

**BUILDING 13** PHASING NOTES: COMPLETE ALL WORK IN BUILDING 13 DURING EVENING, OVERTIME, OR WEEKEND HOURS IN CAREFUL COORDINATION WITH THE OWNER. WORK SHALL BE COMPLETED DURING SPRING, FALL, OR WINTER MONTHS.

THE SPACES IN BUILDING 13 SHALL BE CLEANED AND READY FOR NORMAL OPERATION EACH MORNING AFTER EVENING WORK IS COMPLETE. . COORDINATE START OF WORK A MINIMUM OF 2 WEEKS AHEAD OF TIME WITH OWNER.

AIR HANDLER PHASING NOTES: ALL AIR HANDLER REPLACEMENTS SHALL BE

PERFORMED IN APRIL/MAY OR SEPTEMBER/OCTOBER MONTHS IN CAREFUL COORDINATION WITH THE OWNER. PROVIDE A MINIMUM OF 2 WEEKS NOTICE PRIOR TO BEGINNING WORK. FOR TEMPORARY AIR HANDLER OPERATION, PROVIDE A TEMPORARY FAN EQUAL TO THE UNIT AIRFLOW/HORSE POWER, AND HEPA FILTER TO BE MOUNTED TO THE SUPPLY DUCTWORK PRIOR TO REMOVING UNIT. REFER TO FLOOR PLANS FOR SUGGESTED TEMPORARY SUPPLY FAN LOCATION. FAN SHALL RUN CONTINUOUSLY. MAINTAIN THE MECHANICAL ROOM TEMPERATURE AT A

MINIMUM OF 55 DEGREES AND MAXIMUM OF 70

DEGREES DURING AHU CHANGE OUT USING EXISTING

HEATING UNITS OR TEMPORARY COOLING/HEATING UNITS. OUTSIDE AIR, RETURN AIR, RELIEF AIR, AND SUPPLY AIR DUCTS SHALL BE LEFT OPEN TO USE THE MECHANICAL ROOM AS A PLENUM. ALL UNIT SHUTDOWN WORK SHALL BE COMPLETED DURING WEEKEND AND EVENING HOURS. REPLACEMENT OF UNIT SHALL BE COMPLETED AS QUICKLY AS POSSIBLE WITH MULTIPLE SHIFTS REQUIRED TO EXPEDITE WORK. ALL CONTROLS WORK THAT CAN BE COMPLETED BEFORE AND SHALL BE COORDINATED. WORK SHALL BE COMPLETED DURING SPRING, FALL, OR

WINTER MONTHS. DISASSEMBLE NEW AIR HANDLERS TO THEIR SMALLEST COMPONENTS AS REQUIRED TO FIT THROUGH EXISTING DOORS. TEMPORARILY REMOVE EXISTING MECHANICAL ROOM DOORS AS NECESSARY.

MECHANICAL NOTES: CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK AND NOTIFY THE

ARCHITECT/ENGINEER OF ANY DISCREPANCIES BETWEEN THE "AS-BUILT" CONDITIONS AND THESE DRAWINGS. COORDINATE ALL HVAC PIPING AND DUCTWORK INSTALLATION WITH GENERAL. PLUMBING, FIRE PROTECTION, AND ELECTRICAL CONTRACTORS. INSTALL ALL HVAC PIPING AND DUCTWORK AS HIGH AS

POSSIBLE. PROVIDE ALL NECESSARY OFFSETS (DROPS AND RISES) TO KEEP HVAC PIPING AND DUCTWORK TIGHT TO THE STRUCTURE ABOVE AND INSTALLATION BY ALL TRADES. OFFSET HVAC PIPING AND DUCTWORK TO AVOID BEAMS. THIS CONTRACTOR SHALL OPEN ALL EXISTING WALLS

AND/OR CEILINGS FOR INSTALLATION OF NEW HVAC PIPING AND VENTILATION DUCTWORK, EQUIPMENT, ETC. AS REQUIRED. PATCH WALLS AND/OR CEILINGS TO MATCH EXISTING.

. MAINTAIN 3'-0" CLEAR SPACE IN FRONT OF ALL ELECTRICAL, CONTROL, AND ACCESS PANELS FOR

ALL SHUT-OFF VALVES, CONTROL VALVES, STRAINERS, DAMPERS, ETC... SHALL BE INSTALLED IN ACCESSIBLE CEILINGS. VALVES SHALL BE LOCATED NOT MORE THAN

2 FEET ABOVE ACOUSTICAL CEILINGS. PROVIDE 1/2" DRAIN VALVE AT ALL LOW POINTS OF

EACH SYSTEM TO ENABLE COMPLETE DRAINAGE. PROVIDE 1/2" VENT VALVES AT ALL HIGH POINTS OF EACH SYSTEM TO ENABLE COMPLETE VENTING.

G. ALL OPEN ENDS OF DUCTS SHALL BE CAPPED AT THE END OF CONSTRUCTION EACH DAY. H. ALL NEW PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE TO AVOID TRIPPING HAZARDS IN WALKWAYS

BUT AT A HEIGHT TO REMAIN ACCESSIBLE. KEEP ALL EQUIPMENT ACCESS PATHS CLEAR. ALL EXISTING DIFFUSERS, GRILLES, AND FLEX DUCTS AFFECTED BY CEILING REMOVAL AND RE-INSTALLATION SHALL BE TEMPORARILY SUPPORTED DURING

CONSTRUCTION AND RE-INSTALLED AFTER CEILING WORK IS COMPLETE. ALL SPRINKLER ESCUTCHEONS SHALL BE REMOVED AND REINSTALLED AS REQUIRED FOR CEILING WORK.

1 PROVIDE DUCT MOUNTED DX COOLING COIL. ALL ─ DUCTWORK MOUNTED 3' UPSTREAM AND DOWNSTREAM OF COIL SHALL SHALL BE STAINLESS STEEL INCLUDING INTEGRAL DRAIN PAN BELOW THE COIL. 2 EXISTING DDC CONTROL PANEL. RETAIN EXISTING PNEUMATIC CONTROLS FOR EXISTING RADIATION AND

WIRING TO ALL NEW DEVICES AND PROVIDE ADDITIONAL PANEL AS REQUIRED. (3) REMOVE EXISTING DAMPER ACTUATOR AND LOCK DAMPER IN OPEN POSITION.

OTHER DEVICES NOT BEING REPLACED. PROVIDE NEW

4 REPLACE EXISTING STEAM CONTROL VALVE FOR EXISTING RADIATION WITH NEW CONTROL VALVE AND THERMOSTAT. CUT AND PATCH EXISTING WALL AS REQUIRED TO INSTALL NEW WIRING AND THERMOSTAT.

SIZE VALVE FOR 40 #'S/HR AT 7 PSI INLET

 $\langle$  5  $\rangle$ RE-INSTALL EXISTING LADDERS AND PLATFORMS ON CATWALKS UP AGAINST NEW AIR HANDLER. PROVIDE UNI-STRUT SUPPORT AS REQUIRED.

 $\langle$  6  $\rangle$ COORDINATE WITH G.C. FOR EXTENDING AIR HANDLER SUPPORTS FOR LARGER UNIT. RELOCATE EXISTING 1-1/2" COMPRESSED AIR LINE AROUND NEW UNIT

(7)RE-INSTALL EXISTING 1/3 AND 2/3 STEAM VALVES AND CONNECT STEAM AND CONDENSATE PIPING TO NEW AIR HANDLER.

 $\langle$  8  $\rangle$ PROVIDE NEW SPACE SENSOR AND ALL ASSOCIATED ─/ WIRING REQUIRED. CUT AND PATCH WALL AS REQUIRED TO MATCH EXISTING.

⟨ 9 ⟩STRUCTURAL CROSS BRACING IS LOCATED BETWEEN THE ROOF TRUSSES. PROVIDE A SHEET METAL SLEEVE AROUND EACH STRUCTURAL BRACE THAT PENETRATES
THE OUTSIDE AIR DUCT. SEAL EACH DUCT/BRACE

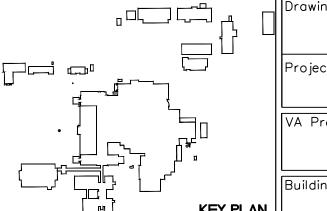
PENETRATION AIR TIGHT. PROVIDE DUCTWORK CONNECTED TO EXISTING LOUVER IN ORDER TO DISCHARGE EXHAUST AIR OVER ROOF. SEE SECTION FOR MORE INFORMATION.



Date

Revisions





ng Title BUILDING 13 REMODELING PLANS		Project Title REPLACE OR UPGRADE HVAC SYSTEM COMPONENTS		
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