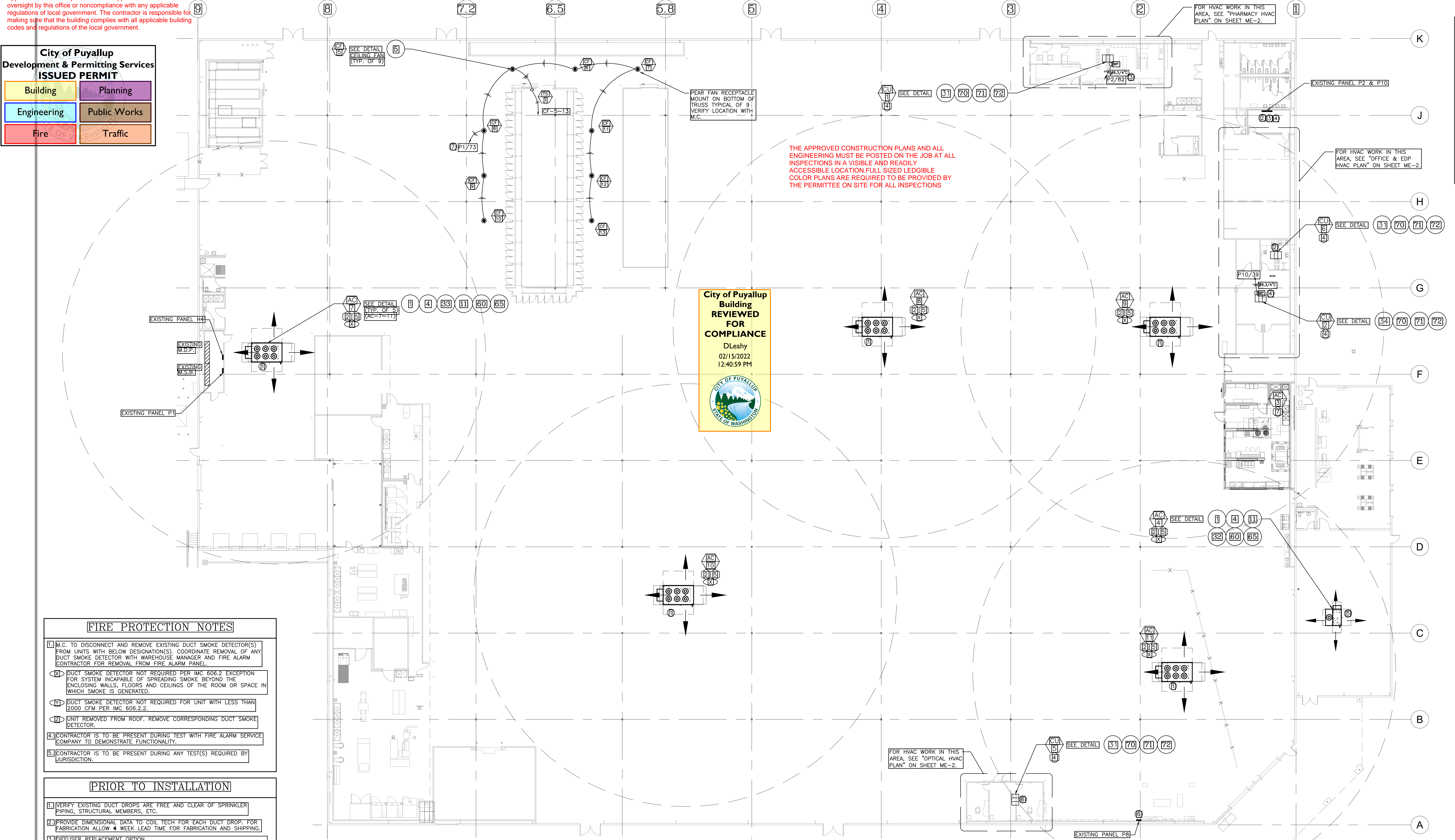


Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

**City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic



**City of Puyallup  
Building  
REVIEWED  
FOR  
COMPLIANCE**  
DLeahy  
02/15/2022  
12:40:59 PM

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION. FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITEE ON SITE FOR ALL INSPECTIONS

**MAIN MECHANICAL AND ELECTRICAL PLAN**  
SCALE: 1/16" = 1'-0"

- FIRE PROTECTION NOTES**
- M.C. TO DISCONNECT AND REMOVE EXISTING DUCT SMOKE DETECTOR(S) FROM UNITS WITH BELOW DESIGNATION(S). COORDINATE REMOVAL OF ANY DUCT SMOKE DETECTOR WITH WAREHOUSE MANAGER AND FIRE ALARM CONTRACTOR FOR REMOVAL FROM FIRE ALARM PANEL.
  - DUCT SMOKE DETECTOR NOT REQUIRED PER IMC 606.2 EXCEPTION FOR SYSTEM INCAPABLE OF SPREADING SMOKE BEYOND THE ENCLOSING WALLS, FLOORS AND CEILINGS OF THE ROOM OR SPACE IN WHICH SMOKE IS GENERATED.
  - DUCT SMOKE DETECTOR NOT REQUIRED FOR UNIT WITH LESS THAN 2000 CFM PER IMC 606.2.2.
  - UNIT REMOVED FROM ROOF. REMOVE CORRESPONDING DUCT SMOKE DETECTOR.
  - CONTRACTOR IS TO BE PRESENT DURING TEST WITH FIRE ALARM SERVICE COMPANY TO DEMONSTRATE FUNCTIONALITY.
  - CONTRACTOR IS TO BE PRESENT DURING ANY TEST(S) REQUIRED BY JURISDICTION.

- PRIOR TO INSTALLATION**
- VERIFY EXISTING DUCT DROPS ARE FREE AND CLEAR OF SPRINKLER PIPING, STRUCTURAL MEMBERS, ETC.
  - PROVIDE DIMENSIONAL DATA TO COIL TECH FOR EACH DUCT DROP. FOR FABRICATION ALLOW 4 WEEK LEAD TIME FOR FABRICATION AND SHIPPING.
  - DIFFUSER REPLACEMENT OPTION.  
IF INTERFERENCE OR OTHER CIRCUMSTANCES PROHIBIT EASY REPLACEMENT OF THE ENTIRE DUCT PACKAGE PROVIDE EXISTING DUCT SIZE INFO FOR ATTACHMENT OF NEW DIFFUSER TO EXISTING SUPPLY DUCT.
  - VERIFY EXISTING UNIT NUMBER AND MODEL IN SCHEDULE.
  - VERIFY ANY STRUCTURAL PLANS MATCH MECHANICAL PLANS.

- MECHANICAL PLAN NOTES**
- NEW AC UNIT ON ADAPTOR CURB.** REPLACE EXISTING AC UNIT WITH NEW AC UNIT. INSTALL ADAPTOR ON EXISTING CURB AND NEW AC UNIT ON ADAPTOR. CONNECT GAS AND CONDENSATE WHERE APPLICABLE. FIELD VERIFY SIZE, LOCATION AND DIMENSIONS OF EXISTING AC UNIT AND CURB. SCRAPE EXISTING GASKET AND ADHESIVE FROM CURB AND REPLACE WITH NEW NEOPRENE GASKET FOR BOTH ADAPTOR CURB AND NEW UNIT.  
ADAPTOR CURB TO BE PRE-ENGINEERED BY THYBAR OR EQUIVALENT. FOR COORDINATION WITH THYBAR CONTACT BILL MARCEZ (775-343-0600) @ THYBAR TO ORDER ADAPTOR CURBS.  
EXISTING STAINLESS STEEL CURBS TO BE EQUIPPED WITH STAINLESS STEEL ADAPTOR CURBS.  
G.C. TO SUBMIT STAMPED DRAWING FOR ADAPTOR CURB. SUBMITTAL TO INCLUDE CONNECTIONS BETWEEN EXISTING CURB & ADAPTOR CURB; AND CONNECTION BETWEEN ADAPTOR CURB & NEW AC UNIT; AND ADAPTOR CURB WEIGHT.
  - REPLACE EXISTING AC UNIT WITH CURB CAP AND CONDENSER FOR SPLIT SYSTEM.** SCRAPE EXISTING GASKET AND ADHESIVE FROM CURB AND REPLACE WITH NEW NEOPRENE GASKET FOR CURB CAP. CAP EXISTING GAS AND CONDENSATE ABOVE ROOF. DO NOT DISTURB EXISTING ROOF PENETRATIONS. INSTALL NEW ROOF CURB ADAPTER PLATE AND NEW OUTDOOR SPLIT SYSTEM UNIT. FIELD VERIFY CONDITION OF EXISTING CURB. COORDINATE WITH G.C. FOR CURB REPLACEMENT IF REQUIRED.
  - M.C. TO REPLACE EXISTING DUCT DIFFUSER PACKAGE. FIELD VERIFY EXISTING DUCT SIZE AND PROVIDE REQUIRED ADAPTORS OR EXTENSIONS FOR DUCT PACKAGE. SET DIFFUSER DIRECTION FORWARD AS INDICATED BY ARROWS.
  - EXISTING HVAC IN THIS AREA TO REMAIN.

- GENERAL MECHANICAL NOTES**
- M.C. SHALL ENSURE ALL ROOF TOP EQUIPMENT IS LABELED CORRECTLY AND MATCH CALLOUTS ON PLAN ON THE INSIDE & OUT OF THE BUILDING. THIS INCLUDES HVAC UNITS & EXHAUST FANS. LABELS SHOULD BE IN 6" BLOCK LETTERING IN BLACK COLOR AND LOCATED WHERE EASILY VISIBLE FROM THE ROOF HATCH.
  - MAINTAIN A MINIMUM OF 10'-0" BETWEEN EXHAUST OUTLET AND UNIT FRESH AIR INTAKE.
  - COORDINATE ALL MECHANICAL DUCTWORK LOCATIONS WITH ELECTRICAL EQUIPMENT. NO DUCTWORK WILL BE ALLOWED TO RUN OVER THE TOP OF ELECTRICAL DISTRIBUTION EQUIPMENT OR PANELS.
  - DIMENSIONS ARE TO COLUMN LINES.
  - APPLICABLE BUILDING CODE: 2018 WSCB  
APPLICABLE MECHANICAL CODE: 2018 WSMC  
APPLICABLE ENERGY CODE: 2016 WSEC
  - PROVIDE THE DOWN FOR ALL NEW FLUES & VENTS OF 3' OR TALLER.
  - RUN ALL SUPPLY, RETURN AND EXHAUST DUCTS AND FLUES BETWEEN THE ROOF AND CEILING SPACE STRAIGHT WITH INTERNAL INSULATION. NO ANGLES OR OFFSETS. CONTACT ARCHITECT TO RESOLVE ANY CONFLICTS WITH STRUCTURE.
  - ALL CONDENSATE PIPING TO BE SLOPED AT 2% MINIMUM UNLESS OTHERWISE NOTED.
  - RUN PIPING IN ROOF TRUSS SPACE PERPENDICULAR OR PARALLEL TO BUILDING JOIST OR GIRDERS. FOR PASSING BELOW SOLID GIRDERS MOUNT PIPING AT MAXIMUM FROM BOTTOM OF GIRDER. DO NOT BLOCK LIGHTING & SKYLIGHTS.
  - ALL UNITS TO BE COMMISSIONED PER 2018 WSEC BY A CERTIFIED COMMISSIONING PROFESSIONAL.

- ELECTRICAL LEGEND**
- S SINGLE POLE SWITCH, +42"
  - SB SUB-LETTER INDICATES FIXTURE CONTROLLED, +42"
  - SP THREE POLE SWITCH, +42"
  - J JUNCTION BOX, SIZE AND TYPE PER CODE
  - M MOTOR CONNECTION AS REQUIRED
  - D DUPLEX RECEPTACLE, +18" OR AS NOTED
  - F FUSED DISCONNECT, COORDINATE W/EQUIPMENT SUPPLIER
  - N NON-FUSED DISCONNECT, COORDINATE W/EQUIPMENT SUPPLIER
  - C CONDUIT IN CEILING OR WALL, 1/2" MIN
  - U CONDUIT UNDERGROUND OR FLOOR, 3/4" MIN
  - H HOME RUN TO PANEL WITH CIRCUIT NUMBER, SLASHES INDICATE NUMBER OF CONDUCTORS
  - W INDICATES WIRES AND CONDUIT OTHER THAN #12-1/2" C
  - M METALLIC CONDUIT, PVC PLASTIC CONDUIT
  - G ISOLATED GROUND OR GROUND CONDUCTOR
  - F FLEXIBLE CONDUIT CONNECTION AS REQUIRED
  - P EXISTING PANEL
  - E ELECTRICAL CONTRACTOR
  - W WEATHERPROOF
  - H HACR BREAKER IN NEMA ENCLOSURE. COORDINATE WITH EQUIPMENT SUPPLIER.

- ELECTRICAL GENERAL NOTES:**
- INFORMATION ON THE EXISTING INSTALLATION HAS BEEN OBTAINED FROM THE BEST SOURCES AVAILABLE BUT CAN NOT BE GUARANTEED ACCURATE IN ALL RESPECT. PRIOR TO BID, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE, THOROUGHLY FAMILIARIZE HIMSELF.
  - ALL WORK SHALL BE PERFORMED TO CHANGE THE EXISTING ELECTRICAL INSTALLATION AS SHOWN. INCLUDE AS PART OF THE CONTRACT ALL RELATED WORK REQUIRED TO OBTAIN THE INDICATED RESULTS. ALL EXISTING WIRING, CONDUITS, JUNCTION BOXES AND ALL OTHER ELECTRICAL EQUIPMENT AND DEVICES IN THE AREAS AFFECTED BY THE DEMOLITION AND THE NEW WORK SHALL BE REMOVED AND RELOCATED AS REQUIRED. EXTEND ALL CONDUITS AND WIRING. REPUSS NEW WIRES AS REQUIRED.
  - ALL WORK IS TO BE DONE SO AS NOT TO INTERFERE WITH THE WAREHOUSE'S NORMAL OPERATION. ANY ELECTRICAL SHUTDOWN SHALL BE COORDINATED AND SCHEDULED AS APPROVED BY THE STORE MANAGER OR COSTCO'S DESIGNATED REPRESENTATIVE.
  - DO NOT RUN CONDUITS AND WIRES ON ROOF.

- ELECTRICAL PLAN NOTES:**
- EXISTING AC UNIT TO BE REMOVED AND REPLACED. E.C. TO DISCONNECT AND RECONNECT EXISTING POWER FROM EXISTING UNIT TO NEW UNIT. E.C. TO VERIFY EXISTING FEEDER AND FUSES IF IT IS MINIMUM 3 #1/0 IN 2". IF NOT REPLACE WITH NEW 3 #1/0 CU IN 2". REPLACE EXISTING FUSES WITH 125A FUSES IN EXISTING FUSE SWITCH. REUSE EXISTING FUSE SWITCH IN EXISTING MSB. FIELD VERIFY EXISTING CONDITION PRIOR TO BID.
  - EXISTING AC UNIT TO BE REMOVED AND REPLACED WITH CU-6. E.C. TO DISCONNECT AND RECONNECT POWER FROM EXISTING TO NEW CU-6. EXTEND EXISTING FEEDER IF REQUIRED. E.C. TO VERIFY EXISTING FEEDER IF IS MINIMUM OF 2#10 CU IN 1/2". IF NOT REPLACE WITH 3#10 CU IN 1/2". REUSE EXISTING CIRCUIT. E.C. TO REPLACE EXISTING BREAKER WITH NEW 30A/2P BREAKER IN EXISTING PANEL. FIELD VERIFY EXISTING CONDITION PRIOR TO BID. EXISTING ROOF RECEPTACLE TO REMAIN, RELOCATE AS REQUIRED. POWER AH-6 FROM CU-6. E.C. TO PROVIDE HACR BREAKERS.
  - EXISTING AC UNIT TO BE REMOVED AND REPLACED WITH CU-1. E.C. TO REMOVE EXISTING FEEDER TO SOURCE. PROVIDE NEW FEEDER AS SHOWN. REUSE EXISTING CIRCUIT. E.C. TO REPLACE EXISTING BREAKER IN EXISTING PANEL. FIELD VERIFY. EXISTING ROOF RECEPTACLE TO REMAIN, RELOCATE AS REQUIRED. POWER AH-1 FROM CU-1. E.C. TO PROVIDE HACR BREAKERS.
  - EXISTING AC UNIT TO BE REMOVED AND REPLACED WITH CU-2. E.C. TO REMOVE EXISTING FEEDER TO SOURCE. PROVIDE NEW FEEDER AS SHOWN. E.C. TO PROVIDE A NEW 40A/2P BREAKER IN EXISTING PANEL P10. FIELD VERIFY. POWER AH-2 FROM CU-2. E.C. TO PROVIDE HACR BREAKERS.
  - EXISTING AC UNIT TO BE REMOVED AND REPLACED. E.C. TO DISCONNECT AND RECONNECT EXISTING POWER FROM EXISTING UNIT TO NEW UNIT. E.C. TO VERIFY EXISTING FEEDER IF IT IS MINIMUM 3 #10 IN 1/2". IF NOT REPLACE WITH NEW 3 #10 CU IN 1/2". REUSE EXISTING CIRCUIT. E.C. TO REPLACE EXISTING BREAKER WITH NEW 30A/2P BREAKER IN EXISTING PANEL. FIELD VERIFY EXISTING CONDITION PRIOR TO BID.
  - EXISTING AC UNIT TO BE REMOVED AND REPLACED WITH CU-5. E.C. TO DISCONNECT AND RECONNECT POWER FROM EXISTING TO NEW CU-5. EXTEND EXISTING FEEDER IF REQUIRED. E.C. TO VERIFY EXISTING FEEDER IF IS MINIMUM OF 2#12 CU IN 1/2". IF NOT REPLACE WITH 3#10 CU IN 1/2". REUSE EXISTING CIRCUIT. E.C. TO REPLACE EXISTING BREAKER WITH NEW 30A/2P BREAKER IN EXISTING PANEL. FIELD VERIFY EXISTING CONDITION PRIOR TO BID. EXISTING ROOF RECEPTACLE TO REMAIN, RELOCATE AS REQUIRED. POWER AH-5 FROM CU-5. E.C. TO PROVIDE HACR BREAKERS.
  - E.C. TO PROVIDE A 20A/1P BREAKER IN EXISTING PANEL P1 FOR NEW PEAR FANS. FIELD VERIFY.

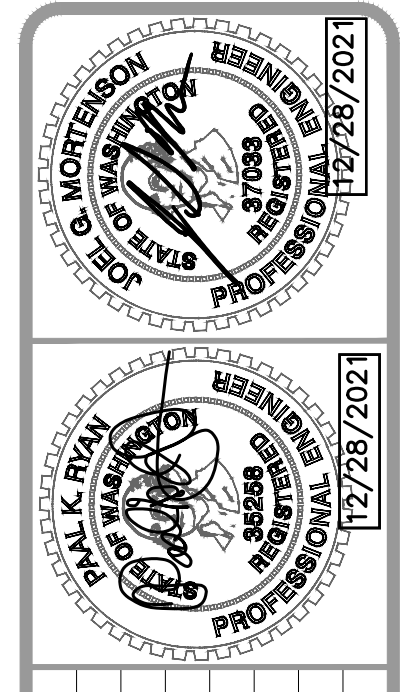
**PERMIT RESUBMITTAL**  
 CHECKED: JMT/PKR  
 DRAWN: JMT/DS  
 REVISION DATE: OCTOBER 4, 2021  
 ISSUE DATE: MARCH 19, 2021  
 PROJECT NO: 20-713  
 ARCHITECT REFERENCE NO:

**T.E., Inc.**  
830 N. RIVERSIDE DRIVE  
SUITE #200  
RENTON, WA 98057  
PHONE: 425-370-3753  
FAX: 425-870-3720

**HVAC REPLACEMENT**  
WAREHOUSE #660  
1201 39TH AVENUE SW  
PUYALLUP, WA 98373

**COSTCO WHOLESALE**

**ME-1**













Thybar Model Restraints	Bolt Qty. Per Unit	Attachment Screws	Product
N/A	4	(4) 1/4" Dia. 304 SS Bolts with Nuts	for Curb

Unit to Curb Screw Installation Instructions  
1. Unify directly connected to the top of Tems at specified unit location

DETAIL

Min Base Hole Quantity per side: 4, 3, 0.25

VERIFY ALL ELECTRICAL WIRES ARE CLEAR OF BASE RAIL INTERIOR BEFORE INSTALLING RESTRAINT

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(DO NOT SCALE DRAWING) Unless otherwise specified dimensions are in inches tolerances are  $\pm 1/16$   $\pm 0.0625$   $\pm 1"$

Seismic / Wind load Restraint for **LG LUU369HV**  
On a Thybar Retromate with Equipment Bases  
Costco 660 - Puyallup, WA  
1201 39th Ave SW, Puyallup WA 98373  
Qty: 1 Job# 215746  
Tag: (CU-1,5,6)  
Drawing is conceptual, not to scale  
Date 10/27/2021 Page 8 of 8 215746-3

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Thybar Model Restraints	Bracket Qty. Per Unit	Attachment Screws Per Bracket	Product
ACSWRANB0009RC	4	(4) 1/4-14x3 HWH (4) #10-16x1 HWH	for Curb

Unit to Curb Bracket Installation Instructions  
Bracket must be field installed to roof curb before setting unit.  
1. Start Bracket 4 inches from end of curb. Then equally distribute Brackets as much as possible while avoiding interferences with lifting lugs, condensate drain lines, unit base screws, Etc.  
2. Screw brackets or Weld at all notches 1 in. long 1/16 in. fillet weld (not for curbs with wood on top) to top of curb.  
3. Gasket top perimeter of curb and brackets before setting unit.

Total Screws: (16) 1/4-14x3 HWH #1157000  
(16) #10-16x1 HWH #1129000

BRACKET DETAIL

RETROMATE BASE DETAIL

Hardware: (QTY. PER CALCULATION) 1" TEK SCREWS OR EQUIVALENT AS PROVIDED BY CONTRACTOR (CONTRACTOR TO VERIFY LENGTH REQUIRED)

Requires 1/2 in. Thick Gasket

Min Base Hole Quantity per side: 4, 2, 0.25

VERIFY ALL ELECTRICAL WIRES ARE CLEAR OF BASE RAIL INTERIOR BEFORE INSTALLING RESTRAINT

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Seismic / Wind load Restraint for **Aaon RN-006**  
On a Thybar Retromate with Top Duct Supports  
Costco 660 - Puyallup, WA  
1201 39th Ave SW, Puyallup WA 98373  
Qty: 1 Job# 215746  
Tag: (AC-4)  
Drawing is conceptual, not to scale  
Date 10/27/2021 Page 9 of 9 215746-2

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CURB CAP CONNECTION DETAIL  
SCALE: NONE

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City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

ADAPTER CURB CONNECTION DETAIL  
SCALE: NONE

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Thybar Model Restraints	Bracket Qty. Per Unit	Attachment Screws Per Bracket	Product
ACSWRANB0027RC	4	(4) 1/4-14x3 HWH (4) #10-16x1 HWH	for Curb

Unit to Curb Bracket Installation Instructions  
Bracket must be field installed to roof curb before setting unit.  
1. Start Bracket 4 inches from end of curb. Then equally distribute Brackets as much as possible while avoiding interferences with lifting lugs, condensate drain lines, unit base screws, Etc.  
2. Screw brackets or Weld at all notches 1 in. long 1/16 in. fillet weld (not for curbs with wood on top) to top of curb.  
3. Gasket top perimeter of curb and brackets before setting unit.

Total Screws: (16) 1/4-14x3 HWH #1157000  
(16) #10-16x1 HWH #1129000

BRACKET DETAIL

RETROMATE BASE DETAIL

Hardware: (QTY. PER CALCULATION) 1" TEK SCREWS OR EQUIVALENT AS PROVIDED BY CONTRACTOR (CONTRACTOR TO VERIFY LENGTH REQUIRED)

Requires 1/2 in. Thick Gasket

Min Base Hole Quantity per side: 9, 8, 0.25

VERIFY ALL ELECTRICAL WIRES ARE CLEAR OF BASE RAIL INTERIOR BEFORE INSTALLING RESTRAINT

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Seismic / Wind load Restraint for **Aaon RN-050**  
On a Thybar Retromate with Top Duct Supports  
Costco 660 - Puyallup, WA  
1201 39th Ave SW, Puyallup WA 98373  
Qty: 1 Job# 215746  
Tag: (AC-7,8,9,10,11)  
Drawing is conceptual, not to scale  
Date 10/27/2021 Page 9 of 9 215746-3

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ADAPTER CURB CONNECTION DETAIL  
SCALE: NONE

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Thybar Model Restraints	Bolt Qty. Per Unit	Attachment Screws	Product
N/A	4	(4) 1/4" Dia. 304 SS Bolts with Nuts	for Curb

Unit to Curb Screw Installation Instructions  
1. Unify directly connected to the top of Tems at specified unit location

DETAIL

Min Base Hole Quantity per side: 6, 4, 0.25

VERIFY ALL ELECTRICAL WIRES ARE CLEAR OF BASE RAIL INTERIOR BEFORE INSTALLING RESTRAINT

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Seismic / Wind load Restraint for **LG LUU369HV**  
On a Thybar Retromate with Equipment Bases  
Costco 660 - Puyallup, WA  
1201 39th Ave SW, Puyallup WA 98373  
Qty: 1 Job# 215746  
Tag: (CU-2)  
Drawing is conceptual, not to scale  
Date 10/28/2021 Page 8 of 8 215746-4

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CURB CAP CONNECTION DETAIL  
SCALE: NONE

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PERMIT RESUBMITTAL  
 CHECKED: JANT/PKR  
 DRAWN: JANT/DSE  
 REVISION DATE: OCTOBER 4, 2021  
 ISSUE DATE: MARCH 19, 2021  
 ARCHITECT REFERENCE: N3  
 ADAPTER CURB AND CAP CONNECTION DETAILS  
 PROJECT NO: 20-713  
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03/19/21 INITIAL RELEASE  
04/28/21 REVISED TO MIN SPANS  
10/05/21 PERMIT RESUBMITTAL  
12/28/21 PERMIT RESUBMITTAL 2

T.E., Inc.  
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HVAC REPLACEMENT  
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PUYALLUP, WA 98373

COSTCO WHOLESALE

ME-4

11/29/21

B-21-0421