

NIVEAU 5 - ZONE A ET B
PLAN VIEW
SCALE: 1:50

IMPORTANT NOTES:

- AFTER THE INSTALLATION OF THE NEW HEAT PUMPS, THE VENTILATION CONTRACTOR MUST MAKE SURE TO ELIMINATE THE AIR FROM THE TEMPERED WATER DISTRIBUTION, THE CONTRACTOR MUST ADJUST THE FLOWS OF MIXED WATER TO MATCH THE HEAT PUMP'S REQUIREMENTS.
- THE VENTILATION CONTRACTOR MUST CLEAN ALL EXISTING EQUIPMENTS AND DUCTS WHO ARE KEPT BEFORE STARTING THE NEW ARRANGEMENT WORKS.
- ALL NEW AND EXISTING DUCTS HAVE TO BE SEALED DURING ALL THE WORKS.
- THE WORKS MUST BE DONE BY PHASES, THE VENTILATION CONTRACTOR MUST REFER TO THE ARCHITECT'S PHASES PLAN TO KNOW THEIR SCOPE OF WORKS, THE VENTILATION CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL WORKS ACCORDING TO THE PLANS AND SPECIFICATIONS.

SPECIFIC NOTES:

- 1- NEW HEAT PUMP. SEE HEAT PUMP'S TABLE. THE VENTILATION CONTRACTOR IS RESPONSIBLE FOR PROVIDING A PRODUCT THAT RESPECTS THE PHYSICAL DIMENSIONS AND CONFIGURATIONS OF CONNECTIONS TO EXISTING SERVICES. ALL DIMENSIONS MUST BE DONE ON THE CONSTRUCTION SITE BEFORE ORDERING EQUIPMENTS.
- 2- EXISTING WALL THERMOSTAT.
- 3- NEW RETURN GRID WITH RETURN DUCT, SEE TYPICAL DETAIL OF GRID ARRANGEMENT.
- 4- RELOCATED DIFFUSER WITH NEW FLEXIBLE DUCT. PROVIDE NEW SQUARE TO ROUND TRANSITION. SEE TYPICAL DETAIL OF DIFFUSEUR ARRANGEMENT.
- 5- NEW WALL THERMOSTAT BY CONTROLS CONTRACTOR.
- 6- NEW CONTROLLER BY CONTROLS CONTRACTOR.

VENTILATION MATERIAL BILL:

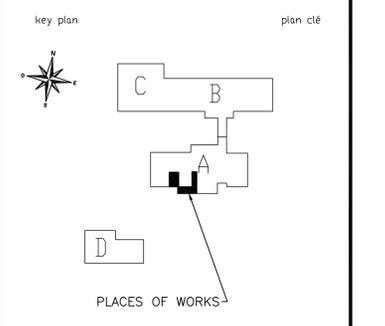
PROVIDED, INSTALLED AND CONNECTED BY THE VENTILATION CONTRACTOR

- DA1 AIR SUPPLY SWIRL DIFFUSER WITH ECCENTRIC ROLLERS TECHNOLOGY, 4 WAYS C/W PLENUM, BALANCING DAMPER AND HANGERS WITH ROOF MOUNTING ROD, 610x610, COLOR BY ARCHITECT'S CHOICE, NECK SIZE AND AIRFLOW AS SHOWN ON PLANS. MOUNTING TYPE TO BE COORDINATE WITH THE ARCHITECT'S CEILINGS. REFER TO SPECIFICATIONS FOR COMPLETE DESCRIPTION.
- DA2 AIR SUPPLY DIFFUSER DUCT TYPE WITH HIGH INDUCTION SLOTS, C/W ADJUSTABLE ECCENTRIC ROLLERS SLOTS, 90 DEGREES ELBOW, HANGERS AND DUCT COUPLING, COLOR BY ARCHITECT'S CHOICE. REFER TO SPECIFICATIONS FOR COMPLETE DESCRIPTION.
- GE1 CEILING ALUMINIUM EXHAUST GRID C/W BALANCING DAMPERS, COLOR BY ARCHITECT'S CHOICE, DIMENSIONS AND CAPACITY AS SHOWN ON PLANS. MOUNTING TYPE TO BE COORDINATE WITH ARCHITECT'S CEILINGS. REFER TO THE SPECIFICATIONS FOR COMPLETE DESCRIPTION.
- GR1 CEILING ALUMINIUM RETURN GRID C/W BALANCING DAMPERS, COLOR BY ARCHITECT'S CHOICE DIMENSIONS AND CAPACITY AS SHOWN ON PLANS. MOUNTING TYPE TO BE COORDINATE WITH ARCHITECT'S CEILINGS. REFER TO THE SPECIFICATIONS FOR COMPLETE DESCRIPTION.
- GP1 STEEL DOOR GRID DOUBLE FLANGED TYPE, COLOR BY ARCHITECT'S CHOICE, DIMENSIONS OF 457mm x 305mm.
- SE1 REHEATING ELECTRICAL HEATING COIL, FOR INSERTION MONTAGE, SCR CONTROL, LOCAL CIRCUIT BREAKER, CAPACITY OF 900 WATTS OF HEATING, OPEN ELEMENT TYPE, AUTOMATIC AND MANUEL RESET, PROTECTION GRID FROM EACH SIDE, INTEGRATED DISCONNECT SWITCH, FLOW SWITCH, CONTROLS TRANSFORMER, JUNCTION BOX, VOLTAGE OF 208/1/60.
- SE2 REHEATING ELECTRICAL HEATING COIL, FOR INSERTION MONTAGE, SCR CONTROL, LOCAL CIRCUIT BREAKER, CAPACITY OF 500 WATTS OF HEATING, OPEN ELEMENT TYPE, AUTOMATIC AND MANUEL RESET, PROTECTION GRID FROM EACH SIDE, INTEGRATED DISCONNECT SWITCH, FLOW SWITCH, CONTROLS TRANSFORMER, JUNCTION BOX, VOLTAGE OF 208/1/60.

GENERAL NOTES:

- REFER TO THE ARCHITECT'S CEILING PLANS FOR THE EXACT LOCATION OF GRIDS AND DIFFUSERS. EXACT LOCATION MAY DIFFER FROM 3048mm LENGTH TO REAL LOCATIONS.
- THE CONTRACTOR MUST COORDINATE HIS WORK WITH OTHER SPECIALTIES, COORDINATE THE INSTALLATION OF DUCTWORK WITH PLUMBING PIPINGS AND LIGHTING EQUIPMENTS.
- PROVIDE BALANCING DAMPERS TO ALL CONNECTIONS OF SUPPLY AND RETURN DUCTS.
- SUPPLY AND INSTALL ACCESS DOORS IN DUCTWORK, NEAR ACCESSORIES SUCH AS FIRE DAMPERS, MOTORIZED DAMPERS, CONTROL ELEMENT OR ANY OTHER EQUIPMENT.
- DUCTWORK LOCATIONS AND VENTILATION EQUIPMENT MAY DIFFER FROM ON CONSTRUCTION SITE. THE CONTRACTOR MUST CHECK DIMENSIONS AND SPACES PRIOR TO MANUFACTURING AND MUST COORDINATE HIS WORK TO NOT INTERFERE WITH STRUCTURAL OR OTHER MECHANICAL OR ELECTRICAL EQUIPMENT.
- THE CONTOUR OF THE FIRE DAMPERS MUST BE SEALED WITH A APPROVED CAULKING PRODUCT.
- EACH SQUARE OR RECTANGULAR ELBOW ON THE SUPPLY SIDE MUST BE NSTALLED WITH AERODYNAMIC DIRECTIONAL BLADES.
- THE CONTRACTOR MUST PROVIDE ALL SUPPORTS FOR FANS, DUCTWORK AND DIFFERENT VENTILATION EQUIPMENT. (SEE ALSO SCOPE OF WORKS FOR PARASISMIC FIXINGS).
- THE CONTRACTOR MUST CLOSE ALL OPENINGS LEFT TO THE MAIN DUCTS AS A RESULT OF DAMAGE WORK. USE 18 GAUGE GALVANIZED STEEL PLATE WITH SELF-PIERCING SCREWS AT 100mm C/C AND SEAL WITH A PERIPHERY SEALANT, COVER WITH A WATER-BASED SEALANT, SEE SPECIFICATIONS.
- AT THE TIME OF FABRICATION, ALL OPENINGS OF VDUCTS AND ADAPTERS MUST BE WATERPROOFED UNTIL THEY ARE INSTALLED ON THE SITE. AT THE END OF EACH QUARTER OF WORK, THE CONTRACTOR MUST ENSURE THAT NO DUCTWORK, INSTALLED OR NOT INSTALLED, IS LEFT OPENED WITH FREE AIR AND THEREFORE EXPOSED TO CONTAMINANTS
- THE DIMENSION OF ROUND AND ROUND FLEXIBLE DUCTS CONNECTING TO THE DIFFUSERS IS THE SAME AS DIFFUSER'S NECK. THE MAXIMUM LENGTH PERMITTED FOR FLEXIBLE DUCTS TO THE DIFFUSER IS 1524mm.
- ALL OPENINGS IN WALLS AND FLOORS FOR DUCTWORK ARE PERFORMED BY THE VENTILATION CONTRACTOR.
- DUCTWORKS MUST BE INSTALLED AS HIGH AS POSSIBLE NEAR THE STRUCTURE TO OBTAIN THE MAXIMUM FREE HEIGHT.
- THE WORKS ARE CARRIED OUT IN AN EXISTING BUILDING IN OPERATION. THE CONTRACTOR MUST COORDINATE ALL SERVICE INTERRUPTIONS WITH THE OWNER OF THE BUILDING TO MINIMIZE THE IMPACT OF THE WORKS ON THE BUILDING OPERATIONS. THE CONTRACTOR MUST ALSO USE A SAFE WORKING METHOD TO SECURE LIVE ELECTRICAL EQUIPMENT AND AVOID CAUSING A POWER FAILURE.
- THE CONTRACTOR MUST PLAN WITH THE OWNER A MINIMUM OF 48 HOURS BEFORE THE START OF THE WORKS, AND SPECIFY THE MAXIMUM TIME OF THE INTERRUPTION, SO THAT THE OPERATIONS OF THE EXISTING BUILDING ARE AFFECTED AT MINIMUM BY WORKS. SOME WORK SHOULD BE MADE OUT OF NORMAL OPERATING HOURS. OPERATION OF THE BUILDING WILL ALWAYS HAVE PRIORITY ON WORKS.
- THE CONTRACTOR MUST ANTICIPATE THAT THE WORKS COULD BE PERFORMED DURING NIGHT TIME AND EVENINGS.
- ALL BRANDS AND MODELS MENTIONED IN THE PLANS AND SCOPE OF WORKS ARE MENTIONNED FOR UNIFORMITY IN THE BUILDING. THE CONTRACTOR MUST COMPLY WITH THESE SPECIFIC MODELS FOR THE WORKS OF THIS MANDATE. ANY SUBSTITUTION OF EQUIPMENT WHERE THE BRANDS ARE MENTIONED SPECIFICALLY WILL BE SUBJECT TO ANALYSIS BY THE ENGINEER AND THE CLIENT, UNIFORMITY MUST BE FOLLOWED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE UNIFORMITY OF THE ACCESSORIES PROVIDED IN THE BUILDING.

 Pêches et Océans Canada	 Fisheries and Oceans Canada
Biens Immobiliers, de l'Environnement, de la Sécurité et de la Santé (BIESS)	The Real Properties Assets, Environment, Safety and Security (RPSS)
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Révision Description Par/By Date	FOR QUOTATION JD 2019-01-18
A: Numéro du détail Dessin no. B: Feuille sur laquelle le détail est référé Location drawing no. C: Feuille sur laquelle le détail est dessiné Drawing no.	A B C
Toute modification doit être rapportée à: All modification must be reported to:	
Biens Immobiliers, Environnement, Sécurité et Santé 104, Dalousie, Québec, Qc G1K 7Y7	
MONT-JOLI MAURICE-LAMONTAGNE BUILDING RENOVATION GIST/SPC	
Dessin: Drawing: MECHANICAL LEVEL 5 - ZONES A AND B VENTILATION NEW ARRANGEMENT	
Conçu par: Designed by: Dessiné par: Drawn by: Vérifié par: Verified by: Approuvé par: Approved by: No. dossier: File no.: No. feuille: Sheet no.:	Date 2018-05-08 Date 2018-05-08 Date 2018-05-08 Date 2018-05-08 Echelle: Scale: Indicated M15 OF 24
No. dossier: File no.: F3677-170169	

FOR QUOTATION
 THESE DOCUMENTS MUST NOT BE USED
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