



January 11, 2012

Mr. Stewart Wentworth
QUICK MOUNT PV
936 Detroit Avenue, Suite D
Concord, CA 94518-2539

Project Number 112012C

Subject: QBase with 6.5" Post Shear Load Testing

Dear Mr. Wentworth:

As requested, Applied Materials & Engineering, Inc. (AME) has completed load-testing the QBase hardware. The purpose of our testing was to evaluate the shear load capacity of the QBase with 6.5" post attached to a steel base plate.

SAMPLE DESCRIPTION

Five (5) mockup samples were delivered to our laboratory on January 9, 2012. Mockup configuration consisted QBase attached to a 6.5" post. Product hardware drawings are provided in Appendix A.

TEST PROCEDURES & RESULTS


Five samples were tested for shear strength on January 10, 2012 using a United Universal testing machine. The QBase was rigidly attached to the steel platen of the testing machine and a shear load was applied to the 5/16"x1" machine bolt connected to the aluminum standoff. The samples were loaded at a constant rate of axial deformation of 0.01 in./min. without shock until failure occurred. Based on the above testing, the average shear load of the QBase with 6.5" post attached to a steel base plate was determined to be 1142 lbf. Detailed results are provided in Table I. Test setup and typical failure modes are shown in Photograph 1 and Photograph 2, respectively.

If you have any questions regarding the above, please do not hesitate to call the undersigned.

Respectfully Submitted,

APPLIED MATERIALS & ENGINEERING, INC.

Reviewed By:


Mohammed Faiyaz
Laboratory Manager


Armen Tajirian, Ph.D. P.E.
Principal

TABLE I

**QBASE ATTACHED DIRECTLY TO STEEL BASE WITH 6.5" POST
SHEAR LOAD TEST RESULTS**

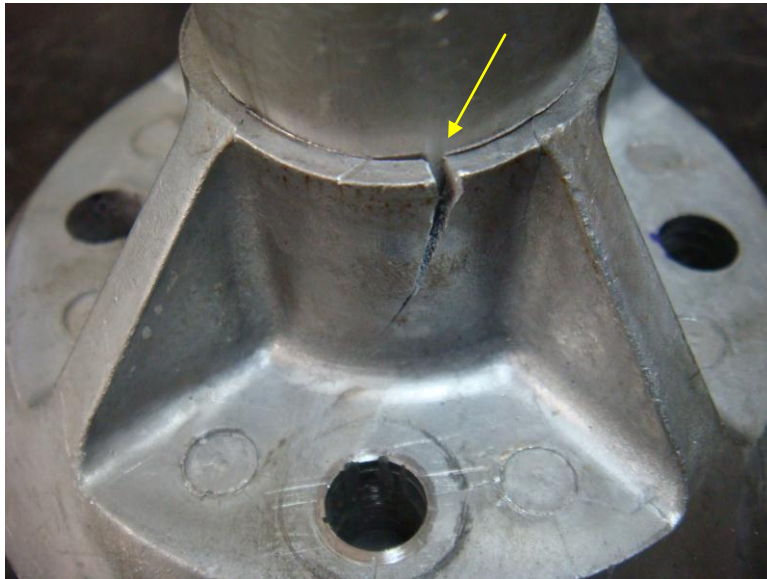
PROJECT NUMBER 112012C

| SAMPLE ID | ULTIMATE SHEAR LOAD (LBF) | FAILURE MODE |
|----------------------|--------------------------------------|---------------------|
| 1 | 1115 | QBase Cracked |
| 2 | 1235 | Post Compression |
| 3 | 1127 | QBase Cracked |
| 4 | 1007 | QBase Cracked |
| 5 | 1227 | Post Compression |
| AVERAGE | 1142 | .. |

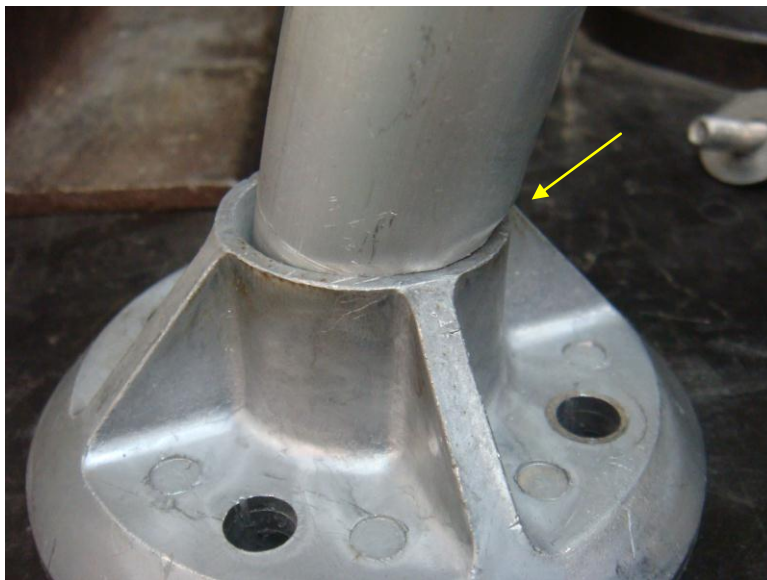
PHOTOGRAPH 2

QBASE ATTACHED DIRECTLY TO STEEL BASE WITH 6.5" POST
SHEAR LOAD TYPICAL FAILURE MODES

PROJECT NUMBER 112012C



QBase Crack



Post Compression

APPENDIX A

Stamped Engineering Test Reports Do Not Expire

To whom it may concern,

Quick Mount PV offers extensive testing for all our products conducted by a third-party licensed professional engineer. All our third-party engineering reports are stamped by a licensed professional engineer at the time the reports were prepared and **do not expire**. Our engineering reports continue to be valid as long as the professional engineer's license (date within the stamp) was valid when the reports were prepared (the report date). Even if the license has expired between the time the engineering reports were prepared and the time when a local agency reviews them, the reports do NOT need to be re-stamped with a current stamp.

This information is written into California State law under the Professional Engineers Act within the Business and Professions Code (B&P Code §§ 6700-6799). The California Board for Professional Engineers and Land Surveyors (BPELS) provides further clarification of the code in their Guide to Engineering & Land Surveying for City and County Officials, page 12 section 27, which is cited below.

27. If the license has expired between the time the engineering documents were prepared and the time when the local agency's review is performed, do the documents need to be re-sealed by a licensee with a current license? (B&P Code §§ 6733, 6735, 6735.3, 6735.4)

As long as the license was current at the time the engineering documents were prepared, the documents do not need to be re-sealed prior to review by the local agency. However, any changes (updates or modifications) to the documents that are made following the review by the local agency would have to be prepared by a licensed engineer with a current license and those changes would have to be signed and sealed.

It should also be noted that as of January 1, 2010 professional engineers are not required to include their license expiration date when they sign and stamp engineering documents only the date that they signed the document (B&P Code §§ 6735, 6735.3, 6735.4, 6764, 8750, 8761 & 8764.5). Links to all of the codes and guides referenced in this letter may be found online at quickmountpv.com under FAQ. Please submit any further questions to tech@quickmountpv.com.

Sincerely,



Jennifer D. Alfsen, BSME
R&D Mechanical Engineer
Quick Mount PV