

Treadwell & Rollo

18 February 2009
Project 3157.04

Mr. Derrick Roorda, SE
DeSimone Consulting Engineers
160 Sansome Street, 16th Floor
San Francisco, California 94111

Subject: Response to DBI Letter
Settlements at 301 Mission Street
San Francisco, California

Dear Mr. Roorda:

This letter presents our responses to a letter by San Francisco Department of Building Inspection dated 2 February 2009 regarding settlements at 301 Mission Street. Specifically, our responses to questions two through six in the referenced letter are presented below:

Question 2: *What are the actual settlements now? What is the rate of settlements? Are the settlements still continuing? What the expected final total settlement of each building?*

Response 2: The actual settlement of the Tower is 8.3 inches. This is based on the latest survey of the benchmark on the core wall which was read on 12 February 2009. The rate of settlement from the latest survey reading is 0.003 inches/day. A plot of the settlement is attached. The results of our latest evaluations indicate that approximately two to four inches of additional settlement could occur in the future. We do not anticipate settlement for the Podium/Mid-Rise structure.

Question 3: *Are there any differential settlements within the high-rise building?*

Response 3: We are not aware of any differential settlement issues within the high-rise Tower.

Question 4: *Are the actual total and differential settlements being monitored now?*

Response 4: Currently the benchmark on the core wall is being monitored.

Question 5: *What are the reasons for the larger than expected settlements?*

Response 5: The larger than anticipated settlement can be attributed to several possible factors including extensive and longer than expected dewatering during the construction of Podium/Mid-Rise structure and limited effectiveness of predrilling during the installation of pile foundations for the Tower.

Question 6: *Has the geotechnical engineer of record been alerted to the settlement and what is their course of action?*

Response 6: Treadwell & Rollo, Inc. as the geotechnical engineer of record has been aware of the settlement of the Tower and continues to evaluate the results of the monitoring by Martin M. Ron Associates, Inc. While the settlement of the Tower is greater than originally anticipated, this settlement should not pose issues with foundation support for the Tower.

Treadwell&Rollo

Mr. Derrick Roorda, SE
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Page 2

We trust this letter provides the responses requested. If you have any questions, please call.

Sincerely yours,
TREADWELL & ROLLO, INC.



Ramtin Golesorkhi, G.E.
Principal

31570417.RG

Attachment: Settlement Plot

cc: Mr. Steven Hood (Millennium Partners)

Project No. 3157.04
301 Mission TOWER Settlement

Type	date	Ei (feet)	Movement between readings		days between readings	inches per day	Total Elapsed Time (days)	Total Settlement (inches)
			(feet)	inches				
Webcor reading	9/20/2006	7.829				0.000	0	0
MR reading	1/22/2007	7.779	0.050	0.602	124	0.005	124	0.602
MR reading	3/7/2007	7.744	0.035	0.420	44	0.010	168	1.022
MR reading	4/18/2007	7.715	0.029	0.348	42	0.008	210	1.370
MR reading	5/5/2007	7.673	0.042	0.504	48	0.011	258	1.874
MR reading	6/29/2007	7.653	0.020	0.240	23	0.010	281	2.114
MR reading	8/3/2007	7.607	0.046	0.552	36	0.015	317	2.666
MR reading	8/29/2007	7.58	0.027	0.324	25	0.013	342	2.990
MR reading	9/17/2007	7.557	0.023	0.278	20	0.014	362	3.266
MR reading	10/14/2007	7.511	0.046	0.552	27	0.020	389	3.818
MR reading	11/7/2007	7.478	0.033	0.396	24	0.017	413	4.214
MR reading	12/11/2007	7.425	0.053	0.636	34	0.019	447	4.850
MR reading	1/10/2008	7.377	0.048	0.576	30	0.019	477	5.426
MR reading	1/31/2008	7.338	0.039	0.468	21	0.022	498	5.894
MR reading	3/25/2008	7.292	0.046	0.552	54	0.010	552	6.446
MR reading	5/1/2008	7.261	0.031	0.372	37	0.010	589	6.818
MR reading	7/1/2008	7.221	0.040	0.360	61	0.006	650	7.178
MR reading	10/14/2008	7.177	0.054	0.648	106	0.006	756	7.826
MR reading	11/14/2008	7.169	0.008	0.096	31	0.003	786	7.922
MR reading	12/19/2008	7.151	0.018	0.216	35	0.006	821	8.138
MR reading	2/12/2009	7.136	0.015	0.180	55	0.003	876	8.318

0.893

6/17/2008 Tower Mat Pour
9/13/2006 street level poured (core up -3 levels)
7/22/2007 Decks to L9, core to L13
3/7/2007 Decks to L13, core to L16
4/18/2007 Decks to L18, core to L22
2/7/2008 Dewatering wells shut-off

