



C E L CONSULTING

A DIVISION OF CONSOLIDATED ENGINEERING

November 13, 2008

Project No. D50541

Mr. Gene Zastrow
Sutro Tower, Inc.
1 La Avanzada Street
San Francisco, CA 94131-1124

SUBJ: Sutro Tower – Routine Inspection of Leg C and South Face - 2008
San Francisco, CA

Dear Mr. Zastrow:

We have completed our inspection of Leg C, the South Trusses, the Strands and the Base of all legs. The inspection was performed on October 8th and 9th, 2008.

Purpose

The purpose of the inspection was to check the structural portions of the tower proper (not the attached equipment, etc.) for distress due to corrosion, structural overload and/or other signs of structural distress or potential deterioration.

Scope and Procedures

The survey was performed in general accordance with the recommended approach for a Routine Inspection as described in the Inspection Procedures. The undersigned and a staff engineer (Richard Ng) performed the inspection. The undersigned inspected the strands by naked eye and binocular.

The inspection was limited to visual observations and recording by entry on the data sheets for each portion of the tower being inspected. A specific photograph was taken for individual conditions. The data sheets and the photographs are coordinated.

Inspection Limitations

We inspected the tower from the interior of the leg and horizontal trusses. No attempt was made to inspect from the exterior of the trusses and legs other than what could be

seen by naked eye and binoculars (8x). These methods allow us to see most of each surface and connection, however there are still areas that are not visible.


Results

The individual results are shown on the data sheets, location sketches and photographs. The general results were as follows:

1. No structural members were noted with distorted or distressed conditions indicating structural overload.
2. Most of the distress noted was corroded fasteners. Either the nut (usually) or the head of the bolt, or both, were corroded. None of the fasteners were corroded to the point of producing flaking buildup. These fasteners should be cleaned and repainted. If however during the cleaning significant loss of metal is found, that is, if the flats of the nut or heads rounded at junction of the flats due to corrosion, the fastener should be replaced.
3. The skin showed no signs of structural distress.
4. The diagonal strands and sockets did not appear to be distressed however a small amount of corrosion is occurring on some of the strands. This corrosion should be addressed during the next scheduled construction at the site.
5. The bases of all three legs showed no significant observable distress.

This concludes our report of the routine inspection of Leg C and the South Face of Sutro Tower. If you have any questions please contact the undersigned.

Sincerely,
CEL Consulting


K. C. Dewell, Senior Engineer
Civil Engineer No. 29110

Cc: Ron Hamburger



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