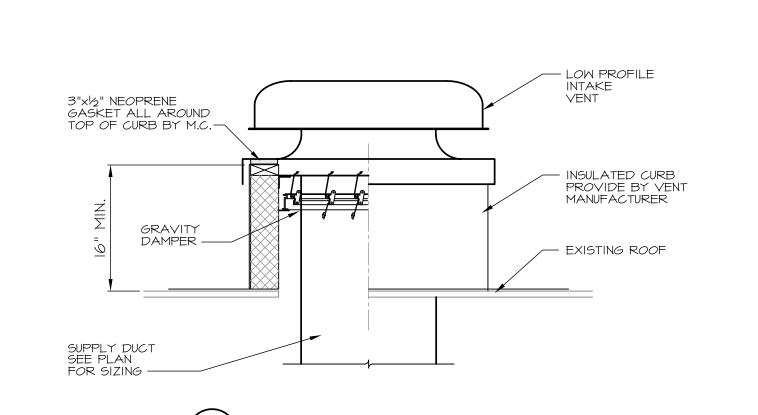
DESIGN MANUFACTURER

& MODEL

FANTECH FG4XL



CFM

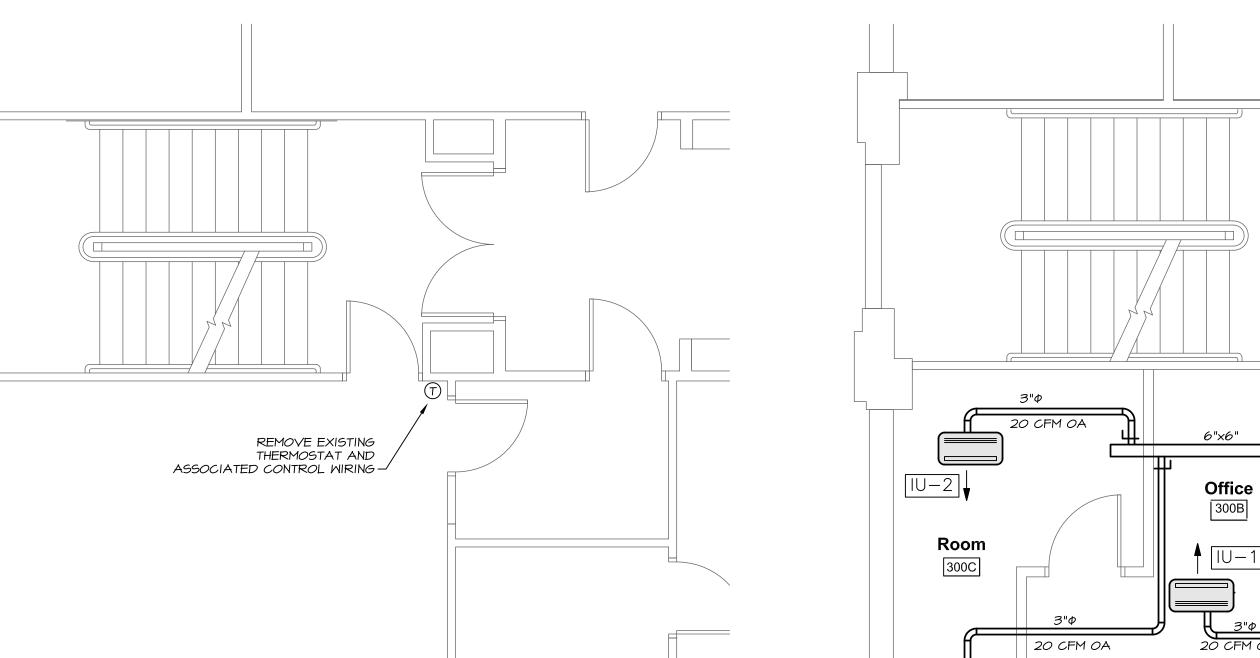
IN-LINE FAN

ESP

80 | 0.4 | 1.7 MAX | 115 / 60 / 1

POWER FLA

LEGEND MANUAL DAMPER - LOCKING QUADRANT THERMOSTAT CLEAN OUT REFRIGERANT PIPING ---- CONDENSATE PIPING



REMOVE HEATING IN THIS ROOM. CAP STEAM AND

FLOOR LEVEL.

CONDENSATE PIPING BELOW

PIPING PLAN

SCALE: 1/4" = 1'-0"

Office

MECHANICAL REFRIGERANT & CONDENSATE

302C

1/4 / 1/2

Room 300D

REMOVE EXISTING UNIT

FLOOR LEVEL.-

CONNECTION TO LOUVER.

CONDENSATE PIPE BELOW

(2) MECHANICAL DEMOLITION PLAN

VENTILATOR AND SHEETMETAL

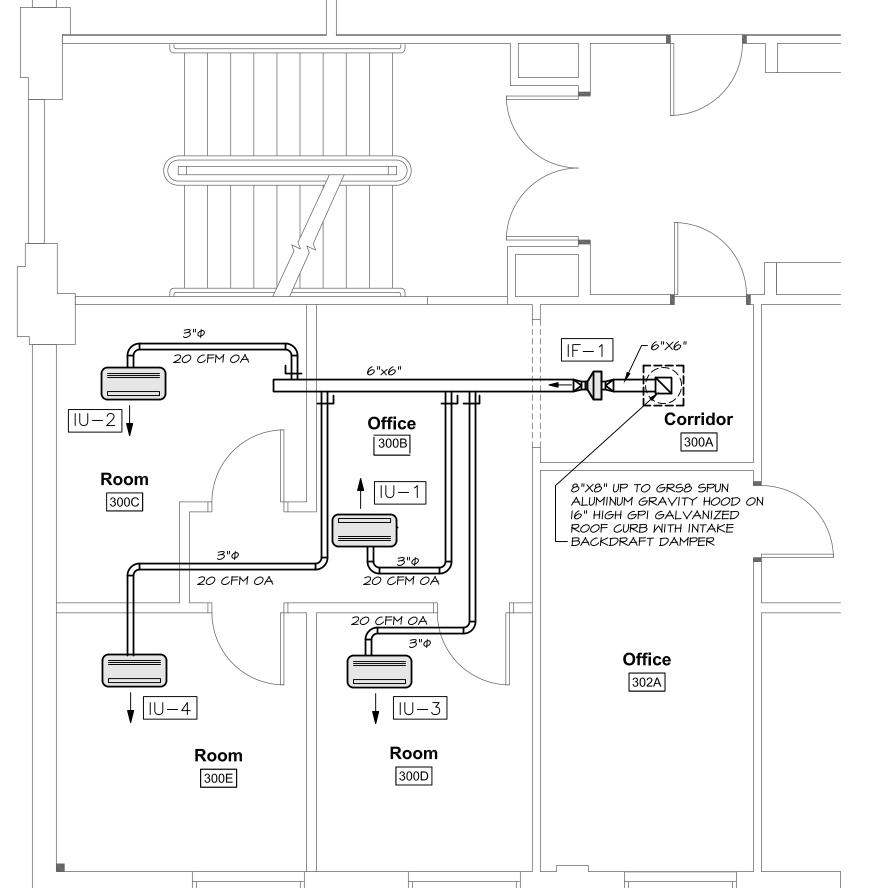
CAP STEAM SUPPLY PIPE AND

EXISTING LOUVER TO REMAIN. CAP

AND CAULK WATERTIGHT.

SCALE: 1/4" = 1'-0"

INSIDE OF LOUVER WITH SHEETMETAL



(3) Mechanical Ventilation # HEATING PIPING PLAN SCALE: 1/4" = 1'-0"

SHEETMETAL NOTES

- All ductwork to be fabricated and installed per SMACNA Low Pressure Ductwork Standards.
- 2. Ductwork is shown diagrammatically and does not indicate all the offsets, rises and drops that will be required.
- 3. All Outside Air Ductwork from the Air Intake Hood to the Indoor Air
- Handlers to be 1½" Foil Faced Duct Wrap.
- 4. Install heavy duty locking quadrant at takeoffs from the main duct.
- 5. Provide and install Buckley Equipment support as shown on plan view. Coordinate with Roofing Contractor. Refer to installation detail on A600.
- 6. Provide and install roof curb, intake backdraft damper and spun aluminum aluminum gravity hood as shown on plan.
- 7. Start and Test all equipment per manufacturer's recommendations.
- 8. Provide I-year warranty on all parts. labor and refrigerant
- 9. Provice 5- year warranty on compressors (parts only) 10. Provide Owner with Maintenance Manuals - Neatly bound.

CONTROL NOTES

- I. It will be the Mechanical Contractor's responsibility to provide and install all controls and all control wiring. Mechanical Contractor to subcontract ATC work to: IB Controls (Brian Lajeunesse) brianl@ibcontrols.com 3 Pope Road Windham, ME 04062
- 2. All control wiring that is run in concealed spaces to be plenum rated.
- 3. All control wiring that is run exposed shall be in electrical conduit provided and installed by the ATC contractor.
- 4. All thermostats to be provided by the Equipment Manufacturer and installed by the ATC contractor.
- 5. All zone valves and transformers to be provided by the ATC contractor for installation by mechanical contractor.
- 6. Heat Pump Manufacturer to supply BACnet gateway for integration
- into the campus Building Management System 7. Sequence of operation

207-893-0080

- 7.1. On a call for heating enable heating.
- 7.2. On a call for cooling enable cooling.
- 7.3. During the occupied cycle enable IF-1.
- 7.4. Monitor and control IF-I through the Building Management System. IF-I to run during the occupied cycle only.

PIPING NOTES

- Piping is shown diagrammatically and does not indicate all the offsets, rises and drops that will be required.
- 2. All refrigerant piping to be Type "K" copper or ACR Tube
- 3. All condensate piping to be Schedule 40 PVC.

REMARKS

WITH BACKDRAFT DAMPER

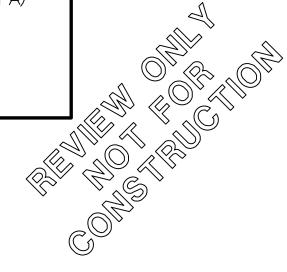
- 4. Insulate all refrigerant piping with $\frac{1}{2}$ " closed cell insulation (Armaflex or equal),
- 5. All outdoor refrigerant piping to be painted with paint approved by insulation

GENERAL NOTES

- All systems are to be to meet the following Codes and Standards. .I. ASHRAE 90.1 2007 Energy Standard for Commercial Buildings.
- ASHRAE 60.1 2007 Standard for Indoor Air Quality in Commercial
- 2009 IECC International Energy Conservation Code. 1.4. NFPA - National Fire Protection Association Standards.

FIRE SPRINKLER NOTES

- Provide all design services, construction documents, labor, Transportation, equipment, permits, materials, tools, inspections, incidentals, tests and perform all operations in connection with the modification of the existing Pipe Sprinkler System in the building.
- 2. Comply with requirements of all Authorities Having Jurisdiction.
- 3. Rearrange sprinkler coverage as required for new partitions. 4. Coordinate with interfacing trades
- 5. Submit equipment and components for review. Prepare sprinkler drawings and Record Drawings.
- 6. Provide I year guarantees and warranties on all new work. 7. The Automatic Sprinkler System shall meet the standards of the most recent edition of the National Fire Protection Association's (NFPA) ___ NFPA 13 Standard for the Installation of Sprinkler Systems.
- 8. Rooms to have sprinkler head relocations include; 8.1. Room 301D -refer to Architectural Drawings 8.2. Rooms 300 A,B,C,D&E







207-775-1059

www.pdtarchs.com **COPYRIGHT** PDT Architects Reuse or reproduction of the contents of this document is no permitted without written permission of PDT Architects.

pu

almo

3

mith

No. Date Description Revision Schedule

17064 DRWN. CHK

SCALE:

1/4"=1'-0" ISSUE 08/04/17

PIPING FIRE SPRINKLER SHEETMETAL ROOMS 300&30

SHEET

M100