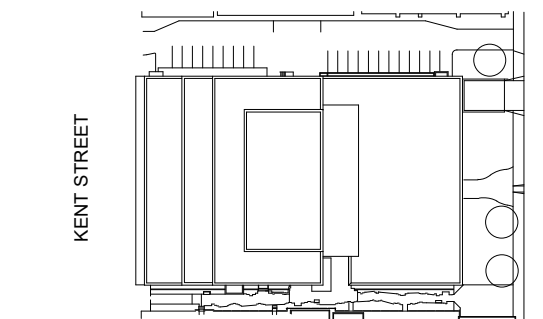


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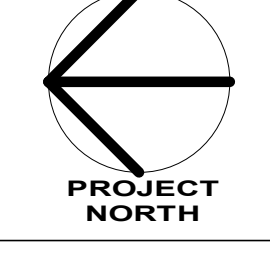
NORR Architects & Engineers Limited
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Toronto, ON Canada M4W 3R8
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key plan



project and true North



project legend

project legend

THE ASSOCIATION OF
PROFESSIONAL ENGINEERS
OF THE PROVINCE OF
PRINCE EDWARD ISLAND
VALID FOR THE YEAR 2022

P.N. Frasier
No. 2553
DATE: 27 MAY, 2022

LICENSED
PROFESSIONAL ENGINEER
PROVINCE OF
PRINCE EDWARD ISLAND

0 ISSUED FOR TENDER 2022-05-27

revisions

project

DANIEL J MACDONALD
MODERNIZATION

161 GRAFTON STREET
CHARLOTTETOWN, PEI, C1A 1L1

drawing design
HVAC - MAIN FLOOR
NEW WORK

designed NORR compu

date 2020-8-31

drawn NORR dessin

date 2020-8-31

approved NORR approuvé

date 2022-05-27

Tender Soumission

PWGS&C Project Manager Administrateur de projets TPSC

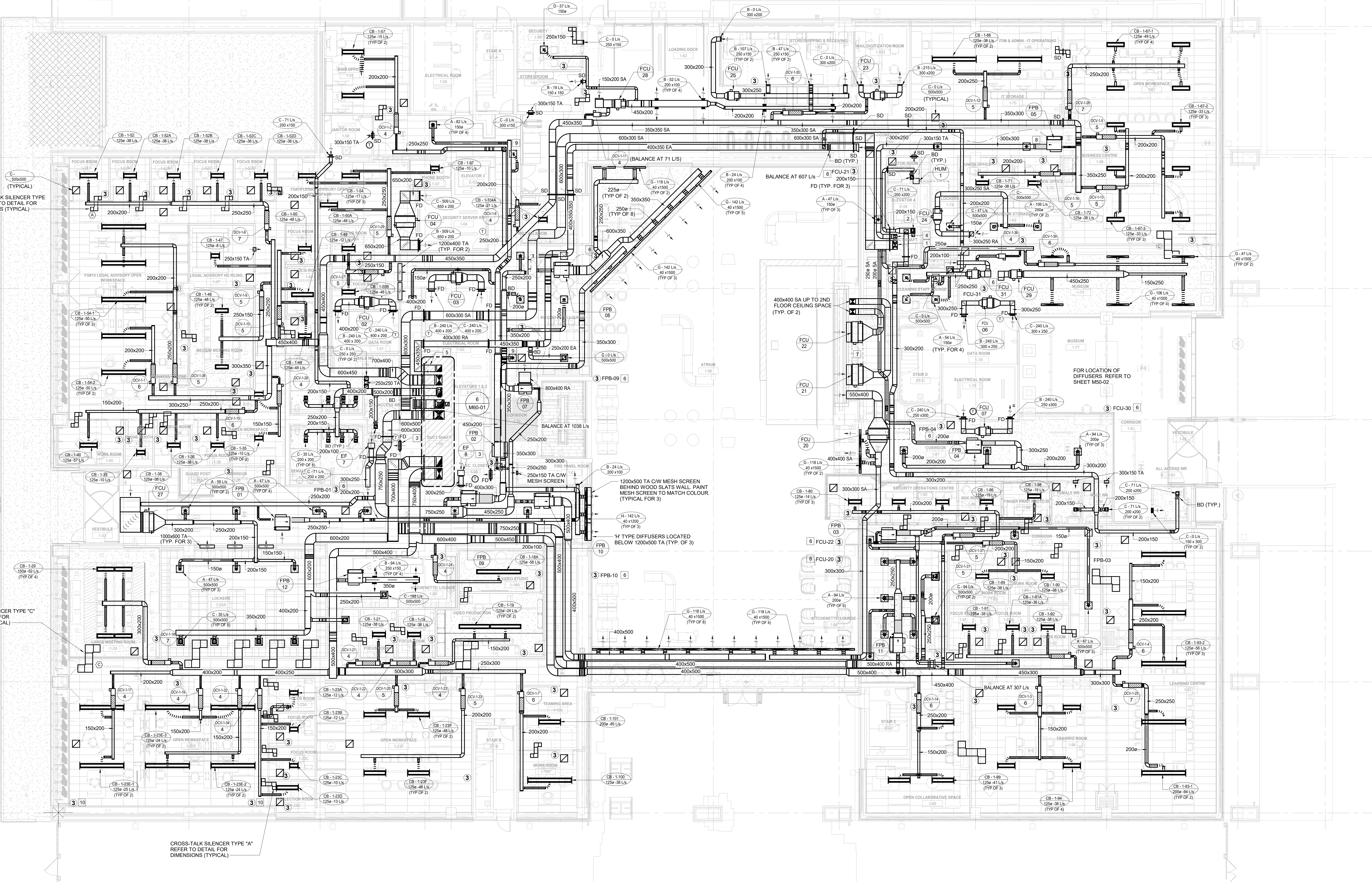
project number no. du projet

R.056687.005

drawing no. no. du dessin

M50-01

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DRAWING NOTES:

- 1 600x300 SUPPLY AIR DUCT UP, TRANSITION TO 300x300, OFFSET IN RISER TO SOUTH SIDE OF SHAFT.
- 2 350x250 EXHAUST AIR DUCT UP.
- 3 600x200 TRANSFER AIR DUCT C/W WIRE MESH SCREEN.
- 4 300x250 SUPPLY AIR DUCT DOWN TO PARKING LEVEL.
- 5 ALL DUCTS PENETRATING RISER SHAFT WALL TO BE C/W FIRE DAMPERS AND FOR THE DUCT SIZES PENETRATING WALL REFER TO DRAWING M50-01.
- 6 PROVIDE PROTECTIVE GUARD.
- 7 RA DUCTS TO FCU-20, 21, 22 TO BE SLOPED TOWARDS BIOFILTER PLENUM AT LEAST 10° AND TO BE MADE OF MARINE GRADE ALUMINUM.
- 8 SMOKE DETECTOR INSTALLED IN FPB-05 SA DUCT. SHUT-OFF FPB-05 UPON SMOKE DETECTION.
- 9 PROVIDE AIR BAFFLE TO BLOCK DISCHARGE SIDE OF THE DIFFUSER ADJACENT TO WALL.
- 10 PROVIDE INSULATION ON THE BACK OF THE THERMOSTAT TO AVOID FALSE READINGS DUE TO WALL INFLUENCE.

GENERAL NOTES:

1. DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL FLOOR PLANS AND SPECIFICATIONS.
2. ALL EXISTING SERVICES SHOWN ARE APPROXIMATE AND BASED ON EXISTING DRAWINGS. CONTRACTOR SHALL VERIFY ALL LOCATIONS ON SITE.
3. CONTRACTOR TO COORDINATE INSTALLATION WITH ALL OTHER TRADES INVOLVED ON SITE.
4. ENSURE NOT TO DISTURB SERVICES COVERING AREAS NOT INCLUDED IN THE SCOPE. ALL WORK MUST BE COORDINATED WITH DEPARTMENTAL REPRESENTATIVE.
5. CONTRACTOR SHALL VISIT SITE TO EXAMINE EXISTING CONDITIONS.
6. CONTRACTOR TO PROPOSE SOLUTIONS FOR REVIEW TO THE CONSULTANT IF ANY INTERFERENCES OCCUR DUE TO SITE CONDITIONS.
7. ALL MATERIAL USED IN THE CEILING SPACE (RETURN AIR PLENUM) SHALL MEET AND EXCEED THE N.B.C. REQUIREMENTS FLAME AND SMOKE DEVELOPMENT RATINGS.
8. CONTRACTOR TO PROVIDE CONNECTION TO RELOCATED EXISTING EQUIPMENT AND ADDED EQUIPMENT DIRECTLY TO BUILDING HVAC SYSTEM AND UPDATE THE BMS ARCHITECTURE AS REQUIRED.
9. CONTRACTOR TO REMOVE ALL MECHANICAL EQUIPMENT AND INSTALL NEW ONES, SALVAGE AND REINSTALL ONLY WHEN SPECIFICALLY INDICATED.
10. CHILLED BEAMS DUCT CONNECTION SIZES ARE NOTED ON THE DRAWING. REFER TO CHILLED BEAMS SCHEDULE FOR THE CORRECT TYPE OF DUCTWORK - ROUND OR OVAL - FOR EACH CHILLED BEAM.
11. PROVIDE 25mm THICK ACOUSTIC LINER ON FIRST 3000mm LENGTH OF SUPPLY AIR DUCT FROM ALL DCV AND FPB IF DISCHARGE ATTENUATOR CANNOT BE INSTALLED DUE TO SPACE RESTRICTIONS.
12. MECHANICAL CONTRACTOR TO COORDINATE FCU-20, 21, 22 START-UP, TESTING AND COMMISSIONING WITH THE BIOFILTER WALL INSTALLER. CONFIRM SCHEDULING WITH DEPARTMENTAL REPRESENTATIVE.
13. PROVIDE BALANCING DAMPERS AS REQUIRED FOR COMPLETE BALANCING OF THE SYSTEM. REFER TO DETAILS AND SPECIFICATIONS. NOT ALL THE REQUIRED BALANCING DAMPERS ARE SHOWN ON PLANS.
14. ALL THERMOSTATS IN PUBLIC AREAS TO BE EITHER BLANK PLATE-TYPE SENSORS OR PROVIDED WITH PROTECTIVE GUARDS.

2 HVAC MAIN FLOOR
SCALE: 1:100

M50-01

0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m