hollingsworth pack austin
civil engineering
structural engineering
mep engineering
construction management

Mr. R. Andrew Cook
Exaco Trading Co.
10203 Metropolitan Drive
Austin, TX 78758-4944
http://www.exaco.com

07 May 2018

Structural Certification Letter
Helios Victorian Greenhouse Model 'VI 34' and 'VI 46'
Manufactured by Janssens AluSystems in Germany

3801 s congress ave, ste 110
austin, texas 78704
t +1 (512) 275 6060

Hollingsworth Pack has performed a structural analysis of the Helios Victorian Greenhouse Model 'VI 34' and 'VI 46' to determine compliance with the International Building Code, which has been adopted by State and Local governments across all U.S. States and Territories. This is a pre-fabricated aluminum greenhouse covered with 4mm thick tempered glass panels.

Based upon our analysis, we have concluded that the greenhouse as currently installed by Exaco Trading Co. is adequate to support the following loads per the 2015 International Building Code:

For Model 'VI-34':
Wind Load: 120 MPH (3-second gusts)
Snow Load: 25 PSF (ground-snow load)
Roof Live Load: 20 PSF

For Model 'VI-46':
Wind Load: 115 MPH (3-second gusts)
Snow Load: 25 PSF (ground-snow load)
Roof Live Load: 20 PSF

Our structural analysis and conclusions assume that the greenhouse is installed with a minimum 8"x16" tall concrete beam or solid-grouted masonry foundation continuous below the perimeter of the greenhouse walls. In addition to the 61-page standard greenhouse assembly manual 'Helios Senior – Master' dated April 2017, a 'PRO 210' type foundation connection is required to be installed at each vertical wall member, and located at 750mm on-center around the perimeter of the greenhouses.

hollingsworth pack ⌟ austin
3801 s congress ave, ste 110
austin, texas 78704
t +1 (512) 275 6060

If you have any questions regarding the matters addressed, or if additional information is required, please do not hesitate to contact us. We appreciate the opportunity to be of service.

Respectfully Submitted,
Hollingsworth Pack

Chris A. Hewitt, PE, SE
Associate Partner

Albert Limantono, EIT
Project Engineer