♦ TILE INSTITUTE of AMERICA ♦
**23825 15th Avenue SE #149, Bothell, WA 98021 § 240 Makee Road, Penthouse-B, Honolulu, Hawaii 96815**
**(805) 444-(TILE) 8453** DoctorTile@aol.com or DoctorTile1@gmail.com

TIA's Client: 20266 **Bond Shear Strength**
May 8, 2026

**AquaBella/Main Street Art, Inc.**
**Mr. Brett Streadbeck and Mr. Brian L. Streadbeck**
**11906 Brittmoore Park Dr.**
**Houston, TX 77041**

**Telephone: (833) 985-2955**
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Tile: **LIFESTYLE** Series (Item Description & Tile Color Name) Factory **A-26**. Nominal size: Porcelain Tile.

- **LIGHT GREY 2"x18"(120 psi)**
- **SEA WATER 2"x18"(127 psi)**
- **TURQUOISE 2"x18"(124 psi)**
- **WHITE 2"x18"(126 PSI)**

Conditions: New tiles were sent to TILE INSTITUTE of AMERICA from client above and selected at random for testing.
The porcelain tiles were bonded to concrete units with ANSI A118.4 (thin set) bonding mortar.

**ADHESION BOND SHEAR STRENGTH (*ASTM C 482)**

Standard Test Method for Bond Strength of Tile. This method provides the means for establishing whether this tile can be bonded with adequate strength to resin-based Portland cement, which may appear in tile specifications. Tile bond adhesion strength is the force in pounds-force (or Newton's), as read from the pressure gauge, necessary to cause the tile's bond to shear. The load was applied at the rate of 1000 lbf/min. The tile samples were placed on a test fixture as per specifications after curing for 28 days. Thin-set mortar bond coat complying with ANSI A118.4 as identified within Industry's Standard.

**Requirements:** ANSI A 137.1 (General) Bond Strength. When evaluated as described in ASTM C 482, the average bond strength shall be 50 pounds per square inch or greater. The UBC requires a shearing stress of 50 psi. The DSA/SS & OSHPD 1 requires 50 psi and bond strength of 100 psi.
The tile types and categories listed above yielded test values greater than those listed in UBC and Industry's requirements.

Test Results: **ALL Passed**

Sincerely,

Gerald M. Halweg

Gerald M. Halweg, M.Ed., CTC, CSI, TTA,
President/CEO of TILE INSTITUTE of AMERICA