

PRCTI20230625

NOTES:

1. NEW PACKAGED RTU PROVIDE WITH THE FOLLOWING
 - ADAPTER CURB
 - LOW LEAK ECONOMIZER WITH ADJUSTABLE DRY BULB SENSOR
 - DOWNFLOW CONFIGURATION
 - 2 STAGE GAS HEAT
2. PROVIDE WITH OA AND EA CLASS 1 MOTORIZED DAMPER FOR BUILDING ISOLATION PER WSEC C403.7.8.1
3. WEIGHT INCLUDES CURB AND ACCESSORIES

NOTES:

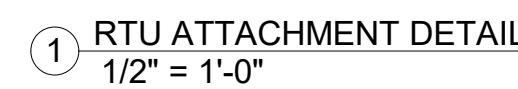
1. ENERGY RECOVERY UNIT WITH THE FOLLOWING:
AIR TO AIR TOTAL HEAT EXCHANGER
MERV 7 OA AND RA FILTERS
2. POWER WIRING AND DISCONNECT BY E.C.
3. EFFECTIVENESS LISTED IS TOTAL EFFECTIVENESS.
4. TOTAL SYSTEM FAN POWER LESS THAN 1 WATT PER CFM IN ACCORDANCE WITH WSEC C403.3.5.1
5. DOAS SUPPLY AIR DELIVERED DIRECTLY INTO SPACE PER WSEC C403.3.5.3
6. PROVIDE WITH OA AND EA MOTORIZED DAMPERS PER MANUFACTURERS RECOMMENDATION

NOTES:

1. GAS UNIT HEATER WITH THE FOLLOWING
 - SINGLE STAGE NATURAL GAS VALVE
 - INTEGRATED THERMOSTAT
2. WAREHOUSE SEMI-HEATED WITH ENERGY LESS THAN 8,0 BTU / SF.

SCOPE OF WORK

VICINITY MAP



MECHANICAL DESIGN, INSTALLATION & COORDINATION SHALL COMPLY WITH THE FOLLOWING CODES:

A. INTERNATIONAL MECHANICAL CODE (IMC) 2018

B. WASHINGTON STATE ENERGY CODE (WSEC) 2018

THE FOLLOWING NOTES APPLY TO ALL MECHANICAL DRAWINGS. ADDITIONAL MECHANICAL NOTES MAY BE INDICATED ON EACH MECHANICAL DRAWING. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR GENERAL CONSTRUCTION INCLUDING, LOUVERS, CONCRETE EQUIPMENT PADS FLASHING DETAILS, ETC.

REFER TO ARCHITECTURAL DRAWING FOR ROOM ELEVATIONS. LOCATE MECHANICAL DEVICES SUCH AS TEMPERATURE SENSORS, HUMIDISTATS, PANELS, ETC. SO THAT THEY DO NOT CONFLICT WITH GENERAL CONSTRUCTION (WALLS, DOOR HARDWARE, ETC.) NOR WITH ELECTRICAL SYSTEM (LIGHT SWITCHES, SPEAKERS, OUTLETS, ETC.).

MECHANICAL DRAWINGS SHOW APPROXIMATE LOCATIONS FOR GRILLS AND DIFFUSERS. FIELD COORDINATE ACTUAL LOCATIONS BY REFERRING TO ARCHITECTURAL DRAWINGS, REFLECTED CEILING PLANS, AND OTHER CEILING OR SURFACE MOUNTED DEVICES PLANS. INSTALL EQUIPMENT IN CONFORMANCE WITH STRUCTURAL DRAWINGS. CENTER OF CEILING TILES, IN THE CENTER OF ROOMS, OR WHERE INDICATED ON ARCHITECTURAL DRAWINGS. WHERE EQUIPMENT IS NOT INDICATED ON ARCHITECTURAL DRAWINGS, OBTAIN DIRECTION FROM ARCHITECT PRIOR TO INSTALLATION.

GENERALLY DUCTWORK PLANNED TO BE TIGHT TO STRUCTURE WITH PIPING BELOW DUCTWORK AND BETWEEN LIGHT FIXTURES. ADJUST AS NECESSARY.

COORDINATE LOCATIONS FOR MECHANICAL EQUIPMENT AND DUCTWORK TO PROVIDE CLEARANCES OVER LIGHTING FIXTURES FOR REMOVAL AND SERVICE ACCESS DUE TO EQUIPMENT MAINTENANCE. ARRANGE HVAC EQUIPMENT SO THAT ACCESS CLEARANCES INDICATED BY DRAWINGS, REQUIRED BY CODES, AND RECOMMENDED BY MANUFACTURER ARE PROVIDED.

WHERE NECESSARY, PROVIDE ACCESS PANELS/DOORS IN DUCTWORK AS INDICATED FOR INSPECTION AND MAINTENANCE FOR ALL SMOKE/FIRE DAMPERS.

GENERAL CONTRACTOR SHALL PROVIDE FIRE AND/OR COMBINATION FIRE/SMOKE DAMPERS THROUGH ACCESS DOORS IN HARD CEILINGS AND WALLS. WHERE ACCESS DOORS PENETRATE FIRE RATED SYSTEMS THEY SHALL BE RATED IN ACCORDANCE WITH IBC REQUIREMENTS.

REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL ELECTRICAL CHARACTERISTICS OF MECHANICAL EQUIPMENT (VOLTAGES, ETC.).

ELECTRICAL CHARACTERISTICS OF LISTED EQUIPMENT SHALL BE VERIFIED BY CONTRACTOR DURING SUBMITTAL PROCESS. ANY ELECTRICAL CHARACTERISTICS THAT DEViate FROM THOSE LISTED SHALL BE IDENTIFIED BY THE CONTRACTOR, SUBMITTED TO THE ENGINEER FOR APPROVAL AND COORDINATED WITH DIVISION 16 (OR DIVISION 26) PRIOR TO INSTALLATION OF EQUIPMENT AS REQUIRED TO PROPERLY SERVE EQUIPMENT.

DRAWINGS ARE SCHEMATIC IN SOME AREAS AND MAY NOT SHOW OFFSETS WHICH MAY BE REQUIRED. PROVIDE OFFSETS AS REQUIRED AT NO ADDITIONAL COST.

REFER TO PIPING DIAGRAMS AND DETAILS FOR REQUIRED FITTINGS, VALVES, ETC. FLOOR PLANS AND SECTIONS INDICATE EQUIPMENT LOCATIONS AND GENERAL PIPE ROUTING ONLY.

DUCTS AND PIPES INDICATED WITHOUT DIMENSIONS SHALL BE SIZED PER PRECEDING UPSTREAM DUCT AND PIPE SECTIONS.

DUCTWORK SIZES SHOWN ARE CLEAR INSIDE DIMENSION.

PROVIDE FABRICATED STEEL MEMBER SUPPORTS AS REQUIRED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS, AS INDICATED ON DRAWINGS, OR IN SPECIFICATIONS FOR INSTALLATION OF EQUIPMENT. REQUIRED STRUCTURAL MEMBERS, BOLTS, AND WELDS SHALL BE IN ACCORDANCE WITH AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL.

REQUIRED FOR INSTALLATION ARE ACCESS, DUCTS, AND EQUIPMENT. PROVIDE ADDITIONAL STRUCTURAL MEMBERS BETWEEN COLUMNS, JOISTS, AND STRUCTURAL FRAME TO MEET SUPPORT REACTIONS (FORCES, MOMENTS, AND DEFLECTIONS). STRUCTURAL MEMBERS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER.

DO NOT CORE DRILL OR DRILL THROUGH BEAMS, COLUMNS, AND SHEAR WALLS, UNLESS INDICATED ON STRUCTURAL DRAWINGS OR AS APPROVED BY THE STRUCTURAL ENGINEER.

ONCE EXTENDED AND PLENUMS ARE INSTALLED, PROVIDE A DUCT TO SUPPLY AIR SUCH AS A WATER SOURCE HEAT PUMP, FAN COIL UNIT, FAN POWERED VAV TERMINAL, PROVIDE 1" THICK INTERIOR ACOUSTICAL LINER IN THE FIRST 4 FT. OF LENGTH. NO TAP-INS SHALL OCCUR IN THIS SECTION.

PROVIDE DUCT LINING FOR THE FOLLOWING DUCTWORK:

A. ALL AIR TRANSFER DUCTS AND CEILING RELIEF GRILLS

B. ALL MIXED AIR AND EXHAUST AIR PLENUMS

C. ALL OUTDOOR AIR DUCTS OR PLENUMS

PROVIDE A VOLUME DAMPER FOR EACH SUPPLY BRANCH, RETURN BRANCH (DUCTED ONLY), & EXHAUST BRANCH WHERE THREE OR MORE OPENINGS ARE ASSOCIATED WITH THE BRANCH, AND ELSEWHERE AS NOTED ON THE DRAWINGS OR IN SPECIFICATIONS.

PROVIDE SEISMIC RESTRAINT AND SEAL CLASS, BASED ON SMACNA STANDARDS.

REFER TO WASHINGTON STATE NBC COMPLIANCE REQUIREMENTS ON DRAWING SCHEDULE SHEETS FOR ADDITIONAL MECHANICAL PROVISIONS.

PROVIDE ECONOMIZERS IN ACCORDANCE WITH WSEC (2018).

SEAL DUCT AND PLENUM IN ACCORDANCE WITH WSEC (2018).

BALANCE HVAC SYSTEM IN ACCORDANCE WITH WSEC (2018).

COMMISSION AND COMPLETE MECHANICAL SYSTEM IN ACCORDANCE WITH WSEC (2018).

PROVIDE COMPLETION/RECORD DRAWINGS IN ACCORDANCE WITH WSEC (2018).

INSULATE DUCT AND PLENUM IN ACCORDANCE WITH WSEC (2018).

INSULATE PIPING IN ACCORDANCE WITH WSEC (2018).

PROVIDE THERMOSTATIC CONTROLS IN ACCORDANCE WITH WSEC (2018).

ENSURE SETPOINT OVERLAP RESTRICTION IN ACCORDANCE WITH WSEC (2018).

PROVIDE THERMOSTATIC SETBACK CAPABILITIES IN ACCORDANCE WITH WSEC (2018).

EQUIP SHUTOFF DAMPER CONTROLS IN ACCORDANCE WITH WSEC (2018).

ENSURE VENTILATION IN ACCORDANCE WITH WSEC (2018).

PROVIDE DEMAND CONTROL VENTILATION IN ACCORDANCE WITH WSEC (2018).

PROVIDE OCCUPANCY SENSORS IN ACCORDANCE WITH WSEC (2018).

ENSURE ELECTRICAL MOTOR EFFICIENCY IN ACCORDANCE WITH WSEC (2018).

PROVIDE SINGLE DUCT VARIABLE AIR VOLUME (VAV) SYSTEMS WITH TERMINAL DEVICES IN ACCORDANCE WITH WSEC (2018).

PROVIDE DUAL DUCT AND MIXING VAV SYSTEMS WITH TERMINAL DEVICES IN ACCORDANCE WITH WSEC (2018).

ENSURE WORK ACCESS CLEARANCE FOR ALL MECHANICAL ELECTRICAL PANELS IS IN ACCORDANCE TO THE NEC (2018).

ALL EQUIPMENT, DUCT, AND OTHER ITEMS INSTALLED WITHIN THE RETURN PLENUM MUST BE NONCOMBUSTIBLE, OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE TO ASTM E 84 OR UL 723.

WHERE MULTIPLE AIR-HANDLING SYSTEMS SHARE COMMON SUPPLY OR RETURN AIR DUCTS OR PLENUMS WITH A COMBINED DESIGN CAPACITY GREATER THAN 2,000 CFM (0.9 M3/S), THE RETURN AIR SYSTEM SHALL BE PROVIDED WITH SMOKE DETECTORS IN ACCORDANCE WITH 2018 IMC 606.2.1.

LEGAL DESCRIPTION: Section 21 Township 20 Range 04 Quarter 13 PARCEL "C" OF DBLR 2002-09-18-5002 DEESC AS FOLL L 1 OF S 9-7-09-29-0267 TOG/W FOLL BEG AT SE COR OF SD L 1 TH N 27 DEG 09 MIN 43 SEC S 486.531 FT S 62 DEG 50 MIN 17 SEC E 45.56 FT TH S 52 DEG 10 MIN 00 SEC W 486.29 FT TO INTER OF NON-TANG C TO R RAD PRO BEG AT TH NWLY 3.15 FT CHURTY A CUTE ANGLE OF 02 DEG 00 MIN 48 SEC TO COR ALSO TOG/W FOLL DEESC PRO BEG AT SE COR OF ABOVE DEESC PRO TH N 32 DEG 10 MIN 00 SEC E 486.29 FT S 52 DEG 50 MIN 17 SEC E 127.10 FT S 27 DEG 09 MIN 43 SEC W 475.43 FT TO INTER OF NON-TANG C TO R RAD PRO TH NWLY 169.77 FT TH CHURTY CUTE ANGLE OF 02 DEG 30 MIN 49 SEC TO PRO BASE OF REC OUT OF 5-008 & 5-009 SEG 2005-0609 11/02/04CL

SHEET INDEX	
SHEET NUMBER	DESCRIPTION
M001	SCHEDULES AND GENERAL NOTES
M202	LEVEL 1 FLOOR PLAN - NEW

MCS

402 Valley Ave NW,
Puyallup, WA 98371
Suites 101 - 104

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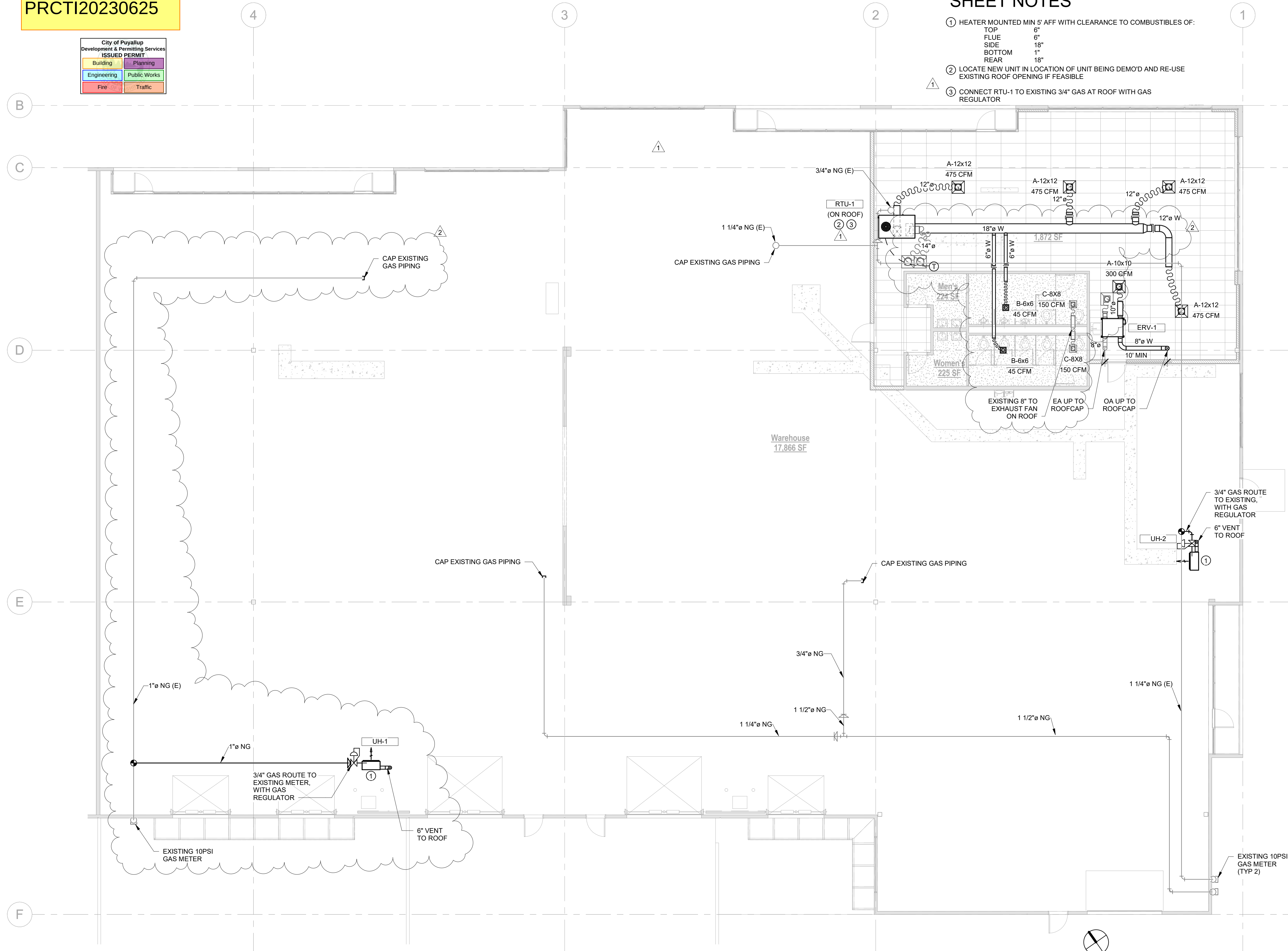
M001

Scale	As indicated
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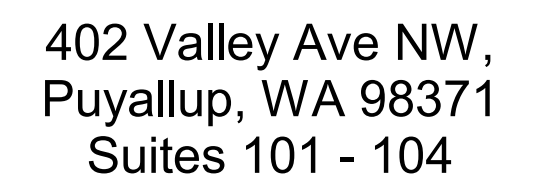
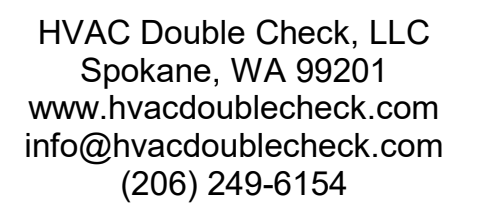
ISSUED FOR PERMIT/CONSTRUCTION

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

- ① HEATER MOUNTED MIN 6" AFF WITH CLEARANCE TO COMBUSTIBLES OF:
TOP 6"
FLUE 6"
SIDE 18"
BOTTOM 1"
REAR 18"
- ② LOCATE NEW UNIT IN LOCATION OF UNIT BEING DEMO'D AND RE-USE EXISTING ROOF OPENING IF FEASIBLE
- ③ CONNECT RTU-1 TO EXISTING 3/4" GAS AT ROOF WITH GAS REGULATOR



NORTH

[illegible]

LEVEL 1 FLOOR PLAN -
NEW

M202

Scale	1/8" = 1'-0"
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ISSUED FOR PERMIT/CONSTRUCTION

MAIL 07:00:1 0707/0/1