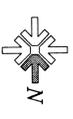


KEYED NOTES:

- SYMBOL USED FOR NOTE CALLOUT.
- EXISTING RELIEF LOUVER (OPEN TO MECHANICAL ROOM).
 - EXISTING CAPPED RELIEF LOUVER TO BE USED FOR EMERGENCY VENTILATION EXHAUST SYSTEM. REMOVE EXISTING SHEETMETAL COVER FROM INSIDE FACE OF LOUVER.
 - NEW EXHAUST AIR PLENUM CONNECT PLENUM TO EXISTING LOUVER (INSIDE DIMENSIONS APPROXIMATELY 50"x14", FIELD VENT) - PLENUM SIZE (ACTUALLY 50" WIDE X 35" HIGH X 12" DEEP) (CONNECTION TO FIELD VENTOR EXACT DIMENSIONS) - EXTEND FROM PLENUM.
 - INLINE EXHAUST FAN (EF-1) - SUSPEND FAN FROM CEILING STRUCTURE WITH 3/8" ROD & SPRING TYPE VIBRATION ISOLATORS. PROVIDE FLEXIBLE DUCT CONNECTIONS AT FAN INLET & OUTLET.
 - BACKDRAFT DAMPER MOUNTED IN EXHAUST DUCTWORK.
 - TRANSITION DUCTWORK DOWN & ROUTE BETWEEN (2) EXISTING STEAM CONDENSATE PIPES.
 - EXTEND 22x16 EXHAUST DOWN ALONG COLUMN TO 12" A.F.F. PROVIDE EXPANDED METAL SCREEN AT DUCT OPENING.
 - COMPENSATE ROUTING OF NEW DUCTWORK WITH NEW AND EXISTING MECHANICAL SYSTEMS.
 - NEW REFRIGERANT MONITORING SYSTEM AND 4-20 mA INTERFACE TOP OF MODULE MOUNTED ON WALL AT 60" A.F.F.
 - REFRIGERANT MONITOR FILTER ASSEMBLY MOUNT FILTER BRACKET ON COLUMN OR WALL AT 60" A.F.F. (TOP AS DIRECTED BY MANUFACTURER). EXTEND AIR SAMPLE CONTROL TUBING FROM FILTER ASSEMBLY IN 1/2" CONDUIT AT MECHANICAL ROOM CEILING, BACK TO THE REFRIGERANT MONITOR (RMS-1).
 - REFRIGERANT MONITORING SYSTEM WARNING HORN & STROBE LIGHT TO BE MOUNTED IN CONTROL ROOM. COORDINATE EXACT LOCATION W/ OWNER.
 - REFRIGERANT MONITORING SYSTEM WARNING HORN & STROBE LIGHT TO BE MOUNTED ON WALL ABOVE DOOR. VERIFY LOCATION W/ OWNER.
 - NEW CENTRIFUGAL CHILLER CH-3 MOUNT AND SECURE CHILLER ON NEW 6" CONCRETE HOUSING/KEEPING PAD.
 - NEW PRIMARY COOLED WATER PUMP CWP-3 PUMP SHALL BE SUPPORTED FROM NEW 4" CONCRETE PAD INDEPENDENTLY OF THE PIPING SYSTEM.
 - 8" FLANGED CAPTED TEE FOR FUTURE CONNECTION TO THE 8" COOLED WATER BYPASS BETWEEN CWP-1 AND CWP-2 (FOR FUTURE ADDITIONAL FREE COOLING).
 - INSTALL 16" CWS LINES FOR NEW SECONDARY PUMPING SYSTEM.
 - INSTALL 16" CDR AND CDS LINES FOR NEW INDIRECT FREE COOLING SYSTEM.
 - INSTALL CT-1 MANUAL ISOLATION VALVE.
 - WATER FLOW METER PROVIDED BY CONTRACTOR. INSTALLED BY MECHANICAL CONTRACTOR. WATER SHALL BE ONCON INSERTION FLOW METER MODEL FT710. PROVIDE W/EXTENDED STEM, STAINLESS STEEL CONSTRUCTION, AND STAINLESS STEEL INSTALLATION HARDWARE.
 - INSTALL 8" CHILLED WATER CROSSOVER LINE.
 - INSTALL A NEW 2" CWS LINE TO SERVE THE PARKING STRUCTURE AIR HANDLER.
 - CONNECT (4) NEW 1 1/4" REFRIGERANT RELIEF VENT LINES TO EXISTING REFRIGERANT RELIEF HEADER.
 - COOLING TOWER VFD MOUNTED ON COOLING TOWER.
 - SEDIMENT SEPARATOR CONTROL PANEL.
 - ROUTING OF NEW PIPING AND DUCTWORK SHALL BE KEPT HIGH IN SPACE. NEW PIPING AND DUCTWORK INSTALLATION SHALL NOT INHIBIT THE FUTURE REMOVAL OF MECHANICAL EQUIPMENT.
 - EXISTING CONDENSER WATER DRAIN AND TESTING PIPE. THIS AREA SHALL REMAIN UNDER THIS PROJECT. PROVIDE ADDITIONAL SUPPORTS FOR EXISTING PIPING.

Mechanical Room Plan - New Work



SCALE 1/4"=1'-0"

DESIGN	CEP
DRAWN	CEP
CHECKED	DOM
DATE	AUG 28, 2000
SCALE	SEE PLAN
JOB NO.	9989
DWG NO.	9989

DPW PROJECT NO. 98-015
REPLACE CHILLER - CAPITOL MALL
DEPARTMENT OF ADMINISTRATION
BOISE, IDAHO


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 PROJECT NUMBER: 9989



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