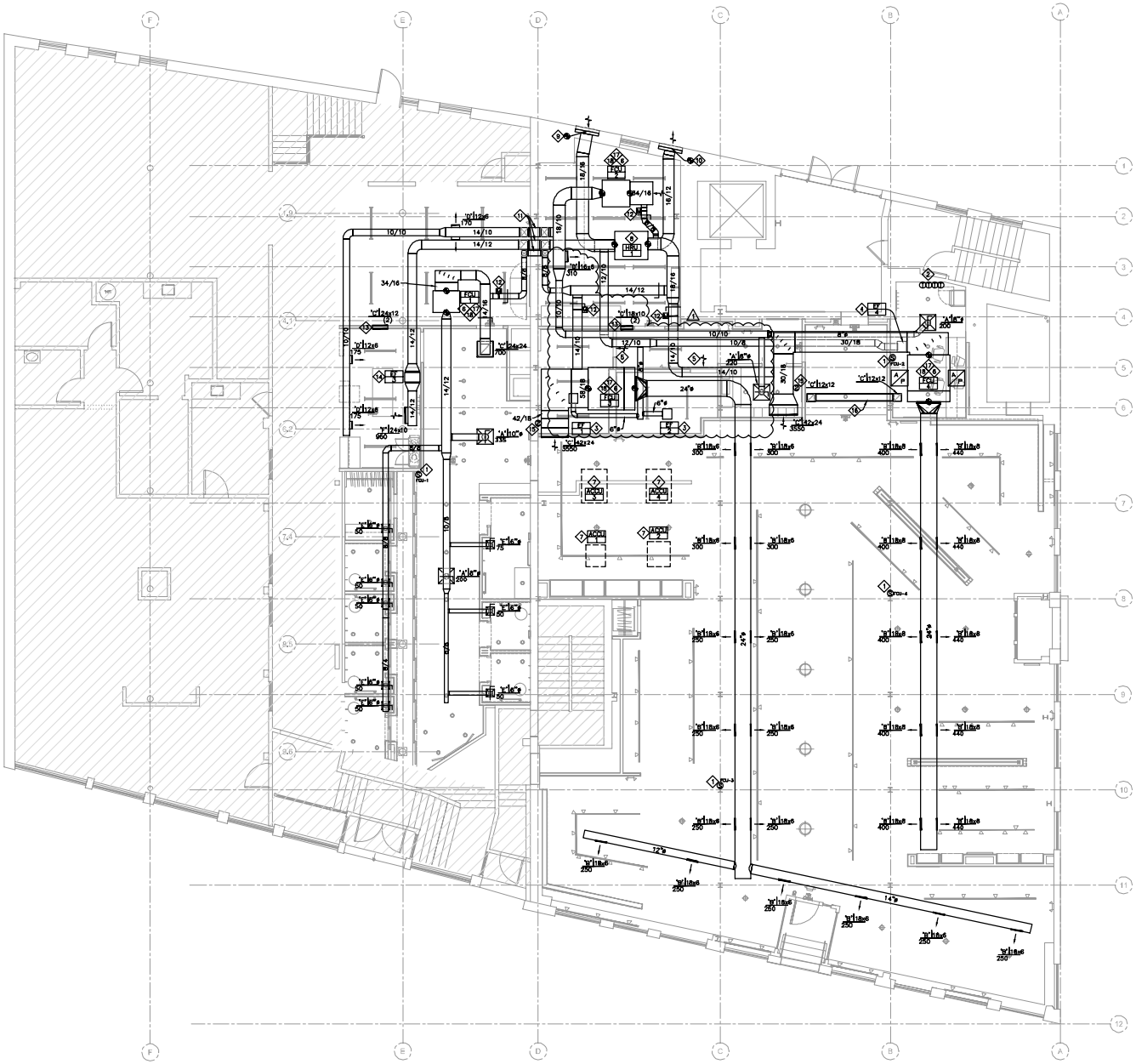

1 **MECHANICAL PLAN**
3/16" = 1'-0"

GENERAL NOTES

A. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.

B. COORDINATE WITH THE WORK OF OTHER SECTIONS. EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.

C. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.

D. ALL WORK SHALL COMPLY WITH PROVINCIAL AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.

E. REFER TO ARCHITECTURAL PLANS FOR THE REFLECTED CEILING PLAN AND FIRE RATING NOTES.

F. THE DUCTWORK SHALL BE SUPPORTED BY AIRCRAFT CABLE OR STRAP HANGERS AROUND DUCTWORK PER SCHEDULE ON SHEET M200. DO NOT SUPPORT DUCTWORK FROM ROOF DECK.

G. THE MECHANICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO STARTING WORK AND ADJUST DUCTWORK, ETC. TO CORRESPOND TO THE EXISTING CONDITION REQUIREMENTS.

H. MECHANICAL CONTRACTOR TO MAINTAIN 10 FEET BETWEEN THE FRESH AIR INTAKE & ALL EXHAUST FANS, PLUMBING VENTS, ETC.

I. TENANT CONTRACTOR SHALL FURNISH TWO (2) COPIES OF A CERTIFIED INDEPENDENT TEST & BALANCE REPORT BY A LICENSED AABC OR NEBB CONTRACTOR TO LANDLORD & ONE (1) COPY TO THE TENANT.

J. PIPING AND DUCTWORK EXPOSED ON SALES FLOOR SHALL BE PAINTED WITH COLOR AS SELECTED BY ARCHITECT. SEE REFLECTED CEILING PLANS.

K. HVAC CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS IN FIELD BEFORE CONSTRUCTION.

L. PROVIDE ALL REQUIRED OFFSETS FOR DUCTWORK.

M. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF CEILING DIFFUSERS AND REGISTERS. DIFFUSER LOCATIONS ARE DIMENSIONED ON ARCHITECTURAL PLANS.

N. PERFORM INSTALLATIONS IN ACCORDANCE WITH LANDLORD'S SPECIFICATIONS.

O. RENOVATE THE EXISTING FIRE PROTECTION SYSTEM TO COMPLY WITH CODE AND THESE PLANS AND SPECIFICATIONS.

P. ALL THERMOSTAT/SENSORS TO BE LOCATED 4'-0" ABOVE FINISHED FLOORS.

Q. THERMOSTAT/SENSOR SHALL NOT BE LOCATED ON FEATURES WALLS OR VIGNETTES.

R. ALL EXPOSED SUPPLY AIR DUCTWORK SHALL BE RECTANGULAR OR ROUND SPIRAL UNLESS OTHERWISE INDICATED ON PLAN.

S. DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED STEEL SHEETS WITH AIRTIGHT LOCKED JOINTS.

T. ALL CONTROL WIRING SHALL BE IN CONDUIT.

KEY NOTES

1. LANDLORD SHALL FURNISH TEMPERATURE SENSOR AND 20' OF SENSOR WIRE. LANDLORD WILL RUN WIRE AND SENSOR TO SENSOR. TENANT G.C. TO INSTALL TEMPERATURE SENSOR AT LOCATION SHOWN MOUNTED AT 4'-0" A.F.F. LABEL SENSOR WITH UNIT NUMBER. CONNECT SENSOR TO ASSOCIATED THERMOSTAT IN MANAGER'S OFFICE. REFER TO TEMPERATURE CONTROL ON SHEET M300 FOR MORE INFORMATION. VERIFY EXACT LOCATION OF SENSOR WITH ANTHROPOLOGIE FIELD REPRESENTATIVE TO AVOID CONFLICT WITH FIXTURES.
2. LANDLORD SHALL FURNISH AND INSTALL THERMOSTATS IN MANAGER'S OFFICE AT 4'-0" A.F.F. COORDINATE EXACT LOCATION WITH ANTHROPOLOGIE FIELD REPRESENTATIVE. LABEL THERMOSTATS WITH ASSOCIATED UNIT NUMBER. REFER TO TEMPERATURE CONTROL ON SHEET M300 FOR MORE INFORMATION.
3. PROVIDE TOILET EXHAUST FAN WITH INTEGRAL BACKDRAFT DAMPER AND DUCTWORK.
4. PROVIDE CEILING-MOUNTED ROOM EXHAUST FAN WITH INTEGRAL BACKDRAFT DAMPER AND DUCTWORK.
5. UNDERCUT RESTROOM DOOR 1" FOR SUPPLY TO SPACE.
6. CONNECT NEW SUPPLY AND RETURN DUCTS TO EXISTING LANDLORD PROVIDED FAN COIL UNIT (FCU) WITH HOT WATER HEAT. FIELD VERIFY EXACT LOCATION.
7. EXISTING LANDLORD PROVIDED AIR-COOLED CONDENSING UNIT (ACCU) ON ROOF. FIELD VERIFY EXACT LOCATION.
8. EXISTING LANDLORD PROVIDED HEAT RECOVERY UNIT (HRU-1) RENEWAIRE MODEL HE2XINH OR EQUAL. FIELD VERIFY EXACT LOCATION.
9. CONNECT NEW OUTSIDE AIR DUCT TO EXISTING LANDLORD PROVIDED INTAKE LOUVER WITH MINIMUM 3.5 SQUARE FEET OF FREE AREA.
10. CONNECT NEW EXHAUST AIR DUCT TO EXISTING LANDLORD PROVIDED EXHAUST LOUVER WITH MINIMUM 2 SQUARE FEET OF FREE AREA.
11. DROP DUCTWORK DOWN AND ROUTE TIGHT TO BOTTOM OF MASONRY LINTEL OPENING.
12. PROVIDE 24V MOTORIZED DAMPER IN OUTSIDE AIR DUCT. REFER TO M300 FOR SEQUENCE OF OPERATION.
13. PROVIDE TRANSFER OPENING IN WALL WITH TRANSFER OPENINGS ON BOTH SIDES OF WALL.
14. PROVIDE INLINE EXHAUST FAN WITH INTEGRAL BACKDRAFT DAMPER HUNG FROM ABOVE.
15. INSTALL DUCT SMOKE DETECTOR FURNISHED BY ELECTRICAL CONTRACTOR IN MAIN RETURN AIR DUCT. INTERLOCK WITH HVAC UNIT FOR AUTOMATIC SHUTDOWN OF UNIT UPON DETECTION OF SMOKE. CONNECTION OF DUCT DETECTOR TO FIRE ALARM SYSTEM, IF REQUIRED, WILL BE BY ELECTRICAL CONTRACTOR.
16. PROVIDE 12"X12" TRANSFER DUCT WITH 1/2" DUCT LINER.
17. EXTEND 1" PRIMARY CONDENSATE PIPES TO DISCHARGE AT MOP SINK. PROVIDE 4" DEEP TRAP ON PRIMARY CONDENSATE PIPE. PROVIDE 2" AIR GAP AT DISCHARGE. PROVIDE CONDENSATE PUMP IF GRAVITY FLOW IS NOT POSSIBLE.
18. IF NOT EXISTING, PROVIDE 2" DEEP GALVANIZED STEEL SECONDARY DRAIN PAN WITH WET SWITCH TO SHUT DOWN UNIT UPON DETECTION OF WATER.

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DRAWN BY: MDB CHECKED BY: CDS/RLL

NSA PROJECT NUMBER: 20.3.568

PROJECT PHASE: CD

HEI PROJECT NUMBER: R:\6-1941\400

ISSUE / DATE:

100% CHECKSET	07-11-2014
BID/PERMIT	08-01-2014
REVISION 1 - CITY COMMENTS	09-19-2014

REVISION :

SHEET TITLE :

MECHANICAL PLAN

SHEET NO :

M100