February 16, 2022

RE: IBC Compliance

To Whom It May Concern:

KPS Global, LLC insulated panels are designed and comply with specification requirements of the INTERNATIONAL BUILDING CODE, and all local and state building code requirements as well as the 2018 IECC per the Federal Department of Energy (DOE).

The 2018 IBC Section 603, *Combustible Material in Type I and II Construction*, permits foam plastics when used in accordance with Chapter 26, "*Plastic*" of the code. Specifically, Section 2603 "Foam Plastic Insulation" is applicable to the polyurethane cores of KPS Global.

Below are excerpts from the IBC and KPS's evidence of compliance:

> **2603.3 Surface-burning characteristics.** *Unless otherwise indicated in this section, foam plastic insulation and foam plastic cores of manufactured assemblies shall have a flame spread index of not more than 75 and a smoke-developed index of not more than 450 where tested in the maximum thickness intended for use in accordance with ASTM E 84 or UL 723. Loose fill-type foam plastic insulation shall be tested as board stock for the flame spread and smoke-developed indexes*

Our ASTM E 84 test report shows our foam cores have a 20 flame spread and 450 smoke developed index, and the foam plastic is covered by a metal facing not less than .032 inch thick aluminum or corrosion- resistant steel, therefore exceeding code requirements.

> **2603.4 Thermal barrier.** *Except as provided for in Sections 2603.4.1 and 2603.9.........***2603.9 Special approval**. *Foam plastic shall not be required to comply with the requirements of Sections 2603.4 through 2603.6 where specifically approved based on large-scale tests such as, but not limited to, NFPA 286, FM 4880, UL 1040 or UL 1715. Such testing shall be related to the actual end-use configuration and be performed on the finished manufactured foam plastic assembly in the maximum thickness intended for use.*

KPS Global has tested and successfully passed the UL 1715 requirements.

Sincerely,

Glenn Shuping
KPS Global, LLC