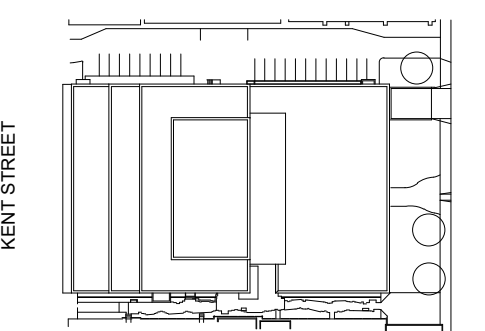


NORR

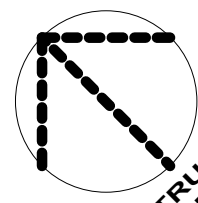
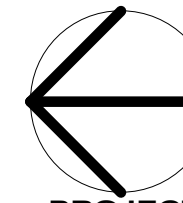
NORR Architects & Engineers Limited
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key plan



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

drawing
**HYDRONIC - FOURTH
FLOOR NEW WORK**

designed NORR

date 2020-8-31

drawn NORR

date 2020-8-31

approved JF

date 2022-05-27

Tender

PWGSOC Project Manager

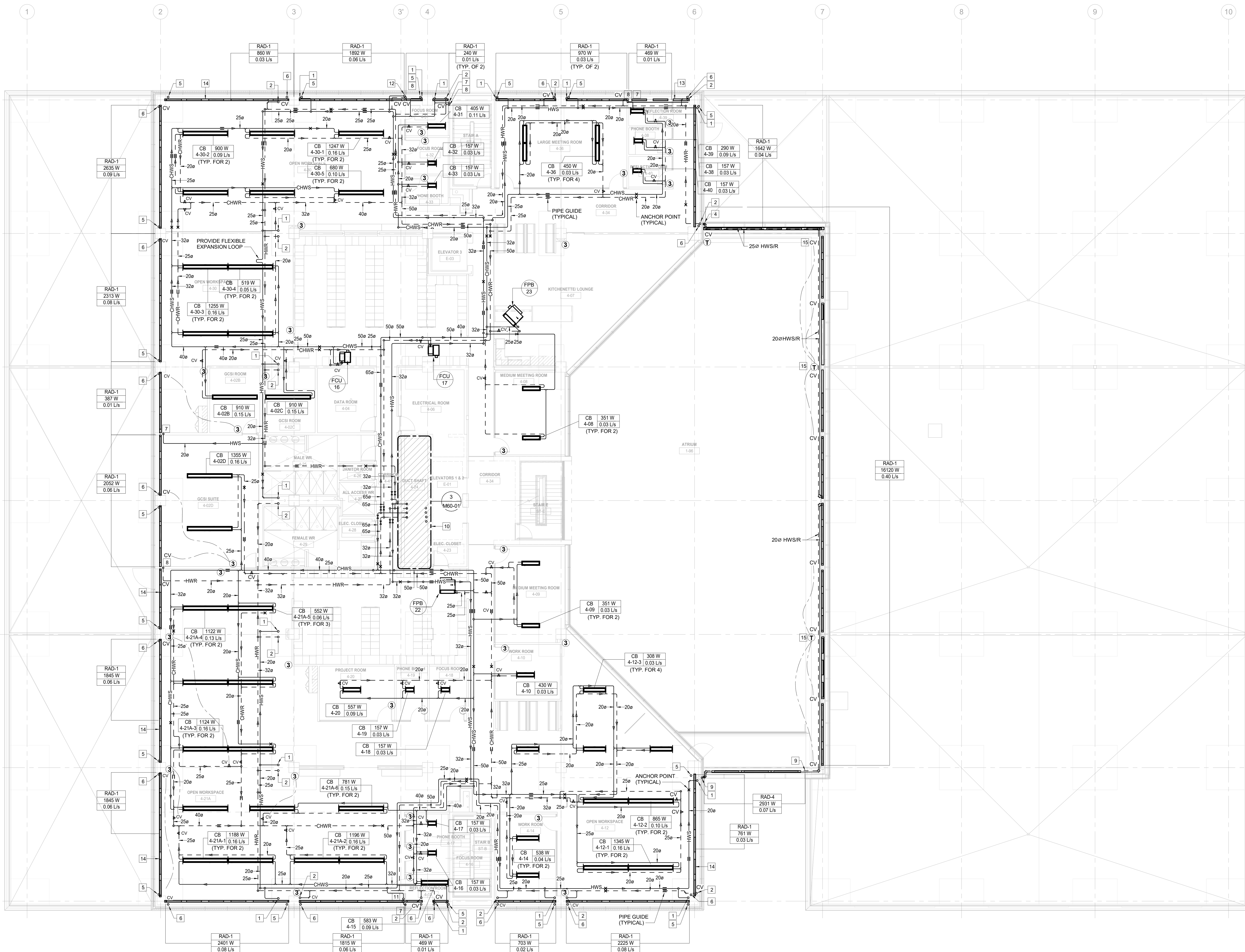
project number

R.056687.005

drawing no.

M53-04

E:DRM/GDD-E: 553185 v1



1 HVAC PIPING FOURTH FLOOR

SCALE: 1:100

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

DRAWING NOTE

- 20ø HWS UP THROUGH FLOOR TO SERVICE RADIATORS AT LEVEL ABOVE. RE-USE EXISTING FLOOR OPENINGS.
- 20ø HWR DOWN THROUGH FLOOR FROM RADIATORS AT LEVEL ABOVE. RE-USE EXISTING FLOOR OPENINGS.
- 20ø HWSHWR DOWN TO SERVE RADS.
- 20ø HWSHWR FROM BELOW TO SERVE THE SERVICE SPACE RADS. PROVIDE NEW FLOOR OPENINGS. SCAN FLOOR PRIOR TO CORING AND COORDINATE WITH STRUCTURAL.
- 20ø HWS FROM BELOW. RE-USE EXISTING FLOOR OPENING.
- 20ø HWR DOWN. RE-USE EXISTING FLOOR OPENING.
- 20ø HWS DOWN TO SERVE RAD.
- 20ø HWR FROM RAD.
- 20ø HWSHWR FROM BELOW TO SERVE RAD-4. PROVIDE NEW FLOOR OPENINGS. SCAN FLOOR PRIOR TO CORING AND COORDINATE WITH STRUCTURAL.
- FOR HVAC PIPING, PLUMBING PIPING AND HVAC DUCTING WITHIN RISER SHAFT, REFER TO PART PLAN 2 ON DRAWING M60-01.

DRAWING NOTE

- 20ø HWS UP THROUGH FLOOR TO SERVICE RADIATORS AT LEVEL ABOVE. PROVIDE NEW FLOOR OPENINGS. SCAN FLOOR PRIOR TO CORING AND COORDINATE WITH STRUCTURAL.
- 20ø HWR THROUGH FLOOR FROM RADIATORS AT LEVEL ABOVE. PROVIDE NEW FLOOR OPENINGS. SCAN FLOOR PRIOR TO CORING AND COORDINATE WITH STRUCTURAL.
- 20ø HWR INSIDE THE WALL TO EXISTING FLOOR OPENING. PROVIDE TRIM TO COVER PIPE AND OPENING AS REQUIRED.
- NO RADIATOR IN THIS SECTION. PROVIDE TRIM TO COVER PIPING.
- PROVIDE WALL PLATE SENSOR (NOT ADJUSTABLE)

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 CW 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 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.