



GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK NOT EXPLICITLY SET OUT IN THE CONTRACT DOCUMENTS BUT WHICH MAY BE REASONABLY IMPLIED FOR THE PROPER COMPLETION OF THE WORK.
- IN SUBMISSION OF EQUIVALENTS TO PRODUCTS SPECIFIED, BIDDERS SHALL INCLUDE IN THEIR BID, ANY CHANGES REQUIRED IN THE WORK TO ACCOMMODATE SUCH PRODUCTS. A LATER CLAIM BY THE BIDDER FOR AN ADDITION TO THE CONTRACT PRICE BECAUSE OF CHANGES IN WORK NECESSITATED BY USE OF AN EQUIVALENT PRODUCT SHALL NOT BE CONSIDERED.
- THESE PLANS ARE SCHEMATIC IN NATURE AND INDICATE THE APPROXIMATE AND GENERAL LOCATION OF THE WORK. CONTRACTOR SHALL INSTALL WORK THROUGH COORDINATION WITH OTHER TRADES AND TO SUIT FIELD CONDITIONS.
- GENERAL CONTRACTOR SHALL COORDINATE WITH SUB-CONTRACTORS TO ENSURE ANY MULTI DISCIPLINE NOTES OR DETAILS ARE REVIEWED BY ALL SUB-CONTRACTORS PRIOR TO BID SUBMISSION. A LATER CLAIM SUBMITTED BY THE BIDDER FOR AN ADDITION TO THE CONTRACT PRICE BECAUSE OF CHANGES IN WORK NECESSITATED DUE TO A LACK OF COORDINATION WILL NOT BE ACCEPTED.
- COORDINATE WORKS WITH OTHER SUB-TRADES. REFER TO SPECIFIC DETAILS FOR CUTTING AND SEALING PENETRATIONS THROUGH OPENINGS & FIRE SEPARATIONS
- REFER TO TECHNICAL SPECIFICATIONS FOR EQUIPMENT AND MATERIAL SPECIFICATIONS AND INSTALLATION REQUIREMENTS
- INSULATE DUCTWORK WHERE INDICATED AND SPECIFIED.
- PERFORM ALL WORKS IN ACCORDANCE WITH NATIONAL BUILDING CODE, TO SMACNA & ASHRAE STANDARDS, ALL LOCAL CODES, BYLAWS & STANDARDS, AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- SUPPORT ALL DUCTWORK TO MEET CODE REQUIREMENTS & ESTABLISHED INDUSTRY TRADE PRACTICES. (SMACNA, ASHRAE).
- PROVIDE BALANCE DAMPERS AT ALL GRILLES, REGISTERS AND DIFFUSERS FOR AIR BALANCING.
- INVESTIGATE SITE PRIOR TO CONSTRUCTION TO CONFIRM ALL DIMENSIONS AND INSTALLATION REQUIREMENTS. ANY DISCREPANCIES OR QUESTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID CLOSING.
- PROVIDE TAB TO ENSURE AIR DISTRIBUTION TO VOLUMES INDICATED AND HYDRONIC SYSTEM FLOWS TO VALUES INDICATED.
- CO-ORDINATE WORK WITH ASBESTOS ABATEMENT CONTRACTOR
- CONTRACTOR TO PAY FOR AND OBTAIN ALL NECESSARY BUILDING, MECHANICAL AND ELECTRICAL PERMITS/INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION.

KEYNOTES

- NEW MAKE-UP AIR UNIT, AHU-R600. SEE SPECIFICATIONS FOR DETAILS. AHU-R600 TO BE SUSPENDED FROM CEILING; PROVIDE STRUT SUPPORT SYSTEM C/W ALL REQUIRED RAILS AND ATTACHMENTS.
- NEW OUTDOOR AIR INTAKE DUCTWORK; INSULATED, ROUTED AS SHOWN. INSULATE AND SUPPORT AS SPECIFIED.
- NEW MAKE-UP AIR SUPPLY DUCTWORK, ROUTED AS SHOWN, SUPPORT AS SPECIFIED. PROVIDE GRILLES AT DISCHARGE PER SCHEDULE. ALL SUPPLY TAKEOFFS SHALL BE C/W BALANCING DAMPER.
- EXISTING ROOF OPENING AND CURB TO BE RE-USED. TRANSITION DUCTWORK AS REQUIRED TO SUIT EXISTING OPENING.
- NEW LOUVRE AND ASSOCIATED MULTIBLADE DAMPER C/W LOCKING MANUAL ACTUATOR ON EXISTING OPENING; SEE SPECIFICATIONS FOR DETAILS. PROVIDE TRANSITIONS AS REQUIRED TO CONNECT NEW DAMPER AND LOUVRE TO EXISTING OPENING.
- NEW LOUVRE AND ASSOCIATED MULTIBLADE DAMPER C/W LOCKING MANUAL ACTUATOR. PROVIDE NEW WALL OPENING C/W LINTEL; SEE SPECIFICATIONS FOR DETAILS.
- NEW LOW VOLTAGE WALL MOUNTED THERMOSTAT SERVING NEW UNIT HEATER C/W METAL THERMOSTAT GUARD.
- NEW MAKE-UP AIR UNIT, AHU-R610. SEE SPECIFICATIONS FOR DETAILS. AHU-R610 TO BE SUSPENDED FROM CEILING; PROVIDE STRUT SUPPORT SYSTEM COMPLETE WITH ALL REQUIRED RAILS AND ATTACHMENTS.
- NEW ELECTRIC UNIT HEATER. REFER TO SPECIFICATIONS AND SCHEDULE FOR DETAILS. SUPPORT FROM WALL. C/W ALL REQUIRED ATTACHMENTS; INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REFER TO ELECTRICAL FOR FURTHER DETAILS.
- NEW HOLLOW METAL DOOR AND FRAME. REFER TO SCHEDULE IN SPECIFICATION. DOOR SHALL BE C/W CLOSER AND HARDWARE. CONFIRM KEYWAY WITH OWNER PRIOR TO ORDERING AND PROVIDE CONSTRUCTION CORE.
- NEW EXHAUST AIR DUCTWORK. SIZE AS NOTED ON DRAWINGS, ROUTED AS SHOWN, SUPPORT AS SPECIFIED. PROVIDE EXHAUST AIR GRILLES SIZE AND QUANTITY AS NOTED. PROVIDE BALANCING DAMPER FOR EACH EXHAUST INTAKE. REUSE EXISTING FLOOR OPENING. INSULATE MINIMUM 3 M OF DUCTWORK FROM ROOF PENETRATION IN ACCORDANCE WITH SPECIFICATION.
- NEW EXHAUST FAN. SEE SPECIFICATIONS AND SCHEDULE FOR DETAILS. SUSPENDED FROM CEILING; INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTION.

GRILLE AND DIFFUSER SCHEDULE

TAG	MODEL NO.	MANUFACTURER	COMMENTS
GR-601-1	96	PRICE	WHITE; SIZE AS NOTED
GR-611-1	96	PRICE	WHITE; SIZE AS NOTED
GRD-R600-1	HCD	PRICE	WHITE; SIZE AS NOTED
GRD-R600-2	HCD	PRICE	WHITE; SIZE AS NOTED
GRD-R600-3	HCD	PRICE	WHITE; SIZE AS NOTED
GRD-R600-4	HCD	PRICE	WHITE; SIZE AS NOTED
GRD-R610-1	HCD	PRICE	WHITE; SIZE AS NOTED

LOUVRE SCHEDULE

TAG	MODEL NO.	Manufacturer	COMMENTS
GR-R620-1	RSE5	PRICE	C/W INSECT SCREEN; CONFIRM COLOUR W/ OWNER
GR-R621-1	RSE5	PRICE	C/W INSECT SCREEN; CONFIRM COLOUR W/ OWNER
GR-R622-1	RSE5	PRICE	C/W INSECT SCREEN; CONFIRM COLOUR W/ OWNER
GR-R623-1	RSE5	PRICE	C/W INSECT SCREEN; CONFIRM COLOUR W/ OWNER

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GROUND FLOOR - PLAN VIEW - NEW
SCALE: 1 : 25 594mmx841mm SHEET

**ENGINEERS
GEOSCIENTISTS
MANITOBA**
Certificate of Authorization
Alliance Engineering Services Inc.
No. 2906

DESIGNED BY	A.M.	CHECKED BY	B.M.
DRAWN BY	A.M.	APPROVED BY	J.C.
SCALE:	AS NOTED		
HORIZONTAL			
VERTICAL			
DATE	2025/07/02		
DATE	YYYY/MM/DD		
NO.	0 ISSUED FOR CONSTRUCTION		
REVISIONS	DATE (YYYY/MM/DD)		
BY	B.M.		



ENGINEER'S SEAL

CONSULTANT DRAWING NUMBER
M2.1

BID OPP: 462-2025
CONTRACT NUMBER: #



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING SERVICES DIVISION

MACLEAN RESERVOIR VALVE HOUSE
VENTILATION UPGRADE
GROUND FLOOR - NEW

CITY FILE NUMBER
W-938

SHEET **1** OF **1**

CITY DRAWING NUMBER
1-0630R-M0004-001

FILE PATH:
FILE NAME: