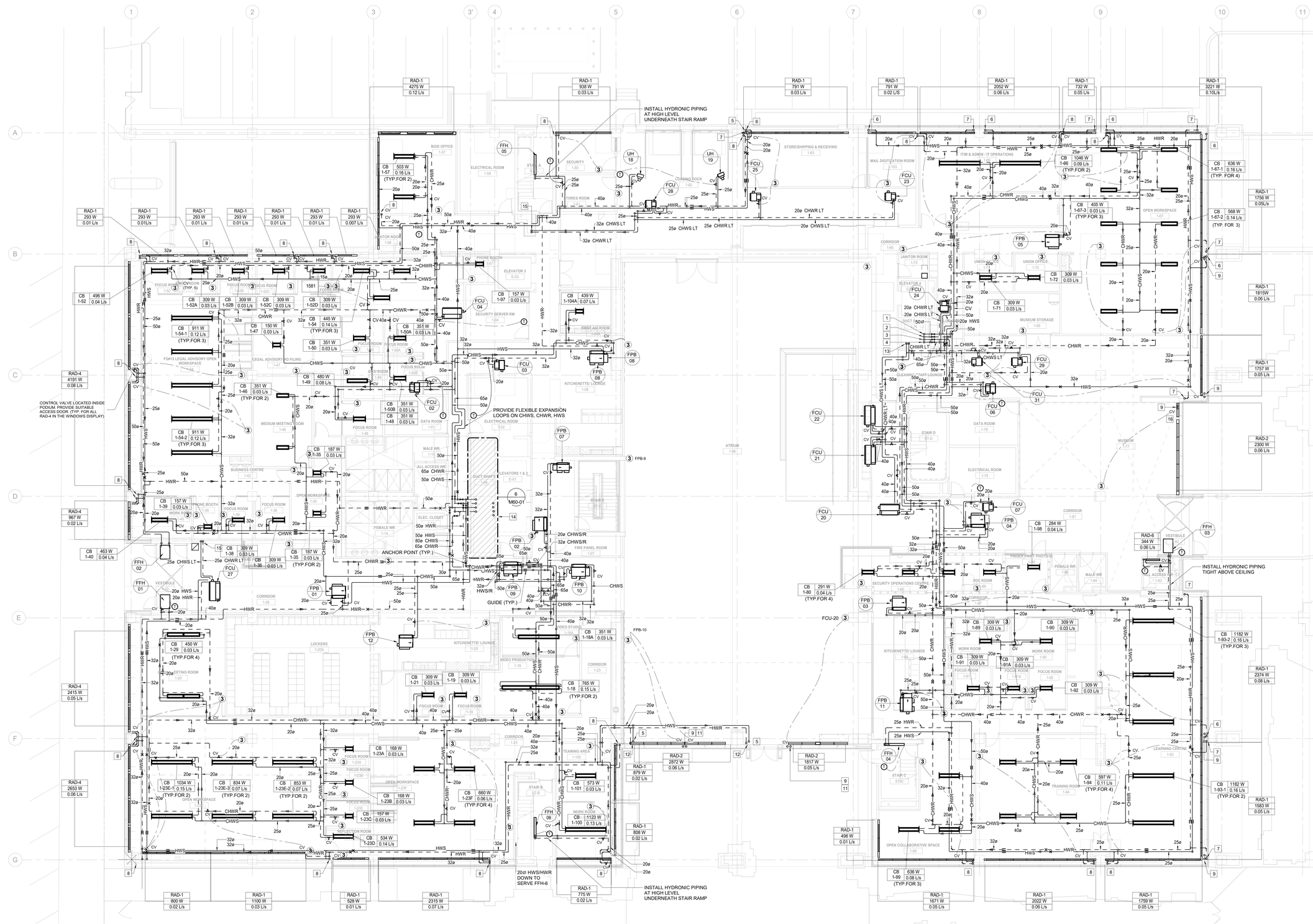

1 M53-01 HVAC PIPING MAIN FLOOR

SCALE : 1:100

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

DRAWING NOTES:

1. 65ø HWS FROM BELOW AND UP.
2. 65ø HWR FROM ABOVE AND DOWN.
3. 65ø CHWS FROM BELOW AND UP.
4. 65ø CHWR FROM ABOVE AND DOWN.
5. PROVIDE NEW FLOOR OPENINGS. SCAN FLOOR PRIOR TO CORING AND COORDINATE WITH STRUCTURAL.
6. 20ø HWS UP THROUGH FLOOR TO SERVICE RADIATORS AT LEVEL ABOVE. RE-USE EXISTING FLOOR OPENINGS.
7. 20ø HWR DOWN THROUGH FLOOR FROM RADIATORS AT LEVEL ABOVE. RE-USE EXISTING FLOOR OPENINGS.
8. 20ø HWS/HWR DOWN TO SERVE RADS.
9. 15ø HWS/HWR FROM PARKING GARAGE. PROVIDE NEW FLOOR OPENING, SCAN FLOOR PRIOR TO CORING AND COORDINATE WITH STRUCTURAL.
10. RESERVED
11. 15ø HWS/HWR FROM BELOW TO SERVE RAD-2.
12. 20ø HWS/HWR UP THROUGH FLOOR TO SERVE RADIATOR AT LEVEL ABOVE. PROVIDE NEW FLOOR OPENING, SCAN FLOOR PRIOR TO CORING AND COORDINATE OPENING WITH RADIATOR LOCATION. PIPING PENETRATES THROUGH FLOOR INTO THE RADIATOR TROUGH
13. 65ø CHWS/CHWR FROM BELOW. 25ø CHWS/R TO LEVEL ABOVE.
14. FOR HVAC PIPING, PLUMBING PIPING AND HVAC DUCTING WITHIN RISER SHAFT, REFER TO PART PLAN 5 ON DRAWING M60-01.
15. 32ø CHWS/CHWR FROM BELOW.
16. RUN PIPE THROUGH INSIDE OF THE WALL TO RADIATORS SECTION BEYOND THE COLUMN

NOTES:

1. PROVIDE RADIATORS TO MEET THE CAPACITY REQUIREMENTS NOTED ON THE DRAWING AND TO COMPLY WITH DIMENSIONS AND TYPE ACCORDING TO THE SCHEDULE.
2. RADIATORS TO BE C/W ALL ACCESSORIES AND TRIMS NECESSARY TO MAINTAIN CONTINUOUS APPEARANCE ALONG EXTERIOR WALLS.
3. INSTAL 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.
4. PROVIDE CONTROL VALVES FOR RADIATORS IN EACH ZONE. REFER TO RADIATOR PIPING DETAILS FOR CONTROL VALVES LOCATION AND PIPING ARRANGEMENTS.
5. 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.

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 SPREAD/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. MECHANICAL CONTRACTOR TO X-RAY SCAN SLAB PRIOR TO CORING.
11. ALL THERMOSTATS IN PUBLIC AREAS TO BE EITHER BLANK PLATE-TYPE SENSORS OR PROVIDED WITH PROTECTIVE GUARDS.

0 10 20mm 40 60 80 100 120 140 160 180 200mm

PWGSC A0 (2004)

Public Works and Government Services Canada
Travaux Publics et Services gouvernementaux Canada

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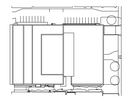
key plan



project and true North

PROJECT NORTH

TRUE NORTH

project legend

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

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

LICENSED PROFESSIONAL ENGINEER PROVINCE OF PRINCE EDWARD ISLAND

Paul Frasie

Digitally signed by Paul Frasie
DN: cn=Paul Frasie, o=NORR Architects & Engineers Limited, ou=Paul Frasie
Date: 2022.06.01 12:23:02-04'00'

revisions		date
0	ISSUED FOR TENDER	2022-05-27

project / projet

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drawing / dessin

HYDRONIC - MAIN FLOOR NEW WORK

designed NORR	concu
date 2020-8-31	
drawn NORR	dessiné
date 2020-8-31	
approved PF	approuvé
date 2022-05-27	
Tender	Soumission
PWGSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.056687.005	
drawing no.	no. du dessin
M53-01	

E-DRM/GDD-E: 553185 v1