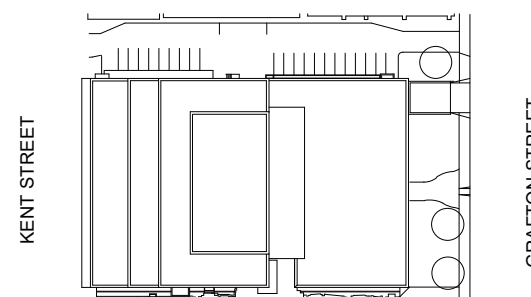


NORR

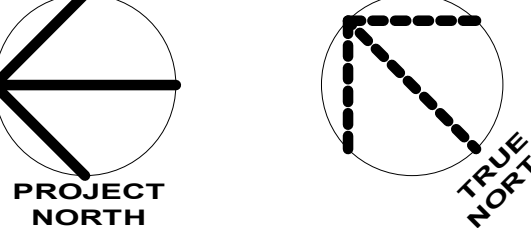
NORR Architects & Engineers Limited
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Toronto, ON Canada M4W 3R8
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key plan



project and true North



project legend

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 date

project project

**DANIEL J MACDONALD
MODERNIZATION**

161 GRAFTON STREET
CHARLOTTETOWN, PEI, C1A 1L1

drawing dessin

**HYDRONIC - FIFTH
FLOOR NEW WORK**

designed NORR compu

date 2020-8-31

drawn NORR dessiné

date 2020-8-31

approved NORR approuvé

date 2022-05-27

Tender Soumission

PWGSOC Project Manager Administrateur de projets TPSSOC

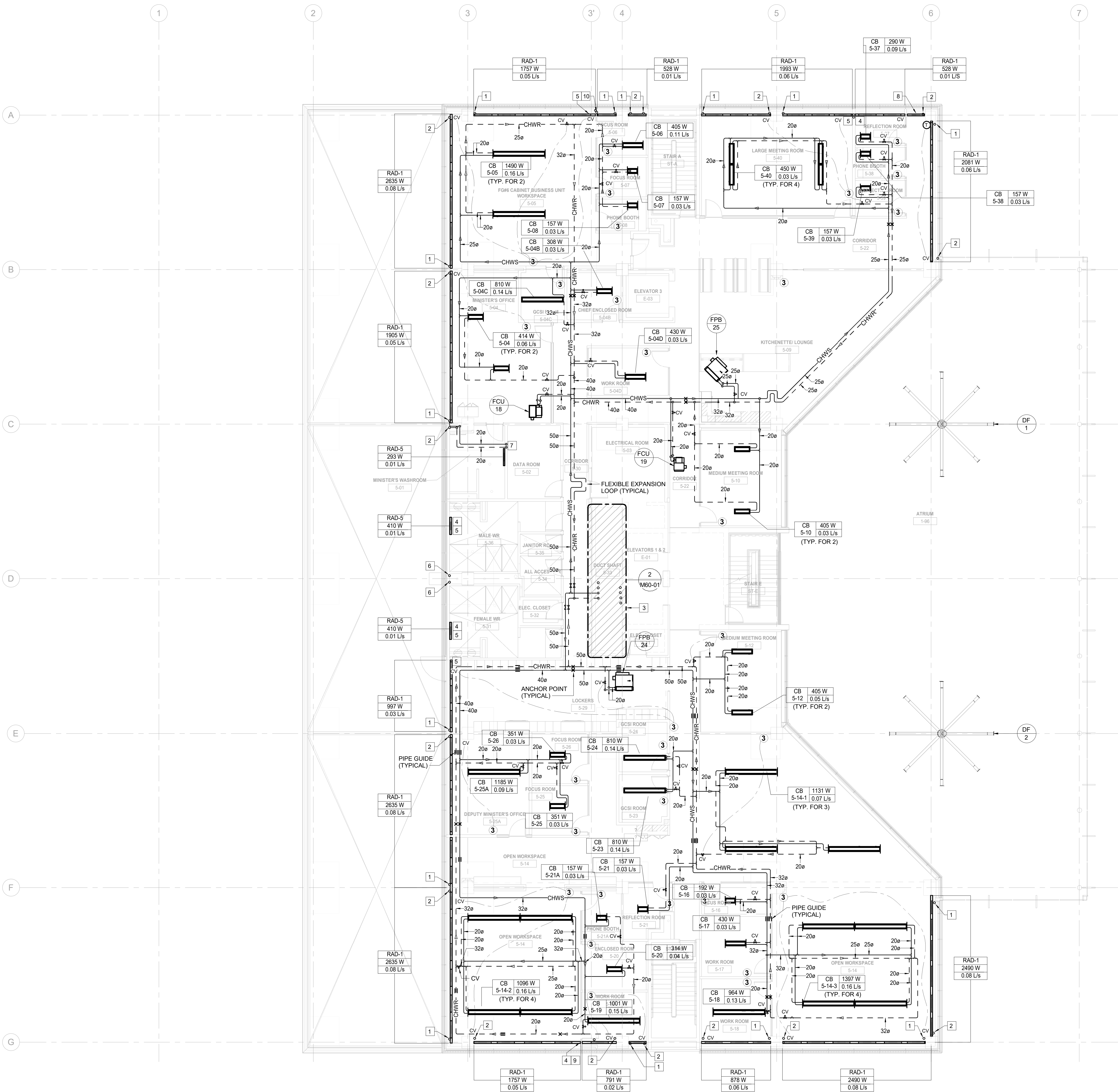
project number no. du projet

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drawing no. no. du dessin

M53-05

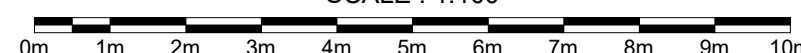
E-DRM/GDD-E



1 HVAC PIPING FIFTH FLOOR

M53-05

SCALE : 1:100



DRAWING NOTE

- 20ø HWS FROM BELOW. RE-USE EXISTING FLOOR OPENING.
- 20ø HWR DOWN. RE-USE EXISTING FLOOR OPENING.
- FOR HVAC AND DOMESTIC WATER PIPING SIZES REFER TO DRAWING M80-01.
- 20ø HWS FROM LEVEL BELOW. PROVIDE NEW FLOOR OPENING. SCAN FLOOR PRIOR TO CORING AND COORDINATE OPENING WITH THE RADIATOR LOCATION.
- 20ø HWR TO LEVEL BELOW. PROVIDE NEW FLOOR OPENING. SCAN FLOOR PRIOR TO CORING AND COORDINATE OPENING WITH THE RADIATOR LOCATION.
- PATCH UNUSED FLOOR OPENINGS.

DRAWING NOTE

- 20ø HWS/R DOWN WITHIN WALL TO SERVICE RADIATOR.
- 20ø HWR INSIDE THE WALL TO EXISTING FLOOR OPENING. PROVIDE TRIM TO COVER PIPE AND OPENING AS REQUIRED.
- 20ø HWS INSIDE THE WALL TO RADIATOR IN ADJACENT ROOM.
- 20ø HWR INSIDE THE WALL FROM RADIATOR IN ADJACENT ROOM.

NOTES:

- PROVIDE RADIATORS TO MEET THE CAPACITY REQUIREMENTS NOTED ON THE DRAWING AND TO COMPLY WITH DIMENSIONS AND TYPE ACCORDING TO THE SCHEDULE.
- RADIATORS TO BE C/W ALL ACCESSORIES AND TRIMS NECESSARY TO MAINTAIN CONTINUOUS APPEARANCE ALONG EXTERIOR WALLS.
- INSTALL HWS/HWR PIPING THROUGH EXISTING FLOOR OPENINGS TO SERVICE RADIATORS ON LEVEL ABOVE AS NOTED. PROVIDE SAME END OR OPPOSITE END CONNECTIONS AS NECESSARY TO SUIT INSTALLATION AS SHOWN ON THE DRAWING.
- PROVIDE CONTROL VALVES FOR RADIATORS IN EACH ZONE. REFER TO RADIATOR PIPING DETAILS FOR CONTROL VALVES LOCATION AND PIPING ARRANGEMENTS.
- DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL FLOOR PLANS AND SPECIFICATIONS.
- ALL EXISTING SERVICES SHOWN ARE APPROXIMATE AND BASED ON EXISTING DRAWINGS. CONTRACTOR SHALL VERIFY ALL LOCATIONS ON SITE.
- CONTRACTOR TO COORDINATE INSTALLATION WITH ALL OTHER TRADES INVOLVED ON SITE.
- ENSURE NOT TO DISTURB SERVICES COVERING AREAS NOT INCLUDED IN THE SCOPE. ALL WORK MUST BE COORDINATED WITH DEPARTMENTAL REPRESENTATIVE.
- CONTRACTOR SHALL VISIT SITE TO EXAMINE EXISTING CONDITIONS.
- CONTRACTOR TO PROPOSE SOLUTIONS FOR REVIEW TO THE CONSULTANT IF ANY INTERFERENCES OCCUR DUE TO SITE CONDITIONS.
- ALL MATERIAL USED IN THE CEILING SPACE (RETURN AIR PLENUM) SHALL MEET AND EXCEED THE N.B.C REQUIREMENTS FLAME AND SMOKE SPREAD/DEVELOPMENT RATINGS.
- CONTRACTOR TO PROVIDE CONNECTION TO RELOCATED EXISTING EQUIPMENT AND ADDED EQUIPMENT DIRECTLY TO BUILDING HVAC SYSTEM AND UPDATE THE BMS ARCHITECTURE AS REQUIRED.
- CONTRACTOR TO REMOVE ALL MECHANICAL EQUIPMENT AND INSTALL NEW ONES; SALVAGE AND REINSTALL ONLY WHEN SPECIFICALLY INDICATED.
- MECHANICAL CONTRACTOR TO X-RAY SCAN SLAB PRIOR TO CORING.
- SUPPLY AND INSTALL ALL NECESSARY EXPANSION COMPENSATORS, ANCHORS AND ALIGN GUIDES ON ALL HYDRONIC PIPING TO SUIT INSTALLATION. EXPANSION CONTROL SHOWN ON THE DRAWING ONLY SUGGESTS THE DESIGN INTENT.
- ALL THERMOSTATS IN PUBLIC AREAS TO BE EITHER BLANK PLATE-TYPE SENSORS OR PROVIDED WITH PROTECTIVE GUARDS.