



The column facades on the 13-story, 25-year old beachfront Villager Condominium in Melbourne Beach, Florida failed early on.

Exposure to coastal environmental conditions on the eight 130 ft columns surrounding the building caused corrosion of the lath and fasteners within the stucco, creating a constant source of aesthetic degradation and repair expense to the condo association.

In 2012 Existing Structures Engineering, Inc. of Cape Canaveral, FL engineered the rebuild and restoration of the columns per ASTM C-926, specifying **Ultra-Lath** plastic lath attached with corrosion-resistant fasteners.

The columns are now corrosion-free and should remain that way for the life of the structure – *thanks to Existing Structures Engineering and Plastic Components' Ultra-Lath.*

Existing Structures Engineering, Inc.

Florida Engineering Society  
Grand Award Winner 2007

International Concrete Repair Institute  
Award of Excellence 2006

**Existing Structures Engineering, Inc.** specializes in remediation and repair engineering of damaged structures – especially corrosion-damaged structures in coastal communities.

The amount of corrosion damage caused by the use of metal lath, even *galvanized* metal lath, under stucco or cementitious facades is disheartening. That's why we always specify *non-corrosive* repair materials such as Plastic Components' Ultra-Lath plastic lath. Composites made from cement and Ultra-Lath virtually never fail from chloride-induced corrosion.



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Registered in FL, GA, AL, MS, LA and SC

National Association of Corrosion Engineers, Specialist

**Existing Structures  
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**Plastic Components' Ultra-Lath® Plastic Lath: ICC-ES Legacy Report #94182**

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