



# TILE INSTITUTE of AMERICA

23825 15<sup>th</sup> Avenue SE #149, Bothell, WA 98021 & 240 Makee Road, Suite 9A, Honolulu, Hawaii 96815  
(805) 444-8453 [DoctorTile@aol.com](mailto:DoctorTile@aol.com) or [DoctorTile1@gmail.com](mailto:DoctorTile1@gmail.com)

TIA's Client: 20230928 Freeze-Thaw  
November 30, 2023

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

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

Tile: **MOUNTAINS Series** (Item Description & Tile Color Name) Factory "AB-9". Nominal size: Porcelain Tile.

- ALPS 6"x6"
- ALPS 6"x6" SBN
- ALPS 1"x2"
- ROCKIES 6"x6"
- ROCKIES 6"x6" SBN
- ROCKIES 1"x2"
- SIERRA 6"x6"
- SIERRA 6"x6" SBN
- SIERRA 1"x2"

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

## TEST CONDUCTED:

### RESISTANCE TO FREEZE-THAW CYCLING (ASTM C 1026)

Standard Test Method for Measuring the Resistance of Tile to Freeze-Thaw Cycling.

Ten Specimens were placed into the freezing chamber to 0°F (-18°C) within a period of 6-8 hours and placed into water that was at a temperature from 50° to 60°F (10° to 16°C) for ≥30 minutes.

Requirements:

After 15 Cycles

The units are to show no evidence of Failure to Body or Surfaces.

No evidence of Disintegration.

Damage to the specimen is reported with the abbreviation as follows:

Cz = crazing, Ch = Chipping, Sp = spalling, Bc = body checks, Cr = cracks.

Results: All units described above have PASSED.

Sincerely,

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