



1 SECOND FLOOR - MECHANICAL RENOVATION PLAN
MH2.2 SCALE: 1 : 100

HVAC GENERAL NOTES

- A. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- B. DUCT TRANSITIONS MAY NOT BE SHOWN IN DETAIL ON PLAN. REFER TO DETAILS SHEETS AND SMACNA - HVAC DUCT CONSTRUCTION STANDARDS FOR REQUIRED DUCT TRANSITIONS AND FITTINGS. ALL DUCT TAPS TO BRANCH DUCTS SHALL HAVE 45 DEGREE ENTRY FITTINGS.
- C. INSTALL FIRE DAMPERS ON ALL DUCTS PENETRATING FIRE RATED WALL ASSEMBLIES. COMPLETE WITH ACCESS DOORS. SEE STANDARD DETAIL. REFER TO ARCHITECTURAL DRAWING FOR WALL TYPES.
- D. COORDINATE FINAL THERMOSTAT INSTALLATION HEIGHT AND DISTANCE FROM DOOR WITH ARCHITECT.
- E. DUCT INSULATION MATERIALS SHALL MEET SMOKE AND FLAME SPREAD REQUIREMENTS FOR PLENUM INSULATION.
- F. DUCT INSULATION SHALL FOLLOW THE SCHEDULES IN THE SPECIFICATION AS A MINIMUM REQUIREMENT. THESE REQUIREMENTS SHALL APPLY REGARDLESS OF WHETHER OR NOT DUCT INSULATION IS SHOWN ON THE DRAWINGS.
- G. WHERE DUCT INSULATION IS SHOWN ON THE DRAWINGS (EITHER WITH THE HATCHING CONVENTION OR BY MEANS OF A KEY NOTE) AND EXCEEDS THE REQUIREMENTS OF THE SCHEDULES IN THE SPECIFICATION, THE ADDITIONAL INSULATION REQUIREMENTS SHALL BE MET.
- H. PROVIDE MANUAL BALANCE DAMPERS FOR EACH EXHAUST, SUPPLY, AND RETURN GRILLE WHERE AN AIR VOLUME HAS BEEN PROVIDED.
- I. INSTALL BALANCE DAMPERS AS FAR AWAY FROM GRILLES OR DIFFUSERS SERVED AS PRACTICALLY POSSIBLE.
- J. INSTALL ALL BALANCE DAMPERS IN AN EASILY ACCESSIBLE LOCATION.
- K. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF GRILLES AND DIFFUSERS.
- L. CONTRACTOR SHALL SCAN FOR REBAR AND CONDUIT AND PROVIDE RESULTS OF SCAN IN WRITING TO OWNER PRIOR TO CORING OR DRILLING IN ANY CONCRETE WALL OR FLOOR.

KEY NOTES

- 1. PROVIDE NEW BYPASS VAV WITHIN CEILING SPACE. VAV AND THERMOSTAT TO CONNECT INTO EXISTING DDC SYSTEM. UPDATE DDC GRAPHICAL USER INTERFACE TO REFLECT CHANGES.
- 2. PROVIDE NEW STAINLESS STEEL SINK AND TRIM WITHIN MILLWORK.
- 3. CONNECT EXISTING FORCE FLOW UNITS AND ASSOCIATED CONTROL VALVES INTO RELOCATED THERMOSTAT AS SHOWN. UPDATE DDC GRAPHICAL USER INTERFACE TO REFLECT CHANGES.
- 4. CONNECT DUCTWORK INTO EXISTING AT APPROXIMATELY THIS LOCATION COMPLETE WITH MANUAL BALANCE DAMPER.
- 5. CONNECT DUCTWORK INTO EXISTING AT APPROXIMATELY THIS LOCATION. REUSE EXISTING MANUAL BALANCE DAMPER WHERE POSSIBLE. OTHERWISE PROVIDE NEW.
- 6. PROVIDE ACOUSTIC RETURN ELBOW. REFER TO DETAIL FOR INSTALLATION REQUIREMENTS.
- 7. PROVIDE ACOUSTIC RETURN ELBOW. REFER TO DETAIL FOR INSTALLATION REQUIREMENTS. ELBOW TO EXTEND THROUGH WALL AS SHOWN.
- 8. EXTEND EXISTING RETURN DUCTING TO WITHIN OPEN OFFICE CEILING SPACE. PROVIDE OPEN ENDED TRANSFER AIR DUCT WITHIN CEILING SPACE THROUGH WALL.
- 10. PROVIDE GRILLE ON WALL AT LOW LEVEL BEHIND PHOTO COPIER. TRANSFER FAN TO BE SUSPENDED WITHIN CEILING SPACE. CONNECT FAN INTO EXISTING DDC SYSTEM. FAN TO RUN CONTINUOUSLY DURING OCCUPIED HOURS. UPDATE DDC GRAPHICAL USER INTERFACE TO REFLECT CHANGES.
- 11. CONNECT DOMESTIC WATER PIPING INTO EXISTING PIPING OF ADEQUATE SIZE AT APPROXIMATELY THIS LOCATION WITHIN MAIN FLOOR CEILING SPACE. REINSULATE AND MAKE GOOD WHERE NEW PIPING IS CONNECTED. CONTRACTOR TO FIELD VERIFY EXACT TIE IN LOCATION ON SITE. COORDINATE WORK WITH MAIN FLOOR TENANT TO MINIMIZE DISRUPTION.
- 12. CONNECT SANITARY PIPING INTO EXISTING PIPING OF ADEQUATE SIZE AT APPROXIMATELY THIS LOCATION WITHIN MAIN FLOOR CEILING SPACE. CONTRACTOR TO FIELD VERIFY EXACT TIE IN LOCATION ON SITE. ROUTE PIPING TO MAINTAIN SLOPE AND AVOID CONFLICT WITH EXISTING SERVICES WITHIN CEILING SPACE. COORDINATE WORK WITH MAIN FLOOR TENANT TO MINIMIZE DISRUPTION.
- 13. PIPING TO BE RUN WITHIN MAIN FLOOR CEILING SPACE.
- 14. PROVIDE MULTI-PURPOSE DRY CHEMICAL FIRE EXTINGUISHER ON WALL. REUSE EXISTING EXTINGUISHER (X1). PROVIDE NEW FOR OTHER LOCATIONS. EXTINGUISHERS SHALL BE NO MORE THAN 22.5M APART. REFER TO SPECIFICATIONS FOR REQUIREMENTS. COORDINATE EXACT LOCATION OF FIRE EXTINGUISHER ON SITE WITH DEPARTMENTAL REPRESENTATIVE.
- 15. TRANSFER FAN TO BE SUSPENDED WITHIN CEILING SPACE. FAN TO DISCHARGE INTO CEILING PLENUM THROUGH OPEN ENDED DUCT. CONNECT FAN INTO EXISTING DDC SYSTEM. FAN TO RUN CONTINUOUSLY DURING OCCUPIED HOURS. UPDATE DDC GRAPHICAL USER INTERFACE TO REFLECT CHANGES.
- 16. TRANSFER FAN TO BE SUSPENDED WITHIN CEILING SPACE. FAN TO DISCHARGE INTO CEILING PLENUM THROUGH OPEN ENDED DUCT. CONNECT FAN INTO EXISTING DDC SYSTEM. FAN TO OPERATE MAINTAIN SPACE TEMPERATURE SETPOINT. UPDATE DDC GRAPHICAL USER INTERFACE TO REFLECT CHANGES.
- 17. PROVIDE CARBON DIOXIDE FIRE EXTINGUISHER ON WALL. REFER TO SPECIFICATIONS FOR REQUIREMENTS. COORDINATE EXACT LOCATION OF FIRE EXTINGUISHER ON SITE WITH DEPARTMENTAL REPRESENTATIVE.

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KEY PLAN
NTS

O	Issued for Construction	18-02-16
Revision	Description	Date
Client		client

SUITE 201

Project title Projet

GOCB OFFICE FIT-UP
SASKATOON, SASKATCHEWAN

Designed by Conçu par
TD

Drawn by Dessiné par
TD

Approved by Approuvé par
DS

PMWSC Project Manager Administrateur de Projets TPWSC
AR

Drawing title Titre du dessin

SECOND FLOOR - MECHANICAL
RENOVATION PLAN

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
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