KEYNOTES:

1. REMOVE UNIT HEATER AND ALL ASSOCIATED DUCTWORK.
2. REMOVE EXHAUST LOUVER AND ASSOCIATED WIRING TO NEW LOCATION.
3. MATCH EXISTING. EXTEND NEW CONTROL PATCH EXISTING WALLS THAT REMAIN TO FURNACE AND ALL ASSOCIATED CONTROL.
4. RELOCATE THERMOSTAT FOR EXISTING REMOVE SUPPLY DIFFUSERS, GRILLES, AND ASSOCIATED COMPONENTS.
5. REMOVE FURNACE RETURN DUCT, HANGERS, DIFFUSERS, AND ASSOCIATED COMPONENTS.
6. REMOVE FURNACE SUPPLY DUCT, HANGERS, DIFFUSERS, AND ASSOCIATED COMPONENTS.
7. REMOVE UNIT HEATER AND ALL ASSOCIATED DUCTWORK.
8. REMOVE EXHAUST LOUVER AND ASSOCIATED WIRING TO NEW LOCATION.
9. MATCH EXISTING. EXTEND NEW CONTROL PATCH EXISTING WALLS THAT REMAIN TO FURNACE AND ALL ASSOCIATED CONTROL.
10. RELOCATE THERMOSTAT FOR EXISTING REMOVE SUPPLY DIFFUSERS, GRILLES, AND ASSOCIATED COMPONENTS.
11. REMOVE FURNACE RETURN DUCT, HANGERS, DIFFUSERS, AND ASSOCIATED COMPONENTS.
12. REMOVE FURNACE SUPPLY DUCT, HANGERS, DIFFUSERS, AND ASSOCIATED COMPONENTS.
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25. REMOVE UNIT HEATER AND ALL ASSOCIATED DUCTWORK.
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31. REMOVE UNIT HEATER AND ALL ASSOCIATED DUCTWORK.
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34. RELOCATE THERMOSTAT FOR EXISTING REMOVE SUPPLY DIFFUSERS, GRILLES, AND ASSOCIATED COMPONENTS.
35. REMOVE FURNACE RETURN DUCT, HANGERS, DIFFUSERS, AND ASSOCIATED COMPONENTS.
36. REMOVE FURNACE SUPPLY DUCT, HANGERS, DIFFUSERS, AND ASSOCIATED COMPONENTS.
1. OUTSIDE AIR SERVING ALL FURNACES THAT PROVIDE SPACE HEATING/COOLING FOR THE SCOPE OF WORK AREA SHALL HAVE THE FOLLOWING MODIFICATIONS.

- NO ADJUSTMENTS TO BE MADE TO FURNACES THAT SERVE ZONES OUTSIDE THE PROJECT SCOPE INDICATED ON THE VENTILATION DRAWINGS.

- LOCK OUTSIDE AIR DAMPER LINKAGE IN THE CLOSED POSITION SUCH THAT THEY NO LONGER FUNCTION. DESIGN INTENT IS TO REMOVE ALL OUTSIDE AIR PASSING THROUGH THE FURNACE COIL, ALL ZONES SERVED BY THE INDIVIDUAL FURNACES SHALL NOW HAVE VENTILATION PROVIDED BY ADJACENT DOAS - 1 AND DOAS - 2. THERE ARE (6) OUTSIDE AIR DAMPERS AND ASSOCIATED LINKAGES CONNECTED TO THE RETURN DAMPER IN EACH PENTHOUSE SHOWN ON PLAN WITH EXCEPTION OF THE CENTRAL PENTHOUSE WHICH HAS (5).

- CONFIRM EACH RETURN AIR DAMPER IS 100% OPEN ONCE OUTDOOR AIR WORK NOTED BELOW IS COMPLETE, BASED ON INTERIOR LINKAGE SYSTEM CONNECTED TO EACH FURNACE OUTSIDE AIR.

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**NOTES:**

- REFER TO RTU SCHEDULE ON SHEET M600 AND DETAIL 3/M400.
- REFER TO DOAS SCHEDULE ON SHEET M600 AND DETAIL 3/M400.
- EXISTING FURNACE CONDENSING UNITS AND TO REMAIN (TYP.)
- REFER TO EXHAUST FAN DETAIL 1/M401.

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**KEYNOTES:**

- SS-1 OUTDOOR UNIT REFER TO CONDENSING UNIT ROOF SUPPORT DETAIL 2/M400
- SS-2 OUTDOOR UNIT REFER TO CONDENSING UNIT ROOF SUPPORT DETAIL 2/M400

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**PROJECT:** 21002283.01

ALLIED HEALTH ADDITION AND REMODEL

**ALLIED WING ROOF - MECHANICAL**

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**SCALE:** 1/8" = 1'-0"

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AIR FLOW
1 1/2" x 1 1/2" MINIMUM
14 GAUGE ANGLE ON ALL SIDES OF OPENING AND BOTH SIDES OF WALL. ANGLES SHALL OVERLAP OPENING BY 1" MINIMUM AND COVER CORNERS OF OPENING.

WALL OPENING SHALL BE 1/8" LARGER THAN DAMPER PER LINEAR FOOT IN HEIGHT AND WIDTH. (NOT LESS THAN 1/4" LARGER.)

INSULATION WHEN DUCT IS WRAPPED. (ALL AROUND DUCT ON BOTH SIDES OF WALL.)

METAL NOSING - IF DUCT IS LINED.

SLEEVE THRU WALL. EXTEND SLEEVE 3" MIN. TO 16" MAX. ON ACCESS DOOR SIDE OF WALL.

SLEEVE THRU WALL. EXTEND SLEEVE 3" MIN. TO 6" MAX. ON THIS SIDE OF WALL.

NOTE: PROVIDE ACCESS DOORS FOR ALL FIRE DAMPERS AND LABEL WITH 1/2" HIGH LETTERING "FIRE DAMPER"

FUSIBLE LINK

DUCTWORK

OPERATING SPRING

TYPE "B"

ANCHOR DAMPER AND ANGLES TO SLEEVE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

DO NOT FASTEN ANGLES TO WALL.

MOTOR OPERATED DAMPER PROVIDED BY FAN MANF. 120V CONNECTION BY E.C.
### 3. CUSTOM COLOR SELECTION BY ARCHITECT.

1. CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION.

2. COLOR SELECTION BY ARCHITECT.

### CABLE SCHEDULE - ELECTRIC

**NOTES:**
- 6. STAGES: DIG = DIGITAL SCROLLS, VFD = INVERTER, # = NUMBER OF COMPRESSOR STAGES.
- 5. REFER TO CONTROL DRAWINGS FOR DESCRIPTION OF CONTROL TYPE.
- 4. LAT LISTED IS AT LEAVING SIDE OF COOLING COIL.

### CABINET SCHEDULE - ELECTRIC

**NAME AREA SERVED**
- CAB-1 LOWER

**TAG NAME AREA SERVED CONFIGURATION**
- RAD-2 COMMONS CORRIDOR 0201
- RAD-1 COMMONS CORRIDOR 0201

**TAG**
- RG-1 24x24 PERFORATED FACE LAY-IN STEEL WHITE
- RD-1 24x24 PANEL FACE LAY-IN STEEL WHITE
- SG-2 INLET +2 15 DEGREE DEFLECTION 1 1/4" STEEL
- SD-2 12x12 PANEL FACE LAY-IN STEEL WHITE
- SD-1 24x24 PANEL FACE LAY-IN STEEL WHITE

### RTU-14 COMMONS SCHEDULE

**MODEL SEER MCA MOCP VOLTAGE PHASES**
- MFR. NF MFR. VFD 10,000 77.1 64.1 56.6 53.3 99.72 140 95 2 0 140 112 14 15 ME RV 8 1 0 0 0 0 1/TC50

### ENTRY 202A

**No. of Fans CFM**
- Total
- Min.

**External S.P.**
- Type

**Fan RPM**
- Type

**BHP Each**
- Max.

**Cabinet Heating Element Electrical**
- Drive

### SCHEDULE GENERAL NOTES:

- A. DISCONNECT CONTROLLER/ STARTER
- B. TYPE (NOTE A) SCCR
- C. CONTROLLER STARTER TYPE:
- MFR = MANUFACTURER
- GC = BY GENERAL CONTRACTOR
- MFR/EC = FURNISHED LOOSE BY MANUFACTURER INSTALLED BY CONTRACTOR...
- E. NO EQUIPMENT SHALL BE SELECTED ABOVE 90% OF MOTOR NAME PLATE...
- F. MUST BE WITHIN +/- 10% OF SCHEDULED RPM.
- G. CURB TYPE:
- NF = NON-FUSED
- MFR = STANDARD CURB BY MANUFACTURER
- MS = MANUAL STARTER

### PROJECT:

- SCOTT COMMUNITY COLLEGE - BELMONT CAMPUS
- ALLIED HEALTH ADDITION AND REMODEL
- MECHANICAL

### CONTACTS:

- STUDIO 483 ARCHITECTS
- 563.326.2555

- MECHANICAL SCHEDULES

- M600