TECHNICAL MEMORANDUM

June 30, 2022

**RE: Class B Fire Rating Classification**

**HPL Face with Fire Rated MDF Core**

Our panels consist of the following series of three basic layers.

1 The Panel Face

The exposed surface is a layer of high-pressure laminate .030" thick (Class C or less) for face material.

2 The Panel Substrate

The substrate is 1/2” FR MDF (Class A) core.

MDF Core – Meets ASTM Class A requirements for flame spread & smoke development.

3 The Panel Backer

The balancing backer is a layer of regrind high pressure laminate that measures .025".

The combination of the three layers shown above will meet ASTM E-84 fire rating for a Class B panel that has a flame spread of 75 or less along with a smoke development maximum of 450.