



May 22, 2009

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

Project Number 109234C

Subject: QMTMH Tile Mount Load Testing

Dear Mr. Wentworth:

As requested, Applied Materials & Engineering, Inc. (AME) has completed load-testing QMTMH Tile Mount with Unirac angle for shear and tensile strength. The purpose of our testing was to evaluate the tensile and shear load capacity of QMTMH Tile Mount Hardware in Oriented Strand Board (OSB).

SAMPLE DESCRIPTION

Six (6) 24"x12"x4" thick samples with 1/2" thick OSB were delivered to our laboratory. Photographs showing sample makeup are provided in Appendix A.

PROCEDURES & RESULTS

1. Tensile Strength

Three samples were tested for tensile strength on May 18, 2009 using a United Universal testing machine. Samples were rigidly attached to the testing machine and a tensile load was applied to the Unirac angle at a displacement rate 0.1 inches per minute without shock until failure. Detailed results are provided in Table I. Based on these results, the average tensile strength of the tile mount in OSB was determined to be 1016 lbf.

2. Shear Strength

Three samples were tested for shear strength on May 18, 2009 using a United Universal testing machine. Samples were rigidly attached to the testing machine and a shear load was applied to the Unirac angle at a displacement rate 0.1 inches per minute without shock until failure. Detailed results are provided in Table II. Based on these results, the average shear strength of the tile mount in OSB was determined to be 322 lbf.

Mr. Stuart Wentworth
QUICK MOUNT PV
QMTMH Tile Mount Hardware Load Testing
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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

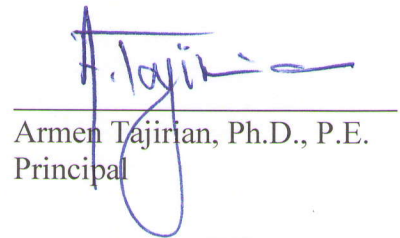

Armen Tajirian, Ph.D., P.E.
Principal



TABLE I
QMTMH TILE MOUNT
WITH 2-1/4" X 3-1/8" UNIRAC ANGLE
TENSILE LOAD TEST RESULTS
PROJECT NUMBER 109234C

SAMPLE ID	WOOD SPECIES	ULTIMATE LOAD (lbf)	FAILURE MODE
T-1	OSB	903	OSB Failed Around Mount
T-2	OSB	954	OSB Failed Around Mount
T-3	OSB	1190	OSB Failed Around Mount
AVERAGE	...	1016	...

TABLE II
QMTMH TILE MOUNT
WITH 2-1/4" X 3-1/8" UNIRAC ANGLE
SHEAR LOAD TEST RESULTS
PROJECT NUMBER 109234C

SAMPLE ID	WOOD SPECIES	ULTIMATE LOAD (lbf)	FAILURE MODE
S-1	OSB	307	OSB Failed Around Mount
S-2	OSB	356	OSB Failed Around Mount
S-3	OSB	303	OSB Failed Around Mount
AVERAGE	...	322	...

APPENDIX A

SAMPLE MAKEUP

QMTMH TILE MOUNT HARDWARE
WITH 2-1/4" X 3-1/8" UNIRAC ANGLE



Side View



Top View



Rear View

Notes:
QMTMH Tile Mount Hardware
QMTMH Base Plate
QMTMH Post L=5 1/2"