



- KEYED NOTES**
- REMOVE AND DISPOSE OF EXISTING CONDENSATE PUMP, ENCLOSURE, AND PIPING TO EXTENTS INDICATED AND PREPARE EXISTING PIPING TO BE CONNECTED TO REPLACEMENT CONDENSATE PUMP PER M-411.
 - REFER TO CIVIL CD101 FOR BOLLARD REMOVAL AND DISPOSAL.
 - REMOVE AND DISPOSE OF EXISTING CHILLED WATER EXPANSION TANK (432TCHWX02-1) AND BFP (432VBFPBC03) WITH PIPING, VALVING AND APPURTENANCES FROM TANK TO MAIN. EXISTING CHILLED WATER MAKEUP WATER CONNECTION, PRV, BACKFLOW PREVENTER, AND EXPANSION TANK MUST REMAIN CONNECTED TO CHILLED WATER SYSTEM WHILE TEMPORARY CHILLER IS IN OPERATION.
 - REMOVE AND DISPOSE OF APPROXIMATELY 50 FEET OF 2" FIRE SPRINKLER PIPING BELOW EXISTING SUSPENDED AIR HANDLING UNIT, THREE SPRINKLER HEADS, AND ALL APPURTENANCES FROM END OF PIPING BRANCH TO MAIN TEE TIE-IN AS NECESSARY TO ACCOMMODATE REMOVAL OF EXISTING ACU. CAP IMPACTED FSL BRANCHES FOR DURATION OF CONSTRUCTION. REFER TO M-413 FOR NEW FIRE SPRINKLER PIPING AND HEADS TO MATCH EXISTING LAYOUT AFTER NEW DUCTWORK IS INSTALLED IN THIS AREA.
 - REMOVE AND DISPOSE OF ALL EXISTING PNEUMATIC CONTROL DEVICES, WIRING, TUBING, CONDUIT, CONTROLLERS, AND APPURTENANCES SERVING EXISTING 432ACU01-A1 THROUGH TCP-1 IN BOILER ROOM MADE OBSOLETE BY PROJECT. RETAIN ALL PNEUMATICS CONTROLS CONNECTED TO TCP-1 SERVING EQUIPMENT NOT IN SCOPE. FIELD-VERIFY EXTENT OF DEMOLITION REQUIRED TO REMOVE OBSOLETE PNEUMATIC CONTROLS PRIOR TO BID.
 - REMOVE AND DISPOSE OF ALL EXISTING PNEUMATIC CONTROL DEVICES, WIRING, TUBING, CONDUIT, CONTROLLERS, AND APPURTENANCES SERVING EXISTING 432RCHC01-4 MADE OBSOLETE BY PROJECT. RETAIN ALL PNEUMATICS CONTROLS SERVING EQUIPMENT NOT IN SCOPE, PARTICULARLY ANY PNEUMATIC CONTROLS REQUIRED FOR EXISTING TO REMAIN AIR HANDLING UNIT CONTROLS. FIELD-VERIFY EXTENT OF DEMOLITION REQUIRED TO REMOVE PNEUMATIC CONTROLS AND APPURTENANCES PRIOR TO BID.

- GENERAL NOTES**
- REFER TO M-001 FOR MECHANICAL ABBREVIATIONS, LEGEND, SYMBOLS, AND GENERAL NOTES.
 - COMPONENTS SHOWN DASHED ON THIS DRAWING ARE ITEMS TO BE DEMOLISHED; HALF-TONE COMPONENTS ARE EXISTING-TO-REMAIN.
 - PRIOR TO ANY DEMOLITION ACTIVITIES, SUBCONTRACTOR MUST COORDINATE WITH THE STR TO REVIEW FACILITY ES&H DOCUMENTS, EQUIPMENT TO BE REMOVED, MATERIALS TO BE REMOVED OR DISTURBED, AND IDENTIFY A PLAN PRIOR TO COMMENCING THE WORK. ITEMS TO REVIEW INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: NEW WORK IN DISTURBING EXISTING WALLS, FLOORS, ROOFS, OR CEILINGS; ALL CUTTING OR DRILLING; ALL DEMOLITION; REMOVAL AND DISPOSAL.
 - CUT, REMOVE, AND LEGALLY DISPOSE OF ALL MECHANICAL ITEMS SELECTED FOR DEMOLITION AND ANY MECHANICAL ITEMS MADE OBSOLETE BY THE NEW WORK, INCLUDING EXISTING EQUIPMENT/PIPE/TUBE SUPPORTS AND HANGERS.
 - REFER TO M-002 FOR INSTALLATION OF SELECT CHWS, CHWR, LCWS, & LCWR PIPING AND LINE-SIZE ISOLATION VALVES WITHIN FIRST SYSTEM SHUTDOWN AT BEGINNING OF CONSTRUCTION PROJECT TO ACCOMMODATE NEW CONSTRUCTION WORK.
 - REFER TO STRUCTURAL AND CIVIL DRAWINGS FOR SITE DEMOLITION REQUIRED TO SUPPORT INSTALLATION OF NEW HVAC EQUIPMENT.
 - PROVIDE LOCKOUT-TAGOUT PLAN FOR APPROVAL PRIOR TO DEMOLITION START.

- KEYED NOTES**
- REMOVE AND DISPOSE OF EXISTING WATER COOLED CHILLER, ALL EXTERIOR PIPING (MINIMUM 170 FT), VALVING, SUPPORTS, ANCHORAGE, AND APPURTENANCES. REFER TO MD801 FOR ADDITIONAL REQUIREMENTS.
 - REMOVE AND DISPOSE OF EXISTING BASE-MOUNTED PUMP, ALL EXTERIOR PIPING, VALVES, ACCESSORIES, SUPPORTS, ANCHORAGE, AND APPURTENANCES. REMOVE AND DISPOSE OF EXISTING CONCRETE PUMP PAD.
 - RETAIN EXISTING CHW AND LCW PIPING PENETRATIONS THROUGH WALL FOR CONNECTION TO NEW EXTERIOR CHW AND LCW PIPING. PREPARE EXISTING INSULATION AND JACKETING TO BE COVERED BY NEW INSULATION AND JACKETING.
 - REMOVE AND DISPOSE OF AIR CONDITIONING UNIT CHILLED WATER PIPING, VALVING, UNIT CONNECTIONS, SUPPORTS, ANCHORAGE, AND ALL APPURTENANCES FROM UNIT TO CHW INTERFACE POINT INDICATED. WORK SHALL BE ACCOMPLISHED WITHOUT DRAINING FULL SYSTEM. FREEZING PIPE OR USING HOT TAP PIPE PLUG INSERTION SOLUTION IS ACCEPTABLE.
 - REMOVE AND DISPOSE OF EXISTING 2" CONDENSATE PIPING AND PIPE SUPPORTS BETWEEN ACU AND SURFACE DRAIN AS INDICATED.
 - REMOVE AND DISPOSE OF AIR CONDITIONING UNIT HEATING HOT WATER PIPING, VALVING, UNIT CONNECTIONS, SUPPORTS, ANCHORAGE, AND ALL APPURTENANCES FROM UNIT TO EXTENTS NECESSARY TO ACCOMMODATE NEW WORK SHOWN ON M-802. WORK SHALL BE ACCOMPLISHED WITHOUT DRAINING FULL SYSTEM. FREEZING PIPE OR USING HOT TAP PIPE PLUG INSERTION SOLUTION IS ACCEPTABLE.

KEY PLAN

Sheet Title
MECHANICAL ENLARGED 1ST AND 2ND FLOOR OPTICS LAB DEMOLITION PLANS - PIPING

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