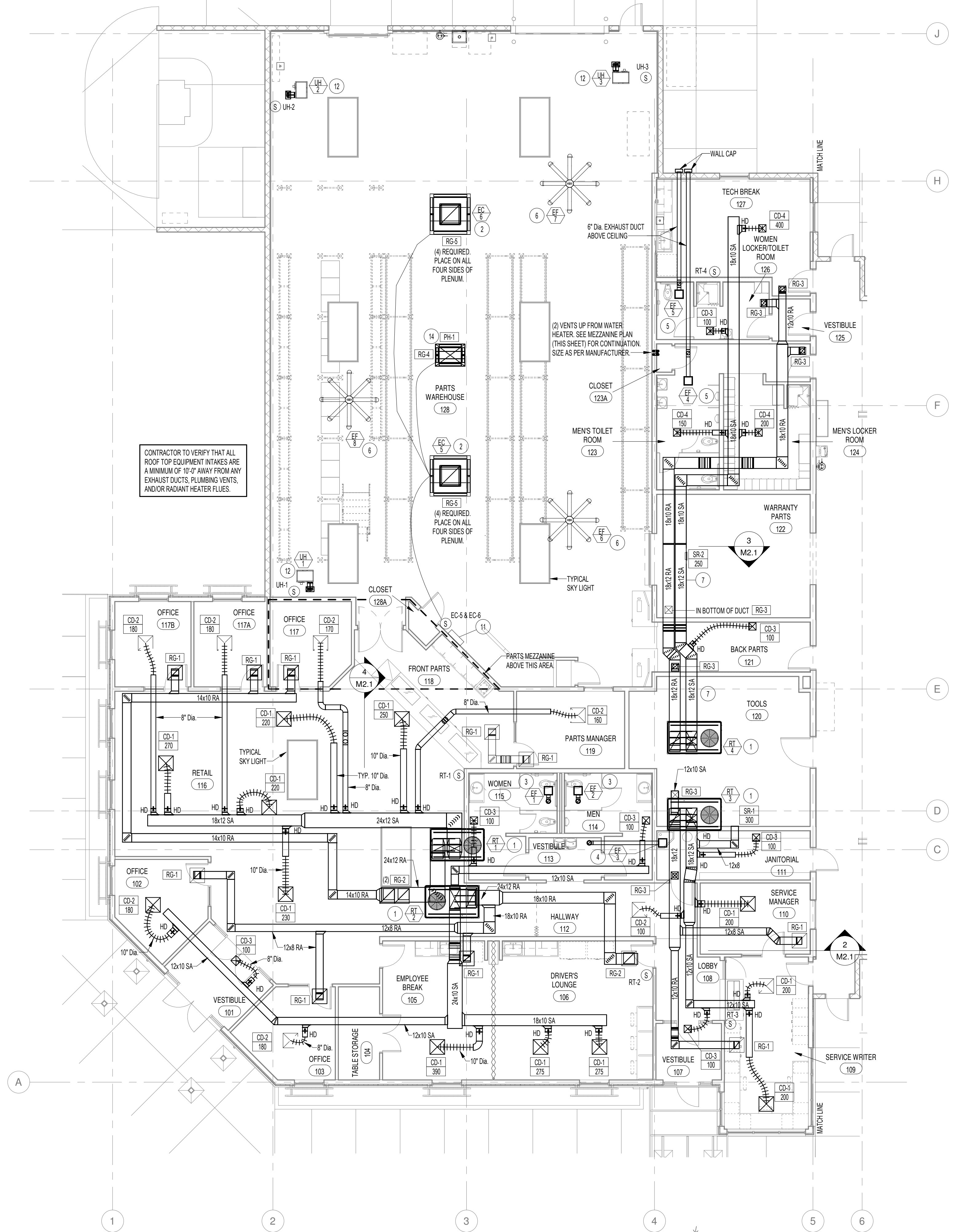
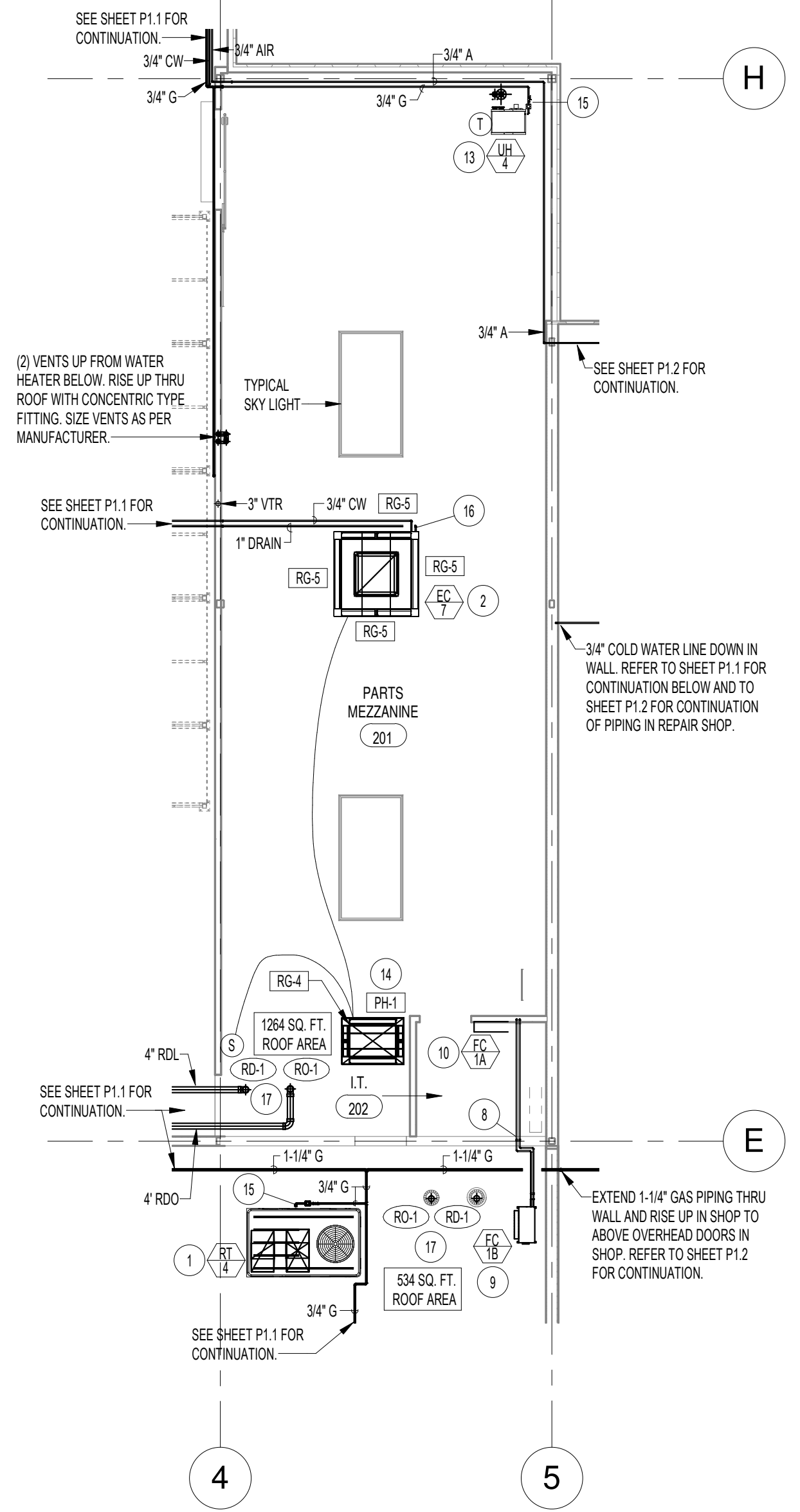


MECHANICAL MEZZANINE PLAN - PART 1

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



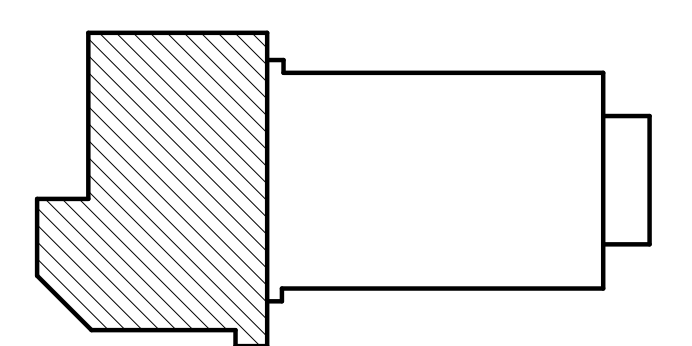
MECHANICAL FLOOR PLAN - PART 1

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

PLAN NOTES:

- 1 PROVIDE AND INSTALL ROOF TOP UNIT AS SPECIFIED. MOUNT ON ROOF WITH ROOF CURB. DROP SUPPLY AND RETURN DUCTS DOWN THRU ROOF AND RUN IN CEILING SPACE AS SHOWN. REFER TO DETAIL BM3.1 FOR TYPICAL ROOF TOP EQUIPMENT MOUNTING.
- 2 PROVIDE AND INSTALL EVAPORATIVE COOLER AS SPECIFIED ON ROOF WITH ROOF CURB. DROP 3/4" DUCTWORK DOWN THRU ROOF AND CAP BOTTOM OF DUCT AT 18" BELOW BOTTOM OF ROOF JOISTS. PROVIDE DUCT TRANSITIONS AS REQUIRED. REFER TO DETAIL LM3.1 FOR TYPICAL INSTALLATION.
- 3 INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED AND RISE 4" DIA. DUCT UP THRU ROOF TO ROOF CAP. REFER TO DETAIL CM3.1 FOR TYPICAL INSTALLATION.
- 4 INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. MOUNT BELOW DUCTWORK. RUN 4" DIA. DUCT ABOVE TOILET ROOM CEILING AND RISE UP THRU ROOF WITH ROOF CAP. EXHAUST VENT TO BE LOCATED A MINIMUM OF 10'-0" AWAY FROM AIR INTAKE OF ANY AND ALL ROOF TOP HVAC UNITS.
- 5 INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED AND RUN 6" DIA. EXHAUST DUCT THRU CEILING SPACE TO WALL CAP. REFER TO DETAIL HM3.1 FOR TYPICAL INSTALLATION.
- 6 PROVIDE AND INSTALL 8'-0" DIA. CIRCULATION FAN AS SPECIFIED. MOUNT AT 22'-0" ABOVE FLOOR. COORDINATE ACTUAL LOCATION WITH STORAGE RACKS, LIGHT FIXTURES, DUCTWORK AND PIPING.
- 7 RUN DUCTWORK EXPOSED THRU ROOM. KEEP AS TIGHT TO CEILING AS POSSIBLE. COORDINATE ACTUAL LOCATION WITH ROLL-UP DOORS AND LIGHT FIXTURES.
- 8 RUN 3/8" LIQUID AND 5/8" SUCTION LINES ON ROOF INTO IT ROOM. RISE LINES UP IN WALL AND CONNECT TO INDOOR UNIT. REFER TO DETAIL CM3.1 FOR TYPICAL INSTALLATION. RUN CONDENSATE DRAIN TO EXTERIOR WALL AND TERMINATE ABOVE LOWER ROOF LEVEL WITH 90 DEGREE ELBOW TURNED DOWN.
- 9 MOUNT OUTDOOR CONDENSING UNIT ON LOWER ROOF WITH PYRAMID TYPE SUPPORTS.
- 10 MOUNT INDOOR FAN COIL UNIT ON WALL ABOVE DOOR. KEEP REFRIGERANT AND CONDENSATE DRAIN LINES AS TIGHT TO CEILING AS POSSIBLE. CONDENSATE PUMP TO BE SUPPLIED WITH UNIT.
- 11 MOUNT CONTROL SWITCHES FOR EF6, EF7 AND EF8 ON WALL. SEE SPECIFICATIONS.
- 12 PROVIDE AND INSTALL UNIT HEATER AS SPECIFIED. MOUNT UNIT AT 17'-0" ABOVE FLOOR. SUPPORT UNIT FROM ROOF STRUCTURE. RISE VENTS UP THRU ROOF WITH CONCENTRIC TYPE FITTING. REFER TO DETAIL KM3.1 FOR TYPICAL INSTALLATION. COORDINATE UNIT LOCATION WITH HIGH FILE STORAGE RACKS.
- 13 PROVIDE AND INSTALL UNIT HEATER AS SPECIFIED. MOUNT UNIT AS HIGH AS POSSIBLE OVER MEZZANINE FLOOR. SUPPORT UNIT FROM ROOF STRUCTURE. RISE VENTS UP THRU ROOF WITH CONCENTRIC TYPE FITTING. REFER TO DETAIL KM3.1 FOR TYPICAL INSTALLATION. COORDINATE UNIT LOCATION WITH SHELVING AND LIGHT FIXTURES. MOUNT TEMPERATURE SENSOR ON UNIT.
- 14 PROVIDE AND INSTALL RELIEF AIR PENTHOUSE ON ROOF. REFER TO DETAIL BM3.1 FOR MOUNTING ON ROOF. DROP 3/4" DUCT DOWN TO 6" BELOW ROOF DECK. PROVIDE MOTORIZED DAMPER IN DUCT AND INTERLOCK WITH CORRESPONDING EVAPORATIVE COOLER(S) AS SHOWN.
- 15 UNIT HEATER PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PLUMBING CONTRACTOR TO ROUGH-IN AND CONNECT 3/4" GAS LINE WITH PRESSURE REGULATOR, SHUT-OFF VALVE, AND FLEXIBLE HOSE. REFER TO DETAIL AP2.2 FOR TYPICAL PIPING CONNECTIONS.
- 16 PLUMBING CONTRACTOR TO RISE 3/4" COLD WATER LINE UP THRU ROOF AND CONNECT TO EVAPORATIVE COOLER. GRADE WATER LINE AT 1/8" SLOP PER FOOT AWAY FROM EVAPORATIVE COOLERS. DROP 1" DRAIN LINE FROM UNIT DOWN THRU ROOF AND RUN THRU ROOF JOIST SPACE AS SHOWN. GRADE DRAIN LINE AT 1/4" PER FOOT IN DIRECTION OF FLOW, BACK TO FLOOR SINK AS SHOWN.
- 17 PROVIDE AND INSTALL ROOF DRAIN AND OVERFLOW DRAIN AS SPECIFIED. CONNECT 4" DRAIN LINE TO EACH AND RUN THRU JOIST SPACE AS SHOWN. GRADE ROOF DRAIN AND OVERFLOW DRAIN LINES AT 1/8" SLOPE PER FOOT IN DIRECTION OF FLOW. KEEP PIPING AS HIGH AS POSSIBLE.

KEY PLAN



GENERAL NOTES:

- A. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C. IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D. CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- E. DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.
- F. ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS.

Engineered Systems Associates
 1355 EAST CENTER
 POCAATELLO, IDAHO 83201
 PHONE: (208) 233-0501
 FAX: (208) 233-0529
 EMAIL: esa@engsyslemis.com
 ESA JOB NUMBER: 19035

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 DRAWN BY: M. Jensen
 CHECKED BY: D. Sudweeks

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nbw architects p.a.
 ARCHITECTURE / PLANNING / INTERIORS
 SCOTT L NELSON A.I.A. KEVIN R BODILY A.I.A. JAMES H WYATT A.I.A.
 990 JOHN ANDERSON PARKWAY P.O. BOX 2212 - IDAHO FALLS, IDAHO 83402-2212
 (208) 208-5322 (208) 208-5322 (208) 208-5322

A NEW BUILDING FOR:
KENWORTH SALES COMPANY INC.
 1750 SOUTH 1350 WEST
 NEW HAVEN, UTAH

PROJECT:
 REVISIONS

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