

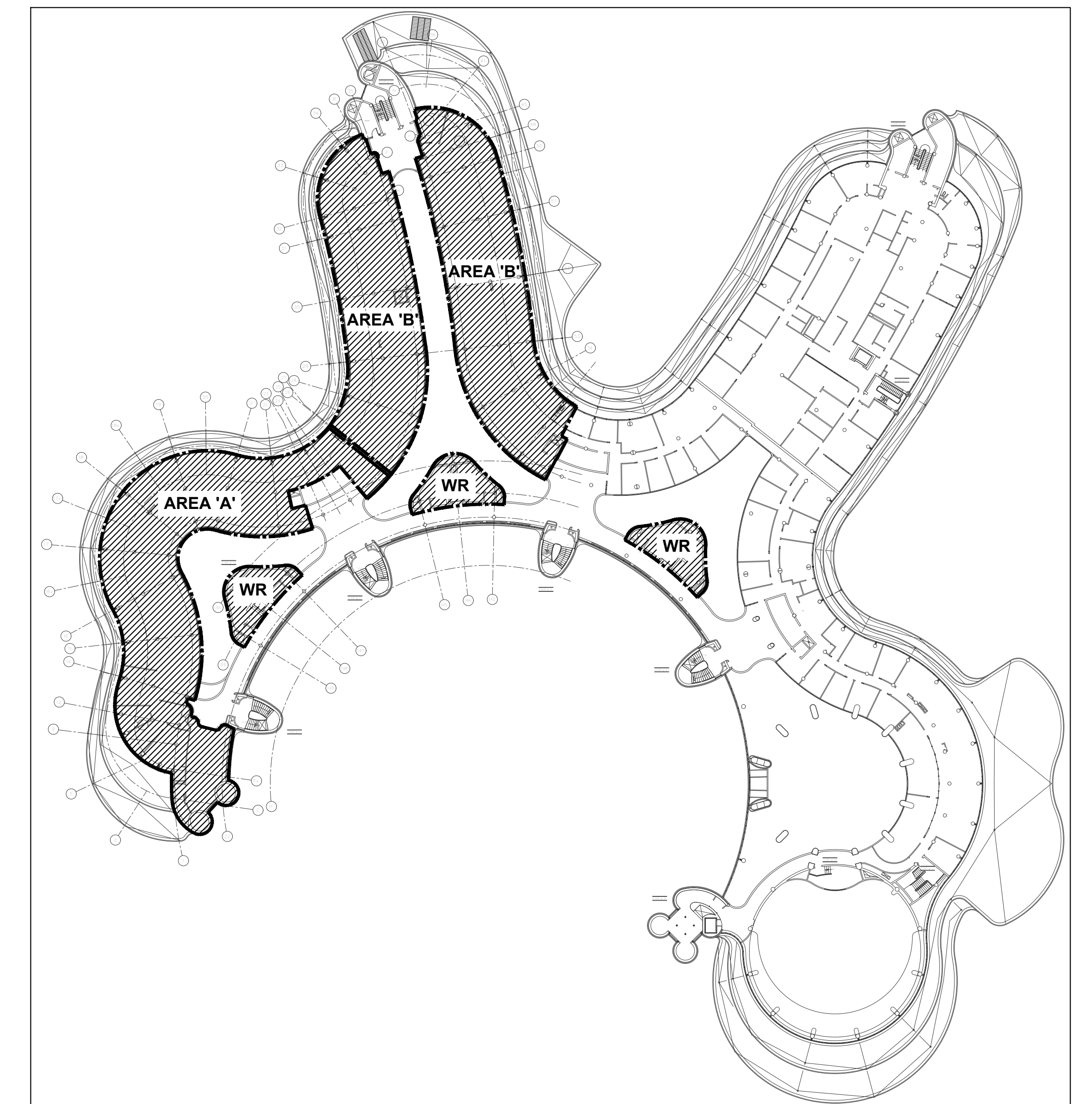


THE REGIONAL MUNICIPALITY OF YORK

YORK REGION ADMINISTRATIVE CENTRE PROJECT NUMBER : 9900

INTERIOR ALTERATIONS FOR YORK REGION ADMINISTRATIVE CENTRE

17250 YONGE STREET - 3RD FLOOR
NEWMARKET, ONTARIO L3Y 4W5



SCOPE OF WORK - 

CONTENT	ISSUED FOR	DATE	FILE No.
MECHANICAL DRAWINGS	ISSUED FOR TENDER	NOVEMBER 5, 2020	GPY-9900
MECHANICAL DRAWINGS	ISSUED FOR CONSTRUCTION	MARCH 19, 2021	GPY-9900

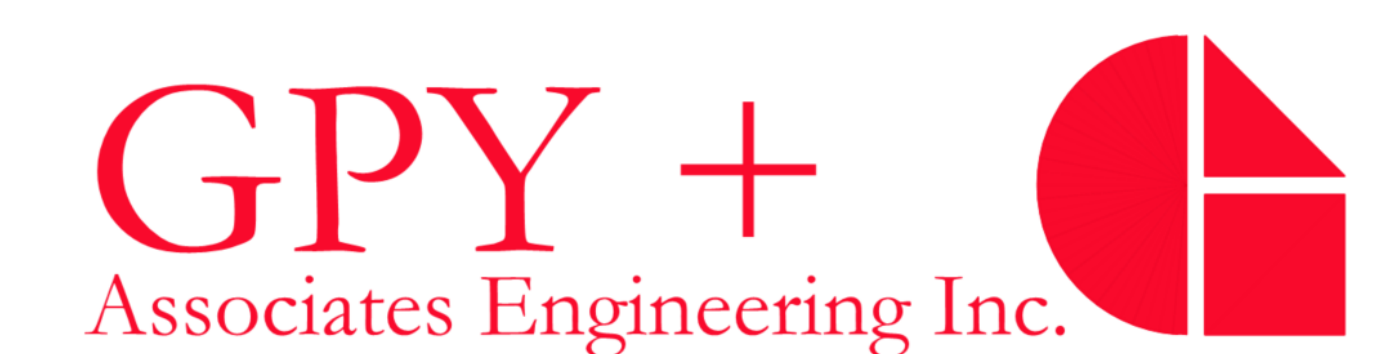
GPY+ ASSOCIATES ENGINEERING INC. MECHANICAL CONSULTING ENGINEERS

90C Centurian Drive, Unit #6,

Markham, Ontario, L3R 8C5

TEL: (905) 475-3138, FAX: 1(866) 853-3732

E-mail: engineering@gpyengineering.com



PLUMBING FIXTURE SPECIFICATIONS		
<p>1.-1.- SHALL BE LOWAR MINIMUM DIAM 2" TWO (2) SETS OF LOWAR RUBBER SEALS (LOWR RUBBON STOP DISPENSER, L-R-020 RUBBON SENSOR TAP FIN) TO BE STAINLESS STEEL.</p> <p>*FOR EXACT SIZE AND COLOUR OF BASIN, REFER TO ARCHITECTURAL DRAWINGS.</p> <p>*HANDY SHOWN SHALL BE REPEATED BY LOWAR TUBING DRAWINGS.</p> <p>*TRAP SHALL BE HEAVY CAST BRASS ADJUSTABLE TRAP WITH CLEANOUT PLUG ON THE BOTTOM OF THE TRAP.</p> <p>*FAUCET HAND SHOWN PROVIDED TO BE INSTALLED BY MECHANICAL TRADES AND ELECTRICAL CONTRACTOR BY DIV. 16. INSTALLATION SHALL ONLY PROCEED WITH YORK REGION'S FM APPROVAL & DIRECTIONS.</p>		
<p>1.-1.- WALL HANG TOILET - VITREOUS CHINA - FOR FLUSH VALVE - EXPOSED - NO TOUCH - HARDWARE</p> <p>AMERICAN STANDARD APWALL MULLINUM FLOWING ELONGATED 3530101000 HET TOILET, VITREOUS CHINA WITH EROGLEAN ANTIMICROBIAL SURFACE WHICH INHIBITS THE GROWTH OF STAIN AND ODOR CAUSING BACTERIA AND MOLD. ELONGATED BOWL, WHITE FINISH, WALL HANG, SHOWN SET FLUSH ACTION, OPERATES IN THE RANGE OF 4.1 L TO 6 L (1.1 US GAL TO 1.6 US GAL) PER FLUSH, CONDENSATE CHANNEL, 300 MM X 254 MM (12" X 10") WATER SURFACE, SHOWN SET FLUSH ACTION, CONDENSATE CHANNEL, ELONGATED BOWL, 54 MM (2-1/8") FULLY GATED INTERNAL TRAPWAY, TOILET SEAT NOT INCLUDED, 38 MM (1-1/2") DIA. TOP SPUD.</p> <p>CHROME PLATED 4005025000 TOILET SEAT, HEAVY DUTY, FOR ELONGATED BOWL, OPEN FROM, SOLID PLASTIC, LESS COVER, STAINLESS STEEL CHECK VALVES, METAL FLAT WASHERS, STAINLESS STEEL POSTS AND NUTS, AMERICAN STANDARD ELECTRONIC 80061012, EXPOSED FLUSH VALVE FOR TOP SPUD TOILET, POLISHED CHROME FINISH, 4.8 L (1.28 US GAL) PER FLUSH, SELF-CLEANING BRASS PISTON WITH INTEGRAL WATER SPRING PREVENTS CLOGGING, PROMPTLY FLUSH VALVE WITH PROGRAMMABLE, MULTI-FUNCTION INFRARED SENSOR, TRUE MECHANICAL OVER-RIDE BUTTON, 1" IPS BRASS-ON-ORANGE STOP FLUSH TUBE FOR 292 MM (11-1/2") ROUGH-IN, OUTLET INCLUDES 38 MM (1-1/2") VACUUM BREAKER FOR BACK-FLOW PREVENTION, CHROME PLATE, ONLY REQUIRED WHEN FOWER SUPPLY MUST BE INSTALLED FROM THE FRONT, AS POWERED (HAND WASH), AMERICAN STANDARD 80061012, HARDWARE HARDWARE AC - POWER KIT, INCLUDES 1/2" LONG EXTENSION CABLE, WATTS #62A-10-WIT SINGLE HORIZONTAL, ADJUSTABLE TOILET CARRIER, MOUNTED ON CONCRETE FLOOR, ALL EXIST COATED CAST IRON FITTING, ADJUSTABLE ASS SLIDE INPLE WITH INTERNAL TEST CAP AND NIPROUSE BROW GASKET, WASTES PLATED HARDWARE, CHROME CAP NUTS, FLUNG FRAME, 102 MM (4") NO HUB WASTE, 51 MM (2") NO HUB VENT, 1584 KG (350 LBS) STATIC LOAD, 300 MM (12") FINISHED METAL STD WALL TO BACK OF PIPE SPACE, CHAMPION M-X SERIES 8M-HUB DRAM COUPLING, COUPLING, NON-HUB, TYPE 304 AND STAINLESS STEEL BAND, TYPE 304 AND STAINLESS STEEL, TOILET, ELECTRONIC COMPONENT GASKET MEETING THE REQUIREMENTS OF ASTM C-594, TYPE 304 AND STAINLESS STEEL SHELL, PAINTED RED FOR EASY IDENTIFICATION, TESTED TO MAINTAIN 15 PSIA MAXIMUM LINE PRESSURE AT 80 INCH LB MIN TO 100 INCH LB MAXIMUM TORQUE BELT TIGHTNESS, TESTED BY JPMCO TO COMPLY TO FM 1800-1800 STANDARD (EXCEPT FOR MARKINGS) AND CSA B602-2010 STANDARD (UP TO 107), THEY ARE TESTED AND CERTIFIED TO ASTM C1540-2011 STANDARD, FOR GSPH CODE APPLICATION NOTE 5-3115 REVISED 6/29/2011, SIGNED BY PAUL COLEMAN, SECTION 1(A) STATES THAT: "THE USE OF COUPINGS THAT HAVE BEEN TESTED TO CONFORM TO THE PERFORMANCE REQUIREMENTS OF FM APPROVALS, APPROVAL, STANDARD 1860, CLASS 1 BY FM APPROVALS OR BY A NATIONALLY RECOGNIZED TESTING AGENCY" ARE ACCEPTABLE.</p>	<p>#62-301, 800 MM HORIZONTAL TRANSFORMER, 100 1/4" X 60C, WATTS #62-301 FUTURE CARRIER, MOUNTED ON CONCRETE FLOOR, STEEL HANGER PLATE, HEAVY GAUGE EPDM COATED STOP, OFFSET UPRIGHTS WITH WELDED FEET SUPPORTS, FOR ONE UNIT, 102 MM (4") FOR TWO TO SIX UNITS IN A ROW, 152 MM (6") FINISHED METAL STD WALL TO BACK OF PIPE SPACE, WATTS #62C-10-WIT WALL ACCESS CLEANOUT, TWO (2) PIPES EXPANDABLE PLUG WITH 102 MM (4") DIAMETER STAINLESS STEEL ACCESS COVER, SECURED WITH VANAL, PROOF STAINLESS STEEL SORER, CHAMPION M-X SERIES 8M-HUB DRAM COUPLING, COUPLING, NON-HUB, TYPE 304 AND STAINLESS STEEL BAND, TYPE 304 AND STAINLESS STEEL, TOILET, ELECTRONIC COMPONENT GASKET MEETING THE REQUIREMENTS OF ASTM C-594, TYPE 304 AND STAINLESS STEEL SHELL, PAINTED RED FOR EASY IDENTIFICATION, TESTED TO MAINTAIN 15 PSIA MAXIMUM LINE PRESSURE AT 80 INCH LB MIN TO 100 INCH LB MAXIMUM TORQUE BELT TIGHTNESS, TESTED BY JPMCO TO COMPLY TO FM 1800-1800 STANDARD (EXCEPT FOR MARKINGS) AND CSA B602-2010 STANDARD (UP TO 107), THEY ARE TESTED AND CERTIFIED TO ASTM C1540-2011 STANDARD, FOR GSPH CODE APPLICATION NOTE 5-3115 REVISED 6/29/2011, SIGNED BY PAUL COLEMAN, SECTION 1(A) STATES THAT: "THE USE OF COUPINGS THAT HAVE BEEN TESTED TO CONFORM TO THE PERFORMANCE REQUIREMENTS OF FM APPROVALS, APPROVAL, STANDARD 1860, CLASS 1 BY FM APPROVALS OR BY A NATIONALLY RECOGNIZED TESTING AGENCY" ARE ACCEPTABLE.</p>	
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(1.2 MM) TYPE 304 STAINLESS STEEL, SELF-IMMERS, SLEEN, FINISH RIM AND BOWEL, MOUNTING KIT PROVIDED, FULLY UNDERGROUTED TO REDUCE CONDENSATION AND RESONANCE, FACTOR APPLIED RIM SEAL, 3-1/2" (89 MM) CHROME CAP WASTE ASSEMBLY WITH 1-1/2" (38 MM) VALVEP.</p> <p>CHROME PLATED 4005025000 TOILET SEAT, HEAVY DUTY, FOR ELONGATED BOWL, OPEN FROM, SOLID PLASTIC, LESS COVER, STAINLESS STEEL CHECK VALVES, METAL FLAT WASHERS, STAINLESS STEEL POSTS AND NUTS, AMERICAN STANDARD ELECTRONIC 80061012, EXPOSED FLUSH VALVE FOR TOP SPUD TOILET, POLISHED CHROME FINISH, 4.8 L (1.28 US GAL) PER FLUSH, SELF-CLEANING BRASS PISTON WITH INTEGRAL WATER SPRING PREVENTS CLOGGING, PROMPTLY FLUSH VALVE WITH PROGRAMMABLE, MULTI-FUNCTION INFRARED SENSOR, TRUE MECHANICAL OVER-RIDE BUTTON, 1" IPS BRASS-ON-ORANGE STOP FLUSH TUBE FOR 292 MM (11-1/2") ROUGH-IN, OUTLET INCLUDES 38 MM (1-1/2") VACUUM BREAKER FOR BACK-FLOW PREVENTION, CHROME PLATE, ONLY REQUIRED WHEN FOWER SUPPLY MUST BE INSTALLED FROM THE FRONT, AS POWERED (HAND WASH), AMERICAN STANDARD 80061012, HARDWARE HARDWARE AC - POWER KIT, INCLUDES 1/2" LONG EXTENSION CABLE, WATTS #62A-10-WIT SINGLE HORIZONTAL, ADJUSTABLE TOILET CARRIER, MOUNTED ON CONCRETE FLOOR, ALL EXIST COATED CAST IRON FITTING, ADJUSTABLE ASS SLIDE INPLE WITH INTERNAL TEST CAP AND NIPROUSE BROW GASKET, WASTES PLATED HARDWARE, CHROME CAP NUTS, FLUNG FRAME, 102 MM (4") NO HUB WASTE, 51 MM (2") NO HUB VENT, 1584 KG (350 LBS) STATIC LOAD, 300 MM (12") FINISHED METAL STD WALL TO BACK OF PIPE SPACE, CHAMPION M-X SERIES 8M-HUB DRAM COUPLING, COUPLING, NON-HUB, TYPE 304 AND STAINLESS STEEL BAND, TYPE 304 AND STAINLESS STEEL, TOILET, ELECTRONIC COMPONENT GASKET MEETING THE REQUIREMENTS OF ASTM C-594, TYPE 304 AND STAINLESS STEEL SHELL, PAINTED RED FOR EASY IDENTIFICATION, TESTED TO MAINTAIN 15 PSIA MAXIMUM LINE PRESSURE AT 80 INCH LB MIN TO 100 INCH LB MAXIMUM TORQUE BELT TIGHTNESS, TESTED BY JPMCO TO COMPLY TO FM 1800-1800 STANDARD (EXCEPT FOR MARKINGS) AND CSA B602-2010 STANDARD (UP TO 107), THEY ARE TESTED AND CERTIFIED TO ASTM C1540-2011 STANDARD, FOR GSPH CODE APPLICATION NOTE 5-3115 REVISED 6/29/2011, SIGNED BY PAUL COLEMAN, SECTION 1(A) STATES THAT: "THE USE OF COUPINGS THAT HAVE BEEN TESTED TO CONFORM TO THE PERFORMANCE REQUIREMENTS OF FM APPROVALS, APPROVAL, STANDARD 1860, CLASS 1 BY FM APPROVALS OR BY A NATIONALLY RECOGNIZED TESTING AGENCY" ARE ACCEPTABLE.</p>	
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(1.2 MM) TYPE 304 STAINLESS STEEL, SELF-IMMERS, SLEEN, FINISH RIM AND BOWEL, MOUNTING KIT PROVIDED, FULLY UNDERGROUTED TO REDUCE CONDENSATION AND RESONANCE, FACTOR APPLIED RIM SEAL, 3-1/2" (89 MM) CHROME CAP WASTE ASSEMBLY WITH 1-1/2" (38 MM) VALVEP.</p> <p>CHROME PLATED 4005025000 TOILET SEAT, HEAVY DUTY, FOR ELONGATED BOWL, OPEN FROM, SOLID PLASTIC, LESS COVER, STAINLESS STEEL CHECK VALVES, METAL FLAT WASHERS, STAINLESS STEEL POSTS AND NUTS, AMERICAN STANDARD ELECTRONIC 80061012, EXPOSED FLUSH VALVE FOR TOP SPUD TOILET, POLISHED CHROME FINISH, 4.8 L (1.28 US GAL) PER FLUSH, SELF-CLEANING BRASS PISTON WITH INTEGRAL WATER SPRING PREVENTS CLOGGING, PROMPTLY FLUSH VALVE WITH PROGRAMMABLE, MULTI-FUNCTION INFRARED SENSOR, TRUE MECHANICAL OVER-RIDE BUTTON, 1" IPS BRASS-ON-ORANGE STOP FLUSH TUBE FOR 292 MM (11-1/2") ROUGH-IN, OUTLET INCLUDES 38 MM (1-1/2") VACUUM BREAKER FOR BACK-FLOW PREVENTION, CHROME PLATE, ONLY REQUIRED WHEN FOWER SUPPLY MUST BE INSTALLED FROM THE FRONT, AS POWERED (HAND WASH), AMERICAN STANDARD 80061012, HARDWARE HARDWARE AC - POWER KIT, INCLUDES 1/2" LONG EXTENSION CABLE, WATTS #62A-10-WIT SINGLE HORIZONTAL, ADJUSTABLE TOILET CARRIER, MOUNTED ON CONCRETE FLOOR, ALL EXIST COATED CAST IRON FITTING, ADJUSTABLE ASS SLIDE INPLE WITH INTERNAL TEST CAP AND NIPROUSE BROW GASKET, WASTES PLATED HARDWARE, CHROME CAP NUTS, FLUNG FRAME, 102 MM (4") NO HUB WASTE, 51 MM (2") NO HUB VENT, 1584 KG (350 LBS) STATIC LOAD, 300 MM (12") FINISHED METAL STD WALL TO BACK OF PIPE SPACE, CHAMPION M-X SERIES 8M-HUB DRAM COUPLING, COUPLING, NON-HUB, TYPE 304 AND STAINLESS STEEL BAND, TYPE 304 AND STAINLESS STEEL, TOILET, ELECTRONIC COMPONENT GASKET MEETING THE REQUIREMENTS OF ASTM C-594, TYPE 304 AND STAINLESS STEEL SHELL, PAINTED RED FOR EASY IDENTIFICATION, TESTED TO MAINTAIN 15 PSIA MAXIMUM LINE PRESSURE AT 80 INCH LB MIN TO 100 INCH LB MAXIMUM TORQUE BELT TIGHTNESS, TESTED BY JPMCO TO COMPLY TO FM 1800-1800 STANDARD (EXCEPT FOR MARKINGS) AND CSA B602-2010 STANDARD (UP TO 107), THEY ARE TESTED AND CERTIFIED TO ASTM C1540-2011 STANDARD, FOR GSPH CODE APPLICATION NOTE 5-3115 REVISED 6/29/2011, SIGNED BY PAUL COLEMAN, SECTION 1(A) STATES THAT: "THE USE OF COUPINGS THAT HAVE BEEN TESTED TO CONFORM TO THE PERFORMANCE REQUIREMENTS OF FM APPROVALS, APPROVAL, STANDARD 1860, CLASS 1 BY FM APPROVALS OR BY A NATIONALLY RECOGNIZED TESTING AGENCY" ARE ACCEPTABLE.</p>	

PLUMBING FIXTURE PIPING SCHEDULE				
FIXTURE TYPE	WATER SUPPLY		DRAIN	VENT
	HOT	COLD		
S.S. KITCHEN SINK	1/2"ø	1/2"ø	1-1/2"ø	1-1/4"ø
LAVATORY	1/2"ø	1/2"ø	1-1/2"ø	1-1/4"ø
WATER CLOSET (FLUSH VALVE)	—	1"ø	3"ø	1-1/2"ø
URNAL (FLUSH VALVE)	—	1"ø	3"ø	1-1/2"ø
FLOOR / HUB DRAIN	—	—	2"ø	1-1/2"ø
NOTES:				
1. PROVIDE TRAP PRIMER LINES AND TRAP PRIMERS FOR ALL FLOOR DRAINS.				
2. ALL PIPING SHALL BE CONCEALED WITHIN WALLS				
3. PROVIDE SHOCK STOPS ON HOT/COLD WATER SUPPLIES TO ALL FIXTURE GROUPS.				
4. ALL VENTING SHALL CONFORM TO CBC PART 7. INCREASE VENT SIZING AS REQUIRED WHERE TOTAL VENT LENGTH EXCEEDS SIZES LISTED ABOVE.				
5. CONTRACTOR TO THOROUGHLY INSPECT THE SITE TO DETERMINE LOCATION OF EXISTING PIPING OF SUFFICIENT SIZE, AND EXTEND NEW VENT PIPING TO THIS LOCATION.				
6. PROVIDE ISOLATION VALVES ON INCOMING PLUMBING PIPING.				
7. ALL FLOOR DRAINS, FUNNEL FLOOR DRAINS, AND STANDING WASTE PIPES SHALL BE PRIMED.				

DIFFUSER SCHEDULE			BASIS OF DESIGN: EHA PRICE EQUAL IN: METALARE, NAJDR, TITUS	
REF.	MODEL	DESCRIPTION	REMARKS	
A	SCDA	600MMX600MM SQUARE COW DIFFUSER, STEEL CONSTRUCTION, FULLY ADJUSTABLE AIR PATTERN CONTROLLER, SUITABLE FOR "T" BAR OR DOWNDRAFT MOUNTING, C/W VOLUME DAMPER AT DIFFUSER NECK	B12 WHITE POWDER COAT FINISH	
B	5300	45° DEFLECTION DOWNHANG AIR GRILLE, FIXED LOUVERS, 3/4" BLADE SPACING, C/W OPPOSED BLADE RETURN, FRONT BLADES PARALLEL TO FLOW DIRECTION, SUITABLE FOR DOWNDRAFT MOUNTING	B12 WHITE POWDER COAT FINISH	
C	80 SERIES	DAMP AIR GRILLE 12x24x12, EGGSHAPED, ALUMINUM CONSTRUCTION, SUITABLE FOR 1-BAR CEILING MOUNTING, SIZES AS INDICATED ON DRAWING	B12 WHITE POWDER COAT FINISH	
D	SCDA	300MMX300MM SQUARE COW DIFFUSER, STEEL CONSTRUCTION, FULLY ADJUSTABLE AIR PATTERN CONTROLLER, SUITABLE FOR "T" BAR OR DOWNDRAFT MOUNTING, C/W VOLUME DAMPER AT DIFFUSER NECK	B12 WHITE POWDER COAT FINISH	
E	SCDA	300MMX300MM SQUARE COW DIFFUSER, STEEL CONSTRUCTION, FULLY ADJUSTABLE AIR PATTERN CONTROLLER, SUITABLE FOR "T" BAR OR DOWNDRAFT MOUNTING, C/W VOLUME DAMPER AT DIFFUSER NECK	B12 WHITE POWDER COAT FINISH	
F	---	ARCHITECTURAL PLENUM SLAT DIFFUSER, DIFFUSER BY ARCHITECTURAL DIVISION, REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS	COLOR SHALL BE SELECTED BY ARCHITECT/ INTERIOR DESIGNER	

WALLFIN HEATER SCHEDULE										BASIS OF DESIGN: RITLING EQUAL IN: ENG. AIR, STERLING	
TAG	TYPE	MODEL	ENCLOSURE (mm) (LxWxH)	TUBE SIZE (mm)	NO. OF ROWS	CAPACITY (BTU/H)	FLOW (GPM/FT)	SUPPLY WATER TEMP. (°C)	RETURN WATER TEMP. (°C)	AVERAGE WATER TEMPERATURE (°C)	WALLFIN ELEMENT LENGTH (mm)
WF-1	HYDRONIC	8805-3/AC4-1/448	750x500x140	20	2	995	0.18	60	48.9	54.5	1000
WF-2	HYDRONIC	8805-3/AC4-1/448	500x500x140	20	2	995	0.18	60	48.9	54.5	750

NOTES:

- REFER TO FLOOR PLANS FOR QUANTITIES OF WALL-FIN ELEMENTS.
- HEATING CAPACITIES BASED ON EXISTING AIR TEMPERATURE OF 65°F.
- REFER TO MECHANICAL DETAILS FOR WALL-FIN ARRANGEMENTS.
- WALL-FIN ELEMENTS ARE AVAILABLE IN TWO ENCLOSURE CAPACITIES (6 GAUGE) FOR 1/2" AND 3/4" WALL-FIN HEATING ELEMENTS AND DISPOSED PER PLAN. PROVIDE THE TOP, PENCIL-SHOP CORNER, AND CUSTOMIZED LENGTHS BETWEEN GABRIELS TO MAINTAIN CONTINUOUS RADIUS CORNERS PERMITTER WALL FROM COLUMN TO COLUMN. ALLOW ALL REQUIRED SPACING BETWEEN WALL-FIN ELEMENTS TO FACILITATE AIR FLOW.
- COORDINATE ENDINGS OF GABRIELS OF SITE WITH EXISTING SITE CONDITIONS – LENGTH OF GABRIELS, WHEN IT IS INSTALLED, SHALL BE NO MORE THAN HALF THE LENGTH OF GABRIEL.
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- 1/2" WALL CONTRACTOR SHALL PROVIDE IN-FLAT FLAT TO CLOSE OFF GABRIEL. IN-FLAT FLAT SHALL BE POWERED CLOSER TO MATCH RAD ENCLOSED. PROVIDE SAMPLE OF GABRIEL TO OWNER.
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- REUSE EXISTING 2" WALL CONTRACTOR SHALL PROVIDE IN-FLAT FLAT TO CLOSE OFF GABRIEL. IN-FLAT FLAT SHALL BE POWERED CLOSER TO MATCH RAD ENCLOSED. PROVIDE SAMPLE OF GABRIEL TO OWNER.
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- REUSE EXISTING 2" WALL CONTRACTOR SHALL PROVIDE IN-FLAT FLAT TO CLOSE OFF GABRI

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5	12-11-2020	ADDENDUM M-1
6	03-19-2021	ISSUED FOR CONSTRUCTION

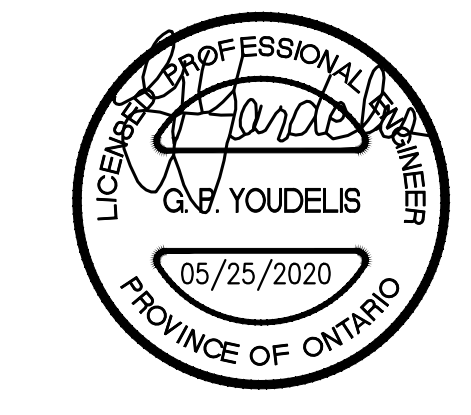
G.Bruce Stratton Architects

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facsimile: 416.351.8146

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Fax: 905 475 3132
email: engineering@gpyengineering.com
@gpyengineering.com



York Region

PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 003

BASE DATE: 03-01-2020

PROJECT:

PROJECT #9900

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: NOT TO SCALE

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

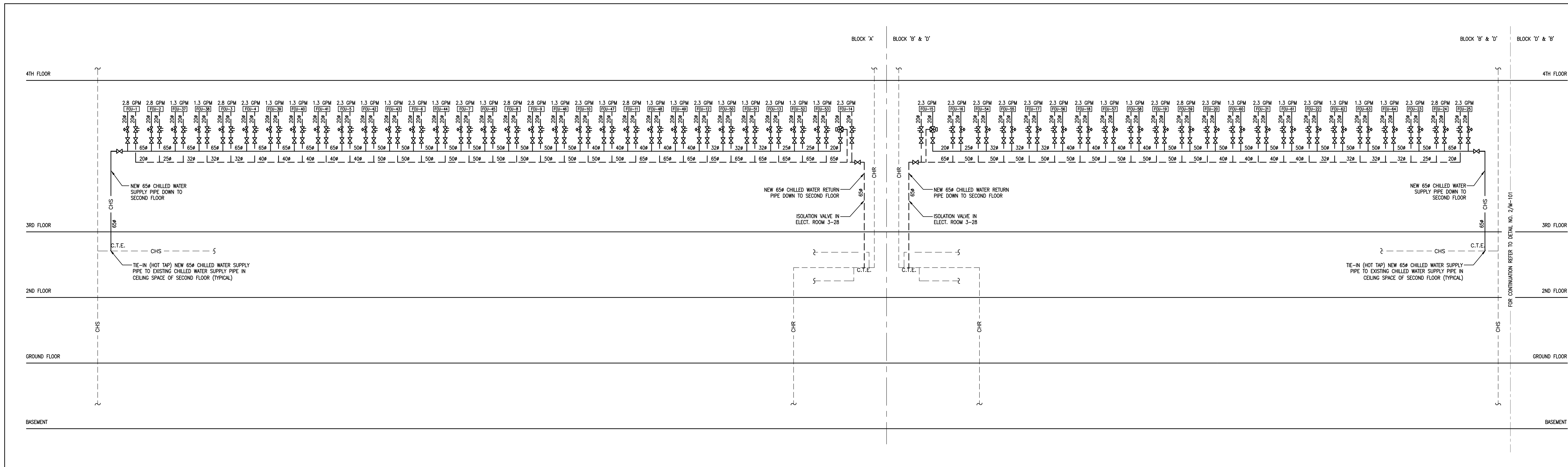
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

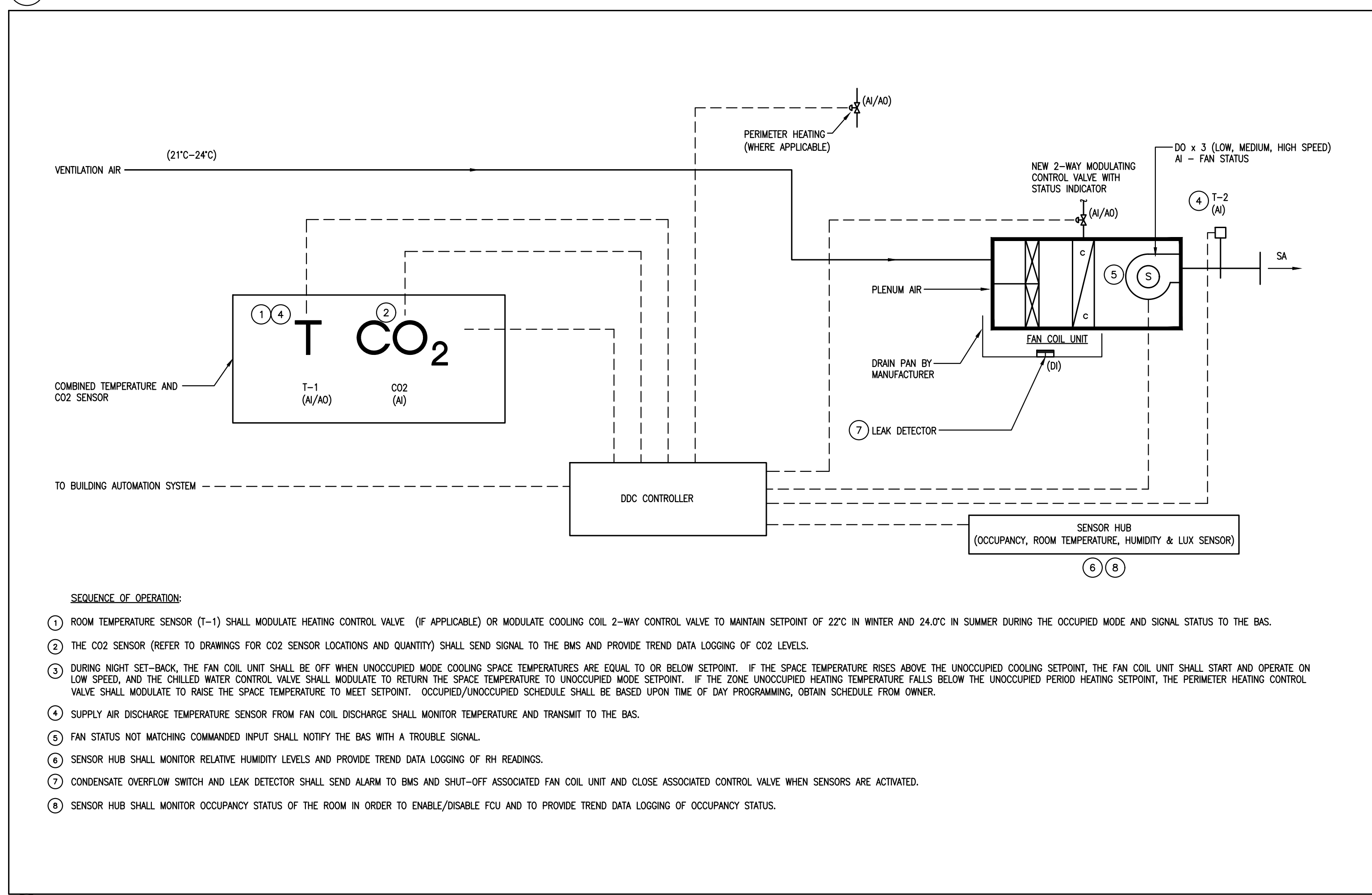
SCHEMATIC DIAGRAM

SHEET NUMBER:

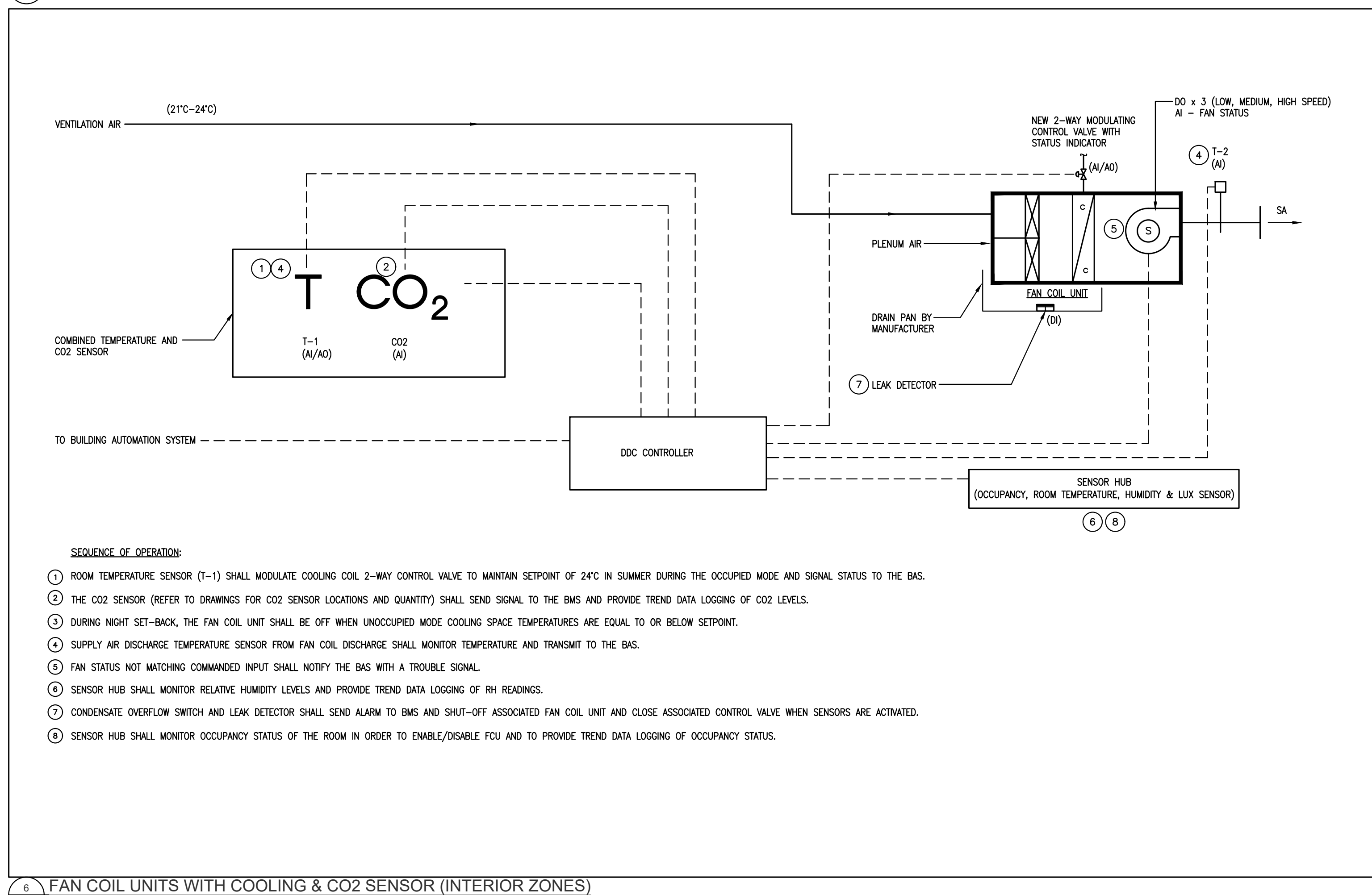
M-101



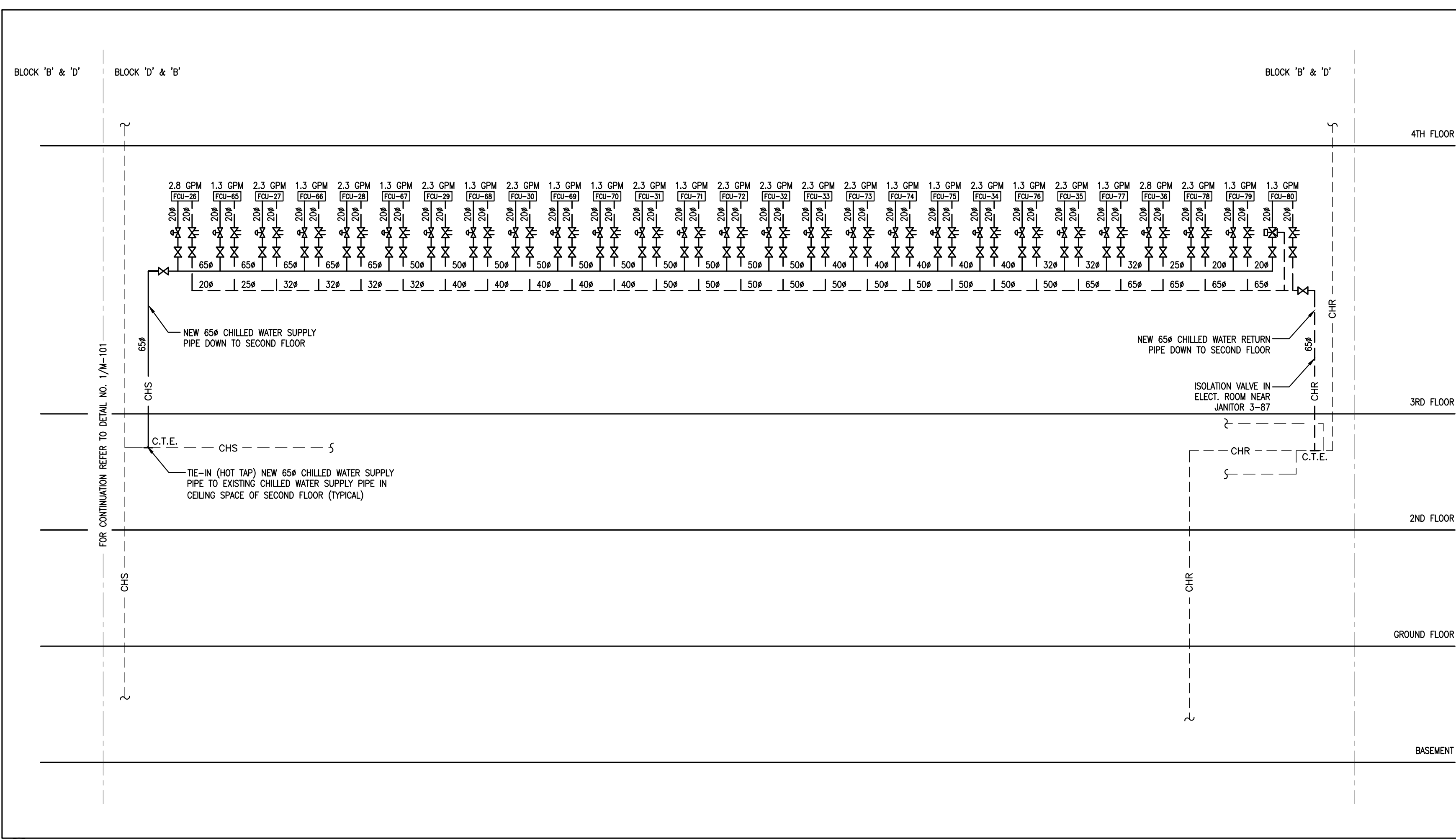
1 CHILLED WATER PIPING SCHEMATIC (3RD FLOOR)



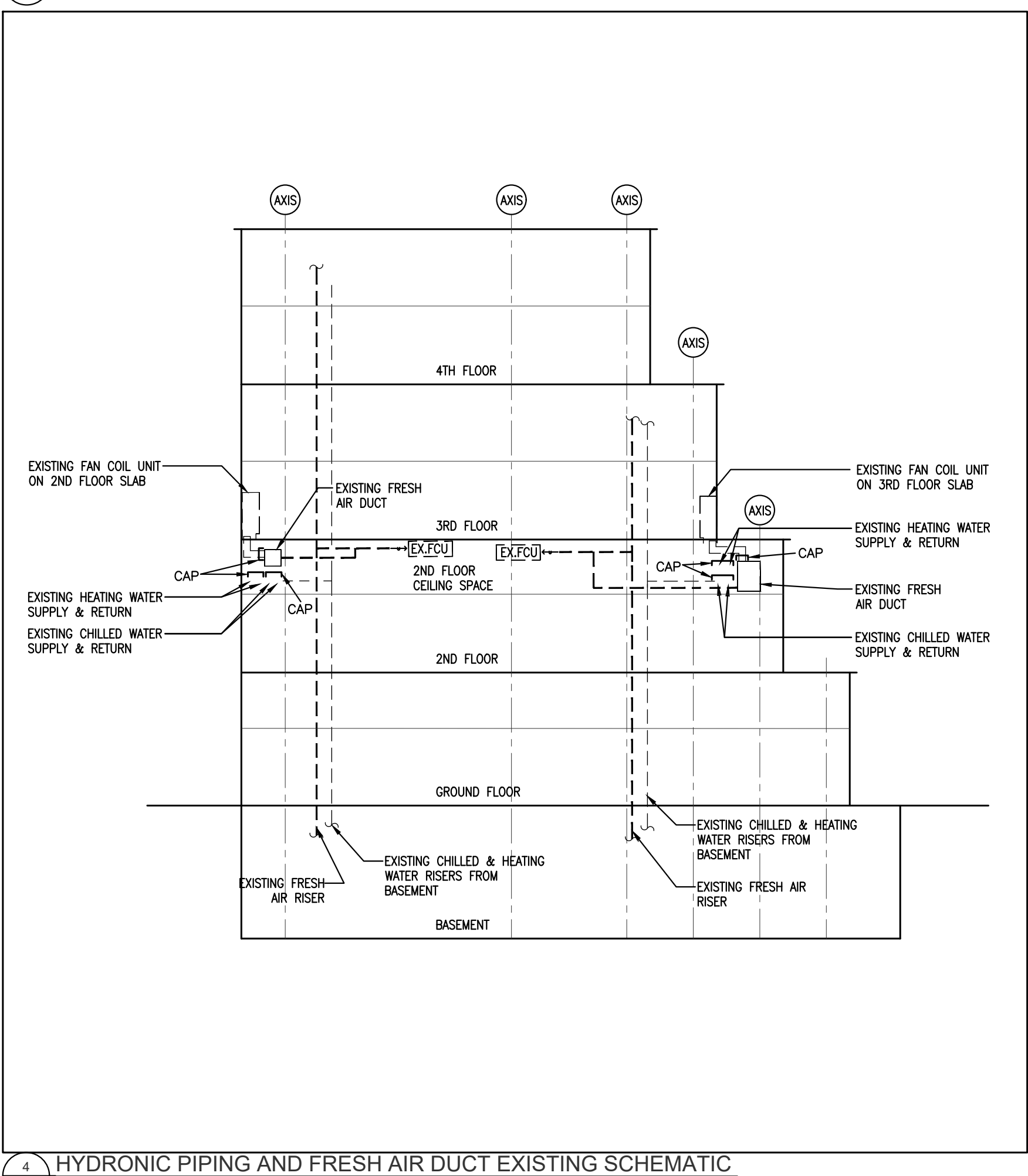
5 FAN COIL UNITS WITH COOLING, AND PERIMETER HEATING (WHERE APPLICABLE)



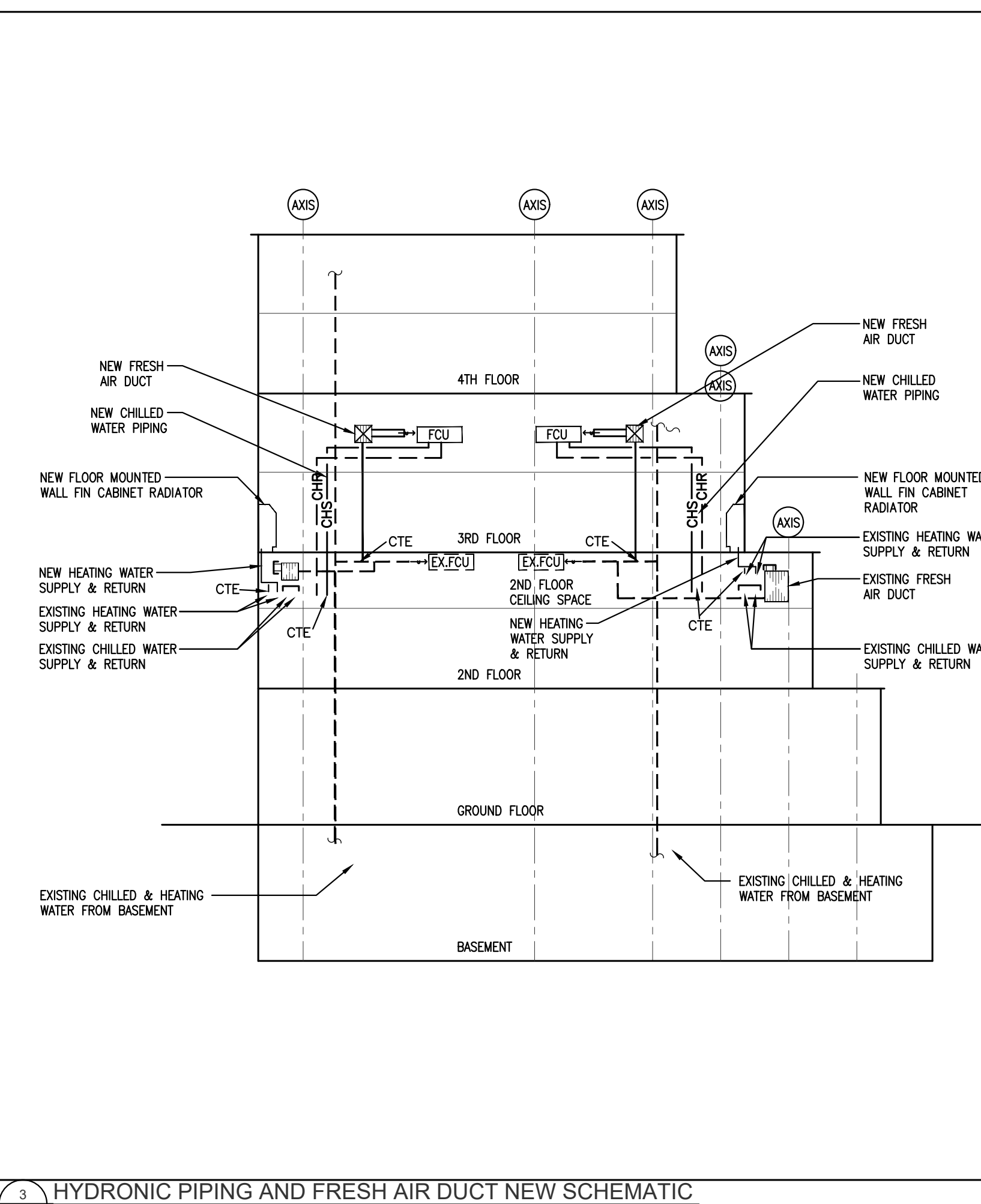
6 FAN COIL UNITS WITH COOLING & CO2 SENSOR (INTERIOR ZONES)



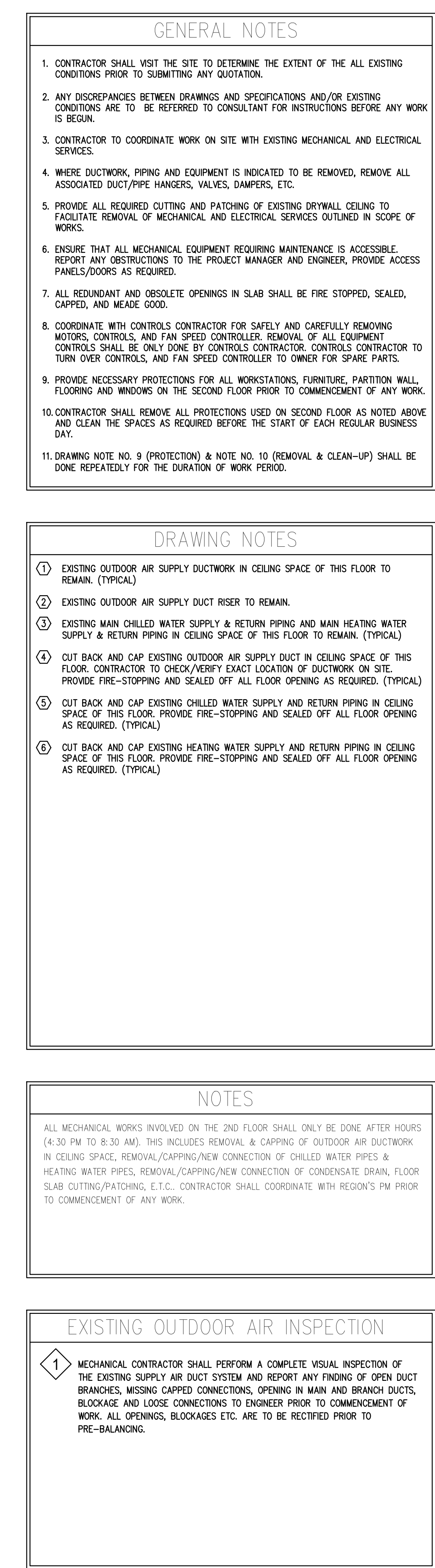
2 CHILLED WATER PIPING SCHEMATIC (3RD FLOOR)



4 HYDRONIC PIPING AND FRESH AIR DUCT EXISTING SCHEMATIC



3 HYDRONIC PIPING AND FRESH AIR DUCT NEW SCHEMATIC



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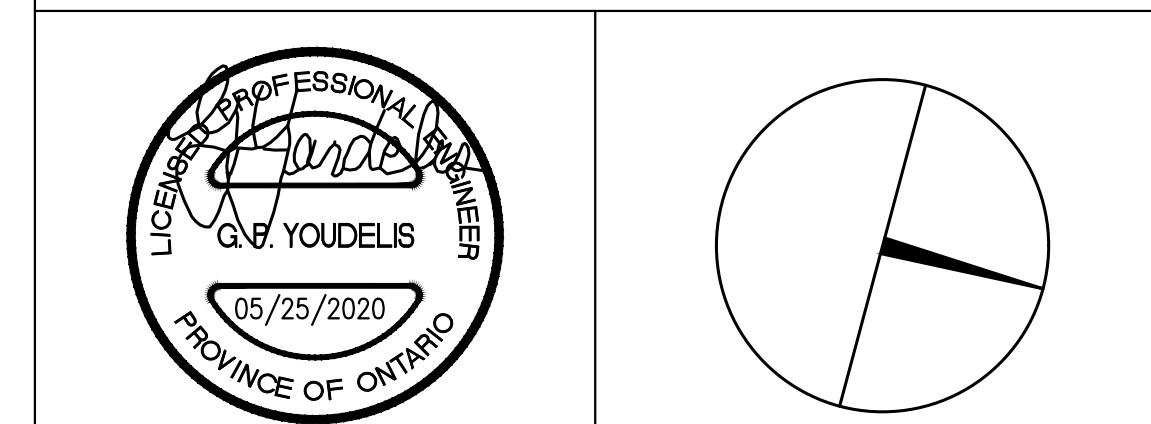
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York Region

PROPERTY SERVICES

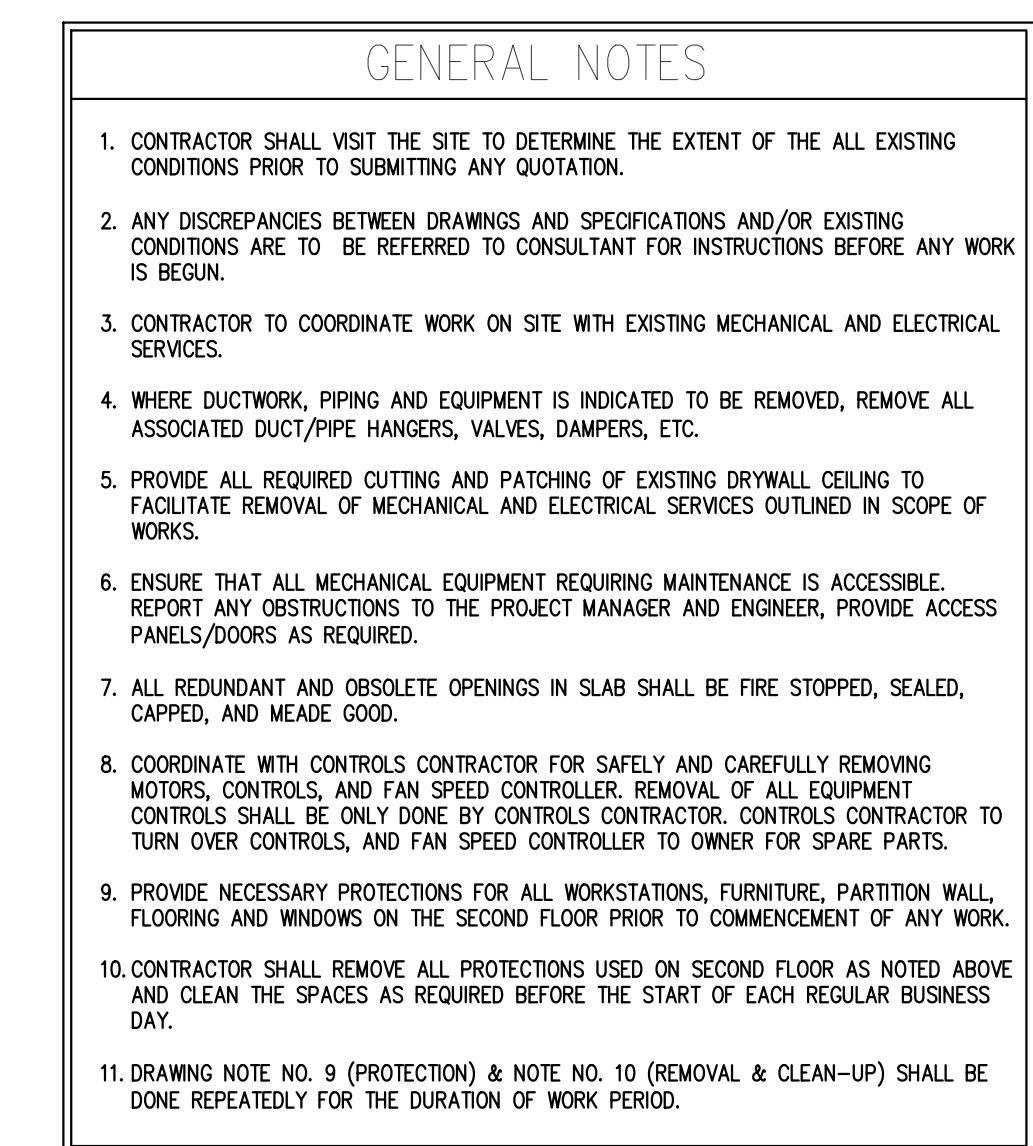
DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	003
BASE DATE:	03-01-2020
PROJECT:	

PROJECT #9900

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 2ND FLOOR CEILING SPACE AREA 'A' MECHANICAL DEMOLITION PLAN	
SHEET NUMBER:	
M-200	



- ## 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 EXPOSE/IDENTIFY 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 2ND FLOOR SHALL ONLY BE DONE AFTER HOURS (4:30 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.

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.

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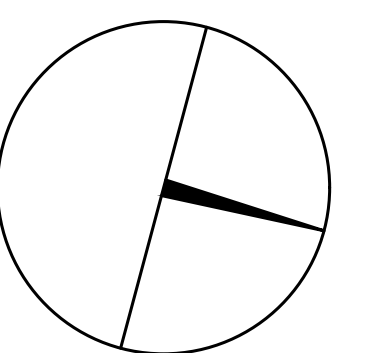
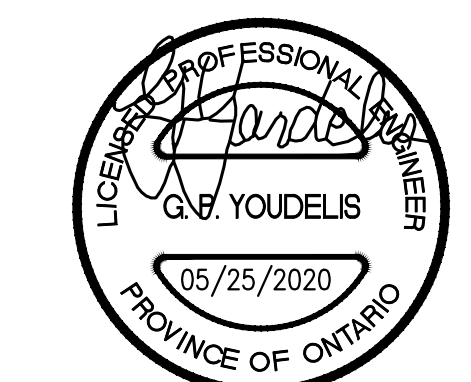
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PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR:	003
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BASE DATE:	03-01-2020
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PROJECT:

PROJECT #9900

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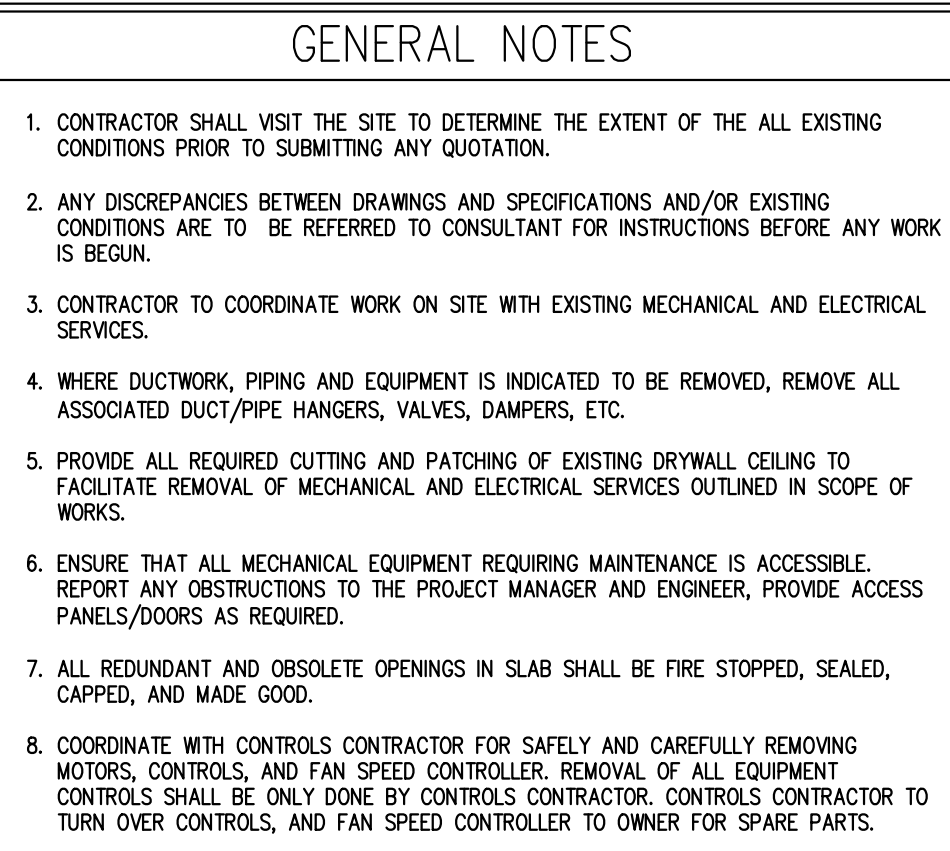
SUBMITTED TO:	MUNICIPALITY OF YORK
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SHEET TITLE:

PARTIAL 2ND FLOOR
AREA 'B'
MECHANICAL DEMOLITION
PLAN

SHEET NUMBER:

NUMBER: **M-201**



- ## DRAWING NOTES
- ① EXISTING FLOOR-MOUNTED FAN COIL UNITS TO REMAIN. TURN OVER ALL EXISTING FLOOR-MOUNTED FAN COIL UNITS TO YORK REGION. DISPOSE REST FAN COILS OR MOTORS AND TURN OVER THE DIAL SWITCH MOUNTED ON FAN COIL TO OWNER. REMOVE AND CAP OUTDOOR AIR SUPPLY DUCT BACK IN 2ND FLOOR CEILING SPACE. REMOVE BACK HEATING RADIATOR AND DISPOSE. REMOVE PIPES AND DRAILED SUPPLY/RETURN WATER PIPES BACK IN 2ND FLOOR CEILING SPACE. PROVIDE FIRE-STOPPING AND SEALED ALL FLOOR OPENING AS REQUIRED. (TYPICAL)
 - ② REMOVE EXISTING TEMPERATURE SENSOR /CG ASSOCIATED CONTROL WIRING AND TURN OVER THE TEMPERATURE SENSOR TO THE OWNER. (TYPICAL)
 - ③ REMOVE EXISTING DELTA BAC CONTROLLER IN CEILING SPACE OF THIS FLOOR. CONNECT TO EXISTING FAN COIL UNIT. REMOVE EXISTING DELTA BAC CONTROLLER WIRING AND TURN OVER DELTA BAC CONTROLLER TO OWNER. (TYPICAL)
 - ④ REMOVE EXISTING CONTRACTOR SIGNAGE AND PROTECT CONTROL WIRING SERVING OTHER FLOORS DURING DEMOLITION.
 - ⑤ EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER SUPPLY & RETURN PIPING IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
 - ⑥ EXISTING OUTDOOR AIR SUPPLY DUCT FOR 4TH FLOOR FAN COIL UNITS TO REMAIN.
 - ⑦ EXISTING DELTA BAC CONTROLLER IN CEILING SPACE OF THIS FLOOR REMAIN.
 - ⑧ EXISTING THERMOSTAT /CG CONTROL WIRING TO REMAIN.
 - ⑨ EXISTING FLOOR-MOUNTED FAN COIL UNITS TO REMAIN. (TYPICAL)

ALL MECHANICAL WORKS INVOLVED IN SECOND FLOOR SHALL BE DONE AFTER HOURS (4:30 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 COORDINATOR WITH REGION'S PM PRIOR TO ANY WORK COMMENCING.

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.

GENERAL NOTES:

1. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS, DETAILS AND SPECIFICATIONS ON SITE AND REPORT ANY DISCREPANCIES IN WRITING TO YORK REGION REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK
2. DRAWINGS ARE NOT TO BE SCALED
3. BEFORE PROCEEDING WITH THE WORK, CONTRACTOR MUST SUBMIT ALL NECESSARY SAMPLES AND SHOP DRAWINGS TO YORK REGION REPRESENTATIVE FOR APPROVAL
4. ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF YORK REGION. AS SUCH, THEY ARE NOT INTENDED FOR USE ON OTHER PROJECTS OR EXTENSIONS OF THE PROJECT SPECIFIED

SUBMISSION	DATE	DESCRIPTION
1	03-20-2020	ISSUED FOR 60% REVIEW
2	05-18-2020	ISSUED FOR 90% REVIEW
3	05-25-2020	ISSUED FOR PERMIT & TENDER
4	11-05-2020	ISSUED FOR TENDER
5	12-11-2020	ADDENDUM M-1
6	03-19-2021	ISSUED FOR CONSTRUCTION

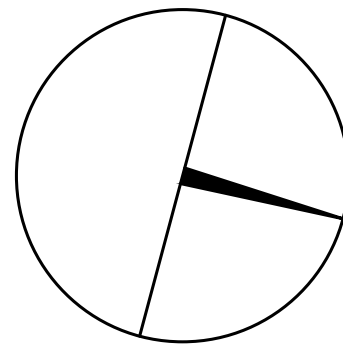
G. Bruce Stratton Architects

217 Richmond Street West, Suite 300
Toronto Ontario M5V 1W2
telephone: 416.351.8145
facsimile: 416.351.8146

GPY +
Associates Engineering Inc.

90C Centurian Drive
Unit 6
Markham, Ontario
L3R 8C5

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



York Region

PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	003
BASE DATE:	03-01-2020
PROJECT:	

PROJECT #9900

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

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

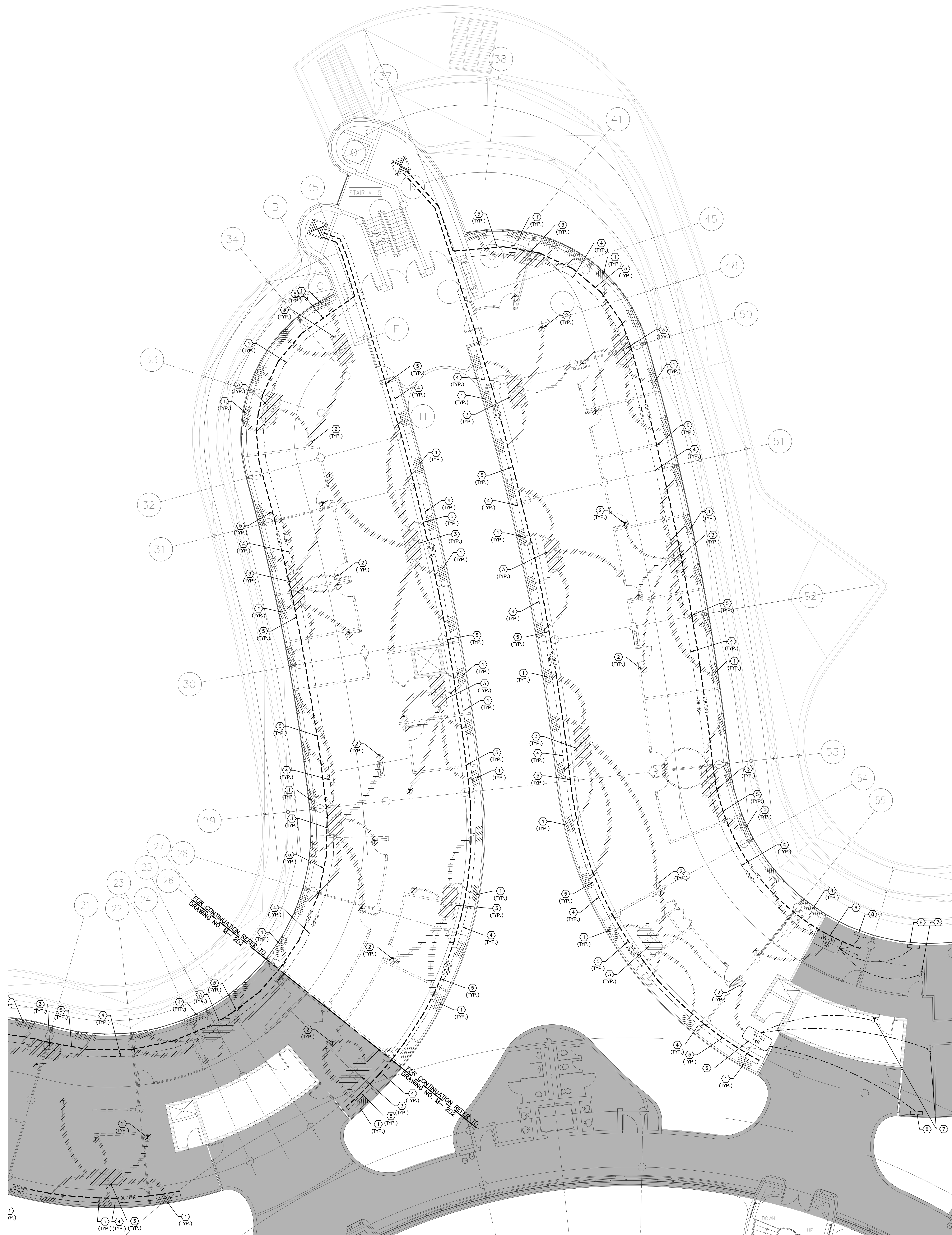
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 3RD FLOOR
AREA 'A'
HVAC DEMOLITION PLAN

SHEET NUMBER:

M-202



- 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 HANDERS, 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. COORDINATE WITH CONTROLS CONTRACTOR FOR SAFETY AND CAREFULLY REMOVING MOTORS, CONTROLS, AND FAN SPEED CONTROLLER. REMOVAL OF ALL EQUIPMENT CONTROLS SHALL BE ONLY DONE BY CONTROLS CONTRACTOR. CONTROLS CONTRACTOR TO TURN OVER CONTROLS, AND FAN SPEED CONTROLLER TO OWNER FOR SPARE PARTS.

- DRAWING NOTES**
1. EXISTING FLOOR-MOUNTED FAN COIL UNIT TO BE REMOVED. TURN OVER ALL EXISTING FLOOR-MOUNTED FAN COIL UNITS TO YORK REGION. DISPOSE REST FAN COIL MOTORS AND TURN OVER THE DIAL SWITCH MOUNTED ON FAN COIL UNIT TO OWNER. REMOVE AND CAP OUTDOOR AIR SUPPLY DUCT BACK IN 2ND FLOOR CEILING SPACE. REMOVE AND CAP BACK HEATING SUPPLY/RETURN WATER PIPES AND CHILLED SUPPLY/RETURN WATER PIPES BACK TO 2ND FLOOR CEILING SPACE. PROVIDE FIRE-STOPPING AND SEALED ALL FLOOR OPENING AS REQUIRED. (TYPICAL)
 2. REMOVE EXISTING TEMPERATURE SENSOR C/W ASSOCIATED CONTROL WIRING AND TURN OVER THE TEMPERATURE SENSOR TO THE OWNER. (TYPICAL)
 3. REMOVE EXISTING DELTA BAS CONTROLLER IN CEILING SPACE OF THIS FLOOR. CONNECTED TO EXISTING FAN COIL UNITS. REMOVE ALL ASSOCIATED CONTROL WIRING AND TURN OVER DELTA BAS CONTROLLER TO OWNER. (TYPICAL). MECHANICAL CONTRACTOR IDENTIFY AND PROTECT CONTROL WIRING SERVING OTHER FLOORS DURING DEMOLITION.
 4. EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER SUPPLY & RETURN PIPING IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
 5. EXISTING OUTDOOR AIR SUPPLY DUCT FOR 4TH FLOOR FAN COIL UNITS TO REMAIN.
 6. EXISTING DELTA BAS CONTROLLER IN CEILING SPACE OF THIS FLOOR REMAIN.
 7. EXISTING THERMOSTAT C/W CONTROL WIRING TO REMAIN.
 8. EXISTING FLOOR-MOUNTED FAN COIL UNITS TO REMAIN. (TYPICAL)

NOTES

ALL MECHANICAL WORKS INVOLVED IN SECOND FLOOR SHALL BE DONE AFTER HOURS (4:30 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 COORDINATOR WITH REGION'S PM PRIOR TO ANY WORK COMMENCING.

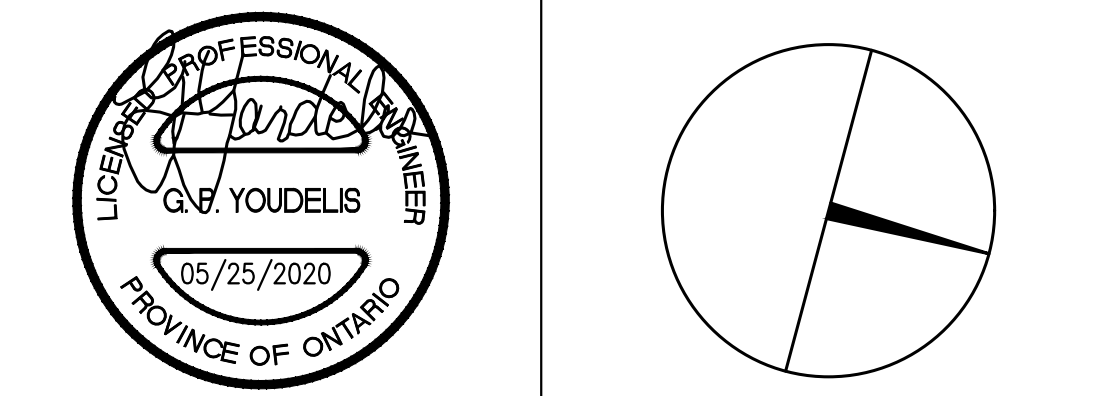
- EXISTING OUTDOOR AIR INSPECTION**
1. MECHANICAL CONTRACTOR SHALL PERFORM A COMPLETE VISUAL INSPECTION OF THE EXISTING SUPPLY AIR DUCT SYSTEM AND REPORT ANY FINDING OF OPEN DUCT BRANCHES, MISSING CAPPED CONNECTORS, OPENING IN MAIN AND BRANCH DUCTS, BLOCKAGE AND LOOSE CONNECTIONS TO ENGINEER PRIOR TO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

- GENERAL NOTES:**
1. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS, DETAILS AND SPECIFICATIONS ON SITE AND REPORT ANY DISCREPANCIES IN WRITING TO YORK REGION REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK
 2. DRAWINGS ARE NOT TO BE SCALED
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 4. ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF YORK REGION. AS SUCH, THEY ARE NOT INTENDED FOR USE ON OTHER PROJECTS OR EXTENSIONS OF THE PROJECT SPECIFIED

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Tel: 905 475 3138
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email: engineering@gpyengineering.com



York Region
PROPERTY SERVICES

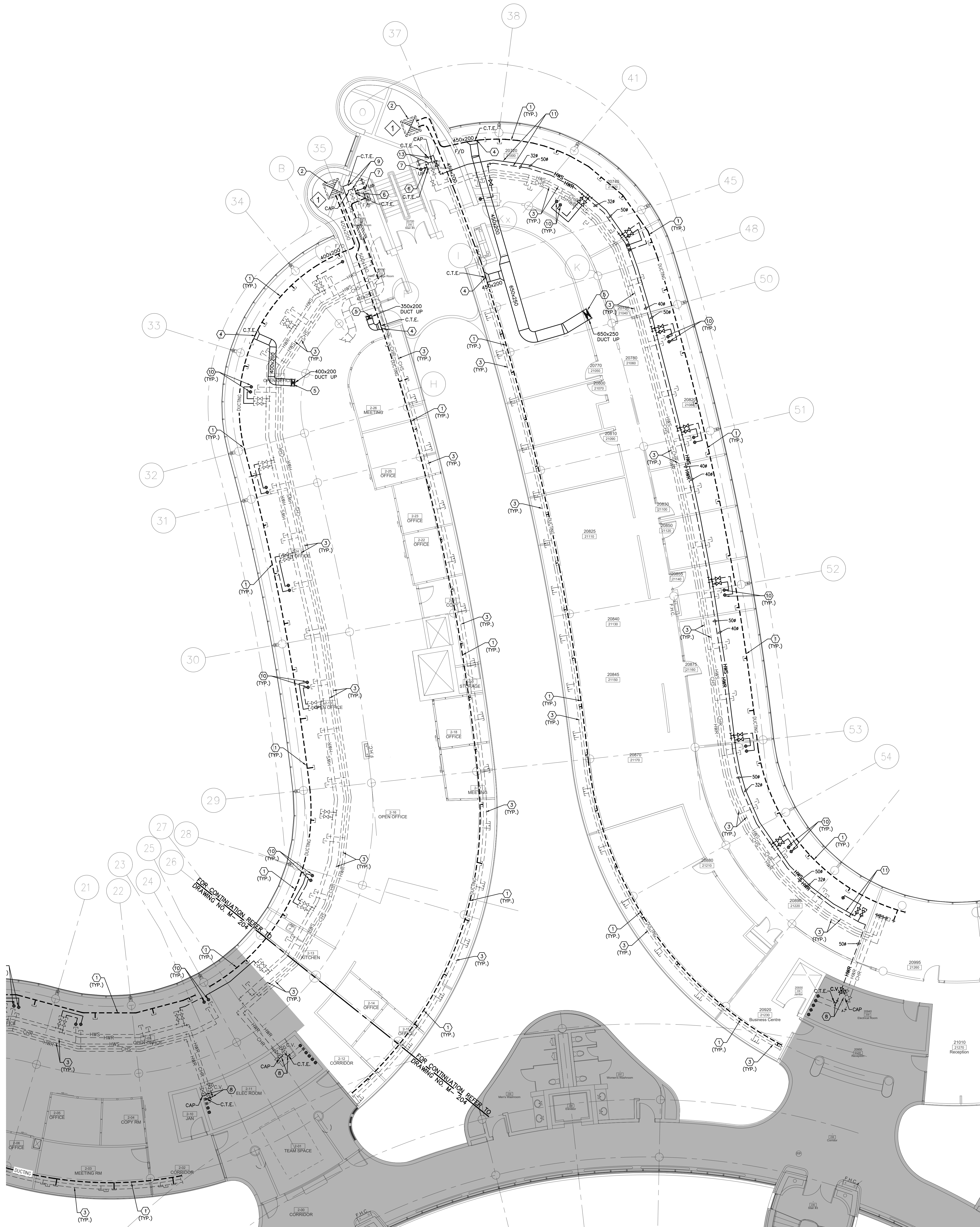
DEPARTMENT: BUILDING & FACILITIES
FLOOR: 003
BASE DATE: 03-01-2020
PROJECT:

PROJECT #9900
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'
HVAC DEMOLITION PLAN**

SHEET NUMBER:
M-203



- 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 REDUNDANT OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CARPED, AND MADE GOOD.
 8. COORDINATE WITH CONTROLS CONTRACTOR FOR SAFETY AND CAREFULLY REMOVING MOTORS, CONTROLS, AND FAN SPEED CONTROLLER. REMOVAL OF ALL EQUIPMENT CONTROLS SHALL BE ONLY DONE BY CONTROLS CONTRACTOR. CONTROLS CONTRACTOR TO TURN OVER CONTROLS, AND FAN SPEED CONTROLLER TO OWNER FOR SPARE PARTS.
 9. PROVIDE NECESSARY PROTECTIONS FOR ALL WORKSTATIONS, FURNITURE, PARTITION WALL, FLOORING AND WINDOWS ON THE SECOND FLOOR PRIOR TO COMMENCEMENT OF ANY WORK.
 10. CONTRACTOR SHALL REMOVE ALL PROTECTIONS USED ON SECOND 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 3RD 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 FLOOR AND MAKE GOOD INSULATION.
 7. RUN NEW CHILLED WATER SUPPLY PIPE UP TO 3RD FLOOR. FOR CONTINUATION REFER TO DRAWING NO. M-206 & M-207.
 8. DISCONNECT AND CAP EXISTING HOT WATER RETURN PIPING. CONNECT EXISTING VALUED HOT WATER RETURN 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 204 HEATING WATER SUPPLY/RETURN PIPE AND CONNECT TO EXISTING SERVICES. EXISTING NEW HEATING WATER SUPPLY/RETURN PIPE UP TO 3RD FLOOR AND CONNECT TO NEW FLOOR MOUNTED WALL FAN HEATER. RE-USE EXISTING FLOOR SLAB OPENINGS. PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/DRILLING/FIRE-STOPPING AS REQUIRED. (TYPICAL)
 11. PROVIDE NEW 204 BY-PASS LINE BETWEEN HEATING SUPPLY AND RETURN PIPE C/W CO. 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 BLACK STEEL. METALLIC 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/HW PIPING AND CONNECT TO NEW HW/HW 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 2ND FLOOR SHALL ONLY BE DONE AFTER HOURS (4:30 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 REGIONS PM PRIOR TO COMMENCEMENT OF ANY WORK.

FINAL AIR BALANCING NOTE

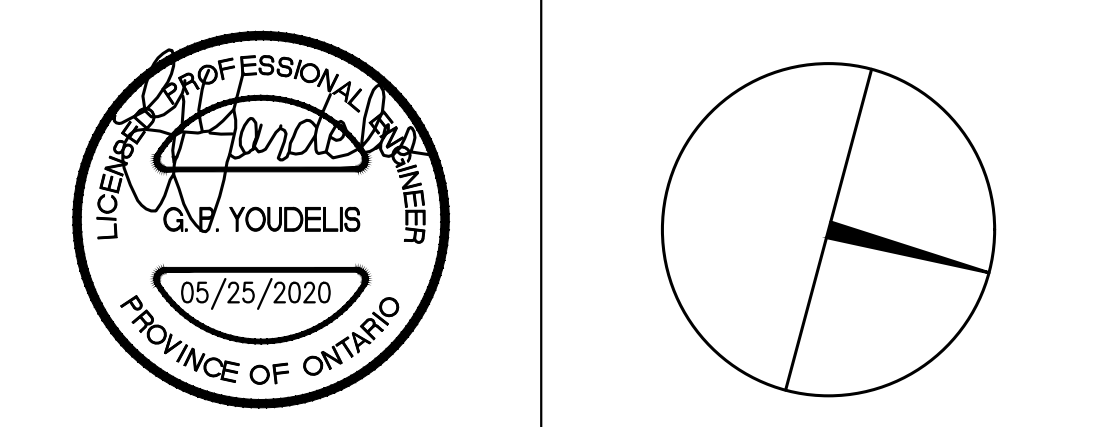
PROVIDE FINAL AIR BALANCING AFTER COMPLETION OF MECHANICAL WORK, INCLUDING ALL EXISTING AND NEW OUTDOOR SUPPLY AIR BRANCH DUCTS SUPPLIED TO GROUND FLOOR, 2ND FLOOR, 3RD FLOOR, 4TH FLOOR AND 5TH FLOOR. SUBMIT THREE (3) COPIES OF THE AIR BALANCE REPORT TO THE CONSULTANT FOR REVIEW.

- GENERAL NOTES:**
1. CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS, DETAILS AND SPECIFICATIONS ON SITE AND REPORT ANY DISCREPANCIES IN WRITING TO YORK REGION REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
 2. DRAWINGS ARE NOT TO BE SCALED.
 3. BEFORE PROCEEDING WITH THE WORK, CONTRACTOR MUST SUBMIT ALL NECESSARY SAMPLES AND SHOP DRAWINGS TO YORK REGION REPRESENTATIVE FOR APPROVAL.
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5	12-11-2020	ADDENDUM M-1
6	03-19-2021	ISSUED FOR CONSTRUCTION

G. Bruce Stratton Architects
217 Richmond Street West, Suite 300
Toronto Ontario M5V 1W2
telephone: 416.351.8145
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GPY + Associates Engineering Inc.
90C Centurian Drive Unit 6
Markham, Ontario L3R 8C5
Tel: 905.475.3138
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PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	003
BASE DATE:	03-01-2020
PROJECT:	

PROJECT #9900
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 2ND FLOOR
AREA 'B'
MECHANICAL NEW LAYOUT**

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 HANDERS, 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 ISOLATE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
8. COORDINATE WITH CONTROLS CONTRACTOR FOR SAFETY AND CAREFULLY REMOVING MOTORS, CONTROLS, AND FAN SPEED CONTROLLER. REMOVAL OF ALL EQUIPMENT CONTROLS SHALL BE ONLY DONE BY CONTROLS CONTRACTOR. CONTROLS CONTRACTOR TO TURN OVER CONTROLS, AND FAN SPEED CONTROLLER TO OWNER FOR SPARE PARTS.
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 SECOND FLOOR C/W FIRE DAMPER.
2. NEW RETURN AIR TRANSFER DUCT SIZE AS INDICATED. REFER TO DETAIL NO. 14/A-102 FOR DETAILS. (TYPICAL)
3. PROVIDE NEW FAN COIL UNIT IN CEILING SPACE C/W ASSOCIATED CONTROLS, HANDS, SUPPORTS, ISOLATORS AND SUPPLY/RETURN AIR DUCTWORK. REFER TO DRAWING NO. M-100, M-101 & M-102 FOR SPECIFICATIONS & DETAILS. INSTALL UNIT TIGHT TO CEILING SLAB AS HIGH AS POSSIBLE. (TYPICAL)
4. NEW OUTDOOR AIR SUPPLY DUCT CONNECT TO NEW FAN COIL UNIT RETURN AIR DUCT. BALANCE TO AIR QUANTITIES AS INDICATED. (TYPICAL)
5. EXISTING OUTDOOR AIR SUPPLY DUCT FOR 4TH FLOOR FAN COIL UNITS TO REMAIN.
6. EXISTING OUTDOOR AIR SUPPLY DUCT FOR 4TH FLOOR FAN COIL UNITS TO REMAIN.
7. PROVIDE NEW FAN POWERED BOX IN CEILING SPACE C/W ASSOCIATED CONTROLS, HANDS, SUPPORTS, ISOLATORS AND DUCTWORK. REFER TO DRAWING NO. M-100 & M-102 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.
12. EXISTING FLOOR-MOUNTED FAN COIL UNITS TO REMAIN. (TYPICAL)

NOTES

ALL MECHANICAL WORKS INVOLVED IN SECOND FLOOR SHALL BE DONE AFTER HOURS (4:30 PM TO 8:30 AM). INCLUDE REMOVING/CAPPING CEILING SPACE OUTDOOR AIR DUCTWORK, CHILLED WATER PIPING/HEATING WATER PIPES REMOVING/CAPPING/NEW CONNECTING, FLOOR CUTTING/PATCHING, CONDENSATE DRAIN 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 LOCATED UPSTREAM OF RETURN AIR DUCT PLenum. OUTDOOR AIR SUPPLY DUCT SHALL BE INSTALLED DOWNSTREAM OF RETURN AIR DUCT PLenum. REFER TO DETAIL NO. 14/A-102.
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: 18"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 18"x10.5"x1"

GENERAL NOTES:

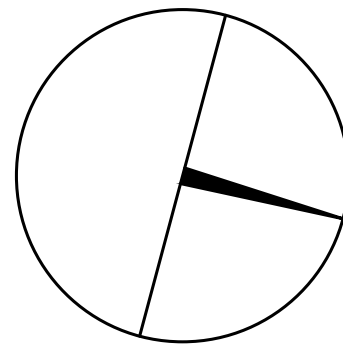
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PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES
FLOOR: 003
BASE DATE: 03-01-2020
PROJECT:

PROJECT #9900

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

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

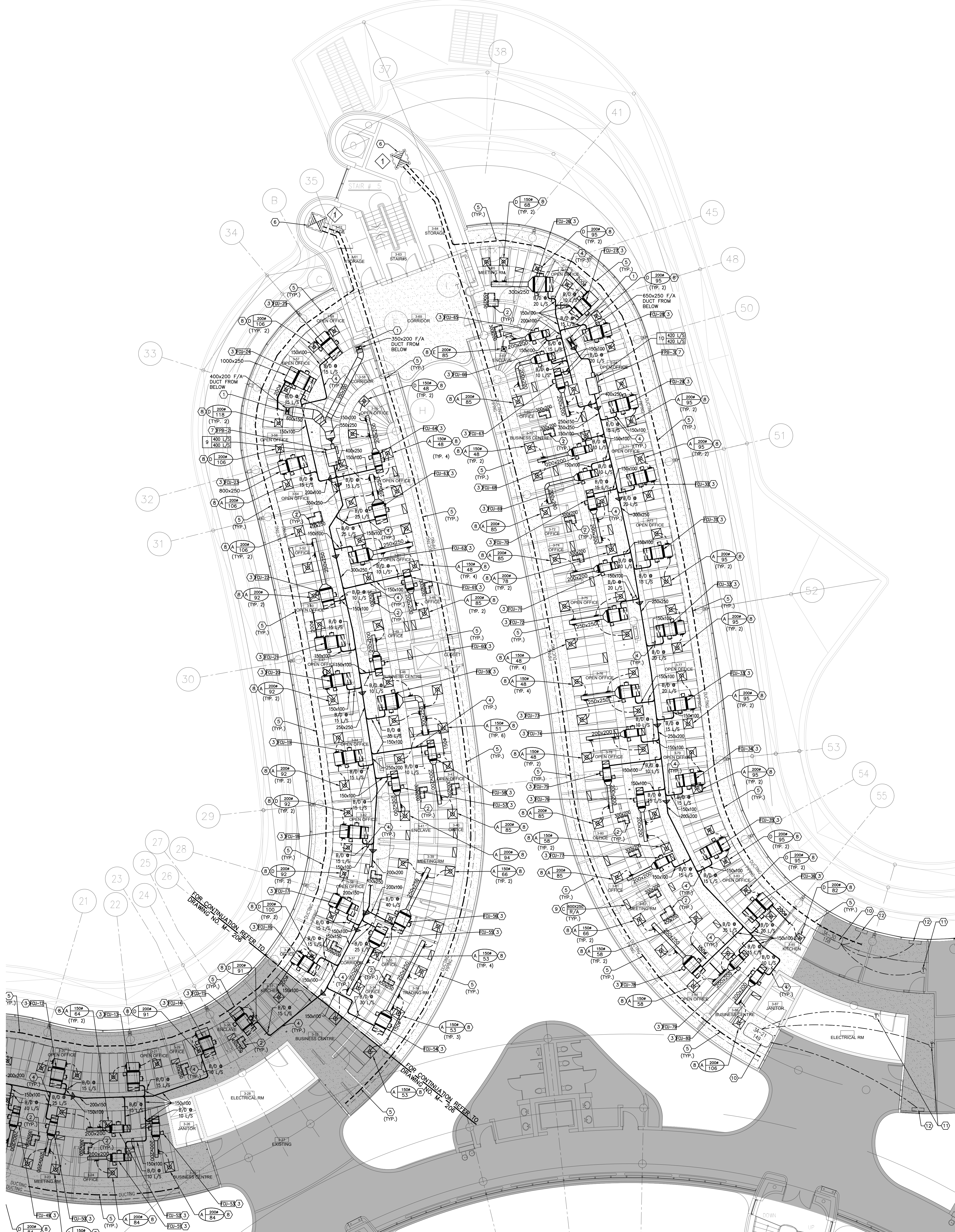
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 3RD FLOOR
AREA 'A'
HVAC 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 REDUNDANT OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
8. COORDINATE WITH CONTROLS CONTRACTOR FOR SAFETY AND CAREFULLY REMOVING MOTORS, CONTROLS, AND FAN SPEED CONTROLLER. REMOVAL OF ALL EQUIPMENT CONTROLS SHALL BE ONLY DONE BY CONTROLS CONTRACTOR. CONTROLS CONTRACTOR TO TURN OVER CONTROLS, AND FAN SPEED CONTROLLER TO OWNER FOR SPARE PARTS.
9. INSTALLATION HEIGHT OF TEMPERATURE SENSORS SHALL BE 4'-0\"/>

DRAWING NOTES

1. NEW OUTDOOR AIR SUPPLY DUCT FROM SECOND FLOOR C/W FIRE DAMPER.
2. NEW RETURN AIR TRANSFER DUCT. SIZE AS INDICATED. REFER TO DETAIL NO. 14/A-M-102 FOR DETAILS. (TYPICAL)
3. PROVIDE NEW FAN COIL UNIT IN CEILING SPACE C/W ASSOCIATED CONTROLS, HANGERS, SUPPORTS, ISOLATES AND SUPPLY/RETURN AIR DUCTWORK. REFER TO DRAWING NO. M-100, M-101 & M-102 FOR SPECIFICATIONS & DETAILS. INSTALL UNIT TIGHT TO CEILING SLAB AS HIGH AS POSSIBLE. (TYPICAL)
4. NEW OUTDOOR AIR SUPPLY DUCT CONNECT TO NEW FAN COIL UNIT RETURN AIR DUCT. BALANCE TO AIR QUANTITIES AS INDICATED. (TYPICAL)
5. EXISTING OUTDOOR AIR SUPPLY DUCT FOR 4TH FLOOR FAN COIL UNITS TO REMAIN.
6. EXISTING OUTDOOR AIR SUPPLY RISER IN MECHANICAL ROOM TO REMAIN.
7. PROVIDE NEW FAN POWERED BOX IN CEILING SPACE C/W ASSOCIATED CONTROLS, HANGERS, SUPPORTS, ISOLATES AND DUCTWORK. REFER TO DRAWING NO. M-100 & M-102 FOR SPECIFICATIONS & DETAILS.
8. PROVIDE NEW SQUARE CONE DIFFUSER AND BALANCE TO AIR QUANTITY AS INDICATED. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS & DETAILS.
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.
12. EXISTING FLOOR-MOUNTED FAN COIL UNITS TO REMAIN. (TYPICAL)

NOTES

ALL MECHANICAL WORKS INVOLVED IN SECOND FLOOR SHALL BE DONE AFTER HOURS (4:30 PM TO 8:30 AM). INCLUDE REMOVING/CAPPING CEILING SPACE OUTDOOR AIR DUCTWORK, CHILLED WATER PIPING/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 & 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 LOCATED UPSTREAM OF RETURN AIR DUCT PLenum. OUTDOOR AIR SUPPLY DUCT SHALL BE INSTALLED DOWNSTREAM OF RETURN AIR DUCT PLenum. REFER TO DETAIL NO. 14/A-M-102.
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: 18"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 18"x10.5"x1"

GENERAL NOTES:

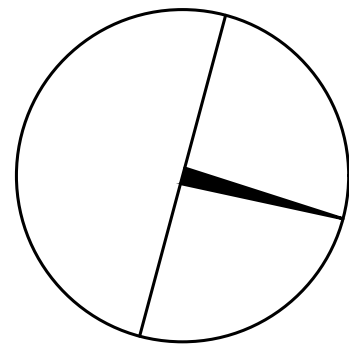
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2. DRAWINGS ARE NOT TO BE SCALED
3. BEFORE PROCEEDING WITH THE WORK, CONTRACTOR MUST SUBMIT ALL NECESSARY SAMPLES AND SHOP DRAWINGS TO YORK REGION REPRESENTATIVE FOR APPROVAL
4. ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF YORK REGION. AS SUCH, THEY ARE NOT INTENDED FOR USE ON OTHER PROJECTS OR EXTENSIONS OF THE PROJECT SPECIFIED

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2	05-18-2020	ISSUED FOR 90% REVIEW
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4	11-05-2020	ISSUED FOR TENDER
5	12-11-2020	ADDENDUM M-1
6	03-19-2021	ISSUED FOR CONSTRUCTION

G. Bruce Stratton Architects

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Associates Engineering Inc.
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Unit 6
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L3R 8C5
Tel: 905.475.3138
Fax: 905.475.3132
email: engineering@gpyengineering.com



PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES
FLOOR: 003
BASE DATE: 03-01-2020
PROJECT:

PROJECT #9900

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

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

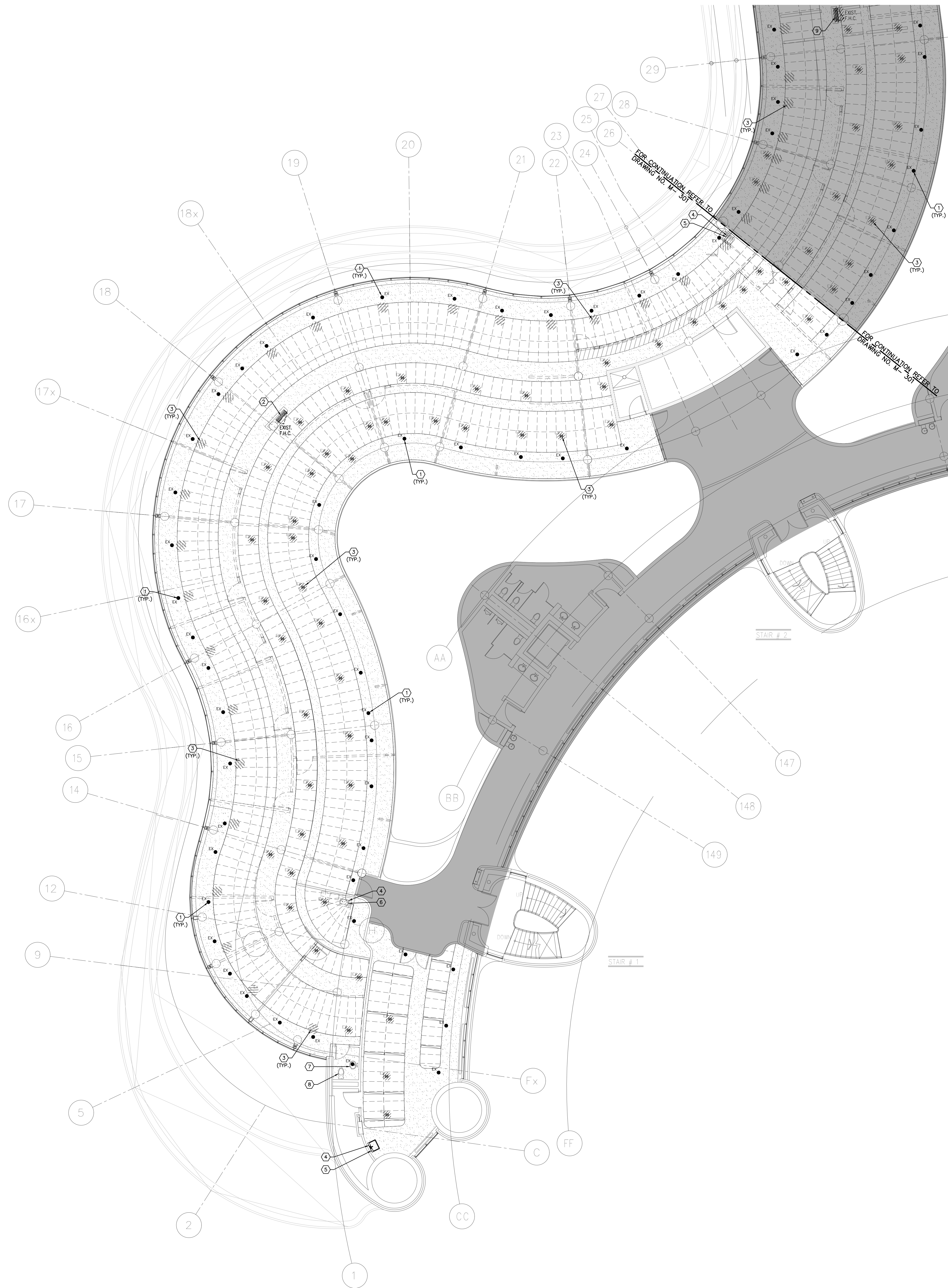
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 3RD FLOOR
AREA 'B'
HVAC NEW LAYOUT

SHEET NUMBER:

M-207



- GENERAL NOTES**
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 - 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.
 - 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.
 - 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.
 - ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
 - MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
 - ALL SPRINKLER WORK SHALL BE DONE AS PER NFPA 13.

- DRAWING NOTES**
- EXISTING SPRINKLER HEAD TO REMAIN. (TYPICAL)
 - EXISTING FIRE HOSE CABINET C/W 22 METER LONG FIRE HOSE TO REMAIN. (TYPICAL)
 - EXISTING SPRINKLER HEAD TO BE REMOVED. CAP ASSOCIATED SPRINKLER PIPE AS REQUIRED. (TYPICAL)
 - REMOVE EXISTING SINK C/W ASSOCIATED FAUCET.
 - PLUMBING & SANITARY DRAIN PIPING TO REMAIN AND MODIFY TO SUIT INSTALLATION OF NEW SINK. (TYPICAL)
 - PLUMBING LINES & SANITARY VENT PIPING TO BE REMOVED, CUT BACK AND CAP IN CEILING SPACE. SANITARY DRAIN PIPING TO BE REMOVED AND CAP ON FLOOR BELOW.
 - EXISTING LAVATORY C/W ASSOCIATED FAUCET AND P-TRAP TO BE REMOVED. EXISTING PLUMBING & SANITARY DRAINAGE PIPING TO REMAIN FOR INSTALLATION OF NEW PLUMBING FIXTURE.
 - EXISTING WATER CLOSET C/W FLUSH VALVE, CARRIER & FLOOR FLANGE TO BE REMOVED. EXISTING PLUMBING & SANITARY DRAINAGE PIPING TO REMAIN FOR INSTALLATION OF NEW PLUMBING FIXTURE.
 - EXISTING FIRE HOSE CABINET TO BE REMOVED AND BE ROTATED. (TYPICAL)

NOTES

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5	12-11-2020	ADDENDUM M-1
6	03-19-2021	ISSUED FOR CONSTRUCTION

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telephone: 416.351.8145
facsimile: 416.351.8146

GPY + Associates Engineering Inc.
90C Centurian Drive Unit 6 Markham, Ontario L3R 8C5
Tel: 905 475 3138 Fax: 905 475 3132 email: engineering@gpyengineering.com



PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	003
BASE DATE:	03-01-2020
PROJECT:	

PROJECT #9900

YORK REGION
Administrative Centre
17250 Yonge Street
Newmarket, Ontario

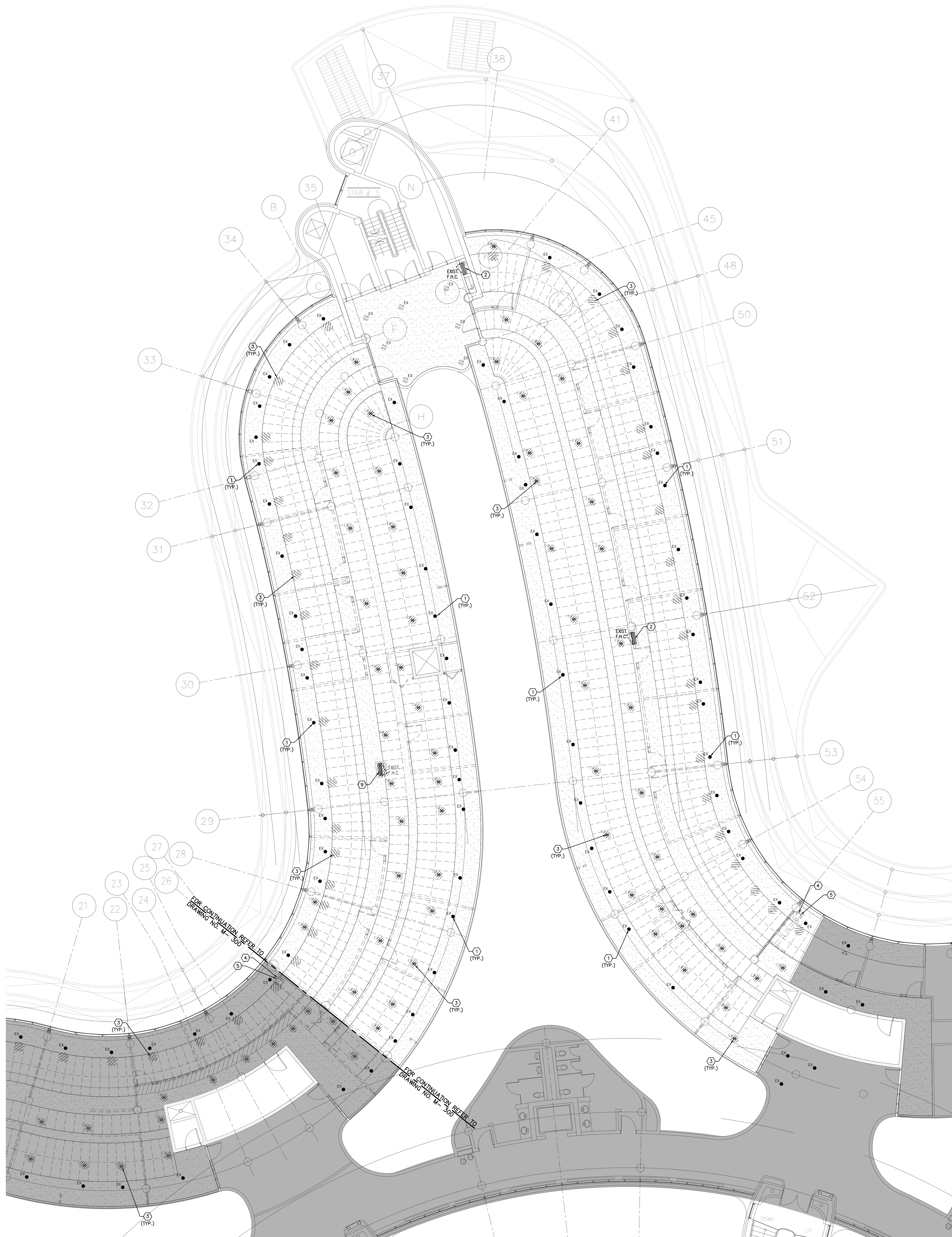
SCALE: 1:100m

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

SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:
**PARTIAL 3RD FLOOR
AREA 'A'
PLUMBING & FIRE PROTECTION
DEMOLITION PLAN**

SHEET NUMBER:
M-300



- ### GENERAL NOTES
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 - 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.
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 - EXISTING FIRE HOSE CABINET C/W 22 METER LONG FIRE HOSE TO REMAIN. (TYPICAL)
 - EXISTING SPRINKLER HEAD TO BE REMOVED. CAP ASSOCIATED SPRINKLER PIPE AS REQUIRED. (TYPICAL)
 - REMOVE EXISTING SINK C/W ASSOCIATED FAUCET.
 - PLUMBING & SANITARY DRAIN PIPING TO REMAIN AND MODIFY TO SUIT INSTALLATION OF NEW SINK. (TYPICAL)
 - PLUMBING LINES & SANITARY VENT PIPING TO BE REMOVED, CUT BACK AND CAP IN CEILING SPACE. SANITARY DRAIN PIPING TO BE REMOVED AND CAP ON FLOOR BELOW.
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 - EXISTING FIRE HOSE CABINET TO BE REMOVED AND BE ROTATED. (TYPICAL)

NOTES

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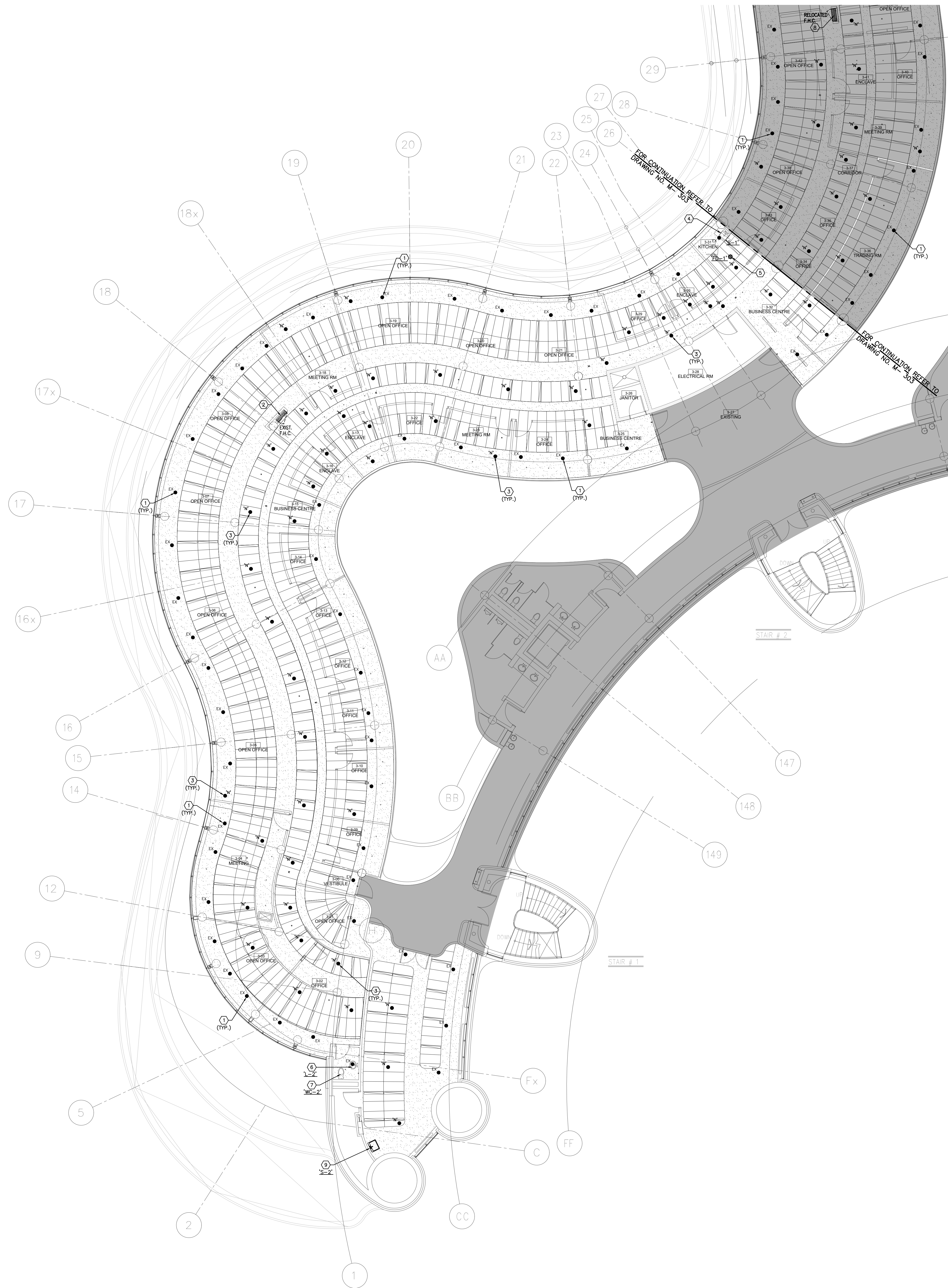
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Fax: 905.475.3132
email: engineering@gpyengineering.com

PROFESSIONAL ENGINEER
G.B. YODELIS
06/25/2020
PROVINCE OF ONTARIO

York Region

PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	003
BASE DATE:	03-01-2020
PROJECT:	<p>PROJECT #9900</p> <p>YORK REGION</p> <p>Administrative Centre 17250 Yonge Street Newmarket, Ontario</p>
SCALE:	1:100m
DRAWN BY:	S.P.R./G.G.
SUBMITTED TO:	MUNICIPALITY OF YORK
SHEET TITLE:	<p>PARTIAL 3RD FLOOR</p> <p>AREA 'B'</p> <p>PLUMBING & FIRE PROTECTION</p> <p>DEMOLITION PLAN</p>
SHEET NUMBER:	M-301



- GENERAL NOTES**
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 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.

- 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 3/4" C/W ASSOCIATED FAUCET, MODIFY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW SINK. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
 - ⑤ PROVIDE NEW 50R FLOOR DRAIN 12" 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 LAVATORY 1/2" C/W ASSOCIATED FAUCET AND P-TRAP. MODIFY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW LAVATORY. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
 - ⑦ PROVIDE NEW WATER CLOSET 30" C/W FLUSH VALVE, CARRIER & FLOOR FLANGE. TO BE REMOVED. MODIFY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW WATER CLOSET. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
 - ⑧ ROTATED FIRE HOSE CABINET. MODIFY EXISTING CABINET AND ASSOCIATED PIPING TO SUIT NEW FIRE HOSE CABINET ORIENTATION.
 - ⑨ PROVIDE NEW SINK 3/4" C/W ASSOCIATED FAUCET, MODIFY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW SINK. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS.

NOTES

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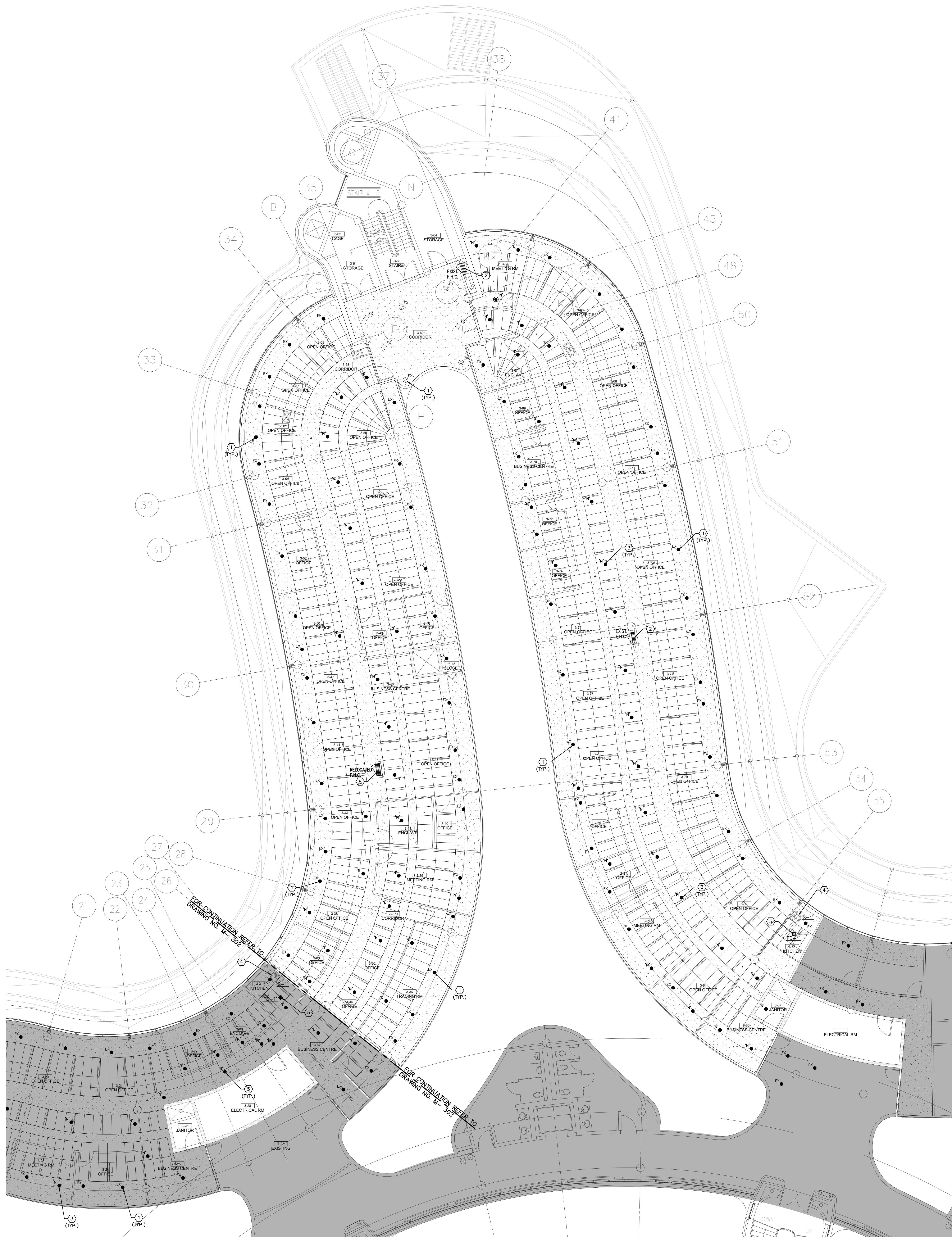
PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES
FLOOR: 003
BASE DATE: 03-01-2020
PROJECT:

PROJECT #9900
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'
PLUMBING & FIRE PROTECTION
NEW LAYOUT**

SHEET NUMBER:
M-302



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 - 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.
 - PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL GELING 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.
 - ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
 - MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
 - ALL SPRINKLER WORK SHALL BE DONE AS PER NFPA 13.

- DRAWING NOTES**
- EXISTING SPRINKLER HEAD TO REMAIN. (TYPICAL)
 - EXISTING FIRE HOSE CABINET C/W 22 METER LONG FIRE HOSE TO REMAIN. (TYPICAL)
 - PROVIDE NEW PENDANT SPRINKLER HEAD. (TYPICAL)
 - PROVIDE NEW SINK 30" x 18" C/W ASSOCIATED FAUCET, MOPSY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW SINK. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
 - PROVIDE NEW 50W FLOOR DRAIN 18" x 18" C/W ASSOCIATED SANITARY DRAIN PIPING. CONNECT NEW SANITARY DRAIN PIPE TO NEAREST EXISTING SANITARY LINE IN CEILING SPACE ON FLOOR BELOW. (TYPICAL)
 - PROVIDE NEW LAVATORY 18" x 24" C/W ASSOCIATED FAUCET AND P-TRAP. MODIFY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW LAVATORY. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
 - PROVIDE NEW WATER CLOSET 30" x 24" C/W FLUSH VALVE, CARRIER & FLOOR FLANGE. TO BE REMOVED. MODIFY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW WATER CLOSET. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
 - ROTATED FIRE HOSE CABINET. MODIFY EXISTING CABINET AND ASSOCIATED PIPING TO SUIT NEW FIRE HOSE CABINET ORIENTATION.
 - PROVIDE NEW SINK 30" x 24" C/W ASSOCIATED FAUCET, MOPSY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW SINK. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS.

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 2ND FLOOR SHALL ONLY BE DONE AFTER HOURS (4:30 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.

GENERAL NOTES:

- CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS, DETAILS AND SPECIFICATIONS ON SITE AND REPORT ANY DISCREPANCIES IN WRITING TO YORK REGION REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK
- DRAWINGS ARE NOT TO BE SCALED
- BEFORE PROCEEDING WITH THE WORK, CONTRACTOR MUST SUBMIT ALL NECESSARY SAMPLES AND SHOP DRAWINGS TO YORK REGION REPRESENTATIVE FOR APPROVAL
- ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF YORK REGION. AS SUCH, THEY ARE NOT INTENDED FOR USE ON OTHER PROJECTS OR EXTENSIONS OF THE PROJECT SPECIFIED

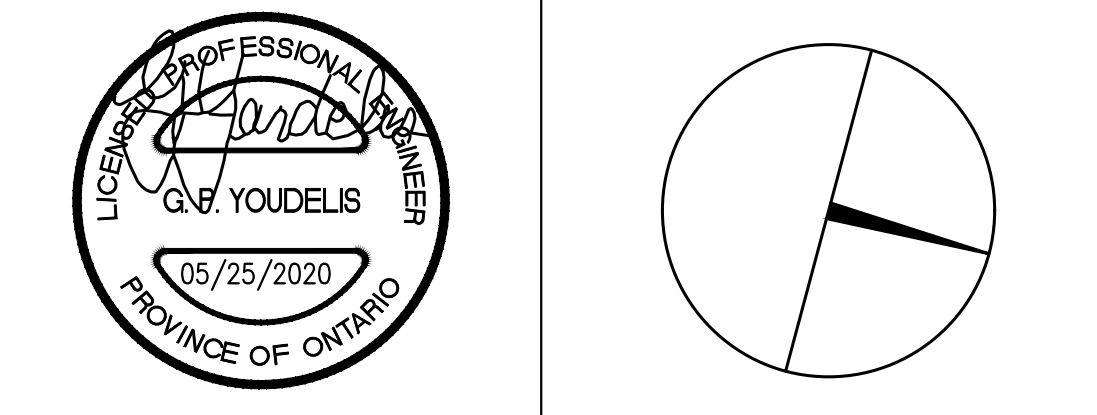
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1	03-20-2020	ISSUED FOR 60% REVIEW
2	05-18-2020	ISSUED FOR 90% REVIEW
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6	03-19-2021	ISSUED FOR CONSTRUCTION

G. Bruce Stratton Architects
217 Richmond Street West, Suite 300
Toronto Ontario M5V 1W2
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GPY +
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90C Centurian Drive
Unit 6
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L3R 8C5

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Fax: 905.475.3132
email: engineering@gpyengineering.com



York Region

PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 003

BASE DATE: 03-01-2020

PROJECT:

PROJECT #9900

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:

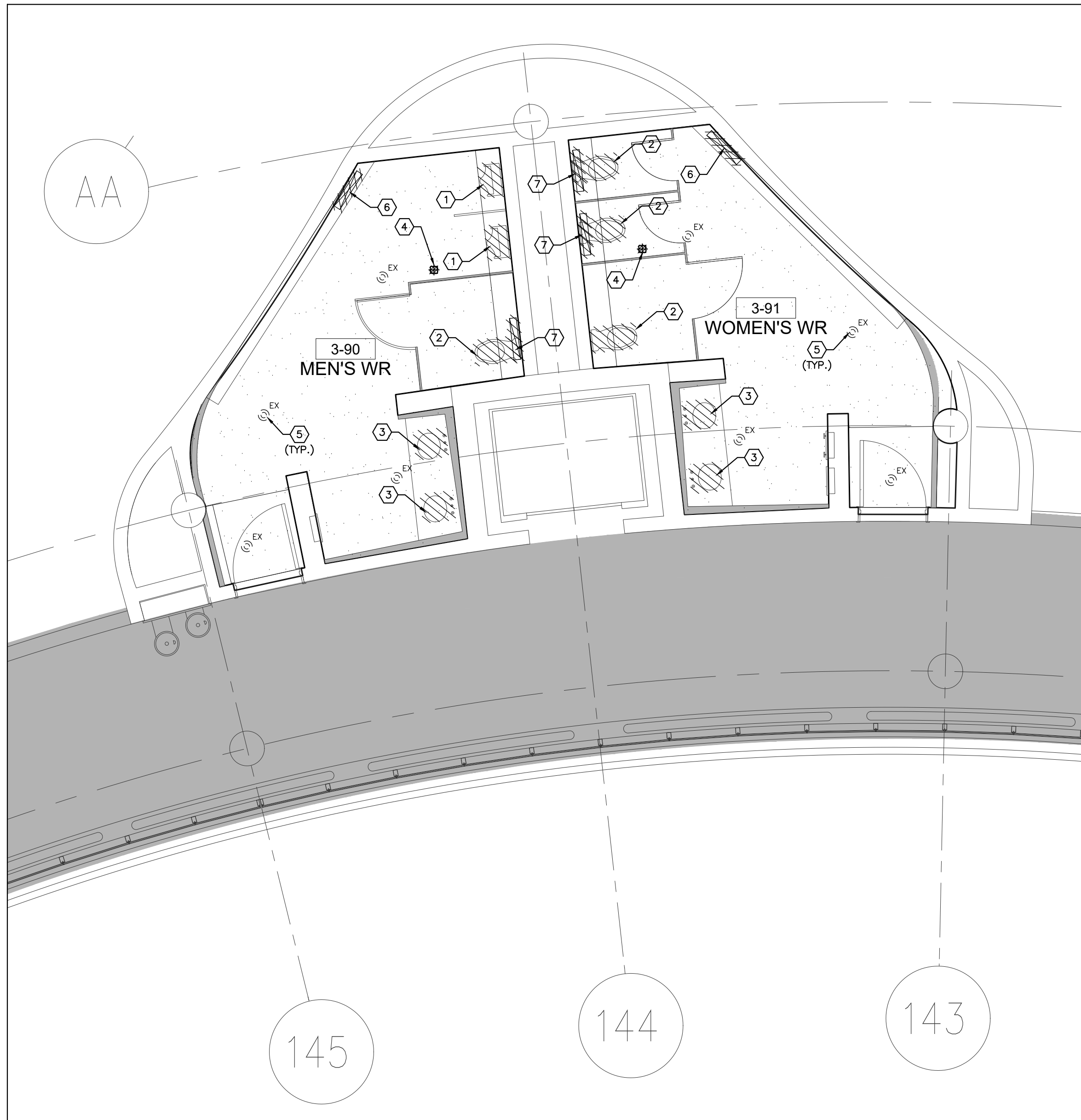
**PARTIAL 3RD FLOOR
AREA 'B'
PLUMBING & FIRE PROTECTION
NEW LAYOUT**

SHEET NUMBER:

M-303



1 WASHROOMS 3-88 & 3-89 - MECHANICAL DEMOLITION PLAN
SCALE: 1:50



2 WASHROOMS 3-90 & 3-91 - MECHANICAL DEMOLITION PLAN
SCALE: 1:50



3 WASHROOMS 3-92 & 3-93 - 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 FAUCET 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 SLOT. (TYPICAL)
- EXISTING EXHAUST AIR GRILLES TO BE REMOVED. EXISTING CONNECTED DUCTWORK TO REMAIN FOR INSTALLATION OF NEW EXHAUST GRILLES. (TYPICAL)

GENERAL NOTES:

- CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS, DETAILS AND SPECIFICATIONS ON SITE AND REPORT ANY DISCREPANCIES IN WRITING TO YORK REGION REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK
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5	12-11-2020	ADDENDUM M-1
6	03-19-2021	ISSUED FOR CONSTRUCTION

G.Brue Stratton Architects

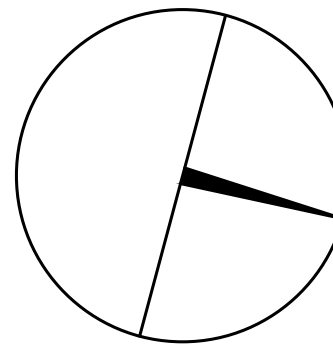
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telephone: 416.351.8145
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90C Centurian Drive
Unit 6
Markham, Ontario
L3R 8C5

Tel: 905.475.3138
Fax: 905.475.3732
email: engineering
@gpyengineering.com



PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 003

BASE DATE: 03-01-2020

PROJECT:

PROJECT #9900

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

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

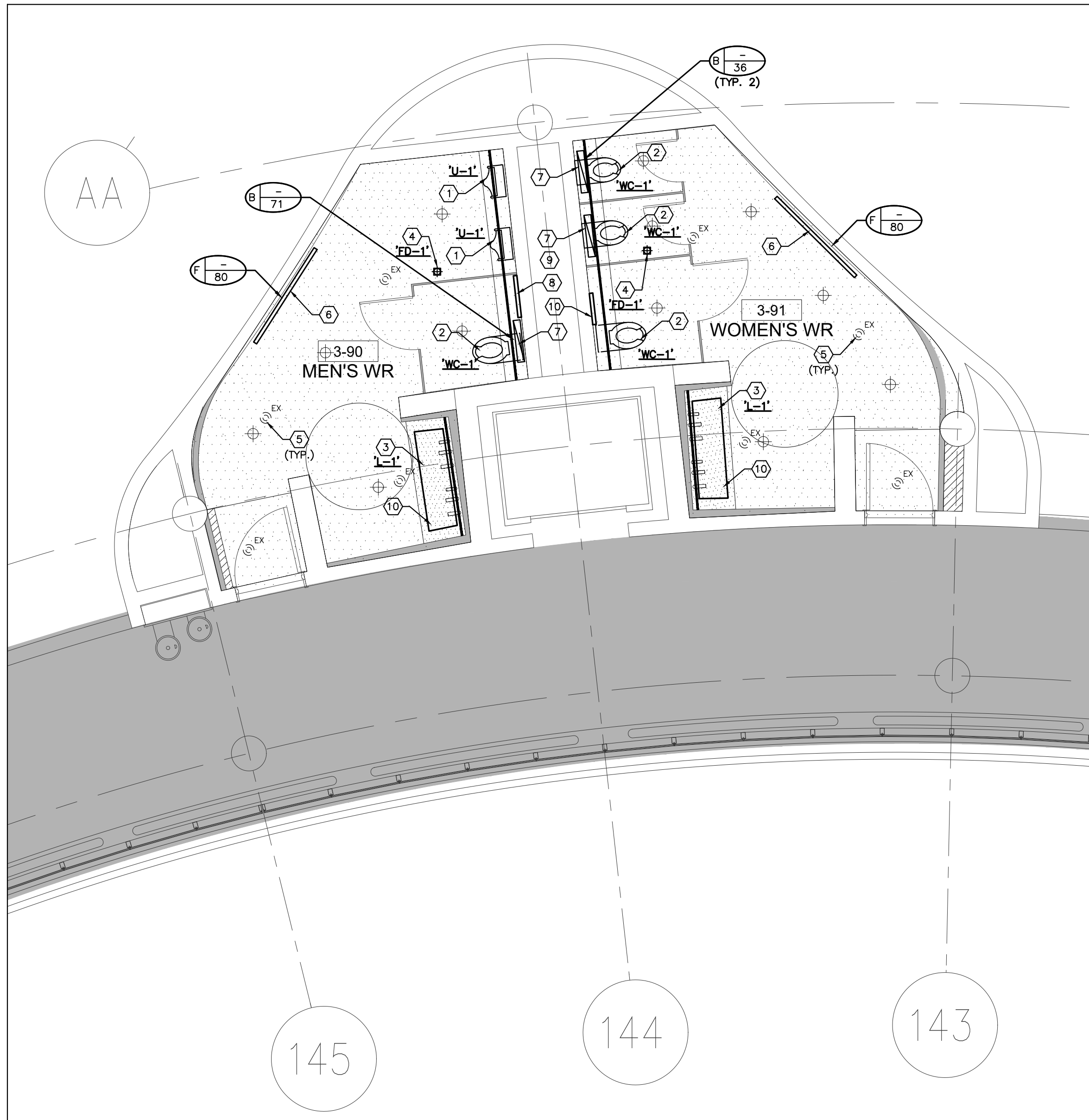
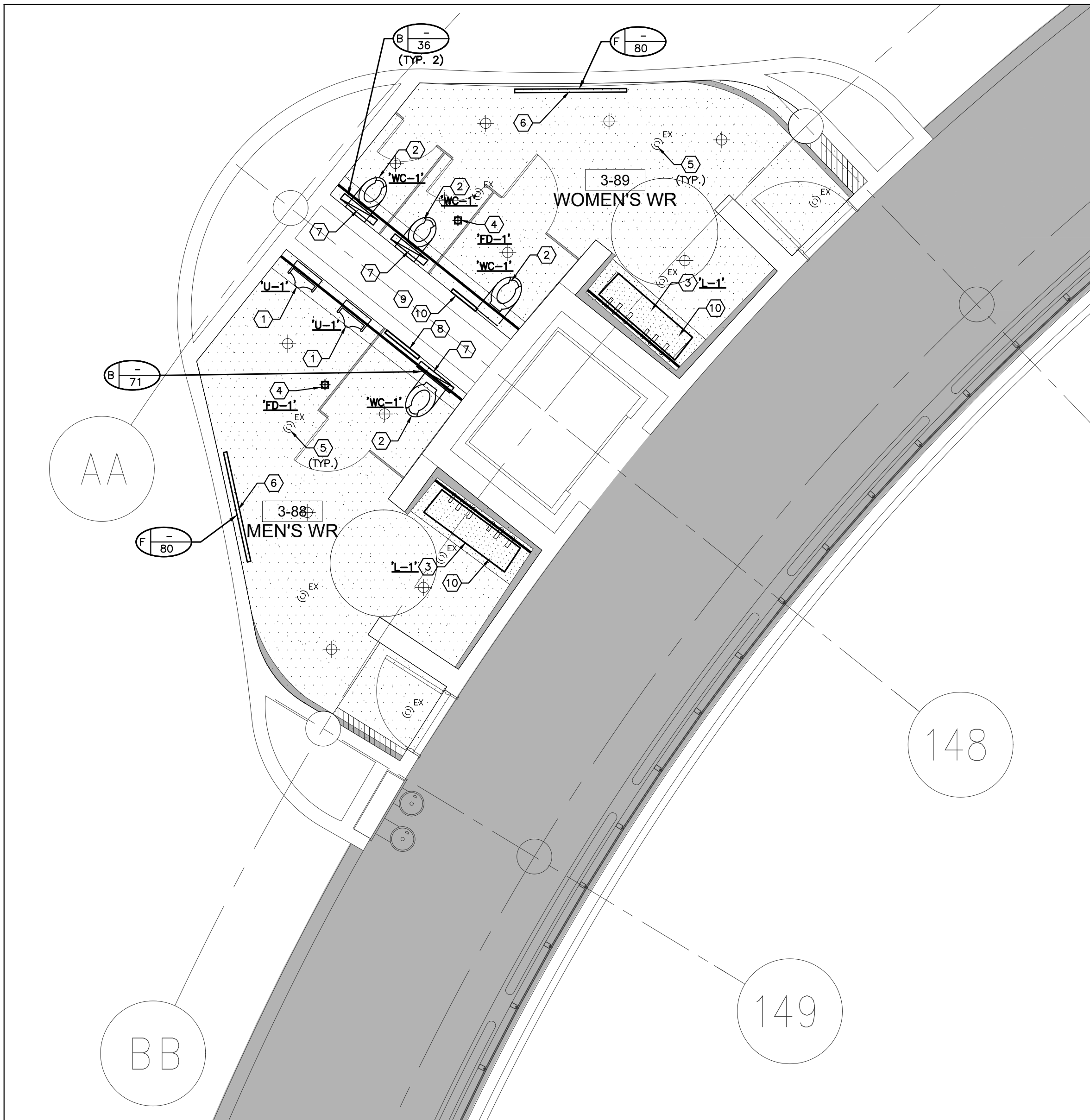
SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

3RD FLOOR WASHROOMS
3-88 TO 3-93
MECHANICAL
DEMOLITION PLAN

SHEET NUMBER:

M-304



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.
- PROVIDE NEW ISOLATION VALVES FOR ALL PLUMBING FIXTURES.

DRAWING NOTES

- PROVIDE NEW URINAL 'UL-1' C/W ASSOCIATED FLUSH VALVE AND PIPING. MODIFY/EXTEND EXISTING COLD WATER SUPPLY, SANITARY DRAIN AND SANITARY VENT PIPING TO SUIT INSTALLATION OF NEW FIXTURE. PROVIDE NEW CLEAN-OUT (TYPICAL).
- PROVIDE NEW WATER CLOSET 'WC-1' C/W ASSOCIATED FLUSH VALVE, CARRIER AND PIPING. MODIFY/EXTEND EXISTING COLD WATER SUPPLY, SANITARY DRAIN AND SANITARY VENT PIPING TO SUIT INSTALLATION OF NEW FIXTURE. PROVIDE NEW FLOOR FLANGE AND GASKETS AS REQUIRED (TYPICAL).
- PROVIDE NEW LAVATORY 'L-1' C/W ASSOCIATED FAUCET AND SOAP DISPENSER. MODIFY/EXTEND EXISTING HOT & COLD WATER SUPPLY, SANITARY DRAIN AND SANITARY VENT PIPING TO SUIT INSTALLATION OF NEW FIXTURE. PROVIDE NEW SHUT-OFF VALVES AND P-TRAP (P-TRAP SHALL BE ADJUSTABLE AND HAVE CLEARDOUT FLUG ON THE BOTTOM OF THE TRAP (TYPICAL). LAVATORY SHALL BE ONLY INSTALLED BY LOVARR TRAINED PERSONNEL. FAUCET AND HAND SOAP DISPENSER TO BE INSTALLED BY MECHANICAL TRADES AND ELECTRICAL CONNECTION BY DIV. 16. (SEE ADDITIONAL NOTES BELOW).
- PROVIDE NEW FLOOR DRAIN 'FD-1' C/W BODY & ADJUSTABLE STRAINER COVER AND CONNECT TO EXISTING DRAIN PIPING. FLOOR DRAIN TO BE FLUSH MOUNT WITH NEW PRIOR FLOOR LEVEL. SIZE OF FLOOR DRAIN SAME AS EXISTING (TYPICAL).
- EXISTING SPRINKLER HEAD TO REMAIN (TYPICAL).
- NEW ARCHITECTURAL PLENUM SLOT DIFFUSER. MODIFY/EXTEND EXISTING DUCTWORK TO SUIT INSTALLATION OF NEW DIFFUSERS. RE-BALANCE TO NEW AIR QUANTITY AS INDICATED. SLOT DIFFUSER BY ARCHITECTURAL DIVISION (TYPICAL).
- PROVIDE NEW TYPE 'B' EXHAUST AIR GRILLES C/W FACE ADJUSTABLE BALANCING DAMPER. PRIOR TO ORDERING, VERIFY EXACT SIZE OF GRILLE WITH DOCT FLANGE ON SITE. MODIFY/EXTEND EXISTING DUCTWORK AS REQUIRED (TYPICAL).
- PROVIDE NEW RIGIDWOD 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).
- 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.
- PROVIDE NEW HOT & COLD WATER HOSE BIBB UNDER LAVATORY.
- PROVIDE NEW 300x450 ACCESS PANEL ON WALL FOR 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, WIRING 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.

GENERAL NOTES:

- CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS, DETAILS AND SPECIFICATIONS ON SITE AND REPORT ANY DISCREPANCIES IN WRITING TO YORK REGION REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK
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4	11-05-2020	ISSUED FOR TENDER
5	12-11-2020	ADDENDUM M-1
6	03-19-2021	ISSUED FOR CONSTRUCTION

G. Bruce Stratton Architects

217 Richmond Street West, Suite 300
Toronto Ontario M5V 1W2
telephone: 416.351.8145
facsimile: 416.351.8146

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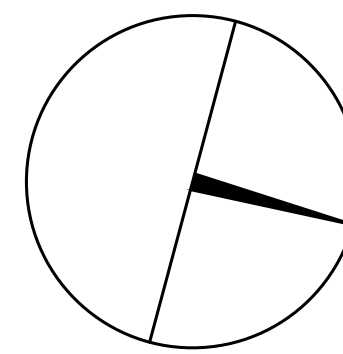
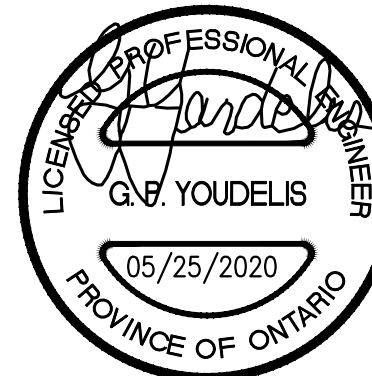
Associates Engineering Inc.

90C Centurian Drive
Unit 6
Markham, Ontario
L3R 8C5

Tel: 905.475.3138

Fax: 905.475.3132

email: engineering@gpyengineering.com



PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 003

BASE DATE: 03-01-2020

PROJECT:

PROJECT #9900

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:

3RD FLOOR WASHROOMS
3-88 TO 3-93
MECHANICAL
NEW LAYOUT

SHEET NUMBER:

M-305



- GENERAL NOTES
- CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
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 - 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.
 - ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
 - WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
 - MECHANICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.

- DRAWING NOTES
- ① EXISTING HEATING WATER SUPPLY & RETURN PIPING TO REMAIN. (TYPICAL).

NOTES

ALL MECHANICAL WORKS INVOLVED ON THE 2ND FLOOR SHALL ONLY BE DONE AFTER HOURS (4:30 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.

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PROFESSIONAL ENGINEER
G.B. YODELIS
06/25/2020
PROVINCE OF ONTARIO

PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 003

BASE DATE: 03-01-2020

PROJECT: PROJECT #9900

YORK REGION

Administrative Centre
17250 Yonge Street
Newmarket, Ontario

SCALE: 1:100m

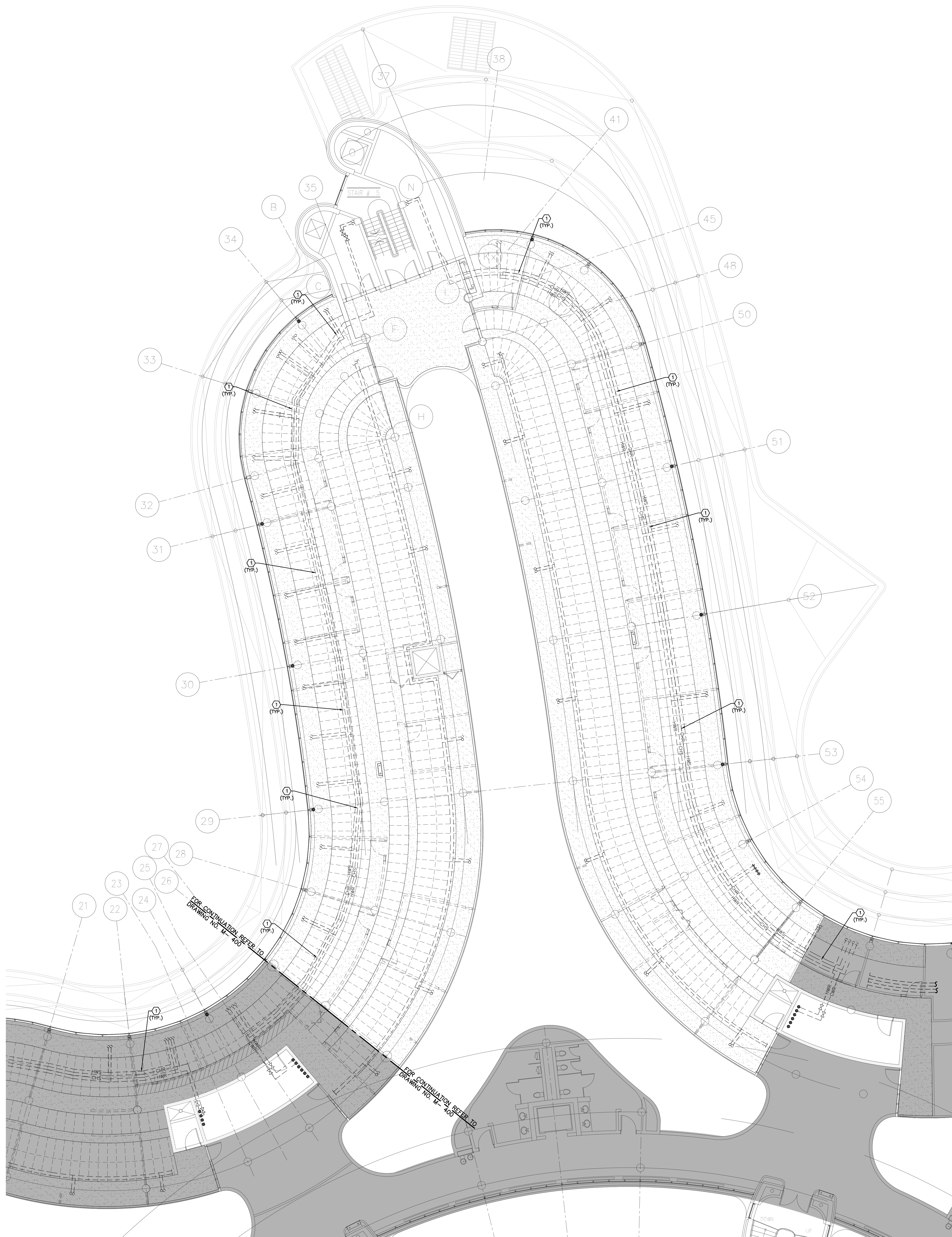
DRAWN BY: S.P.R./G.G.

SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE: PARTIAL 3RD FLOOR
AREA 'A'
HYDRONIC DEMOLITION PLAN

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.
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 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.

- DRAWING NOTES
- ① EXISTING HEATING WATER SUPPLY & RETURN PIPING TO REMAIN. (TYPICAL).

NOTES

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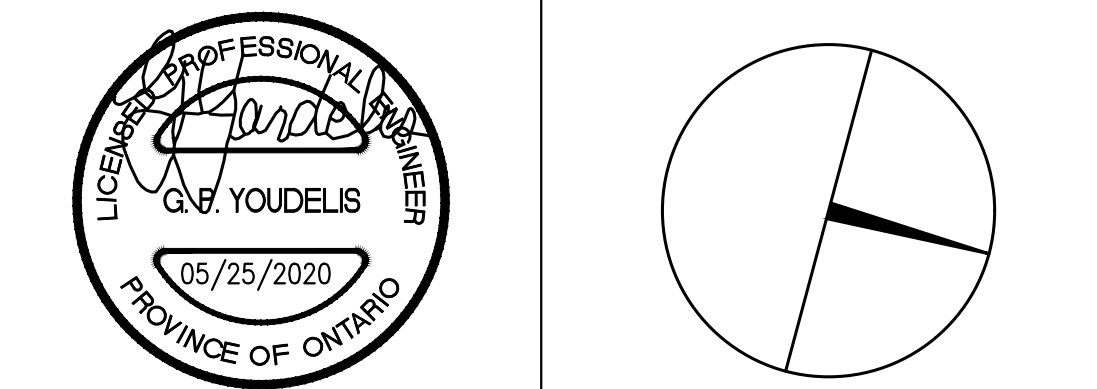
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PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 003

BASE DATE: 03-01-2020

PROJECT:

PROJECT #9900

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'
HYDRONIC DEMOLITION PLAN

SHEET NUMBER:

M-401

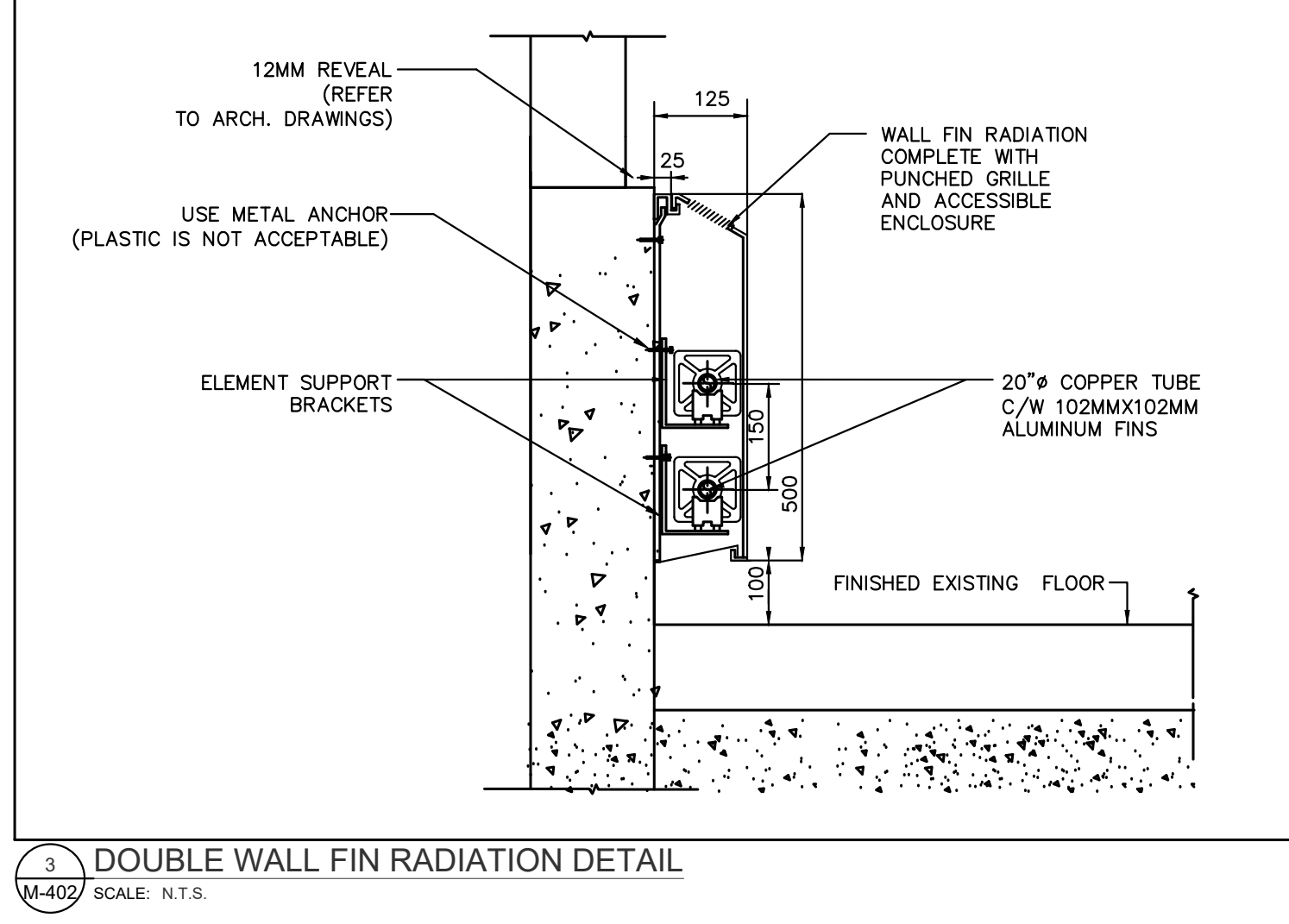
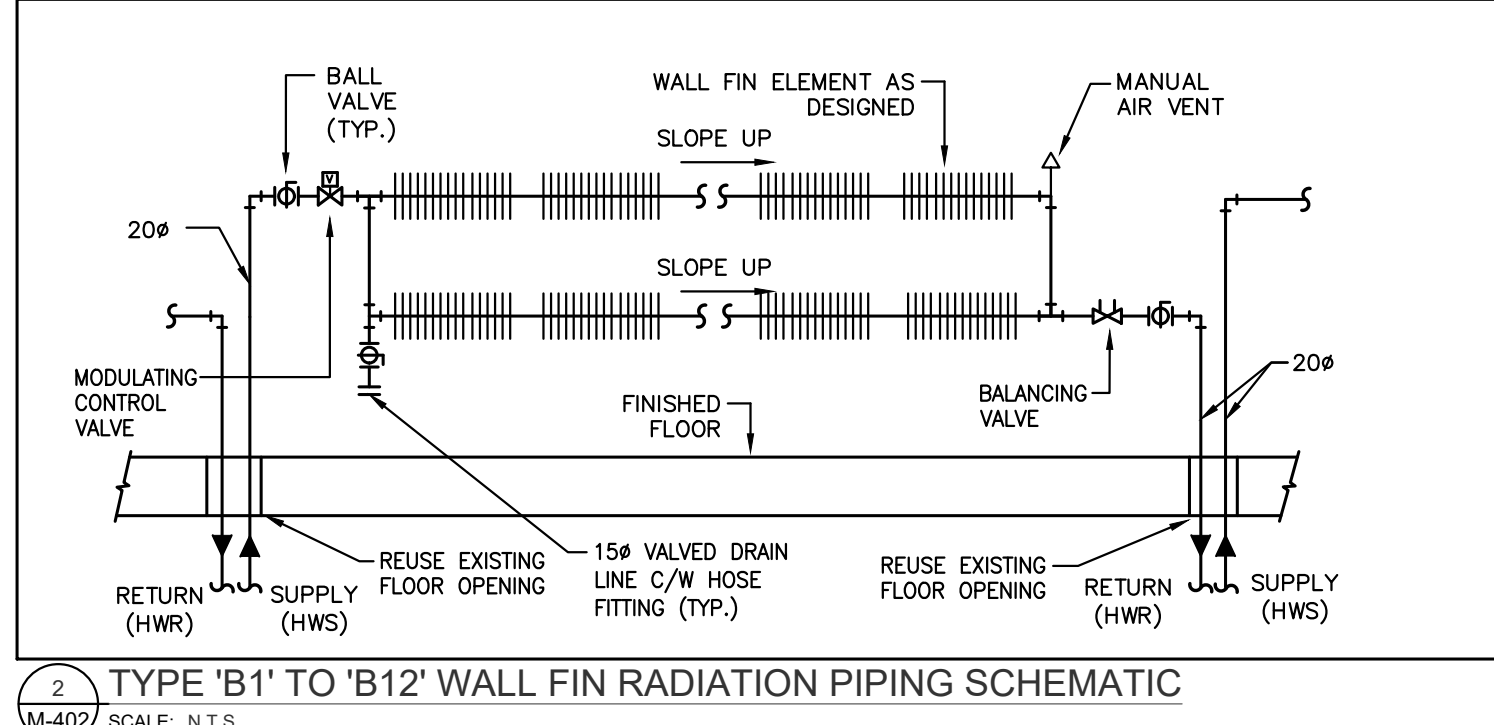
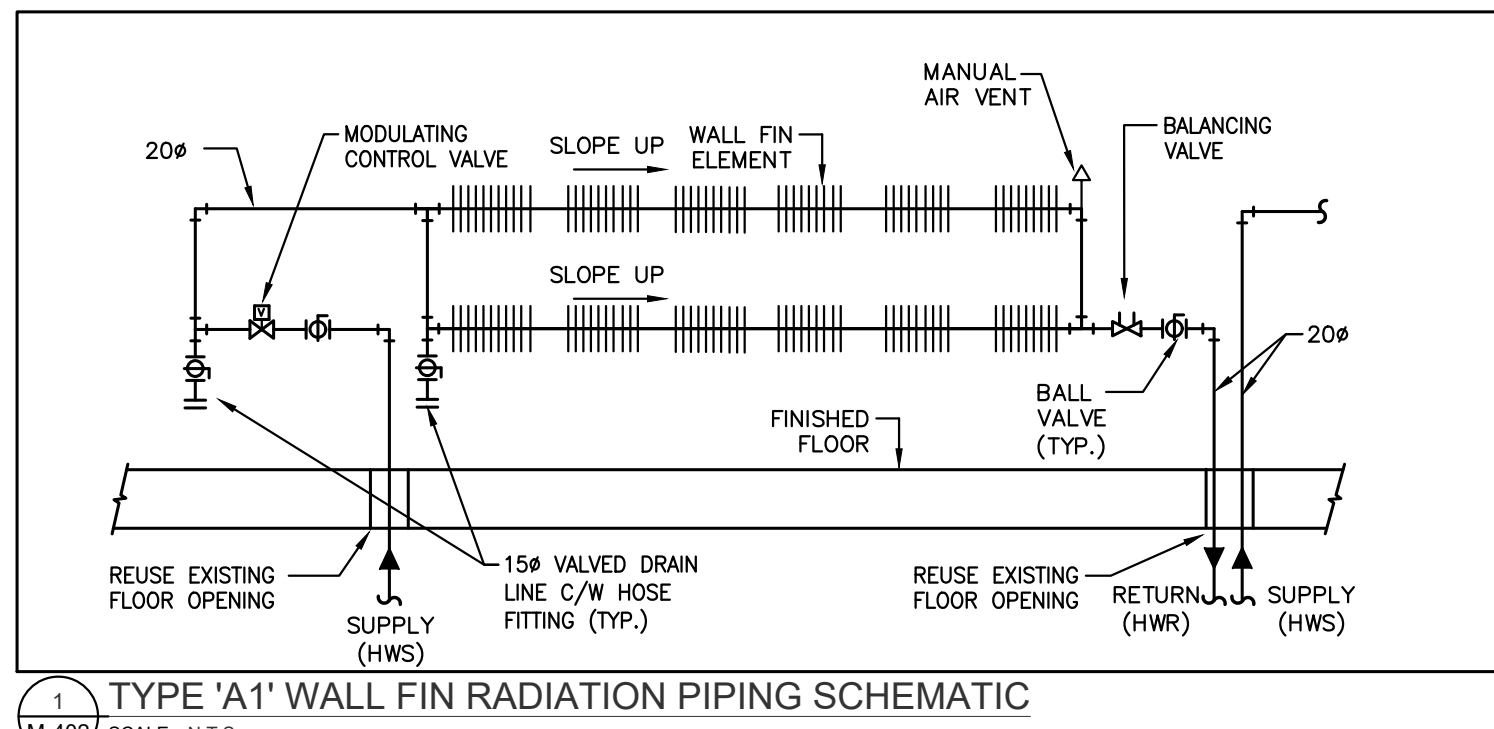


- GENERAL NOTES**
1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION.
 2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGIN.
 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 WASH 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 2ND FLOOR SHALL ONLY BE DONE AFTER HOURS (8:30 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.

- DRAWING NOTES**
1. NEW FLOOR MOUNTED WALL-FIN CABINET RADIATOR. PROVIDE NEW HEATING WATER PIPE AND CONNECT TO NEW EXISTING HEATING WATER PIPE IN SECOND 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. NEW 65# CHILLED WATER SUPPLY PIPE FROM SECOND FLOOR MECHANICAL ROOM FOR CONTINUATION REFER TO DRAWING NO. 4-M-205. CONTRACTOR TO VERIFY EXACT LOCATION AND CONNECTION TO EXISTING CHILLED WATER SUPPLY PIPE ON SITE.
 5. TERMINATE CAPPED AND VALVED NEW MAIN HEATING SUPPLY PIPING NEAR EXISTING HEATING RISERS. (TYPICAL)
 6. CONNECT NEW CONDENSATE DRAIN PIPE TO EXISTING STORM DRAIN PIPING IN CEILING SPACE AT THIS APPROXIMATE LOCATION. PIPE SHALL BE CONNECTED VERTICALLY. (TYPICAL)
 7. TERMINATE NEW CONDENSATE DRAIN PIPE AT EXISTING JANITOR'S SINK. PROVIDE FLOOR SINK IN JAN. CLOSET. (TYPICAL)
 8. CONNECT NEW 65# CHILLED WATER RETURN PIPE TO EXISTING RISER AT ELECTRICAL ROOM. EXACT CONNECTION TO BE CONFIRMED ON SITE. (TYPICAL)
 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 20# CHILLED WATER SUPPLY/RETURN WATER PIPE TO NEW FAN COIL UNITS C/W ISOLATION VALVE, BALANCING VALVE, CONTROL VALVE AND CONTROL WIRING. (TYPICAL)
 12. PROVIDE NEW CAPPED AND VALVED 20# HWB/HWR STILES FOR FUTURE 4TH FLOOR HEATING SYSTEM CONNECTION (TYPICAL)
 13. AT EACH CHANGE OF DIRECTION ON CHILLED WATER PIPING CONTRACTOR TO PROVIDE OFFSET AS PER MECHANICAL DETAIL NO. 10/M-102. (TYPICAL)
 14. INSTALL NEW HEATING 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. VERTICAL PIPE FITTINGS ARE PERMITTED IN ACCESSIBLE SPACES ONLY. PROVIDE NEW PIPE HANGERS AS REQUIRED. INSTALL NEW HEATING PIPING TIGHT TO EXISTING BALANCE AND SEAMS TO ALLOW FOR RETENSION OF NEW FAN COIL UNITS C/W DUCTWORK AND DIFFUSERS.
 15. PROVIDE SOUND BATTIE INSIDE WALL FIN ENCLOSURE. REFER TO DETAIL NO. 13/M-102. NEW 20# HEATING SUPPLY/RETURN PIPE AND CONNECT TO EXISTING VALVED HEATING SUPPLY/RETURN PIPE IN CEILING SPACE OF SECOND FLOOR. RE-USE EXISTING FLOOR OPENINGS AND PROVIDE ALL NECESSARY FITTING/PIPE EXTENSION AS REQUIRED.
 16. NEW 20# HEATING SUPPLY/RETURN PIPE FROM NEW EXISTING HEATING SUPPLY/RETURN PIPE MAIN LOCATED IN SECOND FLOOR CEILING SPACE. RE-USE EXISTING FLOOR OPENING. PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/PATCHING/PIPE-STOPPING AS REQUIRED. PROVIDE ALL NECESSARY FITTING/PIPE EXTENSION AS REQUIRED.
 17. PROVIDE NEW STANDING WASTE C/W 20# HUB DRAIN IN CEILING SPACE. RE-USE EXISTING DRAIN LINE AT THIS APPROXIMATE LOCATION FOR NEW STANDING WASTE.



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2. DRAWINGS ARE NOT TO BE SCALED
3. BEFORE PROCEEDING WITH THE WORK, CONTRACTOR MUST SUBMIT ALL NECESSARY SAMPLES AND SHOP DRAWINGS TO YORK REGION REPRESENTATIVE FOR APPROVAL
4. ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF YORK REGION. AS SUCH, THEY ARE NOT INTENDED FOR USE ON OTHER PROJECTS OR EXTENSIONS OF THE PROJECT SPECIFIED

SUBMISSION	DATE	DESCRIPTION
1	03-20-2020	ISSUED FOR 60% REVIEW
2	05-18-2020	ISSUED FOR 90% REVIEW
3	05-25-2020	ISSUED FOR PERMIT & TENDER
4	11-05-2020	ISSUED FOR TENDER
5	12-11-2020	ADDENDUM M-1
6	03-19-2021	ISSUED FOR CONSTRUCTION

G. Bruce Stratton Architects

217 Richmond Street West, Suite 300
Toronto Ontario M5V 1W2
telephone: 416.351.8145
facsimile: 416.351.8146

GPY +
Associates Engineering Inc.

90C Centurian Drive
Unit 6
Markham, Ontario
L3R 8C5

Tel: 905.475.3138
Fax: 905.475.3132
email: engineering@gpyengineering.com

PROFESSIONAL ENGINEER
G. B. YODELIS
06/25/2020
PROVINCE OF ONTARIO

York Region

PROPERTY SERVICES

DEPARTMENT:	BUILDING & FACILITIES
FLOOR:	003
BASE DATE:	03-01-2020
PROJECT:	

PROJECT #9900

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'
HYDRONIC NEW LAYOUT

SHEET NUMBER:

M-402





- GENERAL NOTES
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 - ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED, CAPPED, AND MADE GOOD.
 - WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.
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 - INSTALLATION HEIGHT OF TEMPERATURE SENSORS SHALL BE 4'-0" (TYPICAL FOR ALL)

- NOTES
- ALL MECHANICAL WORKS INVOLVED ON THE 2ND 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.

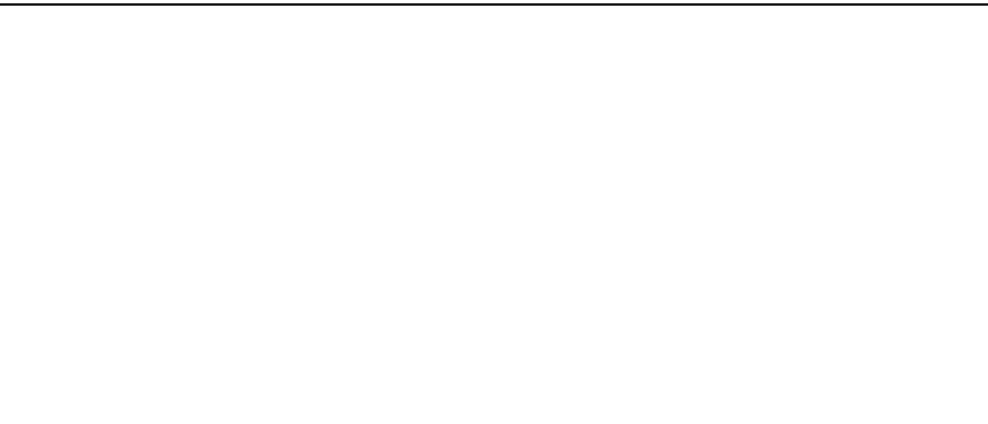
- DRAWING NOTES
- NEW CONTROL VALVE FOR FANCOIL RADIATOR. CONTROL VALVE SHALL BE CONNECTED TO ASSOCIATED CONTROLLER AS SHOWN (TYPICAL).
 - NEW TEMPERATURE SENSOR. PROVIDE CONTROL WIRING AS REQUIRED (TYPICAL).
 - NEW BAS CONTROLLER IN CEILING SPACE. PROVIDE CONTROL WIRING AND TRANSFORMER AS REQUIRED. CONTROLLER SHALL BE INSTALLED INSIDE FAN COIL UNIT. COORDINATE WORK WITH FAN COIL UNIT MANUFACTURER (TYPICAL).
 - NEW FAN COIL UNIT IN CEILING SPACE. INSTALL UNIT TIGHT TO CEILING SLAB AS HIGH AS POSSIBLE. PROVIDE UNIT SUPPORTS AS REQUIRED (TYPICAL).
 - NEW JANITOR ROOM FLOOR WATER DETECTION SENSOR. PROVIDE NECESSARY CONTROL WIRING, FLOOR SLAB CUTTING/PATCHING AS REQUIRED.
 - NEW TEMPERATURE SENSOR WITH CO₂ SENSOR. PROVIDE CONTROL WIRING (TYPICAL).
 - NEW CONTROLS PANEL IN ELECTRICAL ROOM BY CONTROLS CONTRACTOR. POWER BY DIV. 16.

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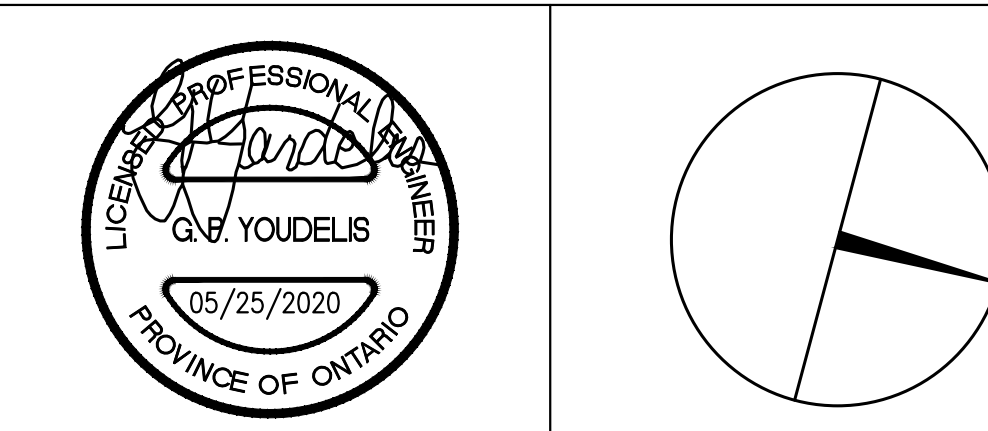
217 Richmond Street West, Suite 300
Toronto Ontario M5V 1W2
telephone: 416.351.8145
facsimile: 416.351.8146



GPY + Associates Engineering Inc.

90C Centurian Drive Unit 6 Markham, Ontario L3R 8C5

Tel: 905.475.3138 Fax: 905.475.3132 email: engineering@gpyengineering.com



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PROJECT #9900

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

PARTIAL 3RD FLOOR
AREA 'A'
CONTROLS LAYOUT

SHEET NUMBER:

M-500

