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

December 28, 2021

Refrigeration Unlimited

**5102 20th St E, #102
Fife, WA 98424
(253) 392-5883**

Attn: Mackenzie Afdem

**Re: Costco Wholesale – Puyallup, WA
HVAC All
(TEI#20-711)
Permit: B-21-0421 Mechanical Units**

Dear Mackenzie,

Please see responses below to the City of Puyallup building department comments.

2. The submitted S pages from Engineers NW were not stamped or sealed as required. (Paper size to match other plan pages)

Response: Paper size to be revised to match other plan pages.

4. Need to provide calculations to show the new units hanging from the trusses will meet loading and other Code requirements. (No calculations provided at this time)

Response: Calculations to be provided.

5. Need to show how each area's ventilation requirements are being met per the 2018 IMC tables and the Washington State Amendments.

Response: OA calculations provided on sheet ME-3. Ancillary spaces in main warehouse to receiving ventilation air transferred from main sales area. Ancillary spaces are less than 10% of main sales area. Outside air for main sales area is provided by Main Sales units which provide outside air based on main sales and ancillary areas. Main sales units controlled to keep building at positive static pressure and to reduce CO2 levels below 1000 ppm.

7. If installing new curb adapter to the existing curbs, then make sure engineer of record has all total weights in their calculations. (No calculations provided at this time)

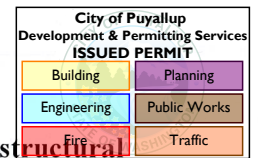
Response: weight breakdowns of each unit are shown on Mechanical Schedule. Total weight includes unit, curb, adapter, and duct weights. Structural evaluation for units is completed using total weight. See structural plans.

8. Must show on the plans the attachment of the curb adapters to the curbs and the new units to the curb adapters for seismic restraint not just a note per local codes.

Response: Added adapter curb connection details on sheet ME-4.

9. Be more specific on the bracing of any units being suspended for seismic restraint on the plans.

Costco – Puyallup, WA HVAC All



Response: Detail 71 on sheet ME-2 shows lateral restraints for the suspended units. See structural plans for additional analysis.

10. Add notation on the plans for the discharge of the condensate lines in the tailpiece per section 814.6 of the 2018 Uniform Plumbing Code if that is the intent of the details on page ME-2. (Does not define the size of pan/drain or location of drain termination.)

Response: per UPC 814.6: where the condensate waste from air-conditioning coils discharges by direct connection to a lavatory tailpiece ... the connection shall be located in the area controlled by the same person controlling the air-conditioned space.” While our plans met this requirement, a hub drain for indirect condensate drainage has been added to the lavatory tailpiece detail#73.

Condensate drain size and termination location are shown on enlarged plans. Added notes to details #70G specify 2” deep drain pan. Drain pan is secondary to condensate drain in case of primary condensate drain failure.

If you have further questions, please call our office.

Sincerely,



Daniel Sievert
Mechanical Engineer