

APPENDIX C

ETABS analysis results of 2D model

PROJECT INFORMATION

S T O R Y D A T A

STORY	SIMILAR TO	HEIGHT	ELEVATION
STORY40	None	3.200	128.800
STORY39	STORY40	3.200	125.600
STORY38	STORY40	3.200	122.400
STORY37	STORY40	3.200	119.200
STORY36	STORY40	3.200	116.000
STORY35	STORY40	3.200	112.800
STORY34	STORY40	3.200	109.600
STORY33	STORY40	3.200	106.400
STORY32	STORY40	3.200	103.200
STORY31	STORY40	3.200	100.000
STORY30	STORY40	3.200	96.800
STORY29	STORY40	3.200	93.600
STORY28	STORY40	3.200	90.400
STORY27	STORY40	3.200	87.200
STORY26	STORY40	3.200	84.000
STORY25	STORY40	3.200	80.800
STORY24	STORY40	3.200	77.600
STORY23	STORY40	3.200	74.400
STORY22	STORY40	3.200	71.200
STORY21	STORY40	3.200	68.000
STORY20	STORY40	3.200	64.800
STORY19	STORY40	3.200	61.600
STORY18	STORY40	3.200	58.400
STORY17	STORY40	3.200	55.200
STORY16	STORY40	3.200	52.000
STORY15	STORY40	3.200	48.800
STORY14	STORY40	3.200	45.600
STORY13	STORY40	3.200	42.400
STORY12	STORY40	3.200	39.200
STORY11	STORY40	3.200	36.000
STORY10	STORY40	3.200	32.800
STORY9	STORY40	3.200	29.600
STORY8	STORY40	3.200	26.400
STORY7	STORY40	3.200	23.200
STORY6	STORY40	3.200	20.000
STORY5	STORY40	3.200	16.800
STORY4	STORY40	3.200	13.600
STORY3	STORY40	3.200	10.400
STORY2	STORY40	3.200	7.200
STORY1	STORY40	4.000	4.000
BASE	None		0.000

S T A T I C L O A D C A S E S

STATIC NOTIONAL CASE DIRECTION	CASE TYPE	AUTO LAT LOAD	SELF WT MULTIPLIER	NOTIONAL FACTOR
LIVE	LIVE	N/A	0.0000	
WIND	WIND	None	0.0000	
DEAD	DEAD	N/A	1.0000	

M A S S S O U R C E D A T A

MASS FROM	LATERAL MASS ONLY	LUMP MASS AT STORIES
Masses	Yes	Yes

A S S E M B L E D P O I N T M A S S E S

STORY RY	RZ	UX	UY	UZ	RX
STORY40	1.904E+01	1.904E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY39	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY38	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY37	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY36	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY35	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY34	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY33	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY32	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY31	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY30	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY29	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY28	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
STORY27	2.887E+01	2.887E+01	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				

[illegible]

BASE	1.229E+01	1.229E+01	0.000E+00	0.000E+00
0.000E+00	0.000E+00			
Totals	1.160E+03	1.160E+03	0.000E+00	0.000E+00
0.000E+00	0.000E+00			

MODAL INFORMATION

Modal Analysis not done.

ETABS v9.5.0 File:تجربة٤ Units:KN-m ١٢:١٢ ٢٠١٥ يونيو PAGE 7

TOTAL REACTIVE FORCES (RECOVERED LOADS) AT ORIGIN

LOAD		FX	FY	FZ	MX
MY	MZ				
LIVE	0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0.000E+00	0.000E+00				
WIND	-9.164E+02	0.000E+00	3.183E-11	0.000E+00	-
6.239E+04	0.000E+00				
DEAD	-4.650E-13	0.000E+00	1.180E+04	0.000E+00	-
8.851E+04	0.000E+00				

S T O R Y F O R C E S

STORY	LOAD		P	VX	VY
T	MX	MY			
STORY40	WIND	5.709E-12	-1.265E+01	0.000E+00	
0.000E+00	0.000E+00	-4.048E+01			
STORY39	WIND	-8.800E-12	-3.790E+01	0.000E+00	
0.000E+00	0.000E+00	-1.618E+02			
STORY38	WIND	-1.003E-11	-6.308E+01	0.000E+00	
0.000E+00	0.000E+00	-3.636E+02			
STORY37	WIND	-1.615E-11	-8.819E+01	0.000E+00	
0.000E+00	0.000E+00	-6.458E+02			
STORY36	WIND	-1.444E-11	-1.132E+02	0.000E+00	
0.000E+00	0.000E+00	-1.008E+03			
STORY35	WIND	-6.587E-12	-1.382E+02	0.000E+00	
0.000E+00	0.000E+00	-1.450E+03			
STORY34	WIND	-2.059E-11	-1.631E+02	0.000E+00	
0.000E+00	0.000E+00	-1.972E+03			
STORY33	WIND	-4.617E-11	-1.879E+02	0.000E+00	
0.000E+00	0.000E+00	-2.573E+03			
STORY32	WIND	-1.859E-11	-2.126E+02	0.000E+00	
0.000E+00	0.000E+00	-3.254E+03			
STORY31	WIND	-2.598E-11	-2.372E+02	0.000E+00	
0.000E+00	0.000E+00	-4.013E+03			
STORY30	WIND	-5.218E-11	-2.618E+02	0.000E+00	
0.000E+00	0.000E+00	-4.851E+03			

STORY29	WIND	-7.606E-11	-2.863E+02	0.000E+00
0.000E+00	0.000E+00	-5.767E+03		
STORY28	WIND	-5.474E-11	-3.107E+02	0.000E+00
0.000E+00	0.000E+00	-6.761E+03		
STORY27	WIND	-5.633E-11	-3.349E+02	0.000E+00
0.000E+00	0.000E+00	-7.832E+03		
STORY26	WIND	-4.388E-11	-3.591E+02	0.000E+00
0.000E+00	0.000E+00	-8.982E+03		
STORY25	WIND	-5.684E-11	-3.832E+02	0.000E+00
0.000E+00	0.000E+00	-1.021E+04		
STORY24	WIND	-4.798E-11	-4.072E+02	0.000E+00
0.000E+00	0.000E+00	-1.151E+04		
STORY23	WIND	2.274E-13	-4.311E+02	0.000E+00
0.000E+00	0.000E+00	-1.289E+04		
STORY22	WIND	-1.978E-11	-4.549E+02	0.000E+00
0.000E+00	0.000E+00	-1.435E+04		
STORY21	WIND	-2.194E-11	-4.786E+02	0.000E+00
0.000E+00	0.000E+00	-1.588E+04		
STORY20	WIND	-1.125E-11	-5.022E+02	0.000E+00
0.000E+00	0.000E+00	-1.749E+04		
STORY19	WIND	8.413E-12	-5.256E+02	0.000E+00
0.000E+00	0.000E+00	-1.917E+04		
STORY18	WIND	1.569E-11	-5.489E+02	0.000E+00
0.000E+00	0.000E+00	-2.092E+04		
STORY17	WIND	7.958E-12	-5.721E+02	0.000E+00
0.000E+00	0.000E+00	-2.275E+04		
STORY16	WIND	-7.276E-12	-5.951E+02	0.000E+00
0.000E+00	0.000E+00	-2.466E+04		
STORY15	WIND	3.115E-11	-6.180E+02	0.000E+00
0.000E+00	0.000E+00	-2.664E+04		
STORY14	WIND	3.297E-11	-6.408E+02	0.000E+00
0.000E+00	0.000E+00	-2.869E+04		
STORY13	WIND	1.432E-11	-6.634E+02	0.000E+00
0.000E+00	0.000E+00	-3.081E+04		
STORY12	WIND	-8.640E-12	-6.858E+02	0.000E+00
0.000E+00	0.000E+00	-3.300E+04		
STORY11	WIND	2.456E-11	-7.080E+02	0.000E+00
0.000E+00	0.000E+00	-3.527E+04		
STORY10	WIND	2.774E-11	-7.300E+02	0.000E+00
0.000E+00	0.000E+00	-3.761E+04		
STORY9	WIND	3.956E-11	-7.518E+02	0.000E+00
0.000E+00	0.000E+00	-4.001E+04		
STORY8	WIND	3.001E-11	-7.734E+02	0.000E+00
0.000E+00	0.000E+00	-4.249E+04		
STORY7	WIND	1.728E-11	-7.947E+02	0.000E+00
0.000E+00	0.000E+00	-4.503E+04		
STORY6	WIND	3.274E-11	-8.157E+02	0.000E+00
0.000E+00	0.000E+00	-4.764E+04		
STORY5	WIND	3.456E-11	-8.363E+02	0.000E+00
0.000E+00	0.000E+00	-5.032E+04		
STORY4	WIND	3.320E-11	-8.566E+02	0.000E+00
0.000E+00	0.000E+00	-5.306E+04		

STORY3	WIND	2.683E-11	-8.764E+02	0.000E+00
0.000E+00	0.000E+00	-5.586E+04		
STORY2	WIND	3.365E-11	-8.955E+02	0.000E+00
0.000E+00	0.000E+00	-5.873E+04		
STORY1	WIND	3.183E-11	-9.164E+02	0.000E+00
0.000E+00	0.000E+00	-6.239E+04		

STORY DRIFTS

STORY	DIRECTION	LOAD	MAX DRIFT
STORY40	X	WIND	1/798
STORY39	X	WIND	1/783
STORY38	X	WIND	1/766
STORY37	X	WIND	1/748
STORY36	X	WIND	1/731
STORY35	X	WIND	1/715
STORY34	X	WIND	1/701
STORY33	X	WIND	1/687
STORY32	X	WIND	1/674
STORY31	X	WIND	1/662
STORY30	X	WIND	1/651
STORY29	X	WIND	1/641
STORY28	X	WIND	1/632
STORY27	X	WIND	1/624
STORY26	X	WIND	1/616
STORY25	X	WIND	1/610
STORY24	X	WIND	1/604
STORY23	X	WIND	1/599
STORY22	X	WIND	1/595
STORY21	X	WIND	1/591
STORY20	X	WIND	1/589
STORY19	X	WIND	1/587
STORY18	X	WIND	1/586
STORY17	X	WIND	1/587
STORY16	X	WIND	1/588
STORY15	X	WIND	1/590
STORY14	X	WIND	1/594
STORY13	X	WIND	1/598
STORY12	X	WIND	1/604
STORY11	X	WIND	1/611
STORY10	X	WIND	1/620
STORY9	X	WIND	1/631
STORY8	X	WIND	1/644
STORY7	X	WIND	1/659
STORY6	X	WIND	1/677
STORY5	X	WIND	1/698
STORY4	X	WIND	1/723
STORY3	X	WIND	1/758
STORY2	X	WIND	1/820
STORY1	X	WIND	1/1224

