

midas Gen Training Series

Building Analysis and Design



RC Building Analysis and Design



Angel Francisco Martinez Civil Engineer MIDASoft

Dimensions 78 ft 93 ft 72 ft 72 ft 20 ft 20 ft 250 ft 250 ft 250 ft 250 ft 126 ft $126 \text{ f$

Unit System

Length	Force (Mass)
Om	○N (kg)
() cm	◯kN (ton)
Omm	⊖kgf (kg)
0	◯ tonf (ton)
. ● ft	lbf (lb)
() in	⊖ kips (kips/g)

171 ft



 \uparrow

10 ft

14 ft

16 ft

Materials and Sections

 \sim

 \sim

Thickness(ft)

1.500000



Import DXF CAD



• Import Hotel DXF

- Select CENTER Layers
- Section Beam

nport DXF File	Thickness Group Damping * Property
	Inelastic Material Tables -
DXF File Name :	
All Layers Selected Layers	→ Open → mall
	Organize Vew folder Favorites Desktop Downloads Name Balcony.dxf hotel.dxf
Import : 🦳 Node 💿 Node & Element	Dropbox
nport DXF File	
DXF File Name : zWDesktopWmallWhotel.dxf Browse All Layers Selected Layers CENTER_ CENTER_ Import : © Node @ Node & Element	
Numbering Start Node Number Start Element Number 1	
Properties Matl, 1 1: Grade C4000 ▼ Sect, 3 3: Beam ▼ THK, 1 1: 1,5000 ▼	

Create Columns

View Structure Node/Element Properties Boundary Load Analysis F Node Element Boundary Mass Load Delete Mirror Image: Constant of the standard of the standa		,		
Node Element Boundary Mass Load Extrude Elements Rotate Scale Nodes Create Translate Extrude Node Number 56 Image: Scale Nodes Image: Scale Image: Scale </th <th>View Structure No</th> <th>ode/Element Properties</th> <th>Boundary</th> <th>Load Analysis R</th>	View Structure No	ode/Element Properties	Boundary	Load Analysis R
Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state Image: state	Node Element Boundary Mass Load	Delete • • Mirror	•	🖞 🔁 📘
Start Number Node Number : 91 Extrude Type Node → Line Element Source Revore I→ Element Attribute Element Type: Beam 1 1: Grade C4000 Section : 1 1: Edge Column Beta Angle : 0 Ceneration Type Translate Project Translate Note Vunequal Distance Unequal Distance Ax.dy.dz: 0.01% t	Extrude Elements	Rotate 👾 Scale 🔐 N	Nodes Create	Translate Extrude
Node Number : 91 Extrude Type Node > Line Element • Source Remove Move Reverse I-J Element Attribute Element Type: Beam Material : 1 :: Edge Column • Beta Angle : 0 • [Deg] Generation Type • Translate Rotate Project Translaten dx.dy.dz: 0, 0, -18 t Number of Times : 1 :	Start Number	Project	Table Elements	
Extrude Type Node -> Line Element Source Remove Move Reverse I-J Element Attibute Element Type: Beam Material: 1 1: Grade C4000 Section: 1 1: Edge Column Beta Angle: 0 Ceneration Type Translate Rotate Project Translaton Equal Distance dx.dy.dz: 0.018 t Number of Times: 1	Node Number : 56 Element Number : 91			
Node -> Line Element Source Reverse I-J Element Attribute Element Type: Beam I: Grade C4000 Section: I: Grade C4000 I: Grade C4000 <td>Extrude Type</td> <td>Extrude col</td> <td>umns</td> <td></td>	Extrude Type	Extrude col	umns	
Section: Column Herement Type: Beam Material: 1: Grade C4000 • Section: 1: Edge Column • Beta Angle : 0 • [Deg] Generation Type • Translate Rotate Project Translation • Equal Distance dx,dy,dz: 0, 0, -18 t Number of Times : 1 •	Node -> Line Element Source Remove Move	Assign Elem	ent Type:	General beam
Element Type: Beam Material: 1: Grade C4000 Section: 1: Edge Column Beta Angle: 0 (Deg] Generation Type Translate For Translate Equal Distance dx,dy,dz: 0, 0, -18 ft Number of Times: 1	Element Attribute	Section: Co	lumn	
Extrude: -16ft Find Calumer (Deg) Section: I 1: Edge Column (Beta Angle : 0 (Deg) Generation Type ● Translate ● Rotate ● Project Translation ● Equal Distance dx,dy,dz: 0, 0, -16 tt Number of Times : 1 ()	Element Type: Beam Material :	Select all no	odes 🧲	
1 1: Edge Column ● Beta Angle : 0 [Deg] Generation Type ● [Deg] ● Translate ● Project Translation ● Equal Distance ● Unequal Distance ● Unequal Distance ● Unequal Distance ■ Windows 1 ●	Section :	Extrude: -10	Sft 📘 🗋	
Beta Angle : 0 [Deg] Generation Type ● Translate Rotate Project Translation ● Equal Distance Unequal Distance dx,dy,dz: 0, 0, -16 ft Number of Times : 1	1 1: Edge Column →		-	
Generation Type ● Translate Project Translation ● Equal Distance ● Unequal Distance dx,dy,dz: 0,0,-18 t Number of Times : 1 ★	Beta Angle : 0 🗸 [Deg]			
Generation Type ● Translate Rotate Project Translation ● Equal Distance ● Unequal Distance dx,dy,dz: 0,0,-18 ft Number of Times : 1				
Generation Type				
Translation ● Equal Distance ↓ Unequal Distance dx,dy,dz: 0, 0, -18 ft Number of Times : 1 ►	Generation Type Translate Rotate Project			
 ● Equal Distance O Unequal Distance dx,dy,dz: 0, 0, -16 ft Number of Times : 1 → 	Translation		_	
Ounequal Distance dx,dy,dz: 0, 0, -16i ft Number of Times :	equal Distance			
dx,dy,dz: 0, 0, −16 ft Number of Times : 1 🚔	O Unequal Distance			••••
Number of Times : 1	dx,dy,dz: 0, 0, -16 ft			
	Number of Times : 1 🚖			

Create Walls



Create Walls

View Structure Node	/Element Properties Boundary I
Element Type	Delete • Mirror 🔆 • 🖬 Rotate 🚍 Scale
N4 N3	Project Table Create
Y N1 N2	Draw other 6 walls Assign Element Type: Wall Thickness: 1.5
Sub Type: Membrane Plate Wall Type: Plate base CRB Wall ID : Auto Inc. 5 Node Connect : Pin Fixed 	Connect 4 corners to close (101, 100, 45, 46) (104, 100, 45, 49)
No. Name 1 1: Grade C4000 V	(81, 104, 49, 26)
Thickness No. Thickness 1 1: 1.5000	(82, 105, 50, 27) (105, 101, 46, 50)
Beta Angle Ref. Point Ref. Vector	
U, U, U	
101, 100, 45, 46 Ortho	



ct 4 corners to close face and create rest of walls



Load Cases



Static Load Cases

Create 4 load cases Assign Self Weight to dead load case

Static Load Cases

Name	:	earthquake y		Add
Туре	:	Earthquake (E)	~	Modify
Description	1:			Delete

l	Name	Туре	Description
ĺ	dead	Dead Load (D)	
l	live	Live Load (L)	
l	earthquake x	Earthquake (E)	
I	earthquake y	Earthquake (E)	

Node	Element	Bound	lary	Mass	Load
Self W	eight				×
Load	Case Nam	e			
dead	ł		~		
Load	Group Nan	ne			
Defa	ault		~		
Self	Weight Fac	tor			
	Z Y X	Jgt.Z	Wgi	t.Y 1t.X	
x	0				
Y	0				
Z	0				
Load	Case	X Y	z	Group	
dead	l	0 0	-1	Defaul	t
<				3	>
Oper	ration				
	Add	Modify	D	elete	

Define Floor Loads

G oor Lo	View ad Type	S	tructure	Node/Eleme	ent	Properties	$\stackrel{Boundary}{ imes}$	Load	🖂 Assign Floor Loads 🔻	
Floor Nar Des	Load Type Na me : scription :	ame 8	& Descriptior tel					0 [Define Floor Load Type Assign Floor Loads	
Floor	Load & Load	Case	Class Land				Ass	sign flo	oor loads to hotel	
1	dead	~	-0.5	king /ft ^2		h Beam Weight	Def	fine Flo	oor loads >> Add	
2.	live	~	-0.2	kips/ft^2	Su	b Beam Weight			Dead = -0.5 kins/ft	·^7
3. 1	NONE	~	0	kips/ft^2	Su	b Beam Weight			$D_{cdd} = 0.5 \text{ kip} s/ft$, 2 2
4. 1	NONE	~	0	kips/ft^2	Su	b Beam Weight			$Live = -0.2 \text{ kips/ft}^{\prime}$	2
5.	NONE	~	0	kips/ft^2	Su	b Beam Weight				
6.	NONE	~	0	kips/ft^2	Su	b Beam Weight				
7.	NONE	~	0	kips/ft^2	Su	b Beam Weight				
8.	NONE	~	0	kips/ft^2	Su	b Beam Weight				
	Defin	e Loa	d Case							
	Name			Description	,	Add				
► h	notel					Modify				
*										

Assign Floor Loads



Building Generation



Make copies of the first floor

Select All Copy 5 times at 14ft Click Add Click Apply

Delete Sections

Change view to Front View

Select top left row as shown and delete



Change view to Right View

Select top left row as shown and delete



Import DXF CAD for Balcony

	bì ≠
🕒 <u>N</u> ew Project	midas <u>G</u> en MGT File
🗁 <u>O</u> pen Project	AutoCAD <u>D</u> XF File
<u>C</u> lose Project	SA <u>P</u> 2000(V6, V7) File
Project Information	SAP2000(V8) File
E Save	STAAD2000 File
Save <u>A</u> s	STAAD2002 File
Save Current Stage As	MSC.Nastran File
Import ►	

e...

- Import Balcony DXF •
- Select CENTER Layers •
- Section Balcony Beam •



Assign Upper Floor Loads



Building Generation



Make copies of the top floor only

Select top floor Copy 4 times at 10 ft Click Add Click Apply





Generate story data





Auto Generate Story Data

Х

Story	Data					×	Automat	ic Generation o	of Story Da	ta			2
Gr	ound Level ft						Unselec No	ted List Level]	Select No	ed List Name	Level	Height
	Module Name	Story Name	Level(ft)	Height(ft)	Floor Diaphragm	^				1 2	1F 2F	0	16 14
	Base	Roof	126.00	0.00	Consider				->	3	3F 4E	30	14
	Base	10F	116.00	10.00	Consider					5	SE	58	14
	Base	9F	106.00	10.00	Consider					6	6F	72	14
	Base	8F	96.00	10.00	Consider				<-	7	7F	86	10
	Base	7F	86.00	10.00	Consider					8	8F	96	10
	Base	6F	72.00	14.00	Consider					9	9F	106	10
	Base	5F	58.00	14.00	Consider					10	10F	116	10
	Base	4F	44.00	14.00	Consider					11	Roof	126	0
	Base	3F	30.00	14.00	Consider								
	Base	2F	16.00	14.00	Consider		🗹 Indu	de Seismic Accid	ental Eccer	ntricity	:	5 % of	Plan Dimension
	Base	1F	0.00	16.00	Do not consider		1 Indu	de Wind Eccentr	icity -			15 % of	Plan Dimension
*							(e) inde	de wind Eccente	icity .			20 78 01	Pidir Dimension
4	Story (Wind (Seis	smic /	<			>						OK	Cancel
	Auto Generate Story Data.	Define M	Module		Cl	ose							
	K V Kana: Kont												

Convert Self weight into Masses

Seismic Load X



Seismic Load Y



Add/Modify Seismic Load Specification	×						
Load Case Name : earthquake y Seismic Load Code : IBC2012(ASCE7-10)]						
Description :							
Seismic Load Parameters							
Design Spectral Response Acceleration							
Site Class B 🗸							
Ss 0.75 V Fa 1.00000 Sds 0.5000	00 g						
S1 0.3 V Fv 1.00000 Sd1 0.2000	00 g						
Period Coef. (Cu) 1.50000 TL 4	sec						
Risk Category II \checkmark Importance	1 ~						
Seis. Design Category : Sds D Sd1 C	=> D						
Structural Parameters							
X-Dir. Y-D	ir.						
O Analytical Period : 0 0							
Approximate Period : 1.341 1.341							
Fundamental Period : 1.541 Response Modification 4 Factor (R) 4	~						
Seismic Load Direction Factor (Scale Factor)							
X-Direction : 0 Y-Direction : 1							
Accidental Eccentricity							
X-Direction (Ex) : OPositive ONegative	None						
Y-Direction (Ev) : Positive Negative	None						
Torsional Amplification Accidental Eccentricity Inherent Eccentricity							
Additional Seismic Loads (Unit:kips,ft)							
Story AddX AddY AddRZ	Add						
· · ·							
Seismic Load Profile OK Cancel	Apply						

Boundary Condition





Load to masses



Perform Analysis





message windov

TOTAL NUMBER OF VALID DOFS IN MODEL : 1650

ENTRY STATIC ANALYSIS MULII-FRONTAL SOLUTION HAS BEEN COMPLETED. DISPLACEMENT/FORCE/STRESS OUTPUT. ELEM. : 1335 OF 1335

------SOLUTION TERMINATED YOUR MIDAS JOB IS SUCCESSFULLY COMPLETED.....C:\Users\a.martinez\Desktop\hotel RC model\practice rc TOTAL SOLUTION TIME..: 7.13 [SEC]

Results: Deformations

Hidden

0.04

0.04

0.03 0.03 0.03

0.02

0.02

0.02 0.01 0.01

0.00

0.00



Results: Axial Forces



Results: Moments Y



Results: Wall Forces



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File N

Load combination

	🔁 🕞 🚔 🗟 👘	~				Gen 2		
View	Structure No	de/Element	Properties	Boundary Load	Analysis	Results		
₽ 1	<u>Generate</u>	Load Co	ombo					
Load Combination Combination	Select Con Auto Gen Design Co	ncrete a eration ode: ACI3	nd Footii 318-14	ng Design			Automatic Generation of Load Combinations	× utomatic Generation of Load Combinations
No Name Active 1 c.Constet Design s ad Combinetion List 1 c.CEB1 Stren 2 c.CEB2 Stren A 3 c.CCB3 Stren A 4 c.CCB4 Stren A 5 c.CCB4 Stren A	Design Cold Formed Steel Design Footing Design dd 1.4(D) dd 1.2(D) + 1.6(L) dd 1.2(D) + 1.0earthquake x + 1.0(d) dd 1.2(D) + 1.0earthquake x + 1.0(d) dd 1.2(D) - 1.0earthquake x + 1.0(d)	ision Load Cases and Factors LoadCase M dead(ST) M	Load Combinations General Steel Design Cc Lead Combination Lst 1.4000 No No 2.0.022 <th>Active Type Description Activ Add 1.4(D) Activ Add 1.2(D) + 1.6(L) Activ Add 1.2(D) + 1.0earthquake x + 4. Activ Add 1.2(D) + 1.0earthquake x + 4.</th> <th>a Design tvd Cases and Factors dead(ST) 10(10)</th> <th>Factor 1.4000</th> <th>Design Code : ACI318-14 Scale Up of Response Spectrum Load Cases Scale Up Factor : 1 Factor Load Case Modify Delete Wind Load Factor Image: Case of Case</th> <th>Design Code : ACI318-14 Scale Up of Response Spectrum Load Cases Scale Up Factor : 1 Factor Load Case Add Modify Delete</th>	Active Type Description Activ Add 1.4(D) Activ Add 1.2(D) + 1.6(L) Activ Add 1.2(D) + 1.0earthquake x + 4. Activ Add 1.2(D) + 1.0earthquake x + 4.	a Design tvd Cases and Factors dead(ST) 10(10)	Factor 1.4000	Design Code : ACI318-14 Scale Up of Response Spectrum Load Cases Scale Up Factor : 1 Factor Load Case Modify Delete Wind Load Factor Image: Case of Case	Design Code : ACI318-14 Scale Up of Response Spectrum Load Cases Scale Up Factor : 1 Factor Load Case Add Modify Delete
6 cLCB6 Strem / 8 cLCB6 Strem / 9 cLCB9 Strem / 10 cLCB10 Strem / 11 cLCB11 Strem / 12 cLCB13 Strem / 13 cLCB13 Strem / 13 cLCB13 Strem / 14 cLCB13 Strem / 15 cLCB13 Strem / 16 cLCB16 Strem / 16 cLCB16 Strem / 17 cLCB17 Strem / 19 cLCB19 Strem / 19 cLCB19 Strem / 19 cLCB19 Strem / 19 cLCB19 Strem / 19 cLCB10 Strem / 10 cLCB10 Strem /	dd 12(D) - 10eanthquake y + 1.0(dd 0.9(D) + 10eanthquake x dd 0.9(D) + 1.0eanthquake x dd 0.9(D) - 1.0eanthquake x dd 0.9(D) - 10eanthquake x dd SERV (D) - 10eanthquake x dd SERV (D) + L SERV (D) + 0.7eanthquake x dd SERV (D) - 0.75u - 0.75(0.7)e		5 f.CB5 6 f.CB5 7 f.CB7 8 f.CB8 9 f.CB9 10 f.CB1 11 f.CB1 12 f.CB1 13 f.CB1 14 f.CB1 15 f.CB1 16 f.CB1 17 f.CB1 18 f.CB3 19 f.CB3 19 f.CB3 10 f.CB1 10 f.CB1 1	Activ Add 1.2(D) - 1.0earthquake x + 1 Activ Add 1.2(D) - 1.0earthquake y + 1 Activ Add 0.9(D) + 1.0earthquake y + 1 Activ Add 0.9(D) + 1.0earthquake x Activ Add 0.9(D) + 1.0earthquake x Activ Add 0.9(D) - 1.0earthquake x I Activ Add 0.9(D) - 1.0earthquake x I Activ Add 0.9(D) - 1.0earthquake x I Activ Add 0.9(D) - 1.0earthquake x Activ Add 0.9(D) - 1.0earthquake x Activ Add (D) + 1 4 Activ Add J Activ Add (D) + 0.7earthquake x Activ Add (D) - 0.7earthquake x Activ Add (D) - 0.75.4 + 0.75(0.7)earth Activ Add (D) + 0.75.4 + 0.75(0.7)earth Activ Add <td></td> <td></td> <td>Steringm-even Consider Lateral Soil Pressure Factor Load Factor: 0.9 Manpulation of Construction Stage Load Case St: Construction</td> <td>Wind Load Factor</td>			Steringm-even Consider Lateral Soil Pressure Factor Load Factor: 0.9 Manpulation of Construction Stage Load Case St: Construction	Wind Load Factor
Copy Import	Auto Generation Spread Sheet Form hotel RC modelytart file Browse Ma	ke Load Combination Sheet	Copy Im Copy Im City Cortes International Content of Co	J Actw Add (U) + 0.75L - 0.75(0.7)earth 1 Activ Add (D) + 0.75L - 0.75(0.7)earth port Auto Generation Spread Sheet F martner/Desktop/hotel RC model/start fie Browse	yua yua yua orm Make Load Combination Sheet	Close	Original State Construction State Constructions Original States	Consider Orthogonal Effect Set Load Cases for Orthogonal Effect 100:30 Rule SRSS(Square-Root-of-Sum-of-Squares) Careral Generate Additional Load Combinations for Special Seismic Load for Vertical Seismic Forces Factors for Seismic Design

midas <mark>nGen</mark>

Define Column Rebar Data



midas <mark>nGen</mark>

Column Code Check



Column Design



Footing Design



Design Plus Import

6										Gen 2017 -	nartinez∖De	DL.			
	Ø	View	Struct	ture N	lode/Element	Properties	Boundary	Load	Analysis	Results	Pushover	Design	Query	Tools	
															Design+
															Design+
Ę.	mid	as Des	ign+ 2	017 - [L	Intitled] - [N	lember]									
: 📭	Fil	e Edit	View	RC S	teel SRC A	luminum Lo	ad Option		ink						
1		è 🔛	Ω -	<u> </u>		e 🖸		Link	with :	() midas (Sen				
Wor	kBar			-	ч × 🚺	🔓 Star 😱 r	nidas Link	Ger	n 2017 - [C:	\Users\a.ma	ortinez\Deskto	op\Ngen 20	17\gen trai	ning	
			mic	das D	ESIGN	#									
		_	RC			STEEL									
	s	lab	Beam	Column	Beam+Colu	mn Base Plate									
-	Shea	74 ar Wall	Footing	Basement V	Vall Bolt Connect	iion Crane Girder			Connect	Disco	nnect			Car	
	But	i tress	Stair	Corbel+Brad	ket Purlin+Girt	th Web Opening									
	Bean	n Table	Slab Table	Batch Wa	I Stair										
			-		C	onvright © Since 1989									

Run Check on section

Add new member							
System	RC	~					
Туре	Footing	~					
Node	61						
	Option	Import					



Material									
Concrete	24 ∨ MPa			2.000					
Main Bar	400 V MPa		1 500	3,000 1 500					
Light Weight	Concrete		1,500	1,500					
Factor	1 ~	++							
Design Load									
Ps	23794.17 kN	8		X					
Msx	12.21 kN.m	Ť							
Msy	-169.06 kN.m				i l				
Load	d Combinations (6)	& -+-	- + + - + - +	·					
		m							
Pu	32359.49 kN				Y1	Calc	ulation Result		
Mux	16.69 kN.m	Ř					ade Itama		
Muy	-230.77 kN.m	-			-		il Repring (KDp)		
Load	d Combinations (6)			X1		11	Vav Shoar X (M)		
_					1	11/	Vay Shear X (KN)		
└─ Include Self-V	Veight Mx <-> My			i		21	Vay Shear (KN)		
Surcharge Load				K		Mi	n Bar Patio (mm²)		
Surface Load	0.00 kN/m ²					Ma	ax. Bar Space (mm)		
Weight Density	18.00 kN/m ³						in our opace (mil)		
Height	0.00 m	8							
Footing			_ · · -	• • •	<u>• </u>				
Type	Isolated (Mat)	/				Foo	ting Size		
Depth	700.00 mm						FOOT		
Cover	80.00 mm					Lx			
Column Section -		Rebar				Ly			
 Rectangle 	◯ Circle		Y-Direction (Mu	x) X-Direc	tion (Muy)		SOIL		
Cx	* 609.60 mm	Moment (kN.m)	783		791	Ca	pacity(fe)		
Cy	* 609.60 mm	Layer 1 (mm)	#8 @ 4	50.00 #8	@ 450.00				
Ex	* 0.00 mm	Layer 2 (mm)	@		0				
Ey	* 0.00 mm	Result	NG(11.04)	NG((10.67)				
Daci	an(E4)	Chock(Dana	-+		A me		
Desi	90(F4)	Check(-3)	керо			мрр		

 Calculation Result

 Check Items
 Result

 Soil Bearing (KPa)
 2700
 NG(27.00

 1Way Shear-X (kN)
 6439
 NG(5.792

 1Way Shear-Y (kN)
 6647
 NG(6.240

 2Way Shear (kN)
 27035
 NG(7.494

 Min. Bar Ratio (mm²)
 0.180%
 384

 Max. Bar Space (mm)
 #8
 @457

FO	OTING SIZE			
Lx	3.00	m		
Ly	3.00	m		
SOI	L BEARING			
Capacity(fe)	100.00	KPa		
	-			

Apply(F3)



Create Piles



Pile Spring Support



Update story data



Auto Generate Story Data

P Story						Automati	c Generation o	of Story Da	ta				
ry Data Ground Level ft					×	Unselect No	ed List Level		Select No	ed List Name	Level	Height	^
Module Name	Story Name	Level(ft)	Height(ft)	Floor Diaphragm	<u>^</u>				1 2	1F 2F	-20 -10	10 10	
Base	11F	106.00	10.00	Consider				->	3	3F	0	16	
Base	10F	96.00	10.00	Consider					4	4F	16	14	
Base	9F	86.00	10.00	Consider					5	5F	30	14	
Base	8F	72.00	14.00	Consider					6	6F	44	14	
Base	7F	58.00	14.00	Consider				<-	7	7F	58	14	
Base	6F	44.00	14.00	Consider					8	8F	72	14	
Base	5F	30.00	14.00	Consider					9	9F	86	10	
Base	4F	16.00	14.00	Consider					10	105	96	10	
Base	3F	0.00	16.00	Consider					10	100	100	10	
Base	2F	-10.00	10.00	Consider					11		106	10	
Base	1F	-20.00	10.00	Do not consider					12	12	116	10	_
						🗹 Induc	de Seismic Accid	ental Eccen	itricity	:	5 % of	Plan Dimensi	on
▶ \ Story { Wind { Se	ismic /	<			>	🗹 Induc	de Wind Eccentr	icity :			15 % of	Plan Dimensi	on
Auto Generate Story Data	Define	Module			Close						ОК	Cance	el

Re-Perform Analysis



YOUR MIDAS JOB IS SUCCESSFULLY COMPLETED.....C:\Users\a.martinez\Desktop\hotel RC model\practice rc TOTAL SOLUTION TIME..: 20.11 [SEC]

Results: Moments



Thanks!