



WARRANTY FAX TRANSMITTAL

DATE: 2 February 1998
CDC JOB NUMBER: S125

COMPANY: *American Limestone Company*
 FAX NUMBER: *214 747 2639*
 FROM: *Jeff Bayer*
 TOTAL PAGES: *1, including this sheet*
 PROJECT NAME: *Houston Residential Construction*

RE: *Upgrades due to Increased Wind Pressure*

Gentlemen,

Per your request, CDC has reviewed the requirements to upgrade the design charts from a 70 mph wind speed to a 90 mph wind speed. Structurally, this added wind pressure effects the stone panels ability to span between anchors and the capacity of the anchors themselves. Our analysis indicates the following:

- Champagne (assume one inch thickness) can span 21 inches vertically between supports.
- Burnished Silver (assume one inch thickness) can span 24 inches vertically between supports.
- The anchor lengths on the "Required Anchor Width/Stone Kerf Strength" chart must be increased by a factor of 1.65. Therefore, the typical 1.5" long clips are now 2.5" long and the 2" long clips need to be 3.3" long and so forth.
- The number of fasteners for each anchor can be determined using the length versus number of fasteners information provided on the existing "Required Anchor Width/Deadweight" chart. Therefore, the longer clips will require additional fasteners.

This information is adequate for normal residential construction. Commercial construction and unusual residential construction should be reviewed on a project by project basis.

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CDC LETTER – WIND PRESSURE UPGRADES

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