

MEMORIAS DE CALCULOS

EDIFICIOS ALMACENES (MIDE) MINISTERIO DE DEFENSA DE LA REPUBLICA DOMINICANA SANTO DOMINGO

PROPIEDAD DE:

MINISTERIO DE DEFENSA DE LA REPÚBLICA DOMINICANA (MIDE)

CODIGOS DE DISEÑO:

ACI-318

***DIRECCION GENERAL DE NORMAS Y SISTEMAS DEL MINISTERIO DE OBRAS
PUBLICAS***

CALCULADO POR:

ING. CARLOS CRUZ

Codia 16032

SANTO DOMINGO, D.N

AGOSTO DEL 2026.-

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1. MEMORIA DESCRIPTIVA DEL PROYECTO

2. NORMAS Y RECOMENDACIONES

1., Memoria Descriptiva

- Ubicación

Este proyecto será ubicado en Pedro Brand, Intendencia Militar de Material Bélico de las FFAA.

- Descripción

Construcción de edificio aporricado.

Materiales:

Esfuerzo del Concreto

$f'_c = 210 \text{ kg/cm}^2$

Esfuerzo del Acero

$f_y = 4200 \text{ kg/cm}^2$

Esfuerzo de la Mampostería

$f_m = 60 \text{ kg/cm}^2$

Esfuerzo del Suelo

$G_t = 2.37 \text{ kg/cm}^2$ Modulo Balastro = 2.84 kg/cm^3

Normas y Recomendaciones

A fin de cumplir con las reglamentaciones estructurales para edificaciones exigido por las instituciones correspondientes del país, se han Observado las disposiciones técnicas del Departamento de Normas y Sistemas (DNRS) con sus nuevos reglamentos:

***Reglamento R-001 para el Análisis y Diseño Sísmico de Estructura,
ACI-318-08 American Concrete Institute, reglamento
R-033 Para el Diseño y Construcción de Estructura en Hormigón Armado.***

Clasificación de la Edificación

Esta edificación está clasificada dentro del GRUPO IV, debido al uso ocupacional de la misma, de acuerdo al Art.22 R-001. Pag.15

ZONIFICACION

Corresponde a la zonificación Sísmica *ZONA I*, por la ubicación y localización del proyecto, de acuerdo al *MAPA No.1, articulo 8 pág. 8 R-001. Campo Lejano.*

TIPO SUELO. Tipo "D"

FACTORES DE SITIO F_a y F_s . y ACELERACIONES ESPECTRALE S_1 Y S_s .

Esto fueron tomado en función del tipo de suelo, el cual corresponde a un suelo tipo C, según el estudio de suelo. Los valores de F_1 , F_s , S_1 y S_s fueron tomado de la TABLA No.4 y No.5 en función de los Mapas de iso-aceleraciones espectrales, *No.6 y No7 pag.48 y 49 R-001.*

$S_s=0.95$, $S_1= 0.55$,

$F_a= 1.20$ y $F_v= 1.50$

CLASIFICACION DE LA EDIFICACION SEGÚN SISTEMA ESTRUCTURAL

Elegimos un sistema estructural de mampostería reforzada ya que estará formado por un sistema de muros y columnas con capacidad para soportar y transmitir a las cimentaciones tanto las cargas gravitacionales como las fuerzas laterales generada por los sismos.

Dada la característica del sistema elegido, el mismo corresponde al Sistema I

– Estructura Aporticada, *TIPO A-V con pórticos de Hormigón armado Intermedios. art.23 pag.16 R-001.*

ELECCION DEL COEFICIENTE DE REDUCCION POR CAPACIDAD DE DISIPACION DE ENERGIA „ R_d “.

Este fue tomado en función del tipo de estructura y corresponde a un, **$R_d=4.50$** para pórticos intermedios (R-001, art.38-e) según la tabla No.8, Art. 87 R-001.

CODIGO: P019-26					
PROYECTO: ALMACEN ARMADA		STO DGO			
REGLAMENTO PARA EL ANALISIS Y DISEÑO SISMICO DE ESTRUCTURAS					
(R-001) MINISTERIO DE OBRAS PUBLICAS Y COMUNICACIONES					
Ing. Mario Rivera		CODIA 9283			
ESPECTRO SISMICO LINEAL		Solo introducir datos en celdas sombreadas			
.- Localizado En Campo Cercano (1=Si, 0=No) =		0			
.- Zonificación Sísmica (I o II) =		II	(Mapa 1 Pag.8-11)		
.- Clasificación de Sitio (A B C D E F) =		D	(Tabla 3 Pag.11-12)		
.- Clasificación Por Función o Uso de la Esta (I II III IV V) =		IV	(Tabla No. 7, Pag.21)		
.- Coeficiente de Disipación de Energía (Rd) =		4.50	(Pag.15-18, Tabla 8 Pag.22-23)		
.- Piso Suave (1=Si, 0=No) =		0	(Pag.4, Art.38, pág. 24)		
.- Piso Débil (1=Si, 0=No) =		0	(Pag.5, Art.38, pág. 24)		
.- Elementos Sismo Resistentes No Ortogonales (1=Si, 0=No) =		0	(Art.38, pág. 24)		
.- Reentrantes mayores que el 15% Dimensión planta en X y/o Y (1=Si, 0=No) =		0	(Art.38, pág. 24)		
.- Aberturas mayores del 50% del área tota (1=Si, 0=No) =		0	(Art.83, pág. 33)		
.- Poca redundancia menos de tres líneas resistentes (1=Si, 0=No) =		0	(Art.87, pág. 34)		
.- Reducción del RD por condición del art. 89, caso b) del art. 90 (1=Si, 0=No) =		0	(Art.89y90, pág. 35)		
.- Sistema Estructural Sismo Resistente		Portico Hormigón		(Art.40, pág. 23)	
		Intermedio			
= USAR EL MAPA EN VEZ ACCELERACIONES MAXIMAS POR ZONA =					
.- Ordenada Espectral de Referencia para Periodos Cortos T=0.20seg (Ss) =		0.00	(Mapa 6 Pag.47)		
.- Ordenada Espectral de Referencia para Periodos Largos T=1.00seg (S1) =		0.00	(Mapa 7 Pag.48)		
.- Factor de Suelo Asociado A Periodos Cortos (Dif Interpolador en Tabla 6) (Fa) =		0.00	(Tabla 4 Pag.14)		
.- Factor de Suelo Asociado A Periodos Cortos (Dif Interpolación Tabla 6) Fv =		0.00	(Tabla 5 Pag.14)		
.- Coeficiente de Uso o Función Estructural (U) =		1.00			
.- Factor de Suelo Asociado A Periodos Cortos (Fa) =		1.20	Cr =	0.048	
.- Factor de Suelo Asociado A Periodos Cortos (Fv) =		1.50	X =	0.750	
.- Ordenada Espectral de Referencia para Periodos Cortos T=0.20seg (Ss) =		0.95	KO =	0.130	
.- Ordenada Espectral de Referencia para Periodos Largos T=1.00seg (S1) =		0.55	Cd =	4.000	
.- Coeficiente de Disipación de Energía (Modificado) (Rd) =		4.50	Reducción =		
		Sds = 0.760	T0 =	0.1447 Sets	
		Sd1 = 0.550	Ts =	0.7237 Sets	
Aceleración de la gravedad (g) =		9.8100 m/s^2			
Fuerza sísmica Espectral Fv = 0.30 Sds, (Fv) =		0.2280	Artículo 65, Pag 29		
.- LEER ARTICULO 89 Y 90, PAG. 34 SOBRE SISTEMAS APORTICADOS CON MUROS ADOSADOS O ENRAZADOS					
Artículo 34, Pag 21					
Estructura Fuera Campo Cercano					
Sa = 0.6·(Sds/T0) · T+0.4·Sds si T ≤ T0		Sds = (2/3) · Fase			
Sa = Sds para T0 < T ≤ TS		Sd1 = (2/3) · Fs.1			
Sa = Sd1/T para T > TS		T0 = 0.2·(Sd1/Sds)			
		TS = 5·T0			
Estructura Dentro Campo Cercano					
Sa = Fase para T ≤ TS		1.- Coeficiente de Corte Basal			
Sa = Favas1/T para T > TS		Cd = U x Sa / Rd > o = 0.03		0.169	
		Acer = Cd x g			
		Artículo 35, Pag 21			
Datos de Espectro de Respuesta		Datos Terreno:			
		Esfuerzo Terreno Gt=	2.37	Kg/cm ²	
Campo Lejano		Módulo de Reacción. 1.2Gt=	2.844	Kg/cm ³	

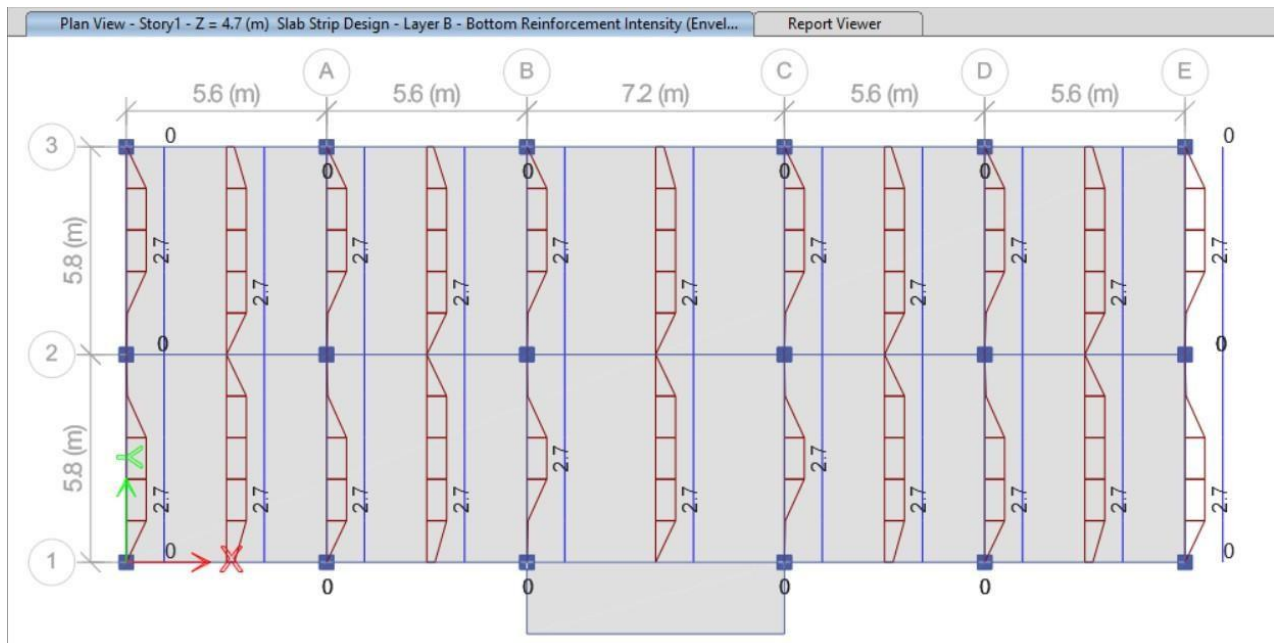
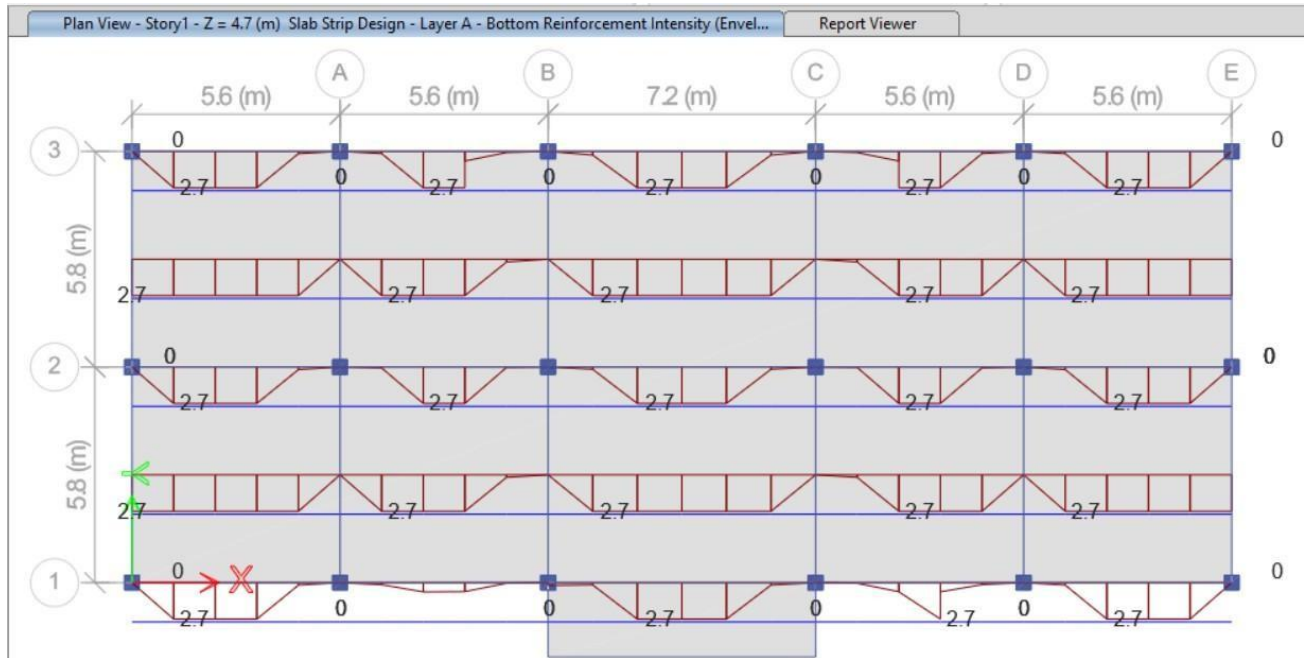
ESPESOR LOSA HORMIGON:

Espesor losa H = 0.15 m

ANALISIS DE CARGAS EN LOSAS:					
NOMBRE DEL PROYECTO:			ACI-318-05		
Espesor		0.15 m			
1.-	TECHOS:				
	Peso Propio	2.40	x	0.15	0.360 To/m²
	Pañete	2.00	x	0.02	0.040 To/m²
	Fino de Techo	2.00	x	0.06	0.120 To/m²
				Cm =	0.520 To/m²
				Cv =	0.100 To/m²
				Cultima =	0.784 To/m²
2.-	ENTREPISOS:				
	Peso Propio	2.40	x	0.15	0.360 To/m²
	Pañete	2.00	x	0.02	0.040 To/m²
	Torta de Pisos	2.00	x	0.06	0.120 To/m²
	Divisiones	2.00	x	0.05	0.100 To/m²
				Cm =	0.620 To/m²
				Cv =	0.200 To/m²
				Cultima =	1.064 To/m²
3.-	VUELOS Y ESCALERAS:				
	Peso Propio	2.40	x	0.15	0.360 To/m²
	Pañete	2.00	x	0.02	0.040 To/m²
	Torta de Pisos	2.00	x	0.06	0.120 To/m²
				Cm =	0.520 To/m²
				Cv =	0.500 To/m²
				Cultima =	1.424 To/m²

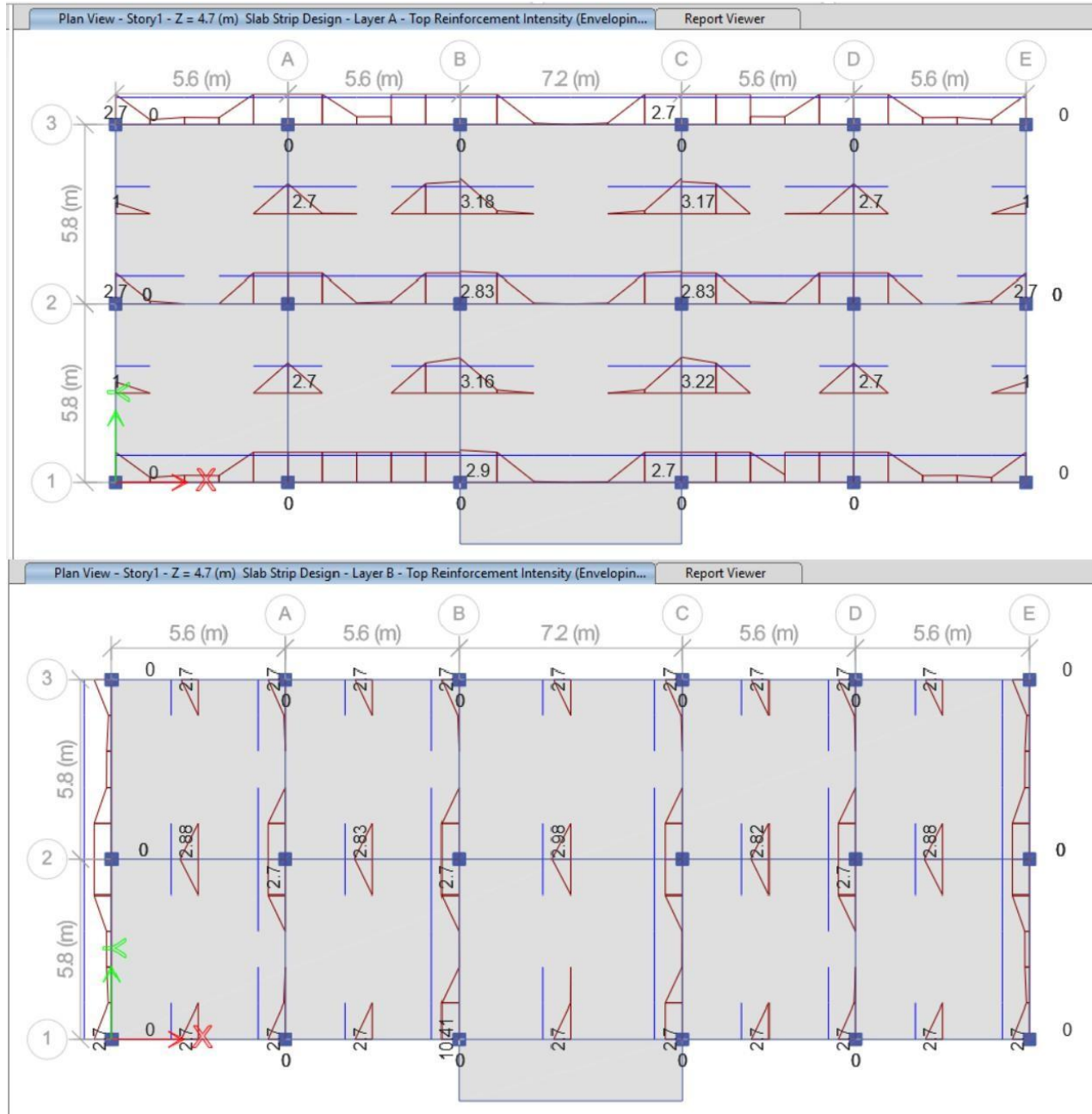
DISEÑO DE LOSAS:

Acero Inferior:



Asmin = 2.70 cm Usar varillas de 3/8" @ 0.15 m

Acero Superior:



Acero Adicional: Usar varillas de 3/8" @ 0.30 m

ANALISIS DE LA ESTRUCTURA:

1. CHEQUEO TORSION:

Table 3.7 - Story Max Over Avg Displacements

Story	Output Case	Case Type	Step Type	Step Number	Step Label	Direction	Maximum m	Average m	Ratio
Story1	SXX	LinStatic			X		0.007478	0.007375	1.014
Story1	SYX	LinStatic			Y		0.007693	0.007693	1
Story1	SDx	LinRespSpec	Max		X		0.007872	0.007576	1.039
Story1	SDx	LinRespSpec	Max		Y		0.003127	0.002806	1.114
Story1	SDy	LinRespSpec	Max		X		0.002818	0.00252	1.118
Story1	SDy	LinRespSpec	Max		Y		0.008992	0.0085	1.058

Ratio < 1.20

2. PARTICIPACION DE LA MASA:

Table 3.12 - Modal Load Participation Ratios

Case	Item Type	Item	Static %	Dynamic %
Modal	Acceleration	UX	100	89.51
Modal	Acceleration	UY	100	89.33
Modal	Acceleration	UZ	0	0

3. Derivas:

$$D_{max} = 0.008h/C_d = .007 \quad C_d = 4 \quad h = 3.50m$$

Table 3.8 - Story Drifts

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Story1	SDx	LinRespSpec	Max	X	0.001675	98	29.6	0	4.7
Story1	SDx	LinRespSpec	Max	Y	0.000665	51	0	11.6	4.7
Story1	SDy	LinRespSpec	Max	X	0.0006	98	29.6	0	4.7
Story1	SDy	LinRespSpec	Max	Y	0.001913	51	0	11.6	4.7

Ratio < 0.007 Ok

4. DESPLAZAMIENTO:

$$D_{max} = 0.008H = .028 \quad h = 3.50m$$

Story	Output Case	Case Type	Step Type	Direction	Maximum m
Story1	SDx	LinRespSpec	Max	X	0.007872
Story1	SDx	LinRespSpec	Max	Y	0.003127
Story1	SDy	LinRespSpec	Max	X	0.002818
Story1	SDy	LinRespSpec	Max	Y	0.008992

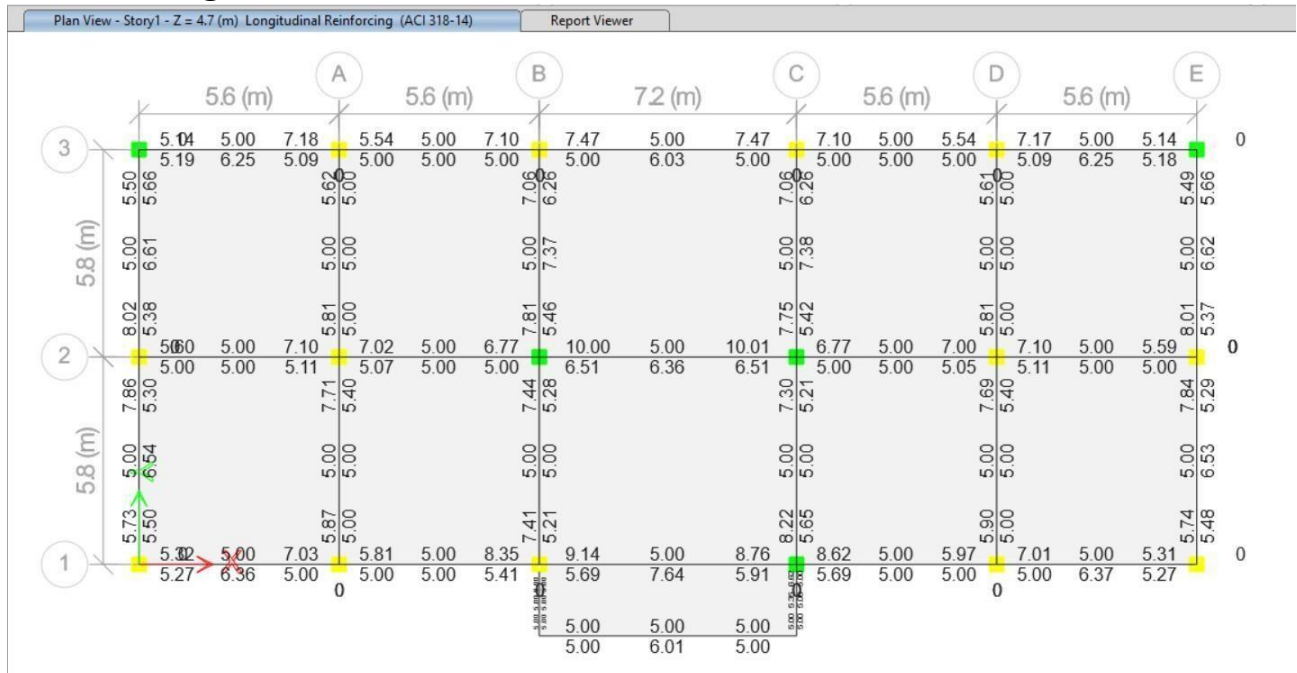
dMAX < 0.028 Ok

5. CORTANTE BASAL:

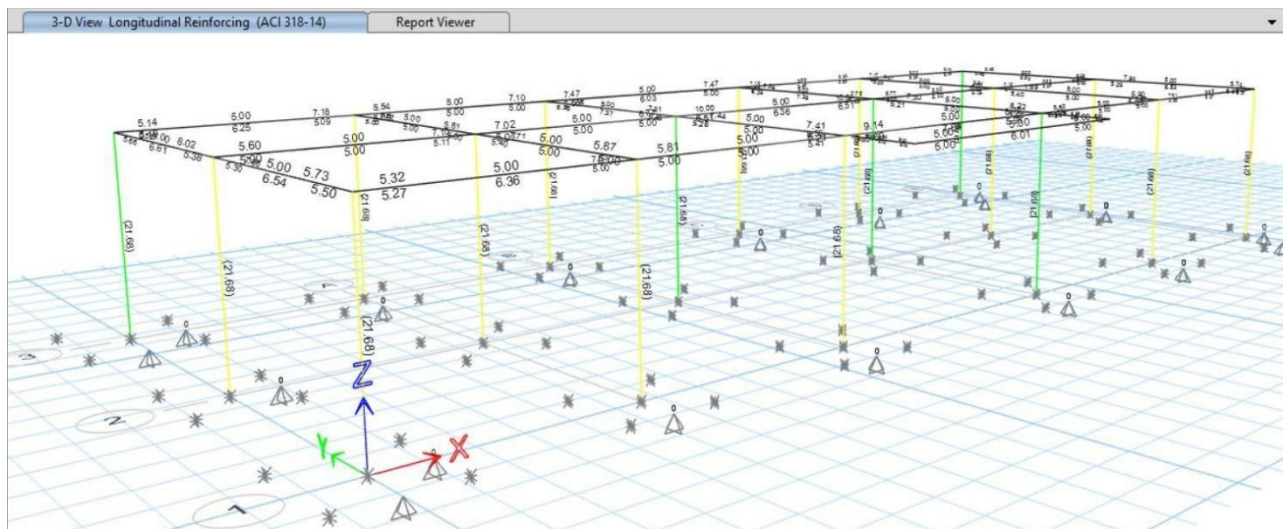
REGLAMEMTO PARA EL ANALISIS Y DISENO SISMICO DE ESTRUCTURAS					
del Ministerio de Obras Publicas R-001 (24/03/2011)					
VERIFICACION DE CORTANTE BASAL (SECCION 3, Artículo No. 67)					
ALMACEN ARMADA					
Valores obtenidos en el Análisis Dinámico:					
Fuerza Dinámica en la dirección x-x =		48.20	To		
Fuerza Dinámica en la dirección y-y =		48.40	To		
<u>PESO DEL EDIFICIO:</u>					
Peso Muerto Wm =		381.30	To		
Carga viva Wcv =		35.60	To		
ϕ =		0.15			
Pesto Total Wt =		386.64	To		
				Tx	Ty
$T1 = Ko H \sqrt{Ds}$		=	0.083	0.131	
$T2 = C^T H^X$		=	0.123	0.123	
$Cb = U \times Sa / Rd \geq 0.03$					
Coeficiente Ko Tabla		(Ko)	0.13		0.13
Altura del edificio		(H)	3.50	mts	3.50
Dimensión mayor en planta del edificio en x-x (Ds)x			30.00	mts	30.00
Dimensión mayor en planta del edificio en y-y (Ds)y			12.00	mts	12.00
Coeficiente Sismo Resistente		(C r)	0.048		0.048
Coeficiente Sismo Resistente		(X)	0.750		0.750
Aceleracion		(Sa)	0.760		0.760
Coef. Que depende de función de la estructura (U)			1.00		1.00
Coef. De reduccion por capac. Disipacion energia (Rdx)			4.50		4.50
Coef. De reduccion por capac. Disipacion energia (Rdy)			4.50		4.50
Tx= 0.083 seg.			Ty= 0.123 seg.		
Cbx = 0.169			Cby = 0.169		
Cortante Basal Cuasi-estatico Vcx = Cb * Wt b)x=		65.299	Ton		
Cortante Basal Cuasi-estatico Vcy= Cb * Wt b)y=		65.299	Ton		
VERIFICACION Artículo 67					
					Ratio<1.00
65%Vcx =		42.44	Ton.	OK!!	0.88
65%Vcy =		42.44	Ton.	OK!!	0.88

DISEÑO DE LA ESTRUCTURA:

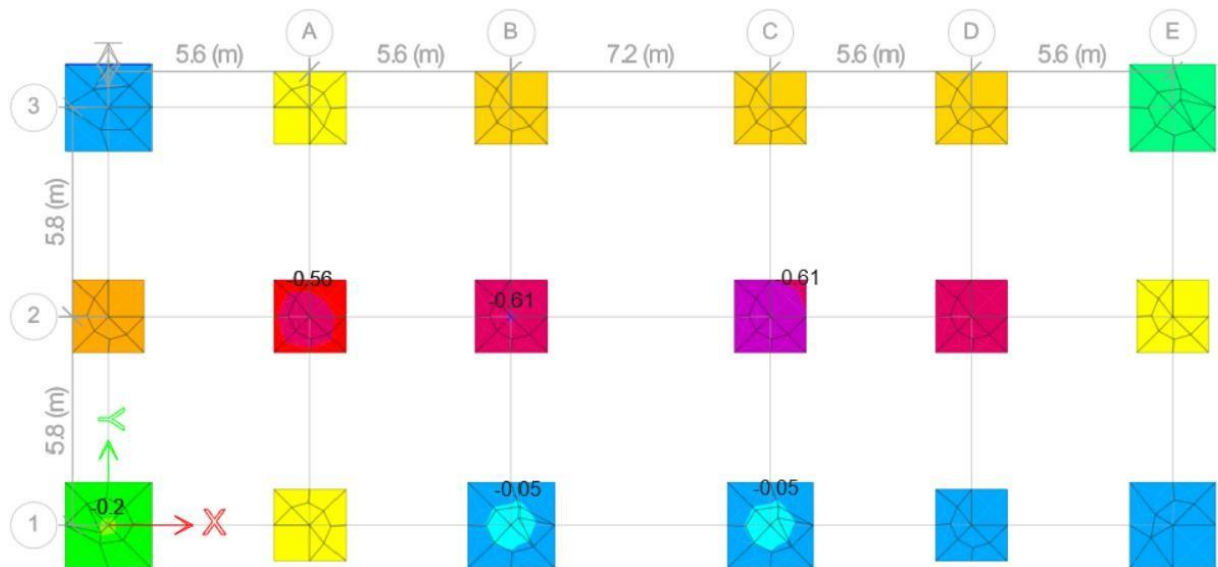
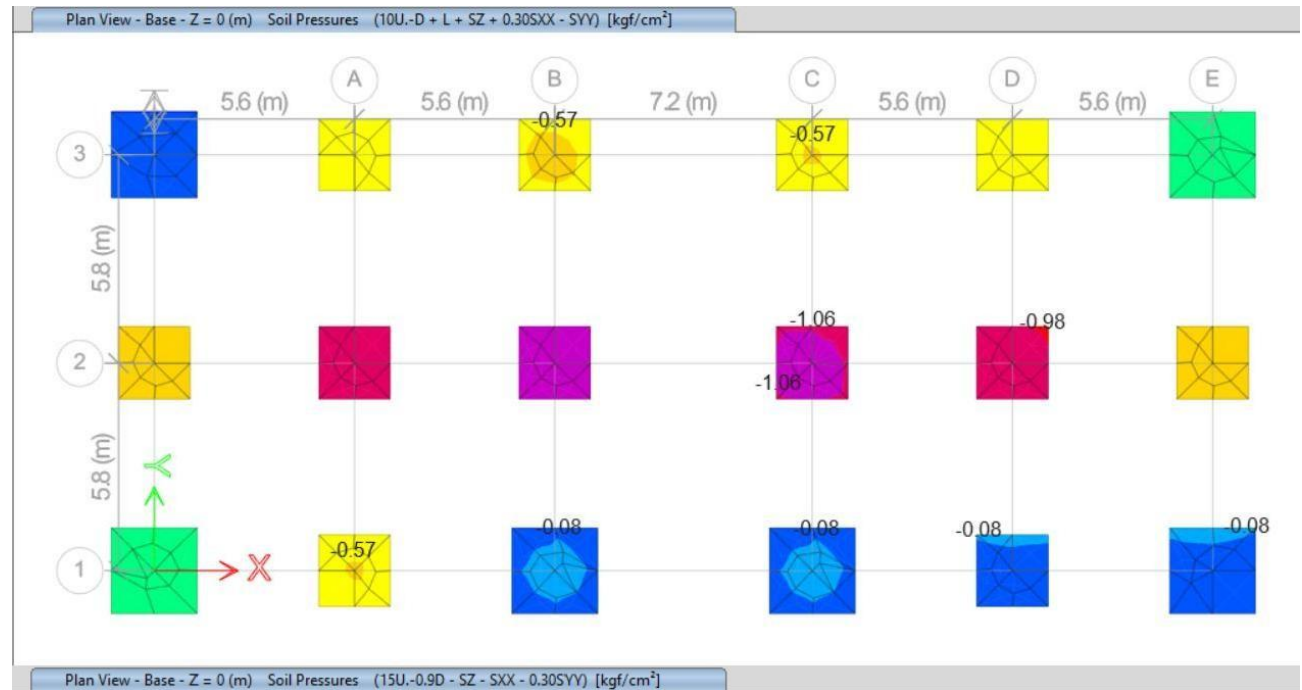
Acero de Vigas:



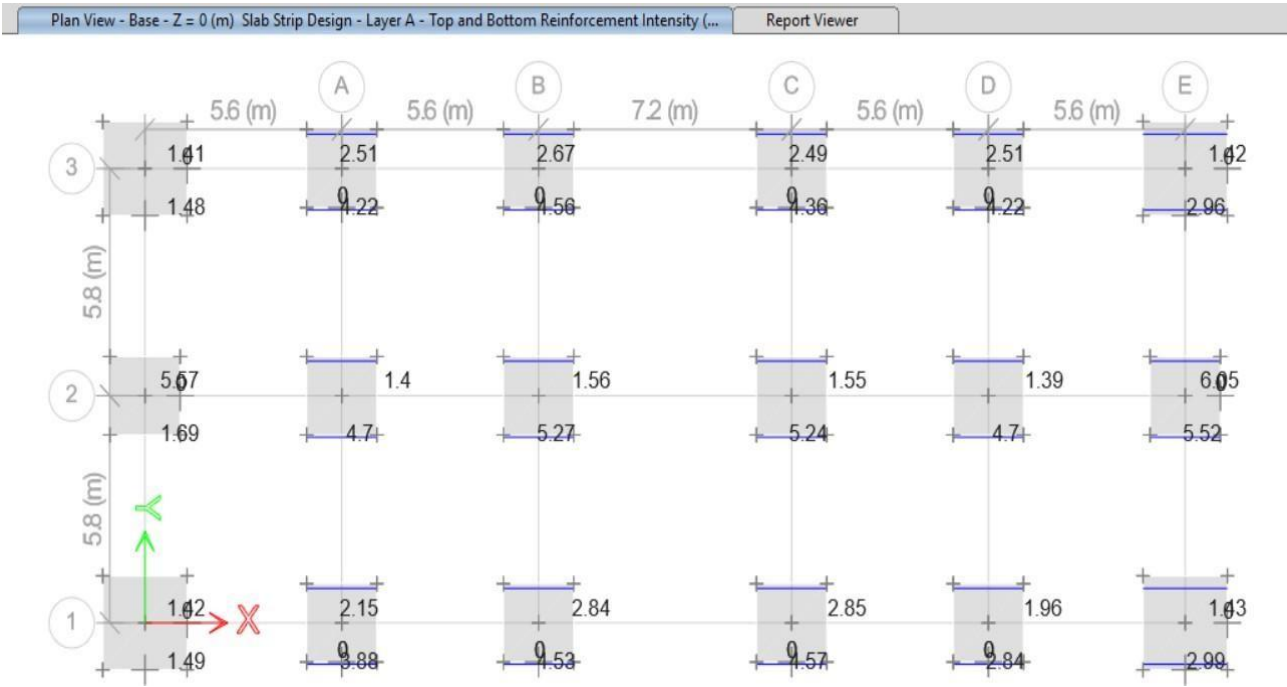
ACERO DE COLUMNAS:



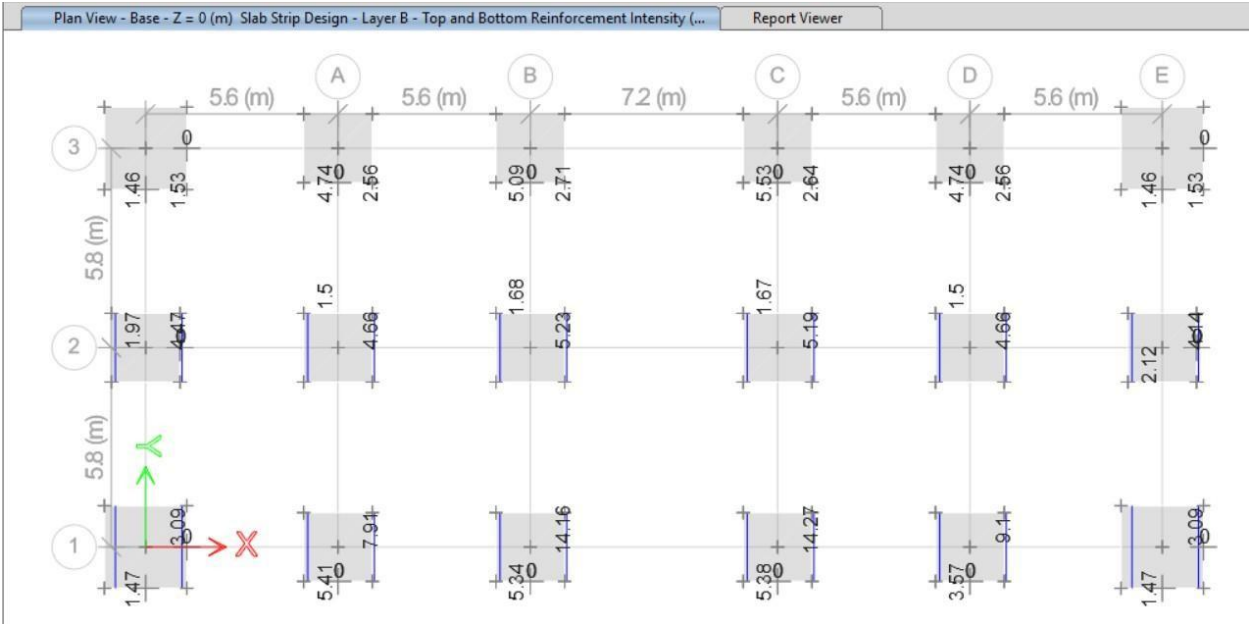
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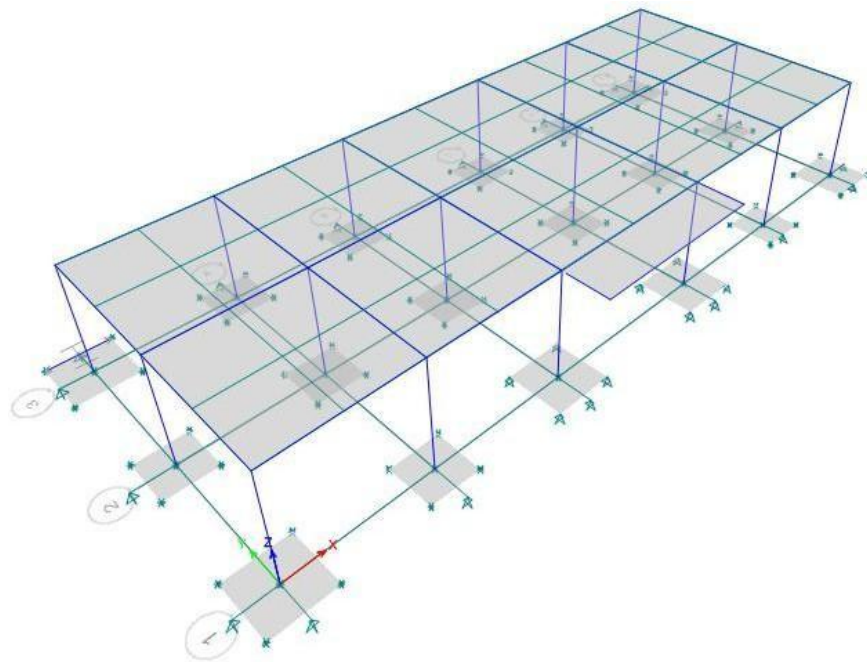


ACERO EN X-X:



ACERO Y-Y





Summary Report

Model File:

BELICO FFAA, Revision 0
15/08/2026

1 Structure Data

This chapter provides model geometry information, including items such as story levels, point coordinates, and element connectivity.

1.1 Story Data

Table 1.1 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
T1	Story1	4.7	No	None	No	Red

2 Loads

This chapter provides loading information as applied to the model.

2.1 Load Patterns

Table 2.1 - Load Pattern Definitions

Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~LLRF	Yes	Other	0	
~SDxECC	Yes	Other	0	
~SDyECC	Yes	Other	0	
Dead	No	Dead	1	
Live	No	Live	0	
Sv	No	Dead	0.22	
SXX	No	Seismic (Drift)	0	Dominican Republic R-001
SYX	No	Seismic (Drift)	0	Dominican Republic R-001

2.2 Functions

2.2.1 Response Spectrum Functions

Table 2.2 - Functions - Response Spectrum - Dominican Republic R-001

Name	Period sec	Value	Ss	S1	Fa	Fv	Near Field	Classification	R	Damping Ratio
FuncP	0	0.067556	0.95	0.55	1.2	1.5	FCC	4	4.5	0.05
FuncP	0.05	0.102562								
FuncP	0.1	0.137568								
FuncP	0.15	0.168889								
FuncP	0.2	0.168889								
FuncP	0.3	0.168889								
FuncP	0.4	0.168889								
FuncP	0.5	0.168889								
FuncP	0.6	0.168889								
FuncP	0.7	0.168889								
FuncP	0.8	0.152778								
FuncP	0.9	0.135802								
FuncP	1	0.122222								
FuncP	1.5	0.081481								
FuncP	2	0.061111								
FuncP	2.5	0.048889								
FuncP	3	0.040741								
FuncP	3.5	0.034921								
FuncP	4	0.030556								
FuncP	5	0.03								
	6	0.03								

Name	Period sec	Value	Ss	S1	Fa	Fv	Near Field	Classification	R	Damping Ratio
FuncP	8	0.03								
FuncP	10	0.03								

2.3 Load Cases

Table 2.3 - Load Case Definitions - Summary

Name	Type
Modal	Modal - Eigen
Dead	Linear Static
Live	Linear Static
SZ	Linear Static
SXX	Linear Static
SYY	Linear Static
SDx	Response Spectrum
SDy	Response Spectrum

3 Analysis Results

This chapter provides analysis results.

3.1 Structure Results

Table 3.1 - Base Reactions (Part 1 of 2)

Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m
Dead	LinStatic		0	0	385084.59	2124383.33	-5699257.29
Live	LinStatic		0	0	35776	197704.43	-529485.24
SZ	LinStatic		0	0	68977.17	380374.38	-1020863.1
SXX	LinStatic		-48422.16	0	0	1.16	-230197.28
SYX	LinStatic		0	-48422.16	0	230310.83	-1.16
SDx	LinRespSpec	Max	48216.4	14671.51	0	69753.6	229158.73
SDy	LinRespSpec	Max	14599.97	48452.75	0	230388.5	69389.15
1.- 1.4D	Combination		0	0	539118.42	2974136.66	-7978960.2
3.- 1.2D + 1.6L + SZ	Combination		0	0	588320.27	3245961.47	-8707148.22
4.- 1.2D + Sv + L + SDx	Combination	Max	48216.4	14671.51	566854.67	3197092.41	-8160298.35
4.- 1.2D + Sv + L + SDx	Combination	Min	-48216.4	-14671.51	566854.67	3057585.21	-8618615.81
5.- 1.2D + Sv + L - SDx	Combination	Max	48216.4	14671.51	566854.67	3197092.41	-8160298.35
5.- 1.2D + Sv + L - SDx	Combination	Min	-48216.4	-14671.51	566854.67	3057585.21	-8618615.81
6.- 1.2D + Sv + L + SDy	Combination	Max	14599.97	48452.75	566854.67	3357727.31	-8320067.93
6.- 1.2D + Sv + L + SDy	Combination	Min	-14599.97	-48452.75	566854.67	2896950.31	-8458846.23
7.- 1.2D + Sv + L - SDy	Combination	Max	14599.97	48452.75	566854.67	3357727.31	-8320067.93
7.- 1.2D + Sv + L - SDy	Combination	Min	-14599.97	-48452.75	566854.67	2896950.31	-8458846.23
2.- 1.2D + 1.6L	Combination		0	0	519343.1	2865587.08	-7686285.12
8.- 0.9D - Sv + SDx	Combination	Max	48216.4	14671.51	277598.96	1601324.21	-3879309.73
8.- 0.9D - Sv + SDx	Combination	Min	-48216.4	-14671.51	277598.96	1461817.01	-4337627.19
12.- 0.9D - Sv + SDy	Combination	Max	14599.97	48452.75	-38508.46	17950.16	639314.88
12.- 0.9D - Sv + SDy	Combination	Min	-14599.97	-48452.75	-38508.46	-442826.83	500536.58
13.- 0.9D - Sv - SDy	Combination	Max	14599.97	48452.75	-38508.46	17950.16	639314.88
13.- 0.9D - Sv - SDy	Combination	Min	-14599.97	-48452.75	-38508.46	-442826.83	500536.58
14.- 0.9D - Sv - SDx	Combination	Max	48216.4	14671.51	277598.96	1601324.21	-3879309.73
14.- 0.9D - Sv - SDx	Combination	Min	-48216.4	-14671.51	277598.96	1461817.01	-4337627.19
1U.- D	Combination		0	0	385084.59	2124383.33	-5699257.29
2U.- D + L	Combination		0	0	420860.59	2322087.76	-6228742.52
3U.- D + L + SZ	Combination		0	0	489837.76	2702462.14	-7249605.62
4U.- D + L + SZ + SXX + 0.30SYY	Combination		-48422.16	-14526.65	489837.76	2771556.55	-7479803.25
5U.- D + L + SZ - SXX + 0.30SYY	Combination		48422.16	-14526.65	489837.76	2771554.23	-7019408.69
6U.- D + L + SZ + SXX - 0.30SYY	Combination		-48422.16	14526.65	489837.76	2633370.05	-7479802.55
7U.- D + L + SZ - SXX - 0.30SYY	Combination		48422.16	14526.65	489837.76	2633367.74	-7019408
8U.- D + L + SZ + 0.30SXX + SYY	Combination		-14526.65	-48422.16	489837.76	2932773.32	-7318665.97
9U.- D + L + SZ - 0.30SXX + SYY	Combination		14526.65	-48422.16	489837.76	2932772.62	-7180547.6
10U.- D + L + SZ + 0.30SXX - SYY	Combination		-14526.65	48422.16	489837.76	2472151.66	-7318663.65
11U.- D + L + SZ - 0.30SXX - SYY	Combination		14526.65	48422.16	489837.76	2472150.97	-7180545.28
12U.- 0.9D - SZ + SXX + 0.30SYY	Combination		-48422.16	-14526.65	277598.96	1600665.02	-4338666.09
16U.- 0.9D - SZ + 0.3SXX + SYY	Combination		-14526.65	-48422.16	277598.96	1761881.79	-4177528.8
14U.- 0.9D - SZ - SXX + 0.30SYY	Combination		48422.16	-14526.65	277598.96	1600662.7	-3878271.53
15U.- 0.9D - SZ - SXX - 0.30SYY	Combination		48422.16	14526.65	277598.96	1462476.21	-3878270.83
13U.- 0.9D - SZ + SXX - 0.30SYY	Combination		-48422.16	14526.65	277598.96	1462478.52	-4338665.39
17U.- 0.9D - SZ + 0.3SXX - SYY	Combination		14526.65	-48422.16	277598.96	1761881.09	-4039410.44
18U.- 0.9D - SZ + 0.3SXX - SYY	Combination		-14526.65	48422.16	277598.96	1301260.13	-4177526.48
19U.- 0.9D - SZ - 0.3SXX - SYY	Combination		14526.65	48422.16	277598.96	1301259.44	-4039408.11
DSIS1	Combination		0	0	635686.46	3506660.8	-9408168.54
DSIS2	Combination		0	0	602115.71	3322036.34	-8911320.84
DSIS3	Combination	Max	48216.4	14671.51	626056.28	3523643.06	-9036483.01
DSIS3	Combination	Min	-48216.4	-14671.51	626056.28	3384135.85	-9494800.47

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Output Case	Case Type	Step Type	FX kgf	FY kgf	FZ kgf	MX kgf-m	MY kgf-m
DStIS4	Combination	Max	14599.97	48452.75	626056.28	3684277.95	-9196252.59
DStIS4	Combination	Min	-14599.97	-48452.75	626056.28	3223500.96	-9335030.89
DStIS5	Combination	Max	48216.4	14671.51	363249.4	2073559.77	-5146937.58
DStIS5	Combination	Min	-48216.4	-14671.51	363249.4	1934052.57	-5605255.04
DStIS6	Combination	Max	14599.97	48452.75	363249.4	2234194.67	-5306707.16
DStIS6	Combination	Min	-14599.97	-48452.75	363249.4	1773417.67	-5445485.46
DStIS7	Combination		0	0	635686.46	3506660.8	-9408168.54
DStIS8	Combination		0	0	602115.71	3322036.34	-8911320.84
DStIS9	Combination	Max	48216.4	14671.51	626056.28	3523643.06	-9036483.01
DStIS9	Combination	Min	-48216.4	-14671.51	626056.28	3384135.85	-9494800.47
DStIS10	Combination	Max	14599.97	48452.75	626056.28	3684277.95	-9196252.59
DStIS10	Combination	Min	-14599.97	-48452.75	626056.28	3223500.96	-9335030.89
DStIS11	Combination	Max	48216.4	14671.51	363249.4	2073559.77	-5146937.58
DStIS11	Combination	Min	-48216.4	-14671.51	363249.4	1934052.57	-5605255.04
DStIS12	Combination	Max	14599.97	48452.75	363249.4	2234194.67	-5306707.16
DStIS12	Combination	Min	-14599.97	-48452.75	363249.4	1773417.67	-5445485.46
DStID1	Combination		0	0	454061.76	2504757.71	-6720120.39
DStID2	Combination		0	0	489837.76	2702462.14	-7249605.62
DCmpD1	Combination		0	0	454061.76	2504757.71	-6720120.39
DCmpD2	Combination		0	0	489837.76	2702462.14	-7249605.62
DCmpC1	Combination		0	0	635686.46	3506660.8	-9408168.54
DCmpC2	Combination		0	0	544874.11	3005709.26	-8064144.46
DCmpS1	Combination		0	0	635686.46	3506660.8	-9408168.54
DCmpS2	Combination		0	0	602115.71	3322036.34	-8911320.84

Table 3.1 - Base Reactions (Part 2 of 2)

MZ kgf-m	X m	Y m	Z m
0	0	0	0
0	0	0	0
0	0	0	0
265838.36	0	0	0
-716647.95	0	0	0
356665.74	0	0	0
791855.2	0	0	0
0	0	0	0
0	0	0	0
356665.74	0	0	0
-356665.74	0	0	0
356665.74	0	0	0
-356665.74	0	0	0
791855.2	0	0	0
-791855.2	0	0	0
791855.2	0	0	0
-791855.2	0	0	0
0	0	0	0
356665.74	0	0	0
-356665.74	0	0	0
791855.2	0	0	0
-791855.2	0	0	0
791855.2	0	0	0
-791855.2	0	0	0
356665.74	0	0	0
-356665.74	0	0	0
0	0	0	0

MZ kgf-m	X m	Y m	Z m
0	0	0	0
0	0	0	0
50843.98	0	0	0
-480832.75	0	0	0
480832.75	0	0	0
-50843.98	0	0	0
-636896.44	0	0	0
-796399.46	0	0	0
796399.46	0	0	0
636896.44	0	0	0
50843.98	0	0	0
-636896.44	0	0	0
-480832.75	0	0	0
-50843.98	0	0	0
480832.75	0	0	0
-796399.46	0	0	0
796399.46	0	0	0
636896.44	0	0	0
0	0	0	0
0	0	0	0
356665.74	0	0	0
-356665.74	0	0	0
791855.2	0	0	0
-791855.2	0	0	0
356665.74	0	0	0
-356665.74	0	0	0
791855.2	0	0	0
-791855.2	0	0	0
0	0	0	0
0	0	0	0
356665.74	0	0	0
-356665.74	0	0	0
791855.2	0	0	0
-791855.2	0	0	0
356665.74	0	0	0
-356665.74	0	0	0
791855.2	0	0	0
-791855.2	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

Table 3.2 - Centers Of Mass And Rigidity

Story	Diaphragm	Mass X kgf-s2/m	Mass Y kgf-s2/m	XCM m	YCM m	Cum Mass X kgf-s2/m	Cum Mass Y kgf-s2/m	XCCM m	YCCM m	XCR m	YCR m
Story1	D1	29236.3	29236.3	14.8	5.49	29236.3	29236.3	14.8	5.49		

Table 3.3 - Diaphragm Center Of Mass Displacements (Part 1 of 2)

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Story	Diaphragm	Output Case	Case Type	Step Type	UX m	UY m	RZ rad	Point
Story1	D1	Dead	LinStatic		1.5E-05	-0.000124	5E-06	96
Story1	D1	Live	LinStatic		1E-06	-1.2E-05	3.374E-07	96
Story1	D1	SZ	LinStatic		3E-06	-2.2E-05	1E-06	96
Story1	D1	SXX	LinStatic		0.007395	3E-06	1.8E-05	96
Story1	D1	SYX	LinStatic		3E-06	0.007717	-3.452E-07	96
Story1	D1	SDx	LinRespSpec	Max	0.007384	0.002337	0.000107	96
Story1	D1	SDy	LinRespSpec	Max	0.002258	0.00772	0.000108	96
Story1	D1	1.- 1.4D	Combination		2.1E-05	-0.000173	7E-06	96
Story1	D1	3.- 1.2D + 1.6L + SZ	Combination		2.3E-05	-0.00019	8E-06	96
Story1	D1	4.- 1.2D+ Sv + L + SDx	Combination	Max	0.007406	0.002155	0.000115	96
Story1	D1	4.- 1.2D+ Sv + L + SDx	Combination	Min	-0.007361	-0.00252	-0.0001	96
Story1	D1	5.- 1.2D+ Sv + L - SDx	Combination	Max	0.007406	0.002155	0.000115	96
Story1	D1	5.- 1.2D+ Sv + L - SDx	Combination	Min	-0.007361	-0.00252	-0.0001	96
Story1	D1	6.- 1.2D+ Sv + L + SDy	Combination	Max	0.00228	0.007537	0.000115	96
Story1	D1	6.- 1.2D+ Sv + L + SDy	Combination	Min	-0.002236	-0.007902	-0.0001	96
Story1	D1	7.- 1.2D+ Sv + L - SDy	Combination	Max	0.00228	0.007537	0.000115	96
Story1	D1	7.- 1.2D+ Sv + L - SDy	Combination	Min	-0.002236	-0.007902	-0.0001	96
Story1	D1	2.- 1.2D + 1.6L	Combination		2E-05	-0.000168	7E-06	96
Story1	D1	8.- 0.9D - Sv + SDx	Combination	Max	0.007395	0.002248	0.000111	96
Story1	D1	8.- 0.9D - Sv + SDx	Combination	Min	-0.007373	-0.002427	-0.000104	96
Story1	D1	12.- 0.9D - Sv + SDy	Combination	Max	0.002257	0.007732	0.000107	96
Story1	D1	12.- 0.9D - Sv + SDy	Combination	Min	-0.00226	-0.007707	-0.000108	96
Story1	D1	13.- 0.9D - Sv - SDy	Combination	Max	0.002257	0.007732	0.000107	96
Story1	D1	13.- 0.9D - Sv - SDy	Combination	Min	-0.00226	-0.007707	-0.000108	96
Story1	D1	14.- 0.9D - Sv - SDx	Combination	Max	0.007395	0.002248	0.000111	96
Story1	D1	14.- 0.9D - Sv - SDx	Combination	Min	-0.007373	-0.002427	-0.000104	96
Story1	D1	1U.- D	Combination		1.5E-05	-0.000124	5E-06	96
Story1	D1	2U.- D + L	Combination		1.7E-05	-0.000136	6E-06	96
Story1	D1	3U.-D + L + SZ	Combination		1.9E-05	-0.000158	7E-06	96
Story1	D1	4U.-D + L + SZ + SXX + 0.30SYX	Combination		0.007416	0.002161	2.4E-05	96
Story1	D1	5U.-D + L + SZ - SXX + 0.30SYX	Combination		-0.007375	0.002154	-1.1E-05	96
Story1	D1	6U.-D + L + SZ + SXX - 0.30SYX	Combination		0.007414	-0.002469	2.4E-05	96
Story1	D1	7U.-D + L + SZ - SXX - 0.30SYX	Combination		-0.007377	-0.002476	-1.1E-05	96
Story1	D1	8U.-D + L + SZ + 0.30SXX + SYX	Combination		0.002241	0.00756	1.2E-05	96
Story1	D1	9U.-D + L + SZ - 0.30SXX + SYX	Combination		-0.002196	0.007558	1E-06	96
Story1	D1	10U.-D + L + SZ + 0.30SXX - SYX	Combination		0.002235	-0.007873	1.2E-05	96
Story1	D1	11U.-D + L + SZ - 0.30SXX - SYX	Combination		-0.002202	-0.007875	2E-06	96
Story1	D1	12U.-0.9D - SZ + SXX + 0.30SYX	Combination		0.007407	0.002229	2.1E-05	96
Story1	D1	16U.-0.9D - SZ + 0.3SXX + SYX	Combination		0.002233	0.007628	9E-06	96
Story1	D1	14U.-0.9D - SZ - SXX + 0.30SYX	Combination		-0.007383	0.002222	-1.4E-05	96
Story1	D1	15U.-0.9D - SZ - SXX - 0.30SYX	Combination		-0.007385	-0.002408	-1.4E-05	96
Story1	D1	13U.-0.9D - SZ + SXX - 0.30SYX	Combination		0.007405	-0.002401	2.1E-05	96
Story1	D1	17U.-0.9D - SZ + 0.3SXX - SYX	Combination		-0.002204	0.007626	-2E-06	96
Story1	D1	18U.-0.9D - SZ + 0.3SXX - SYX	Combination		0.002226	-0.007805	9E-06	96
Story1	D1	19U.-0.9D - SZ - 0.3SXX - SYX	Combination		-0.002211	-0.007807	-1E-06	96
Story1	D1	DStIS1	Combination		2.5E-05	-0.000203	9E-06	96
Story1	D1	DStIS2	Combination		2.4E-05	-0.000194	8E-06	96
Story1	D1	DStIS3	Combination	Max	0.007408	0.002136	0.000116	96
Story1	D1	DStIS3	Combination	Min	-0.007359	-0.002539	-9.9E-05	96
Story1	D1	DStIS4	Combination	Max	0.002283	0.007518	0.000116	96
Story1	D1	DStIS4	Combination	Min	-0.002233	-0.007921	-9.9E-05	96
Story1	D1	DStIS5	Combination	Max	0.007398	0.002221	0.000112	96
Story1	D1	DStIS5	Combination	Min	-0.007369	-0.002454	-0.000102	96
Story1	D1	DStIS6	Combination	Max	0.002273	0.007603	0.000113	96
Story1	D1	DStIS6	Combination	Min	-0.002244	-0.007836	-0.000103	96
Story1	D1	DStIS7	Combination		2.5E-05	-0.000203	9E-06	96

Story	Diaphragm	Output Case	Case Type	Step Type	UX m	UY m	RZ rad	Point
Story1	D1	DStIS8	Combination		2.4E-05	-0.000194	8E-06	96
Story1	D1	DStIS9	Combination	Max	0.007408	0.002136	0.000116	96
Story1	D1	DStIS9	Combination	Min	-0.007359	-0.002539	-9.9E-05	96
Story1	D1	DStIS10	Combination	Max	0.002283	0.007518	0.000116	96
Story1	D1	DStIS10	Combination	Min	-0.002233	-0.007921	-9.9E-05	96
Story1	D1	DStIS11	Combination	Max	0.007398	0.002221	0.000112	96
Story1	D1	DStIS11	Combination	Min	-0.007369	-0.002454	-0.000102	96
Story1	D1	DStIS12	Combination	Max	0.002273	0.007603	0.000113	96
Story1	D1	DStIS12	Combination	Min	-0.002244	-0.007836	-0.000103	96
Story1	D1	DStID1	Combination		1.8E-05	-0.000145	6E-06	96
Story1	D1	DStID2	Combination		1.9E-05	-0.000158	7E-06	96
Story1	D1	DCmpD1	Combination		1.8E-05	-0.000145	6E-06	96
Story1	D1	DCmpD2	Combination		1.9E-05	-0.000158	7E-06	96
Story1	D1	DCmpC1	Combination		2.5E-05	-0.000203	9E-06	96
Story1	D1	DCmpC2	Combination		2.2E-05	-0.000174	8E-06	96
Story1	D1	DCmpS1	Combination		2.5E-05	-0.000203	9E-06	96
Story1	D1	DCmpS2	Combination		2.4E-05	-0.000194	8E-06	96

[illegible]

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[illegible]

Table 3.4 - Diaphragm Max Over Avg Drifts (Part 1 of 2)

Story	Output Case	Case Type	Step Type	Item	Max Drift	Avg Drift	Ratio	Label	Max Loc X m
Story1	Dead	LinStatic		Diaph D1 X	9E-06	3E-06	3.223	98	29.6
Story1	Dead	LinStatic		Diaph D1 Y	4.3E-05	2.6E-05	1.629	51	0
Story1	Live	LinStatic		Diaph D1 Y	4E-06	3E-06	1.404	51	0
Story1	SZ	LinStatic		Diaph D1 X	2E-06	1E-06	3.32	98	29.6
Story1	SZ	LinStatic		Diaph D1 Y	8E-06	5E-06	1.685	51	0
Story1	SXX	LinStatic		Diaph D1 X	0.001594	0.001572	1.014	98	29.6
Story1	SYX	LinStatic		Diaph D1 Y	0.001643	0.001642	1.001	51	0
Story1	SDx	LinRespSpec	Max	Diaph D1 X	0.001678	0.001615	1.039	98	29.6
Story1	SDx	LinRespSpec	Max	Diaph D1 Y	0.000667	0.000599	1.114	51	0
Story1	SDy	LinRespSpec	Max	Diaph D1 X	0.000601	0.000537	1.118	98	29.6

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Story	Output Case	Case Type	Step Type	Item	Max Drift	Avg Drift	Ratio	Label	Max Loc X m
Story1	SDy	LinRespSpec	Max	Diaph D1 Y	0.001921	0.001815	1.059	51	0
Story1	1.- 1.4D	Combination		Diaph D1 X	1.3E-05	4E-06	3.223	98	29.6
Story1	1.- 1.4D	Combination		Diaph D1 Y	6E-05	3.7E-05	1.629	51	0
Story1	3.- 1.2D + 1.6L + SZ	Combination		Diaph D1 X	1.4E-05	4E-06	3.191	98	29.6
Story1	3.- 1.2D + 1.6L + SZ	Combination		Diaph D1 Y	6.5E-05	4E-05	1.612	51	0
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Max	Diaph D1 X	0.001691	0.00162	1.044	98	29.6
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Max	Diaph D1 Y	0.000651	0.000568	1.145	100	29.6
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Min	Diaph D1 X	0.001664	0.001611	1.033	98	29.6
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Min	Diaph D1 Y	0.00073	0.000647	1.129	51	0
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Max	Diaph D1 X	0.001691	0.00162	1.044	98	29.6
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Max	Diaph D1 Y	0.000651	0.000568	1.145	100	29.6
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Min	Diaph D1 X	0.001664	0.001611	1.033	98	29.6
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Min	Diaph D1 Y	0.00073	0.000647	1.129	51	0
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Max	Diaph D1 X	0.000614	0.000546	1.124	98	29.6
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Max	Diaph D1 Y	0.0019	0.001783	1.066	100	29.6
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Min	Diaph D1 X	0.000587	0.000528	1.111	98	29.6
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Min	Diaph D1 Y	0.001984	0.001863	1.065	51	0
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Max	Diaph D1 X	0.000614	0.000546	1.124	98	29.6
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Max	Diaph D1 Y	0.0019	0.001783	1.066	100	29.6
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Min	Diaph D1 X	0.000587	0.000528	1.111	98	29.6
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Min	Diaph D1 Y	0.001984	0.001863	1.065	51	0
Story1	2.- 1.2D + 1.6L	Combination		Diaph D1 X	1.2E-05	4E-06	3.174	98	29.6
Story1	2.- 1.2D + 1.6L	Combination		Diaph D1 Y	5.7E-05	3.6E-05	1.602	51	0
Story1	8.- 0.9D - Sv + SDx	Combination	Max	Diaph D1 X	0.001684	0.001617	1.042	98	29.6
Story1	8.- 0.9D - Sv + SDx	Combination	Max	Diaph D1 Y	0.000658	0.000584	1.128	100	29.6
Story1	8.- 0.9D - Sv + SDx	Combination	Min	Diaph D1 X	0.001671	0.001613	1.036	98	29.6
Story1	8.- 0.9D - Sv + SDx	Combination	Min	Diaph D1 Y	0.000698	0.000622	1.122	51	0
Story1	12.- 0.9D - Sv + SDy	Combination	Max	Diaph D1 X	0.0006	0.000537	1.117	98	29.6
Story1	12.- 0.9D - Sv + SDy	Combination	Max	Diaph D1 Y	0.001926	0.001818	1.059	51	0
Story1	12.- 0.9D - Sv + SDy	Combination	Min	Diaph D1 X	0.000602	0.000538	1.118	98	29.6
Story1	12.- 0.9D - Sv + SDy	Combination	Min	Diaph D1 Y	0.001917	0.001812	1.058	51	0
Story1	13.- 0.9D - Sv - SDy	Combination	Max	Diaph D1 X	0.0006	0.000537	1.117	98	29.6
Story1	13.- 0.9D - Sv - SDy	Combination	Max	Diaph D1 Y	0.001926	0.001818	1.059	51	0
Story1	13.- 0.9D - Sv - SDy	Combination	Min	Diaph D1 X	0.000602	0.000538	1.118	98	29.6
Story1	13.- 0.9D - Sv - SDy	Combination	Min	Diaph D1 Y	0.001917	0.001812	1.058	51	0
Story1	14.- 0.9D - Sv - SDx	Combination	Max	Diaph D1 X	0.001684	0.001617	1.042	98	29.6
Story1	14.- 0.9D - Sv - SDx	Combination	Max	Diaph D1 Y	0.000658	0.000584	1.128	100	29.6
Story1	14.- 0.9D - Sv - SDx	Combination	Min	Diaph D1 X	0.001671	0.001613	1.036	98	29.6
Story1	14.- 0.9D - Sv - SDx	Combination	Min	Diaph D1 Y	0.000698	0.000622	1.122	51	0
Story1	1U.- D	Combination		Diaph D1 X	9E-06	3E-06	3.223	98	29.6
Story1	1U.- D	Combination		Diaph D1 Y	4.3E-05	2.6E-05	1.629	51	0
Story1	2U.- D + L	Combination		Diaph D1 X	1E-05	3E-06	3.185	98	29.6
Story1	2U.- D + L	Combination		Diaph D1 Y	4.7E-05	2.9E-05	1.608	51	0
Story1	3U.-D + L + SZ	Combination		Diaph D1 X	1.2E-05	4E-06	3.205	98	29.6
Story1	3U.-D + L + SZ	Combination		Diaph D1 Y	5.4E-05	3.4E-05	1.619	51	0
Story1	4U.-D + L + SZ + SXX + 0.30SYY	Combination		Diaph D1 X	0.001606	0.001576	1.019	98	29.6
Story1	4U.-D + L + SZ + SXX + 0.30SYY	Combination		Diaph D1 Y	0.000536	0.00046	1.165	100	29.6
Story1	5U.-D + L + SZ - SXX + 0.30SYY	Combination		Diaph D1 X	0.001582	0.001568	1.009	98	29.6
Story1	5U.-D + L + SZ - SXX + 0.30SYY	Combination		Diaph D1 Y	0.000494	0.000458	1.077	51	0
Story1	6U.-D + L + SZ + SXX - 0.30SYY	Combination		Diaph D1 X	0.001606	0.001576	1.019	98	29.6
Story1	6U.-D + L + SZ + SXX - 0.30SYY	Combination		Diaph D1 Y	0.000602	0.000525	1.146	51	0
Story1	7U.-D + L + SZ - SXX - 0.30SYY	Combination		Diaph D1 X	0.001582	0.001569	1.009	98	29.6
Story1	7U.-D + L + SZ - SXX - 0.30SYY	Combination		Diaph D1 Y	0.000561	0.000527	1.066	100	29.6
Story1	8U.-D + L + SZ + 0.30SXX + SYY	Combination		Diaph D1 X	0.00049	0.000476	1.03	98	29.6

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Story	Output Case	Case Type	Step Type	Item	Max Drift	Avg Drift	Ratio	Label	Max Loc X m
Story1	8U.-D + L + SZ + 0.30SXX + SYY	Combination		Diaph D1 Y	0.001645	0.001608	1.023	100	29.6
Story1	9U.-D + L + SZ - 0.30SXX + SYY	Combination		Diaph D1 X	0.000468	0.000467	1.002	100	29.6
Story1	9U.-D + L + SZ - 0.30SXX + SYY	Combination		Diaph D1 Y	0.001611	0.001608	1.002	100	29.6
Story1	10U.-D + L + SZ + 0.30SXX - SYY	Combination		Diaph D1 X	0.00049	0.000475	1.032	98	29.6
Story1	10U.-D + L + SZ + 0.30SXX - SYY	Combination		Diaph D1 Y	0.001714	0.001675	1.023	51	0
Story1	11U.-D + L + SZ - 0.30SXX - SYY	Combination		Diaph D1 X	0.000471	0.000469	1.004	100	29.6
Story1	11U.-D + L + SZ - 0.30SXX - SYY	Combination		Diaph D1 Y	0.001681	0.001676	1.003	51	0
Story1	12U.-0.9D - SZ + SXX + 0.30SYY	Combination		Diaph D1 X	0.001601	0.001575	1.017	98	29.6
Story1	12U.-0.9D - SZ + SXX + 0.30SYY	Combination		Diaph D1 Y	0.000541	0.000474	1.141	100	29.6
Story1	16U.-0.9D - SZ + 0.3SXX + SYY	Combination		Diaph D1 X	0.000485	0.000474	1.023	98	29.6
Story1	16U.-0.9D - SZ + 0.3SXX + SYY	Combination		Diaph D1 Y	0.00165	0.001623	1.017	100	29.6
Story1	14U.-0.9D - SZ - SXX + 0.30SYY	Combination		Diaph D1 X	0.001587	0.00157	1.011	98	29.6
Story1	14U.-0.9D - SZ - SXX + 0.30SYY	Combination		Diaph D1 Y	0.000517	0.000473	1.094	51	0
Story1	15U.-0.9D - SZ - SXX - 0.30SYY	Combination		Diaph D1 X	0.001588	0.00157	1.011	98	29.6
Story1	15U.-0.9D - SZ - SXX - 0.30SYY	Combination		Diaph D1 Y	0.000556	0.000512	1.085	100	29.6
Story1	13U.-0.9D - SZ + SXX - 0.30SYY	Combination		Diaph D1 X	0.001601	0.001574	1.017	98	29.6
Story1	13U.-0.9D - SZ + SXX - 0.30SYY	Combination		Diaph D1 Y	0.000579	0.000511	1.132	51	0
Story1	17U.-0.9D - SZ + 0.3SXX - SYY	Combination		Diaph D1 X	0.000471	0.000469	1.005	98	29.6
Story1	17U.-0.9D - SZ + 0.3SXX - SYY	Combination		Diaph D1 Y	0.001629	0.001623	1.004	51	0
Story1	18U.-0.9D - SZ + 0.3SXX - SYY	Combination		Diaph D1 X	0.000485	0.000473	1.024	98	29.6
Story1	18U.-0.9D - SZ + 0.3SXX - SYY	Combination		Diaph D1 Y	0.00169	0.001661	1.018	51	0
Story1	19U.-0.9D - SZ - 0.3SXX - SYY	Combination		Diaph D1 X	0.000472	0.00047	1.003	98	29.6
Story1	19U.-0.9D - SZ - 0.3SXX - SYY	Combination		Diaph D1 Y	0.001665	0.001661	1.002	100	29.6
Story1	DStIS1	Combination		Diaph D1 X	1.6E-05	5E-06	3.238	98	29.6
Story1	DStIS1	Combination		Diaph D1 Y	7.1E-05	4.3E-05	1.637	51	0
Story1	DStIS2	Combination		Diaph D1 X	1.4E-05	5E-06	3.195	98	29.6
Story1	DStIS2	Combination		Diaph D1 Y	6.7E-05	4.1E-05	1.613	51	0
Story1	DStIS3	Combination	Max	Diaph D1 X	0.001693	0.00162	1.045	98	29.6
Story1	DStIS3	Combination	Max	Diaph D1 Y	0.00065	0.000565	1.149	100	29.6
Story1	DStIS3	Combination	Min	Diaph D1 X	0.001663	0.001611	1.032	98	29.6
Story1	DStIS3	Combination	Min	Diaph D1 Y	0.000737	0.000652	1.13	51	0
Story1	DStIS4	Combination	Max	Diaph D1 X	0.000616	0.000547	1.125	98	29.6
Story1	DStIS4	Combination	Max	Diaph D1 Y	0.001899	0.00178	1.067	100	29.6
Story1	DStIS4	Combination	Min	Diaph D1 X	0.000585	0.000527	1.11	98	29.6
Story1	DStIS4	Combination	Min	Diaph D1 Y	0.001991	0.001868	1.066	51	0
Story1	DStIS5	Combination	Max	Diaph D1 X	0.001687	0.001618	1.042	98	29.6
Story1	DStIS5	Combination	Max	Diaph D1 Y	0.000657	0.000579	1.133	100	29.6
Story1	DStIS5	Combination	Min	Diaph D1 X	0.001669	0.001613	1.035	98	29.6
Story1	DStIS5	Combination	Min	Diaph D1 Y	0.000708	0.000629	1.124	51	0
Story1	DStIS6	Combination	Max	Diaph D1 X	0.000609	0.000543	1.122	98	29.6
Story1	DStIS6	Combination	Max	Diaph D1 Y	0.001906	0.001794	1.063	100	29.6
Story1	DStIS6	Combination	Min	Diaph D1 X	0.000592	0.000531	1.113	98	29.6
Story1	DStIS6	Combination	Min	Diaph D1 Y	0.001962	0.001846	1.063	51	0
Story1	DStIS7	Combination		Diaph D1 X	1.6E-05	5E-06	3.238	98	29.6
Story1	DStIS7	Combination		Diaph D1 Y	7.1E-05	4.3E-05	1.637	51	0
Story1	DStIS8	Combination		Diaph D1 X	1.4E-05	5E-06	3.195	98	29.6
Story1	DStIS8	Combination		Diaph D1 Y	6.7E-05	4.1E-05	1.613	51	0
Story1	DStIS9	Combination	Max	Diaph D1 X	0.001693	0.00162	1.045	98	29.6
Story1	DStIS9	Combination	Max	Diaph D1 Y	0.00065	0.000565	1.149	100	29.6
Story1	DStIS9	Combination	Min	Diaph D1 X	0.001663	0.001611	1.032	98	29.6
Story1	DStIS9	Combination	Min	Diaph D1 Y	0.000737	0.000652	1.13	51	0
Story1	DStIS10	Combination	Max	Diaph D1 X	0.000616	0.000547	1.125	98	29.6
Story1	DStIS10	Combination	Max	Diaph D1 Y	0.001899	0.00178	1.067	100	29.6
Story1	DStIS10	Combination	Min	Diaph D1 X	0.000585	0.000527	1.11	98	29.6

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Story	Output Case	Case Type	Step Type	Item	Max Drift	Avg Drift	Ratio	Label	Max Loc X m
Story1	DStIS10	Combination	Min	Diaph D1 Y	0.001991	0.001868	1.066	51	0
Story1	DStIS11	Combination	Max	Diaph D1 X	0.001687	0.001618	1.042	98	29.6
Story1	DStIS11	Combination	Max	Diaph D1 Y	0.000657	0.000579	1.133	100	29.6
Story1	DStIS11	Combination	Min	Diaph D1 X	0.001669	0.001613	1.035	98	29.6
Story1	DStIS11	Combination	Min	Diaph D1 Y	0.000708	0.000629	1.124	51	0
Story1	DStIS12	Combination	Max	Diaph D1 X	0.000609	0.000543	1.122	98	29.6
Story1	DStIS12	Combination	Max	Diaph D1 Y	0.001906	0.001794	1.063	100	29.6
Story1	DStIS12	Combination	Min	Diaph D1 X	0.000592	0.000531	1.113	98	29.6
Story1	DStIS12	Combination	Min	Diaph D1 Y	0.001962	0.001846	1.063	51	0
Story1	DStID1	Combination		Diaph D1 X	1.1E-05	3E-06	3.238	98	29.6
Story1	DStID1	Combination		Diaph D1 Y	5.1E-05	3.1E-05	1.637	51	0
Story1	DStID2	Combination		Diaph D1 X	1.2E-05	4E-06	3.205	98	29.6
Story1	DStID2	Combination		Diaph D1 Y	5.4E-05	3.4E-05	1.619	51	0
Story1	DCmpD1	Combination		Diaph D1 X	1.1E-05	3E-06	3.238	98	29.6
Story1	DCmpD1	Combination		Diaph D1 Y	5.1E-05	3.1E-05	1.637	51	0
Story1	DCmpD2	Combination		Diaph D1 X	1.2E-05	4E-06	3.205	98	29.6
Story1	DCmpD2	Combination		Diaph D1 Y	5.4E-05	3.4E-05	1.619	51	0
Story1	DCmpC1	Combination		Diaph D1 X	1.6E-05	5E-06	3.238	98	29.6
Story1	DCmpC1	Combination		Diaph D1 Y	7.1E-05	4.3E-05	1.637	51	0
Story1	DCmpC2	Combination		Diaph D1 X	1.3E-05	4E-06	3.238	98	29.6
Story1	DCmpC2	Combination		Diaph D1 Y	6.1E-05	3.7E-05	1.637	51	0
Story1	DCmpS1	Combination		Diaph D1 X	1.6E-05	5E-06	3.238	98	29.6
Story1	DCmpS1	Combination		Diaph D1 Y	7.1E-05	4.3E-05	1.637	51	0
Story1	DCmpS2	Combination		Diaph D1 X	1.4E-05	5E-06	3.195	98	29.6
Story1	DCmpS2	Combination		Diaph D1 Y	6.7E-05	4.1E-05	1.613	51	0

Table 3.4 - Diaphragm Max Over Avg Drifts (Part 2 of 2)

Story	Max Loc Y m	Max Loc Z m
Story1	0	4.7
Story1	11.6	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7

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[illegible]

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[illegible]

Story	Max Loc Y m	Max Loc Z m
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7
Story1	0	4.7
Story1	11.6	4.7

Table 3.5 - Diaphragm Accelerations (Part 1 of 2)

Story	Diaphragm	Output Case	Case Type	Step Type	Max UX m/sec2	Max UY m/sec2	Max UZ m/sec2	Max RX rad/sec2	Max RY rad/sec2	Max RZ rad/sec2
Story1	D1	SDx	LinRespSpec	Max	1.7286	0.5628	0.1118	0.071	0.205	0.017
Story1	D1	SDy	LinRespSpec	Max	0.5233	1.6615	0.3681	0.206	0.062	0.005

Table 3.5 - Diaphragm Accelerations (Part 2 of 2)

Story	Diaphragm	Min UX m/sec2	Min UY m/sec2	Min UZ m/sec2	Min RX rad/sec2	Min RY rad/sec2	Min RZ rad/sec2
Story1	D1						
Story1	D1						

Table 3.6 - Response Spectrum Modal Info

SpecCase	ModalCase	Mode	Period sec	DampRatio	U1Acc m/sec2	U2Acc m/sec2	U3Acc m/sec2	U1Amp m	U2Amp m	U3Amp m
SDx	Modal	1	0.429	0.05	1.6568	0.5016	0	0.001289	0.03957	0
SDx	Modal	2	0.42	0.05	1.6568	0.5016	0	-0.125069	0.000371	0
SDx	Modal	3	0.357	0.05	1.6568	0.5016	0	-0.007434	4.1E-05	0
SDx	Modal	4	0.002	0.05	0.6798	0.2058	0	1.701E-07	7.432E-08	0
SDx	Modal	5	0.002	0.05	0.6798	0.2058	0	2.224E-08	9.712E-09	0
SDx	Modal	6	0.002	0.05	0.6794	0.2057	0	-1.041E-07	-5.303E-08	0
SDx	Modal	7	0.002	0.05	0.6794	0.2057	0	-1.044E-07	-5.298E-08	0
SDx	Modal	8	0.002	0.05	0.6792	0.2056	0	-1.282E-07	2.781E-08	0
SDx	Modal	9	0.002	0.05	0.6792	0.2056	0	1.966E-07	-4.262E-08	0
SDx	Modal	10	0.002	0.05	0.6791	0.2056	0	1.709E-07	-3.204E-08	0
SDx	Modal	11	0.002	0.05	0.6791	0.2056	0	1.707E-07	-3.211E-08	0
SDx	Modal	12	0.002	0.05	0.6782	0.2053	0	-9.235E-08	2.652E-08	0
SDy	Modal	1	0.429	0.05	0.5016	1.6568	0	0.00039	0.1307	0
SDy	Modal	2	0.42	0.05	0.5016	1.6568	0	-0.037865	0.001226	0
SDy	Modal	3	0.357	0.05	0.5016	1.6568	0	-0.002251	0.000136	0
SDy	Modal	4	0.002	0.05	0.2058	0.6798	0	5.151E-08	2.455E-07	0
SDy	Modal	5	0.002	0.05	0.2058	0.6798	0	6.732E-09	3.208E-08	0
SDy	Modal	6	0.002	0.05	0.2057	0.6794	0	-3.152E-08	-1.752E-07	0
SDy	Modal	7	0.002	0.05	0.2057	0.6794	0	-3.16E-08	-1.75E-07	0
SDy	Modal	8	0.002	0.05	0.2056	0.6792	0	-3.882E-08	9.184E-08	0
SDy	Modal	9	0.002	0.05	0.2056	0.6792	0	5.951E-08	-1.408E-07	0
SDy	Modal	10	0.002	0.05	0.2056	0.6791	0	5.173E-08	-1.058E-07	0
SDy	Modal	11	0.002	0.05	0.2056	0.6791	0	5.168E-08	-1.061E-07	0
SDy	Modal	12	0.002	0.05	0.2053	0.6782	0	-2.796E-08	8.758E-08	0

3.2 Story Results

Table 3.7 - Story Max Over Avg Displacements

Story	Output Case	Case Type	Step Type	Direction	Maximum m	Average m	Ratio
Story1	Dead	LinStatic		X	4.4E-05	1.4E-05	3.223
Story1	Dead	LinStatic		Y	0.000201	0.000124	1.629
Story1	Live	LinStatic		Y	1.7E-05	1.2E-05	1.404
Story1	SZ	LinStatic		X	8E-06	3E-06	3.32
Story1	SZ	LinStatic		Y	3.7E-05	2.2E-05	1.685
Story1	SXX	LinStatic		X	0.007492	0.00739	1.014
Story1	SYX	LinStatic		Y	0.007722	0.007717	1.001
Story1	SDx	LinRespSpec	Max	X	0.007886	0.007592	1.039
Story1	SDx	LinRespSpec	Max	Y	0.003135	0.002814	1.114
Story1	SDy	LinRespSpec	Max	X	0.002823	0.002525	1.118
Story1	SDy	LinRespSpec	Max	Y	0.009031	0.00853	1.059
Story1	1.- 1.4D	Combination		X	6.2E-05	1.9E-05	3.223
Story1	1.- 1.4D	Combination		Y	0.000282	0.000173	1.629
Story1	3.- 1.2D + 1.6L + SZ	Combination		X	6.6E-05	2.1E-05	3.191
Story1	3.- 1.2D + 1.6L + SZ	Combination		Y	0.000306	0.00019	1.612
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Max	X	0.00795	0.007612	1.044
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Max	Y	0.003059	0.002672	1.145
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Min	X	0.007821	0.007572	1.033
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Min	Y	0.00343	0.003039	1.129
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Max	X	0.00795	0.007612	1.044
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Max	Y	0.003059	0.002672	1.145
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Min	X	0.007821	0.007572	1.033
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Min	Y	0.00343	0.003039	1.129
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Max	X	0.002887	0.002568	1.124
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Max	Y	0.008932	0.00838	1.066
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Min	X	0.002758	0.002483	1.111
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Min	Y	0.009326	0.008755	1.065
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Max	X	0.002887	0.002568	1.124
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Max	Y	0.008932	0.00838	1.066
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Min	X	0.002758	0.002483	1.111
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Min	Y	0.009326	0.008755	1.065
Story1	2.- 1.2D + 1.6L	Combination		X	5.8E-05	1.8E-05	3.174
Story1	2.- 1.2D + 1.6L	Combination		Y	0.000269	0.000168	1.602
Story1	8.- 0.9D - Sv + SDx	Combination	Max	X	0.007917	0.007602	1.042
Story1	8.- 0.9D - Sv + SDx	Combination	Max	Y	0.003094	0.002743	1.128
Story1	8.- 0.9D - Sv + SDx	Combination	Min	X	0.007854	0.007582	1.036
Story1	8.- 0.9D - Sv + SDx	Combination	Min	Y	0.00328	0.002924	1.122
Story1	12.- 0.9D - Sv + SDy	Combination	Max	X	0.002818	0.002522	1.117
Story1	12.- 0.9D - Sv + SDy	Combination	Max	Y	0.009051	0.008546	1.059
Story1	12.- 0.9D - Sv + SDy	Combination	Min	X	0.002827	0.002528	1.118
Story1	12.- 0.9D - Sv + SDy	Combination	Min	Y	0.009011	0.008515	1.058
Story1	13.- 0.9D - Sv - SDy	Combination	Max	X	0.002818	0.002522	1.117
Story1	13.- 0.9D - Sv - SDy	Combination	Max	Y	0.009051	0.008546	1.059
Story1	13.- 0.9D - Sv - SDy	Combination	Min	X	0.002827	0.002528	1.118
Story1	13.- 0.9D - Sv - SDy	Combination	Min	Y	0.009011	0.008515	1.058
Story1	14.- 0.9D - Sv - SDx	Combination	Max	X	0.007917	0.007602	1.042
Story1	14.- 0.9D - Sv - SDx	Combination	Max	Y	0.003094	0.002743	1.128
Story1	14.- 0.9D - Sv - SDx	Combination	Min	X	0.007854	0.007582	1.036
Story1	14.- 0.9D - Sv - SDx	Combination	Min	Y	0.00328	0.002924	1.122
Story1	1U.- D	Combination		X	4.4E-05	1.4E-05	3.223
Story1	1U.- D	Combination		Y	0.000201	0.000124	1.629
Story1	2U.- D + L	Combination		X	4.7E-05	1.5E-05	3.185

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Story	Output Case	Case Type	Step Type	Direction	Maximum m	Average m	Ratio
Story1	2U.-D + L	Combination		Y	0.000219	0.000136	1.608
Story1	3U.-D + L + SZ	Combination		X	5.6E-05	1.7E-05	3.205
Story1	3U.-D + L + SZ	Combination		Y	0.000255	0.000158	1.619
Story1	4U.-D + L + SZ + SXX + 0.30SYY	Combination		X	0.007548	0.007408	1.019
Story1	4U.-D + L + SZ + SXX + 0.30SYY	Combination		Y	0.002518	0.002161	1.165
Story1	5U.-D + L + SZ - SXX + 0.30SYY	Combination		X	0.007436	0.007371	1.009
Story1	5U.-D + L + SZ - SXX + 0.30SYY	Combination		Y	0.00232	0.002154	1.077
Story1	6U.-D + L + SZ + SXX - 0.30SYY	Combination		X	0.007547	0.007406	1.019
Story1	6U.-D + L + SZ + SXX - 0.30SYY	Combination		Y	0.00283	0.002469	1.146
Story1	7U.-D + L + SZ - SXX - 0.30SYY	Combination		X	0.007437	0.007373	1.009
Story1	7U.-D + L + SZ - SXX - 0.30SYY	Combination		Y	0.002638	0.002476	1.066
Story1	8U.-D + L + SZ + 0.30SXX + SYY	Combination		X	0.002305	0.002238	1.03
Story1	8U.-D + L + SZ + 0.30SXX + SYY	Combination		Y	0.007731	0.00756	1.023
Story1	9U.-D + L + SZ - 0.30SXX + SYY	Combination		X	0.002202	0.002196	1.002
Story1	9U.-D + L + SZ - 0.30SXX + SYY	Combination		Y	0.007572	0.007558	1.002
Story1	10U.-D + L + SZ + 0.30SXX - SYY	Combination		X	0.002302	0.002231	1.032
Story1	10U.-D + L + SZ + 0.30SXX - SYY	Combination		Y	0.008054	0.007873	1.023
Story1	11U.-D + L + SZ - 0.30SXX - SYY	Combination		X	0.002212	0.002203	1.004
Story1	11U.-D + L + SZ - 0.30SXX - SYY	Combination		Y	0.007899	0.007875	1.003
Story1	12U.-0.9D - SZ + SXX + 0.30SYY	Combination		X	0.007524	0.007401	1.017
Story1	12U.-0.9D - SZ + SXX + 0.30SYY	Combination		Y	0.002544	0.002229	1.141
Story1	16U.-0.9D - SZ + 0.3SXX + SYY	Combination		X	0.00228	0.00223	1.023
Story1	16U.-0.9D - SZ + 0.3SXX + SYY	Combination		Y	0.007756	0.007628	1.017
Story1	14U.-0.9D - SZ - SXX + 0.30SYY	Combination		X	0.007461	0.007379	1.011
Story1	14U.-0.9D - SZ - SXX + 0.30SYY	Combination		Y	0.00243	0.002222	1.094
Story1	15U.-0.9D - SZ - SXX - 0.30SYY	Combination		X	0.007461	0.007381	1.011
Story1	15U.-0.9D - SZ - SXX - 0.30SYY	Combination		Y	0.002613	0.002408	1.085
Story1	13U.-0.9D - SZ + SXX - 0.30SYY	Combination		X	0.007523	0.007399	1.017
Story1	13U.-0.9D - SZ + SXX - 0.30SYY	Combination		Y	0.002719	0.002401	1.132
Story1	17U.-0.9D - SZ + 0.3SXX - SYY	Combination		X	0.002215	0.002204	1.005
Story1	17U.-0.9D - SZ + 0.3SXX - SYY	Combination		Y	0.007655	0.007626	1.004
Story1	18U.-0.9D - SZ + 0.3SXX - SYY	Combination		X	0.002278	0.002223	1.024
Story1	18U.-0.9D - SZ + 0.3SXX - SYY	Combination		Y	0.007944	0.007805	1.018
Story1	19U.-0.9D - SZ - 0.3SXX - SYY	Combination		X	0.002218	0.002211	1.003
Story1	19U.-0.9D - SZ - 0.3SXX - SYY	Combination		Y	0.007825	0.007807	1.002
Story1	DStIS1	Combination		X	7.3E-05	2.3E-05	3.238
Story1	DStIS1	Combination		Y	0.000333	0.000203	1.637
Story1	DStIS2	Combination		X	6.8E-05	2.1E-05	3.195
Story1	DStIS2	Combination		Y	0.000313	0.000194	1.613
Story1	DStIS3	Combination	Max	X	0.007957	0.007614	1.045
Story1	DStIS3	Combination	Max	Y	0.003053	0.002658	1.149
Story1	DStIS3	Combination	Min	X	0.007814	0.00757	1.032
Story1	DStIS3	Combination	Min	Y	0.003462	0.003062	1.13
Story1	DStIS4	Combination	Max	X	0.002894	0.002572	1.125
Story1	DStIS4	Combination	Max	Y	0.008925	0.008366	1.067
Story1	DStIS4	Combination	Min	X	0.002751	0.002479	1.11
Story1	DStIS4	Combination	Min	Y	0.009357	0.008779	1.066
Story1	DStIS5	Combination	Max	X	0.007928	0.007605	1.042
Story1	DStIS5	Combination	Max	Y	0.003087	0.002723	1.133
Story1	DStIS5	Combination	Min	X	0.007844	0.007579	1.035
Story1	DStIS5	Combination	Min	Y	0.003325	0.002958	1.124
Story1	DStIS6	Combination	Max	X	0.002865	0.002553	1.122
Story1	DStIS6	Combination	Max	Y	0.008959	0.008431	1.063
Story1	DStIS6	Combination	Min	X	0.002781	0.002498	1.113
Story1	DStIS6	Combination	Min	Y	0.009221	0.008674	1.063
Story1	DStIS7	Combination		X	7.3E-05	2.3E-05	3.238

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Story	Output Case	Case Type	Step Type	Direction	Maximum m	Average m	Ratio
Story1	DStIS7	Combination		Y	0.000333	0.000203	1.637
Story1	DStIS8	Combination		X	6.8E-05	2.1E-05	3.195
Story1	DStIS8	Combination		Y	0.000313	0.000194	1.613
Story1	DStIS9	Combination	Max	X	0.007957	0.007614	1.045
Story1	DStIS9	Combination	Max	Y	0.003053	0.002658	1.149
Story1	DStIS9	Combination	Min	X	0.007814	0.00757	1.032
Story1	DStIS9	Combination	Min	Y	0.003462	0.003062	1.13
Story1	DStIS10	Combination	Max	X	0.002894	0.002572	1.125
Story1	DStIS10	Combination	Max	Y	0.008925	0.008366	1.067
Story1	DStIS10	Combination	Min	X	0.002751	0.002479	1.11
Story1	DStIS10	Combination	Min	Y	0.009357	0.008779	1.066
Story1	DStIS11	Combination	Max	X	0.007928	0.007605	1.042
Story1	DStIS11	Combination	Max	Y	0.003087	0.002723	1.133
Story1	DStIS11	Combination	Min	X	0.007844	0.007579	1.035
Story1	DStIS11	Combination	Min	Y	0.003325	0.002958	1.124
Story1	DStIS12	Combination	Max	X	0.002865	0.002553	1.122
Story1	DStIS12	Combination	Max	Y	0.008959	0.008431	1.063
Story1	DStIS12	Combination	Min	X	0.002781	0.002498	1.113
Story1	DStIS12	Combination	Min	Y	0.009221	0.008674	1.063
Story1	DStID1	Combination		X	5.2E-05	1.6E-05	3.238
Story1	DStID1	Combination		Y	0.000238	0.000145	1.637
Story1	DStID2	Combination		X	5.6E-05	1.7E-05	3.205
Story1	DStID2	Combination		Y	0.000255	0.000158	1.619
Story1	DCmpD1	Combination		X	5.2E-05	1.6E-05	3.238
Story1	DCmpD1	Combination		Y	0.000238	0.000145	1.637
Story1	DCmpD2	Combination		X	5.6E-05	1.7E-05	3.205
Story1	DCmpD2	Combination		Y	0.000255	0.000158	1.619
Story1	DCmpC1	Combination		X	7.3E-05	2.3E-05	3.238
Story1	DCmpC1	Combination		Y	0.000333	0.000203	1.637
Story1	DCmpC2	Combination		X	6.3E-05	1.9E-05	3.238
Story1	DCmpC2	Combination		Y	0.000285	0.000174	1.637
Story1	DCmpS1	Combination		X	7.3E-05	2.3E-05	3.238
Story1	DCmpS1	Combination		Y	0.000333	0.000203	1.637
Story1	DCmpS2	Combination		X	6.8E-05	2.1E-05	3.195
Story1	DCmpS2	Combination		Y	0.000313	0.000194	1.613

Table 3.8 - Story Drifts

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Story1	Dead	LinStatic		X	9E-06	98	29.6	0	4.7
Story1	Dead	LinStatic		Y	4.3E-05	51	0	11.6	4.7
Story1	Live	LinStatic		Y	4E-06	51	0	11.6	4.7
Story1	SZ	LinStatic		X	2E-06	98	29.6	0	4.7
Story1	SZ	LinStatic		Y	8E-06	51	0	11.6	4.7
Story1	SXX	LinStatic		X	0.001594	98	29.6	0	4.7
Story1	SYX	LinStatic		Y	0.001643	51	0	11.6	4.7
Story1	SDx	LinRespSpec	Max	X	0.001678	98	29.6	0	4.7
Story1	SDx	LinRespSpec	Max	Y	0.000667	51	0	11.6	4.7
Story1	SDy	LinRespSpec	Max	X	0.000601	98	29.6	0	4.7
Story1	SDy	LinRespSpec	Max	Y	0.001921	51	0	11.6	4.7
Story1	1.- 1.4D	Combination		X	1.3E-05	98	29.6	0	4.7
Story1	1.- 1.4D	Combination		Y	6E-05	51	0	11.6	4.7
Story1	3.- 1.2D + 1.6L + SZ	Combination		X	1.4E-05	98	29.6	0	4.7
Story1	3.- 1.2D + 1.6L + SZ	Combination		Y	6.5E-05	51	0	11.6	4.7
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Max	X	0.001691	98	29.6	0	4.7

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Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Max	Y	0.000651	100	29.6	11.6	4.7
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Min	X	0.001664	98	29.6	0	4.7
Story1	4.- 1.2D+ Sv + L + SDx	Combination	Min	Y	0.00073	51	0	11.6	4.7
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Max	X	0.001691	98	29.6	0	4.7
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Max	Y	0.000651	100	29.6	11.6	4.7
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Min	X	0.001664	98	29.6	0	4.7
Story1	5.- 1.2D+ Sv + L - SDx	Combination	Min	Y	0.00073	51	0	11.6	4.7
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Max	X	0.000614	98	29.6	0	4.7
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Max	Y	0.0019	100	29.6	11.6	4.7
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Min	X	0.000587	98	29.6	0	4.7
Story1	6.- 1.2D+ Sv + L + SDy	Combination	Min	Y	0.001984	51	0	11.6	4.7
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Max	X	0.000614	98	29.6	0	4.7
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Max	Y	0.0019	100	29.6	11.6	4.7
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Min	X	0.000587	98	29.6	0	4.7
Story1	7.- 1.2D+ Sv + L - SDy	Combination	Min	Y	0.001984	51	0	11.6	4.7
Story1	2.- 1.2D + 1.6L	Combination		X	1.2E-05	98	29.6	0	4.7
Story1	2.- 1.2D + 1.6L	Combination		Y	5.7E-05	51	0	11.6	4.7
Story1	8.- 0.9D - Sv + SDx	Combination	Max	X	0.001684	98	29.6	0	4.7
Story1	8.- 0.9D - Sv + SDx	Combination	Max	Y	0.000658	100	29.6	11.6	4.7
Story1	8.- 0.9D - Sv + SDx	Combination	Min	X	0.001671	98	29.6	0	4.7
Story1	8.- 0.9D - Sv + SDx	Combination	Min	Y	0.000698	51	0	11.6	4.7
Story1	12.- 0.9D - Sv + SDy	Combination	Max	X	0.0006	98	29.6	0	4.7
Story1	12.- 0.9D - Sv + SDy	Combination	Max	Y	0.001926	51	0	11.6	4.7
Story1	12.- 0.9D - Sv + SDy	Combination	Min	X	0.000602	98	29.6	0	4.7
Story1	12.- 0.9D - Sv + SDy	Combination	Min	Y	0.001917	51	0	11.6	4.7
Story1	13.- 0.9D - Sv - SDy	Combination	Max	X	0.0006	98	29.6	0	4.7
Story1	13.- 0.9D - Sv - SDy	Combination	Max	Y	0.001926	51	0	11.6	4.7
Story1	13.- 0.9D - Sv - SDy	Combination	Min	X	0.000602	98	29.6	0	4.7
Story1	13.- 0.9D - Sv - SDy	Combination	Min	Y	0.001917	51	0	11.6	4.7
Story1	14.- 0.9D - Sv - SDx	Combination	Max	X	0.001684	98	29.6	0	4.7
Story1	14.- 0.9D - Sv - SDx	Combination	Max	Y	0.000658	100	29.6	11.6	4.7
Story1	14.- 0.9D - Sv - SDx	Combination	Min	X	0.001671	98	29.6	0	4.7
Story1	14.- 0.9D - Sv - SDx	Combination	Min	Y	0.000698	51	0	11.6	4.7
Story1	1U.- D	Combination		X	9E-06	98	29.6	0	4.7
Story1	1U.- D	Combination		Y	4.3E-05	51	0	11.6	4.7
Story1	2U.- D + L	Combination		X	1E-05	98	29.6	0	4.7
Story1	2U.- D + L	Combination		Y	4.7E-05	51	0	11.6	4.7
Story1	3U.-D + L + SZ	Combination		X	1.2E-05	98	29.6	0	4.7
Story1	3U.-D + L + SZ	Combination		Y	5.4E-05	51	0	11.6	4.7
Story1	4U.-D + L + SZ + SXX + 0.30SYY	Combination		X	0.001606	98	29.6	0	4.7
Story1	4U.-D + L + SZ + SXX + 0.30SYY	Combination		Y	0.000536	100	29.6	11.6	4.7
Story1	5U.-D + L + SZ - SXX + 0.30SYY	Combination		X	0.001582	98	29.6	0	4.7
Story1	5U.-D + L + SZ - SXX + 0.30SYY	Combination		Y	0.000494	51	0	11.6	4.7
Story1	6U.-D + L + SZ + SXX - 0.30SYY	Combination		X	0.001606	98	29.6	0	4.7
Story1	6U.-D + L + SZ + SXX - 0.30SYY	Combination		Y	0.000602	51	0	11.6	4.7
Story1	7U.-D + L + SZ - SXX - 0.30SYY	Combination		X	0.001582	98	29.6	0	4.7
Story1	7U.-D + L + SZ - SXX - 0.30SYY	Combination		Y	0.000561	100	29.6	11.6	4.7
Story1	8U.-D + L + SZ + 0.30SXX + SYY	Combination		X	0.00049	98	29.6	0	4.7
Story1	8U.-D + L + SZ + 0.30SXX + SYY	Combination		Y	0.001645	100	29.6	11.6	4.7
Story1	9U.-D + L + SZ - 0.30SXX + SYY	Combination		X	0.000468	100	29.6	11.6	4.7
Story1	9U.-D + L + SZ - 0.30SXX + SYY	Combination		Y	0.001611	100	29.6	11.6	4.7
Story1	10U.-D + L + SZ + 0.30SXX - SYY	Combination		X	0.00049	98	29.6	0	4.7
Story1	10U.-D + L + SZ + 0.30SXX - SYY	Combination		Y	0.001714	51	0	11.6	4.7
Story1	11U.-D + L + SZ - 0.30SXX - SYY	Combination		X	0.000471	100	29.6	11.6	4.7
Story1	11U.-D + L + SZ - 0.30SXX - SYY	Combination		Y	0.001681	51	0	11.6	4.7
Story1	12U.-0.9D - SZ + SXX + 0.30SYY	Combination		X	0.001601	98	29.6	0	4.7

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Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Story1	12U.-0.9D - SZ + SXX + 0.30SYY	Combination		Y	0.000541	100	29.6	11.6	4.7
Story1	16U.-0.9D - SZ + 0.3SXX + SYY	Combination		X	0.000485	98	29.6	0	4.7
Story1	16U.-0.9D - SZ + 0.3SXX + SYY	Combination		Y	0.00165	100	29.6	11.6	4.7
Story1	14U.-0.9D - SZ - SXX + 0.30SYY	Combination		X	0.001587	98	29.6	0	4.7
Story1	14U.-0.9D - SZ - SXX + 0.30SYY	Combination		Y	0.000517	51	0	11.6	4.7
Story1	15U.-0.9D - SZ - SXX - 0.30SYY	Combination		X	0.001588	98	29.6	0	4.7
Story1	15U.-0.9D - SZ - SXX - 0.30SYY	Combination		Y	0.000556	100	29.6	11.6	4.7
Story1	13U.-0.9D - SZ + SXX - 0.30SYY	Combination		X	0.001601	98	29.6	0	4.7
Story1	13U.-0.9D - SZ + SXX - 0.30SYY	Combination		Y	0.000579	51	0	11.6	4.7
Story1	17U.-0.9D - SZ + 0.3SXX - SYY	Combination		X	0.000471	98	29.6	0	4.7
Story1	17U.-0.9D - SZ + 0.3SXX - SYY	Combination		Y	0.001629	51	0	11.6	4.7
Story1	18U.-0.9D - SZ + 0.3SXX - SYY	Combination		X	0.000485	98	29.6	0	4.7
Story1	18U.-0.9D - SZ + 0.3SXX - SYY	Combination		Y	0.00169	51	0	11.6	4.7
Story1	19U.-0.9D - SZ - 0.3SXX - SYY	Combination		X	0.000472	98	29.6	0	4.7
Story1	19U.-0.9D - SZ - 0.3SXX - SYY	Combination		Y	0.001665	100	29.6	11.6	4.7
Story1	DStIS1	Combination		X	1.6E-05	98	29.6	0	4.7
Story1	DStIS1	Combination		Y	7.1E-05	51	0	11.6	4.7
Story1	DStIS2	Combination		X	1.4E-05	98	29.6	0	4.7
Story1	DStIS2	Combination		Y	6.7E-05	51	0	11.6	4.7
Story1	DStIS3	Combination	Max	X	0.001693	98	29.6	0	4.7
Story1	DStIS3	Combination	Max	Y	0.00065	100	29.6	11.6	4.7
Story1	DStIS3	Combination	Min	X	0.001663	98	29.6	0	4.7
Story1	DStIS3	Combination	Min	Y	0.000737	51	0	11.6	4.7
Story1	DStIS4	Combination	Max	X	0.000616	98	29.6	0	4.7
Story1	DStIS4	Combination	Max	Y	0.001899	100	29.6	11.6	4.7
Story1	DStIS4	Combination	Min	X	0.000585	98	29.6	0	4.7
Story1	DStIS4	Combination	Min	Y	0.001991	51	0	11.6	4.7
Story1	DStIS5	Combination	Max	X	0.001687	98	29.6	0	4.7
Story1	DStIS5	Combination	Max	Y	0.000657	100	29.6	11.6	4.7
Story1	DStIS5	Combination	Min	X	0.001669	98	29.6	0	4.7
Story1	DStIS5	Combination	Min	Y	0.000708	51	0	11.6	4.7
Story1	DStIS6	Combination	Max	X	0.000609	98	29.6	0	4.7
Story1	DStIS6	Combination	Max	Y	0.001906	100	29.6	11.6	4.7
Story1	DStIS6	Combination	Min	X	0.000592	98	29.6	0	4.7
Story1	DStIS6	Combination	Min	Y	0.001962	51	0	11.6	4.7
Story1	DStIS7	Combination		X	1.6E-05	98	29.6	0	4.7
Story1	DStIS7	Combination		Y	7.1E-05	51	0	11.6	4.7
Story1	DStIS8	Combination		X	1.4E-05	98	29.6	0	4.7
Story1	DStIS8	Combination		Y	6.7E-05	51	0	11.6	4.7
Story1	DStIS9	Combination	Max	X	0.001693	98	29.6	0	4.7
Story1	DStIS9	Combination	Max	Y	0.00065	100	29.6	11.6	4.7
Story1	DStIS9	Combination	Min	X	0.001663	98	29.6	0	4.7
Story1	DStIS9	Combination	Min	Y	0.000737	51	0	11.6	4.7
Story1	DStIS10	Combination	Max	X	0.000616	98	29.6	0	4.7
Story1	DStIS10	Combination	Max	Y	0.001899	100	29.6	11.6	4.7
Story1	DStIS10	Combination	Min	X	0.000585	98	29.6	0	4.7
Story1	DStIS10	Combination	Min	Y	0.001991	51	0	11.6	4.7
Story1	DStIS11	Combination	Max	X	0.001687	98	29.6	0	4.7
Story1	DStIS11	Combination	Max	Y	0.000657	100	29.6	11.6	4.7
Story1	DStIS11	Combination	Min	X	0.001669	98	29.6	0	4.7
Story1	DStIS11	Combination	Min	Y	0.000708	51	0	11.6	4.7
Story1	DStIS12	Combination	Max	X	0.000609	98	29.6	0	4.7
Story1	DStIS12	Combination	Max	Y	0.001906	100	29.6	11.6	4.7
Story1	DStIS12	Combination	Min	X	0.000592	98	29.6	0	4.7
Story1	DStIS12	Combination	Min	Y	0.001962	51	0	11.6	4.7
Story1	DStID1	Combination		X	1.1E-05	98	29.6	0	4.7

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Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
Story1	DStID1	Combination		Y	5.1E-05	51	0	11.6	4.7
Story1	DStID2	Combination		X	1.2E-05	98	29.6	0	4.7
Story1	DStID2	Combination		Y	5.4E-05	51	0	11.6	4.7
Story1	DCmpD1	Combination		X	1.1E-05	98	29.6	0	4.7
Story1	DCmpD1	Combination		Y	5.1E-05	51	0	11.6	4.7
Story1	DCmpD2	Combination		X	1.2E-05	98	29.6	0	4.7
Story1	DCmpD2	Combination		Y	5.4E-05	51	0	11.6	4.7
Story1	DCmpC1	Combination		X	1.6E-05	98	29.6	0	4.7
Story1	DCmpC1	Combination		Y	7.1E-05	51	0	11.6	4.7
Story1	DCmpC2	Combination		X	1.3E-05	98	29.6	0	4.7
Story1	DCmpC2	Combination		Y	6.1E-05	51	0	11.6	4.7
Story1	DCmpS1	Combination		X	1.6E-05	98	29.6	0	4.7
Story1	DCmpS1	Combination		Y	7.1E-05	51	0	11.6	4.7
Story1	DCmpS2	Combination		X	1.4E-05	98	29.6	0	4.7
Story1	DCmpS2	Combination		Y	6.7E-05	51	0	11.6	4.7

Table 3.9 - Story Forces (Part 1 of 2)

Story	Location	Output Case	Case Type	Step Type	P kgf	VX kgf	VY kgf	T kgf-m
Story1	Top	Dead	LinStatic		263293.01	0	0	0
Story1	Bottom	Dead	LinStatic		295816.89	0	0	0
Story1	Top	Live	LinStatic		35776	0	0	0
Story1	Bottom	Live	LinStatic		35776	0	0	0
Story1	Top	SZ	LinStatic		42183.02	0	0	0
Story1	Bottom	SZ	LinStatic		49338.28	0	0	0
Story1	Top	SXX	LinStatic		0	-48422.16	0	265838.36
Story1	Bottom	SXX	LinStatic		0	-48422.16	0	265838.36
Story1	Top	SYX	LinStatic		0	0	-48422.16	-716647.95
Story1	Bottom	SYX	LinStatic		0	0	-48422.16	-716647.95
Story1	Top	SDx	LinRespSpec	Max	0	48202.09	14665.47	356547.84
Story1	Bottom	SDx	LinRespSpec	Max	0	48202.09	14665.47	356547.84
Story1	Top	SDy	LinRespSpec	Max	0	14593.91	48438.45	791621.15
Story1	Bottom	SDy	LinRespSpec	Max	0	14593.91	48438.45	791621.15
Story1	Top	1.- 1.4D	Combination		368610.21	0	0	0
Story1	Bottom	1.- 1.4D	Combination		414143.65	0	0	0
Story1	Top	3.- 1.2D + 1.6L + SZ	Combination		415376.23	0	0	0
Story1	Bottom	3.- 1.2D + 1.6L + SZ	Combination		461560.15	0	0	0
Story1	Top	4.- 1.2D+ Sv + L + SDx	Combination	Max	393910.63	48202.09	14665.47	356547.84
Story1	Bottom	4.- 1.2D+ Sv + L + SDx	Combination	Max	440094.55	48202.09	14665.47	356547.84
Story1	Top	4.- 1.2D+ Sv + L + SDx	Combination	Min	393910.63	-48202.09	-14665.47	-356547.84
Story1	Bottom	4.- 1.2D+ Sv + L + SDx	Combination	Min	440094.55	-48202.09	-14665.47	-356547.84
Story1	Top	5.- 1.2D+ Sv + L - SDx	Combination	Max	393910.63	48202.09	14665.47	356547.84
Story1	Bottom	5.- 1.2D+ Sv + L - SDx	Combination	Max	440094.55	48202.09	14665.47	356547.84
Story1	Top	5.- 1.2D+ Sv + L - SDx	Combination	Min	393910.63	-48202.09	-14665.47	-356547.84
Story1	Bottom	5.- 1.2D+ Sv + L - SDx	Combination	Min	440094.55	-48202.09	-14665.47	-356547.84
Story1	Top	6.- 1.2D+ Sv + L + SDy	Combination	Max	393910.63	14593.91	48438.45	791621.15
Story1	Bottom	6.- 1.2D+ Sv + L + SDy	Combination	Max	440094.55	14593.91	48438.45	791621.15
Story1	Top	6.- 1.2D+ Sv + L + SDy	Combination	Min	393910.63	-14593.91	-48438.45	-791621.15
Story1	Bottom	6.- 1.2D+ Sv + L + SDy	Combination	Min	440094.55	-14593.91	-48438.45	-791621.15
Story1	Top	7.- 1.2D+ Sv + L - SDy	Combination	Max	393910.63	14593.91	48438.45	791621.15
Story1	Bottom	7.- 1.2D+ Sv + L - SDy	Combination	Max	440094.55	14593.91	48438.45	791621.15
Story1	Top	7.- 1.2D+ Sv + L - SDy	Combination	Min	393910.63	-14593.91	-48438.45	-791621.15
Story1	Bottom	7.- 1.2D+ Sv + L - SDy	Combination	Min	440094.55	-14593.91	-48438.45	-791621.15
Story1	Top	2.- 1.2D + 1.6L	Combination		373193.21	0	0	0
Story1	Bottom	2.- 1.2D + 1.6L	Combination		412221.87	0	0	0

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Story	Location	Output Case	Case Type	Step Type	P kgf	VX kgf	VY kgf	T kgf-m
Story1	Top	8.- 0.9D - Sv + SDx	Combination	Max	194780.68	48202.09	14665.47	356547.84
Story1	Bottom	8.- 0.9D - Sv + SDx	Combination	Max	216896.93	48202.09	14665.47	356547.84
Story1	Top	8.- 0.9D - Sv + SDx	Combination	Min	194780.68	-48202.09	-14665.47	-356547.84
Story1	Bottom	8.- 0.9D - Sv + SDx	Combination	Min	216896.93	-48202.09	-14665.47	-356547.84
Story1	Top	12.- 0.9D - Sv + SDy	Combination	Max	-26329.3	14593.91	48438.45	791621.15
Story1	Bottom	12.- 0.9D - Sv + SDy	Combination	Max	-29581.69	14593.91	48438.45	791621.15
Story1	Top	12.- 0.9D - Sv + SDy	Combination	Min	-26329.3	-14593.91	-48438.45	-791621.15
Story1	Bottom	12.- 0.9D - Sv + SDy	Combination	Min	-29581.69	-14593.91	-48438.45	-791621.15
Story1	Top	13.- 0.9D - Sv - SDy	Combination	Max	-26329.3	14593.91	48438.45	791621.15
Story1	Bottom	13.- 0.9D - Sv - SDy	Combination	Max	-29581.69	14593.91	48438.45	791621.15
Story1	Top	13.- 0.9D - Sv - SDy	Combination	Min	-26329.3	-14593.91	-48438.45	-791621.15
Story1	Bottom	13.- 0.9D - Sv - SDy	Combination	Min	-29581.69	-14593.91	-48438.45	-791621.15
Story1	Top	14.- 0.9D - Sv - SDx	Combination	Max	194780.68	48202.09	14665.47	356547.84
Story1	Bottom	14.- 0.9D - Sv - SDx	Combination	Max	216896.93	48202.09	14665.47	356547.84
Story1	Top	14.- 0.9D - Sv - SDx	Combination	Min	194780.68	-48202.09	-14665.47	-356547.84
Story1	Bottom	14.- 0.9D - Sv - SDx	Combination	Min	216896.93	-48202.09	-14665.47	-356547.84
Story1	Top	1U.- D	Combination		263293.01	0	0	0
Story1	Bottom	1U.- D	Combination		295816.89	0	0	0
Story1	Top	2U.- D + L	Combination		299069.01	0	0	0
Story1	Bottom	2U.- D + L	Combination		331592.89	0	0	0
Story1	Top	3U.-D + L + SZ	Combination		341252.03	0	0	0
Story1	Bottom	3U.-D + L + SZ	Combination		380931.17	0	0	0
Story1	Top	4U.-D + L + SZ + SXX + 0.30SYY	Combination		341252.03	-48422.16	-14526.65	50843.98
Story1	Bottom	4U.-D + L + SZ + SXX + 0.30SYY	Combination		380931.17	-48422.16	-14526.65	50843.98
Story1	Top	5U.-D + L + SZ - SXX + 0.30SYY	Combination		341252.03	48422.16	-14526.65	-480832.75
Story1	Bottom	5U.-D + L + SZ - SXX + 0.30SYY	Combination		380931.17	48422.16	-14526.65	-480832.75
Story1	Top	6U.-D + L + SZ + SXX - 0.30SYY	Combination		341252.03	-48422.16	14526.65	480832.75
Story1	Bottom	6U.-D + L + SZ + SXX - 0.30SYY	Combination		380931.17	-48422.16	14526.65	480832.75
Story1	Top	7U.-D + L + SZ - SXX - 0.30SYY	Combination		341252.03	48422.16	14526.65	-50843.98
Story1	Bottom	7U.-D + L + SZ - SXX - 0.30SYY	Combination		380931.17	48422.16	14526.65	-50843.98
Story1	Top	8U.-D + L + SZ + 0.30SXX + SYY	Combination		341252.03	-14526.65	-48422.16	-636896.44
Story1	Bottom	8U.-D + L + SZ + 0.30SXX + SYY	Combination		380931.17	-14526.65	-48422.16	-636896.44
Story1	Top	9U.-D + L + SZ - 0.30SXX + SYY	Combination		341252.03	14526.65	-48422.16	-796399.46
Story1	Bottom	9U.-D + L + SZ - 0.30SXX + SYY	Combination		380931.17	14526.65	-48422.16	-796399.46
Story1	Top	10U.-D + L + SZ + 0.30SXX - SYY	Combination		341252.03	-14526.65	48422.16	796399.46
Story1	Bottom	10U.-D + L + SZ + 0.30SXX - SYY	Combination		380931.17	-14526.65	48422.16	796399.46
Story1	Top	11U.-D + L + SZ - 0.30SXX - SYY	Combination		341252.03	14526.65	48422.16	636896.44
Story1	Bottom	11U.-D + L + SZ - 0.30SXX - SYY	Combination		380931.17	14526.65	48422.16	636896.44
Story1	Top	12U.-0.9D - SZ + SXX + 0.30SYY	Combination		194780.68	-48422.16	-14526.65	50843.98
Story1	Bottom	12U.-0.9D - SZ + SXX + 0.30SYY	Combination		216896.93	-48422.16	-14526.65	50843.98
Story1	Top	16U.-0.9D - SZ + 0.3SXX + SYY	Combination		194780.68	-14526.65	-48422.16	-636896.44
Story1	Bottom	16U.-0.9D - SZ + 0.3SXX + SYY	Combination		216896.93	-14526.65	-48422.16	-636896.44
Story1	Top	14U.-0.9D - SZ - SXX + 0.30SYY	Combination		194780.68	48422.16	-14526.65	-480832.75
Story1	Bottom	14U.-0.9D - SZ - SXX + 0.30SYY	Combination		216896.93	48422.16	-14526.65	-480832.75
Story1	Top	15U.-0.9D - SZ - SXX - 0.30SYY	Combination		194780.68	48422.16	14526.65	-50843.98
Story1	Bottom	15U.-0.9D - SZ - SXX - 0.30SYY	Combination		216896.93	48422.16	14526.65	-50843.98
Story1	Top	13U.-0.9D - SZ + SXX - 0.30SYY	Combination		194780.68	-48422.16	14526.65	480832.75
Story1	Bottom	13U.-0.9D - SZ + SXX - 0.30SYY	Combination		216896.93	-48422.16	14526.65	480832.75
Story1	Top	17U.-0.9D - SZ + 0.3SXX - SYY	Combination		194780.68	14526.65	-48422.16	-796399.46
Story1	Bottom	17U.-0.9D - SZ + 0.3SXX - SYY	Combination		216896.93	14526.65	-48422.16	-796399.46
Story1	Top	18U.-0.9D - SZ + 0.3SXX - SYY	Combination		194780.68	-14526.65	48422.16	796399.46
Story1	Bottom	18U.-0.9D - SZ + 0.3SXX - SYY	Combination		216896.93	-14526.65	48422.16	796399.46
Story1	Top	19U.-0.9D - SZ - 0.3SXX - SYY	Combination		194780.68	14526.65	48422.16	636896.44
Story1	Bottom	19U.-0.9D - SZ - 0.3SXX - SYY	Combination		216896.93	14526.65	48422.16	636896.44
Story1	Top	DSIS1	Combination		427666.44	0	0	0
Story1	Bottom	DSIS1	Combination		483217.24	0	0	0

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Story	Location	Output Case	Case Type	Step Type	P kgf	VX kgf	VY kgf	T kgf-m
Story1	Top	DStIS2	Combination		423812.83	0	0	0
Story1	Bottom	DStIS2	Combination		471427.8	0	0	0
Story1	Top	DStIS3	Combination	Max	432894.84	48202.09	14665.47	356547.84
Story1	Bottom	DStIS3	Combination	Max	484477.72	48202.09	14665.47	356547.84
Story1	Top	DStIS3	Combination	Min	432894.84	-48202.09	-14665.47	-356547.84
Story1	Bottom	DStIS3	Combination	Min	484477.72	-48202.09	-14665.47	-356547.84
Story1	Top	DStIS4	Combination	Max	432894.84	14593.91	48438.45	791621.15
Story1	Bottom	DStIS4	Combination	Max	484477.72	14593.91	48438.45	791621.15
Story1	Top	DStIS4	Combination	Min	432894.84	-14593.91	-48438.45	-791621.15
Story1	Bottom	DStIS4	Combination	Min	484477.72	-14593.91	-48438.45	-791621.15
Story1	Top	DStIS5	Combination	Max	244380.82	48202.09	14665.47	356547.84
Story1	Bottom	DStIS5	Combination	Max	276124.14	48202.09	14665.47	356547.84
Story1	Top	DStIS5	Combination	Min	244380.82	-48202.09	-14665.47	-356547.84
Story1	Bottom	DStIS5	Combination	Min	276124.14	-48202.09	-14665.47	-356547.84
Story1	Top	DStIS6	Combination	Max	244380.82	14593.91	48438.45	791621.15
Story1	Bottom	DStIS6	Combination	Max	276124.14	14593.91	48438.45	791621.15
Story1	Top	DStIS6	Combination	Min	244380.82	-14593.91	-48438.45	-791621.15
Story1	Bottom	DStIS6	Combination	Min	276124.14	-14593.91	-48438.45	-791621.15
Story1	Top	DStIS7	Combination		427666.44	0	0	0
Story1	Bottom	DStIS7	Combination		483217.24	0	0	0
Story1	Top	DStIS8	Combination		423812.83	0	0	0
Story1	Bottom	DStIS8	Combination		471427.8	0	0	0
Story1	Top	DStIS9	Combination	Max	432894.84	48202.09	14665.47	356547.84
Story1	Bottom	DStIS9	Combination	Max	484477.72	48202.09	14665.47	356547.84
Story1	Top	DStIS9	Combination	Min	432894.84	-48202.09	-14665.47	-356547.84
Story1	Bottom	DStIS9	Combination	Min	484477.72	-48202.09	-14665.47	-356547.84
Story1	Top	DStIS10	Combination	Max	432894.84	14593.91	48438.45	791621.15
Story1	Bottom	DStIS10	Combination	Max	484477.72	14593.91	48438.45	791621.15
Story1	Top	DStIS10	Combination	Min	432894.84	-14593.91	-48438.45	-791621.15
Story1	Bottom	DStIS10	Combination	Min	484477.72	-14593.91	-48438.45	-791621.15
Story1	Top	DStIS11	Combination	Max	244380.82	48202.09	14665.47	356547.84
Story1	Bottom	DStIS11	Combination	Max	276124.14	48202.09	14665.47	356547.84
Story1	Top	DStIS11	Combination	Min	244380.82	-48202.09	-14665.47	-356547.84
Story1	Bottom	DStIS11	Combination	Min	276124.14	-48202.09	-14665.47	-356547.84
Story1	Top	DStIS12	Combination	Max	244380.82	14593.91	48438.45	791621.15
Story1	Bottom	DStIS12	Combination	Max	276124.14	14593.91	48438.45	791621.15
Story1	Top	DStIS12	Combination	Min	244380.82	-14593.91	-48438.45	-791621.15
Story1	Bottom	DStIS12	Combination	Min	276124.14	-14593.91	-48438.45	-791621.15
Story1	Top	DStID1	Combination		305476.03	0	0	0
Story1	Bottom	DStID1	Combination		345155.17	0	0	0
Story1	Top	DStID2	Combination		341252.03	0	0	0
Story1	Bottom	DStID2	Combination		380931.17	0	0	0
Story1	Top	DCmpD1	Combination		305476.03	0	0	0
Story1	Bottom	DCmpD1	Combination		345155.17	0	0	0
Story1	Top	DCmpD2	Combination		341252.03	0	0	0
Story1	Bottom	DCmpD2	Combination		380931.17	0	0	0
Story1	Top	DCmpC1	Combination		427666.44	0	0	0
Story1	Bottom	DCmpC1	Combination		483217.24	0	0	0
Story1	Top	DCmpC2	Combination		366571.23	0	0	0
Story1	Bottom	DCmpC2	Combination		414186.2	0	0	0
Story1	Top	DCmpS1	Combination		427666.44	0	0	0
Story1	Bottom	DCmpS1	Combination		483217.24	0	0	0
Story1	Top	DCmpS2	Combination		423812.83	0	0	0
Story1	Bottom	DCmpS2	Combination		471427.8	0	0	0

Table 3.9 - Story Forces (Part 2 of 2)

Story	Location	MX kgf-m	MY kgf-m
Story1	Top	1440110.54	-3896736.49
Story1	Bottom	1628705.44	-4378095.44
Story1	Top	197708.8	-529484.8
Story1	Bottom	197704.43	-529485.24
Story1	Top	229832.45	-624308.72
Story1	Bottom	271325.25	-730207.49
Story1	Top	0	0
Story1	Bottom	1.16	-230197.28
Story1	Top	0	0
Story1	Bottom	230310.83	-1.16
Story1	Top	0	0
Story1	Bottom	69753.6	229158.73
Story1	Top	0	0
Story1	Bottom	230388.5	69389.15
Story1	Top	2016154.76	-5455431.09
Story1	Bottom	2280187.61	-6129333.61
Story1	Top	2274299.18	-6147568.18
Story1	Bottom	2542098.86	-6831098.4
Story1	Top	2155673.9	-5829877.3
Story1	Bottom	2493229.8	-6284248.53
Story1	Top	2155673.9	-5829877.3
Story1	Bottom	2353722.6	-6742565.99
Story1	Top	2155673.9	-5829877.3
Story1	Bottom	2493229.8	-6284248.53
Story1	Top	2155673.9	-5829877.3
Story1	Bottom	2353722.6	-6742565.99
Story1	Top	2155673.9	-5829877.3
Story1	Bottom	2653864.7	-6444018.11
Story1	Top	2155673.9	-5829877.3
Story1	Bottom	2193087.7	-6582796.4
Story1	Top	2155673.9	-5829877.3
Story1	Bottom	2653864.7	-6444018.11
Story1	Top	2155673.9	-5829877.3
Story1	Bottom	2193087.7	-6582796.4
Story1	Top	2044466.73	-5523259.47
Story1	Bottom	2270773.61	-6100890.9
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	1264263.25	-2980919.67
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	1124756.04	-3439237.13
Story1	Top	-144011.05	389673.65
Story1	Bottom	67517.95	507198.69
Story1	Top	-144011.05	389673.65
Story1	Bottom	-393259.04	368420.4
Story1	Top	-144011.05	389673.65
Story1	Bottom	67517.95	507198.69
Story1	Top	-144011.05	389673.65
Story1	Bottom	-393259.04	368420.4
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	1264263.25	-2980919.67
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	1124756.04	-3439237.13
Story1	Top	1440110.54	-3896736.49
Story1	Bottom	1628705.44	-4378095.44
Story1	Top	1637819.34	-4426221.29

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Story	Location	MX kgf-m	MY kgf-m
Story1	Bottom	1826409.87	-4907580.68
Story1	Top	1867651.79	-5050530.01
Story1	Bottom	2097735.11	-5637788.17
Story1	Top	1867651.79	-5050530.01
Story1	Bottom	2166829.52	-5867985.8
Story1	Top	1867651.79	-5050530.01
Story1	Bottom	2166827.2	-5407591.24
Story1	Top	1867651.79	-5050530.01
Story1	Bottom	2028643.02	-5867985.1
Story1	Top	1867651.79	-5050530.01
Story1	Bottom	2028640.71	-5407590.54
Story1	Top	1867651.79	-5050530.01
Story1	Bottom	2328046.29	-5706848.51
Story1	Top	1867651.79	-5050530.01
Story1	Bottom	2328045.59	-5568730.15
Story1	Top	1867651.79	-5050530.01
Story1	Bottom	1867424.63	-5706846.19
Story1	Top	1867651.79	-5050530.01
Story1	Bottom	1867423.94	-5568727.82
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	1263604.05	-3440276.03
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	1424820.82	-3279138.75
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	1263601.74	-2979881.47
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	1125415.24	-2979880.78
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	1125417.56	-3440275.33
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	1424820.13	-3141020.38
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	964199.17	-3279136.43
Story1	Top	1066267.04	-2882754.13
Story1	Bottom	964198.47	-3141018.06
Story1	Top	2337920.19	-6329463.29
Story1	Bottom	2660042.96	-7151624.1
Story1	Top	2320265.67	-6272429.93
Story1	Bottom	2596363.91	-6977139.9
Story1	Top	2368634.69	-6406843.57
Story1	Bottom	2737497.92	-6941120.32
Story1	Top	2368634.69	-6406843.57
Story1	Bottom	2597990.72	-7399437.78
Story1	Top	2368634.69	-6406843.57
Story1	Bottom	2898132.82	-7100889.9
Story1	Top	2368634.69	-6406843.57
Story1	Bottom	2437355.82	-7239668.2
Story1	Top	1335954.39	-3616836.17
Story1	Bottom	1589778.15	-3857483.62
Story1	Top	1335954.39	-3616836.17
Story1	Bottom	1450270.95	-4315801.08
Story1	Top	1335954.39	-3616836.17
Story1	Bottom	1750413.05	-4017253.2
Story1	Top	1335954.39	-3616836.17
Story1	Bottom	1289636.05	-4156031.49
Story1	Top	2337920.19	-6329463.29

Story	Location	MX kgf-m	MY kgf-m
Story1	Bottom	2660042.96	-7151624.1
Story1	Top	2320265.67	-6272429.93
Story1	Bottom	2596363.91	-6977139.9
Story1	Top	2368634.69	-6406843.57
Story1	Bottom	2737497.92	-6941120.32
Story1	Top	2368634.69	-6406843.57
Story1	Bottom	2597990.72	-7399437.78
Story1	Top	2368634.69	-6406843.57
Story1	Bottom	2898132.82	-7100889.9
Story1	Top	2368634.69	-6406843.57
Story1	Bottom	2437355.82	-7239668.2
Story1	Top	1335954.39	-3616836.17
Story1	Bottom	1589778.15	-3857483.62
Story1	Top	1335954.39	-3616836.17
Story1	Bottom	1450270.95	-4315801.08
Story1	Top	1335954.39	-3616836.17
Story1	Bottom	1750413.05	-4017253.2
Story1	Top	1335954.39	-3616836.17
Story1	Bottom	1289636.05	-4156031.49
Story1	Top	1669942.99	-4521045.21
Story1	Bottom	1900030.68	-5108302.93
Story1	Top	1867651.79	-5050530.01
Story1	Bottom	2097735.11	-5637788.17
Story1	Top	1669942.99	-4521045.21
Story1	Bottom	1900030.68	-5108302.93
Story1	Top	1867651.79	-5050530.01
Story1	Bottom	2097735.11	-5637788.17
Story1	Top	2337920.19	-6329463.29
Story1	Bottom	2660042.96	-7151624.1
Story1	Top	2003931.59	-5425254.25
Story1	Bottom	2280036.82	-6129963.52
Story1	Top	2337920.19	-6329463.29
Story1	Bottom	2660042.96	-7151624.1
Story1	Top	2320265.67	-6272429.93
Story1	Bottom	2596363.91	-6977139.9

3.3 Modal Results

Table 3.10 - Modal Periods And Frequencies

Case	Mode	Period sec	Frequency cyc/sec	CircFreq rad/sec	Eigenvalue rad2/sec2
Modal	1	0.429	2.332	14.6503	214.6324
Modal	2	0.42	2.38	14.9512	223.5393
Modal	3	0.357	2.801	17.5985	309.7063
Modal	4	0.002	402.702	2530.2503	6402166.423
Modal	5	0.002	402.702	2530.2503	6402166.423
Modal	6	0.002	412.476	2591.6644	6716724.5744
Modal	7	0.002	412.484	2591.7117	6716969.6885
Modal	8	0.002	416.166	2614.8453	6837415.7419
Modal	9	0.002	416.166	2614.8453	6837415.7419
Modal	10	0.002	419.264	2634.3135	6939607.43
Modal	11	0.002	419.292	2634.4898	6940536.4456
Modal	12	0.002	444.653	2793.8366	7805523.1877

Table 3.11 - Modal Participating Mass Ratios (Part 1 of 2)

EDIFICIO ALMACEN ARMADA

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ
Modal	1	0.429	0.0001	0.8301	0	0.0001	0.8301	0	0.3984	3.874E-05	0
Modal	2	0.42	0.8245	0.0001	0	0.8246	0.8302	0	3.803E-05	0.3958	0.0055
Modal	3	0.357	0.0056	1.866E-06	0	0.8302	0.8302	0	8.956E-07	0.0027	0.7633
Modal	4	0.002	0.0074	0.0155	0	0.8376	0.8457	0	0.0548	0.0263	0.0019
Modal	5	0.002	0.0001	0.0003	0	0.8378	0.846	0	0.0009	0.0004	0.0027
Modal	6	0.002	0.0031	0.0087	0	0.8408	0.8546	0	0.0308	0.0109	0.0112
Modal	7	0.002	0.0031	0.0087	0	0.8439	0.8633	0	0.0307	0.0109	0.0119
Modal	8	0.002	0.0048	0.0025	0	0.8488	0.8658	0	0.0088	0.0171	0.0044
Modal	9	0.002	0.0113	0.0058	0	0.8601	0.8716	0	0.0206	0.0402	0.0017
Modal	10	0.002	0.0088	0.0034	0	0.8689	0.875	0	0.012	0.0313	0.0209
Modal	11	0.002	0.0088	0.0034	0	0.8777	0.8784	0	0.0121	0.0312	0.0194
Modal	12	0.002	0.0033	0.0029	0	0.881	0.8813	0	0.0104	0.0116	0.003

Table 3.11 - Modal Participating Mass Ratios (Part 2 of 2)

Case	Mode	SumRX	SumRY	SumRZ
Modal	1	0.3984	3.874E-05	0
Modal	2	0.3985	0.3958	0.0055
Modal	3	0.3985	0.3985	0.7689
Modal	4	0.4533	0.4248	0.7707
Modal	5	0.4542	0.4253	0.7734
Modal	6	0.485	0.4361	0.7846
Modal	7	0.5157	0.4471	0.7965
Modal	8	0.5245	0.4642	0.8009
Modal	9	0.5451	0.5043	0.8026
Modal	10	0.5571	0.5356	0.8235
Modal	11	0.5691	0.5668	0.8429
Modal	12	0.5796	0.5784	0.8459

Table 3.12 - Modal Load Participation Ratios

Case	ItemType	Item	Static %	Dynamic %
Modal	Acceleration	UX	100	88.1
Modal	Acceleration	UY	100	88.13
Modal	Acceleration	UZ	0	0

Table 3.13 - Modal Direction Factors

Case	Mode	Period sec	UX	UY	UZ	RZ
Modal	1	0.429	0	1	0	0
Modal	2	0.42	0.993	0	0	0.007
Modal	3	0.357	0.007	0	0	0.993
Modal	4	0.002	0.324	0.675	0	0.001
Modal	5	0.002	0.177	0.369	0	0.453
Modal	6	0.002	0.231	0.655	0	0.114
Modal	7	0.002	0.233	0.656	0	0.111
Modal	8	0.002	0.581	0.298	0	0.121
Modal	9	0.002	0.646	0.332	0	0.022
Modal	10	0.002	0.69	0.265	0	0.045
Modal	11	0.002	0.692	0.267	0	0.041
Modal	12	0.002	0.005	0.004	0	0.991