



# TILE INSTITUTE of AMERICA

1262 Bouquet Circle, Thousand Oaks, California 91362 Telephone: (805) 371-TILE (8453) Facsimile: (805) 371-8453  
23825 15<sup>th</sup> Avenue SE #110, Bothell, Washington 98021 240 Makee Road, Suite PH-A, Honolulu, Hawaii 96815  
[DoctorTile@aol.com](mailto:DoctorTile@aol.com)    [DoctorTile1@gmail.com](mailto:DoctorTile1@gmail.com)    [\(805\) 444-8453](tel:(805)444-8453)

TIA's Client: 20201228 BS

**Aquabella USA, LLC**  
**Mr. Brian L. Streadbeck**  
**450 South Alpine Highway**  
**Alpine, Utah 84004**

Telephone: (833) 985-2955  
[info@aquabellatile.com](mailto:info@aquabellatile.com)

Tile: **Voyage Series**

VG-840 - ANCHOR 1X2	VG-946 - NARROWS 1X1
VG-841 BEACON 1X2	VG-948 - REEF 1X1
VG-845 JETTY 1X2	ANCHOR 2X4
VG-846 - NARROWS 1X2	NARROWS 2X4
VG-848 - REEF 1X2	REEF 2X4
VG-940 - ANCHOR 1X1	

Conditions: New tiles were sent to TILE INSTITUTE of AMERICA in sealed manufacturer's boxes from client above and selected at random.

**Specifications:** C 648

**Source:** Tiles submitted by Client to Laboratory and selected at random from unopened containers.

## Report of Test

### BREAKING STRENGTH (ASTM C 648)

Standard Test Method for Breaking Strength of Ceramic Tile. This method provides the means for establishing whether or not this tile meets the strength requirements, which may appear in tile specifications. Tile strength is the force in pounds-force (or Newton's), as read from the pressure gauge, necessary to cause the tile to break. The load was applied at the rate of 1000 lbf/min. The tile samples were placed on a test fixture having three (3) supports located in a circle three and fifteen-thirty-seconds (3 15/32) inches in diameter with the load applied at the center as per specifications.

**Requirements:** ANSI A 137.1 (General) Breaking Strength. When tested as described in ASTM C 648, the average breaking strength for glazed wall tile shall be 90 and for glazed paver tile 250 pounds or greater.

The tile types and categories listed above yielded test values greater than Industry's requirements.

Test Results: **Passed**

Sincerely,

A handwritten signature in black ink that reads "Gerald M. Halweg". The signature is written in a cursive style with a large, sweeping initial "G".

Gerald M. Halweg, CTC, CSI, TTA. Date: July 1, 2021  
President/CEO of TILE INSTITUTE of AMERICA