



Jeff Brown Architecture, llc

PRCNC20241090 - Revision #4

City of Puyallup Development & Permitting Services ISSUED PERMIT			
Building	Planning		
Engineering	Public Works		
Fire	Traffic		

Washington State Fair International Village

March 14, 2025

Ray Cockerham, Building and Fire Code Official

Development & Permitting Services

City of Puyallup

Building Division

333 S. Meridian

Puyallup, WA 98371

**Re: Request for Alternative Method of Construction
Washington State Fair, International Village – Energy Code Envelope Exceptions**

Ray,

Thank you for all of your efforts in working with the Fair and our office regarding the Energy Envelope Exceptions with the International Village Project, currently under construction. In follow-up to our meeting last week, we provide the following summary of understanding:

The premise of: Thermal Envelope Areas and Outside the Thermal Envelope Areas of the building complex is acceptable, as depicted in exhibit 'A'.

- 1. Roll-up Doors and Shutters in the Outside Envelope Areas:** Non-insulated roll-up doors and shutters will be allowed in the Outside Envelope Areas and as shown in Exhibit 'A'. The Fair will provide seasonal insulation blankets over the shutters in the off-season on the Vendor units located outside the thermal envelope.
- 2. Heating in the Outside Envelope Areas:** The Outside Envelope Areas will provide radiant heating units in lieu of the specified convection heating units.
- 3. Air Barrier Testing waiver in Outside the Envelope Areas:** No air barrier testing will be required in the Outside the Envelope Areas. The contractor shall make every effort to seal potential air 'leaks' throughout the Outside the Envelope Area with exterior, closed cell foam sealer or equivalent method. In addition to having defined these spaces 'outside the building envelope area', could you also say: The proposed extents of thermal improvements for the 'outside the building envelope area' will maintain the dew point outside the building envelope under the minimal conditioned design performance. These 'seasonal spaces' will be than any other semi heated spaces since we have provided more than 8 BTU/SF in these areas just due to available equipment size.



Jeff Brown Architecture, llc

4. **Insulation at Outside the Envelope Areas:** We will provide insulation as shown on A2.11, A2.12, and A4.1~A4.3. Also please review the revised energy compliance calculation, which shows the energy envelope area meets the code without including insulated roll-up door. In summary, we are providing below:
- a. Gourd Floor: R-10 rigid insulation, 3'-0" Horizontal
 - b. Metal Stud Wall: R-21 cavity insulation with R-10 rigid outside
 - c. Floor: R-38 cavity insulation
 - d. Ceiling: R-13 cavity insulation with Average R-16 rigid insulation

In addition to having defined these spaces 'outside the building envelope area', could you also say: The proposed extents of thermal improvements for the 'outside the building envelope area' will maintain the dew point outside the building envelope under the minimal conditioned design performance. These 'seasonal spaces' will be than any other semi heated spaces since we have provided more than 8 BTU/SF in these areas just due to available equipment size.

Thank you,

Jeff Brown, AIA NCARB
Jeff Brown Architecture, LLC
12181 C St S
Tacoma, WA 98444