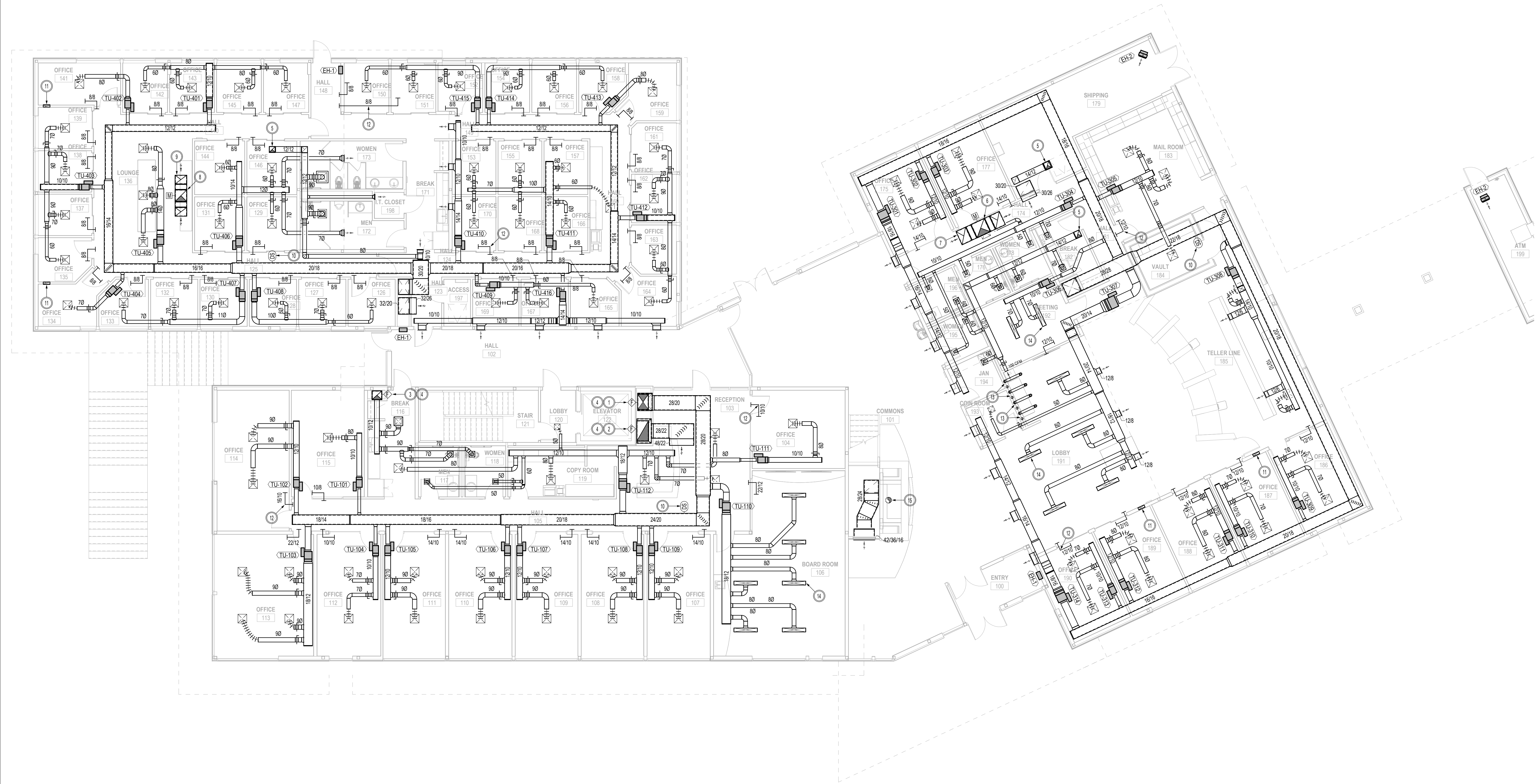




MAIN LEVEL HVAC DUCT PLAN



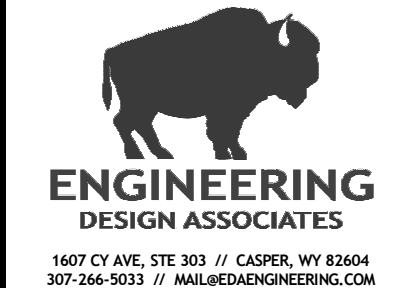
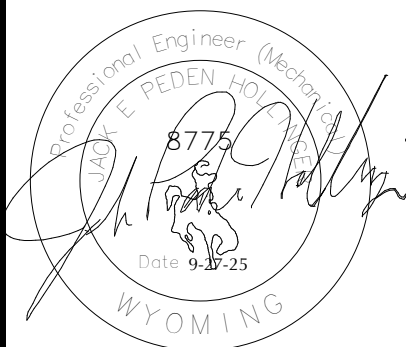
1/8" = 1'-0" 01

GENERAL NOTES

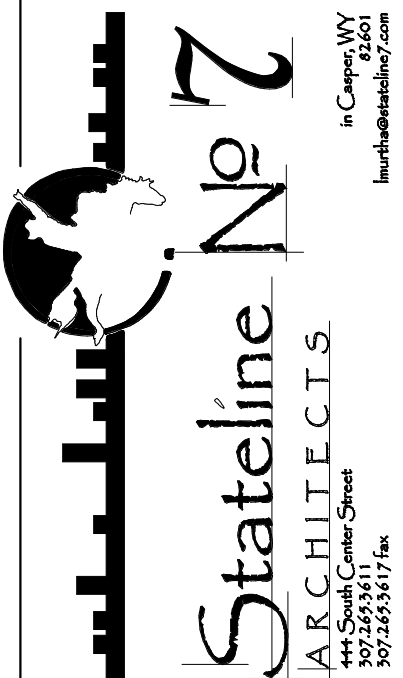
- A. INSTALL ALL DUCTWORK TIGHT TO OR WITHIN STRUCTURE ABOVE UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER TRADES PRIOR TO FABRICATION OF MATERIALS. PLAN OFFSETS AND TRANSITIONS AS REGD TO AVOID CONFLICTS WITH STRUCTURE.
- B. EXPOSED DUCTWORK SHALL UTILIZE FLANGED CONSTRUCTION. FABRICATE RADIUS ELBOWS WHERE SPACE PERMITS. MITERED ELBOWS WITH TURNING VANES MAY BE USED OTHERWISE.
- C. SEAL PENETRATIONS THRU RATED CONSTRUCTION WITH A FIRE SAFE MATERIAL. SEAL ALL OTHERS WITH AN ACOUSTIC CHALK. SEE ARCHITECT FOR CLASSIFICATIONS. PROVIDE TRIM RINGS AT EXPOSED LOCATIONS.

KEY NOTES

- 1. EXTEND 3428 LINED SUPPLY AIR DUCT UP FROM BELOW. INSTALL 45-DEG BRANCH TAKE-OFF AT THIS LEVEL. EXTEND 3000 LINED DUCT UP.
- 2. EXTEND 4802 LINED RETURN AIR DUCT UP FROM BELOW. INSTALL 45-DEG BRANCH TAKE-OFF AT THIS LEVEL. EXTEND 4022 LINED DUCT UP.
- 3. EXTEND 1414 LINED EXHAUST AIR DUCT UP FROM BELOW. INSTALL 45-DEG BRANCH TAKE-OFF AT THIS LEVEL. EXTEND 1816 LINED DUCT UP.
- 4. INSTALL AIRFOIL BLADE TYPE FIRE DAMPERS IN AIR DUCTS AT THE FLOOR LEVEL. VERIFY DUCT DIMENSIONS IN THE FIELD. INSTALL ACCESS DOOR FOR EACH DAMPER SECTION. COORDINATE WITH THE GC.
- 5. INSTALL LINED EXHAUST DUCT UP THRU THE ROOF TO THE FAN ABOVE. TRANSITION DUCT TO THE CURB. MOUNT BACK DRAFT DAMPER AND SEAL AIRTIGHT. WRAP WITH INSULATION.
- 6. INSTALL 2828 LINED RELIEF AIR DUCT UP THRU THE ROOF. TRANSITION TO RELIEF FAN WITHIN THE CURB. INSTALL CONTROL DAMPER AND SEAL AIRTIGHT. WRAP WITH INSULATION.
- 7. EXTEND 2828 LINED RELIEF DUCT TWO DIRECTIONS HIGH-UP AT OR WITHIN STRUCTURE. ELBOW UP FULL SIZE AT EACH END WITH 12-IN MIN CLEARANCE ABOVE.
- 8. INSTALL 2222 LINED RELIEF AIR DUCT UP THRU THE ROOF. TRANSITION TO RELIEF FAN WITHIN THE CURB. INSTALL CONTROL DAMPER AND SEAL AIRTIGHT. WRAP WITH INSULATION.
- 9. EXTEND 2216 LINED RELIEF DUCT TWO DIRECTIONS HIGH-UP AT OR WITHIN STRUCTURE. ELBOW UP FULL SIZE AT EACH END WITH 12-IN MIN CLEARANCE ABOVE.
- 10. FIELD LOCATE DUCT STATIC PRESSURE SENSOR. TAB CONTRACTOR TO OPTIMIZE SET POINT FOR THIS BLDG AND COORDINATE WITH THE BAS.
- 11. INSTALL 144 TRANSFER DUCT UP FROM THE CRAWLSPACE BELOW WITHIN WALL CAVITY. DUCT IS OPEN TO THE CEILING PLENUM.
- 12. INSTALL LINED TRANSFER DUCTS WITH TURNED UP ELBOWS AS DETAILED. LOCATE WITH OPEN ENDS WITHIN STRUCTURE OR SLIGHTLY BELOW. (TYPICAL)
- 13. INSTALL BOILER VENTS AND COMBUSTION UP FROM BELOW WITHIN WALL FRAMING. OFFSET AND EXTEND UP THRU THE ROOF PER MFG.
- 14. INSTALL EXTENDED OR FIELD FABRICATED LINED BOOT PLENUM FOR SLOT DIFFUSERS. COORDINATE THE INSTALLATION WITH THE GC.
- 15. INSTALL 10-IN DOUBLE-WALL B-VENT CHIMNEY SYSTEM PER MFG'S INSTRUCTIONS. INCLUDE ANCHOR PLATE WITH DAMPER AND ALL SUPPORTS.



TRONA VALLEY FEDERAL CREDIT UNION
1700 GATEWAY BLVD
ROCK SPRING, WY 82901



PROJECT
24112

DATE
09-27-2025

DRAWN BY
GMH

DISK ID.

SHEET
MAIN LEVEL
HVAC DUCT

SHEET

15.51