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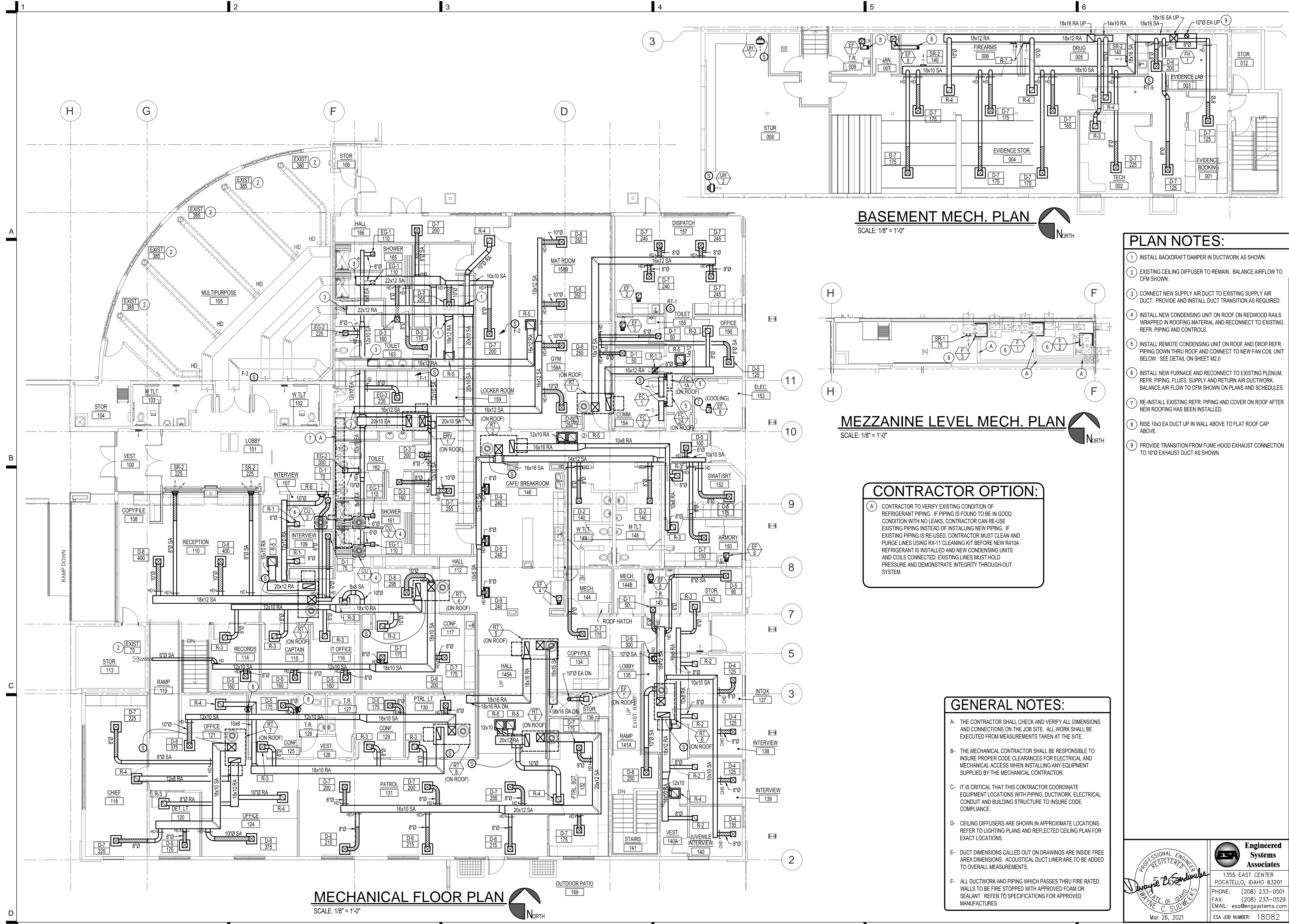
JOB NO.: 18040.01
DATE: 03/26/21
DRAWN BY: SR
CHECKED BY: DCS

PHASE: PERMIT DWGS.

MECHANICAL
FLOOR
PLANS

SHEET NO.

M1.1



BASEMENT MECH. PLAN
SCALE: 1/8" = 1'-0"
North

MEZZANINE LEVEL MECH. PLAN
SCALE: 1/8" = 1'-0"
North

CONTRACTOR OPTION:
A CONTRACTOR TO VERIFY EXISTING CONDITION OF REFRIGERANT PIPING. IF PIPING IS FOUND TO BE IN GOOD CONDITION WITH NO LEAKS, CONTRACTOR CAN RE-USE EXISTING PIPING INSTEAD OF INSTALLING NEW PIPING. IF EXISTING PIPING IS RE-USED, CONTRACTOR MUST CLEAN AND PURGE LINES USING RX-11 CLEANING KIT BEFORE NEW R410A REFRIGERANT IS INSTALLED AND NEW CONDENSING UNITS AND COILS CONNECTED. EXISTING LINES MUST HOLD PRESSURE AND DEMONSTRATE INTEGRITY THROUGH-OUT SYSTEM.

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 MANUFACTURES.

- PLAN NOTES:**
- INSTALL BACKDRAFT DAMPER IN DUCTWORK AS SHOWN.
 - EXISTING CEILING DIFFUSER TO REMAIN. BALANCE AIRFLOW TO CFM SHOWN.
 - CONNECT NEW SUPPLY AIR DUCT TO EXISTING SUPPLY AIR DUCT. PROVIDE AND INSTALL DUCT TRANSITION AS REQUIRED.
 - INSTALL NEW CONDENSING UNIT ON ROOF ON REDWOOD RAILS WRAPPED IN ROOFING MATERIAL AND RECONNECT TO EXISTING REFR. PIPING AND CONTROLS.
 - INSTALL REMOTE CONDENSING UNIT ON ROOF AND DROP REFR. PIPING DOWN THRU ROOF AND CONNECT TO NEW FAN COIL UNIT BELOW. SEE DETAIL ON SHEET M2.0
 - INSTALL NEW FURNACE AND RECONNECT TO EXISTING PLENUM. REFR. PIPING, FLUES, SUPPLY AND RETURN AIR DUCTWORK. BALANCE AIR FLOW TO CFM SHOWN ON PLANS AND SCHEDULES.
 - RE-INSTALL EXISTING REFR. PIPING AND COVER ON ROOF AFTER NEW ROOFING HAS BEEN INSTALLED.
 - RISE 10x3 EA DUCT UP IN WALL ABOVE TO FLAT ROOF CAP ABOVE.
 - PROVIDE TRANSITION FROM FUME HOOD EXHAUST CONNECTION TO 10"Ø EXHAUST DUCT AS SHOWN.

MECHANICAL FLOOR PLAN
SCALE: 1/8" = 1'-0"
North

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