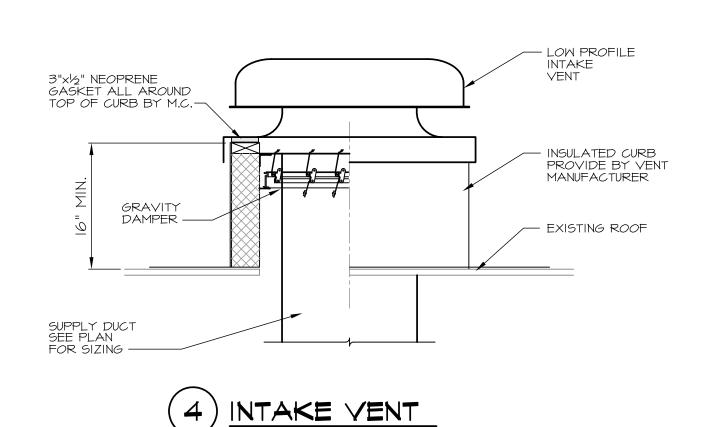
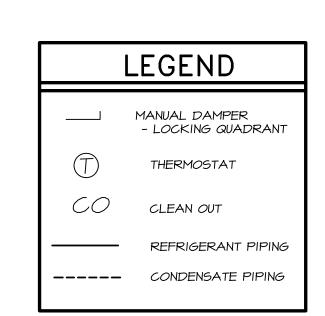
MECHANICAL REFRIGERANT & CONDENSATE PIPING PLAN

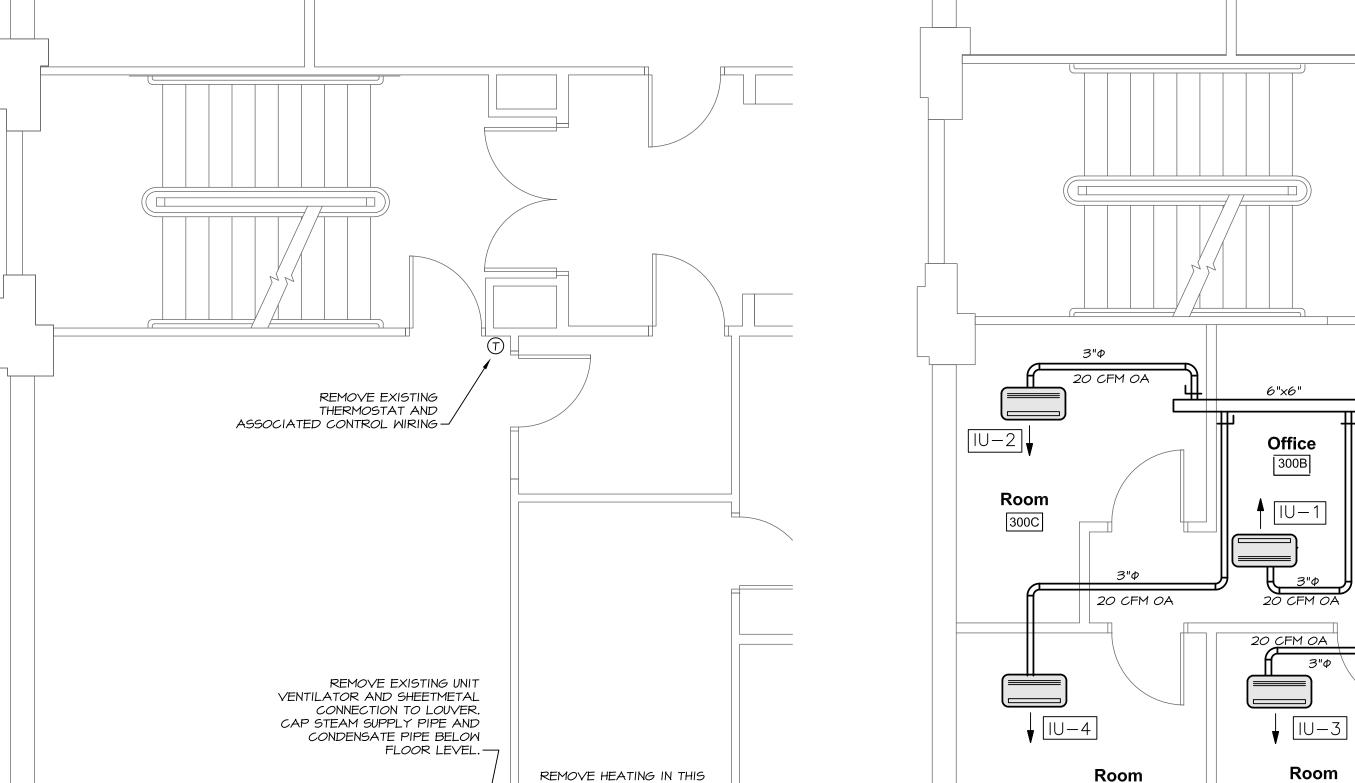
			HEA	AT F	PUM	Р (TUC	DOOR	UNIT SCHEDULE				
DESIGN MANUFACTURER	NOMINAL	DEEDICEDANT	EL	ECTRIC		SEED	UCDE	WEIGHT	REMARKS				
& MODEL	SIZE	REFRIGERANT	POWER	MCA	MOP	OP SEEK	погг	WEIGHT	KEMAKKS				
MITSUBISHI PUMY-P36NKMUI	3.0 TONS	410A	208/60/1	31	40	15.6	10.5	269 LBS	WITH FRONT WIND BAFFLE AND BACNNET INTEGRATION, OR EQUAL BY TRANE, SAMSUNG OR DAIKIN				
	& MODEL	& MODEL SIZE	& MODEL SIZE REFRIGERANT	DESIGN MANUFACTURER NOMINAL REFRIGERANT POWER	DESIGN MANUFACTURER & NOMINAL SIZE REFRIGERANT POWER MCA	DESIGN MANUFACTURER & NOMINAL SIZE NOMINAL SIZE REFRIGERANT POWER MCA MOP	DESIGN MANUFACTURER & NOMINAL SIZE REFRIGERANT POWER MCA MOP SEER	DESIGN MANUFACTURER & NOMINAL SIZE REFRIGERANT POWER MCA MOP SEER HSPF	DESIGN MANUFACTURER & NOMINAL SIZE REFRIGERANT POWER MCA MOP SEER HSPF WEIGHT				

	HEAT PUMP INDOOR UNIT SCHEDULE SCHEDULE										
TAG	DESIGN MANUFACTURER TYPE & MODEL		COOLING CAPACITY BTUH	COOLING HEATING APACITY BTUH CAPACITY BTUH		мса мор		WEIGHT	REMARKS		
IU-I	MITSUBISHI PMFY-P06NBMU-ER5	CEILING CONCEALED I-MAY THROM	6,000	6,700	230-307	0.25	15	31 LBS	WITH THERMOSTAT. OR EQUAL BY TRANE, SAMSUNG OR DAIKIN		
IU-2	MITSUBISHI PMFY-P06NBMU-ER5	CEILING CONCEALED I-MAY THROW	6,000	6,700	230-307	0.25	15	31 LBS	WITH THERMOSTAT. OR EQUAL BY TRANE, SAMSUNG OR DAIKIN		
IU-3	MITSUBISHI PMFY-P06NBMU-ER5	CEILING CONCEALED I-WAY THROW	6,000	6,700	230-307	0.25	15	31 LBS	WITH THERMOSTAT. OR EQUAL BY TRANE, SAMSUNG OR DAIKIN		
IU-4	MITSUBISHI PMFY-PO8NBMU-ER5	CEILING CONCEALED I-MAY THROW	8,000	9,000	230-395	0.25	15	31 LBS	WITH THERMOSTAT. OR EQUAL BY TRANE, SAMSUNG OR DAIKIN		

IN-LINE FAN SCHEDULE										
TAG	DESIGN MANUFACTURER & MODEL	TYPE	СҒМ	ESP	SONES	ELECTRI	С	REMARKS		
						POWER	FLA			
IF-I	FANTECH FG4XL	IN-LINE FAN	80	0.4	1.7 MAX	115 / 60 / 1	0.65	WITH BACKDRAFT DAMPER		







ROOM. CAP STEAM AND

FLOOR LEVEL.

CONDENSATE PIPING BELOW

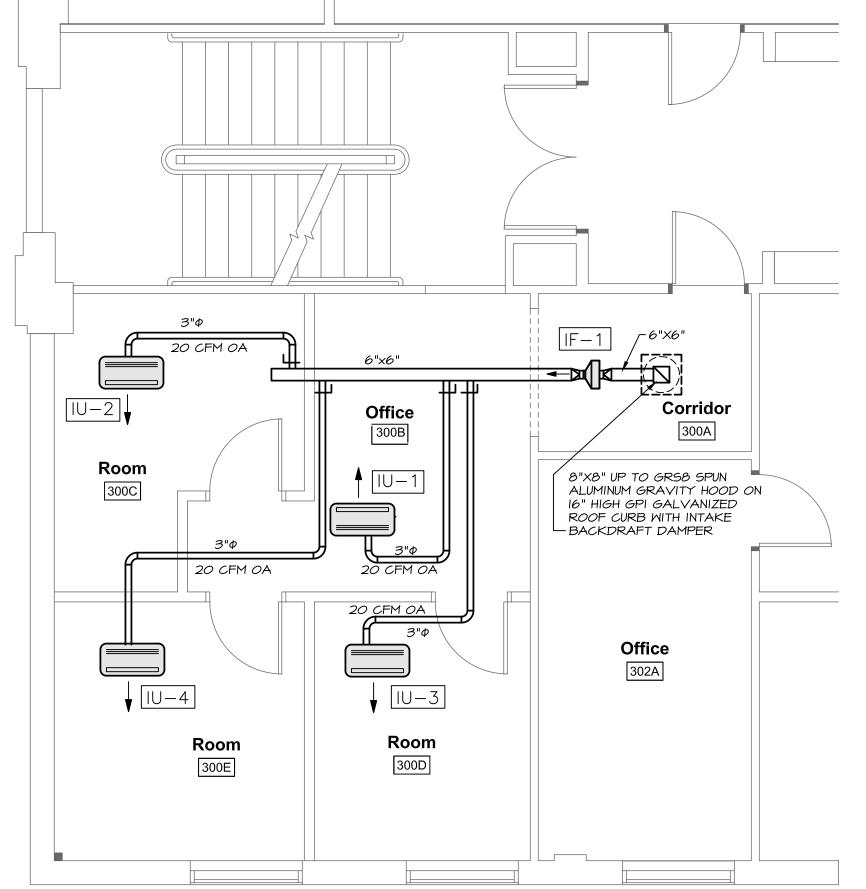
SCALE: 1/4" = 1'-0"

(2) MECHANICAL DEMOLITION PLAN SCALE: 1/4" = 1'-0"

EXISTING LOUVER TO REMAIN. CAP

AND CAULK WATERTIGHT.

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
- 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. 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. 1.1. ASHRAE 90.1 2007 Energy Standard for Commercial Buildings. 1.2. 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
- 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.







SHEET M100

207-775-1059 www.pdtarchs.com

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

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

ISSUE

08/04/17

FIRE SPRINKLER SHEETMETAL ROOMS 300&30

DRWN. CHK

COPYRIGHT

 Submit equipment and components for review. Prepare sprinkler drawings and Record Drawings. contractor for installation by mechanical contractor.

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