV+SY-1	Combination	-0.000247	0.000478	-0.009716	-18.1495
ZP2	469	11	SRV+SY-1	Combination	-0.000254	0.000464	-0.009845	-18.3905
ZP2	470	2458	SRV+SY-1	Combination	-0.000245	0.000479	-0.009778	-18.2653

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ZP2	470	2458	SRV+SY-1	Combination	-0.00026	0.000465	-0.009945	-18.5773
ZP2	471	2459	SRV+SY-1	Combination	-0.000258	0.00048	-0.009809	-18.3232
ZP2	471	2459	SRV+SY-1	Combination	-0.000281	0.000466	-0.010015	-18.708
ZP2	472	2460	SRV+SY-1	Combination	-0.000284	0.000482	-0.009786	-18.2802
ZP2	472	2460	SRV+SY-1	Combination	-0.000316	0.000467	-0.010021	-18.7192
ZP2	473	2461	SRV+SY-1	Combination	0.000078	0.000565	-0.009761	-18.2335
ZP2	473	2461	SRV+SY-1	Combination	4.203E-07	0.000559	-0.009833	-18.368
ZP2	474	2462	SRV+SY-1	Combination	0.000071	0.000561	-0.009038	-16.883
ZP2	474	2462	SRV+SY-1	Combination	0.000003	0.000555	-0.009064	-16.9316
ZP2	475	2463	SRV+SY-1	Combination	0.000035	0.000556	-0.008721	-16.2908
ZP2	475	2463	SRV+SY-1	Combination	-0.000023	0.000549	-0.008741	-16.3282
ZP2	476	2464	SRV+SY-1	Combination	-0.000017	0.00055	-0.00877	-16.3824
ZP2	476	2464	SRV+SY-1	Combination	-0.000063	0.000543	-0.008833	-16.5
ZP2	477	2465	SRV+SY-1	Combination	-0.000074	0.000545	-0.009085	-16.9708
ZP2	477	2465	SRV+SY-1	Combination	-0.000108	0.000537	-0.009185	-17.1576
ZP2	478	2466	SRV+SY-1	Combination	-0.000125	0.00054	-0.009463	-17.6769
ZP2	478	2466	SRV+SY-1	Combination	-0.000149	0.000531	-0.009588	-17.9104
ZP2	479	2467	SRV+SY-1	Combination	-0.000173	0.000586	-0.008875	-16.5785
ZP2	479	2467	SRV+SY-1	Combination	-0.000199	0.000583	-0.008879	-16.586
ZP2	507	2468	SRV+SY-1	Combination	-0.000146	0.00058	-0.007805	-14.5797
ZP2	507	2468	SRV+SY-1	Combination	-0.000169	0.000577	-0.007811	-14.5909
ZP2	508	2469	SRV+SY-1	Combination	-0.00013	0.000573	-0.007083	-13.231
ZP2	508	2469	SRV+SY-1	Combination	-0.000151	0.000569	-0.007093	-13.2497
ZP2	603	2470	SRV+SY-1	Combination	-0.000119	0.000565	-0.006718	-12.5492
ZP2	603	2470	SRV+SY-1	Combination	-0.000139	0.000561	-0.006731	-12.5735
ZP2	605	2471	SRV+SY-1	Combination	-0.00011	0.000558	-0.006649	-12.4203
ZP2	605	2471	SRV+SY-1	Combination	-0.000128	0.000554	-0.006665	-12.4502
ZP2	607	2472	SRV+SY-1	Combination	-0.000099	0.00055	-0.006762	-12.6314
ZP2	607	2472	SRV+SY-1	Combination	-0.000115	0.000546	-0.006779	-12.6632
ZP2	613	2473	SRV+SY-1	Combination	-0.00008	0.000526	-0.009523	-17.789
ZP2	613	2473	SRV+SY-1	Combination	-0.00012	0.000519	-0.009644	-18.015
ZP2	614	2474	SRV+SY-1	Combination	-0.000095	0.000521	-0.008747	-16.3394
ZP2	614	2474	SRV+SY-1	Combination	-0.000132	0.000513	-0.008842	-16.5169
ZP2	615	2475	SRV+SY-1	Combination	-0.000102	0.000514	-0.008411	-15.7117
ZP2	615	2475	SRV+SY-1	Combination	-0.000135	0.000506	-0.008481	-15.8425
ZP2	616	2476	SRV+SY-1	Combination	-0.000106	0.000507	-0.008503	-15.8836
ZP2	616	2476	SRV+SY-1	Combination	-0.000134	0.000499	-0.008553	-15.977
ZP2	617	2477	SRV+SY-1	Combination	-0.000109	0.0005	-0.008924	-16.67
ZP2	617	2477	SRV+SY-1	Combination	-0.000132	0.000492	-0.008959	-16.7354
ZP2	618	12	SRV+SY-1	Combination	-0.000113	0.000493	-0.009499	-17.7441
ZP2	618	12	SRV+SY-1	Combination	-0.000131	0.000485	-0.009524	-17.7908
ZP2	619	2478	SRV+SY-1	Combination	-0.000563	0.000458	-0.006896	-12.8817
ZP2	619	2478	SRV+SY-1	Combination	-0.000563	0.000451	-0.006931	-12.9471
ZP2	620	2479	SRV+SY-1	Combination	-0.000566	0.000387	-0.006271	-11.7142
ZP2	620	2479	SRV+SY-1	Combination	-0.000566	0.000386	-0.006301	-11.7703
ZP2	621	2480	SRV+SY-1	Combination	-0.000568	0.000306	-0.005577	-10.4178
ZP2	621	2480	SRV+SY-1	Combination	-0.000569	0.000293	-0.005603	-10.4664
ZP2	622	2481	SRV+SY-1	Combination	-0.000571	0.000214	-0.004966	-9.27649
ZP2	622	2481	SRV+SY-1	Combination	-0.000572	0.000188	-0.004988	-9.31758
ZP2	634	2482	SRV+SY-1	Combination	-0.000574	0.000118	-0.004553	-8.505
ZP2	634	2482	SRV+SY-1	Combination	-0.000575	0.000076	-0.00457	-8.53676
ZP2	635	2483	SRV+SY-1	Combination	-0.000577	0.000021	-0.004415	-8.24722
ZP2	635	2483	SRV+SY-1	Combination	-0.000577	-0.000036	-0.004429	-8.27337
ZP2	636	2484	SRV+SY-1	Combination	-0.00058	-0.00007	-0.004604	-8.60027
ZP2	636	2484	SRV+SY-1	Combination	-0.00058	-0.000143	-0.004616	-8.62269
ZP2	658	2485	SRV+SY-1	Combination	-0.000583	-0.000151	-0.005141	-9.60339
ZP2	658	2485	SRV+SY-1	Combination	-0.000583	-0.000239	-0.005151	-9.62207
ZP2	659	2486	SRV+SY-1	Combination	-0.000586	-0.000218	-0.006017	-11.2398

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ZP2	659	2486	SRV+SY-1	Combination	-0.000586	-0.000317	-0.006027	-11.2584
ZP2	660	2487	SRV+SY-1	Combination	-0.000588	-0.000261	-0.007178	-13.4085
ZP2	660	2487	SRV+SY-1	Combination	-0.000589	-0.000366	-0.007187	-13.4253
ZP2	682	2488	SRV+SY-1	Combination	-0.000166	0.000516	-0.009114	-17.025
ZP2	682	2488	SRV+SY-1	Combination	-0.000182	0.000514	-0.009242	-17.2641
ZP2	683	2489	SRV+SY-1	Combination	-0.000171	0.000467	-0.008219	-15.3531
ZP2	683	2489	SRV+SY-1	Combination	-0.000187	0.00046	-0.008333	-15.566
ZP2	684	2490	SRV+SY-1	Combination	-0.000176	0.000397	-0.007203	-13.4552
ZP2	684	2490	SRV+SY-1	Combination	-0.000192	0.000379	-0.007298	-13.6327
ZP2	685	2491	SRV+SY-1	Combination	-0.000181	0.000314	-0.006268	-11.7086
ZP2	685	2491	SRV+SY-1	Combination	-0.000197	0.000284	-0.006344	-11.8506
ZP2	738	2492	SRV+SY-1	Combination	-0.000186	0.000227	-0.005567	-10.3992
ZP2	738	2492	SRV+SY-1	Combination	-0.000202	0.000185	-0.005623	-10.5038
ZP2	739	2493	SRV+SY-1	Combination	-0.000191	0.000146	-0.005206	-9.72481
ZP2	739	2493	SRV+SY-1	Combination	-0.000206	0.00009	-0.005243	-9.79392
ZP2	741	2494	SRV+SY-1	Combination	-0.000196	0.000078	-0.005253	-9.8126
ZP2	741	2494	SRV+SY-1	Combination	-0.000211	0.000007	-0.005273	-9.84996
ZP2	744	2495	SRV+SY-1	Combination	-0.000201	0.00003	-0.00574	-10.7223
ZP2	744	2495	SRV+SY-1	Combination	-0.000216	-0.000054	-0.005745	-10.7317
ZP2	760	2496	SRV+SY-1	Combination	-0.000206	0.00001	-0.006656	-12.4334
ZP2	760	2496	SRV+SY-1	Combination	-0.000221	-0.000088	-0.006666	-12.4521
ZP2	761	2497	SRV+SY-1	Combination	-0.000209	0.000028	-0.007949	-14.8487
ZP2	761	2497	SRV+SY-1	Combination	-0.000225	-0.000079	-0.007974	-14.8954
ZP2	762	2498	SRV+SY-1	Combination	-0.000426	0.000525	-0.005414	-10.1134
ZP2	762	2498	SRV+SY-1	Combination	-0.000428	0.000519	-0.005575	-10.4141
ZP2	763	2499	SRV+SY-1	Combination	-0.000432	0.000461	-0.00491	-9.17188
ZP2	763	2499	SRV+SY-1	Combination	-0.000433	0.000459	-0.005053	-9.439
ZP2	764	2500	SRV+SY-1	Combination	-0.000437	0.000379	-0.004376	-8.17437
ZP2	764	2500	SRV+SY-1	Combination	-0.000438	0.000365	-0.004498	-8.40226
ZP2	765	2501	SRV+SY-1	Combination	-0.000442	0.000283	-0.003941	-7.36179
ZP2	765	2501	SRV+SY-1	Combination	-0.000444	0.000255	-0.00404	-7.54672
ZP2	766	2502	SRV+SY-1	Combination	-0.000447	0.00018	-0.003701	-6.91347
ZP2	766	2502	SRV+SY-1	Combination	-0.000449	0.000138	-0.003779	-7.05917
ZP2	767	2503	SRV+SY-1	Combination	-0.000452	0.00008	-0.003731	-6.96951
ZP2	767	2503	SRV+SY-1	Combination	-0.000454	0.000022	-0.003791	-7.08159
ZP2	768	2504	SRV+SY-1	Combination	-0.000457	-0.000011	-0.004082	-7.62518
ZP2	768	2504	SRV+SY-1	Combination	-0.000459	-0.000085	-0.004128	-7.7111
ZP2	769	2505	SRV+SY-1	Combination	-0.000463	-0.000087	-0.004783	-8.93464
ZP2	769	2505	SRV+SY-1	Combination	-0.000464	-0.000176	-0.004818	-9.00002
ZP2	770	2506	SRV+SY-1	Combination	-0.000468	-0.00014	-0.005838	-10.9054
ZP2	770	2506	SRV+SY-1	Combination	-0.000469	-0.000241	-0.005865	-10.9558
ZP2	771	2507	SRV+SY-1	Combination	-0.000471	-0.000158	-0.007205	-13.4589
ZP2	771	2507	SRV+SY-1	Combination	-0.000473	-0.000266	-0.007228	-13.5019
ZP2	772	2508	SRV+SY-1	Combination	-0.00027	0.000432	-0.00908	-16.9614
ZP2	772	2508	SRV+SY-1	Combination	-0.000273	0.000425	-0.009171	-17.1314
ZP2	773	2509	SRV+SY-1	Combination	-0.000276	0.000362	-0.008219	-15.3531
ZP2	773	2509	SRV+SY-1	Combination	-0.000279	0.00036	-0.008301	-15.5063
ZP2	774	2510	SRV+SY-1	Combination	-0.000282	0.000282	-0.007224	-13.4944
ZP2	774	2510	SRV+SY-1	Combination	-0.000285	0.000269	-0.007293	-13.6233
ZP2	777	2511	SRV+SY-1	Combination	-0.000288	0.000193	-0.00629	-11.7497
ZP2	777	2511	SRV+SY-1	Combination	-0.000291	0.000167	-0.006345	-11.8525
ZP2	778	2512	SRV+SY-1	Combination	-0.000294	0.0001	-0.005558	-10.3823
ZP2	778	2512	SRV+SY-1	Combination	-0.000297	0.00006	-0.0056	-10.4608
ZP2	779	2513	SRV+SY-1	Combination	-0.0003	0.000008	-0.005124	-9.57163
ZP2	779	2513	SRV+SY-1	Combination	-0.000303	-0.000047	-0.005154	-9.62767
ZP2	780	2514	SRV+SY-1	Combination	-0.000306	-0.000079	-0.005047	-9.4278
ZP2	780	2514	SRV+SY-1	Combination	-0.000309	-0.000148	-0.005066	-9.46329
ZP2	781	2515	SRV+SY-1	Combination	-0.000312	-0.000154	-0.00535	-9.9938

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ZP2	781	2515	SRV+SY-1	Combination	-0.000315	-0.000237	-0.005361	-10.0143
ZP2	782	2516	SRV+SY-1	Combination	-0.000318	-0.000215	-0.006022	-11.2491
ZP2	782	2516	SRV+SY-1	Combination	-0.000321	-0.000309	-0.006026	-11.2566
ZP2	783	2517	SRV+SY-1	Combination	-0.000323	-0.00025	-0.007003	-13.0816
ZP2	783	2517	SRV+SY-1	Combination	-0.000325	-0.000352	-0.007005	-13.0853
ZP2	784	2518	SRV+SY-1	Combination	-0.000592	0.000601	-0.003461	-6.46515
ZP2	784	2518	SRV+SY-1	Combination	-0.000592	0.000583	-0.003486	-6.51185
ZP2	785	2519	SRV+SY-1	Combination	-0.000593	0.000552	-0.004399	-8.21733
ZP2	785	2519	SRV+SY-1	Combination	-0.000594	0.000536	-0.004416	-8.24909
ZP2	786	2520	SRV+SY-1	Combination	-0.000597	0.000495	-0.005495	-10.2647
ZP2	786	2520	SRV+SY-1	Combination	-0.000597	0.000482	-0.005505	-10.2833
ZP2	787	2521	SRV+SY-1	Combination	-0.0006	0.000441	-0.006629	-12.383
ZP2	787	2521	SRV+SY-1	Combination	-0.000601	0.000432	-0.006635	-12.3942
ZP2	788	2522	SRV+SY-1	Combination	-0.000088	0.000064	-0.000071	-0.13263
ZP2	788	2522	SRV+SY-1	Combination	-0.00009	0.000039	-0.000072	-0.1345
ZP2	789	2523	SRV+SY-1	Combination	-0.000095	0.000114	-0.000008	-0.01494
ZP2	789	2523	SRV+SY-1	Combination	-0.000097	0.000091	-0.000008	-0.01494
ZP2	790	2524	SRV+SY-1	Combination	-0.000106	0.00019	0.000052	0.097136
ZP2	790	2524	SRV+SY-1	Combination	-0.000108	0.000173	0.000052	0.097136
ZP2	791	2525	SRV+SY-1	Combination	-0.000117	0.000268	0.000048	0.089664
ZP2	791	2525	SRV+SY-1	Combination	-0.000118	0.000257	0.000048	0.089664
ZP2	792	2526	SRV+SY-1	Combination	-0.000363	0.000779	-0.00539	-10.0685
ZP2	792	2526	SRV+SY-1	Combination	-0.000366	0.000757	-0.005393	-10.0741
ZP2	793	2527	SRV+SY-1	Combination	-0.000364	0.000731	-0.005706	-10.6588
ZP2	793	2527	SRV+SY-1	Combination	-0.000367	0.000713	-0.005707	-10.6607
ZP2	794	2528	SRV+SY-1	Combination	-0.000365	0.000632	-0.006198	-11.5779
ZP2	794	2528	SRV+SY-1	Combination	-0.000368	0.000618	-0.006198	-11.5779
ZP2	795	2529	SRV+SY-1	Combination	-0.000366	0.000534	-0.006756	-12.6202
ZP2	795	2529	SRV+SY-1	Combination	-0.000368	0.000525	-0.006756	-12.6202
ZP2	796	2530	SRV+SY-1	Combination	-0.000058	0.000861	-0.00683	-12.7584
ZP2	796	2530	SRV+SY-1	Combination	-0.000072	0.000838	-0.00686	-12.8145
ZP2	797	2531	SRV+SY-1	Combination	-0.000062	0.000804	-0.006601	-12.3307
ZP2	797	2531	SRV+SY-1	Combination	-0.000077	0.000786	-0.006627	-12.3792
ZP2	798	2532	SRV+SY-1	Combination	-0.000068	0.000706	-0.006605	-12.3381
ZP2	798	2532	SRV+SY-1	Combination	-0.000082	0.000692	-0.006629	-12.383
ZP2	799	2533	SRV+SY-1	Combination	-0.000074	0.000608	-0.006754	-12.6165
ZP2	799	2533	SRV+SY-1	Combination	-0.000088	0.0006	-0.006775	-12.6557
ZP2	819	2534	SRV+SY-1	Combination	-0.000135	0.000352	-0.000442	-0.82566
ZP2	819	2534	SRV+SY-1	Combination	-0.000136	0.000348	-0.000442	-0.82566
ZP2	828	2535	SRV+SY-1	Combination	-0.000142	0.000368	-0.000955	-1.78394
ZP2	828	2535	SRV+SY-1	Combination	-0.000143	0.000364	-0.000957	-1.78768
ZP2	829	2536	SRV+SY-1	Combination	-0.000149	0.00038	-0.001615	-3.01682
ZP2	829	2536	SRV+SY-1	Combination	-0.00015	0.000377	-0.00162	-3.02616
ZP2	830	2537	SRV+SY-1	Combination	-0.000156	0.000393	-0.002405	-4.49254
ZP2	830	2537	SRV+SY-1	Combination	-0.000157	0.000389	-0.002412	-4.50562
ZP2	831	2539	SRV+SY-1	Combination	-0.00017	0.000427	-0.004271	-7.97823
ZP2	831	2539	SRV+SY-1	Combination	-0.00017	0.000421	-0.004286	-8.00625
ZP2	832	2540	SRV+SY-1	Combination	-0.000177	0.00045	-0.005262	-9.82942
ZP2	832	2540	SRV+SY-1	Combination	-0.000177	0.000442	-0.005281	-9.86491
ZP2	833	2541	SRV+SY-1	Combination	-0.000184	0.000473	-0.006191	-11.5648
ZP2	833	2541	SRV+SY-1	Combination	-0.000184	0.000464	-0.006214	-11.6078
ZP2	834	13	SRV+SY-1	Combination	-0.000191	0.000494	-0.006939	-12.9621
ZP2	834	13	SRV+SY-1	Combination	-0.000191	0.000485	-0.006964	-13.0088
ZP2	835	2542	SRV+SY-1	Combination	-0.000083	0.000509	-0.006709	-12.5324
ZP2	835	2542	SRV+SY-1	Combination	-0.000098	0.000506	-0.006723	-12.5586
ZP2	836	2543	SRV+SY-1	Combination	-0.000087	0.000477	-0.0065	-12.142
ZP2	836	2543	SRV+SY-1	Combination	-0.000102	0.000474	-0.00651	-12.1607
ZP2	837	2544	SRV+SY-1	Combination	-0.000091	0.00045	-0.006397	-11.9496

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HERNÁN COLOMA
CONSULTORÍA Y CONSTRUCCIÓN

ZP2	837	2544	SRV+SY-1	Combination	-0.000106	0.000447	-0.006403	-11.9608
ZP2	838	2545	SRV+SY-1	Combination	-0.000095	0.000431	-0.006491	-12.1252
ZP2	838	2545	SRV+SY-1	Combination	-0.00011	0.000428	-0.006493	-12.1289
ZP2	839	2547	SRV+SY-1	Combination	-0.000103	0.000425	-0.007389	-13.8027
ZP2	839	2547	SRV+SY-1	Combination	-0.000118	0.000419	-0.007395	-13.8139
ZP2	840	2548	SRV+SY-1	Combination	-0.000107	0.000436	-0.008133	-15.1924
ZP2	840	2548	SRV+SY-1	Combination	-0.000122	0.000428	-0.008143	-15.2111
ZP2	841	2549	SRV+SY-1	Combination	-0.000111	0.000453	-0.008942	-16.7037
ZP2	841	2549	SRV+SY-1	Combination	-0.000126	0.000445	-0.008956	-16.7298
ZP2	842	14	SRV+SY-1	Combination	-0.000115	0.000471	-0.00964	-18.0075
ZP2	842	14	SRV+SY-1	Combination	-0.00013	0.000463	-0.009656	-18.0374
ZP2	843	2550	SRV+SY-1	Combination	-0.000368	0.000456	-0.007217	-13.4814
ZP2	843	2550	SRV+SY-1	Combination	-0.000371	0.000451	-0.007219	-13.4851
ZP2	844	2551	SRV+SY-1	Combination	-0.00037	0.000432	-0.007148	-13.3525
ZP2	844	2551	SRV+SY-1	Combination	-0.000373	0.000428	-0.007148	-13.3525
ZP2	845	2552	SRV+SY-1	Combination	-0.000372	0.000409	-0.007156	-13.3674
ZP2	845	2552	SRV+SY-1	Combination	-0.000374	0.000405	-0.007156	-13.3674
ZP2	846	2553	SRV+SY-1	Combination	-0.000374	0.000392	-0.00735	-13.7298
ZP2	846	2553	SRV+SY-1	Combination	-0.000376	0.000388	-0.007352	-13.7335
ZP2	847	2555	SRV+SY-1	Combination	-0.000377	0.000383	-0.008463	-15.8089
ZP2	847	2555	SRV+SY-1	Combination	-0.000379	0.000378	-0.008468	-15.8182
ZP2	848	2556	SRV+SY-1	Combination	-0.000379	0.000393	-0.009318	-17.406
ZP2	848	2556	SRV+SY-1	Combination	-0.000381	0.000387	-0.009324	-17.4172
ZP2	849	15	SRV+SY-1	Combination	-0.000381	0.000412	-0.010223	-19.0966
ZP2	849	15	SRV+SY-1	Combination	-0.000383	0.000405	-0.01023	-19.1096
ZP2	850	16	SRV+SY-1	Combination	-0.000382	0.000436	-0.010974	-20.4994
ZP2	850	16	SRV+SY-1	Combination	-0.000384	0.000428	-0.010981	-20.5125
ZP2	851	17	SRV+SY-1	Combination	-0.000569	0.000445	-0.011204	-20.9291
ZP2	851	17	SRV+SY-1	Combination	-0.00057	0.000436	-0.011235	-20.987
ZP2	852	2557	SRV+SY-1	Combination	-0.000569	0.000424	-0.00985	-18.3998
ZP2	852	2557	SRV+SY-1	Combination	-0.000569	0.000416	-0.009876	-18.4484
ZP2	853	2558	SRV+SY-1	Combination	-0.000568	0.000406	-0.008439	-15.7641
ZP2	853	2558	SRV+SY-1	Combination	-0.000568	0.000397	-0.008459	-15.8014
ZP2	854	2559	SRV+SY-1	Combination	-0.000567	0.000393	-0.007186	-13.4234
ZP2	854	2559	SRV+SY-1	Combination	-0.000567	0.000384	-0.007198	-13.4459
ZP2	855	2560	SRV+SY-1	Combination	-0.000566	0.00039	-0.006225	-11.6283
ZP2	855	2560	SRV+SY-1	Combination	-0.000566	0.00038	-0.00623	-11.6376
ZP2	856	2561	SRV+SY-1	Combination	-0.000565	0.000396	-0.005625	-10.5075
ZP2	856	2561	SRV+SY-1	Combination	-0.000565	0.000386	-0.005627	-10.5112
ZP2	857	2562	SRV+SY-1	Combination	-0.000564	0.000412	-0.005401	-10.0891
ZP2	857	2562	SRV+SY-1	Combination	-0.000564	0.000401	-0.00541	-10.1059
ZP2	858	2563	SRV+SY-1	Combination	-0.000563	0.000435	-0.005525	-10.3207
ZP2	858	2563	SRV+SY-1	Combination	-0.000563	0.000423	-0.005541	-10.3506
ZP2	859	2564	SRV+SY-1	Combination	-0.000562	0.000462	-0.005922	-11.0623
ZP2	859	2564	SRV+SY-1	Combination	-0.000563	0.00045	-0.005945	-11.1053
ZP2	860	2565	SRV+SY-1	Combination	-0.000562	0.000487	-0.006469	-12.0841
ZP2	860	2565	SRV+SY-1	Combination	-0.000562	0.000475	-0.006498	-12.1383
ZP2	861	2566	SRV+SY-1	Combination	-0.000561	0.000503	-0.006991	-13.0592
ZP2	861	2566	SRV+SY-1	Combination	-0.000561	0.000491	-0.007025	-13.1227
ZP2	862	18	SRV+SY-1	Combination	-0.000203	0.000499	-0.007096	-13.2553
ZP2	862	18	SRV+SY-1	Combination	-0.000204	0.000491	-0.007118	-13.2964
ZP2	863	2567	SRV+SY-1	Combination	-0.000209	0.000481	-0.006585	-12.3008
ZP2	863	2567	SRV+SY-1	Combination	-0.00021	0.000473	-0.006601	-12.3307
ZP2	864	2568	SRV+SY-1	Combination	-0.000214	0.00046	-0.006029	-11.2622
ZP2	864	2568	SRV+SY-1	Combination	-0.000216	0.000451	-0.006039	-11.2809
ZP2	865	2569	SRV+SY-1	Combination	-0.00022	0.000441	-0.005593	-10.4477
ZP2	865	2569	SRV+SY-1	Combination	-0.000221	0.000431	-0.005594	-10.4496
ZP2	866	2570	SRV+SY-1	Combination	-0.000225	0.000429	-0.005377	-10.0442

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ZP2	866	2570	SRV+SY-1	Combination	-0.000227	0.000418	-0.005387	-10.0629
ZP2	867	2571	SRV+SY-1	Combination	-0.000231	0.000426	-0.005453	-10.1862
ZP2	867	2571	SRV+SY-1	Combination	-0.000233	0.000413	-0.005474	-10.2254
ZP2	868	2572	SRV+SY-1	Combination	-0.000237	0.000431	-0.00584	-10.9091
ZP2	868	2572	SRV+SY-1	Combination	-0.000238	0.000417	-0.005875	-10.9745
ZP2	869	2573	SRV+SY-1	Combination	-0.000242	0.000444	-0.00651	-12.1607
ZP2	869	2573	SRV+SY-1	Combination	-0.000244	0.000428	-0.006559	-12.2522
ZP2	870	2574	SRV+SY-1	Combination	-0.000248	0.000461	-0.007386	-13.797
ZP2	870	2574	SRV+SY-1	Combination	-0.00025	0.000444	-0.00745	-13.9166
ZP2	871	2575	SRV+SY-1	Combination	-0.000253	0.000477	-0.008332	-15.5642
ZP2	871	2575	SRV+SY-1	Combination	-0.000255	0.00046	-0.00841	-15.7099
ZP2	872	2576	SRV+SY-1	Combination	-0.000259	0.000485	-0.009146	-17.0847
ZP2	872	2576	SRV+SY-1	Combination	-0.000261	0.000469	-0.009236	-17.2528
ZP2	873	19	SRV+SY-1	Combination	-0.000387	0.000469	-0.010609	-19.8176
ZP2	873	19	SRV+SY-1	Combination	-0.000389	0.000461	-0.010613	-19.8251
ZP2	874	2577	SRV+SY-1	Combination	-0.00039	0.000461	-0.00948	-17.7086
ZP2	874	2577	SRV+SY-1	Combination	-0.000392	0.000454	-0.009481	-17.7105
ZP2	875	2578	SRV+SY-1	Combination	-0.000393	0.000447	-0.0082	-15.3176
ZP2	875	2578	SRV+SY-1	Combination	-0.000395	0.000439	-0.008208	-15.3325
ZP2	876	2579	SRV+SY-1	Combination	-0.000396	0.000433	-0.00699	-13.0573
ZP2	876	2579	SRV+SY-1	Combination	-0.000398	0.000425	-0.007008	-13.0909
ZP2	877	2580	SRV+SY-1	Combination	-0.0004	0.000425	-0.005991	-11.1912
ZP2	877	2580	SRV+SY-1	Combination	-0.000401	0.000415	-0.006022	-11.2491
ZP2	878	2581	SRV+SY-1	Combination	-0.000403	0.000424	-0.005283	-9.86864
ZP2	878	2581	SRV+SY-1	Combination	-0.000404	0.000414	-0.005331	-9.95831
ZP2	879	2582	SRV+SY-1	Combination	-0.000406	0.000434	-0.004894	-9.14199
ZP2	879	2582	SRV+SY-1	Combination	-0.000407	0.000423	-0.004962	-9.26902
ZP2	880	2583	SRV+SY-1	Combination	-0.000409	0.000453	-0.004805	-8.97574
ZP2	880	2583	SRV+SY-1	Combination	-0.000411	0.000441	-0.004897	-9.1476
ZP2	881	2584	SRV+SY-1	Combination	-0.000412	0.000479	-0.004962	-9.26902
ZP2	881	2584	SRV+SY-1	Combination	-0.000414	0.000466	-0.005078	-9.4857
ZP2	882	2585	SRV+SY-1	Combination	-0.000415	0.000509	-0.005267	-9.83876
ZP2	882	2585	SRV+SY-1	Combination	-0.000417	0.000495	-0.005407	-10.1003
ZP2	883	2586	SRV+SY-1	Combination	-0.000418	0.000536	-0.005583	-10.429
ZP2	883	2586	SRV+SY-1	Combination	-0.00042	0.000523	-0.005743	-10.7279
ZP2	884	20	SRV+SY-1	Combination	-0.000123	0.000478	-0.009471	-17.6918
ZP2	884	20	SRV+SY-1	Combination	-0.000138	0.000472	-0.009487	-17.7217
ZP2	885	2587	SRV+SY-1	Combination	-0.000126	0.000459	-0.008604	-16.0723
ZP2	885	2587	SRV+SY-1	Combination	-0.000142	0.000453	-0.008616	-16.0947
ZP2	886	2588	SRV+SY-1	Combination	-0.000129	0.000435	-0.007664	-14.3164
ZP2	886	2588	SRV+SY-1	Combination	-0.000145	0.000429	-0.007669	-14.3257
ZP2	887	2589	SRV+SY-1	Combination	-0.000133	0.000414	-0.006855	-12.8051
ZP2	887	2589	SRV+SY-1	Combination	-0.000149	0.000406	-0.00686	-12.8145
ZP2	888	2590	SRV+SY-1	Combination	-0.000136	0.0004	-0.006311	-11.7889
ZP2	888	2590	SRV+SY-1	Combination	-0.000152	0.00039	-0.00633	-11.8244
ZP2	889	2591	SRV+SY-1	Combination	-0.00014	0.000396	-0.006117	-11.4266
ZP2	889	2591	SRV+SY-1	Combination	-0.000156	0.000384	-0.006151	-11.4901
ZP2	890	2592	SRV+SY-1	Combination	-0.000143	0.000403	-0.006295	-11.7591
ZP2	890	2592	SRV+SY-1	Combination	-0.000159	0.000389	-0.006346	-11.8543
ZP2	891	2593	SRV+SY-1	Combination	-0.000147	0.000421	-0.006813	-12.7267
ZP2	891	2593	SRV+SY-1	Combination	-0.000163	0.000405	-0.006884	-12.8593
ZP2	892	2594	SRV+SY-1	Combination	-0.00015	0.000447	-0.007586	-14.1706
ZP2	892	2594	SRV+SY-1	Combination	-0.000166	0.000431	-0.007678	-14.3425
ZP2	893	2595	SRV+SY-1	Combination	-0.000154	0.000479	-0.008468	-15.8182
ZP2	893	2595	SRV+SY-1	Combination	-0.00017	0.000463	-0.008579	-16.0256
ZP2	894	2596	SRV+SY-1	Combination	-0.000157	0.000511	-0.009244	-17.2678
ZP2	894	2596	SRV+SY-1	Combination	-0.000173	0.000497	-0.00937	-17.5032
ZP2	895	2597	SRV+SY-1	Combination	-0.00055	0.000391	-0.006866	-12.8257

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ZP2	895	2597	SRV+SY-1	Combination	-0.000551	0.000384	-0.006871	-12.835
ZP2	896	2598	SRV+SY-1	Combination	-0.00047	0.000382	-0.005806	-10.8456
ZP2	896	2598	SRV+SY-1	Combination	-0.000471	0.000375	-0.005811	-10.8549
ZP2	897	2599	SRV+SY-1	Combination	-0.000378	0.000373	-0.004616	-8.62269
ZP2	897	2599	SRV+SY-1	Combination	-0.00038	0.000366	-0.004621	-8.63203
ZP2	898	2600	SRV+SY-1	Combination	-0.000286	0.000364	-0.003419	-6.38669
ZP2	898	2600	SRV+SY-1	Combination	-0.000289	0.000357	-0.003424	-6.39603
ZP2	899	2601	SRV+SY-1	Combination	-0.000206	0.000355	-0.002304	-4.30387
ZP2	899	2601	SRV+SY-1	Combination	-0.000209	0.000348	-0.002309	-4.31321
ZP2	900	2602	SRV+SY-1	Combination	-0.000147	0.000346	-0.001341	-2.50499
ZP2	900	2602	SRV+SY-1	Combination	-0.00015	0.00034	-0.001345	-2.51246
ZP2	901	2603	SRV+SY-1	Combination	-0.000118	0.000337	-0.000586	-1.09465
ZP2	901	2603	SRV+SY-1	Combination	-0.000121	0.000331	-0.000588	-1.09838
ZP2	902	21	SRV+SY-1	Combination	-0.00054	0.000466	-0.011502	-21.4857
ZP2	902	21	SRV+SY-1	Combination	-0.000541	0.000458	-0.011533	-21.5436
ZP2	903	2604	SRV+SY-1	Combination	-0.000487	0.000472	-0.010547	-19.7018
ZP2	903	2604	SRV+SY-1	Combination	-0.000488	0.000464	-0.010571	-19.7466
ZP2	904	2605	SRV+SY-1	Combination	-0.000421	0.000478	-0.009577	-17.8898
ZP2	904	2605	SRV+SY-1	Combination	-0.000422	0.00047	-0.009591	-17.916
ZP2	905	2607	SRV+SY-1	Combination	-0.00029	0.00049	-0.008137	-15.1999
ZP2	905	2607	SRV+SY-1	Combination	-0.000291	0.000481	-0.008143	-15.2111
ZP2	906	22	SRV+SY-1	Combination	-0.00024	0.000496	-0.007747	-14.4714
ZP2	906	22	SRV+SY-1	Combination	-0.00024	0.000487	-0.007762	-14.4994
ZP2	907	23	SRV+SY-1	Combination	-0.000208	0.000501	-0.007523	-14.053
ZP2	907	23	SRV+SY-1	Combination	-0.000208	0.000493	-0.007544	-14.0922
ZP2	908	2608	SRV+SY-1	Combination	-0.000528	0.000497	-0.007229	-13.5038
ZP2	908	2608	SRV+SY-1	Combination	-0.000529	0.000486	-0.007252	-13.5467
ZP2	909	2609	SRV+SY-1	Combination	-0.000486	0.000494	-0.00716	-13.3749
ZP2	909	2609	SRV+SY-1	Combination	-0.000487	0.000483	-0.007171	-13.3954
ZP2	910	2610	SRV+SY-1	Combination	-0.000441	0.000491	-0.00719	-13.4309
ZP2	910	2610	SRV+SY-1	Combination	-0.000441	0.00048	-0.007192	-13.4347
ZP2	911	2611	SRV+SY-1	Combination	-0.000395	0.000488	-0.007391	-13.8064
ZP2	911	2611	SRV+SY-1	Combination	-0.000396	0.000476	-0.007405	-13.8325
ZP2	912	2612	SRV+SY-1	Combination	-0.000353	0.000485	-0.007795	-14.5611
ZP2	912	2612	SRV+SY-1	Combination	-0.000355	0.000473	-0.007826	-14.619
ZP2	913	2613	SRV+SY-1	Combination	-0.000318	0.000482	-0.008368	-15.6314
ZP2	913	2613	SRV+SY-1	Combination	-0.000319	0.00047	-0.008417	-15.723
ZP2	914	2614	SRV+SY-1	Combination	-0.000289	0.00048	-0.009009	-16.8288
ZP2	914	2614	SRV+SY-1	Combination	-0.00029	0.000467	-0.009079	-16.9596
ZP2	915	24	SRV+SY-1	Combination	-0.00043	0.000545	-0.005658	-10.5691
ZP2	915	24	SRV+SY-1	Combination	-0.000433	0.000534	-0.005825	-10.8811
ZP2	916	2615	SRV+SY-1	Combination	-0.00045	0.000537	-0.005654	-10.5617
ZP2	916	2615	SRV+SY-1	Combination	-0.000453	0.000526	-0.005804	-10.8419
ZP2	917	2616	SRV+SY-1	Combination	-0.000478	0.00053	-0.005786	-10.8082
ZP2	917	2616	SRV+SY-1	Combination	-0.00048	0.000519	-0.005913	-11.0455
ZP2	918	2617	SRV+SY-1	Combination	-0.00051	0.000522	-0.006074	-11.3462
ZP2	918	2617	SRV+SY-1	Combination	-0.000511	0.000511	-0.006175	-11.5349
ZP2	919	2618	SRV+SY-1	Combination	-0.00054	0.000515	-0.006484	-12.1121
ZP2	919	2618	SRV+SY-1	Combination	-0.000541	0.000504	-0.006559	-12.2522
ZP2	920	2619	SRV+SY-1	Combination	-0.00056	0.000508	-0.006927	-12.9396
ZP2	920	2619	SRV+SY-1	Combination	-0.000561	0.000497	-0.00698	-13.0386
ZP2	921	2620	SRV+SY-1	Combination	-0.000372	0.000465	-0.00719	-13.4309
ZP2	921	2620	SRV+SY-1	Combination	-0.000375	0.000459	-0.007192	-13.4347
ZP2	922	2621	SRV+SY-1	Combination	-0.000404	0.000454	-0.007185	-13.4216
ZP2	922	2621	SRV+SY-1	Combination	-0.000407	0.000448	-0.007186	-13.4234
ZP2	923	2622	SRV+SY-1	Combination	-0.000455	0.000443	-0.007264	-13.5692
ZP2	923	2622	SRV+SY-1	Combination	-0.000457	0.000437	-0.007264	-13.5692
ZP2	924	2623	SRV+SY-1	Combination	-0.000513	0.000432	-0.007438	-13.8942

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ZP2	924	2623	SRV+SY-1	Combination	-0.000515	0.000426	-0.007439	-13.8961
ZP2	925	2624	SRV+SY-1	Combination	-0.000568	0.000421	-0.007652	-14.2939
ZP2	925	2624	SRV+SY-1	Combination	-0.000568	0.000415	-0.007654	-14.2977
ZP2	926	2625	SRV+SY-1	Combination	-0.000603	0.00041	-0.007781	-14.5349
ZP2	926	2625	SRV+SY-1	Combination	-0.000604	0.000404	-0.007785	-14.5424
ZP2	927	25	SRV+SY-1	Combination	-0.000408	0.000461	-0.011238	-20.9926
ZP2	927	25	SRV+SY-1	Combination	-0.00041	0.000454	-0.011248	-21.0113
ZP2	928	26	SRV+SY-1	Combination	-0.000436	0.000461	-0.011141	-20.8114
ZP2	928	26	SRV+SY-1	Combination	-0.000438	0.000453	-0.011155	-20.8375
ZP2	929	27	SRV+SY-1	Combination	-0.000469	0.000461	-0.011169	-20.8637
ZP2	929	27	SRV+SY-1	Combination	-0.000471	0.000453	-0.011189	-20.9011
ZP2	930	28	SRV+SY-1	Combination	-0.000504	0.000461	-0.011391	-21.2784
ZP2	930	28	SRV+SY-1	Combination	-0.000505	0.000453	-0.011415	-21.3232
ZP2	931	29	SRV+SY-1	Combination	-0.000537	0.000461	-0.01176	-21.9677
ZP2	931	29	SRV+SY-1	Combination	-0.000538	0.000453	-0.01179	-22.0237
ZP2	932	30	SRV+SY-1	Combination	-0.000562	0.000461	-0.012119	-22.6383
ZP2	932	30	SRV+SY-1	Combination	-0.000562	0.000453	-0.012154	-22.7037
ZP2	933	2626	SRV+SY-1	Combination	-0.000187	0.000537	-0.009069	-16.9409
ZP2	933	2626	SRV+SY-1	Combination	-0.000198	0.000527	-0.009183	-17.1538
ZP2	934	2627	SRV+SY-1	Combination	-0.000224	0.000539	-0.00826	-15.4297
ZP2	934	2627	SRV+SY-1	Combination	-0.000231	0.00053	-0.008333	-15.566
ZP2	935	2628	SRV+SY-1	Combination	-0.000268	0.000542	-0.007425	-13.8699
ZP2	935	2628	SRV+SY-1	Combination	-0.000273	0.000532	-0.007444	-13.9054
ZP2	936	2629	SRV+SY-1	Combination	-0.000317	0.000544	-0.006677	-12.4726
ZP2	936	2629	SRV+SY-1	Combination	-0.00032	0.000534	-0.006716	-12.5455
ZP2	937	2630	SRV+SY-1	Combination	-0.000363	0.000547	-0.006124	-11.4396
ZP2	937	2630	SRV+SY-1	Combination	-0.000365	0.000536	-0.00622	-11.619
ZP2	938	2631	SRV+SY-1	Combination	-0.000401	0.000549	-0.005817	-10.8662
ZP2	938	2631	SRV+SY-1	Combination	-0.000402	0.000539	-0.005959	-11.1314
ZP2	939	2632	SRV+SY-1	Combination	-0.000078	0.000533	-0.006725	-12.5623
ZP2	939	2632	SRV+SY-1	Combination	-0.00009	0.000528	-0.006742	-12.5941
ZP2	940	2633	SRV+SY-1	Combination	-0.000112	0.000524	-0.006541	-12.2186
ZP2	940	2633	SRV+SY-1	Combination	-0.000121	0.000519	-0.006555	-12.2447
ZP2	941	2634	SRV+SY-1	Combination	-0.000169	0.000514	-0.006447	-12.043
ZP2	941	2634	SRV+SY-1	Combination	-0.000176	0.000509	-0.006458	-12.0635
ZP2	942	2635	SRV+SY-1	Combination	-0.000237	0.000505	-0.006499	-12.1401
ZP2	942	2635	SRV+SY-1	Combination	-0.000241	0.000499	-0.006506	-12.1532
ZP2	943	2636	SRV+SY-1	Combination	-0.000303	0.000495	-0.006694	-12.5044
ZP2	943	2636	SRV+SY-1	Combination	-0.000305	0.000489	-0.006698	-12.5119
ZP2	944	2637	SRV+SY-1	Combination	-0.000352	0.000486	-0.00697	-13.02
ZP2	944	2637	SRV+SY-1	Combination	-0.000352	0.00048	-0.00697	-13.02
ZP2	945	31	SRV+SY-1	Combination	-0.000136	0.000482	-0.009941	-18.5698
ZP2	945	31	SRV+SY-1	Combination	-0.000149	0.000475	-0.009953	-18.5922
ZP2	946	32	SRV+SY-1	Combination	-0.000167	0.000479	-0.009815	-18.3344
ZP2	946	32	SRV+SY-1	Combination	-0.000177	0.000471	-0.009822	-18.3475
ZP2	947	33	SRV+SY-1	Combination	-0.000208	0.000475	-0.009795	-18.2971
ZP2	947	33	SRV+SY-1	Combination	-0.000215	0.000468	-0.009798	-18.3027
ZP2	948	34	SRV+SY-1	Combination	-0.000256	0.000472	-0.009978	-18.6389
ZP2	948	34	SRV+SY-1	Combination	-0.000259	0.000464	-0.009978	-18.6389
ZP2	949	35	SRV+SY-1	Combination	-0.000305	0.000468	-0.010366	-19.3637
ZP2	949	35	SRV+SY-1	Combination	-0.000306	0.000461	-0.010369	-19.3693
ZP2	950	36	SRV+SY-1	Combination	-0.00035	0.000465	-0.010868	-20.3014
ZP2	950	36	SRV+SY-1	Combination	-0.000351	0.000457	-0.010872	-20.3089
ZP2	951	2638	SRV+SY-1	Combination	-0.000602	0.000372	-0.008278	-15.4633
ZP2	951	2638	SRV+SY-1	Combination	-0.000603	0.000366	-0.008284	-15.4745
ZP2	952	2639	SRV+SY-1	Combination	-0.0006	0.000354	-0.008952	-16.7223
ZP2	952	2639	SRV+SY-1	Combination	-0.0006	0.000348	-0.008963	-16.7429
ZP2	953	2640	SRV+SY-1	Combination	-0.000597	0.000346	-0.009684	-18.0897

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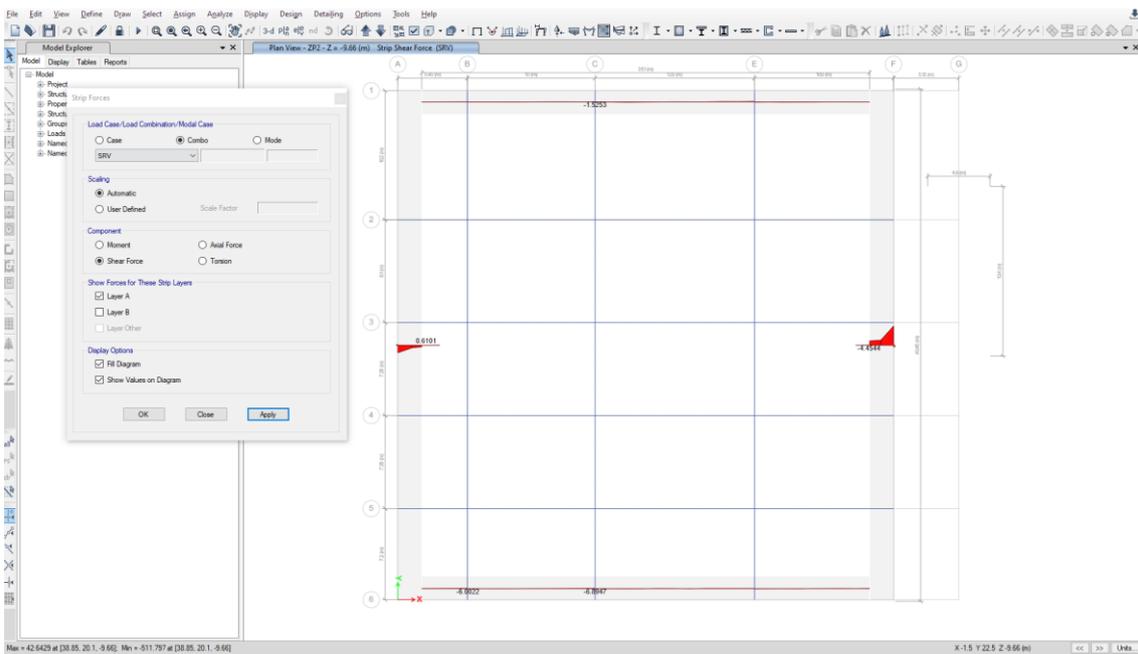ADMINISTRATIVO Y POSGRADO DE LA UNACH CAMPUS DOLOROSA, AÑO 2023."

ZP2	953	2640	SRV+SY-1	Combination	-0.000598	0.00034	-0.009701	-18.1215
ZP2	954	37	SRV+SY-1	Combination	-0.000595	0.000348	-0.010434	-19.4907
ZP2	954	37	SRV+SY-1	Combination	-0.000596	0.000343	-0.010457	-19.5337
ZP2	955	38	SRV+SY-1	Combination	-0.000592	0.000361	-0.011052	-20.6451
ZP2	955	38	SRV+SY-1	Combination	-0.000593	0.000356	-0.01108	-20.6974
ZP2	956	39	SRV+SY-1	Combination	-0.000588	0.000382	-0.011454	-21.3961
ZP2	956	39	SRV+SY-1	Combination	-0.000588	0.000377	-0.011486	-21.4558
ZP2	957	40	SRV+SY-1	Combination	-0.000583	0.000408	-0.011816	-22.0723
ZP2	957	40	SRV+SY-1	Combination	-0.000584	0.000402	-0.01185	-22.1358
ZP2	958	41	SRV+SY-1	Combination	-0.000579	0.000434	-0.01214	-22.6775
ZP2	958	41	SRV+SY-1	Combination	-0.00058	0.000427	-0.012175	-22.7429
ZP2	959	42	SRV+SY-1	Combination	-0.000575	0.000454	-0.012331	-23.0343
ZP2	959	42	SRV+SY-1	Combination	-0.000575	0.000447	-0.012367	-23.1016

Los esfuerzos transmitidos al suelo son menores que la capacidad máxima estática del suelo 26 ton/m^2

8. CONTROL DE CIMENTACION (APLASTAMIENTO, PUNZONAMIENTO, CORTE BIDIRECCIONAL)
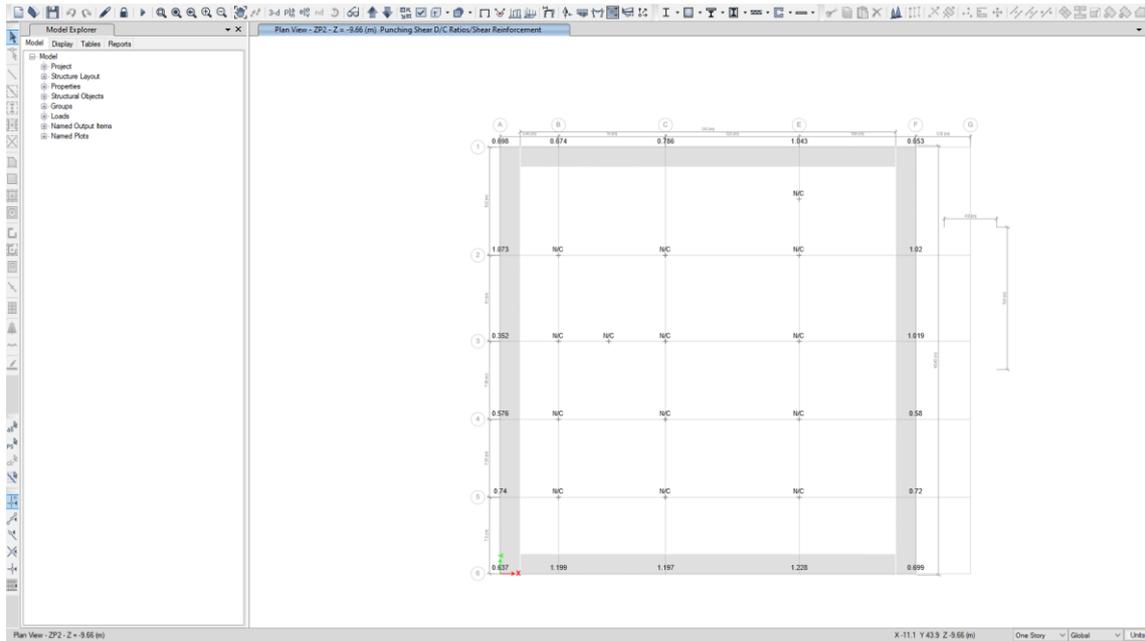
MEMORIA DE CÁLCULO
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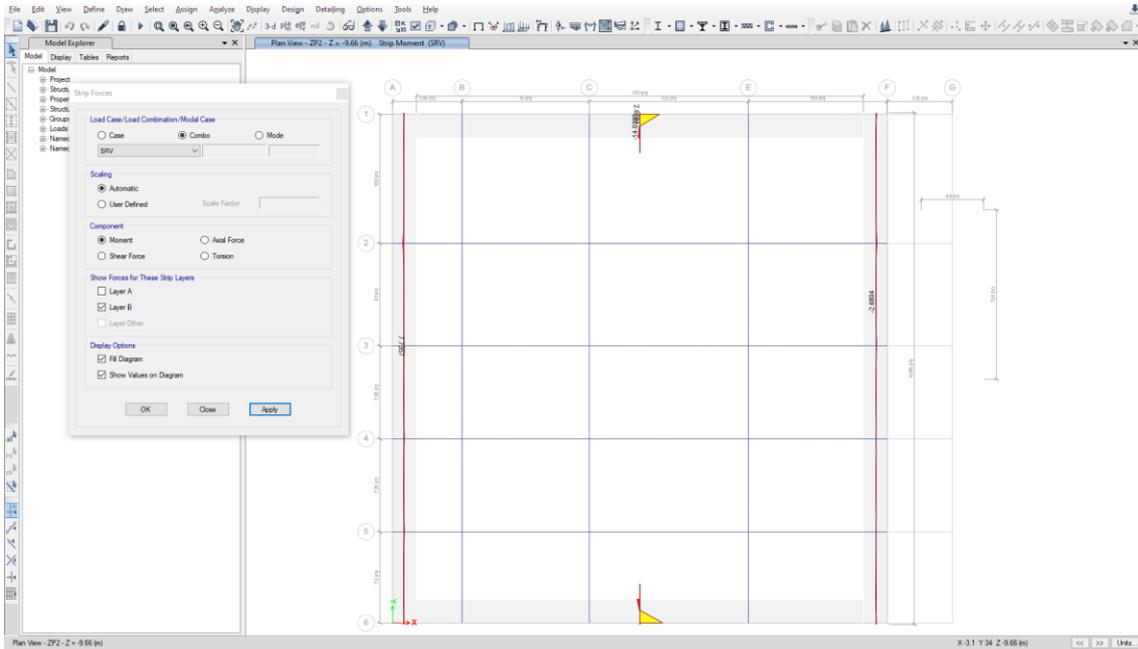ADMINISTRATIVO Y POSGRADO DE LA UNACH CAMPUS DOLOROSA, AÑO 2023."
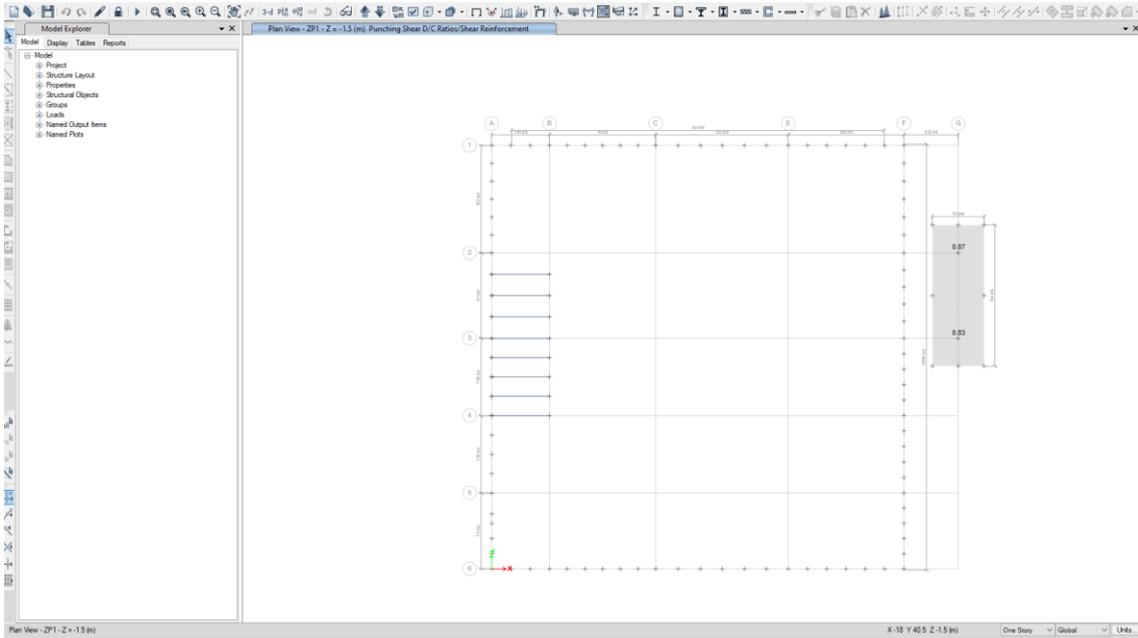
9.   EVALUACION DE ESFUERZOS EN CIMENTACION BAJO CARGAS DE SERVICIO
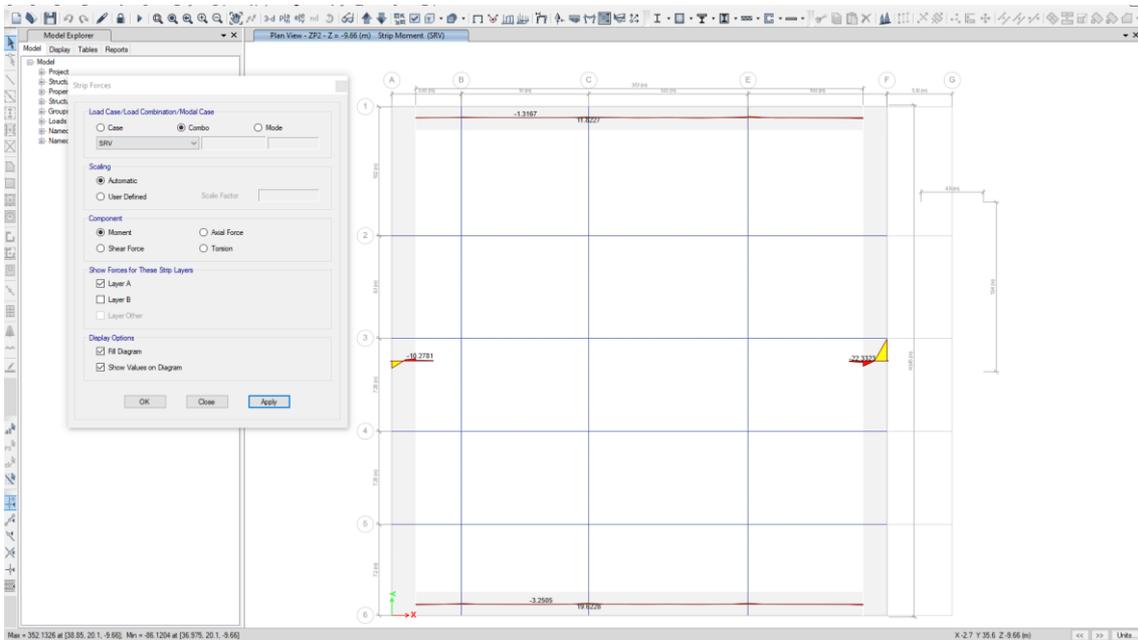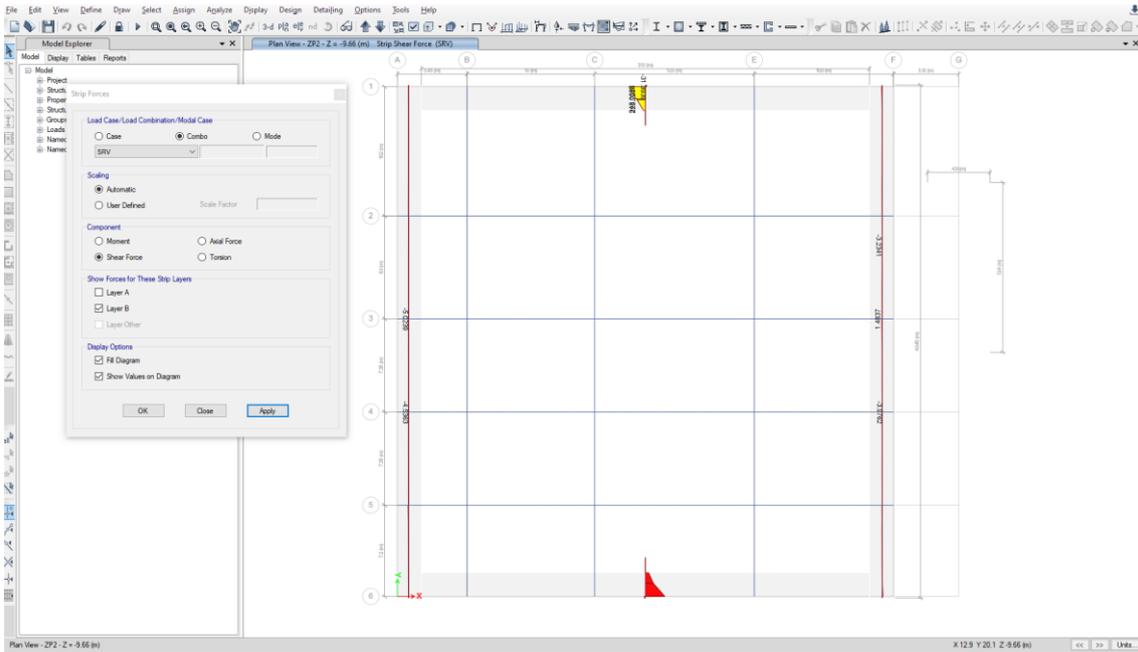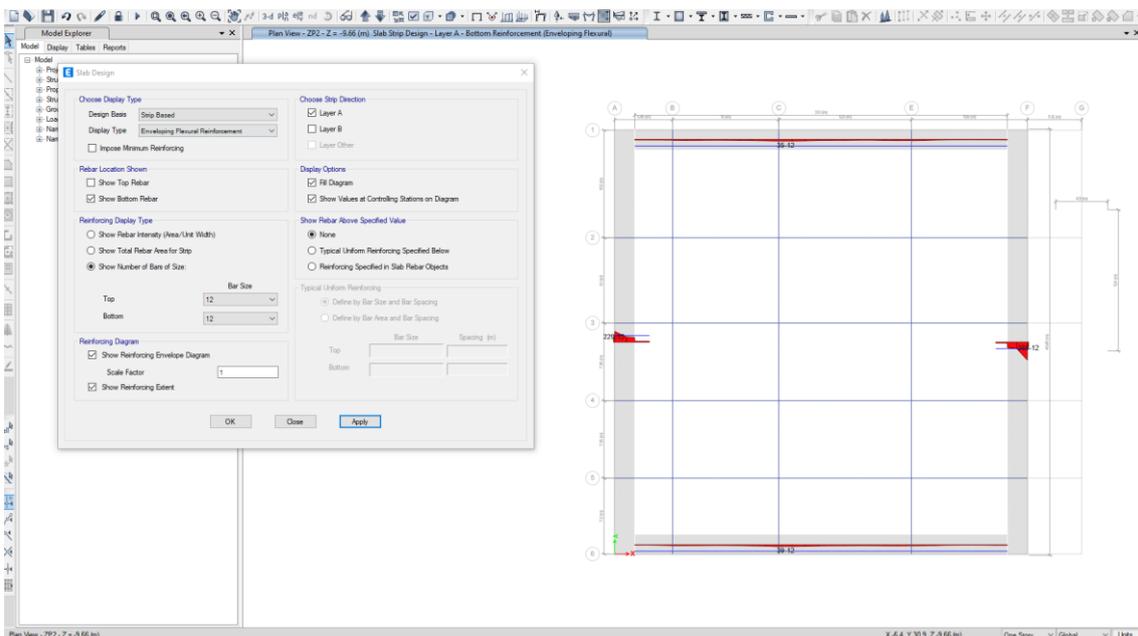
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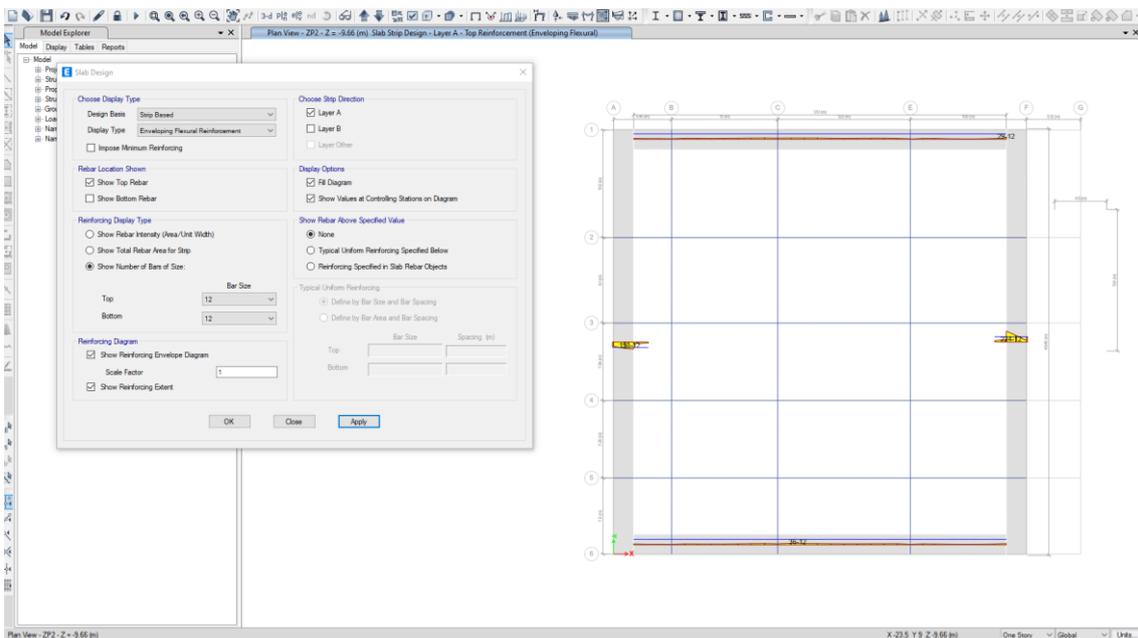ADMINISTRATIVO Y POSGRADO DE LA UNACH CAMPUS DOLOROSA, AÑO 2023."

10. DISEÑO DE ACERO EN CIMENTACION

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EDIFICIO DE LA FACULTAD DE CIENCIAS DE LA SALUD

"CONSULTORIA PARA LOS ESTUDIOS DEFINITIVOS DE LA CONSTRUCCION DEL EDIFICIO DE LA
FACULTAD DE CIENCIAS DE LA SALUD DE LA UNACH CAMPUS EDISON RIERA Y DEL EDIFICIO
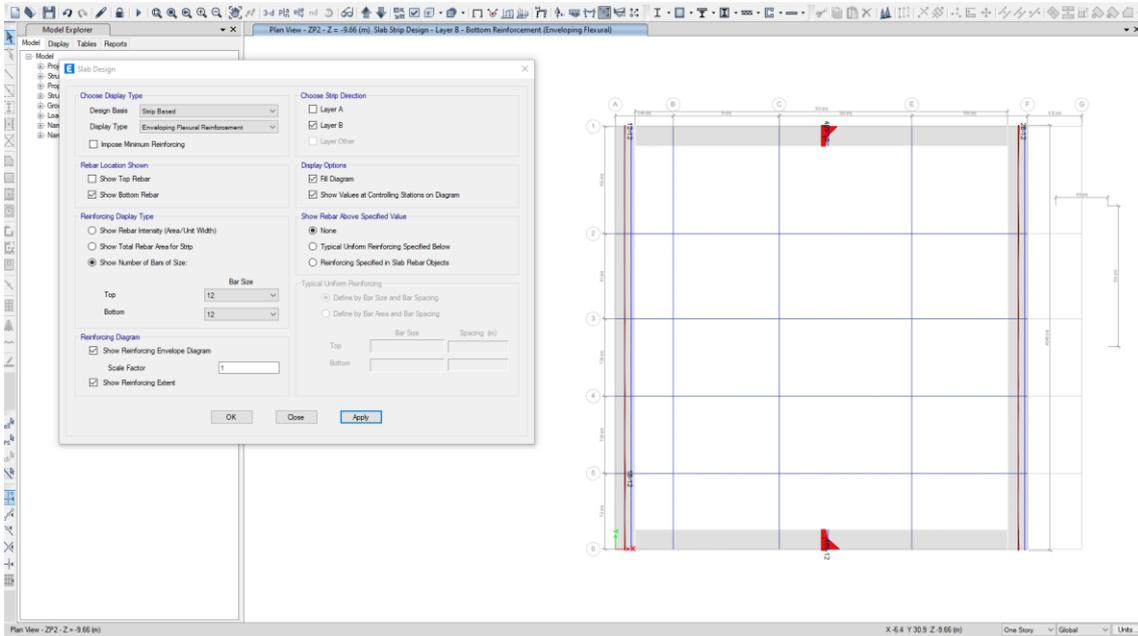ADMINISTRATIVO Y POSGRADO DE LA UNACH CAMPUS DOLOROSA, AÑO 2023."

MEMORIA DE CÁLCULO
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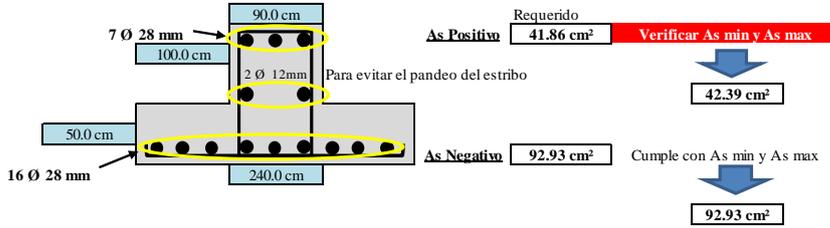
HERNÁN COLOMA
CONSULTORÍA Y CONSTRUCCIÓN
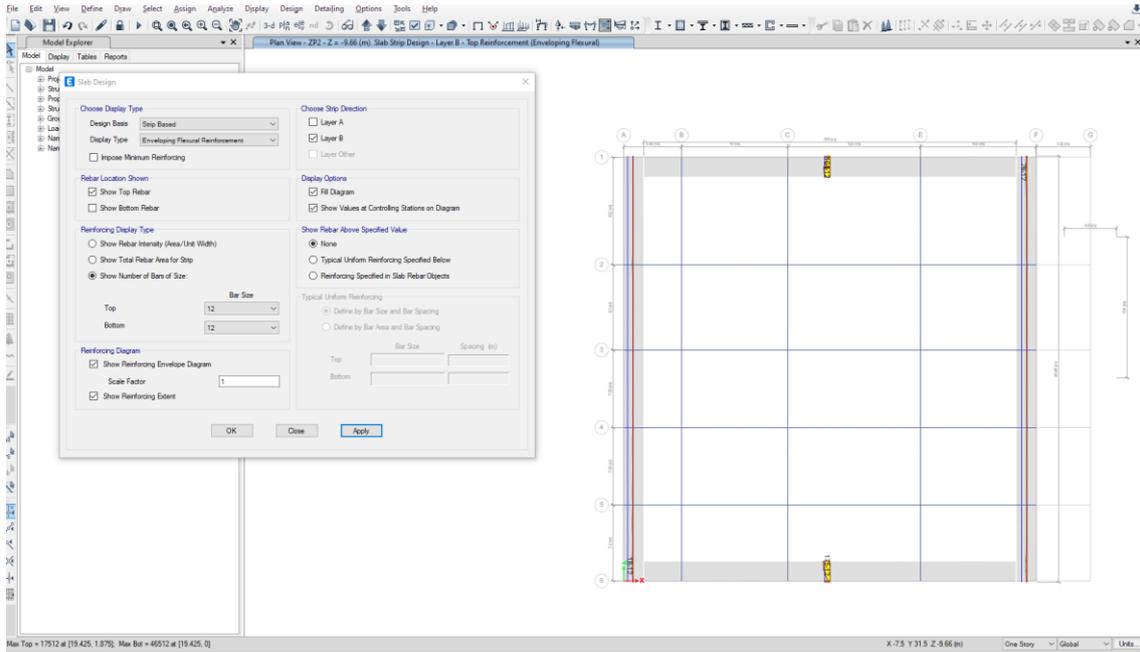
11. ARMADO DE VIGAS DE CIMENTACIÓN

DISEÑO DEL REFUERZO PARA VIGAS CONTINUAS DE CIMENTACION

ACERO LONGITUDINAL

1. Colocar dimensiones de la viga continua

90.0 cm
7 Ø 28 mm
100.0 cm
2 Ø 12mm — Para evitar el pandeo del estribo
50.0 cm
16 Ø 28 mm
240.0 cm

Requerido
As Positivo 41.86 cm² — **Verificar As min y As max**

42.39 cm²

As Negativo 92.93 cm² — Cumple con As min y As max

92.93 cm²

2. Colocar Diametro de Barra Longitudinal asumida, Estribo y Momento.

REFUERZO POSITIVO		**REFUERZO NEGATIVO**		**ACERO MINIMO ALMA:**			**ACERO MINIMO ALA:**		
f c =	240.00 Kg/cm2	f c =	240.00 Kg/cm2	ρ min =	0.0026	0.0033	ρ min =	0.0026	0.003333333
fy =	4200.00 Kg/cm2	fy =	4200.00 Kg/cm2	As min =	42.39 cm²		b	75.00 cm	
b =	90.00 cm	b =	90.00 cm	Ø barra =	28 mm		d	40.75 cm	
h =	150.00 cm	h =	150.00 cm	As =	6.158 cm²		As min =	10.19 cm²	
Ø barra =	14 mm	Ø barra =	14 mm	Tomamos	7 Ø 28 mm		Ø barra =	25 mm	
Ø estribo =	10 mm	Ø estribo =	10 mm	**ACERO MAXIMO**			As =	4.909 cm²	
recub. =	7.00 cm	recub. =	7.00 cm	ρmax =	0.0124	0.5ρ_b			
d =	141.30 cm	d =	141.30 cm	As max =	157.62 cm²				
M =	240.00 Tn-m	M =	510.00 Tn-m	Ø barra =	28 mm				
a =	10.683 cm	a =	23.857 cm	As =	6.158 cm²				
As =	41.86 cm²	As =	92.93 cm²						

3. Aceros Negativos y Positivos Finales.

ACERO POSITIVO		**ACERO NEGATIVO**		**ACERO ALAS**	
As Positivo	42.39 cm²	As Negativo	92.93 cm²	As alas	10.19 cm²
Ø barra =	28 mm	Ø barra =	28 mm	Ø barra =	25 mm
As =	6.158 cm²	As =	6.158 cm²	As =	4.909 cm²
Tomamos	**7 Ø 28 mm**	Tomamos	**16 Ø 28 mm**	Tomamos	**3 Ø 25 mm**

ACERO TRANSVERSAL

σadm Suelo = 20.00 Tn/m²
σ diseño = 30.00 Tn/m²
Tomando B = 0.750 m
Mom. Neg = 6.33 Tn-m

1 Ø 12 mm @10 cm
90.0 cm
100.0 cm
12 mm @ 20 cm
75.0 cm
50.0 cm
240.0 cm
22.50 Tn/m
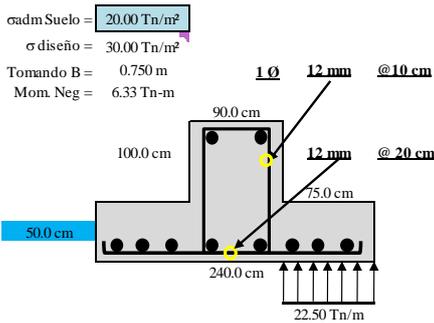
REFUERZO NEGATIVO

f c =	240.00	Kg/cm²
fy =	4200.00	Kg/cm²
b =	75.00 cm	
h =	50.00 cm	
Ø barra =	28 mm	
Ø estribo =	12 mm	
recub. =	7.00 cm	
d =	40.40 cm	
M =	**6.33 Tn-m**	
a =	1.154 cm	
As =	**4.20 cm²**	
Ø est =	12 mm	
As =	1.131 cm²	
@ =	25.00 cm	
As temp. =	**3.64 cm²**	por cara
@ =	31.00 cm	

VERIFICACION POR CORTANTE

Vu =	238.00 Tn	A cara de columna	Ø.Vc =	Vud =	
Wu =	0.00 Tn/m	peso contrapiso	77.813 Tn <	238.000 Tn	NECESITA ESTRIBOS
recub. =	7.00 cm				
Ø barra =	28 mm		Ø.Vs requerido :	160.19	
Ø estribo =	12 mm		S calculado=	12.49 cm	
b =	90.00 cm		**S adoptado=**	**10.00 cm**	
d =	140.40 cm				
As =	1.131 cm²	**VERIFICACIÓN DE ESTRIBOS**			
ramales	4		Ø.Vs =	200.07	kg
			Vc	**277.89**	**t** OK

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Atentamente,

_____

Ing. Hernán Coloma P.
C.I. 1724294580
Ingeniero Estructural