



HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED BY MY OFFICE AND UNDER MY SUPERVISION AND THAT TO THE BEST OF MY KNOWLEDGE, THE SAME COMPLY WITH ALL LAWS, RULES, REGULATIONS AND ORDINANCES OF PORTLAND, ME RELATING TO STRUCTURES AND BUILDINGS.

ISSUE TYPE:
100% CD CHECKSET 5/20/16
PERMIT / BID
LL APPROVAL

DRAWN BY: DG
A&E JOB NO.: 16-5433

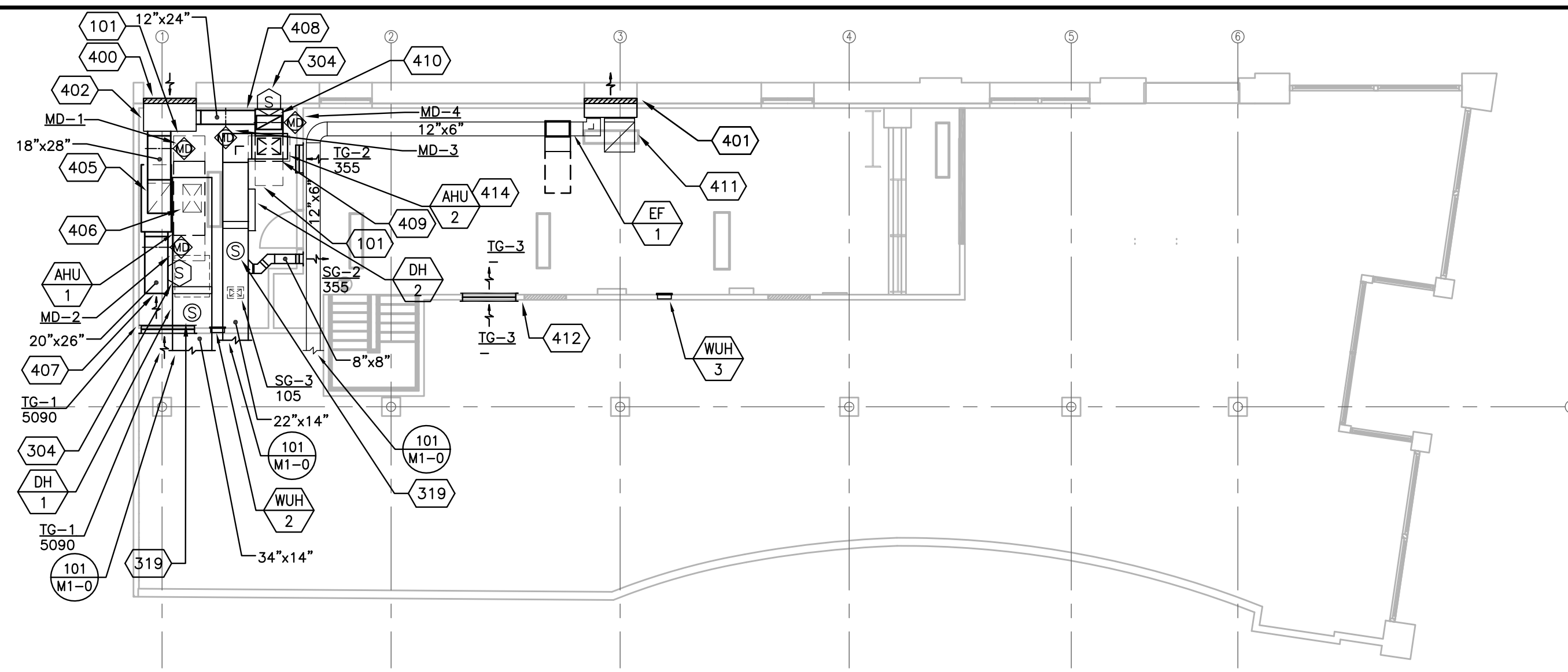
SHEET TITLE:
MECHANICAL FLOOR PLAN

SHEET NUMBER:

M1-0

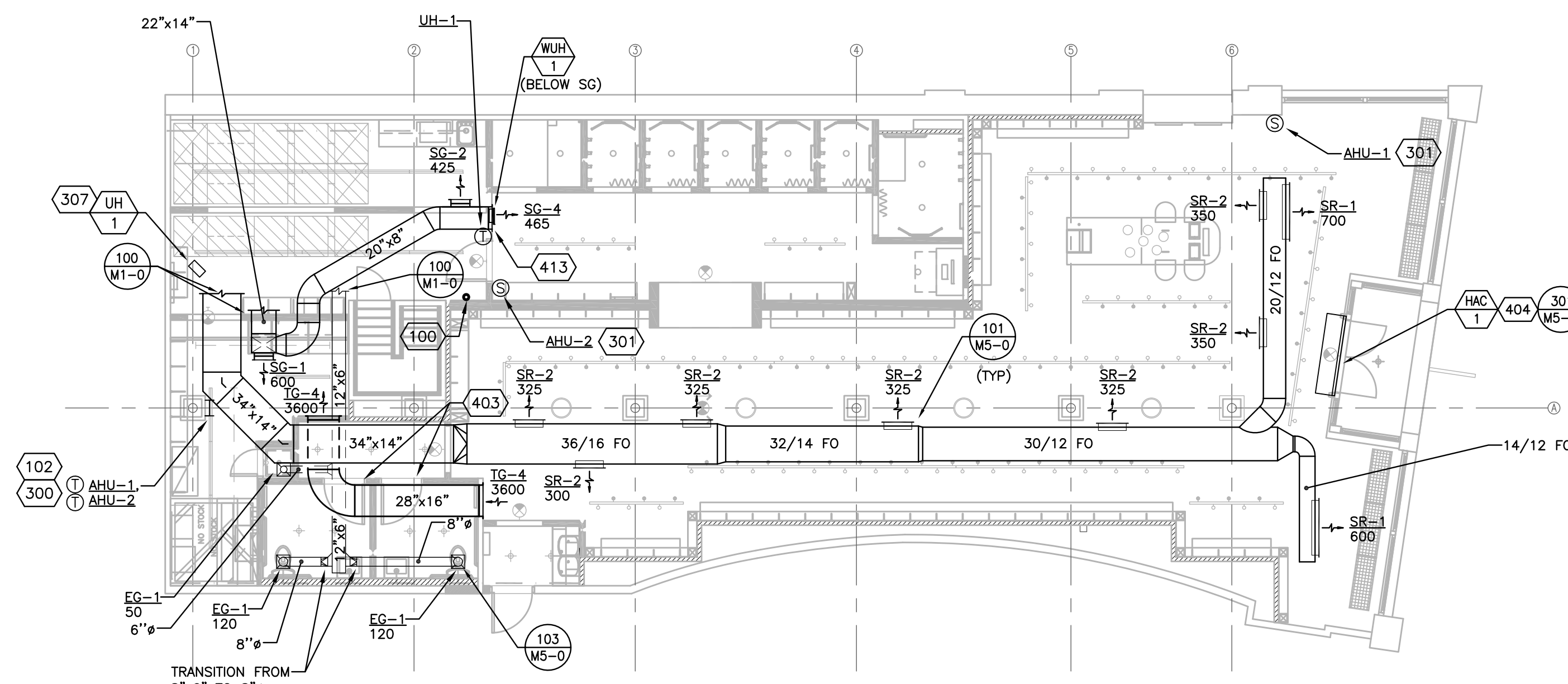
HVAC CODED NOTES

- 100 PLACE AS-BUILT MECHANICAL DRAWINGS IN DRAWING TUBE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 102 DASHED LINE AROUND HVAC EQUIPMENT REPRESENTS MANUFACTURERS RECOMMENDED CLEARANCES, TYPICAL.
- 102 CONTRACTOR TO PROGRAM HVAC EQUIPMENT THERMOSTAT, INITIAL OPERATION HOURS AND TEMPERATURE SET POINTS. ADJUST OPERATIONAL HOURS WHEN OBTAINED BY GENERAL CONTRACTOR.
- 300 TCS BASYS SZ1033 PROGRAMMABLE THERMOSTAT. THE MOUNTING HEIGHT SHALL BE 48" A.F.F. CONFIRM EXACT LOCATION WITH G.C. PRIOR TO ROUGH-IN. SPACE T-STATS APART SUCH THAT SCREWS AND COVERS CAN BE REMOVED.
- 301 TCS BASYS TS3001 REMOTE TEMPERATURE SENSOR. THE MOUNTING HEIGHT SHALL BE 48" A.F.F. CENTERED ON COLUMN. CONFIRM EXACT LOCATION WITH G.C. PRIOR TO ROUGH-IN. INSTALL CONTROL WIRING IN CONDUIT. ATTACH SENSOR TO ROUGHED-IN ELECTRICAL J-BOX.
- 304 SYSTEM SENSOR MODEL D4120 DUCT MOUNTED SMOKE DETECTOR. WIRE THE NORMALLY CLOSED CONTACT ON THE SMOKE DETECTOR TO SHUT DOWN THE HVAC UNIT UPON SENSING SMOKE. SMOKE DETECTOR MUST BE INSTALLED IN AN ACCESSIBLE LOCATION IN RETURN DUCT (AND/OR SUPPLY DUCT WHEN REQUIRED BY CODE). INSTALL REMOTE TEST/RESET STATION, SYSTEM SENSOR MODEL RTS151KEY, AS REQUIRED. COORDINATE LOCATION OF TEST STATION WITH G.C.
- 307 HORIZONTAL PROJECTION UNIT HEATER (UH-1). SUSPEND UNIT HEATER FROM THE STRUCTURE WITH BOTTOM OF UNIT HEATER AT 12'-0" A.F.F. COORDINATE EXACT LOCATION WITH G.C.'S CONSTRUCTION MANAGER AND PROVIDE ACCESS FOR SERVICE.
- 319 TCS BASYS TS1002 DISCHARGE AIR TEMPERATURE SENSOR. INSTALL IN AN ACCESSIBLE LOCATION IN SUPPLY AIR DUCT DROP. INSTALL CONTROL WIRING IN CONDUIT.
- 400 PROVIDE OUTSIDE AIR LOUVER IN PLACE OF EXISTING WINDOW SASH. CAREFULLY RETAIN ALL EXISTING WINDOW COMPONENTS AND KEEP ON SITE FOR POTENTIAL REPLACEMENT IN THE FUTURE.
- 401 PROVIDE EXHAUST/RELIEF AIR LOUVER IN PLACE EXISTING WINDOW SASH. CAREFULLY RETAIN ALL EXISTING WINDOW COMPONENTS AND KEEP ON SITE FOR POTENTIAL REPLACEMENT IN THE FUTURE.
- 402 ALL OUTSIDE AIR DUCTWORK SHALL BE INSULATED.
- 403 UNDER CUT DOOR 1" TO ALLOW FOR AIR FLOW.
- 404 CONTRACTOR SHALL COORDINATE WITH MANUFACTURER TO PROVIDE NEW AIR CURTAIN HEATER IN PEARL WHITE COLOR FINISH, COORDINATE WITH ARCHITECTURAL DRAWINGS, BOTTOM OF UNIT SHALL BE MOUNTED 10'-0" A.F.F.
- 405 18"x28" INSULATED OA DUCT DOWN TO AHU-1 RETURN.
- 406 16"x24" SUPPLY DUCT DOWN FROM 34"x14" DUCT DOWN TO AHU-1.
- 407 20"x26" RETURN DUCT OPENING, PROVIDE 1/2"x1/2" WIRE MESH SCREEN.
- 408 12"x24" INSULATED OA DUCT TO AHU-2 RETURN BOX
- 409 20"x14" SUPPLY DUCT DOWN FROM 22"x14" DUCT DOWN TO AHU-2.
- 410 22"x16" RETURN DUCT UP FROM RETURN BOX, PROVIDE OPENING 12" ABOVE DAMPER WITH 1/2"x1/2" WIRE MESH SCREEN
- 411 PROVIDE 26"x26" RELIEF AIR DUCT TURNED UP WITH BAROMETRIC RELIEF DAMPER, PROVIDE 1/2"x1/2" WIRE MESH SCREEN, TERMINATE A MINIMUM OF 12" BELOW CEILING
- 412 PROVIDE TRANSFER GRILLE ON BOTH SIDES OF WALL FOR BAROMETRIC RELIEF PATH.
- 413 DIRECT BLADES OF SUPPLY GRILLE AT UPWARD ANGLE.
- 414 PROVIDE 24"x14" RETURN AIR PLENUM BOX UNDER AHU-2 WITH APPROPRIATE SUPPORTS REQUIRED FOR VERTICAL INSTALLATION.



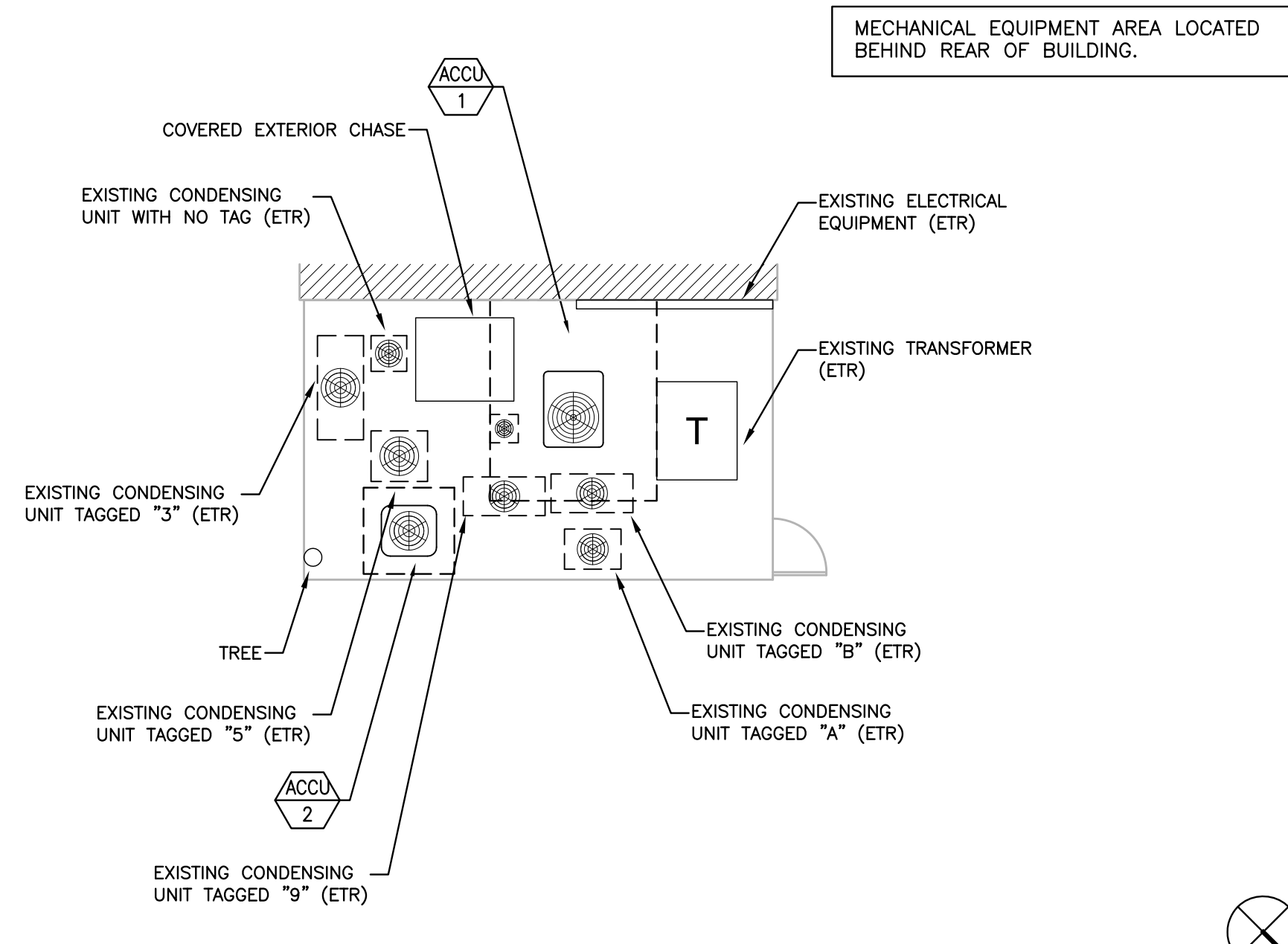
MECHANICAL FLOOR PLAN - MEZZANINE

1/8" = 1'-0"
100



MECHANICAL FLOOR PLAN - GROUND FLOOR

1/8" = 1'-0"
101



EXTERIOR MECHANICAL EQUIPMENT AREA

1/8" = 1'-0"
102

NOTE TO CONTRACTOR:
SEE M0-1 IN THIS SET FOR RESPONSIBILITY MATRIX ITEMS AND REFER TO SPECIFICATION BOOK FOR GENERAL NOTES.

CHANGES TO THE DESIGN OF ANY SYSTEM IDENTIFIED ON THESE DRAWINGS OR SPECIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO THE FABRICATION AND INSTALLATION. ANY MODIFICATIONS WITHOUT THE ORIGINATING ENGINEER'S WRITTEN AUTHORIZATION AND APPROVAL SHALL BE THE RESPONSIBILITY, AS WELL AS THE COST TO CORRECT SUCH MODIFICATION, OF THE CONTRACTOR.

SURVEY INFORMATION

SPACE IS LOCATED ON LEVEL:..... 1ST FLOOR
 FINISHED FLOOR TO BOTTOM OF DECK ABOVE IS APPROX..... 15'-9"
 FINISHED FLOOR TO BOTTOM OF PROPOSED AHU-1 SUPPLY DUCTWORK IN SALES AREA.....13'-5"
 FINISHED FLOOR TO BOTTOM OF PROPOSED AHU-2 SUPPLY DUCTWORK IN STOCKROOM AREA.....13'-5"

ALL OTHER EQUIPMENT, PIPING, AND DUCTWORK ELEVATIONS ARE AS NOTED ON THE DRAWINGS.

NOTE: CONTRACTOR IS TO VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO BIDDING WORK. ANY CONDITIONS THAT AFFECT THE INSTALLATION OF THIS PROJECT MUST IMMEDIATELY BE BROUGHT TO THE ATTENTION OF G.C.'S CONSTRUCTION MANAGER OR BE INCORPORATED IN THE BID. DUCTWORK SHALL NOT BE FABRICATED OR ANY EQUIPMENT ORDERED PRIOR TO APPROVAL BY G.C.'S CONSTRUCTION MANAGER. NEW DUCTWORK TO BE AS HIGH AS POSSIBLE. CONTRACTOR SHALL FIELD VERIFY AND RAISE DUCTWORK AS NEEDED TO AVOID INTERFERING WITH NEW ARCHITECTURAL ITEMS/LIGHTS, CONTRACTOR SHALL PROVIDE OFFSETS AS NEEDED PER ACTUAL FIELD CONDITIONS AS NEEDED TO ACHIEVE INSTALLATION.