

TURNER

ENGINEERING &
CONSULTING, INC.

2428 OLD NATCHEZ TRC TRL
CAMDEN, TN 38320

PH. 941-380-1574
FBPE C.O.A. #29779

October 2, 2018

Scott Zurbrigen
Euro-Wall Systems, LLC
2200 Murphy Ct.
North Port, FL 34289

Re: Jamb anchorage for the VistaFold (C-3) aluminum folding door system

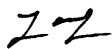
Mr. Zurbrigen,

I have reviewed High Velocity Hurricane Zone Large Missile Impact Florida Product Approval FL17838-R2 and its supporting information including drawing, evaluation report, and applicable test reports, and this letter serves as supplemental information to the approval for general use under Florida Product Approval Rule 61G20. Product was tested in accordance with TAS201/202/203 as well as ASTM E 1886/1996. FL17838-R2 is an Affirmation to the 6th ed. (2017) Florida Building Code, with a basis of older 5th ed. (2014) documents. The older documents reference test reports that required pairs of anchors at 12" on-center spacing at the jambs of the door so the approval drawing indicates this 12" on-center spacing. More recent testing was performed by Blackwater Testing, as indicated in reports BT-EUW-16-002A/_IC/_S, which successfully passed the air/water/structural/ impact/cyclic testing with pairs of anchors at a spacing of 24" on-center on the jambs. This serves to generally cross-qualify the use of this door with the larger anchor spacing at the jambs.

To supplement the testing, jamb anchor calculations were performed to cover all sizes, design pressures, and anchor types / embedments / edge distances / spacings as indicated in Sheet 2 of 7 of the Approval drawing titled "Vista Fold Bi-Fold Aluminum Door" dated 9/28/16 in FL17838-R2. It was found that all jamb anchor types as listed in the approval were acceptable at 24" on-center pairs according to current engineering practice to all door sizes and pressures listed on Sheet 2 of 7, with the exception of the Tapcon anchor when used in grout-filled masonry. At the anchor size, embedment, edge distance, and spacing as shown in the Approval drawing, the Elco Ultracon fastener is an acceptable replacement to cover all sizes and design pressures for jamb anchorage at 24" on-center pairs of fasteners, therefore the Elco Ultracon anchor shall be used for all grout-filled masonry jamb fastenings. All other installation fastenings for all other substrate types shall be in accordance with the approval drawing with the exception that 24" on-center pairs of jamb fasteners are acceptable. The doors shall otherwise be constructed, glazed, and installed in accordance with FL17838-R2.

If you have any further questions on this please don't hesitate to contact me.

Best Regards,



10/2/2018
Lucas A. Turner, P.E.
FL PE #58201

