



ANEXOS





DATOS DE ENTRADA



PY177-v02-ZONA 1-REF VILLA ANGELES-in

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STORY DATA

STORY	SIMILAR TO	HEIGHT	ELEVATION
STORY2	None	4.500	8.300
STORY1	None	3.800	3.800
BASE	None	0.000	

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COORDINATE SYSTEM LOCATION DATA

NAME	TYPE	X	Y	ROTATION	BUBBLESIZE	VISIBLE
GLOBAL	Cartesian	0.000	0.000	0.00000	1.250	Yes

COORDINATE SYSTEM GRID DATA

SYSTEM NAME	GRID DIR	GRID ID	GRID TYPE	GRID HIDE	GRID LOC	BUBBLE COORDINATE	GRID
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POINT COORDINATES

POINT	X	Y	DZ-BELOW
23	46.942	13.765	0.000
123	42.567	1.479	0.000
142	46.979	1.783	0.000
149	22.924	0.021	0.000
150	0.469	0.000	0.000
208	10.559	1.180	0.000
209	21.789	1.180	0.000
210	10.559	6.580	0.000
211	21.789	6.580	0.000
288	10.559	2.980	0.000
289	10.559	4.780	0.000
290	21.789	2.980	0.000
291	21.789	4.780	0.000
292	12.889	1.180	0.000

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293	15.119	1.180	0.000
294	17.339	1.180	0.000
295	19.559	1.180	0.000
296	12.889	6.580	0.000
297	15.119	6.580	0.000
298	17.339	6.580	0.000
299	19.559	6.580	0.000
317	31.799	6.650	0.000
318	39.719	6.650	0.000
319	39.719	13.070	0.000
320	31.799	13.070	0.000
321	34.439	6.650	0.000
322	37.079	6.650	0.000
323	34.439	13.070	0.000
324	37.079	13.070	0.000
325	31.799	10.930	0.000
326	31.799	8.790	0.000
327	39.719	10.930	0.000
328	39.719	8.790	0.000
361	28.564	0.021	0.000
362	0.469	13.800	0.000
363	47.448	13.800	0.000
367	47.448	11.160	0.000
368	47.448	10.090	0.000
369	47.448	7.170	0.000
371	47.448	5.650	0.000
374	47.448	3.710	0.000
376	47.448	4.650	0.000
380	42.567	6.650	0.000
381	42.567	13.800	0.000
382	42.567	10.090	0.000
383	42.567	11.160	0.000
387	42.567	9.123	0.000
389	42.567	12.412	0.000
390	42.567	4.859	0.000
391	28.564	13.800	0.000
392	28.564	8.790	0.000
394	0.469	8.790	0.000
395	22.924	13.800	0.000
396	6.579	13.800	0.000
397	6.592	0.006	0.000
398	10.559	13.800	0.000
399	28.564	4.859	0.000
400	0.469	10.930	0.000
401	28.564	10.930	0.000
402	6.584	8.790	0.000
403	10.559	8.790	0.000
404	22.924	8.790	0.000
408	30.120	4.859	0.000

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409	31.676	4.859	0.000
410	33.232	4.859	0.000
411	34.788	4.859	0.000
412	36.344	4.859	0.000
413	37.900	4.859	0.000
414	39.456	4.859	0.000
415	41.012	4.859	0.000
417	28.564	5.859	0.000
418	28.564	8.290	0.000
419	28.564	12.365	0.000
421	0.469	12.365	0.000
422	6.580	12.843	0.000
423	6.581	11.887	0.000
430	0.469	1.758	0.000
431	0.469	4.395	0.000
436	6.586	7.038	0.000
441	6.587	5.719	0.000
442	0.469	6.032	0.000
443	24.804	8.790	0.000
444	26.684	8.790	0.000
445	12.059	8.790	0.000
446	13.559	8.790	0.000
447	17.759	8.790	0.000
448	15.759	8.790	0.000
449	21.259	8.790	0.000
450	18.809	8.790	0.000
451	22.924	1.117	0.000
452	22.924	2.213	0.000
454	22.924	4.406	0.000
455	22.924	5.502	0.000
456	22.924	6.598	0.000
466	22.924	2.722	0.000
467	22.924	3.810	0.000
471	28.564	6.650	0.000
472	39.719	13.800	0.000
473	31.799	13.800	0.000
474	10.560	0.009	0.000
475	21.790	0.020	0.000
476	21.789	8.790	0.000

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COLUMN CONNECTIVITY DATA

COLUMN	I END PT	J END PT	I END STORY
C1	208	208	Below
C2	209	209	Below

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C3	210	210	Below
C4	211	211	Below
C9	292	292	Below
C10	293	293	Below
C11	294	294	Below
C12	295	295	Below
C13	299	299	Below
C14	298	298	Below
C15	297	297	Below
C16	296	296	Below
C17	289	289	Below
C18	288	288	Below
C19	291	291	Below
C20	290	290	Below
C22	318	318	Below
C23	322	322	Below
C24	321	321	Below
C25	317	317	Below
C26	319	319	Below
C27	324	324	Below
C28	323	323	Below
C29	320	320	Below
C30	325	325	Below
C31	326	326	Below
C32	327	327	Below
C33	328	328	Below

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BEAM CONNECTIVITY DATA

BEAM	I END PT	J END PT
B445	317	321
B446	321	322
B447	322	318
B448	320	323
B449	323	324
B450	324	319
B451	320	325
B452	325	326
B453	326	317
B454	319	327
B455	327	328
B456	328	318
B504	123	142
B635	210	296
B636	296	297

PY177-v02-ZONA 1-REF VILLA ANGELES-in

B637	297	298
B638	298	299
B639	299	211
B640	211	291
B641	291	290
B642	290	209
B643	210	289
B644	289	288
B645	288	208
B646	208	292
B647	292	293
B648	293	294
B649	294	295
B650	295	209
B702	149	361
B703	361	123
B710	368	369
B711	363	367
B712	142	374
B713	371	376
B724	380	387
B727	389	381
B728	383	382
B729	390	123
B734	381	363
B741	395	391
B747	150	397
B749	361	399
B751	392	401
B757	402	403
B763	362	396
B764	396	398
B765	398	395
B777	399	408
B779	409	410
B781	411	412
B783	413	414
B785	415	390
B789	418	392
B790	417	399
B792	419	391
B793	398	403
B796	362	421
B798	396	422
B804	423	402
B811	430	150
B819	400	394
B831	436	441
B833	442	431

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B834	404	443
B836	444	392
B837	403	445
B839	446	448
B843	447	450
B844	149	451
B849	455	456
B858	452	466
B861	467	454
B866	367	368
B867	369	371
B869	150	430
B870	430	431
B871	431	442
B872	442	394
B873	394	400
B874	400	421
B875	421	362
B877	402	436
B878	441	397
B879	445	446
B892	318	380
B893	471	317
B894	319	472
B895	320	473
B896	403	210
B897	208	474
B898	209	475
B899	211	476
B901	419	401
B902	382	387
B903	389	383
B904	376	374
B905	380	390
B906	414	415
B907	412	413
B908	410	411
B909	408	409
B910	404	456
B911	455	454
B912	452	451
B914	422	423
B916	448	447
B917	450	449
B918	443	444
B919	421	400
B920	394	442
B921	431	430
B922	391	473

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B923	473	472
B924	472	381
B925	397	474
B926	474	475
B927	475	149
B928	449	476
B929	476	404
B930	418	471
B931	471	417
B932	454	467
B933	467	466
B934	466	452
B935	391	419
B936	401	392
B937	392	418
B938	399	361
B939	456	455
B940	451	149
B941	381	389
B942	387	380

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WALL CONNECTIVITY DATA

WALL STORY	POINT 1 PT4 STORY	POINT 2	POINT 3	POINT 4	PT1 STORY	PT2 STORY	PT3
W216	142	123	123	142	Below	Below	Same
W217	361	149	149	361	Below	Below	Same
W218	123	361	361	123	Below	Below	Same
W219	374	142	142	374	Below	Below	Same
W220	369	368	368	369	Below	Below	Same
W221	367	363	363	367	Below	Below	Same
W222	376	371	371	376	Below	Below	Same
W223	387	380	380	387	Below	Below	Same
W224	381	389	389	381	Below	Below	Same
W225	382	383	383	382	Below	Below	Same
W226	123	390	390	123	Below	Below	Same
W227	381	391	391	381	Below	Below	Same
W228	363	381	381	363	Below	Below	Same
W229	391	395	395	391	Below	Below	Same
W230	397	150	150	397	Below	Below	Same
W231	149	397	397	149	Below	Below	Same
W232	399	361	361	399	Below	Below	Same
W233	401	392	392	401	Below	Below	Same
W234	396	362	362	396	Below	Below	Same
W235	398	396	396	398	Below	Below	Same

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W236	395	398	398	395	Below	Below	Same	Same
W237	408	399	399	408	Below	Below	Same	Same
W238	410	409	409	410	Below	Below	Same	Same
W239	412	411	411	412	Below	Below	Same	Same
W240	414	413	413	414	Below	Below	Same	Same
W241	390	415	415	390	Below	Below	Same	Same
W242	392	418	418	392	Below	Below	Same	Same
W243	399	417	417	399	Below	Below	Same	Same
W244	391	419	419	391	Below	Below	Same	Same
W245	403	398	398	403	Below	Below	Same	Same
W246	421	362	362	421	Below	Below	Same	Same
W247	422	396	396	422	Below	Below	Same	Same
W248	402	423	423	402	Below	Below	Same	Same
W249	150	430	430	150	Below	Below	Same	Same
W250	394	400	400	394	Below	Below	Same	Same
W251	441	436	436	441	Below	Below	Same	Same
W252	431	442	442	431	Below	Below	Same	Same
W253	443	404	404	443	Below	Below	Same	Same
W254	392	444	444	392	Below	Below	Same	Same
W255	445	403	403	445	Below	Below	Same	Same
W256	448	446	446	448	Below	Below	Same	Same
W257	404	449	449	404	Below	Below	Same	Same
W258	450	447	447	450	Below	Below	Same	Same
W259	451	149	149	451	Below	Below	Same	Same
W260	456	455	455	456	Below	Below	Same	Same
W261	466	452	452	466	Below	Below	Same	Same
W262	454	467	467	454	Below	Below	Same	Same
W263	123	142	142	123	Below	Below	Same	Same
W264	149	361	361	149	Below	Below	Same	Same
W265	361	123	123	361	Below	Below	Same	Same
W266	142	374	374	142	Below	Below	Same	Same
W267	368	369	369	368	Below	Below	Same	Same
W268	363	367	367	363	Below	Below	Same	Same
W269	371	376	376	371	Below	Below	Same	Same
W270	380	387	387	380	Below	Below	Same	Same
W271	389	381	381	389	Below	Below	Same	Same
W272	383	382	382	383	Below	Below	Same	Same
W273	390	123	123	390	Below	Below	Same	Same
W274	391	381	381	391	Below	Below	Same	Same
W275	381	363	363	381	Below	Below	Same	Same
W276	395	391	391	395	Below	Below	Same	Same
W277	150	397	397	150	Below	Below	Same	Same
W278	397	149	149	397	Below	Below	Same	Same
W279	361	399	399	361	Below	Below	Same	Same
W280	392	401	401	392	Below	Below	Same	Same
W281	362	396	396	362	Below	Below	Same	Same
W282	396	398	398	396	Below	Below	Same	Same
W283	398	395	395	398	Below	Below	Same	Same
W284	399	408	408	399	Below	Below	Same	Same

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W285	409	410	410	409	Below	Below	Same	Same
W286	411	412	412	411	Below	Below	Same	Same
W287	413	414	414	413	Below	Below	Same	Same
W288	415	390	390	415	Below	Below	Same	Same
W289	418	392	392	418	Below	Below	Same	Same
W290	417	399	399	417	Below	Below	Same	Same
W291	419	391	391	419	Below	Below	Same	Same
W292	398	403	403	398	Below	Below	Same	Same
W293	362	421	421	362	Below	Below	Same	Same
W294	396	422	422	396	Below	Below	Same	Same
W295	423	402	402	423	Below	Below	Same	Same
W296	430	150	150	430	Below	Below	Same	Same
W297	400	394	394	400	Below	Below	Same	Same
W298	436	441	441	436	Below	Below	Same	Same
W299	442	431	431	442	Below	Below	Same	Same
W300	404	443	443	404	Below	Below	Same	Same
W301	444	392	392	444	Below	Below	Same	Same
W302	403	445	445	403	Below	Below	Same	Same
W303	446	448	448	446	Below	Below	Same	Same
W304	449	404	404	449	Below	Below	Same	Same
W305	447	450	450	447	Below	Below	Same	Same
W306	149	451	451	149	Below	Below	Same	Same
W307	455	456	456	455	Below	Below	Same	Same
W308	452	466	466	452	Below	Below	Same	Same
W309	467	454	454	467	Below	Below	Same	Same

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GROUP MASS DATA

GROUP NAME	SELF MASS	SELF WEIGHT	TOTAL MASS-X	TOTAL MASS-Y	TOTAL MASS-Z
ALL	1464.2929	14642.929	3399.9920	3399.9920	0.0000

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MATERIAL PROPERTY DATA

MATERIAL NAME	MATERIAL TYPE	DESIGN TYPE	MATERIAL DIR/PLANE	MATERIAL ELASTICITY	MODULUS OF RATIO	POISSON'S COEFF
STEEL	Iso	Steel	All	199947978.80	0.3000	1.1700E-05 76903068.77
CONC	Iso	Concrete	All	24821128.402	0.2000	9.9000E-0610342136.834
OTHER	Iso	None	All	199947978.80	0.3000	1.1700E-05 76903068.77

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TAPIA	Iso	None	All	60200.000	0.2000	9.9000E-06	25083.333
MAMP	Iso	None	All	1895000.000	0.2000	9.9000E-06	789583.333
PESOCERO	Iso	Concrete	All	1.000	0.2000	9.9000E-06	0.417
MADERA	Iso	None	All	5500000.000	0.2000	9.9000E-06	2291666.667

MATERIAL PROPERTY MASS AND WEIGHT

MATERIAL MASS PER WEIGHT PER
NAME UNIT VOL UNIT VOL

STEEL	7.8271E+00	7.6820E+01
CONC	2.4007E+00	2.3562E+01
OTHER	7.8271E+00	7.6820E+01
TAPIA	1.9000E+00	1.9000E+01
MAMP	2.3000E+00	2.3000E+01
PESOCERO	0.0000E+00	0.0000E+00
MADERA	7.0000E-01	7.0000E+00

MATERIAL DESIGN DATA FOR STEEL MATERIALS

MATERIAL STEEL STEEL STEEL
NAME FY FU COST (\$)

STEEL	344737.894	448159.263	271447.16
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MATERIAL DESIGN DATA FOR CONCRETE MATERIALS

MATERIAL LIGHTWEIGHT CONCRETE REBAR REBAR LIGHTWT
NAME CONCRETE FC FY FYS REDUC FACT

CONC	No	27579.032	413685.473	413685.473	N/A
PESOCERO	No	27579.032	413685.470	413685.470	N/A

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FRAME SECTION PROPERTY DATA

MATERIAL SECTION SHAPE NAME OR NAME CONC CONC
FRAME SECTION NAME NAME IN SECTION DATABASE FILE COL
BEAM

COLM-18X18	MADERA	Rectangular
VGM-18X18I	MADERA	Rectangular
VGM-18X18	MADERA	Rectangular

FRAME SECTION PROPERTY DATA

SECTION FRAME SECTION NAME WIDTH BOT THICK BOT	FLANGE DEPTH	FLANGE WIDTH TOP	WEB THICK TOP	FLANGE THICK	FLANGE THICK
COLM-18X18	0.1800	0.1800	0.0000	0.0000	0.0000
VGM-18X18I	0.1800	0.1800	0.0000	0.0000	0.0000
VGM-18X18	0.1800	0.1800	0.0000	0.0000	0.0000

FRAME SECTION PROPERTY DATA

SECTION FRAME SECTION NAME A3	TORSIONAL AREA	MOMENTS OF INERTIA CONSTANT	I33	I22	SHEAR A2
COLM-18X18	0.0324	0.0001	0.0001	0.0001	0.0270
VGM-18X18I	0.0324	0.0001	0.0001	0.0001	0.0270
VGM-18X18	0.0324	0.0001	0.0001	0.0001	0.0270

FRAME SECTION PROPERTY DATA

SECTION FRAME SECTION NAME	MODULI S33	PLASTIC MODULI S22	Z33	Z22	RADIUS OF R33	R22
COLM-18X18	0.0010	0.0010	0.0015	0.0015	0.0520	0.0520
VGM-18X18I	0.0010	0.0010	0.0015	0.0015	0.0520	0.0520
VGM-18X18	0.0010	0.0010	0.0015	0.0015	0.0520	0.0520

FRAME SECTION WEIGHTS AND MASSES

SECTION FRAME SECTION NAME	TOTAL WEIGHT	TOTAL MASS
COLM-18X18	52.7083	5.2708
VGM-18X18I	0.0000	0.0000
VGM-18X18	126.8171	12.6817

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STATIC LOAD CASES

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STATIC CASE	CASE TYPE	AUTO LOAD	LAT SELF WT MULTIPLIER	NOTIONAL FACTOR	NOTIONAL DIRECTION
DEAD	DEAD	N/A	1.0000		
LIVE	LIVE	N/A	0.0000		
PP	DEAD	N/A	0.0000		
LR	LIVE	N/A	0.0000		

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RESPONSE SPECTRUM CASES

RESP SPEC CASE: SYDIS

BASIC RESPONSE SPECTRUM DATA

MODAL COMBO	DIRECTION COMBO	MODAL DAMPING	SPECTRUM ANGLE	TYPICAL ECCEN
CQC	SRSS	0.0500	0.0200	0.0500

RESPONSE SPECTRUM FUNCTION ASSIGNMENT DATA

DIRECTION FUNCTION SCALE FACT

U1	----	N/A
U2	SISMO	42.9300
UZ	----	N/A

RESP SPEC CASE: SXDIS

BASIC RESPONSE SPECTRUM DATA

MODAL COMBO	DIRECTION COMBO	MODAL DAMPING	SPECTRUM ANGLE	TYPICAL ECCEN
CQC	SRSS	0.0500	0.0200	0.0500

RESPONSE SPECTRUM FUNCTION ASSIGNMENT DATA

DIRECTION FUNCTION SCALE FACT

U1	SISMO	42.9300
U2	----	N/A
UZ	----	N/A



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LOADING COMBINATIONS

COMBO	COMBO TYPE	CASE	CASE TYPE	SCALE FACTOR
DEADTOTAL	ADD	DEAD	Static	1.0000
	PP	Static	1.0000	

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SUPPORT REACTIONS

STORY	POINT	LOAD	FX	FY	FZ	MX	MY	MZ
BASE	23	SYDIS	0.00	0.00	0.00	0.000	0.000	0.000
BASE	23	SXDIS	0.00	0.00	0.00	0.000	0.000	0.000
BASE	23	DEADTOTAL	0.00	0.00	0.00	0.000	0.000	0.000
BASE	208	SYDIS	3.57	4.67	136.54	0.000	0.000	0.000
BASE	208	SXDIS	5.73	1.20	36.22	0.000	0.000	0.000
BASE	208	DEADTOTAL	0.03	-0.53	106.52	0.000	0.000	0.000
BASE	209	SYDIS	3.62	8.99	98.27	0.000	0.000	0.000
BASE	209	SXDIS	5.58	3.09	39.82	0.000	0.000	0.000
BASE	209	DEADTOTAL	-0.02	-0.40	74.60	0.000	0.000	0.000
BASE	210	SYDIS	7.16	5.91	125.68	0.000	0.000	0.000
BASE	210	SXDIS	14.42	1.84	123.75	0.000	0.000	0.000
BASE	210	DEADTOTAL	0.09	0.25	70.52	0.000	0.000	0.000
BASE	211	SYDIS	7.14	9.95	40.83	0.000	0.000	0.000
BASE	211	SXDIS	14.59	3.69	42.00	0.000	0.000	0.000
BASE	211	DEADTOTAL	-0.06	0.16	54.24	0.000	0.000	0.000
BASE	288	SYDIS	8.70	4.20	9.73	0.000	0.000	0.000
BASE	288	SXDIS	13.08	1.07	9.50	0.000	0.000	0.000
BASE	288	DEADTOTAL	0.01	0.11	47.19	0.000	0.000	0.000
BASE	289	SYDIS	9.97	3.99	33.92	0.000	0.000	0.000
BASE	289	SXDIS	15.44	1.01	16.01	0.000	0.000	0.000
BASE	289	DEADTOTAL	0.01	0.01	49.67	0.000	0.000	0.000
BASE	290	SYDIS	7.42	9.77	18.80	0.000	0.000	0.000
BASE	290	SXDIS	10.78	3.20	10.58	0.000	0.000	0.000

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BASE	290	DEADTOTAL	-0.01	0.02	37.29	0.000	0.000	0.000
BASE	291	SYDIS	8.54	9.62	9.80	0.000	0.000	0.000
BASE	291	SXDIS	13.45	3.18	29.02	0.000	0.000	0.000
BASE	291	DEADTOTAL	-0.01	-0.04	38.76	0.000	0.000	0.000
BASE	292	SYDIS	4.38	7.67	4.22	0.000	0.000	0.000
BASE	292	SXDIS	6.83	12.84	6.23	0.000	0.000	0.000
BASE	292	DEADTOTAL	-0.03	-0.08	25.05	0.000	0.000	0.000
BASE	293	SYDIS	4.26	16.13	0.89	0.000	0.000	0.000
BASE	293	SXDIS	6.63	12.58	1.21	0.000	0.000	0.000
BASE	293	DEADTOTAL	0.01	-0.03	23.02	0.000	0.000	0.000
BASE	294	SYDIS	4.27	17.84	0.71	0.000	0.000	0.000
BASE	294	SXDIS	6.61	12.93	1.17	0.000	0.000	0.000
BASE	294	DEADTOTAL	0.01	-0.02	22.76	0.000	0.000	0.000
BASE	295	SYDIS	4.42	10.99	4.21	0.000	0.000	0.000
BASE	295	SXDIS	6.79	12.46	7.42	0.000	0.000	0.000
BASE	295	DEADTOTAL	0.03	-0.05	28.53	0.000	0.000	0.000
BASE	296	SYDIS	8.46	11.59	5.79	0.000	0.000	0.000
BASE	296	SXDIS	18.02	7.24	16.00	0.000	0.000	0.000
BASE	296	DEADTOTAL	-0.02	0.03	44.68	0.000	0.000	0.000
BASE	297	SYDIS	8.26	21.23	1.21	0.000	0.000	0.000
BASE	297	SXDIS	17.54	7.38	3.10	0.000	0.000	0.000
BASE	297	DEADTOTAL	0.01	0.01	42.93	0.000	0.000	0.000
BASE	298	SYDIS	8.25	20.94	1.26	0.000	0.000	0.000
BASE	298	SXDIS	17.52	7.52	3.76	0.000	0.000	0.000
BASE	298	DEADTOTAL	0.00	0.01	42.74	0.000	0.000	0.000
BASE	299	SYDIS	8.47	10.43	7.74	0.000	0.000	0.000
BASE	299	SXDIS	18.06	7.13	23.78	0.000	0.000	0.000
BASE	299	DEADTOTAL	0.02	0.02	46.61	0.000	0.000	0.000
BASE	317	SYDIS	3.74	11.05	85.60	0.000	0.000	0.000
BASE	317	SXDIS	8.61	7.05	43.69	0.000	0.000	0.000
BASE	317	DEADTOTAL	-0.15	0.13	27.61	0.000	0.000	0.000
BASE	318	SYDIS	4.09	10.27	137.94	0.000	0.000	0.000
BASE	318	SXDIS	9.88	3.84	36.73	0.000	0.000	0.000
BASE	318	DEADTOTAL	0.14	0.12	28.23	0.000	0.000	0.000
BASE	319	SYDIS	0.58	13.50	150.70	0.000	0.000	0.000
BASE	319	SXDIS	1.82	5.21	141.39	0.000	0.000	0.000
BASE	319	DEADTOTAL	-0.07	0.32	77.02	0.000	0.000	0.000

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BASE	320	SYDIS	0.69	13.76	149.17	0.000	0.000	0.000
BASE	320	SXDIS	1.83	7.78	66.52	0.000	0.000	0.000
BASE	320	DEADTOTAL	0.06	0.34	77.55	0.000	0.000	0.000
BASE	321	SYDIS	3.59	33.06	9.97	0.000	0.000	0.000
BASE	321	SXDIS	9.46	10.79	4.65	0.000	0.000	0.000
BASE	321	DEADTOTAL	0.02	0.03	29.81	0.000	0.000	0.000
BASE	322	SYDIS	3.78	33.52	10.95	0.000	0.000	0.000
BASE	322	SXDIS	9.44	11.26	4.07	0.000	0.000	0.000
BASE	322	DEADTOTAL	-0.02	0.03	29.73	0.000	0.000	0.000
BASE	323	SYDIS	0.58	10.64	2.55	0.000	0.000	0.000
BASE	323	SXDIS	2.07	6.07	3.58	0.000	0.000	0.000
BASE	323	DEADTOTAL	-0.04	0.06	34.87	0.000	0.000	0.000
BASE	324	SYDIS	0.71	10.87	2.63	0.000	0.000	0.000
BASE	324	SXDIS	2.10	7.74	4.52	0.000	0.000	0.000
BASE	324	DEADTOTAL	0.02	0.06	34.85	0.000	0.000	0.000
BASE	325	SYDIS	9.34	14.32	17.02	0.000	0.000	0.000
BASE	325	SXDIS	7.01	7.72	6.14	0.000	0.000	0.000
BASE	325	DEADTOTAL	0.01	-0.03	51.17	0.000	0.000	0.000
BASE	326	SYDIS	12.38	14.93	29.91	0.000	0.000	0.000
BASE	326	SXDIS	7.96	7.95	9.66	0.000	0.000	0.000
BASE	326	DEADTOTAL	-0.01	-0.01	55.90	0.000	0.000	0.000
BASE	327	SYDIS	12.81	14.34	20.78	0.000	0.000	0.000
BASE	327	SXDIS	7.30	4.73	9.16	0.000	0.000	0.000
BASE	327	DEADTOTAL	-0.01	-0.02	51.26	0.000	0.000	0.000
BASE	328	SYDIS	16.40	15.01	35.47	0.000	0.000	0.000
BASE	328	SXDIS	7.21	4.99	11.37	0.000	0.000	0.000
BASE	328	DEADTOTAL	0.02	0.00	55.72	0.000	0.000	0.000
BASE	142	SYDIS	223.60	363.10	1521.93	0.000	0.000	0.000
BASE	142	SXDIS	624.63	239.84	956.95	0.000	0.000	0.000
BASE	142	DEADTOTAL	-18.08	30.12	249.16	0.000	0.000	0.000
0.000								
BASE	123	SYDIS	306.70	1122.75	3780.03	0.000	0.000	0.000
BASE	123	SXDIS	2467.92	395.97	971.47	0.000	0.000	0.000
BASE	123	DEADTOTAL	-21.01	37.66	751.42	0.000	0.000	0.000
0.000								
BASE	361	SYDIS	305.06	1705.94	4467.79	0.000	0.000	0.000
BASE	361	SXDIS	2670.68	469.45	1073.95	0.000	0.000	0.000

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BASE 0.000	361	DEADTOTAL	17.26	47.34	878.17	0.000	0.000	
BASE 0.000	149	SYDIS	269.06	299.53	2677.03	0.000	0.000	0.000
BASE 0.000	149	SXDIS	2713.28	98.20	1020.68	0.000	0.000	0.000
BASE 0.000	149	DEADTOTAL	7.59	29.74	608.82	0.000	0.000	
BASE 0.000	374	SYDIS	69.52	319.25	768.15	0.000	0.000	0.000
BASE 0.000	374	SXDIS	176.82	271.20	758.41	0.000	0.000	0.000
BASE 0.000	374	DEADTOTAL	-6.31	-24.71	100.72	0.000	0.000	
BASE 0.000	369	SYDIS	41.10	675.77	1509.08	0.000	0.000	0.000
BASE 0.000	369	SXDIS	99.70	132.05	284.17	0.000	0.000	0.000
BASE 0.000	369	DEADTOTAL	-0.11	32.89	172.98	0.000	0.000	
BASE 0.000	368	SYDIS	48.69	525.83	819.49	0.000	0.000	0.000
BASE 0.000	368	SXDIS	81.24	125.07	158.04	0.000	0.000	0.000
BASE 0.000	368	DEADTOTAL	0.10	-31.67	168.53	0.000	0.000	
BASE 0.000	367	SYDIS	16.91	665.87	1342.86	0.000	0.000	0.000
BASE 0.000	367	SXDIS	86.52	216.25	489.30	0.000	0.000	0.000
BASE 0.000	367	DEADTOTAL	-0.05	22.49	130.41	0.000	0.000	
BASE 0.000	363	SYDIS	248.63	644.99	2098.68	0.000	0.000	0.000
BASE 0.000	363	SXDIS	1023.61	126.42	1655.51	0.000	0.000	0.000
BASE 0.000	363	DEADTOTAL	-27.38	-32.81	397.54	0.000	0.000	
BASE 0.000	376	SYDIS	33.40	68.19	540.87	0.000	0.000	0.000
BASE 0.000	376	SXDIS	180.46	42.91	149.61	0.000	0.000	0.000
BASE 0.000	376	DEADTOTAL	0.02	34.03	64.48	0.000	0.000	0.000
BASE 0.000	371	SYDIS	33.09	260.27	814.37	0.000	0.000	0.000
BASE 0.000	371	SXDIS	184.04	57.77	153.60	0.000	0.000	0.000
BASE 0.000	371	DEADTOTAL	-0.05	-31.58	54.90	0.000	0.000	0.000
BASE 0.000	387	SYDIS	157.02	522.00	1013.07	0.000	0.000	0.000
BASE 0.000	387	SXDIS	115.44	128.29	246.43	0.000	0.000	0.000
BASE 0.000	387	DEADTOTAL	0.01	-35.97	154.08	0.000	0.000	
BASE 0.000	380	SYDIS	123.87	739.35	1644.65	0.000	0.000	0.000
BASE 0.000	380	SXDIS	95.15	177.07	398.79	0.000	0.000	0.000
BASE 0.000	380	DEADTOTAL	0.06	34.09	153.92	0.000	0.000	

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0.000

BASE	381	SYDIS	556.55	498.24	3266.24	0.000	0.000	0.000
BASE	381	SXDIS	3646.72	111.99	797.40	0.000	0.000	0.000
BASE	381	DEADTOTAL	-15.18	-27.77	985.40	0.000	0.000	

0.000

BASE	389	SYDIS	68.67	565.46	1917.79	0.000	0.000	0.000
BASE	389	SXDIS	38.88	134.04	429.36	0.000	0.000	0.000
BASE	389	DEADTOTAL	0.01	17.71	47.01	0.000	0.000	0.000

BASE	382	SYDIS	129.98	277.03	962.64	0.000	0.000	0.000
BASE	382	SXDIS	135.44	66.72	227.40	0.000	0.000	0.000
BASE	382	DEADTOTAL	0.07	32.66	62.07	0.000	0.000	0.000

BASE	383	SYDIS	109.43	309.24	1173.28	0.000	0.000	0.000
BASE	383	SXDIS	123.24	77.28	279.43	0.000	0.000	0.000
BASE	383	DEADTOTAL	-0.07	-33.55	64.98	0.000	0.000	0.000

BASE	390	SYDIS	217.06	1293.63	2640.31	0.000	0.000	0.000
BASE	390	SXDIS	232.24	306.87	1063.45	0.000	0.000	0.000
BASE	390	DEADTOTAL	-31.78	-28.89	284.82	0.000	0.000	

0.000

BASE	391	SYDIS	415.99	438.08	2405.74	0.000	0.000	0.000
BASE	391	SXDIS	3866.92	106.91	639.43	0.000	0.000	0.000
BASE	391	DEADTOTAL	-34.34	-32.03	1086.39	0.000	0.000	

0.000

BASE	395	SYDIS	392.40	476.96	726.30	0.000	0.000	0.000
BASE	395	SXDIS	4182.09	31.54	546.54	0.000	0.000	0.000
BASE	395	DEADTOTAL	-24.39	-0.38	1275.81	0.000	0.000	

0.000

BASE	397	SYDIS	401.45	14.12	878.99	0.000	0.000	0.000
BASE	397	SXDIS	2630.20	4.05	260.38	0.000	0.000	0.000
BASE	397	DEADTOTAL	2.56	3.52	589.95	0.000	0.000	0.000

BASE	150	SYDIS	208.57	329.93	1862.03	0.000	0.000	0.000
BASE	150	SXDIS	819.83	82.45	933.66	0.000	0.000	0.000
BASE	150	DEADTOTAL	18.86	50.31	335.35	0.000	0.000	

0.000

BASE	399	SYDIS	199.68	1666.41	1965.45	0.000	0.000	0.000
BASE	399	SXDIS	254.86	414.24	1405.54	0.000	0.000	0.000
BASE	399	DEADTOTAL	30.75	9.10	465.94	0.000	0.000	

0.000

BASE	401	SYDIS	94.95	587.45	1437.74	0.000	0.000	0.000
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BASE	401	SXDIS	99.96	208.92	512.04	0.000	0.000	0.000
BASE	401	DEADTOTAL	-0.20	-40.30	149.80	0.000	0.000	
0.000								
BASE	392	SYDIS	106.35	387.68	358.69	0.000	0.000	0.000
BASE	392	SXDIS	360.54	201.47	1241.48	0.000	0.000	0.000
BASE	392	DEADTOTAL	-41.27	-3.79	317.21	0.000	0.000	
0.000								
BASE	396	SYDIS	500.92	961.50	5643.39	0.000	0.000	0.000
BASE	396	SXDIS	2388.93	110.95	746.39	0.000	0.000	0.000
BASE	396	DEADTOTAL	26.27	-25.22	778.60	0.000	0.000	
0.000								
BASE	362	SYDIS	362.46	598.99	4092.63	0.000	0.000	0.000
BASE	362	SXDIS	1480.48	131.79	2064.18	0.000	0.000	0.000
BASE	362	DEADTOTAL	48.81	-41.59	567.53	0.000	0.000	
0.000								
BASE	398	SYDIS	428.10	2026.08	3834.98	0.000	0.000	0.000
BASE	398	SXDIS	4038.41	511.05	873.17	0.000	0.000	0.000
BASE	398	DEADTOTAL	26.39	-28.28	1495.03	0.000	0.000	
0.000								
BASE	408	SYDIS	330.45	24.04	804.02	0.000	0.000	0.000
BASE	408	SXDIS	385.41	40.85	1074.57	0.000	0.000	0.000
BASE	408	DEADTOTAL	-24.94	0.02	70.38	0.000	0.000	0.000
BASE	410	SYDIS	128.76	129.57	355.15	0.000	0.000	0.000
BASE	410	SXDIS	254.91	38.02	695.97	0.000	0.000	0.000
BASE	410	DEADTOTAL	-31.98	0.01	86.28	0.000	0.000	0.000
BASE	409	SYDIS	107.38	116.95	321.57	0.000	0.000	0.000
BASE	409	SXDIS	202.28	31.41	654.67	0.000	0.000	0.000
BASE	409	DEADTOTAL	32.89	-0.01	88.37	0.000	0.000	0.000
BASE	412	SYDIS	114.93	89.42	335.54	0.000	0.000	0.000
BASE	412	SXDIS	236.09	103.92	668.69	0.000	0.000	0.000
BASE	412	DEADTOTAL	-33.17	0.01	89.16	0.000	0.000	0.000
BASE	411	SYDIS	111.45	90.22	334.06	0.000	0.000	0.000
BASE	411	SXDIS	215.25	104.30	667.10	0.000	0.000	0.000
BASE	411	DEADTOTAL	32.93	-0.01	88.34	0.000	0.000	0.000
BASE	414	SYDIS	112.43	116.06	328.16	0.000	0.000	0.000
BASE	414	SXDIS	217.08	31.13	639.23	0.000	0.000	0.000
BASE	414	DEADTOTAL	-33.31	0.02	89.60	0.000	0.000	0.000
BASE	413	SYDIS	124.83	128.03	355.41	0.000	0.000	0.000

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BASE	413	SXDIS	225.93	37.67	675.82	0.000	0.000	0.000
BASE	413	DEADTOTAL	31.94	-0.01	85.95	0.000	0.000	0.000
BASE	415	SYDIS	398.67	11.70	932.49	0.000	0.000	0.000
BASE	415	SXDIS	331.04	22.67	919.48	0.000	0.000	0.000
BASE	415	DEADTOTAL	26.16	-0.01	72.84	0.000	0.000	0.000
BASE	418	SYDIS	139.51	379.59	1378.30	0.000	0.000	0.000
BASE	418	SXDIS	110.35	217.80	376.27	0.000	0.000	0.000
BASE	418	DEADTOTAL	-0.02	37.94	30.45	0.000	0.000	0.000
BASE	417	SYDIS	73.70	675.65	1939.12	0.000	0.000	0.000
BASE	417	SXDIS	75.59	231.37	566.26	0.000	0.000	0.000
BASE	417	DEADTOTAL	0.17	-36.47	66.16	0.000	0.000	0.000
BASE	419	SYDIS	160.94	592.38	1857.01	0.000	0.000	0.000
BASE	419	SXDIS	44.14	162.60	452.59	0.000	0.000	0.000
BASE	419	DEADTOTAL	-0.14	21.71	60.32	0.000	0.000	0.000
BASE	403	SYDIS	229.53	2040.53	3452.50	0.000	0.000	0.000
BASE	403	SXDIS	275.45	474.35	2002.73	0.000	0.000	0.000
BASE	403	DEADTOTAL	40.00	33.86	416.54	0.000	0.000	0.000
0.000								
BASE	421	SYDIS	143.19	725.11	2821.76	0.000	0.000	0.000
BASE	421	SXDIS	99.98	190.62	497.27	0.000	0.000	0.000
BASE	421	DEADTOTAL	1.41	29.97	90.22	0.000	0.000	0.000
BASE	422	SYDIS	72.80	404.59	3245.10	0.000	0.000	0.000
BASE	422	SXDIS	208.65	35.68	187.33	0.000	0.000	0.000
BASE	422	DEADTOTAL	-0.23	23.66	53.42	0.000	0.000	0.000
BASE	402	SYDIS	20.20	1356.22	3228.90	0.000	0.000	0.000
BASE	402	SXDIS	90.44	88.58	205.38	0.000	0.000	0.000
BASE	402	DEADTOTAL	0.11	43.65	248.79	0.000	0.000	0.000
0.000								
BASE	423	SYDIS	23.11	1115.71	1496.06	0.000	0.000	0.000
BASE	423	SXDIS	133.12	65.62	94.96	0.000	0.000	0.000
BASE	423	DEADTOTAL	0.03	-39.93	214.94	0.000	0.000	0.000
0.000								
BASE	430	SYDIS	228.89	657.10	2018.73	0.000	0.000	0.000
BASE	430	SXDIS	599.20	169.58	432.06	0.000	0.000	0.000
BASE	430	DEADTOTAL	-0.35	-37.98	133.34	0.000	0.000	0.000
0.000								
BASE	394	SYDIS	82.09	791.02	2422.18	0.000	0.000	0.000
BASE	394	SXDIS	515.30	112.20	284.94	0.000	0.000	0.000

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BASE 0.000	394	DEADTOTAL	-0.16	47.88	196.66	0.000	0.000	
BASE 0.000	400	SYDIS	62.79	464.18	1299.84	0.000	0.000	0.000
BASE 0.000	400	SXDIS	496.29	69.82	179.13	0.000	0.000	0.000
BASE 0.000	400	DEADTOTAL	0.32	-49.47	191.94	0.000	0.000	
BASE 0.000	441	SYDIS	111.11	368.60	1335.96	0.000	0.000	0.000
BASE 0.000	441	SXDIS	462.62	25.41	82.02	0.000	0.000	0.000
BASE 0.000	441	DEADTOTAL	-0.01	62.77	140.02	0.000	0.000	
BASE 0.000	436	SYDIS	82.72	318.74	711.03	0.000	0.000	0.000
BASE 0.000	436	SXDIS	385.61	14.92	38.70	0.000	0.000	0.000
BASE 0.000	436	DEADTOTAL	0.09	-76.06	168.31	0.000	0.000	
BASE 0.000	431	SYDIS	235.36	337.00	1221.67	0.000	0.000	0.000
BASE 0.000	431	SXDIS	382.40	50.83	151.90	0.000	0.000	0.000
BASE 0.000	431	DEADTOTAL	-0.32	54.34	165.21	0.000	0.000	
BASE 0.000	442	SYDIS	180.82	325.13	1250.34	0.000	0.000	0.000
BASE 0.000	442	SXDIS	419.06	45.20	154.72	0.000	0.000	0.000
BASE 0.000	442	DEADTOTAL	0.34	-51.39	154.03	0.000	0.000	
BASE 0.000	443	SYDIS	150.39	152.95	401.79	0.000	0.000	0.000
BASE 0.000	443	SXDIS	606.41	60.15	1577.04	0.000	0.000	0.000
BASE 0.000	443	DEADTOTAL	-41.29	-0.05	137.40	0.000	0.000	
BASE 0.000	404	SYDIS	87.52	27.42	180.47	0.000	0.000	0.000
BASE 0.000	404	SXDIS	313.59	12.22	187.91	0.000	0.000	0.000
BASE 0.000	404	DEADTOTAL	-1.39	-0.37	250.11	0.000	0.000	0.000
BASE 0.000	444	SYDIS	259.70	88.50	616.57	0.000	0.000	0.000
BASE 0.000	444	SXDIS	470.42	94.97	1260.41	0.000	0.000	0.000
BASE 0.000	444	DEADTOTAL	34.22	-0.16	122.09	0.000	0.000	
BASE 0.000	445	SYDIS	415.08	77.22	936.31	0.000	0.000	0.000
BASE 0.000	445	SXDIS	441.60	40.54	1175.09	0.000	0.000	0.000
BASE 0.000	445	DEADTOTAL	-34.99	0.10	96.03	0.000	0.000	0.000
BASE 0.000	448	SYDIS	125.05	314.80	300.51	0.000	0.000	0.000
BASE 0.000	448	SXDIS	489.83	101.54	1226.12	0.000	0.000	0.000
BASE 0.000	448	DEADTOTAL	-38.10	-0.29	154.62	0.000	0.000	

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0.000

BASE	446	SYDIS	77.81	281.07	212.85	0.000	0.000	0.000
BASE	446	SXDIS	317.48	95.32	871.21	0.000	0.000	0.000
BASE	446	DEADTOTAL	41.56	0.30	160.02	0.000	0.000	

0.000

BASE	449	SYDIS	147.84	144.77	388.39	0.000	0.000	0.000
BASE	449	SXDIS	610.64	74.88	1664.72	0.000	0.000	0.000
BASE	449	DEADTOTAL	39.05	0.16	116.65	0.000	0.000	

0.000

BASE	450	SYDIS	39.86	271.87	120.14	0.000	0.000	0.000
BASE	450	SXDIS	160.46	74.80	517.37	0.000	0.000	0.000
BASE	450	DEADTOTAL	-45.90	-0.35	83.56	0.000	0.000	0.000

BASE	447	SYDIS	20.78	294.14	100.41	0.000	0.000	0.000
BASE	447	SXDIS	60.18	80.14	425.05	0.000	0.000	0.000
BASE	447	DEADTOTAL	46.84	0.37	86.73	0.000	0.000	0.000

BASE	451	SYDIS	117.96	510.69	1660.63	0.000	0.000	0.000
BASE	451	SXDIS	114.41	209.51	604.27	0.000	0.000	0.000
BASE	451	DEADTOTAL	-0.32	-28.59	61.32	0.000	0.000	0.000

BASE	456	SYDIS	74.74	459.34	1451.50	0.000	0.000	0.000
BASE	456	SXDIS	165.06	180.28	501.79	0.000	0.000	0.000
BASE	456	DEADTOTAL	0.02	-42.13	83.17	0.000	0.000	0.000

BASE	455	SYDIS	73.96	217.25	847.78	0.000	0.000	0.000
BASE	455	SXDIS	185.76	70.07	276.76	0.000	0.000	0.000
BASE	455	DEADTOTAL	-0.03	42.80	84.06	0.000	0.000	0.000

BASE	466	SYDIS	60.41	270.74	1569.35	0.000	0.000	0.000
BASE	466	SXDIS	271.57	121.93	558.57	0.000	0.000	0.000
BASE	466	DEADTOTAL	-0.06	-37.70	33.52	0.000	0.000	0.000

BASE	452	SYDIS	58.85	137.49	1468.04	0.000	0.000	0.000
BASE	452	SXDIS	262.57	48.96	522.24	0.000	0.000	0.000
BASE	452	DEADTOTAL	0.05	38.18	36.85	0.000	0.000	0.000

BASE	454	SYDIS	99.95	241.85	1479.32	0.000	0.000	0.000
BASE	454	SXDIS	202.66	109.52	513.48	0.000	0.000	0.000
BASE	454	DEADTOTAL	0.01	-41.14	45.62	0.000	0.000	0.000

BASE	467	SYDIS	100.34	214.14	1418.37	0.000	0.000	0.000
BASE	467	SXDIS	197.59	68.21	490.27	0.000	0.000	0.000
BASE	467	DEADTOTAL	-0.01	40.68	42.40	0.000	0.000	0.000

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Summation 0, 0, Base SYDIS 11430.68 33674.56 103913.79
 819364.092-2321647.489 694121.300
 Summation 0, 0, Base SXDIS 46320.41 8971.83 45121.94
 335819.568-1149080.351 -144429.601
 Summation 0, 0, Base DEADTOTAL 0.00 0.00 18295.28 153867.577
 -424088.147 0.000

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MODAL PERIODS AND FREQUENCIES

MODE NUMBER	PERIOD (TIME)	FREQUENCY (CYCLES/TIME)	CIRCULAR FREQ (RADIANS/TIME)
Mode 1	3.38848	0.29512	1.85428
Mode 2	2.93589	0.34061	2.14013
Mode 3	2.56170	0.39037	2.45274
Mode 4	2.42104	0.41305	2.59524
Mode 5	2.17493	0.45979	2.88892
Mode 6	1.73401	0.57670	3.62349
Mode 7	1.66323	0.60124	3.77771
Mode 8	1.59447	0.62717	3.94060
Mode 9	1.48482	0.67348	4.23161
Mode 10	1.46125	0.68435	4.29987
Mode 11	1.40850	0.70998	4.46092
Mode 12	1.36027	0.73515	4.61906
Mode 13	1.31156	0.76245	4.79063
Mode 14	1.30608	0.76565	4.81073
Mode 15	1.27919	0.78174	4.91183
Mode 16	1.26490	0.79057	4.96733
Mode 17	1.24626	0.80240	5.04165
Mode 18	1.23525	0.80955	5.08657
Mode 19	1.19260	0.83850	5.26847
Mode 20	1.16873	0.85563	5.37609
Mode 21	1.12866	0.88601	5.56694
Mode 22	1.09916	0.90978	5.71635
Mode 23	1.08151	0.92463	5.80964
Mode 24	1.04848	0.95376	5.99266
Mode 25	1.01653	0.98374	6.18102
Mode 26	1.00839	0.99168	6.23090
Mode 27	0.98682	1.01335	6.36709
Mode 28	0.97489	1.02576	6.44505
Mode 29	0.94940	1.05329	6.61804
Mode 30	0.94094	1.06277	6.67757
Mode 31	0.93264	1.07223	6.73702
Mode 32	0.87830	1.13857	7.15382

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Mode 33	0.86196	1.16015	7.28944
Mode 34	0.82177	1.21689	7.64595
Mode 35	0.80613	1.24050	7.79431
Mode 36	0.79589	1.25646	7.89456
Mode 37	0.78456	1.27460	8.00857
Mode 38	0.78265	1.27771	8.02807
Mode 39	0.78136	1.27981	8.04130
Mode 40	0.77271	1.29415	8.13136
Mode 41	0.77130	1.29651	8.14623
Mode 42	0.72910	1.37155	8.61768
Mode 43	0.71179	1.40490	8.82726
Mode 44	0.69016	1.44894	9.10396
Mode 45	0.66533	1.50301	9.44369
Mode 46	0.65885	1.51780	9.53663
Mode 47	0.65356	1.53009	9.61382
Mode 48	0.64752	1.54435	9.70347
Mode 49	0.64347	1.55408	9.76455
Mode 50	0.62950	1.58857	9.98126
Mode 51	0.61683	1.62118	10.18618
Mode 52	0.59870	1.67030	10.49480
Mode 53	0.57912	1.72677	10.84961
Mode 54	0.57372	1.74301	10.95164
Mode 55	0.55894	1.78910	11.24124
Mode 56	0.54723	1.82738	11.48174
Mode 57	0.53797	1.85885	11.67949
Mode 58	0.53134	1.88204	11.82523
Mode 59	0.52644	1.89955	11.93524
Mode 60	0.52393	1.90865	11.99237
Mode 61	0.50746	1.97059	12.38160
Mode 62	0.50210	1.99163	12.51378
Mode 63	0.50015	1.99940	12.56259
Mode 64	0.49711	2.01164	12.63951
Mode 65	0.49367	2.02565	12.72753
Mode 66	0.48412	2.06562	12.97869
Mode 67	0.48293	2.07067	13.01042
Mode 68	0.47827	2.09085	13.13722
Mode 69	0.47318	2.11336	13.27860
Mode 70	0.47027	2.12645	13.36090
Mode 71	0.46590	2.14640	13.48620
Mode 72	0.46022	2.17285	13.65244
Mode 73	0.44922	2.22610	13.98701
Mode 74	0.43932	2.27625	14.30211
Mode 75	0.43694	2.28863	14.37989
Mode 76	0.42993	2.32597	14.61452
Mode 77	0.42116	2.37437	14.91859
Mode 78	0.41220	2.42601	15.24310
Mode 79	0.39929	2.50441	15.73570
Mode 80	0.39355	2.54099	15.96552
Mode 81	0.39181	2.55227	16.03638

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Mode 82	0.39000	2.56409	16.11065
Mode 83	0.38843	2.57447	16.17589
Mode 84	0.38554	2.59373	16.29691
Mode 85	0.37507	2.66619	16.75214
Mode 86	0.36979	2.70423	16.99119
Mode 87	0.36683	2.72603	17.12815
Mode 88	0.36004	2.77750	17.45155
Mode 89	0.35963	2.78060	17.47106
Mode 90	0.35473	2.81908	17.71278
Mode 91	0.35010	2.85633	17.94684
Mode 92	0.34605	2.88975	18.15686
Mode 93	0.34216	2.92260	18.36324
Mode 94	0.33778	2.96047	18.60120
Mode 95	0.33525	2.98286	18.74189
Mode 96	0.33410	2.99313	18.80641
Mode 97	0.33259	3.00667	18.89146
Mode 98	0.32934	3.03639	19.07821
Mode 99	0.32501	3.07684	19.33235
Mode 100	0.32200	3.10559	19.51297

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MODAL PARTICIPATION FACTORS

MODE	UX	UY	UZ	RX	RY	RZ
Mode 1	-0.4508	12.6382	0.0000	-78.0312	-2.8100	-3.8962
Mode 2	0.0200	9.4457	0.0000	-56.2798	0.2491	123.2891
Mode 3	10.4606	-0.1044	0.0000	0.7005	63.8251	19.8905
Mode 4	-9.0764	0.0522	0.0000	-0.2369	-55.8847	-4.3039
Mode 5	-2.1201	-13.5476	0.0000	83.2118	-13.2683	73.1118
Mode 6	-1.8058	7.0641	0.0000	-42.0455	-11.3361	-22.8960
Mode 7	0.1675	-1.7166	0.0000	-10.8749	0.8269	-18.7689
Mode 8	-17.5516	0.6279	0.0000	-4.6108	-106.6513	-12.2362
Mode 9	-1.5422	9.1076	0.0000	-64.4390	-10.7196	28.5441
Mode 10	0.1486	-7.5129	0.0000	17.0677	0.7247	6.7167
Mode 11	-11.3566	1.2260	0.0000	-7.1546	-69.6011	-59.5064
Mode 12	-7.8233	-2.0189	0.0000	13.5596	-50.7265	-35.1974
Mode 13	1.3675	-9.2797	0.0000	56.6363	9.0545	263.5573
Mode 14	1.1339	-10.7787	0.0000	71.9846	7.5163	195.5235
Mode 15	-7.1553	-6.5993	0.0000	44.1037	-43.5231	-35.2428
Mode 16	-2.7720	0.0573	0.0000	-0.5986	5.3201	-4.4442
Mode 17	4.9885	-14.8263	0.0000	88.7732	27.7579	-206.3949
Mode 18	-1.3424	-14.7625	0.0000	95.8919	-9.0811	302.0866
Mode 19	1.7276	1.1726	0.0000	-6.8757	10.8119	-7.6533
Mode 20	0.7357	2.5344	0.0000	6.2503	3.3822	-6.5567
Mode 21	-7.9127	-14.0569	0.0000	84.9318	-56.1889	-86.1004
Mode 22	0.8910	-9.4481	0.0000	57.4494	10.0866	93.1547

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Mode 23	-2.4490	-5.1524	0.0000	32.0866	3.8641	-121.7600
Mode 24	1.8763	-5.4411	0.0000	32.5988	16.1014	81.8000
Mode 25	-2.0854	-0.6180	0.0000	4.0603	11.5935	-47.5039
Mode 26	7.5845	-11.3152	0.0000	72.0539	49.3600	-235.8795
Mode 27	-1.5450	3.8889	0.0000	-32.9549	-9.8822	32.2680
Mode 28	-0.8788	6.2511	0.0000	-34.5299	1.5944	-20.4646
Mode 29	-2.8632	-12.5333	0.0000	80.5569	-21.4362	-91.6724
Mode 30	-0.9617	2.8155	0.0000	-16.7502	-7.9348	-47.5018
Mode 31	2.6067	-0.3086	0.0000	3.8446	2.0360	-31.7966
Mode 32	-1.3813	0.3496	0.0000	-0.7995	11.4662	85.8623
Mode 33	-5.9072	4.3777	0.0000	-22.4066	-31.8197	-69.0591
Mode 34	-0.5003	4.0044	0.0000	-24.6696	-6.5584	36.7678
Mode 35	-0.3584	-8.4542	0.0000	55.0059	-1.0572	-241.3018
Mode 36	0.4046	-8.2408	0.0000	55.5860	1.1007	16.4436
Mode 37	0.7196	3.6922	0.0000	-22.1171	-2.6051	28.6057
Mode 38	0.9385	3.7099	0.0000	-18.6821	-3.8057	-60.5176
Mode 39	-1.1511	-0.1938	0.0000	-0.1786	1.4641	-1.0594
Mode 40	-1.4144	4.5677	0.0000	-21.3832	1.0691	0.8410
Mode 41	0.4656	0.4383	0.0000	-1.4790	2.5307	10.5678
Mode 42	-0.6410	-2.5427	0.0000	0.7036	0.6553	-32.9172
Mode 43	0.3420	1.0178	0.0000	-7.6132	2.1568	42.2933
Mode 44	-0.9967	0.4626	0.0000	-3.7624	-0.9301	-29.4162
Mode 45	5.9728	0.4490	0.0000	0.7055	34.0766	12.3213
Mode 46	7.1023	0.2445	0.0000	4.4217	41.2310	17.7304
Mode 47	2.9030	-0.4081	0.0000	-5.3743	18.3334	32.5150
Mode 48	-2.6400	-2.0579	0.0000	12.0124	-12.7468	39.1402
Mode 49	8.6836	0.2957	0.0000	-3.1133	49.6482	60.4471
Mode 50	4.7217	1.0604	0.0000	-7.1360	27.3328	45.0233
Mode 51	1.2223	-0.7730	0.0000	1.4125	-2.6061	35.3299
Mode 52	-3.9339	0.7799	0.0000	-5.7500	-23.3620	-15.5597
Mode 53	1.9571	1.7623	0.0000	-1.1610	9.9095	15.8027
Mode 54	0.8654	-0.1961	0.0000	0.9302	8.0535	12.7650
Mode 55	-1.4901	-3.6564	0.0000	6.9291	-5.3845	-72.5120
Mode 56	8.7387	0.6639	0.0000	1.0824	51.9586	68.9344
Mode 57	12.9082	-0.7099	0.0000	-6.3101	82.0497	74.5928
Mode 58	-0.0342	-3.5244	0.0000	3.6203	0.3752	15.9454
Mode 59	2.6912	-1.5232	0.0000	0.5810	14.9754	76.0859
Mode 60	7.0190	-0.7287	0.0000	4.1142	43.9585	-92.0440
Mode 61	-2.5653	2.3926	0.0000	-1.1770	-20.9635	70.6266
Mode 62	-3.2966	-1.9263	0.0000	0.3161	-16.8017	26.0923
Mode 63	1.5398	2.5176	0.0000	-1.9510	10.5404	13.7589
Mode 64	2.9662	0.7649	0.0000	-0.8003	23.1054	15.7665
Mode 65	-1.6400	1.4441	0.0000	0.3279	0.0069	9.3489
Mode 66	7.6950	1.2565	0.0000	-4.4055	43.7509	71.1724
Mode 67	-9.5871	-0.6958	0.0000	5.8839	-53.4917	-83.1786
Mode 68	5.7856	-1.6813	0.0000	4.1692	16.7299	-32.0471
Mode 69	5.9781	1.6516	0.0000	-1.8182	22.4236	0.9131
Mode 70	-3.8370	-1.1035	0.0000	-0.8068	-25.2702	-14.4073
Mode 71	1.3263	-0.9326	0.0000	-0.0224	2.9496	-1.9961

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Mode 72	-0.9748	7.7596	0.0000	-6.1933	-6.2526	-131.2770
Mode 73	-2.1939	0.2590	0.0000	-0.9788	-3.5101	52.0940
Mode 74	-9.4447	-0.2733	0.0000	2.1530	-56.8342	69.1652
Mode 75	-8.8599	-0.2169	0.0000	0.1647	-38.8430	4.4639
Mode 76	-1.8963	0.2292	0.0000	0.3014	-11.3884	-7.2484
Mode 77	3.9634	3.5717	0.0000	0.6821	35.9411	-6.5441
Mode 78	12.6994	-0.5611	0.0000	-1.0984	74.5196	-64.0522
Mode 79	5.3670	-0.1355	0.0000	1.2263	36.2468	-92.8044
Mode 80	-12.7643	0.2674	0.0000	-1.2100	-63.3731	89.8341
Mode 81	4.4038	-1.8314	0.0000	2.0025	35.3678	-50.1359
Mode 82	2.6105	3.3117	0.0000	0.9810	17.1810	-10.0455
Mode 83	-1.1572	-4.8760	0.0000	4.3906	-6.5628	-119.6644
Mode 84	-5.1575	6.3046	0.0000	-4.3283	-30.2128	55.0245
Mode 85	0.4638	-0.3204	0.0000	-1.8044	10.6697	-23.0272
Mode 86	3.5234	3.1702	0.0000	-1.5198	18.4082	17.6391
Mode 87	3.5893	4.7506	0.0000	-4.3263	17.0668	11.2784
Mode 88	-1.4906	0.6371	0.0000	-0.5206	-19.4849	36.6839
Mode 89	-0.4782	0.2975	0.0000	-5.4523	9.1823	-33.2540
Mode 90	2.0047	4.6237	0.0000	-0.5197	10.0448	-65.2197
Mode 91	2.2095	5.5249	0.0000	-9.1951	7.5660	-111.3822
Mode 92	2.4969	-3.2478	0.0000	5.0562	14.9386	89.0693
Mode 93	-4.6008	4.0446	0.0000	-4.8772	-17.3072	-66.1485
Mode 94	0.4787	0.9534	0.0000	1.1018	3.7613	-22.1426
Mode 95	0.5604	-1.4957	0.0000	3.5175	3.0121	5.5510
Mode 96	2.7079	-1.6474	0.0000	-0.4696	-9.8831	-7.9569
Mode 97	3.5017	1.5748	0.0000	-2.6965	10.6581	-56.7529
Mode 98	-4.3299	0.0821	0.0000	1.3435	-10.1406	-31.7169
Mode 99	-1.0517	2.0873	0.0000	-2.5931	-6.7230	-1.6711
Mode 100	-0.2611	0.2506	0.0000	-0.2305	-0.8739	1.2777

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MODAL PARTICIPATING MASS RATIOS

MODE	X-TRANS	Y-TRANS	Z-TRANS	RX-ROTN	RY-ROTN	RZ-ROTN
NUMBER	%MASS <SUM>	%MASS <SUM>	%MASS <SUM>	%MASS <SUM>	%MASS <SUM>	%MASS <SUM>
Mode 1	0.01 < 0>	6.04 < 6>	0.00 < 0>	7.03 < 7>	0.01 < 0>	0.00 < 0>
Mode 2	0.00 < 0>	3.38 < 9>	0.00 < 0>	3.66 < 11>	0.00 < 0>	2.34 < 2>
Mode 3	4.14 < 4>	0.00 < 9>	0.00 < 0>	0.00 < 11>	4.70 < 5>	0.06 < 2>
Mode 4	3.12 < 7>	0.00 < 9>	0.00 < 0>	0.00 < 11>	3.61 < 8>	0.00 < 2>
Mode 5	0.17 < 7>	6.95 < 16>	0.00 < 0>	7.99 < 19>	0.20 < 9>	0.82 < 3>
Mode 6	0.12 < 8>	1.89 < 18>	0.00 < 0>	2.04 < 21>	0.15 < 9>	0.08 < 3>
Mode 7	0.00 < 8>	0.11 < 18>	0.00 < 0>	0.14 < 21>	0.00 < 9>	0.05 < 3>
Mode 8	11.66 < 19>	0.01 < 18>	0.00 < 0>	0.02 < 21>	13.13 < 22>	0.02 < 3>
Mode 9	0.09 < 19>	3.14 < 22>	0.00 < 0>	4.79 < 26>	0.13 < 22>	0.13 < 4>

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Mode 10	0.00 < 19>	2.14 < 24>	0.00 < 0>	0.34 < 26>	0.00 < 22>	0.01 < 4>
Mode 11	4.88 < 24>	0.06 < 24>	0.00 < 0>	0.06 < 26>	5.59 < 28>	0.55 < 4>
Mode 12	2.32 < 27>	0.15 < 24>	0.00 < 0>	0.21 < 26>	2.97 < 31>	0.19 < 4>
Mode 13	0.07 < 27>	3.26 < 27>	0.00 < 0>	3.70 < 30>	0.09 < 31>	10.70 < 15>
Mode 14	0.05 < 27>	4.40 < 32>	0.00 < 0>	5.98 < 36>	0.07 < 31>	5.89 < 21>
Mode 15	1.94 < 29>	1.65 < 33>	0.00 < 0>	2.25 < 38>	2.19 < 33>	0.19 < 21>
Mode 16	0.29 < 29>	0.00 < 33>	0.00 < 0>	0.00 < 38>	0.03 < 33>	0.00 < 21>
Mode 17	0.94 < 30>	8.32 < 41>	0.00 < 0>	9.10 < 47>	0.89 < 34>	6.56 < 28>
Mode 18	0.07 < 30>	8.25 < 50>	0.00 < 0>	10.62 < 58>	0.10 < 34>	14.06 < 42>
Mode 19	0.11 < 30>	0.05 < 50>	0.00 < 0>	0.05 < 58>	0.13 < 34>	0.01 < 42>
Mode 20	0.02 < 30>	0.24 < 50>	0.00 < 0>	0.05 < 58>	0.01 < 34>	0.01 < 42>
Mode 21	2.37 < 32>	7.48 < 58>	0.00 < 0>	8.33 < 66>	3.65 < 38>	1.14 < 43>
Mode 22	0.03 < 32>	3.38 < 61>	0.00 < 0>	3.81 < 70>	0.12 < 38>	1.34 < 44>
Mode 23	0.23 < 33>	1.00 < 62>	0.00 < 0>	1.19 < 71>	0.02 < 38>	2.28 < 46>
Mode 24	0.13 < 33>	1.12 < 63>	0.00 < 0>	1.23 < 73>	0.30 < 38>	1.03 < 47>
Mode 25	0.16 < 33>	0.01 < 63>	0.00 < 0>	0.02 < 73>	0.16 < 38>	0.35 < 48>
Mode 26	2.18 < 35>	4.85 < 68>	0.00 < 0>	5.99 < 79>	2.81 < 41>	8.57 < 56>
Mode 27	0.09 < 35>	0.57 < 68>	0.00 < 0>	1.25 < 80>	0.11 < 41>	0.16 < 57>
Mode 28	0.03 < 35>	1.48 < 70>	0.00 < 0>	1.38 < 81>	0.00 < 41>	0.06 < 57>
Mode 29	0.31 < 36>	5.94 < 76>	0.00 < 0>	7.49 < 89>	0.53 < 42>	1.29 < 58>
Mode 30	0.03 < 36>	0.30 < 76>	0.00 < 0>	0.32 < 89>	0.07 < 42>	0.35 < 58>
Mode 31	0.26 < 36>	0.00 < 76>	0.00 < 0>	0.02 < 89>	0.00 < 42>	0.16 < 58>
Mode 32	0.07 < 36>	0.00 < 76>	0.00 < 0>	0.00 < 89>	0.15 < 42>	1.14 < 60>
Mode 33	1.32 < 37>	0.73 < 77>	0.00 < 0>	0.58 < 90>	1.17 < 43>	0.73 < 60>
Mode 34	0.01 < 37>	0.61 < 78>	0.00 < 0>	0.70 < 90>	0.05 < 43>	0.21 < 61>
Mode 35	0.00 < 37>	2.70 < 80>	0.00 < 0>	3.49 < 94>	0.00 < 43>	8.97 < 69>
Mode 36	0.01 < 37>	2.57 < 83>	0.00 < 0>	3.57 < 97>	0.00 < 43>	0.04 < 70>
Mode 37	0.02 < 37>	0.52 < 83>	0.00 < 0>	0.56 < 98>	0.01 < 43>	0.13 < 70>
Mode 38	0.03 < 37>	0.52 < 84>	0.00 < 0>	0.40 < 98>	0.02 < 43>	0.56 < 70>
Mode 39	0.05 < 37>	0.00 < 84>	0.00 < 0>	0.00 < 98>	0.00 < 43>	0.00 < 70>
Mode 40	0.08 < 37>	0.79 < 85>	0.00 < 0>	0.53 < 99>	0.00 < 43>	0.00 < 70>
Mode 41	0.01 < 37>	0.01 < 85>	0.00 < 0>	0.00 < 99>	0.01 < 43>	0.02 < 70>
Mode 42	0.02 < 37>	0.24 < 85>	0.00 < 0>	0.00 < 99>	0.00 < 43>	0.17 < 70>
Mode 43	0.00 < 37>	0.04 < 85>	0.00 < 0>	0.07 < 99>	0.01 < 43>	0.28 < 71>
Mode 44	0.04 < 37>	0.01 < 85>	0.00 < 0>	0.02 < 99>	0.00 < 43>	0.13 < 71>
Mode 45	1.35 < 39>	0.01 < 85>	0.00 < 0>	0.00 < 99>	1.34 < 45>	0.02 < 71>
Mode 46	1.91 < 41>	0.00 < 85>	0.00 < 0>	0.02 < 99>	1.96 < 47>	0.05 < 71>
Mode 47	0.32 < 41>	0.01 < 85>	0.00 < 0>	0.03 < 99>	0.39 < 47>	0.16 < 71>
Mode 48	0.26 < 41>	0.16 < 85>	0.00 < 0>	0.17 < 99>	0.19 < 47>	0.24 < 71>
Mode 49	2.85 < 44>	0.00 < 85>	0.00 < 0>	0.01 < 99>	2.85 < 50>	0.56 < 72>
Mode 50	0.84 < 45>	0.04 < 85>	0.00 < 0>	0.06 < 99>	0.86 < 51>	0.31 < 72>
Mode 51	0.06 < 45>	0.02 < 85>	0.00 < 0>	0.00 < 99>	0.01 < 51>	0.19 < 72>
Mode 52	0.59 < 46>	0.02 < 85>	0.00 < 0>	0.04 < 99>	0.63 < 51>	0.04 < 72>
Mode 53	0.14 < 46>	0.12 < 85>	0.00 < 0>	0.00 < 99>	0.11 < 52>	0.04 < 72>
Mode 54	0.03 < 46>	0.00 < 85>	0.00 < 0>	0.00 < 99>	0.07 < 52>	0.03 < 72>
Mode 55	0.08 < 46>	0.51 < 86>	0.00 < 0>	0.06 < 99>	0.03 < 52>	0.81 < 73>
Mode 56	2.89 < 49>	0.02 < 86>	0.00 < 0>	0.00 < 99>	3.12 < 55>	0.73 < 74>
Mode 57	6.31 < 55>	0.02 < 86>	0.00 < 0>	0.05 < 99>	7.77 < 63>	0.86 < 75>
Mode 58	0.00 < 55>	0.47 < 86>	0.00 < 0>	0.02 < 99>	0.00 < 63>	0.04 < 75>

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Mode 59	0.27 < 55>	0.09 < 86>	0.00 < 0>	0.00 < 99>	0.26 < 63>	0.89 < 76>
Mode 60	1.86 < 57>	0.02 < 86>	0.00 < 0>	0.02 < 99>	2.23 < 65>	1.31 < 77>
Mode 61	0.25 < 57>	0.22 < 87>	0.00 < 0>	0.00 < 99>	0.51 < 66>	0.77 < 78>
Mode 62	0.41 < 58>	0.14 < 87>	0.00 < 0>	0.00 < 99>	0.33 < 66>	0.10 < 78>
Mode 63	0.09 < 58>	0.24 < 87>	0.00 < 0>	0.00 < 99>	0.13 < 66>	0.03 < 78>
Mode 64	0.33 < 58>	0.02 < 87>	0.00 < 0>	0.00 < 99>	0.62 < 67>	0.04 < 78>
Mode 65	0.10 < 58>	0.08 < 87>	0.00 < 0>	0.00 < 99>	0.00 < 67>	0.01 < 78>
Mode 66	2.24 < 61>	0.06 < 87>	0.00 < 0>	0.02 < 99>	2.21 < 69>	0.78 < 79>
Mode 67	3.48 < 64>	0.02 < 87>	0.00 < 0>	0.04 < 100>	3.30 < 72>	1.07 < 80>
Mode 68	1.27 < 65>	0.11 < 87>	0.00 < 0>	0.02 < 100>	0.32 < 72>	0.16 < 80>
Mode 69	1.35 < 67>	0.10 < 87>	0.00 < 0>	0.00 < 100>	0.58 < 73>	0.00 < 80>
Mode 70	0.56 < 67>	0.05 < 87>	0.00 < 0>	0.00 < 100>	0.74 < 74>	0.03 < 80>
Mode 71	0.07 < 67>	0.03 < 87>	0.00 < 0>	0.00 < 100>	0.01 < 74>	0.00 < 80>
Mode 72	0.04 < 67>	2.28 < 90>	0.00 < 0>	0.04 < 100>	0.05 < 74>	2.66 < 83>
Mode 73	0.18 < 68>	0.00 < 90>	0.00 < 0>	0.00 < 100>	0.01 < 74>	0.42 < 83>
Mode 74	3.38 < 71>	0.00 < 90>	0.00 < 0>	0.01 < 100>	3.73 < 78>	0.74 < 84>
Mode 75	2.97 < 74>	0.00 < 90>	0.00 < 0>	0.00 < 100>	1.74 < 79>	0.00 < 84>
Mode 76	0.14 < 74>	0.00 < 90>	0.00 < 0>	0.00 < 100>	0.15 < 79>	0.01 < 84>
Mode 77	0.59 < 75>	0.48 < 90>	0.00 < 0>	0.00 < 100>	1.49 < 81>	0.01 < 84>
Mode 78	6.10 < 81>	0.01 < 90>	0.00 < 0>	0.00 < 100>	6.41 < 87>	0.63 < 85>
Mode 79	1.09 < 82>	0.00 < 90>	0.00 < 0>	0.00 < 100>	1.52 < 89>	1.33 < 86>
Mode 80	6.17 < 88>	0.00 < 90>	0.00 < 0>	0.00 < 100>	4.64 < 94>	1.24 < 87>
Mode 81	0.73 < 89>	0.13 < 90>	0.00 < 0>	0.00 < 100>	1.44 < 95>	0.39 < 87>
Mode 82	0.26 < 89>	0.42 < 91>	0.00 < 0>	0.00 < 100>	0.34 < 95>	0.02 < 88>
Mode 83	0.05 < 89>	0.90 < 92>	0.00 < 0>	0.02 < 100>	0.05 < 95>	2.21 < 90>
Mode 84	1.01 < 90>	1.50 < 93>	0.00 < 0>	0.02 < 100>	1.05 < 96>	0.47 < 90>
Mode 85	0.01 < 90>	0.00 < 93>	0.00 < 0>	0.00 < 100>	0.13 < 97>	0.08 < 90>
Mode 86	0.47 < 91>	0.38 < 94>	0.00 < 0>	0.00 < 100>	0.39 < 97>	0.05 < 90>
Mode 87	0.49 < 91>	0.85 < 94>	0.00 < 0>	0.02 < 100>	0.34 < 97>	0.02 < 90>
Mode 88	0.08 < 91>	0.02 < 94>	0.00 < 0>	0.00 < 100>	0.44 < 98>	0.21 < 91>
Mode 89	0.01 < 91>	0.00 < 94>	0.00 < 0>	0.03 < 100>	0.10 < 98>	0.17 < 91>
Mode 90	0.15 < 91>	0.81 < 95>	0.00 < 0>	0.00 < 100>	0.12 < 98>	0.66 < 91>
Mode 91	0.18 < 91>	1.16 < 96>	0.00 < 0>	0.10 < 100>	0.07 < 98>	1.91 < 93>
Mode 92	0.24 < 92>	0.40 < 97>	0.00 < 0>	0.03 < 100>	0.26 < 98>	1.22 < 94>
Mode 93	0.80 < 93>	0.62 < 97>	0.00 < 0>	0.03 < 100>	0.35 < 99>	0.67 < 95>
Mode 94	0.01 < 93>	0.03 < 97>	0.00 < 0>	0.00 < 100>	0.02 < 99>	0.08 < 95>
Mode 95	0.01 < 93>	0.08 < 98>	0.00 < 0>	0.01 < 100>	0.01 < 99>	0.00 < 95>
Mode 96	0.28 < 93>	0.10 < 98>	0.00 < 0>	0.00 < 100>	0.11 < 99>	0.01 < 95>
Mode 97	0.46 < 93>	0.09 < 98>	0.00 < 0>	0.01 < 100>	0.13 < 99>	0.50 < 96>
Mode 98	0.71 < 94>	0.00 < 98>	0.00 < 0>	0.00 < 100>	0.12 < 99>	0.16 < 96>
Mode 99	0.04 < 94>	0.16 < 98>	0.00 < 0>	0.01 < 100>	0.05 < 99>	0.00 < 96>
Mode 100	0.00 < 94>	0.00 < 98>	0.00 < 0>	0.00 < 100>	0.00 < 99>	0.00 < 96>

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MODAL LOAD PARTICIPATION RATIOS
(STATIC AND DYNAMIC RATIOS ARE IN PERCENT)

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TYPE	LOAD	ACCEL	STORY	LINK	DOF	STATIC	DYNAMIC
Load	DEAD				0.6678	0.0000	
Load	LIVE				1.9266	0.0000	
Load	PP				0.0000	0.0000	
Load	LR				0.0000	0.0000	
Accel		UX			99.7307	94.0486	
Accel		UY			99.9314	97.9372	
Accel		UZ			0.0000	0.0000	
Accel		RX			99.9976	99.9182	
Accel		RY			99.9553	99.0205	
Accel		RZ			100.9242	95.9115	

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RESPONSE SPECTRUM ACCELERATIONS
(IN RESPONSE SPECTRUM LOCAL COORDINATES)

SPEC	MODE	PERIOD	DAMP-RATIO	SPEC-FACTOR	U1	U2	U3
SYDIS	Mode 1	3.388477	0.050000	1.000000	0.000000	5.721034	0.000000
SYDIS	Mode 2	2.935889	0.050000	1.000000	0.000000	7.458944	0.000000
SYDIS	Mode 3	2.561698	0.050000	1.000000	0.000000	8.546189	0.000000
SYDIS	Mode 4	2.421042	0.050000	1.000000	0.000000	9.041549	0.000000
SYDIS	Mode 5	2.174927	0.050000	1.000000	0.000000	10.065285	0.000000
SYDIS	Mode 6	1.734013	0.050000	1.000000	0.000000	12.626475	0.000000
SYDIS	Mode 7	1.663227	0.050000	1.000000	0.000000	13.163159	0.000000
SYDIS	Mode 8	1.594473	0.050000	1.000000	0.000000	13.733535	0.000000
SYDIS	Mode 9	1.484823	0.050000	1.000000	0.000000	14.746061	0.000000
SYDIS	Mode 10	1.461250	0.050000	1.000000	0.000000	14.982838	0.000000
SYDIS	Mode 11	1.408495	0.050000	1.000000	0.000000	15.546400	0.000000
SYDIS	Mode 12	1.360275	0.050000	1.000000	0.000000	16.095568	0.000000
SYDIS	Mode 13	1.311558	0.050000	1.000000	0.000000	16.695061	0.000000
SYDIS	Mode 14	1.306077	0.050000	1.000000	0.000000	16.764481	0.000000
SYDIS	Mode 15	1.279194	0.050000	1.000000	0.000000	17.114390	0.000000
SYDIS	Mode 16	1.264902	0.050000	1.000000	0.000000	17.310718	0.000000
SYDIS	Mode 17	1.246255	0.050000	1.000000	0.000000	17.569835	0.000000
SYDIS	Mode 18	1.235249	0.050000	1.000000	0.000000	17.725438	0.000000
SYDIS	Mode 19	1.192601	0.050000	1.000000	0.000000	18.359597	0.000000
SYDIS	Mode 20	1.168728	0.050000	1.000000	0.000000	18.735812	0.000000
SYDIS	Mode 21	1.128660	0.050000	1.000000	0.000000	19.401614	0.000000
SYDIS	Mode 22	1.099161	0.050000	1.000000	0.000000	19.917838	0.000000
SYDIS	Mode 23	1.081510	0.050000	1.000000	0.000000	20.243677	0.000000

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SYDIS	Mode 24	1.048479	0.050000	1.000000	0.000000	20.883603	0.000000
SYDIS	Mode 25	1.016529	0.050000	1.000000	0.000000	21.539509	0.000000
SYDIS	Mode 26	1.008392	0.050000	1.000000	0.000000	21.714165	0.000000
SYDIS	Mode 27	0.986821	0.050000	1.000000	0.000000	22.188492	0.000000
SYDIS	Mode 28	0.974886	0.050000	1.000000	0.000000	22.460432	0.000000
SYDIS	Mode 29	0.949402	0.050000	1.000000	0.000000	23.065766	0.000000
SYDIS	Mode 30	0.940939	0.050000	1.000000	0.000000	23.271032	0.000000
SYDIS	Mode 31	0.932635	0.050000	1.000000	0.000000	23.478773	0.000000
SYDIS	Mode 32	0.878298	0.050000	1.000000	0.000000	24.927241	0.000000
SYDIS	Mode 33	0.861957	0.050000	1.000000	0.000000	25.400771	0.000000
SYDIS	Mode 34	0.821766	0.050000	1.000000	0.000000	26.645964	0.000000
SYDIS	Mode 35	0.806125	0.050000	1.000000	0.000000	27.164089	0.000000
SYDIS	Mode 36	0.795888	0.050000	1.000000	0.000000	27.511739	0.000000
SYDIS	Mode 37	0.784557	0.050000	1.000000	0.000000	27.908184	0.000000
SYDIS	Mode 38	0.782652	0.050000	1.000000	0.000000	27.974835	0.000000
SYDIS	Mode 39	0.781365	0.050000	1.000000	0.000000	28.019890	0.000000
SYDIS	Mode 40	0.772710	0.050000	1.000000	0.000000	28.338337	0.000000
SYDIS	Mode 41	0.771299	0.050000	1.000000	0.000000	28.390724	0.000000
SYDIS	Mode 42	0.729104	0.050000	1.000000	0.000000	30.043843	0.000000
SYDIS	Mode 43	0.711793	0.050000	1.000000	0.000000	30.764910	0.000000
SYDIS	Mode 44	0.690160	0.050000	1.000000	0.000000	31.730809	0.000000
SYDIS	Mode 45	0.665332	0.050000	1.000000	0.000000	32.912216	0.000000
SYDIS	Mode 46	0.658847	0.050000	1.000000	0.000000	33.173743	0.000000
SYDIS	Mode 47	0.653557	0.050000	1.000000	0.000000	33.181691	0.000000
SYDIS	Mode 48	0.647520	0.050000	1.000000	0.000000	33.190763	0.000000
SYDIS	Mode 49	0.643469	0.050000	1.000000	0.000000	33.196849	0.000000
SYDIS	Mode 50	0.629498	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 51	0.616834	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 52	0.598695	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 53	0.579116	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 54	0.573721	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 55	0.558941	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 56	0.547233	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 57	0.537968	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 58	0.531337	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 59	0.526440	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 60	0.523932	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 61	0.507462	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 62	0.502101	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 63	0.500151	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 64	0.497107	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 65	0.493669	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 66	0.484115	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 67	0.482935	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 68	0.478274	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 69	0.473181	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 70	0.470267	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 71	0.465897	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 72	0.460224	0.050000	1.000000	0.000000	33.202062	0.000000

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SYDIS	Mode 73	0.449216	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 74	0.439319	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 75	0.436942	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 76	0.429927	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 77	0.421165	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 78	0.412199	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 79	0.399295	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 80	0.393547	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 81	0.391808	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 82	0.390002	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 83	0.388429	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 84	0.385544	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 85	0.375068	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 86	0.369791	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 87	0.366834	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 88	0.360036	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 89	0.359634	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 90	0.354726	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 91	0.350100	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 92	0.346050	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 93	0.342161	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 94	0.337784	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 95	0.335248	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 96	0.334098	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 97	0.332594	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 98	0.329338	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 99	0.325009	0.050000	1.000000	0.000000	33.202062	0.000000
SYDIS	Mode 100	0.322000	0.050000	1.000000	0.000000	33.202062	0.000000
SXDIS	Mode 1	3.388477	0.050000	1.000000	5.721034	0.000000	0.000000
SXDIS	Mode 2	2.935889	0.050000	1.000000	7.458944	0.000000	0.000000
SXDIS	Mode 3	2.561698	0.050000	1.000000	8.546189	0.000000	0.000000
SXDIS	Mode 4	2.421042	0.050000	1.000000	9.041549	0.000000	0.000000
SXDIS	Mode 5	2.174927	0.050000	1.000000	10.065285	0.000000	0.000000
SXDIS	Mode 6	1.734013	0.050000	1.000000	12.626475	0.000000	0.000000
SXDIS	Mode 7	1.663227	0.050000	1.000000	13.163159	0.000000	0.000000
SXDIS	Mode 8	1.594473	0.050000	1.000000	13.733535	0.000000	0.000000
SXDIS	Mode 9	1.484823	0.050000	1.000000	14.746061	0.000000	0.000000
SXDIS	Mode 10	1.461250	0.050000	1.000000	14.982838	0.000000	0.000000
SXDIS	Mode 11	1.408495	0.050000	1.000000	15.546400	0.000000	0.000000
SXDIS	Mode 12	1.360275	0.050000	1.000000	16.095568	0.000000	0.000000
SXDIS	Mode 13	1.311558	0.050000	1.000000	16.695061	0.000000	0.000000
SXDIS	Mode 14	1.306077	0.050000	1.000000	16.764481	0.000000	0.000000
SXDIS	Mode 15	1.279194	0.050000	1.000000	17.114390	0.000000	0.000000
SXDIS	Mode 16	1.264902	0.050000	1.000000	17.310718	0.000000	0.000000
SXDIS	Mode 17	1.246255	0.050000	1.000000	17.569835	0.000000	0.000000
SXDIS	Mode 18	1.235249	0.050000	1.000000	17.725438	0.000000	0.000000
SXDIS	Mode 19	1.192601	0.050000	1.000000	18.359597	0.000000	0.000000
SXDIS	Mode 20	1.168728	0.050000	1.000000	18.735812	0.000000	0.000000

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SXDIS	Mode 21	1.128660	0.050000	1.000000	19.401614	0.000000	0.000000
SXDIS	Mode 22	1.099161	0.050000	1.000000	19.917838	0.000000	0.000000
SXDIS	Mode 23	1.081510	0.050000	1.000000	20.243677	0.000000	0.000000
SXDIS	Mode 24	1.048479	0.050000	1.000000	20.883603	0.000000	0.000000
SXDIS	Mode 25	1.016529	0.050000	1.000000	21.539509	0.000000	0.000000
SXDIS	Mode 26	1.008392	0.050000	1.000000	21.714165	0.000000	0.000000
SXDIS	Mode 27	0.986821	0.050000	1.000000	22.188492	0.000000	0.000000
SXDIS	Mode 28	0.974886	0.050000	1.000000	22.460432	0.000000	0.000000
SXDIS	Mode 29	0.949402	0.050000	1.000000	23.065766	0.000000	0.000000
SXDIS	Mode 30	0.940939	0.050000	1.000000	23.271032	0.000000	0.000000
SXDIS	Mode 31	0.932635	0.050000	1.000000	23.478773	0.000000	0.000000
SXDIS	Mode 32	0.878298	0.050000	1.000000	24.927241	0.000000	0.000000
SXDIS	Mode 33	0.861957	0.050000	1.000000	25.400771	0.000000	0.000000
SXDIS	Mode 34	0.821766	0.050000	1.000000	26.645964	0.000000	0.000000
SXDIS	Mode 35	0.806125	0.050000	1.000000	27.164089	0.000000	0.000000
SXDIS	Mode 36	0.795888	0.050000	1.000000	27.511739	0.000000	0.000000
SXDIS	Mode 37	0.784557	0.050000	1.000000	27.908184	0.000000	0.000000
SXDIS	Mode 38	0.782652	0.050000	1.000000	27.974835	0.000000	0.000000
SXDIS	Mode 39	0.781365	0.050000	1.000000	28.019890	0.000000	0.000000
SXDIS	Mode 40	0.772710	0.050000	1.000000	28.338337	0.000000	0.000000
SXDIS	Mode 41	0.771299	0.050000	1.000000	28.390724	0.000000	0.000000
SXDIS	Mode 42	0.729104	0.050000	1.000000	30.043843	0.000000	0.000000
SXDIS	Mode 43	0.711793	0.050000	1.000000	30.764910	0.000000	0.000000
SXDIS	Mode 44	0.690160	0.050000	1.000000	31.730809	0.000000	0.000000
SXDIS	Mode 45	0.665332	0.050000	1.000000	32.912216	0.000000	0.000000
SXDIS	Mode 46	0.658847	0.050000	1.000000	33.173743	0.000000	0.000000
SXDIS	Mode 47	0.653557	0.050000	1.000000	33.181691	0.000000	0.000000
SXDIS	Mode 48	0.647520	0.050000	1.000000	33.190763	0.000000	0.000000
SXDIS	Mode 49	0.643469	0.050000	1.000000	33.196849	0.000000	0.000000
SXDIS	Mode 50	0.629498	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 51	0.616834	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 52	0.598695	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 53	0.579116	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 54	0.573721	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 55	0.558941	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 56	0.547233	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 57	0.537968	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 58	0.531337	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 59	0.526440	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 60	0.523932	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 61	0.507462	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 62	0.502101	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 63	0.500151	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 64	0.497107	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 65	0.493669	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 66	0.484115	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 67	0.482935	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 68	0.478274	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 69	0.473181	0.050000	1.000000	33.202062	0.000000	0.000000

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SXDIS	Mode 70	0.470267	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 71	0.465897	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 72	0.460224	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 73	0.449216	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 74	0.439319	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 75	0.436942	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 76	0.429927	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 77	0.421165	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 78	0.412199	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 79	0.399295	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 80	0.393547	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 81	0.391808	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 82	0.390002	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 83	0.388429	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 84	0.385544	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 85	0.375068	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 86	0.369791	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 87	0.366834	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 88	0.360036	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 89	0.359634	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 90	0.354726	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 91	0.350100	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 92	0.346050	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 93	0.342161	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 94	0.337784	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 95	0.335248	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 96	0.334098	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 97	0.332594	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 98	0.329338	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 99	0.325009	0.050000	1.000000	33.202062	0.000000	0.000000
SXDIS	Mode 100	0.322000	0.050000	1.000000	33.202062	0.000000	0.000000

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RESPONSE SPECTRUM MODAL AMPLITUDES
(IN RESPONSE SPECTRUM LOCAL COORDINATES)

SPEC	MODE	PERIOD	U1	U2	U3
SYDIS	Mode 1	3.388477	0.000000	-21.028866	0.000000
SYDIS	Mode 2	2.935889	0.000000	-15.382601	0.000000
SYDIS	Mode 3	2.561698	0.000000	0.153531	0.000000
SYDIS	Mode 4	2.421042	0.000000	-0.074393	0.000000
SYDIS	Mode 5	2.174927	0.000000	16.337846	0.000000
SYDIS	Mode 6	1.734013	0.000000	-6.793918	0.000000
SYDIS	Mode 7	1.663227	0.000000	1.583416	0.000000
SYDIS	Mode 8	1.594473	0.000000	-0.560746	0.000000

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SYDIS	Mode 9	1.484823	0.000000	-7.500599	0.000000
SYDIS	Mode 10	1.461250	0.000000	6.088233	0.000000
SYDIS	Mode 11	1.408495	0.000000	-0.960891	0.000000
SYDIS	Mode 12	1.360275	0.000000	1.521024	0.000000
SYDIS	Mode 13	1.311558	0.000000	6.750859	0.000000
SYDIS	Mode 14	1.306077	0.000000	7.808171	0.000000
SYDIS	Mode 15	1.279194	0.000000	4.679614	0.000000
SYDIS	Mode 16	1.264902	0.000000	-0.040908	0.000000
SYDIS	Mode 17	1.246255	0.000000	10.249593	0.000000
SYDIS	Mode 18	1.235249	0.000000	10.113281	0.000000
SYDIS	Mode 19	1.192601	0.000000	-0.775185	0.000000
SYDIS	Mode 20	1.168728	0.000000	-1.642779	0.000000
SYDIS	Mode 21	1.128660	0.000000	8.798511	0.000000
SYDIS	Mode 22	1.099161	0.000000	5.759240	0.000000
SYDIS	Mode 23	1.081510	0.000000	3.089802	0.000000
SYDIS	Mode 24	1.048479	0.000000	3.164472	0.000000
SYDIS	Mode 25	1.016529	0.000000	0.348015	0.000000
SYDIS	Mode 26	1.008392	0.000000	6.330017	0.000000
SYDIS	Mode 27	0.986821	0.000000	-2.128775	0.000000
SYDIS	Mode 28	0.974886	0.000000	-3.380197	0.000000
SYDIS	Mode 29	0.949402	0.000000	6.599944	0.000000
SYDIS	Mode 30	0.940939	0.000000	-1.469579	0.000000
SYDIS	Mode 31	0.932635	0.000000	0.160110	0.000000
SYDIS	Mode 32	0.878298	0.000000	-0.170505	0.000000
SYDIS	Mode 33	0.861957	0.000000	-2.093683	0.000000
SYDIS	Mode 34	0.821766	0.000000	-1.825260	0.000000
SYDIS	Mode 35	0.806125	0.000000	3.780146	0.000000
SYDIS	Mode 36	0.795888	0.000000	3.637790	0.000000
SYDIS	Mode 37	0.784557	0.000000	-1.606495	0.000000
SYDIS	Mode 38	0.782652	0.000000	-1.610146	0.000000
SYDIS	Mode 39	0.781365	0.000000	0.083806	0.000000
SYDIS	Mode 40	0.772710	0.000000	-1.957891	0.000000
SYDIS	Mode 41	0.771299	0.000000	-0.187448	0.000000
SYDIS	Mode 42	0.729104	0.000000	1.028560	0.000000
SYDIS	Mode 43	0.711793	0.000000	-0.401803	0.000000
SYDIS	Mode 44	0.690160	0.000000	-0.177225	0.000000
SYDIS	Mode 45	0.665332	0.000000	-0.164914	0.000000
SYDIS	Mode 46	0.658847	0.000000	-0.088280	0.000000
SYDIS	Mode 47	0.653557	0.000000	0.146865	0.000000
SYDIS	Mode 48	0.647520	0.000000	0.725089	0.000000
SYDIS	Mode 49	0.643469	0.000000	-0.101914	0.000000
SYDIS	Mode 50	0.629498	0.000000	-0.352857	0.000000
SYDIS	Mode 51	0.616834	0.000000	0.247489	0.000000
SYDIS	Mode 52	0.598695	0.000000	-0.235511	0.000000
SYDIS	Mode 53	0.579116	0.000000	-0.496888	0.000000
SYDIS	Mode 54	0.573721	0.000000	0.054362	0.000000
SYDIS	Mode 55	0.558941	0.000000	0.960559	0.000000
SYDIS	Mode 56	0.547233	0.000000	-0.166437	0.000000
SYDIS	Mode 57	0.537968	0.000000	0.173894	0.000000

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SYDIS	Mode 58	0.531337	0.000000	0.836810	0.000000
SYDIS	Mode 59	0.526440	0.000000	0.355254	0.000000
SYDIS	Mode 60	0.523932	0.000000	0.168797	0.000000
SYDIS	Mode 61	0.507462	0.000000	-0.518374	0.000000
SYDIS	Mode 62	0.502101	0.000000	0.408176	0.000000
SYDIS	Mode 63	0.500151	0.000000	-0.529544	0.000000
SYDIS	Mode 64	0.497107	0.000000	-0.158744	0.000000
SYDIS	Mode 65	0.493669	0.000000	-0.296114	0.000000
SYDIS	Mode 66	0.484115	0.000000	-0.247134	0.000000
SYDIS	Mode 67	0.482935	0.000000	0.135816	0.000000
SYDIS	Mode 68	0.478274	0.000000	0.323836	0.000000
SYDIS	Mode 69	0.473181	0.000000	-0.310609	0.000000
SYDIS	Mode 70	0.470267	0.000000	0.204997	0.000000
SYDIS	Mode 71	0.465897	0.000000	0.170331	0.000000
SYDIS	Mode 72	0.460224	0.000000	-1.382302	0.000000
SYDIS	Mode 73	0.449216	0.000000	-0.044091	0.000000
SYDIS	Mode 74	0.439319	0.000000	0.043829	0.000000
SYDIS	Mode 75	0.436942	0.000000	0.034329	0.000000
SYDIS	Mode 76	0.429927	0.000000	-0.035733	0.000000
SYDIS	Mode 77	0.421165	0.000000	-0.532625	0.000000
SYDIS	Mode 78	0.412199	0.000000	0.080807	0.000000
SYDIS	Mode 79	0.399295	0.000000	0.018421	0.000000
SYDIS	Mode 80	0.393547	0.000000	-0.035409	0.000000
SYDIS	Mode 81	0.391808	0.000000	0.236643	0.000000
SYDIS	Mode 82	0.390002	0.000000	-0.423523	0.000000
SYDIS	Mode 83	0.388429	0.000000	0.618662	0.000000
SYDIS	Mode 84	0.385544	0.000000	-0.788379	0.000000
SYDIS	Mode 85	0.375068	0.000000	0.037927	0.000000
SYDIS	Mode 86	0.369791	0.000000	-0.364452	0.000000
SYDIS	Mode 87	0.366834	0.000000	-0.537503	0.000000
SYDIS	Mode 88	0.360036	0.000000	-0.069509	0.000000
SYDIS	Mode 89	0.359634	0.000000	-0.032383	0.000000
SYDIS	Mode 90	0.354726	0.000000	-0.489228	0.000000
SYDIS	Mode 91	0.350100	0.000000	-0.569451	0.000000
SYDIS	Mode 92	0.346050	0.000000	0.327187	0.000000
SYDIS	Mode 93	0.342161	0.000000	-0.398396	0.000000
SYDIS	Mode 94	0.337784	0.000000	-0.091474	0.000000
SYDIS	Mode 95	0.335248	0.000000	0.141398	0.000000
SYDIS	Mode 96	0.334098	0.000000	0.154739	0.000000
SYDIS	Mode 97	0.332594	0.000000	-0.146393	0.000000
SYDIS	Mode 98	0.329338	0.000000	-0.007629	0.000000
SYDIS	Mode 99	0.325009	0.000000	-0.185464	0.000000
SYDIS	Mode 100	0.322000	0.000000	-0.021860	0.000000
SXDIS	Mode 1	3.388477	0.742783	0.000000	0.000000
SXDIS	Mode 2	2.935889	-0.038015	0.000000	0.000000
SXDIS	Mode 3	2.561698	-14.860127	0.000000	0.000000
SXDIS	Mode 4	2.421042	12.184307	0.000000	0.000000
SXDIS	Mode 5	2.174927	2.562579	0.000000	0.000000

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SXDIS	Mode 6	1.734013	1.734227	0.000000	0.000000
SXDIS	Mode 7	1.663227	-0.153927	0.000000	0.000000
SXDIS	Mode 8	1.594473	15.522706	0.000000	0.000000
SXDIS	Mode 9	1.484823	1.267392	0.000000	0.000000
SXDIS	Mode 10	1.461250	-0.118331	0.000000	0.000000
SXDIS	Mode 11	1.408495	8.871848	0.000000	0.000000
SXDIS	Mode 12	1.360275	5.902370	0.000000	0.000000
SXDIS	Mode 13	1.311558	-0.992445	0.000000	0.000000
SXDIS	Mode 14	1.306077	-0.818670	0.000000	0.000000
SXDIS	Mode 15	1.279194	5.077406	0.000000	0.000000
SXDIS	Mode 16	1.264902	1.944758	0.000000	0.000000
SXDIS	Mode 17	1.246255	-3.444597	0.000000	0.000000
SXDIS	Mode 18	1.235249	0.923222	0.000000	0.000000
SXDIS	Mode 19	1.192601	-1.142997	0.000000	0.000000
SXDIS	Mode 20	1.168728	-0.477469	0.000000	0.000000
SXDIS	Mode 21	1.128660	4.956758	0.000000	0.000000
SXDIS	Mode 22	1.099161	-0.541120	0.000000	0.000000
SXDIS	Mode 23	1.081510	1.469933	0.000000	0.000000
SXDIS	Mode 24	1.048479	-1.089991	0.000000	0.000000
SXDIS	Mode 25	1.016529	1.175817	0.000000	0.000000
SXDIS	Mode 26	1.008392	-4.239779	0.000000	0.000000
SXDIS	Mode 27	0.986821	0.844876	0.000000	0.000000
SXDIS	Mode 28	0.974886	0.473999	0.000000	0.000000
SXDIS	Mode 29	0.949402	1.510178	0.000000	0.000000
SXDIS	Mode 30	0.940939	0.501377	0.000000	0.000000
SXDIS	Mode 31	0.932635	-1.348388	0.000000	0.000000
SXDIS	Mode 32	0.878298	0.672748	0.000000	0.000000
SXDIS	Mode 33	0.861957	2.823107	0.000000	0.000000
SXDIS	Mode 34	0.821766	0.227410	0.000000	0.000000
SXDIS	Mode 35	0.806125	0.161589	0.000000	0.000000
SXDIS	Mode 36	0.795888	-0.177337	0.000000	0.000000
SXDIS	Mode 37	0.784557	-0.313681	0.000000	0.000000
SXDIS	Mode 38	0.782652	-0.407905	0.000000	0.000000
SXDIS	Mode 39	0.781365	0.498847	0.000000	0.000000
SXDIS	Mode 40	0.772710	0.605534	0.000000	0.000000
SXDIS	Mode 41	0.771299	-0.199279	0.000000	0.000000
SXDIS	Mode 42	0.729104	0.259662	0.000000	0.000000
SXDIS	Mode 43	0.711793	-0.135164	0.000000	0.000000
SXDIS	Mode 44	0.690160	0.381513	0.000000	0.000000
SXDIS	Mode 45	0.665332	-2.204261	0.000000	0.000000
SXDIS	Mode 46	0.658847	-2.590633	0.000000	0.000000
SXDIS	Mode 47	0.653557	-1.042150	0.000000	0.000000
SXDIS	Mode 48	0.647520	0.930866	0.000000	0.000000
SXDIS	Mode 49	0.643469	-3.023402	0.000000	0.000000
SXDIS	Mode 50	0.629498	-1.573729	0.000000	0.000000
SXDIS	Mode 51	0.616834	-0.391039	0.000000	0.000000
SXDIS	Mode 52	0.598695	1.185799	0.000000	0.000000
SXDIS	Mode 53	0.579116	-0.552183	0.000000	0.000000
SXDIS	Mode 54	0.573721	-0.239548	0.000000	0.000000

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SXDIS	Mode 55	0.558941	0.391865	0.000000	0.000000
SXDIS	Mode 56	0.547233	-2.200931	0.000000	0.000000
SXDIS	Mode 57	0.537968	-3.141781	0.000000	0.000000
SXDIS	Mode 58	0.531337	0.008411	0.000000	0.000000
SXDIS	Mode 59	0.526440	-0.627146	0.000000	0.000000
SXDIS	Mode 60	0.523932	-1.620375	0.000000	0.000000
SXDIS	Mode 61	0.507462	0.555404	0.000000	0.000000
SXDIS	Mode 62	0.502101	0.699103	0.000000	0.000000
SXDIS	Mode 63	0.500151	-0.324128	0.000000	0.000000
SXDIS	Mode 64	0.497107	-0.616506	0.000000	0.000000
SXDIS	Mode 65	0.493669	0.336040	0.000000	0.000000
SXDIS	Mode 66	0.484115	-1.516822	0.000000	0.000000
SXDIS	Mode 67	0.482935	1.880527	0.000000	0.000000
SXDIS	Mode 68	0.478274	-1.112921	0.000000	0.000000
SXDIS	Mode 69	0.473181	-1.125809	0.000000	0.000000
SXDIS	Mode 70	0.470267	0.713720	0.000000	0.000000
SXDIS	Mode 71	0.465897	-0.242054	0.000000	0.000000
SXDIS	Mode 72	0.460224	0.173162	0.000000	0.000000
SXDIS	Mode 73	0.449216	0.372323	0.000000	0.000000
SXDIS	Mode 74	0.439319	1.533055	0.000000	0.000000
SXDIS	Mode 75	0.436942	1.422619	0.000000	0.000000
SXDIS	Mode 76	0.429927	0.294770	0.000000	0.000000
SXDIS	Mode 77	0.421165	-0.591448	0.000000	0.000000
SXDIS	Mode 78	0.412199	-1.814665	0.000000	0.000000
SXDIS	Mode 79	0.399295	-0.719653	0.000000	0.000000
SXDIS	Mode 80	0.393547	1.662618	0.000000	0.000000
SXDIS	Mode 81	0.391808	-0.568477	0.000000	0.000000
SXDIS	Mode 82	0.390002	-0.334079	0.000000	0.000000
SXDIS	Mode 83	0.388429	0.147050	0.000000	0.000000
SXDIS	Mode 84	0.385544	0.644473	0.000000	0.000000
SXDIS	Mode 85	0.375068	-0.054858	0.000000	0.000000
SXDIS	Mode 86	0.369791	-0.405335	0.000000	0.000000
SXDIS	Mode 87	0.366834	-0.406398	0.000000	0.000000
SXDIS	Mode 88	0.360036	0.162478	0.000000	0.000000
SXDIS	Mode 89	0.359634	0.052002	0.000000	0.000000
SXDIS	Mode 90	0.354726	-0.212317	0.000000	0.000000
SXDIS	Mode 91	0.350100	-0.227960	0.000000	0.000000
SXDIS	Mode 92	0.346050	-0.251357	0.000000	0.000000
SXDIS	Mode 93	0.342161	0.452862	0.000000	0.000000
SXDIS	Mode 94	0.337784	-0.045965	0.000000	0.000000
SXDIS	Mode 95	0.335248	-0.052918	0.000000	0.000000
SXDIS	Mode 96	0.334098	-0.254155	0.000000	0.000000
SXDIS	Mode 97	0.332594	-0.325818	0.000000	0.000000
SXDIS	Mode 98	0.329338	0.394975	0.000000	0.000000
SXDIS	Mode 99	0.325009	0.093366	0.000000	0.000000
SXDIS	Mode 100	0.322000	0.022760	0.000000	0.000000

RESPONSE SPECTRUM BASE REACTIONS
(IN RESPONSE SPECTRUM LOCAL COORDINATES)

SPEC	MODE	DIR	F1	F2	F3	M1	M2	M3
	Mode 1	U2	-32.28	913.82	0.00	-5642.093	-201.209	21208.897
	Mode 2	U2	1.64	665.49	0.00	-3965.169	18.932	24123.443
	Mode 3	U2	-9.66	0.10	0.00	-0.668	-58.951	65.975
	Mode 4	U2	-4.55	0.03	0.00	-0.128	-28.001	37.100
	Mode 5	U2	289.73	1847.16	0.00	-11345.566	1813.142	
30457.706								
	Mode 6	U2	-160.86	630.19	0.00	-3750.898	-1009.893	
13954.728								
	Mode 7	U2	-3.77	38.79	0.00	245.733	-18.771	1356.796
	Mode 8	U2	-152.83	5.52	0.00	-40.473	-928.647	1319.160
	Mode 9	U2	-206.71	1223.31	0.00	-8655.265	-1436.718	
33991.007								
	Mode 10	U2	-16.44	845.69	0.00	-1921.247	-80.907	19018.277
	Mode 11	U2	-217.15	23.52	0.00	-137.271	-1330.832	1251.816
	Mode 12	U2	253.90	65.43	0.00	-439.462	1646.336	505.681
	Mode 13	U2	-211.37	1437.80	0.00	-8775.306	-1399.781	
-5656.864								
	Mode 14	U2	-204.23	1947.84	0.00	-13008.503	-1353.699	
11625.789								
	Mode 15	U2	808.10	744.79	0.00	-4977.634	4915.532	
14410.236								
	Mode 16	U2	-2.80	0.06	0.00	-0.602	5.370	20.636
	Mode 17	U2	-1298.28	3863.11	0.00	-23130.315	-7223.607	
154485.944								
	Mode 18	U2	352.62	3862.68	0.00	-25090.556	2384.954	
7643.231								
	Mode 19	U2	37.18	25.22	0.00	-147.861	232.687	105.118
	Mode 20	U2	34.97	120.32	0.00	296.822	160.483	2185.396
	Mode 21	U2	2158.92	3832.20	0.00	-23153.290	15329.297	
94121.971								
	Mode 22	U2	-167.07	1778.13	0.00	-10812.210	-1894.440	
25171.152								
	Mode 23	U2	255.59	537.24	0.00	-3346.352	-401.806	23001.444
	Mode 24	U2	-213.01	618.41	0.00	-3705.249	-1828.511	
6870.491								
	Mode 25	U2	27.73	8.21	0.00	-54.039	-154.128	586.735
	Mode 26	U2	-1862.97	2781.43	0.00	-17711.971	-12124.372	
138363.976								
	Mode 27	U2	-133.22	335.66	0.00	-2844.312	-851.846	
11708.919								
	Mode 28	U2	-123.09	877.75	0.00	-4848.221	225.566	18550.807
	Mode 29	U2	828.93	3622.69	0.00	-23284.225	6204.656	

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103571.813

SYDIS	Mode 30	U2	-62.95	184.52	0.00	-1097.796	-519.570	1705.863
SYDIS	Mode 31	U2	-18.94	2.25	0.00	-27.944	-14.786	444.109
SYDIS	Mode 32	U2	-12.05	3.05	0.00	-6.941	100.055	922.473
SYDIS	Mode 33	U2	-657.00	487.25	0.00	-2493.962	-3539.059	

9207.979

SYDIS	Mode 34	U2	-53.24	427.31	0.00	-2632.627	-698.902	14296.458
SYDIS	Mode 35	U2	82.99	1941.48	0.00	-12631.923	247.184	

99786.271

SYDIS	Mode 36	U2	-91.08	1868.39	0.00	-12602.645	-245.150	
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40424.709

SYDIS	Mode 37	U2	74.28	380.41	0.00	-2278.957	-267.623	11148.904
SYDIS	Mode 38	U2	97.52	384.95	0.00	-1938.846	-394.255	1829.538
SYDIS	Mode 39	U2	6.24	1.05	0.00	0.965	-7.935	-22.891
SYDIS	Mode 40	U2	-182.90	591.37	0.00	-2768.090	139.361	15391.736
SYDIS	Mode 41	U2	5.79	5.45	0.00	-18.387	31.487	208.802
SYDIS	Mode 42	U2	49.03	194.21	0.00	-53.759	-50.038	6607.157
SYDIS	Mode 43	U2	10.72	31.86	0.00	-238.335	67.609	1972.905
SYDIS	Mode 44	U2	-14.64	6.80	0.00	-55.269	-13.642	-149.939
SYDIS	Mode 45	U2	87.85	6.57	0.00	10.552	501.180	-412.027
SYDIS	Mode 46	U2	57.02	1.94	0.00	35.617	331.023	-296.667
SYDIS	Mode 47	U2	-39.40	5.55	0.00	72.865	-248.885	22.105
SYDIS	Mode 48	U2	180.29	140.43	0.00	-819.810	870.542	-942.333
SYDIS	Mode 49	U2	84.38	2.84	0.00	-30.084	482.448	-62.990
SYDIS	Mode 50	U2	166.00	37.22	0.00	-250.519	960.935	1037.533
SYDIS	Mode 51	U2	-31.38	19.86	0.00	-36.248	66.935	-179.700
SYDIS	Mode 52	U2	-102.04	20.27	0.00	-149.362	-605.943	933.203
SYDIS	Mode 53	U2	114.51	103.04	0.00	-67.703	579.638	2344.480
SYDIS	Mode 54	U2	-5.64	1.28	0.00	-6.083	-52.507	-5.599
SYDIS	Mode 55	U2	181.03	443.75	0.00	-840.840	653.875	17567.454
SYDIS	Mode 56	U2	191.74	14.50	0.00	24.148	1140.042	221.238
SYDIS	Mode 57	U2	-306.19	16.95	0.00	149.002	-1946.347	1223.654
SYDIS	Mode 58	U2	4.15	412.41	0.00	-423.643	-43.762	7674.036
SYDIS	Mode 59	U2	-136.17	77.13	0.00	-29.669	-757.831	-903.506
SYDIS	Mode 60	U2	-170.39	17.75	0.00	-100.249	-1067.097	4093.156
SYDIS	Mode 61	U2	-203.80	190.21	0.00	-94.117	-1665.915	11759.019
SYDIS	Mode 62	U2	210.75	123.05	0.00	-19.831	1073.943	-600.175
SYDIS	Mode 63	U2	128.76	210.36	0.00	-162.744	880.939	4940.651
SYDIS	Mode 64	U2	75.23	19.37	0.00	-20.091	585.973	210.878
SYDIS	Mode 65	U2	-78.64	69.30	0.00	15.727	0.326	2725.102
SYDIS	Mode 66	U2	320.35	52.19	0.00	-182.759	1821.363	1454.826
SYDIS	Mode 67	U2	220.41	15.92	0.00	-134.840	1229.806	410.531
SYDIS	Mode 68	U2	-323.32	94.08	0.00	-233.340	-934.949	6720.473
SYDIS	Mode 69	U2	327.43	90.34	0.00	-99.148	1228.107	-632.511
SYDIS	Mode 70	U2	140.43	40.33	0.00	29.847	924.745	271.437
SYDIS	Mode 71	U2	-41.08	28.91	0.00	0.664	-91.377	1081.701
SYDIS	Mode 72	U2	-250.46	1999.32	0.00	-1596.239	-1610.397	

14722.679

SYDIS	Mode 73	U2	-18.92	2.24	0.00	-8.454	-30.275	662.048
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SYDIS	Mode 74	U2	84.67	2.42	0.00	-19.125	509.538	-1282.777
SYDIS	Mode 75	U2	62.89	1.52	0.00	-1.073	275.735	-530.434
SYDIS	Mode 76	U2	-14.47	1.75	0.00	2.270	-86.918	108.280
SYDIS	Mode 77	U2	469.98	423.24	0.00	82.349	4260.552	5060.650
SYDIS	Mode 78	U2	-238.44	10.62	0.00	20.134	-1399.167	3473.511
SYDIS	Mode 79	U2	-24.48	0.63	0.00	-5.651	-165.328	645.690
SYDIS	Mode 80	U2	-115.20	2.45	0.00	-11.121	-571.977	1845.877
SYDIS	Mode 81	U2	-267.96	111.54	0.00	-122.614	-2152.314	7915.872
SYDIS	Mode 82	U2	287.09	363.95	0.00	108.502	1888.614	4908.338
SYDIS	Mode 83	U2	187.60	789.25	0.00	-710.380	1062.630	36102.876
SYDIS	Mode 84	U2	-1079.43	1320.46	0.00	-908.495	-6325.795	
51343.817								
SYDIS	Mode 85	U2	-4.94	3.41	0.00	19.165	-113.570	366.210
SYDIS	Mode 86	U2	370.84	333.44	0.00	-159.232	1936.926	6449.034
SYDIS	Mode 87	U2	566.25	748.93	0.00	-681.264	2691.494	14359.147
SYDIS	Mode 88	U2	-31.55	13.50	0.00	-11.165	-412.478	1357.815
SYDIS	Mode 89	U2	-4.73	2.94	0.00	-53.862	90.781	-220.257
SYDIS	Mode 90	U2	307.95	709.58	0.00	-79.236	1541.822	3849.614
SYDIS	Mode 91	U2	405.60	1013.21	0.00	-1686.018	1388.306	-348.452
SYDIS	Mode 92	U2	-269.21	350.42	0.00	-545.948	-1611.145	814.111
SYDIS	Mode 93	U2	-617.89	543.58	0.00	-656.027	-2324.858	8979.989
SYDIS	Mode 94	U2	15.16	30.17	0.00	34.915	119.035	-129.036
SYDIS	Mode 95	U2	-27.81	74.30	0.00	-174.758	-149.539	1685.374
SYDIS	Mode 96	U2	-148.17	90.21	0.00	25.887	540.874	3787.901
SYDIS	Mode 97	U2	182.98	82.21	0.00	-140.686	556.891	-2609.816
SYDIS	Mode 98	U2	-12.02	0.23	0.00	3.721	-28.161	19.401
SYDIS	Mode 99	U2	-72.85	144.71	0.00	-179.906	-465.946	3862.429
SYDIS	Mode 100	U2	-2.17	2.09	0.00	-1.921	-7.273	77.523

SYDIS All All 2315.71 23108.32 0.00 133897.230 14606.176
557759.859

SXDIS	Mode 1	U1	1.14	-32.28	0.00	199.290	7.107	-749.142
SXDIS	Mode 2	U1	0.00	1.64	0.00	-9.799	0.047	59.615
SXDIS	Mode 3	U1	935.15	-9.66	0.00	64.617	5705.793	-6385.694
SXDIS	Mode 4	U1	744.85	-4.55	0.00	21.041	4586.152	-6076.275
SXDIS	Mode 5	U1	45.44	289.73	0.00	-1779.543	284.390	4777.268
SXDIS	Mode 6	U1	41.06	-160.86	0.00	957.461	257.787	-3562.107
SXDIS	Mode 7	U1	0.37	-3.77	0.00	-23.888	1.825	-131.896
SXDIS	Mode 8	U1	4230.61	-152.83	0.00	1120.377	25707.047	
-36517.318								
SXDIS	Mode 9	U1	34.93	-206.71	0.00	1462.499	242.765	-5743.534
SXDIS	Mode 10	U1	0.32	-16.44	0.00	37.341	1.573	-369.640
SXDIS	Mode 11	U1	2004.92	-217.15	0.00	1267.412	12287.492	
-11557.942								
SXDIS	Mode 12	U1	985.28	253.90	0.00	-1705.343	6388.646	1962.307
SXDIS	Mode 13	U1	31.07	-211.37	0.00	1290.059	205.782	831.617
SXDIS	Mode 14	U1	21.41	-204.23	0.00	1363.913	141.932	-1218.938
SXDIS	Mode 15	U1	876.79	808.10	0.00	-5400.759	5333.378	

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15635.182

SXDIS	Mode 16	U1	133.02	-2.80	0.00	28.634	-255.299	-981.039
SXDIS	Mode 17	U1	436.32	-1298.28	0.00	7773.441	2427.649	

-51918.331

SXDIS	Mode 18	U1	32.19	352.62	0.00	-2290.468	217.718	697.736
SXDIS	Mode 19	U1	54.82	37.18	0.00	-218.019	343.093	154.994
SXDIS	Mode 20	U1	10.16	34.97	0.00	86.270	46.644	635.179
SXDIS	Mode 21	U1	1216.25	2158.92	0.00	-13043.712	8635.962	

53024.857

SXDIS	Mode 22	U1	15.70	-167.07	0.00	1015.881	177.996	-2365.003
SXDIS	Mode 23	U1	121.59	255.59	0.00	-1591.983	-191.154	10942.635
SXDIS	Mode 24	U1	73.37	-213.01	0.00	1276.259	629.824	-2366.515
SXDIS	Mode 25	U1	93.69	27.73	0.00	-182.578	-520.741	1982.363
SXDIS	Mode 26	U1	1247.80	-1862.97	0.00	11863.292	8120.777	

-92674.738

SXDIS	Mode 27	U1	52.87	-133.22	0.00	1128.861	338.084	-4647.078
SXDIS	Mode 28	U1	17.26	-123.09	0.00	679.857	-31.631	-2601.346
SXDIS	Mode 29	U1	189.67	828.93	0.00	-5327.821	1419.729	

23698.964

SXDIS	Mode 30	U1	21.48	-62.95	0.00	374.536	177.262	-581.990
SXDIS	Mode 31	U1	159.52	-18.94	0.00	235.331	124.521	-3740.121
SXDIS	Mode 32	U1	47.55	-12.05	0.00	27.388	-394.781	-3639.733
SXDIS	Mode 33	U1	885.90	-657.00	0.00	3362.840	4772.042	

-12415.973

SXDIS	Mode 34	U1	6.63	-53.24	0.00	328.001	87.077	-1781.204
SXDIS	Mode 35	U1	3.55	82.99	0.00	-539.974	10.566	4265.543
SXDIS	Mode 36	U1	4.44	-91.08	0.00	614.361	11.951	-1970.648
SXDIS	Mode 37	U1	14.50	74.28	0.00	-444.985	-52.256	2176.913
SXDIS	Mode 38	U1	24.71	97.52	0.00	-491.176	-99.878	463.484
SXDIS	Mode 39	U1	37.13	6.24	0.00	5.745	-47.230	-136.257
SXDIS	Mode 40	U1	56.57	-182.90	0.00	856.111	-43.101	-4760.335
SXDIS	Mode 41	U1	6.16	5.79	0.00	-19.547	33.474	221.981
SXDIS	Mode 42	U1	12.38	49.03	0.00	-13.572	-12.632	1667.989
SXDIS	Mode 43	U1	3.61	10.72	0.00	-80.175	22.743	663.676
SXDIS	Mode 44	U1	31.51	-14.64	0.00	118.978	29.367	322.774
SXDIS	Mode 45	U1	1174.18	87.85	0.00	141.037	6698.841	-5507.204
SXDIS	Mode 46	U1	1673.39	57.02	0.00	1045.193	9714.120	-8705.905
SXDIS	Mode 47	U1	279.61	-39.40	0.00	-517.044	1766.078	-156.860
SXDIS	Mode 48	U1	231.45	180.29	0.00	-1052.468	1117.597	-1209.763
SXDIS	Mode 49	U1	2503.24	84.38	0.00	-892.476	14312.429	-1868.690
SXDIS	Mode 50	U1	740.35	166.00	0.00	-1117.305	4285.729	4627.352
SXDIS	Mode 51	U1	49.58	-31.38	0.00	57.273	-105.759	283.931
SXDIS	Mode 52	U1	513.75	-102.04	0.00	752.042	3050.932	-4698.688
SXDIS	Mode 53	U1	127.25	114.51	0.00	-75.237	644.141	2605.380
SXDIS	Mode 54	U1	24.86	-5.64	0.00	26.807	231.376	24.674
SXDIS	Mode 55	U1	73.85	181.03	0.00	-343.025	266.752	7166.738
SXDIS	Mode 56	U1	2535.59	191.74	0.00	319.328	15075.668	

2925.609

SXDIS	Mode 57	U1	5532.00	-306.19	0.00	-2692.060	35165.131	
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-22108.058

SXDIS	Mode 58	U1	0.04	4.15	0.00	-4.258	-0.440	77.131
SXDIS	Mode 59	U1	240.38	-136.17	0.00	52.375	1337.832	1594.999
SXDIS	Mode 60	U1	1635.63	-170.39	0.00	962.342	10243.643	

-39292.437

SXDIS	Mode 61	U1	218.35	-203.80	0.00	100.840	1784.918	-12599.015
SXDIS	Mode 62	U1	360.97	210.75	0.00	-33.965	1839.394	-1027.949
SXDIS	Mode 63	U1	78.81	128.76	0.00	-99.614	539.212	3024.113
SXDIS	Mode 64	U1	292.17	75.23	0.00	-78.026	2275.714	818.978
SXDIS	Mode 65	U1	89.25	-78.64	0.00	-17.847	-0.370	-3092.539
SXDIS	Mode 66	U1	1966.20	320.35	0.00	-1121.708	11178.881	

8929.210

SXDIS	Mode 67	U1	3051.83	220.41	0.00	-1867.019	17028.063	
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5684.271

SXDIS	Mode 68	U1	1111.16	-323.32	0.00	801.917	3213.125	
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-23096.158

SXDIS	Mode 69	U1	1186.79	327.43	0.00	-359.363	4451.302	-2292.551
SXDIS	Mode 70	U1	488.92	140.43	0.00	103.917	3219.604	945.039
SXDIS	Mode 71	U1	58.37	-41.08	0.00	-0.943	129.854	-1537.189
SXDIS	Mode 72	U1	31.37	-250.46	0.00	199.963	201.736	-1844.325
SXDIS	Mode 73	U1	159.80	-18.92	0.00	71.388	255.651	-5590.601
SXDIS	Mode 74	U1	2961.77	84.67	0.00	-668.941	17822.707	

-44869.229

SXDIS	Mode 75	U1	2606.36	62.89	0.00	-44.467	11426.506	-21981.297
SXDIS	Mode 76	U1	119.38	-14.47	0.00	-18.727	717.003	-893.228
SXDIS	Mode 77	U1	521.89	469.98	0.00	91.444	4731.085	5619.546
SXDIS	Mode 78	U1	5354.52	-238.44	0.00	-452.153	31420.683	

-78003.629

SXDIS	Mode 79	U1	956.37	-24.48	0.00	220.776	6458.918	-25225.318
SXDIS	Mode 80	U1	5409.44	-115.20	0.00	522.187	26857.207	

-86673.221

SXDIS	Mode 81	U1	643.71	-267.96	0.00	294.551	5170.420	-19015.995
SXDIS	Mode 82	U1	226.46	287.09	0.00	85.588	1489.756	3871.743
SXDIS	Mode 83	U1	44.59	187.60	0.00	-168.850	252.577	8581.297
SXDIS	Mode 84	U1	882.40	-1079.43	0.00	742.664	5171.123	

-41971.827

SXDIS	Mode 85	U1	7.14	-4.94	0.00	-27.721	164.271	-529.696
SXDIS	Mode 86	U1	412.44	370.84	0.00	-177.094	2154.200	7172.452
SXDIS	Mode 87	U1	428.13	566.25	0.00	-515.093	2034.998	10856.734
SXDIS	Mode 88	U1	73.75	-31.55	0.00	26.098	964.176	-3173.922
SXDIS	Mode 89	U1	7.59	-4.73	0.00	86.494	-145.781	353.700
SXDIS	Mode 90	U1	133.65	307.95	0.00	-34.387	669.127	1670.673
SXDIS	Mode 91	U1	162.37	405.60	0.00	-674.940	555.761	-139.491
SXDIS	Mode 92	U1	206.81	-269.21	0.00	419.418	1237.742	-625.430
SXDIS	Mode 93	U1	702.37	-617.89	0.00	745.714	2642.696	-10207.670
SXDIS	Mode 94	U1	7.62	15.16	0.00	17.545	59.814	-64.840
SXDIS	Mode 95	U1	10.41	-27.81	0.00	65.404	55.965	-630.755
SXDIS	Mode 96	U1	243.36	-148.17	0.00	-42.518	-888.372	-6221.532
SXDIS	Mode 97	U1	407.24	182.98	0.00	-313.115	1239.435	-5808.495

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SXDIS	Mode 98	U1	622.48	-12.02	0.00	-192.639	1457.906	-1004.409
SXDIS	Mode 99	U1	36.67	-72.85	0.00	90.568	234.567	-1944.425
SXDIS	Mode 100	U1	2.26	-2.17	0.00	2.000	7.572	-80.713
SXDIS	All	All	31366.97	2315.71	0.00	13557.478	176081.751	
311814.944								



DERIVAS

ÍNDICES DE FLEXIBILIDAD



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STORY2	362	SXDIS	0.15	0.11	0.0389	0.01761	0.01011	0.28954	STORY2	362	SYDIS	0.028	1.05	0.0741	0.14773	0.00782	0.1923	0.104	0.696	0.045	2.31	15.47	NO PASA	NO PASA
STORY1	362	SXDIS	0.07	0.04	0.0278	0.01465	0.01019	0.1044	STORY1	362	SYDIS	0.01	0.35	0.0528	0.13594	0.00529	0.08077	0.081	0.353	0.031	2.64	11.46	NO PASA	NO PASA
BASE	362	SXDIS	0	0	0	0.0018	0.00776	0.00492	BASE	362	SYDIS	0	0	0	0.01784	0.00129	0.00741							
STORY2	363	SXDIS	0.18	0.08	0.0443	0.01106	0.01155	0.3133	STORY2	363	SYDIS	0.033	0.5	0.0666	0.05267	0.00968	0.05532	0.095	0.293	0.045	2.11	6.52	NO PASA	NO PASA
STORY1	363	SXDIS	0.1	0.04	0.035	0.01053	0.01267	0.14346	STORY1	363	SYDIS	0.017	0.2	0.0555	0.05424	0.00876	0.02537	0.102	0.205	0.031	3.32	6.66	NO PASA	NO PASA
BASE	363	SXDIS	0	0	0	0.00237	0.00821	0.0119	BASE	363	SYDIS	0	0	0	0.01127	0.00155	0.01185							
STORY2	367	SXDIS	1.15	0.08	0.0261	0.01006	0.14328	0.49415	STORY2	367	SYDIS	0.237	0.49	0.0635	0.04519	0.00904	0.09197	0.516	0.295	0.045	11.47	6.56	NO PASA	NO PASA
STORY1	367	SXDIS	0.64	0.04	0.0207	0.00978	0.14153	0.28978	STORY1	367	SYDIS	0.189	0.2	0.0747	0.04729	0.02958	0.09038	0.637	0.278	0.031	20.68	9.02	NO PASA	NO PASA
BASE	367	SXDIS	0	0	0	0.00137	0.18745	0.01132	BASE	367	SYDIS	0	0	0	0.00635	0.06162	0.00893							
STORY2	368	SXDIS	1.61	0.08	0.0133	0.0082	0.22071	0.36407	STORY2	368	SYDIS	0.247	0.49	0.0267	0.03999	0.01031	0.08849	0.723	0.293	0.045	16.07	6.51	NO PASA	NO PASA
STORY1	368	SXDIS	0.88	0.04	0.0105	0.00902	0.19162	0.1947	STORY1	368	SYDIS	0.214	0.2	0.0587	0.05489	0.02907	0.07386	0.884	0.295	0.031	28.70	9.59	NO PASA	NO PASA
BASE	368	SXDIS	0	0	0	0.0014	0.26798	0.02635	BASE	368	SYDIS	0	0	0	0.00728	0.06916	0.00997							
STORY2	369	SXDIS	2.22	0.08	0.017	0.00807	0.28366	0.1374	STORY2	369	SYDIS	0.121	0.5	0.0992	0.04171	0.02681	0.12587	1.001	0.290	0.045	22.24	6.45	NO PASA	NO PASA
STORY1	369	SXDIS	1.22	0.04	0.0178	0.00932	0.25945	0.1272	STORY1	369	SYDIS	0.104	0.21	0.1069	0.05679	0.01286	0.09359	1.225	0.230	0.031	39.78	7.47	NO PASA	NO PASA
BASE	369	SXDIS	0	0	0	0.00143	0.36263	0.03422	BASE	369	SYDIS	0	0	0	0.00707	0.03543	0.00763							
STORY2	371	SXDIS	1.86	0.08	0.0263	0.01024	0.22245	0.56049	STORY2	371	SYDIS	0.22	0.5	0.0431	0.02462	0.032	0.07103	0.856	0.302	0.045	19.02	6.71	NO PASA	NO PASA
STORY1	371	SXDIS	1	0.04	0.0176	0.01369	0.21662	0.38487	STORY1	371	SYDIS	0.136	0.21	0.0622	0.06766	0.02355	0.06987	1.002	0.247	0.031	32.54	8.02	NO PASA	NO PASA
BASE	371	SXDIS	0	0	0	0.00016	0.28262	0.00838	BASE	371	SYDIS	0	0	0	0.00088	0.04373	0.00277							
STORY2	374	SXDIS	0.93	0.08	0.0443	0.00992	0.10375	0.52284	STORY2	374	SYDIS	0.2	0.5	0.0347	0.04788	0.03077	0.09184	0.396	0.301	0.045	8.79	6.70	NO PASA	NO PASA
STORY1	374	SXDIS	0.54	0.04	0.0472	0.01029	0.12122	0.28631	STORY1	374	SYDIS	0.128	0.21	0.0465	0.04935	0.03285	0.05796	0.539	0.242	0.031	17.50	7.87	NO PASA	NO PASA
BASE	374	SXDIS	0	0	0	0.03437	0.14993	0.01377	BASE	374	SYDIS	0	0	0	0.01653	0.05701	0.00579							
STORY2	376	SXDIS	1.39	0.08	0.0265	0.01045	0.1699	0.57909	STORY2	376	SYDIS	0.233	0.5	0.0175	0.02544	0.03139	0.06635	0.633	0.305	0.045	14.08	6.78	NO PASA	NO PASA
STORY1	376	SXDIS	0.76	0.04	0.0215	0.01389	0.16732	0.37043	STORY1	376	SYDIS	0.144	0.21	0.008	0.06763	0.02502	0.06603	0.759	0.251	0.031	24.63	8.14	NO PASA	NO PASA
BASE	376	SXDIS	0	0	0	0.00016	0.22949	0.00879	BASE	376	SYDIS	0	0	0	0.00089	0.04491	0.00262							
STORY2	380	SXDIS	0.83	0.15	0.0263	0.01392	0.06431	0.24073	STORY2	380	SYDIS	0.31	0.61	0.1052	0.05522	0.04519	0.2656	0.371	0.376	0.045	8.24	8.35	NO PASA	NO PASA
STORY1	380	SXDIS	0.47	0.06	0.03	0.01872	0.07513	0.18579	STORY1	380	SYDIS	0.184	0.26	0.1226	0.0766	0.03047	0.24819	0.477	0.318	0.031	15.47	10.34	NO PASA	NO PASA
BASE	380	SXDIS	0	0	0	0.00162	0.15378	0.02277	BASE	380	SYDIS	0	0	0	0.00672	0.06507	0.01271							
STORY2	381	SXDIS	0.17	0.16	0.0079	0.0163	0.00866	0.20368	STORY2	381	SYDIS	0.029	0.63	0.0268	0.06556	0.00492	0.2681	0.120	0.360	0.045	2.66	8.00	NO PASA	NO PASA
STORY1	381	SXDIS	0.09	0.07	0.0053	0.02011	0.01057	0.10278	STORY1	381	SYDIS	0.016	0.27	0.0193	0.08193	0.00495	0.18881	0.113	0.274	0.031	3.67	8.89	NO PASA	NO PASA
BASE	381	SXDIS	0	0	0	0.00368	0.01184	0.01542	BASE	381	SYDIS	0	0	0	0.01834	0.00482	0.02537							
STORY2	382	SXDIS	1.26	0.15	0.0031	0.00944	0.16005	0.36506	STORY2	382	SYDIS	0.928	0.62	0.0083	0.03786	0.09565	0.23885	0.465	0.373	0.045	10.32	8.30	NO PASA	NO PASA
STORY1	382	SXDIS	0.8	0.06	0.0048	0.01905	0.14595	0.25775	STORY1	382	SYDIS	0.816	0.26	0.0197	0.07748	0.10995	0.23121	0.802	0.858	0.031	26.05	27.86	NO PASA	NO PASA
BASE	382	SXDIS	0	0	0	0.00038	0.24188	0.01203	BASE	382	SYDIS	0	0	0	0.0016	0.26046	0.01332							
STORY2	383	SXDIS	0.93	0.15	0.0119	0.00928	0.13366	0.41315	STORY2	383	SYDIS	0.735	0.62	0.0452	0.0372	0.08389	0.28794	0.377	0.379	0.045	8.38	8.42	NO PASA	NO PASA
STORY1	383	SXDIS	0.56	0.06	0.0163	0.01907	0.10923	0.27584	STORY1	383	SYDIS	0.608	0.27	0.0651	0.07756	0.08903	0.261	0.567	0.663	0.031	18.42	21.54	NO PASA	NO PASA
BASE	383	SXDIS	0	0	0	0.00038	0.19113	0.01224	BASE	383	SYDIS	0	0	0	0.00159	0.21685	0.01373							
STORY2	387	SXDIS	1.32	0.15	0.0117	0.01428	0.16054	0.26232	STORY2	387	SYDIS	0.873	0.62	0.0391	0.05665	0.09485	0.309	0.489	0.367	0.045	10.86	8.15	NO PASA	NO PASA
STORY1	387	SXDIS	0.84	0.06	0.017	0.01827	0.16233	0.20336	STORY1	387	SYDIS	0.786	0.26	0.0676	0.07466	0.10816	0.27096	0.838	0.828	0.031	27.22	26.90	NO PASA	NO PASA
BASE	387	SXDIS	0	0	0	0.00168	0.25437	0.01896	BASE	387	SYDIS	0	0	0	0.00698	0.25171	0.01578							
STORY2	389	SXDIS	0.47	0.15	0.0157	0.01507	0.05738	0.35477	STORY2	389	SYDIS	0.405	0.63	0.063	0.06069	0.04318	0.2963	0.235	0.377	0.045	5.21	8.37	NO PASA	NO PASA
STORY1	389	SXDIS	0.25	0.07	0.0219	0.01892	0.05954	0.19764	STORY1	389	SYDIS	0.287	0.27	0.0908	0.07689	0.05028	0.23013	0.259	0.394	0.031	8.42	12.80	NO PASA	NO PASA
BASE	389	SXDIS	0	0	0	0.00046	0.07294	0.011	BASE	389	SYDIS	0	0	0	0.00172	0.08424	0.01978							
STORY2	390	SXDIS	0.54	0.15	0.0425	0.01601	0.05732	0.19512	STORY2	390	SYDIS	0.289	0.61	0.1306	0.05918	0.03205	0.1488	0.331	0.392	0.045	7.35	8.72	NO PASA	NO PASA
STORY1	390	SXDIS	0.22	0.06	0.0422	0.01531	0.07228	0.11794	STORY1	390	SYDIS	0.116	0.26	0.1097	0.0528	0.04119	0.08782	0.230	0.284	0.031	7.47	9.22	NO PASA	NO PASA
BASE	390	SXDIS	0	0	0	0.00349	0.00421	0.01243	BASE	390	SYDIS	0	0	0	0.01421	0.00233	0.01095							
STORY2	391	SXDIS	0.13	0.14	0.0063	0.02002	0.00386	0.1258	STORY2	391	SYDIS	0.012	0.52	0.0143	0.05578	0.00289	0.30749	0.101	0.296	0.045	2.24	6.59	NO PASA	NO PASA
STORY1	391	SXDIS	0.08	0.06	0.0047	0.01862	0.00617	0.09463	STORY1	391	SYDIS	0.006	0.23	0.0123	0.06946	0.00419	0.17931	0.097	0.225	0.031	3.16	7.32	NO PASA	NO PASA
BASE	391	SXDIS	0	0	0	0.00334	0.0101	0.01287	BASE	391	SYDIS	0	0	0	0.01544	0.00315	0.02091							
STORY2	392	SXDIS	0.6	0.14	0.0516	0.01705	0.07659	0.16297	STORY2	392	SYDIS	0.145	0.5	0.0397	0.05351	0.01997	0.17643	0.387	0.305	0.045	8.59	6.78	NO PASA	NO PASA
STORY1	392	SXDIS	0.22	0.06	0.0487	0.02037	0.07864	0.1138	STORY1	392	SYDIS	0.053	0.21	0.0439	0.06666	0.02015	0.11497	0.225	0.219	0.031	7.30	7.11	NO PASA	NO PASA
BASE	392	SXDIS	0	0	0	0.00037	0.00462	0.00188	BASE	392	SYDIS	0	0	0	0.00144	0.00135	0.00124							
STORY2	394	SXDIS	1.95	0.11	0.0237	0.01615	0.21867	0.48277	STORY2	394	SYDIS	0.671	1.05	0.2112	0.14001	0.07087	0.0489	0.924	0.757	0.045	20.54	16.82	NO PASA	NO PASA
STORY1	394	SXDIS	1.03	0.04	0.0207	0.01548	0.23603	0.29211	STORY1	394	SYDIS	0.371	1.35	0.1926	0.14461	0.07854	0.03483	1.026	0.513	0.031	33.31	16.66	NO PASA	NO PASA
BASE	394	SXDIS	0	0	0	0.00059	0.28409	0.00399	BASE	394	SYDIS	0	0	0	0.00448	0.10724	0.00466							

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STORY1	395	SXDIS	0.07	0.04	0.003	0.01086	0.00675	0.02326	STORY1	395	SYDIS	0.005	1.02	0.0067	0.27434	0.00077	0.06012	0.081	1.018	0.031	2.64	33.05	NO PASA	NO PASA
BASE	395	SXDIS	0	0	0	0.01194	0.00895	0.00848	BASE	395	SYDIS	0	0	0	0.26926	0.00073	0.00775							
STORY2	396	SXDIS	0.14	0.06	0.0049	0.00616	0.00714	0.23517	STORY2	396	SYDIS	0.022	0.89	0.05	0.08727	0.00642	0.13268	0.080	0.549	0.045	1.79	12.20	NO PASA	NO PASA
STORY1	396	SXDIS	0.07	0.02	0.0021	0.00715	0.00709	0.06506	STORY1	396	SYDIS	0.006	0.34	0.0293	0.11113	0.00404	0.05821	0.071	0.337	0.031	2.31	10.93	NO PASA	NO PASA
BASE	396	SXDIS	0	0	0	0.00126	0.00621	0.00608	BASE	396	SYDIS	0	0	0	0.0231	0.00081	0.00442							
STORY2	397	SXDIS	0.19	0.06	0.0047	0.00552	0.00715	0.21254	STORY2	397	SYDIS	0.037	0.93	0.0129	0.06696	0.00548	0.14678	0.081	0.537	0.045	1.81	11.93	NO PASA	NO PASA
STORY1	397	SXDIS	0.11	0.02	0.0035	0.00743	0.00988	0.1335	STORY1	397	SYDIS	0.018	0.39	0.0083	0.06269	0.00437	0.05708	0.117	0.390	0.031	3.79	12.66	NO PASA	NO PASA
BASE	397	SXDIS	0	0	0	0.01158	0.01534	0.06675	BASE	397	SYDIS	0	0	0	0.1467	0.00297	0.03772							
STORY2	398	SXDIS	0.14	0.12	0.0099	0.01596	0.00694	0.09241	STORY2	398	SYDIS	0.017	0.42	0.0421	0.03986	0.00503	0.11104	0.102	0.217	0.045	2.26	4.82	NO PASA	NO PASA
STORY1	398	SXDIS	0.07	0.05	0.0073	0.01133	0.00709	0.02543	STORY1	398	SYDIS	0.005	0.2	0.0291	0.03979	0.0021	0.05543	0.084	0.200	0.031	2.72	6.50	NO PASA	NO PASA
BASE	398	SXDIS	0	0	0	0.00898	0.00784	0.00515	BASE	398	SYDIS	0	0	0	0.03943	0.00161	0.01125							
STORY2	399	SXDIS	0.55	0.13	0.0444	0.0151	0.061	0.20143	STORY2	399	SYDIS	0.293	0.48	0.1141	0.04921	0.03557	0.09081	0.331	0.330	0.045	7.36	7.33	NO PASA	NO PASA
STORY1	399	SXDIS	0.23	0.05	0.0368	0.0144	0.07264	0.12915	STORY1	399	SYDIS	0.117	0.2	0.0832	0.05038	0.03872	0.05455	0.237	0.236	0.031	7.69	7.66	NO PASA	NO PASA
BASE	399	SXDIS	0	0	0	0.00129	0.00804	0.00264	BASE	399	SYDIS	0	0	0	0.00464	0.00386	0.002							
STORY2	400	SXDIS	1.09	0.11	0.0126	0.0158	0.13764	0.49061	STORY2	400	SYDIS	0.6	1.05	0.0902	0.13628	0.06386	0.08313	0.536	0.749	0.045	11.92	16.64	NO PASA	NO PASA
STORY1	400	SXDIS	0.56	0.04	0.0127	0.01521	0.13134	0.28448	STORY1	400	SYDIS	0.321	0.35	0.1165	0.14201	0.07153	0.04475	0.557	0.477	0.031	18.08	15.49	NO PASA	NO PASA
BASE	400	SXDIS	0	0	0	0.00061	0.16166	0.0065	BASE	400	SYDIS	0	0	0	0.00464	0.09313	0.00448							
STORY2	401	SXDIS	0.47	0.14	0.0346	0.01682	0.08378	0.17062	STORY2	401	SYDIS	0.409	0.51	0.0757	0.04994	0.05503	0.15345	0.208	0.332	0.045	4.63	7.38	NO PASA	NO PASA
STORY1	401	SXDIS	0.28	0.06	0.0263	0.0205	0.0558	0.12425	STORY1	401	SYDIS	0.254	0.22	0.0918	0.06102	0.04778	0.10737	0.281	0.333	0.031	9.13	10.83	NO PASA	NO PASA
BASE	401	SXDIS	0	0	0	0.00127	0.09401	0.00997	BASE	401	SYDIS	0	0	0	0.005	0.08069	0.00728							
STORY2	402	SXDIS	0.61	0.06	0.0157	0.00651	0.06219	0.31796	STORY2	402	SYDIS	0.142	0.89	0.2353	0.10026	0.03378	0.05929	0.370	0.551	0.045	8.21	12.25	NO PASA	NO PASA
STORY1	402	SXDIS	0.25	0.02	0.0136	0.00659	0.06455	0.19685	STORY1	402	SYDIS	0.052	0.35	0.2086	0.10228	0.01394	0.03201	0.247	0.350	0.031	8.01	11.35	NO PASA	NO PASA
BASE	402	SXDIS	0	0	0	0.00078	0.06272	0.03628	BASE	402	SYDIS	0	0	0	0.01274	0.01487	0.01289							
STORY2	403	SXDIS	0.61	0.12	0.0632	0.0141	0.07188	0.10413	STORY2	403	SYDIS	0.143	0.41	0.1188	0.03603	0.02188	0.20295	0.379	0.230	0.045	8.43	5.11	NO PASA	NO PASA
STORY1	403	SXDIS	0.23	0.05	0.0541	0.01274	0.08227	0.06907	STORY1	403	SYDIS	0.053	0.2	0.0922	0.03202	0.02342	0.12495	0.240	0.206	0.031	7.78	6.69	NO PASA	NO PASA
BASE	403	SXDIS	0	0	0	0.00389	0.00496	0.00809	BASE	403	SYDIS	0	0	0	0.01457	0.00129	0.00927							
STORY2	404	SXDIS	0.6	0.29	0.0197	0.02833	0.07959	0.08097	STORY2	404	SYDIS	0.143	0.8	0.0146	0.0568	0.0195	0.26519	0.415	0.460	0.045	9.22	10.23	NO PASA	NO PASA
STORY1	404	SXDIS	0.22	0.12	0.0143	0.0215	0.07332	0.07322	STORY1	404	SYDIS	0.051	0.35	0.0098	0.05933	0.01744	0.18387	0.247	0.354	0.031	8.03	11.51	NO PASA	NO PASA
BASE	404	SXDIS	0	0	0	0.03492	0.00272	0.00621	BASE	404	SYDIS	0	0	0	0.10439	0.00064	0.00376							
STORY2	408	SXDIS	0.55	0.45	0.063	0.05105	0.05708	0.24223	STORY2	408	SYDIS	0.292	0.66	0.0986	0.06443	0.03379	0.40002	0.354	0.356	0.045	7.87	7.91	NO PASA	NO PASA
STORY1	408	SXDIS	0.23	0.3	0.0814	0.05422	0.06895	0.19911	STORY1	408	SYDIS	0.117	0.35	0.0793	0.09387	0.03716	0.2169	0.377	0.371	0.031	12.23	12.06	NO PASA	NO PASA
BASE	408	SXDIS	0	0	0	0.09096	0.00222	0.00925	BASE	408	SYDIS	0	0	0	0.10673	0.00117	0.01402							
STORY2	409	SXDIS	0.55	0.72	0.0293	0.09218	0.04189	0.14647	STORY2	409	SYDIS	0.29	1.45	0.0281	0.14427	0.02373	0.72384	0.356	0.592	0.045	7.91	13.16	NO PASA	NO PASA
STORY1	409	SXDIS	0.23	0.57	0.0573	0.08078	0.07602	0.13217	STORY1	409	SYDIS	0.116	0.88	0.0321	0.18191	0.04027	0.4457	0.609	0.887	0.031	19.77	28.80	NO PASA	NO PASA
BASE	409	SXDIS	0	0	0	0.19721	0.0022	0.02579	BASE	409	SYDIS	0	0	0	0.28354	0.00107	0.02434							
STORY2	410	SXDIS	0.54	0.74	0.0396	0.09105	0.04224	0.11643	STORY2	410	SYDIS	0.29	2.43	0.0243	0.22317	0.02355	0.67175	0.342	0.961	0.045	7.60	21.35	NO PASA	NO PASA
STORY1	410	SXDIS	0.22	0.62	0.0637	0.07865	0.07615	0.10099	STORY1	410	SYDIS	0.116	1.48	0.0354	0.2863	0.04032	0.42886	0.657	1.488	0.031	21.32	48.32	NO PASA	NO PASA
BASE	410	SXDIS	0	0	0	0.21099	0.0022	0.02699	BASE	410	SYDIS	0	0	0	0.43352	0.00107	0.02536							
STORY2	411	SXDIS	0.54	0.34	0.0357	0.03656	0.04373	0.42737	STORY2	411	SYDIS	0.289	3.01	0.019	0.27973	0.0232	0.35691	0.322	1.234	0.045	7.15	27.42	NO PASA	NO PASA
STORY1	411	SXDIS	0.22	0.29	0.0595	0.03371	0.07497	0.36287	STORY1	411	SYDIS	0.116	1.79	0.0316	0.3529	0.03977	0.31079	0.367	1.794	0.031	11.91	58.24	NO PASA	NO PASA
BASE	411	SXDIS	0	0	0	0.07641	0.00217	0.00658	BASE	411	SYDIS	0	0	0	0.53684	0.00108	0.02455							
STORY2	412	SXDIS	0.54	0.36	0.035	0.03406	0.04375	0.42344	STORY2	412	SYDIS	0.288	3.03	0.0192	0.28134	0.02321	0.35337	0.327	1.246	0.045	7.26	27.70	NO PASA	NO PASA
STORY1	412	SXDIS	0.22	0.29	0.0596	0.03587	0.07499	0.36348	STORY1	412	SYDIS	0.116	1.79	0.0318	0.35469	0.03978	0.31368	0.362	1.798	0.031	11.76	58.37	NO PASA	NO PASA
BASE	412	SXDIS	0	0	0	0.07342	0.00217	0.00566	BASE	412	SYDIS	0	0	0	0.53729	0.00108	0.02469							
STORY2	413	SXDIS	0.54	0.75	0.0399	0.08902	0.04212	0.12053	STORY2	413	SYDIS	0.288	2.48	0.026	0.22761	0.02387	0.67168	0.346	0.987	0.045	7.69	21.93	NO PASA	NO PASA
STORY1	413	SXDIS	0.22	0.61	0.0628	0.07944	0.07512	0.09795	STORY1	413	SYDIS	0.116	1.51	0.0358	0.29174	0.04	0.42673	0.651	1.510	0.031	21.14	49.02	NO PASA	NO PASA
BASE	413	SXDIS	0	0	0	0.20904	0.00213	0.02707	BASE	413	SYDIS	0	0	0	0.44063	0.00106	0.02625							
STORY2	414	SXDIS	0.54	0.72	0.0291	0.09411	0.04181	0.14963	STORY2	414	SYDIS	0.288	1.54	0.0336	0.15165	0.02428	0.7273	0.357	0.623	0.045	7.92	13.85	NO PASA	NO PASA
STORY1	414	SXDIS	0.22	0.56	0.0566	0.08011	0.07502	0.13171	STORY1	414	SYDIS	0.116	0.94	0.033	0.19141	0.03996	0.43992	0.599	0.945	0.031	19.46	30.67	NO PASA	NO PASA
BASE	414	SXDIS	0	0	0	0.19432	0.00214	0.0252	BASE	414	SYDIS	0	0	0	0.2999	0.00107	0.02561							
STORY2	415	SXDIS	0.54	0.44	0.0649	0.05694	0.05378	0.24477	STORY2	415	SYDIS	0.288	0.8	0.1206	0.08051	0.03061	0.43893	0.352	0.405	0.045	7.82	9.00	NO PASA	NO PASA
STORY1	415	SXDIS	0.22	0.29	0.0795	0.05255	0.06907	0.20306	STORY1	415	SYDIS	0.116	0.43	0.0926	0.10818	0.04011	0.24669	0.363	0.449	0.031	11.77	14.59	NO PASA	NO PASA
BASE	415	SXDIS	0	0	0	0.08779	0.00226	0.01361	BASE	415	SYDIS	0	0	0	0.13416	0.00135	0.01704							
STORY2	417	SXDIS	0.71	0.14	0.0587	0.01459	0.06787	0.23081	STORY2	417	SYDIS	0.314	0.49	0.1635	0.04862	0.03678	0.0769	0.369	0.331	0.045	8.20	7.36	NO PASA	

CHEQUEO DE DERIVAS MAXIMAS PERMITIDAS POR LA NSR - 10

STORY2	451	SXDIS	0.35	0.29	0.0181	0.03055	0.03467	0.27012	STORY2	451	SYDIS	0.268	0.8	0.0499	0.08136	0.02615	0.21501	0.204	0.469	0.045	4.52	10.42	NO PASA	NO PASA
STORY1	451	SXDIS	0.24	0.12	0.0292	0.03947	0.04907	0.18749	STORY1	451	SYDIS	0.175	0.34	0.0818	0.10797	0.03104	0.15416	0.270	0.383	0.031	8.75	12.43	NO PASA	NO PASA
BASE	451	SXDIS	0	0	0	0.00069	0.071	0.01303	BASE	451	SYDIS	0	0	0	0.00189	0.04896	0.00434							
STORY2	452	SXDIS	0.76	0.29	0.0052	0.02005	0.08959	0.50728	STORY2	452	SYDIS	0.394	0.8	0.0141	0.05379	0.03793	0.08959	0.272	0.475	0.045	6.04	10.57	NO PASA	NO PASA
STORY1	452	SXDIS	0.55	0.12	0.0026	0.03699	0.0978	0.35248	STORY1	452	SYDIS	0.268	0.34	0.0065	0.10168	0.04427	0.07805	0.562	0.432	0.031	18.23	14.04	NO PASA	NO PASA
BASE	452	SXDIS	0	0	0	0.00017	0.19004	0.00435	BASE	452	SYDIS	0	0	0	0.00048	0.08625	0.00155							
STORY2	454	SXDIS	1.53	0.29	0.0167	0.02319	0.135	0.30793	STORY2	454	SYDIS	0.309	0.8	0.0461	0.06276	0.04213	0.17038	0.529	0.463	0.045	11.75	10.30	NO PASA	NO PASA
STORY1	454	SXDIS	1.03	0.12	0.016	0.03839	0.18136	0.26443	STORY1	454	SYDIS	0.231	0.34	0.0441	0.10601	0.03698	0.13238	1.033	0.412	0.031	33.55	13.37	NO PASA	NO PASA
BASE	454	SXDIS	0	0	0	0.00022	0.3161	0.00455	BASE	454	SYDIS	0	0	0	0.00062	0.07607	0.00133							
STORY2	455	SXDIS	1.51	0.29	0.0148	0.02662	0.13957	0.28664	STORY2	455	SYDIS	0.252	0.8	0.0423	0.07307	0.03977	0.1479	0.537	0.457	0.045	11.93	10.17	NO PASA	NO PASA
STORY1	455	SXDIS	1	0.12	0.006	0.04583	0.18102	0.22956	STORY1	455	SYDIS	0.218	0.34	0.0175	0.12818	0.03032	0.09951	1.012	0.405	0.031	32.86	13.17	NO PASA	NO PASA
BASE	455	SXDIS	0	0	0	0.00049	0.30209	0.01224	BASE	455	SYDIS	0	0	0	0.00147	0.07272	0.00391							
STORY2	456	SXDIS	1.21	0.29	0.0425	0.02679	0.12376	0.33716	STORY2	456	SYDIS	0.239	0.8	0.1155	0.0735	0.03631	0.13876	0.446	0.456	0.045	9.92	10.12	NO PASA	NO PASA
STORY1	456	SXDIS	0.8	0.12	0.0467	0.04627	0.14969	0.22962	STORY1	456	SYDIS	0.211	0.34	0.1294	0.1294	0.02748	0.09438	0.810	0.404	0.031	26.29	13.12	NO PASA	NO PASA
BASE	456	SXDIS	0	0	0	0.00049	0.25842	0.01261	BASE	456	SYDIS	0	0	0	0.00145	0.07214	0.004							
STORY2	466	SXDIS	0.99	0.29	0.0151	0.02007	0.10496	0.50556	STORY2	466	SYDIS	0.403	0.8	0.0414	0.05386	0.04008	0.09059	0.333	0.475	0.045	7.40	10.56	NO PASA	NO PASA
STORY1	466	SXDIS	0.71	0.12	0.0165	0.03704	0.12068	0.35256	STORY1	466	SYDIS	0.276	0.34	0.046	0.1018	0.04564	0.07916	0.717	0.438	0.031	23.29	14.22	NO PASA	NO PASA
BASE	466	SXDIS	0	0	0	0.00017	0.21255	0.00407	BASE	466	SYDIS	0	0	0	0.00048	0.08758	0.00155							
STORY2	467	SXDIS	1.4	0.29	0.0042	0.02311	0.12774	0.32978	STORY2	467	SYDIS	0.353	0.8	0.0133	0.06253	0.04368	0.16661	0.473	0.468	0.045	10.51	10.41	NO PASA	NO PASA
STORY1	467	SXDIS	0.95	0.12	0.0074	0.03838	0.16779	0.26197	STORY1	467	SYDIS	0.251	0.34	0.0201	0.10599	0.04121	0.13149	0.963	0.423	0.031	31.25	13.72	NO PASA	NO PASA
BASE	467	SXDIS	0	0	0	0.00022	0.30237	0.00416	BASE	467	SYDIS	0	0	0	0.00062	0.07936	0.00129							



INDICES DE SOBRESFUERZO



HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.3	6.12	1.836	5.7305232	0.01377	-5.410846256	-11.14688795	-83.4204793	66.8627451	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-93.27075057	-94.36541501	-4.537037037	-183.0991285	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-9.117540262	-14.7168824	-115.1525054	91.31808279	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-92.76592336	-102.1469307	26.00762527	-220.9204793	NO CUMPLE	CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-8.190866761	-13.82438378	-107.2276688	85.2124183	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-92.89226366	-100.2014183	18.37690632	-211.4705882	NO CUMPLE	CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-51.67691913	-39.5662937	-110.0544662	97.94117647	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-137.7063309	-45.48539023	-23.05555556	-160.1361656	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	40.85522662	-61.85740527	-56.79738562	35.79520697	CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-48.84061686	-143.2508864	13.97603486	-206.0675381	NO CUMPLE	CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-66.73095818	86.31701482	-139.7385621	159.3246187	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-158.9562775	7.453009526	-52.45098039	-99.05228758	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	55.90979965	-108.6113247	-27.11328976	-25.58823529	CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-27.59067026	-196.1892862	43.38235294	-267.1623094	NO CUMPLE	CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-43.22076979	24.57153232	-127.3856209	108.7363834	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-126.5359477	-63.19172113	4.351851852	-194.0795207	NO CUMPLE	CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	26.83850229	-52.2197659	-87.05882353	61.67755991	CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-59.25402623	-137.216562	32.39651416	-228.8671024	NO CUMPLE	CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-54.62044513	59.96902901	-149.8638344	155.2124183	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-142.6223888	-23.10745867	-17.90849673	-147.8213508	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	38.23871161	-87.61779657	-64.58061002	15.20152505	CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-43.16160451	-177.2959118	54.65141612	-275.1089325	NO CUMPLE	CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-49.51236704	44.02217096	-76.67755991	71.18736383	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-100.3980307	-7.73922423	-21.24727669	-86.88997821	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	43.01977872	-57.39886368	-23.43137255	9.052287582	CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-11.52687001	-105.4992738	15.80065359	-132.8267974	NO CUMPLE	CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-64.56694007	90.77609039	-106.3616558	132.5708061	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-121.6425307	45.20462215	-50.6372549	-25.80065359	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	58.07435175	-104.1527831	6.252723312	-52.33115468	CUMPLE	CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	9.717629971	-158.4431202	45.19063181	-193.916122	CUMPLE	CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-112.6689521	-113.1698278	-173.8235294	-52.01525054	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-175.8868384	-194.4181725	-182.167756	-188.1372549	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-131.950959	-115.2276902	-208.3061002	-38.87254902	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-189.6736298	-201.9712504	-192.0206972	-199.624183	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-127.1290956	-114.711863	-199.6895425	-42.15141612	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-186.2257038	-200.0814858	-189.5588235	-196.748366	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-189.698193	6.059848776	-172.0261438	-11.61220044	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-279.2248708	-48.87970439	-173.1699346	-154.9346405	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-35.63479858	-232.3935239	-175.6263617	-92.40196078	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-72.54389337	-339.95066	-191.1601307	-221.3344227	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-156.0171302	175.0585245	-68.49673203	87.53812636	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-125.4149045	-0.020825324	-97.40196078	-28.03376906	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-69.31532744	-401.3927336	-279.1557734	-191.5522876	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-226.3593062	-388.8149857	-266.9335512	-348.2407407	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-185.4519629	-24.43910462	-198.3224401	-11.56862745	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-264.4737067	-89.89448503	-182.7505447	-171.6176471	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-68.80622837	-204.9846213	-201.0457516	-72.74509804	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-107.9836815	-310.2733991	-196.372549	-221.8845316	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-159.9530095	103.5151011	-119.9400871	63.50217865	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-148.010167	-52.8939724	-125.375817	-75.52832244	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-94.30518177	-332.9388269	-279.4389978	-147.8050109	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-224.4417745	-347.2684651	-253.7418301	-317.9684096	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-144.6346491	51.32310223	-102.5054466	9.193899782	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-208.8729762	28.88386945	-100.3104575	-79.67864924	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	9.434191977	-187.1248238	-106.0893246	-71.60130719	CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-2.192532787	-262.1865522	-118.3006536	-146.0784314	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-110.9541202	220.3223119	1.034858388	108.3333333	NO CUMPLE	CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-55.05756333	77.74819514	-24.52614379	47.2167756	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-24.24687086	-356.1234995	-209.6187364	-170.751634	NO CUMPLE	NO CUMPLE	
0.3	6.12	1.836	5.7305232	0.01377	-156.0079457	-311.0508779	-194.0740741	-272.9847495	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-83.49701071	-108.6891497	-155.1214534	-37.06470708	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-154.836082	-181.7673064	-168.6568687	-167.9465197	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-94.02053508	-124.5791791	-190.4592774	-28.14043682	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-165.6875786	-197.3293636	-182.1126761	-180.9042662	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-91.38861462	-120.6056699	-181.6207389	-30.37354562	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-162.9736838	-193.4378287	-178.7487242	-177.6627883	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-108.0399602	-53.15211985	-145.4011023	-15.79097775	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-184.5506131	-121.0586949	-167.6934068	-137.9159012	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-58.95610249	-164.2282208	-164.8397632	-58.34456011	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-125.1235921	-242.4779592	-169.6264544	-197.975097	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-103.310626	-3.572411331	-136.2216779	29.33864054	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-169.0672691	-82.2329963	-161.1961625	-90.10410288	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-63.68543663	-213.8079294	-174.0191876	-103.4741784	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-140.6069362	-281.3036578	-176.1196162	-245.7909778	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-109.971629	-78.55664209	-174.2641355	-14.26413554	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-185.4723404	-147.4731587	-178.0179628	-154.9275362	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-72.80764149	-162.656739	-188.983466	-46.48091447	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-140.4770685	-239.40454	-179.4815268	-200.4000816	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-106.3893227	-41.01627024	-167.3137375	19.90814452	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-173.7477274	-118.0750936	-173.1006328	-118.7221882	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-76.3879065	-200.1950696	-195.9318228	-80.6511533	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
Realizó:
Contiene:
Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.3	16.33	4.899	108.8675784	0.0367425	-152.1996403	-268.8005638	-184.4008981	-236.599306	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-74.63996114	-9.67520522	-83.35374566	-0.961420698	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-122.6150156	-48.35048756	-100.2286181	-70.73688508	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-25.55602847	-120.7513812	-102.7924066	-43.51500306	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-63.18791955	-169.7698269	-102.1616656	-130.7960808	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-69.910552	-39.9044283	-74.17432129	44.16819759	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-107.1315965	-9.524863979	-93.73137375	-22.92508675	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-30.28543761	-170.3310147	-111.971831	-88.64462135	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-78.67126363	-208.5955255	-108.6548275	-178.6119616	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	5.544921061	-9.390603854	-74.59889773	70.75321494	CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-85.57431957	-89.28993845	-0.353133293	-174.5111247	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	8.324622781	-13.39504532	-103.4945907	98.4241682	CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-85.97196623	-90.11703152	31.86160441	-207.9506022	NO CUMPLE	CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	7.629697351	-12.39393495	-96.27066748	91.50642988	CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-85.87257332	-89.9102395	23.8089406	-199.5917534	NO CUMPLE	CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-9.003329597	-70.87163033	-81.57991427	82.3637477	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-106.3211183	-63.91362347	-3.043478261	-167.1912635	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	20.09309672	-28.56829574	-67.6178812	59.14268218	CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-64.82752082	-114.6662534	2.341294142	-181.8350684	NO CUMPLE	CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	5.047452728	10.02501104	-130.6184936	145.6909573	CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-101.0737035	-54.87649041	-56.05633803	-99.89385589	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	6.044355629	-28.80410252	-18.57726067	-4.182486222	CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-70.07501062	-123.7033115	55.35415391	-249.132476	NO CUMPLE	CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-3.384551654	2.127152185	-101.5554195	100.29802	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-101.5820992	-70.6979579	-17.7179016	-194.0518473	NO CUMPLE	CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	18.64598759	-26.91298085	-90.98387426	82.716881	CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-70.16508862	-109.1245623	25.84813227	-205.1377832	NO CUMPLE	CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	7.251855516	2.305196944	-138.6874872	148.2445397	CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-97.60749504	-63.85402772	-18.36701368	-143.0945091	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	8.007539187	-27.09306685	-53.85384772	34.76832007	CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-74.1376516	-115.9664513	65.98489488	-256.0889978	NO CUMPLE	CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-11.22085978	13.54378282	-51.73913043	54.06205348	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-72.09184373	-28.19801134	-2.90263319	-97.38722188	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	17.87556654	-24.81167595	-37.7709737	30.84098796	CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-30.59817124	-78.95071629	2.482139212	-112.0310267	NO CUMPLE	CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	2.827881316	13.7795896	-100.779751	117.3872219	CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-66.84435393	-19.16095328	-55.91549296	-30.08981425	NO CUMPLE	NO CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	3.82682545	-25.04748273	11.26352317	-32.48418044	CUMPLE	CUMPLE	
0.3	16.33	4.899	108.8675784	0.0367425	-35.84566104	-87.98777435	55.49499898	-179.3284344	NO CUMPLE	CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-133.2488305	-66.8575244	-102.5236407	-97.58274232	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-175.8676626	-168.6358835	-171.5070922	-172.9964539	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-152.3612997	-76.52758916	-117.6832151	-111.2056738	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-188.7715658	-184.5263065	-185.856974	-187.4408983	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-147.5877722	-74.11435541	-113.9007092	-107.8014184	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-185.5457472	-180.5535436	-182.2695035	-183.8297872	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-187.1521805	66.56116393	-77.80141844	-42.78959811	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-228.5896082	-36.3985715	-156.4539007	-108.534279	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-79.34548061	-200.2762688	-127.2576832	-152.3640662	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-123.145717	-300.8731955	-186.5602837	-237.4586288	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-120.680675	152.9147176	-21.48345154	53.71749409	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-124.7117851	12.54866455	-128.4219858	16.25886525	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-145.8228962	-286.6357326	-183.5815603	-248.8770686	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-227.0294502	-349.8263417	-214.5981087	-362.2576832	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-188.3958302	26.90464849	-95.17730496	-66.31205674	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-225.4597354	-80.4267894	-170.8747045	-135.0118203	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-106.7731754	-175.1298979	-132.6182033	-149.28487	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-145.6258488	-280.6743876	-193.6702128	-232.6300236	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-138.0685076	92.28836578	-52.53546099	6.755319149	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-146.8095166	-43.36778834	-149.6394799	-40.53782506	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-157.1011267	-240.5111664	-175.2600473	-222.3522459	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-224.2760676	-317.7338887	-214.893617	-327.1158392	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-133.8501584	93.30642322	-36.78486998	-3.758865248	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-158.2427946	31.0560334	-87.84869976	-39.33806147	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-26.04345858	-173.5310095	-86.24113475	-113.3333333	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-52.79827473	-233.4192194	-117.9550827	-168.2624113	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-67.37865299	179.6599769	19.53309693	92.74822695	NO CUMPLE	CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-54.36434284	80.00264071	-59.81678487	85.45508274	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-92.5208742	-259.8904733	-142.5650118	-209.8463357	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-156.6826367	-282.3717368	-145.9929078	-293.0614657	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-31.57788844	22.71714186	-4.864066194	-3.942080378	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-77.44102409	-102.3580303	-90.84515366	-88.95390071	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-48.52333887	32.43586842	-10.59692671	-5.490543735	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-83.20582466	-103.8863739	-93.88888889	-93.20330969	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-44.28713344	30.01999396	-9.166666667	-5.100472813	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-81.76625924	-103.5056084	-93.13238771	-92.13947991	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-78.42953071	-87.60210754	-12.15130024	-21.32387707	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-122.2391982	-39.58113274	-86.95035461	-74.86997636	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	15.27375384	-42.05862381	2.423167849	-29.20803783	CUMPLE	CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-32.64222122	-165.1355566	-94.73995272	-103.0378251	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-86.45842764	134.9690659	-4.609929078	53.12056738	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-105.3343645	-17.15972537	-81.97990544	-40.5141844	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.3	5.64	1.692	4.4851536	0.01269	23.30856094	-89.41967205	-5.124113475	-60.98699764	CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-49.55296514	-187.5628741	-99.72813239	-137.3877069	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-79.75831196	79.10819375	-14.6749409	14.0248227	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-115.6825612	-55.9722851	-90.1891253	-81.46572104	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-8.815954932	-19.06820582	-3.646572104	-24.23758865	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-47.84341834	-151.0336502	-96.08156028	-102.7955083	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-85.84163271	-114.9669282	-8.971631206	38.09692671	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-102.8829033	-38.99652935	-86.41252955	-55.46690307	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-2.732005432	-54.92756904	-9.361702128	-48.29787234	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-60.64898647	-168.0153161	-99.85224586	-128.8120567	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-65.79862683	78.49366229	-10.21276596	22.90780142	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-91.26515266	1.359715306	-50.61465721	-39.29078014	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-27.90465771	-51.16706906	4.361702128	-27.62411348	CUMPLE	CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-1.668175645	-124.1947085	-58.40425532	-67.45862884	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-73.83343393	125.8547105	-2.665484634	54.68676123	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-74.35440873	23.78703285	-45.63829787	-4.929078014	NO CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	35.94009356	-98.52874604	-3.173758865	-59.41489362	CUMPLE	NO CUMPLE	
0.3	5.64	1.692	4.4851536	0.01269	-18.57363815	-146.6154871	-63.38652482	-101.8026005	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-131.4155112	-116.1555115	-128.4019886	-119.1690341	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-204.949356	-187.0108713	-192.8929924	-199.0672348	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-157.3775194	-132.3478594	-152.2111742	-137.5142045	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-230.2707472	-203.8438361	-212.7438447	-221.3707386	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-150.8864255	-128.2991805	-146.2594697	-132.9261364	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-223.9397571	-199.6350535	-207.7769886	-215.797822	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-162.1705043	-29.74237447	-110.1041667	-81.80871212	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-225.9853327	-110.3167506	-177.7154356	-158.5866477	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-100.660619	-202.5685477	-146.6950758	-156.5340909	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-183.9134801	-263.7048912	-208.0705492	-239.547822	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-38.85138898	99.20650261	-26.58380682	86.93892045	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-102.3349125	18.3008216	-113.3049242	29.27083333	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-223.9797343	-331.5174248	-230.2201705	-325.2769886	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-307.561432	-392.3201968	-272.4786932	-427.4029356	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-174.1728677	-62.87258684	-132.405303	-104.6401515	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-239.867478	-141.567181	-196.2855114	-185.1491477	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-127.6024516	-193.7280408	-160.1112689	-161.2192235	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-208.0144036	-257.7052933	-219.2755682	-246.4441288	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-80.80462831	34.7582268	-69.16903409	23.12263258	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-146.2484397	-44.18716641	-147.5189394	-42.91666667	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-220.970691	-291.3588544	-223.3475379	-288.9820076	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-301.6335429	-355.0852071	-268.0421402	-388.6766098	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-109.6037658	16.72024309	-58.74289773	-34.140625	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-144.0050563	-35.51198912	-100.5539773	-78.96306818	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-48.09398136	-156.1058292	-95.33380682	-108.8660038	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-101.9332037	-188.9001297	-130.9138258	-159.9195076	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	13.71534952	145.6691202	24.77746212	134.6070076	CUMPLE	CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-20.354737	93.10568397	-36.14346591	108.8944129	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-171.4129958	-285.0548072	-178.8589015	-277.6089015	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-225.5836239	-317.5177019	-195.3243371	-347.7769886	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-16.67707795	-11.23011902	-16.56723485	-11.33996212	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-99.12808169	-99.76869862	-97.43607955	-101.4607008	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-27.83589177	-19.85550217	-29.35606061	-18.33333333	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-107.5350204	-111.1392222	-104.8248106	-113.8494318	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-25.04495416	-17.69652311	-26.15767045	-16.58380682	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-105.4338776	-108.297183	-102.9782197	-110.7528409	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-35.21142713	24.69059379	-13.75	3.229166667	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-111.8648981	-69.64551857	-96.0250947	-85.48532197	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	1.857271221	-47.15083183	-19.3844697	-25.90909091	CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-86.39126528	-129.8918787	-98.85179924	-117.4313447	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	3.274948078	53.28281707	-4.865056818	61.42282197	CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-74.64306372	-39.78401962	-91.66429924	-22.76278409	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-36.63147141	-75.74542253	-28.2717803	-84.10511364	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-123.6106313	-159.7511111	-103.2054924	-180.15625	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-39.07866843	9.50069947	-24.02225379	-5.556344697	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-115.0780039	-85.49017788	-101.9081439	-98.66003788	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-11.01370819	-44.89538272	-28.2907197	-27.61837121	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-95.78965032	-131.1042891	-104.0482955	-122.8456439	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-9.937666796	31.14978801	-17.29640152	38.50852273	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-86.89621266	-62.88124946	-98.61032197	-51.16714015	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-40.15470983	-66.54510078	-35.01657197	-71.68323864	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-123.9714416	-153.7132175	-107.3461174	-170.3385417	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-28.54205675	29.1812613	-7.123579545	7.762784091	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-72.21319193	-29.73756564	-57.05018939	-44.90056818	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	8.526641593	-42.66016432	-12.75804924	-21.37547348	CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-46.73955912	-89.98392573	-59.87689394	-76.84659091	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	9.946685875	57.775852	1.758996212	65.96354167	CUMPLE	CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-34.99135756	0.123933314	-52.68939394	17.8219697	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-29.95973361	-71.2523876	-21.64299242	-79.56912879	NO CUMPLE	NO CUMPLE	
0.3	14.08	4.224	69.7827328	0.03168	-83.96129261	-119.8455256	-64.23295455	-139.5738636	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-125.7686848	-240.7622353	-259.3438914	-107.1870287	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-306.1025232	-281.1071299	-286.5158371	-300.693816	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-44.63722419	-393.3114938	-751.3423831	313.3936652	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B

Realizó:

Contiene:

Fecha:

SECCION			ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.3	4.42	1.326	2.1587722	0.009945	-248.7444975	-409.8980365	-742.0361991	83.39366516	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-64.91820397	-355.1722938	-628.3408748	208.2503771	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-263.0837479	-377.7005658	-628.1598793	-12.62443439	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-932.1281983	715.7782737	-3792.473605	3576.12368	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-1152.236372	715.1926319	-4647.948718	4210.904977	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	680.599394	-1197.296227	3273.778281	-3790.475113	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	540.0237847	-1277.414433	4074.894419	-4812.285068	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-3073.995926	2884.086423	-11666.97587	11477.06637	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-3321.489903	2910.886584	-16430.97285	16020.36953	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	2822.466097	-3365.603352	11148.29563	-11691.43288	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	2709.276291	-3473.107362	15857.91855	-16621.74962	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-675.454502	369.0593286	-3303.423831	2997.028658	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-903.7289709	376.6399814	-3930.392157	3403.303167	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	545.6180941	-1079.403916	2046.742081	-2580.527903	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	377.5604513	-1132.040089	2674.072398	-3428.552036	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-2297.148434	2010.783426	-9265.550528	8979.18552	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-2546.158555	2039.099732	-12851.80995	12344.75113	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	2167.312026	-2721.128014	8008.853695	-8562.669683	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	2019.997577	-2794.492298	11595.49774	-12369.99246	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-881.8241505	812.0805607	-3688.733032	3618.989442	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-1029.79406	827.6371969	-4533.340875	4331.184012	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	730.9034418	-1100.99394	3377.518854	-3747.609351	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	662.4660975	-1164.969868	4189.517345	-4692.021116	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-3023.690854	2980.387687	-11563.23529	11519.93213	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-3199.04759	3023.331149	-16316.36501	16140.64857	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	2872.770145	-3269.301065	11252.02112	-11648.55204	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	2831.719628	-3360.663821	15972.5264	-16501.47059	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	5.817653201	-28.53258533	-13.66515837	-9.049773756	CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-108.8633866	-84.92243539	-94.63046757	-99.15535445	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	10.09808486	-47.24012612	-23.09954751	-14.04977376	CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-122.0796394	-86.14057179	-99.99245852	-108.2277526	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	9.020631573	-42.56512629	-20.73906486	-12.80542986	CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-118.774616	-85.83792306	-98.64253394	-105.9728507	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-33.30152945	49.77211769	-29.2760181	45.74660633	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-176.6818179	22.08151621	-98.91402715	-55.68627451	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	44.93785959	-106.8383121	1.945701357	-63.84615385	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-41.0449554	-192.296387	-90.33182504	-142.6395173	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-91.03499109	128.6820499	-5.475113122	43.12217195	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-203.5232011	70.09937006	-89.12518854	-44.29864253	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	102.6713212	-185.7482443	-21.85520362	-61.22171946	CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-14.21111361	-239.9517823	-100.1282051	-154.0346908	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-20.5997352	16.72341544	-32.55656109	28.68024133	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-170.1264989	-4.820710742	-101.892911	-73.05429864	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	38.63997461	-101.8526443	-8.921568627	-54.29110106	CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-67.42842421	-166.8551354	-95.39215686	-138.8914027	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-64.30365881	76.47560451	-14.53242836	26.70437406	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-190.449827	31.53579984	-94.47963801	-64.43438914	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	82.35246344	-161.5983156	-26.95324284	-52.29260935	CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-47.11366134	-203.2181637	-102.8129713	-147.5188537	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-35.62427059	61.18988145	-23.80844646	49.37405732	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-133.1381763	56.04918682	-61.06334842	-16.02564103	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	42.60757697	-95.42808979	7.405731523	-60.22624434	CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	2.498686213	-157.9587164	-52.4811463	-102.9788839	CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-93.35773223	104.0998137	0.007541478	46.73453997	NO CUMPLE	CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	-159.972018	104.0745821	-51.26696833	-4.630467572	NO CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	100.3410386	-174.338022	-16.39517345	-57.60180995	CUMPLE	NO CUMPLE	
0.3	4.42	1.326	2.1587722	0.009945	29.34006948	-205.9765702	-62.26998492	-114.3665158	CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-64.0335188	-58.48693946	-43.47472643	-79.04573183	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-121.406971	-145.5146181	-130.6414089	-136.2801802	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-62.41046275	-62.60069631	-41.52250071	-83.48865834	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-121.7972931	-147.6149967	-130.0477472	-139.3645426	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-62.81659873	-61.57262906	-42.01092911	-82.37829868	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-121.700846	-147.090274	-130.1961288	-138.5942298	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-70.79622436	-31.14991461	-52.36247312	-49.58366585	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-142.2156657	-104.1286283	-140.0373321	-106.3069619	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-57.27215501	-85.8255983	-34.58927919	-108.5084741	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-100.5967884	-186.89912	-121.2448093	-166.251099	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-29.29538825	106.1827562	28.056431	48.83093695	NO CUMPLE	CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-57.66009559	-9.850691496	-311.0079669	243.4971798	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-98.77299112	-223.1582691	-115.0081833	-206.9230769	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-185.1523585	-281.1770567	49.72582543	-516.0552407	NO CUMPLE	CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-67.93672323	-40.87446558	-48.74004139	-60.07114742	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-137.4547057	-115.7546382	-137.3092478	-115.900096	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-57.69632812	-82.27093866	-35.28181683	-104.6854499	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-105.9439756	-178.424422	-123.081522	-161.2868756	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-36.51472252	63.10600358	12.14889559	14.44238547	NO CUMPLE	CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-73.43409559	-44.37277839	-266.7588698	148.9519958	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-89.11832883	-186.2514078	-96.17075381	-179.1989828	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-169.9645857	-249.8062817	6.367288418	-426.1381558	NO CUMPLE	CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-45.18168498	-7.753890084	-34.97139224	-17.96418282	NO CUMPLE	NO CUMPLE	
1.1	6.11	6.721	20.90908701	0.677700833	-93.6538285	-45.92361533	-87.78117434	-51.79626949	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
Realizó:
Contiene:
Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL				VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL			
1.1	6.11	6.721	20.90908701	0.677700833	-31.65761564	-62.42957377	-17.19738675	-76.88980265	NO CUMPLE	NO CUMPLE			
1.1	6.11	6.721	20.90908701	0.677700833	-52.03480505	-128.6942531	-68.98946315	-111.739595	NO CUMPLE	NO CUMPLE			
1.1	6.11	6.721	20.90908701	0.677700833	-3.682336746	129.5772929	45.446024	80.44893211	NO CUMPLE	CUMPLE			
1.1	6.11	6.721	20.90908701	0.677700833	-9.09825836	48.35432145	-258.7518091	298.0078722	NO CUMPLE	NO CUMPLE			
1.1	6.11	6.721	20.90908701	0.677700833	-73.15845174	-199.7622446	-97.61629087	-175.3044055	NO CUMPLE	NO CUMPLE			
1.1	6.11	6.721	20.90908701	0.677700833	-136.5903752	-222.9721899	101.9819832	-461.5445483	NO CUMPLE	CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-0.219270637	-8.427756096	-3.079650846	-5.567375887	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-98.66419694	-80.98664867	-88.77250409	-90.87834152	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-0.065332515	-10.70389825	-4.116202946	-6.653027823	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-102.2135062	-79.55954348	-89.87452264	-91.898527	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-0.104498988	-10.13554466	-3.857064921	-6.382978723	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-101.3242	-79.91420699	-89.59629023	-91.64211675	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-16.38843426	14.70812875	-31.86852155	30.18821604	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-113.8218495	-58.85681938	-99.33987998	-73.33878887	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	15.94716522	-31.56636871	25.70649209	-41.32569558	CUMPLE	CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-83.50354878	-103.1140181	-78.20512821	-108.4124386	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-2.665503235	74.44400842	-66.62302237	138.4015276	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-82.85317015	-16.36668801	-113.4206219	14.20076378	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	2.224234193	-91.30224838	60.46099291	-149.5390071	CUMPLE	CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-114.4722281	-145.6041494	-64.12438625	-195.9519913	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-12.34643466	7.381895652	-25.65466448	20.69012548	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-112.8024497	-63.16045262	-97.59956356	-78.36333879	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	12.13743668	-27.65298496	17.94053464	-33.45608292	CUMPLE	CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-89.84841017	-96.67095699	-81.59847245	-104.9208947	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-1.956158373	52.61082286	-51.96944899	102.6241135	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-89.35450993	-30.98918893	-108.2596836	-12.08401528	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	1.747160397	-72.88191217	44.25259138	-115.3873432	CUMPLE	CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-113.29635	-128.8422207	-70.93562466	-171.202946	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-16.30077958	18.07928476	-30.63829787	32.41680306	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-74.35611712	-26.46221348	-63.82978723	-36.98854337	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	16.0348199	-28.1952127	26.93944354	-39.09983633	CUMPLE	CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-44.03808429	-70.71914429	-42.69503546	-72.06219313	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-2.577848554	77.81516443	-65.39007092	140.6273868	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-43.38770567	16.02818575	-77.91052919	50.55100927	NO CUMPLE	NO CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	2.311888875	-87.93109237	61.69121658	-147.3104201	CUMPLE	CUMPLE			
0.6	6.11	3.666	11.40495655	0.10998	-75.00649575	-113.2095435	-28.61429351	-159.6017458	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-78.36914128	-42.90998161	-49.73670003	-71.54242286	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-124.3717789	-141.306613	-127.0868807	-138.5915113	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-82.27728409	-40.25355191	-48.34669214	-74.18414386	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-125.154312	-141.1757931	-125.0265792	-141.90352529	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-81.30139046	-40.91880141	-48.69471324	-73.52547863	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-124.9597347	-141.6597262	-125.5427966	-141.0766643	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-99.5565686	-0.590526869	-56.75983222	-43.38635325	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-141.9709213	-102.5745332	-130.7286432	-113.8168113	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-57.1822796	-85.2297807	-42.71232194	-99.69973836	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-106.7722923	-180.0390371	-123.4438723	-163.3674571	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-68.27422861	88.15088462	-52.13609369	72.0127497	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-67.20401918	-57.31859388	-240.6279331	116.10532	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-88.46599374	-173.9734763	-47.33959051	-215.0998796	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-181.5414785	-225.2972606	-13.54686656	-393.2918726	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-97.34176823	-8.875682662	-54.01200216	-52.20544873	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-138.2839276	-112.3327923	-128.2997633	-122.3169567	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-65.25907289	-72.95929166	-43.37514016	-94.84322439	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-111.633602	-170.9840316	-122.7835458	-159.8340878	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-73.65576168	-58.31542362	-50.50915736	35.1688193	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-81.67576117	-78.06841425	-211.5100295	51.76585406	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-88.9447351	-140.1507423	-46.87798497	-182.2174924	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-168.2437083	-205.2510382	-39.57556377	-333.9191827	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-68.20852779	16.57307781	-36.86635658	-14.7690934	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-92.22175289	-46.05143121	-79.89368329	-58.37950081	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-25.83514879	-68.06617601	-22.8188463	-71.08247851	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-57.02346819	-123.5155907	-72.60891233	-107.9301466	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-36.92481365	105.3167735	-32.239088	100.6310478	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-17.45519512	-0.795147505	-189.7929731	171.5426305	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-57.11657878	-156.8075875	-27.44258482	-186.4815815	NO CUMPLE	NO CUMPLE			
1.1	3.98	4.378	5.779105933	0.441448333	-131.7923101	-168.7741586	37.28809336	-337.8545621	NO CUMPLE	CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-21.19289917	4.459230828	-6.360971524	-10.37269682	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-83.73008257	-104.0086109	-90.64907873	-97.08961474	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-21.51191468	3.689469121	-6.633165829	-11.18927973	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-81.46456739	-107.3629033	-90.27638191	-98.55108878	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-21.43409678	3.879657921	-6.566164154	-10.98827471	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-82.02901021	-106.5220786	-90.36850921	-98.18257956	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-53.19436378	43.64662509	-16.93886097	7.391122278	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-117.6540786	-62.89031001	-94.0159129	-86.52847571	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	10.80437784	-34.73235103	4.208542714	-28.13651591	CUMPLE	CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-49.80545525	-145.1275431	-87.28224456	-107.6507538	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-68.8643174	118.4036809	-49.1080402	98.64740369	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-114.3219868	-7.135299614	-112.3743719	-9.082914573	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	26.47433146	-109.4894068	36.37772194	-119.3927973	CUMPLE	CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-53.13817833	-200.8819222	-68.92378559	-185.0963149	NO CUMPLE	NO CUMPLE			
0.6	3.98	2.388	3.1522396	0.07164	-45.66223075	33.55167799	-14.57286432	2.462311558	NO CUMPLE	NO CUMPLE			

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles - LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.6	3.98	2.388	3.1522396	0.07164	-107.716072	-75.3911307	-92.91876047	-90.18844221	NO CUMPLE	NO CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	2.794037188	-25.79236215	1.440536013	-24.43886097	CUMPLE	CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	-56.34194844	-137.6530264	-87.81407035	-106.1809045	NO CUMPLE	NO CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	-57.52539919	-179.8686691	-38.9279732	71.55778894	NO CUMPLE	NO CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	-105.1913462	-33.17548799	-106.8132328	-31.55360134	NO CUMPLE	NO CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	14.65720563	-82.39589909	25.79564489	-93.53433836	CUMPLE	CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	-58.86667424	-179.8686691	-73.91959799	-164.8157454	NO CUMPLE	NO CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	-44.71435907	41.86678788	-14.38860972	11.54103853	NO CUMPLE	NO CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	-84.16409939	-21.28816192	-57.75963149	-47.69262982	NO CUMPLE	NO CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	19.28082624	-36.51700715	6.754606365	-23.9907827	CUMPLE	CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	-16.31128844	-103.5212074	-51.01758794	-68.81490787	NO CUMPLE	NO CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	-60.38368139	116.6232124	-46.55778894	102.7973199	NO CUMPLE	NO CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	-80.83137631	34.46621718	-76.11390285	29.74874372	NO CUMPLE	NO CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	34.95077986	-111.2740629	38.92378559	-115.2470687	CUMPLE	CUMPLE	
0.6	3.98	2.388	3.1522396	0.07164	-19.64401151	-159.2755865	-32.66331658	-146.2562814	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-72.27836143	-175.8646218	-66.64727594	-69.49570729	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-143.4939531	-137.1062234	-139.3484715	-141.251705	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-79.11755171	-65.54852655	-70.70140951	-73.96466875	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-149.8032188	-139.3200527	-143.2629918	-145.8602798	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-77.40813974	-65.12790027	-69.68814357	-72.84789644	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-148.2262701	-138.7669632	-142.2846292	-144.7086041	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-81.40541764	-40.047951	-69.50908021	-51.94428843	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-147.0875429	-118.823019	-141.0829388	-124.8276231	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-63.15130521	-87.68129261	-63.78547166	-87.04712616	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-139.9003633	-155.3894278	-137.6136029	-157.6761882	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-94.75995938	17.66081257	-128.371045	51.27189815	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-154.167395	-67.38894506	-137.1662789	-84.39006125	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-49.79676347	-145.3900562	-4.923506914	-190.2633127	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-132.8205112	-206.8235018	-141.5302629	-198.11375	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-84.31848888	-47.0951622	-71.85462302	-59.55902806	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-150.9470304	-124.923814	-143.5977828	-132.2730616	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-70.4970194	-83.15993853	-67.52092862	-86.13602931	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-145.5055456	-152.6100766	-140.9710744	-157.1445479	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-94.42932959	-3.400914604	-116.4209393	18.5969512	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-156.3070092	-85.98042828	-140.6318035	-101.655634	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-60.38621439	-126.8541504	-22.95421113	-164.2861537	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-140.1448313	-191.5527268	-143.9367194	-187.7608387	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-52.49407307	-14.50210227	-42.85016984	-24.14600551	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-89.68982168	-63.98037544	-85.34348338	-68.32671374	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-34.23996064	-62.13544389	-37.12656129	-59.24884324	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-82.50264212	-100.5467842	-81.87414748	-101.1752788	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-65.84861481	43.2066613	-101.7121346	79.07018109	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-96.76963813	-12.54633716	-81.4268234	-27.88915187	NO CUMPLE	NO CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-20.8854189	-119.8442075	21.73540346	-162.4650298	NO CUMPLE	CUMPLE	
1.1	12.36	13.596	173.0879568	1.37093	-75.42278997	-151.9808582	-85.79080746	-141.6128407	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-15.78742106	-8.209342696	-10.52049622	-13.47626753	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-97.17784166	-97.88688325	-95.50970874	-99.55501618	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-15.6692431	-7.318890669	-9.774811219	-13.21332255	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-96.09225919	-97.96383574	-94.30285868	-99.75323625	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-15.698097	-7.540845823	-9.960895361	-13.27804746	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-96.36298059	-97.9439234	-94.60355987	-99.70334412	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-24.14058818	5.726348698	-15.73489752	-2.679341963	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-103.7631833	-85.7190174	-108.22411	-81.25809061	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-7.434253935	-22.14503409	-5.304746494	-24.27454153	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-90.5912171	-110.0533352	-82.79395901	-117.8505933	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-27.79532053	31.09898828	-11.03694714	14.34061489	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-92.21842566	-75.54586776	-318.1539914	150.389698	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-3.778238602	-47.51625978	-10.00269687	-41.29180151	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-102.1359747	-120.2264849	127.1372708	-349.4997303	NO CUMPLE	CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-22.02303338	3.010088395	-13.90911543	-5.103829558	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-101.3493653	-88.73154083	-104.2300431	-85.850863	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-9.373160629	-18.09178004	-6.012675297	-21.45226537	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-91.37659587	-107.156306	-84.97707659	-113.5558252	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-24.79052115	22.22040249	-10.35329018	7.783171521	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-92.60873891	-81.02934092	-263.1782632	89.54018339	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-6.605738314	-37.30202868	-9.569848975	-34.33791802	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-100.1172223	-114.8585059	73.97114347	-288.9468716	NO CUMPLE	CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-17.82588944	9.009816089	-11.52777778	2.711704423	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-64.8920204	-46.56429028	-70.02022654	-41.43608414	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-1.118206764	-18.86021826	-1.096278317	-18.88214671	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-51.72140269	-70.89995654	-44.59142395	-78.02993528	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-21.48055634	34.38239021	-6.828478964	19.73031284	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-53.34726281	-36.39114065	-279.9501079	190.2117044	NO CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	2.536460133	-44.23279239	-5.794228695	-35.90210356	CUMPLE	NO CUMPLE	
0.6	12.36	7.416	94.4116128	0.22248	-63.26481185	-81.07175773	165.3411543	-309.6777238	NO CUMPLE	CUMPLE	
0.8	5.64	4.512	11.9604096	0.24064	-58.8286555	-81.6500679	-66.23503989	-74.24368351	NO CUMPLE	NO CUMPLE	
0.8	5.64	4.512	11.9604096	0.24064	-146.7187264	-138.1571601	-145.4665337	-139.4093528	NO CUMPLE	NO CUMPLE	
0.8	5.64	4.512	11.9604096	0.24064	-60.24983024	-90.3086804	-70.12632979	-80.43218085	NO CUMPLE	NO CUMPLE	
0.8	5.64	4.512	11.9604096	0.24064	-150.8247982	-144.1353082	-151.6339761	-143.3261303	NO CUMPLE	NO CUMPLE	
0.8	5.64	4.512	11.9604096	0.24064	-59.89564471	-88.14513543	-69.15503103	-78.88574911	NO CUMPLE	NO CUMPLE	
0.8	5.64	4.512	11.9604096	0.24064	-149.7976083	-142.640335	-150.091977	-142.3459663	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE		ESFUERZOS DE FLEXION EJE DEBIL		VERIFICACIONES		
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL
0.8	5.64	4.512	11.9604096	0.24064	-71.38170552	-54.29205334	-69.79000443	-55.88375443	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-156.9496944	-113.1256602	-158.8192598	-111.2560949	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-46.27584126	-109.0078467	-62.68173759	-92.60195035	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-136.4899747	-163.1908763	-132.1143617	-167.5664894	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-81.13555342	-36.21373736	-119.1167996	1.767508865	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-151.8011072	-109.9453467	-192.4623227	-69.28413121	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-36.52175758	-127.0863984	-13.35494238	-150.2532137	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-141.6385619	-166.3711898	-98.47129876	-209.538453	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-69.39970952	-67.43096424	-71.84452571	-64.98614805	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-157.5442791	-123.6879904	-160.2022385	-121.030031	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-50.38936359	-108.8570903	-66.46332004	-92.78313387	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-142.0533895	-161.5946601	-139.9822695	-163.6657801	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-76.78479138	-53.74269089	-109.1932624	-21.33421986	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-153.6454089	-121.2792365	-185.6737589	-89.25088652	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-43.00673382	-122.5473442	-29.11679965	-136.4372784	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-145.9500434	-164.0011978	-114.5085328	-195.4427083	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-47.84970575	-21.63167723	-43.29454787	-26.18683511	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-98.26052512	-57.86092878	-100.6305408	-55.49091312	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-22.74384148	-76.34747057	-36.18794326	-62.90336879	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-77.80278595	-107.928597	-73.92952128	-111.8018617	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-57.60378942	-3.553125472	-92.62300532	31.46609043	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-93.11415422	-54.6828316	-134.27582	-13.52116578	NO CUMPLE	NO CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-12.98975781	-94.42602233	13.14051418	-120.5562943	NO CUMPLE	CUMPLE
0.8	5.64	4.512	11.9604096	0.24064	-82.94915686	-111.1066942	-40.28424202	-153.771609	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	7.056800463	-19.19628037	-6.669621749	-5.469858156	CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-89.87846436	-93.25983351	-90.61465721	-92.52364066	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	6.455472562	-19.31599266	-5.771276596	-7.089243499	CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-93.40827926	-90.45696897	-91.60460993	-92.2606383	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	6.60416981	-19.28738494	-5.998817967	-6.684397163	CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-92.52508677	-91.15694633	-91.35638298	-92.32565012	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-8.89718827	0.422010965	-22.55614657	14.08096927	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-103.91429	-75.56561541	-102.8486998	-76.63120567	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	23.01342991	-38.81130225	9.216903073	-25.01477541	CUMPLE	CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-75.8426387	-110.9540516	-78.38356974	-108.4131206	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-13.44889593	6.557642976	-45.74468085	38.8534279	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-110.6281123	-67.26195865	-319.320331	141.43026	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	27.56545194	-44.94724863	32.40543735	-49.78723404	CUMPLE	CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-69.12586138	-119.2547533	138.0939716	-326.4745863	NO CUMPLE	CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-5.476271314	-4.435076203	-18.02600473	8.11465721	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-103.1512499	-77.75891555	-100.6176123	-80.29255319	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	18.68492531	-34.14000805	6.031323877	-21.48640662	CUMPLE	CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-81.8989236	-104.5549771	-82.09515366	-104.358747	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-8.922337911	0.210753986	-35.5821513	26.87056738	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-108.2364443	-71.47395755	-264.5212766	84.8108747	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	22.1309919	-38.78583824	23.58747045	-40.24231678	CUMPLE	CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-76.81372919	-110.8399351	81.80851064	-269.4621749	NO CUMPLE	CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-11.72136713	8.098435692	-19.89066194	16.2677305	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-67.96256476	-38.26083949	-66.60165485	-39.62174941	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	20.18893667	-31.13456315	11.88238771	-22.82801418	CUMPLE	CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-39.89059906	-73.64959006	-42.13652482	-71.4036643	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-16.27338917	14.23438207	-43.07624113	41.03723404	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-74.67902771	-29.96045219	-283.0791962	178.4397163	NO CUMPLE	NO CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	24.7409587	-37.27050953	35.07092199	-47.60047281	CUMPLE	CUMPLE
0.6	5.64	3.384	8.9703072	0.10152	-33.17677682	-81.95324682	174.3380615	-289.4680851	NO CUMPLE	CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-59.01163265	-71.39857143	-55.95670554	-74.45349854	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-136.9828426	-137.8600146	-142.0255102	-132.8173469	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-62.77985423	-74.97524781	-56.0755102	-81.67959184	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-140.9385423	-141.2492128	-147.5268222	-134.6609329	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-61.83752187	-74.08084548	-56.04577259	-79.87259475	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-139.9493294	-140.401691	-146.151895	-134.1991254	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-65.98230321	-51.6687172	-60.36661808	-57.28440233	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-145.3360058	-116.7476676	-160.6246356	-101.4590379	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-52.03998542	-91.12736152	-51.54577259	-91.62157434	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-128.6296793	-158.9723615	-123.4263848	-164.175656	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-41.11113703	-12.46437318	-71.48600583	17.91049563	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-114.2340233	-83.77413994	-251.6253644	53.61720117	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-76.91217201	-130.3327259	-40.42653061	-166.8183673	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-159.7316181	-191.9459329	-32.42565598	-319.251895	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-67.1159621	-59.14322157	-59.38527697	-66.87390671	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-146.2745773	-124.4172595	-160.2345481	-110.4572886	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-56.56010204	-89.0194898	-52.70728863	-92.87230321	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-133.6251458	-156.3870991	-132.0693878	-157.9428571	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-48.28497085	-29.45992711	-67.80451895	-9.940379009	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-122.7259329	-99.45161808	-229.1348397	6.95728863	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-75.39113703	-118.7027405	-44.28804665	-149.8058309	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-157.1737901	-181.3527405	-63.16909621	-275.3574344	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-42.37803207	-23.10972303	-37.98381924	-27.50393586	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-90.54309038	-61.6038484	-103.8151603	-48.33177843	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-28.43575802	-62.56832362	-29.1638484	-61.84023324	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-73.83569971	-103.8275656	-66.61501458	-111.0482507	NO CUMPLE	NO CUMPLE
0.7	14	9.8	160.0666667	0.400166667	-17.50686589	16.09462099	-49.10408163	47.69183673	NO CUMPLE	NO CUMPLE

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.7	14	9.8	160.0666667	0.400166667	-59.44110787	-28.6303207	-194.8158892	106.7444606	NO CUMPLE	NO CUMPLE	
0.7	14	9.8	160.0666667	0.400166667	-53.30688047	-101.7727114	-18.04358601	-137.0360058	NO CUMPLE	NO CUMPLE	
0.7	14	9.8	160.0666667	0.400166667	-104.9387026	-136.8021137	24.38469388	-266.1255102	NO CUMPLE	CUMPLE	
0.6	14	8.4	137.2	0.252	2.496870748	-0.270680272	2.263095238	-0.036904762	CUMPLE	CUMPLE	
0.6	14	8.4	137.2	0.252	-72.35630952	-67.94845238	-70.7547619	-69.55	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	1.062789116	-1.600884354	3.492857143	-4.030952381	CUMPLE	CUMPLE	
0.6	14	8.4	137.2	0.252	-74.15028912	-68.917585	-73.62619048	-69.44285714	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	1.422176871	-1.267414966	3.185714286	-3.030952381	CUMPLE	CUMPLE	
0.6	14	8.4	137.2	0.252	-73.70209184	-68.67647959	-72.90833333	-69.4702381	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	-0.491717687	5.408384354	-2.95	7.866666667	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	-79.25358844	-58.36307823	-73.80714286	-63.80952381	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	5.48670068	-5.948605442	7.478571429	-7.94047619	CUMPLE	CUMPLE	
0.6	14	8.4	137.2	0.252	-65.46022109	-77.53501701	-67.70357143	-75.29166667	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	3.306836735	12.13602041	-24.43095238	39.87380952	CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	-79.43365646	-47.65681973	-78.63095238	-48.45952381	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	1.688095238	-12.6719048	28.95952381	-39.94761905	CUMPLE	CUMPLE	
0.6	14	8.4	137.2	0.252	-65.28024008	-88.24122449	-62.8797619	-90.64166667	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	-0.841292517	3.031768707	-0.761904762	2.952380952	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	-78.92413265	-61.41872449	-75.2202381	-65.12261905	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	3.685697279	-5.56664966	7.13452381	-9.01547619	CUMPLE	CUMPLE	
0.6	14	8.4	137.2	0.252	-68.48010204	-75.93418367	-70.59761905	-73.81666667	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	2.034353741	8.125170068	-17.02619048	27.18571429	CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	-79.05964286	-53.31178571	-78.87142857	-53.5	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	0.808809524	-10.66119048	23.39761905	-33.25	CUMPLE	CUMPLE	
0.6	14	8.4	137.2	0.252	-68.34459184	-84.04112245	-66.94642857	-85.43928571	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	-1.49047619	5.516666667	-3.854761905	7.880952381	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	-50.31129252	-31.18394558	-45.50595238	-35.98928571	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	4.487942177	-5.840323129	6.572619048	-7.925	CUMPLE	CUMPLE	
0.6	14	8.4	137.2	0.252	-36.51673469	-50.35469388	-39.4	-47.47142857	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	2.308078231	12.24430272	-25.33690476	39.88928571	CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	-50.49017007	-20.4764966	-50.32857143	-20.63809524	NO CUMPLE	NO CUMPLE	
0.6	14	8.4	137.2	0.252	0.688146259	-12.56909864	28.05238095	-39.93333333	CUMPLE	CUMPLE	
0.6	14	8.4	137.2	0.252	-36.33790816	-61.06209184	-34.57738095	-62.82261905	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-86.55382578	-62.50355127	-63.40791235	-85.6494647	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-161.3249367	-132.1586699	-151.4867012	-141.9969053	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-95.69170634	-65.27433582	-65.39268986	-95.57335229	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-168.2798643	-137.1124074	-158.9565908	-146.4356808	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-93.40842995	-64.58337333	-64.89921378	-93.09258949	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-166.5425961	-135.8754367	-157.0905821	-145.3274507	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-93.15559373	-17.1727512	-78.79809301	-31.52977584	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-181.2364188	-73.51767958	-160.7669789	-93.98711944	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-79.95169789	-107.8351874	-48.01773168	-139.7691536	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-141.4130946	-190.8000202	-142.2089328	-190.004182	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-109.0389968	135.1162802	-31.66778187	57.74506524	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-115.4111558	-2.937790341	-192.6288056	74.27985948	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-64.06829481	-260.1237427	-95.14804282	-229.0439946	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-207.2387175	-261.3795495	-110.3445969	-358.2736701	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-98.40569451	-30.25941087	-76.54984945	-52.11525594	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-181.6170768	-91.47245807	-164.1142523	-108.9770826	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-88.41152532	-98.90697585	-53.24606892	-134.0724323	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-151.4681153	-180.2766153	-150.066912	-181.6778187	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-110.4315516	85.04513476	-40.86400134	15.47758448	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-131.7777239	-38.03492245	-188.2402141	18.42756775	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-76.38274081	-214.2085941	-88.92898963	-201.6623453	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-201.3045408	-233.7130236	-125.9380228	-309.0795417	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-58.53289246	7.830316351	-53.43425895	2.731682837	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-116.7061466	-20.6533382	-100.1702074	-37.18927735	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-45.33192402	-82.83552328	-22.65682503	-105.5106223	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-76.8857498	-137.9386062	-81.61508866	-133.2092673	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-74.41629554	160.1188717	-6.303947809	92.00652392	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-50.88052367	49.92619112	-132.0345433	131.0802108	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-29.44559354	-235.1211512	-69.78420877	-194.782536	NO CUMPLE	NO CUMPLE	
0.7	4.88	3.416	6.779165867	0.139486667	-142.7080854	-208.515568	-49.75033456	-301.4733188	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-18.84268902	12.81126825	-1.724726776	-4.306693989	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-66.58360768	-81.97513549	-75.90505464	-72.65368852	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-24.83942489	13.48696587	-1.803278689	-9.549180328	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-67.9570344	-85.91591642	-80.24590164	-73.62704918	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-23.33949207	13.31900027	-1.782786885	-8.237704918	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-67.61528039	-84.93253382	-79.16325137	-73.38456284	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-30.4438491	33.35368517	-29.33060109	32.24043716	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-79.96478321	-59.65270313	-85.0170765	-54.60040984	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-7.241528935	-7.731148661	25.88456284	-40.85724044	NO CUMPLE	CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-53.20285206	-104.2971479	-66.79303279	-90.70696721	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-67.7680731	95.35004031	-15.05122951	42.63319672	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-107.9392021	-7.00615314	-79.80191257	-35.14344262	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	30.08269506	-69.72750381	-11.60519126	-51.25	CUMPLE	CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-25.22501792	-156.9402826	-72.00478142	-110.1605191	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-32.12361708	28.87225096	-22.68442623	19.43306011	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-77.74690943	-68.03177909	-68.06215847	-59.71653005	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-14.55536706	-2.234250426	19.11885246	-35.90846995	NO CUMPLE	CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-57.48365135	-101.8332885	-72.26434426	-87.05259563	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles - LOTE B
Realizó:
Contiene:
Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL		VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.6	4.88	2.928	5.8107136	0.08784	-60.38270962	75.81303749	-11.875	27.30532787	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-98.92709173	-28.1699028	-82.11407104	-44.9829235	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	13.70372548	-49.17503695	8.306010929	-43.7773224	CUMPLE	CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-36.30047366	-141.6913296	-76.20901639	-101.7827869	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-22.90762452	28.22866277	-28.64071038	33.96174863	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-53.32963809	-26.86161874	-54.65163934	-25.53961749	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	0.29511556	-12.85659097	26.57103825	-39.13251366	CUMPLE	CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-26.56812685	-71.50564364	-36.43101093	-61.64275956	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-60.23184852	90.22501792	-14.3647541	44.3579235	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	-81.30447684	25.78535116	-49.43989071	-6.079234973	NO CUMPLE	NO CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	37.62233495	-74.8491109	12.29849727	-49.52527322	CUMPLE	CUMPLE	
0.6	4.88	2.928	5.8107136	0.08784	1.406711905	-124.1526135	-41.64275956	-81.10314208	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-19.61616848	-132.7087107	-71.31839424	-81.00648498	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-184.4580314	-111.767814	-150.0918925	-146.133953	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-13.77063205	-148.1556965	-75.95174333	-85.97458517	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-196.6529539	-109.1743408	-154.74001	-151.0872847	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-15.23122987	-144.2947363	-74.79586746	-84.73009872	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-193.603437	-109.8234954	-153.5792113	-149.8477211	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-75.08428945	-45.58298108	-98.95800515	-21.70926539	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-288.93984	24.37160326	-143.9905613	-120.5776754	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	35.84880737	-219.8312953	-43.68370615	-140.2987818	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-79.9730777	-247.9103764	-156.1883008	-171.6951533	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-491.6163446	567.7636876	20.01188038	56.13546261	NO CUMPLE	CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-1139.087661	1071.334038	-40.92135318	-26.83227001	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	452.3733142	-833.1855123	-162.66114	-218.1510581	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	770.167195	-1294.880359	-259.26998	-265.4431842	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-57.22436091	-78.32817532	-95.71813957	-39.83439666	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-272.7090882	-6.744414251	-148.9570206	-130.4964818	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	26.76190117	-210.2612973	-53.86867255	-129.6307236	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-114.4977858	-212.9025765	-158.1964792	-169.2038831	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-372.6008957	386.0670793	-5.637930582	19.10411416	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-916.3930405	785.9582579	-70.91800567	-59.51677694	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	342.1352909	-674.6534068	-143.9488815	-188.5692344	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	529.1830213	-1005.602103	-236.2404169	-240.1786652	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-67.23593498	7.498616143	-70.43261657	10.69529773	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-215.1532307	69.07835145	-83.95623293	-62.11864629	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	43.69401671	-166.7465529	-15.15339477	-107.8991415	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-6.189613527	-203.2004831	-96.15397238	-113.2361242	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-483.7679901	620.8452848	48.54219177	88.53510292	NO CUMPLE	CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-1065.304197	1116.043931	19.11789803	31.62183627	NO CUMPLE	CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	460.2185236	-780.1007699	-134.1308286	-185.7514178	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	843.9506592	-1250.170466	-199.2307288	-206.9890779	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	39.15685386	-45.95033213	-4.583136421	-2.21034184	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-128.296724	-48.90738225	-83.83677274	-93.36733354	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	50.4516405	-58.70949074	-5.487620773	-2.770229469	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-140.6331773	-38.02020431	-84.15281716	-94.50056448	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	47.63360507	-55.51403986	-5.25460775	-2.625827032	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-137.549064	-40.74199879	-84.07503676	-94.21602604	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-30.9203905	37.51761272	-11.02676696	17.62398918	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-201.0536182	37.24021236	-121.2547259	-42.5586799	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	109.2372434	-129.4214221	1.860494119	-22.04467286	CUMPLE	CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-55.53982991	-135.0549769	-46.41881958	-144.1759872	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-637.9201892	689.2486916	18.37849191	32.9500105	NO CUMPLE	CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-829.7095159	710.6424869	-83.7389729	-35.32805608	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	716.2294938	-781.1600493	-27.55231306	-37.37824249	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	573.1160678	-808.4572514	-83.93457257	-151.406611	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-5.429750403	7.679146538	-10.13869198	12.38808811	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-192.6410276	24.47979569	-112.4064666	-55.75476528	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	100.6894122	-118.7147746	-0.382994644	-17.64236767	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-82.46464875	-105.9713416	-55.74623241	-132.6897579	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-465.0129579	501.1391657	12.13111741	23.99509032	NO CUMPLE	CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-668.6260819	534.3416616	-84.00283554	-50.28158475	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	560.2726198	-612.1747937	-22.64788122	-29.25429269	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	393.5172605	-615.8300624	-84.14986347	-138.1629385	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-46.58313205	55.89774557	-9.190558706	18.50517223	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-149.7345511	56.79976852	-87.7205419	-5.214240706	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	93.57450181	-111.0412893	3.691779563	-21.158567	CUMPLE	CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-4.220762882	-115.4954207	-12.88463558	-106.831548	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-653.5753824	707.6363728	20.22224848	33.83874186	NO CUMPLE	CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	-778.3904489	730.2020431	-50.20478891	2.016383113	NO CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	700.5667522	-762.7799165	-25.72102762	-36.49213663	CUMPLE	NO CUMPLE	
0.92	1.44	1.3248	0.22892544	0.09344256	624.4426832	-788.8901469	-50.39284026	-114.0546235	CUMPLE	NO CUMPLE	
0.92	2.14	1.9688	0.751359707	0.138866027	-109.4282014	-140.9375036	-123.1655124	-127.2001926	NO CUMPLE	NO CUMPLE	
0.92	2.14	1.9688	0.751359707	0.138866027	-190.19603	-204.5621983	-197.3791142	-197.3791142	NO CUMPLE	NO CUMPLE	
0.92	2.14	1.9688	0.751359707	0.138866027	-118.1399458	-161.4720006	-137.5004417	-142.1115047	NO CUMPLE	NO CUMPLE	
0.92	2.14	1.9688	0.751359707	0.138866027	-206.6143046	-217.4003236	-212.0073141	-212.0073141	NO CUMPLE	NO CUMPLE	
0.92	2.14	1.9688	0.751359707	0.138866027	-115.9610959	-156.3367505	-133.9162677	-138.3815787	NO CUMPLE	NO CUMPLE	
0.92	2.14	1.9688	0.751359707	0.138866027	-202.510092	-214.1904362	-208.3502641	-208.3502641	NO CUMPLE	NO CUMPLE	
0.92	2.14	1.9688	0.751359707	0.138866027	-113.2601765	-116.1282835	-286.7677067	57.37924668	NO CUMPLE	NO CUMPLE	
0.92	2.14	1.9688	0.751359707	0.138866027	-271.9632814	-101.8278604	-186.8955709	-186.8955709	NO CUMPLE	NO CUMPLE	
0.92	2.14	1.9688	0.751359707	0.138866027	-105.5911471	-165.7416444	40.44507358	-311.7778651	NO CUMPLE	CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE		ESFUERZOS DE FLEXION EJE DEBIL		VERIFICACIONES		
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL
0.92	2.14	1.9688	0.751359707	0.138866027	-108.435282	-307.3001914	-207.8677367	-207.8677367	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-76.07622842	25.46672009	-92.56929845	41.95979012	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-940.7024821	745.6902919	-97.50609508	-97.50609508	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-142.7765193	-307.3352239	-153.7533346	-296.3584086	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	560.3039187	-1154.818344	-297.2572125	-297.2572125	CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-118.8652322	-137.5549222	-257.7902231	1.370068724	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-264.4183373	-136.404499	-200.4114181	-200.4114181	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-113.0569596	-175.1185788	-10.04231224	-278.1332262	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-140.6018468	-291.9763735	-216.2891101	-216.2891101	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-90.70988733	-30.34862547	-110.7540678	-10.3044499	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-770.7491066	505.287912	-132.7305973	-132.7305973	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-141.2108804	-282.3262996	-157.0784676	-266.4587124	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	365.7274985	-933.6673604	-283.9699309	-283.9699309	CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-69.49064281	-59.75559855	-237.5048584	108.258617	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-195.885439	-20.00241145	-107.9439252	-107.9439252	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-61.82161343	-109.3689595	89.70792184	-260.8984948	NO CUMPLE	CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-32.35601552	-225.4761665	-128.916091	-128.916091	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-32.30669472	81.839405	-43.30645019	92.83916047	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-864.6232156	827.5143168	-18.55444941	-18.55444941	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-99.00698561	-250.962539	-104.4904864	-245.4790382	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	636.3831852	-1072.994319	-218.3055668	-218.3055668	CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-1.424701987	-25.38356066	-13.2417893	-13.56641874	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-104.4254862	-93.38028383	-96.99817148	-100.8075985	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-0.427130526	-32.32378374	-16.17339187	-16.57752239	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-111.3629157	-92.38556054	-99.73433387	-104.0141424	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-0.676725136	-30.59105219	-15.44176104	-15.82601629	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-109.6301841	-92.63515515	-99.05239122	-103.2129481	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-41.09462759	24.35346546	-16.89707259	0.155910464	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-142.5061331	-45.23259104	-262.597168	74.8584439	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	38.24522362	-75.12047758	-9.586506016	-27.28874795	CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-66.34483931	-141.5279766	68.60082504	-276.473641	NO CUMPLE	CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-375.7720914	443.7830625	27.24126813	40.76970302	NO CUMPLE	CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-447.8673854	344.8807946	-109.0852075	6.098616681	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	372.9226874	-494.5500746	-53.72484674	-67.9025405	CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	239.0164131	-531.6413623	-84.91113545	-207.7138138	CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-30.70986834	7.071103609	-18.20596965	-5.432795082	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-138.4650549	-56.18143031	-224.4355423	29.78905712	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	29.36007322	-68.24670467	-12.67247319	-26.21415826	CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-80.79673752	-129.0874559	26.3340724	-236.2182658	NO CUMPLE	CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-284.1128616	324.635007	15.2094412	25.31270427	NO CUMPLE	CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-369.6657578	239.1903413	-108.2014204	-22.27399608	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	282.7579872	-385.8156873	-46.09296327	-56.96473685	CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	150.4053895	-424.4606516	-89.90004947	-184.1552126	CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-40.52299992	34.5091844	-11.5996502	5.585834673	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-100.7352076	-7.879176841	-223.7968836	115.1824992	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	38.81685129	-64.9647865	-4.289083617	-21.85882374	CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-24.5739138	-104.1745624	107.4011095	-236.1495857	NO CUMPLE	CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-375.2004637	453.9387814	32.53869053	46.19962723	NO CUMPLE	CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	-406.0964599	382.2342088	-70.28492306	46.42267194	NO CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	373.4943151	-484.3943557	-48.4241118	-62.47592884	CUMPLE	NO CUMPLE
0.92	2.14	1.9688	0.751359707	0.138866027	280.7873386	-494.2879481	-46.11085101	-167.3897585	CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-144.5414544	-134.4882381	-139.1733713	-139.8563212	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-189.4081551	-233.7625766	-211.5853659	-211.5853659	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-164.6132931	-153.9975235	-158.8818064	-159.7290101	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-207.1449124	-255.6069433	-231.3759279	-231.3759279	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-159.5920195	-149.1168882	-153.9524644	-154.7564434	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-202.7080154	-250.1419316	-226.4249735	-226.4249735	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-154.4687427	-123.1160929	-418.4863295	140.9014938	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-266.5193467	-155.2065282	-210.8629374	-210.8629374	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-134.6117412	-145.8628081	140.1439094	-420.6184587	NO CUMPLE	CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-112.2945387	-312.3210498	-212.3077943	-212.3077943	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-216.088864	-56.15397796	-297.7428074	25.49996542	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-912.0147169	495.6440913	-208.1853128	-208.1853128	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-72.99824768	-212.8315508	19.38943704	-305.2192356	NO CUMPLE	CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	533.2050345	-963.1626167	-214.9787911	-214.9787911	CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-167.1134224	-140.5085288	-365.4346673	57.81271612	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-261.0968497	-190.6661408	-225.8814952	-225.8814952	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-152.0772444	-157.7318754	57.52743326	-367.3365531	NO CUMPLE	CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-144.3258089	-309.6243502	-226.9750795	-226.9750795	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-213.7631586	-89.80258904	-274.0092904	-29.55645719	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-749.8262227	302.1194359	-223.8533934	-223.8533934	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-105.4275082	-208.4378152	-33.90226613	-279.9630573	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	344.4101919	-802.403299	-228.9965536	-228.9965536	CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-96.65264594	-69.3203127	-362.8187099	196.8457513	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-190.7548884	-61.69739156	-126.22614	-126.22614	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-76.79564441	-92.06702791	195.8115289	-364.6742012	NO CUMPLE	CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-36.53008044	-218.8119132	-127.6709968	-127.6709968	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-158.2727672	-2.35819776	-242.0751879	81.44422288	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-836.2544616	589.1441753	-123.5551432	-123.5551432	NO CUMPLE	NO CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	-15.18215089	-159.0357706	75.06137904	-249.2793006	NO CUMPLE	CUMPLE
0.92	1.64	1.5088	0.338172373	0.106420693	608.962865	-869.6601079	-130.3486214	-130.3486214	CUMPLE	NO CUMPLE

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.92	1.64	1.5088	0.338172373	0.106420693	-29.80352663	-7.272295218	-18.50765365	-18.5681682	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-95.75595531	-112.0118072	-103.4775693	-104.2901932	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-36.37634819	-8.917925407	-22.57797732	-22.71629628	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-97.44038228	-118.5458319	-107.474411	-108.5118032	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-34.7331428	-8.506517859	-21.55931578	-21.68034488	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-97.01927553	-116.9123257	-106.4730393	-107.4585619	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-65.24260921	-99.17241049	-93.29470008	-93.29470008	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-125.0118007	-81.74853865	-375.4795057	168.7191664	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	5.628928174	-43.7254287	6.272764996	-44.36926553	CUMPLE	CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-66.50010992	-142.2750757	168.5286897	-377.3038752	NO CUMPLE	CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-364.0154993	330.9561144	-22.1705127	-10.88887224	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-368.8563678	165.1182979	-253.7173221	49.97925216	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	304.4018183	-345.5073326	-14.85142238	-26.25409194	CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	177.3444572	-389.1419122	46.7621836	-258.5596385	CUMPLE	CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-61.56887722	19.0847839	-40.33006363	-2.154029692	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-119.1660955	-93.99668288	-312.4172968	99.25451842	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-7.904036159	-36.1044474	-2.795195721	-41.21328784	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-74.87003078	-139.8303934	99.46689566	-314.1673198	NO CUMPLE	CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-287.7762654	247.5853853	-24.32713588	-15.86374429	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-303.7948103	92.9119895	-220.2288603	9.346039467	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	218.3099798	-264.598421	-18.79149569	-27.49694546	CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	109.758684	-326.7390658	7.278459127	-224.2588409	CUMPLE	CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-53.31841813	32.08299925	-35.88685509	14.65143621	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-86.70725241	-36.94067972	-334.0875559	210.4396238	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	17.55069446	-40.81421514	209.9128752	-36.9398082	CUMPLE	CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-28.20218943	-97.4738445	209.9140117	-335.5900456	NO CUMPLE	CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-352.0913082	333.8649031	-14.76699018	-3.459414911	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	-330.5584474	209.919529	-212.3276776	91.68875928	NO CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	316.3260094	-342.5985438	-7.447899857	-18.82463461	CUMPLE	NO CUMPLE	
0.92	1.64	1.5088	0.338172373	0.106420693	215.6490055	-344.3340532	88.1584559	-216.8435036	CUMPLE	CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-45.98188219	25.56439207	-8.907780546	-11.50970957	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-62.90957375	-128.3206634	-94.72095721	-96.50927995	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-57.73291524	33.67165042	-8.52648651	-15.53477831	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-49.97052416	-144.8911359	-93.56418629	-101.2974738	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-54.79361301	31.64637981	-8.617245231	-14.52998797	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-53.20219862	-140.7454298	-93.8482772	-100.0993513	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-71.65252762	65.995413	-23.1646868	17.50757218	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-96.32829343	-80.12921645	-170.8178489	-5.639661024	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-20.31530722	-14.87491017	5.346977573	-40.53719496	NO CUMPLE	CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-29.48467818	-176.5059345	-18.61788967	-187.372723	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-275.605939	270.6528757	-10.68912184	5.736058601	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-338.2422296	162.4764193	-110.0556904	-65.71011987	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	183.64428	-269.9126197	-7.122411497	-28.7595055	CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	212.4271526	-419.1094648	-79.38004812	-127.3022641	CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-74.22941745	62.26054393	-19.41296829	7.444094776	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-78.51001056	-104.2592582	-151.4706672	-31.29860156	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-35.35780857	1.032215685	2.174450077	-36.50004296	NO CUMPLE	CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-27.90266798	-177.2356719	-36.23609082	-168.9022491	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-228.6509331	217.2131861	-9.968153892	-1.469593143	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-261.6745362	79.42404218	-105.464051	-76.78644312	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	119.0658125	-153.9225319	-7.270364324	-27.58635504	CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	155.2618577	-360.9189723	-82.23867933	-123.4184353	CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-53.2556762	55.77543905	-19.59985607	22.11961892	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-71.17024681	-28.80504963	-132.9352122	32.95991579	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-1.918455803	-25.09488412	8.915836054	-35.92917598	NO CUMPLE	CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-4.318350252	-125.1776972	19.27092284	-148.7669703	NO CUMPLE	CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-257.2152634	260.4267259	-7.130467005	10.34192946	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	-313.0759017	-13.8046566	-72.1668779	-27.10436716	NO CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	202.0349555	-229.7523468	-3.559728905	-24.1576624	CUMPLE	NO CUMPLE	
0.92	1.76	1.6192	0.417969493	0.114207573	237.5873046	-367.7874034	-41.4974115	-88.70268732	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-38.82068452	-99.12574405	-66.74107143	-71.20535714	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-145.9728423	-135.8723958	-142.6955782	-139.1496599	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-46.80989583	-97.83296131	-70.67602041	-73.96683673	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-137.0349702	-151.5066964	-146.4392007	-142.102466	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-44.8139881	-98.16220238	-69.68962585	-73.28656463	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-139.2708333	-147.6041667	-145.5165816	-141.3584184	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-136.5531994	10.3031994	-78.18877551	-48.06122449	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-259.7767857	-10.37202381	-142.6764456	-127.4723639	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	58.91183036	-208.5546875	-55.29336735	-94.3494898	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-32.1781994	-261.3634673	-142.7147109	-150.8269558	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1536.87128	1518.299851	-14.26020408	-4.31122449	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1901.668527	1739.198289	-86.65603741	-75.81420068	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	1459.229911	-1716.551339	-119.2091837	-138.1122449	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	1609.713542	-2010.93378	-198.735119	-202.485119	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-118.8020833	-15.30505952	-78.35459184	-55.75255102	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-225.4334077	-52.57254464	-145.4953231	-132.5106293	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	29.1889881	-181.0044643	-61.02253401	-90.79294218	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-53.10267857	-242.6116071	-145.5102041	-150.2040816	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1179.047619	1126.458333	-29.9535714	-22.63392857	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1468.584449	1272.096354	-103.0782313	-93.40986395	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	1089.419643	-1322.782738	-109.4238946	-123.9392007	CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION			ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.7	0.96	0.672	0.0516096	0.02744	1190.033482	-1567.295387	-187.9421769	-189.3197279	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-121.0267857	49.95535714	-51.49234694	-19.57908163	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-201.3895089	43.97879464	-85.59311224	-71.81762024	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	74.43824405	-168.9025298	-28.59693878	-65.86734694	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	26.21837798	-207.0219494	-85.63137755	-95.17219388	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1521.344866	1557.952009	12.43622449	24.17091837	NO CUMPLE	CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1843.28125	1793.549107	-29.57270408	-20.15943878	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	1474.756324	-1676.899182	-92.5127551	-109.630102	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	1668.110119	-1956.592262	-141.6517857	-146.8303571	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-22.65997024	1.558779762	-10.62712585	-10.47406463	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-75.45572917	-116.062128	-95.12117347	-96.39668367	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-35.21949405	9.98139881	-12.60629252	-12.63180272	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-66.17745536	-129.4773065	-96.76870748	-98.88605442	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-32.07589286	7.879464286	-12.09821429	-12.09821429	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-68.49330357	-126.1197917	-96.36267007	-98.25042517	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-157.5093006	144.1462054	-32.06420068	18.70110544	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-208.9471726	25.16741071	-107.514881	-76.26488095	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	112.1800595	-141.0193452	10.82270408	-39.6619898	CUMPLE	CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	58.03571429	-257.2916667	-82.72746599	-116.5284864	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1755.738467	1877.464658	37.5212585	84.20493197	NO CUMPLE	CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1752.070313	1703.379836	-30.55697279	-18.1335034	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	1710.409226	-1874.337798	-58.7627551	-105.1658163	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	1601.164435	-1935.479911	-159.6704932	-174.644983	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-134.1815476	115.8184524	-28.35246599	9.989370748	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-169.5610119	-19.1889881	-105.7397959	-83.01202408	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	70.02418155	-100.0837054	4.128401361	-34.18792517	CUMPLE	CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	32.57440476	-233.0505952	-86.97278912	-113.5034014	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1344.270833	1428.199405	24.33673469	59.59183673	NO CUMPLE	CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1337.933408	1251.445313	-47.4787415	-39.00935374	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	1280.104167	-1412.455357	-48.56079932	-83.79039116	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	1200.946801	-1503.684896	-145.2338435	-157.5042517	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-148.4375	143.5267857	-27.8125	22.90178571	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-178.7630208	71.59040179	-69.46641156	-37.70620748	NO CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	121.2518601	-141.6387649	15.07440476	-35.46130952	CUMPLE	CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	88.21056548	-210.859375	-44.6789966	-77.96981293	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1746.681548	1876.830357	41.75807823	88.39073129	NO CUMPLE	CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	-1721.886161	1749.802827	7.491496599	20.42517007	NO CUMPLE	CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	1719.481027	-1874.957217	-54.51105442	-100.9651361	CUMPLE	NO CUMPLE	
0.7	0.96	0.672	0.0516096	0.02744	1631.333705	-1889.071801	-121.6369048	-136.1011905	CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-107.4562212	-175.6958525	-139.3877551	-143.7643186	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-166.9473762	-260.4535454	-213.7004608	-213.7004608	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-120.7429761	-203.5335216	-159.3179724	-164.9585253	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-170.3585551	-298.157574	-234.2580645	-234.2580645	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-117.4187602	-196.5720232	-154.3331139	-159.6576695	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-169.5069124	-288.7327189	-229.1198157	-229.1198157	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-117.2605916	-146.9421733	-178.4976959	-85.70506912	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-221.3560279	-187.0863684	-204.2211982	-204.2211982	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-97.65645905	-204.45414	-100.2824226	-201.8281764	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-112.5341162	-333.8161142	-223.1751152	-223.1751152	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-180.8332095	172.3631634	-13.3120474	4.842001317	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-1026.517021	873.798127	-76.359447	-76.359447	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-34.07834101	-523.7557604	-265.4634628	-292.3706386	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	692.6222685	-1394.705218	-351.0414747	-351.0414747	CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-124.8409395	-174.7996135	-183.9400922	-115.7004608	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-210.7046232	-233.1847778	-221.9447005	-221.9447005	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-110.0011892	-218.3490412	-124.7267939	-203.6234365	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-128.3100937	-344.2797681	-236.2949309	-236.2949309	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-172.9762153	66.95778207	-58.87491771	-47.14351547	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-820.3246618	570.0573807	-125.1336406	-125.1336406	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-61.86591348	-460.1064367	-249.7919684	-272.1803818	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	481.3108369	-1147.522818	-333.1059908	-333.1059908	CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-74.27753828	-76.66255389	-122.7393022	-28.20078999	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-154.5778207	-82.90605025	-118.7419355	-118.7419355	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-54.67251375	-134.1754125	-44.52797893	-144.3199473	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-45.75590902	-229.635796	-137.6958525	-137.6958525	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-137.8501561	242.6427828	42.44239631	62.35023041	NO CUMPLE	CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-959.7342054	977.9830534	9.124423963	9.124423963	NO CUMPLE	CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	8.900104058	-453.4807492	-209.7096774	-234.8709677	CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	759.4004757	-1290.5249	-265.562212	-265.562212	CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-26.62628215	-25.43823398	-28.82488479	-23.23963134	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-90.09142263	-132.79337	-107.6622778	-115.2225148	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-33.11595065	-32.55225212	-36.5036208	-29.16458196	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-92.83677717	-143.6517021	-113.2633311	-123.2251481	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-31.49308756	-30.77419355	-34.58591178	-27.68136932	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-92.15043853	-140.9371191	-111.8630678	-121.2244898	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-56.52207522	12.4667568	-67.59052008	23.53252054	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-120.4251524	-94.45042367	-172.1816985	-42.69387755	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	3.270402854	-63.34413557	9.936800527	-70.01053325	CUMPLE	CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-59.75397651	-171.1308161	-43.13824885	-187.7465438	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-422.4655864	477.5807938	4.545095458	50.57011192	NO CUMPLE	CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-470.9650662	355.259997	-72.99670836	-42.70836076	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
Realizó:
Contiene:
Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.7	3.1	2.17	1.737808333	0.088608333	369.2139141	-528.4581537	-62.19486504	-97.04937459	CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	290.7822209	-620.846737	-142.3278473	-187.7366689	CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-54.12873495	-2.074030028	-63.93548387	7.732718894	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-115.1169912	-111.9060502	-160.7136274	-66.30941409	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-8.858332095	-59.47346514	-5.236339697	-63.09545754	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-69.17927754	-169.9635796	-63.00789993	-176.1349572	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-331.2000892	-350.0848818	-9.315997367	28.20078999	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-380.5254943	228.5900104	-85.61751152	-66.31797235	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	268.2130221	-411.632377	-59.85187623	-83.5674786	CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	196.2292255	-510.4596403	-138.1079658	-176.122449	CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-45.87468411	22.63966107	-56.06254115	32.8275181	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-84.38932659	-41.33417571	-129.118499	3.394996708	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	13.92240226	-53.16664189	21.46938776	-60.71362739	CUMPLE	CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-23.71815074	-118.0145682	-0.075049375	-141.6576695	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-411.8181953	487.7536792	16.07307439	59.86240948	NO CUMPLE	CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	-434.9292404	308.376245	-29.93350889	3.380513496	NO CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	379.8659135	-518.28066	-50.66622778	-87.74851876	CUMPLE	NO CUMPLE	
0.7	3.1	2.17	1.737808333	0.088608333	326.8180467	-567.7304891	-99.26464779	-141.6477946	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-104.7953562	-418.343172	-259.22323253	-263.9162028	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-425.435852	-241.9451004	-333.6904762	-333.6904762	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-78.63931523	-572.2048406	-321.8042672	-329.0398887	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-551.8870523	-243.1995277	-397.54329	-397.54329	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-85.17709563	-533.7406533	-306.1564626	-312.7612863	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-520.2705628	-242.8896104	-381.5800866	-381.5800866	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-123.0686738	-381.7365211	-752.690167	247.8849722	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-473.3530106	-175.6946084	-324.5238095	-324.5238095	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-86.52695789	-454.9449036	234.2455164	-775.7173779	NO CUMPLE	CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-377.5029516	-308.1896891	-342.8463203	-342.8463203	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-353.5261708	112.74695	-329.7866419	89.00742115	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-1172.83353	787.8118851	-192.5108225	-192.5108225	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	143.9354585	-949.433294	-188.6580087	-616.8398268	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	321.9775679	-1271.696183	-474.8593074	-474.8593074	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-99.01416765	-506.0291224	-679.7850959	74.74180581	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-556.5545061	-192.7312082	-374.6428571	-374.6428571	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-71.34002361	-561.4521842	67.47217069	-700.2643785	NO CUMPLE	CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-483.9866194	-293.0480126	-388.517316	-388.517316	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-273.5015742	-131.6282959	-359.5871985	-45.54267161	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-1086.162928	536.7906336	-274.6861472	-274.6861472	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	103.1473829	-935.8530106	-252.7350031	-579.9706246	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	45.62770563	-1022.554113	-488.4632035	-488.4632035	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-81.1540732	-214.4086974	-649.0058751	353.4431045	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-303.1808343	-78.91873278	-191.0497835	-191.0497835	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-44.60645415	-287.6013381	337.9406308	-670.148423	NO CUMPLE	CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-207.3307753	-211.4138135	-209.3722944	-209.3722944	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-311.6164896	280.079693	-226.10235	194.5655535	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-1002.661354	884.5877607	-59.03679654	-59.03679654	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	185.8559622	-782.0897285	-84.96289425	-511.270872	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	492.1497442	-1174.920307	-341.3852814	-341.3852814	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	151.3046045	-269.2483274	-60.20562771	-57.73809524	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-369.6231799	80.87859111	-141.9140383	-146.8305504	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	197.0661157	-340.399449	-73.5126778	-69.82065553	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-459.433294	145.2990948	-154.0058751	-160.1283241	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	185.6218024	-322.6131444	-70.18398268	-66.80735931	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-436.9834711	129.1912633	-150.9833024	-156.8089054	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	122.5177096	-232.3229044	-122.054731	12.24953618	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-390.268595	109.6625344	-586.9542362	306.3481756	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	180.0914994	-306.1737505	1.65275201	-127.7350031	CUMPLE	CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-348.977647	52.09464778	303.1261596	-600.0092764	NO CUMPLE	CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-271.1353798	273.7977174	-40.20871985	42.87105751	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-592.441952	424.3034238	-292.6314162	124.4928881	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	573.7495081	-812.2992916	-80.19325912	-158.3565244	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-146.8044077	-262.5462416	8.803339518	-418.1539889	NO CUMPLE	CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	163.8292011	-294.6517119	-117.0160792	-13.80643166	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-452.6229831	150.9779614	-487.9560915	186.3110699	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	207.4252263	-350.5637544	-23.35034014	-119.788188	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-421.3488784	107.4094845	185.9894867	-499.9288806	NO CUMPLE	CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-134.2237308	88.55273514	-55.04329004	9.372294372	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-605.6985439	389.2050374	-265.1020408	48.60853432	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	505.4781582	-733.7682015	-85.31385281	-142.9761905	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-268.2792208	-130.8333333	-36.87538652	-362.2371676	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	61.98937426	-124.6300669	-97.9808287	35.34013605	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-242.4173554	77.30913026	-530.1886209	365.0803958	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	119.5739866	-198.4700905	25.73747681	-104.6335807	CUMPLE	CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-201.1314443	19.74616293	359.8917749	-541.2770563	NO CUMPLE	CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-331.6637151	381.4905549	-16.13481756	65.96165739	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	-444.5956316	391.954939	-235.8658009	183.2251082	NO CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	513.2319953	-704.5956316	-56.10853432	-135.255102	CUMPLE	NO CUMPLE	
0.7	1.32	0.924	0.1341648	0.03773	1.046831956	-294.8996458	65.56895485	-359.4217687	CUMPLE	CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-69.36585341	-115.6868982	-82.59358833	-102.4591633	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-132.0781875	-197.3771875	-167.5603894	-161.8949855	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-72.88968684	-133.719951	-88.87734735	-117.7322905	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.7	5.01	3.507	7.335504225	0.1432025	-132.6456241	-218.3609342	-178.7759176	-172.2306408	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-72.00872848	-129.2116878	-87.30457452	-113.9158418	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-132.5058181	-213.1172215	-175.9741741	-169.6488655	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-86.75041704	-28.30160039	-33.58711149	-24.86170516	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-209.0322349	6.180794954	-187.066683	-15.78475702	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-51.98128977	-259.6753969	-131.6000652	-180.0566215	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-55.12414009	-400.9359569	-148.0540959	-308.0052141	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-200.6139987	181.7944948	-31.69008921	12.87058536	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-562.9225211	399.7003939	-104.08204	-59.14008717	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	61.88229187	-413.1682913	-133.4970875	-217.788912	CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	298.7664876	-794.4551103	-231.0387388	-264.6498839	CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-85.17288776	-20.19352228	-50.20245224	-55.1639578	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-190.7697351	-58.99359536	-190.7425964	-59.02073404	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-58.8445692	-238.2298534	-124.4091409	-172.6652817	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-74.2390497	-367.2379962	-161.2029003	-280.2741456	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-171.3824362	96.02458044	-48.76532649	-26.59252923	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-458.7165276	238.9560486	-127.9103018	-91.8501772	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	27.3646377	-354.4476146	-125.8462667	-201.2367103	CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	193.7077428	-665.1876401	-224.0327508	-247.4471465	CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-59.00585484	74.57471712	-0.552364658	16.12122693	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-156.200755	85.13146504	-120.0439936	48.97470365	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-24.23387613	-213.3994287	-98.56002281	-139.073282	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-2.293001678	-321.9841583	-81.02896248	-243.2481975	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-172.8694365	228.0676116	1.344657624	53.85351745	NO CUMPLE	CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-510.0913827	478.6514055	-37.05690659	5.616929406	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	89.63004701	-366.8926646	-100.4570451	-176.8055725	CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	351.597626	-715.5040987	-164.0136054	-199.8928673	CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-11.77427865	-8.123069515	-1.954051082	-17.94329708	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-92.16260379	-98.7355998	-103.6588048	-87.23939875	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-11.9670838	-14.40873599	-3.5704102	-22.80540959	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-91.15029138	-106.2263838	-110.6839382	-86.69273698	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-11.91879714	-12.83740475	-3.16632042	-21.58988146	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-91.40319874	-104.3538586	-108.9282659	-86.8287914	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-49.06967929	43.61202317	-22.38909935	16.93144324	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-147.2673814	-29.19113014	-117.5290236	-58.92948796	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	25.51827056	-59.86101364	18.47570166	-52.81844474	CUMPLE	CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-37.05816767	-168.279728	-89.79103018	-115.5468655	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-186.5832919	196.8769902	-24.1406982	34.43439651	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-341.3235121	180.616355	-115.6804758	-45.02668133	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	163.0322247	-213.1263222	20.22974459	-70.32384211	CUMPLE	CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	156.9983045	-378.0875546	-91.63957799	-129.4496721	CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-40.15694872	26.33316771	-18.63864109	4.814860076	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-133.1257587	-51.69887769	-119.4293047	-65.39533179	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	16.31935445	-52.0079772	12.30355615	-47.99217891	CUMPLE	CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-49.68098021	-157.008498	-98.42478309	-108.2646951	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-144.2726864	142.3793303	-19.96415333	18.07079718	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-280.0516845	107.1574729	-118.0272109	-54.86700069	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	120.4376021	-168.0509469	13.63191983	-61.24526457	CUMPLE	CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	97.24813845	-99.8262386	-99.82402542	-118.7901748	CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-44.35862236	46.86218666	-21.60536071	24.10892501	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-110.4009944	10.30405456	-76.06338344	-24.03356552	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	30.228986	-56.61050867	19.2594403	-45.64096297	CUMPLE	CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-0.194632122	-128.7874038	-48.32824148	-80.65379445	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-181.8754279	200.1246438	-23.36225508	41.61147094	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	-304.4574666	220.1118721	-74.21272973	-10.1283148	NO CUMPLE	NO CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	167.7429401	-209.8758172	21.01348324	-63.14636034	CUMPLE	CUMPLE	
0.7	5.01	3.507	7.335504225	0.1432025	193.8614986	-338.5948889	-50.17678928	-94.55660108	CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-10.07275132	-132.3280423	-74.1510771	-68.24971655	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-197.3239087	-88.96577381	-143.6040249	-142.6856576	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	4.761904762	-154.5634921	-78.3276644	-71.4739229	CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-219.036045	-74.67427249	-147.1952948	-146.5150227	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	1.050760582	-149.0071098	-77.28599773	-70.67035147	CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-213.6061508	-78.2390873	-146.2882653	-145.5569728	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-146.9973545	51.97751323	-73.13066893	-21.8891234	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-396.3450728	157.4165013	-128.452381	-110.4761905	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	126.8617725	-316.6236772	-75.17006803	-114.5918367	CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	1.687334656	-335.3579696	-158.7655896	-174.9050454	CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-580.5415013	631.8510251	-32.74659864	84.05612245	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-1008.373843	915.7746362	-61.40164399	-31.19756236	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	560.4059193	-896.4971892	-115.5456349	-220.5456349	CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	613.7161045	-1093.716104	-225.8248299	-254.1751701	CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-102.6190476	-9.464285714	-76.50935374	-35.57397959	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-364.2931548	108.3010913	-134.824263	-121.1678005	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	104.7247024	-288.5540675	-78.06264172	-105.7667234	CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-62.92493386	-264.7933201	-157.7706916	-169.9475624	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-430.8738426	429.5841601	-45.93395692	44.64427438	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-827.6876653	682.4892526	-84.05328798	-61.14512472	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	432.989418	-727.5925926	-108.6281179	-185.9750567	CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	400.4695767	-838.9814815	-208.5416667	-229.9702381	CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-142.9753638	104.8999669	-43.47647392	5.401077098	NO CUMPLE	NO CUMPLE	
0.7	1.44	1.008	0.1741824	0.04116	-317.4107143	193.0059524	-71.01190476	-53.39285714	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL				VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL			
0.7	1.44	1.008	0.1741824	0.04116	130.8936839	-263.6913029	-45.50595238	-87.29166667	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	80.61755952	-299.7643849	-101.316661	-117.8302154	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-576.5195106	684.7734788	-3.092403628	111.3463719	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-929.4394841	951.3640873	-3.952664399	25.87726757	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	564.4378307	-843.5648148	-85.88151927	-193.2454649	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	692.650463	-1058.126653	-168.3758503	-197.1003401	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	47.28670635	-46.01686508	-8.506235828	9.776077098	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-128.4416336	-40.68535053	-79.89512472	-89.23185941	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	78.47470238	-84.14930556	-12.51417234	6.839569161	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-162.7273479	-13.36392196	-82.9350907	-93.15617914	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	70.66964286	-74.61805556	-11.51502268	7.566609977	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-154.1534392	-20.19179894	-82.17261905	-92.17261905	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-36.43270503	54.74619709	-22.67148526	40.98497732	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-204.0525794	51.94940476	-91.78287982	-60.32029478	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	131.0160384	-146.7700066	5.66893424	-21.42292049	CUMPLE	CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-52.82655423	-133.3242394	-68.00736961	-118.143424	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-332.9637897	389.3328373	-16.60289116	72.97193878	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-452.3346561	338.3068783	-105.8234127	-8.204365079	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	427.5429894	-481.3532132	-0.399659864	-53.40986395	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	195.4555225	-419.681713	-53.96683673	-170.2593537	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	7.280919312	1.667493386	-22.24348073	31.19189342	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-211.3955026	49.94708995	-91.16638322	-70.28202948	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	134.0724206	-150.8978175	-0.776643991	-16.04875283	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-96.90724206	-90.33482143	-73.17035147	-114.071712	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-217.2263558	255.0041336	-17.64172336	55.41950113	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-399.3923611	266.7534722	-101.8041383	-30.83475057	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	358.5796958	-404.2344577	-5.378401361	-40.27636054	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	91.0896164	-307.1412037	-62.53259637	-153.5189909	CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-55.35383598	73.15145503	-19.27295918	37.0757823	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-152.6719577	68.22751323	-59.81575964	-24.62868481	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	112.099041	-128.3688823	9.067460317	-25.33730159	CUMPLE	CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-1.455853175	-117.0560516	-36.05867347	-82.45323129	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-351.880787	407.7339616	-13.20436508	69.05753968	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	-400.9680886	354.5791997	-73.87471655	27.48582766	NO CUMPLE	NO CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	408.6259921	-462.9513889	2.998866213	-57.32426304	CUMPLE	CUMPLE			
0.7	1.44	1.008	0.1741824	0.04116	246.8361442	-403.4036045	-21.99971655	-134.5677438	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-105.4547914	-140.6058146	-127.5943105	-118.4662956	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-206.8410567	-183.6243113	-192.6631107	-197.8022573	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-117.9661059	-175.0966647	-151.2623686	-141.800402	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-239.462072	-197.9946379	-216.0984848	-221.3582251	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-114.8369244	-166.4725994	-145.3440012	-135.9655226	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-231.3095238	-194.4047619	-210.2411874	-215.4730983	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-106.4216844	45.28532074	-70.50788497	9.371521336	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-271.569756	66.02863046	-160.0293754	-45.51175015	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-104.4878985	-326.49695	-184.6807359	-246.3041126	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-142.1111275	-433.2784829	-225.2922078	-350.0974026	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-302.8246753	120.0649351	-126.7416512	-56.01808905	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-830.7347009	503.5701987	-176.2956092	-150.868893	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	91.91632231	-401.2777942	-128.4423315	-180.9191404	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	417.0538174	-870.8200512	-209.0306122	-244.7356215	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-115.5701495	-25.72855175	-102.119666	-39.17903525	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-280.3155746	-5.377066116	-185.5318491	-100.1607916	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-114.1024695	-307.2178768	-188.5636982	-232.7566481	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-182.2980618	-383.4270464	-234.9451144	-330.7799938	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-264.2771055	30.88965958	-144.703927	-88.68351886	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-703.684327	325.9029418	-197.8470934	-179.9342919	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	34.59907517	-363.8414994	-145.9894867	-183.2529375	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	241.0706907	-714.7070543	-222.6298701	-251.0064935	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-64.24267021	101.52622	-19.47047001	56.75401979	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-188.8319067	139.4812574	-82.96382189	33.61317254	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-62.30765447	-270.2572806	-133.6479592	-198.9169759	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-59.37204841	-359.8270858	-148.2266543	-270.9724799	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-260.6456612	176.3058343	-75.70887446	-8.630952381	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-747.9968516	577.0228257	-99.22541744	-71.74860853	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	134.0953365	-345.0368949	-77.40955473	-133.5320037	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	499.7928965	-797.3686541	-131.9604205	-165.615337	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	5.681818182	-27.11038961	-11.8135436	-9.615027829	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-106.2143349	-86.20990752	-98.02566481	-94.39857761	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	11.19244392	-50.40240063	-21.70609153	-17.50386518	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-128.1412338	-82.06439394	-107.9553185	-102.2503092	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	9.815525384	-44.57743015	-19.23160173	-15.53030303	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-122.6581562	-83.09941952	-105.4715523	-100.2860235	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-33.1242621	40.05066903	-31.59709338	38.52350031	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-148.204939	-15.87514758	-123.0975572	-40.98252938	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	44.48666863	-94.27021842	7.970006184	-57.75355597	CUMPLE	CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-64.22914207	-156.5500787	-72.95918367	-147.8200371	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-218.3166076	217.4075167	-21.05751391	20.14842301	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-259.4802735	87.57551161	-110.8596166	-61.04514533	NO CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	229.6790142	-271.6270661	-2.574211503	-39.37384045	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	47.04619244	-260.0007379	-85.20176252	-127.7527829	CUMPLE	NO CUMPLE			
0.7	2.64	1.848	1.0733184	0.07546	-19.56980519	6.268939394	-34.21536797	20.91450216	NO CUMPLE	NO CUMPLE			

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION					ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL		
0.7	2.64	1.848	1.0733184	0.07546	-154.4502656	-29.84627115	-124.4534632	-59.84307359	NO CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	39.20208579	-95.42502952	-4.252473717	-51.97047001	CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	-90.87022826	-136.3592029	-86.49505257	-140.7343847	NO CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	-159.7801063	140.559327	-26.22912801	7.008348794	NO CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	-238.7049882	48.47771547	-115.1924861	-75.03478664	NO CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	179.411157	-229.7141873	-12.23871367	-38.06431664	CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	-6.615505706	-214.6831956	-95.7606679	-125.5380334	NO CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	-35.39723534	50.89507084	-26.8707483	42.3685838	NO CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	-105.719451	18.60906139	-83.88450835	-3.225881262	NO CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	42.21492523	-83.42704644	12.69635127	-53.90847248	CUMPLE	CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	-21.74242424	-122.0670996	-33.75077304	-110.0587508	NO CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	-220.588351	228.2506887	-16.33116883	23.99350649	NO CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	-216.9947855	122.0597206	-71.64656772	-23.28849722	NO CUMPLE	NO CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	227.4060409	-260.7826643	2.152133581	-35.52875696	CUMPLE	CUMPLE		
0.7	2.64	1.848	1.0733184	0.07546	89.53168044	-225.5165289	-45.98871367	-89.99613482	CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-106.4429134	-87.75473822	-75.82750909	-118.3701426	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-151.0657655	-162.7551738	-155.9040397	-157.9168996	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-134.5549788	-99.11429711	-86.26642438	-147.4028516	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-172.0410892	-181.2514744	-174.1029494	-179.1896142	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-127.5270253	-96.27434456	-83.65774392	-140.1436259	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-166.7972583	-176.6273993	-169.5526978	-173.8719597	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-119.4503961	-19.8253347	-72.85015376	-66.42577579	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-227.7358724	-31.16823714	-200.6779424	-58.22616718	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-93.43273329	-155.6817481	-78.80451496	-170.3099665	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-74.39810471	-294.3445567	-111.1325832	-257.6100783	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-209.0729633	60.0367978	-74.4489097	-74.58729382	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-514.6162675	245.9567763	-169.504473	-99.15501817	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-3.812612256	-235.5464875	-77.2082052	-162.1508946	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	212.4847365	-571.467124	-142.3036064	-216.6787811	CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-137.3749263	-44.84131638	-81.40236231	-100.8138803	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-224.8473146	-76.99710814	-203.4536623	-98.39076041	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-117.6766781	-147.7049265	-85.91067934	-179.4709254	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-108.747202	-276.2576904	-135.65383	-249.3510623	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-205.2331749	15.62456438	-82.61392228	-106.9946883	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-442.0574753	132.825577	-179.8521806	-129.3797176	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-49.82087567	-208.1732535	-84.70156556	-173.2925636	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	108.4629587	-486.0803756	-159.2553117	-218.3621051	CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-76.87469842	15.27489411	-42.52061784	-19.07918647	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-167.3094657	33.93373187	-138.3163265	4.940592675	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-50.85703563	-120.5813205	-48.47497903	-122.9633771	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-13.97194931	-229.2423364	-48.77096729	-194.4433184	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-166.4972656	95.13718736	-44.11937378	-27.2407045	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-454.1901121	311.0589966	-107.1428571	-35.98825832	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	38.76553159	-200.4436138	-46.87622309	-114.8018591	CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	272.9111432	-506.3651549	-79.94199049	-153.5120212	CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-18.03941707	-7.322618154	1.603997763	-26.96603299	NO CUMPLE	CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-94.7045814	-101.5967885	-118.6734694	-77.62790048	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-34.94666984	-11.84882918	0.209323455	-47.00482248	NO CUMPLE	CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-101.9796969	-115.7578646	-141.5847777	-76.15005591	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-30.71802201	-10.71544179	0.558778306	-41.9922421	NO CUMPLE	CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-100.1594208	-112.21827	-135.8575622	-76.5201286	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-51.36939388	37.31851326	-19.80081074	5.749930109	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-157.1192833	-27.87582433	-139.6068633	-45.38824434	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	15.29300592	-51.96130338	23.01125245	-59.6795499	CUMPLE	CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-32.292577	-175.3199475	-97.74252167	-109.8700028	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-161.0010086	167.4197953	-11.56625664	17.98504333	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-358.180525	193.6599771	-121.7752306	-42.74531731	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	124.9243694	-182.0623341	14.77669835	-71.91466313	CUMPLE	CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	168.7711109	-396.8533027	-115.5717081	-112.5104836	CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-55.9547657	23.08294574	-15.64963657	-17.22218339	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-147.4155899	-56.40045707	-151.7053397	-52.1107073	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-5.481278315	-44.51382932	16.76719318	-66.76230081	NO CUMPLE	CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-52.90350307	-168.0358316	-120.007688	-100.9316466	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-138.9612766	121.5884781	-9.413964216	-7.958834219	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-299.6492742	111.3322487	-138.2065977	-50.11042773	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	77.52278637	-143.0218079	10.52907464	-76.02809617	CUMPLE	CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	99.33018122	-335.7685374	-133.5085267	-102.9282925	CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-44.15494397	40.24594202	-20.44555493	16.53655298	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-119.2362712	12.76366847	-92.13691641	-14.33568633	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	22.50720451	-49.0336233	22.36860498	-48.89502376	CUMPLE	CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	5.590435086	-134.6804547	-50.27257478	-78.81744479	CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-153.7841125	170.3496703	-12.20645793	28.77201566	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	-320.2995991	234.2970237	-74.30563321	-11.69730221	NO CUMPLE	NO CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	132.1388193	-179.1349054	14.13405088	-61.13013699	CUMPLE	CUMPLE		
0.7	5.84	4.088	11.61864107	0.166926667	206.6538717	-356.2135586	-68.10176125	-81.45792564	CUMPLE	NO CUMPLE		
0.7	1.1	0.77	0.077641667	0.031441667	-88.12042503	-83.51593861	-91.52875696	-80.10760668	NO CUMPLE	NO CUMPLE		
0.7	1.1	0.77	0.077641667	0.031441667	-161.9031877	-153.6292798	-161.6957328	-153.8367347	NO CUMPLE	NO CUMPLE		
0.7	1.1	0.77	0.077641667	0.031441667	-77.0283353	-115.1534829	-118.6660482	-73.51576994	NO CUMPLE	NO CUMPLE		
0.7	1.1	0.77	0.077641667	0.031441667	-191.9539551	-144.1239669	-141.096475	-154.9814471	NO CUMPLE	NO CUMPLE		
0.7	1.1	0.77	0.077641667	0.031441667	-79.79811098	-107.2408501	-111.8868275	-75.15213358	NO CUMPLE	<		

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
Realizó:
Contiene:
Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL				VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL			
0.7	1.1	0.77	0.077641667	0.031441667	-547.2668241	414.4616293	-96.66975881	-36.13543599	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-730.6009445	453.8996458	-153.0222635	-123.6790353	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	371.025974	-581.4935065	-86.3877551	-124.0797774	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	406.8075561	-761.1452184	-170.3562152	-183.9814471	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-1376.552538	1320.968123	-66.53061224	10.94619666	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-1751.780401	1552.299882	-119.9332096	-79.54730983	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	1200.318772	-1488.007084	-116.5269017	-171.16141	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	1427.974026	-1859.558442	-203.4471243	-228.1372913	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-427.4474616	269.785124	-115.7884972	-41.87384045	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-615.0188902	313.4864227	-169.6790353	-131.8534323	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	267.8453365	-484.2868949	-107.987013	-108.4545455	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	246.1428571	-606.4805195	-182.8070501	-177.5306122	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-1055.324675	956.1558442	-92.95361781	-6.215213358	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-1388.205431	1145.140496	-144.6307978	-98.43413729	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	895.7284534	-1170.637544	-130.8089054	-144.1001855	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	1019.322314	-1438.127509	-207.8552876	-210.9499072	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-512.0212515	447.8654073	-60.06307978	-4.092764378	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-665.8394333	515.3459268	-88.34879406	-62.14471243	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	406.2845336	-548.076414	-49.76808905	-92.02411874	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	471.5619835	-699.6918536	-105.6827458	-122.4471243	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-1341.306966	1354.371901	-29.92393321	42.98886827	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-1687.012987	1613.766234	-55.24675325	-18	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	1235.557261	-1454.596222	-79.92022263	-139.1187384	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	1492.735537	-1798.112161	-138.7736549	-166.6029685	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	27.15466352	-24.55726092	8.968460111	-6.371057514	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-114.8382527	-52.95395514	-79.36549165	-88.42671614	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	24.45808737	-26.12042503	12.63821892	-14.30055659	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-124.5478158	-47.50413223	-66.05565863	-105.9962894	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	25.1322314	-25.729634	11.72356215	-12.32096475	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-122.1239669	-48.86304604	-69.38589981	-101.6011132	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-197.0224321	231.3081464	-25.68089054	59.96660482	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-312.35183	176.2479339	-81.27643785	-54.82745826	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	251.3447462	-280.4096812	43.63079777	-72.69573284	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	82.66824085	-282.1487603	-77.45454545	-122.025974	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-581.7001181	670.1676505	33.50278293	54.96474954	NO CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-645.9268005	564.0047226	-65.9851577	-15.93692022	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	636.0094451	-719.2821724	-15.56586271	-67.70686456	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	416.2432113	-669.905549	-92.7458256	-160.9165121	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-144.596222	167.9988194	-14.51391466	37.91651206	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-271.6765053	124.665183	-70.83487941	-76.17810761	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	194.8807556	-219.4521842	37.96289425	-62.53432282	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	27.42857143	-222.3896104	-67.9257885	-127.0352505	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-435.8559622	500.2715466	30.29313544	34.12244898	NO CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-524.231405	418.257379	-59.2541744	-46.71985158	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	486.1275089	-551.7378985	-6.846011132	-58.76437848	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	279.9834711	-515.9834711	-79.50649351	-156.4935065	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-207.8842975	241.1310508	-29.26159555	62.50834879	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-266.4108619	197.4238489	-49.53246753	-19.45454545	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	240.4828808	-270.5867769	40.03896104	-70.14285714	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	128.6021251	-260.9657615	-45.71057514	-86.65306122	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-592.5619835	679.9905549	29.9109462	57.51762523	NO CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-599.9858323	585.1806375	-34.24118738	19.43599258	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	625.1475797	-709.459268	-19.14656772	-65.16512059	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	462.1770956	-648.7225502	-60.99072356	-125.554731	CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-157.289504	-92.9625968	-126.3745498	-123.877551	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-169.2354589	-224.994233	-197.1148459	-197.1148459	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-218.9158016	-71.28027682	-148.4593838	-141.7366947	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-149.1349481	-285.0387214	-217.0868347	-217.0868347	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-203.51623	-76.70785961	-142.9451781	-137.2789116	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-154.1670786	-270.0346021	-212.1008403	-212.1008403	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-1378.592849	1165.483605	-243.8895558	30.78031212	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-1438.026034	1080.939199	-178.5434174	-178.5434174	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	1063.98583	-1351.43681	-8.887555022	-278.5634254	CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	1099.522162	-1530.894711	-215.6862745	-215.6862745	CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-3623.946284	3477.783819	-159.5158063	13.35334134	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-3766.984676	3476.84462	-145.070028	-145.070028	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	3309.339265	-3663.737024	-93.23729492	-261.1604642	CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	3428.452793	-3926.828143	-249.1876751	-249.1876751	CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-1128.225408	876.1245675	-231.9087635	-20.19207683	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-1114.796507	718.7180755	-198.0392157	-198.0392157	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	721.1599934	-1029.507332	-53.95758303	-254.3897559	CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	806.4623496	-1258.78728	-226.162465	-226.162465	CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-2828.266601	2626.866041	-168.0232093	-33.37735094	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-2878.175976	2532.797825	-172.6890756	-172.6890756	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	2421.234141	-2780.28176	-117.8431373	-241.2044818	CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	2569.841819	-3072.867029	-251.512605	-251.512605	CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-1315.651672	1202.654474	-193.3293317	80.33213285	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-1370.313066	1170.929313	-99.69187675	-99.69187675	NO CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	1126.894052	-1314.232987	-41.67266907	-229.0116046	CUMPLE	CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	1167.207118	-1440.932608	-136.8627451	-136.8627451	CUMPLE	NO CUMPLE			
0.7	0.51	0.357	0.007737975	0.0145775	-3561.038062	3514.987642	-108.9795918	62.92917167	NO CUMPLE	NO CUMPLE			

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
Realizó:
Contiene:
Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE		ESFUERZOS DE FLEXION EJE DEBIL		VERIFICACIONES		
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL
0.7	0.51	0.357	0.007737975	0.0145775	-3699.304663	3566.867688	-66.21848739	-66.21848739	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	3372.280442	-3626.566156	-42.67707083	-211.6086435	CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	3496.16576	-3836.838029	-170.3361345	-170.3361345	CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-143.5524798	130.8914154	-4.697879152	-7.963185274	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	42.19805569	-225.391333	-91.21248499	-91.98079232	CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-152.5737354	131.2291976	-5.966386555	-15.37815126	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	42.60174658	-1371.49448	-95.07402961	-96.80272109	CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-150.2949415	131.1352776	-5.642256903	-13.51740696	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	42.50782666	-232.1997034	-94.10164066	-95.59023609	CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-1298.619212	1296.602406	-12.72509004	10.70828331	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-1093.199868	920.706871	-216.8827531	44.3897559	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	1011.519196	-1034.88054	3.301320528	-26.66266507	CUMPLE	CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	1177.656945	-1371.49448	34.48579432	-228.3233293	CUMPLE	CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-3258.141374	3276.18059	-3.465386154	21.50460184	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-3016.566156	2864.073159	-141.6726691	-10.82032813	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	2971.069369	-3014.430713	-5.930972149	-37.43097239	CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	3100.990278	-3314.827813	-40.72428972	-173.1132453	CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-1024.857472	1013.765035	-11.71668667	0.6242497	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-817.1593343	635.5346845	-189.2757103	7.651060424	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	724.2395782	-751.5224913	0.404161665	-27.68707483	CUMPLE	CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	902.1749876	-1099.934091	1.048419368	-198.807523	CUMPLE	CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-2508.545065	2512.578679	-4.729891957	8.763505402	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-2273.40089	2106.958313	-132.2969188	-34.14565826	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	2207.894217	-2250.30318	-6.582633053	-35.82633053	CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	2358.416543	-2571.35772	-55.90636255	-157.0348139	CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-1241.201186	1244.282419	-10.82432973	13.90556222	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-1110.07909	1010.863404	-180.3881553	81.17246899	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	1068.970176	-1087.233482	5.202080832	-23.46538615	CUMPLE	CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	1160.744768	-1281.304993	70.95638255	-191.5166066	CUMPLE	CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-3200.718405	3223.799638	-1.592637055	24.67386955	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	-3033.445378	2954.229692	-105.1780712	25.96238495	NO CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	3028.459384	-3066.778711	-4.057623049	-34.26170468	CUMPLE	NO CUMPLE
0.7	0.51	0.357	0.007737975	0.0145775	3084.083045	-3224.699291	-4.281712685	-136.3345338	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-118.9761905	-156.8333333	-138.292517	-137.5170068	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-232.3571429	-186.7380952	-209.547619	-209.547619	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-148.1190476	-174.0714286	-161.8095238	-160.3809524	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-250.5238095	-214.952381	-232.7380952	-232.7380952	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-140.8333333	-169.7380952	-155.9183673	-154.6530612	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-245.9761905	-207.9285714	-226.952381	-226.952381	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-1077.357143	824.9761905	-393.8639456	141.4829932	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-1247.833333	852.1190476	-197.8571429	-197.8571429	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	839.4047619	-1138.642857	117.2789116	-416.5170068	CUMPLE	CUMPLE
0.7	0.6	0.42	0.0126	0.01715	783.0714286	-1225.595238	-221.2619048	-221.2619048	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-2872.166667	2658.833333	-192.8095238	-20.52380952	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-3144.095238	2787.428571	-178.3333333	-178.3333333	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	2634.214286	-2972.5	-83.7755102	-254.5102041	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	2679.357143	-3160.928571	-240.7857143	-240.7857143	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-866.452381	573.5952381	-349.4285714	56.57142857	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-1014.809524	578.6666667	-218.0714286	-218.0714286	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	584.7857143	-913.1190476	37.58843537	-365.9217687	CUMPLE	CUMPLE
0.7	0.6	0.42	0.0126	0.01715	522.8571429	-994.4761905	-235.8095238	-235.8095238	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-2225.380952	1962.095238	-197.1938776	-66.09183673	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-2450.547619	2043.97619	-203.2857143	-203.2857143	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	1943.714286	-2301.619048	-114.6462585	-243.2585034	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	1958.619048	-2459.809524	-250.5952381	-250.5952381	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-1029.761905	887.7142857	-338.5340136	196.4863946	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-1154.857143	926.8095238	-114.0238095	-114.0238095	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	887	-1075.904762	172.6088435	-361.5136054	CUMPLE	CUMPLE
0.7	0.6	0.42	0.0126	0.01715	876.0238095	-1150.928571	-137.452381	-137.452381	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-2824.571429	2721.571429	-137.5	34.5	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-3051.142857	2862.142857	-94.5	-94.5	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	2681.809524	-2909.761905	-28.44557823	-199.5068027	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	2772.285714	-3086.238095	-156.9761905	-156.9761905	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	10.47619048	-39.42857143	-14.1292517	-14.82312925	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-126.1190476	-72.54761905	-99.39455782	-99.27210884	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	26.78571429	-65.35714286	-18.28571429	-20.28571429	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-152.8333333	-55.45238095	-104.1020408	-104.1836735	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	22.71428571	-58.85714286	-17.23469388	-18.90816327	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-146.1428571	-59.71428571	-102.9081633	-102.9489796	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-748.3571429	743.4047619	-39.78231293	34.82993197	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-863.9761905	689.3095238	-316.2721088	141.6054422	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	769.3095238	-822.2619048	11.54421769	-64.49659864	CUMPLE	CUMPLE
0.7	0.6	0.42	0.0126	0.01715	611.7380952	-834.4047619	117.4829932	-340.1496599	CUMPLE	CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-2006.5	2046.5	8.326530612	31.67346939	NO CUMPLE	CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-2082.309524	1952.595238	-142.1020408	12.3877551	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	2027.428571	-2125.380952	-36.58843537	-61.36394558	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	1830.047619	-2097.714286	-56.71088435	-210.9557823	CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-551.8333333	533.8333333	-36.67346939	18.67346939	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	-704.8095238	517.0952381	-267.122449	79.40816327	NO CUMPLE	NO CUMPLE
0.7	0.6	0.42	0.0126	0.01715	597.2619048	-651.5952381	2.200680272	-56.53401361	CUMPLE	CUMPLE
0.7	0.6	0.42	0.0126	0.01715	412.5238095	-636.5714286	61.28231293	-285.329932	CUMPLE	CUMPLE

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
Realizó:
Contiene:
Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL				VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL			
0.7	0.6	0.42	0.0126	0.01715	-1504.404762	1520.5	-0.238095238	16.33333333	NO CUMPLE	NO CUMPLE			
0.7	0.6	0.42	0.0126	0.01715	-1627.238095	1473.619048	-135.2380952	-18.38095238	NO CUMPLE	NO CUMPLE			
0.7	0.6	0.42	0.0126	0.01715	1549.833333	-1638.214286	-34.23129252	-54.14965986	CUMPLE	NO CUMPLE			
0.7	0.6	0.42	0.0126	0.01715	1334.952381	-1593.047619	-70.57823129	-187.5170068	CUMPLE	NO CUMPLE			
0.7	0.6	0.42	0.0126	0.01715	-752.5714286	759.1904762	-34.13945578	40.7585034	NO CUMPLE	NO CUMPLE			
0.7	0.6	0.42	0.0126	0.01715	-813.5238095	718.3333333	-276.4931973	181.3027211	NO CUMPLE	NO CUMPLE			
0.7	0.6	0.42	0.0126	0.01715	765.1190476	-806.5	17.18707483	-58.56802721	CUMPLE	CUMPLE			
0.7	0.6	0.42	0.0126	0.01715	662.1904762	-805.3809524	157.2414966	-300.4319728	CUMPLE	CUMPLE			
0.7	0.6	0.42	0.0126	0.01715	-2010.666667	2062.285714	13.99319728	37.62585034	NO CUMPLE	CUMPLE			
0.7	0.6	0.42	0.0126	0.01715	-2031.857143	1981.619048	-102.3435374	52.10544218	NO CUMPLE	NO CUMPLE			
0.7	0.6	0.42	0.0126	0.01715	2023.238095	-2109.619048	-30.94557823	-55.43537415	CUMPLE	NO CUMPLE			
0.7	0.6	0.42	0.0126	0.01715	1880.5	-2068.690476	-16.95238095	-171.2380952	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-160.0672963	-130.4002361	-145.4897959	-144.977365	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-213.7532468	-220.6103896	-217.1818182	-217.1818182	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-198.8984652	-141.3353011	-170.5064935	-169.7272727	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-227.8051948	-256.3246753	-242.0649351	-242.0649351	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-189.1924439	-138.5997639	-164.2523191	-163.5398887	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-224.2904368	-247.3978749	-235.8441558	-235.8441558	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-411.3305785	232.1357733	-318.4100186	139.2152134	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-591.7249115	268.6340024	-161.5454545	-161.5454545	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	91.19598583	-492.9362456	27.44155844	-429.1818182	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	164.2384888	-709.8488784	-272.8051948	-272.8051948	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-908.1416765	921.4403778	-86.7458256	100.0445269	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-1318.299882	1187.702479	-65.2987013	-65.2987013	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	588.0070838	-182.24085	-204.2226345	-390.0111317	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	890.8004723	-1628.930342	-369.0649351	-369.0649351	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-379.4262102	135.8937426	-295.1762523	51.64378479	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-510.4675325	123.038961	-193.7142857	-193.7142857	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	1.061393152	-413.0873672	-33.31539889	-378.7105751	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	61.89964581	-617.8217237	-277.961039	-277.961039	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-755.5855962	657.7933884	-119.7829314	21.99072356	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-1060.591499	818.9031877	-120.8441558	-120.8441558	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	377.2007084	-934.9929162	-208.7328386	-349.0593692	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	612.0236128	-1313.68595	-350.8311688	-350.8311688	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-347.3034238	284.2904368	-260.2189239	197.2059369	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-506.2290437	356.8783943	-74.67532468	-74.67532468	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	155.2361275	-440.768595	85.64564007	-371.1781076	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	249.7343566	-621.6044864	-185.9350649	-185.9350649	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-844.1145218	973.5950413	-28.55473098	158.0352505	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-1232.791027	1275.959858	-21.58441558	21.58441558	NO CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	652.0342385	-1130.086187	-146.0315399	-332.0204082	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	976.29634	-1540.68595	-282.1948052	-282.1948052	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-14.92089728	-19.78040142	-17.2949072	-17.40630798	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-101.3966942	-103.7201889	-102.8033395	-102.3135436	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-23.63400236	-23.37898465	-23.43970315	-23.57328386	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-105.0743802	-112.3282172	-108.9795918	-108.4230056	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-21.45690673	-22.49114522	-21.90723562	-22.04081633	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-104.1582054	-110.1794569	-107.4471243	-106.890538	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-212.7142857	203.3896104	-28.79591837	19.47124304	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-246.2396694	66.52538371	-302.16141	122.4471243	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	182.8595041	-242.9634002	-5.807050093	-54.29684601	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	43.459268	-273.9527745	96.55658627	-327.0500928	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-537.7863046	568.0979929	4.402597403	25.90909091	NO CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-461.2066116	321.1027155	-153.4619666	13.3580705	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	507.9515939	-607.6658796	-38.99257885	-60.72170686	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	258.4132231	-528.5430933	-52.15584416	-217.974026	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-171.2113341	146.4840614	-30.61966605	5.892393321	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-213.8323495	-18.71546635	-258.3896104	63.27272727	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	128.2904368	-191.459268	-13.20593692	-49.96289425	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	5.515938607	-239.0743802	43.49536178	-277.0538033	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-417.3364817	422.635183	-5.476808905	10.7755102	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-376.5867769	211.4698937	-145.7977737	-19.31910946	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	374.4285714	-467.5974026	-38.33580705	-54.83302412	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	168.270366	-431.8288076	-69.09647495	-194.4619666	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-206.7367178	211.3081464	-21.87012987	26.44155844	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-205.6942149	108.0059032	-261.0482375	163.3599258	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	188.837072	-235.0448642	-1.118738404	-47.32653061	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	84.02479339	-232.4663518	137.6827458	-286.1243043	CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-531.8217237	576.0035419	11.31539889	32.86641929	NO CUMPLE	CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	-420.6410862	362.5891381	-112.3358071	54.283859	NO CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	513.9090909	-599.7532468	-32.07977737	-53.76437848	CUMPLE	NO CUMPLE			
0.7	1.1	0.77	0.077641667	0.031441667	298.9716647	-487.0495868	-11.0296846	-177.0482375	CUMPLE	NO CUMPLE			
0.6	3.38	2.028	1.9307236	0.06084	-147.5894285	-113.7320705	-154.5019724	-106.8195266	NO CUMPLE	NO CUMPLE			
0.6	3.38	2.028	1.9307236	0.06084	-183.9486829	-221.7712382	-200.9516765	-204.7682446	NO CUMPLE	NO CUMPLE			
0.6	3.38	2.028	1.9307236	0.06084	-186.0110232	-129.7384837	-191.2327416	-124.5167653	NO CUMPLE	NO CUMPLE			
0.6	3.38	2.028	1.9307236	0.06084	-203.5045166	-256.6434123	-227.9733728	-232.1745562	NO CUMPLE	NO CUMPLE			
0.6	3.38	2.028	1.9307236	0.06084	-176.4043918	-125.7356477	-182.0512821	-120.0887574	NO CUMPLE	NO CUMPLE			
0.6	3.38	2.028	1.9307236	0.06084	-198.6190376	-247.9292859	-221.2228797	-225.3254438	NO CUMPLE	NO CUMPLE			
0.6	3.38	2.028	1.9307236	0.06084	-230.4974441	68.81105353	-135.8431953	-25.84319527	NO CUMPLE	NO CUMPLE			
0.6	3.38	2.028	1.9307236	0.06084	-334.0094593	27.92464666	-226.2672584	-79.81755424	NO CUMPLE	NO CUMPLE			
0.6	3.38	2.028	1.9307236	0.06084	-64.68053756	-296.2760699	-173.1607495	-187.795858	NO CUMPLE	NO CUMPLE			

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION			ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.6	3.38	2.028	1.9307236	0.06084	-33.89283755	-471.472054	-175.6459566	-329.7189349	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-478.866082	360.0593758	-128.3037475	9.49704142	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-932.5925504	669.3874222	-173.1114398	-90.09368836	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	183.6831694	-587.5293232	-180.7051282	-223.1410256	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	564.6911289	-1112.935705	-228.7968442	-319.4477318	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-239.1802341	12.47411972	-167.9240631	-58.78205128	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-312.233757	-58.8707795	-240.3846154	-130.7199211	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-113.6334804	-263.950346	-196.178501	-181.4053254	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-84.99938728	-436.9828612	-202.056213	-319.9260355	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-427.2304308	232.9897996	-162.2189349	-32.02169625	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-765.4471132	426.8080599	-200.142998	-138.4960552	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	74.41759159	-484.4669013	-201.8885602	-208.1607495	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	368.2139689	-922.6617007	-242.3027613	-312.1449704	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-171.4626589	114.3028956	-74.0433925	16.88362919	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-260.4299861	116.6331419	-145.887574	2.090729783	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-5.645752366	-250.7842279	-111.3609467	-145.0690335	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	39.69156659	-382.7586277	-95.26134122	-247.8057199	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-419.8312968	405.5512179	-66.50394477	52.22386588	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-859.0130773	758.0959175	-92.73175542	-8.185404339	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	242.7228855	-542.0325502	-118.9003945	-180.4092702	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	638.2697268	-1024.226334	-148.4171598	-237.5394477	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-28.2262234	-0.935512295	-31.32642998	2.16469428	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-87.32724111	-112.8305498	-77.79585799	-122.3619329	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-52.71036845	2.937192909	-52.10552268	2.33234714	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-84.21311695	-136.5659757	-77.01676529	-143.7623274	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-46.59136001	1.966113465	-46.91321499	2.287968442	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-84.99019642	-130.6311054	-77.21400394	-138.4072978	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-131.1338597	106.6466802	-62.69230769	38.20512821	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-216.7054141	21.22217943	-100.8234714	-94.65976331	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	74.6822882	-108.5185801	0.034516765	-33.87080868	CUMPLE	CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	42.04600096	-246.88821	-54.76824458	-150.0739645	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-405.688468	390.9152924	-61.62721893	46.85404339	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-539.6368591	353.8577664	-100.9418146	-84.83727811	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	349.2368965	-392.7871923	-1.025641026	-42.52465483	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	364.9765706	-579.5229217	-54.64990138	-159.8964497	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-124.5067283	83.42191567	-70.65581854	29.57100592	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-182.9477551	-29.13311275	-94.64990138	-117.4309665	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	31.32313294	-79.48881342	-23.16568047	-25	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	12.96736225	-232.129098	-59.77317554	-159.3885602	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-332.3833199	298.655093	-69.85207101	36.12426036	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-427.4526452	222.7189174	-94.73865878	-109.995069	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	239.2046555	-294.714746	-23.96942801	-31.5433925	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	257.4673214	-483.9860591	-59.68934911	-166.8293886	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-119.842034	107.0215212	-50.15779093	37.33727811	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-181.776315	66.35225191	-69.70907298	-45.71499014	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	85.97323857	-108.1428638	12.56903353	-34.73865878	CUMPLE	CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	76.98003104	-201.7532066	-23.64891519	-101.1242604	CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-394.3975176	391.2910087	-49.09270217	45.98619329	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	-504.702829	398.9927699	-69.82248521	-35.88757396	NO CUMPLE	NO CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	360.5287222	-392.4123513	11.50394477	-43.38757396	CUMPLE	CUMPLE	
0.6	3.38	2.028	1.9307236	0.06084	399.9056697	-534.3928492	-23.53550296	-110.9516765	CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-124.1693575	-146.9102646	-133.6167341	-137.462888	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-208.1468854	-207.5076355	-207.8272605	-207.8272605	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-153.3120796	-194.1912942	-176.8960864	-170.6072874	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-248.8370841	-243.2411885	-246.0391363	-246.0391363	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-146.0243024	-182.3697597	-166.0728745	-162.3211876	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-238.6628476	-234.3061133	-236.4844804	-236.4844804	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-188.0977397	-44.81724008	-267.4089069	34.49392713	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-388.8580373	11.3681588	-188.7449393	-188.7449393	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-60.23933627	-249.0049282	0.175438596	-309.4197031	NO CUMPLE	CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-27.42898589	-426.3766821	-226.902834	-226.902834	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-397.3530408	272.6431893	-212.2402159	87.53036437	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-963.01196	693.7272096	-134.6423752	-134.6423752	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	149.0159649	-566.4653576	-54.98650472	-362.462888	CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	546.7198282	-1108.74412	-281.0121457	-281.0121457	CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-194.4289914	-105.0716834	-267.3751687	-32.12550607	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-375.4889169	-68.58665661	-222.0377868	-222.0377868	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-97.6212526	-259.6661968	-64.7705803	-292.5168691	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-101.8367782	-400.02557	-250.9311741	-250.9311741	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-352.8641676	135.2933174	-225.6072874	8.036437247	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-810.2046419	448.058893	-181.0728745	-181.0728745	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	60.81392363	-500.0311976	-106.5384615	-332.6788124	CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	332.8789468	-916.6711196	-291.8960864	-291.8960864	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-138.428975	13.94854311	-213.9608637	89.48043185	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-305.5992832	94.37121299	-105.6140351	-105.6140351	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-10.57057156	-190.239145	-53.62348178	-254.4331984	NO CUMPLE	CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	55.82302065	-343.3803756	-143.7786775	-143.7786775	CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-347.6842761	331.4089724	-158.7921727	142.5168691	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	-879.7548449	776.7319029	-51.51147099	-51.51147099	NO CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	198.6847296	-507.6995744	-1.538461538	-307.4763833	CUMPLE	NO CUMPLE	
0.6	2.47	1.482	0.75346115	0.04446	629.9785824	-1025.741066	-197.8812416	-197.8812416	CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION					ESFUERZOS DE FLEXION EJE FUERTE		ESFUERZOS DE FLEXION EJE DEBIL		VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL
0.6	2.47	1.482	0.75346115	0.04446	-14.81967141	-18.64861469	-6.390013495	-27.0782726	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-104.4753506	-100.1940151	-106.977058	-97.69230769	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-24.59085272	-37.1365427	-22.53036437	-39.19703104	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-124.3204555	-108.6080196	-116.1268556	-116.8016194	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-22.14509335	-32.5107771	-18.48852901	-36.16734143	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-119.3621433	-106.5083021	-113.8394062	-112.0310391	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-112.4878843	86.95482087	-49.87179487	24.33871344	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-181.620362	-15.11378103	-217.9959514	21.26180837	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	82.85528911	-124.2453026	37.09851552	-78.48852901	CUMPLE	CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-27.3252307	-185.2658624	4.041835358	-216.6329285	NO CUMPLE	CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-387.7280128	376.9722773	-37.20647773	26.45074224	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-365.9525917	183.9957766	-237.6180837	55.66126856	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	358.08867	-414.2695067	24.4197031	-80.60053981	CUMPLE	CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	157.0018904	-384.3838068	23.65721997	-251.0391363	CUMPLE	CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-96.1017227	47.43775509	-51.42375169	2.759784076	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-177.773334	-42.09171324	-197.8947368	-21.97031039	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	51.80478836	-112.4660569	14.43319838	-75.09446694	CUMPLE	CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-60.94584406	-170.9165041	-29.78407557	-202.0782726	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-304.4909221	267.0280341	-41.82186235	4.358974359	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-317.3333443	108.6693766	-212.7462888	4.082321188	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	260.1939878	-332.056336	4.831309042	-76.69365722	CUMPLE	CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	78.61416622	-321.6757594	-14.93252362	-228.1309042	CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-106.5596879	94.41393893	-47.31443995	35.16869096	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-139.8335765	24.9617816	-175.2024291	60.33063428	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	88.78184639	-116.7845454	39.65587045	-67.6585695	CUMPLE	CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	14.46319395	-145.1919389	46.82860999	-177.5573549	CUMPLE	CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-381.7998164	384.4313954	-34.64912281	37.28070175	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	-324.1590585	224.0780868	-194.8245614	94.74358974	NO CUMPLE	NO CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	364.0152273	-406.8087495	26.97705803	-69.7705803	CUMPLE	CUMPLE
0.6	2.47	1.482	0.75346115	0.04446	198.788676	-344.3082441	66.45074224	-211.9703104	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-109.8916936	-141.5101756	-125.6386293	-125.7623299	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-211.4791685	-184.315224	-197.8971963	-197.8971963	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-136.8401898	-181.228346	-158.8161994	-159.2523364	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-250.1560544	-212.3361575	-231.2461059	-231.2461059	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-130.1052494	-171.2966198	-150.529595	-150.8722741	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-240.4863598	-205.3391854	-222.9127726	-222.9127726	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-394.4260052	173.553731	-311.4953271	90.62305296	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-547.7734591	182.5086616	-182.6323988	-182.6323988	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	174.6270417	-456.5896585	60.18691589	-342.1495327	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	124.7995458	-51.154686	-213.1775701	-213.1775701	CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-1309.127435	1174.547995	-314.5327103	179.953271	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-1624.819053	1345.815937	-139.5015576	-139.5015576	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	1089.344048	-1457.568347	-63.23987539	-431.4641745	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	1201.853874	-1714.470696	-256.3084112	-256.3084112	CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-345.5368737	67.25026931	-291.2461059	12.95950156	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-495.0936035	72.41447579	-211.3395639	-211.3395639	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	85.31079861	-409.8590852	-9.828660436	-314.7196262	CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	14.13646024	-483.0772702	-234.470405	-234.470405	CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-1038.106967	825.1474656	-293.5514019	80.59190031	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-1310.580837	953.1976592	-178.6915888	-178.6915888	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	777.8964684	-1167.740705	-7.507788162	-382.3364486	CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	829.6081172	-1363.87603	-267.1339564	-267.1339564	CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-350.4693277	230.1578013	-261.2461059	140.9345794	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-463.1817917	256.2347512	-103.4735202	-103.4735202	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	218.5992954	-399.9700119	110.4672897	-291.8380062	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	209.3912132	-477.4285964	-134.0186916	-134.0186916	CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-1265.170757	1231.152066	-264.2679128	230.2492212	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-1540.211809	1419.557603	-60.3271028	-60.3271028	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	1133.300725	-1400.964276	113.4890966	-381.152648	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	1286.445541	-1640.744607	-177.1495327	-177.1495327	CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	41.75721315	-60.41764929	-9.76635514	-8.894080997	CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-136.4130783	-53.24424258	-93.73831776	-95.91900312	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	49.82647684	-91.75794101	-20.82554517	-21.105919	CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-163.8316301	-49.09671878	-105.9345794	-106.9937695	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	47.813055	-83.918974	-18.0529595	-18.0529595	CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-156.9709145	-50.13188925	-102.8816199	-104.2211838	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-287.2852069	273.2353626	-65.04672897	50.99688474	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-442.4491222	257.4023932	-286.3707165	101.3239875	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	370.8083675	-394.0793956	45.52959502	-68.80062305	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	169.6142312	-363.882144	98.894081	-293.1619938	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-1263.279035	1248.730748	-44.39252336	29.84423676	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-1343.729001	1158.18383	-314.4859813	128.94081	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	1346.802195	-1369.574781	24.85981308	-47.63239875	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	1070.89411	-1264.663581	127.0093458	-320.7788162	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-201.3202026	168.7033802	-59.92211838	27.30529595	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-388.6878039	185.0740967	-248.7227414	45.10903427	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	296.955047	-336.5500626	23.80062305	-63.39563863	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	74.73724052	-285.3291408	42.97507788	-253.5669782	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-940.2877981	907.2971439	-44.26791277	11.27725857	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-1071.082773	867.0952339	-270.0155763	66.02803738	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	1035.913908	-1075.135092	8.161993769	-47.38317757	CUMPLE	CUMPLE

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE		ESFUERZOS DE FLEXION EJE DEBIL		VERIFICACIONES		
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL
0.6	1.07	0.642	0.06125215	0.01926	757.1322095	-967.350278	64.25233645	-274.470405	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-303.9853553	297.4121466	-61.13707165	54.56386293	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-387.8904999	278.7004687	-248.8785047	139.6884735	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	354.1082191	-369.9026116	49.43925234	-65.23364486	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	224.1815879	-342.5928029	136.3862928	-254.7975078	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-1279.970449	1272.898798	-40.48286604	33.41121495	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	-1289.161644	1179.473171	-276.9937695	167.305296	NO CUMPLE	NO CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	1330.102047	-1345.397997	28.7694704	-44.06542056	CUMPLE	CUMPLE
0.6	1.07	0.642	0.06125215	0.01926	1125.461467	-1243.374239	164.5015576	-282.4143302	CUMPLE	CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	9.08217311	-144.9574729	-67.6498801	-68.22541966	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-203.685282	-76.36267964	-137.8417266	-142.206235	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	33.92086331	-183.3453237	-74.23261391	-75.19184652	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-236.2918586	-57.3052637	-144.4484412	-149.1486811	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	27.70819316	-173.7513586	-72.58992806	-73.45323741	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-228.1419181	-62.07390922	-142.8057554	-147.4100719	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-188.1924676	96.58575298	-92.30215827	0.695443645	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-467.8871004	232.1077239	-127.8177458	-107.9616307	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	206.3688042	-386.4887083	-42.9736211	-137.146283	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	60.51653641	-384.8330832	-147.8657074	-176.4508393	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-823.1270811	878.8345151	-25.98321343	81.69064748	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-1310.8596	1222.394372	-60.80335731	-27.6618705	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	841.2914273	-1168.749461	-109.3165468	-218.1414868	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	903.4890361	-1375.119732	-214.8800959	-256.7505995	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-121.6541587	9.136173076	-91.25899281	-21.25899281	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-428.1797008	171.4890534	-135.2038369	-121.4868106	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	177.0773597	-356.6217242	-53.9088729	-125.6354916	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-28.0973207	-295.6197057	-150.383693	-173.3333333	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-602.3910943	601.4078809	-41.04316547	40.05995204	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-1066.429188	921.2733123	-84.46043165	-60.69544365	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	657.819471	-948.8986077	-104.1366906	-186.942446	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	610.1573418	-1045.40914	-201.1270983	-234.1247002	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-191.8280627	154.5618757	-65.25179856	27.98561151	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-386.4153857	262.6503977	-72.6885132	-51.07913669	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	202.7280334	-328.5074099	-15.92326139	-109.8561151	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	142.0002415	-354.278419	-92.72182254	-119.5563549	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-826.7626762	936.8106378	1.067146283	108.9808153	NO CUMPLE	CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-1229.387885	1252.937046	-5.67146283	29.2206235	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	837.6678226	-1110.761348	-82.25419664	-190.8393285	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	984.9607508	-1344.577058	-159.7482014	-199.8681055	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	65.73676311	-64.29791419	9.364508393	-7.925659472	CUMPLE	CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-149.3988406	-19.8817349	-89.80815348	-79.47242206	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	120.0730639	-127.2433276	5.623501199	-12.79376499	CUMPLE	CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-207.8983144	30.00862619	-94.49640288	-83.39328537	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	106.4893984	-111.5013888	6.558752998	-11.57074341	CUMPLE	CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-193.2863206	17.5309249	-93.33333333	-82.42206235	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-67.92807481	87.66428584	-36.27098321	56.00719424	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-270.3951659	119.3879716	-126.8345324	-24.17266187	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	199.401601	-216.2601142	54.98800959	-71.84652278	CUMPLE	CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-28.41450581	-159.1634318	-52.78177458	-134.7961631	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-449.5764539	532.0704587	-1.726618705	84.2206235	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-604.7116264	516.4622259	-107.6258993	19.3764988	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	581.0499802	-660.6662871	20.45563549	-100.0719424	CUMPLE	CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	305.9019547	-556.2376861	-71.99040767	-178.3453237	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	5.288804927	3.560115936	-27.98561151	36.83453237	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-284.8859617	122.9941773	-121.3669065	-40.52757794	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	207.6899919	-226.5628936	41.11510791	-59.98800959	CUMPLE	CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-101.6695133	-87.92281283	-65.28776978	-124.3045564	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-283.6749306	340.0298466	-1.834532374	58.18944844	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-538.0130428	423.6245536	-106.822542	-7.565947242	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	496.6589031	-563.0378	14.96402878	-81.34292566	CUMPLE	CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	151.4455774	-388.5678795	-79.8441247	-157.2781775	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-94.22381519	113.3844867	-40.01199041	59.17266187	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-210.6297983	127.3444266	-90.91127098	7.625899281	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	173.1110364	-190.5450891	51.2470024	-68.68105516	CUMPLE	CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	31.35086176	-151.2069769	-16.85851319	-102.9976019	CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-475.8670186	557.7854838	-5.479616307	87.39808153	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	-544.9462588	524.4186809	-71.70263789	51.17505995	NO CUMPLE	NO CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	554.7542398	-634.9460863	16.70263789	-96.89448441	CUMPLE	CUMPLE
0.6	1.39	0.834	0.13428095	0.02502	365.6673223	-548.2812311	-36.06714628	-146.5467626	CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	-145.369095	-71.55009693	-117.037037	-99.88215488	NO CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	-148.0606571	-213.5386695	-174.9747475	-186.6245791	NO CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	-172.3408326	-70.67263545	-132.7525253	-110.2609428	NO CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	-149.2306907	-238.4460769	-186.1026936	-201.5740741	NO CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	-165.5930517	-70.88842975	-128.8215488	-107.6599327	NO CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	-148.9421998	-232.2194164	-183.3249158	-197.8367003	NO CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	-412.0546373	275.4721457	-148.1818182	11.5993266	NO CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	-543.2305377	261.9679114	-149.469697	-131.7929293	NO CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	121.3189981	-418.5748903	-85.89225589	-211.3636364	CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	247.1092235	-689.0452505	-200.4713805	-241.4646465	NO CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	-507.1694215	360.8899602	-137.3569024	-8.922558923	NO CUMPLE	NO CUMPLE
0.6	1.98	1.188	0.3881196	0.03564	-787.3632793	496.4036833	-162.0538721	-128.9057239	NO CUMPLE	NO CUMPLE

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL				VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL			
0.6	1.98	1.188	0.3881196	0.03564	216.4337823	-503.9927048	-96.71717172	-190.8417508	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	491.2394143	-923.4784716	-187.8956229	-244.3434343	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-367.5140292	191.8574635	-152.3989899	-23.25757576	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-448.1415162	127.8048158	-164.0151515	-156.3215488	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	36.32537496	-333.6317723	-105.2356902	-192.0707071	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	150.2596674	-592.2461994	-202.6262626	-239.3602694	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-439.5291297	256.5324967	-144.2003367	-38.7962963	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-632.9843893	305.3076217	-173.543771	-154.1329966	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	108.3404755	-398.3068054	-113.4343434	-176.5319865	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	335.0999898	-769.7464544	-193.1060606	-241.540404	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-353.9069993	304.0921845	-101.3636364	51.54882155	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-484.0029079	347.3867463	-79.47811448	-57.13804714	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	179.4640853	-389.9523008	-39.08249158	-171.4057239	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	306.3368534	-603.6264157	-130.479798	-166.8097643	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-449.0217835	389.509999	-90.53872054	31.02693603	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-728.1356494	581.8225181	-92.05387205	-54.25925926	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	274.5814203	-475.3726661	-49.90740741	-150.8838384	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	550.4695949	-838.0621875	-117.9040404	-169.6885522	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-57.046985	36.86179982	-15.63131313	-4.553872054	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-54.07560453	-137.439547	-95.31986532	-96.1952862	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-97.07198245	61.26390164	-27.12962963	-8.678451178	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-36.41516172	-170.7228854	-100.9427609	-106.1952862	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-87.06637078	55.16401388	-24.25925926	-7.643097643	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-40.82899704	-162.4033262	-99.53703704	-103.6952862	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-90.24410774	88.71212121	-44.46969697	42.93771044	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-118.6088154	-54.25313743	-140.1346801	-32.72727273	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-23.84986226	-14.98852158	13.20707071	-52.04545455	NO CUMPLE	CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	10.45760637	-220.6259565	-50.50505051	-159.6632997	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-304.8801143	327.3716968	-51.27946128	73.77104377	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-288.8863381	140.0647893	-122.2979798	-26.52356902	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	190.777268	-253.6565146	20.00841751	-82.88720539	CUMPLE	CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	180.7351291	-414.9438833	-68.34175084	-165.8670034	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-112.1997755	94.42199776	-46.08585859	28.30808081	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-89.68957249	-99.41817162	-133.4680135	-55.63973064	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-61.93296602	15.90603	-2.424242424	-43.6026936	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	8.03157841	-225.3884808	-65.60606061	-151.7508418	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-274.7053872	275.1262626	-51.23737374	51.65824916	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-218.6144271	47.70533619	-119.96633	-50.94276094	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	100.5726456	-164.7982349	2.727272727	-66.95286195	CUMPLE	CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	136.956433	-372.5119886	-79.10774411	-156.4478114	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-67.42245689	73.97127844	-38.21548822	44.76430976	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-96.97505357	0.72926232	-102.003367	5.757575758	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-1.036628915	-29.73778186	19.45286195	-50.22727273	NO CUMPLE	CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	32.08550148	-165.654525	-12.38215488	-121.1868687	CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-282.0559127	312.6283032	-45.02525253	75.5976431	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	-267.2584443	195.0362208	-84.17508418	11.95286195	NO CUMPLE	NO CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	213.5993776	-268.3973574	26.26262626	-81.06060606	CUMPLE	CUMPLE			
0.6	1.98	1.188	0.3881196	0.03564	202.3688909	-359.9614835	-30.2020202	-127.3905724	CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-172.1466667	-81.38666667	-128.55	-124.9833333	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-151.0866667	-246.8466667	-198.9666667	-198.9666667	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-209.54	-91.36	-151.2833333	-149.6166667	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-160.6	-284.7	-222.65	-222.65	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-200.1933333	-88.87333333	-145.6	-143.4666667	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-158.2233333	-275.2433333	-216.7333333	-216.7333333	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-260.3166667	83.78333333	-262.6	86.06666667	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-270.6566667	-50.27666667	-160.4666667	-160.4666667	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-83.99333333	-246.5733333	5.483333333	-336.05	NO CUMPLE	CUMPLE			
0.6	1	0.6	0.05	0.018	-31.53333333	-443.4333333	-237.4833333	-237.4833333	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-1006.633333	899.7666667	-98.75	-8.116666667	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-1159.503333	908.2366667	-125.6333333	-125.6333333	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	662.3233333	-1062.556667	-158.3666667	-241.8666667	CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	857.3133333	-1401.946667	-272.3166667	-272.3166667	CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-266.9366667	36.20333333	-247.0833333	16.35	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-248.7366667	-126.3966667	-187.5666667	-187.5666667	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-133.4433333	-213.9233333	-44.1	-303.2666667	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-67.69333333	-424.0733333	-245.8833333	-245.8833333	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-832.01	654.01	-123.0333333	-54.96666667	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-921.73	599.33	-161.2	-161.2	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	431.64	-831.74	-168.15	-231.95	CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	605.3	-1149.8	-272.25	-272.25	CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-191.44	116.34	-211.1666667	136.0666667	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-210.2066667	48.47333333	-80.86666667	-80.86666667	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-15.12666667	-214.0066667	56.91666667	-286.05	NO CUMPLE	CUMPLE			
0.6	1	0.6	0.05	0.018	28.9	-344.7	-157.9	-157.9	CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-937.7566667	932.3233333	-47.31666667	41.88333333	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	-1099.053333	1006.986667	-46.03333333	-46.03333333	NO CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	731.19	-1029.99	-106.9333333	-191.8666667	CUMPLE	NO CUMPLE			
0.6	1	0.6	0.05	0.018	917.7633333	-1303.196667	-192.7166667	-192.7166667	CUMPLE	NO CUMPLE			
0.7	1	0.7	0.05833333	0.02858333	-66.14285714	39.71428571	-15.30816327	-11.12040816	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.05833333	0.02858333	-38.12285714	-134.8771429	-86.25510204	-86.74489796	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.05833333	0.02858333	-109.6257143	59.79714286	-28.39183673	-21.43673469	NO CUMPLE	NO CUMPLE			

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles - LOTE B
Realizó:
Contiene:
Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL				VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL			
0.7	1	0.7	0.058333333	0.028583333	-20.2	-176.2	-96.4	-100	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-98.75142857	54.78	-25.12040816	-18.85102041	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-24.67714286	-165.8657143	-93.86326531	-96.67959184	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-247.2171429	237.1028571	-30.47755102	20.36326531	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-234.84	78.15428571	-201.4163265	44.73061224	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	114.9257143	-157.6971429	-0.140816327	-42.63061224	CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	158.58	-347.9228571	28.89183673	-218.2346939	CUMPLE	CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-991.56	974.2457143	-23.86530612	6.551020408	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-885.54	721.6542857	-112.6040816	-51.28163265	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	859.26	-894.8314286	-6.765306122	-28.80612245	CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	809.28	-991.4228571	-59.93265306	-122.2102041	CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-235.86	204.2314286	-36.60612245	4.97755102	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-173.6228571	-4.577142857	-181.0469388	2.846938776	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	38.35714286	-94.67142857	-13.62244898	-42.69183673	CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	124.2685714	-327.1542857	-6.667346939	-196.2183673	CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-799.4114286	762.3542857	-31.58163265	-5.475510204	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-666.28	482.6514286	-113.7938776	-69.83469388	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	601.9171429	-652.8028571	-18.64693878	-32.23877551	CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	616.9342857	-814.3914286	-73.92040816	-123.5367347	CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-220.7685714	221.2257143	-24.35918367	24.81632653	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-219.5857143	132.1	-166.9142857	79.42857143	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	141.3971429	-173.5685714	5.991836735	-38.16326531	CUMPLE	CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	173.84	-293.9542857	63.40816327	-183.522449	CUMPLE	CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-965.1028571	958.36	-17.73469388	10.99183673	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	-870.2857143	775.6	-78.10204082	-16.58367347	NO CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	885.7171429	-910.7171429	-0.634693878	-24.36530612	CUMPLE	NO CUMPLE			
0.7	1	0.7	0.058333333	0.028583333	824.5257143	-937.4685714	-25.43061224	-87.5122449	CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-120.5423156	-124.9028898	-123.0993151	-122.3458904	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-187.3176644	-202.5339338	-194.9257991	-194.9257991	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-140.2120473	-148.6235691	-144.3207763	-144.5148402	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-207.8237787	-225.4068149	-216.6152968	-216.6152968	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-135.2963345	-142.6945331	-139.0182648	-138.9726027	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-202.6969569	-219.6888878	-211.1929224	-211.1929224	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-159.5966254	-63.56547507	-354.7888128	131.6267123	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-281.3425752	-86.21450241	-183.7785388	-183.7785388	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-81.49488647	-186.2448396	108.5787671	-376.3184932	NO CUMPLE	CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-93.29158066	-318.8545381	-206.0730594	-206.0730594	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-276.0517921	156.4285044	-107.6997717	-11.92351598	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-761.3274848	497.30922	-132.0091324	-132.0091324	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	34.96028023	-406.238819	-138.510274	-232.7682648	CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	386.6990367	-902.3725527	-257.836758	-257.836758	CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-164.8588697	-96.24843623	-314.4292237	53.32191781	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-273.8923813	-131.6213173	-202.7568493	-202.7568493	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-105.7269187	-189.136095	36.40410959	-331.2671233	NO CUMPLE	CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-131.5084131	-307.7609933	-219.6347032	-219.6347032	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-253.0339495	70.31705448	-127.3515982	-55.3652968	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-637.3102364	310.1869488	-163.5616438	-163.5616438	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-17.55183899	-355.7015857	-150.6792237	-222.5742009	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	231.9106149	-749.5704322	-258.8299087	-258.8299087	CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-111.3755708	-13.60159817	-305.5422374	180.5650685	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-206.4180271	-5.202977419	-105.8105023	-105.8105023	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-33.27953963	-136.2866704	157.8139269	-327.380137	NO CUMPLE	CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-18.36132483	-237.8373053	-128.0993151	-128.0993151	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-227.8307375	206.3923813	-58.45319635	37.01484018	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-686.4029368	578.320745	-54.04109589	-54.04109589	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	83.18133483	-356.2749421	-89.26940639	-183.8242009	CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	461.6235848	-821.3610277	-179.8687215	-179.8687215	CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-7.679364484	-21.11058985	-14.65182648	-14.13812785	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-103.2480296	-96.5464909	-100.1712329	-99.62328767	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-14.54001689	-38.16546256	-26.67237443	-26.03310502	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-117.6935166	-106.0051135	-111.609589	-112.0890411	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-12.82401326	-33.89973103	-23.66438356	-23.05936073	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-114.0855852	-103.6427253	-108.75	-108.9783105	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-59.03843748	40.5909489	-44.69178082	26.24429224	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-153.7956621	-35.64497717	-328.4531963	139.0125571	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	43.67400075	-82.81783637	15.37671233	-54.52054795	CUMPLE	CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-52.69468944	-157.4422969	128.1164384	-338.2534247	NO CUMPLE	CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-329.5422844	353.0810971	8.75	14.78881279	NO CUMPLE	CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-339.0830049	191.628667	-118.3618721	-29.09246575	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	314.1766748	-395.3068118	-38.06506849	-43.06506849	CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	132.5926534	-384.7159411	-81.98059361	-170.1426941	CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-51.70967036	12.81697629	-46.40410959	7.511415525	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-152.355664	-57.53018077	-281.5924658	71.706621	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	26.06281666	-80.61761118	-0.924657534	-53.63013699	CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-75.80979859	-149.7495621	64.09246575	-289.6518265	NO CUMPLE	CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-256.5186558	249.4181992	-5.947488584	-1.152968037	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-292.6426941	114.5490868	-122.5228311	-55.57077626	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	230.8706293	-317.2176612	-41.3869863	-44.96004566	CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	64.47840433	-321.8300025	-94.97716895	-162.3744292	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-55.96625383	49.03703009	-38.82420091	31.89497717	NO CUMPLE	NO CUMPLE			
0.6	2.92	1.752	1.2448544	0.05256	-112.5007819	2.968818415	-288.390411	178.8584475	NO CUMPLE	NO CUMPLE			

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE		ESFUERZOS DE FLEXION EJE DEBIL		VERIFICACIONES		
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL
0.6	2.92	1.752	1.2448544	0.05256	46.7461844	-74.37175518	21.23858447	-48.86415525	CUMPLE	CUMPLE
0.6	2.92	1.752	1.2448544	0.05256	-11.39980922	-118.8285013	168.1792237	-298.4075342	NO CUMPLE	CUMPLE
0.6	2.92	1.752	1.2448544	0.05256	-326.4701007	361.5271783	14.61187215	20.44520548	NO CUMPLE	CUMPLE
0.6	2.92	1.752	1.2448544	0.05256	-297.7881247	230.2424626	-78.29908676	10.75342466	NO CUMPLE	NO CUMPLE
0.6	2.92	1.752	1.2448544	0.05256	317.2500313	-386.8619034	-32.19748858	-37.41438356	CUMPLE	NO CUMPLE
0.6	2.92	1.752	1.2448544	0.05256	173.8875336	-346.1021455	-41.91210046	-130.3025114	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-62.34418044	-174.0068297	-98.26388889	-98.08712121	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-186.1429637	-154.614612	-169.7537879	-171.0037879	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-63.00246786	-155.5328857	-108.9646465	-109.5707071	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-201.7125803	-161.2167126	-180.8712121	-182.0580808	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-62.83947429	-150.15295	-106.2878788	-106.7045455	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-197.8205349	-159.5658287	-178.0934343	-179.2929293	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-115.7808196	-59.96412994	-152.4873737	-23.25757576	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-285.3621442	-34.77674472	-170.6502525	-149.4886364	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-8.912419651	-208.0572773	-44.0530303	-172.9166667	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-86.91890496	-274.4447314	-168.8573232	-192.5063131	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-406.8196166	264.5216368	-85.06313131	-57.23484848	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-858.3617424	571.657197	-149.6212121	-137.0833333	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	282.1326905	-532.5367309	-111.4709596	-138.9330808	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	486.0743802	-880.8849862	-189.8663636	-204.9242424	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-103.2974633	-94.08890037	-147.3421717	-50.04419192	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-272.9447888	-68.83551423	-178.7689394	-163.0113636	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-22.38148531	-206.2169995	-65.23989899	-163.3585859	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-122.6948462	-250.2975781	-177.4116162	-195.5808081	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-323.6538682	151.5957874	-96.28787879	-75.77020202	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-706.787477	390.3228306	-162.8535354	-153.6111111	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	197.9812328	-451.8953742	-116.2878788	-137.6262626	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	311.1400941	-709.4608012	-193.3396465	-204.9810606	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-90.84050735	-6.356462351	-113.1818182	15.98484848	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-210.9059343	27.06755051	-102.7462121	-81.09217172	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	16.02932736	-154.4510445	-4.741161616	-133.6805556	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-12.46269513	-212.6004362	-100.9532828	-124.1098485	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-381.8856175	318.1229913	-45.75757576	-18.00505051	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-783.9055326	633.5014922	-81.72348485	-68.68055556	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	307.0681244	-478.9368113	-72.16540044	-99.70328283	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	560.53059	-819.040691	-121.9823232	-136.5277778	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	16.01268365	-33.9040978	-8.390151515	-9.501262626	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-118.1336088	-70.76790634	-95.08207071	-93.81944444	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	26.57770891	-58.91356749	-15.29671717	-17.03914141	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-137.8064738	-65.5268595	-102.2159091	-101.1174242	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	23.93681129	-52.66155877	-13.57323232	-15.15151515	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-132.8873967	-66.83482553	-100.4292929	-99.29292929	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-30.93836088	23.40048209	-34.09722222	26.55934343	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-167.5476354	-10.98771809	-149.4949495	-29.04040404	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	62.95741506	-91.21499082	17.31060606	-45.56818182	CUMPLE	CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-68.71326905	-130.5417815	-40.66919192	-158.5858586	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-314.2401286	344.2022498	1.098484848	28.86363636	NO CUMPLE	CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-447.1610996	306.1131198	-78.3270202	-62.7209596	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	346.2669307	-412.0118802	-17.87878788	-47.86616162	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	210.893882	-447.6489325	-111.8371212	-124.9179293	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-11.61128329	-9.27755096	-33.03661616	12.15277778	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-170.3036042	-21.5770891	-141.6287879	-50.25252525	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	59.48347107	-96.04912764	5.890151515	-42.45580808	CUMPLE	CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-95.46975436	-112.093377	-59.22979798	-148.3333333	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-226.1105372	233.6213635	-6.382575758	13.89520202	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-382.0049931	218.5201446	-87.73989899	-75.74494949	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	273.9890381	-338.9385331	-20.75126263	-44.19823232	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	116.2316345	-352.1912305	-113.1186869	-122.8409091	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-37.34217172	36.96338384	-30.73863636	30.35984848	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-120.2958563	17.31605831	-111.4646465	8.484848485	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	56.55360422	-77.65208907	20.66919192	-41.76767677	CUMPLE	CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-21.4629247	-102.2365702	-2.638888889	-121.0606061	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-320.6439394	357.7651515	4.457070707	32.66414141	NO CUMPLE	CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	-399.9044421	334.4246442	-40.29040404	-25.18939394	NO CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	339.8631198	-398.4489784	-14.52651515	-44.05934343	CUMPLE	NO CUMPLE
0.6	2.64	1.584	0.9199872	0.04752	258.1519743	-419.338843	-73.80050505	-87.38636364	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-68.14760026	-150.2071006	-109.284188	-109.0705128	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-207.5591716	-130.8168968	-168.6431624	-169.732906	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-74.08366206	-196.3223208	-135.5769231	-134.8290598	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-250.0706772	-140.3566732	-194.4123932	-196.0149573	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-72.59861933	-184.7945431	-129.0064103	-128.3867521	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-239.4428008	-137.9717291	-187.9700855	-189.4444444	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-476.0141354	396.1423406	-54.33760684	-25.53418803	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-842.3241289	642.4309665	-109.9038462	-89.98931624	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	339.7337278	-696.5499671	-164.2307692	-192.5854701	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	427.2205786	-904.0581854	-227.3611111	-249.4764957	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-212.4564431	413.6530243	55.34188034	145.8547009	NO CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-418.8075279	500.0041091	4.049145299	77.1474359	NO CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	76.16535174	-714.0713346	-273.9209402	-363.9850427	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	3.699868508	-761.6272189	-341.3141026	-416.6132479	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-381.4225838	228.8584813	-87.41452991	-65.14957265	NO CUMPLE	NO CUMPLE

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.6	1.56	0.936	0.1898208	0.02808	-720.0550625	447.4909599	-143.4935897	-129.0705128	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	236.2146614	-598.4582512	-170.6089744	-191.6346154	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	241.1653517	-723.430309	-232.4358974	-249.8290598	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-181.8597962	242.137574	-4.348290598	64.62606838	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-399.394313	339.6507232	-57.22222222	-2.521367521	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	36.66255753	-611.7266601	-253.6538462	-321.4102564	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-79.49539776	-615.5900723	-318.7179487	-376.3675214	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-448.7615056	456.2187705	-10.63034188	18.08760684	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-759.3055556	694.7542735	-42.45726496	-22.09401709	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	366.9863577	-636.4735371	-120.5128205	-148.974359	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	510.2391519	-851.7348784	-159.9038462	-181.5918803	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-185.1931295	473.7401381	99.05982906	189.4871795	NO CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-335.7889546	552.3274162	71.50641026	145.0320513	NO CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	103.4179816	-653.9949047	-230.2136752	-320.3632479	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	86.71844181	-709.3039119	-273.8675214	-348.7179487	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	12.8229783	-39.19049967	-13.38675214	-12.98076923	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-109.0096976	-59.49457594	-84.30555556	-84.19871795	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	20.49556213	-63.38017751	-21.93376068	-20.9508547	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-134.3351414	-50.66485865	-92.43589744	-92.56410256	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	18.57577252	-57.33645628	-19.79700855	-18.96367521	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-128.0037804	-52.87228797	-90.40598291	-90.47008547	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-276.9140368	285.9311308	-20.57692308	29.59401709	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-356.6978961	223.578238	-89.65811966	-43.46153846	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	302.5558843	-364.308021	-6.196581197	-55.55555556	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	138.678501	-342.5673899	-78.95299145	-124.9358974	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-275.8366206	346.1143984	-31.64529915	101.9230769	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-410.1134122	338.2758054	-73.10897436	1.271367521	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	301.4718935	-424.5068015	4.861111111	-127.8952991	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	192.1047009	-457.2542735	-95.50213675	-169.6474359	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-200.7930638	188.8272518	-25.2457265	13.27991453	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-315.539119	161.4579224	-94.45512821	-59.62606838	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	237.9552926	-303.4894806	-14.3482906	-51.18589744	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	59.52744905	-267.1983892	-86.35683761	-121.3141026	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-199.9769888	234.4006657	-33.62179487	68.04487179	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-355.9870151	248.2947074	-81.92307692	-25.76923077	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	237.1392176	-349.0622945	-5.961538462	-105.9615385	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	99.97945431	-354.0392834	-98.87820513	-155.1816239	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-282.0471729	301.598455	-15.23504274	34.78632479	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-313.0982906	247.3717949	-55.94017094	-9.786324786	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	297.433432	-348.6300131	-0.833333333	-50.36324786	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	182.2887903	-318.7631492	-45.22435897	-91.25	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-280.9631821	361.7965155	-26.29273504	107.1260684	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-366.5138067	362.0693623	-39.39102564	34.9465812	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	296.345332	-408.8239645	10.22435897	-122.7029915	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	235.7043064	-433.4607166	-61.78418803	-135.9722222	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-117.8616042	-137.2238659	-127.724359	-127.3611111	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-199.2044707	-175.8809993	-187.542735	-187.542735	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-152.2863248	-176.2179487	-164.5726496	-163.9316239	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-238.0407627	-210.4848784	-224.2628205	-224.2628205	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-143.6801446	-166.469428	-155.3632479	-154.7863248	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-228.3333333	-201.8376068	-215.0854701	-215.0854701	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-501.9888231	265.877712	-254.3376068	18.22649573	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-832.2534517	476.120973	-178.0662393	-178.0662393	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	266.2804076	-540.3188692	-1.111111111	-272.9273504	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	433.8338264	-827.8936555	-197.0299145	-197.0299145	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-293.6028928	96.765286	-252.5106838	55.67307692	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-507.3364563	190.4774819	-158.4294872	-158.4294872	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	57.89447732	-371.2064431	-2.927350427	-310.3846154	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	108.916831	-542.2501644	-216.6666667	-216.6666667	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-434.5241617	138.7335634	-251.2179487	-44.57264957	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-707.6282051	291.8376068	-207.8952991	-207.8952991	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	147.1638725	-471.6724195	-59.49786325	-265.0106838	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	250.9722222	-695.5021368	-222.2649573	-222.2649573	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-276.7406312	10.69362262	-249.8397436	-16.20726496	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-461.6239316	75.55555556	-193.034188	-193.034188	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-10.61554898	-343.6365878	-60.87606838	-293.3760684	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	4.967948718	-479.2200855	-237.1260684	-237.1260684	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-454.8487837	320.7675871	-203.2478632	69.16666667	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-752.5682117	546.4784681	-103.0448718	-103.0448718	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	313.4204471	-485.4289941	49.97863248	-221.9871795	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	513.5124918	-757.5509533	-122.0192308	-122.0192308	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-246.4628534	151.6551611	-201.4209402	106.6132479	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-427.6512163	260.834977	-83.40811966	-83.40811966	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	105.0345168	-316.316568	48.1517094	-259.4337607	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	188.602071	-471.8926693	-141.6452991	-141.6452991	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-5.285174227	-27.12935569	-16.15384615	-16.26068376	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-93.92833662	-80.62294543	-87.51068376	-87.04059829	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-10.23915187	-42.06854043	-26.10042735	-26.20726496	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-107.0159435	-87.40713346	-97.59615385	-96.82692308	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-8.999013807	-38.33004602	-23.61111111	-23.71794872	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-103.7483563	-85.71745562	-95.07478632	-94.39102564	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION			ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.6	1.56	0.936	0.1898208	0.02808	-432.9273504	413.4401709	-49.24145299	29.7542735	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-425.3057199	263.6817883	-201.6025641	39.97863248	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	422.3528928	-467.6947732	16.92307692	-62.26495726	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	237.4597304	-424.9169954	26.59188034	-214.0491453	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-250.6895135	253.0826759	-23.25854701	25.6517094	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-284.1099606	144.3663708	-204.9893162	65.2457265	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	240.119165	-307.3413872	-9.05982906	-58.16239316	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	96.26397107	-305.6015779	29.97863248	-239.3162393	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-332.7835306	295.2407955	-48.66452991	11.12179487	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-354.6490796	174.9695924	-181.4636752	1.784188034	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	314.785503	-371.9008876	1.442307692	-58.55769231	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	147.1630506	-346.3938199	-8.685897436	-190.5448718	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-194.8068705	173.8239645	-28.9957265	8.012820513	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-247.7350427	84.63675214	-184.017094	20.91880342	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	176.812952	-250.4881657	-18.22649573	-55.44871795	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	40.24901381	-256.0609796	-6.132478632	-209.6794872	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-430.8103222	424.2932281	-42.77777778	36.26068376	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-387.7325773	295.9377055	-166.5918803	74.79700855	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	424.4699211	-456.841716	23.3974359	-55.76923077	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	275.0262985	-392.6758711	61.59188034	-179.241453	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-248.583169	263.9250493	-16.80555556	32.1474359	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-246.5475016	176.6116042	-169.9893162	100.0534188	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	242.2320842	-296.4842209	-2.585470085	-51.66666667	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	133.8305391	-273.3604536	64.97863248	-204.508547	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-128.4574293	-130.816075	-129.7542735	-129.5192308	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-192.256739	-187.0381328	-189.6474359	-189.6474359	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-166.3190335	-168.9160092	-167.8632479	-167.3717949	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-230.0378041	-225.1972387	-227.6175214	-227.6175214	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-156.8499343	-159.389382	-158.3333333	-157.9059829	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-220.5958251	-215.6648586	-218.1303419	-218.1303419	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-532.9462525	275.9377055	-141.5918803	-115.4166667	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-845.2539448	468.2240302	-188.5149573	-188.5149573	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	276.035503	-537.5739645	-117.9273504	-143.6111111	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	460.7404668	-842.3002959	-190.7799145	-190.7799145	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-331.5376397	84.84960552	-313.792735	67.10470085	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-526.784188	160.0747863	-183.3547009	-183.3547009	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	74.63346483	-346.4710717	54.28418803	-326.1217949	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	142.2813938	-534.1403682	-195.9294872	-195.9294872	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-463.1122617	148.5823471	-167.2863248	-147.2435897	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-715.0008218	280.4709073	-217.2649573	-217.2649573	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	149.408284	-467.357002	-149.3696581	-168.5790598	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	273.8198554	-711.7899408	-218.9850427	-218.9850427	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-310.6114398	3.902038133	-297.6709402	-9.038461538	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-473.8806706	47.14990138	-213.3653846	-213.3653846	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-3.088428665	-322.6808021	-18.9957265	-306.7735043	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	32.695595	-478.4648258	-222.8846154	-222.8846154	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-481.5598291	328.2692308	-89.67948718	-63.61111111	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-768.3448389	543.0456936	-112.6495726	-112.6495726	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	327.4219264	-485.242392	-66.02564103	-91.79487179	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	537.6495726	-767.4786325	-114.9145299	-114.9145299	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-280.1619001	137.1704471	-261.8910256	118.8995726	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-449.8857659	234.8857659	-107.5	-107.5	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	126.0092045	-294.1502301	106.1858974	-274.3269231	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	219.1798159	-459.3293886	-120.0747863	-120.0747863	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-134.1995398	-118.9628534	-126.7200855	-126.4423077	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-179.9309665	-193.2527942	-186.5918803	-186.5918803	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-173.1969099	-153.5552268	-163.7286325	-163.0235043	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-214.1165352	-232.6569691	-223.3867521	-223.3867521	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-163.4475674	-144.9071335	-154.4764957	-153.8782051	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-205.5711703	-222.8048981	-214.1880342	-214.1880342	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-530.2547666	296.0026298	-254.4123932	20.16025641	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-828.1886917	473.9151874	-177.1367521	-177.1367521	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	261.855687	-533.9283366	0.961538462	-273.034188	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	468.3267587	-860.4207758	-196.0470085	-196.0470085	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-315.85881	110.6451348	-253.1517094	47.93803419	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-493.7483563	168.5133136	-162.6175214	-162.6175214	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	47.46383958	-348.5749507	-0.288461538	-300.8226496	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	133.8905325	-555.0230112	-210.5662393	-210.5662393	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-463.316075	169.2776134	-251.1538462	-42.88461538	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-696.3954635	282.3356345	-207.0299145	-207.0299145	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	136.4250493	-459.0959895	-57.7991453	-264.8717949	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	285.2531229	-727.9454306	-221.3461538	-221.3461538	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-300.9911243	28.93984221	-250.2029915	-21.8482906	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-443.1763642	51.10371466	-196.0363248	-196.0363248	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-25.89990138	-318.7582183	-58.75	-285.9081197	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	32.03813281	-496.71762	-232.3397436	-232.3397436	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-476.5754438	343.5839908	-203.7179487	70.72649573	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-576.2146614	551.2146614	-102.5	-102.5	NO CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	315.5350099	-486.3469757	51.65598291	-222.4679487	CUMPLE	CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	540.300789	-783.1213018	-121.4102564	-121.4102564	CUMPLE	NO CUMPLE	
0.6	1.56	0.936	0.1898208	0.02808	-262.1835963	158.2306049	-202.4679487	98.51495726	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION			ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL		VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL
0.6	1.56	0.936	0.1898208	0.02808	-421.7784352	245.8168968	-87.98076923	-87.98076923	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	101.1390533	-300.9894806	50.39529915	-250.2457265	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	205.8604536	-477.719428	-135.9294872	-135.9294872	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-143.0744576	-62.07511506	-103.215812	-101.9337607	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-128.1385602	-197.03238	-162.3076923	-162.8632479	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-186.784188	-72.1474359	-130.534188	-128.3974359	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-140.5588429	-108.3727811	-189.1666667	-189.7649573	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-175.8604536	-69.63099934	-123.707265	-121.784188	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-137.4506903	-228.0407627	-182.457265	-183.034188	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-601.6559829	531.1431624	-56.98717949	-13.52564103	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-814.785503	624.2513149	-107.4145299	-83.11965812	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	315.496384	-655.3040763	-149.4551282	-190.3525641	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	558.4976989	-1018.326759	-217.2222222	-242.6068376	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-288.6686391	413.9036818	17.95940171	107.275641	NO CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-369.2085799	374.4222551	-29.87179487	35.08547009	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	2.519723866	-538.0539119	-224.3910256	-311.1431624	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	112.9314596	-768.4870151	-294.7542735	-360.8012821	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-523.0571992	379.5315582	-88.6965812	-54.82905983	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-657.3405654	393.7935569	-140.8867521	-122.6602564	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	171.3469757	-518.7828731	-158.7179487	-188.7179487	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	382.4350756	-849.870973	-224.017094	-243.4188034	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-286.0954964	290.753616	-31.96581197	36.62393162	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-319.9884944	204.6252465	-82.19017094	-33.17307692	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-65.61472715	-430.004931	-215.4487179	-280.1709402	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	45.07232084	-660.7133465	-282.7350427	-332.9059829	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-544.4173241	555.9771532	-15.69444444	27.2542735	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-763.5207101	703.0719921	-42.48931624	-17.95940171	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	372.7309336	-630.4659763	-108.1623932	-149.5726496	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	609.7624918	-939.5060815	-152.2863248	-177.457265	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-231.440664	438.7269888	59.24145299	148.0448718	NO CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-317.9544707	453.2324485	35.0534188	100.224359	NO CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	59.74769888	-513.2306049	-183.1089744	-270.3739316	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	164.1855687	-689.6770217	-229.8290598	-295.6623932	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-36.88034188	12.58547009	-11.85897436	-12.43589744	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-59.09516765	-107.3364563	-82.98076923	-83.4508547	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-56.84993425	14.54224195	-20.58760684	-21.72008547	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-55.80292571	-128.6415187	-92.31837607	-92.12606838	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-51.85486522	14.05571992	-18.40811966	-19.39102564	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-56.62228797	-123.3136095	-89.98931624	-89.9465812	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-284.8315253	311.9469099	-10.71581197	37.83119658	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-271.006739	156.006739	-80.10683761	-34.89316239	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	211.0708416	-286.7759698	-13.00213675	-62.70299145	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	152.8270874	-370.6689678	-85.84401709	-131.9978632	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-271.2080868	350.8662064	-24.69017094	104.3482906	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-279.8668639	217.3882314	-69.08119658	6.602564103	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	197.447403	-325.6952663	0.972222222	-129.2200855	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	161.6765286	-432.061144	-96.89102564	-173.4935897	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-239.5948389	240.70595	-17.54273504	18.65384615	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-217.0751151	76.07084155	-87.80982906	-53.19444444	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	135.8785339	-212.6093031	-19.27350427	-57.45726496	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	103.8305391	-322.6980605	-92.15811966	-126.7094017	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-229.2800789	270.1775148	-28.11965812	69.01709402	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-223.7762985	122.5583498	-79.45512821	-21.76282051	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	125.5596647	-242.0765787	-8.696581197	-107.8205128	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	110.5276134	-369.1814596	-100.5128205	-158.1410256	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-270.0756082	306.913215	-5.972222222	42.80982906	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-247.3750822	198.9349112	-46.92307692	-1.517094017	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	225.816075	-291.8203485	-8.258547009	-57.7457265	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	176.469428	-327.7301118	-52.64957265	-98.61111111	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-256.4521696	345.8325115	-19.9465812	109.3269231	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-256.2245233	260.3270874	-35.88675214	39.98931624	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	212.2033202	-330.7289612	5.715811966	-124.241453	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	185.3188692	-389.122288	-63.68589744	-140.1175214	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-24.484714	-6.946909928	-15.64102564	-15.79059829	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-82.16305062	-91.38395792	-86.91239316	-86.63461538	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-40.86456279	-10.58842867	-25.60897436	-25.84401709	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-87.46466141	-106.1037147	-97.13675214	-96.43162393	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-36.7743261	-9.678665352	-23.11965812	-23.33333333	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-86.13987508	-102.428501	-94.58333333	-93.98504274	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-453.2264957	434.3803419	-49.02777778	30.18162393	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-411.2154832	250.2325773	-202.8311966	41.8482906	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	404.2636423	-448.2593688	17.75641026	-61.75213675	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	246.8786982	-433.0111769	29.00641026	-215.1388889	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-265.7996384	261.3124589	-25.20299145	20.71581197	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-269.9013807	123.277449	-205.8760684	59.25213675	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	216.836785	-275.1914859	-6.057692308	-52.29700855	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	105.5645957	-306.0560487	32.05128205	-232.542735	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-361.3897107	324.4666338	-48.3974359	11.47435897	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-335.2703813	156.2319198	-182.3397436	3.301282051	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	287.8558514	-343.8173899	2.168803419	-58.13034188	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	162.9906312	-361.0889218	-6.826923077	-191.2713675	CUMPLE	NO CUMPLE

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL		VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL
0.6	1.56	0.936	0.1898208	0.02808	-219.4789612	193.4319527	-30.3525641	4.30555556	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-228.2856673	60.10190664	-184.6581197	16.47435897	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	145.9409928	-212.7785996	-15.86538462	-50.97222222	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	55.99112426	-264.9654832	-4.519230769	-204.4551282	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-443.43524	437.1531887	-42.77777778	36.4957265	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-378.3489481	286.789119	-168.0662393	76.50641026	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	414.0548981	-246.486522	24.00641026	-55.43803419	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	279.7452334	-396.4546351	63.77136752	-180.4807692	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-256.0083826	264.0853057	-18.95299145	27.02991453	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-237.0348455	159.8339908	-171.1111111	93.91025641	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	226.6239316	-272.4145299	0.192307692	-45.98290598	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	138.4311308	-269.4995069	66.81623932	-197.8846154	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-15.13231427	-20.14546351	-17.64957265	-17.62820513	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-90.97961867	-86.43491124	-88.82478632	-88.58974359	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-26.86965812	-30.07478632	-28.49358974	-28.4508547	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-100.8966141	-98.18458251	-99.77564103	-99.30555556	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-23.94066404	-27.5977975	-25.79059829	-25.74786325	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-98.41305062	-95.24079553	-97.04059829	-96.61324786	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-422.5024655	387.8443458	-23.10897436	-11.5491453	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-407.5024655	230.7289612	-101.6346154	-75.13888889	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	392.2312623	-428.1500657	-12.19017094	-23.72863248	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	225.5432281	-403.5987837	-76.01495726	-102.0405983	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-238.0539119	206.6863905	-61.22863248	29.86111111	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-268.482906	94.97863248	-239.465812	65.96153846	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-207.7827087	-246.9921105	-25.92948718	-65.13888889	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	86.5195595	-267.8443458	61.80555556	-243.1303419	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-332.3693294	281.3223208	-29.91452991	-21.13247863	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-338.0736358	144.8898751	-106.741453	-86.44230769	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	284.4986851	-336.5072321	-21.64529915	-30.36324786	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	141.2368508	-335.3821499	-87.33974359	-106.8055556	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-192.7177844	144.1494083	-58.78205128	10.21367521	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-232.800789	42.11702827	-211.0897436	20.40598291	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	144.8405654	-199.3491124	7.200854701	-61.70940171	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	35.97879684	-232.6027285	17.00854701	-213.6324786	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-416.4472387	395.9130506	-16.04700855	-4.487179487	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-371.1135766	265.3016108	-66.11111111	-39.7008547	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	398.2799145	-420.0961538	-5.138888889	-16.67735043	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	261.932117	-369.0261341	-40.48076923	-66.61324786	CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-231.9945759	214.7509862	-54.15598291	36.91239316	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	-232.0833333	129.5619658	-203.9209402	101.3995726	NO CUMPLE	NO CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	213.8379356	-238.9234057	32.99145299	-58.07692308	CUMPLE	CUMPLE
0.6	1.56	0.936	0.1898208	0.02808	122.9125575	-233.2758054	97.33974359	-207.7029915	CUMPLE	CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-93.0802561	-155.7799263	-123.2316544	-125.628528	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-228.5264826	-164.7257971	-196.9843682	-196.2679114	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-110.499903	-185.6551122	-146.0323491	-150.1226661	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-259.0904094	-181.4567031	-221.1528441	-219.3942683	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-106.1449913	-178.1863157	-140.335432	-143.9958749	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-251.4494277	-177.2739766	-215.1107251	-213.6126791	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-321.0669016	-211.4316433	-87.16239687	-22.47286149	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-822.8165621	568.7892065	-143.088363	-110.9389926	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	134.9063894	-522.9914958	-159.2943986	-228.7907078	CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	365.7559982	-898.2483994	-250.8879722	-281.604429	CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-156.8240316	98.02463946	-55.59596179	-3.203430308	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-325.7517946	122.5603052	-160.3842814	-42.80720799	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-29.33405549	-409.5869172	-190.8608337	-248.0601389	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-131.3011705	-452.0118994	-233.5909683	-349.7221016	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-278.7571946	99.85141952	-113.0178029	-65.88797221	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-701.4135355	378.1004656	-174.305254	-149.0078159	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	66.47481084	-456.2164522	-167.6389492	-222.1026921	CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	198.5070814	-732.6560176	-255.923795	-278.2251411	CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-154.4089116	13.98337968	-89.12722536	-51.29830656	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-325.0685507	40.23572399	-187.4033869	-97.42943986	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-57.88349609	-370.353586	-191.5436387	-236.6934433	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-177.8379034	-394.7912759	-242.8321754	-329.7970039	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-283.8352842	273.7440988	-37.87234043	27.78115502	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-731.4080385	634.6755157	-64.29765523	-32.43486756	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	172.1380069	-460.6790403	-110.0043422	-178.5366913	CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	457.1721205	-832.3544914	-172.0896657	-203.0927052	CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-119.5924141	160.337095	-6.305905341	47.05058619	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-234.343271	188.4466145	-81.5935736	35.69691706	NO CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	7.897561922	-347.2744616	-141.5707772	-197.8061224	CUMPLE	NO CUMPLE
0.7	1.88	1.316	0.387605867	0.053736667	-39.89507211	-386.123165	-154.8002605	-271.2179766	NO CUMPLE	NO CUMPLE
0.7	3.54	2.478	2.5877754	0.101185	-128.4790906	-133.8292226	-127.8092932	-134.4990199	NO CUMPLE	NO CUMPLE
0.7	3.54	2.478	2.5877754	0.101185	-210.2101202	-196.6986772	-203.4543987	-203.4543987	NO CUMPLE	NO CUMPLE
0.7	3.54	2.478	2.5877754	0.101185	-154.583111	-166.9988099	-152.9805142	-168.6014067	NO CUMPLE	NO CUMPLE
0.7	3.54	2.478	2.5877754	0.101185	-242.0972353	-224.0851698	-233.0912026	-233.0912026	NO CUMPLE	NO CUMPLE
0.7	3.54	2.478	2.5877754	0.101185	-148.0569349	-158.706584	-146.6885737	-160.0749452	NO CUMPLE	NO CUMPLE
0.7	3.54	2.478	2.5877754	0.101185	-234.1251146	-217.2388887	-225.6820016	-225.6820016	NO CUMPLE	NO CUMPLE
0.7	3.54	2.478	2.5877754	0.101185	-150.4062872	-73.80678787	-133.7011415	-90.51193359	NO CUMPLE	NO CUMPLE
0.7	3.54	2.478	2.5877754	0.101185	-815.48091	446.6673507	-184.4067797	-184.4067797	NO CUMPLE	NO CUMPLE
0.7	3.54	2.478	2.5877754	0.101185	-106.5552455	-193.8563768	-121.9180214	-178.4936008	NO CUMPLE	NO CUMPLE

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
Realizó:
Contiene:
Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.7	3.54	2.478	2.5877754	0.101185	395.057318	-840.0694245	-222.5060533	-222.5060533	CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-123.0475643	-91.31886021	-140.3758792	-73.99054537	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-332.8576216	-26.10121613	-179.4794189	-179.4794189	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-133.9146523	-176.3436205	-115.2432838	-195.014989	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-87.56193486	-367.2968222	-227.4293785	-227.4293785	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-164.6582126	-113.2594629	-151.1483916	-126.769284	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-692.4009247	-269.8827649	-211.2590799	-211.2590799	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-131.4556572	-204.1537051	-142.2252969	-193.3840655	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	224.1500116	-704.3598583	-240.1049233	-240.1049233	CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-143.9419433	-126.5181051	-156.2020062	-114.2580422	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-326.9882765	-88.07225619	-207.5302663	-207.5302663	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-152.1719265	-190.895063	-137.1751412	-205.8918483	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-141.2626366	-346.4048371	-243.8337369	-243.8337369	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-99.01506135	-20.27468844	-82.57811599	-36.71163381	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-731.3990233	525.3457545	-103.0266344	-103.0266344	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-55.15998413	-140.3202419	-70.79096045	-124.6892655	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	479.1439242	-761.3876691	-141.1218725	-141.1218725	CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-71.65161899	-37.78340926	-89.24881817	-20.18621008	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-248.775051	52.57650374	-98.09927361	-98.09927361	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-82.52274251	-122.812205	-64.12025827	-141.2146893	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-3.480048153	-288.6184184	-146.0492333	-146.0492333	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-174.2157434	-144.750243	-160.5558795	-158.4101069	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-218.7346939	-244.6394558	-231.6870748	-231.6870748	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-222.5170068	-187.6870748	-206.0932945	-204.1107872	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-261.6248785	-292.9873664	-277.3061224	-277.3061224	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-210.447036	-176.9543246	-194.7152575	-192.686103	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-250.9076774	-280.9018465	-265.9047619	-265.9047619	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-462.4878523	188.909621	-255.552964	-18.02526725	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-767.1584062	349.1720117	-208.9931973	-208.9931973	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	114.0485909	-478.4023324	-65.55879495	-298.7949466	CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	329.6812439	-838.4431487	-254.3809524	-254.3809524	CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-242.1321672	-65.54130224	-489.4402332	181.7667638	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-342.2954325	-109.7589893	-226.0272109	-226.0272109	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-106.3206997	-223.9650146	168.3148688	-498.6005831	NO CUMPLE	CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-95.1739553	-379.5199223	-237.3469388	-237.3469388	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-428.707483	75.67346939	-266.6394558	-86.39455782	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-666.1360544	168.6938776	-248.7210884	-248.7210884	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	7.813411079	-429.5821186	-122.7910593	-298.9776482	CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	164.3420797	-730.4917396	-283.0748299	-283.0748299	CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-261.8581147	-116.9718173	-443.7123421	64.88241011	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-344.4567541	-178.7813411	-261.6190476	-261.6190476	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-159.0437318	-236.9290573	54.28182702	-450.2546161	NO CUMPLE	CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-157.3372206	-383.0165209	-270.1768707	-270.1768707	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-392.7988338	246.8124393	-191.3255588	45.33916424	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-679.6559767	447.0301263	-116.3129252	-116.3129252	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	183.7376093	-420.4995141	-1.331389699	-235.4305151	CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	417.1836735	-740.585034	-161.7006803	-161.7006803	CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-172.4353741	-7.646258503	-425.212828	245.1311953	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-254.8143829	-11.90670554	-133.3605442	-133.3605442	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-36.63168124	-166.0621963	232.5422741	-435.2361516	NO CUMPLE	CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-7.671525753	-281.6618076	-144.6666667	-144.6666667	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-144.8754427	-119.3453365	-132.4721707	-131.7486085	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-193.7922078	-214.8311688	-204.3116883	-204.3116883	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-179.0088548	-142.1729634	-160.8302412	-160.351577	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-217.0306966	-248.553719	-232.7922078	-232.7922078	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-170.4787485	-136.4693034	-153.7467532	-153.2012987	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-211.2178276	-240.1198347	-225.6688312	-225.6688312	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-274.9893743	89.66469894	-181.1261596	-4.19851577	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-781.7804014	452.0661157	-164.8571429	-164.8571429	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-14.75974026	-328.3571429	-83.82374768	-259.2931354	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	394.2024793	-881.7219599	-243.7597403	-243.7597403	CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-172.2231405	-50.25737898	-411.2569573	188.7764378	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-314.0336482	-52.84946871	-183.4415584	-183.4415584	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-117.525974	-188.4350649	146.3070501	-452.2680891	NO CUMPLE	CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-73.55076741	-376.8128689	-225.1818182	-225.1818182	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-268.9923259	21.78453365	-190.5779221	-56.62987013	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-656.4120425	264.8146399	-195.7987013	-195.7987013	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-71.96517119	-294.7231405	-116.9155844	-249.7727273	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	233.9763872	-745.0543093	-255.538961	-255.538961	CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-191.1818182	-84.15584416	-364.82282	89.4851577	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-302.2609209	-117.4793388	-209.8701299	-209.8701299	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-149.7691854	-188.7766292	57.33580705	-395.8812616	NO CUMPLE	CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-120.1812279	-362.7668241	-241.474026	-241.474026	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-217.0395514	137.4031877	-128.1372913	48.50092764	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-704.2674144	537.9946871	-83.13636364	-83.13636364	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	43.19008264	-280.6186541	-30.83487941	-206.593692	CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	471.7154664	-795.7933884	-162.038961	-162.038961	CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-114.2733176	-2.518890201	-358.2680891	241.4758813	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-236.5141677	33.08559622	-101.7142857	-101.7142857	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-59.57615112	-140.6965762	199.2959184	-399.5686456	NO CUMPLE	CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	3.968713105	-290.877804	-143.4545455	-143.4545455	CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
Realizó:
Contiene:
Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE				ESFUERZOS DE FLEXION EJE DEBIL				VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL			
0.7	1.5	1.05	0.196875	0.042875	-154.1219048	-89.91619048	-120.5578231	-123.4802721	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-163.3733333	-225.0647619	-191.4598639	-196.9782313	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-181.9733333	-100.96	-138.6503401	-144.2829932	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-173.9828571	-253.3504762	-210.1238095	-217.2095238	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-175.0133333	-98.20571429	-134.1360544	-139.0829932	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-171.3352381	-246.2838095	-205.462585	-212.1564626	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-592.5009524	464.8419048	-84.43401361	-43.58503401	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-906.647619	634.2285714	-151.2462585	-121.1727891	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	284.2666667	-644.3047619	-156.6721088	-203.3659864	CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	579.9104762	-1084.348571	-231.6721088	-272.7659864	CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-202.5104762	379.5009524	18.22585034	158.7646259	NO CUMPLE	CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-203.1409524	235.7314286	-36.82312925	69.41360544	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-105.7333333	-559.3333333	-259.3414966	-405.7251701	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-123.6095238	-685.8571429	-346.1047619	-463.3619048	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-506.9295238	321.5580952	-106.7836735	-78.5877551	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-734.0971429	404.3257143	-175.0081633	-154.7632653	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	156.9085714	-517.9561905	-161.4789116	-199.5687075	CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	391.44	-896.887619	-235.907483	-269.5401361	CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-211.6495238	257.2114286	-29.05578231	74.61678707	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-201.4419048	102.6038095	-88.37414966	-10.46394558	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-138.3714286	-453.6095238	-239.2068027	-352.7741497	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-141.2152381	-595.1657143	-322.5414966	-413.8394558	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-530.8590476	500.44	-36.22176871	5.802721088	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-841.3009524	724.2533333	-74.66258503	-42.38503401	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	345.9085714	-608.3466667	-108.4517007	-153.9863946	CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	645.2571429	-994.3238095	-155.0884354	-193.9782313	CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-140.8590476	415.4685714	66.45578231	208.1537415	NO CUMPLE	CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-137.7942857	325.7561905	39.76054422	148.2013605	NO CUMPLE	CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-44.08571429	-523.3619048	-211.1197279	-356.3278912	NO CUMPLE	NO CUMPLE			
0.7	1.5	1.05	0.196875	0.042875	-58.24952381	-595.8266667	-269.5115646	-384.5646259	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-3.376339218	-31.64139128	-17.10992908	-17.90780142	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-125.8108873	-108.7103893	-117.641844	-116.8794326	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	0.499283235	-64.93190735	-30.48758865	-33.94503546	CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-151.3401615	-112.5782783	-133.7056738	-130.212766	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-0.467406066	-56.60706202	-27.14539007	-29.92907801	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-144.9622755	-111.6157386	-129.6985816	-126.8794326	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-322.0844651	313.2369473	-38.13829787	29.29078014	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-428.8925985	220.5415346	-146.1347518	-62.21631206	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	315.3317866	-376.5197299	3.909574468	-65.09751773	CUMPLE	CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	177.2708239	-437.9623133	-89.14893617	-171.5425532	CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-115.9425456	104.275879	-44.66312057	32.9964539	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-283.9067451	72.73653237	-134.4414894	-76.7287234	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	109.1870379	-167.5558322	10.43439716	-68.80319149	CUMPLE	CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	32.28497057	-290.157311	-100.8421986	-157.0301418	CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-241.7698431	204.51807	-43.05851064	5.806737589	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-374.4352648	137.6799457	-151.2677305	-85.48758865	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	240.8438962	-317.7233288	-11.21453901	-65.66489362	CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	84.519579	-360.9025577	-108.1117021	-168.2712766	CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-85.69563905	46.29847593	-48.00531915	8.608156028	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-264.6659499	25.76524068	-142.4202128	-96.48049645	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	84.76365625	-159.5154293	-6.285460993	-68.46631206	CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-25.25860118	-248.996718	-116.9769504	-157.2783688	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-320.7339294	325.8935038	-31.29432624	36.45390071	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-378.5659046	264.0268975	-99.07801418	-15.46099291	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	316.6823223	-363.8631734	10.76241135	-57.94326241	CUMPLE	CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	227.5975177	-394.4769504	-42.09219858	-124.787234	CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-114.59201	116.9324355	-37.81914894	40.15957447	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	-233.5828806	116.2247246	-87.38475177	-29.97340426	NO CUMPLE	NO CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	110.5404029	-154.902105	17.27836879	-61.64007092	CUMPLE	CUMPLE			
0.6	1.88	1.128	0.3322336	0.03384	82.6116644	-246.6719481	-53.78546099	-110.2748227	CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-12.51316671	-19.81128849	-15.25596679	-17.06848841	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-101.5573658	-102.0019562	-106.4562435	-97.10307852	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-22.40667022	-39.57880193	-28.9346247	-33.05084746	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-118.6812766	-114.5390624	-127.0702179	-106.1501211	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-19.93194348	-34.63625669	-25.51308659	-29.05511357	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-114.399461	-111.403606	-121.9157154	-103.8873516	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-140.8370611	128.0525574	-52.61501211	39.83050847	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-274.4422101	90.42283963	-129.1525424	-54.86682809	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	115.8114116	-167.6758184	22.10653753	-73.97094431	CUMPLE	CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	71.32747842	-294.426752	-83.75994466	-139.339329	CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-41.64559992	28.54632632	-116.8401937	103.7409201	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-143.9023406	-40.43179984	-214.7544102	30.4202698	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	16.62330201	-68.16486779	86.33229563	-137.8738614	CUMPLE	CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-59.21239108	-163.5721126	1.84192321	-224.6264268	NO CUMPLE	CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-117.0922422	77.31823094	-53.80260579	14.02859449	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-245.2980123	34.28913421	-139.1018102	-71.90706791	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	77.2276713	-146.5900603	2.772973596	-72.13536262	CUMPLE	CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	16.49977428	-257.0970301	-104.7296207	-135.8676352	CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-41.99135443	1.975212377	-102.4293785	62.41323648	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	-146.4628391	-64.78816979	-203.9167531	-7.334255736	NO CUMPLE	NO CUMPLE			
0.7	3.54	2.478	2.5877754	0.101185	2.127467477	-71.24772575	51.40320535	-120.5234636	CUMPLE	CUMPLE			

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION				ESFUERZOS DE FLEXION EJE FUERTE			ESFUERZOS DE FLEXION EJE DEBIL			VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL	
0.7	3.54	2.478	2.5877754	0.101185	-82.33539897	-158.0197261	-39.91467774	-200.4404474	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-135.8317944	135.9770728	-46.51331719	46.65859564	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-233.820878	131.2220079	-86.57096737	-16.02790269	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	120.8159943	-159.750619	28.20823245	-67.14285714	CUMPLE	CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	111.9528461	-253.6235482	-41.17433414	-100.496368	CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-36.64033324	36.47084171	-110.7384988	110.5690073	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-103.2810085	0.367368435	-172.1762942	69.26265421	NO CUMPLE	NO CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	21.62856869	-60.24035239	92.43744956	-131.0492333	CUMPLE	CUMPLE	
0.7	3.54	2.478	2.5877754	0.101185	-18.58702343	-122.7689088	44.42753373	-185.7834659	NO CUMPLE	CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-36.98542274	-12.29348882	-26.62196307	-22.65694849	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-98.505345	-121.7667638	-109.9727891	-110.2993197	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-75.78620019	-22.39067055	-51.4324587	-46.74441205	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-110.4450923	-158.7249757	-134.888241	-134.281827	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-66.07191448	-19.86005831	-45.21671526	-40.71525753	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-107.4616132	-149.4907677	-128.6627794	-128.2896016	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-614.7619048	578.1632653	-46.50923226	9.910592809	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-570.4917396	362.8726919	-214.7832847	7.164237123	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	540.7910593	-602.750243	-6.746355685	-55.21282799	CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	373.4596696	-606.4120505	-5.187560739	-227.7648202	CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-180.324587	135.2905734	-90.63362488	45.59961127	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-222.04276	6.015549077	-415.6987366	199.6715258	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	106.3479106	-159.898931	37.37609329	-90.9271137	CUMPLE	CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	25.01068999	-249.5549077	195.7278912	-420.2721088	CUMPLE	CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-503.5451895	427.191448	-60.27599611	-16.07774538	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-464.8124393	217.4655005	-208	-39.34693878	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	371.3799806	-466.9173955	-30.17103984	-65.36637512	CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	249.8950437	-516.425656	-49.31195335	-217.2186589	CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-174.6083576	91.88726919	-93.68707483	10.96598639	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-200.9873664	-52.72691934	-360.1282799	106.4139942	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	42.44314869	-131.6132167	3.240038873	-92.4101069	CUMPLE	CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-13.93002915	-246.2332362	102.8046647	-362.96793	NO CUMPLE	CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-599.9747328	583.0767736	-35.86588921	18.96793003	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-531.0806608	411.5976676	-170.7735666	51.29057337	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	555.5918367	-597.8231293	3.910592809	-46.14188533	CUMPLE	CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	412.8649174	-557.7084548	38.80855199	-183.6520894	CUMPLE	CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-165.5238095	140.2176871	-79.97667638	54.67055394	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	-182.6375121	54.7191448	-371.7026239	243.7842566	NO CUMPLE	NO CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	121.148688	-154.9718173	48.03304179	-81.85617104	CUMPLE	CUMPLE	
0.7	1.05	0.735	0.067528125	0.0300125	64.4159378	-200.851312	239.7123421	-376.1477162	CUMPLE	CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-24.22077922	-8.987012987	-16.80983302	-16.39795918	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-100.3842975	-103.8234947	-102.4990724	-101.7087199	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-48.09149941	-16.24616293	-32.44155844	-31.8961039	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-112.161157	-123.1765053	-117.9415584	-117.3961039	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-42.12455726	-14.4338843	-28.53525046	-28.02319109	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-109.2190083	-118.3394333	-114.0797774	-113.4786642	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-276.3465171	278.1646989	-11.45269017	13.27087119	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-285.4828808	116.3010626	-170.0491651	0.867346939	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	227.8984652	-296.1452184	-22.17346939	-46.07328386	CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	84.70779221	-323.9545455	-34.96103896	-204.2857143	CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-90.28807556	80.34002361	-38.32467532	28.37662338	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-144.8583235	-36.08972845	-374.3552876	193.4072356	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	41.84828808	-98.31582054	4.710575139	-61.17810761	CUMPLE	CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-55.91027155	-171.5572609	169.351577	-396.8191095	NO CUMPLE	CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-233.0206612	202.9817001	-24.48144712	-5.557513915	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-249.364817	48.3265596	-165.2226345	-35.81632653	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	148.7632822	-231.8541913	-32.60111317	-50.48979592	CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	30.92207792	-285.012987	-62.94341373	-191.1474954	CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-92.14698937	53.19893743	-44.82653061	5.878478664	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-142.8919717	-67.05608028	-319.9109462	109.9628942	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	7.897874852	-82.06670602	-12.24397032	-61.92486085	CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-75.54427391	-169.6245573	91.75139147	-336.9202226	NO CUMPLE	CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-266.6558442	281.7597403	-4.726345083	19.83024119	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-245.3276269	157.8341204	-129.0435993	41.55009276	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	237.5891381	-292.5501771	-15.4471243	-39.51391466	CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	124.864817	-282.4232586	6.038961039	-163.5974026	CUMPLE	CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-80.60566706	83.93034238	-31.61038961	34.93506494	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-104.7095632	5.436835891	-333.3562152	234.0834879	NO CUMPLE	NO CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	51.53719008	-94.71900826	11.43692022	-54.6187384	CUMPLE	CUMPLE	
0.7	2.2	1.54	0.621133333	0.062883333	-15.75324675	-130.025974	210.3571429	-356.1363636	NO CUMPLE	CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	-17.97714286	-8.88	-17.6244898	-9.232653061	NO CUMPLE	NO CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	-100.0152381	-97.85142857	-98.7537415	-99.11292517	NO CUMPLE	NO CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	-50.47809524	2.801904762	-28.76054422	-18.91564626	NO CUMPLE	NO CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	-95.01714286	-123.6495238	-108.9496599	-109.7170068	NO CUMPLE	NO CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	-42.35428571	-0.121904762	-25.98095238	-16.4952381	NO CUMPLE	NO CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	-96.2647619	-117.2019048	-106.3986395	-107.0680272	NO CUMPLE	NO CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	-354.7085714	394.8890476	-6.280272109	46.4707483	NO CUMPLE	NO CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	-398.9638095	268.1447619	-83.19727891	-47.62176871	NO CUMPLE	NO CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	318.7542857	-412.6590476	-28.96054422	-64.94421769	CUMPLE	NO CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	198.9333333	-463.847619	-114.3102041	-150.6040816	NO CUMPLE	NO CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	-250.1733333	338.0780952	-36.65170068	124.5564626	NO CUMPLE	NO CUMPLE	
0.7	1.5	1.05	0.196875	0.042875	-338.5085714	255.4038095	-89.96870748	6.863945578	NO CUMPLE	NO CUMPLE	

HOJA DE CALCULO PARA DETERMINACIÓN Y VERIFICACIÓN DE ESFUERZOS EN LOS MUROS.

Proyecto: PY-177 Villa de los Angeles -LOTE B
 Realizó:
 Contiene:
 Fecha:

SECCION					ESFUERZOS DE FLEXION EJE FUERTE		ESFUERZOS DE FLEXION EJE DEBIL		VERIFICACIONES	
Ancho(m)	Largo(m)	Area (m2)	Inercia 1(m4)	Inercia 2(m4)	Esf min(KN/m2)	Esf max(KN/m2)	Esf min(KN/m2)	Esf max(KN/m2)	EJE FUERTE	EJE DEBIL
0.7	1.5	1.05	0.196875	0.042875	214.2095238	-355.847619	1.401360544	-143.0394558	CUMPLE	CUMPLE
0.7	1.5	1.05	0.196875	0.042875	138.4780952	-451.1066667	-107.5387755	-205.0897959	CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	-297.3085714	305.5942857	-17.39183673	25.67755102	NO CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	-322.6133333	159.9085714	-94.61768707	-68.08707483	NO CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	212.6	-305.8380952	-34.57006803	-58.66802721	CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	130.0838095	-394.312381	-118.1795918	-146.0489796	CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	-218.1561905	262.5752381	-40.38639456	84.80544218	NO CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	-276.8361905	150.2647619	-99.74285714	-26.82857143	NO CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	133.447619	-262.8190476	-11.5755102	-117.7959184	CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	84.30666667	-384.6685714	-113.0544218	-187.307483	CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	-347.5161905	398.4495238	0.772789116	50.16054422	NO CUMPLE	CUMPLE
0.7	1.5	1.05	0.196875	0.042875	-358.9580952	307.2819048	-43.69115646	-7.985034014	NO CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	325.9428571	-409.1047619	-21.91564626	-61.2462585	CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	238.9390476	-424.7104762	-74.8122449	-110.9591837	CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	-242.9809524	341.6285714	-29.59863946	128.2462585	NO CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	-298.4933333	294.5504762	-50.46122449	46.51836735	NO CUMPLE	NO CUMPLE
0.7	1.5	1.05	0.196875	0.042875	221.3980952	-352.2933333	8.446258503	-139.3414966	CUMPLE	CUMPLE
0.7	1.5	1.05	0.196875	0.042875	178.4838095	-411.9695238	-68.04081633	-165.444898	CUMPLE	NO CUMPLE