

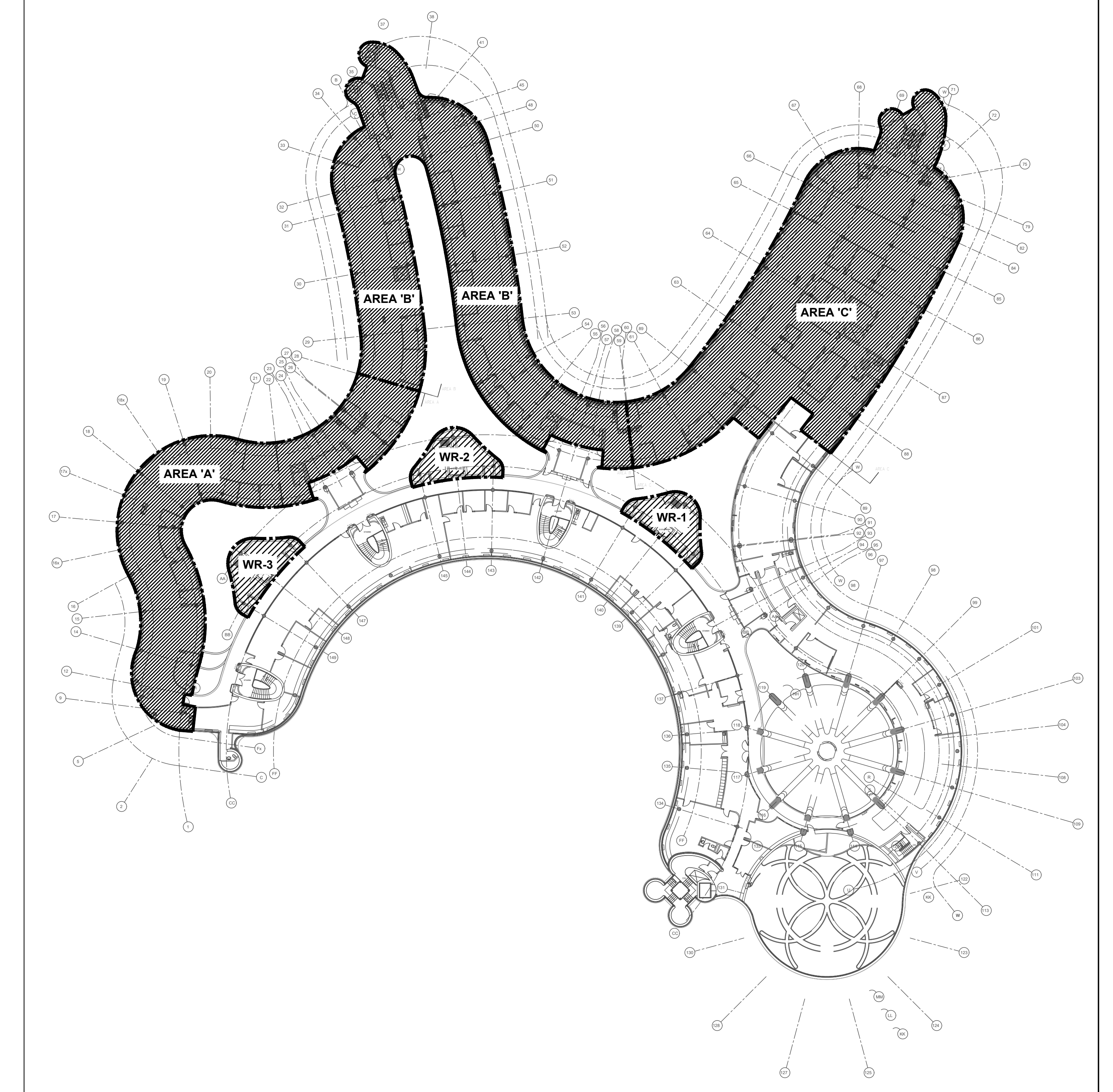


THE REGIONAL MUNICIPALITY OF YORK

YORK REGION ADMINISTRATIVE CENTRE

INTERIOR FIT-UP OF 4TH FLOOR, BLOCK A, B, D & E

17250 YONGE STREET - 4TH FLOOR
NEWMARKET, ONTARIO L3Y 4W5



SCOPE OF WORK - 

CONTENT	ISSUED FOR	DATE	FILE No.
MECHANICAL DRAWINGS	ISSUED FOR TENDER	JUNE 13, 2022	GPY-9907







GPY+ ASSOCIATES ENGINEERING INC.
MECHANICAL CONSULTING ENGINEERS

90C Centurian Drive, Unit #6,
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TEL: (905) 475-3138, FAX: 1(866) 853-3732

E-mail: engineering@gpyengineering.com

[illegible]

ACCESS PANEL	
MPFR AIR NEW SERIES DIFFUSER/BLAD ACCESS PANEL NEW SERIES 16 GAUGE SATIN COAT STEEL DOOR AND 16 GAUGE SATIN COAT STEEL FRAME. GALVANNEED DRUMMET TAPPING BEAD FINISH TO BE PROVIDED. WHITE COAT	

MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	SUPPLY AIR DUCT UP
	SUPPLY AIR DUCT DOWN
	RETURN/EXHAUST AIR DUCT UP
	RETURN/EXHAUST AIR DUCT DOWN
	EXISTING LIGHT TROFFER DIFFUSER
	NEW RETURN AIR GRILLE

	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	NEW SANITARY PIPE
	NEW SANITARY VENT PIPE
	PIPE UP, PIPE DOWN
	CLEANOUT
	A-MINIMUM AIR QUANTITY B-MAXIMUM AIR QUANTITY C-NAV BOX SIZE
	A-SIZE OF DIFFUSER/GRILLE/REGISTER B-AIR QUANTITY (CFM) C-TYPE OF DIFFUSER/GRILLE/REGISTER

WALLFIN HEATER SCHEDULE										BASIS OF DESIGN: RITTLING EQUAL IN ENG. AIR, STERLING	
TAG	TYPE	MODEL	ENCLOSURE (mm) (LxHxW)	TUBE SIZE DIA. (mm)	NO. OF ROWS	CAPACITY (BTU/TT)	FLOW (GPM/TT)	SUPPLY WATER TEMP. (°C)	RETURN WATER TEMP. (°C)	AVERAGE WATER TEMPERATURE (°C)	WALLFIN ELEMENT LENGTH (mm)
WF-1	HYDRONIC	S862-3/4C, 4-1/4, 4-5/8	750x500x140	20	2	995	0.18	60	48.9	54.5	1000
WF-2	HYDRONIC	S862-3/4C, 4-1/4, 4-5/8	500x500x140	20	2	995	0.18	60	48.9	54.5	750

[illegible]


FIXTURE TYPE	WATER SUPPLY		DRAIN	VENT
	HOT	COLD		
S.S. KITCHEN SINK	1/2"	1/2"	1-1/2"	1-1/4"
LAVATORY	1/2"	1/2"	1-1/2"	1-1/4"
WATER CLOSET (FLUSH VALVE)	-	1"	3"	1-1/2"
URINAL (FLUSH VALVE)	-	1"	3"	1-1/2"
FLOOR / HUB DRAIN	-	-	2"	1-1/2"

[illegible]

M-201	PARTIAL 3RD FLOOR CEILING SPACE AREA 'B' - MECHANICAL DEMOLITION PLAN	1:100
M-202	PARTIAL 3RD FLOOR CEILING SPACE AREA 'C' - MECHANICAL DEMOLITION PLAN	
M-203	PARTIAL 4TH FLOOR AREA 'A' - HVAC DEMOLITION PLAN	1:100
M-204	PARTIAL 4TH FLOOR AREA 'B' - HVAC DEMOLITION PLAN	1:100
M-205	PARTIAL 4TH FLOOR AREA 'C' - HVAC DEMOLITION PLAN	1:100

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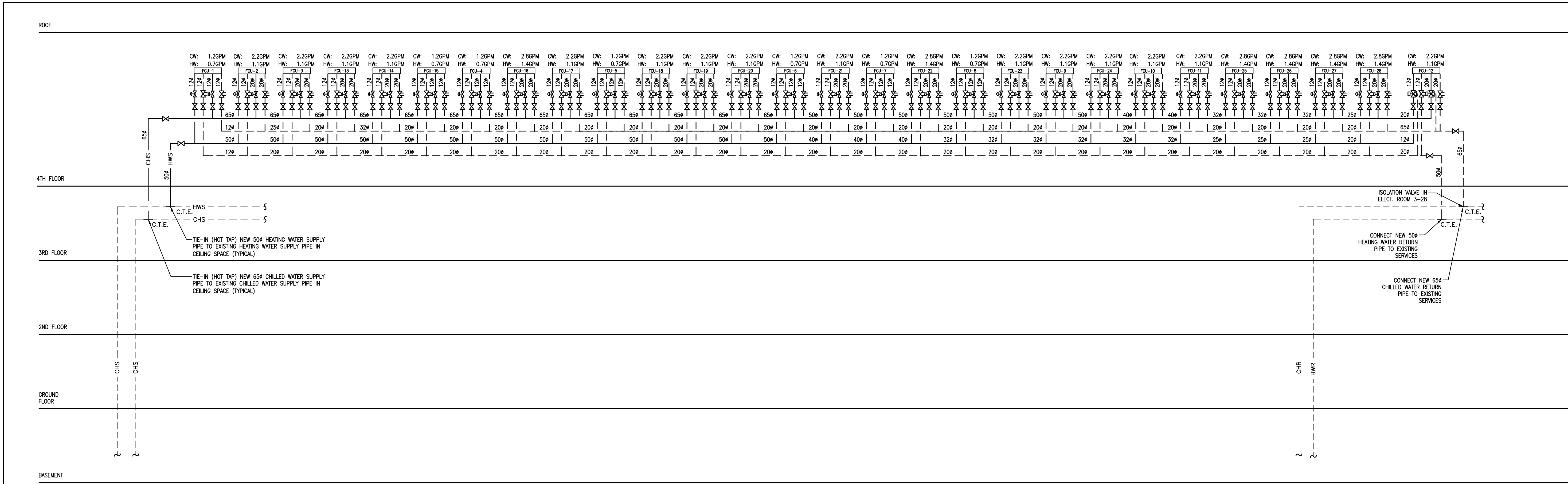
PROJECT #9907

DRAWN BY: **S.P.R./G.G.**

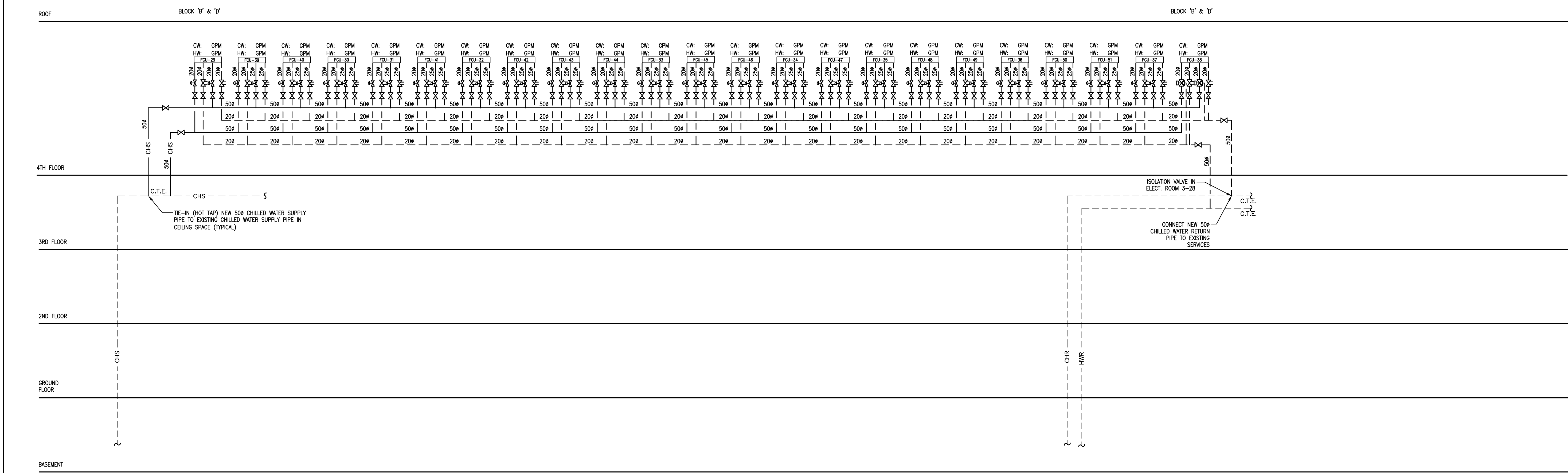
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SHEET NUMBER:

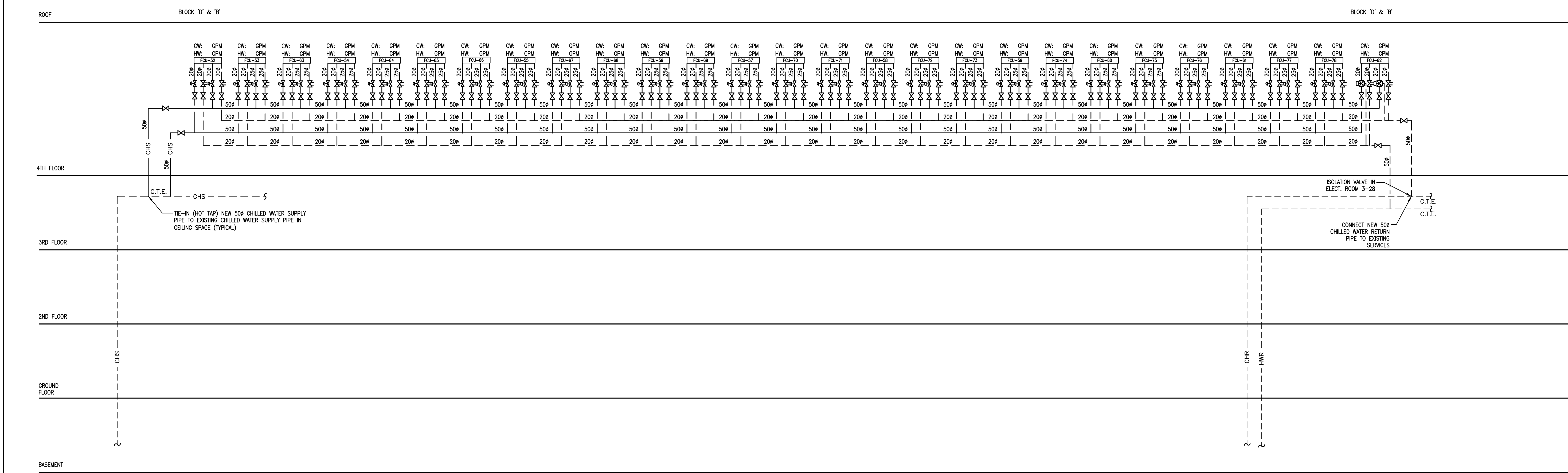
M-100



1 CHILLED & HEATING WATER PIPING SCHEMATIC - 4TH FLOOR BLOCK 'A'
SCALE: N.T.S.



2 CHILLED & HEATING WATER PIPING SCHEMATIC - 4TH FLOOR BLOCK 'D'
SCALE: N.T.S.

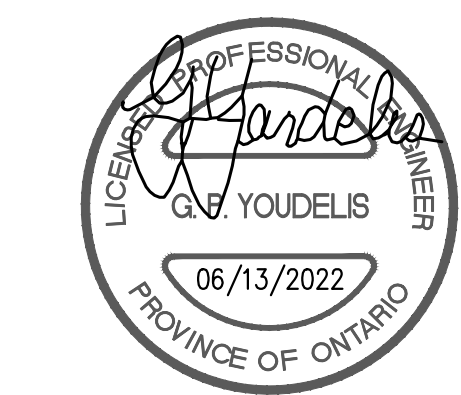


3 CHILLED & HEATING WATER PIPING SCHEMATIC - 4TH FLOOR BLOCK 'D2'
SCALE: N.T.S.

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-04-2022	ISSUED FOR 80% REVIEW
4	06-13-2022	ISSUED FOR TENDER

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PROPERTY SERVICES

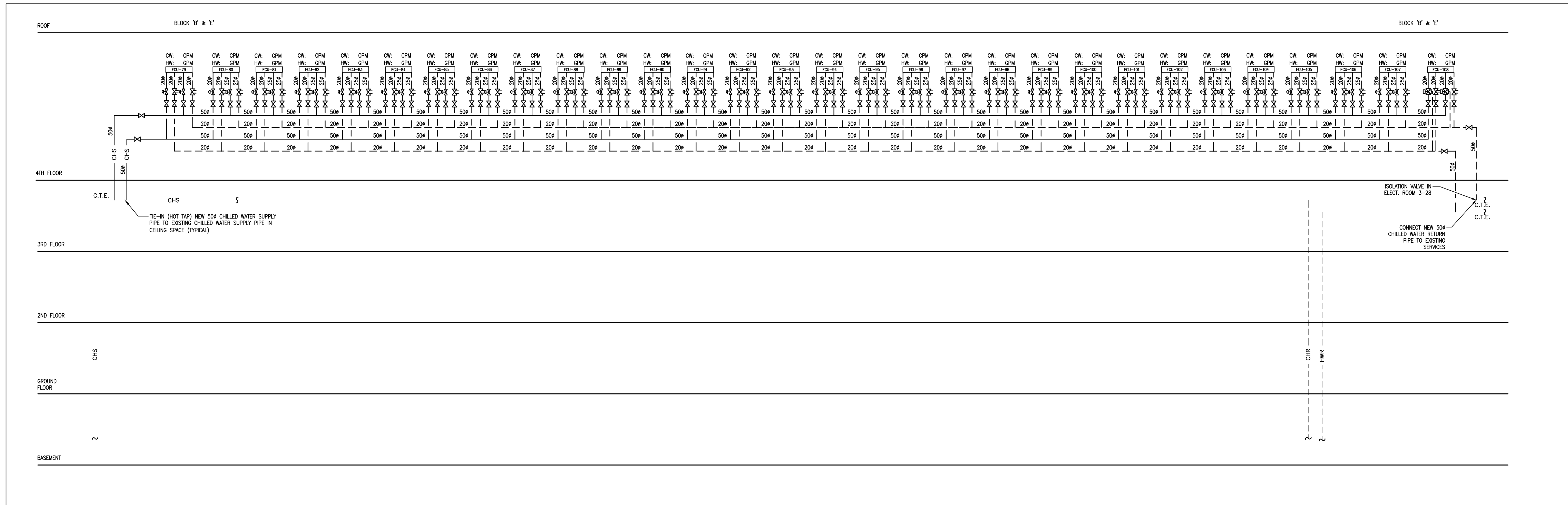
DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907
YORK REGION
Administrative Centre
17250 Yonge Street
Newmarket, Ontario

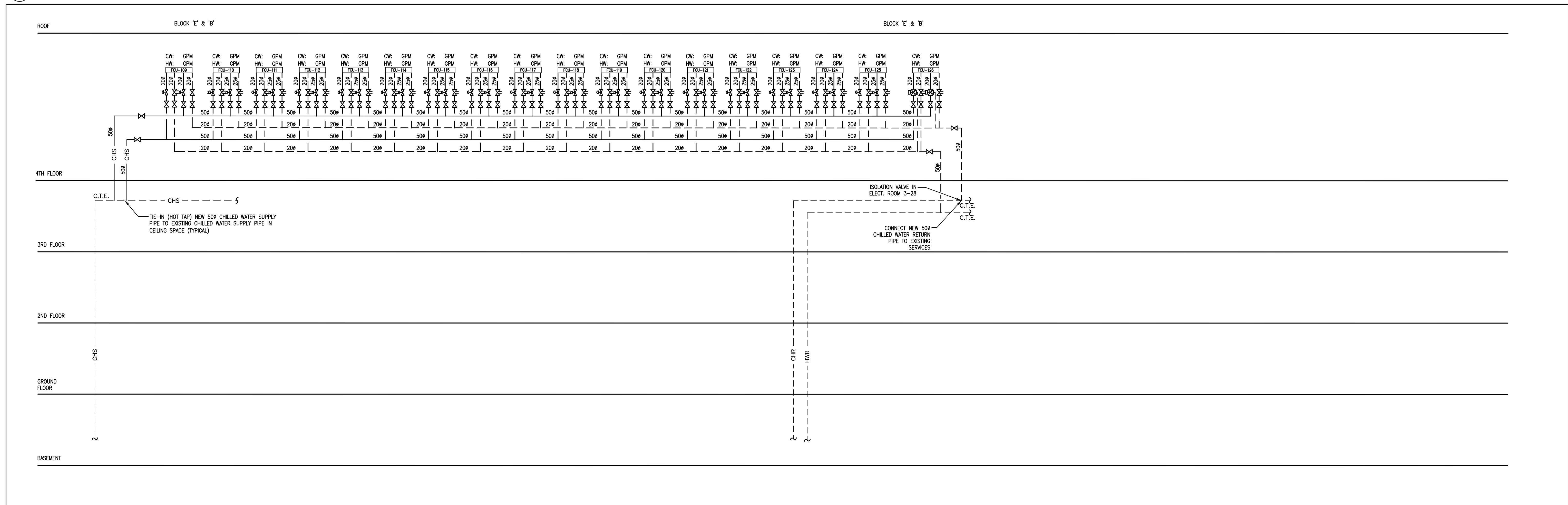
SCALE:	NOT TO SCALE
DRAWN BY:	S.P.R./G.G.
SUBMITTED TO:	MUNICIPALITY OF YORK
SHEET TITLE:	

SCHEMATIC DIAGRAM

SHEET NUMBER:
M-101



1 CHILLED & HEATING WATER PIPING SCHEMATIC - 4TH FLOOR BLOCK 'E'1
M-102 SCALE: N.T.S.



2 CHILLED & HEATING WATER PIPING SCHEMATIC - 4TH FLOOR BLOCK 'E'2
M-102 SCALE: N.T.S.

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

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PROPERTY SERVICES

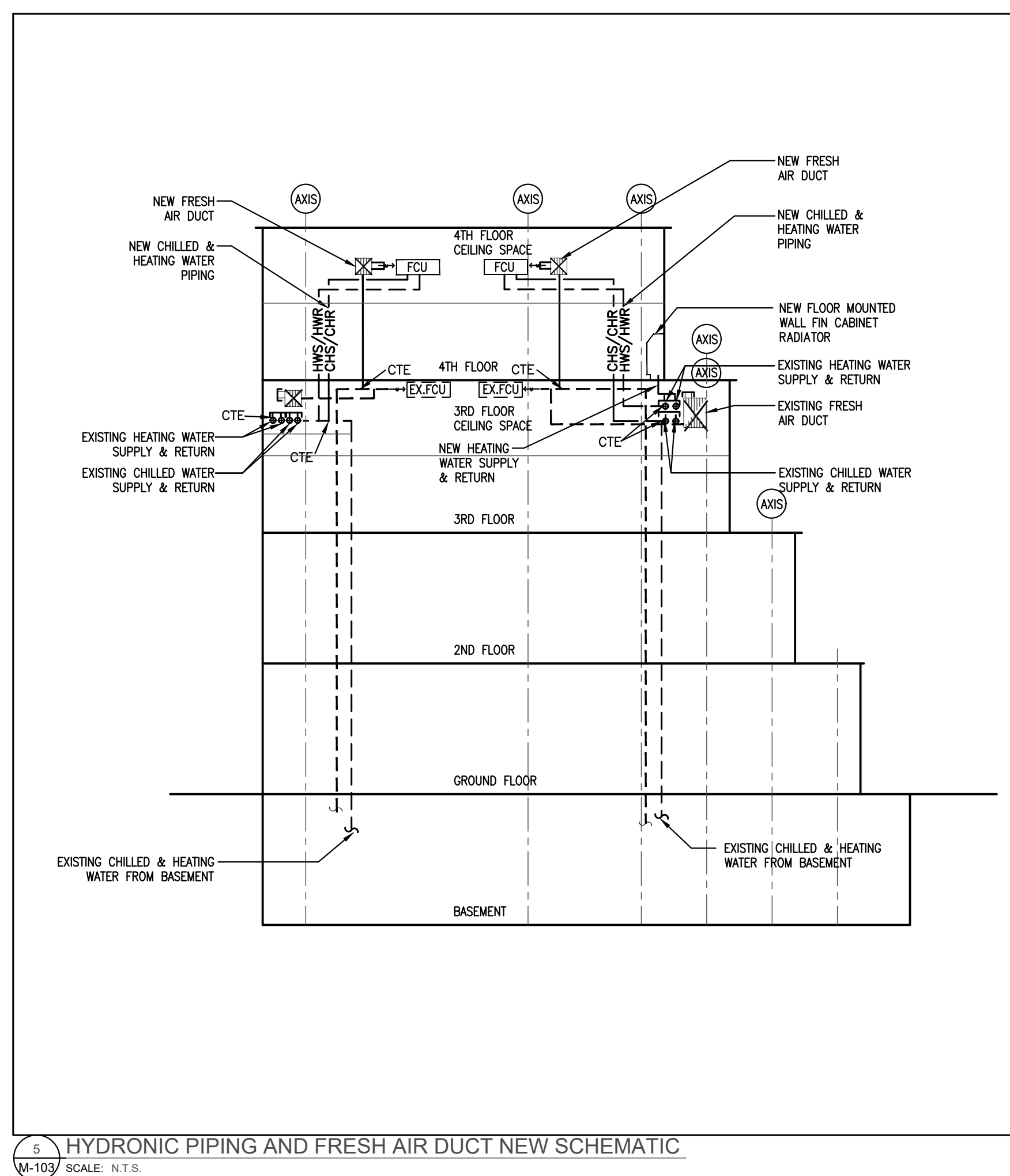
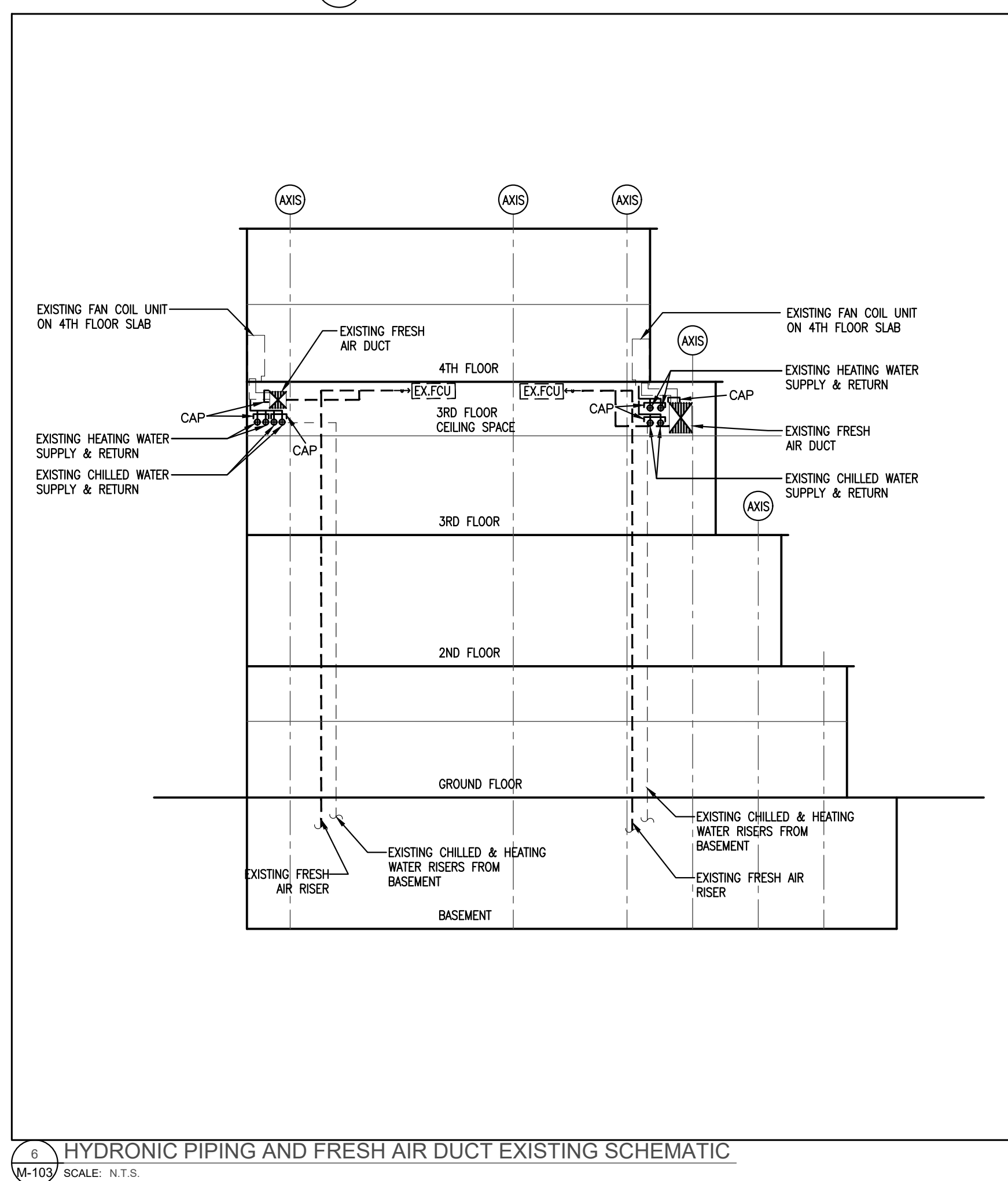
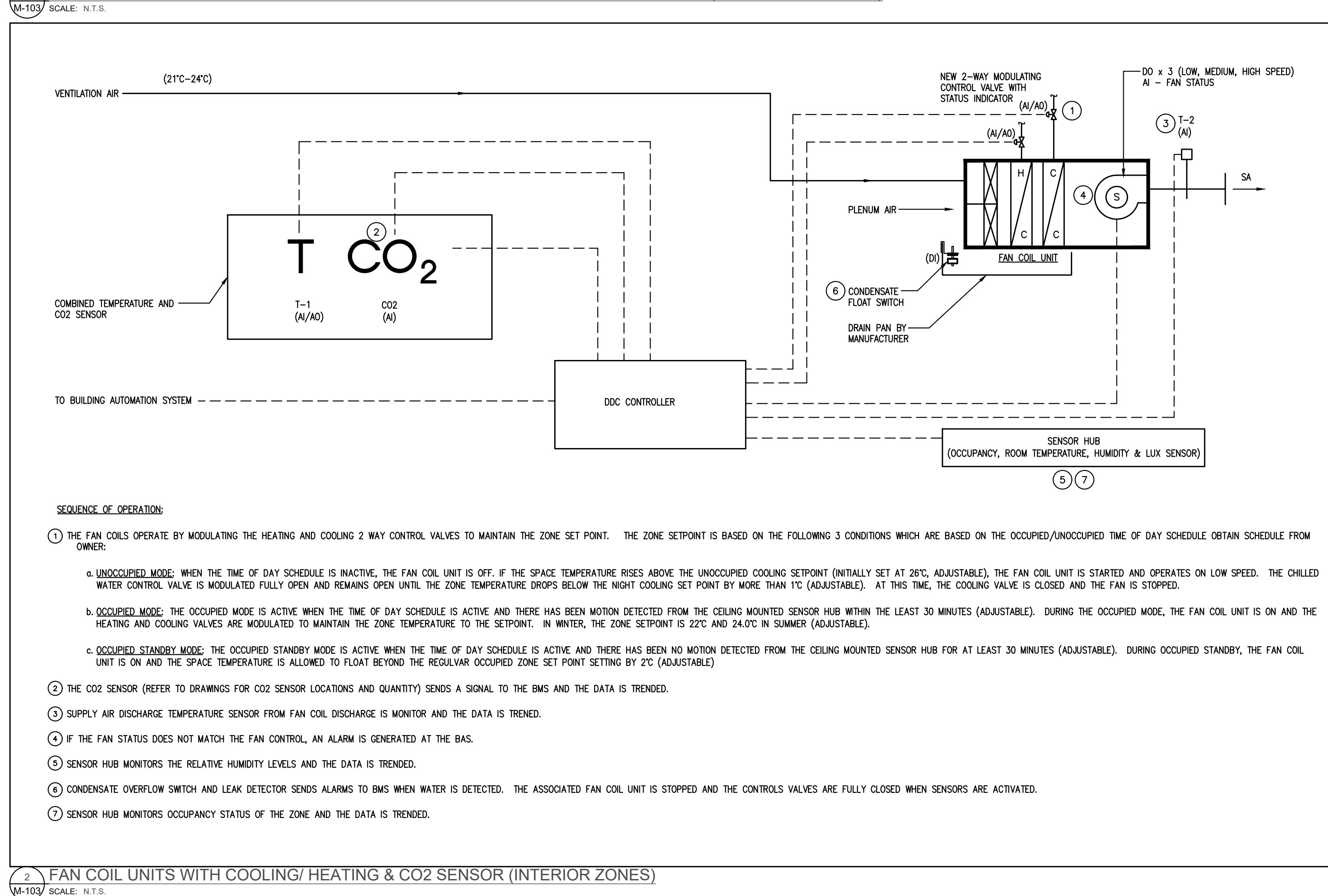
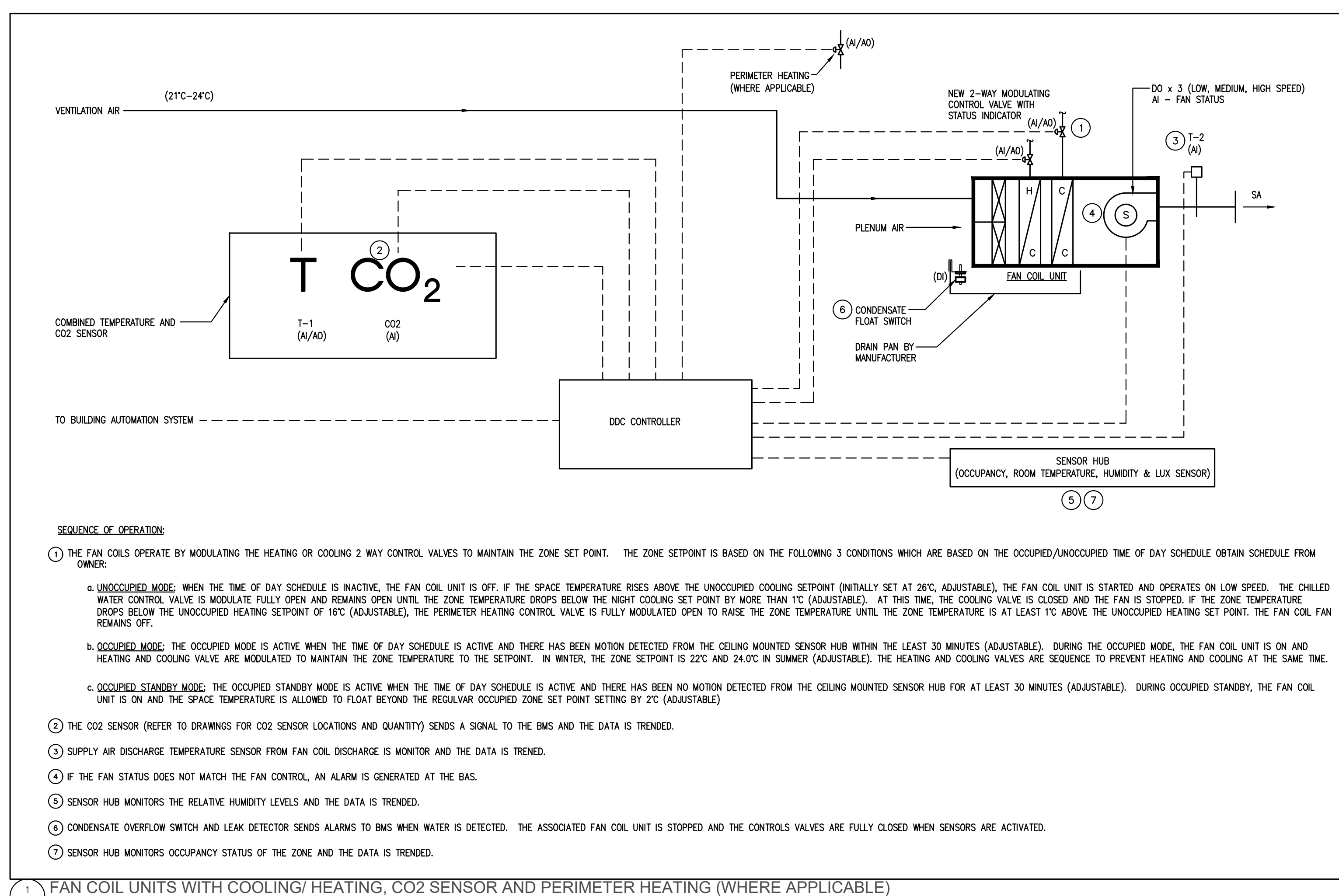
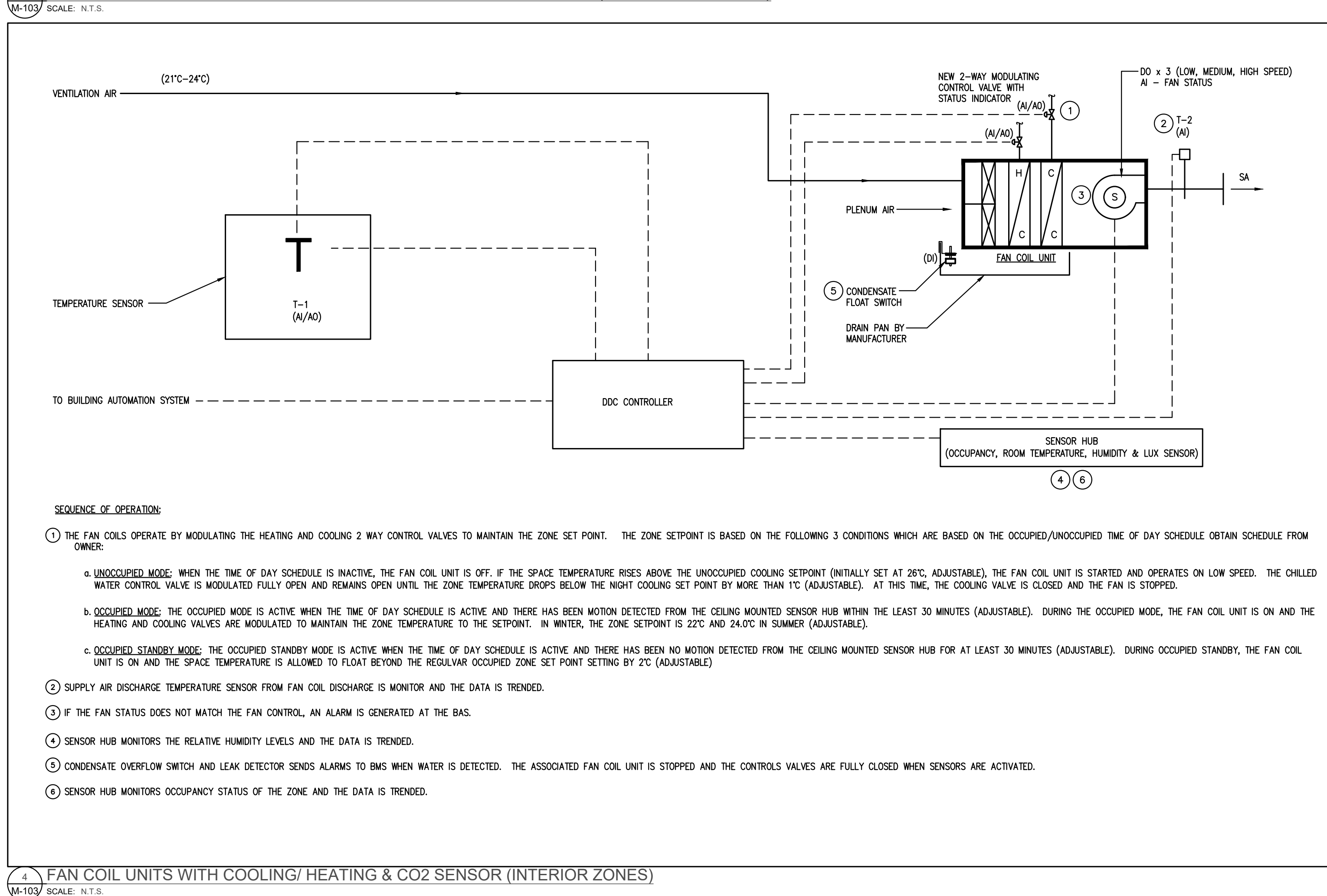
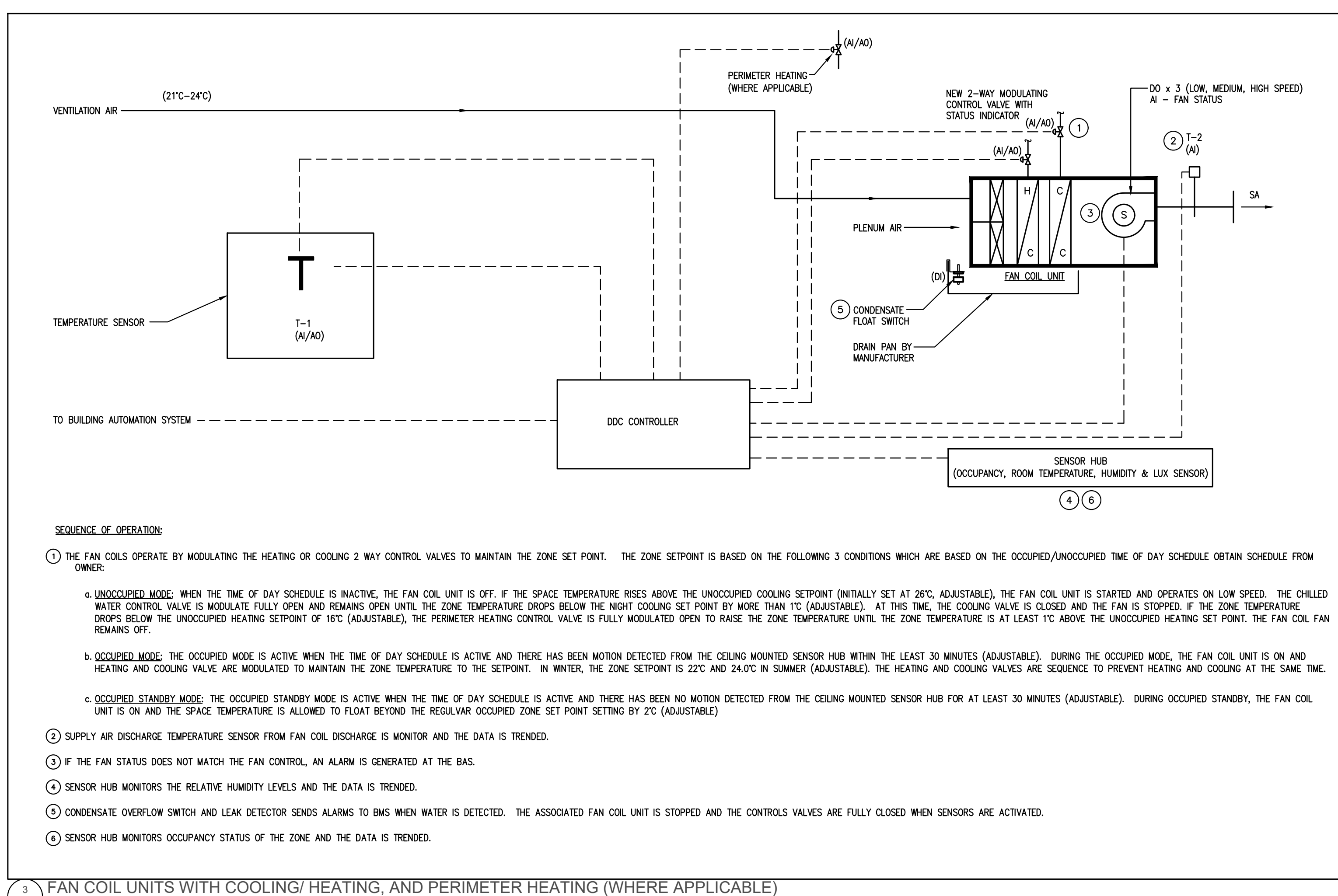
DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907
YORK REGION
Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE:	NOT TO SCALE
DRAWN BY:	S.P.R./G.G.
SUBMITTED TO:	MUNICIPALITY OF YORK
SHEET TITLE:	

SCHEMATIC DIAGRAM

SHEET NUMBER:
M-102



SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

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PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 4TH

BASE DATE: 01-01-2022

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: NOT TO SCALE

DRAWN BY: **S.P.R./G.G.**

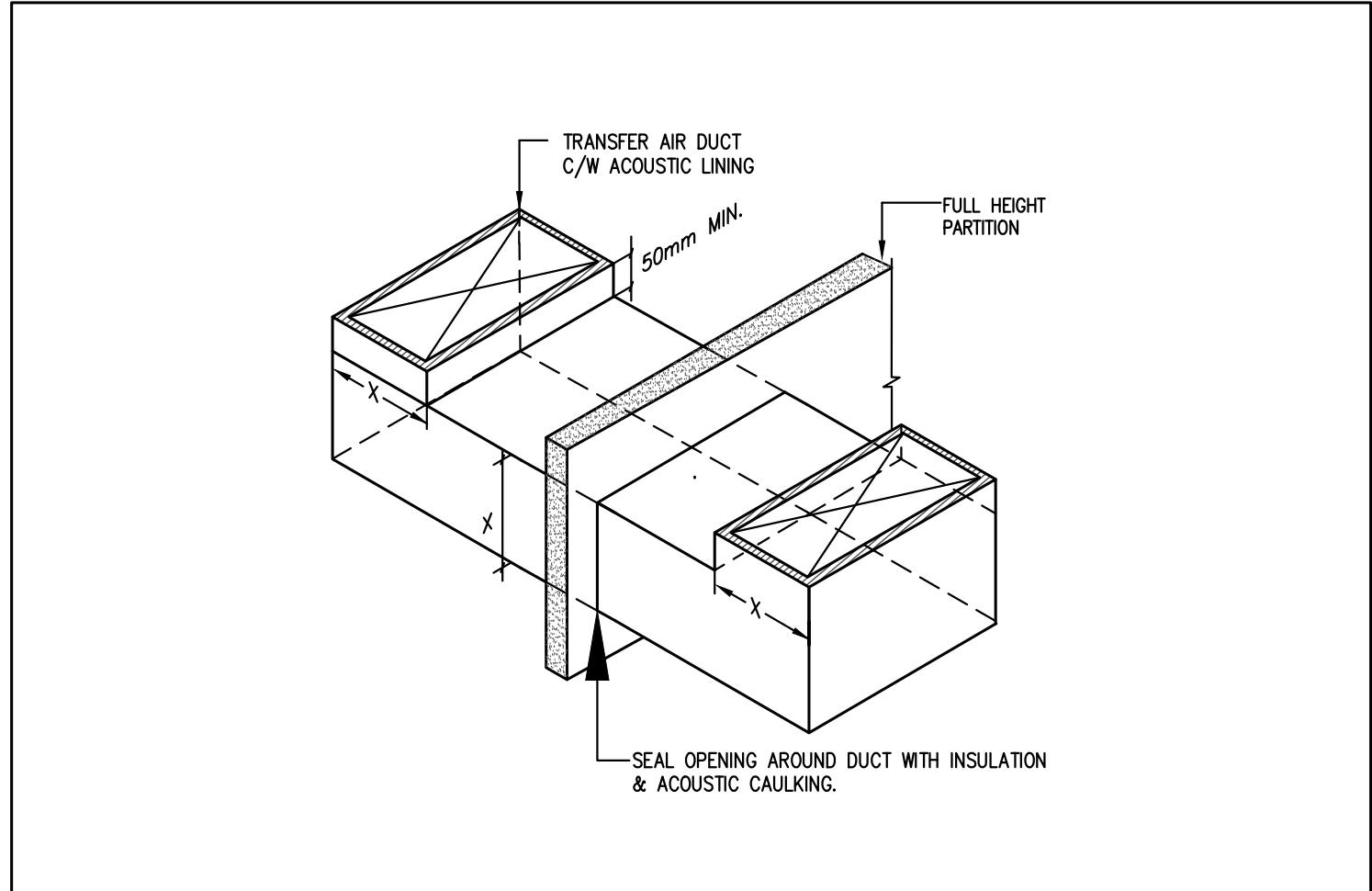
SUBMITTED TO: MUNICIPALITY OF YORK

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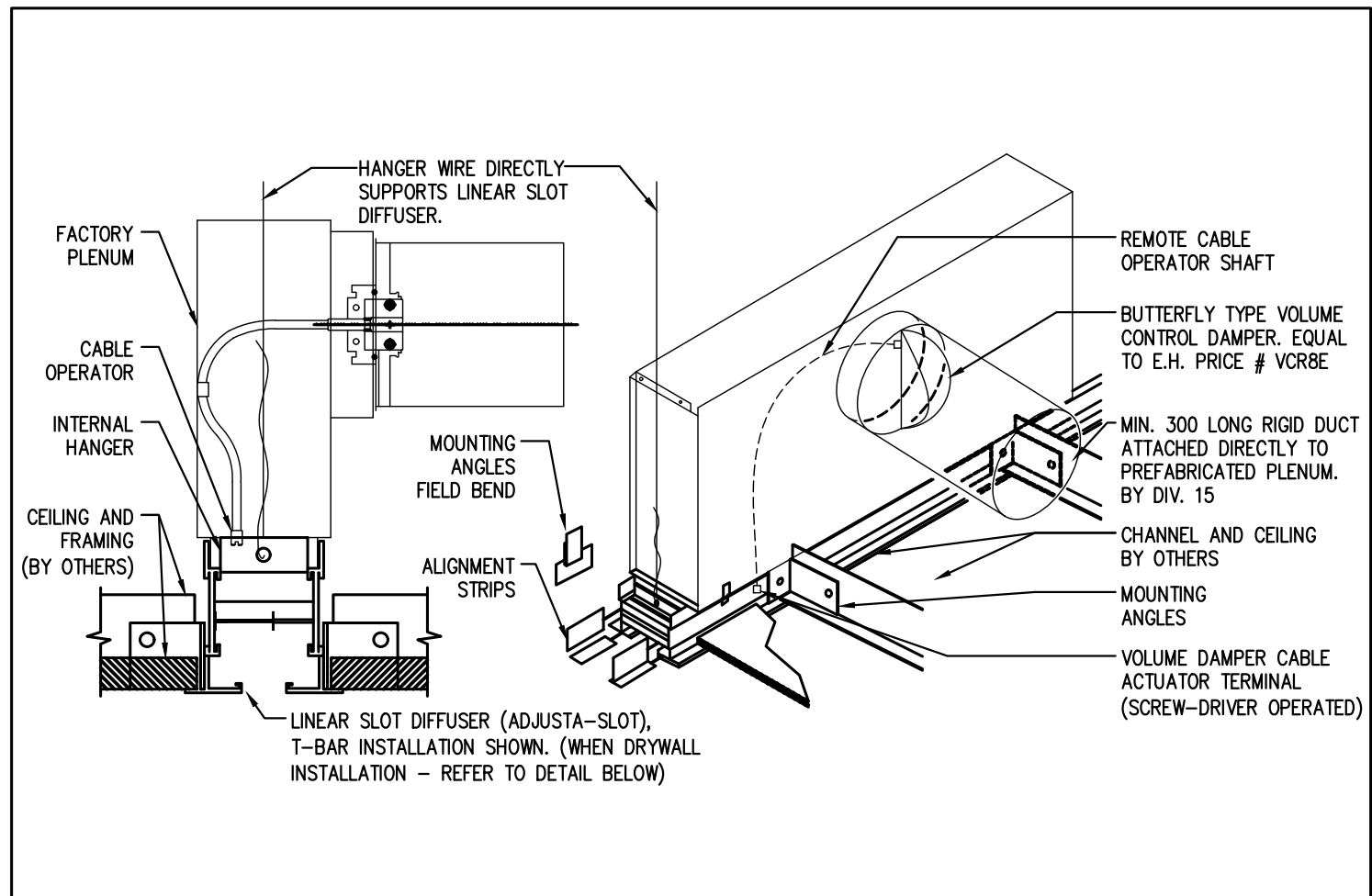
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SHEET NUMBER:

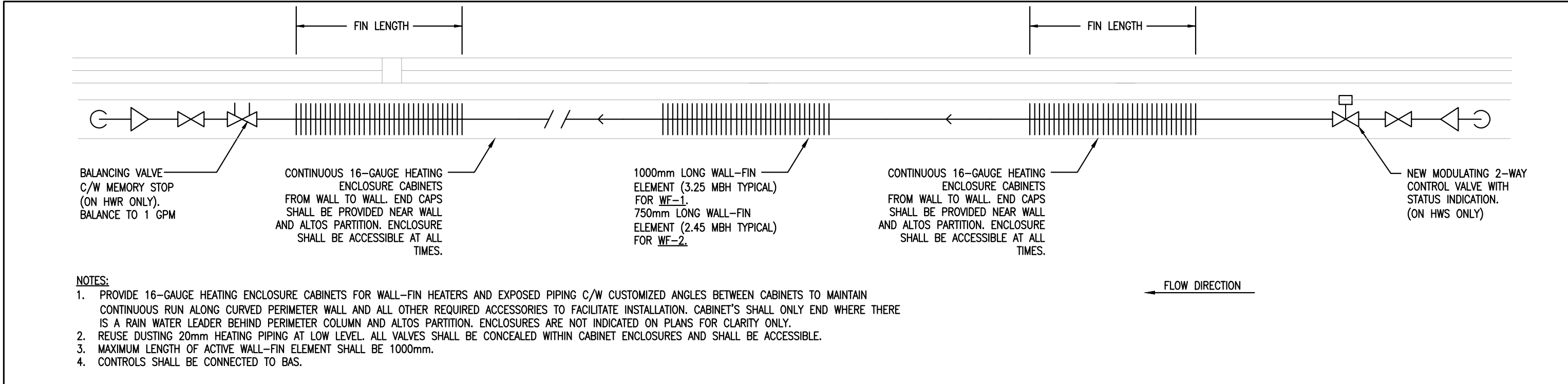
M-103



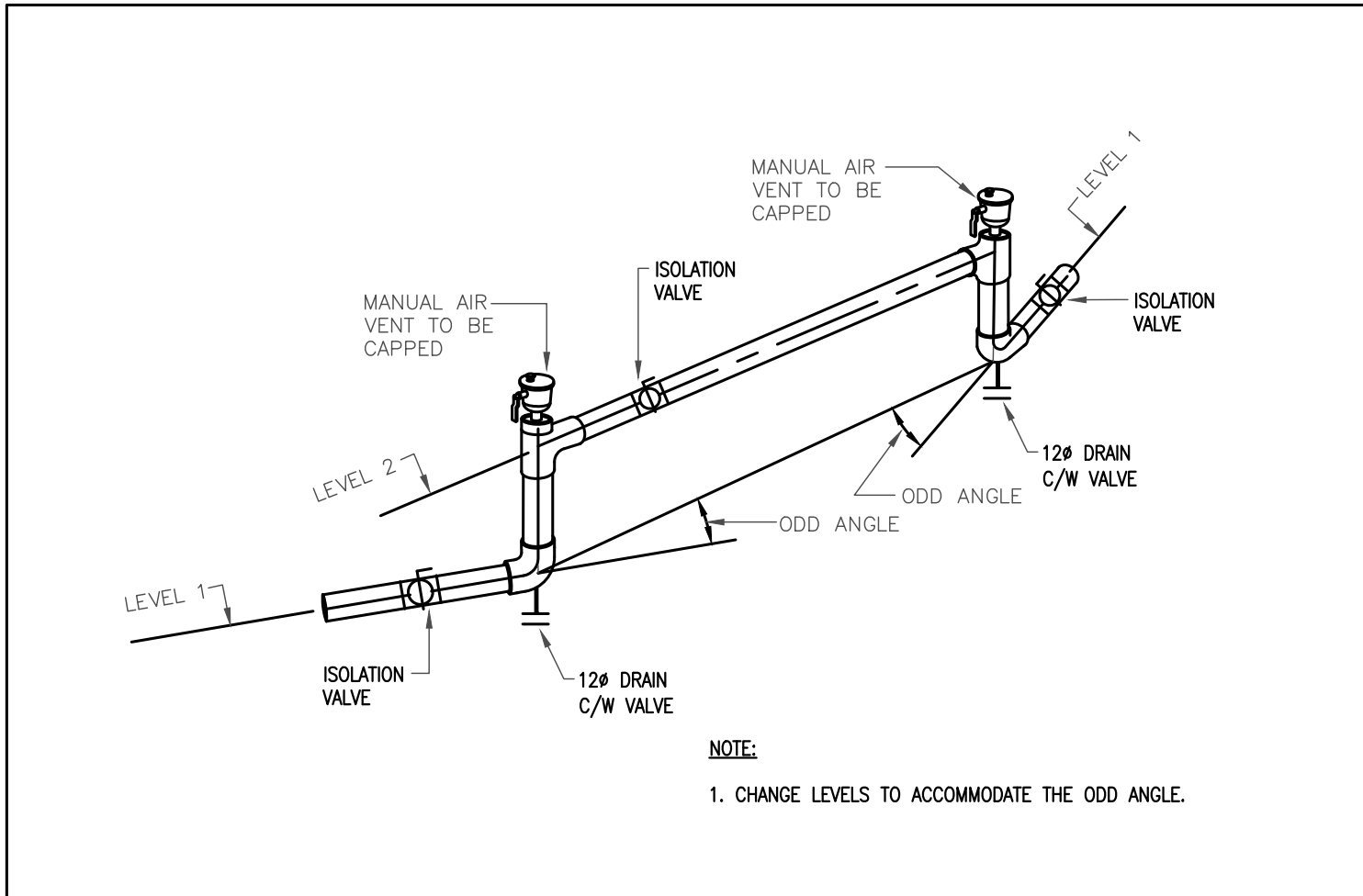
14 ACoustic Transfer Air Duct Installation Detail
M-104 SCALE: N.T.S.



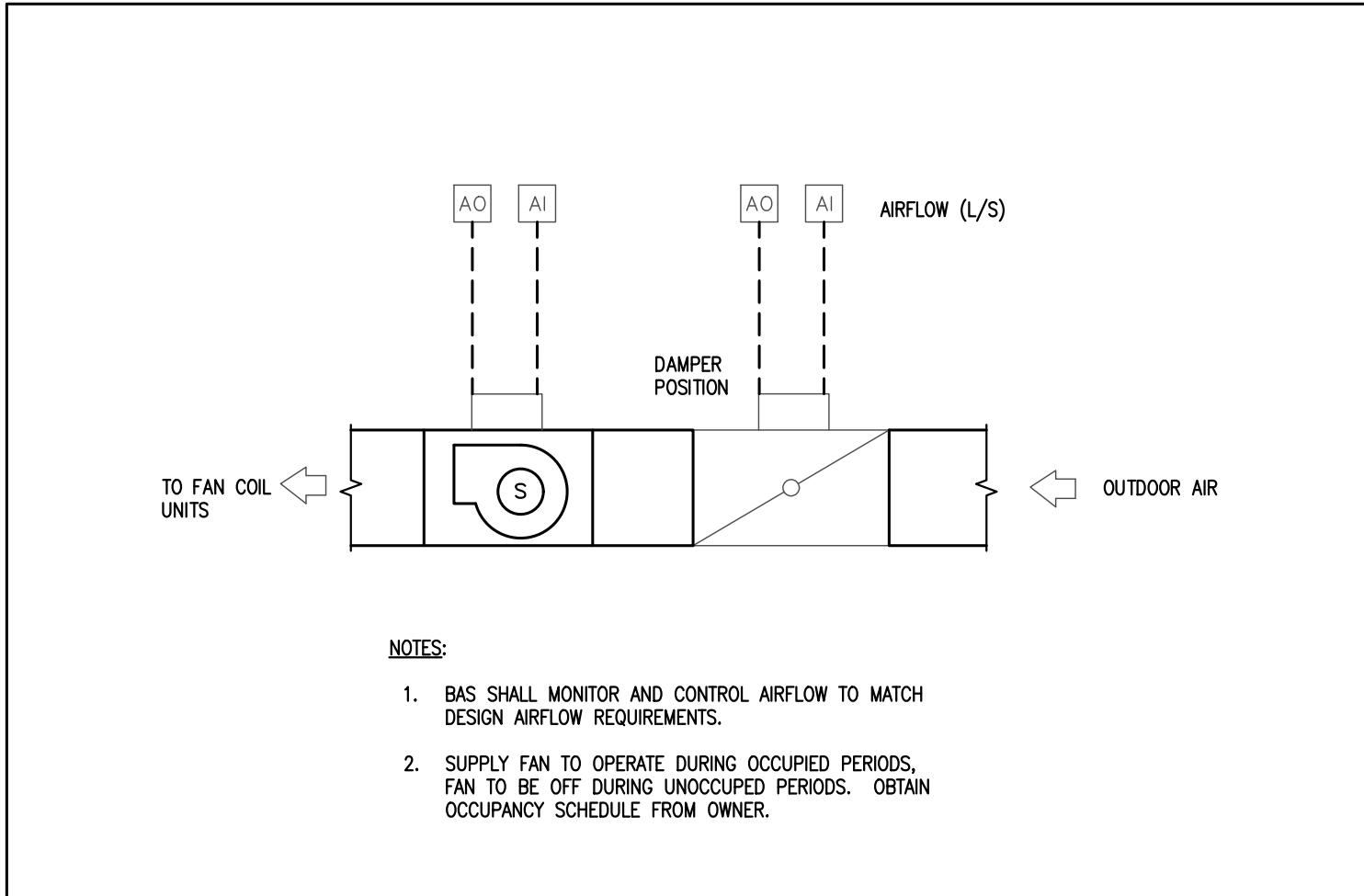
15 TYPE 'L' (ADJUSTA-SLOT LINEAR DIFFUSER) INSTALLATION DETAIL
M-104 SCALE: N.T.S.



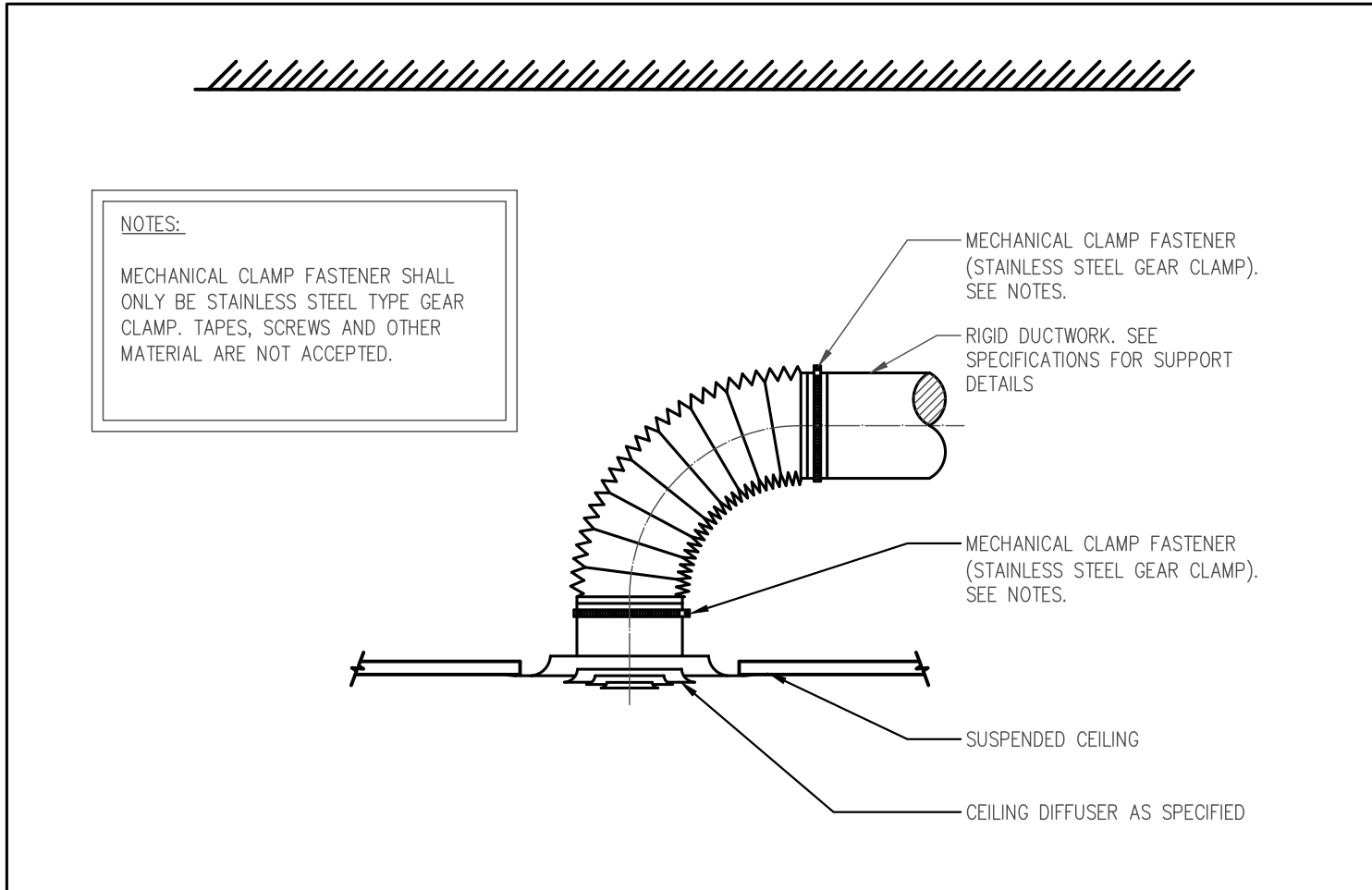
16 PERIMETER WALL-FIN HEATERS
M-104 SCALE: N.T.S.



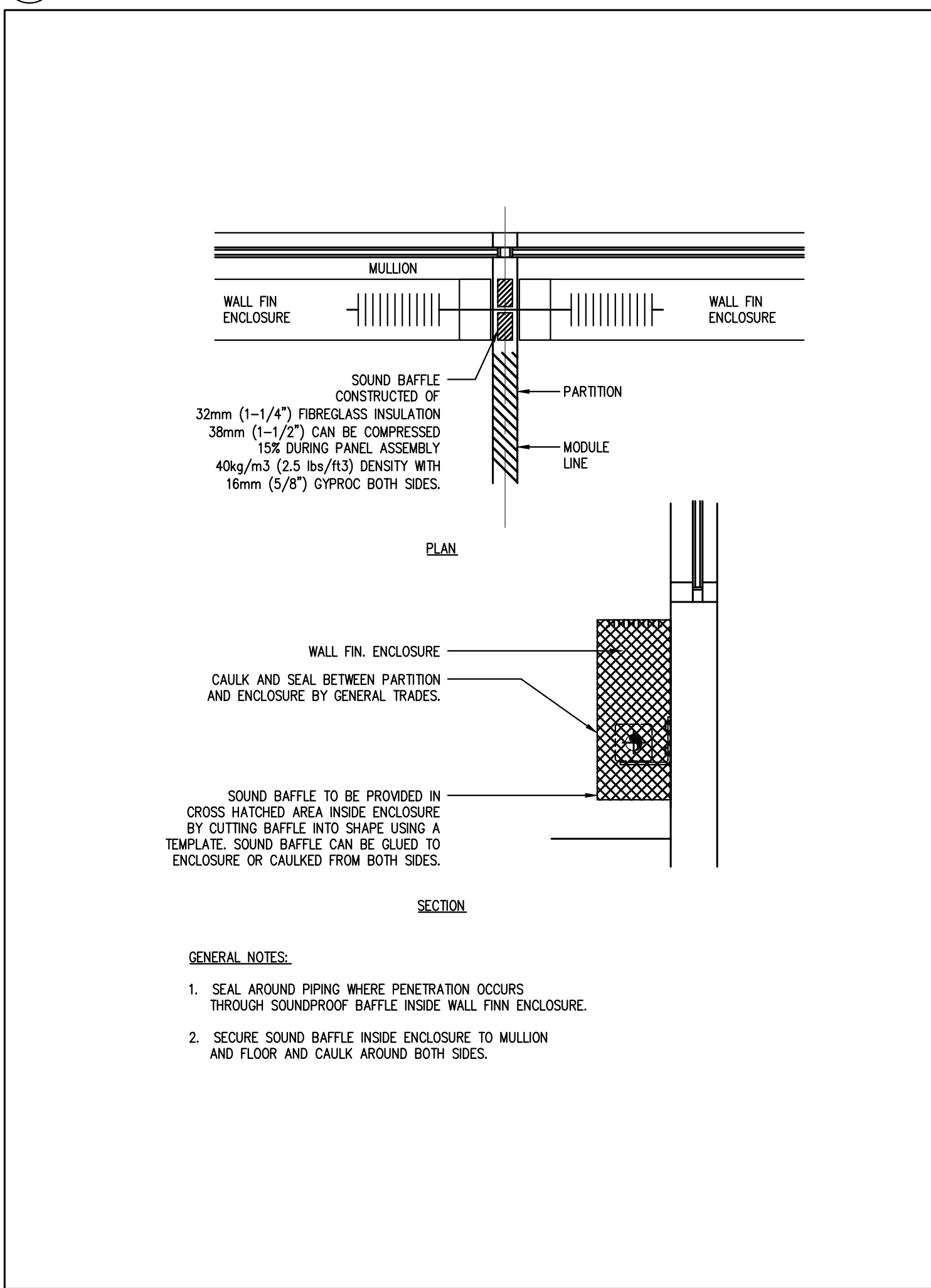
17 CHILLED WATER PIPING ODD ANGLES INSTALLATION DETAIL
M-104 SCALE: N.T.S.



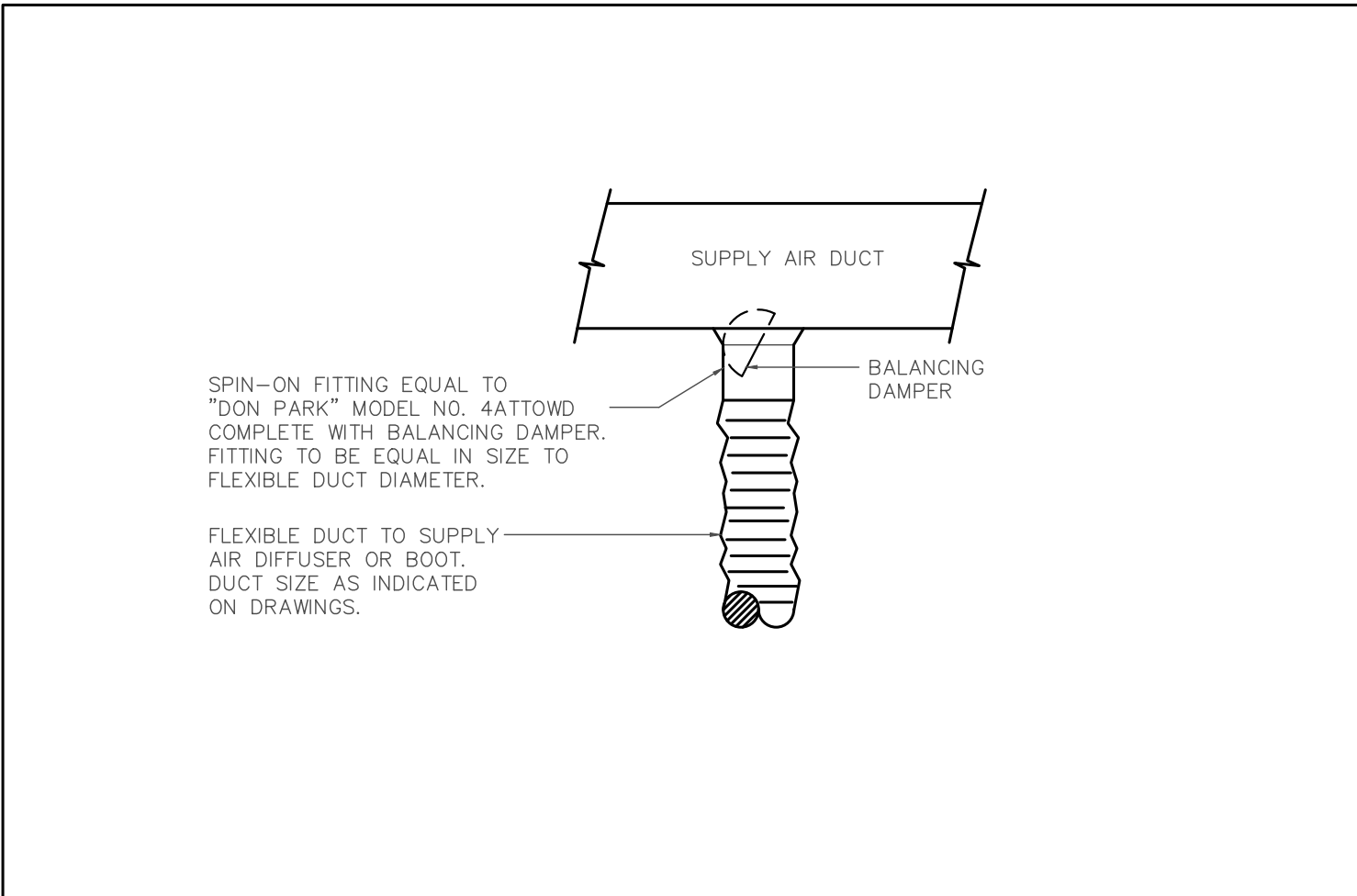
18 FRESH AIR SUPPLY FAN CONTROL DIAGRAM
M-104 SCALE: N.T.S.



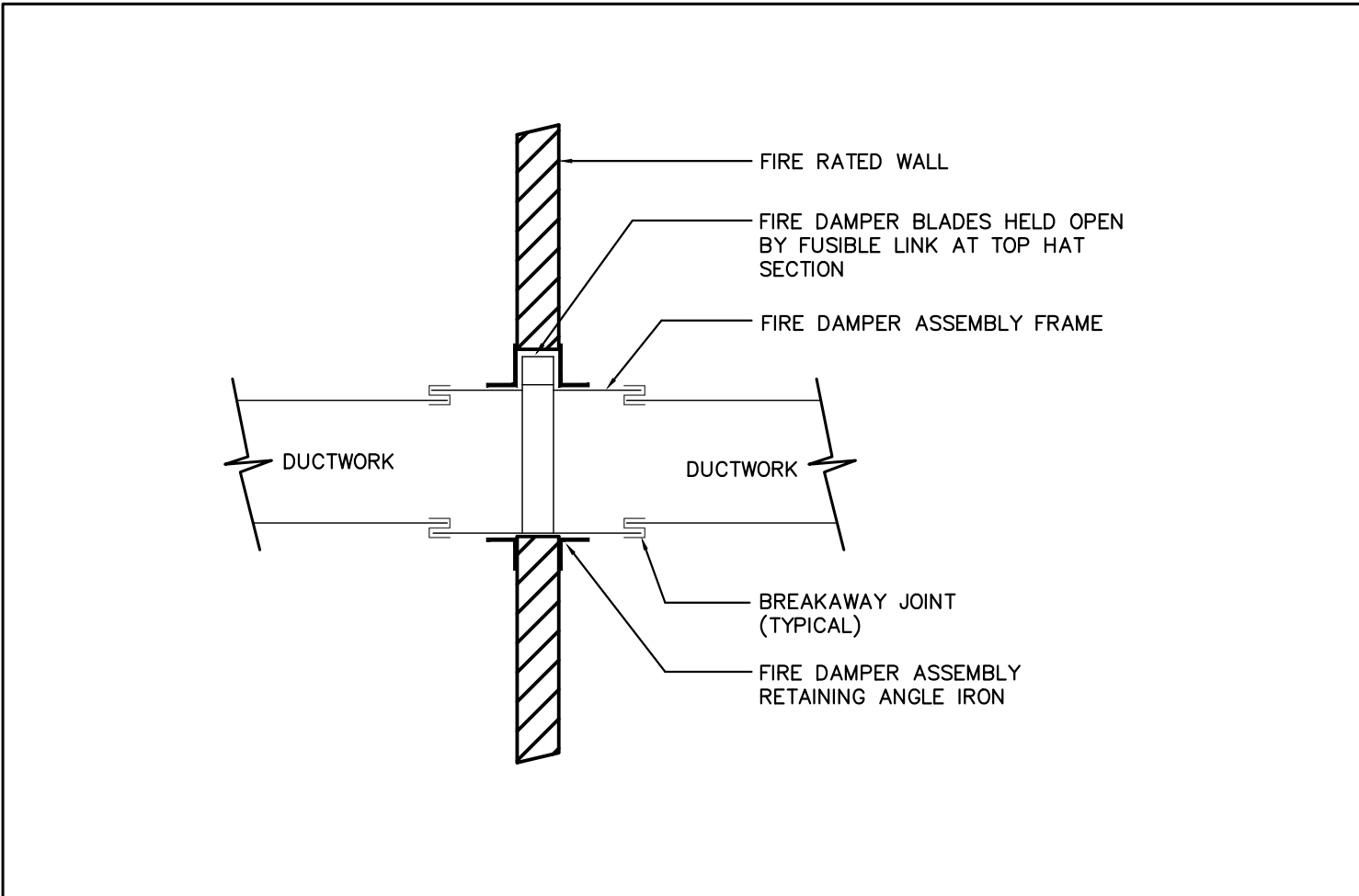
19 TYPICAL DIFFUSER & FLEXIBLE DUCT CONNECTION
M-104 SCALE: N.T.S.



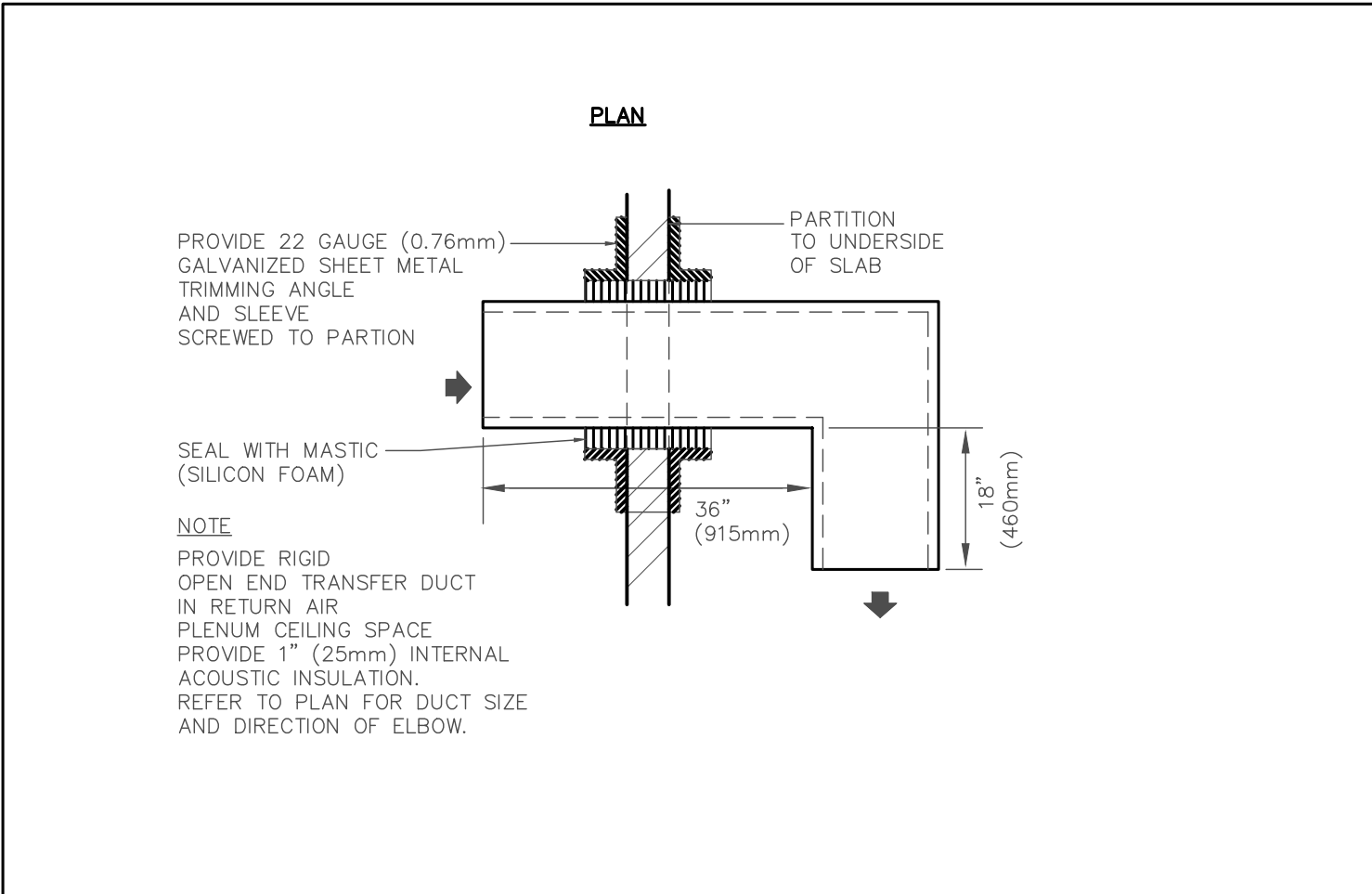
20 WALL FIN ENCLOSURE SOUND Baffle AT DEMISING WALLS
M-104 SCALE: N.T.S.



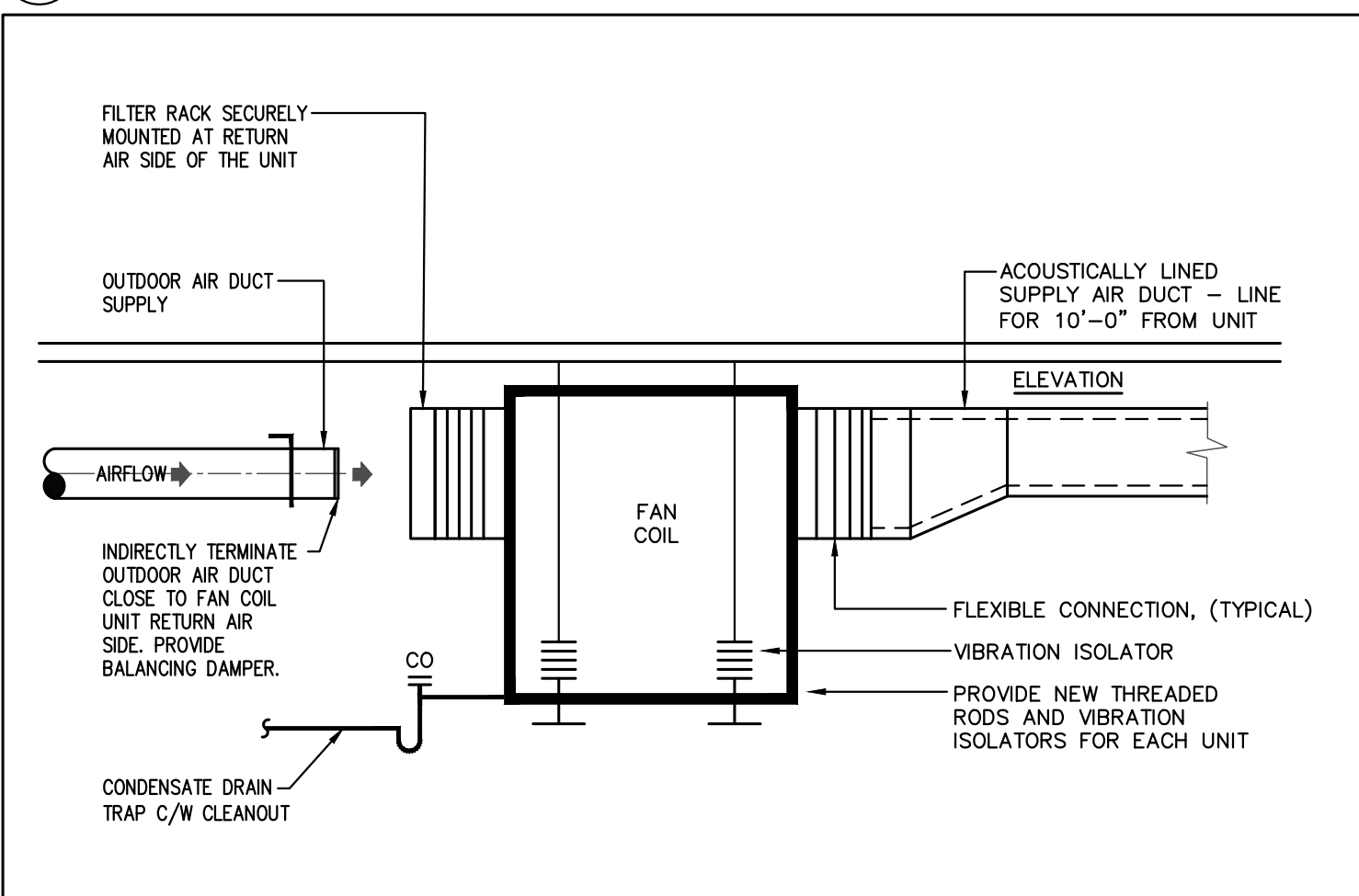
21 TYPICAL SPIN-ON FITTING DETAIL
M-104 SCALE: N.T.S.



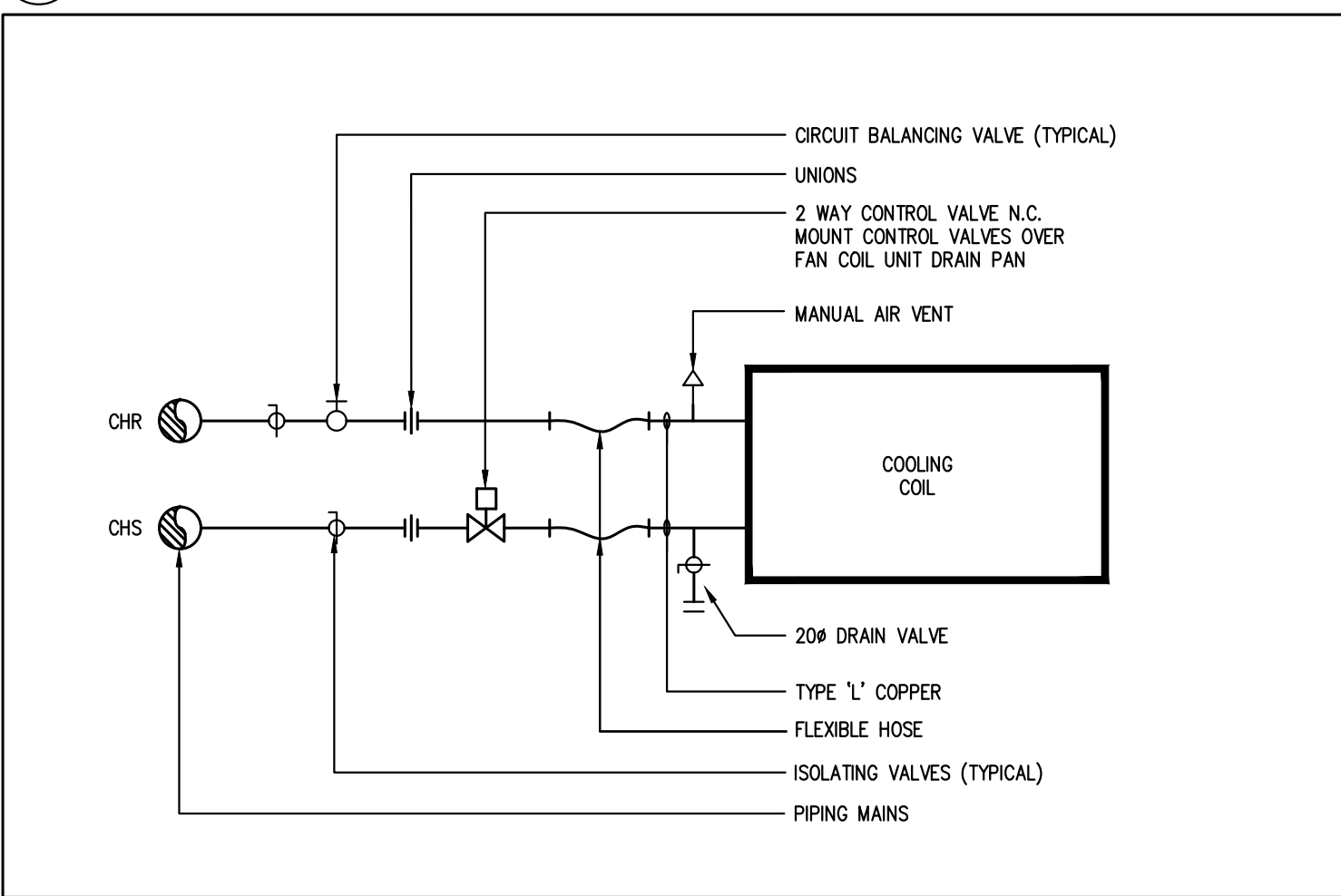
22 DETAIL OF FIRE DAMPER INSTALLATION
M-104 SCALE: N.T.S.



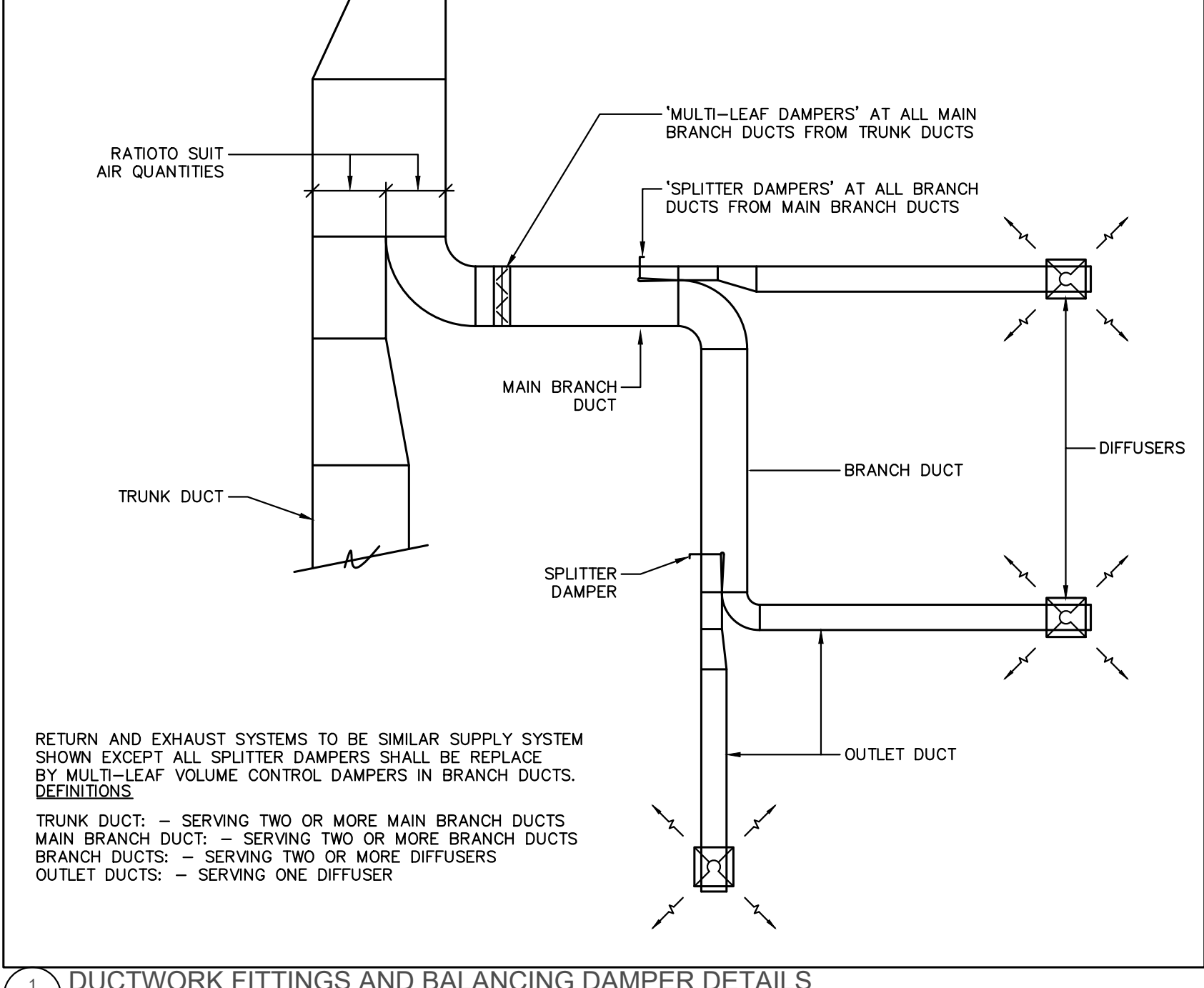
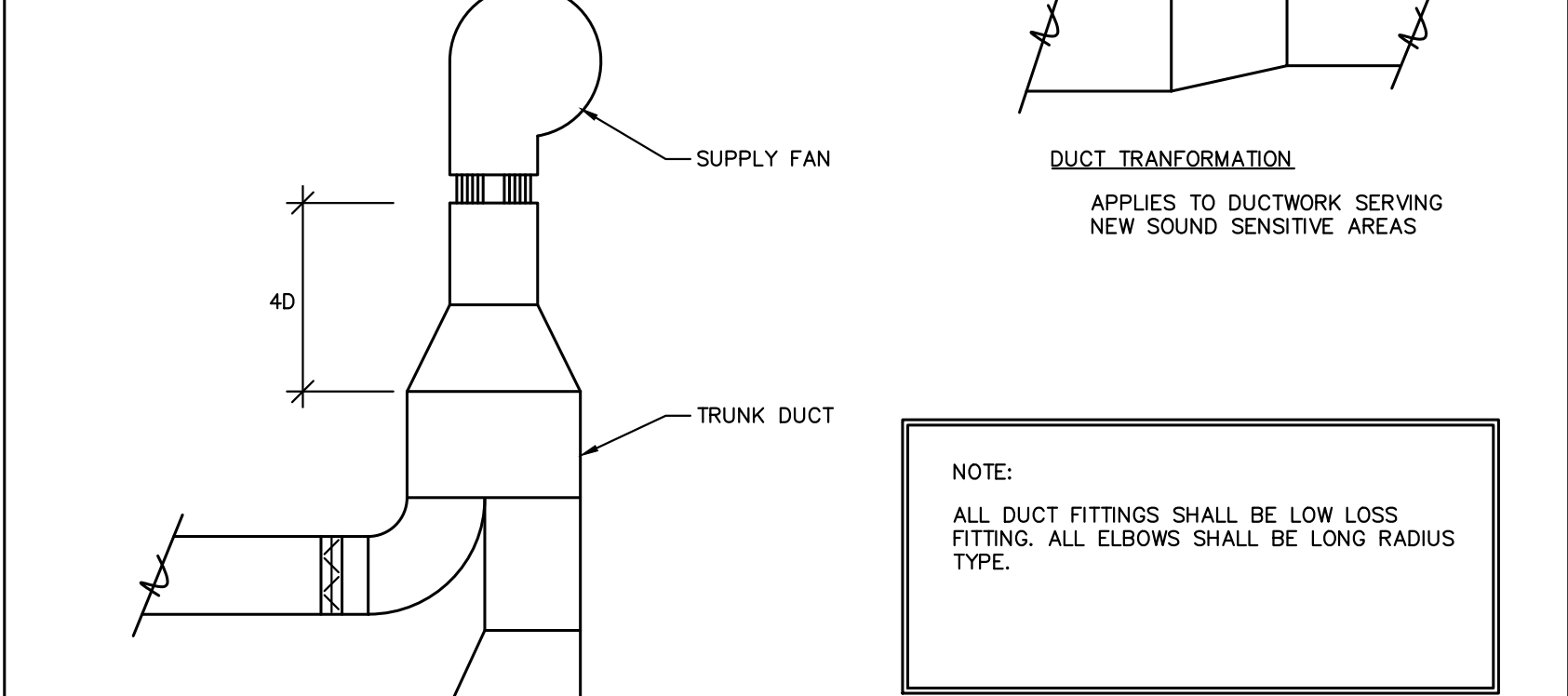
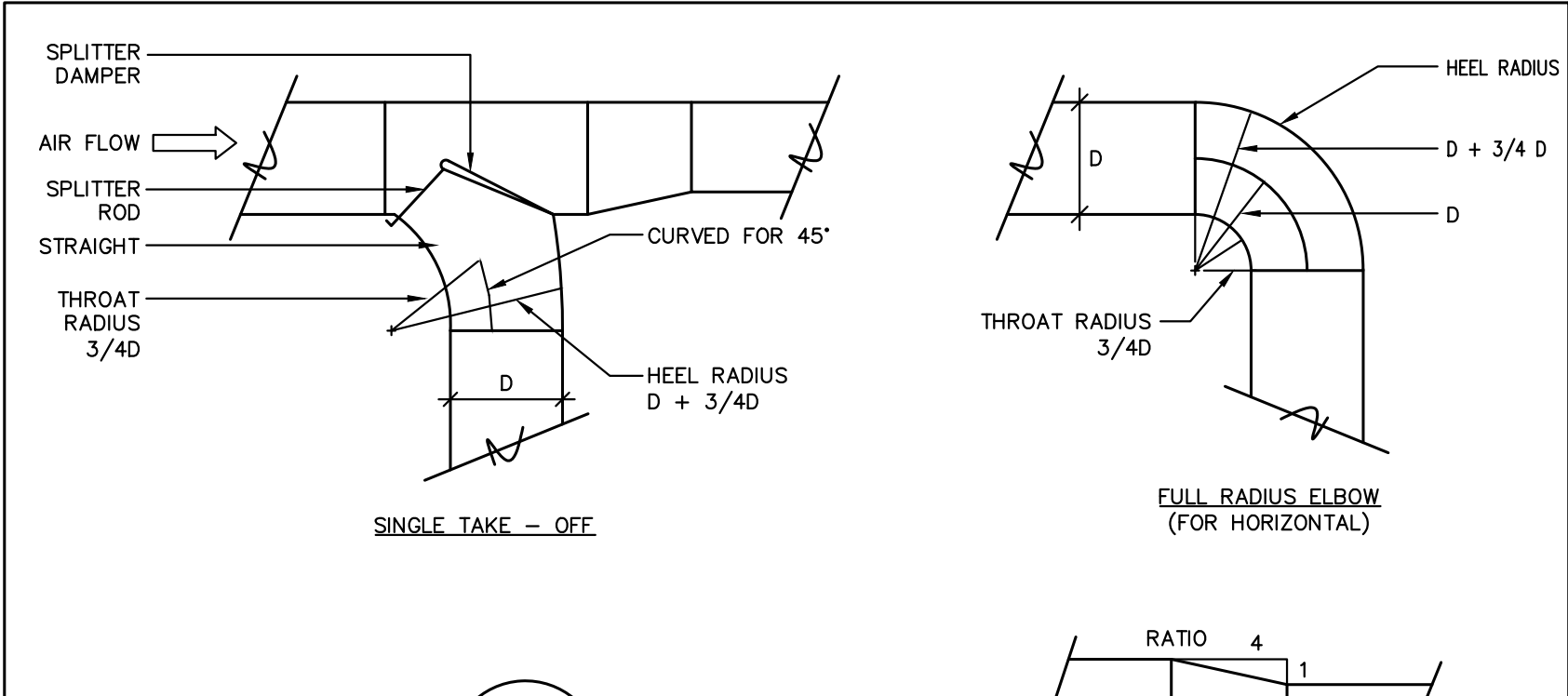
23 TYPICAL TRANSFER DUCT DETAIL
M-104 SCALE: N.T.S.



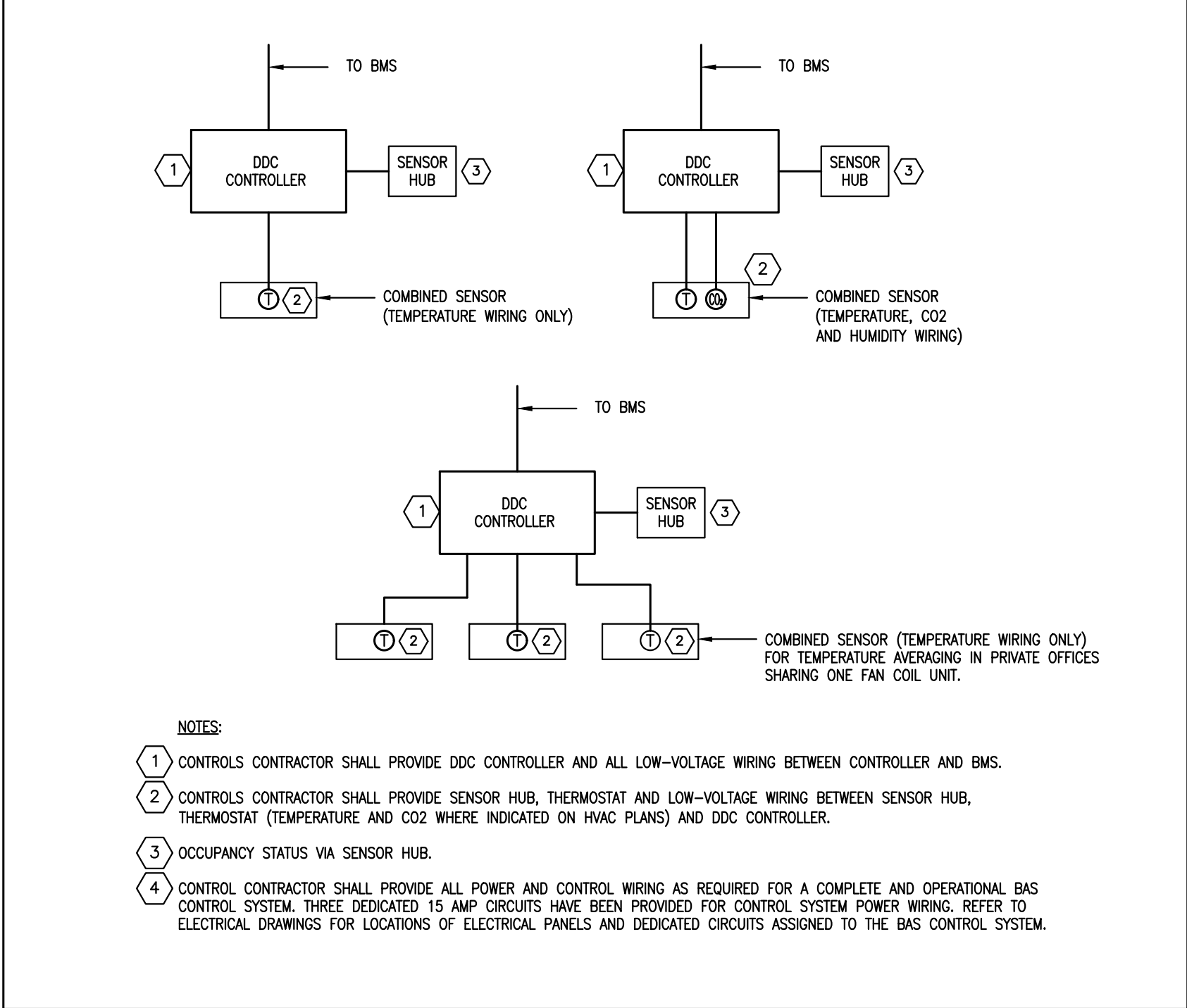
24 HORIZONTAL FAN COIL UNIT DETAIL
M-104 SCALE: N.T.S.



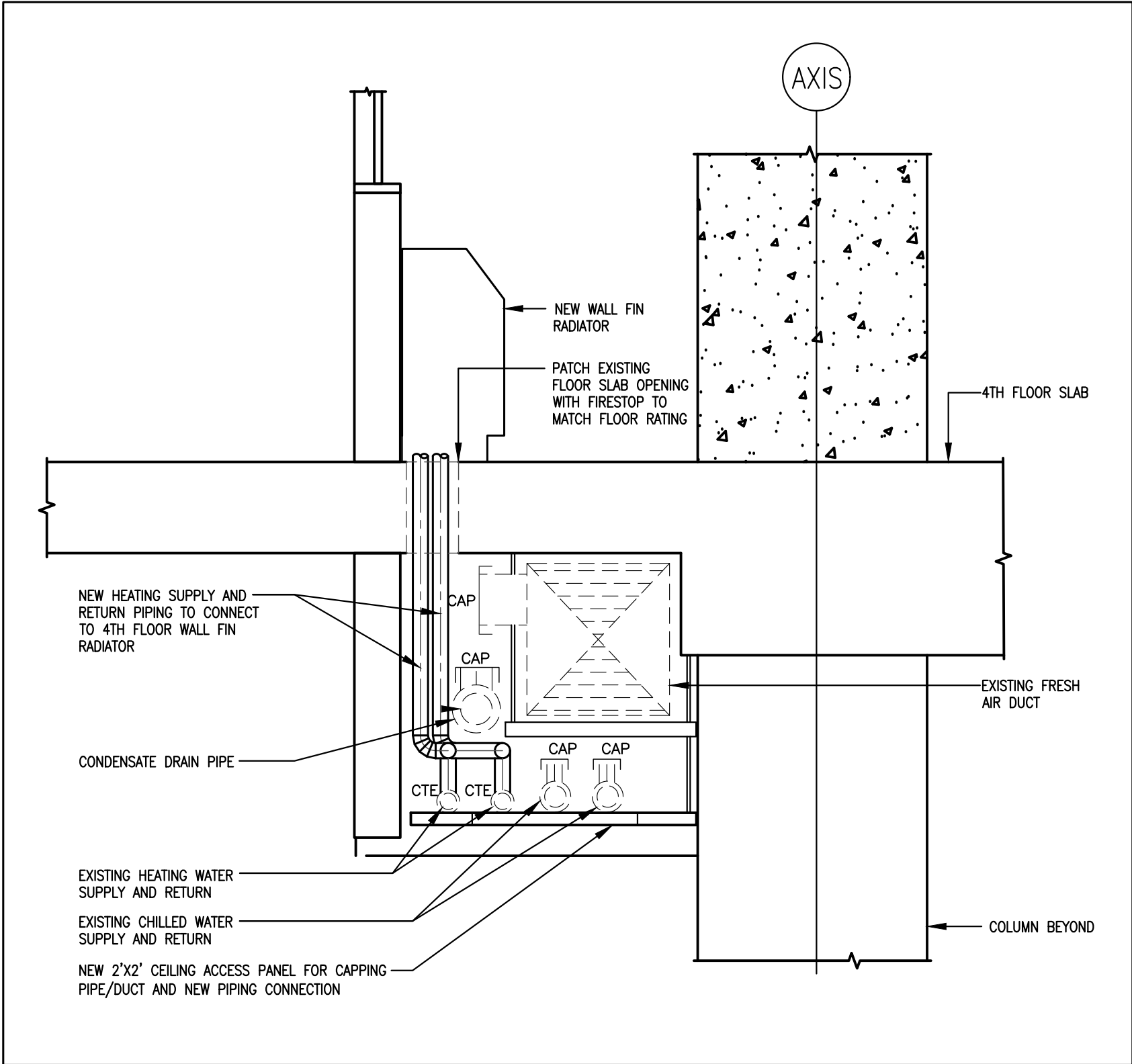
25 PIPING SCHEMATIC FOR 2 PIPE FAN COIL UNIT
M-104 SCALE: N.T.S.



26 DUCTWORK FITTINGS AND BALANCING DAMPER DETAILS
M-104 SCALE: N.T.S.



27 CONTROL (LOW VOLTAGE AND POWER) WIRING
M-104 SCALE: N.T.S.

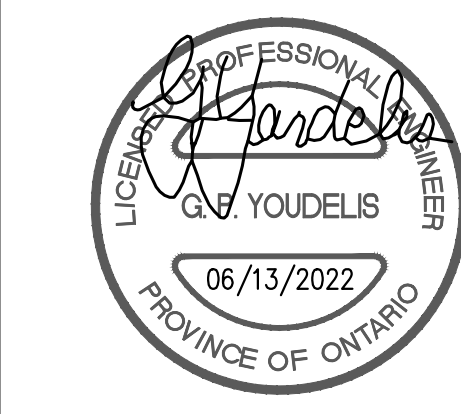


28 FLOOR MOUNTED WALL FIN DETAIL
M-104 SCALE: N.T.S.

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1	03-14-2022	ISSUED FOR 60% REVIEW
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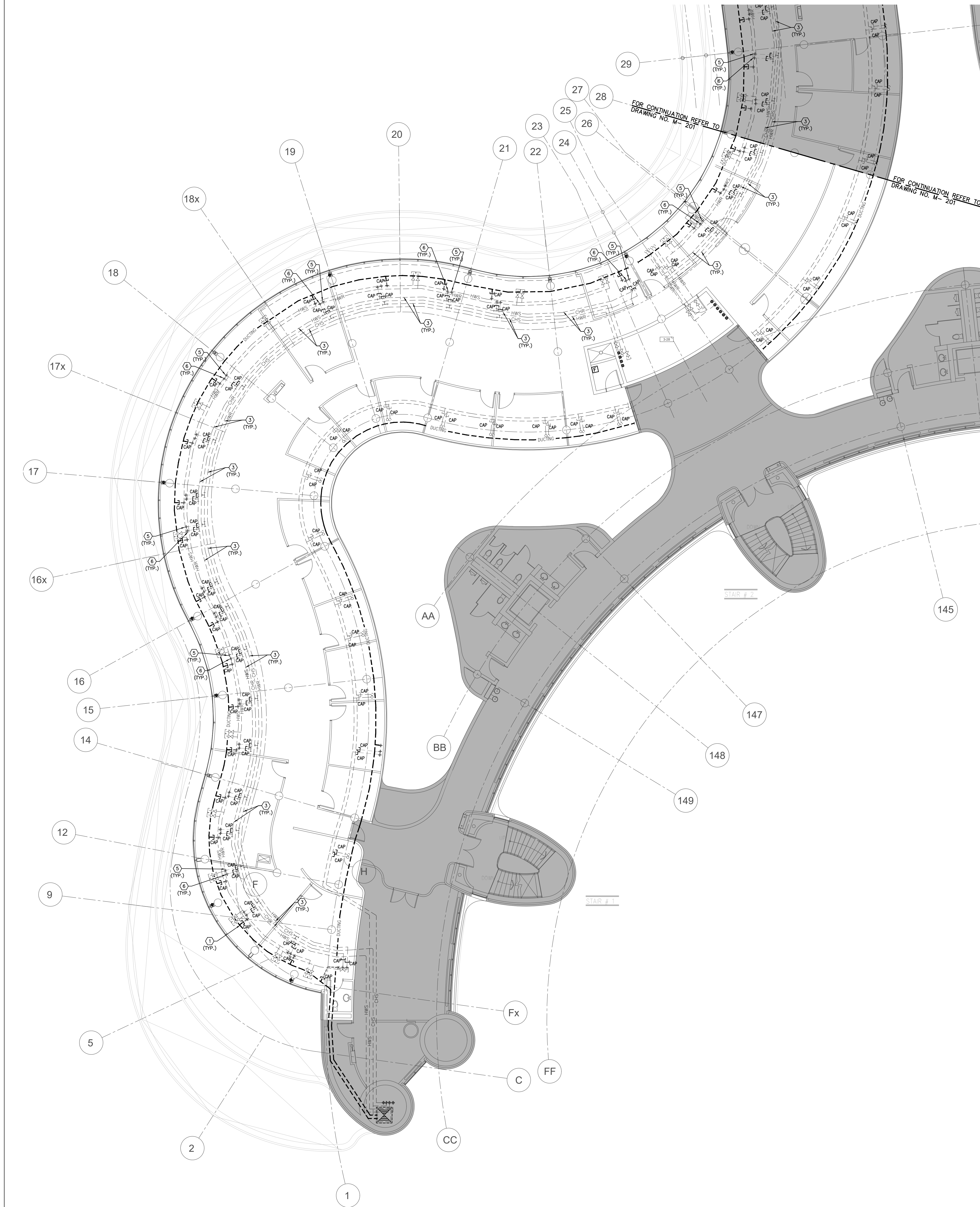
York Region
PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES
FLOOR: 4TH
BASE DATE: 01-01-2022
PROJECT:

PROJECT #9907
YORK REGION
Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: NOT TO SCALE
DRAWN BY: **S.P.R./G.G.**
SUBMITTED TO: MUNICIPALITY OF YORK
SHEET TITLE:

MECHANICAL DETAILS
SHEET NUMBER:
M-103



- GENERAL NOTES
1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
 2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
 3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL AND ELECTRICAL SERVICES.
 4. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
 5. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
 6. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
 7. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
 8. CONTRACTOR SHALL SAFELY AND CAREFULLY REMOVE EXISTING SPACE TEMPERATURE SENSORS AND RETURN TO OWNER FOR SPARE PARTS. REMOVAL OF SPACE TEMPERATURE SENSORS SHALL BE DONE BY CONTRACTOR ONLY, NOT BY ANY OTHER TRADES. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC) SHALL BE DEMOLISHED AND REMOVED FROM SITE.
 9. PROVIDE NECESSARY PROTECTIONS FOR ALL WORKSTATIONS, FURNITURE, PARTITION WALL, FLOORING AND WINDOWS ON THE THIRD FLOOR PRIOR TO COMMENCEMENT OF ANY WORK.
 10. CONTRACTOR SHALL REMOVE ALL PROTECTIONS USED ON THIRD FLOOR AS NOTED ABOVE AND CLEAN THE SPACES AS REQUIRED BEFORE THE START OF EACH REGULAR BUSINESS DAY.
 11. DRAWING NO. 9 (PROTECTION) & NOTE NO. 10 (REMOVAL & CLEAN-UP) SHALL BE DONE REPEATEDLY FOR THE DURATION OF WORK PERIOD.

- DRAWING NOTES
- ① EXISTING OUTDOOR AIR SUPPLY DUCTWORK IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
 - ② EXISTING OUTDOOR AIR SUPPLY DUCT RISER TO REMAIN.
 - ③ EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER SUPPLY & RETURN PIPING IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
 - ④ CUT BACK AND CAP EXISTING OUTDOOR AIR SUPPLY DUCT IN CEILING SPACE OF THIS FLOOR. CONTRACTOR TO CHECK/VERIFY EXACT LOCATION OF DUCTWORK ON SITE. PROVIDE FIRE-STOPPING AND SEALED OFF ALL FLOOR OPENINGS AS REQUIRED. (TYPICAL)
 - ⑤ CUT BACK AND CAP EXISTING CHILLED WATER SUPPLY AND RETURN PIPING IN CEILING SPACE OF THIS FLOOR. PROVIDE FIRE-STOPPING AND SEALED OFF ALL FLOOR OPENING AS REQUIRED. (TYPICAL)
 - ⑥ CUT BACK AND CAP EXISTING HEATING WATER SUPPLY AND RETURN PIPING IN CEILING SPACE OF THIS FLOOR. PROVIDE FIRE-STOPPING AND SEALED OFF ALL FLOOR OPENING AS REQUIRED. (TYPICAL)

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 PM) AND THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO COMMENCEMENT OF ANY WORK.

- EXISTING OUTDOOR AIR INSPECTION
- ① MECHANICAL CONTRACTOR SHALL PERFORM A COMPLETE VISUAL INSPECTION OF THE EXISTING SUPPLY AIR DUCT SYSTEM AND REPORT ANY FINDING OF OPEN DUCT BRANCHES, MISSING CAPPED CONNECTIONS, OPENING IN MAIN AND BRANCH DUCTS, BLOCKAGE AND LOOSE CONNECTIONS TO ENGINEER PRIOR TO COMMENCEMENT OF WORK. ALL OPENINGS, BLOCKAGES ETC. ARE TO BE RECTIFIED PRIOR TO PRE-BALANCING.

AREA 'A'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
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FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: **S.P.R./G.G.**

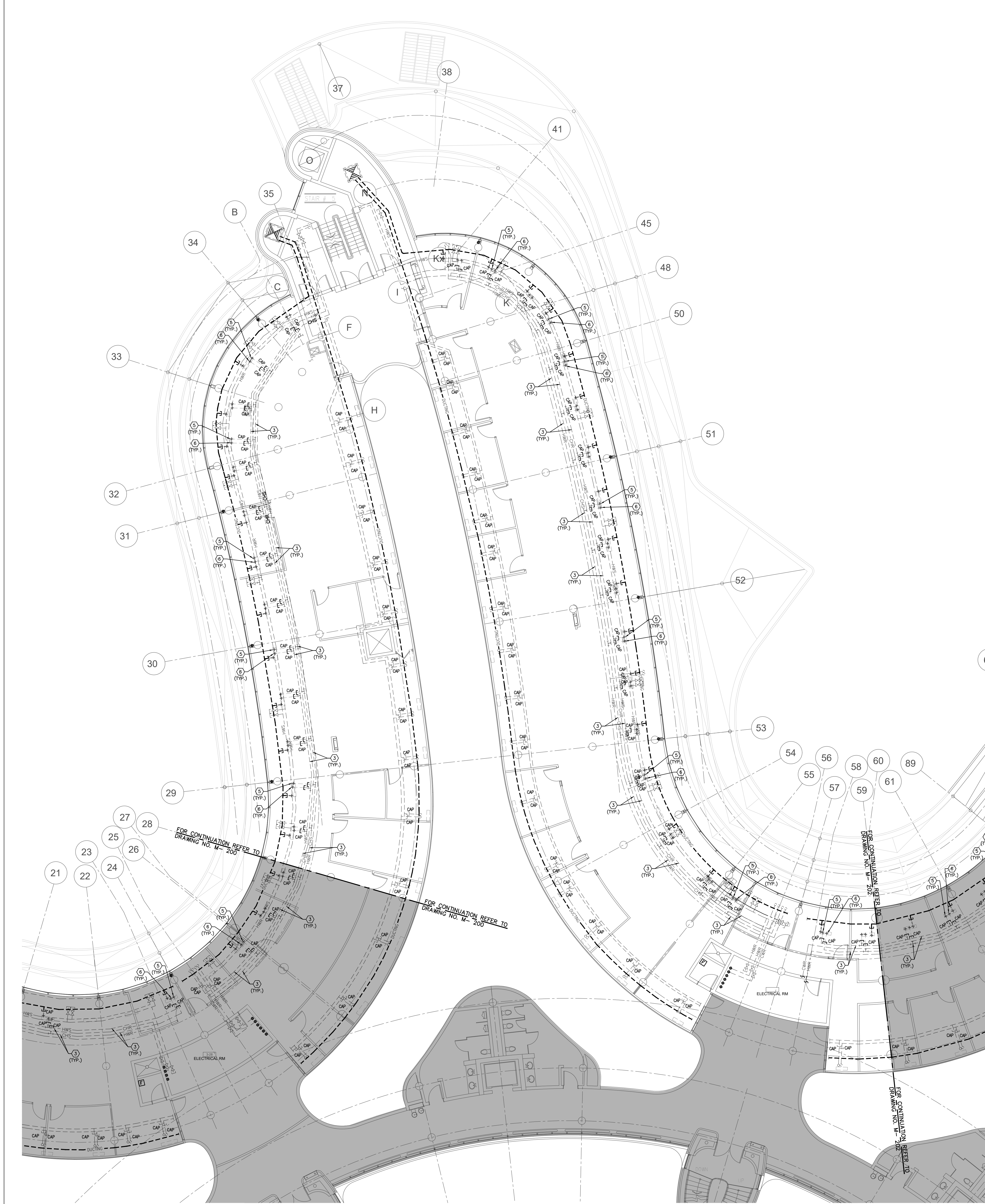
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 3RD FLOOR CEILING SPACE AREA 'A' MECHANICAL DEMOLITION PLAN

SHEET NUMBER:

M-200



- GENERAL NOTES**
1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
 2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
 3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL AND ELECTRICAL SERVICES.
 4. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
 5. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
 6. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER. PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
 7. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
 8. CONTRACTOR SHALL SAFELY AND CAREFULLY REMOVE EXISTING SPACE TEMPERATURE SENSORS AND RETURN TO OWNER FOR SPARE PARTS. REMOVAL OF SPACE TEMPERATURE SENSORS SHALL BE DONE BY CONTRACTOR ONLY, NOT BY ANY OTHER TRADES. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC) SHALL BE DEMOLISHED AND REMOVED FROM SITE.
 9. PROVIDE NECESSARY PROTECTIONS FOR ALL WORKSTATIONS, FURNITURE, PARTITION WALL, FLOORING AND WINDOWS ON THE THIRD FLOOR PRIOR TO COMMENCEMENT OF ANY WORK.
 10. CONTRACTOR SHALL REMOVE ALL PROTECTIONS USED ON THIRD FLOOR AS NOTED ABOVE AND CLEAN THE SPACES AS REQUIRED BEFORE THE START OF EACH REGULAR BUSINESS DAY.
 11. DRAWING NO. 9 (PROTECTION) & NOTE NO. 10 (REMOVAL & CLEAN-UP) SHALL BE DONE REPEATEDLY FOR THE DURATION OF WORK PERIOD.

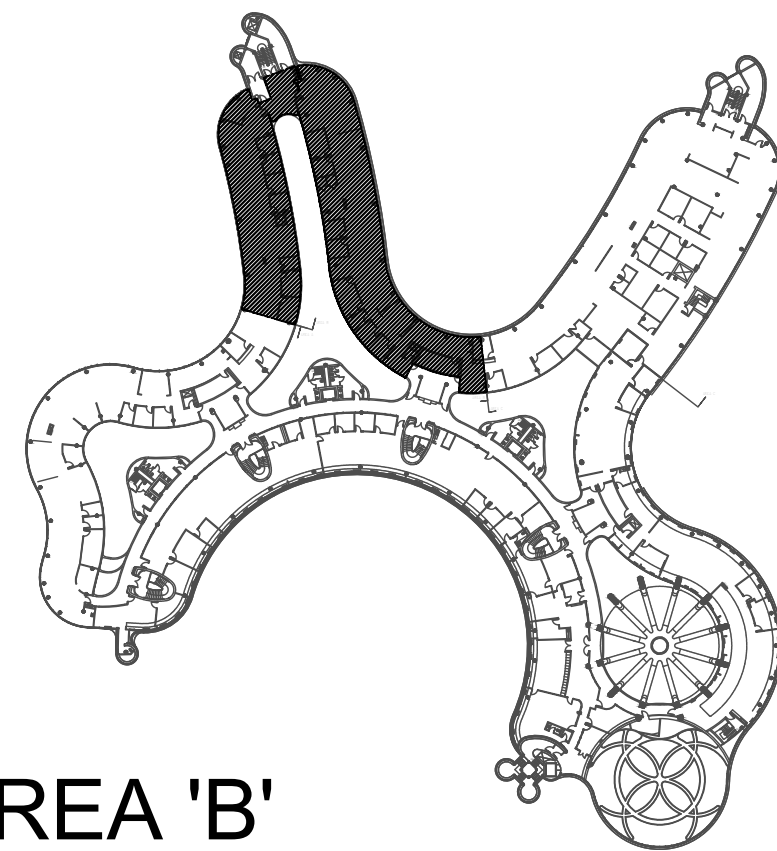
- DRAWING NOTES**
- ① EXISTING OUTDOOR AIR SUPPLY DUCTWORK IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
 - ② EXISTING OUTDOOR AIR SUPPLY DUCT RISER TO REMAIN.
 - ③ EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER SUPPLY & RETURN PIPING IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
 - ④ CUT BACK AND CAP EXISTING OUTDOOR AIR SUPPLY DUCT IN CEILING SPACE OF THIS FLOOR. CONTRACTOR TO CHECK/VERIFY EXACT LOCATION OF DUCTWORK ON SITE. PROVIDE FIRE-STOPPING AND SEALED OFF ALL FLOOR OPENING AS REQUIRED. (TYPICAL)
 - ⑤ CUT BACK AND CAP EXISTING CHILLED WATER SUPPLY AND RETURN PIPING IN CEILING SPACE OF THIS FLOOR. PROVIDE FIRE-STOPPING AND SEALED OFF ALL FLOOR OPENING AS REQUIRED. (TYPICAL)
 - ⑥ CUT BACK AND CAP EXISTING HEATING WATER SUPPLY AND RETURN PIPING IN CEILING SPACE OF THIS FLOOR. PROVIDE FIRE-STOPPING AND SEALED OFF ALL FLOOR OPENING AS REQUIRED. (TYPICAL)

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (8:30 PM TO 8:30 AM) AND THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO COMMENCEMENT OF ANY WORK.

EXISTING OUTDOOR AIR INSPECTION

① MECHANICAL CONTRACTOR SHALL PERFORM A COMPLETE VISUAL INSPECTION OF THE EXISTING SUPPLY AIR DUCT SYSTEM AND REPORT ANY FINDING OF OPEN DUCT BRANCHES, MISSING CAPPED CONNECTIONS, OPENING IN MAIN AND BRANCH DUCTS, BLOCKAGE AND LOOSE CONNECTIONS TO ENGINEER PRIOR TO COMMENCEMENT OF WORK. ALL OPENINGS, BLOCKAGES ETC. ARE TO BE RECTIFIED PRIOR TO PRE-BALANCING.



AREA 'B'

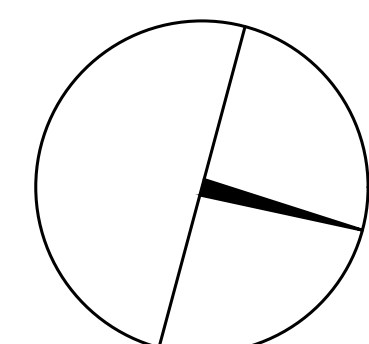
SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

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PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

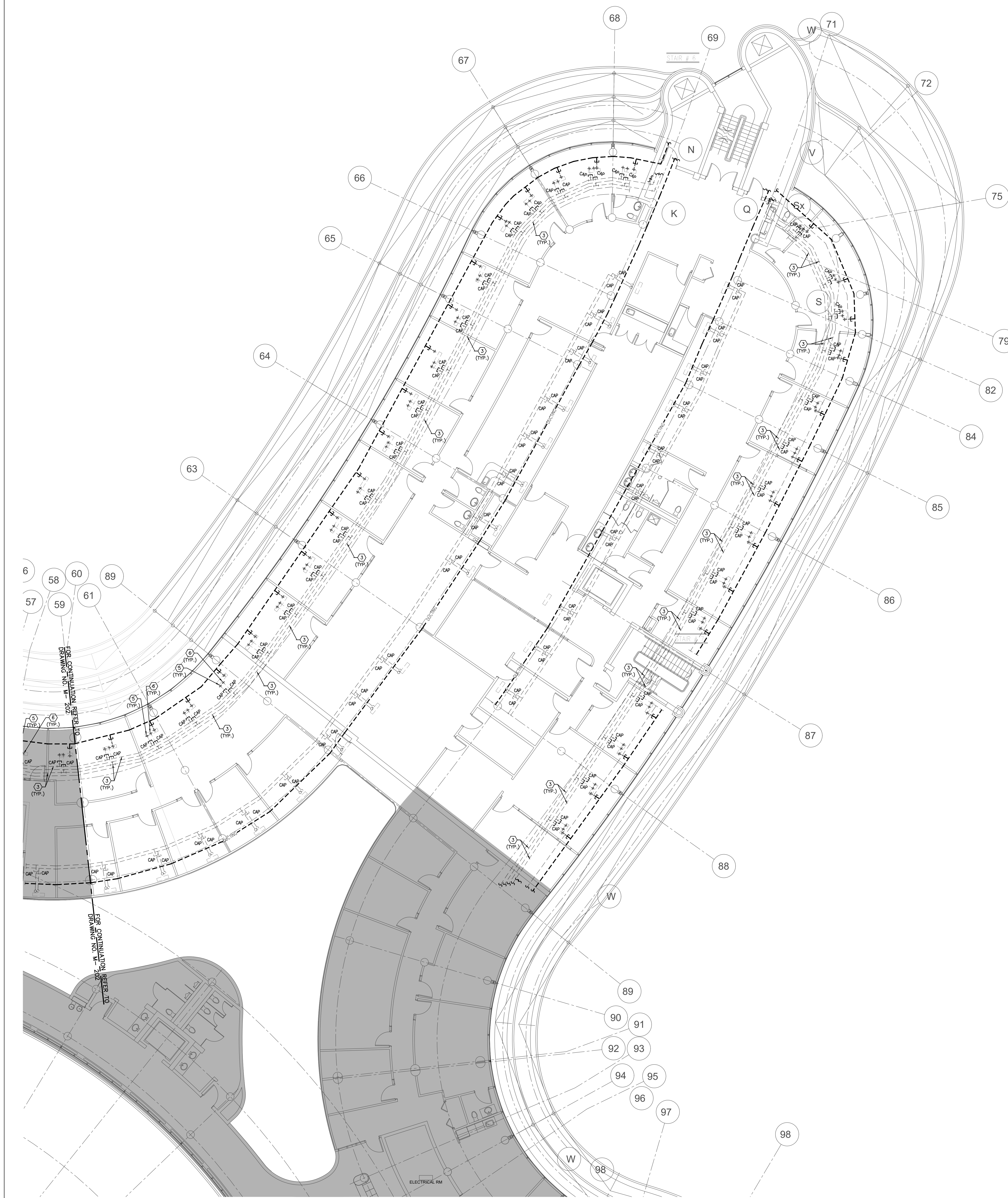
YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE:	1:100m
DRAWN BY:	S.P.R./G.G.
SUBMITTED TO:	MUNICIPALITY OF YORK
SHEET TITLE:	

**PARTIAL 3RD FLOOR
AREA 'B'
MECHANICAL DEMOLITION
PLAN**

SHEET NUMBER:
M-201



- GENERAL NOTES
1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
 2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
 3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL AND ELECTRICAL SERVICES.
 4. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
 5. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
 6. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER. PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
 7. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CARPED, AND MADE GOOD.
 8. CONTRACTOR SHALL SAFELY AND CAREFULLY REMOVE EXISTING SPACE TEMPERATURE SENSORS AND RETURN TO OWNER FOR SPARE PARTS. REMOVAL OF SPACE TEMPERATURE SENSORS SHALL BE DONE BY CONTRACTOR ONLY, NOT BY ANY OTHER TRADES. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC) SHALL BE DEMOLISHED AND REMOVED FROM SITE.
 9. PROVIDE NECESSARY PROTECTIONS FOR ALL WORKSTATIONS, FURNITURE, PARTITION WALL, FLOORING AND WINDOWS ON THE THIRD FLOOR PRIOR TO COMMENCEMENT OF ANY WORK.
 10. CONTRACTOR SHALL REMOVE ALL PROTECTIONS USED ON THIRD FLOOR AS NOTED ABOVE AND CLEAN THE SPACES AS REQUIRED BEFORE THE START OF EACH REGULAR BUSINESS DAY.
 11. DRAWING NOTE NO. 9 (PROTECTION) & NOTE NO. 10 (REMOVAL & CLEAN-UP) SHALL BE DONE REPEATEDLY FOR THE DURATION OF WORK PERIOD.

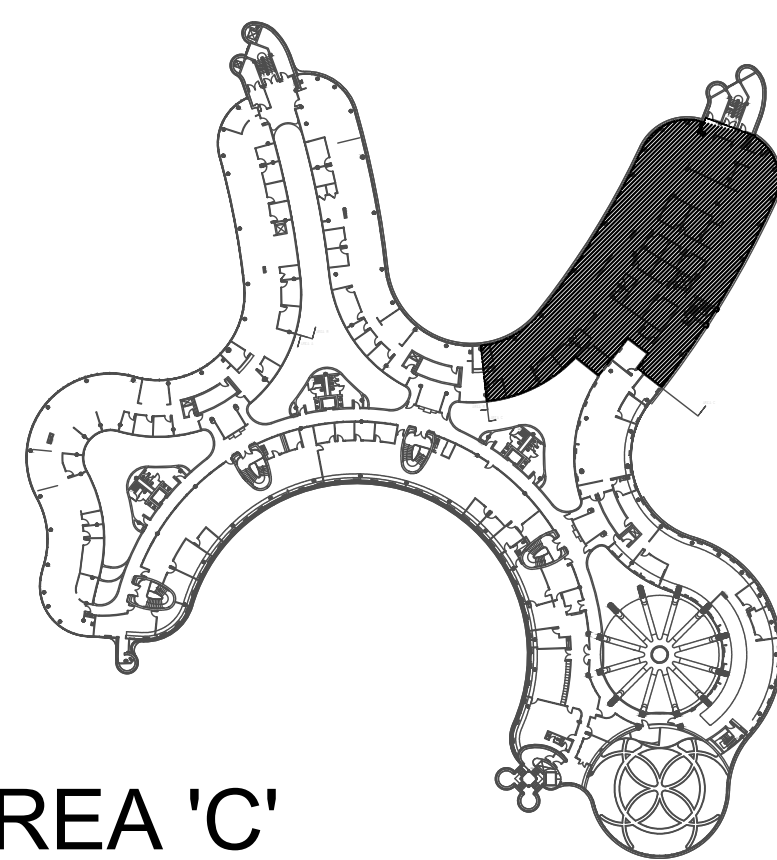
- DRAWING NOTES
- ① EXISTING OUTDOOR AIR SUPPLY DUCTWORK IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
 - ② EXISTING OUTDOOR AIR SUPPLY DUCT RISER TO REMAIN.
 - ③ EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER SUPPLY & RETURN PIPING IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
 - ④ CUT BACK AND CAP EXISTING OUTDOOR AIR SUPPLY DUCT IN CEILING SPACE OF THIS FLOOR. CONTRACTOR TO CHECK/VERIFY EXACT LOCATION OF DUCTWORK ON SITE. PROVIDE FIRE-STOPPING AND SEALED OFF ALL FLOOR OPENINGS AS REQUIRED. (TYPICAL)
 - ⑤ CUT BACK AND CAP EXISTING CHILLED WATER SUPPLY AND RETURN PIPING IN CEILING SPACE OF THIS FLOOR. PROVIDE FIRE-STOPPING AND SEALED OFF ALL FLOOR OPENINGS AS REQUIRED. (TYPICAL)
 - ⑥ CUT BACK AND CAP EXISTING HEATING WATER SUPPLY AND RETURN PIPING IN CEILING SPACE OF THIS FLOOR. PROVIDE FIRE-STOPPING AND SEALED OFF ALL FLOOR OPENINGS AS REQUIRED. (TYPICAL)

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS 05:30 PM TO 8:30 PM AND THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO COMMENCEMENT OF ANY WORK.

EXISTING OUTDOOR AIR INSPECTION

1 MECHANICAL CONTRACTOR SHALL PERFORM A COMPLETE VISUAL INSPECTION OF THE EXISTING SUPPLY AIR DUCT SYSTEM AND REPORT ANY FINDING OF OPEN DUCT BRANCHES, MISSING CARPED CONNECTIONS, OPENING IN MAIN AND BRANCH DUCTS, BLOCKAGE AND LOOSE CONNECTIONS TO ENGINEER PRIOR TO COMMENCEMENT OF WORK. ALL OPENINGS, BLOCKAGES ETC. ARE TO BE RECTIFIED PRIOR TO PRE-BALANCING.



AREA 'C'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

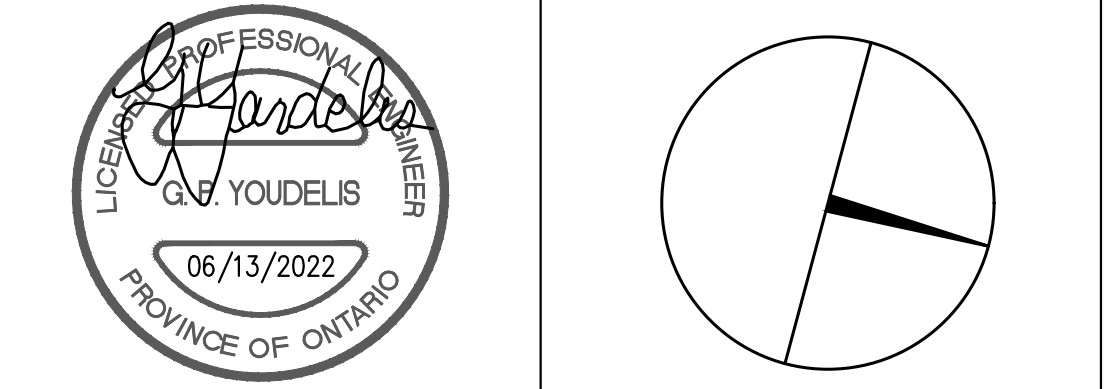
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PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

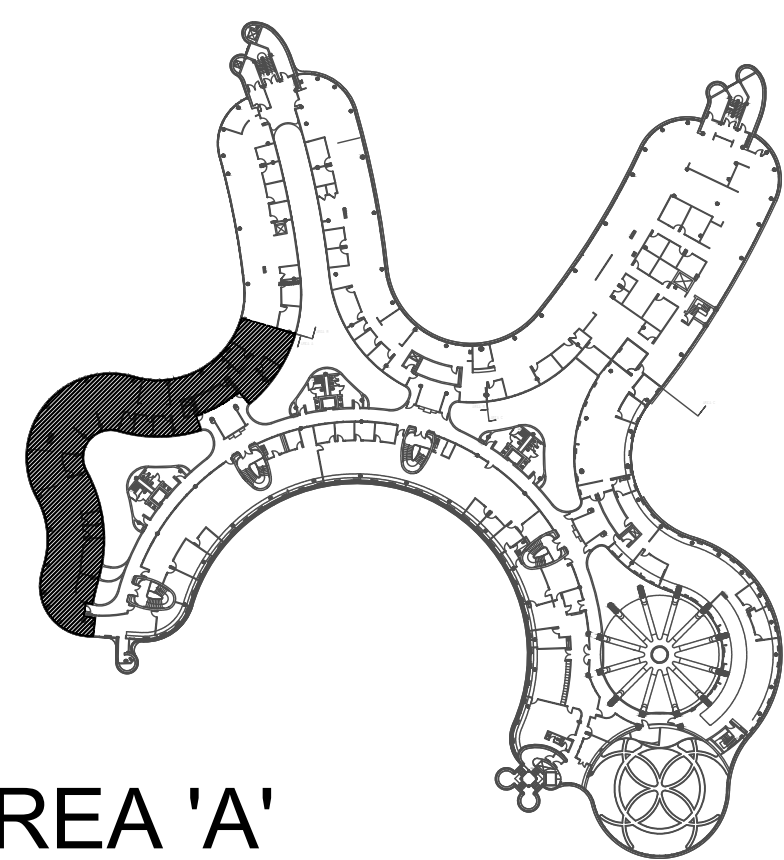
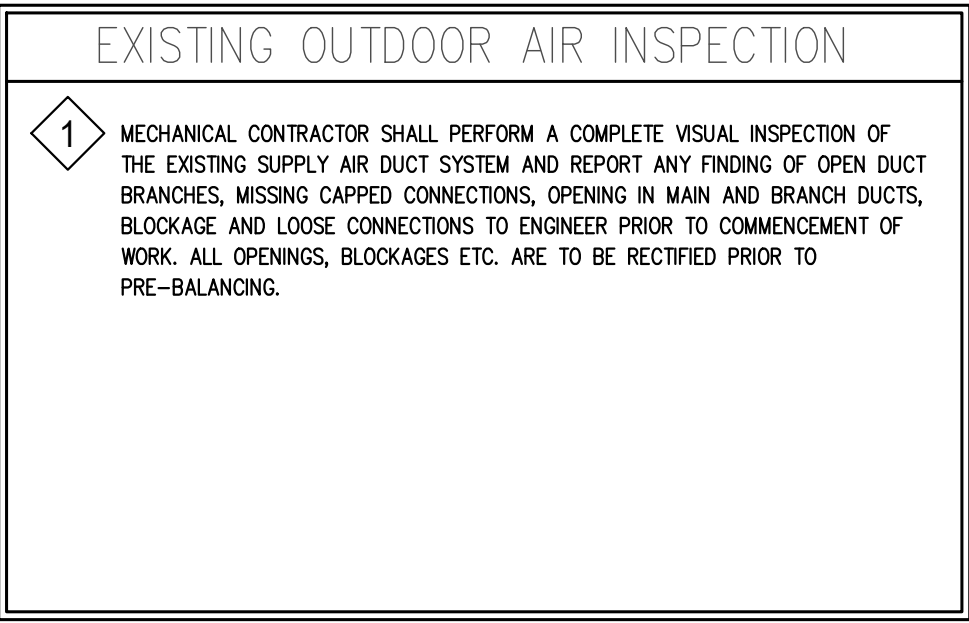
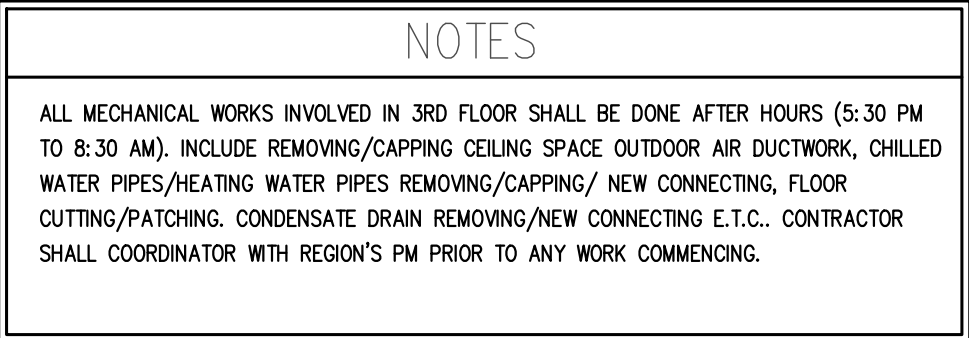
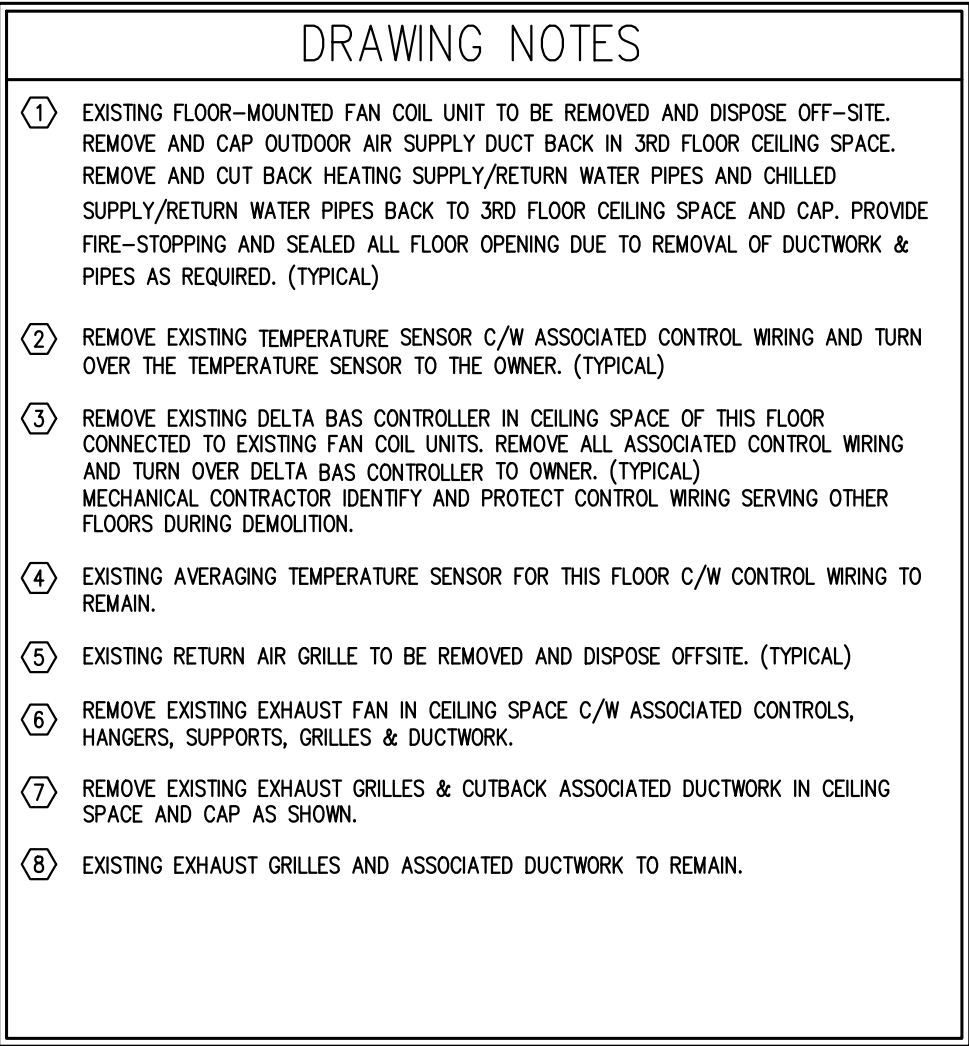
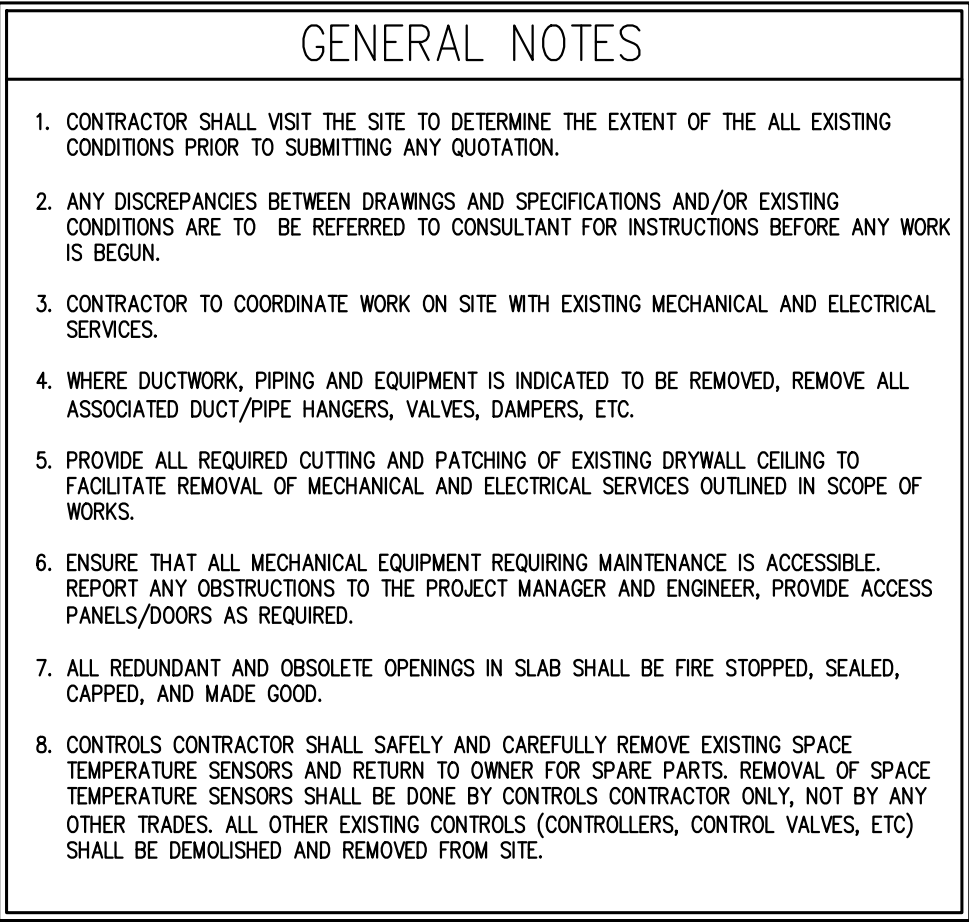
YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m
DRAWN BY: S.P.R./G.G.
SUBMITTED TO: MUNICIPALITY OF YORK
SHEET TITLE:

PARTIAL 3RD FLOOR
AREA 'C'
MECHANICAL DEMOLITION
PLAN

SHEET NUMBER:
M-202



AREA 'A'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

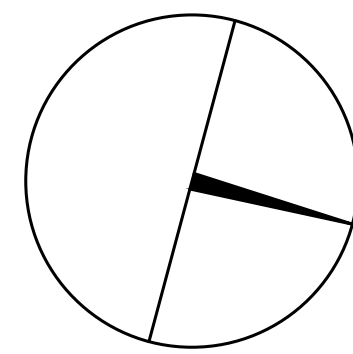
G.Bruce Stratton Architects

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PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: **S.P.R./G.G.**

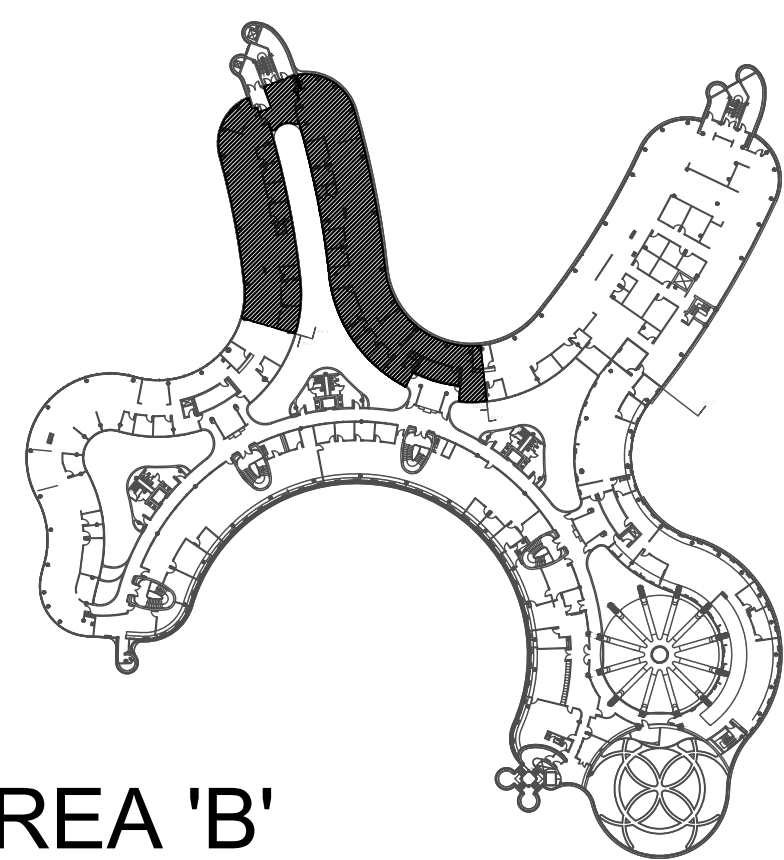
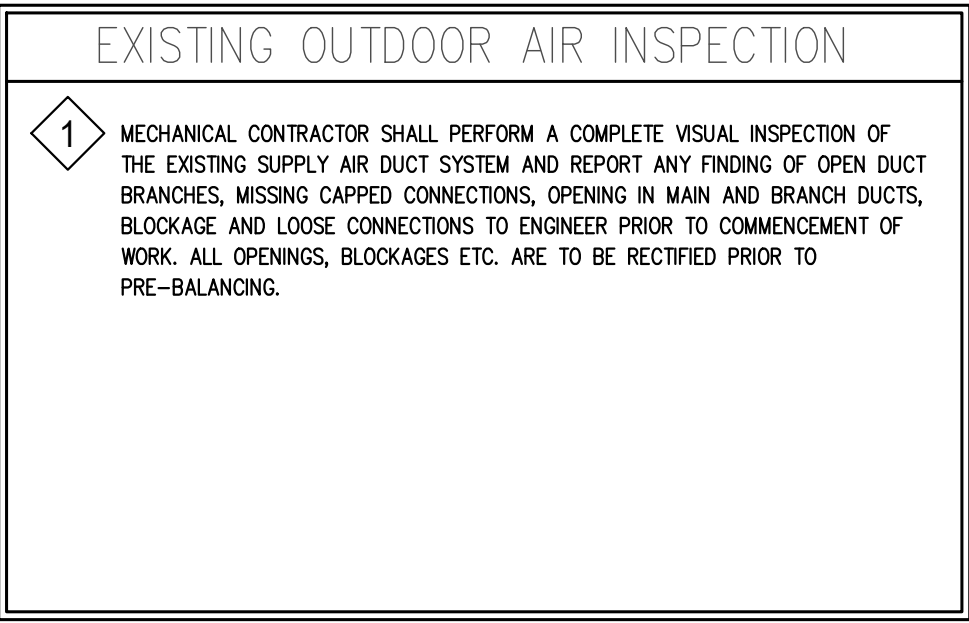
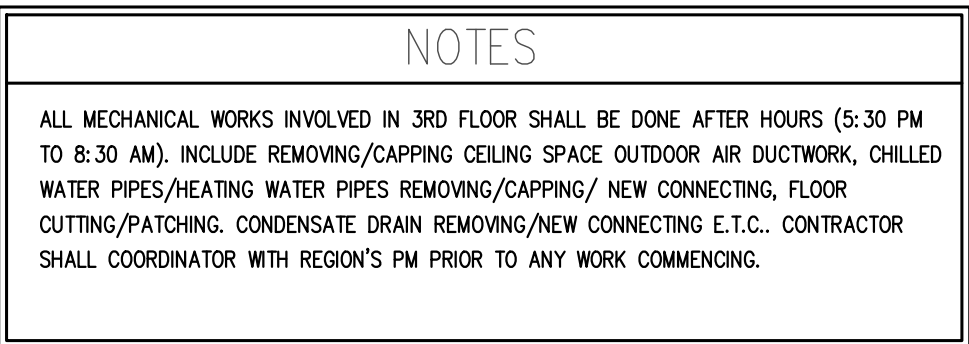
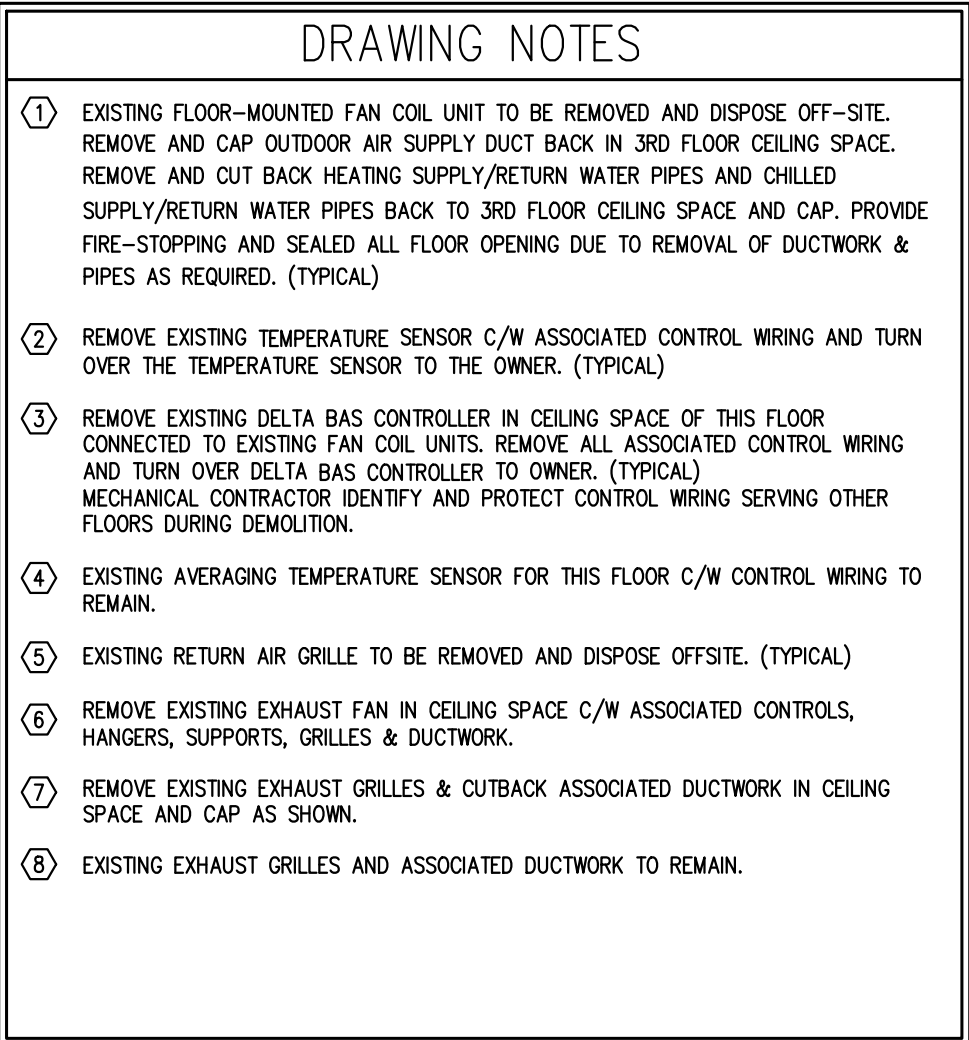
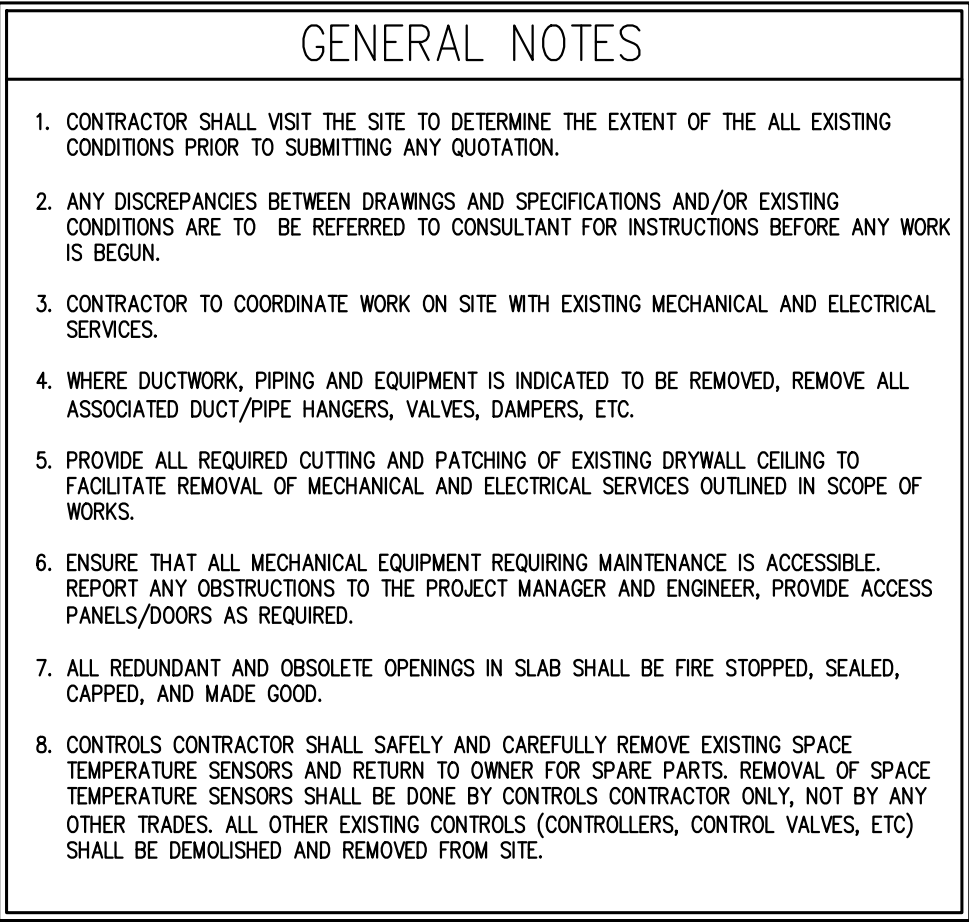
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR
AREA 'A'
HVAC DEMOLITION PLAN

SHEET NUMBER:

M-203



AREA 'B'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

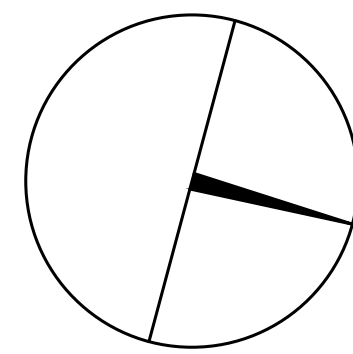
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PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: **S.P.R./G.G.**

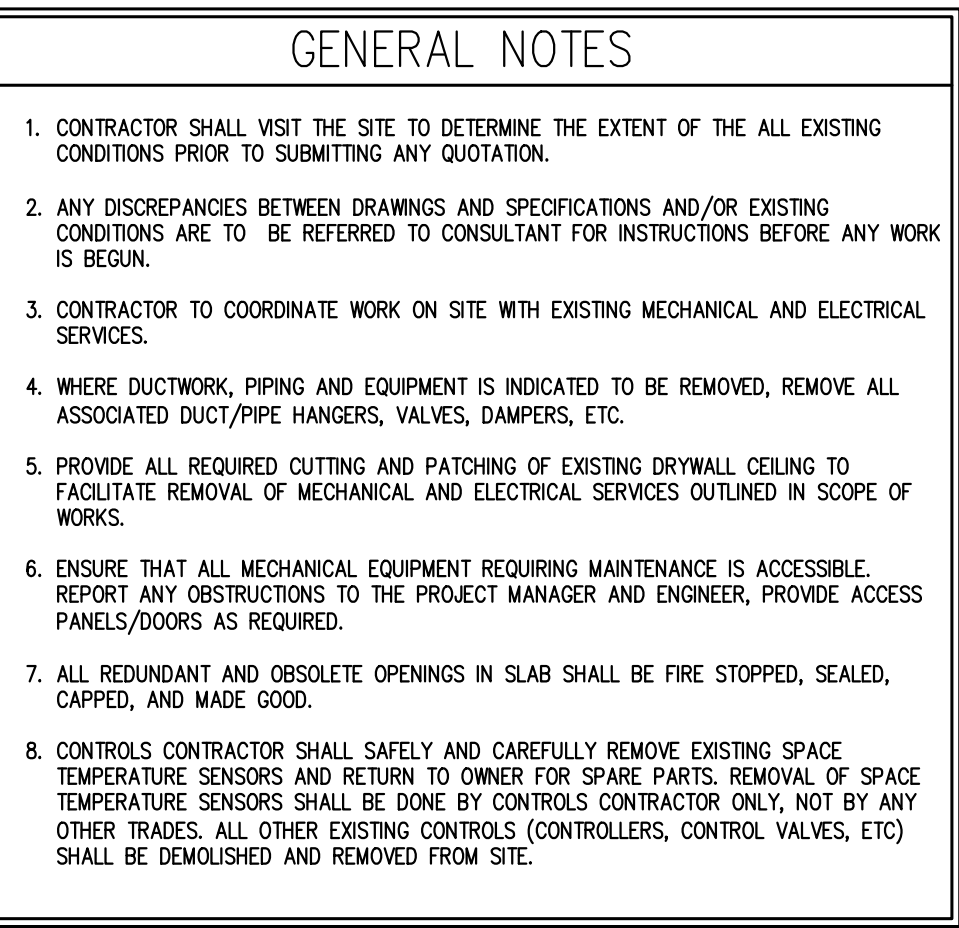
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR AREA 'B' HVAC DEMOLITION PLAN

SHEET NUMBER:

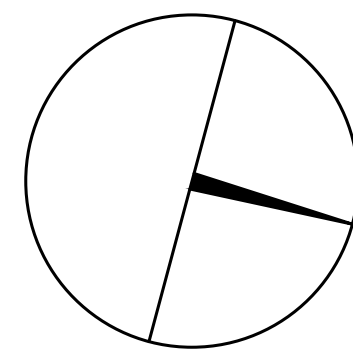
M-204



AREA 'C'

G. Bruce Stratton Architects

GPY +
Associates Engineering Inc.



DEPARTMENT: BUILDING & FACILITIES

FLOOR: 4TH

BASE DATE: 01-01-2022

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: **S.P.R./G.G.**

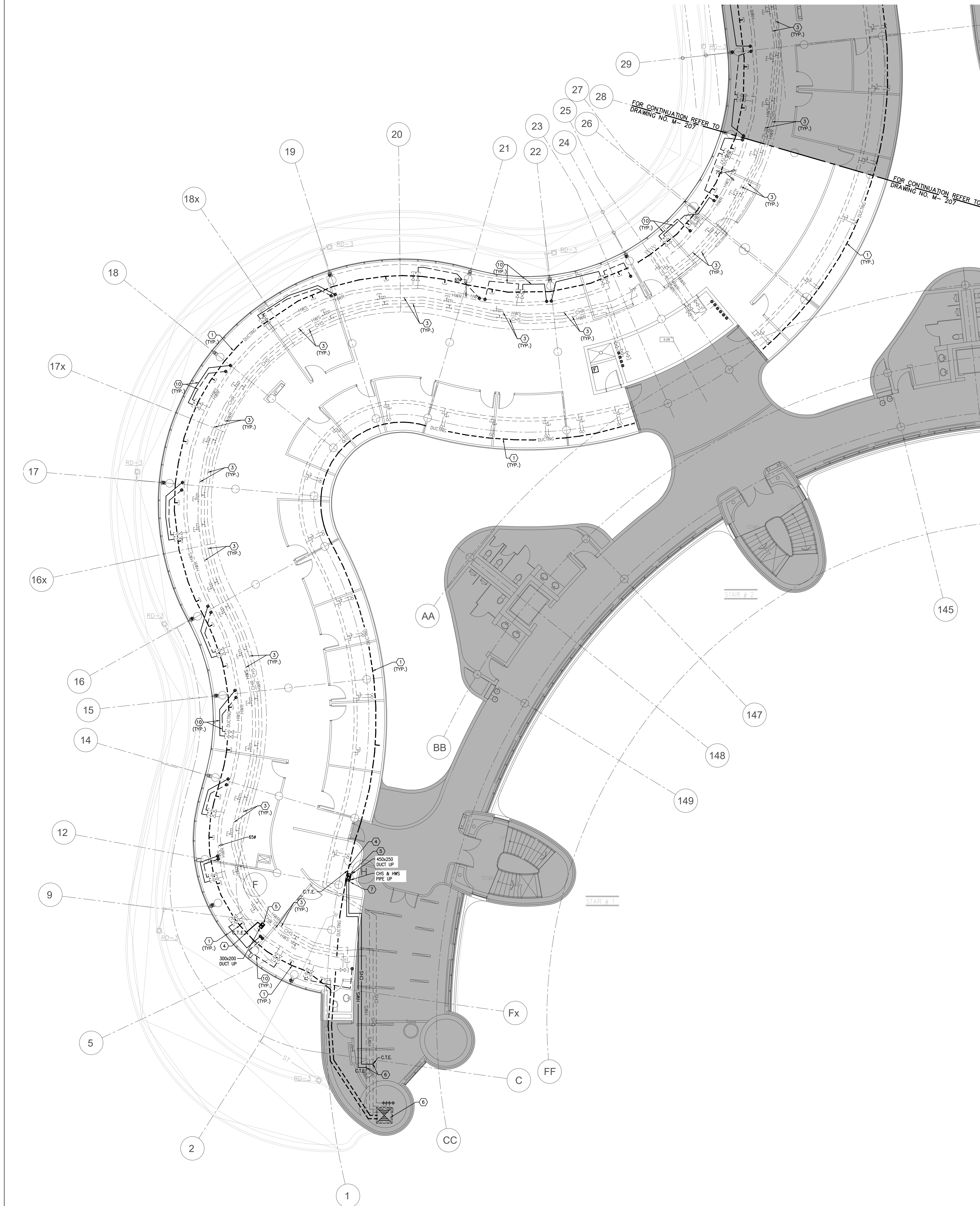
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR
AREA 'C'
HVAC DEMOLITION PLAN

SHEET NUMBER:

M-205



- GENERAL NOTES**
1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
 2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
 3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL AND ELECTRICAL SERVICES.
 4. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
 5. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL, CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
 6. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER. PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
 7. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CARPED, AND MADE GOOD.
 8. CONTRACTOR SHALL SAFELY AND CAREFULLY REMOVE EXISTING SPACE TEMPERATURE SENSORS AND RETURN TO OWNER FOR SPARE PARTS. REMOVAL OF SPACE TEMPERATURE SENSORS SHALL BE DONE BY CONTRACTOR ONLY, NOT BY ANY OTHER TRADES. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC) SHALL BE DEMOLISHED AND REMOVED FROM SITE.
 9. PROVIDE NECESSARY PROTECTIONS FOR ALL WORKSTATIONS, FURNITURE, PARTITION WALL, FLOORING AND WINDOWS ON THE 3RD FLOOR PRIOR TO COMMENCEMENT OF ANY WORK.
 10. CONTRACTOR SHALL REMOVE ALL PROTECTIONS USED ON 3RD FLOOR AS NOTED ABOVE AND CLEAN THE SPACES AS REQUIRED BEFORE THE START OF EACH REGULAR BUSINESS DAY.
 11. DRAWING NOTE NO. 9 (PROTECTION) & NOTE NO. 10 (REMOVAL & CLEAN-UP) SHALL BE DONE REPEATEDLY FOR THE DURATION OF WORK PERIOD.

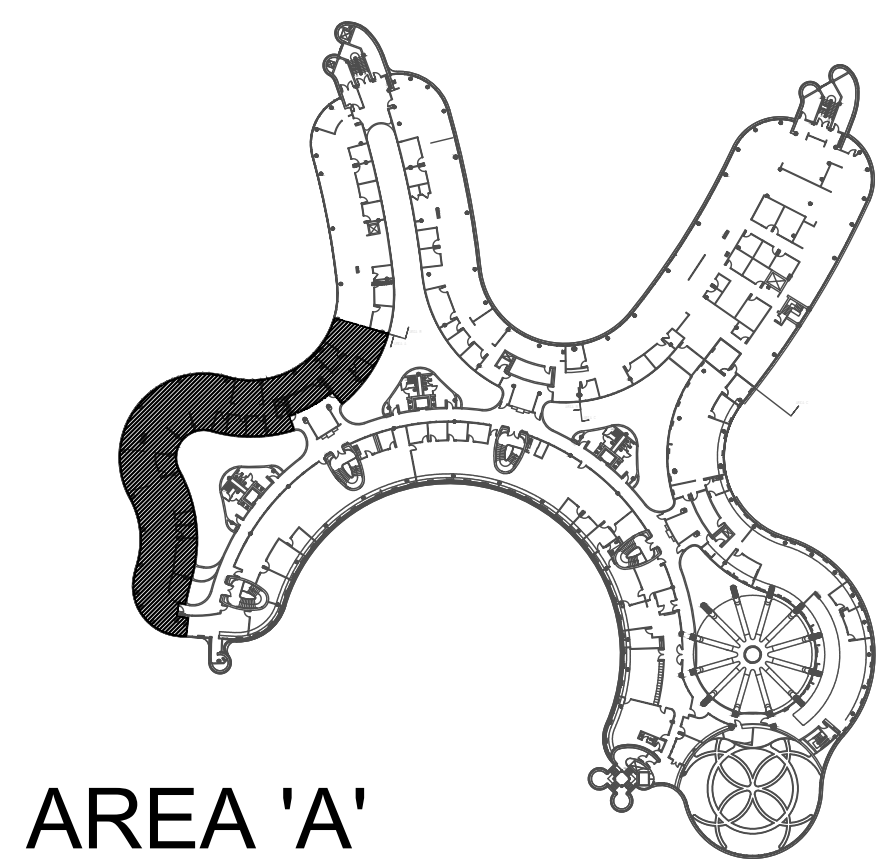
- DRAWING NOTES**
1. EXISTING OUTDOOR AIR SUPPLY DUCTWORK IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
 2. EXISTING OUTDOOR AIR SUPPLY DUCT RISER TO REMAIN.
 3. EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER SUPPLY & RETURN PIPING IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
 4. CONNECT NEW OUTDOOR AIR SUPPLY DUCT TO EXISTING DUCTWORK AND MAKE GOOD INSULATION.
 5. NEW OUTDOOR AIR SUPPLY DUCT UP TO 4TH FLOOR. PROVIDE FIRE DAMPER AT FLOOR SLAB PENETRATION. PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/DRILLING AS REQUIRED. FOR CONTINUATION REFER TO DRAWING NO. M-206 & M-207.
 6. CONNECT NEW CHILLED WATER SUPPLY PIPE TO EXISTING SAME SERVICE PIPING AT THIS POINT AND MAKE GOOD INSULATION.
 7. RUN NEW CHILLED WATER SUPPLY PIPE UP TO 3RD FLOOR. FOR CONTINUATION REFER TO DRAWING NO. M-206, M-210 & M-211.
 8. DISCONNECT AND CAP EXISTING HOT WATER RETURN PIPING. CONNECT EXISTING VALVED HOT WATER SUPPLY PIPE TO EXISTING SERVICES AS SHOWN. MAKE GOOD INSULATION AS REQUIRED.
 9. DISCONNECT AND CAP EXISTING HOT WATER SUPPLY PIPING. CONNECT EXISTING VALVED HOT WATER SUPPLY PIPE TO EXISTING SERVICES AS SHOWN. MAKE GOOD INSULATION AS REQUIRED.
 10. PROVIDE NEW 200 HEATING WATER SUPPLY/RETURN PIPE AND CONNECT TO EXISTING SERVICES. EXTEND NEW HEATING WATER SUPPLY/RETURN PIPE UP TO 4TH FLOOR AND CONNECT TO NEW FLOOR MOUNTED WALL FIN HEATER. PROVIDE NEW FLOOR SLAB OPENINGS FOR HEATING SUPPLY & RETURN PIPES. INSURE PIPES ARE WITHIN WALL FIN ENCLOSURE. PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/DRILLING/ PRE-STOPPING AS REQUIRED. (TYPICAL)
 11. PROVIDE NEW 200 BY-PASS LINE BETWEEN HEATING SUPPLY AND RETURN PIPE C/W DOL BY-PASS ACTUATOR WITH 2-WAY VALVE. BY-PASS ACTUATOR SHALL BE INTERLOCKED WITH BUILDING AUTOMATION SYSTEM.
 12. CONNECT NEW HOT WATER SUPPLY PIPE TO EXISTING SAME SERVICE PIPING AT THIS POINT AND MAKE GOOD INSULATION. PROVIDE SHUT-OFF VALVE. EXACT CONNECTION TO BE VERIFIED ON SITE.
 13. DISCONNECT AND CAP EXISTING HOT WATER RETURN PIPING. CONNECT NEW VALVED HOT WATER SUPPLY PIPE TO EXISTING SERVICES AS SHOWN. MAKE GOOD INSULATION AS REQUIRED.
 14. INSTALL NEW HEATING WATER SUPPLY AND RETURN PIPING C/W INSULATION. SIZES OF NEW HEATING PIPING SHALL MATCH EXISTING HEATING PIPING SIZES. NEW HEATING PIPING SHALL BE SCHEDULE 40 BLACK STEEL. INSTALL PIPE FITTINGS ARE PERMITTED IN ACCESSIBLE SPACES ONLY. PROVIDE NEW PIPE HANGERS AS REQUIRED. INSTALL NEW HEATING PIPING TIGHT TO EXISTING SLAB AND BEAMS TO ALLOW FOR FUTURE HVAC EQUIPMENT/ TERMINAL UNITS/ DUCTWORK/ DIFFUSERS INSTALLATIONS.
 15. REMOVE CAP OF EXISTING VALVED MAIN HW/HWR PIPING AND CONNECT TO NEW HW/HWR PIPING AS SHOWN.
 16. PRESSURE TEST ALL NEW PIPING FOR 24 HOURS WITH NO LOSS OF PRESSURE PRIOR TO INSULATING FITTINGS AND OPENING MAIN VALVES. (TYPICAL)

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CHIPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO COMMENCEMENT OF ANY WORK.

FINAL AIR BALANCING NOTE

PROVIDE FINAL AIR BALANCING AFTER COMPLETION OF MECHANICAL WORK, INCLUDING ALL EXISTING AND NEW OUTDOOR SUPPLY AIR BRANCH DUCTS SUPPLIED TO GROUND FLOOR, 2ND FLOOR, 3RD FLOOR, 4TH FLOOR AND 5TH FLOOR. SUBMIT THREE (3) COPIES OF THE AIR BALANCE REPORT TO THE CONSULTANT FOR REVIEW.



SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-04-2022	ISSUED FOR 80% REVIEW
4	06-13-2022	ISSUED FOR TENDER

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email: engineering
@gpyengineering.com

PROFESSIONAL
ENGINEERING
DESIGN
G.S. YODELIS
06/13/2022
PROVINCE OF ONTARIO

PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: **S.P.R./G.G.**

SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 3RD FLOOR
AREA 'A'
MECHANICAL NEW LAYOUT

SHEET NUMBER:

M-206

GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.

2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.

3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL AND ELECTRICAL SERVICES.

4. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.

5. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.

6. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER. PROVIDE ACCESS PANELS/DOORS AS REQUIRED.

7. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.

8. CONTRACTOR SHALL SAFELY AND CAREFULLY REMOVE EXISTING SPACE TEMPERATURE SENSORS AND RETURN TO OWNER FOR SPARE PARTS. REMOVAL OF SPACE TEMPERATURE SENSORS SHALL BE DONE BY CONTROLS CONTRACTOR ONLY, NOT BY ANY OTHER TRADES. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC) SHALL BE DEMOLISHED AND REMOVED FROM SITE.

9. PROVIDE NECESSARY PROTECTIONS FOR ALL WORKSTATIONS, FURNITURE, PARTITION WALL, FLOORING AND WINDOWS ON THE 3RD FLOOR PRIOR TO COMMENCEMENT OF ANY WORK.

10. CONTRACTOR SHALL REMOVE ALL PROTECTIONS USED ON 3RD FLOOR AS NOTED ABOVE AND CLEAN THE SPACES AS REQUIRED BEFORE THE START OF EACH REGULAR BUSINESS DAY.

11. DRAWING NO. 9 (PROTECTION) & NOTE NO. 10 (REMOVAL & CLEAN-UP) SHALL BE DONE REPEATEDLY FOR THE DURATION OF WORK PERIOD.

DRAWING NOTES

1. EXISTING OUTDOOR AIR SUPPLY DUCTWORK IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)

2. EXISTING OUTDOOR AIR SUPPLY DUCT RISER TO REMAIN.

3. EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER SUPPLY & RETURN PIPING IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)

4. CONNECT NEW OUTDOOR AIR SUPPLY DUCT TO EXISTING DUCTWORK AND MAKE GOOD INSULATION.

5. NEW OUTDOOR AIR SUPPLY DUCT UP TO 4TH FLOOR, PROVIDE FIRE DAMPER AT FLOOR SLAB PENETRATION, PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/DRILLING AS REQUIRED. FOR CONTINUATION REFER TO DRAWING NO. M-206 & M-207.

6. CONNECT NEW CHILLED WATER SUPPLY PIPE TO EXISTING SAME SERVICE PIPING AT THIS POINT AND MAKE GOOD INSULATION.

7. RUN NEW CHILLED WATER SUPPLY PIPE UP TO 3RD FLOOR. FOR CONTINUATION REFER TO DRAWING NO. M-206, M-210 & M-211.

8. DISCONNECT AND CAP EXISTING HOT WATER RETURN PIPING. CONNECT EXISTING VALUED HOT WATER SUPPLY PIPE TO EXISTING SERVICES AS SHOWN. MAKE GOOD INSULATION AS REQUIRED.

9. DISCONNECT AND CAP EXISTING HOT WATER SUPPLY PIPING. CONNECT EXISTING VALUED HOT WATER SUPPLY PIPE TO EXISTING SERVICES AS SHOWN. MAKE GOOD INSULATION AS REQUIRED.

10. PROVIDE NEW 200 HEATING WATER SUPPLY/RETURN PIPE AND CONNECT TO EXISTING SERVICES. EXTEND NEW HEATING WATER SUPPLY/RETURN PIPE UP TO 4TH FLOOR AND CONNECT TO NEW FLOOR MOUNTED WALL FIN HEATER. PROVIDE NEW FLOOR SLAB OPENINGS FOR HEATING SUPPLY & RETURN PIPES. ENSURE PIPES ARE WITHIN WALL FIN ENCLOSURE. PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/DRILLING/PIRE-STOPPING AS REQUIRED. (TYPICAL)

11. PROVIDE NEW 200 BY-PASS LINE BETWEEN HEATING SUPPLY AND RETURN PIPE C/W COIL BY-PASS ACTUATOR WITH 2-WAY VALVE. BY-PASS ACTUATOR SHALL BE INTERLOCKED WITH BUILDING AUTOMATION SYSTEM.

12. CONNECT NEW HOT WATER SUPPLY PIPE TO EXISTING SAME SERVICE PIPING AT THIS POINT AND MAKE GOOD INSULATION. PROVIDE SHUT-OFF VALVE. EXACT CONNECTION TO BE VERIFIED ON SITE.

13. DISCONNECT AND CAP EXISTING HOT WATER RETURN PIPING. CONNECT NEW VALUED HOT WATER SUPPLY PIPE TO EXISTING SERVICES AS SHOWN. MAKE GOOD INSULATION AS REQUIRED.

14. INSTALL NEW HEATING WATER SUPPLY AND RETURN PIPING C/W INSULATION. SIZES OF NEW HEATING PIPING SHALL MATCH EXISTING HEATING PIPING SIZES. NEW HEATING PIPING SHALL BE SCHEDULE 40 SLAB SIZE. INSTALL PIPE FITTINGS ARE PERMITTED IN ACCESSIBLE SPACES ONLY. PROVIDE NEW PIPE HANGERS AS REQUIRED. INSTALL NEW HEATING PIPING TIGHT TO EXISTING SLAB AND BEAMS TO ALLOW FOR FUTURE HVAC EQUIPMENT/TERMINAL UNITS/ DUCTWORK/ DIFFUSERS INSTALLATIONS.

15. REMOVE CAP OF EXISTING VALVED MAIN HW/HWR PIPING AND CONNECT TO NEW HW/HWR PIPING AS SHOWN.

16. PRESSURE TEST ALL NEW PIPING FOR 24 HOURS WITH NO LOSS OF PRESSURE PRIOR TO INSULATING FITTINGS AND OPENING MAIN VALVES. (TYPICAL)

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO COMMENCEMENT OF ANY WORK.

FINAL AIR BALANCING NOTE

PROVIDE FINAL AIR BALANCING AFTER COMPLETION OF MECHANICAL WORK, INCLUDING ALL EXISTING AND NEW OUTDOOR SUPPLY AIR BRANCH DUCTS SUPPLIED TO GROUND FLOOR, 2ND FLOOR, 3RD FLOOR, 4TH FLOOR AND 5TH FLOOR. SUBMIT THREE (3) COPIES OF THE AIR BALANCE REPORT TO THE CONSULTANT FOR REVIEW.

AREA 'B'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 90% REVIEW
4	06-13-2022	ISSUED FOR TENDER

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email: engineering@gpyengineering.com

PROFESSIONAL ENGINEER
G.S. YODELIS
06/13/2022
PROVINCE OF ONTARIO

YORK REGION

PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	PROJECT #9907
	YORK REGION
	Administrative Centre 17250 Yonge Street Newmarket, Ontario
SCALE:	1:100m
DRAWN BY:	S.P.R./G.G.
SUBMITTED TO:	MUNICIPALITY OF YORK
SHEET TITLE:	PARTIAL 3RD FLOOR AREA 'B' MECHANICAL NEW LAYOUT
SHEET NUMBER:	M-207

- GENERAL NOTES
1.

CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
2.

ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
3.

CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL AND ELECTRICAL SERVICES.
4.

WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
5.

PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL, CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
6.

ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER. PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
7.

ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
8.

CONTROLS CONTRACTOR SHALL SAFELY AND CAREFULLY REMOVE EXISTING SPACE TEMPERATURE SENSORS AND RETURN TO OWNER FOR SPARE PARTS. REMOVAL OF SPACE TEMPERATURE SENSORS SHALL BE DONE BY CONTROLS CONTRACTOR ONLY, NOT BY ANY OTHER TRADES. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC) SHALL BE DEMOLISHED AND REMOVED FROM SITE.
9.

PROVIDE NECESSARY PROTECTIONS FOR ALL WORKSTATIONS, FURNITURE, PARTITION WALL, FLOORING AND WINDOWS ON THE 3RD FLOOR PRIOR TO COMMENCEMENT OF ANY WORK.
10.

CONTRACTOR SHALL REMOVE ALL PROTECTIONS USED ON 3RD FLOOR AS NOTED ABOVE AND CLEAN THE SPACES AS REQUIRED BEFORE THE START OF EACH REGULAR BUSINESS DAY.
11.

DRAWING NOTE NO. 9 (PROTECTION) & NOTE NO. 10 (REMOVAL & CLEAN-UP) SHALL BE DONE REPEATEDLY FOR THE DURATION OF WORK PERIOD.

- DRAWING NOTES
- ①

EXISTING OUTDOOR AIR SUPPLY DUCTWORK IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
- ②

EXISTING OUTDOOR AIR SUPPLY DUCT RISER TO REMAIN.
- ③

EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER SUPPLY & RETURN PIPING IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
- ④

CONNECT NEW OUTDOOR AIR SUPPLY DUCT TO EXISTING DUCTWORK AND MAKE GOOD INSULATION.
- ⑤

NEW OUTDOOR AIR SUPPLY DUCT UP TO 4TH FLOOR, PROVIDE FIRE DAMPER AT FLOOR SLAB PENETRATION. PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/DRILLING AS REQUIRED. FOR CONTINUATION REFER TO DRAWING NO. M-208 & M-207.
- ⑥

CONNECT NEW CHILLED WATER SUPPLY PIPE TO EXISTING SAME SERVICE PIPING AT THIS POINT AND MAKE GOOD INSULATION.
- ⑦

RUN NEW CHILLED WATER SUPPLY PIPE UP TO 3RD FLOOR. FOR CONTINUATION REFER TO DRAWING NO. M-208, M-210 & M-211.
- ⑧

DISCONNECT AND CAP EXISTING HOT WATER RETURN PIPING. CONNECT EXISTING VALUED HOT WATER SUPPLY PIPE TO EXISTING SERVICES AS SHOWN. MAKE GOOD INSULATION AS REQUIRED.
- ⑨

DISCONNECT AND CAP EXISTING HOT WATER SUPPLY PIPING. CONNECT EXISTING VALUED HOT WATER SUPPLY PIPE TO EXISTING SERVICES AS SHOWN. MAKE GOOD INSULATION AS REQUIRED.
- ⑩

PROVIDE NEW 200 HEATING WATER SUPPLY/RETURN PIPE AND CONNECT TO EXISTING SERVICES. EXTEND NEW HEATING WATER SUPPLY/RETURN PIPE UP TO 4TH FLOOR AND CONNECT TO NEW FLOOR MOUNTED WALL FIN HEATER. PROVIDE NEW FLOOR SLAB OPENINGS FOR HEATING SUPPLY & RETURN PIPES. ENSURE PIPES ARE WITHIN WALL FIN ENCLOSURE. PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/DRILLING/ PRE-STOPPING AS REQUIRED. (TYPICAL)
- ⑪

PROVIDE NEW 200 BY-PASS LINE BETWEEN HEATING SUPPLY AND RETURN PIPE C/W COIL BY-PASS ACTUATOR WITH 2-WAY VALVE. BY-PASS ACTUATOR SHALL BE INTERLOCKED WITH BUILDING AUTOMATION SYSTEM.
- ⑫

CONNECT NEW HOT WATER SUPPLY PIPE TO EXISTING SAME SERVICE PIPING AT THIS POINT AND MAKE GOOD INSULATION. PROVIDE SHUT-OFF VALVE. EXACT CONNECTION TO BE VERIFIED ON SITE.
- ⑬

DISCONNECT AND CAP EXISTING HOT WATER RETURN PIPING. CONNECT NEW VALUED HOT WATER SUPPLY PIPE TO EXISTING SERVICES AS SHOWN. MAKE GOOD INSULATION AS REQUIRED.
- ⑭

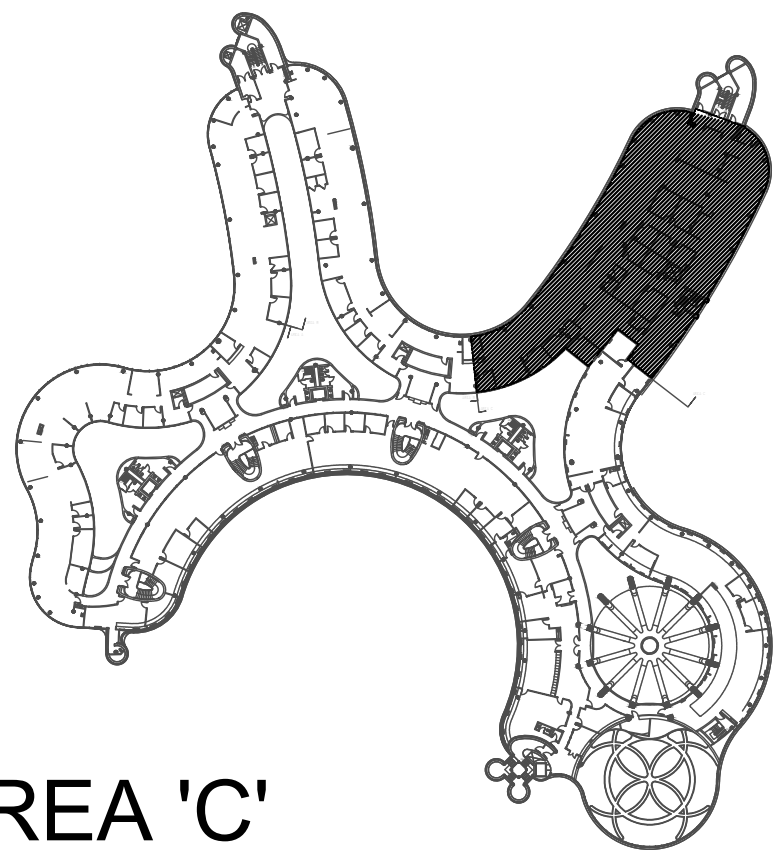
INSTALL NEW HEATING WATER SUPPLY AND RETURN PIPING C/W INSULATION. SIZES OF NEW HEATING PIPING SHALL MATCH EXISTING HEATING PIPING SIZES. NEW HEATING PIPING SHALL BE SCHEDULE 40 SLAB SIZE. INSTALL PIPE FITTINGS ARE PERMITTED IN ACCESSIBLE SPACES ONLY. PROVIDE NEW PIPE HANGERS AS REQUIRED. INSTALL NEW HEATING PIPING TIGHT TO EXISTING SLAB AND BEAMS TO ALLOW FOR FUTURE HVAC EQUIPMENT/ TERMINAL UNITS/ DUCTWORK/ DIFFUSERS INSTALLATIONS.
- ⑮

REMOVE CAP OF EXISTING VALUED MAIN HW/HWR PIPING AND CONNECT TO NEW HW/HWR PIPING AS SHOWN.
- ⑯

PRESSURE TEST ALL NEW PIPING FOR 24 HOURS WITH NO LOSS OF PRESSURE PRIOR TO INSULATING FITTINGS AND OPENING MAIN VALVES. (TYPICAL)

- NOTES
- ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO COMMENCEMENT OF ANY WORK.

- FINAL AIR BALANCING NOTE
- PROVIDE FINAL AIR BALANCING AFTER COMPLETION OF MECHANICAL WORK, INCLUDING ALL EXISTING AND NEW OUTDOOR SUPPLY AIR BRANCH DUCTS SUPPLIED TO GROUND FLOOR, 2ND FLOOR, 3RD FLOOR, 4TH FLOOR AND 5TH FLOOR. SUBMIT THREE (3) COPIES OF THE AIR BALANCE REPORT TO THE CONSULTANT FOR REVIEW.



AREA 'C'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 90% REVIEW
4	06-13-2022	ISSUED FOR TENDER

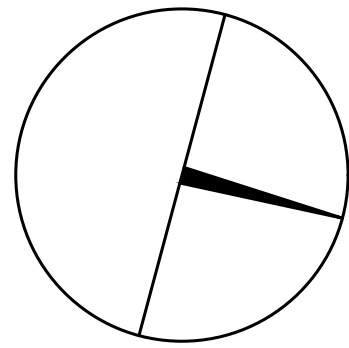
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email: engineering@gpyengineering.com



PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: S.P.R./G.G.

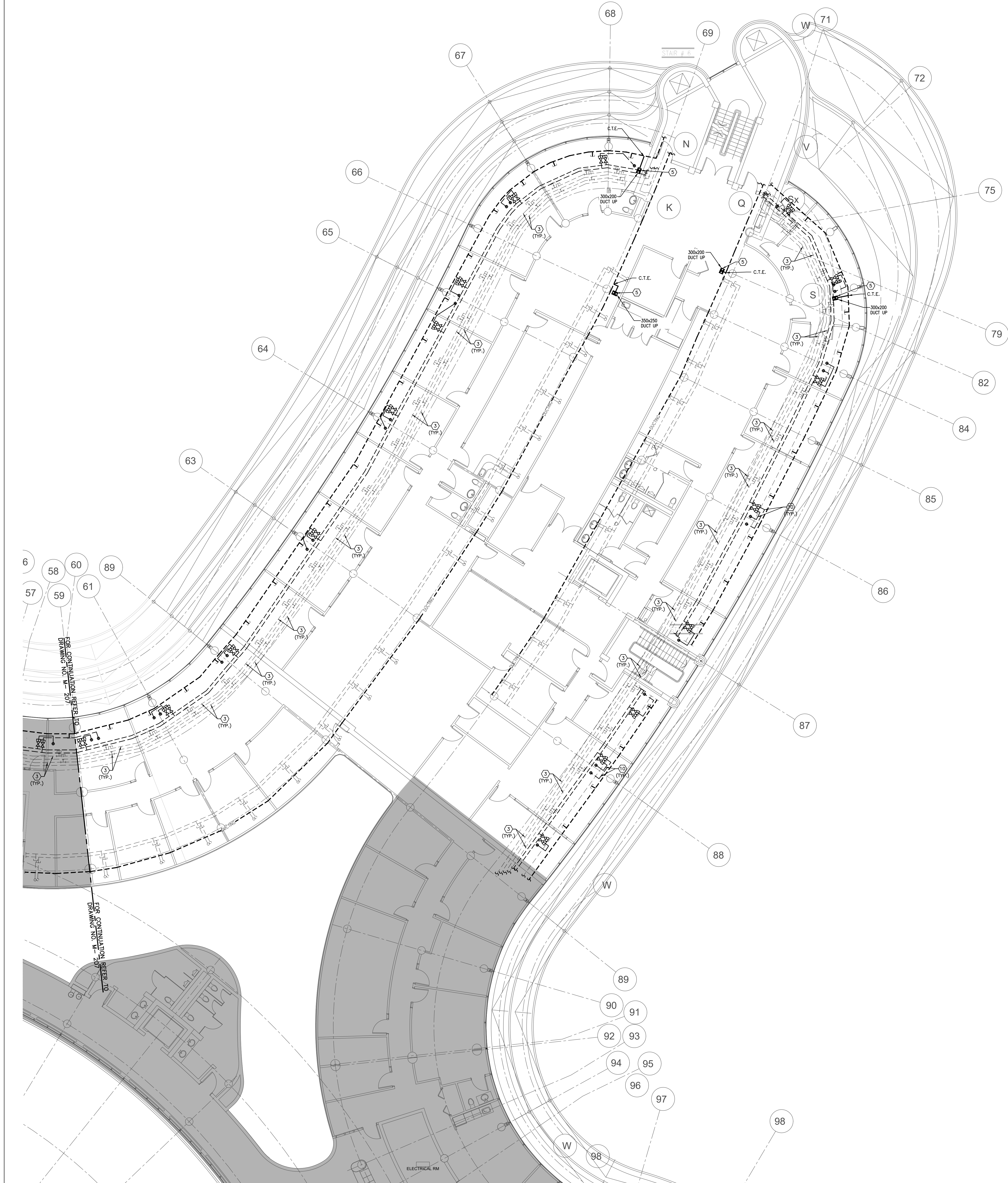
SUBMITTED TO: MUNICIPALITY OF YORK

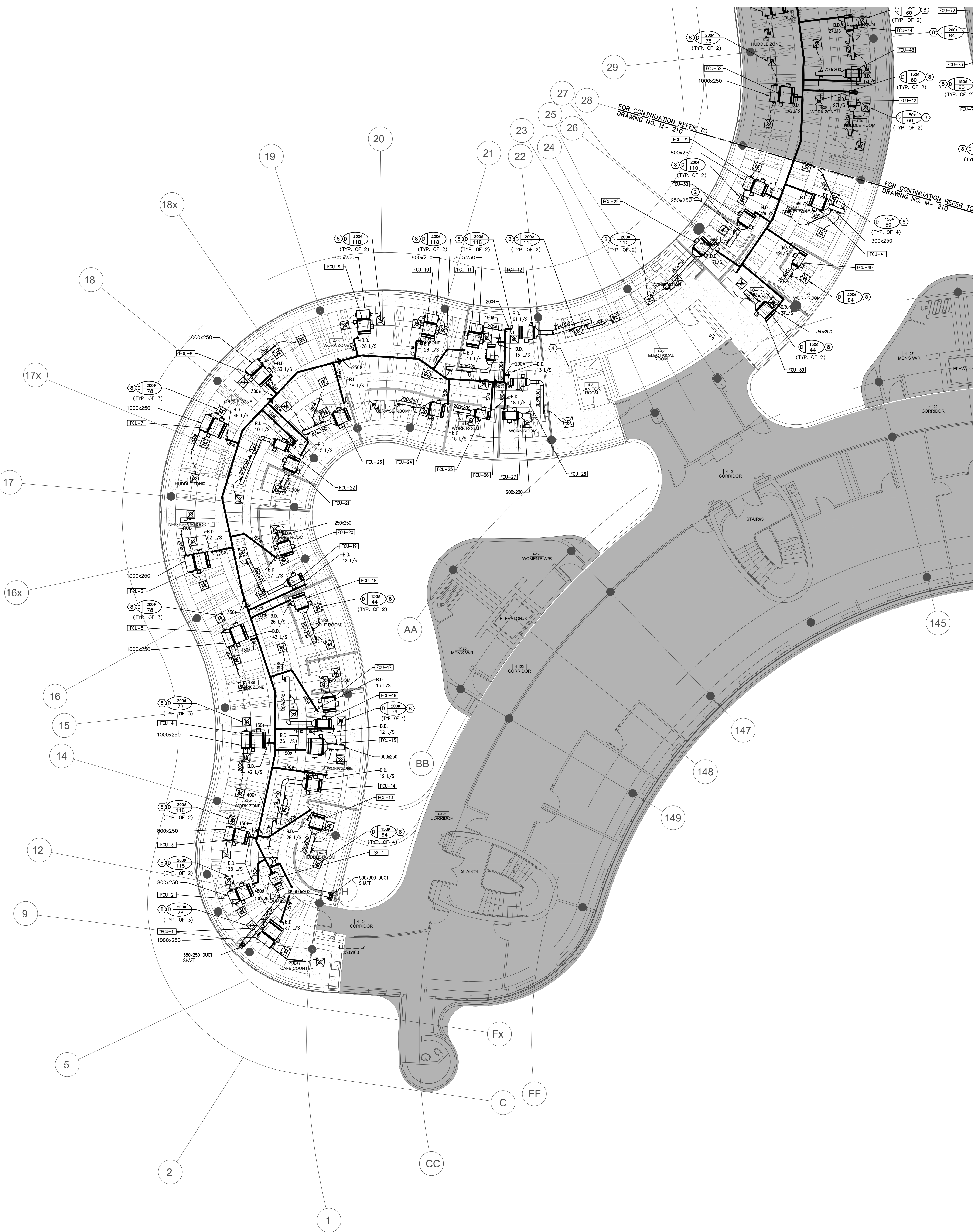
SHEET TITLE:

PARTIAL 3RD FLOOR
AREA 'C'
MECHANICAL NEW LAYOUT

SHEET NUMBER:

M-208





- GENERAL NOTES**
1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDUITING PRIOR TO SUBMITTING ANY QUOTATION.
 2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
 3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL AND ELECTRICAL SERVICES.
 4. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
 5. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
 6. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER. PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
 7. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
 8. CONTRACTOR SHALL SAFELY AND CAREFULLY REMOVE EXISTING SPACE TEMPERATURE SENSORS AND RETURN TO OWNER FOR SPARE PARTS. REMOVAL OF SPACE TEMPERATURE SENSORS SHALL BE DONE BY CONTRACTOR ONLY, NOT BY ANY OTHER TRADES. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC) SHALL BE DEMOLISHED AND REMOVED FROM SITE.
 9. INSTALLATION HEIGHT OF TEMPERATURE SENSORS SHALL BE 4'-0". EXACT LOCATION TO BE COORDINATED ON SITE WITH THE ARCHITECT. (TYPICAL FOR ALL)

- DRAWING NOTES**
- ① NEW OUTDOOR AIR SUPPLY DUCT FROM THIRD FLOOR C/W FIRE DAMPER.
 - ② NEW RETURN AIR TRANSFER DUCT. SIZE AS INDICATED. REFER TO DETAIL NO. 14/M-103 FOR DETAILS. (TYPICAL)
 - ③ PROVIDE NEW FAN COIL UNIT IN CEILING SPACE C/W ASSOCIATED CONTROLS, HANGERS, SUPPORTS, ISOLATORS AND SUPPLY/RETURN AIR DUCTWORK. REFER TO DRAWING NO. M-100, M-101, M-102 & M-103 FOR SPECIFICATIONS & DETAILS. INSTALL UNIT TIGHT TO CEILING SLAB AS HIGH AS POSSIBLE. (TYPICAL)
 - ④ NEW OPEN-ENDED OUTDOOR AIR SUPPLY DUCT C/W BALANCING DAMPER. DUCT SHALL BE INDIRECTLY TERMINATED CLOSE TO RETURN AIR SIDE OF FAN COIL UNIT. BALANCE TO AIR QUANTITIES AS INDICATED. ALL FRESH AIR DUCT SHALL BE SOUND DUCT AS SHOWN. (TYPICAL)
 - ⑤ PROVIDE NEW LINEAR SLOT DIFFUSER C/W PLENUM BOX. DIFFUSER SHALL HAVE A CABLE OPERATED DAMPER MOUNTED ON HOOK. BALANCE TO AIR QUANTITY AS INDICATED. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
 - ⑥ PROVIDE 1" WIDE ARCHITECTURAL SLOT FOR RETURN AIR. RETURN SLOT SHALL HAVE SIGHT BATTLE ABOVE.
 - ⑦ PROVIDE FRESH AIR SUPPLY FAN IN CEILING SPACE C/W ASSOCIATED UNIT-MOUNTED SPEED CONTROLLER, HANGERS, SUPPORTS, ISOLATORS AND OUTDOOR FAN TO BE INTERLOCKED WITH EXISTING BAS. REFER TO DRAWING NO. M-100 & M-104 FOR SPECIFICATIONS & DETAILS.
 - ⑧ PROVIDE NEW SQUARE CONE DIFFUSER AND BALANCE TO AIR QUANTITY AS INDICATED. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
 - ⑨ PROVIDE NEW RETURN AIR GRILLES. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
 - ⑩ EXISTING DELTA BAS CONTROLLER IN CEILING SPACE OF THIS FLOOR REMAIN.
 - ⑪ EXISTING THERMOSTAT C/W CONTROL WIRING TO REMAIN.

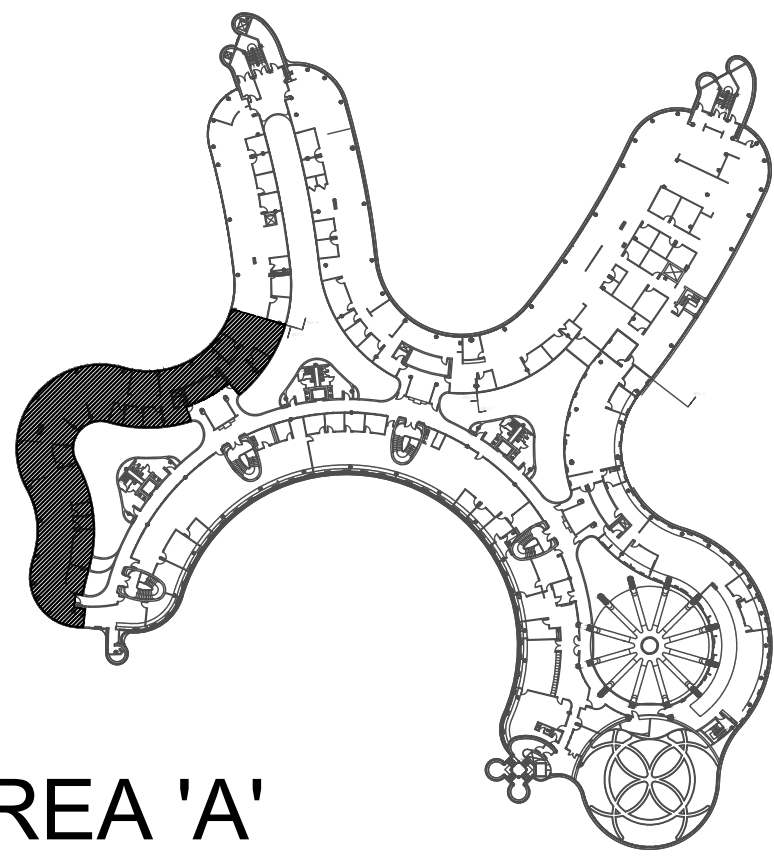
NOTES

ALL MECHANICAL WORKS INVOLVED IN 3RD FLOOR SHALL BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). INCLUDE REMOVING/CAPPING CEILING SPACE OUTDOOR AIR DUCTWORK, CHILLED WATER PIPES/HEATING WATER PIPES REMOVING/CAPPING/NEW CONNECTING, FLOOR CUTTING/PATCHING, CONCRETE/BRICK REMOVING/NEW CONNECTING E.T.C. CONTRACTOR SHALL COORDINATOR WITH REGION'S PM PRIOR TO ANY WORK COMMENCING.

FINAL AIR BALANCING NOTE

① PROVIDE FINAL AIR BALANCING AFTER COMPLETION OF MECHANICAL WORK, INCLUDING ALL EXISTING AND NEW OUTDOOR SUPPLY AIR BRANCH DUCTS SUPPLIED TO GROUND FLOOR, 2ND FLOOR, 3RD FLOOR, 4TH FLOOR AND 5TH FLOOR. SUBMIT THREE (3) COPIES OF THE AIR BALANCE REPORT TO THE CONSULTANT FOR REVIEW

- FAN COIL UNIT NOTES**
1. PRIOR TO FAN COIL UNIT INSTALLATION, CONTRACTOR TO PROVIDE A MOCK-UP OF THE HORIZONTAL FAN COIL UNIT FOR YORK REGION'S PM & CONSULTANT'S REVIEW AND COMMENTS. INSTALLATION OF FAN COIL UNIT SHALL NOT PROCEED WITHOUT APPROVAL FROM YORK REGION'S PM & CONSULTANTS.
 2. CONTRACTOR TO ENSURE NEW FAN COIL UNIT FILTER RACK IS SECURELY ATTACHED AT THE RETURN AIR SIDE OF THE UNIT. OPEN-ENDED OUTDOOR AIR SUPPLY DUCT SHALL BE INDIRECTLY TERMINATED CLOSE TO RETURN AIR SIDE OF FAN COIL UNIT. REFER TO DETAIL NO. 8/M-103.
 3. FILTER RACK SHALL BE SIZE TO ACCEPT FILTER SIZES AS PER JOHNSON'S CONTROLS. FILTER SIZE GUIDE BELOW:
2.1 FHP03 (1/2 TON) FILTER SIZE: 19"x10.5"x1"
2.2 FHP06 (1 TON) FILTER SIZE: 31"x10.5"x1"
2.3 FHP08 (1-1/4 TON) FILTER SIZE: 2 SETS OF 19"x10.5"x1"



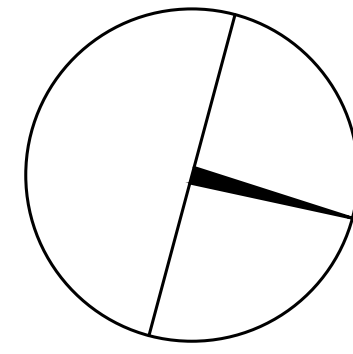
SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

G. Bruce Stratton Architects

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Markham, Ontario L3R 8C5
Tel: 905 475 3138
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email: engineering@gpyengineering.com



PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: **S.P.R./G.G.**

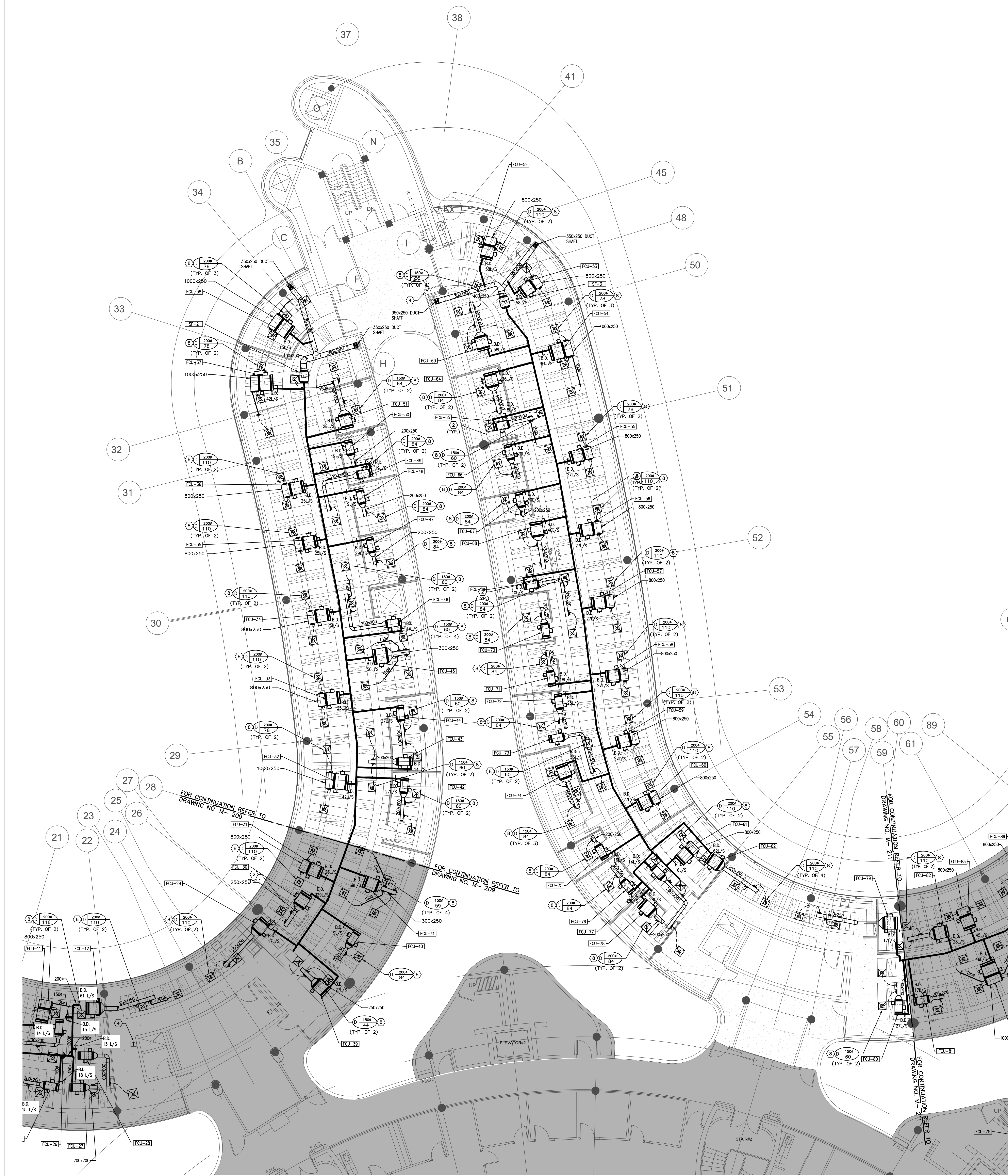
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR
AREA 'A'
HVAC NEW LAYOUT

SHEET NUMBER:

M-209



GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL AND ELECTRICAL SERVICES.
4. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
5. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL, CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
6. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER. PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
7. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
8. CONTRACTOR SHALL SAFELY AND CAREFULLY REMOVE EXISTING SPACE TEMPERATURE SENSORS AND RETURN TO OWNER FOR SPARE PARTS. REMOVAL OF SPACE TEMPERATURE SENSORS SHALL BE DONE BY CONTRACTOR ONLY, NOT BY ANY OTHER TRADES. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC) SHALL BE DEMOLISHED AND REMOVED FROM SITE.
9. INSTALLATION HEIGHT OF TEMPERATURE SENSORS SHALL BE 4'-0". EXACT LOCATION TO BE COORDINATED ON SITE WITH THE ARCHITECT. (TYPICAL FOR ALL)

DRAWING NOTES

- ① NEW OUTDOOR AIR SUPPLY DUCT FROM THIRD FLOOR C/W FIRE DAMPER.
- ② NEW RETURN AIR TRANSFER DUCT SIZE AS INDICATED. REFER TO DETAIL NO. 14/M-103 FOR DETAILS. (TYPICAL)
- ③ PROVIDE NEW FAN COIL UNIT IN CEILING SPACE C/W ASSOCIATED CONTROLS, HANGERS, SUPPORTS, ISOLATORS AND SUPPLY/RETURN AIR DUCTWORK. REFER TO DRAWING NO. M-100, M-101, M-102 & M-103 FOR SPECIFICATIONS & DETAILS. INSTALL UNIT TIGHT TO CEILING SLAB AS HIGH AS POSSIBLE. (TYPICAL)
- ④ NEW OPEN-ENDED OUTDOOR AIR SUPPLY DUCT C/W BALANCING DAMPER. DUCT SHALL BE INDIRECTLY TERMINATED CLOSE TO RETURN AIR SIDE OF FAN COIL UNIT. BALANCE TO AIR QUANTITIES AS INDICATED. ALL FRESH AIR DUCT SHALL BE SOUND DUCT AS SHOWN. (TYPICAL)
- ⑤ PROVIDE NEW LINEAR SLOT DIFFUSER C/W PLENUM BOX. DIFFUSER SHALL HAVE A CABLE OPERATED DAMPER MOUNTED ON HOOK. BALANCE TO AIR QUANTITY AS INDICATED. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
- ⑥ PROVIDE 1" WIDE ARCHITECTURAL SLOT FOR RETURN AIR. RETURN SLOT SHALL HAVE 500FT BAYLE ABOVE.
- ⑦ PROVIDE FRESH AIR SUPPLY FAN IN CEILING SPACE C/W ASSOCIATED UNIT-MOUNTED SPEED CONTROLLER, HANGERS, SUPPORTS, ISOLATORS AND DUCTWORK. FAN TO BE INTERLOCKED WITH EXISTING BAS. REFER TO DRAWING NO. M-100 & M-104 FOR SPECIFICATIONS & DETAILS.
- ⑧ PROVIDE NEW SQUARE CONE DIFFUSER AND BALANCE TO AIR QUANTITY AS INDICATED. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
- ⑨ PROVIDE NEW RETURN AIR GRILLES. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
- ⑩ EXISTING DELTA BAS CONTROLLER IN CEILING SPACE OF THIS FLOOR REMAIN.
- ⑪ EXISTING THERMOSTAT C/W CONTROL WIRING TO REMAIN.

NOTES

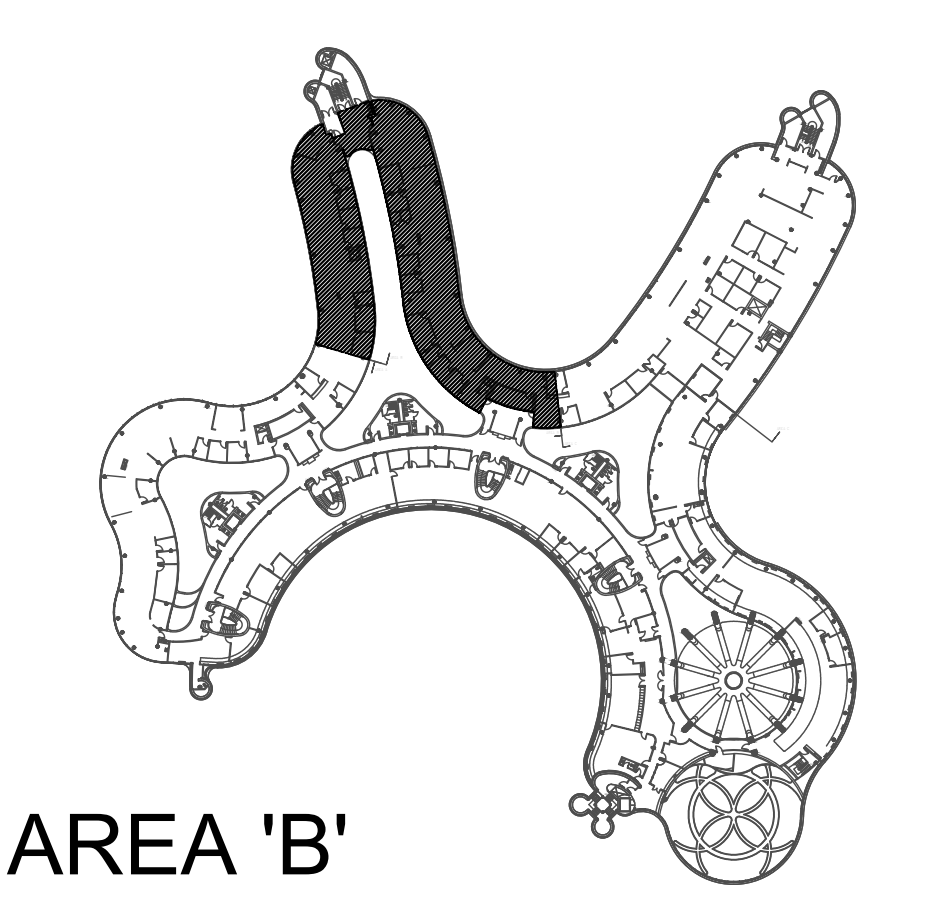
ALL MECHANICAL WORKS INVOLVED IN 3RD FLOOR SHALL BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). INCLUDE REMOVING/CAPPING CEILING SPACE OUTDOOR AIR DUCTWORK, CHILLED WATER PIPES/HEATING WATER PIPES REMOVING/CAPPING/NEW CONNECTING, FLOOR CUTTING/PATCHING, CONDENSATE DRAIN REMOVING/NEW CONNECTING E.T.C. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO ANY WORK COMMENCING.

FINAL AIR BALANCING NOTE

- ① PROVIDE FINAL AIR BALANCING AFTER COMPLETION OF MECHANICAL WORK, INCLUDING ALL EXISTING AND NEW OUTDOOR SUPPLY AIR BRANCH DUCTS SUPPLIED TO GROUND FLOOR, 2ND FLOOR, 3RD FLOOR, 4TH FLOOR AND 5TH FLOOR. SUBMIT THREE (3) COPIES OF THE AIR BALANCE REPORT TO THE CONSULTANT FOR REVIEW.

FAN COIL UNIT NOTES

1. PRIOR TO FAN COIL UNIT INSTALLATION, CONTRACTOR TO PROVIDE A MOCK-UP OF THE HORIZONTAL FAN COIL UNIT FOR YORK REGION'S PM & CONSULTANTS REVIEW AND COMMENTS. INSTALLATION OF FAN COIL UNIT SHALL NOT PROCEED WITHOUT APPROVAL FROM YORK REGION'S PM & CONSULTANTS.
2. CONTRACTOR TO ENSURE NEW FAN COIL UNIT FILTER RACK IS SECURELY ATTACHED AT THE RETURN AIR SIDE OF THE UNIT. OPEN-ENDED OUTDOOR AIR SUPPLY DUCT SHALL BE INDIRECTLY TERMINATED CLOSE TO RETURN AIR SIDE OF FAN COIL UNIT. REFER TO DETAIL NO. 8/M-103.
3. FILTER RACK SHALL BE SIZE TO ACCEPT FILTER SIZES AS PER JOHNSON'S CONTROLS FILTER SIZE GUIDE BELOW:
2.1 FHP03 (1/2 TON) FILTER SIZE: 19"x10.5"x1"
2.2 FHP06 (1 TON) FILTER SIZE: 31"x10.5"x1"
2.3 FHP08 (1-1/4 TON) FILTER SIZE: 2 SETS OF 19"x10.5"x1"

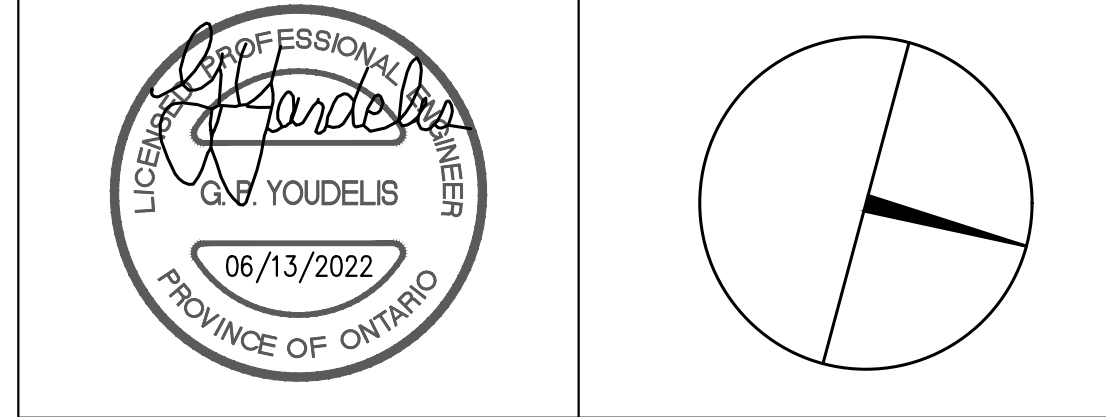


AREA 'B'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

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PROPERTY SERVICES

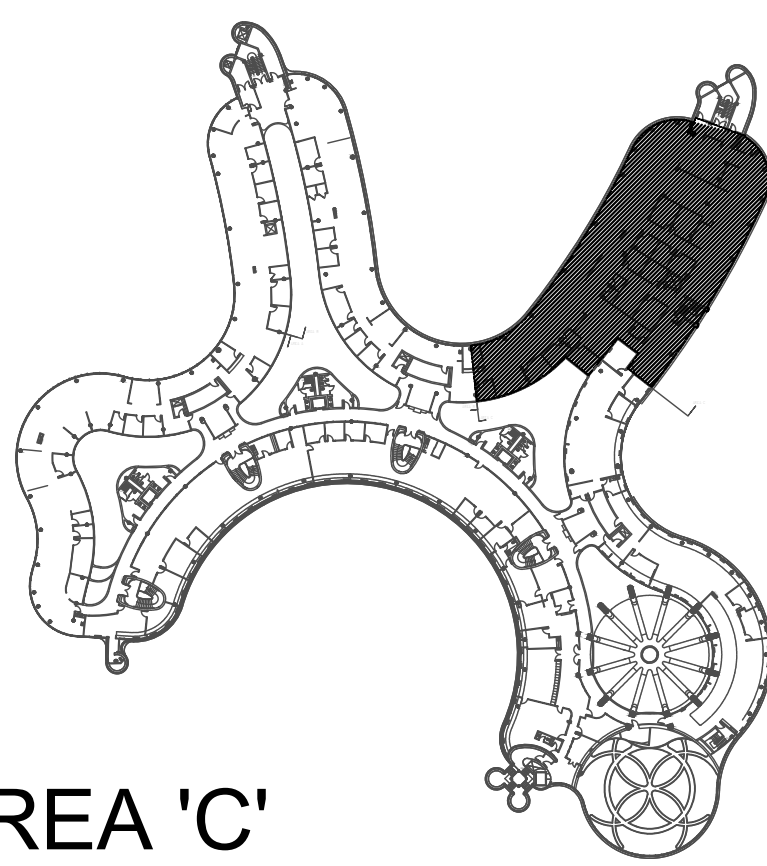
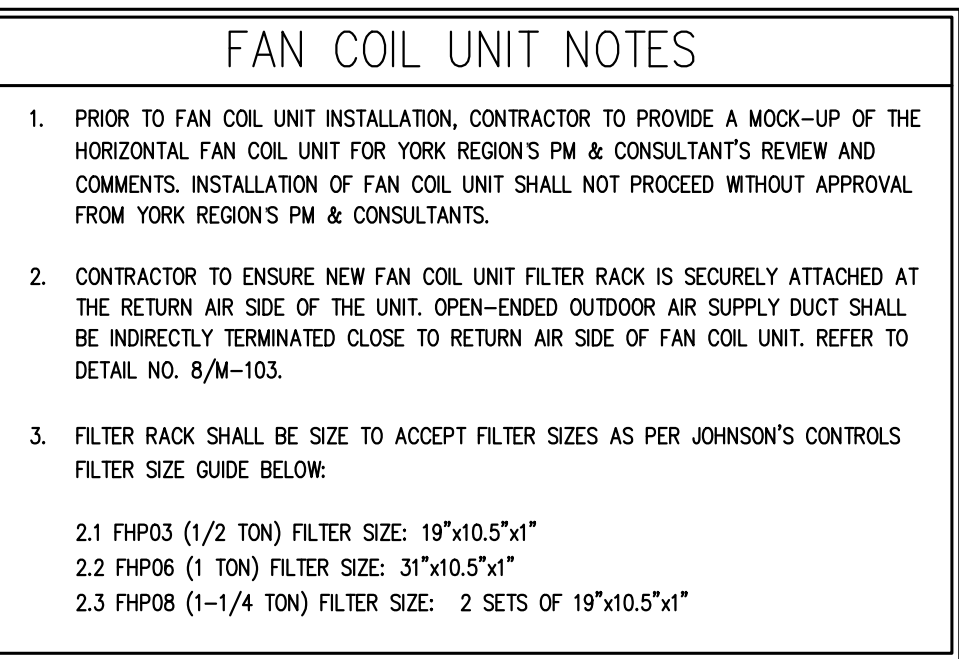
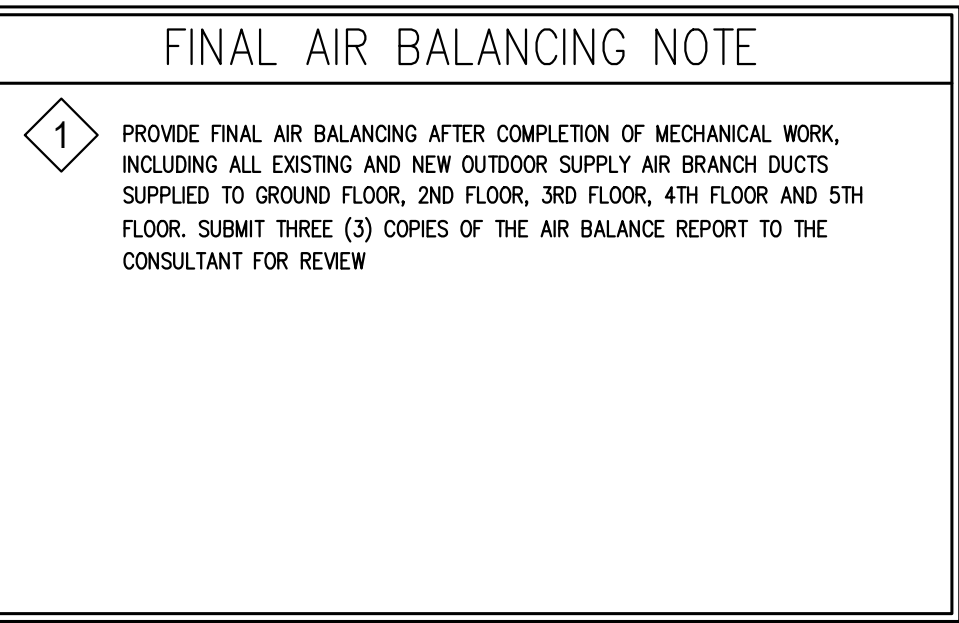
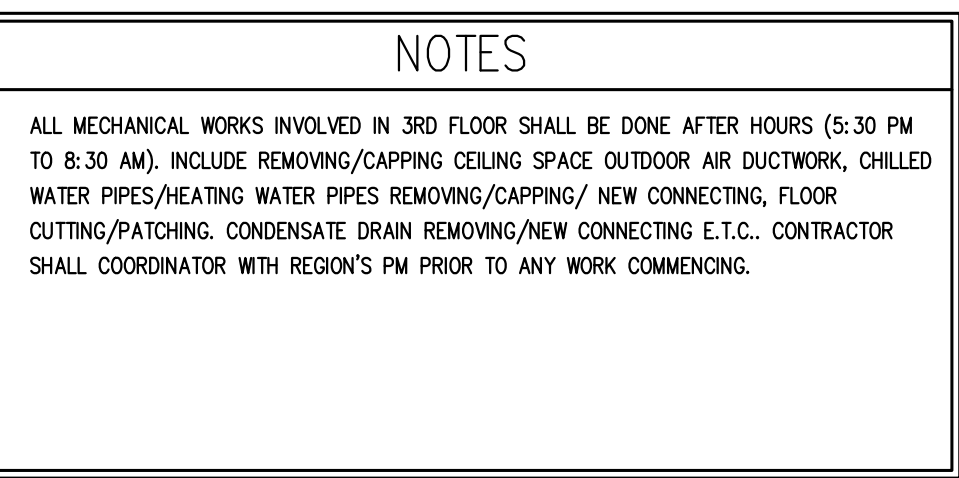
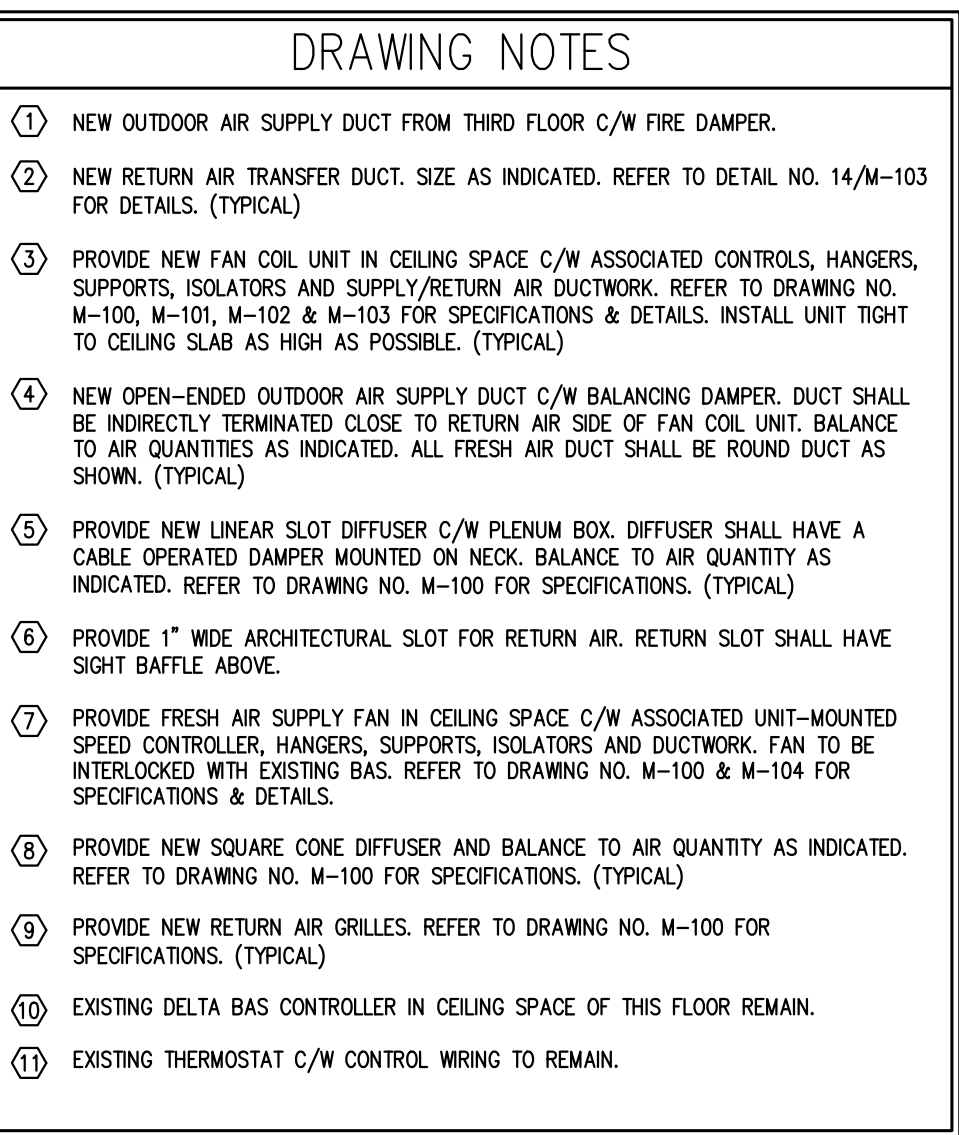
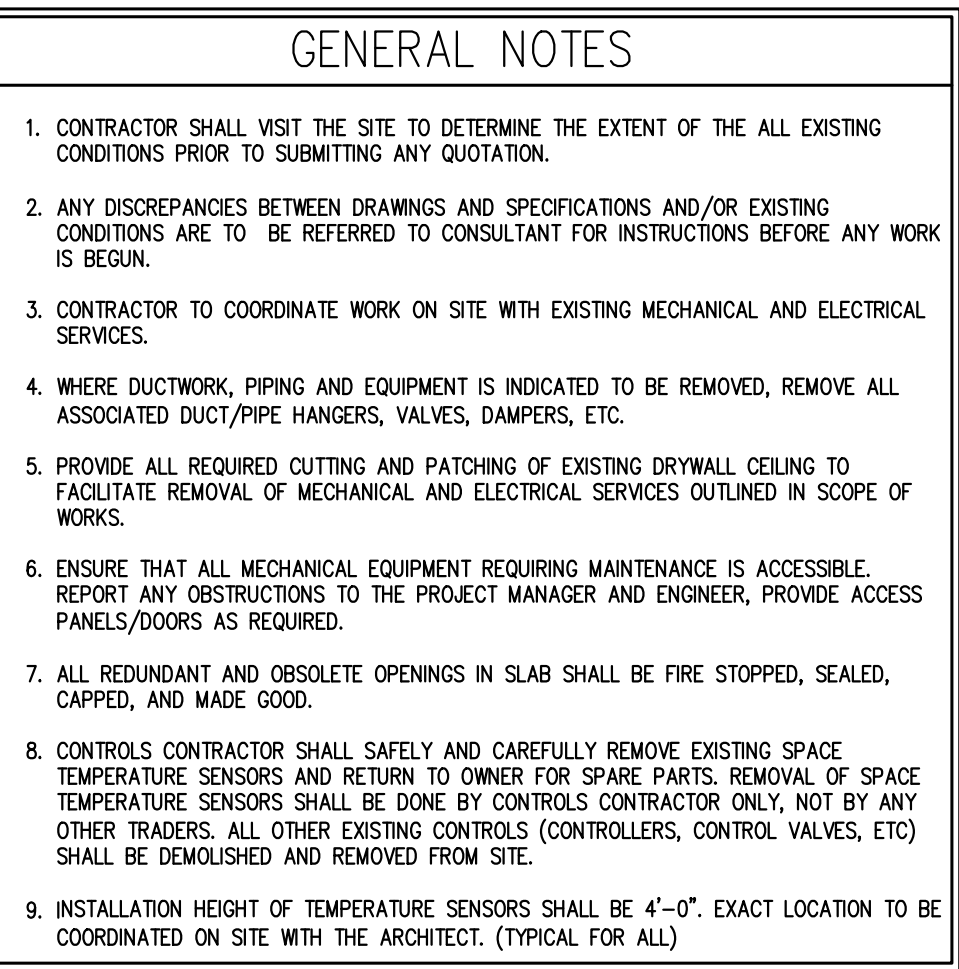
DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907
YORK REGION
Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m
DRAWN BY: **S.P.R./G.G.**
SUBMITTED TO: MUNICIPALITY OF YORK
SHEET TITLE:

PARTIAL 4TH FLOOR
AREA 'B'
HVAC NEW LAYOUT

SHEET NUMBER:
M-210



AREA 'C'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 80% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

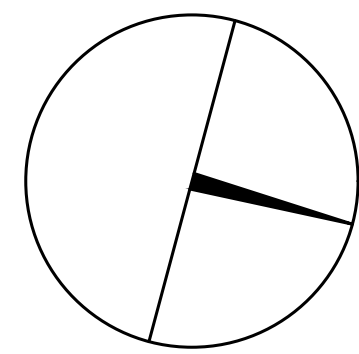
G.Bruce Stratton Architects

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Fax: 866 853 3732
email: engineering
@gpyengineering.com



PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: **S.P.R./G.G.**

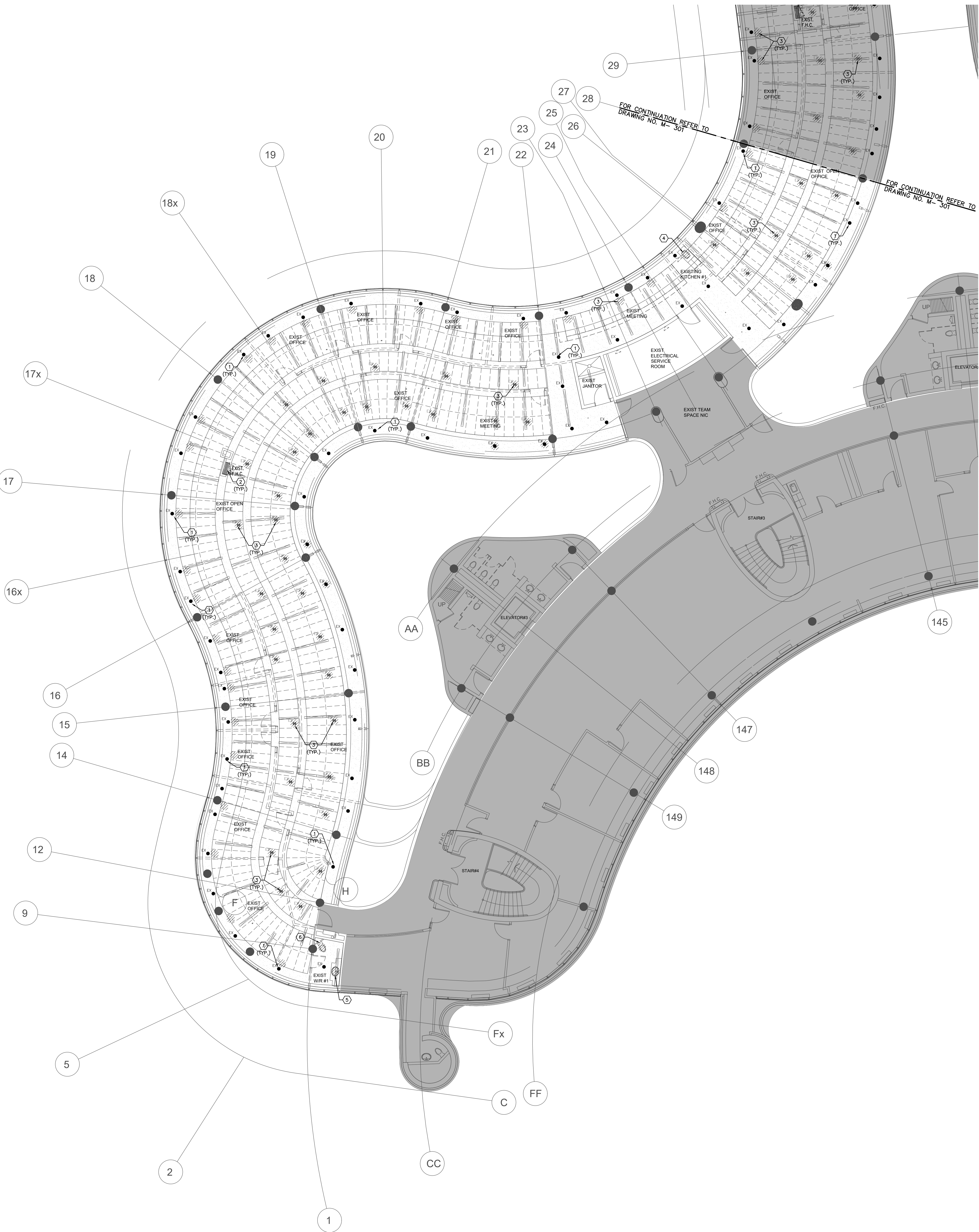
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR AREA 'C' HVAC NEW LAYOUT

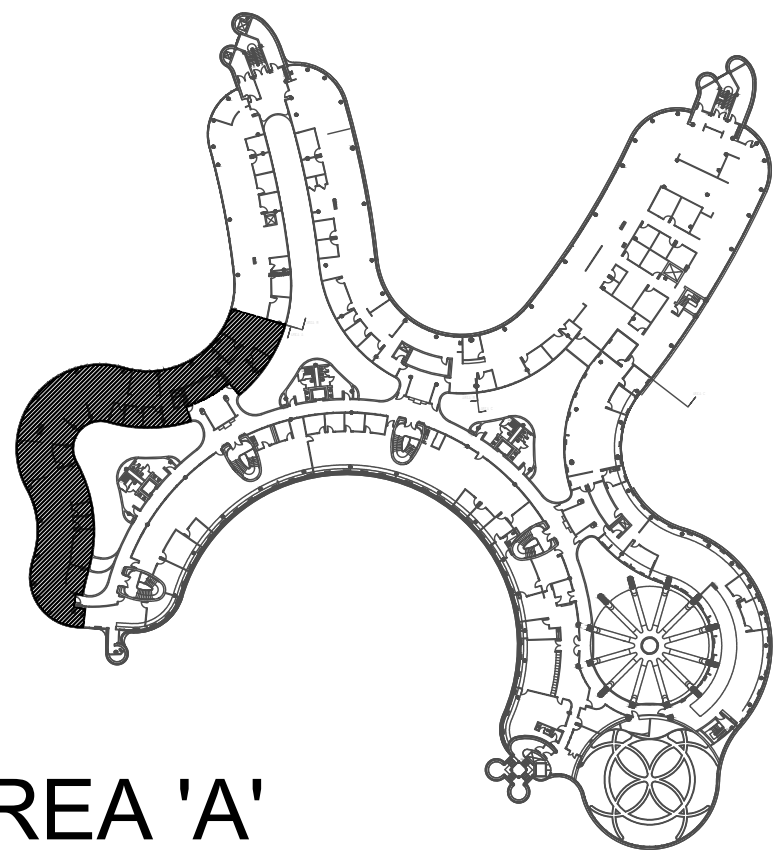
SHEET NUMBER:

M-211



NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN VELDING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C.. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO COMMENCEMENT OF ANY WORK.

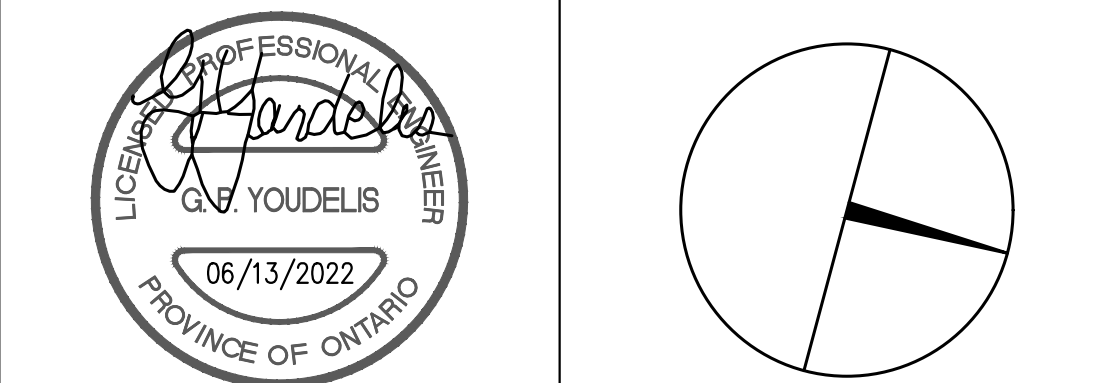


AREA 'A'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

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York Region

PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 4TH

BASE DATE: 01-01-2022

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: **S.P.R./G.G.**

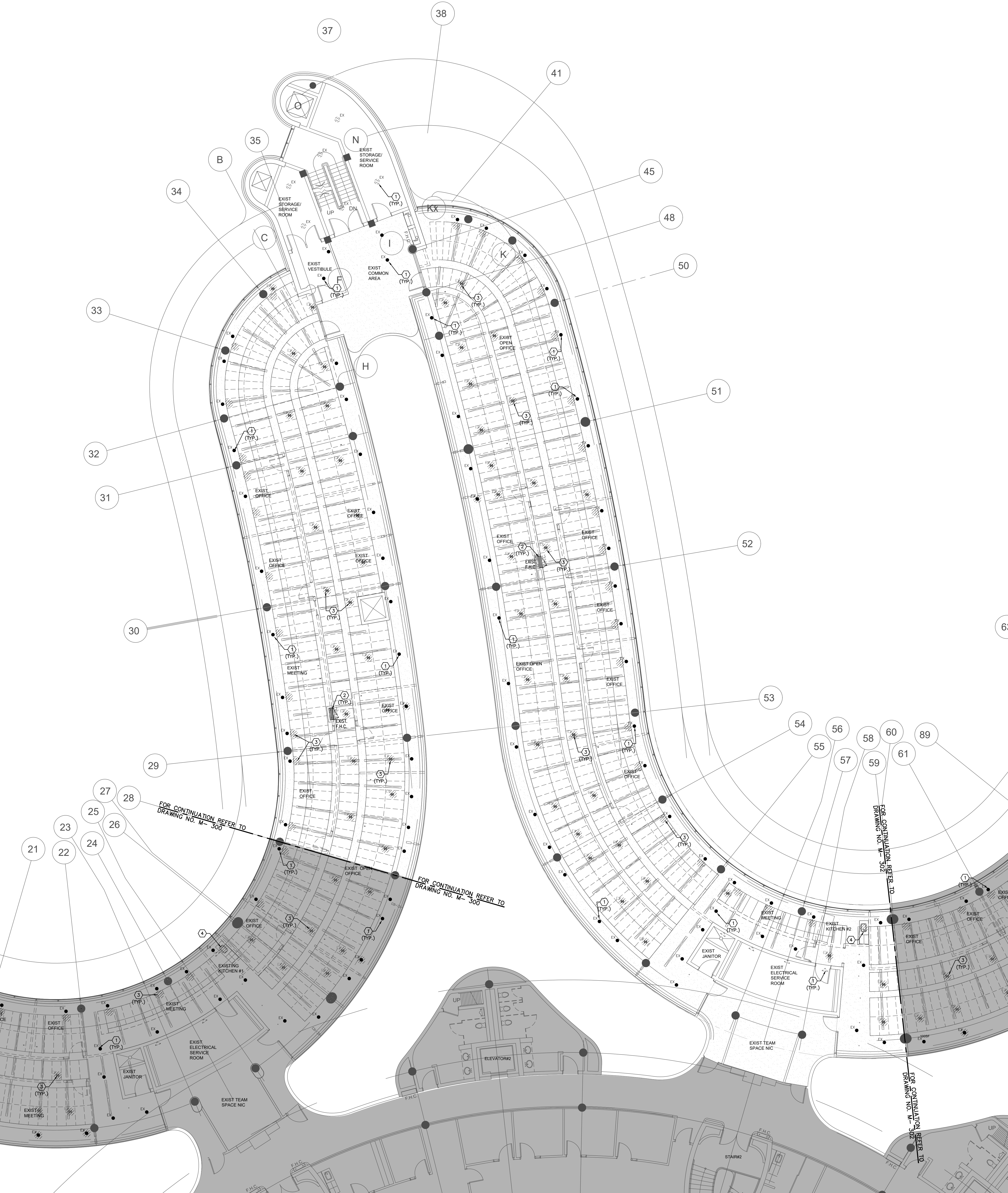
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

**PARTIAL 4TH FLOOR
AREA 'A'
PLUMBING & FIRE PROTECTION
DEMOLITION PLAN**

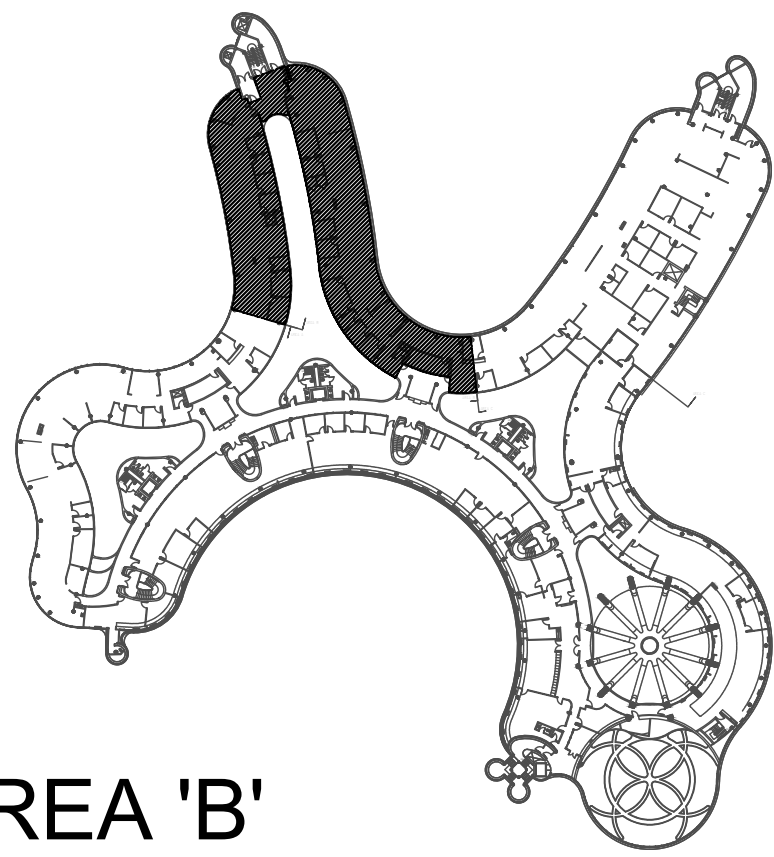
SHEET NUMBER:

M-300



NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN VELDING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C.. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO COMMENCEMENT OF ANY WORK.



AREA 'B'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	06-31-2022	ISSUED FOR 80% REVIEW
4	06-13-2022	ISSUED FOR TENDER

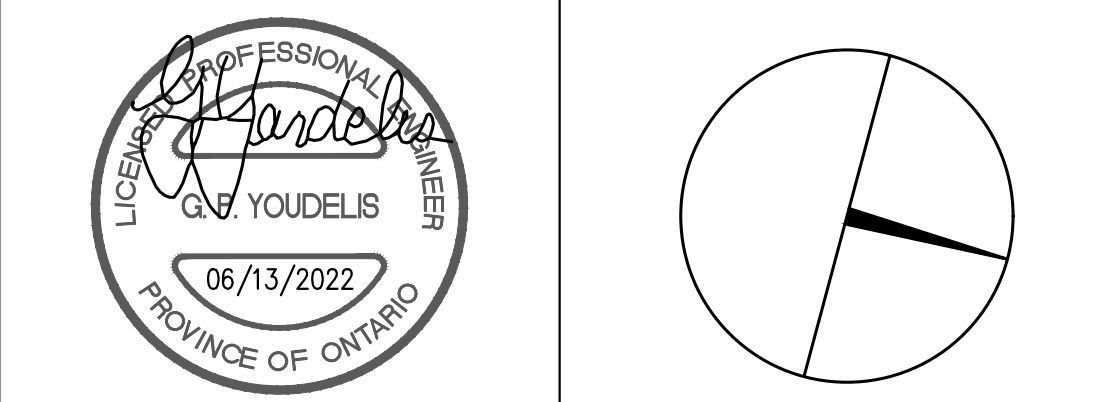
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PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE:	1:100m
DRAWN BY:	S.P.R./G.G.
SUBMITTED TO:	MUNICIPALITY OF YORK
SHEET TITLE:	


PARTIAL 4TH FLOOR
AREA 'B'
PLUMBING & FIRE PROTECTION
DEMOLITION PLAN

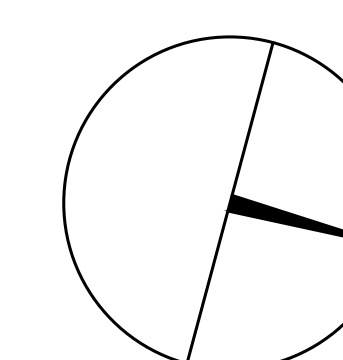
SHEET NUMBER:
M-301



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PROPERTY SERVICES

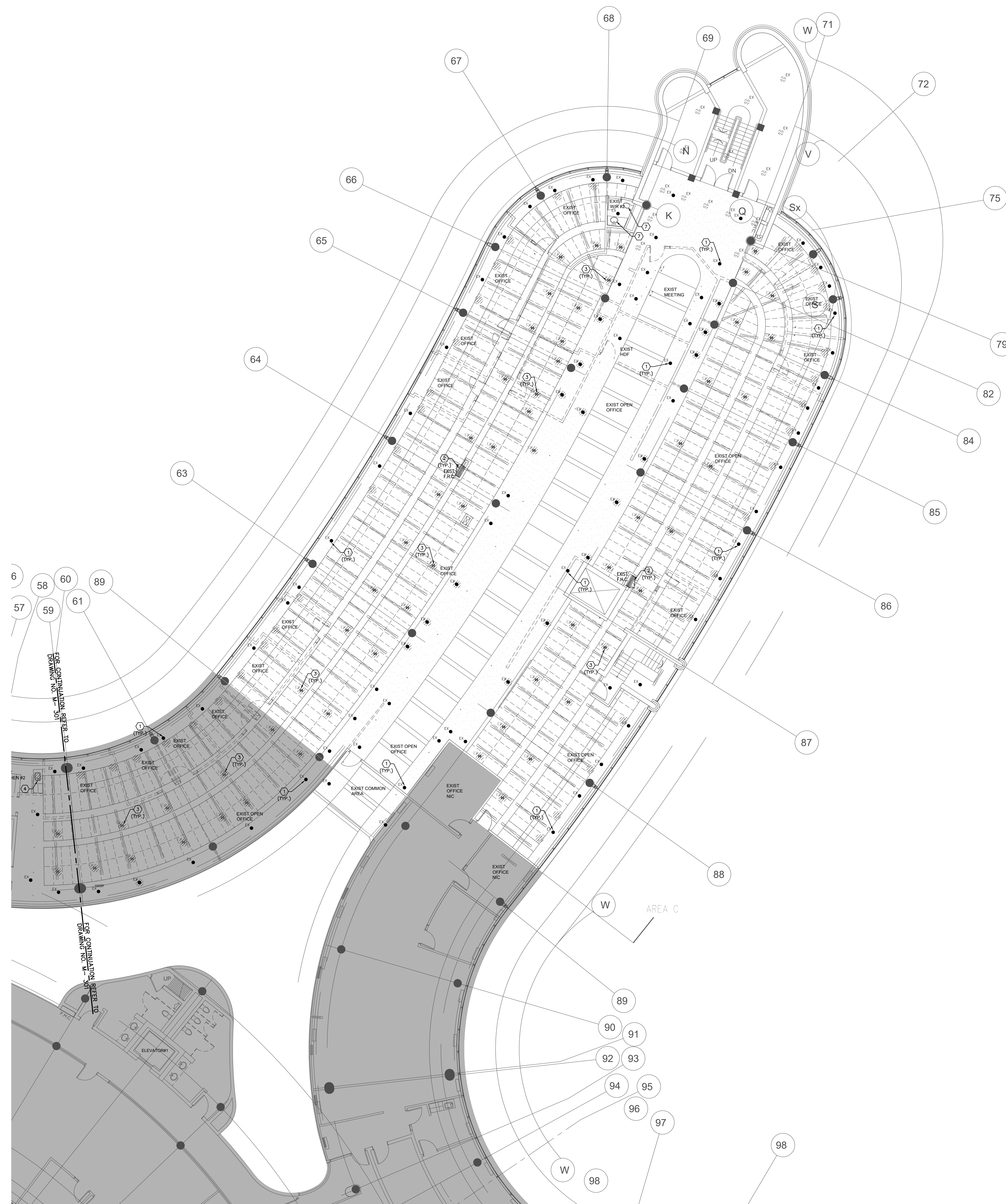
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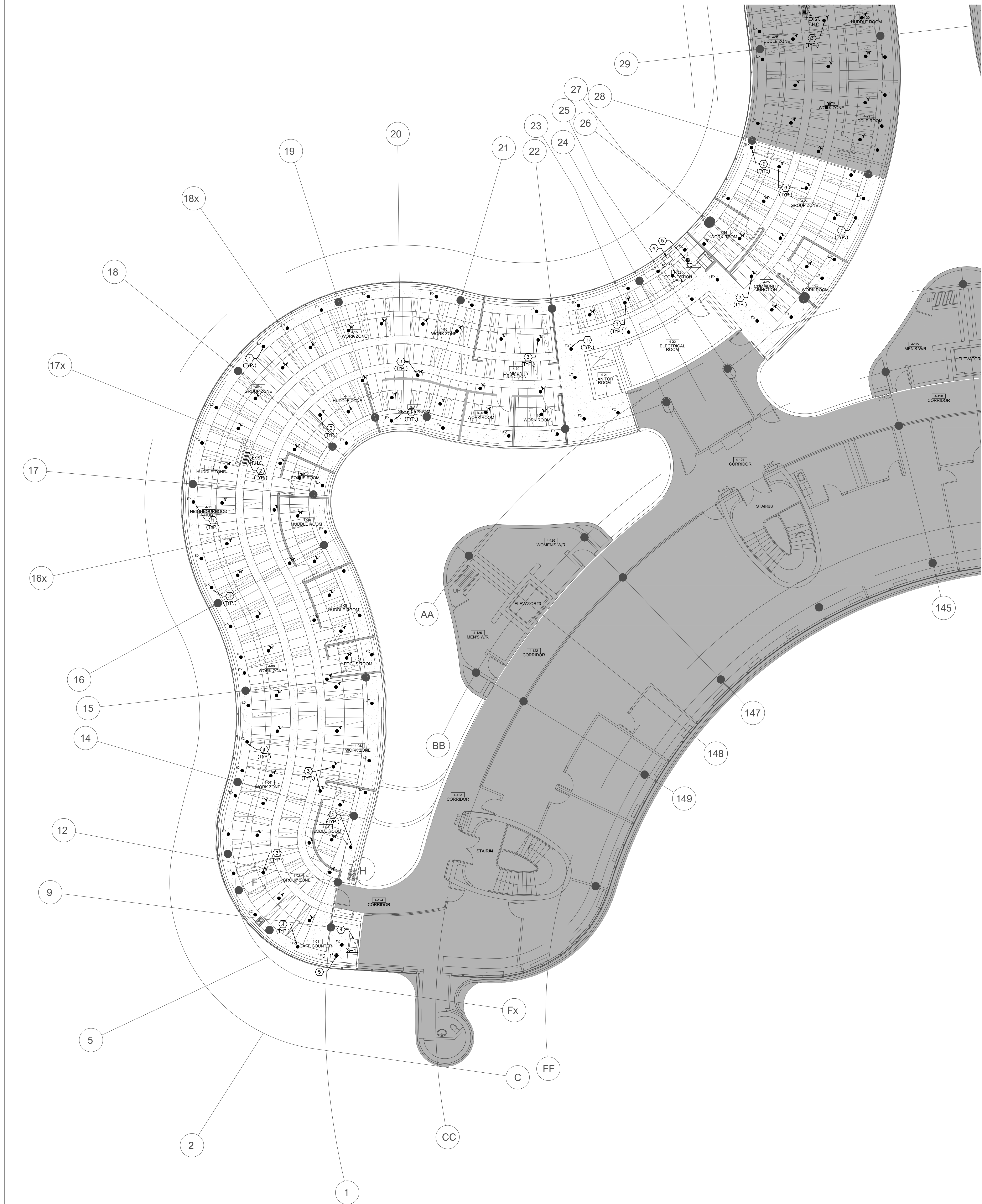
YORK REGION

SHEET TITLE:

SHEET NUMBER:

NUMBER: **M-302**





- GENERAL NOTES
1.

CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
2.

ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
3.

CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING & NEW MECHANICAL, STRUCTURAL AND ELECTRICAL SERVICES.
4.

CONTRACTOR IS RESPONSIBLE TO MAKE SITE MEASUREMENTS AND TO ENSURE THAT ALL CLEARANCES AND ACCESS NECESSARY ARE PROVIDED.
5.

MECHANICAL CONTRACTOR SHALL ARRANGE WORK IN SUCH WAY THAT OTHER SERVICES ARE NOT DISRUPTED.
6.

PROVIDE ALL NECESSARY SYSTEM SHUTDOWN, DRAIN DOWN OR LOCAL PIPE FREEZING AS REQUIRED.
7.

SPRINKLER CONTRACTOR SHALL DRAIN DOWN AND FILL-UP THE SPRINKLER SYSTEM WITHIN THE HOURS OF 7:00AM TO 3:00PM ONLY. YORK REGION OPERATOR TEAM MUST BE PRESENT DURING THE DRAINING DOWN AND FILLING-UP OF THE SPRINKLER SYSTEM WITHIN THE AREA OF WORK.
8.

PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
9.

ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
10.

ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
11.

MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
12.

ALL SPRINKLER WORK SHALL BE DONE AS PER NFPA 13.
13.

ALL SPRINKLER HEAD CONNECTIONS SHALL BE HARD PIPED. FLEXIBLE PIPING CONNECTION IS NOT ACCEPTABLE.

- DRAWING NOTES
- ①

EXISTING SPRINKLER HEAD TO REMAIN. (TYPICAL)
- ②

EXISTING FIRE HOSE CABINET C/W 22 METER LONG FIRE HOSE TO REMAIN. (TYPICAL)
- ③

PROVIDE NEW PENDANT SPRINKLER HEAD. (TYPICAL)
- ④

PROVIDE NEW SINK "30-1" C/W ASSOCIATED FAUCET, WOODY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW SINK. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
- ⑤

PROVIDE NEW 50A FLOOR DRAIN "10-1" C/W ASSOCIATED SANITARY DRAIN PIPING. CONNECT NEW SANITARY DRAIN PIPE TO NEAREST EXISTING SANITARY LINE IN CEILING SPACE ON FLOOR BELOW. (TYPICAL)
- ⑥

PROVIDE NEW SEMI-RECESSED SPRINKLER HEAD. (TYPICAL)
- ⑦

EXISTING PLUMBING FIXTURE C/W ASSOCIATED PIPING TO REMAIN. (TYPICAL)

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 9:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C.. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO COMMENCEMENT OF ANY WORK.

AREA 'A'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

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PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	PROJECT #9907 YORK REGION Administrative Centre 17250 Yonge Street Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: S.P.R./G.G.

SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE: PARTIAL 4TH FLOOR
AREA 'A'
PLUMBING & FIRE PROTECTION
NEW LAYOUT

SHEET NUMBER: M-303

- GENERAL NOTES
1.

CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
2.

ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
3.

CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING & NEW MECHANICAL, STRUCTURAL AND ELECTRICAL SERVICES.
4.

CONTRACTOR IS RESPONSIBLE TO MAKE SITE MEASUREMENTS AND TO ENSURE THAT ALL CLEARANCES AND ACCESS NECESSARY ARE PROVIDED.
5.

MECHANICAL CONTRACTOR SHALL ARRANGE WORK IN SUCH WAY THAT OTHER SERVICES ARE NOT DISRUPTED.
6.

PROVIDE ALL NECESSARY SYSTEM SHUTDOWN, DRAIN DOWN OR LOCAL PIPE FREEZING AS REQUIRED.
7.

SPRINKLER CONTRACTOR SHALL DRAIN DOWN AND FILL-UP THE SPRINKLER SYSTEM WITHIN THE HOURS OF 7:00AM TO 3:00PM ONLY. YORK REGION OPERATOR TEAM MUST BE PRESENT DURING THE DRAINING DOWN AND FILLING-UP OF THE SPRINKLER SYSTEM WITHIN THE AREA OF WORK.
8.

PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
9.

ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
10.

ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
11.

MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
12.

ALL SPRINKLER WORK SHALL BE DONE AS PER NFPA 13.
13.

ALL SPRINKLER HEAD CONNECTIONS SHALL BE HARD PIPED. FLEXIBLE PIPING CONNECTION IS NOT ACCEPTABLE.

- DRAWING NOTES
- ①

EXISTING SPRINKLER HEAD TO REMAIN. (TYPICAL)
- ②

EXISTING FIRE HOSE CABINET C/W 22 METRE LONG FIRE HOSE TO REMAIN. (TYPICAL)
- ③

PROVIDE NEW PENDANT SPRINKLER HEAD. (TYPICAL)
- ④

PROVIDE NEW SINK "30-1" C/W ASSOCIATED FAUCET, WOODY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW SINK. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
- ⑤

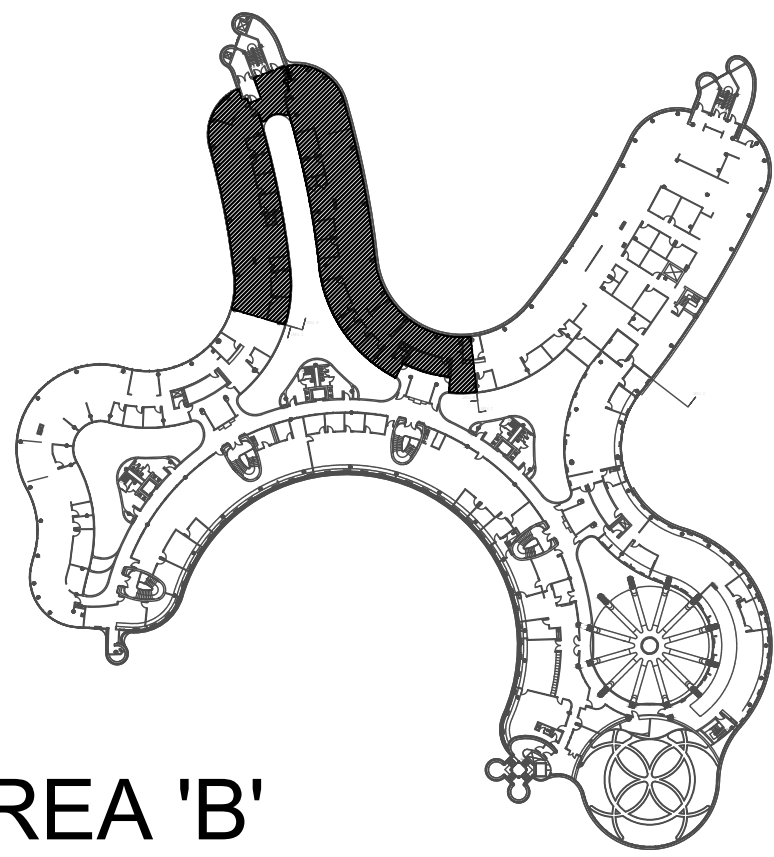
PROVIDE NEW 50A FLOOR DRAIN "10-1" C/W ASSOCIATED SANITARY DRAIN PIPING. CONNECT NEW SANITARY DRAIN PIPE TO NEAREST EXISTING SANITARY LINE IN CEILING SPACE ON FLOOR BELOW. (TYPICAL)
- ⑥

PROVIDE NEW SEMI-RECESSED SPRINKLER HEAD. (TYPICAL)
- ⑦

EXISTING PLUMBING FITTURE C/W ASSOCIATED PIPING TO REMAIN. (TYPICAL)

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C.. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO COMMENCEMENT OF ANY WORK.



AREA 'B'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	06-31-2022	ISSUED FOR 80% REVIEW
4	06-13-2022	ISSUED FOR TENDER

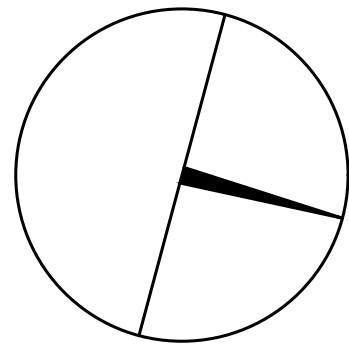
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PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: S.P.R./G.G.

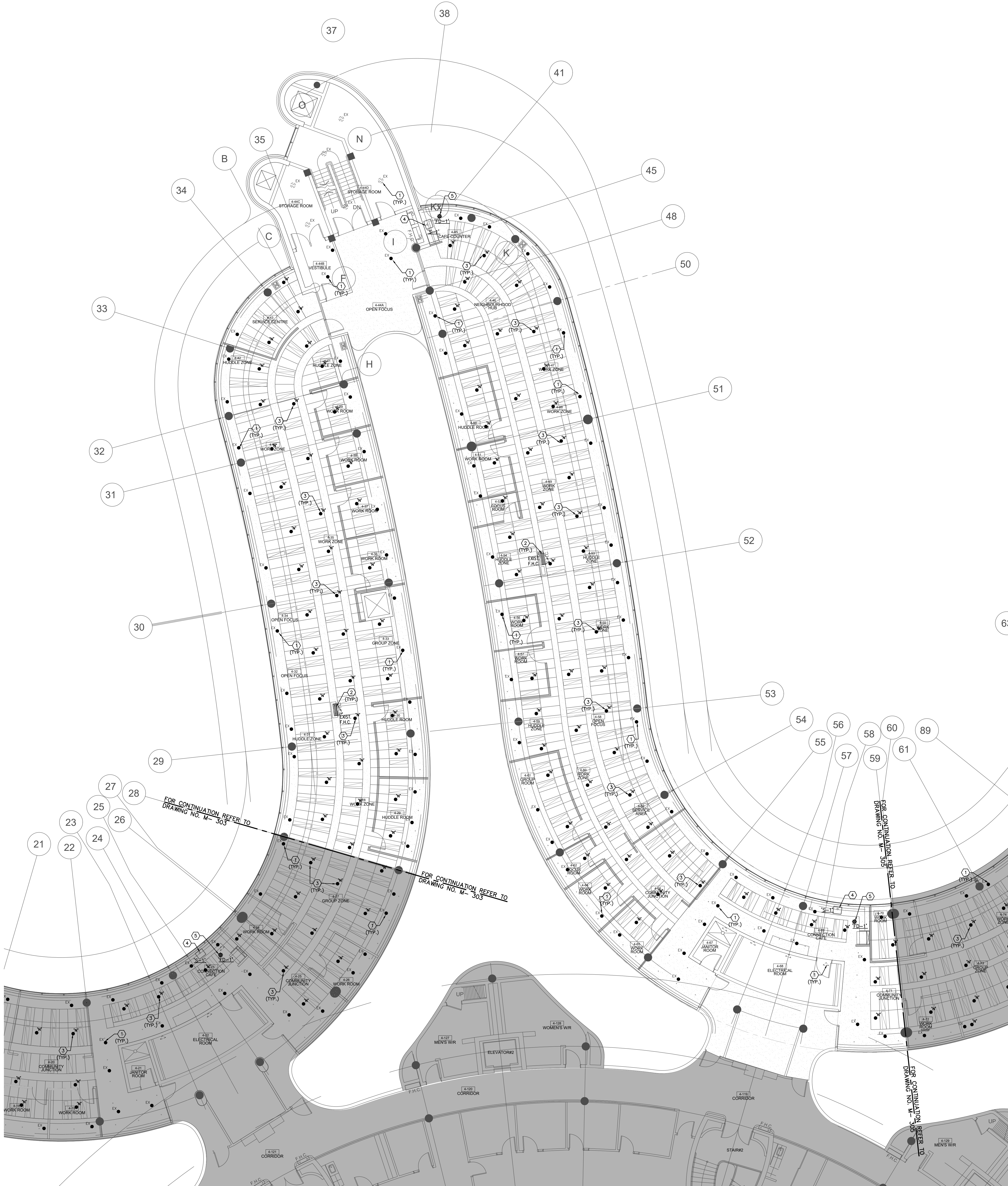
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR
AREA 'B'
PLUMBING & FIRE PROTECTION
NEW LAYOUT

SHEET NUMBER:

M-304



GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.

2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.

3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING & NEW MECHANICAL, STRUCTURAL AND ELECTRICAL SERVICES.

4. CONTRACTOR IS RESPONSIBLE TO MAKE SITE MEASUREMENTS AND TO ENSURE THAT ALL CLEARANCES AND ACCESS NECESSARY ARE PROVIDED.

5. MECHANICAL CONTRACTOR SHALL ARRANGE WORK IN SUCH WAY THAT OTHER SERVICES ARE NOT DISRUPTED.

6. PROVIDE ALL NECESSARY SYSTEM SHUTDOWN, DRAIN DOWN OR LOCAL PIPE FREEZING AS REQUIRED.

7. SPRINKLER CONTRACTOR SHALL DRAIN DOWN AND FILL-UP THE SPRINKLER SYSTEM WITHIN THE HOURS OF 7:00AM TO 3:00PM ONLY. YORK REGION OPERATOR TEAM MUST BE PRESENT DURING THE DRAINING DOWN AND FILLING-UP OF THE SPRINKLER SYSTEM WITHIN THE AREA OF WORK.

8. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.

9. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS PANELS/DOORS AS REQUIRED.

10. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.

11. MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.

12. ALL SPRINKLER WORK SHALL BE DONE AS PER NFPA 13.

13. ALL SPRINKLER HEAD CONNECTIONS SHALL BE HARD PIPED. FLEXIBLE PIPING CONNECTION IS NOT ACCEPTABLE.

DRAWING NOTES

① EXISTING SPRINKLER HEAD TO REMAIN. (TYPICAL)

② EXISTING FIRE HOSE CABINET C/W 22 METRE LONG FIRE HOSE TO REMAIN. (TYPICAL)

③ PROVIDE NEW PENDANT SPRINKLER HEAD. (TYPICAL)

④ PROVIDE NEW SINK "30-1" C/W ASSOCIATED FAUCET, WOODY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW SINK. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)

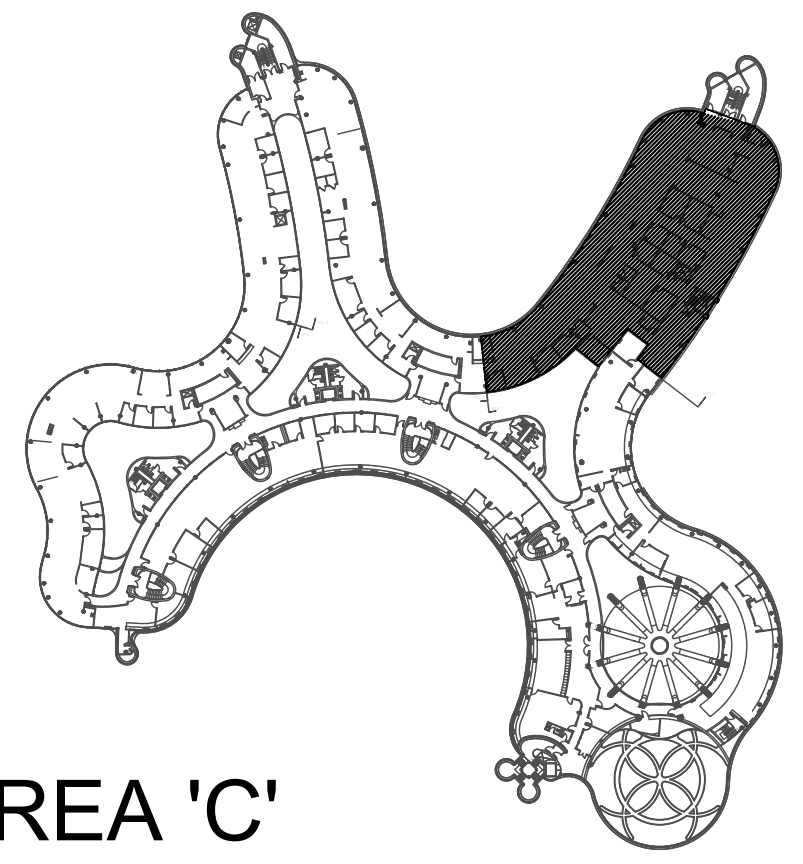
⑤ PROVIDE NEW 50A FLOOR DRAIN "10-1" C/W ASSOCIATED SANITARY DRAIN PIPING. CONNECT NEW SANITARY DRAIN PIPE TO NEAREST EXISTING SANITARY LINE IN CEILING SPACE ON FLOOR BELOW. (TYPICAL)

⑥ PROVIDE NEW SEMI-RECESSED SPRINKLER HEAD. (TYPICAL)

⑦ EXISTING PLUMBING FIXTURE C/W ASSOCIATED PIPING TO REMAIN. (TYPICAL)

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 9:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C.. CONTRACTOR SHALL COORDINATE WITH REGION'S PM PRIOR TO COMMENCEMENT OF ANY WORK.



AREA 'C'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	06-30-2022	ISSUED FOR 90% REVIEW
4	06-13-2022	ISSUED FOR TENDER

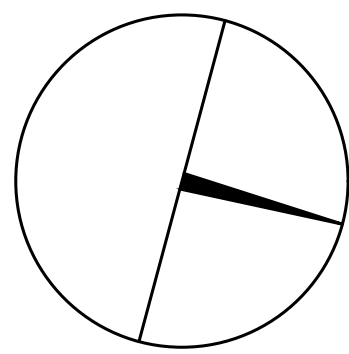

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PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 4TH

BASE DATE: 01-01-2022

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

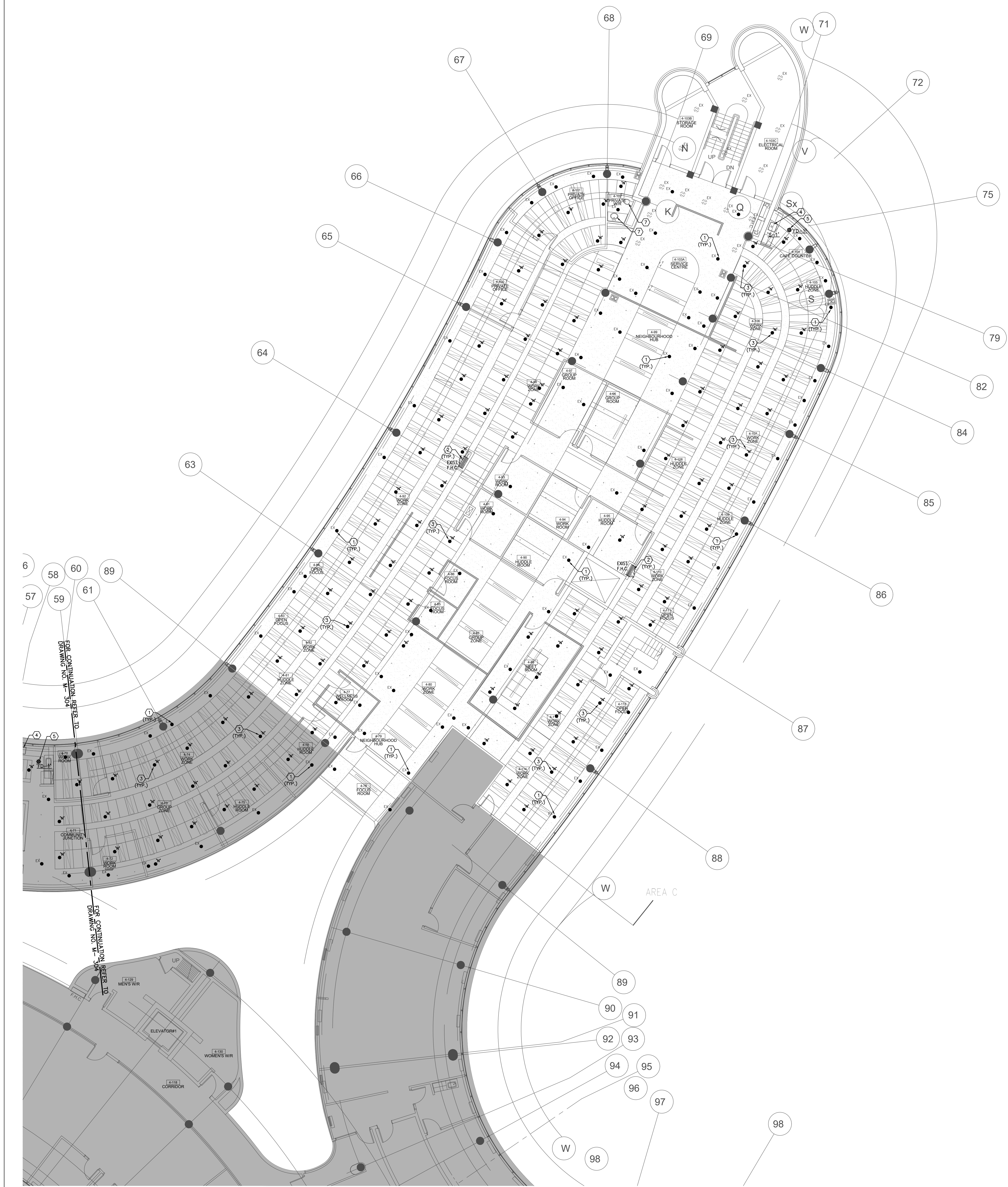
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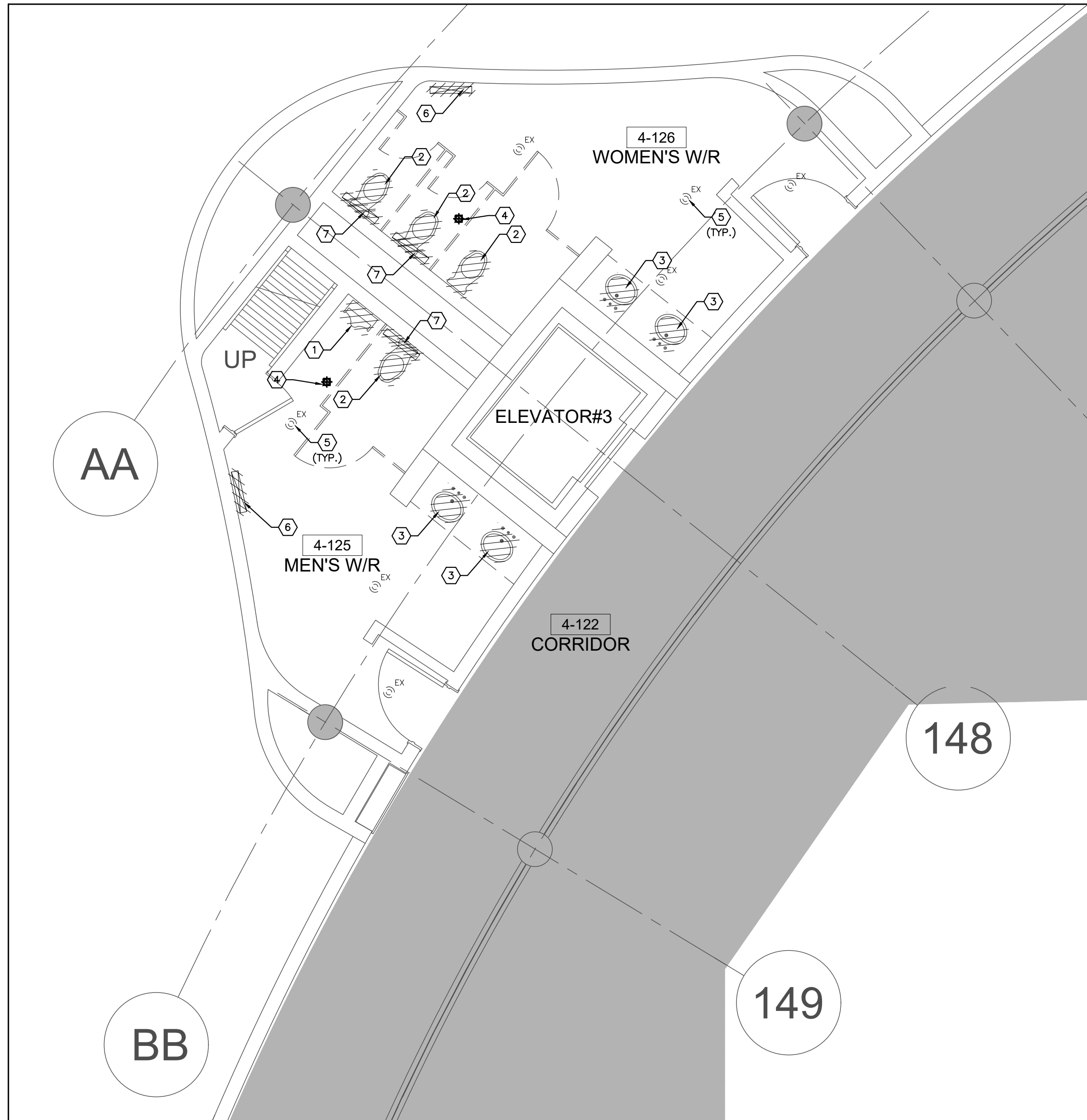
DRAWN BY: S.P.R./G.G.

SUBMITTED TO: MUNICIPALITY OF YORK

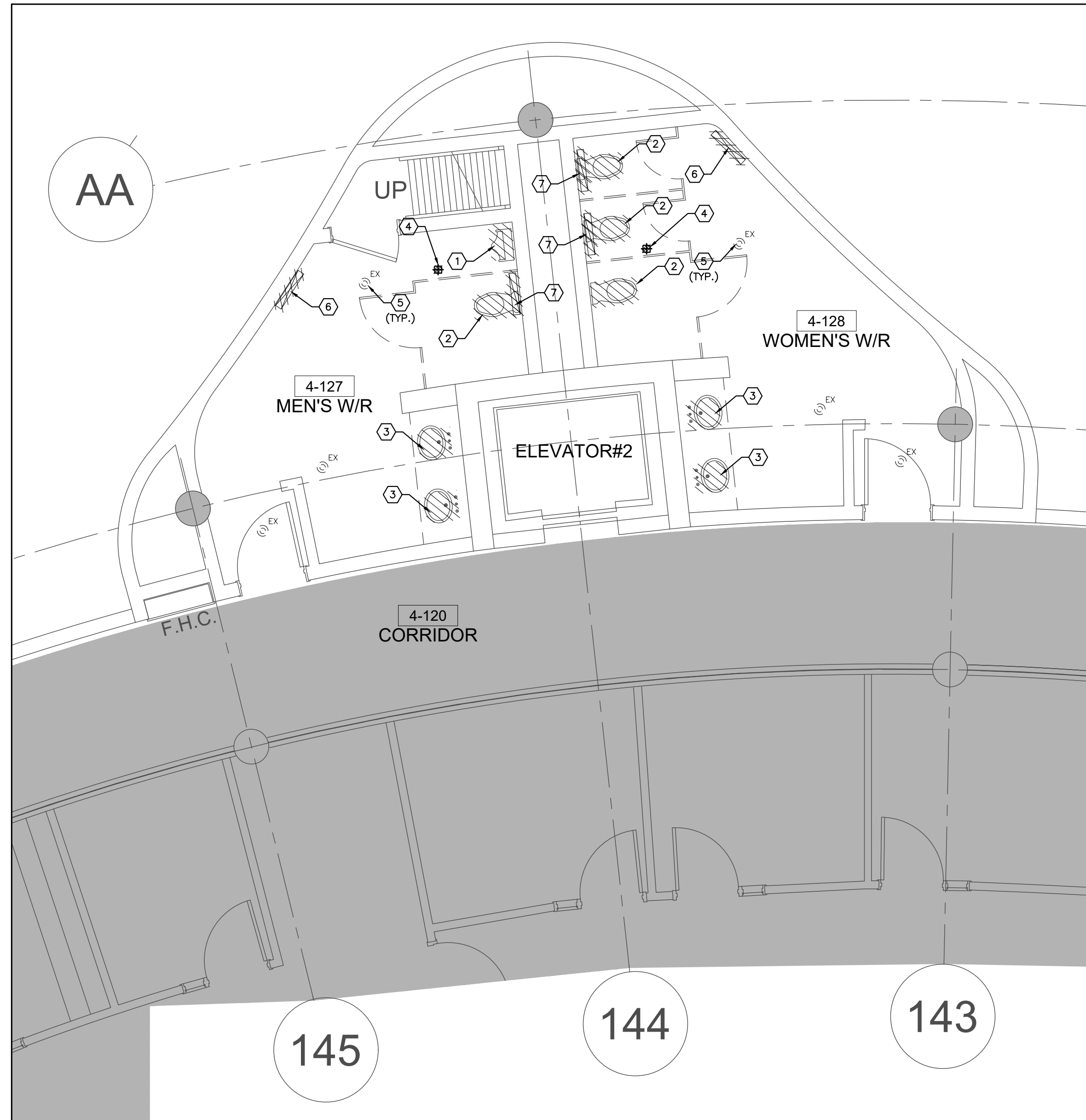
SHEET TITLE: PARTIAL 4TH FLOOR
AREA 'C'
PLUMBING & FIRE PROTECTION
NEW LAYOUT

SHEET NUMBER: M-305





1 WASHROOMS 4-125 & 4-126 - MECHANICAL DEMOLITION PLAN
SCALE: 1:50



2 WASHROOMS 4-127 & 4-128 - MECHANICAL DEMOLITION PLAN
SCALE: 1:50



3 WASHROOMS 4-129 & 4-130 - MECHANICAL DEMOLITION PLAN
SCALE: 1:50

GENERAL NOTES

- CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
- ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
- CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING & NEW MECHANICAL, STRUCTURAL AND ELECTRICAL SERVICES.
- CONTRACTOR IS RESPONSIBLE TO MAKE SITE MEASUREMENTS AND TO ENSURE THAT ALL CLEARANCES AND ACCESS NECESSARY ARE PROVIDED.
- MECHANICAL CONTRACTOR SHALL ARRANGE WORK IN SUCH WAY THAT OTHER SERVICES ARE NOT DISRUPTED.
- PROVIDE ALL NECESSARY SYSTEM SHUTDOWN, DRAIN DOWN OR LOCAL PIPE FREEZING AS REQUIRED.
- PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
- ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
- MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.

DRAWING NOTES

- EXISTING URINAL C/W ASSOCIATED FLUSH VALVE TO BE REMOVED. EXISTING PLUMBING & DRAINAGE PIPING TO REMAIN FOR NEW FUTURE INSTALLATION. (TYPICAL)
- EXISTING WATER CLOSET C/W ASSOCIATED FLUSH VALVE, FLOOR FLANGE AND CARRIER TO BE REMOVED. EXISTING PLUMBING & DRAINAGE PIPING TO REMAIN FOR NEW FUTURE INSTALLATION. (TYPICAL)
- EXISTING LAVATORY C/W ASSOCIATED FACET TO BE REMOVED. EXISTING PLUMBING & DRAINAGE PIPING TO REMAIN FOR NEW FUTURE INSTALLATION. (TYPICAL)
- EXISTING FLOOR DRAIN TO BE REMOVED. EXISTING DRAINAGE PIPING TO REMAIN FOR NEW FLOOR DRAIN INSTALLATION. (TYPICAL)
- EXISTING SPRINKLER HEAD TO REMAIN. (TYPICAL)
- EXISTING SUPPLY AIR GRILLES TO BE REMOVED. EXISTING CONNECTED DUCTWORK TO REMAIN FOR INSTALLATION OF NEW SUPPLY AIR SLOTS. (TYPICAL)
- EXISTING EXHAUST AIR GRILLES TO BE REMOVED. EXISTING CONNECTED DUCTWORK TO REMAIN FOR INSTALLATION OF NEW EXHAUST GRILLES. (TYPICAL)

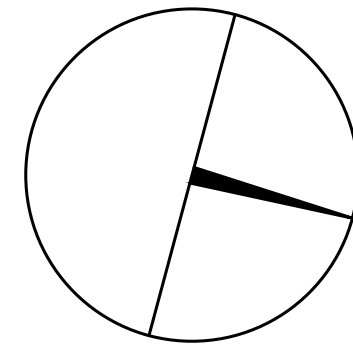
SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
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PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 4TH

BASE DATE: 01-01-2022

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE:

DRAWN BY: S.P.R./G.G.

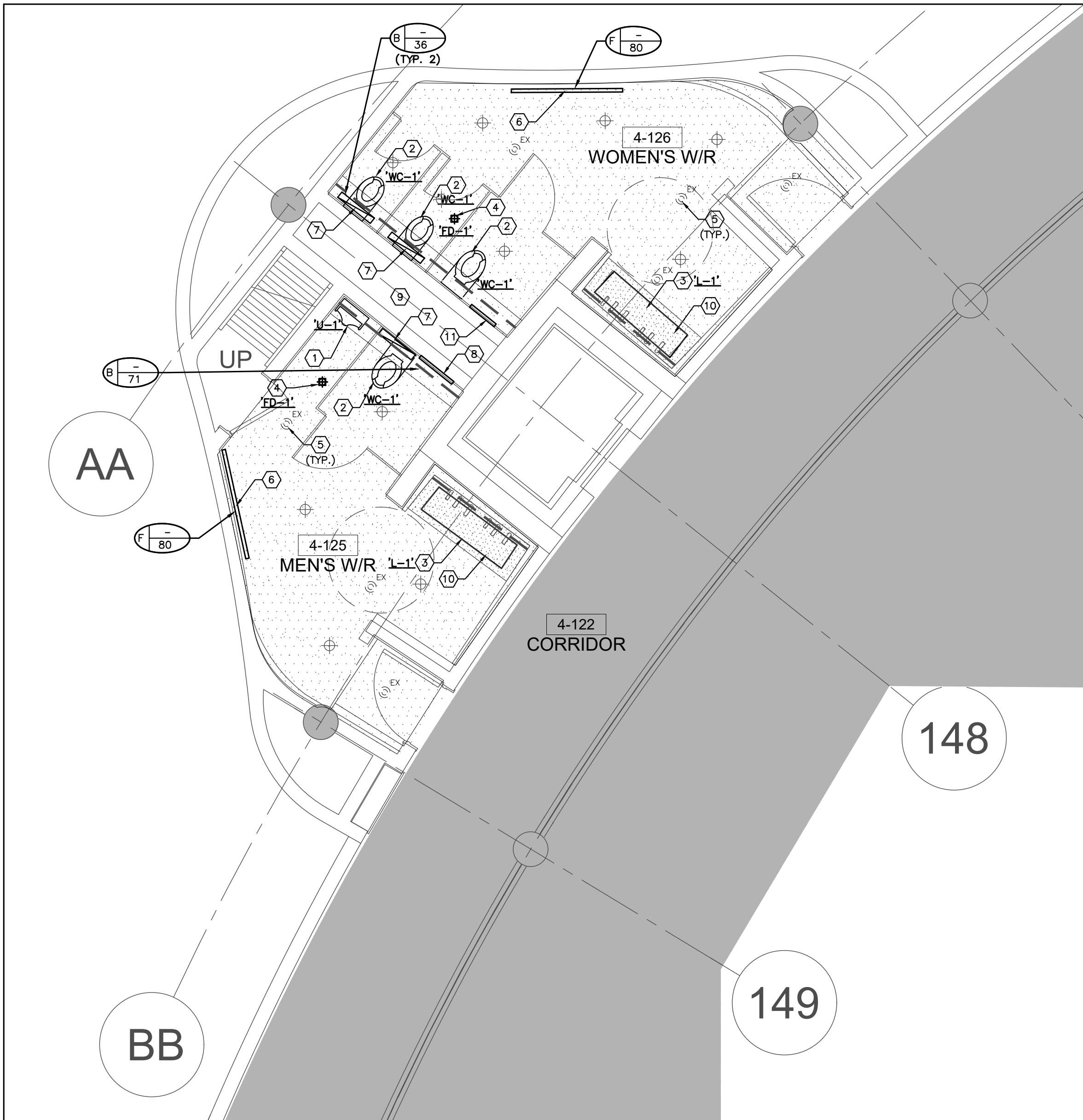
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

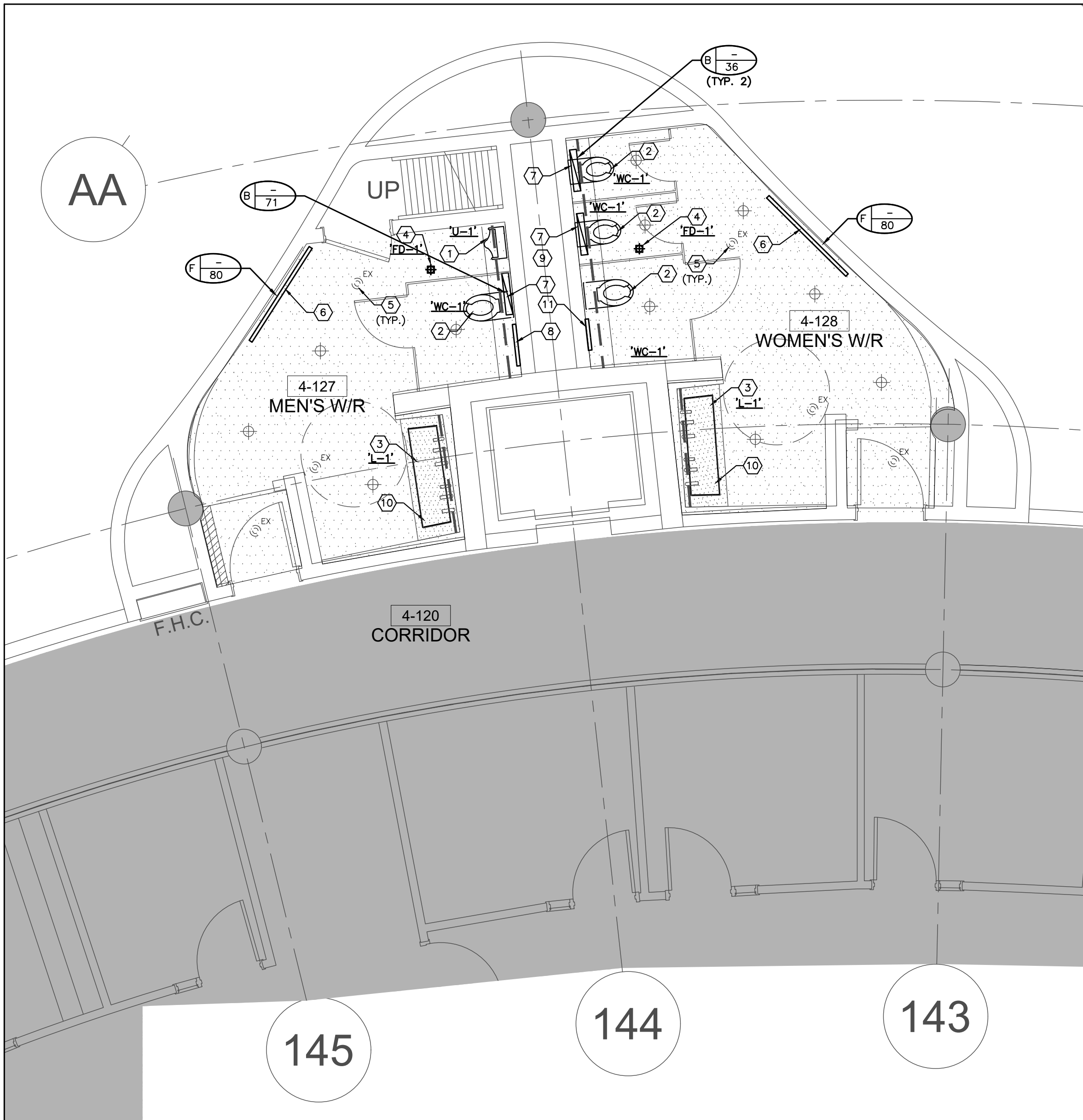
4TH FLOOR WASHROOMS
MECHANICAL
DEMOLITION PLAN

SHEET NUMBER:

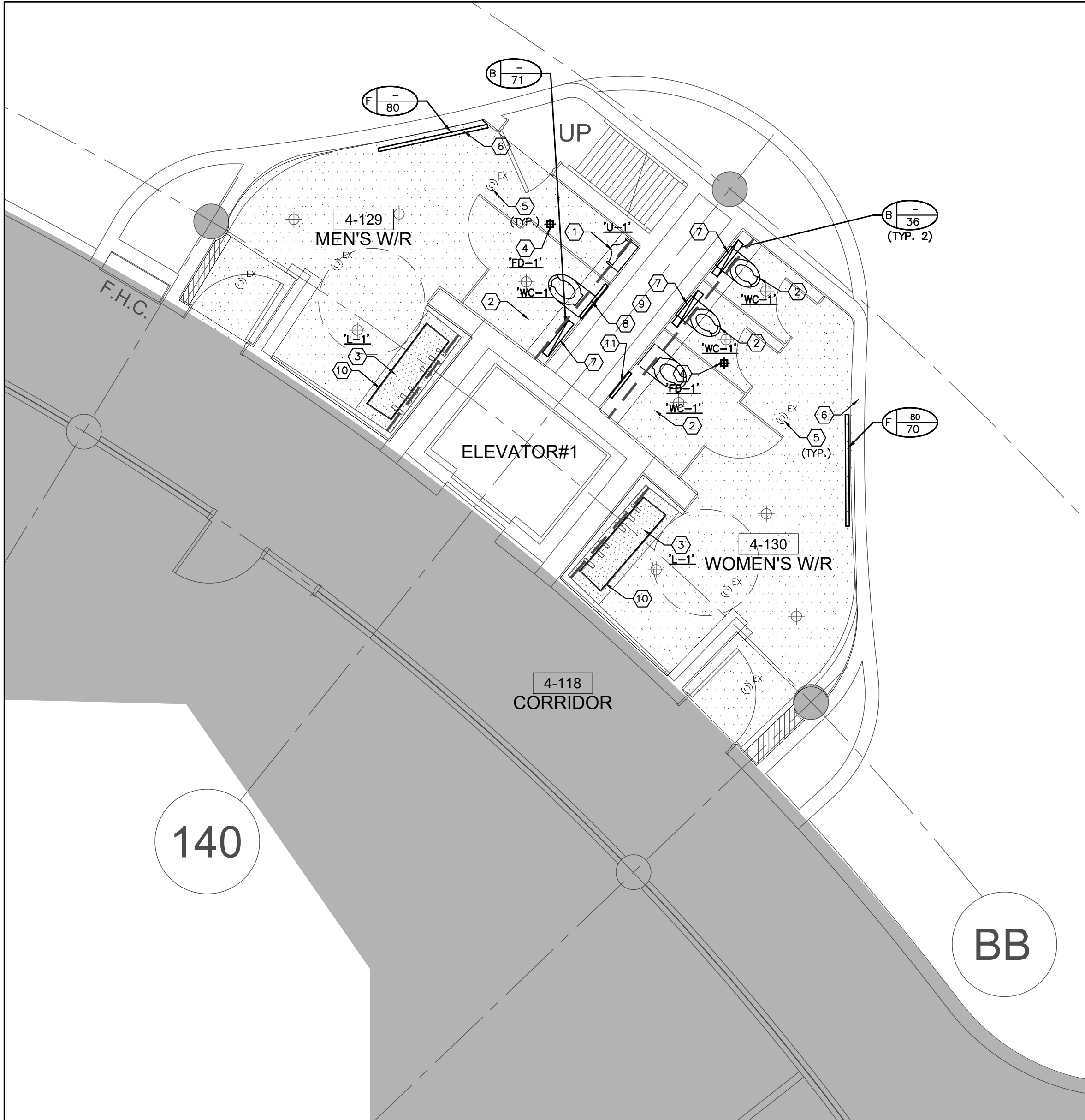
M-306



1 WASHROOMS 4-125 & 4-126 - MECHANICAL NEW LAYOUT
SCALE: 1:50



2 WASHROOMS 4-127 & 4-128 - MECHANICAL NEW LAYOUT
SCALE: 1:50



3 WASHROOMS 4-129 & 4-130 - MECHANICAL NEW LAYOUT
SCALE: 1:50

GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING & NEW MECHANICAL, STRUCTURAL AND ELECTRICAL SERVICES.
4. CONTRACTOR IS RESPONSIBLE TO MAKE SITE MEASUREMENTS AND TO ENSURE THAT ALL CLEARANCES AND ACCESS NECESSARY ARE PROVIDED.
5. MECHANICAL CONTRACTOR SHALL ARRANGE WORK IN SUCH WAY THAT OTHER SERVICES ARE NOT DISRUPTED.
6. PROVIDE ALL NECESSARY SYSTEM SHUTDOWN, DRAIN DOWN OR LOCAL PIPE FREEZING AS REQUIRED.
7. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
8. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER. PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
9. MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
10. PROVIDE NEW ISOLATION VALVES FOR ALL PLUMBING FIXTURES.

DRAWING NOTES

- ① PROVIDE NEW URINAL 1/2" C/W ASSOCIATED FLUSH VALVE AND PIPING. MODIFY/EXTEND EXISTING COLD WATER SUPPLY, SANITARY DRAIN AND SANITARY VENT PIPING TO SATISFY INSTALLATION OF NEW FIXTURE. PROVIDE NEW CLEAN-OUT. (TYPICAL)
- ② PROVIDE NEW WATER CLOSET 16" C/W ASSOCIATED FLUSH VALVE, CARRIER AND PIPING. MODIFY/EXTEND EXISTING COLD WATER SUPPLY, SANITARY DRAIN AND SANITARY VENT PIPING TO SATISFY INSTALLATION OF NEW FIXTURE. PROVIDE NEW FLOOR FLANGE AND GASKETS AS REQUIRED. (TYPICAL)
- ③ PROVIDE NEW LAVATORY 1/2" C/W ASSOCIATED FAUCET AND SOAP DISPENSER. MODIFY/EXTEND EXISTING HOT & COLD WATER SUPPLY, SANITARY DRAIN AND SANITARY VENT PIPING TO SATISFY INSTALLATION OF NEW FIXTURE. PROVIDE NEW SHUT-OFF VALVES AND P-TRAP. P-TRAP SHALL BE ADJUSTABLE AND HAVE CLEANOUT FLUGE ON THE BOTTOM OF THE TRAP. (TYPICAL). LAVATORY SHALL BE ONLY INSTALLED BY LOUVER TRAINED PERSONNEL. FAUCET AND HAND SOAP DISPENSER TO BE INSTALLED BY MECHANICAL TRADES AND ELECTRICAL CONNECTION BY DIV. 16. (SEE ADDITIONAL NOTES BELOW)
- ④ PROVIDE NEW FLOOR DRAIN 10" C/W BODY & ADJUSTABLE STRAINER COVER AND CONNECT TO EXISTING DRAIN PIPING. FLOOR DRAIN TO BE FLUSHED MOUNT WITH NEW FINISH FLOOR LEVEL. SIZE OF FLOOR DRAIN SAME AS EXISTING. (TYPICAL)
- ⑤ EXISTING SPRINKLER HEAD TO REMAIN. (TYPICAL)
- ⑥ NEW ARCHITECTURAL, PLENUM SLOT DIFFUSER. MODIFY/EXTEND EXISTING DUCTWORK TO SATISFY INSTALLATION OF NEW DIFFUSERS. RE-BALANCE TO NEW AIR QUANTITY AS INDICATED. SLOT DIFFUSER BY ARCHITECTURAL DIVISION (TYPICAL)
- ⑦ PROVIDE NEW TYPE 'Y' EXHAUST AIR GRILLES C/W FACE ADJUSTABLE BALANCING DAMPER. PRIOR TO ORDERING, VERIFY EXACT SIZE OF GRILLE WITH DUCT FLANGE ON SITE. MODIFY/EXTEND EXISTING DUCTWORK AS REQUIRED. (TYPICAL)
- ⑧ PROVIDE NEW RADIANT ACCESS PANEL ON WALL FOR ACCESSING MECHANICAL CHASE AREA FOR MAINTENANCE PURPOSES. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. EXACT LOCATION TO BE VERIFIED ON SITE. (TYPICAL)
- ⑨ PROVIDE A SEPARATE PRICE FOR REPLACEMENT OF ALL SANITARY PIPING BACK TO SANITARY RISERS WITHIN THE MECHANICAL CHASE AREA. PRICE TO INCLUDE PROVIDING ADDITIONAL 6 METERS OF PIPING.
- ⑩ PROVIDE NEW HOT & COLD WATER HOSE BIBB UNDER LAVATORY
- ⑪ PROVIDE NEW 300x450 ACCESS PANEL ON WALL FOR ACCESSING MECHANICAL SERVICES. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS. EXACT LOCATION TO BE VERIFIED ON SITE. (TYPICAL)

NOTES

PRIOR TO INSTALLATION OF LAVATORY FAUCET AND SOAP DISPENSER, CONTRACTOR SHALL PROVIDE A SKETCH SHOWING PIPING ARRANGEMENT, WORK ROUTING AND CLEARANCES FOR ACCESSING EQUIPMENT FOR MAINTENANCE OR SERVICING. THE SKETCH SHALL BE SUBMITTED TO YORK REGION'S PM FOR REVIEW AND APPROVAL. WORK SHALL NOT PROCEED WITHOUT YORK REGION'S PM APPROVAL AND DIRECTIONS.

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

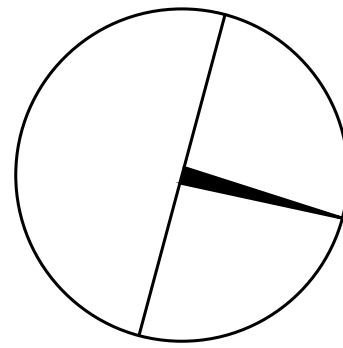
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PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 4TH

BASE DATE: 01-01-2022

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: AS NOTED

DRAWN BY: S.P.R./G.G.

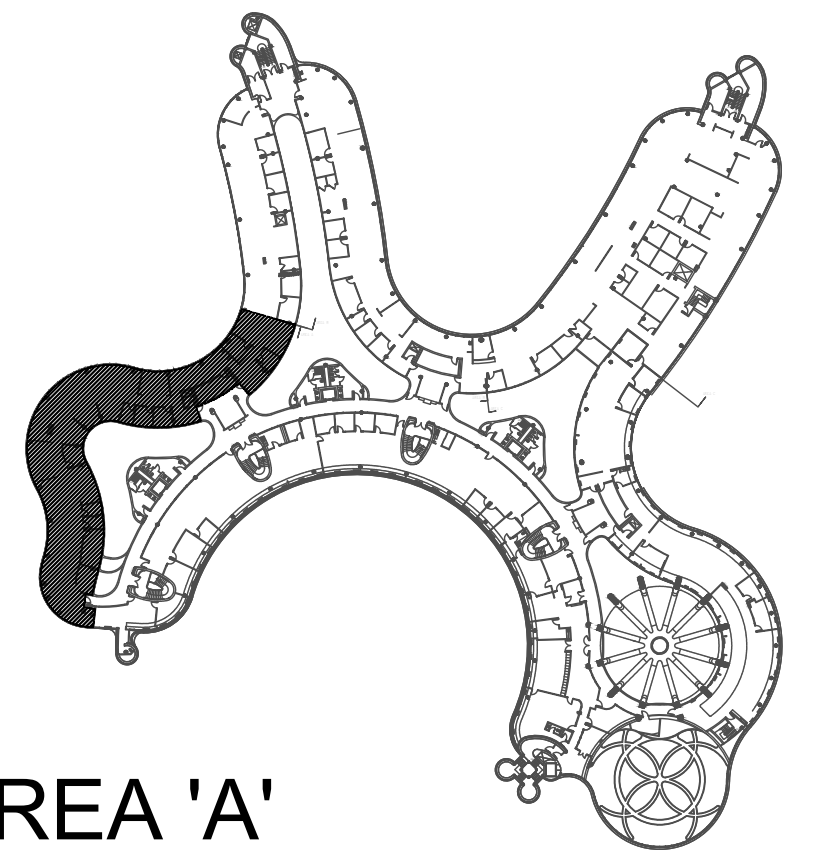
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

4TH FLOOR WASHROOMS
MECHANICAL
NEW LAYOUT

SHEET NUMBER:

M-307



AREA 'A'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-04-2022	ISSUED FOR 80% REVIEW
4	06-13-2022	ISSUED FOR TENDER

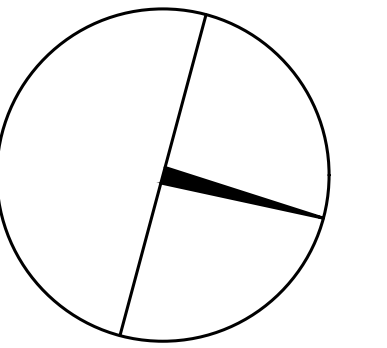
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PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES
FLOOR: 4TH
BASE DATE: 01-01-2022
PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: S.P.R./G.G.

SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR
AREA 'A'
HYDRONIC NEW LAYOUT

SHEET NUMBER:

M-400

GENERAL NOTES

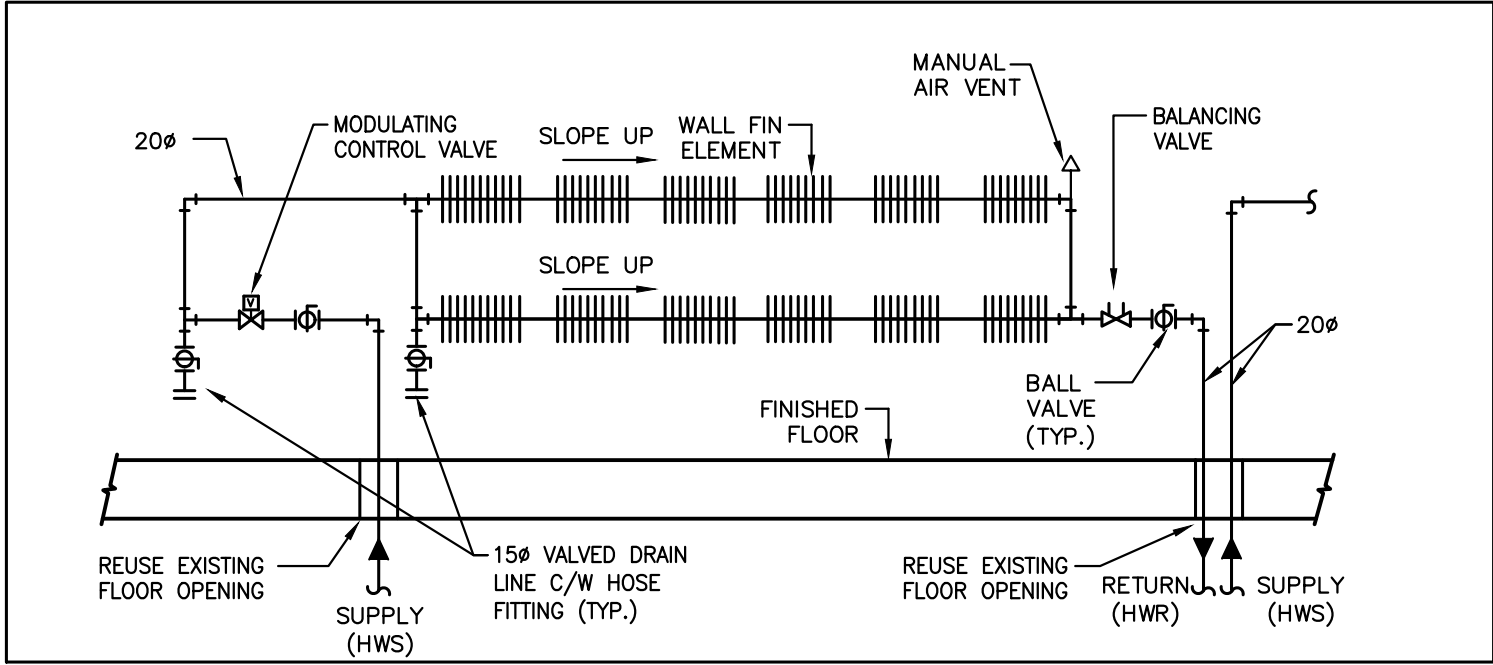
1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
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6. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
7. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
8. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
9. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
10. MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
11. INSTALLATION HEIGHT OF TEMPERATURE SENSORS SHALL BE 4'-0" (TYPICAL FOR ALL)

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR OUTTAKES IN CEILING SPACE. REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C. CONTRACTOR SHALL COORDINATE WITH REDON'S PM PRIOR TO COMMENCEMENT OF ANY WORK.

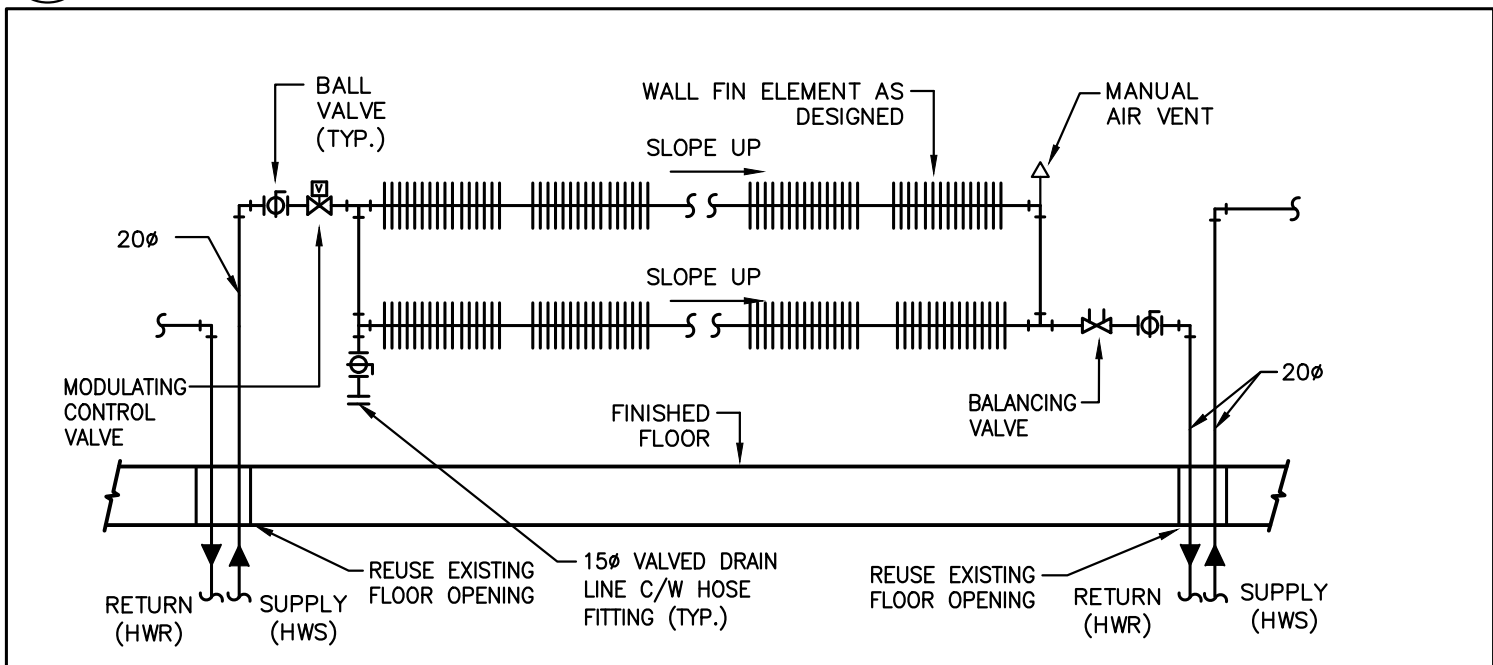
DRAWING NOTES

1. NEW FLOOR MOUNTED WALL-FIN CABINET RADIATOR C/W ENCLOSURE. PROVIDE NEW HEATING WATER PIPE AND CONNECT TO NEW/EXISTING HEATING WATER PIPE IN THIRD FLOOR CEILING SPACE. REFER TO DETAIL NO. 3 & 4/M-102 (TYPICAL)
2. PROVIDE NEW CONDENSATE DRAIN C/W P-TRAP TO SERVE FAN COIL UNIT AND EXTEND TO NEAREST HUB DRAIN AS SHOWN. SIZE PIPE AS INDICATED (TYPICAL)
3. NEW JANITOR ROOM FLOOR WATER DETECTION SENSOR. PROVIDE NECESSARY CONTROL WIRING, FLOOR SLAB CUTTING/PATCHING AS REQUIRED.
4. DROP NEW 25# CHILLED WATER SUPPLY PIPE TO 3RD FLOOR CEILING SPACE AND CONNECT TO EXISTING SERVICES. REFER TO 3RD FLOOR MECHANICAL NEW LAYOUT.
5. PROVIDE NEW 20# HEATING WATER SUPPLY/RETURN WATER PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING VALVE, CONTROL VALVE AND CONTROL WIRING (TYPICAL)
6. CONNECT NEW CONDENSATE DRAIN PIPE TO EXISTING STORM DRAIN PIPING IN CEILING SPACE AT THE APPROPRIATE LOCATION. PIPE SHALL BE CONNECTED VERTICALLY (TYPICAL)
7. TERMINATE NEW CONDENSATE DRAIN PIPE AT EXISTING JANITOR'S SINK. PROVIDE FLOOD SENSOR IN JAN. CLOSET (TYPICAL)
8. DROP NEW 50# CHILLED WATER RETURN PIPE TO 3RD FLOOR CEILING SPACE AND CONNECT TO EXISTING RISER AT ELECTRICAL ROOM. REFER TO 3RD FLOOR MECHANICAL NEW LAYOUT.
9. PRESSURE TEST ALL NEW PIPING FOR 24 HOURS WITH NO LOSS OF PRESSURE PRIOR TO INSULATING FITTINGS AND OPENING MAIN VALVES (TYPICAL)
10. NEW FAN COIL UNIT IN CEILING SPACE. INSTALL UNIT TIGHT TO CEILING SLAB AS HIGH AS POSSIBLE. PROVIDE UNIT SUPPORTS AS REQUIRED (TYPICAL)
11. PROVIDE NEW 25# CHILLED WATER SUPPLY/RETURN WATER PIPE & 20# HEATING WATER SUPPLY/RETURN PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING VALVE, CONTROL VALVE AND CONTROL WIRING (TYPICAL)
12. NEW WALL FIN AND ENCLOSURE SHALL BE CONTINUOUS FROM WALL TO WALL. PROVIDE TWO CAPS NEAR WALL AS REQUIRED. ENCLOSURE SHALL HAVE ACCESS PANEL WHERE CONTROL VALVES ARE LOCATED. ENCLOSURE SHALL BE ACCESSIBLE AT ALL TIMES.
13. AT EACH CHANGE OF DIRECTION ON CHILLED WATER PIPING, CONTRACTOR TO PROVIDE OFFSET AS PER MECHANICAL DETAIL NO. 10/M-102 (TYPICAL)
14. NEW 20# HEATING SUPPLY/RETURN PIPE FROM NEW/EXISTING HEATING SUPPLY/RETURN PIPE MAIN LOCATED IN THIRD FLOOR CEILING SPACE. PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/DRILLING/FIRE-STOPPING AS REQUIRED. CONTRACTOR TO ENSURE ALL PIPING ARE ENCLOSED WITHIN RAD ENCLOSURE. PROVIDE ALL NECESSARY FITTING/PIPE EXTENSION AS REQUIRED.



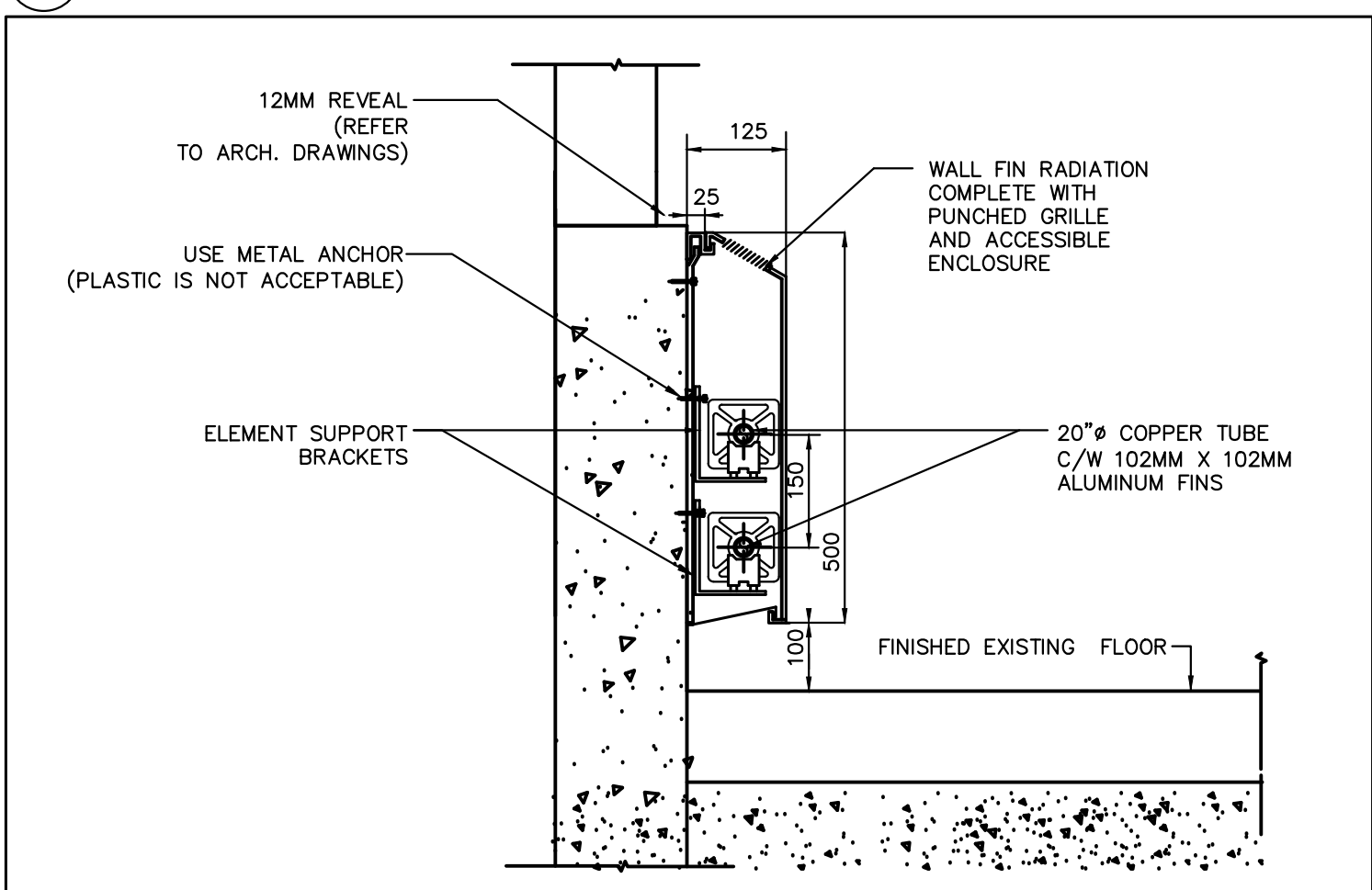
TYPE 'A1' WALL FIN RADIATION PIPING SCHEMATIC

SCALE: N.T.S.



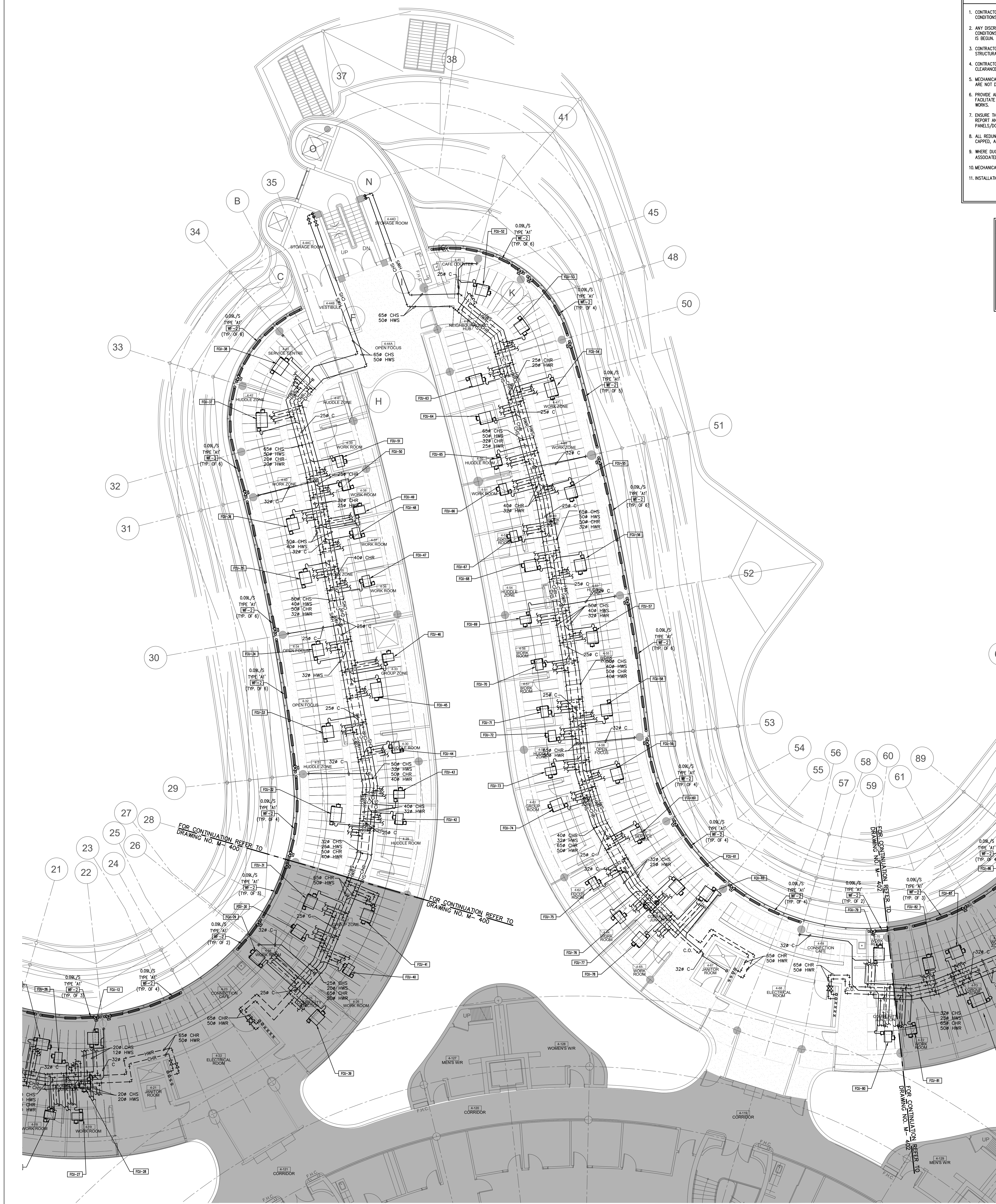
TYPE 'B1' TO 'B12' WALL FIN RADIATION PIPING SCHEMATIC

SCALE: N.T.S.



DOUBLE WALL FIN RADIATION DETAIL

SCALE: N.T.S.

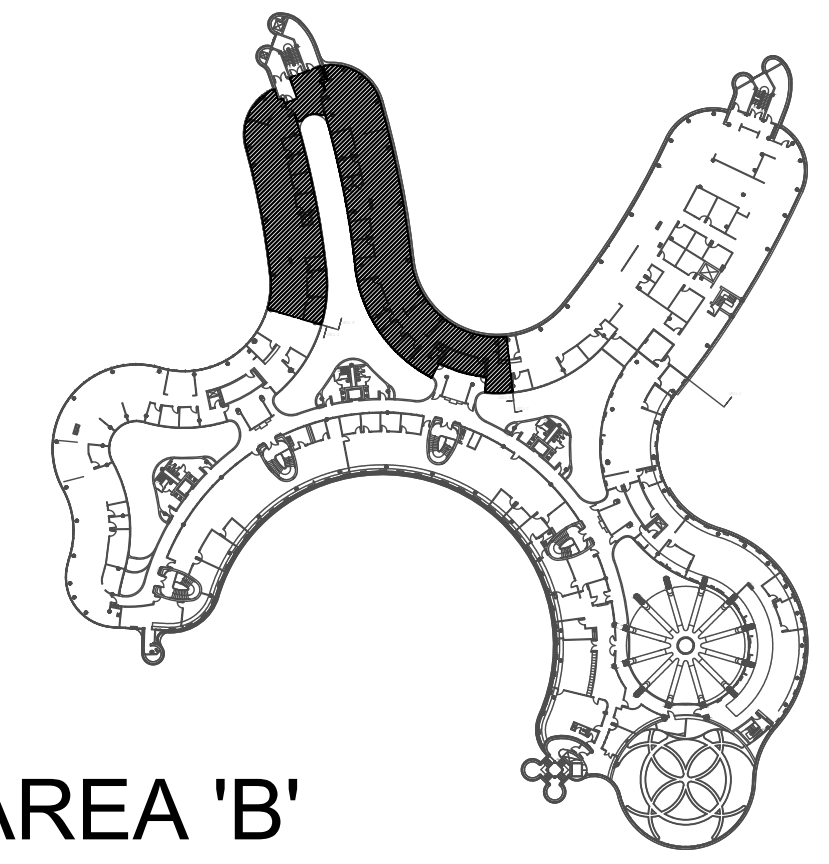
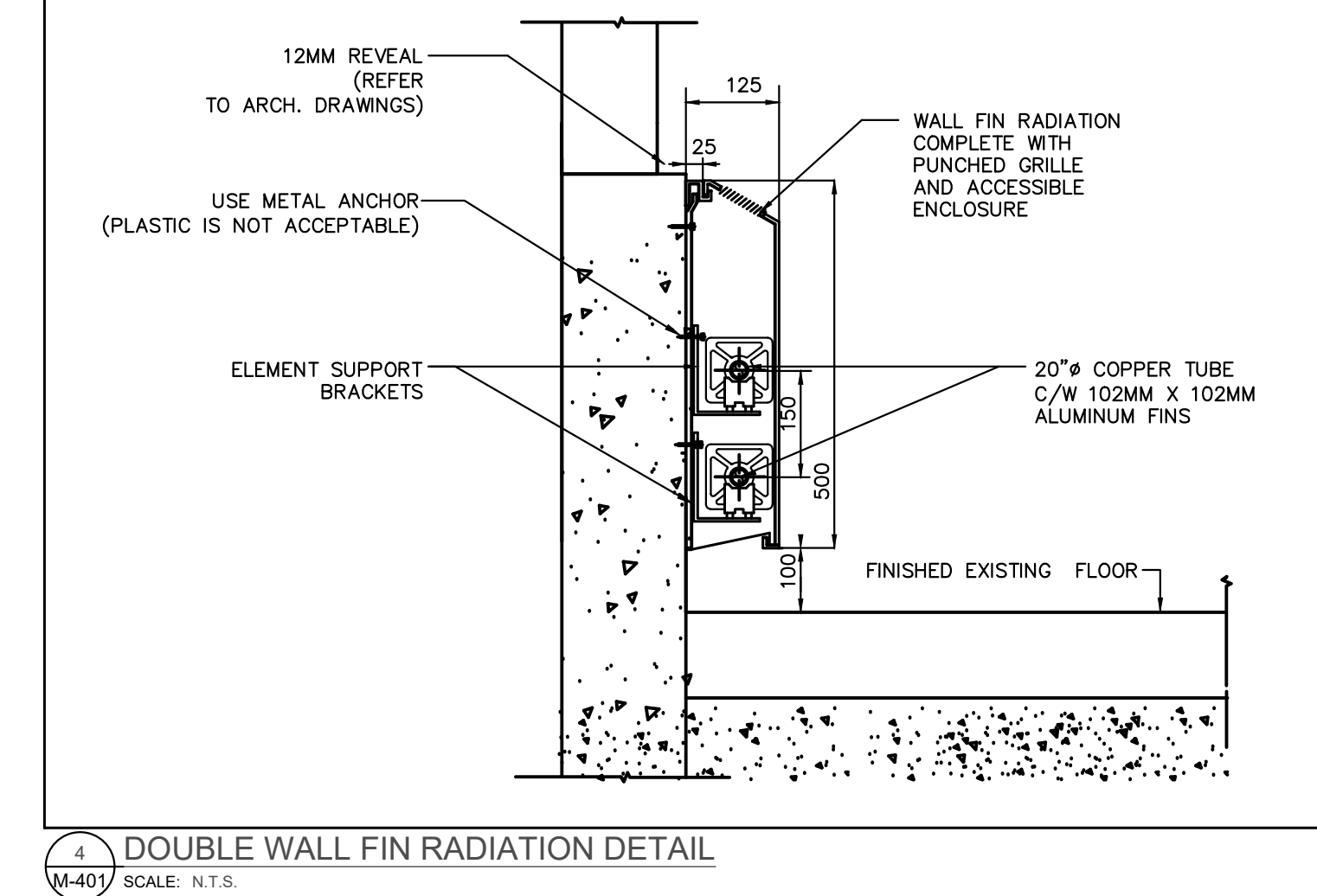
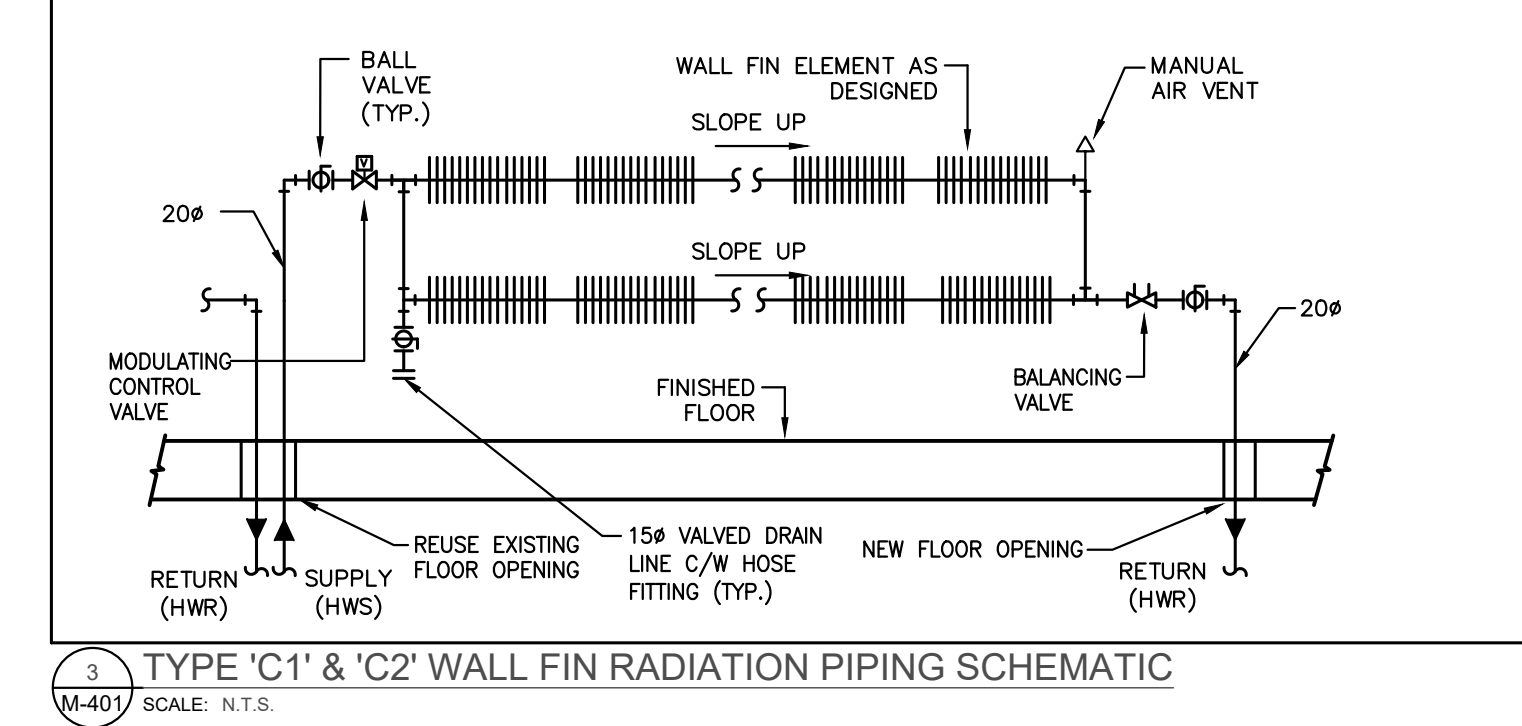
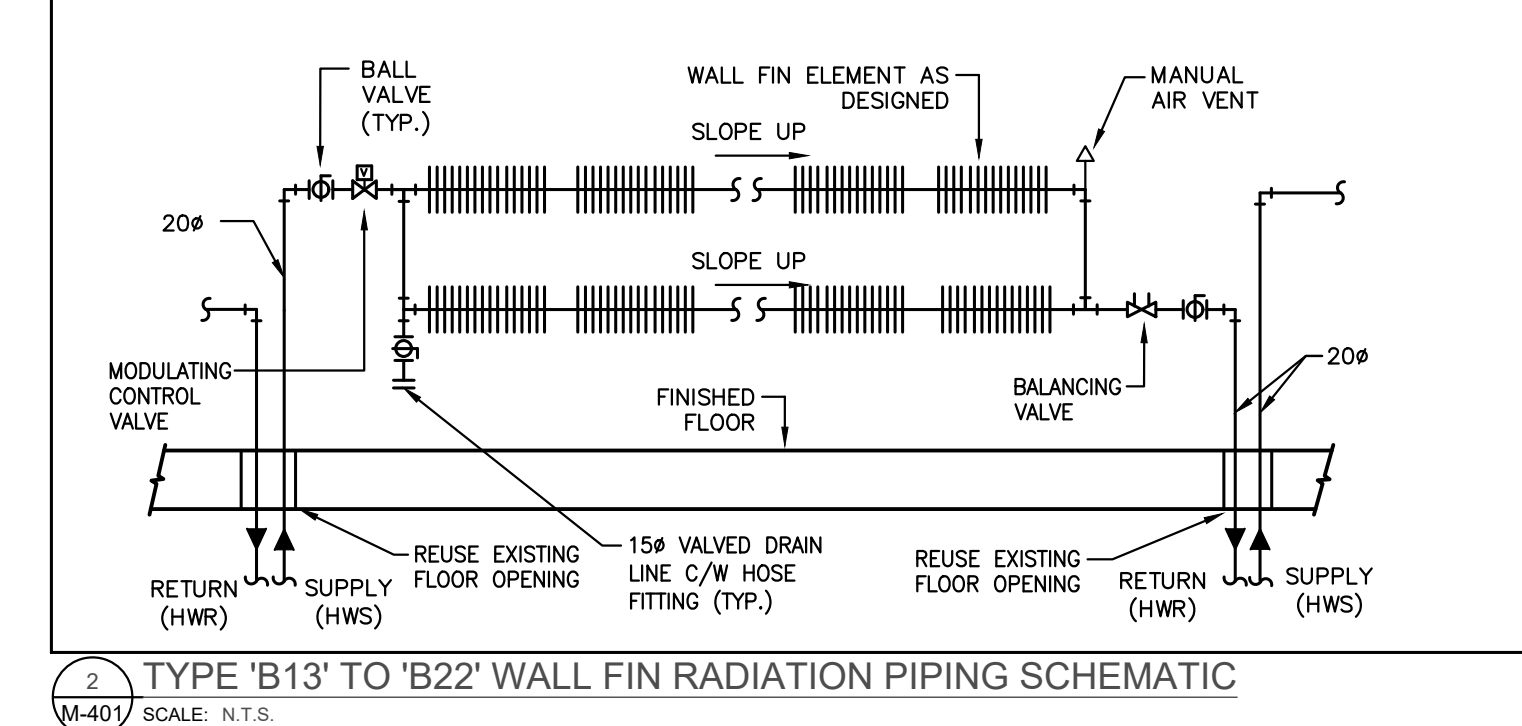
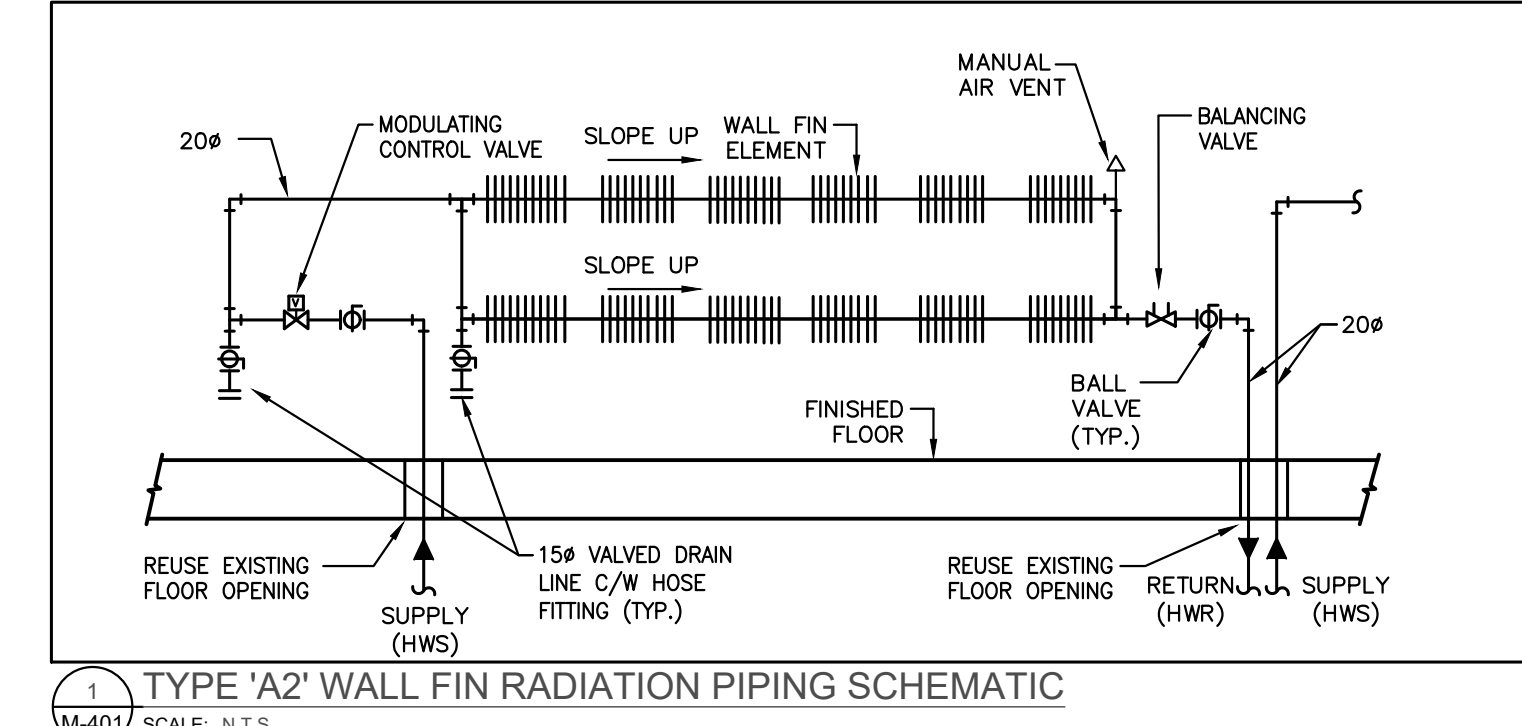


- ### GENERAL NOTES
1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
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 5. MECHANICAL CONTRACTOR SHALL ARRANGE WORK IN SUCH WAY THAT OTHER SERVICES ARE NOT DISRUPTED.
 6. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
 7. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
 8. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
 9. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
 10. MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
 11. INSTALLATION HEIGHT OF TEMPERATURE SENSORS SHALL BE 4'-0" (TYPICAL FOR ALL)

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR OUTTAKES IN CEILING SPACE. REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, ETC., CONTRACTOR SHALL COORDINATE WITH REDON'S PM PRIOR TO COMMENCEMENT OF ANY WORK.

- ### DRAWING NOTES
1. NEW FLOOR MOUNTED WALL-FIN CABINET RADIATOR C/W ENCLOSURE. PROVIDE NEW HEATING WATER PIPE AND CONNECT TO NEW/EXISTING HEATING WATER PIPE IN THIRD FLOOR CEILING SPACE. REFER TO DETAIL NO. 3 & 4/M-102 (TYPICAL)
 2. PROVIDE NEW CONDENSATE DRAIN C/W P-TRAP TO SERVE FAN COIL UNIT AND EXTEND TO NEAREST HUB DRAIN AS SHOWN. USE PIPE AS INDICATED (TYPICAL)
 3. NEW JANITOR ROOM FLOOR WATER DETECTION SENSOR. PROVIDE NECESSARY CONTROL WIRING, FLOOR SLAB CUTTING/PATCHING AS REQUIRED.
 4. DROP NEW 65# CHILLED WATER SUPPLY PIPE TO 3RD FLOOR CEILING SPACE AND CONNECT TO EXISTING SERVICES. REFER TO 3RD FLOOR MECHANICAL NEW LAYOUT.
 5. PROVIDE NEW 20# HEATING WATER SUPPLY/RETURN WATER PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING VALVE, CONTROL VALVE AND CONTROL WIRING (TYPICAL)
 6. CONNECT NEW CONDENSATE DRAIN PIPE TO EXISTING STORM DRAIN PIPING IN CEILING SPACE AT THE APPROPRIATE LOCATION. PIPE SHALL BE CONNECTED VERTICALLY (TYPICAL)
 7. TERMINATE NEW CONDENSATE DRAIN PIPE AT EXISTING JANITOR'S SINK. PROVIDE FLOOD SENSOR IN JAN. CLOSET (TYPICAL)
 8. DROP NEW 50# CHILLED WATER RETURN PIPE TO 3RD FLOOR CEILING SPACE AND CONNECT TO EXISTING RISER AT ELECTRICAL ROOM. REFER TO 3RD FLOOR MECHANICAL NEW LAYOUT.
 9. PRESSURE TEST ALL NEW PIPING FOR 24 HOURS WITH NO LOSS OF PRESSURE PRIOR TO INSULATING FITTINGS AND OPENING MAIN VALVES (TYPICAL)
 10. NEW FAN COIL UNIT IN CEILING SPACE. INSTALL UNIT TIGHT TO CEILING SLAB AS HIGH AS POSSIBLE. PROVIDE UNIT SUPPORTS AS REQUIRED (TYPICAL)
 11. PROVIDE NEW 25# CHILLED WATER SUPPLY/RETURN WATER PIPE & 20# HEATING WATER SUPPLY/RETURN PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING VALVE, CONTROL VALVE AND CONTROL WIRING (TYPICAL)
 12. NEW WALL FIN AND ENCLOSURE SHALL BE CONTINUED FROM WALL TO WALL. PROVIDE TWO CAPS NEAR WALL AS REQUIRED. ENCLOSURE SHALL HAVE ACCESS PANEL WHERE CONTROL VALVES ARE LOCATED. ENCLOSURE SHALL BE ACCESSIBLE AT ALL TIMES.
 13. AT EACH DRAINAGE OF DIRECTION OF FLOOR CHILLED WATER PIPING CONTRACTOR TO PROVIDE OFFSET AT PER MECHANICAL DETAIL NO. 10/M-102 (TYPICAL)
 14. NEW 20# HEATING SUPPLY/RETURN PIPE FROM NEW/EXISTING HEATING SUPPLY/RETURN PIPE MAIN LOCATED IN THIRD FLOOR CEILING SPACE. PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/DRILLING/FIRE-STOPPING AS REQUIRED. CONTRACTOR TO ENSURE ALL PIPING ARE ENCLOSED WITHIN RAD ENCLOSURE. PROVIDE ALL NECESSARY FITTING/PIPE EXTENSION AS REQUIRED.



AREA 'B'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-04-2022	ISSUED FOR 90% REVIEW
4	06-13-2022	ISSUED FOR TENDER

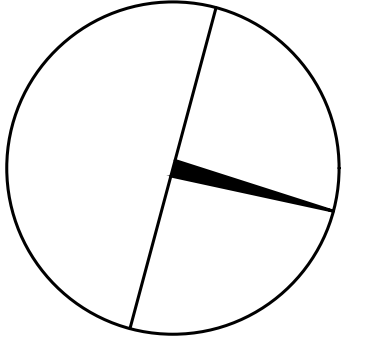
G. Bruce Stratton Architects

217 Richmond Street West, Suite 300
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GPY + Associates Engineering Inc.

90C Centurian Drive
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Tel: 905 475 3138
Fax: 866 853 3732
email: engineering@gpyengineering.com



PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: S.P.R./G.G.

SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR
AREA 'B'
HYDRONIC NEW LAYOUT

SHEET NUMBER:

M-401



GENERAL NOTES

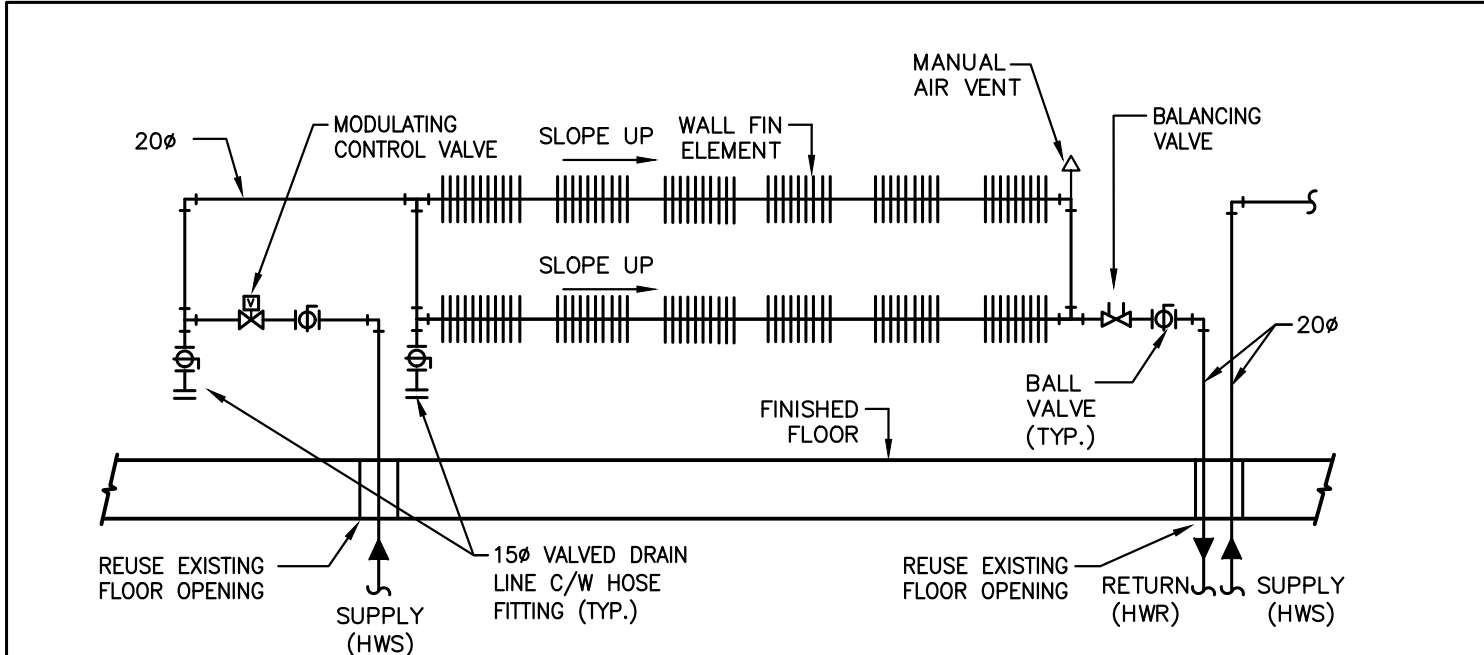
1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING & NEW MECHANICAL, STRUCTURAL, AND ELECTRICAL SERVICES.
4. CONTRACTOR IS RESPONSIBLE TO MAKE SITE MEASUREMENTS AND TO ENSURE THAT ALL CLEARANCES AND ACCESS NECESSARY ARE PROVIDED.
5. MECHANICAL CONTRACTOR SHALL ARRANGE WORK IN SUCH WAY THAT OTHER SERVICES ARE NOT DISRUPTED.
6. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.
7. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS PANELS/DOORS AS REQUIRED.
8. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
9. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
10. MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
11. INSTALLATION HEIGHT OF TEMPERATURE SENSORS SHALL BE 4'-0" (TYPICAL FOR ALL)

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR OUTTAKES IN CEILING SPACE. REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN, FLOOR SLAB CUTTING/PATCHING, E.T.C. CONTRACTOR SHALL COORDINATE WITH REDON'S PM PRIOR TO COMMENCEMENT OF ANY WORK.

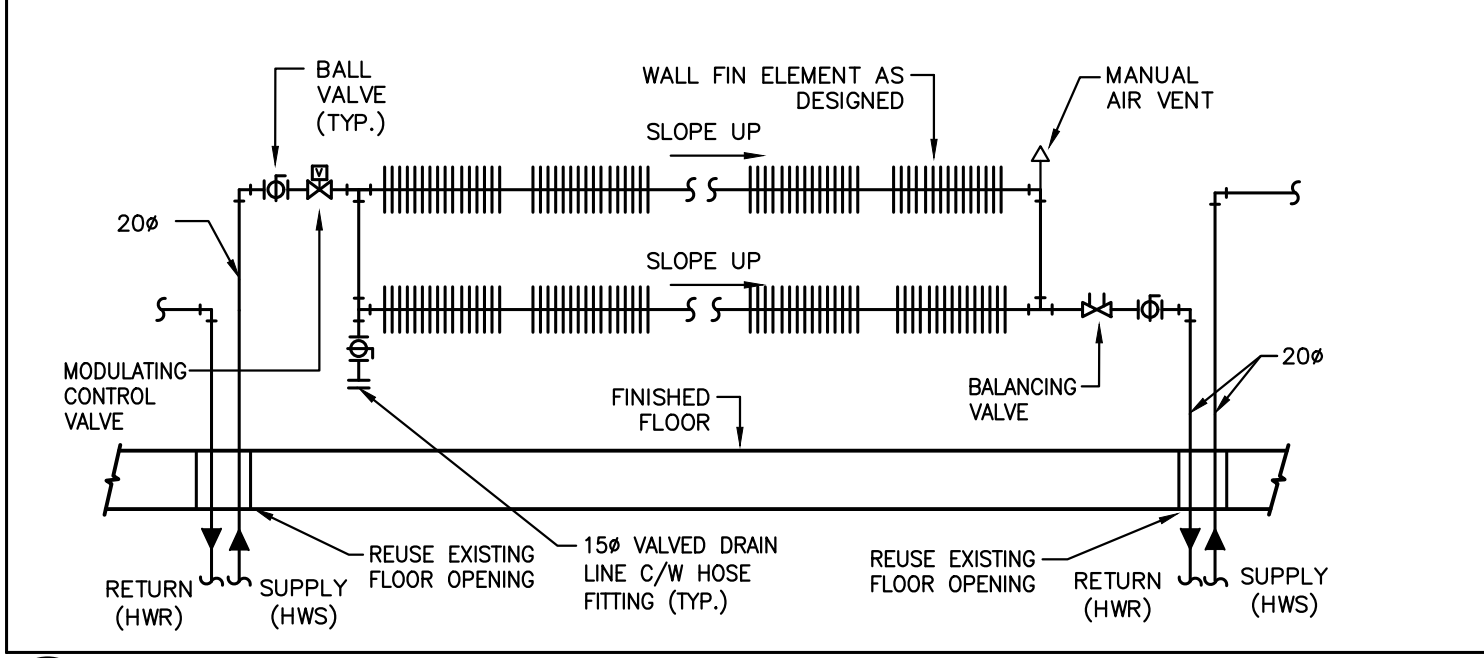
DRAWING NOTES

1. NEW FLOOR MOUNTED WALL-FIN CABINET RADIATOR C/W ENCLOSURE. PROVIDE NEW HEATING WATER PIPE AND CONNECT TO EXISTING HEATING WATER PIPE IN THIRD FLOOR CEILING SPACE. REFER TO DETAIL NO. 3 & 4/M-102 (TYPICAL).
2. PROVIDE NEW CONDENSATE DRAIN C/W P-TRAP TO SERVE FAN COIL UNIT AND EXTEND TO NEAREST HUB DRAIN AS SHOWN. SIZE PIPE AS INDICATED. (TYPICAL)
3. NEW JANITOR ROOM FLOOR WATER DETECTION SENSOR. PROVIDE NECESSARY CONTROL WIRING, FLOOR SLAB CUTTING/PATCHING AS REQUIRED.
4. DROP NEW 5/8" CHILLED WATER SUPPLY PIPE TO 3RD FLOOR CEILING SPACE AND CONNECT TO EXISTING SERVICES. REFER TO 3RD FLOOR MECHANICAL NEW LAYOUT.
5. PROVIDE NEW 20# HEATING WATER SUPPLY/RETURN WATER PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING VALVE, CONTROL VALVE AND CONTROL WIRING. (TYPICAL)
6. CONNECT NEW CONDENSATE DRAIN PIPE TO EXISTING STORM DRAIN PIPING IN CEILING SPACE AT THE APPROPRIATE LOCATION. PIPE SHALL BE CONNECTED VERTICALLY. (TYPICAL)
7. TERMINATE NEW CONDENSATE DRAIN PIPE AT EXISTING JANITOR'S SINK. PROVIDE FLOOD SENSOR IN JAN. CLOSET. (TYPICAL)
8. DROP NEW 5/8" CHILLED WATER RETURN PIPE TO 3RD FLOOR CEILING SPACE AND CONNECT TO EXISTING RISER AT ELECTRICAL ROOM. REFER TO 3RD FLOOR MECHANICAL NEW LAYOUT.
9. PRESSURE TEST ALL NEW PIPING FOR 24 HOURS WITH NO LOSS OF PRESSURE PRIOR TO INSULATING FITTINGS AND OPENING MAIN VALVES. (TYPICAL)
10. NEW FAN COIL UNIT IN CEILING SPACE. INSTALL UNIT TIGHT TO CEILING SLAB AS HIGH AS POSSIBLE. PROVIDE UNIT SUPPORTS AS REQUIRED. (TYPICAL)
11. PROVIDE NEW 25# CHILLED WATER SUPPLY/RETURN WATER PIPE & 20# HEATING WATER SUPPLY/RETURN PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING VALVE, CONTROL VALVE AND CONTROL WIRING. (TYPICAL)
12. NEW WALL FIN AND ENCLOSURE SHALL BE CONTINUED FROM WALL TO WALL. PROVIDE TWO CAPS NEAR WALL AS REQUIRED. ENCLOSURE SHALL HAVE ACCESS PANEL WHERE CONTROL VALVES ARE LOCATED. ENCLOSURE SHALL BE ACCESSIBLE AT ALL TIMES.
13. AT EACH CHANGE OF DIRECTION ON CHILLED WATER PIPING CONTRACTOR TO PROVIDE OFFSET AS PER MECHANICAL DETAIL NO. 10/M-102 (TYPICAL)
14. NEW 20# HEATING SUPPLY/RETURN PIPE FROM NEW/EXISTING HEATING SUPPLY/RETURN PIPE MAIN LOCATED IN THIRD FLOOR CEILING SPACE. PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/DRILLING/FIRE-STOPPING AS REQUIRED. CONTRACTOR TO ENSURE ALL PIPING ARE ENCLOSED WITHIN RAD ENCLOSURE. PROVIDE ALL NECESSARY FITTING/PIPE EXTENSION AS REQUIRED.



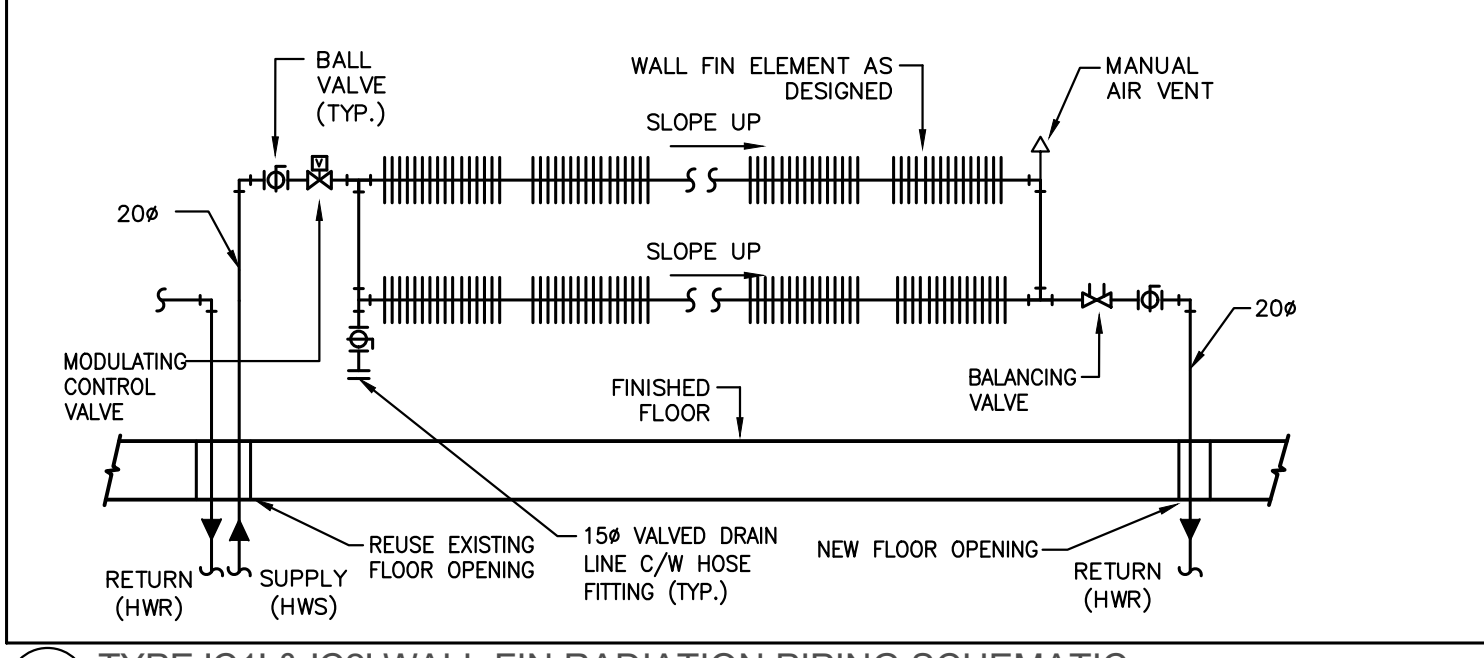
TYPE A2 WALL FIN RADIATION PIPING SCHEMATIC

M-402 SCALE: N.T.S.



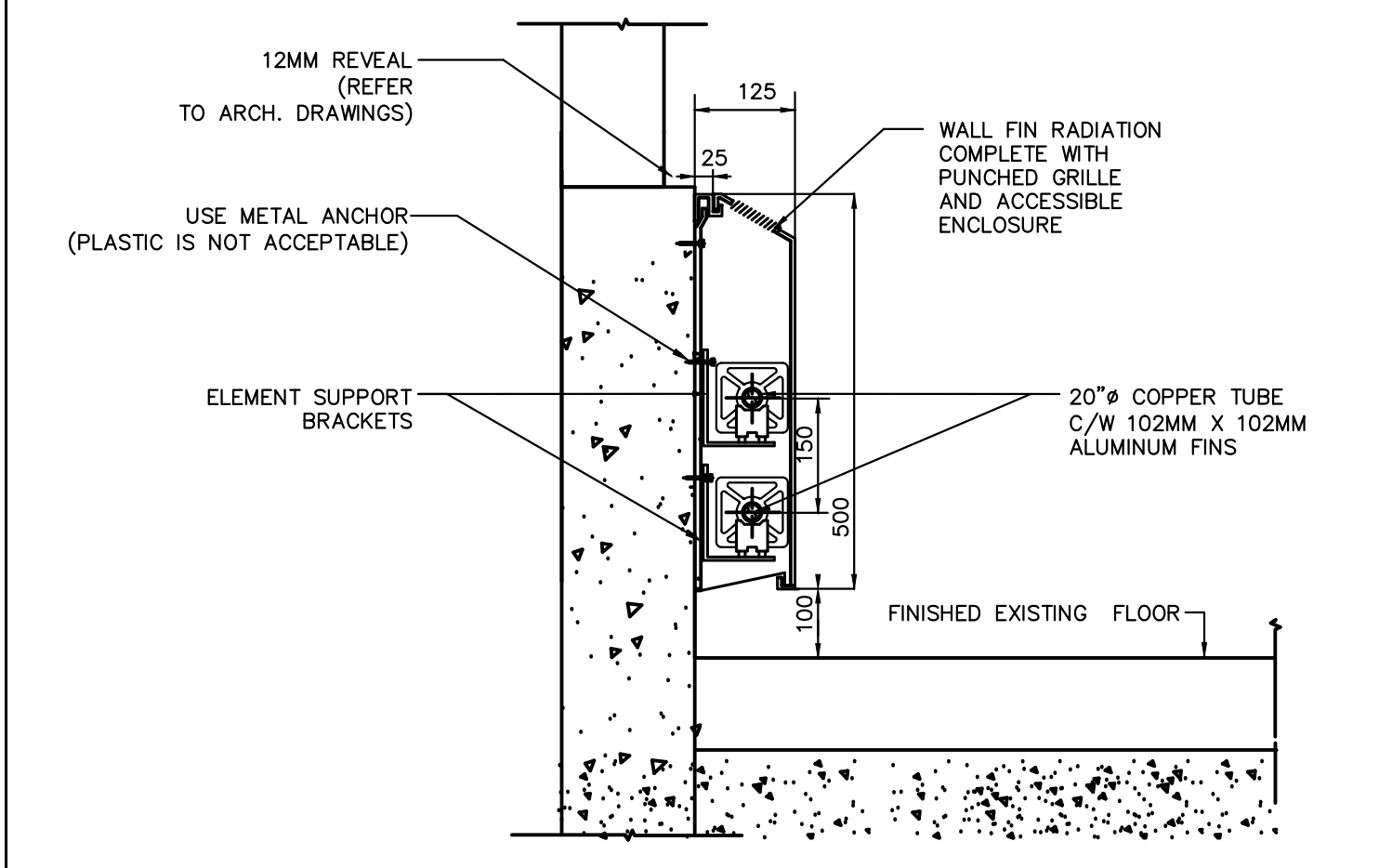
TYPE B13 TO B22 WALL FIN RADIATION PIPING SCHEMATIC

M-402 SCALE: N.T.S.



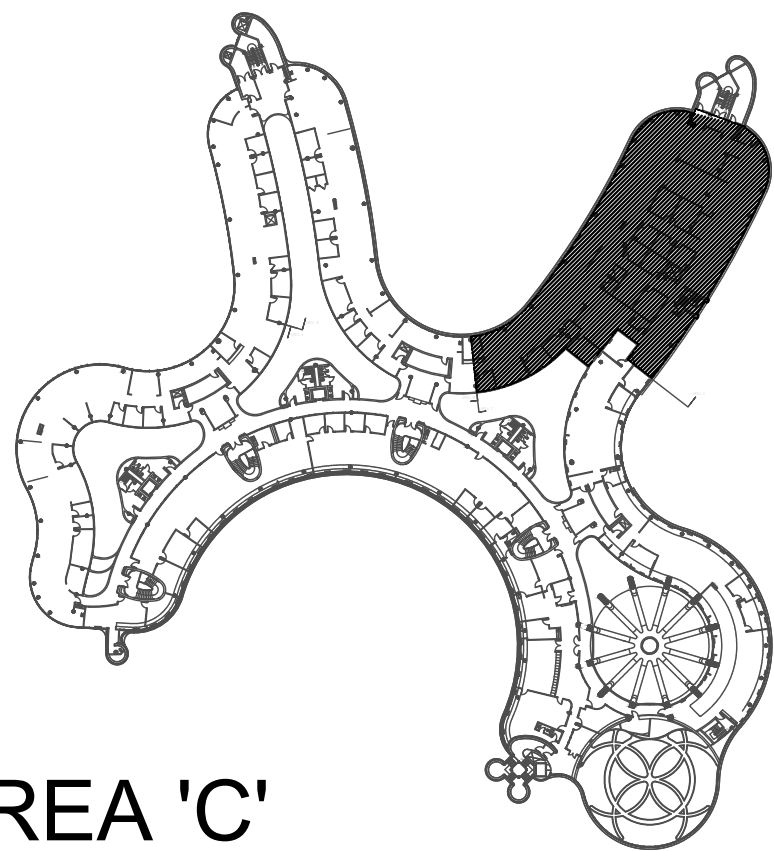
TYPE C1 & C2 WALL FIN RADIATION PIPING SCHEMATIC

M-402 SCALE: N.T.S.



DOUBLE WALL FIN RADIATION DETAIL

M-402 SCALE: N.T.S.



AREA 'C'

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-04-2022	ISSUED FOR 80% REVIEW
4	06-13-2022	ISSUED FOR TENDER

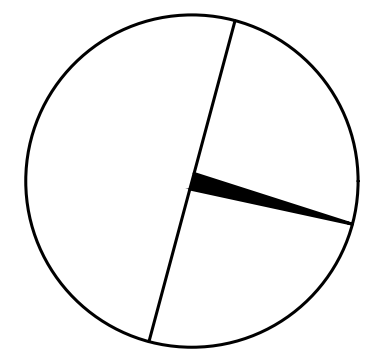
G. Bruce Stratton Architects

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GPY +
Associates Engineering Inc.

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Tel: 905 475 3138
Fax: 866 853 3732
email: engineering
@gpyengineering.com



PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 4TH

BASE DATE: 01-01-2022

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

DRAWN BY: S.P.R./G.G.

SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR
AREA 'B'
HYDRONIC NEW LAYOUT

SHEET NUMBER:

M-402

GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.

2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.

3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING & NEW MECHANICAL, STRUCTURAL, AND ELECTRICAL SERVICES.

4. CONTRACTOR IS RESPONSIBLE TO MAKE SITE MEASUREMENTS AND TO ENSURE THAT ALL CLEARANCES AND ACCESS NECESSARY ARE PROVIDED.

5. MECHANICAL CONTRACTOR SHALL ARRANGE WORK IN SUCH WAY THAT OTHER SERVICES ARE NOT DISRUPTED.

6. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL, CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.

7. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS PANELS/DOORS AS REQUIRED.

8. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.

9. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.

10. MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.

11. INSTALLATION HEIGHT OF TEMPERATURE SENSORS SHALL BE 4'-0" (TYPICAL FOR ALL)

NOTES

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DRAWING NOTES

① NEW CONTROL VALVE FOR PROMETHEUS RADIATOR. CONTROL VALVE SHALL BE CONNECTED TO ASSOCIATED CONTROLLER AS SHOWN. (TYPICAL)

② NEW TEMPERATURE SENSOR. PROVIDE CONTROL WIRING AS REQUIRED. EXACT LOCATION TO BE CONFIRMED ON SITE WITH THE ARCHITECT. (TYPICAL)

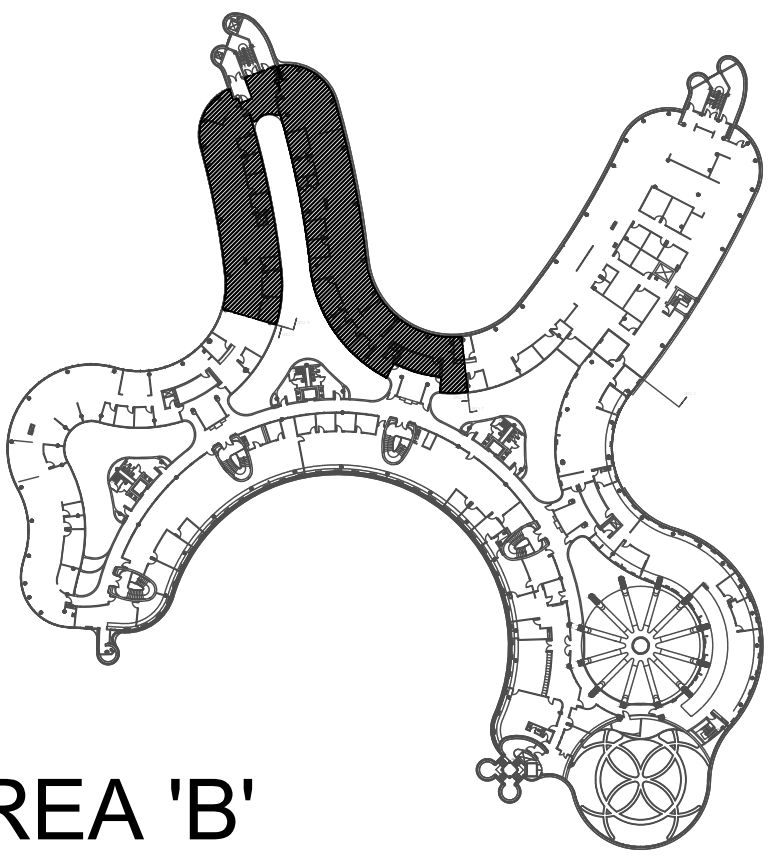
③ NEW FAN COIL UNIT. PROVIDE NEW GAS CONTROLLER IN CEILING SPACE. PROVIDE CONTROL WIRING AND TRANSFORMER AS REQUIRED. CONTROLLER SHALL BE INSTALLED INSIDE FAN COIL UNIT. COORDINATE WORK WITH FAN COIL UNIT MANUFACTURER. (TYPICAL)

④ NEW TEMPERATURE SENSOR WITH CO₂ SENSOR. PROVIDE CONTROL WIRING. EXACT LOCATION TO BE CONFIRMED ON SITE WITH THE ARCHITECT. (TYPICAL)

⑤ NEW JANITOR ROOM FLOOR WATER DETECTION SENSOR. PROVIDE NECESSARY CONTROL WIRING, FLOOR SLAB CUTTING/PATCHING AS REQUIRED.

⑥ NEW CONTROLS PANEL IN ELECTRICAL ROOM BY CONTROLS CONTRACTOR. POWER BY DIV. 16.

⑦ EXISTING AVERAGING TEMPERATURE SENSOR FOR THIS FLOOR C/W CONTROL WIRING TO ROOM.



AREA 'B'

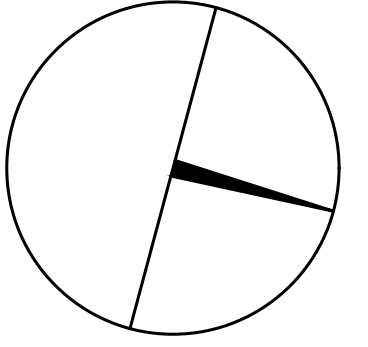

SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
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3	05-31-2022	ISSUED FOR 97% REVIEW
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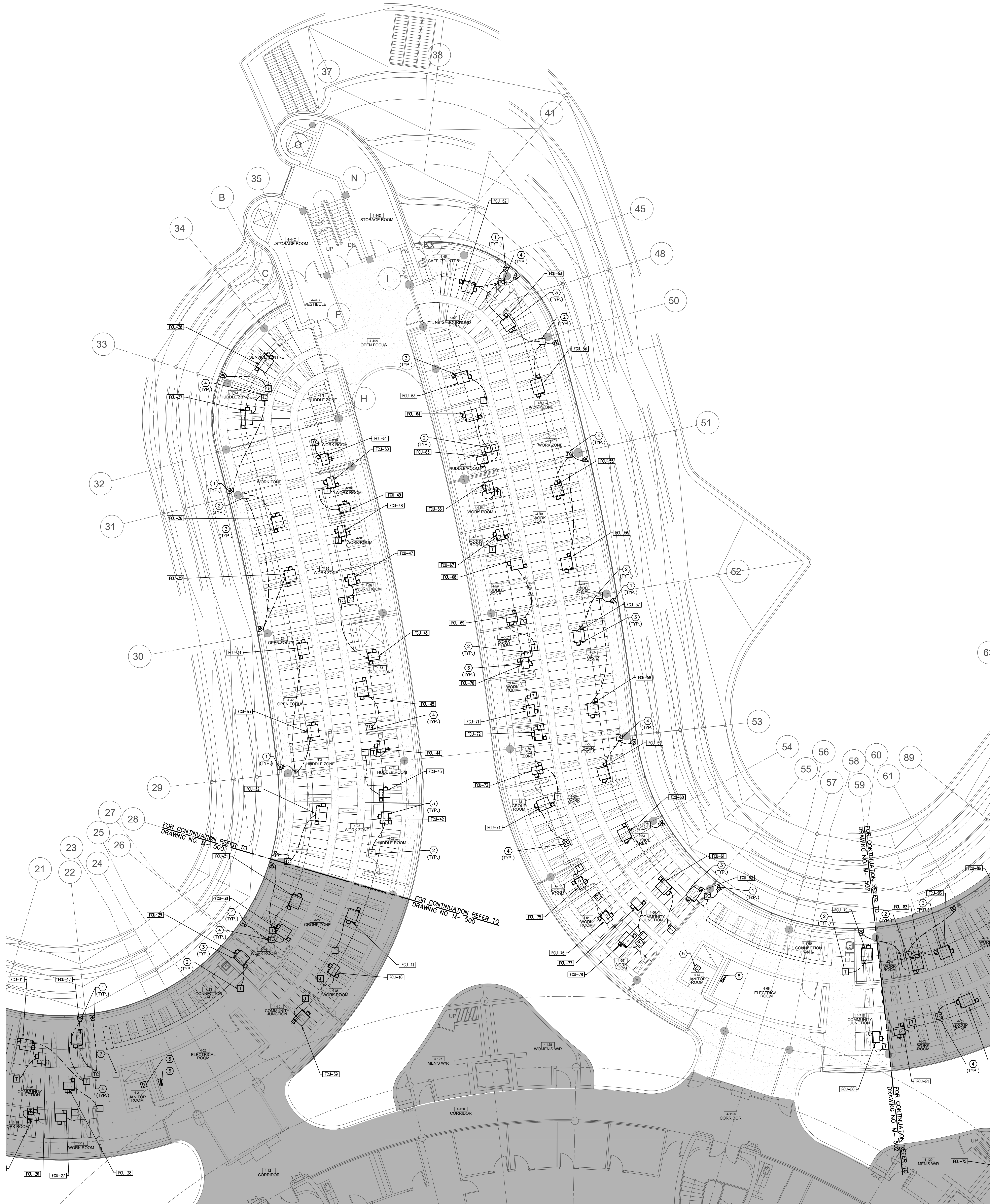
Tel: 905 475 3138
Fax: 866 853 3732
email: engineering@gpysengineering.com





PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	<div>PROJECT #9907</div> <div>YORK REGION</div> <div>Administrative Centre 17250 Yonge Street Newmarket, Ontario</div>
SCALE:	1:100m
DRAWN BY:	S.P.R./G.G.
SUBMITTED TO:	MUNICIPALITY OF YORK
SHEET TITLE:	<div>PARTIAL 4TH FLOOR</div> <div>AREA 'B'</div> <div>CONTROLS LAYOUT</div>
SHEET NUMBER:	M-501



GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONING PRIOR TO SUBMITTING ANY QUOTATION.

2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.

3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING & NEW MECHANICAL, STRUCTURAL, AND ELECTRICAL SERVICES.

4. CONTRACTOR IS RESPONSIBLE TO MAKE SITE MEASUREMENTS AND TO ENSURE THAT ALL CLEARANCES AND ACCESS NECESSARY ARE PROVIDED.

5. MECHANICAL CONTRACTOR SHALL ARRANGE WORK IN SUCH WAY THAT OTHER SERVICES ARE NOT DISRUPTED.

6. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL, CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF WORKS.

7. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS PANELS/DOORS AS REQUIRED.

8. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.

9. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.

10. MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.

11. INSTALLATION HEIGHT OF TEMPERATURE SENSORS SHALL BE 4'-0" (TYPICAL FOR ALL)

NOTES

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DRAWING NOTES

① NEW CONTROL VALVE FOR PROMOTER RADIATOR. CONTROL VALVE SHALL BE CONNECTED TO ASSOCIATED CONTROLLER AS SHOWN. (TYPICAL)

② NEW TEMPERATURE SENSOR. PROVIDE CONTROL WIRING AS REQUIRED. EXACT LOCATION TO BE CONFIRMED ON SITE WITH THE ARCHITECT. (TYPICAL)

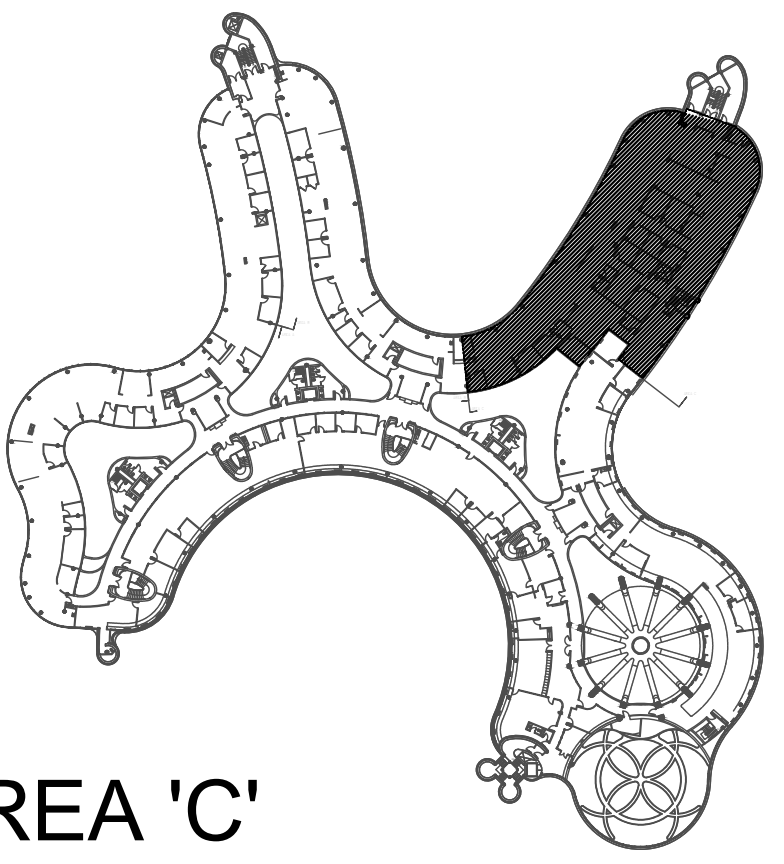
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⑥ NEW CONTROLS PANEL IN ELECTRICAL ROOM BY CONTROLS CONTRACTOR. POWER BY DIV. 16.

⑦ EXISTING AVERAGING TEMPERATURE SENSOR FOR THIS FLOOR C/W CONTROL WIRING TO ROOM.



AREA 'C'

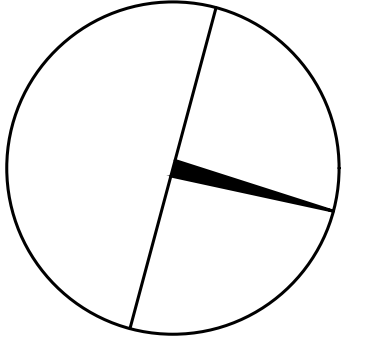

SUBMISSION	DATE	DESCRIPTION
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PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	4TH
BASE DATE:	01-01-2022
PROJECT:	
PROJECT #9907	
YORK REGION	
Administrative Centre 17250 Yonge Street Newmarket, Ontario	
SCALE: 1:100m	
DRAWN BY:	S.P.R./G.G.
SUBMITTED TO:	MUNICIPALITY OF YORK
SHEET TITLE:	PARTIAL 4TH FLOOR AREA 'C' CONTROLS LAYOUT
SHEET NUMBER:	M-502

