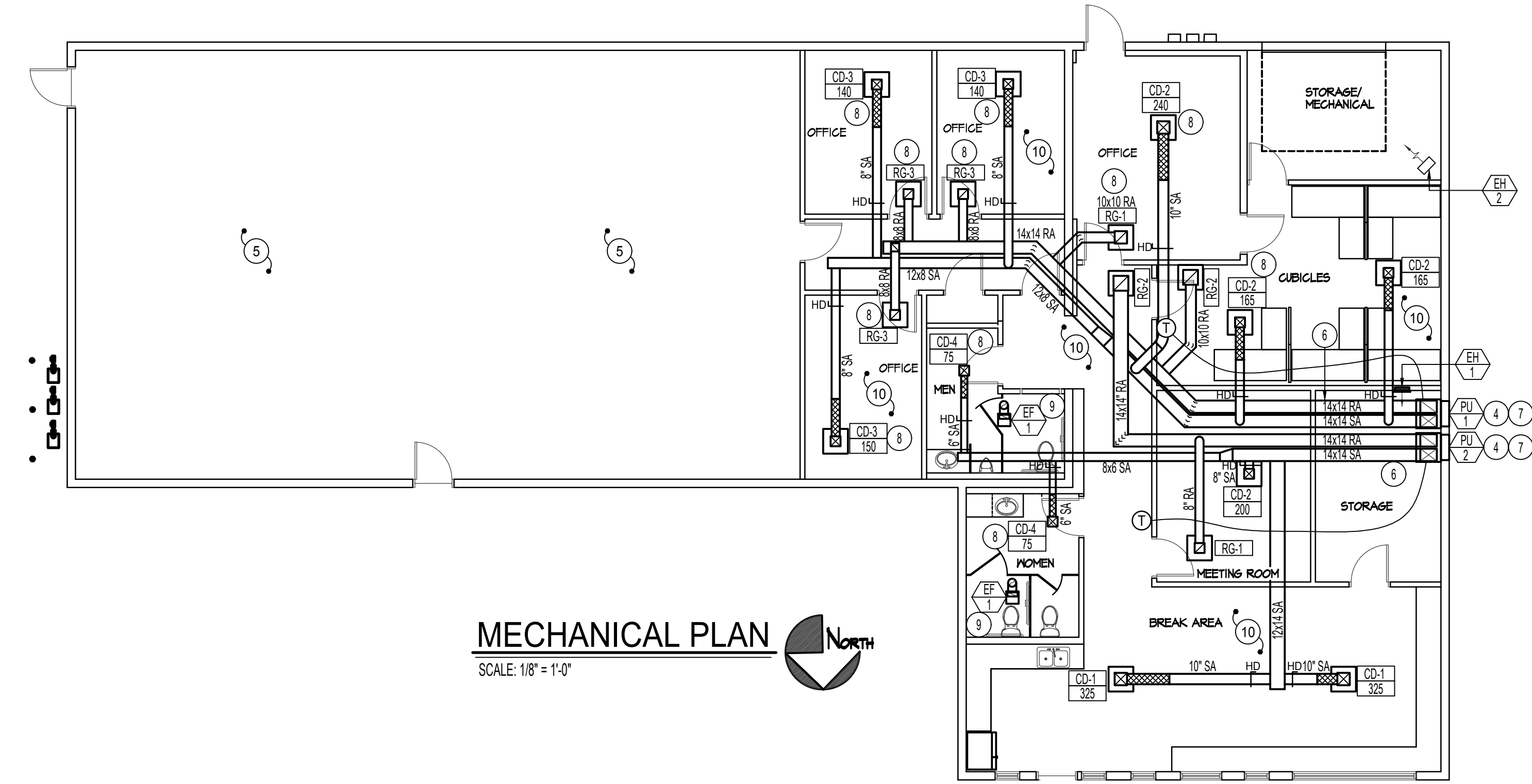


MECHANICAL DEMO PLAN
SCALE: 1/8" = 1'-0"



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

MECHANICAL NOTES:

- 1 EXISTING FURNACE TO BE REMOVED AND DISPOSED OF. REMOVE CORRESPONDING REFRIGERANT LINES AND EXISTING ROOF TOP CONDENSING UNIT. PATCH PENETRATION THROUGH ROOF AS REQUIRED. REMOVE CONNECTED CONDENSATE PUMP AND LINE AS REQUIRED. EXISTING GAS LINES TO BE ROUTED TO NEW PACKAGED UNIT.
- 2 REMOVE ALL EXISTING SUPPLY & RETURN DUCTWORK ALONG WITH ALL CORRESPONDING DIFFUSERS/GRILLES. FIELD VERIFY ALL DUCTWORK WITHIN CONSTRUCTION AREA DURING PRE-BID. EXISTING EXHAUST FANS AND DUCTWORK TO ROOF CAP TO BE REMOVED AND REPLACED WITH NEW.
- 3 REMOVE EXISTING THERMOSTATS AND LOW VOLTAGE WIRING TO MAKE WAY FOR NEW CONTROLS.
- 4 PROVIDE PENETRATION THROUGH BUILDING IN AREA AS SHOWN WITH LINTEL. PENETRATION TO MATCH SIZE REQUIRED BY NEW FULLY ENCLOSED PACKAGE UNIT. SEE MANUFACTURER RECOMMENDATIONS. INSTALL NEW OPTIONAL FACTORY LOUVER AFTER WORK IS COMPLETE.
- 5 NO WORK TO BE DONE IN THIS AREA. PROTECT DURING CONSTRUCTION.
- 6 RUN NEW DUCTWORK AS HIGH AS POSSIBLE & ALONG ROOF PITCH INTO ATTIC SPACE. ALL DUCTWORK IN ATTIC SPACE TO BE LINED OR WRAPPED. SEE SPECIFICATIONS. FIELD VERIFY EXISTING ATTIC CONDITIONS AND BEST POSSIBLE ROUTE FOR NEW DUCTWORK.
- 7 EXTEND EXISTING 3/4" 1/2 PSI GAS LINES FROM EXISTING FURNACES TO NEW PACKAGED UNIT. FIELD VERIFY EXISTING GAS LINES SIZE AND ROUTES.
- 8 MIN QTY (2) 90° DUCT ELBOWS BETWEEN EACH SUPPLY/GRILLE FOR SOUND ISOLATION.
- 9 INSTALL NEW CEILING EXHAUST FAN. CONNECT TO EXISTING EXHAUST VENT THRU ROOF.
- 10 INSTALL HAND DAMPERS IN ACCESSIBLE CEILING SPACE. HAND DAMPER LOCATIONS SHOWN ON PLANS FOR CLARIFY. FIELD VERIFY BEST POSSIBLE LOCATION.

GENERAL NOTES:

- A- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS PRIOR TO BID 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.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
(T)	ELECTRONIC THERMOSTAT
(FC)	EQUIPMENT SYMBOL
(HD)	HAND DAMPER
(RBD)	ROUND BRANCH DUCT WITH HAND DAMPER
(IFD)	INSULATED FLEXIBLE DUCT
(RA)	RETURN AIR OR EXHAUST GRILLE
(CD)	CEILING DIFFUSER

PROFESSIONAL ENGINEER
REGISTERED
STATE OF IDAHO
DWAYNE C. SUDDWEKS
No. 5782
Exp. 12/31/2021

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SHEET CONTENTS

MECHANICAL PLAN

REVISIONS	NO.	DATE	DESCRIPTION

SHEET NUMBER
MP-1 OF 3