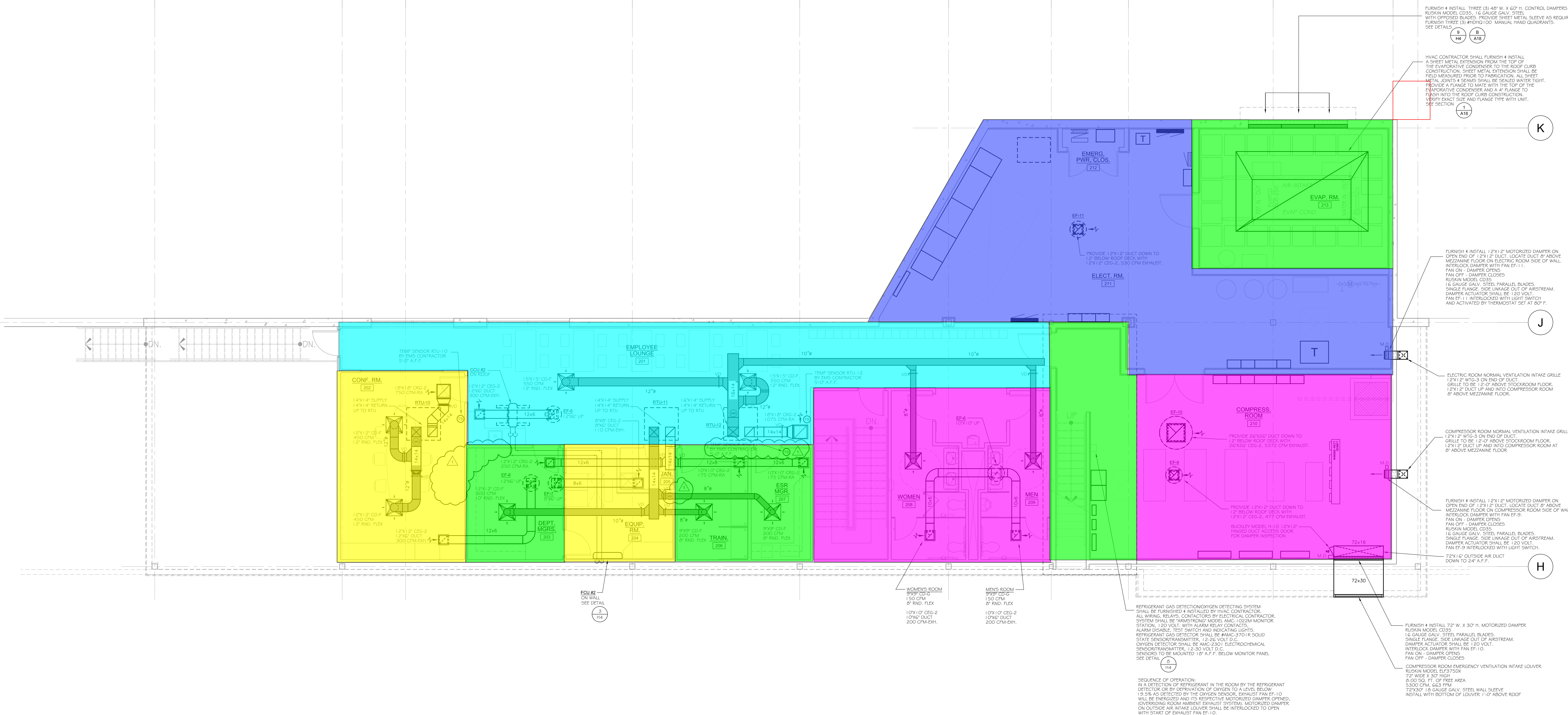


2.2 2.7 3 3.5 4 4.4 4.7 5 5.5 5.9 6



FURNISH # INSTALL THREE (3) 48" W. X 60" H. CONTROL DAMPERS
RUSKIN MODEL CD35, 1/2 GAUGE GALV. STEEL
WITH OFFSET BLADES PROVIDE SHEET METAL SLEEVE AS REQUIRED.
FURNISH THREE (3) #10(10) O.D. MANUAL HAND QUADRANTS
SEE DETAIL

HVAC CONTRACTOR SHALL FURNISH # INSTALL
A SHEET METAL EXTENSION FROM THE TOP OF
THE EXHAUSTIVE CONDENSER TO THE ROOF CURB
CONSTRUCTION. SHEET METAL EXTENSION SHALL BE
FIELD MARKED FROM TO FABRICATION. ALL SHEET
METAL JOINTS & SEAMS SHALL BE SEALED WATER TIGHT.
FURNISH A FLANGE TO MATE WITH THE TOP OF THE
EXHAUSTIVE CONDENSER AND A 4" FLANGE TO
PUSH INTO THE ROOF CURB CONSTRUCTION.
VERIFY EXACT SIZE AND FLANGE TYPE WITH UNIT.
SEE SECTION

FURNISH # INSTALL 1 2'X1 2" MOTORIZED DAMPER ON
OPEN END OF 12'X1 2" DUCT. LOCATE DUCT 8" ABOVE
MEZZANINE FLOOR ON ELECTRIC ROOM SIDE OF WALL.
INTERLOCK DAMPER WITH FAN EF-11.
FAN ON - DAMPER OPENS
FAN OFF - DAMPER CLOSES
RUSKIN MODEL CD35
1/2 GAUGE GALV. STEEL PARALLEL BLADES
SINGLE FLANGE, SIDE LINKAGE OUT OF AIRSTREAM.
DAMPER ACTUATOR SHALL BE 120 VOLT
FAN EF-11 INTERLOCKED WITH LIGHT SWITCH
AND ACTIVATED BY THERMOSTAT SET AT 80° F.

ELECTRIC ROOM NORMAL VENTILATION INTAKE GRILLE
12'X1 2" WTG-3 ON END OF DUCT
GRILLE TO BE 12" ABOVE STOCKROOM FLOOR.
12'X1 2" DUCT UP AND INTO COMPRESSOR ROOM
8" ABOVE MEZZANINE FLOOR.

COMPRESSOR ROOM NORMAL VENTILATION INTAKE GRILLE
12'X1 2" WTG-3 ON END OF DUCT
GRILLE TO BE 12" ABOVE STOCKROOM FLOOR.
12'X1 2" DUCT UP AND INTO COMPRESSOR ROOM AT
8" ABOVE MEZZANINE FLOOR.

FURNISH # INSTALL 1 2'X1 2" MOTORIZED DAMPER ON
OPEN END OF 12'X1 2" DUCT. LOCATE DUCT 8" ABOVE
MEZZANINE FLOOR ON COMPRESSOR ROOM SIDE OF WALL.
INTERLOCK DAMPER WITH FAN EF-9.
FAN ON - DAMPER OPENS
FAN OFF - DAMPER CLOSES
RUSKIN MODEL CD35
1/2 GAUGE GALV. STEEL PARALLEL BLADES
SINGLE FLANGE, SIDE LINKAGE OUT OF AIRSTREAM.
DAMPER ACTUATOR SHALL BE 120 VOLT
FAN EF-9 INTERLOCKED WITH LIGHT SWITCH.

FURNISH # INSTALL 72" W. X 30" H. MOTORIZED DAMPER
RUSKIN MODEL CD35
1/2 GAUGE GALV. STEEL PARALLEL BLADES
SINGLE FLANGE, SIDE LINKAGE OUT OF AIRSTREAM.
DAMPER ACTUATOR SHALL BE 120 VOLT.
INTERLOCK DAMPER WITH FAN EF-10.
FAN ON - DAMPER OPENS
FAN OFF - DAMPER CLOSES

COMPRESSOR ROOM EMERGENCY VENTILATION INTAKE LOUVER
RUSKIN MODEL ELS7504
72" WIDE X 30" HIGH
6,000 SQ. FT. OF FREE AREA
5300 CFM, G63 FPM
72"X30" 1/2 GAUGE GALV. STEEL WALL SLEEVE
INSTALL WITH BOTTOM OF LOUVER 1'-0" ABOVE ROOF

REFRIGERANT GAS DETECTION/OXYGEN DETECTING SYSTEM
SHALL BE FURNISHED & INSTALLED BY HVAC CONTRACTOR.
ALL WIRING, RELAYS, CONTACTORS BY ELECTRICAL CONTRACTOR.
SYSTEM SHALL BE WANDERING MODEL AMC-1026N MONITOR
STATION, 120 VOLT, WITH ALARM RELAY CONTACTS.
ALARM SIGNAL, TEST SWITCH AND INDICATING LIGHTS.
REFRIGERANT GAS DETECTOR SHALL BE AMC-3701 R SOLID
STATE SENSOR/TRANSMITTER, 12-24 VOLT D.C.
OXYGEN DETECTOR SHALL BE AMC-2301 ELECTROCHEMICAL
SENSOR/TRANSMITTER, 12-30 VOLT D.C.
SENSORS TO BE MOUNTED 18" A.F.F., BELOW MONITOR PANEL.
SEE DETAIL

SEQUENCE OF OPERATION:
IN A DETECTION OF REFRIGERANT IN THE ROOM BY THE REFRIGERANT
DETECTOR OR BY DEPRIVATION OF OXYGEN TO A LEVEL BELOW
19.5% AS DETECTED BY THE OXYGEN SENSOR, EXHAUST FAN EF-10
WILL BE INITIATED AND ITS RESPECTIVE MOTORIZED DAMPER OPENED.
OVERRIDING ROOM AMBIENT EXHAUST SYSTEM, MOTORIZED DAMPER
ON OUTSIDE AIR INTAKE LOUVER SHALL BE INTERLOCKED TO OPEN
WITH START OF EXHAUST FAN EF-10.

MEZZANINE PLAN - HVAC
REFERENCE NORTH
SCALE: 1/4" = 1'-0"

HVAC Drawings Index
H1 HVAC Main Level Floor Plan
H2 HVAC Mezzanine Floor Plan
H3 HVAC Schedule
H4 HVAC Details
H5 HVAC Details

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sheet title:
HVAC
MEZZANINE
FLOOR PLAN

sheet number:
H2

project number:
1010