

JN. 119869
PROJECT. อาคารสำนักงาน สูง 27 ชั้น เขตคลองเตย กรุงเทพฯ

EARTH QUAKE ANALYSIS

- พื้นที่ก่อสร้างอยู่ในแอ่งกรุงเทพ	ZONE	=	5
- ค่าความเร่งตอบสนองเชิงสเปกตรัม	Sa (0.2 s)	=	0.126
	Sa (1 s)	=	0.158
- ประเภทของอาคารออกแบบต้านทานแผ่นดินไหว		=	ก
- ระบบโครงสร้างแบบผสมที่มีโครงต้านแรงดัดที่มีความเหนียว ร่วมกับกำแพงรับแรงเฉือนแบบธรรมดา	R	=	6.00
	Ω	=	2.50
	Cd	=	5.00
- ค่าสเปส.ผลตอบสนองแรงแผ่นดินไหว เป็นดังนี้	Cs	\geq	Sa(0.2s)/(R/I)
		\geq	Sa(1s)/(R/I)
	แต่	\geq	0.01
- ตัวคูณการใช้อาคาร	I	=	1.00
- ความสูงของอาคาร (ม.)		=	111.80
- แรงเฉือนที่ฐานอาคารต้องไม่น้อยกว่า 85 % ของแรงเฉือนที่ฐานอาคารจากวิธีแรงสถิตเทียบเท่า โดยแรงเฉือนที่ฐานอาคารด้วยวิธีแรงสถิตเทียบเท่า $V = C_s W$			

บรรณานุกรม

- มยผ.1302 (2552) มาตรฐานการออกแบบอาคารต้านทานการสั่นสะเทือนของแผ่นดินไหว
กรมโยธาธิการและผังเมือง กระทรวงมหาดไทย



JN 119869

อาคารสำนักงาน สูง 27 ชั้น เขตคลองเตย จ.กรุงเทพฯ

MAX WIND EQ

Story	Pier	Load	Loc	P	V2	V3	T	M2	M3
STORY28	P1	MAX W, EQ	Top	10,495	40,935	49,550	675,975	36,470	76,306
STORY28	P1	MAX W, EQ	Bottom	17,633	40,918	40,053	637,477	213,204	209,729
STORY27	P1	MAX W, EQ	Top	26,444	35,167	45,790	978,920	246,285	294,266
STORY27	P1	MAX W, EQ	Bottom	32,695	35,716	39,065	911,746	367,258	371,860
STORY26	P1	MAX W, EQ	Top	40,387	43,497	51,590	1,133,441	400,983	457,945
STORY26	P1	MAX W, EQ	Bottom	48,955	43,848	50,943	1,057,264	484,410	491,453
STORY25	P1	MAX W, EQ	Top	54,994	53,027	63,548	1,231,272	515,933	583,943
STORY25	P1	MAX W, EQ	Bottom	69,849	53,315	64,610	1,149,926	592,781	576,422
STORY24	P1	MAX W, EQ	Top	74,928	60,683	73,875	1,299,980	619,270	675,299
STORY24	P1	MAX W, EQ	Bottom	93,719	60,926	75,193	1,215,480	710,935	653,040
STORY23	P1	MAX W, EQ	Top	98,938	66,026	80,785	1,346,933	731,670	734,811
STORY23	P1	MAX W, EQ	Bottom	119,605	66,233	82,333	1,260,405	842,369	764,043
STORY22	P1	MAX W, EQ	Top	124,704	69,457	84,560	1,373,258	858,687	801,934
STORY22	P1	MAX W, EQ	Bottom	146,445	69,644	86,589	1,285,662	982,426	880,446
STORY21	P1	MAX W, EQ	Top	151,188	71,637	85,926	1,379,100	996,494	908,484
STORY21	P1	MAX W, EQ	Bottom	173,308	71,822	88,629	1,291,429	1,123,577	1,001,661
STORY20	P1	MAX W, EQ	Top	177,529	73,213	85,654	1,365,413	1,137,434	1,014,347
STORY20	P1	MAX W, EQ	Bottom	199,486	73,408	89,067	1,278,680	1,258,121	1,127,946
STORY19	P1	MAX W, EQ	Top	203,091	74,693	84,546	1,334,378	1,273,288	1,123,834
STORY19	P1	MAX W, EQ	Bottom	224,505	74,906	88,545	1,249,563	1,379,299	1,247,778
STORY18	P1	MAX W, EQ	Top	227,464	76,415	83,437	1,289,390	1,396,717	1,236,427
STORY18	P1	MAX W, EQ	Bottom	248,114	76,644	87,782	1,207,417	1,481,825	1,355,094
STORY17	P1	MAX W, EQ	Top	250,450	78,559	83,151	1,234,937	1,501,920	1,338,201
STORY17	P1	MAX W, EQ	Bottom	270,253	78,796	87,551	1,156,668	1,562,155	1,445,386
STORY16	P1	MAX W, EQ	Top	272,029	81,217	84,407	1,176,426	1,584,938	1,424,150
STORY16	P1	MAX W, EQ	Bottom	291,025	81,450	88,591	1,102,650	1,618,584	1,515,953
STORY15	P1	MAX W, EQ	Top	292,334	84,476	87,789	1,119,983	1,643,750	1,491,120
STORY15	P1	MAX W, EQ	Bottom	310,670	84,696	91,545	1,051,359	1,651,423	1,566,017
STORY14	P1	MAX W, EQ	Top	311,641	91,975	93,768	1,072,129	1,678,376	1,537,876
STORY14	P1	MAX W, EQ	Bottom	329,583	92,083	96,917	1,009,067	1,663,539	1,596,906
STORY13	P1	MAX W, EQ	Top	330,398	100,823	102,592	1,039,140	1,691,327	1,565,270
STORY13	P1	MAX W, EQ	Bottom	348,413	100,938	104,919	981,650	1,661,277	1,612,606
STORY12	P1	MAX W, EQ	Top	349,350	109,669	113,720	1,026,371	1,688,397	1,576,801
STORY12	P1	MAX W, EQ	Bottom	368,309	109,785	114,886	974,083	1,653,776	1,620,837
STORY11	P1	MAX W, EQ	Top	369,732	118,770	124,940	1,039,469	1,678,150	1,579,813
STORY11	P1	MAX W, EQ	Bottom	390,856	118,894	124,486	992,008	1,646,767	1,635,415
STORY10	P1	MAX W, EQ	Top	392,893	128,567	131,064	1,088,560	1,666,743	1,588,160
STORY10	P1	MAX W, EQ	Bottom	416,646	128,685	129,086	1,043,719	1,629,962	1,674,235
STORY9	P1	MAX W, EQ	Top	418,707	136,861	133,655	1,156,110	1,646,339	1,617,553
STORY9	P1	MAX W, EQ	Bottom	439,053	137,087	131,844	1,115,568	1,668,339	1,951,479
STORY8	P1	MAX W, EQ	Top	432,844	119,603	130,783	1,181,057	1,685,531	1,843,547
STORY8	P1	MAX W, EQ	Bottom	443,863	119,349	127,900	1,137,523	1,767,759	2,286,727
STORY7	P1	MAX W, EQ	Top	441,436	115,824	131,262	1,209,311	1,764,035	2,171,567
STORY7	P1	MAX W, EQ	Bottom	452,671	115,752	129,407	1,158,228	1,827,171	2,455,302



STORY6	PI	MAX W, EQ	Top	451,252	122,780	139,447	1,224,644	1,821,491	2,349,379
STORY6	PI	MAX W, EQ	Bottom	464,328	122,685	137,017	1,171,772	1,913,051	2,646,409
STORY5	PI	MAX W, EQ	Top	464,152	134,025	152,802	1,228,909	1,905,322	2,549,033
STORY5	PI	MAX W, EQ	Bottom	478,987	134,026	148,963	1,175,951	2,040,998	2,870,974
STORY4	PI	MAX W, EQ	Top	480,140	148,459	170,047	1,212,292	2,031,917	2,783,119
STORY4	PI	MAX W, EQ	Bottom	496,995	148,596	164,125	1,160,551	2,224,689	3,140,122
STORY3	PI	MAX W, EQ	Top	499,498	171,055	190,439	1,157,306	2,215,439	3,062,718
STORY3	PI	MAX W, EQ	Bottom	518,309	171,542	181,850	1,108,063	2,477,209	3,476,464
STORY2	PI	MAX W, EQ	Top	523,404	210,023	223,027	1,021,071	2,467,330	3,425,101
STORY2	PI	MAX W, EQ	Bottom	565,821	211,187	214,596	983,639	3,132,272	4,305,614
MEZZ	PI	MAX W, EQ	Top	577,372	213,078	227,393	894,067	3,145,927	4,293,148
MEZZ	PI	MAX W, EQ	Bottom	624,350	212,308	210,783	876,748	3,892,273	5,097,113
STORY1	PI	MAX W, EQ	Top	630,544	281,506	215,169	764,159	3,815,590	5,072,763
STORY1	PI	MAX W, EQ	Bottom	656,615	282,608	195,867	722,229	4,319,503	5,910,541
BASEMENT	PI	MAX W, EQ	Top	658,796	349,141	204,923	753,372	4,363,601	5,926,421
BASEMENT	PI	MAX W, EQ	Bottom	658,796	349,141	204,923	753,372	4,552,466	6,261,371
STORY28	P10	MAX W, EQ	Top	1,402	5,596	2,091	350	4,615	14,209
STORY28	P10	MAX W, EQ	Bottom	1,402	5,596	2,091	350	3,959	8,741
STORY27	P10	MAX W, EQ	Top	2,001	4,698	1,768	349	3,614	10,352
STORY27	P10	MAX W, EQ	Bottom	2,001	4,698	1,768	349	3,637	8,922
STORY26	P10	MAX W, EQ	Top	2,846	4,833	1,850	371	3,817	10,640
STORY26	P10	MAX W, EQ	Bottom	2,846	4,833	1,850	371	3,768	9,191
STORY25	P10	MAX W, EQ	Top	3,726	5,015	1,884	387	3,881	11,011
STORY25	P10	MAX W, EQ	Bottom	3,726	5,015	1,884	387	3,843	9,589
STORY24	P10	MAX W, EQ	Top	4,634	5,174	1,921	400	3,956	11,269
STORY24	P10	MAX W, EQ	Bottom	4,634	5,174	1,921	400	3,921	10,013
STORY23	P10	MAX W, EQ	Top	5,551	5,318	1,954	411	4,019	11,477
STORY23	P10	MAX W, EQ	Bottom	5,551	5,318	1,954	411	3,990	10,440
STORY22	P10	MAX W, EQ	Top	6,462	5,439	1,980	419	4,069	11,621
STORY22	P10	MAX W, EQ	Bottom	6,462	5,439	1,980	419	4,048	10,839
STORY21	P10	MAX W, EQ	Top	7,351	5,535	1,999	424	4,105	11,717
STORY21	P10	MAX W, EQ	Bottom	7,351	5,535	1,999	424	4,091	11,192
STORY20	P10	MAX W, EQ	Top	8,207	5,609	2,011	425	4,126	11,777
STORY20	P10	MAX W, EQ	Bottom	8,207	5,609	2,011	425	4,119	11,491
STORY19	P10	MAX W, EQ	Top	9,022	5,663	2,016	424	4,134	11,812
STORY19	P10	MAX W, EQ	Bottom	9,022	5,663	2,016	424	4,134	11,736
STORY18	P10	MAX W, EQ	Top	9,794	5,703	2,016	421	4,131	11,832
STORY18	P10	MAX W, EQ	Bottom	9,794	5,703	2,016	421	4,136	11,932
STORY17	P10	MAX W, EQ	Top	10,525	5,731	2,011	415	4,119	11,841
STORY17	P10	MAX W, EQ	Bottom	10,525	5,731	2,011	415	4,128	12,088
STORY16	P10	MAX W, EQ	Top	11,224	5,752	2,002	410	4,098	11,958
STORY16	P10	MAX W, EQ	Bottom	11,224	5,752	2,002	410	4,111	12,214
STORY15	P10	MAX W, EQ	Top	11,902	5,765	1,989	404	4,070	12,008
STORY15	P10	MAX W, EQ	Bottom	11,902	5,765	1,989	404	4,085	12,322
STORY14	P10	MAX W, EQ	Top	12,580	5,877	1,971	400	4,032	11,968
STORY14	P10	MAX W, EQ	Bottom	12,580	5,877	1,971	400	4,051	12,419
STORY13	P10	MAX W, EQ	Top	13,275	5,978	1,949	396	3,983	11,801
STORY13	P10	MAX W, EQ	Bottom	13,275	5,978	1,949	396	4,007	12,710
STORY12	P10	MAX W, EQ	Top	14,007	6,019	1,920	392	3,920	11,469

STORY12	P10	MAX W, EQ	Bottom	14,007	6,019	1,920	392	3,951	13,208
STORY11	P10	MAX W, EQ	Top	14,798	6,037	1,874	389	3,827	11,063
STORY11	P10	MAX W, EQ	Bottom	14,798	6,037	1,874	389	3,857	13,746
STORY10	P10	MAX W, EQ	Top	15,616	6,037	1,878	388	3,771	10,633
STORY10	P10	MAX W, EQ	Bottom	15,616	6,037	1,878	388	3,930	14,486
STORY9	P10	MAX W, EQ	Top	16,756	4,355	1,146	326	2,967	9,436
STORY9	P10	MAX W, EQ	Bottom	16,756	4,355	1,146	326	3,053	14,024
STORY8	P10	MAX W, EQ	Top	17,922	5,477	1,535	358	3,297	9,022
STORY8	P10	MAX W, EQ	Bottom	17,922	5,477	1,535	358	3,152	14,796
STORY7	P10	MAX W, EQ	Top	18,871	7,023	2,656	486	3,742	7,655
STORY7	P10	MAX W, EQ	Bottom	18,871	7,023	2,656	486	3,695	13,659
STORY6	P10	MAX W, EQ	Top	19,708	7,016	2,384	466	3,269	7,369
STORY6	P10	MAX W, EQ	Bottom	19,708	7,016	2,384	466	3,405	13,725
STORY5	P10	MAX W, EQ	Top	20,573	6,570	2,252	446	3,088	6,523
STORY5	P10	MAX W, EQ	Bottom	20,573	6,570	2,252	446	3,218	13,594
STORY4	P10	MAX W, EQ	Top	21,433	6,211	2,042	419	2,811	5,643
STORY4	P10	MAX W, EQ	Bottom	21,433	6,211	2,042	419	2,908	13,678
STORY3	P10	MAX W, EQ	Top	22,217	5,411	2,146	395	2,752	4,539
STORY3	P10	MAX W, EQ	Bottom	22,217	5,411	2,146	395	3,258	12,962
STORY2	P10	MAX W, EQ	Top	23,365	2,673	228	166	847	3,778
STORY2	P10	MAX W, EQ	Bottom	23,365	2,673	228	166	266	11,319
MEZZ	P10	MAX W, EQ	Top	24,159	1,893	213	187	229	4,379
MEZZ	P10	MAX W, EQ	Bottom	24,159	1,893	213	187	1,059	12,898
STORY1	P10	MAX W, EQ	Top	25,062	3,601	603	156	983	3,677
STORY1	P10	MAX W, EQ	Bottom	25,062	3,601	603	156	1,129	16,280
BASEMENT	P10	MAX W, EQ	Top	25,020	12,383	404	130	404	11,525
BASEMENT	P10	MAX W, EQ	Bottom	25,020	12,383	404	130	0	23,908
STORY28	P11	MAX W, EQ	Top	292	4,148	2,163	271	4,780	10,710
STORY28	P11	MAX W, EQ	Bottom	292	4,148	2,163	271	4,089	6,299
STORY27	P11	MAX W, EQ	Top	918	3,697	1,819	261	3,715	8,373
STORY27	P11	MAX W, EQ	Bottom	918	3,697	1,819	261	3,744	6,793
STORY26	P11	MAX W, EQ	Top	1,749	3,767	1,906	280	3,931	8,466
STORY26	P11	MAX W, EQ	Bottom	1,749	3,767	1,906	280	3,882	6,996
STORY25	P11	MAX W, EQ	Top	2,568	3,991	1,941	298	3,997	8,936
STORY25	P11	MAX W, EQ	Bottom	2,568	3,991	1,941	298	3,961	7,474
STORY24	P11	MAX W, EQ	Top	3,343	4,159	1,980	314	4,076	9,164
STORY24	P11	MAX W, EQ	Bottom	3,343	4,159	1,980	314	4,043	7,981
STORY23	P11	MAX W, EQ	Top	4,073	4,311	2,014	327	4,142	9,336
STORY23	P11	MAX W, EQ	Bottom	4,073	4,311	2,014	327	4,115	8,491
STORY22	P11	MAX W, EQ	Top	4,754	4,436	2,041	335	4,195	9,929
STORY22	P11	MAX W, EQ	Bottom	4,754	4,436	2,041	335	4,175	8,962
STORY21	P11	MAX W, EQ	Top	5,384	4,538	2,061	339	4,232	10,506
STORY21	P11	MAX W, EQ	Bottom	5,384	4,538	2,061	339	4,219	9,379
STORY20	P11	MAX W, EQ	Top	5,962	4,801	2,074	339	4,255	11,047
STORY20	P11	MAX W, EQ	Bottom	5,962	4,801	2,074	339	4,248	9,736
STORY19	P11	MAX W, EQ	Top	6,482	5,093	2,079	335	4,263	11,543
STORY19	P11	MAX W, EQ	Bottom	6,482	5,093	2,079	335	4,263	10,034
STORY18	P11	MAX W, EQ	Top	6,942	5,376	2,079	327	4,260	11,978
STORY18	P11	MAX W, EQ	Bottom	6,942	5,376	2,079	327	4,264	10,284

STORY17	P11	MAX W,EQ	Top	7,338	5,642	2,073	318	4,247	12,340
STORY17	P11	MAX W,EQ	Bottom	7,338	5,642	2,073	318	4,255	10,794
STORY16	P11	MAX W,EQ	Top	7,664	5,892	2,063	310	4,224	12,613
STORY16	P11	MAX W,EQ	Bottom	7,664	5,892	2,063	310	4,236	11,544
STORY15	P11	MAX W,EQ	Top	7,916	6,096	2,049	322	4,194	12,751
STORY15	P11	MAX W,EQ	Bottom	7,916	6,096	2,049	322	4,208	12,244
STORY14	P11	MAX W,EQ	Top	8,089	6,270	2,030	332	4,153	12,792
STORY14	P11	MAX W,EQ	Bottom	8,089	6,270	2,030	332	4,170	12,915
STORY13	P11	MAX W,EQ	Top	8,177	6,403	2,005	340	4,100	12,695
STORY13	P11	MAX W,EQ	Bottom	8,177	6,403	2,005	340	4,121	13,556
STORY12	P11	MAX W,EQ	Top	8,179	6,477	1,973	345	4,031	12,423
STORY12	P11	MAX W,EQ	Bottom	8,179	6,477	1,973	345	4,059	14,132
STORY11	P11	MAX W,EQ	Top	8,087	6,499	1,922	345	3,929	11,977
STORY11	P11	MAX W,EQ	Bottom	8,087	6,499	1,922	345	3,953	14,669
STORY10	P11	MAX W,EQ	Top	7,943	6,534	1,926	341	3,868	11,275
STORY10	P11	MAX W,EQ	Bottom	7,943	6,534	1,926	341	4,030	15,513
STORY9	P11	MAX W,EQ	Top	7,574	4,739	1,174	250	3,043	9,837
STORY9	P11	MAX W,EQ	Bottom	7,574	4,739	1,174	250	3,123	15,044
STORY8	P11	MAX W,EQ	Top	7,253	5,874	1,570	294	3,375	9,072
STORY8	P11	MAX W,EQ	Bottom	7,253	5,874	1,570	294	3,219	15,599
STORY7	P11	MAX W,EQ	Top	7,275	7,691	2,714	456	3,828	7,054
STORY7	P11	MAX W,EQ	Bottom	7,275	7,691	2,714	456	3,773	14,480
STORY6	P11	MAX W,EQ	Top	7,418	7,595	2,435	430	3,343	6,813
STORY6	P11	MAX W,EQ	Bottom	7,418	7,595	2,435	430	3,476	14,454
STORY5	P11	MAX W,EQ	Top	7,561	7,102	2,301	408	3,158	5,672
STORY5	P11	MAX W,EQ	Bottom	7,561	7,102	2,301	408	3,286	14,213
STORY4	P11	MAX W,EQ	Top	7,716	6,710	2,085	384	2,873	4,758
STORY4	P11	MAX W,EQ	Bottom	7,716	6,710	2,085	384	2,964	14,208
STORY3	P11	MAX W,EQ	Top	7,884	6,081	2,196	368	2,816	3,634
STORY3	P11	MAX W,EQ	Bottom	7,884	6,081	2,196	368	3,332	13,989
STORY2	P11	MAX W,EQ	Top	8,055	2,696	227	170	856	2,680
STORY2	P11	MAX W,EQ	Bottom	8,055	2,696	227	170	256	11,269
MEZZ	P11	MAX W,EQ	Top	8,194	2,165	222	162	221	3,822
MEZZ	P11	MAX W,EQ	Bottom	8,194	2,165	222	162	1,087	13,565
STORY1	P11	MAX W,EQ	Top	8,495	3,678	612	148	1,002	3,617
STORY1	P11	MAX W,EQ	Bottom	8,495	3,678	612	148	1,139	16,491
BASEMENT	P11	MAX W,EQ	Top	8,462	12,129	412	129	412	11,577
BASEMENT	P11	MAX W,EQ	Bottom	8,462	12,129	412	129	0	23,706
STORY28	P12	MAX W,EQ	Top	1,461	4,272	2,296	280	5,169	10,910
STORY28	P12	MAX W,EQ	Bottom	1,461	4,272	2,296	280	4,246	6,607
STORY27	P12	MAX W,EQ	Top	2,643	3,674	1,801	278	3,653	8,344
STORY27	P12	MAX W,EQ	Bottom	2,643	3,674	1,801	278	3,733	6,723
STORY26	P12	MAX W,EQ	Top	4,008	3,911	1,918	294	3,963	8,890
STORY26	P12	MAX W,EQ	Bottom	4,008	3,911	1,918	294	3,902	7,161
STORY25	P12	MAX W,EQ	Top	5,420	4,132	1,945	307	4,005	9,279
STORY25	P12	MAX W,EQ	Bottom	5,420	4,132	1,945	307	3,968	7,709
STORY24	P12	MAX W,EQ	Top	6,890	4,332	1,980	318	4,076	9,555
STORY24	P12	MAX W,EQ	Bottom	6,890	4,332	1,980	318	4,041	8,297
STORY23	P12	MAX W,EQ	Top	8,423	4,504	2,006	327	4,127	9,740

STORY23	P12	MAX W,EQ	Bottom	8,423	4,504	2,006	327	4,098	8,874
STORY22	P12	MAX W,EQ	Top	10,023	4,641	2,024	334	4,161	9,845
STORY22	P12	MAX W,EQ	Bottom	10,023	4,641	2,024	334	4,139	9,399
STORY21	P12	MAX W,EQ	Top	11,699	4,746	2,033	338	4,175	10,434
STORY21	P12	MAX W,EQ	Bottom	11,699	4,746	2,033	338	4,161	9,851
STORY20	P12	MAX W,EQ	Top	13,455	4,822	2,032	340	4,170	10,999
STORY20	P12	MAX W,EQ	Bottom	13,455	4,822	2,032	340	4,163	10,223
STORY19	P12	MAX W,EQ	Top	15,298	5,079	2,023	339	4,147	11,519
STORY19	P12	MAX W,EQ	Bottom	15,298	5,079	2,023	339	4,146	10,519
STORY18	P12	MAX W,EQ	Top	17,234	5,373	2,005	337	4,109	11,979
STORY18	P12	MAX W,EQ	Bottom	17,234	5,373	2,005	337	4,113	10,749
STORY17	P12	MAX W,EQ	Top	19,272	5,652	1,981	333	4,057	12,367
STORY17	P12	MAX W,EQ	Bottom	19,272	5,652	1,981	333	4,065	10,929
STORY16	P12	MAX W,EQ	Top	21,420	5,914	1,951	333	3,994	12,667
STORY16	P12	MAX W,EQ	Bottom	21,420	5,914	1,951	333	4,005	11,580
STORY15	P12	MAX W,EQ	Top	23,688	6,132	1,916	346	3,921	12,833
STORY15	P12	MAX W,EQ	Bottom	23,688	6,132	1,916	346	3,935	12,306
STORY14	P12	MAX W,EQ	Top	26,085	6,317	1,876	357	3,839	12,903
STORY14	P12	MAX W,EQ	Bottom	26,085	6,317	1,876	357	3,855	12,998
STORY13	P12	MAX W,EQ	Top	28,624	6,466	1,835	364	3,750	12,840
STORY13	P12	MAX W,EQ	Bottom	28,624	6,466	1,835	364	3,773	13,673
STORY12	P12	MAX W,EQ	Top	31,321	6,522	1,771	369	3,630	12,587
STORY12	P12	MAX W,EQ	Bottom	31,321	6,522	1,771	369	3,631	14,153
STORY11	P12	MAX W,EQ	Top	34,190	6,719	1,804	369	3,610	12,307
STORY11	P12	MAX W,EQ	Bottom	34,190	6,719	1,804	369	3,787	15,241
STORY10	P12	MAX W,EQ	Top	37,259	6,027	1,142	439	2,812	11,045
STORY10	P12	MAX W,EQ	Bottom	37,259	6,027	1,142	439	1,885	13,666
STORY9	P12	MAX W,EQ	Top	30,939	18,386	12,427	6,950	32,848	57,239
STORY9	P12	MAX W,EQ	Bottom	30,939	18,386	12,427	6,950	32,393	42,119
STORY8	P12	MAX W,EQ	Top	32,363	11,015	13,325	5,831	23,601	29,335
STORY8	P12	MAX W,EQ	Bottom	32,363	11,015	13,325	5,831	32,364	55,128
STORY7	P12	MAX W,EQ	Top	39,245	9,644	17,735	8,702	19,479	40,923
STORY7	P12	MAX W,EQ	Bottom	39,245	9,644	17,735	8,702	30,179	51,868
STORY6	P12	MAX W,EQ	Top	48,768	9,990	17,069	7,844	18,308	39,396
STORY6	P12	MAX W,EQ	Bottom	48,768	9,990	17,069	7,844	29,484	51,310
STORY5	P12	MAX W,EQ	Top	65,557	10,130	15,983	7,261	16,160	39,386
STORY5	P12	MAX W,EQ	Bottom	65,557	10,130	15,983	7,261	28,593	53,080
STORY4	P12	MAX W,EQ	Top	81,188	9,693	15,005	6,756	14,804	41,265
STORY4	P12	MAX W,EQ	Bottom	81,188	9,693	15,005	6,756	28,002	55,556
STORY3	P12	MAX W,EQ	Top	95,596	8,585	13,634	6,675	13,156	43,854
STORY3	P12	MAX W,EQ	Bottom	95,596	8,585	13,634	6,675	26,957	56,298
STORY2	P12	MAX W,EQ	Top	108,318	8,555	6,454	2,665	11,226	44,462
STORY2	P12	MAX W,EQ	Bottom	108,318	8,555	6,454	2,665	23,669	78,064
MEZZ	P12	MAX W,EQ	Top	118,848	8,620	5,506	2,896	12,559	78,626
MEZZ	P12	MAX W,EQ	Bottom	118,848	8,620	5,506	2,896	29,301	114,054
STORY1	P12	MAX W,EQ	Top	94,255	11,094	4,223	4,801	3,141	79,813
STORY1	P12	MAX W,EQ	Bottom	127,071	11,427	6,712	2,316	33,917	144,523
BASEMENT	P12	MAX W,EQ	Top	131,338	14,246	15,165	2,671	26,748	142,406
BASEMENT	P12	MAX W,EQ	Bottom	131,338	14,246	15,165	2,671	37,349	155,427

STORY9	P13	MAX W,EQ	Top	8,216	14,782	1,525	320	4,399	40,193
STORY9	P13	MAX W,EQ	Bottom	8,216	14,782	1,525	320	3,610	37,414
STORY8	P13	MAX W,EQ	Top	18,952	15,703	1,465	352	3,100	31,187
STORY8	P13	MAX W,EQ	Bottom	18,952	15,703	1,465	352	3,054	34,767
STORY7	P13	MAX W,EQ	Top	26,964	22,303	2,660	513	3,765	29,199
STORY7	P13	MAX W,EQ	Bottom	26,964	22,303	2,660	513	3,684	33,249
STORY6	P13	MAX W,EQ	Top	33,083	21,015	2,363	489	3,244	26,648
STORY6	P13	MAX W,EQ	Bottom	33,083	21,015	2,363	489	3,371	32,195
STORY5	P13	MAX W,EQ	Top	38,459	19,689	2,230	460	3,068	24,409
STORY5	P13	MAX W,EQ	Bottom	38,459	19,689	2,230	460	3,176	30,721
STORY4	P13	MAX W,EQ	Top	43,570	18,553	1,995	427	2,759	22,411
STORY4	P13	MAX W,EQ	Bottom	43,570	18,553	1,995	427	2,826	29,538
STORY3	P13	MAX W,EQ	Top	48,741	17,549	2,057	384	2,654	19,734
STORY3	P13	MAX W,EQ	Bottom	48,741	17,549	2,057	384	3,107	29,405
STORY2	P13	MAX W,EQ	Top	54,903	7,394	252	140	900	14,276
STORY2	P13	MAX W,EQ	Bottom	54,903	7,394	252	140	297	20,845
MEZZ	P13	MAX W,EQ	Top	60,007	7,058	181	169	166	9,885
MEZZ	P13	MAX W,EQ	Bottom	60,007	7,058	181	169	971	22,422
STORY1	P13	MAX W,EQ	Top	53,318	9,495	1,037	3,330	84,779	126,989
STORY1	P13	MAX W,EQ	Bottom	65,142	7,137	624	141	1,121	19,299
BASEMENT	P13	MAX W,EQ	Top	66,257	14,742	252	158	252	5,158
BASEMENT	P13	MAX W,EQ	Bottom	66,257	14,742	252	158	0	19,900
STORY28	P2	MAX W,EQ	Top	3,551	5,910	8,900	2,100	22,725	35,149
STORY28	P2	MAX W,EQ	Bottom	3,551	5,910	8,900	2,100	13,767	11,257
STORY27	P2	MAX W,EQ	Top	8,081	11,235	6,243	2,430	13,185	50,950
STORY27	P2	MAX W,EQ	Bottom	8,081	11,235	6,243	2,430	12,414	8,416
STORY26	P2	MAX W,EQ	Top	12,748	11,085	6,828	2,412	14,992	47,115
STORY26	P2	MAX W,EQ	Bottom	12,748	11,085	6,828	2,412	13,013	13,288
STORY25	P2	MAX W,EQ	Top	17,584	11,567	6,997	2,581	15,256	46,785
STORY25	P2	MAX W,EQ	Bottom	17,584	11,567	6,997	2,581	13,464	20,371
STORY24	P2	MAX W,EQ	Top	22,595	12,179	7,230	2,783	15,670	47,486
STORY24	P2	MAX W,EQ	Bottom	22,595	12,179	7,230	2,783	14,038	28,024
STORY23	P2	MAX W,EQ	Top	27,771	12,786	7,422	2,976	15,936	48,602
STORY23	P2	MAX W,EQ	Bottom	27,771	12,786	7,422	2,976	14,603	35,968
STORY22	P2	MAX W,EQ	Top	33,091	13,245	7,585	3,112	16,566	50,073
STORY22	P2	MAX W,EQ	Bottom	33,091	13,245	7,585	3,112	15,133	44,031
STORY21	P2	MAX W,EQ	Top	38,528	13,539	7,714	3,183	17,255	52,289
STORY21	P2	MAX W,EQ	Bottom	38,528	13,539	7,714	3,183	15,601	51,969
STORY20	P2	MAX W,EQ	Top	44,055	13,685	8,047	3,195	17,893	55,440
STORY20	P2	MAX W,EQ	Bottom	44,055	13,685	8,047	3,195	15,995	59,481
STORY19	P2	MAX W,EQ	Top	49,641	13,716	8,386	3,158	18,465	59,384
STORY19	P2	MAX W,EQ	Bottom	49,641	13,716	8,386	3,158	16,313	66,251
STORY18	P2	MAX W,EQ	Top	55,261	13,676	8,707	3,091	18,952	63,723
STORY18	P2	MAX W,EQ	Bottom	55,261	13,676	8,707	3,091	16,746	71,994
STORY17	P2	MAX W,EQ	Top	61,292	13,610	9,002	3,016	19,335	67,954
STORY17	P2	MAX W,EQ	Bottom	61,292	13,610	9,002	3,016	17,574	76,507
STORY16	P2	MAX W,EQ	Top	68,078	13,562	9,265	2,957	19,590	71,604
STORY16	P2	MAX W,EQ	Bottom	68,078	13,562	9,265	2,957	18,397	79,710
STORY15	P2	MAX W,EQ	Top	75,058	13,563	9,470	2,931	19,675	74,307

STORY15	P2	MAX W,EQ	Bottom	75,058	13,563	9,470	2,931	19,154	81,648
STORY14	P2	MAX W,EQ	Top	82,190	13,634	9,625	2,953	19,612	75,815
STORY14	P2	MAX W,EQ	Bottom	82,190	13,634	9,625	2,953	19,851	82,486
STORY13	P2	MAX W,EQ	Top	89,428	13,799	9,716	3,033	19,360	75,987
STORY13	P2	MAX W,EQ	Bottom	89,428	13,799	9,716	3,033	20,476	82,524
STORY12	P2	MAX W,EQ	Top	96,717	14,063	9,735	3,176	18,887	74,742
STORY12	P2	MAX W,EQ	Bottom	96,717	14,063	9,735	3,176	21,027	82,215
STORY11	P2	MAX W,EQ	Top	103,987	14,346	9,633	3,367	18,141	72,122
STORY11	P2	MAX W,EQ	Bottom	103,987	14,346	9,633	3,367	21,353	82,088
STORY10	P2	MAX W,EQ	Top	111,163	13,458	9,689	3,086	17,239	68,437
STORY10	P2	MAX W,EQ	Bottom	111,163	13,458	9,689	3,086	22,488	80,240
STORY9	P2	MAX W,EQ	Top	99,405	12,300	6,469	5,230	12,919	51,240
STORY9	P2	MAX W,EQ	Bottom	118,125	13,982	6,862	4,181	21,128	89,100
STORY8	P2	MAX W,EQ	Top	124,855	12,807	8,434	3,443	14,215	62,160
STORY8	P2	MAX W,EQ	Bottom	124,855	12,807	8,434	3,443	21,208	89,772
STORY7	P2	MAX W,EQ	Top	131,161	14,246	11,618	2,879	11,910	60,379
STORY7	P2	MAX W,EQ	Bottom	131,161	14,246	11,618	2,879	20,620	85,835
STORY6	P2	MAX W,EQ	Top	137,106	15,837	10,996	3,739	10,639	57,652
STORY6	P2	MAX W,EQ	Bottom	137,106	15,837	10,996	3,739	20,151	86,678
STORY5	P2	MAX W,EQ	Top	142,710	16,376	10,308	4,095	9,200	58,057
STORY5	P2	MAX W,EQ	Bottom	142,710	16,376	10,308	4,095	19,664	90,665
STORY4	P2	MAX W,EQ	Top	147,925	15,469	9,516	4,034	7,756	61,481
STORY4	P2	MAX W,EQ	Bottom	147,925	15,469	9,516	4,034	19,088	94,682
STORY3	P2	MAX W,EQ	Top	152,690	12,367	8,947	2,939	6,437	65,910
STORY3	P2	MAX W,EQ	Bottom	152,690	12,367	8,947	2,939	19,314	92,929
STORY2	P2	MAX W,EQ	Top	156,961	15,653	3,622	6,078	4,069	65,747
STORY2	P2	MAX W,EQ	Bottom	156,961	15,653	3,622	6,078	14,370	131,078
MEZZ	P2	MAX W,EQ	Top	159,373	17,113	2,911	6,777	4,207	123,029
MEZZ	P2	MAX W,EQ	Bottom	159,373	17,113	2,911	6,777	17,305	195,811
STORY1	P2	MAX W,EQ	Top	161,688	26,628	4,238	8,942	3,258	173,320
STORY1	P2	MAX W,EQ	Bottom	161,688	26,628	4,238	8,942	18,090	261,303
BASEMENT	P2	MAX W,EQ	Top	162,683	48,278	21,180	18,430	10,402	251,600
BASEMENT	P2	MAX W,EQ	Bottom	162,683	48,278	21,180	18,430	31,582	297,818
STORY28	P3	MAX W,EQ	Top	3,455	8,179	7,199	1,398	18,506	40,793
STORY28	P3	MAX W,EQ	Bottom	3,455	8,179	7,199	1,398	11,013	8,278
STORY27	P3	MAX W,EQ	Top	8,413	12,685	5,422	2,367	11,804	53,969
STORY27	P3	MAX W,EQ	Bottom	8,413	12,685	5,422	2,367	10,431	7,017
STORY26	P3	MAX W,EQ	Top	13,681	12,702	5,857	2,060	13,040	50,709
STORY26	P3	MAX W,EQ	Bottom	13,681	12,702	5,857	2,060	10,985	12,825
STORY25	P3	MAX W,EQ	Top	19,242	13,141	6,065	2,270	13,385	50,159
STORY25	P3	MAX W,EQ	Bottom	19,242	13,141	6,065	2,270	11,520	20,365
STORY24	P3	MAX W,EQ	Top	25,072	13,750	6,302	2,472	13,759	50,753
STORY24	P3	MAX W,EQ	Bottom	25,072	13,750	6,302	2,472	12,157	28,356
STORY23	P3	MAX W,EQ	Top	31,139	14,365	6,500	2,680	14,467	51,719
STORY23	P3	MAX W,EQ	Bottom	31,139	14,365	6,500	2,680	12,788	36,605
STORY22	P3	MAX W,EQ	Top	37,400	14,835	6,667	2,834	15,197	52,954
STORY22	P3	MAX W,EQ	Bottom	37,400	14,835	6,667	2,834	13,377	44,934
STORY21	P3	MAX W,EQ	Top	43,805	15,135	7,022	2,927	15,899	54,839
STORY21	P3	MAX W,EQ	Bottom	43,805	15,135	7,022	2,927	13,898	53,096

STORY20	P3	MAX W,EQ	Top	50,305	15,282	7,381	2,965	16,557	57,609
STORY20	P3	MAX W,EQ	Bottom	50,305	15,282	7,381	2,965	14,342	60,790
STORY19	P3	MAX W,EQ	Top	56,852	15,308	7,736	2,962	17,159	61,169
STORY19	P3	MAX W,EQ	Bottom	56,852	15,308	7,736	2,962	14,710	67,705
STORY18	P3	MAX W,EQ	Top	63,410	15,254	8,077	2,934	17,687	65,153
STORY18	P3	MAX W,EQ	Bottom	63,410	15,254	8,077	2,934	15,429	73,564
STORY17	P3	MAX W,EQ	Top	69,946	15,167	8,399	2,903	18,126	69,071
STORY17	P3	MAX W,EQ	Bottom	69,946	15,167	8,399	2,903	16,311	78,174
STORY16	P3	MAX W,EQ	Top	76,440	15,087	8,697	2,890	18,454	72,452
STORY16	P3	MAX W,EQ	Bottom	76,440	15,087	8,697	2,890	17,203	81,460
STORY15	P3	MAX W,EQ	Top	82,878	15,044	8,944	2,910	18,627	74,920
STORY15	P3	MAX W,EQ	Bottom	82,878	15,044	8,944	2,910	18,042	83,472
STORY14	P3	MAX W,EQ	Top	89,253	15,057	9,151	2,972	18,676	76,217
STORY14	P3	MAX W,EQ	Bottom	89,253	15,057	9,151	2,972	18,842	84,375
STORY13	P3	MAX W,EQ	Top	96,987	15,144	9,305	3,085	18,560	76,190
STORY13	P3	MAX W,EQ	Bottom	96,987	15,144	9,305	3,085	19,591	84,441
STORY12	P3	MAX W,EQ	Top	106,716	15,336	9,399	3,257	18,454	74,740
STORY12	P3	MAX W,EQ	Bottom	106,716	15,336	9,399	3,257	20,288	84,145
STORY11	P3	MAX W,EQ	Top	116,656	15,643	9,399	3,514	17,708	71,870
STORY11	P3	MAX W,EQ	Bottom	116,656	15,643	9,399	3,514	20,830	84,315
STORY10	P3	MAX W,EQ	Top	126,691	15,099	9,524	3,471	16,952	67,955
STORY10	P3	MAX W,EQ	Bottom	126,691	15,099	9,524	3,471	22,095	83,988
STORY9	P3	MAX W,EQ	Top	155,010	15,962	7,069	6,591	16,298	222,523
STORY9	P3	MAX W,EQ	Bottom	136,289	14,118	6,676	4,045	20,732	89,888
STORY8	P3	MAX W,EQ	Top	145,540	14,097	8,420	3,761	14,071	59,821
STORY8	P3	MAX W,EQ	Bottom	145,540	14,097	8,420	3,761	21,293	92,121
STORY7	P3	MAX W,EQ	Top	154,304	15,303	11,393	2,875	11,549	58,999
STORY7	P3	MAX W,EQ	Bottom	154,304	15,303	11,393	2,875	20,352	87,558
STORY6	P3	MAX W,EQ	Top	162,594	16,959	10,916	3,878	10,651	56,174
STORY6	P3	MAX W,EQ	Bottom	162,594	16,959	10,916	3,878	19,913	88,246
STORY5	P3	MAX W,EQ	Top	170,462	17,412	10,285	4,201	9,328	56,669
STORY5	P3	MAX W,EQ	Bottom	170,462	17,412	10,285	4,201	19,471	92,015
STORY4	P3	MAX W,EQ	Top	177,836	16,311	9,532	4,135	7,762	60,063
STORY4	P3	MAX W,EQ	Bottom	177,836	16,311	9,532	4,135	18,929	95,515
STORY3	P3	MAX W,EQ	Top	184,627	13,388	8,949	2,964	6,282	64,194
STORY3	P3	MAX W,EQ	Bottom	184,627	13,388	8,949	2,964	19,050	93,937
STORY2	P3	MAX W,EQ	Top	190,795	15,730	3,694	6,119	4,219	64,456
STORY2	P3	MAX W,EQ	Bottom	190,795	15,730	3,694	6,119	14,233	130,143
MEZZ	P3	MAX W,EQ	Top	193,686	17,611	2,955	7,029	4,293	123,157
MEZZ	P3	MAX W,EQ	Bottom	193,686	17,611	2,955	7,029	17,589	198,157
STORY1	P3	MAX W,EQ	Top	197,397	26,480	4,645	8,936	3,235	173,900
STORY1	P3	MAX W,EQ	Bottom	197,397	26,480	4,645	8,936	19,493	261,508
BASEMENT	P3	MAX W,EQ	Top	198,928	44,421	16,413	14,163	12,016	251,238
BASEMENT	P3	MAX W,EQ	Bottom	198,928	44,421	16,413	14,163	28,429	293,503
STORY28	P4	MAX W,EQ	Top	15,675	13,456	4,840	5,073	8,051	25,544
STORY28	P4	MAX W,EQ	Bottom	19,467	12,847	3,261	2,213	5,329	36,217
STORY27	P4	MAX W,EQ	Top	33,726	17,446	4,181	4,399	6,590	62,753
STORY27	P4	MAX W,EQ	Bottom	31,863	16,866	3,002	2,412	5,096	50,935
STORY26	P4	MAX W,EQ	Top	44,896	21,907	4,436	4,680	7,003	80,179



STORY26	P4	MAX W,EQ	Bottom	41,441	21,050	3,162	2,565	5,331	57,175
STORY25	P4	MAX W,EQ	Top	53,671	25,529	4,596	4,932	7,203	88,066
STORY25	P4	MAX W,EQ	Bottom	50,207	24,443	3,256	2,745	5,488	60,640
STORY24	P4	MAX W,EQ	Top	61,573	28,448	4,736	5,147	7,380	90,956
STORY24	P4	MAX W,EQ	Bottom	58,923	27,184	3,339	2,924	5,632	66,715
STORY23	P4	MAX W,EQ	Top	69,398	30,685	4,849	5,325	7,517	100,109
STORY23	P4	MAX W,EQ	Bottom	67,905	29,285	3,408	3,090	5,756	78,136
STORY22	P4	MAX W,EQ	Top	77,532	32,281	4,933	5,459	7,609	106,982
STORY22	P4	MAX W,EQ	Bottom	77,221	30,784	3,458	3,230	5,853	93,855
STORY21	P4	MAX W,EQ	Top	86,118	33,329	4,986	5,544	7,657	111,792
STORY21	P4	MAX W,EQ	Bottom	86,710	31,774	3,488	3,336	5,919	111,412
STORY20	P4	MAX W,EQ	Top	95,028	33,984	5,009	5,584	7,664	116,615
STORY20	P4	MAX W,EQ	Bottom	96,021	32,403	3,500	3,405	5,954	128,822
STORY19	P4	MAX W,EQ	Top	103,907	34,435	5,007	5,583	7,637	130,278
STORY19	P4	MAX W,EQ	Bottom	104,687	32,848	3,494	3,437	5,960	144,875
STORY18	P4	MAX W,EQ	Top	112,260	34,872	4,984	5,550	7,584	144,377
STORY18	P4	MAX W,EQ	Bottom	112,218	33,286	3,475	3,437	5,940	158,946
STORY17	P4	MAX W,EQ	Top	119,564	35,462	4,946	5,496	7,513	157,753
STORY17	P4	MAX W,EQ	Bottom	118,169	33,867	3,446	3,412	5,901	170,792
STORY16	P4	MAX W,EQ	Top	125,345	36,334	4,900	5,432	7,430	169,578
STORY16	P4	MAX W,EQ	Bottom	122,197	34,709	3,409	3,371	5,846	180,382
STORY15	P4	MAX W,EQ	Top	129,235	38,151	4,848	5,371	7,338	179,191
STORY15	P4	MAX W,EQ	Bottom	124,095	37,068	3,367	3,326	5,779	187,763
STORY14	P4	MAX W,EQ	Top	131,016	41,098	4,795	5,320	7,239	186,030
STORY14	P4	MAX W,EQ	Bottom	123,831	39,848	3,321	3,286	5,706	192,959
STORY13	P4	MAX W,EQ	Top	130,612	43,889	4,736	5,284	7,127	189,547
STORY13	P4	MAX W,EQ	Bottom	121,562	42,467	3,268	3,255	5,616	196,144
STORY12	P4	MAX W,EQ	Top	128,151	46,450	4,689	5,239	7,016	189,488
STORY12	P4	MAX W,EQ	Bottom	117,723	44,850	3,229	3,238	5,575	197,928
STORY11	P4	MAX W,EQ	Top	124,010	49,427	4,526	5,365	6,752	186,069
STORY11	P4	MAX W,EQ	Bottom	113,843	47,640	3,036	3,252	5,139	200,602
STORY10	P4	MAX W,EQ	Top	122,727	55,905	5,022	4,487	7,250	180,185
STORY10	P4	MAX W,EQ	Bottom	118,716	54,013	3,710	3,075	7,103	218,176
STORY9	P4	MAX W,EQ	Top	128,247	54,359	4,399	4,974	7,638	188,888
STORY9	P4	MAX W,EQ	Bottom	119,398	53,849	2,862	2,695	6,210	234,467
STORY8	P4	MAX W,EQ	Top	123,407	49,791	5,079	4,209	8,125	166,012
STORY8	P4	MAX W,EQ	Bottom	124,102	47,698	3,531	2,632	6,422	267,211
STORY7	P4	MAX W,EQ	Top	128,253	55,136	6,898	3,936	8,458	162,747
STORY7	P4	MAX W,EQ	Bottom	129,698	51,522	5,479	3,916	7,262	263,794
STORY6	P4	MAX W,EQ	Top	133,840	59,387	6,341	3,804	7,545	156,079
STORY6	P4	MAX W,EQ	Bottom	136,775	55,765	5,014	3,663	6,788	272,248
STORY5	P4	MAX W,EQ	Top	141,495	62,231	6,078	3,766	7,184	152,190
STORY5	P4	MAX W,EQ	Bottom	146,105	58,536	4,791	3,634	6,505	287,361
STORY4	P4	MAX W,EQ	Top	151,350	64,128	5,667	3,658	6,630	166,669
STORY4	P4	MAX W,EQ	Bottom	157,706	60,296	4,417	3,627	6,009	306,859
STORY3	P4	MAX W,EQ	Top	163,337	63,844	5,673	3,460	6,351	190,751
STORY3	P4	MAX W,EQ	Bottom	171,723	59,674	4,546	3,735	6,529	322,061

