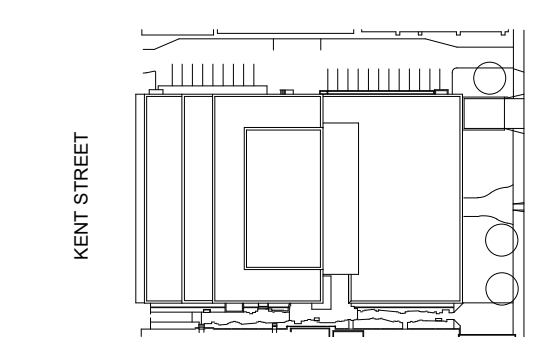


NORR

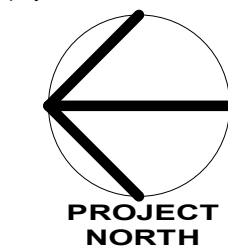
NORR Architects & Engineers Limited
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Toronto, ON Canada M4W 3R8
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Key plan



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

project

DANIEL J MACDONALD
MODERNIZATION

161 GRAFTON STREET
CHARLOTTETOWN, PEI, C1A 1L1

HYDRONIC - THIRD
FLOOR NEW WORK

designed NORR

date 2020-8-31

drawn NORR

date 2020-8-31

approved PF

date 2022-05-27

Tender

Submission

PWGSC Project Manager Administrateur de projets TPSC

project number

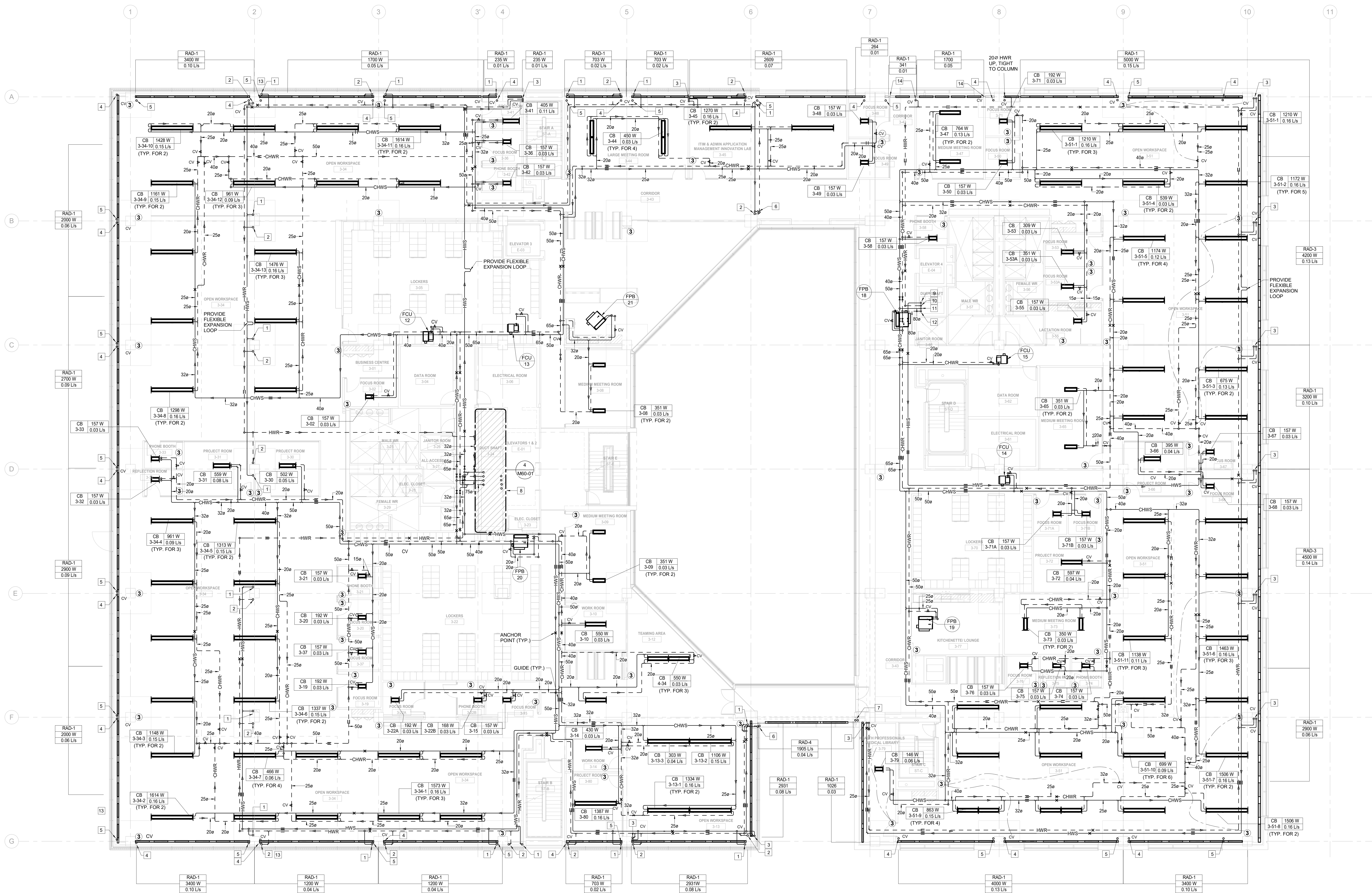
R.056687.005

drawing no.

M53-03

no. du dessin

E-PRM/GDD-E: 553185 v1



DRAWING NOTES:

- 200 HWS UP THROUGH FLOOR TO SERVICE RADIATORS AT LEVEL ABOVE. RE-USE EXISTING FLOOR OPENINGS.
- 200 HWR DOWN THROUGH FLOOR FROM RADIATORS AT LEVEL ABOVE. RE-USE EXISTING FLOOR OPENINGS.
- 200 HWSHWR DOWN TO SERVE RADS.
- 200 HWR DOWN. RE-USE EXISTING FLOOR OPENINGS.
- 200 HWS FROM BELOW. RE-USE EXISTING FLOOR OPENING.
- 200 HWSHWR UP TO SERVE THE SERVICE SPACE RADS. C/W ISOLATION VALVES LOCATED INSIDE THE T-BAR CEILING SPACE. PROVIDE NEW FLOOR OPENINGS, SCAN FLOOR PRIOR TO CORING AND COORDINATE WITH STRUCTURAL.
- 200 HWSHWR FROM BELOW. PROVIDE NEW FLOOR OPENINGS, SCAN FLOOR PRIOR TO CORING AND COORDINATE WITH STRUCTURAL. REFER TO IN-FLOOR RADIATOR PIPING DETAIL.
- FOR HVAC PIPING, PLUMBING PIPING AND HVAC DUCTING WITH RISER SHAFT, REFER TO PART PLAN 3 ON DRAWING M60-01.

DRAWING NOTES:

- 400 HWS FROM BELOW.
- 320 HWR DOWN.
- 1000 CHWS FROM BELOW.
- 1000 CHWR DOWN.
- LEAVE THIS SECTION BLANK. PROVIDE TRIM ONLY TO COVER THE PIPING.
- RUN PIPE THROUGH WALL TO SERVICE 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 HWSHWR 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.

GENERAL NOTES:

- 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 PLenums) SHALL MEET AND EXCEED THE N.B.C. REQUIREMENTS FLAME AND SMOKE SPREAD/DEVELOPMENT RATINGS.
- CONTRACTOR TO PROVIDE CONNECTION TO RELOCATED EXISTING EQUIPMENT AND ADD EQUIPMENT DIRECTLY TO BUILDING HVAC SYSTEM AND UPDATE THE BAS 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.