

**Universidad de San Carlos de Guatemala  
Centro Universitario de Occidente  
División de Ciencias de la Ingeniería  
Curso: Diseño Asistido por Computadora  
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**– Tarea 1 –**  
**Resultados de cargas globales y por piso**

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TABLE: Program Control

ProgramName	Version	ProgLevel	LicenseNum	CurrUnits	StlFrmCode	CompBmCode	CompColCode	StlJstCode	ConcFrmCode	ConcSlbCode	ShrWallCode
ETABS	22.1.0	Ultimate	2008-*17BCPPBF8WPWGED	kip, in, F	AISC 360-16	AISC 360-16	AISC 360-16	SJI-2010	ACI 318-19	ACI 318-19	ACI 318-19

TABLE: Base Reactions

Output Case	Case Type	FX tonf	FY tonf	FZ tonf	MX tonf-m	MY tonf-m	MZ tonf-m	X m	Y m	Z m
PP	LinStatic	0	0	138.807	678.417	-878.242	0	0	0	0
SC	LinStatic	0	0	54.1304	262.824	-342.995	0	0	0	0
V	LinStatic	0	0	52.25	255.108	-326.242	0	0	0	0
Vt	LinStatic	0	0	9.5	46.3833	-59.3167	0	0	0	0
Sx	LinStatic	-28.932	0	0	0	-173.183	140.918	0	0	0
Sy	LinStatic	0	-28.932	0	173.183	0	-182.451	0	0	0
SyDeriva	LinStatic	0	-28.932	0	173.183	0	-182.451	0	0	0
SxDeriva	LinStatic	-28.932	0	0	0	-173.183	140.918	0	0	0

TABLE: Centers Of Mass And Rigidity

Story	Diaphragm	Mass X kg	Mass Y kg	XCM m	YCM m	Cum Mass X kg	Cum Mass Y kg	XCCM m	YCCM m	XCR m	YCR m
Story1	D1	121396.59	121396.59	6.3327	4.8733	121396.59	121396.59	6.3327	4.8733	6.2545	5.0758
Story2	D2	71481.65	71481.65	6.2793	4.8681	71481.65	71481.65	6.2793	4.8681	5.9203	5.1672

## PP

TABLE: Story Forces									
Story	Output Ca	Case Ty	Locatic	P	VX	VY	T	MX	MY
Story2	PP	LinStatic	Top	47.5336	0	0	0	230.1387	-297.1684
Story2	PP	LinStatic	Bottom	65.0296	0	0	0	317.3944	-410.7304
Story1	PP	LinStatic	Top	112.5633	0	0	0	547.533	-707.8989
Story1	PP	LinStatic	Bottom	138.8073	0	0	0	678.4166	-878.2419

## SC

TABLE: Story Forces									
Story	Output Ca	Case Ty	Locatic	P	VX	VY	T	MX	MY
Story2	SC	LinStatic	Top	10.45	0	0	0	51.0217	-65.2483
Story2	SC	LinStatic	Bottom	10.45	0	0	0	51.0217	-65.2483
Story1	SC	LinStatic	Top	54.1304	0	0	0	262.8244	-342.9954
Story1	SC	LinStatic	Bottom	54.1304	0	0	0	262.8244	-342.9954

## Sx

TABLE: Story Forces									
Story	Output Ca	Case Ty	Locatic	P	VX	VY	T	MX	MY
Story2	Sx	LinStatic	Top	0	-14.3299	0	69.7595	0	0
Story2	Sx	LinStatic	Bottom	0	-14.3299	0	69.7595	0	-42.9898
Story1	Sx	LinStatic	Top	0	-28.9317	0	140.9178	0	-42.9898
Story1	Sx	LinStatic	Bottom	0	-28.9317	0	140.9178	0	-173.1826

## SxDeriva

TABLE: Story Forces									
Story	Output Ca	Case Ty	Locatic	P	VX	VY	T	MX	MY
Story2	SxDeriva	LinStatic	Top	0	-14.3299	0	69.7595	0	0
Story2	SxDeriva	LinStatic	Bottom	0	-14.3299	0	69.7595	0	-42.9898
Story1	SxDeriva	LinStatic	Top	0	-28.9317	0	140.9178	0	-42.9898
Story1	SxDeriva	LinStatic	Bottom	0	-28.9317	0	140.9178	0	-173.1826

## Sy

TABLE: Story Forces									
Story	Output Ca	Case Ty	Locatic	P	VX	VY	T	MX	MY
Story2	Sy	LinStatic	Top	0	0	-14.3299	-89.9821	0	0
Story2	Sy	LinStatic	Bottom	0	0	-14.3299	-89.9821	42.9898	0
Story1	Sy	LinStatic	Top	0	0	-28.9317	-182.4513	42.9898	0
Story1	Sy	LinStatic	Bottom	0	0	-28.9317	-182.4513	173.1826	0

## SyDeriva

TABLE: Story Forces									
Story	Output Ca	Case Ty	Locatic	P	VX	VY	T	MX	MY
Story2	SyDeriva	LinStatic	Top	0	0	-14.3299	-89.9821	0	0
Story2	SyDeriva	LinStatic	Bottom	0	0	-14.3299	-89.9821	42.9898	0
Story1	SyDeriva	LinStatic	Top	0	0	-28.9317	-182.4513	42.9898	0
Story1	SyDeriva	LinStatic	Bottom	0	0	-28.9317	-182.4513	173.1826	0

V

TABLE: Story Forces										
Story	Output Ca	Case Ty	Locatic	P	VX	VY	T	MX	MY	
Story2	V	LinStatic	Top	19	0	0	0	92.7667	-118.6333	
Story2	V	LinStatic	Bottom	19	0	0	0	92.7667	-118.6333	
Story1	V	LinStatic	Top	52.25	0	0	0	255.1083	-326.2417	
Story1	V	LinStatic	Bottom	52.25	0	0	0	255.1083	-326.2417	

Vt

TABLE: Story Forces										
Story	Output Ca	Case Ty	Locatic	P	VX	VY	T	MX	MY	
Story2	Vt	LinStatic	Top	9.5	0	0	0	46.3833	-59.3167	
Story2	Vt	LinStatic	Bottom	9.5	0	0	0	46.3833	-59.3167	
Story1	Vt	LinStatic	Top	9.5	0	0	0	46.3833	-59.3167	
Story1	Vt	LinStatic	Bottom	9.5	0	0	0	46.3833	-59.3167	