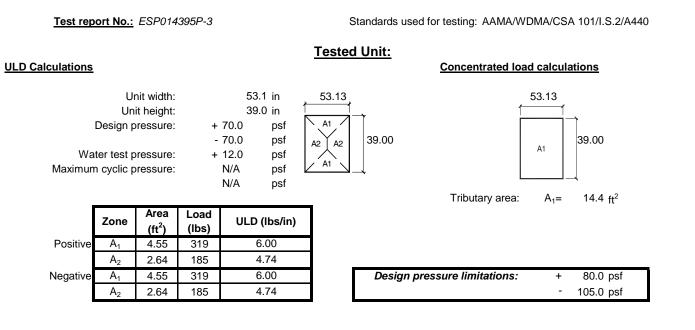
## L. Roberto Lomas P.E.

1432 Woodford Rd	Client: stergis
Lewisville, NC 27023	Report #: 514372-1
434-688-0609	
rllomas@Irlomaspe.com	Date: 01/10/2019
Maximum design pressure per comparison	
Series 143.191AW	

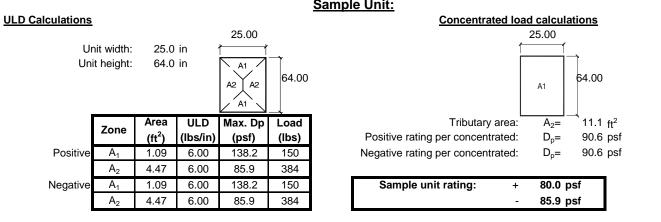
## Procedure:

Tributary areas are identified and calculated for tested unit. These areas are used to determine the maximum uniform load distribution (ULD) and concentrated load. The maximum ULD and the concentrated load are used to determine the maximum load and maximum design pressure rating of sample unit. These calculations are performed in accordance with Rule 61G20-3, AAMA103, AAMA2502. These calculations comply with requirements of the Florida Building Code.



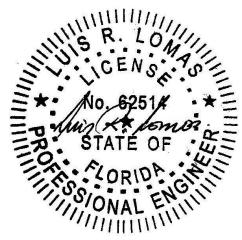
## Concentrated load formulas:

$$A_1 D_1 = A_2 D_2$$
  $D_2 = \frac{A_1 D_1}{A_2}$ 



## **Check Glazing:**

Glass Type	Width (in)	Heigh † (in)	Area (ft <sup>2</sup> )	Load Resistance per ASTM E1300- 02/03/04/09 (psf)
3/4" IGU: 1/8" Ann - air - 1/8" Ann	20.06	59.06	8.23	63.6



Luis R. Lomas P.E. FL No. 62514 2/2/2019