

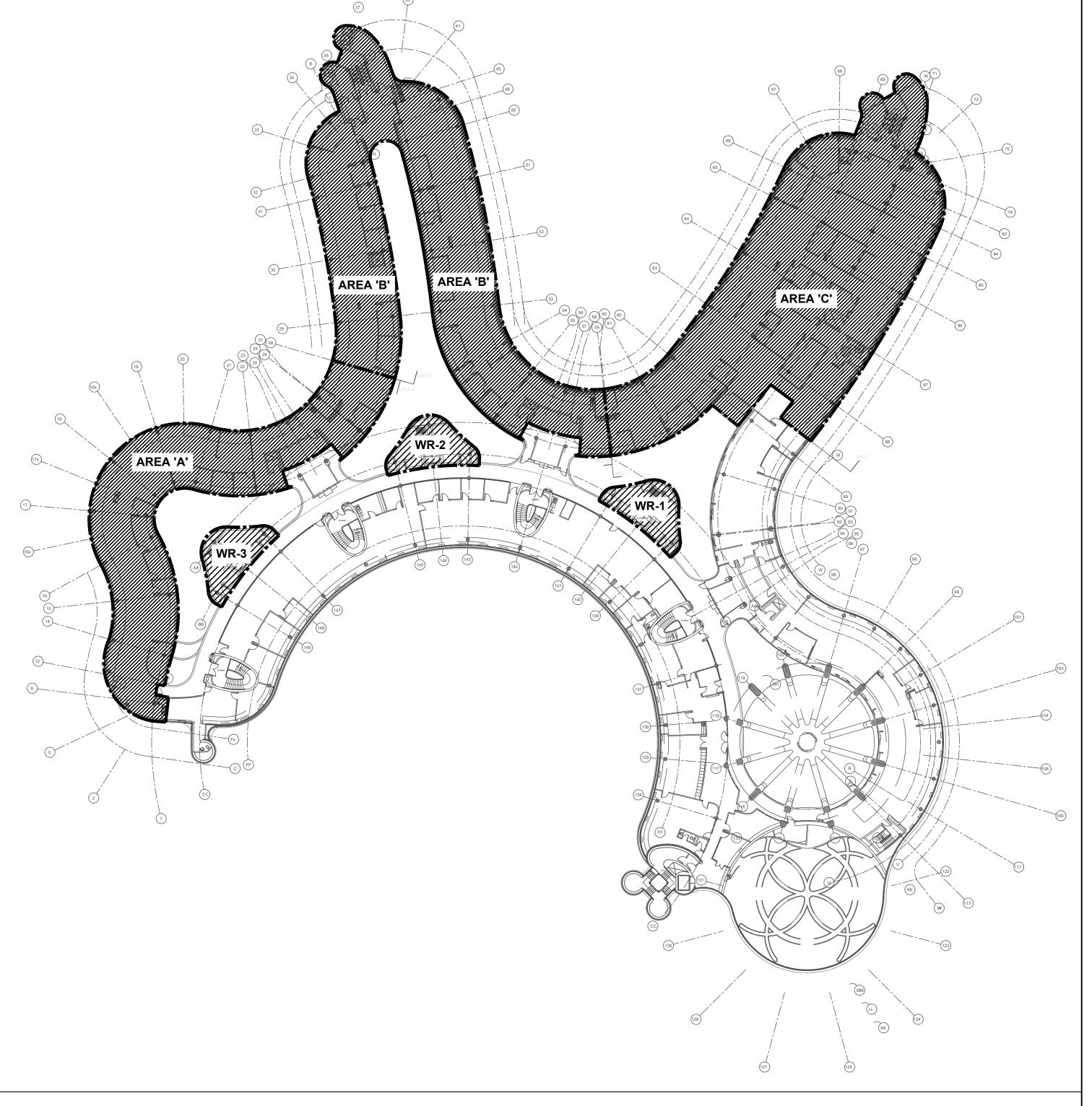
THE REGIONAL MUNICIPALITY OF YORK

YORK REGION ADMINISTRATIVE CENTRE

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

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

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



SCOPE OF WORK -

GPY+ ASSOCIATES ENGINEERING INC.

MECHANICAL CONSULTING ENGINEERS

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			AIR FLOW					CHILLE	D WA	TER C	OIL					НОТ	WATER	COIL (R	E-HEAT)				ELECTRI	CAL			
TAG	MFG.	MODEL NO.	(CFM) /FAN SPEED H:HIGH	(wc)		.)	(BT	011)	(°F)	L.W.T. (°F)	FLOW (GPM)	FLUID P.D	NO. ROWS		L.A.T. DB	SENSIBLE CAPACITY	E.W.T. (*F)		FLOW (GPM)	FLUID P.D	NO. ROWS	FAN		AMPS	VOLTS/PH/HZ	WEIGHT (LB)	QUANTIT
			M:MEDIUM		DB	WB	TOTAL	SENS.	\ · · /	(',	(GFWI)	(FTwG)	1.01/3	(°F)	(°F)	(BTUH)	(.,	(' /	(GFM)	(FTwG)	1000	(пг)	MSCP				
FCU-16, 19, 22, 25-28, 40, 42-44, 46-50, 65-67, 69-73, 75-77, 80, 81, 87, 89, 93 & 96	JOHNSON CONTROLS	FHP-D08	501/H	0.38	80	67 1	16994	12594	47	59.3	2.8	6.38	4	70	96.1	14416	140.0	120.1	1.4	1.19	1	1/4	1.50/15.0	1.20	208/1/60	97	33
FCU-2, 3, 9-14, 17, 18, 20, 21, 23, 24, 29-31, 33-36, 39, 41, 51-53, 55-64, 68, 74, 78, 79, 82,83, 85, 88, 90-92, 98, 99, 101, 103, 104, 117, 121	JOHNSON CONTROLS	FHP-D06	395/H	0.50	80	67 1	12864	9734	47	58.9	2.2	1.54	4	70	95.9	11346	140.0	120.1	1.10	0.59	1	1/4	1.50/15.0	1.20	208/1/60	81	54
FCU-1, 4-8, 15, 32, 37, 38, 45, 54, 84, 86, 94, 95, 97, 100, 102, 105, 106-116, 118-120, 122-126	JOHNSON CONTROLS	FHP-D03	246/H	0.38	80	67	7924	6054	47	59.0	1.3	3.47	4	70	97.1	6586	140.0	120.1	0.7	1.09	1	1/4	0.88/15.0	0.70	208/1/60	43	39

FAN COIL UNITS SHALL BE PROVIDED WITH SINGLE POWER LOCATION, 18 GAUGE CABINET, 3-SPEED (LOW, MEDIUM, AND HIGH) FAN WITH RELAY AND TRANSFORMER, ECM MOTOR, INTEGRAL GALVANIZED DRAIN PAN (FOR COIL & VALVING), MANUAL AIR VENT, VIBRATION ISOLATORS, DISCONNECT, CONDENSATE OVERFLOW SWITCH, LAMACOID LABEL, REAR RETURN AIR WITH MERV-13 FILTERS, AND CONTROL BOX o/w TERMINAL STRIP CONTAINING 2 WIRE CONNECTIONS FOR POWER AND 3 CONTROL WIRE CONNECTIONS, WHICH WHEN A SIGNAL IS APPLIED TO, ONE OF THE 3 CONNECTIONS TURNS THE FAN TO HIGH (OPTIONAL ONLY), MEDIUM (OCCUPIED MODE) OR LOW SPEED (UNOCCUPIED MODE OR HIGH HUMIDITY). ALL FAN COIL UNITS SHALL BE LOW PROFILE TYPE — MAXIMUM HEIGHT SHALL BE 270mm.

NOTES (FOR MECHANICAL CONTRACTOR):

- MECHANICAL CONTRACTOR SHALL PROVIDE ALL ACCESSORIES AND INSTALL COMPLETE HVAC SYSTEM INCLUDING ALL CONTROL WIRING AND DEVICES: CONDENSATE OVERFLOW SWITCH, COOLING ACTUATOR INPUT, MOTOR SPEED CONTROL, ROOM AIR TEMPERATURE, AND DISCHARGE AIR TEMPERATURE. ALL FAN COIL UNITS AND SENSORS SHALL BE WIRED TO BMS.
- . DISCONNECTS SHALL BE SUPPLIED BY OWNER (REFER TO SCHEDULE); AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR COORDINATE WITH PROJECT MANAGER AND ELECTRICAL CONTRACTOR. . PROVIDE 20mm CHILLED WATER SUPPLY AND RETURN PIPING WITH ISOLATION VALVES c/w MODULATING 2-WAY CONTROL VALVE AND ACTUATOR ON SUPPLY PIPING AND CIRCUIT SETTER ON CHILLED WATER RETURN PIPING - REFER TO DETAILS. NOTE: PIPING NOT SHOWN ON HVAC DRAWINGS FOR CLARITY. PROVIDE TIE-INS (HOT-TAPS) AS REQUIRED. . PROVIDE 20mm HEATING WATER SUPPLY AND RETURN PIPING WITH ISOLATION VALVES c/w MODULATING 2-WAY CONTROL VALVE AND ACTUATOR ON SUPPLY PIPING AND CIRCUIT SETTER ON HEATING WATER RETURN PIPING - REFER TO DETAILS. NOTE: PIPING NOT SHOWN ON HVAC DRAWINGS FOR CLARITY. PROVIDE TIE-INS (HOT-TAPS) AS REQUIRED. PROVIDE CONDENSATE (GRAVITY) DRAIN PIPING TO EXISTING STORM DRAIN/ CONDENSATE MAIN IN CEILING SPACE.
- . PROVIDE CONDENSATE OVERFLOW SWITCH ON FAN COIL DRAIN PAN WIRED TO BMS. THE BASE BUILDING CONTROLS CONTRACTOR SHALL PROVIDE NEW DELTA THERMOSTATS MODEL EZNF-X c/w LIGHTING CONTROL BUTTON, CO2 SENSOR, AND HUMIDITY SENSOR. THERMOSTAT SHALL MAINTAIN SPACE TEMPERATURE OF 22°C (WINTER)/23.5°C (SUMMER) AND MAXIMUM RELATIVE HUMIDITY OF 60%RH. IF RELATIVE HUMIDITY REACHES A SETPOINT HIGHER THAN 60%, THE FAN COIL UNIT SHALL OPERATE AT LOW SPEED UNTIL RELATIVE HUMIDITY DROPS TO 50%RH. DURING UNOCCUPIED MODE, THERMOSTAT SHALL MAINTAIN A MINIMUM OF 15°C AND A MAXIMUM OF 29.5°C; BUSINESS CENTER SHALL BE AT 23.5°C. BASE BUILDING CONTROLS CONTRACTOR TO PROVIDE ALL LOW VOLTAGE CONTROL WIRING.
- . PROVIDE TEMPERATURE SENSOR ON DISCHARGE AIR DUCT AND WIRE READING TO BMS. PROVIDE NEW BAS CONTROLLER ALONG WITH CENTRAL HUB. COORDINATE WITH BASE BUILDING CONTROLS CONTRACTOR.
- ENSURE THAT ALL ACCESS AND CLEARANCE REQUIREMENTS ARE PROVIDED COORDINATE WITH PROJECT MANAGER AND ALL OTHER TRADES. EXACT LOCATION OF FAN COIL UNIT, DUCTWORK, CONDENSATE DRAINAGE, AND PIPING SHALL BE DETERMINED ON SITE WITH NEW AND EXISTING SERVICES AND EXISTING STRUCTURAL. 1. FILTER RACK SHALL BE SECURELY MOUNTED AT RETURN AIR SIDE OF FAN COIL UNIT. FRESH AIR DUCT TO BE INDIRECTLY TERMINATED AT FILTER LOCATION.
- 12. FILTER FOR FAN COIL UNIT SHALL BE LIMITED TO NOMINAL SIZES LISTED BELOW: 1. 31" x 10.5" x 1" FOR MODEL FHP-D06 2. 19" x 10.5" x 1" FOR MODEL FHP-D03 & 2 SETS FOR MODEL FHP-D08

			F	FRESH	AIR	SUP	PLY F	AN SCHED	ULE		BASIS OF DESIGN: GREENHECK
TAG	SERVICE	TYPE	AIRFLOW (CFM)	EXT. S.P. (IN WC)	FLA (A)	WATTS	FAN RPM	ELEC. DATA	WEIGHT (LBS.)	BASIS OF DESIGN	REMARKS
<u>SF-1</u>	BLOCK 'A'	IN-LINE	800	0.7	7.1	451	1090	115V/1PH/60Hz	59	GREENHECK CSP-A1300	C/W SPEED CONTROLLER FOR BALANCING.
<u>SF-2</u>	BLOCK 'D'	IN-LINE	600	0.7	3.3	400	1579	115V/1PH/60Hz	39	GREENHECK CSP-A780	C/W SPEED CONTROLLER FOR BALANCING.
<u>SF-3</u>	BLOCK 'D'	IN-LINE	800	0.7	7.1	451	1090	115V/1PH/60Hz	59	GREENHECK CSP-A1300	C/W SPEED CONTROLLER FOR BALANCING.
<u>SF-4</u>	BLOCK 'E'	IN-LINE	800	0.7	7.1	451	1090	115V/1PH/60Hz	59	GREENHECK CSP-A1300	C/W SPEED CONTROLLER FOR BALANCING.
<u>SF-5</u>	BLOCK 'E'	IN-LINE	750	0.7	7.1	420	1065	115V/1PH/60Hz	59	GREENHECK CSP-A1300	C/W SPEED CONTROLLER FOR BALANCING.

UNIT-MOUNTED VARIABLE SPEED CONTROLLER IS SUPPLIED FOR AIR BALANCING PURPOSE. VARIABLE SPEED CONTROLLER TO BE SUPPLIED AND INSTALLED BY MECHANICAL TRADES. PROVIDE NEOPRENE VIBRATION ISOLATION KIT C/W ALL NECESSARY MOUNTING HARDWARE AS REQUIRED. FAN TO BE INTERLOCKED WITH EXISTING BAS.

> ACCESS PANEL MIFAB MDW SERIES DRYWALL BEAD ACCESS PANEL MDW SERIES 16 GAGE SATIN COAT STEEL DOOR AND 16 GAGE SATIN COAT STEEL FRAME. GALVANIZED DRYWALL TAPING BEAD. FINISH TO BE POWDER WHITE COAT

2——	RETURN/EXHAUST AIR DUCT UP
2	RETURN/EXHAUST AIR DUCT DOWN.
	EXISTING LIGHT TROFFER DIFFUSER
	NEW RETURN AIR GRILLE
2 2 2	NEW SUPPLY AIR DUCTWORK
***************************************	ACOUSTICALLY LINED DUCTWORK
* *	EXISTING DUCTWORK TO REMAIN.
	EXISTING DUCTWORK / EQUIPMENT TO BE REMOVED
	FLEXIBLE DUCT COMPLETE WITH SPIN-ON
(T)	NEW THERMOSTAT
(<u>j</u>)	EXISTING THERMOSTAT
⊕ ^R	RELOCATED THERMOSTAT
ИИ	ACOUSTICALLY LINED TRANSFER AIR DUCT
2	DRAWING NOTES
	EXISTING / NEW VAV BOX
©	NEW ROUND SUPPLY AIR DIFFUSER
M	NEW SQUARE SUPPLY AIR DIFFUSER
	LINEAR SLOT DIFFUSER
<u>↓</u>	DUCT MOUNTED SUPPLY AIR GRILLE
<u> </u>	DUCT CAP
// ^{RE}	REMOVE
	NEW BALANCING DAMPER
F.H.C.	EXISTING FIRE HOSE CABINET
O,N,	NEW UPRIGHT TYPE SPRINKLER HEAD
•'N'	NEW PENDANT TYPE SPRINKLER HEAD
% EX	REMOVE EXISTING SPRINKLER HEAD
EX	EXISTING SPRINKLER HEAD TO REMAIN
⊚'N'	NEW FULLY CONCEAL SPRINKLER HEAD
<i>5</i> ······	DOMESTIC COLD WATER
Ş	DOMESTIC HOT WATER
5— SAN —	NEW SANITARY PIPE
5— v—≤	NEW SANITARY VENT PIPE
	PIPE UP, PIPE DOWN
CO CO	CLEANOUT
C A B	A-MINIMUM AIR QUANTITY B-MAXIMUM AIR QUANTITY C-VAV BOX SIZE
A C	A-SIZE OF DIFFUSER/GRILLE/REGISTER B-AIR QUANTITY (CFM) C-TYPE OF DIFFUSER/GRILLE/REGISTER

MECHANICAL LEGEND

SYMBOL

DESCRIPTION

SUPPLY AIR DUCT UP

SUPPLY AIR DUCT DOWN

		DIFFUSER SCHEDULE	BASIS OF DESIGN: E.H. PRICE EQUAL IN: METALAIRE, NAILOR, TITUS
REF.	MODEL No.	DESCRIPTION	REMARKS
Α	SCDA	600MMX600MM SQUARE CONE DIFFUSER, STEEL CONSTRUCTION, FULLY ADJUSTABLE AIR PATTERN CONTROLLER, SUITABLE FOR 'T' BAR OR DRYWALL MOUNTING. C/W VOLUME DAMPER AT DIFFUSER NECK	B12 WHITE POWDER COAT FINISH
В	530D	45° DEFLECTION EXHAUST AIR GRILLE, FIXED LOUVERS, 3/4" BLADE SPACING, C/W OPPOSED BLADE DAMPER, FRONT BLADES PARALLEL TO LONG DIMENSION. SUITABLE FOR DRYWALL MOUNTING	B12 WHITE POWDER COAT FINISH
С	80 SERIES	RETURN AIR GRILLE 12x12x12 EGGCRATE, ALUMINUM CONSTRUCTION, SUITABLE FOR T-BAR CEILING MOUNTING. SIZES AS INDICATED ON DRAWING.	B12 WHITE POWDER COAT FINISH
D	SCDA	500MMX500MM SQUARE CONE DIFFUSER, STEEL CONSTRUCTION, FULLY ADJUSTABLE AIR PATTERN CONTROLLER, SUITABLE FOR 'T' BAR OR DRYWALL MOUNTING. C/W VOLUME DAMPER AT DIFFUSER NECK	B12 WHITE POWDER COAT FINISH
E	SCDA	300MMX300MM SQUARE CONE DIFFUSER, STEEL CONSTRUCTION, FULLY ADJUSTABLE AIR PATTERN CONTROLLER, SUITABLE FOR 'T' BAR OR DRYWALL MOUNTING. C/W VOLUME DAMPER AT DIFFUSER NECK	B12 WHITE POWDER COAT FINISH
F		ARCHITECTURAL PLENUM SLOT DIFFFUSER. DIFFUSER BY ARCHITECTURAL DIVISION. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.	COLOUR SHALL BE SELECTED BY ARCHITECT/ INTERIOR DESIGNER
G	AS	ADJUSTA-SLOT, 1 SLOT - 4 FEET LONG, 1" SLOT WDTH, CONCEALED MOUNTING FRAME, HORIZONTAL AIR PATTERN, C/W 4FT LONG STRAIGHT ENGINEERED PLENUM (CFP) WITH CABLE OPERATED DAMPER (VCR8EC) MOUNTED AT DIFFUSER NECK. PROVIDE SIGHT BAFFLE ON ALL INACTIVE AIR SLOTS.	B12 WHITE POWDER COAT FINISH

			W	ALLFII	N H	EATE:	R SCI	HEDULE		BASIS OF DESIGN: EQUAL IN: ENG. AIR,	
}	TYPE	MODEL	ENCLOSURE (mm) (LxHxW)	TUBE SIZE DIA (mm)					RETURN WATER TEMP. (°C)	AVERAGE WATER TEMPERATURE (*C)	WALLFIN ELEMENT LENGTH (mm)
·1	HYDRONIC	SIBG5-3/4C,4-1/4,48	750x500x140	20	2	995	0.18	60	48.9	54.5	1000
·2	HYDRONIC	SIBG5-3/4C,4-1/4,48	500x500x140	20	2	995	0.18	60	48.9	54.5	750
ES	<u>:</u>										

- REFER TO FLOOR PLANS FOR QUANTITIES OF WALL-FIN ELEMENTS. . HEATING CAPACITIES BASED ON ENTERING AIR TEMPERATURE OF 18°C.
- 3. REFER TO MECHANICAL DETAILS FOR VALVING ARRANGEMENTS.
- PROVIDE RITTLING SIBG 750mm LONG (MAX.) ARCHITECTURAL TYPE ENCLOSURE CABINETS (16 GAUGE) FOR 108mmx108mm WALL-FIN HEATING ELEMENTS AND EXPOSED PIPE c/w SLOPED TOP, PENCIL-PROOF GRILLE, AND CUSTOMIZÉD ANGLES BETWEEN CABINETS TO MAINTAIN CONTINUOUS RUN ALONG CURVED PERIMETER WALL FROM COLUMN TO COLUMN. PROVIDÉ ALL REQUIRED ACCESSORIES AND FITTINGS TO FACILITATE INSTALLATION IN CURVED PERIMETER WALL. CABINETS SHALL ONLY END WHERE THERE IS A RAIN WATER LEADER BEHIND PERIMETER COLUMN. COORDINATE LENGTHS OF CABINETS ON SITE WITH EXISTING SITE CONDITIONS - LENGTH OF CABINETS, WHERE IT IS INSTALLED, SHALL BE BE NO MORE THAN HALF THE WIDTH OF GLAZING FROM MULLION TO MULLION. CABINET LENGTHS ALONG CURVED WALLS TO BE SITE MEASURED TO AVOID GAPS BETWEEN CABINET AND WALL. WHERE GAPS DO EXIST THAT ARE GREATER THAN 1/2" WIDE CONTRACTOR SHALL PROVIDE IN-FILL PLATE TO CLOSE OFF GAP. IN-FILL PLATES SHALL BE POWDER COATED TO MATCH RAD ENCLOSURE. PROVIDE SAMPLE OF CABINET TO OWNER FOR THEIR REVIEW AND APPROVAL; UPON RECEIPT OF WRITTEN APPROVAL, SHOP DRAWINGS MAY BE SUBMITTED TO MECHANICAL ENGINEER AND ARCHITECT. REUSE EXISTING 20mm HEATING PIPING LOCATED AT LOW LEVEL. ALL VALVES SHALL BE CONCEALED WITHIN CABINETS.
- PROVIDE MODULATING 2-WAY CONTROL VALVE WITH STATUS INDICATION FOR HEATING WATER SUPPLY PIPE AND CIRCUIT BALANCING VALVE FOR HEATING WATER RETURN PIPE c/w ISOLATION

PLUMBING FIXTURE F	PIPING	S SCH	EDULE	
	WATER S	SUPPLY		
FIXTURE TYPE	НОТ	COLD	DRAIN	VENT
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
			, and the second	

- 1"ø 3"ø 1-1/2"ø

2"ø

1-1/2**"**ø

NOTES:

URINAL (FLUSH VALVE)

FLOOR / HUB DRAIN

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 CONFIRM TO OBC 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

FIXTURES, THERMOSTATIC MASTER WATER MIXING CONTROL VALVE, NICKEL PLATED FINISH, LEAD FREE BRASS BODY CONSTRUCTION, TO

DESIRED SET POINT IS REACHED, THE TEMPERATURE IS ADJUSTED WITH THE HELP OF SPINDLE, 3/8" MNPT (9.5 MM) INLET, 3/8" MNPT

PRESSURE, ±20% PRESSURE VARIATION, 3 GPM (11 LPM) TEMPERED FLOWRATE @ 5 PSI PRESSURE DROP, 7 GPM FLOWRATE @ 45 PSI."

* PROVIDE ISOLATION VALVES FOR BOTH HOT & COLD WATER PIPING FOR EACH FAUCET. ISOLATION VALVE SHALL BE "DAHL" BALL MINI

(9.5 MM) OUTLET, INTERNAL CHECKS, ASSE 1070 APPROVED CERTIFIED TO CSA B125.3 FOR ASSE 1070 APPLICATIONS, 95-115T OUTLET

SHOULD BE ROTATED-CLOCKWISE TO REDUCE THE TEMPERATURE, COUNTER-CLOCKWISE TO INCREASE THE TEMPERATURE UNTIL THE

WATER TEMPERATURE RANGE, OFFERS CHOICE OF TEMPERATURE SETTINGS FROM 95° THROUGH 115°F., 125 PSI MAX HYDROSTATIC

ADJUST THE MIXED OUTLET TEMPERATURE OF THE VALVE, REMOVE THE CAP TO GAIN ACCESS TO THE ADJUSTING SPINDLE. THE SPINDLE

6. PROVIDE ISOLATION VALVES ON INCOMING PLUMBING PIPING. 7. ALL FLOOR DRAINS, FUNNEL FLOOR DRAINS, AND STANDING WASTE PIPES SHALL BE PRIMED.

		M-501	PARTIAL 4TH FLOOR AREA 'B' — CONTROLS LAYOUT	1:100
		M-502	PARTIAL 4TH FLOOR AREA 'C' — CONTROLS LAYOUT	1:100
PLUMBING FIXTU	RE SPEFICATIONS			
SHALL BE LOVAIR MONOLITH BASIN C/W TWO (2) SETS OF LOVAIR RIBBON SERIES (LR010 RIBBON SOAP DISPENSER, L-R-020 RIBBON SENSOR TAP, FINISH TO BE STAINLESS STEEL. * FOR EXACT SIZE AND COLOUR OF BASIN, REFER TO ARCHITECTURAL DRAWINGS. * LAVATORY SHALL ONLY BE INSTALLED BY LOVAIR TRAINED PERSONNEL. * P-TRAP SHALL BE HEAVY CAST BRASS ADJUSTABLE TRAP WITH CLEANOUT PLUG ON THE BOTTOM OF THE TRAP. * FAUCET, HAND SOAP DISPENSER TO BE INSTALLED BY MECHANICAL TRADES AND ELECTRICAL CONNECTION BY DIV. 16. INSTALLATION SHALL ONLY PROCEED WITH YORK REGION'S PM APPROVAL & DIRECTIONS. * TWO (2) SETS OF TEMPERATURE MIXING VALVE TO SERVE EACH FAUCETS; LAWLER #570-86820, POINT OF USE AND MASTER CONTROLLED	GAL TO 1.0 US GAL) PER FLUSH, WA MM (3/4") DIA. TOP SPUD, ELONGATE PLATED, NON-METALLIC STRAINER, WI SFSM HW, EXPOSED FLUSHOMETER FO TYPE WITH DUAL FILTER BY-PASS, IN	OWISE #6590.00 LL HUNG, EXTEN ED RIM, INTEGRA HITE FINISH. SLO R TOP SPUD UR FRARED SENSOR	D - NO TOUCH - HARDWRED 1.020 URINAL, VITREOUS CHINA, OPERATES IN THE RANGE OF 0.5 L TO 3.8 IDED SIDES FOR PRIVACY, WASHDOWN ACTION, WASHBROOK FLOWISE, FLUSHII LL P-TRAP, OUTLET CONNECTION 51 MM (2"), 2 WALL HANGERS, #7301242- DAN ROYAL (SINGLE FLUSH SIDE MOUNT) #ROYAL (SINGLE FLUSH SIDE MOUNT) RINAL, 0.5 L (0.125 US GAL) FACTORY SET FLOW, QUIET ACTION 'PERMEX' D R, CIRCUITRY, TRUE MECHANICAL OVER-RIDE BUTTON, SCREWDRIVER BAK-CH JBE FOR 292 MM (11-1/2") ROLIGH-IN HIGH PRESSURE VACIUUM BREAKER.	NG RIM, 19 100 CHROME I) 186-0.125 IAPHRAGM EK ANGLE

- <u>'WC-1'</u> WALL HUNG TOILET VITREOUS CHINA FOR FLUSH VALVE EXPOSED NO TOUCH HARDWIRED AMERICAN STANDARD AFWALL MILLENNIUM FLOWISE ELONGATED #3351101.020 HET TOILET, VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE WHICH INHIBITS THE GROWTH OF STAIN AND ODOR CAÜSING BACTERIA MOLD AND MILDEW, ELONGATED BOWL, WHITE FINISH, WALL HUNG, SIPHON JET FLUSH ACTION, OPERATES IN THE RANGE OF 4.2 L TO 6 L (1.1 US GAL TO 1.6 US GAL) PER FLUSH, CONDENSATE CHANNEL, 305 MM X 254 MM (12" X 10") WATER SURFACE, SIPHON JET FLUSH ACTION, CONDENSATE CHANNEL, ELONGATED BOWL, 54 MM (2-1/8") FULLY GLAZED INTERNAL TRAPWAY. TOILET SEAT NOT INCLUDED. 38 MM (1-1/2") DIA. TOP SPUD. CENTOCO #500STSCC.001 TOILET SEAT, HEAVY DUTY, FOR ELONGATED BOWL, OPEN FRONT, SOLID PLASTIC, LESS COVER. STAINLESS STEEL CHECK HINGES, METAL FLAT WASHERS STAINLESS STEEL POSTS AND NUTS. AMERICAN STANDARD SELECTRONIC #606B.121, 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 WIPER SPRING PREVENTS CLOGGING, PROXIMITY FLUSH VALVE WITH PROGRAMMABLE, MULTI-FUNCTION INFRARED SENSOR, TRUE MECHANICAL OVER-RIDE BUTTON, 1" IPS BAK-CHEK ANGLE 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, AC POWERED (HARD WIRED). AMERICAN STANDARD #PKOO.HAC, HARDWIRED HARDWIRED AC - POWER KIT, INCLUDES 10' LONG EXTENSION CABLE. WATTS #ISCA-101-M11 SINGLE HORIZONTAL ADJUSTABLE TOILET CARRIER, MOUNTED ON CONCRETE FLOOR, ALL EPOXY COATED CAST IRON FITTING, ADJUSTABLE ABS SLIDE NIPPLE WITH INTEGRAL TEST CAP AND NEOPRENE BOWL GASKET, WASTED PLATED HARDWARE, CHROME CAP NUTS, TILING FRAME, 102 MM (4") NO HUB WASTE, 51 MM (2") NO HUB VENT, 158.8 KG (350 LBS) STATIC LOAD. 305 MM (12") FINISHED METAL STUD WALL TO BACK OF PIPE SPACE. CHAMPION MI-X SERIES #MI-XHUB DRAIN COUPLING, COUPLING, NO-HUB, TYPE 304 AISI STAINLESS STEEL BAND, TYPE 304 AISI STAINLESS STEEL EYELET, ELASTOMERIC COMPOUND GASKET MEETING THE REQUIREMENTS OF ASTM C-564. TYPE 304 AISI STAINLESS STEEL SHIELD: PAINTED RED FOR EASY IDENTIFICATION. TESTED TO MAINTAIN 15 PSI MAXIMUM LINE PRESSURE AT 80 INCH LB MIN TO 100 INCH LB MAXIMUM TORQUE BOLT TIGHTNESS, TESTED BY IAPMO TO COMPLY TO FM 1680-1989 STANDARD (EXCEPT FOR MARKINGS) AND CSA B602-2010 STANDARD (UP TO 10"). THEY ARE TESTED AND CERTIFIED TO ASTM C1540-2011 STANDARD, PER OSHPD CODE APPLICATION NOTICE 5-311.9 REVISED 6/29/2011, SIGNED BY PAUL COLEMAN; SECTION I (A) STATES THAT: "THE USE OF COUPLINGS THAT HAVE BEEN TESTED TO CONFORM TO THE PERFORMANCE REQUIREMENTS OF FM APPROVALS, APPROVAL STANDARD 1680, CLASS I, BY FM APPROVALS OR BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING AGENCY" ARE
- <u>'WC-2'</u> WALL HUNG TOILET VITREOUS CHINA FOR FLUSH VALVE EXPOSED NO TOUCH HARDWIRED AMERICAN STANDARD AFWALL MILLENNIUM FLOWISE ELONGATED #3351101.020 HET TOILET, VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE WHICH INHIBITS THE GROWTH OF STAIN AND ODOR CAUSING BACTERIA MOLD AND MILDEW, ELONGATED BOWL, WHITE FINISH, WALL HUNG, SIPHON JET FLUSH ACTION, OPERATES IN THE RANGE OF 4.2 L TO 6 L (1.1 US GAL TO 1.6 US GAL) PER FLUSH, CONDENSATE CHANNEL, 305 MM X 254 MM (12" X 10") WATER SURFACE, SIPHON JET FLUSH ACTION, CONDENSATE CHANNEL, ELONGATED BOWL, 54 MM (2-1/8") FULLY GLAZED INTERNAL TRAPWAY, TOILET SEAT NOT INCLUDED, 38 MM (1-1/2") DIA. TOP SPUD. CENTOCO #500STSCC.001 TOILET SEAT, HEAVY DUTY, FOR ELONGATED BOWL, OPEN FRONT, SOLID PLASTIC, LESS COVER, STAINLESS STEEL CHECK HINGES, METAL FLAT WASHERS STAINLESS STEEL POSTS AND NUTS. AMERICAN STANDARD SELECTRONIC #606B.121, 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 WIPER SPRING PREVENTS CLOGGING, PROXIMITY FLUSH VALVE WITH PROGRAMMABLE, MULTI-FUNCTION INFRARED SENSOR, TRUE MECHANICAL OVER-RIDE BUTTON. 1" IPS BAK-CHEK ANGLE 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, AC POWERED (HARD WIRED). AMERICAN STANDARD #PKOO.HAC, HARDWIRED HARDWIRED AC - POWER KIT, INCLUDES 10' LONG EXTENSION CABLE. WATTS #ISCA-101-M11 SINGLE HORIZONTAL ADJUSTABLE TOILET CARRIER, MOUNTED ON CONCRETE FLOOR, ALL EPOXY COATED CAST IRON FITTING, ADJUSTABLE ABS SLIDE NIPPLE WITH INTEGRAL TEST CAP AND NEOPRENE BOWL GASKET, WASTED PLATED HARDWARE, CHROME CAP NUTS, TILING FRAME, 102 MM (4") NO HUB WASTE, 51 MM (2") NO HUB VENT, 158.8 KG (350 LBS) STATIC LOAD. 305 MM (12") FINISHED METAL STUD WALL TO BACK OF PIPE SPACE. CHAMPION MI-X SÉRIES #MI-XHUB DRAIN COUPLING. COUPLING. NO-HUB, TYPE 304 AISI STAINLESS STEEL BAND, TYPE 304 AISI STAINLESS STEEL EYELET, ELASTOMERIC COMPOUND GASKET MEETING THE REQUIREMENTS OF ASTM C-564, TYPE 304 AISI STAINLESS STEEL SHIELD; PAINTED RED FOR EASY IDENTIFICATION, TESTED TO MAINTAIN 15 PSI MAXIMUM LINE PRESSURE AT 80 INCH LB MIN TO 100 INCH LB MAXIMUM TORQUE BOLT TIGHTNESS, TESTED BY IAPMO TO COMPLY TO FM 1680-1989 STANDARD (EXCEPT FOR MARKINGS) AND CSA B602-2010 STANDARD (UP TO 10"). THEY ARE TESTED AND CERTIFIED TO ASTM C1540-2011 STANDARD. PER OSHPD CODE APPLICATION NOTICE 5-311.9 REVISED 6/29/2011, SIGNED BY PAUL COLEMAN; SECTION I (A) STATES THAT: "THE USE OF COUPLINGS THAT HAVE BEEN TESTED TO CONFORM TO THE PERFORMANCE REQUIREMENTS OF FM APPROVALS, APPROVAL STANDARD 1680, CLASS I, BY FM APPROVALS OR BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING AGENCY" ARE
- 3.8 L (0.125 US USHING RIM, 19 242-100 CHROME IOUNT) 186-0.125 'DIÁPHRAGM STOP WITH FREE-SPINNING V.P. STOP CAP, FLUSH TUBE FOR 292 MM (11-1/2") ROUGH-IN, HIGH PRESSURE VACUUM BREAKER. SLOAN #EAF-37, BOX MOUNT HARDWIRED TRANSFORMER, 120 VAC/ 6 VDC. WATTS #CA-321 FIXTURE CARRIER, MOUNTED ON CONCRETE FLOOR, STEEL HANGER PLATE, HEAVY GAUGE EPOXY COATED STEEL 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 STUD WALL TO BACK OF PIPE SPACE. WATTS #WUCO URINAL WALL ACCESS CLEANOUT, TWO (2) PIECE EXPANDABLE PLUG WITH 102 MM (4") DIAMETER STAINLESS STEEL ACCESS COVER, SECURED WITH VANDAL PROOF STAINLESS STEEL SCREW. CHAMPION MI-X SERIES #MI-XHUB DRAIN COUPLING, COUPLING, NO-HUB, TYPE 304 AISI STAINLESS STEEL BAND, TYPE 304 AISI STAINLESS STEEL EYELET. ELASTOMERIC COMPOUND GASKET MEETING THE REQUIREMENTS OF ASTM C-564. TYPE 304 AISI STAINLESS STEEL SHIELD; PAINTED RED FOR EASY IDENTIFICATION, TESTED TO MAINTAIN 15 PSI MAXIMUM LINE PRESSURE AT 80 INCH LB MIN TO 100 INCH LB MAXIMUM TORQUE BOLT TIGHTNESS, TESTED BY IAPMO TO COMPLY TO FM 1680-1989 STANDARD (EXCEPT FOR MARKINGS) AND CSA B602-2010 STANDARD (UP TO 10"). THEY ARE TESTED AND CERTIFIED TO ASTM C1540-2011 STANDARD. PER OSHPD CODE APPLICATION NOTICE 5-311.9 REVISED 6/29/2011, SIGNED BY PAUL COLEMAN; SECTION I (A) STATES THAT: "THE USE OF COUPLINGS THAT HAVE BEEN TESTED TO CONFORM TO THE PERFORMANCE REQUIREMENTS OF FM APPROVALS, APPROVAL STANDARD 1680, CLASS I, BY FM APPROVALS OR BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING AGENCY" ARE ACCEPTABLE
- COUNTERTOP MOUNT SINK SINGLE HANDLE FAUCET POINT OF USE THERMOSTATIC WATER MIXING VALVE FRANKE COMMERCIAL #ALBS7306P-1/1 SINGLE BOWL COUNTERTOP MOUNT SINK, 1 HOLE, 651 MM (25-5/8") WIDE X 560 MM (22-1/16") LONG X 152 MM (6") HIGH DEEP, COUNTER MOUNTED, BACKLEDGE, GRADE 18-10 18 GA. (1.2 MM) TYPE 304 STAINLESS STEEL, SELF-RIMMING, SÀTIN FINISH RIM AND BOWLS, MOUNTING KIT PROVIDED, FULLY UNDERCOATED TO REDUCE CONDENSATION AND RESONANCE, FACTORY APPLIED RIM SEAL, 3-1/2" (89 MM) CRUMB CUP WASTE ASSEMBLY WITH 1-1/2" (38 MM) TAILPIECE. CHICAGO FAUCETS #430-ABCP SINGLE HANDLE FAUCET, CHROME PLATED FINISH, CENTÉR HÔLE ONLY, ECAST CONSTRUCTION LEAD FREE (EQUAL OR LESS THAN 0.25%) ECAST BRASS CONSTRUCTION, VOLUME CONTROL AND HOT WATER LIMIT STOP CARTRIDGE, 5.7 LPM (1.5 GPM) PRESSURE COMPENSATING LAMINAR FLOW (NON-AERATING) OUTLET, 241 MM (9-1/2") PROJECTION RIGID CAST BRASS SPOUT, SINGLE METAL LEVER HANDLE. LAWLER #570-86820, POINT OF USE THERMOSTATIC WATER MIXING VALVE, NICKEL PLATED BRONZE BODY, TEMPERATURE ADJUSTING SPINDLE, 10 MM (3/8") INLETS AND OUTLET FNPT CONNECTIONS, INTEGRAL CHECKS, OFFER TEMPERATURE RANGE BETWEEN 35 ℃ (95 F) AND 46 C (114.8 F). SET VALVE TEMPERATURE AT 46 C (114.8 F). PROVIDE TEE, ADAPTORS AND FLEX. COPPER TUBING TO SUIT INSTALLATION. PROVIDE TEMPERED WATER TO HOT SIDE OF FAUCET. MCGUIRE #LFBV170 FAUCET SUPPLIES, CHROME PLATED FINISH POLISHED BRASS, COMMERCIAL DUTY 1/4 TURN BALL VALVE ANGLE STOPS, 13 MM (1/2") I.D. INLET X 127 MM (5") HORIZONTAL EXTENSION TUBES, CONVERTIBLE 1/4 TURN/LOOSE KEY HANDLES, ESCUTCHEON AND FLEXIBLE COPPER RISERS. MCGUIRE #8912CB P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY. WITH SLIP NUT. 38 MM (1-1/2") SIZE, BOX FLANGE AND SEAMLESS TUBULAR WALL BEND. MCGUIRE PROWRAP #PW2000 SANITARY COVERING VANDAL—RESISTANT, FLÈXIBLE SEAMLESS MOULDED CLOSED—CELL PVC RESIN, FORMULATED WITH ANTI-MICROBIAL ADDITIVE TO LIMIT THE GROWTH OF FUNGUS AND BACTERIA, TO EXPOSED PIPING (TO PROTECT AGAINST HEAT/CONTUSIONS) AS PER LOCAL

M-103	SCHEMATIC DIAGRAM	N.T.S.			
M-104	MECHANICAL DETAILS	N.T.S.			
M-200	PARTIAL 3RD FLOOR CEILING SPACE AREA 'A' — MECHANICAL DEMOLITION PLAN	1:100			
M-201	PARTIAL 3RD FLOOR CEILING SPACE AREA 'B' — MECHANICAL DEMOLITION PLAN	1:100	SUBMISSION	DATE	DESCRIPTION
M-202	PARTIAL 3RD FLOOR CEILING SPACE AREA 'C' — MECHANICAL DEMOLITION PLAN		1	03-14-2022	ISSUED FOR 60% REVIEW
			2	04-26-2022	ISSUED FOR 80% REVIEW
M-203	PARTIAL 4TH FLOOR AREA 'A' — HVAC DEMOLITION PLAN	1:100	3	05-31-2022	ISSUED FOR 97% REVIEW
M-204	PARTIAL 4TH FLOOR AREA 'B' — HVAC DEMOLITION PLAN	1:100	4	06-13-2022	ISSUED FOR TENDER
M-205	PARTIAL 4TH FLOOR AREA 'C' — HVAC DEMOLITION PLAN	1:100			
M-206	PARTIAL 3RD FLOOR AREA 'A' — MECHANICAL NEW LAYOUT	1:100	G.Bruc	e Stratto	n Architects
M-207	PARTIAL 3RD FLOOR AREA 'B' — MECHANICAL NEW LAYOUT	1:100			Vest, Suite 300
M-208	PARTIAL 3RD FLOOR AREA 'C' — MECHANICAL NEW LAYOUT	1:100	telephone	Ontario M5V 1 e: 416.351.81	45
M-209	PARTIAL 4TH FLOOR AREA 'A' — HVAC NEW LAYOUT	1:100	racsimile:	416.351.814	0
M-210	PARTIAL 4TH FLOOR AREA 'B' — HVAC NEW LAYOUT	1:100			
M-211	PARTIAL 4TH FLOOR AREA 'C' — HVAC NEW LAYOUT	1:100			
M-300	PARTIAL 4TH FLOOR AREA 'A' — PLUMBING & FIRE PROTECTION DEMOLITION PLAN	1:100			

DRAWING LIST

DESCRIPTION

PARTIAL 4TH FLOOR AREA 'B' - PLUMBING & FIRE PROTECTION

PARTIAL 4TH FLOOR AREA 'C' — PLUMBING & FIRE PROTECTION

PARTIAL 4TH FLOOR AREA 'A' — PLUMBING & FIRE PROTECTION

PARTIAL 4TH FLOOR AREA 'B' — PLUMBING & FIRE PROTECTION

PARTIAL 4TH FLOOR AREA 'C' — PLUMBING & FIRE PROTECTION

M-306 4TH FLOOR WASHROOMS - MECHANICAL DEMOLITION PLAN

M-307 4TH FLOOR WASHROOMS - MECHANICAL NEW LAYOUT

M-400 PARTIAL 4TH FLOOR AREA 'A' - HYDRONIC NEW LAYOUT

M-401 PARTIAL 4TH FLOOR AREA 'B' - HYDRONIC NEW LAYOUT

M-402 PARTIAL 4TH FLOOR AREA 'C' - HYDRONIC NEW LAYOUT

M-500 PARTIAL 4TH FLOOR AREA 'A' - CONTROLS LAYOUT

M-100 | MECHANICAL LEGEND AND EQUIPMENT SCHEDULE

M-101 SCHEMATIC DIAGRAM

M-102 | SCHEMATIC DIAGRAM

M - 304

DEMOLITION PLAN

NEW LAYOUT

SCALE

N.T.S.

N.T.S.

1:100

1:100

AS NOTED

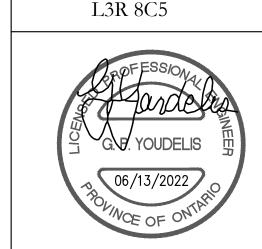
AS NOTED

1:100

1:100

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GPY

90C Centurian Drive

Markham, Ontario



Associates Engineering Inc.

Tel: 905 475 3138

Fax: 866 853 3732

@gpyengineering.com

email: engineering

PROPERTY SERVICES

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

PROJECT:

PROJECT #9907

YORK REGION

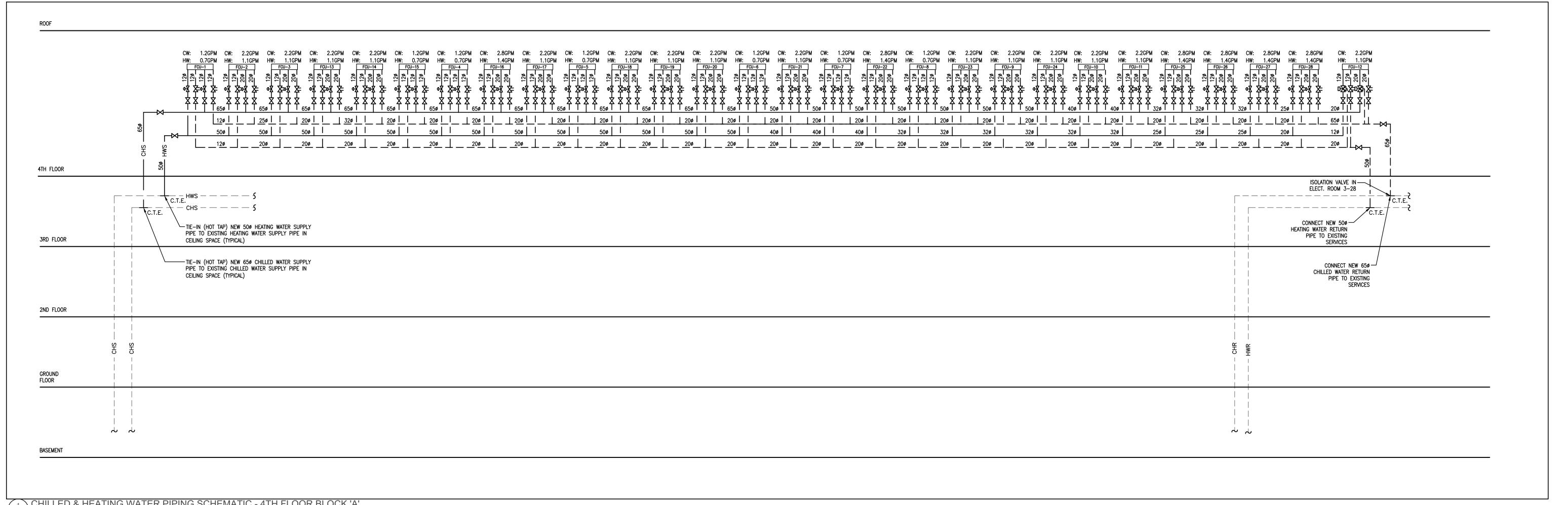
Administrative Centre 17250 Yonge Street Newmarket, Ontario

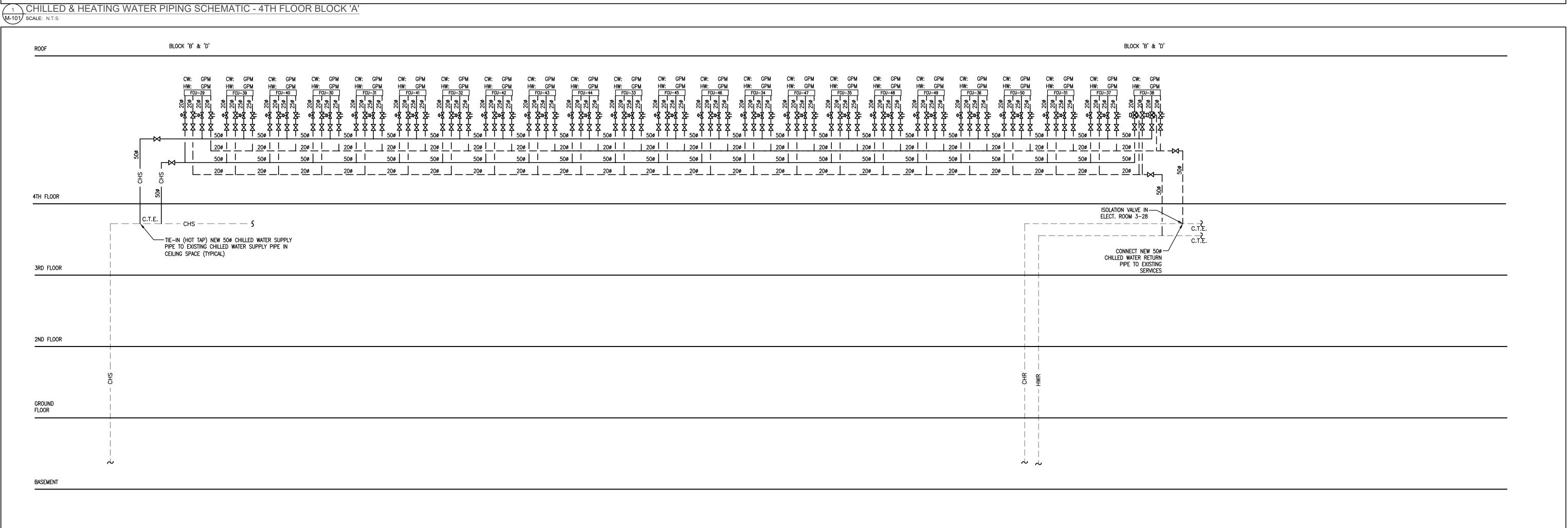
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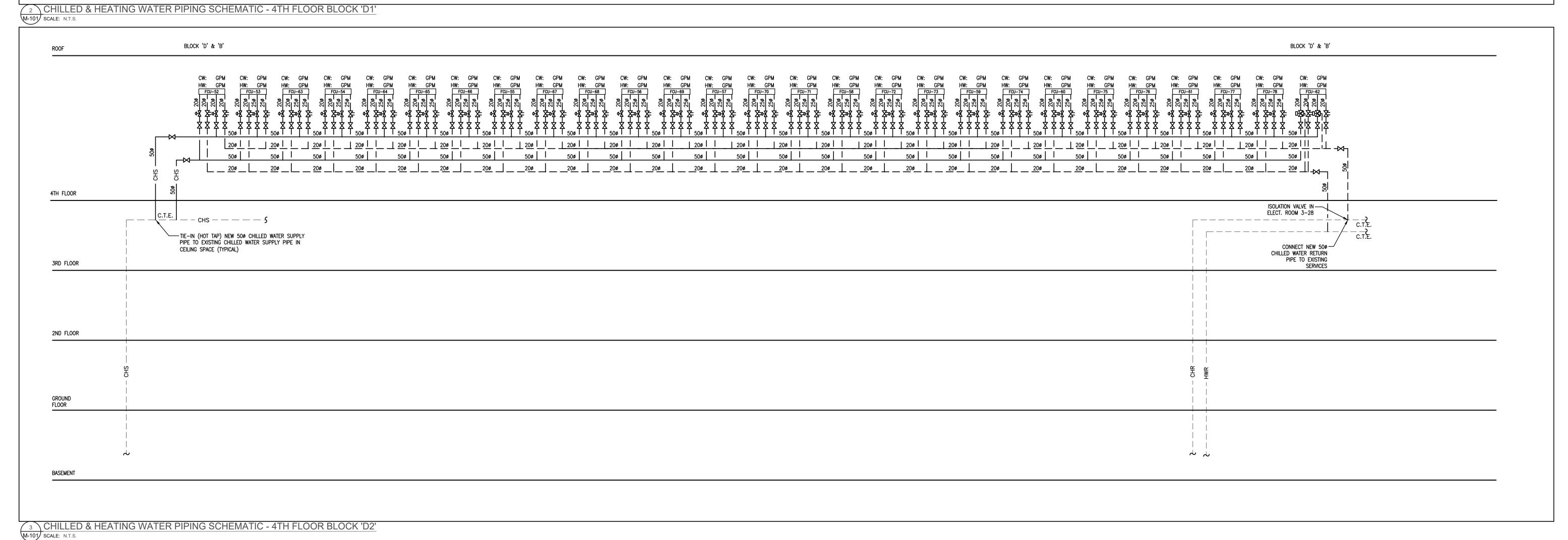
S.P.R./G.G.

MUNICIPALITY OF YORK SUBMITTED TO: SHEET TITLE:

MECHANICAL LEGEND, SCHEDULE & DRAWING LIST







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

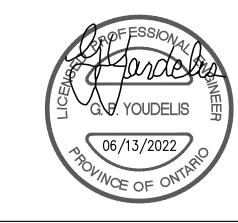
217 Richmond Street West, Suite 300 Toronto Ontario M5V 1W2 telephone: 416.351.8145 facsimile: 416.351.8146



90C Centurian Drive Tel: 905 475 3138

Markham, Ontario L3R 8C5

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





PROPERTY SERVICES

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

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

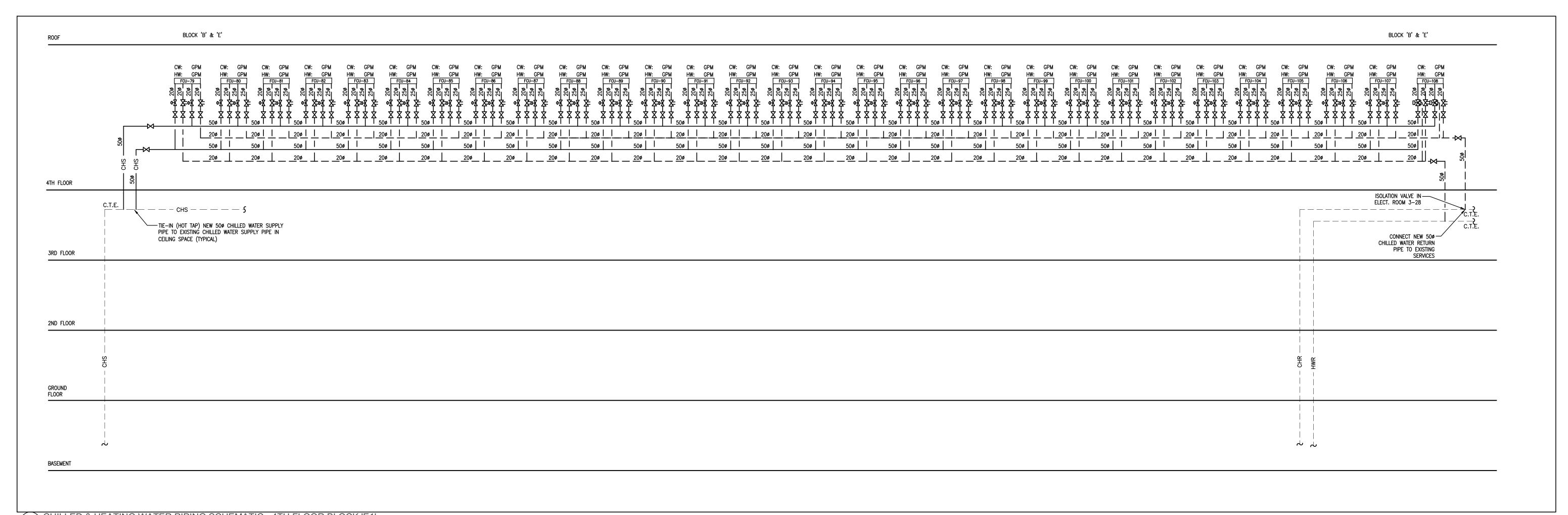
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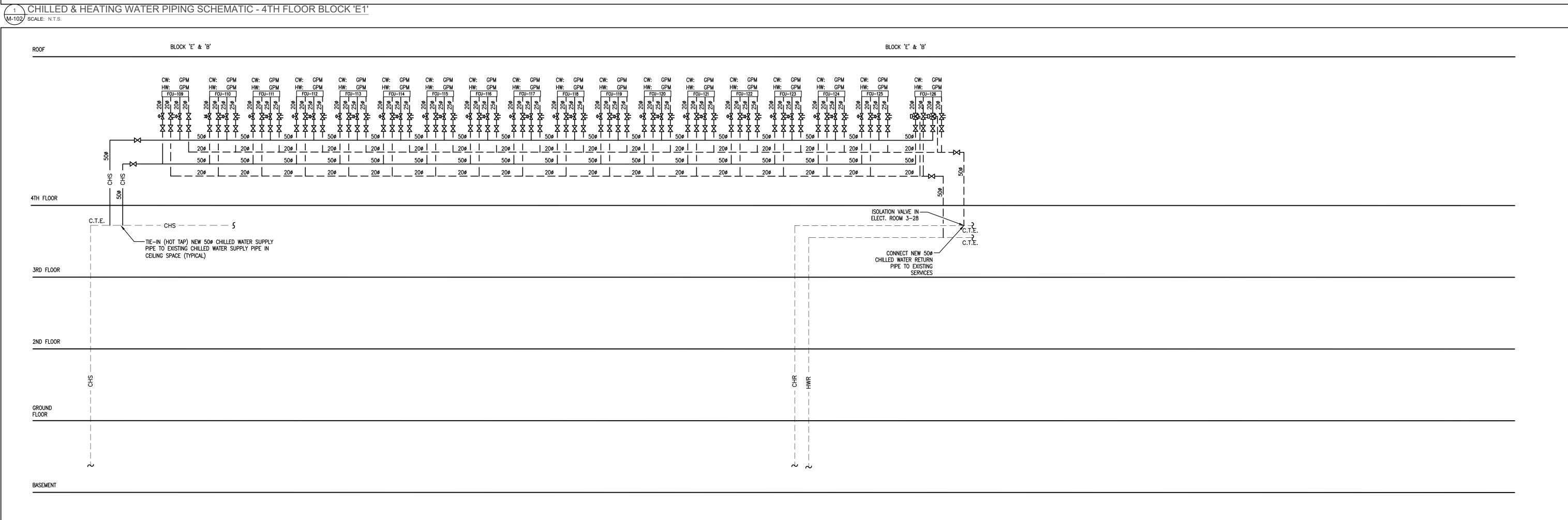
S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

SCHEMATIC DIAGRAM





2 CHILLED & HEATING WATER PIPING SCHEMATIC - 4TH FLOOR BLOCK 'E2'
M-102 SCALE: N.T.S.

03-14-2022 | ISSUED FOR 60% REVIEW 04-26-2022 | ISSUED FOR 80% REVIEW 05-31-2022 | ISSUED FOR 97% REVIEW 06-13-2022 ISSUED FOR TENDER

DESCRIPTION

G.Bruce Stratton Architects

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

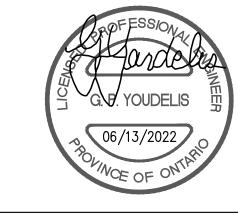
SUBMISSION DATE



90C Centurian Drive Tel: 905 475 3138

Markham, Ontario L3R 8C5

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





PROPERTY SERVICES

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

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

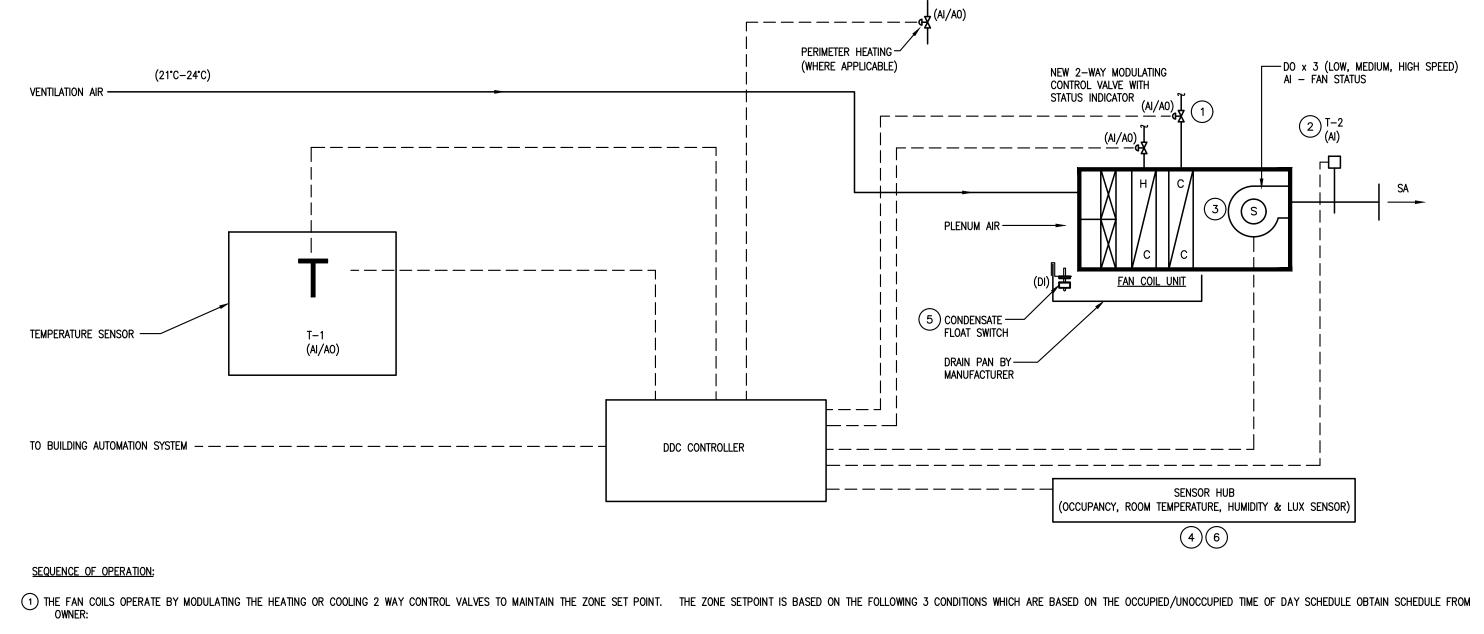
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S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

SCHEMATIC DIAGRAM



a. UNOCCUPIED MODE: WHEN THE TIME OF DAY SCHEDULE IS INACTIVE, THE FAN COIL UNIT IS OFF. IF THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SETPOINT (INITIALLY SET AT 26°C, ADJUSTABLE), THE FAN COIL UNIT IS STARTED AND OPERATES ON LOW SPEED. THE CHILLED WATER CONTROL VALVE IS MODULATE FULLY OPEN AND REMAINS OPEN UNTIL THE ZONE TEMPERATURE DROPS BELOW THE NIGHT COOLING SET POINT BY MORE THAN 1°C (ADJUSTABLE). AT THIS TIME, THE COOLING VALVE IS CLOSED AND THE FAN IS STOPPED. IF THE ZONE TEMPERATURE DROPS BELOW THE UNOCCUPIED HEATING SETPOINT OF 16°C (ADJUSTABLE), THE PERIMETER HEATING CONTROL VALVE IS FULLY MODULATED OPEN TO RAISE THE ZONE TEMPERATURE UNTIL THE ZONE TEMPERATURE IS AT LEAST 1°C ABOVE THE UNOCCUPIED HEATING SET POINT. THE FAN COIL FAN b. OCCUPIED MODE: THE OCCUPIED MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB WITHIN THE LEAST 30 MINUTES (ADJUSTABLE). DURING THE OCCUPIED MODE, THE FAN COIL UNIT IS ON AND

HEATING AND COOLING VALVE ARE MODULATED TO MAINTAIN THE ZONE TEMPERATURE TO THE SETPOINT. IN WINTER, THE ZONE SETPOINT IS 22°C AND 24.0°C IN SUMMER (ADJUSTABLE). THE HEATING AND COOLING VALVES ARE SEQUENCE TO PREVENT HEATING AND COOLING AT THE SAME TIME.

C. OCCUPIED STANDBY MODE: THE OCCUPIED STANDBY MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN NO MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB FOR AT LEAST 30 MINUTES (ADJUSTABLE). DURING OCCUPIED STANDBY, THE FAN COIL UNIT IS ON AND THE SPACE TEMPERATURE IS ALLOWED TO FLOAT BEYOND THE REGULVAR OCCUPIED ZONE SET POINT SETTING BY 2℃ (ADJUSTABLE)

(2) SUPPLY AIR DISCHARGE TEMPERATURE SENSOR FROM FAN COIL DISCHARGE IS MONITOR AND THE DATA IS TRENDED.

(3) IF THE FAN STATUS DOES NOT MATCH THE FAN CONTROL, AN ALARM IS GENERATED AT THE BAS.

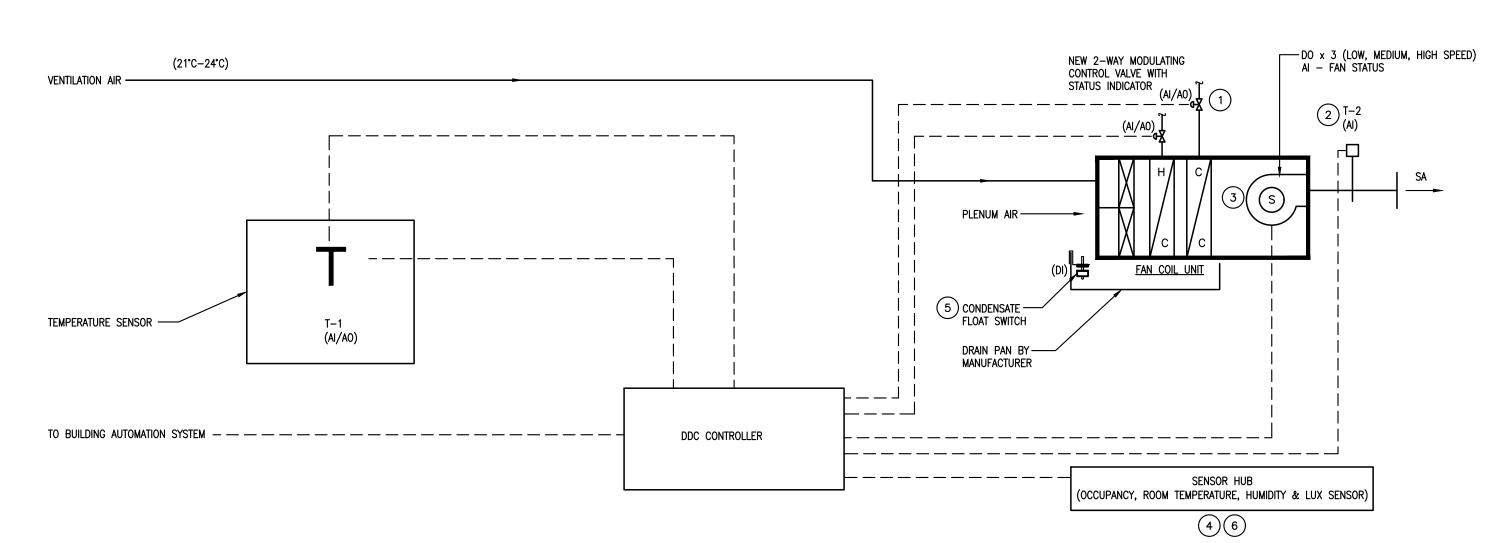
(4) SENSOR HUB MONITORS THE RELATIVE HUMIDITY LEVELS AND THE DATA IS TRENDED.

(5) CONDENSATE OVERFLOW SWITCH AND LEAK DETECTOR SENDS ALARMS TO BMS WHEN WATER IS DETECTED. THE ASSOCIATED FAN COIL UNIT IS STOPPED AND THE CONTROLS VALVES ARE FULLY CLOSED WHEN SENSORS ARE ACTIVATED.

(6) SENSOR HUB MONITORS OCCUPANCY STATUS OF THE ZONE AND THE DATA IS TRENDED.

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

M-103 SCALE: N.T.S.



1) THE FAN COILS OPERATE BY MODULATING THE HEATING AND COOLING 2 WAY CONTROL VALVES TO MAINTAIN THE ZONE SET POINT. THE ZONE SETPOINT IS BASED ON THE FOLLOWING 3 CONDITIONS WHICH ARE BASED ON THE OCCUPIED/UNOCCUPIED TIME OF DAY SCHEDULE OBTAIN SCHEDULE FROM

a. UNOCCUPIED MODE: WHEN THE TIME OF DAY SCHEDULE IS INACTIVE, THE FAN COIL UNIT IS OFF. IF THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SETPOINT (INITIALLY SET AT 26°C, ADJUSTABLE), THE FAN COIL UNIT IS STARTED AND OPERATES ON LOW SPEED. THE CHILLED WATER CONTROL VALVE IS MODULATED FULLY OPEN AND REMAINS OPEN UNTIL THE ZONE TEMPERATURE DROPS BELOW THE NIGHT COOLING SET POINT BY MORE THAN 1°C (ADJUSTABLE). AT THIS TIME, THE COOLING VALVE IS CLOSED AND THE FAN IS STOPPED. b. OCCUPIED MODE; THE OCCUPIED MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB WITHIN THE LEAST 30 MINUTES (ADJUSTABLE). DURING THE OCCUPIED MODE, THE FAN COIL UNIT IS ON AND THE HEATING AND COOLING VALVES ARE MODULATED TO MAINTAIN THE ZONE TEMPERATURE TO THE SETPOINT. IN WINTER, THE ZONE SETPOINT IS 22°C AND 24.0°C IN SUMMER (ADJUSTABLE).

c. OCCUPIED STANDBY MODE: THE OCCUPIED STANDBY MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN NO MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB FOR AT LEAST 30 MINUTES (ADJUSTABLE). DURING OCCUPIED STANDBY, THE FAN COIL UNIT IS ON AND THE SPACE TEMPERATURE IS ALLOWED TO FLOAT BEYOND THE REGULVAR OCCUPIED ZONE SET POINT SETTING BY 2°C (ADJUSTABLE)

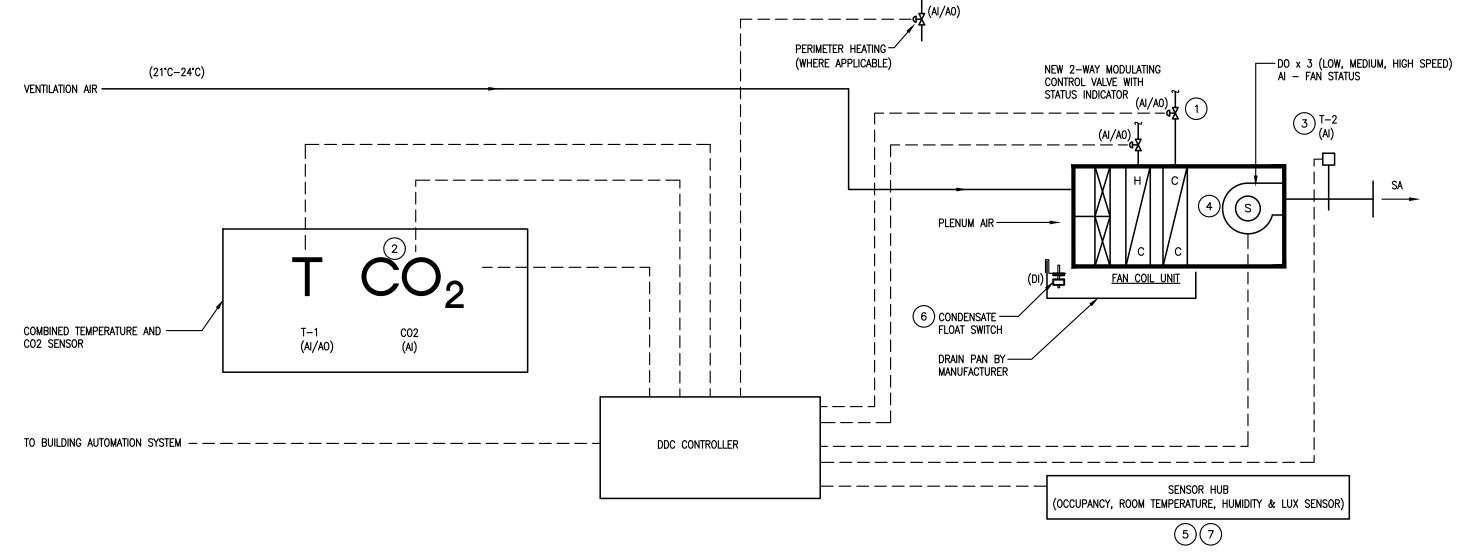
(2) SUPPLY AIR DISCHARGE TEMPERATURE SENSOR FROM FAN COIL DISCHARGE IS MONITOR AND THE DATA IS TRENDED.

(3) IF THE FAN STATUS DOES NOT MATCH THE FAN CONTROL, AN ALARM IS GENERATED AT THE BAS.

(4) SENSOR HUB MONITORS THE RELATIVE HUMIDITY LEVELS AND THE DATA IS TRENDED.

5 CONDENSATE OVERFLOW SWITCH AND LEAK DETECTOR SENDS ALARMS TO BMS WHEN WATER IS DETECTED. THE ASSOCIATED FAN COIL UNIT IS STOPPED AND THE CONTROLS VALVES ARE FULLY CLOSED WHEN SENSORS ARE ACTIVATED. (6) SENSOR HUB MONITORS OCCUPANCY STATUS OF THE ZONE AND THE DATA IS TRENDED.

4 FAN COIL UNITS WITH COOLING/ HEATING & CO2 SENSOR (INTERIOR ZONES)
M-103 SCALE: N.T.S.



1) THE FAN COILS OPERATE BY MODULATING THE HEATING OR COOLING 2 WAY CONTROL VALVES TO MAINTAIN THE ZONE SET POINT. THE ZONE SETPOINT IS BASED ON THE FOLLOWING 3 CONDITIONS WHICH ARE BASED ON THE OCCUPIED/UNOCCUPIED TIME OF DAY SCHEDULE OBTAIN SCHEDULE FROM a. UNOCCUPIED MODE: WHEN THE TIME OF DAY SCHEDULE IS INACTIVE, THE FAN COIL UNIT IS OFF. IF THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SETPOINT (INITIALLY SET AT 26°C, ADJUSTABLE), THE FAN COIL UNIT IS STARTED AND OPERATES ON LOW SPEED. THE CHILLED WATER CONTROL VALVE IS MODULATE FULLY OPEN AND REMAINS OPEN UNTIL THE ZONE TEMPERATURE DROPS BELOW THE NIGHT COOLING SET POINT BY MORE THAN 1°C (ADJUSTABLE). AT THIS TIME, THE COOLING VALVE IS CLOSED AND THE FAN IS STOPPED. IF THE ZONE TEMPERATURE DROPS BELOW THE UNOCCUPIED HEATING SETPOINT OF 16°C (ADJUSTABLE), THE PERIMETER HEATING CONTROL VALVE IS FULLY MODULATED OPEN TO RAISE THE ZONE TEMPERATURE UNTIL THE ZONE TEMPERATURE IS AT LEAST 1°C ABOVE THE UNOCCUPIED HEATING SET POINT. THE FAN COIL FAN b. OCCUPIED MODE: THE OCCUPIED MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB WITHIN THE LEAST 30 MINUTES (ADJUSTABLE). DURING THE OCCUPIED MODE, THE FAN COIL UNIT IS ON AND HEATING AND COOLING VALVE ARE MODULATED TO MAINTAIN THE ZONE TEMPERATURE TO THE SETPOINT. IN WINTER, THE ZONE SETPOINT IS 22°C AND 24.0°C IN SUMMER (ADJUSTABLE). THE HEATING AND COOLING VALVES ARE SEQUENCE TO PREVENT HEATING AND COOLING AT THE SAME TIME. C. OCCUPIED STANDBY MODE: THE OCCUPIED STANDBY MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN NO MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB FOR AT LEAST 30 MINUTES (ADJUSTABLE). DURING OCCUPIED STANDBY, THE FAN COIL UNIT IS ON AND THE SPACE TEMPERATURE IS ALLOWED TO FLOAT BEYOND THE REGULVAR OCCUPIED ZONE SET POINT SETTING BY 2°C (ADJUSTABLE)

(2) THE CO2 SENSOR (REFER TO DRAWINGS FOR CO2 SENSOR LOCATIONS AND QUANTITY) SENDS A SIGNAL TO THE BMS AND THE DATA IS TRENDED.

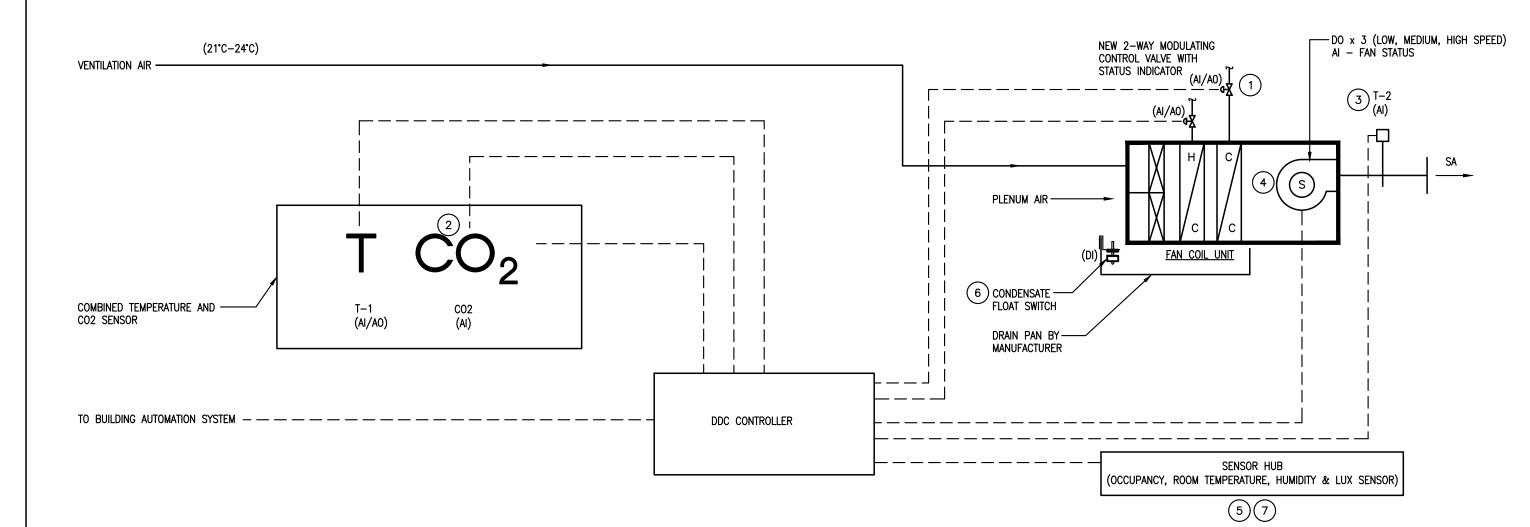
(3) SUPPLY AIR DISCHARGE TEMPERATURE SENSOR FROM FAN COIL DISCHARGE IS MONITOR AND THE DATA IS TRENED.

(4) IF THE FAN STATUS DOES NOT MATCH THE FAN CONTROL, AN ALARM IS GENERATED AT THE BAS. (5) SENSOR HUB MONITORS THE RELATIVE HUMIDITY LEVELS AND THE DATA IS TRENDED.

(6) CONDENSATE OVERFLOW SWITCH AND LEAK DETECTOR SENDS ALARMS TO BMS WHEN WATER IS DETECTED. THE ASSOCIATED FAN COIL UNIT IS STOPPED AND THE CONTROLS VALVES ARE FULLY CLOSED WHEN SENSORS ARE ACTIVATED.

(7) SENSOR HUB MONITORS OCCUPANCY STATUS OF THE ZONE AND THE DATA IS TRENDED.

FAN COIL UNITS WITH COOLING/ HEATING, CO2 SENSOR AND PERIMETER HEATING (WHERE APPLICABLE)



1) THE FAN COILS OPERATE BY MODULATING THE HEATING AND COOLING 2 WAY CONTROL VALVES TO MAINTAIN THE ZONE SET POINT. THE ZONE SETPOINT IS BASED ON THE FOLLOWING 3 CONDITIONS WHICH ARE BASED ON THE OCCUPIED/UNOCCUPIED TIME OF DAY SCHEDULE OBTAIN SCHEDULE FROM a. UNOCCUPIED MODE: WHEN THE TIME OF DAY SCHEDULE IS INACTIVE, THE FAN COIL UNIT IS OFF. IF THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SETPOINT (INITIALLY SET AT 26°C, ADJUSTABLE), THE FAN COIL UNIT IS STARTED AND OPERATES ON LOW SPEED. THE CHILLED WATER CONTROL VALVE IS MODULATED FULLY OPEN AND REMAINS OPEN UNTIL THE ZONE TEMPERATURE DROPS BELOW THE NIGHT COOLING SET POINT BY MORE THAN 1°C (ADJUSTABLE). AT THIS TIME, THE COOLING VALVE IS CLOSED AND THE FAN IS STOPPED. b. OCCUPIED MODE: THE OCCUPIED MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB WITHIN THE LEAST 30 MINUTES (ADJUSTABLE). DURING THE OCCUPIED MODE, THE FAN COIL UNIT IS ON AND THE HEATING AND COOLING VALVES ARE MODULATED TO MAINTAIN THE ZONE TEMPERATURE TO THE SETPOINT. IN WINTER, THE ZONE SETPOINT IS 22°C AND 24.0°C IN SUMMER (ADJUSTABLE). c. OCCUPIED STANDBY MODE: THE OCCUPIED STANDBY MODE IS ACTIVE WHEN THE TIME OF DAY SCHEDULE IS ACTIVE AND THERE HAS BEEN NO MOTION DETECTED FROM THE CEILING MOUNTED SENSOR HUB FOR AT LEAST 30 MINUTES (ADJUSTABLE). DURING OCCUPIED STANDBY, THE FAN COIL

UNIT IS ON AND THE SPACE TEMPERATURE IS ALLOWED TO FLOAT BEYOND THE REGULVAR OCCUPIED ZONE SET POINT SETTING BY 2°C (ADJUSTABLE) 2 THE CO2 SENSOR (REFER TO DRAWINGS FOR CO2 SENSOR LOCATIONS AND QUANTITY) SENDS A SIGNAL TO THE BMS AND THE DATA IS TRENDED.

(3) SUPPLY AIR DISCHARGE TEMPERATURE SENSOR FROM FAN COIL DISCHARGE IS MONITOR AND THE DATA IS TRENED.

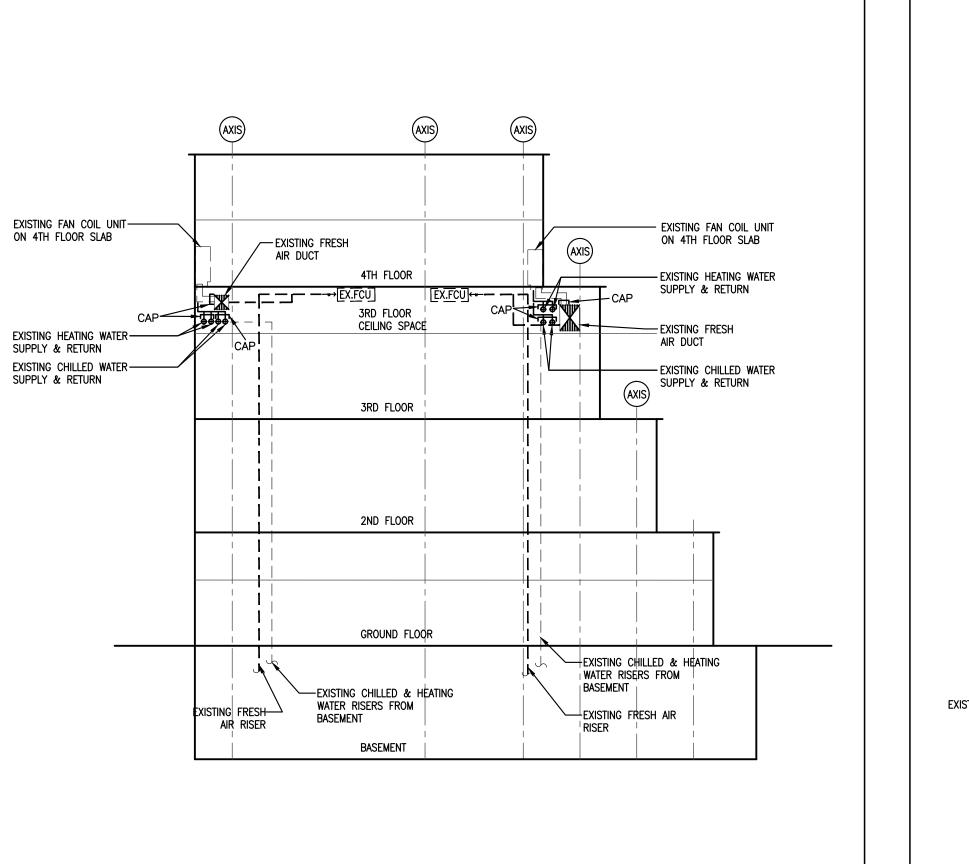
(4) IF THE FAN STATUS DOES NOT MATCH THE FAN CONTROL, AN ALARM IS GENERATED AT THE BAS.

(5) SENSOR HUB MONITORS THE RELATIVE HUMIDITY LEVELS AND THE DATA IS TRENDED.

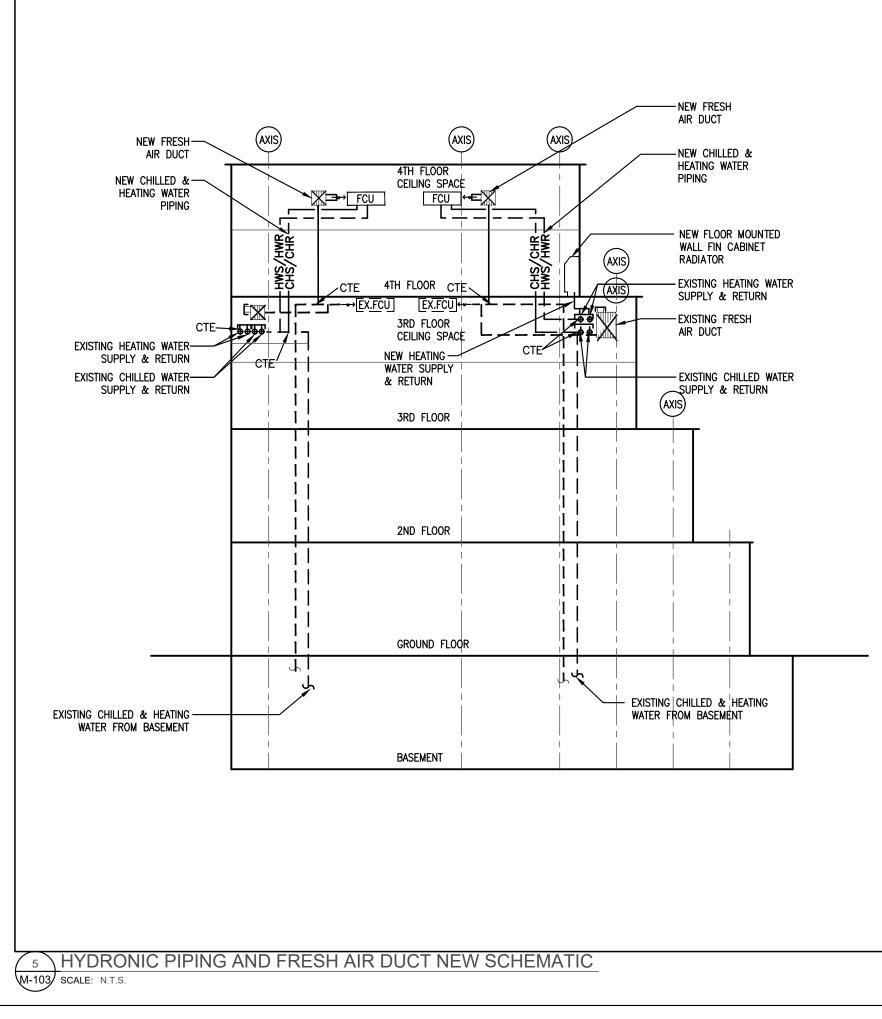
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(7) SENSOR HUB MONITORS OCCUPANCY STATUS OF THE ZONE AND THE DATA IS TRENDED.

2 FAN COIL UNITS WITH COOLING/ HEATING & CO2 SENSOR (INTERIOR ZONES)
M-103 SCALE: N.T.S.



6 HYDRONIC PIPING AND FRESH AIR DUCT EXISTING SCHEMATIC 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

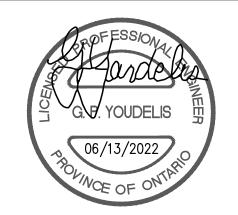
G.Bruce Stratton Architects

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Markham, Ontario

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



L3R 8C5



PROPERTY SERVICES

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

PROJECT:

PROJECT #9907

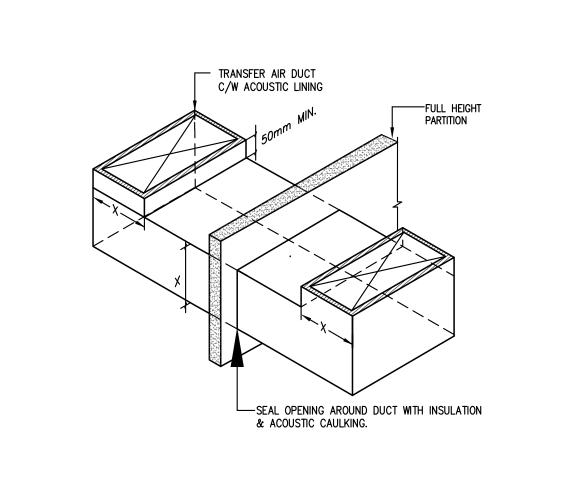
YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

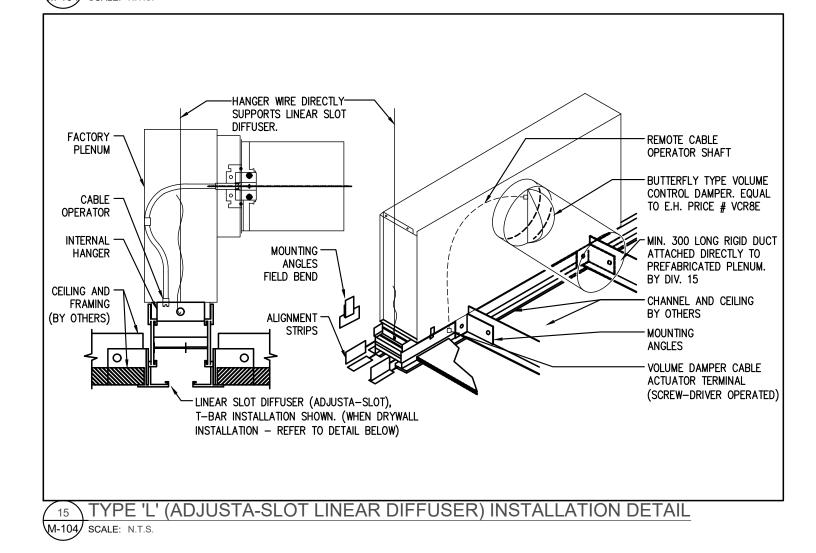
SCALE:	NOT	TO SCAL

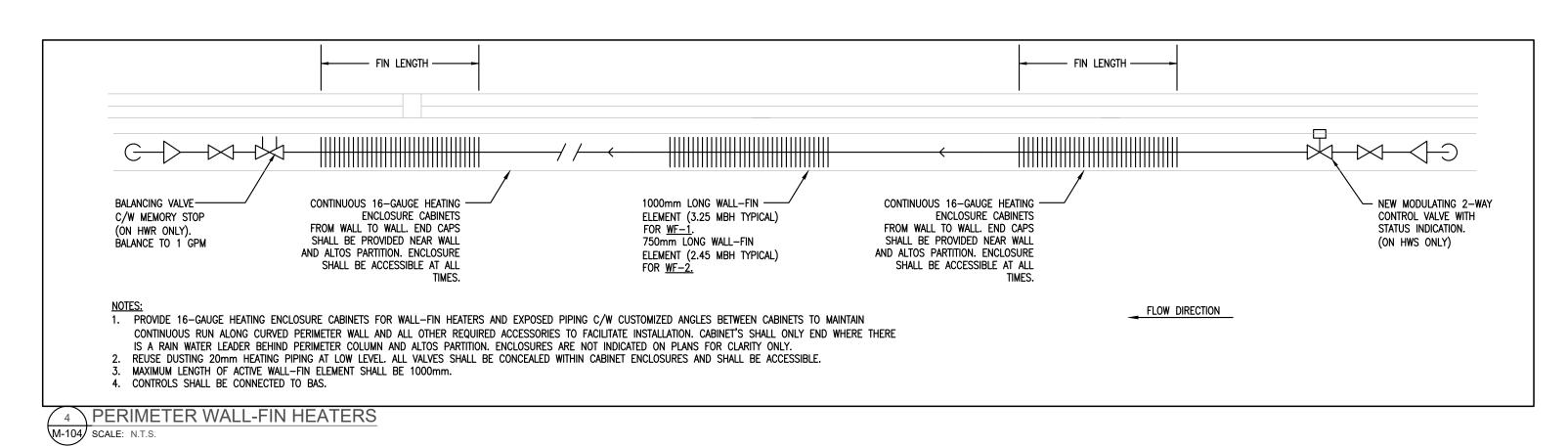
DRAWN BY:	S.P.R./G.G.
SUBMITTED TO:	MUNICIPALITY OF YORK
SHEET TITLE:	

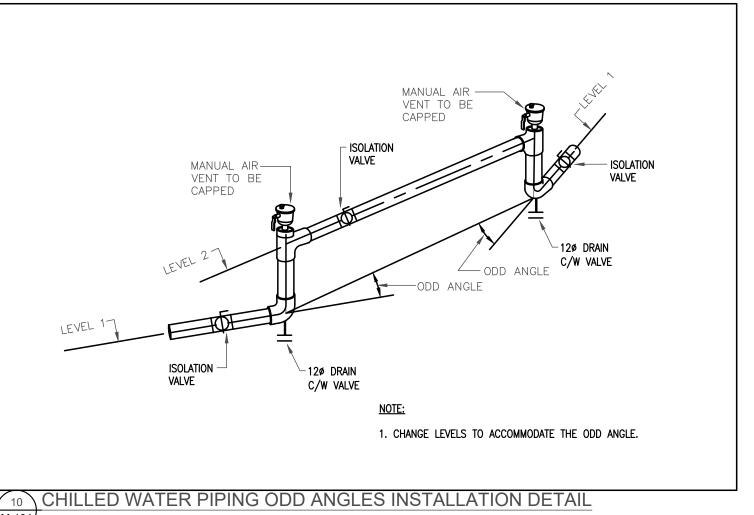
SCHEMATIC DIAGRAM



ACOUSTIC TRANSFER AIR DUCT INSTALLATION DETAIL
M-104 SCALE: N.T.S.







1. BAS SHALL MONITOR AND CONTROL AIRFLOW TO MATCH

SUPPLY FAN TO OPERATE DURING OCCUPIED PERIODS, FAN TO BE OFF DURING UNOCCUPED PERIODS. OBTAIN OCCUPANCY SCHEDULE FROM OWNER.

TYPICAL DIFFUSER & FLEXIBLE DUCT CONNECTION

M-104 SCALE: N.T.S.

ENCLOSURE

MULLION

SOUND BAFFLE -

CONSTRUCTED OF

WALL FIN. ENCLOSURE -

SEAL AROUND PIPING WHERE PENETRATION OCCURS THROUGH SOUNDPROOF BAFFLE INSIDE WALL FINN ENCLOSURE.

13 WALL FINN ENCLOSURE SOUND BAFFLE AT DEMISING WALLS
M-104 SCALE: N.T.S.

SECURE SOUND BAFFLE INSIDE ENCLOSURE TO MULLION AND FLOOR AND CAULK AROUND BOTH SIDES.

32mm (1-1/4") FIBREGLASS INSULATION

38mm (1-1/2") CAN BE COMPRESSED

40kg/m3 (2.5 lbs/ft3) DENSITY WITH 16mm (5/8") GYPROC BOTH SIDES.

CAULK AND SEAL BETWEEN PARTITION —

AND ENCLOSURE BY GENERAL TRADES.

CROSS HATCHED AREA INSIDE ENCLOSURE

BY CUTTING BAFFLE INTO SHAPE USING A TEMPLATE. SOUND BAFFLE CAN BE GLUED TO

ENCLOSURE OR CAULKED FROM BOTH SIDES.

GENERAL NOTES:

15% DURING PANEL ASSEMBLY

DESIGN AIRFLOW REQUIREMENTS.

11 FRESH AIR SUPPLY FAN CONTROL DIAGRAM

TO FAN COIL <

NOTES:

MECHANICAL CLAMP FASTENER SHALL

CLAMP. TAPES, SCREWS AND OTHER

MATERIAL ARE NOT ACCEPTED.

ONLY BE STAINLESS STEEL TYPE GEAR

AIRFLOW (L/S)

OUTDOOR AIR

/---- MECHANICAL CLAMP FASTENER

RIGID DUCTWORK. SEE

SEE NOTES.

SEE NOTES.

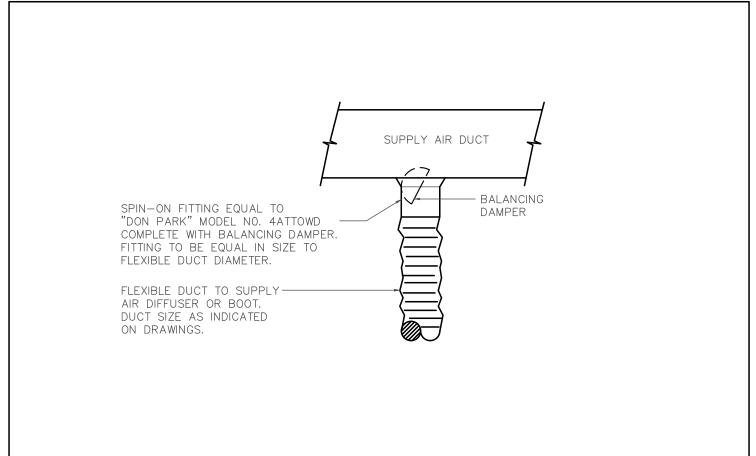
SUSPENDED CEILING

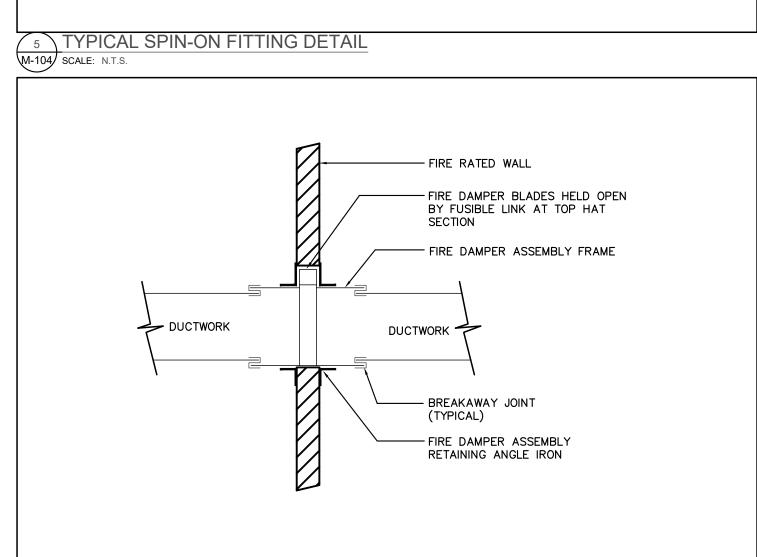
CEILING DIFFUSER AS SPECIFIED

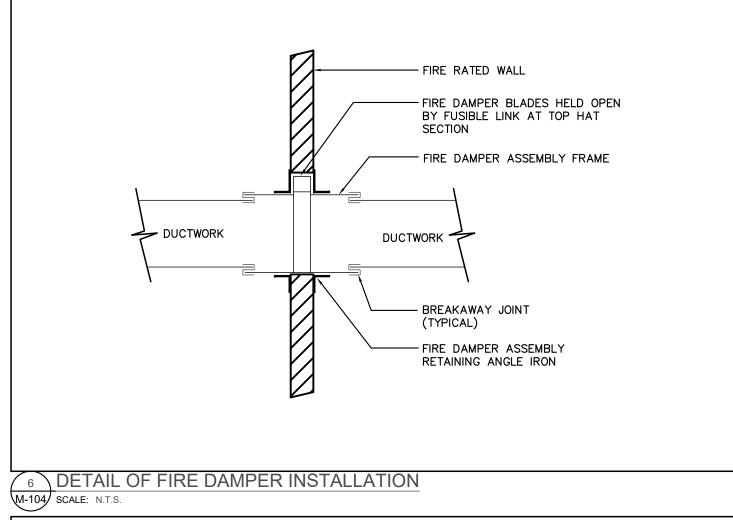
(STAINLESS STEEL GEAR CLAMP).

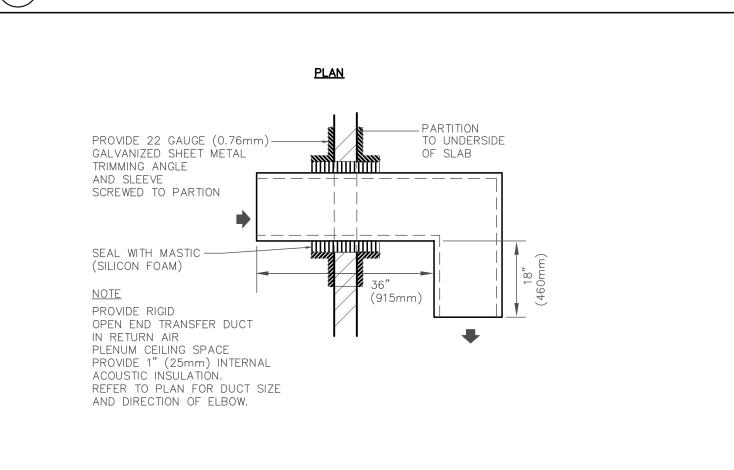
SPECIFICATIONS FOR SUPPORT

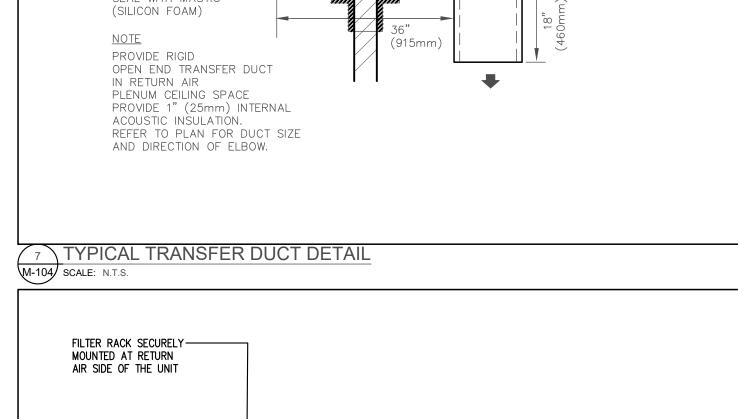
(STAINLESS STEEL GEAR CLAMP).

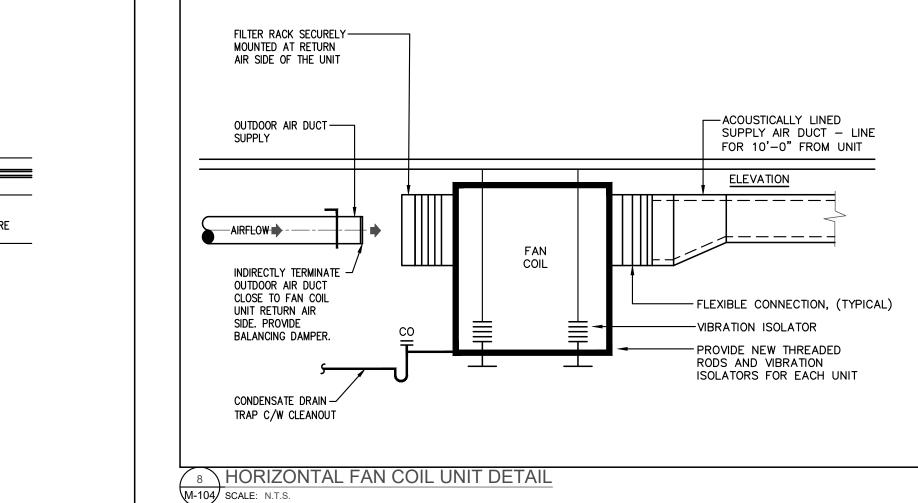


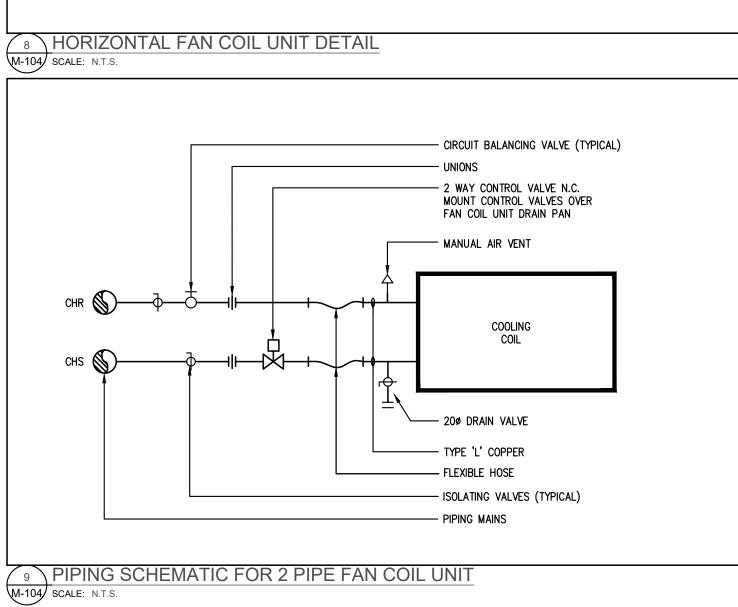


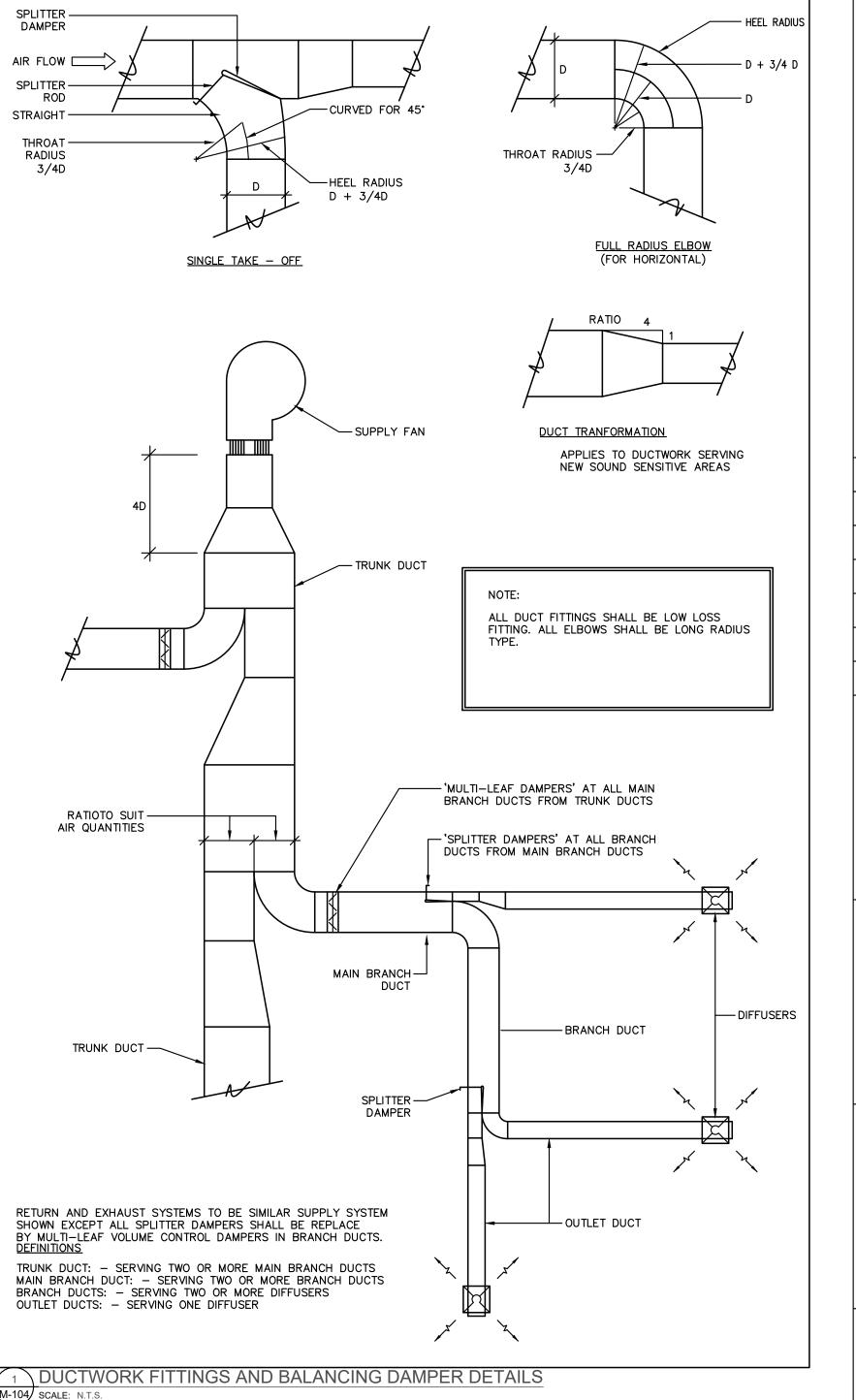


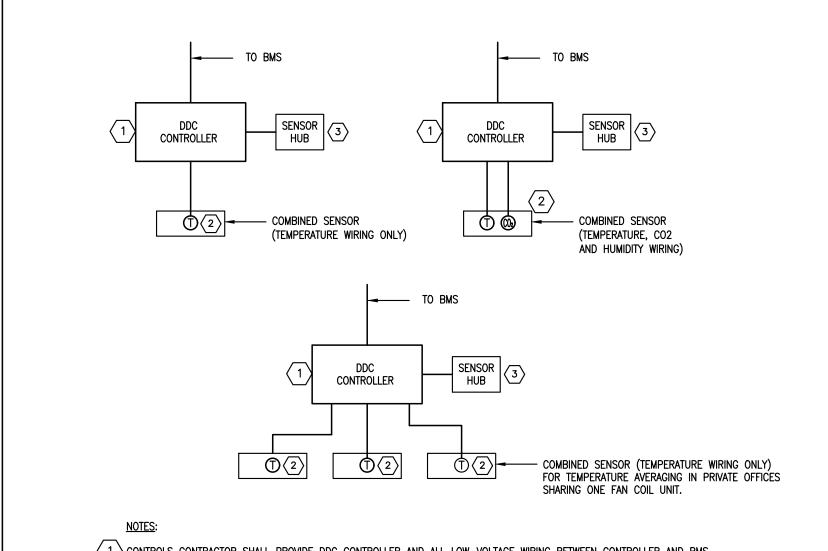






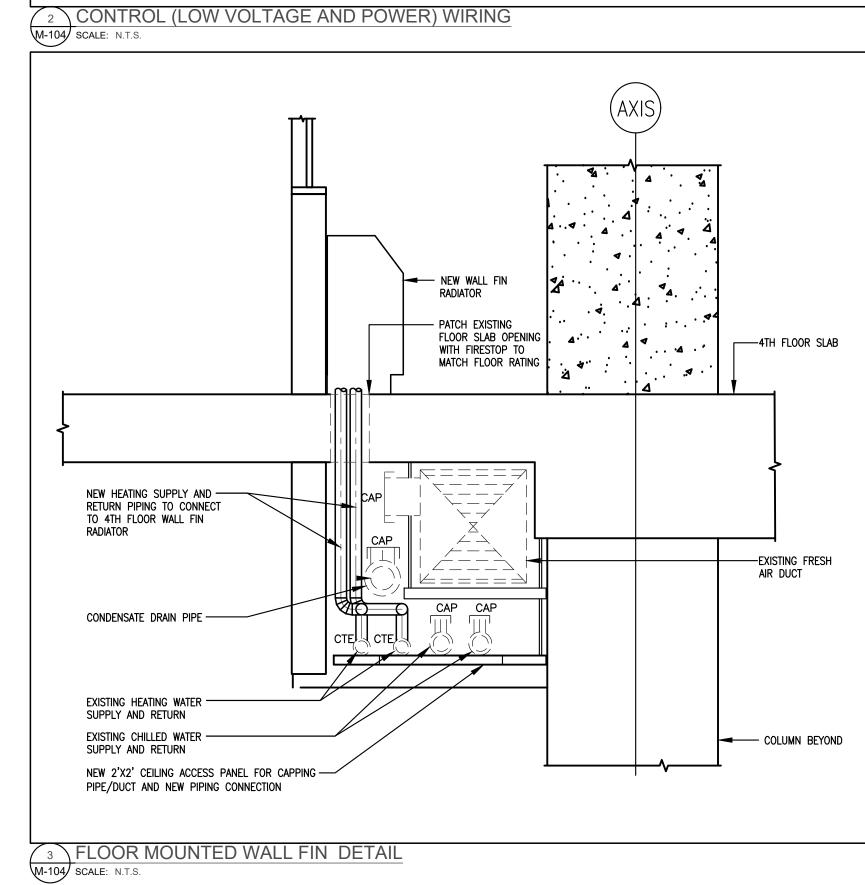


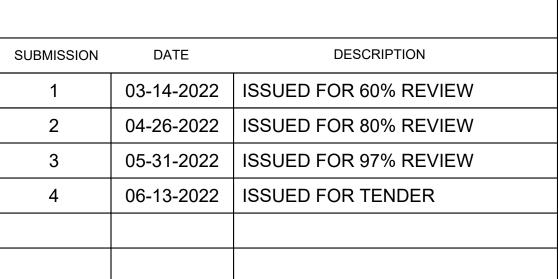




1 CONTROLS CONTRACTOR SHALL PROVIDE DDC CONTROLLER AND ALL LOW-VOLTAGE WIRING BETWEEN CONTROLLER AND BMS. 2 CONTROLS CONTRACTOR SHALL PROVIDE SENSOR HUB, THERMOSTAT AND LOW-VOLTAGE WIRING BETWEEN SENSOR HUB, THERMOSTAT (TEMPERATURE AND CO2 WHERE INDICATED ON HVAC PLANS) AND DDC CONTROLLER. 3 OCCUPANCY STATUS VIA SENSOR HUB.

4 CONTROL CONTRACTOR SHALL PROVIDE ALL POWER AND CONTROL WIRING AS REQUIRED FOR A COMPLETE AND OPERATIONAL BAS CONTROL SYSTEM. THREE DEDICATED 15 AMP CIRCUITS HAVE BEEN PROVIDED FOR CONTROL SYSTEM POWER WIRING. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF ELECTRICAL PANELS AND DEDICATED CIRCUITS ASSIGNED TO THE BAS CONTROL SYSTEM.

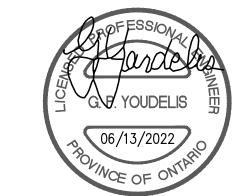




G.Bruce Stratton Architects

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







PROPERTY SERVICES

DD0 1507	
BASE DATE:	01-01-2022
FLOOR:	4TH
DEPARTMENT:	BUILDING & FACILITIES

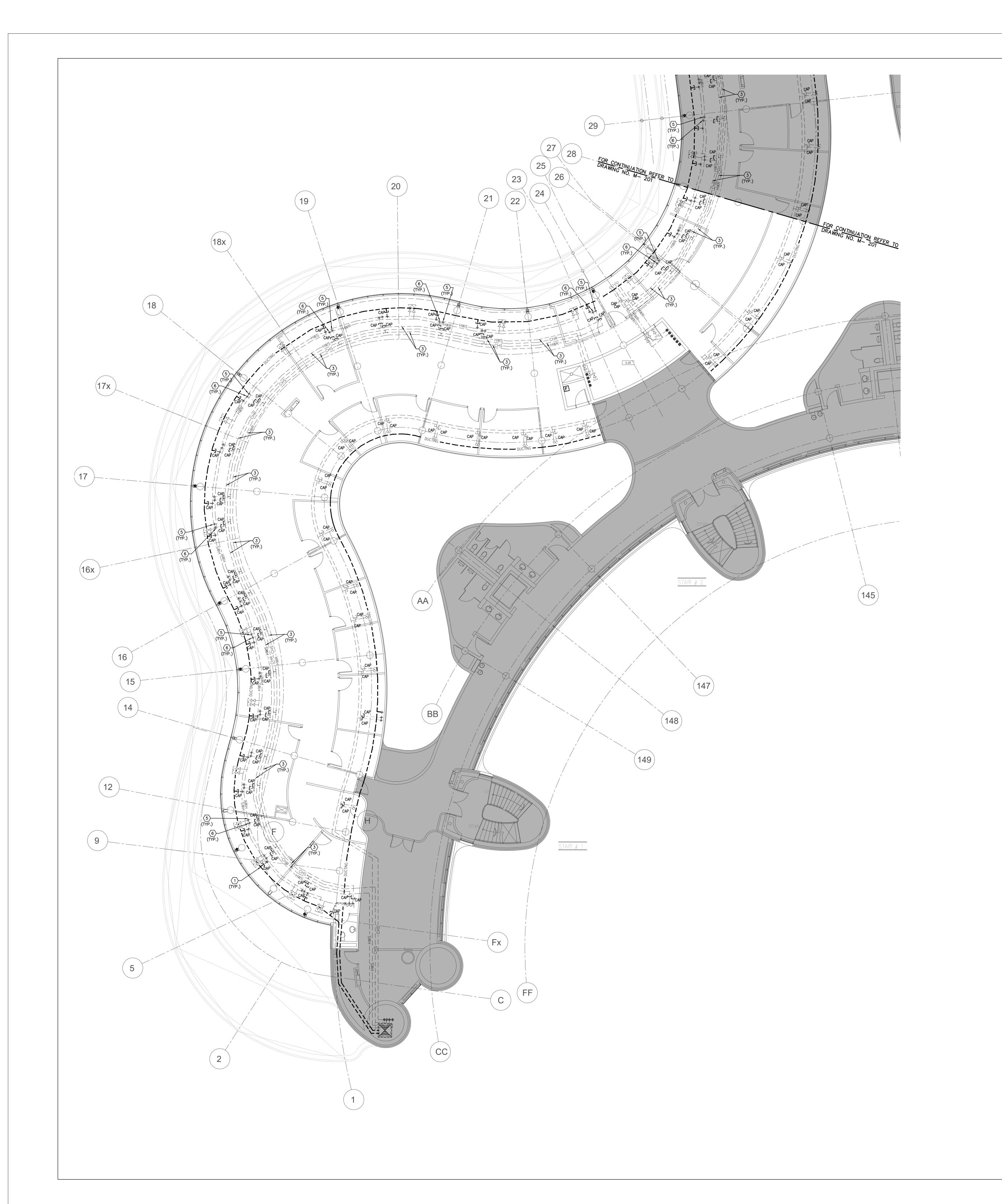
PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

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



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 4. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL

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

 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 TRADERS. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC) SHALL BE DEMOLISHED AND REMOVED FROM SITE.

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

DRAWING NOTES

- EXISTING OUTDOOR AIR SUPPLY DUCTWORK IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
- 2 EXISTING OUTDOOR AIR SUPPLY DUCT RISER TO REMAIN. EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER SUPPLY & RETURN PIPING IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
- 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.

(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.

EXISTING OUTDOOR AIR INSPECTION

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

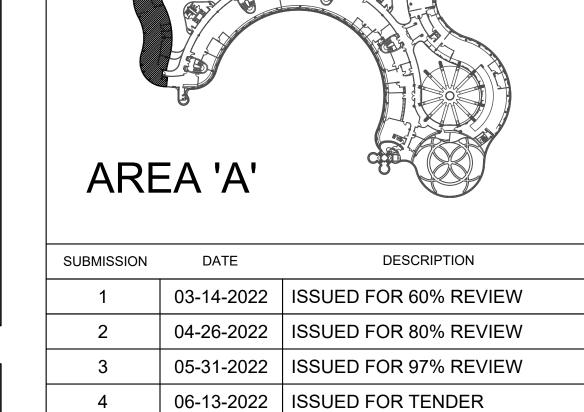
GENERAL NOTES

ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.

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.

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

- 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)
- 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)



G.Bruce Stratton Architects

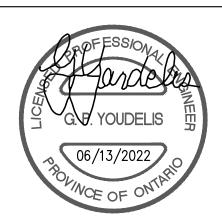
217 Richmond Street West, Suite 300 Toronto Ontario M5V 1W2 telephone: 416.351.8145 facsimile: 416.351.8146



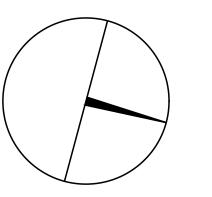
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@gpyengineering.com



L3R 8C5





PROPERTY SERVICES

BUILDING & FACILITIES 4TH 01-01-2022 BASE DATE:

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

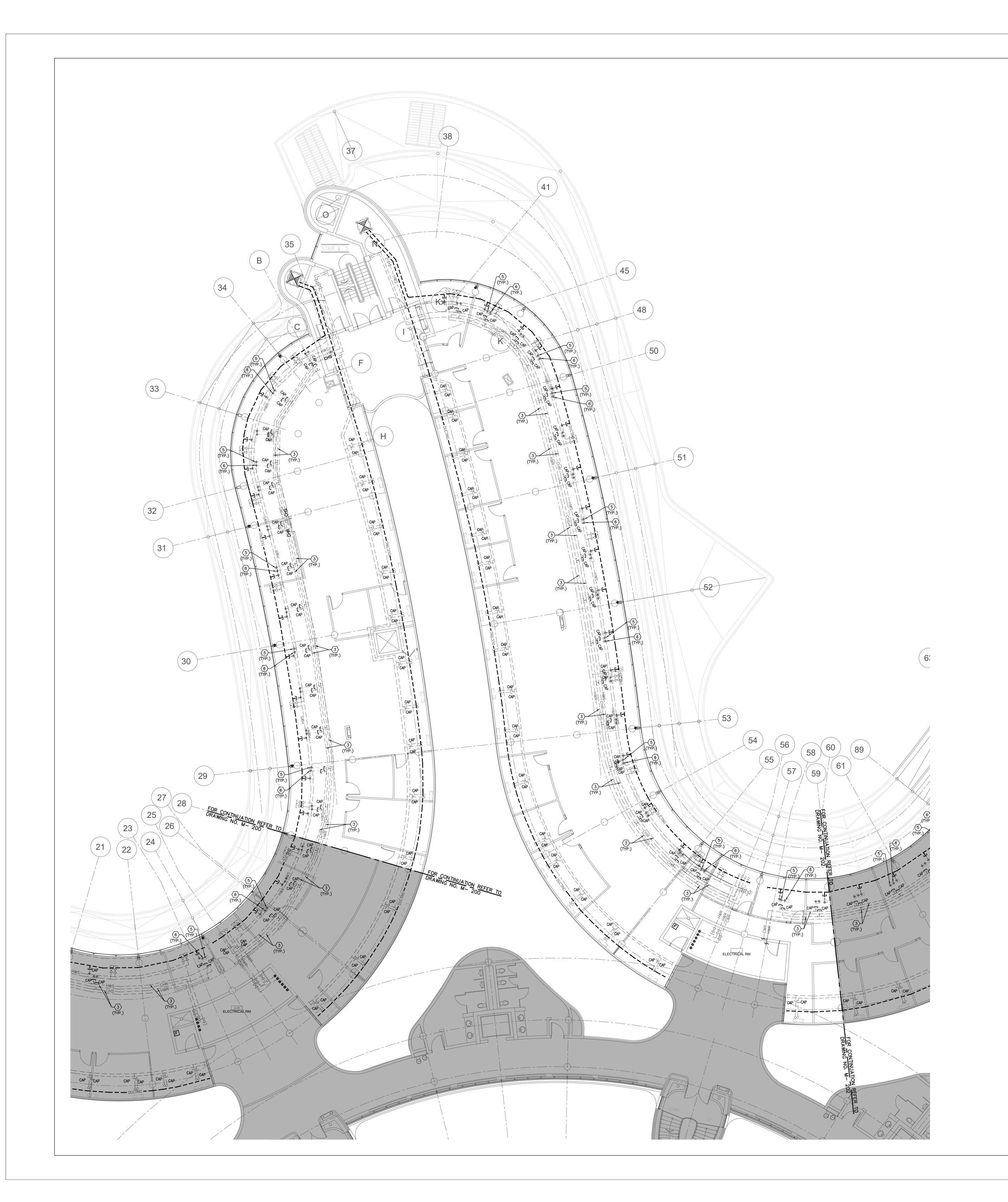
SCALE: 1:100m

S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

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



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 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 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.

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

DRAWING NOTES

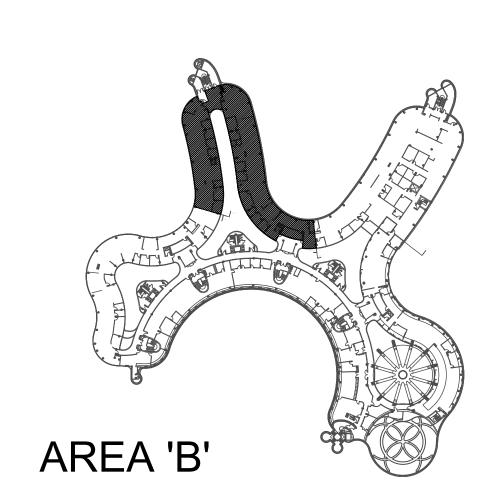
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- 2 EXISTING OUTDOOR AIR SUPPLY DUCT RISER TO REMAIN. EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER SUPPLY & RETURN PIPING IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
- CUT BACK AND CAP EXISTING OUTDOOR AIR SUPPLY 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.
- 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)
- 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)

(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.

EXISTING OUTDOOR AIR INSPECTION

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





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2	04-26-2022	ISSUED FOR 80% REVIEW
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G.Bruce Stratton Architects

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

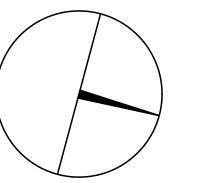


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L3R 8C5





PROPERTY SERVICES

BUILDING & FACILITIES 01-01-2022 BASE DATE: PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

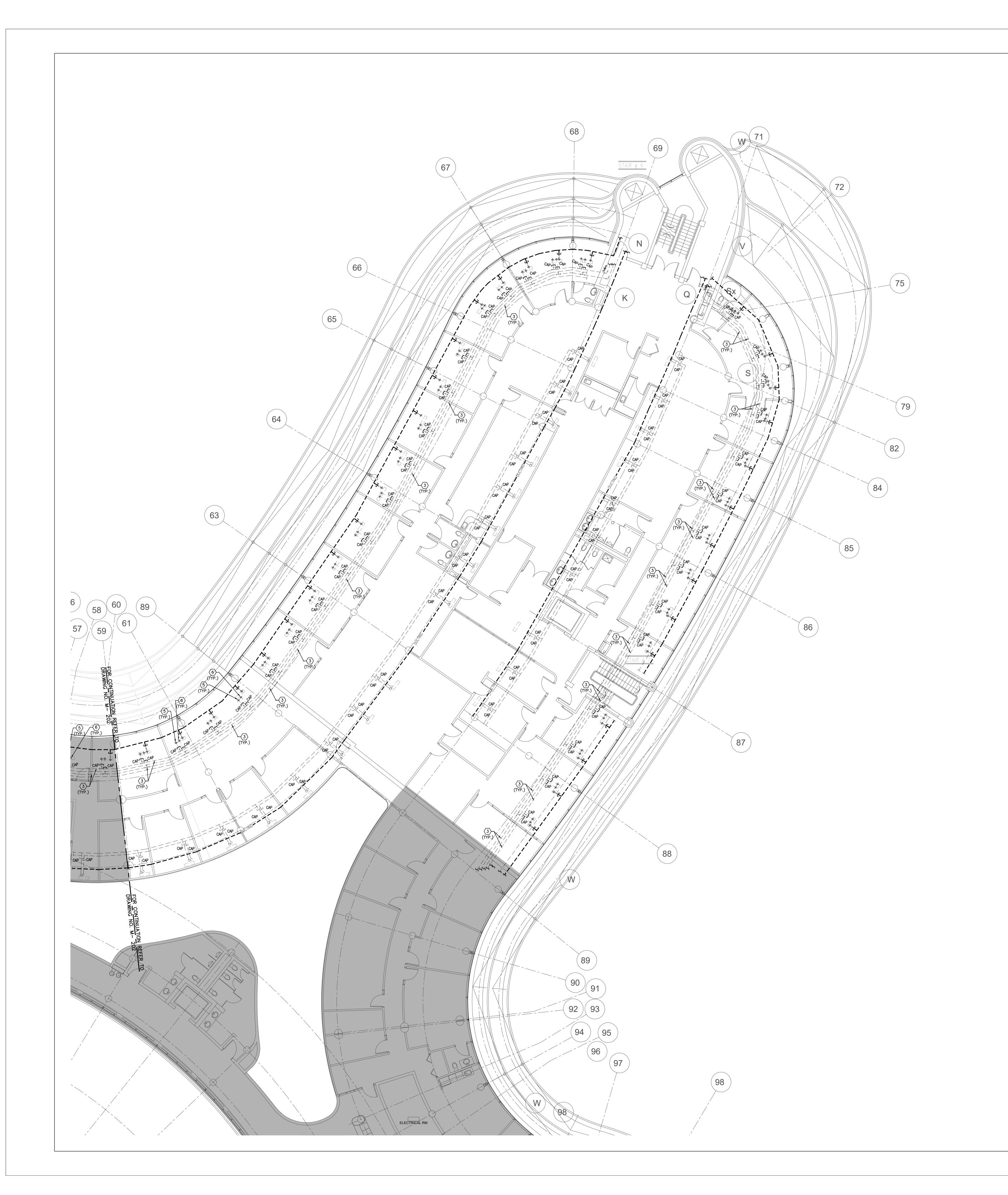
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SHEET TITLE:

S.P.R./G.G. MUNICIPALITY OF YORK

PARTIAL 3RD FLOOR AREA 'B' MECHANICAL DEMOLITION

PLAN



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 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 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.

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

DRAWING NOTES

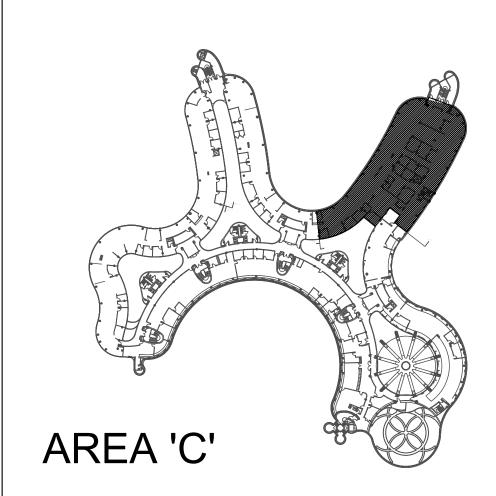
- EXISTING OUTDOOR AIR SUPPLY DUCTWORK IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
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EXISTING OUTDOOR AIR INSPECTION

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





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BUILDING & FACILITIES 01-01-2022 BASE DATE:

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

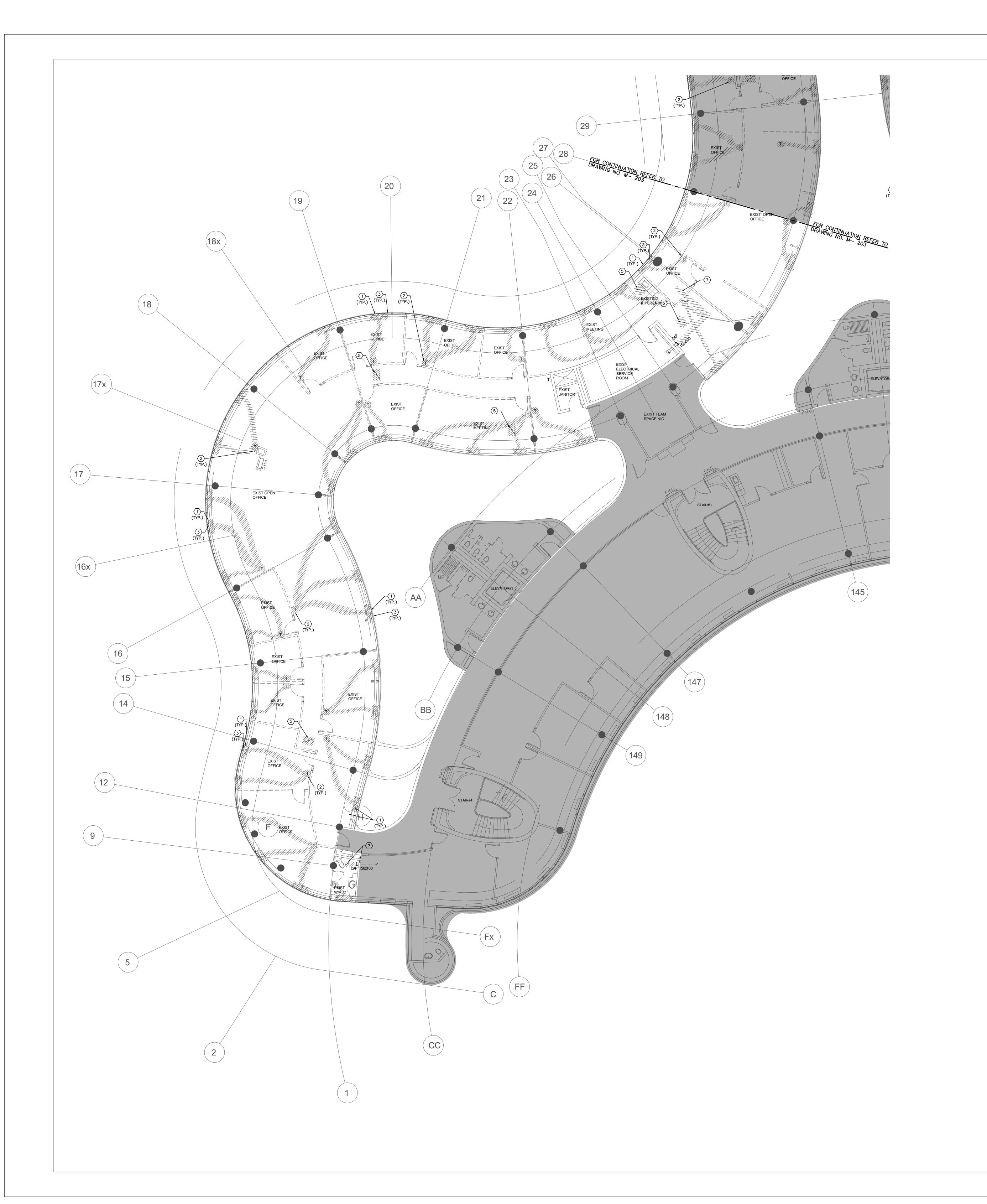
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S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 3RD FLOOR AREA 'C' MECHANICAL DEMOLITION PLAN



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

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

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.

 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.

DRAWING NOTES

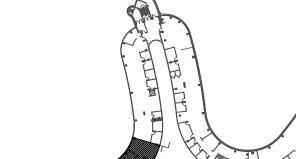
- EXISTING FLOOR-MOUNTED FAN COIL UNIT TO BE REMOVED AND DISPOSE OFF-SITE. REMOVE AND CAP OUTDOOR AIR SUPPLY DUCT BACK IN 3RD FLOOR CEILING SPACE. REMOVE AND CUT BACK HEATING SUPPLY/RETURN WATER PIPES AND CHILLED SUPPLY/RETURN WATER PIPES BACK TO 3RD FLOOR CEILING SPACE AND CAP. PROVIDE FIRE-STOPPING AND SEALED ALL FLOOR OPENING DUE TO REMOVAL OF DUCTWORK & PIPES AS REQUIRED. (TYPICAL)
- REMOVE EXISTING TEMPERATURE SENSOR C/W ASSOCIATED CONTROL WIRING AND TURN OVER THE TEMPERATURE SENSOR TO THE OWNER. (TYPICAL) 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 WRING SERVING OTHER FLOORS DURING DEMOLITION.
- EXISTING AVERAGING TEMPERATURE SENSOR FOR THIS FLOOR C/W CONTROL WIRING TO REMAIN.
- (5) EXISTING RETURN AIR GRILLE TO BE REMOVED AND DISPOSE OFFSITE. (TYPICAL) REMOVE EXISTING EXHAUST FAN IN CEILING SPACE C/W ASSOCIATED CONTROLS, HANGERS, SUPPORTS, GRILLES & DUCTWORK.
- REMOVE EXISTING EXHAUST GRILLES & CUTBACK ASSOCIATED DUCTWORK IN CEILING SPACE AND CAP AS SHOWN.
- (8) EXISTING EXHAUST GRILLES AND ASSOCIATED DUCTWORK TO REMAIN.

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 COORDINATOR WITH REGION'S PM PRIOR TO ANY WORK COMMENCING.

EXISTING OUTDOOR AIR INSPECTION

PRE-BALANCING.

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



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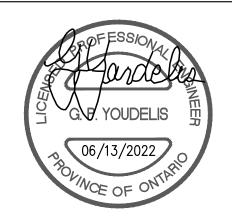
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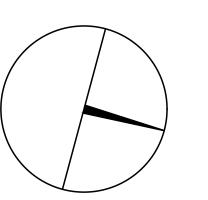
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> GPY + GPY +
> Associates Engineering Inc.

90C Centurian Drive Tel: 905 475 3138 Markham, Ontario L3R 8C5

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







PROPERTY SERVICES

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

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

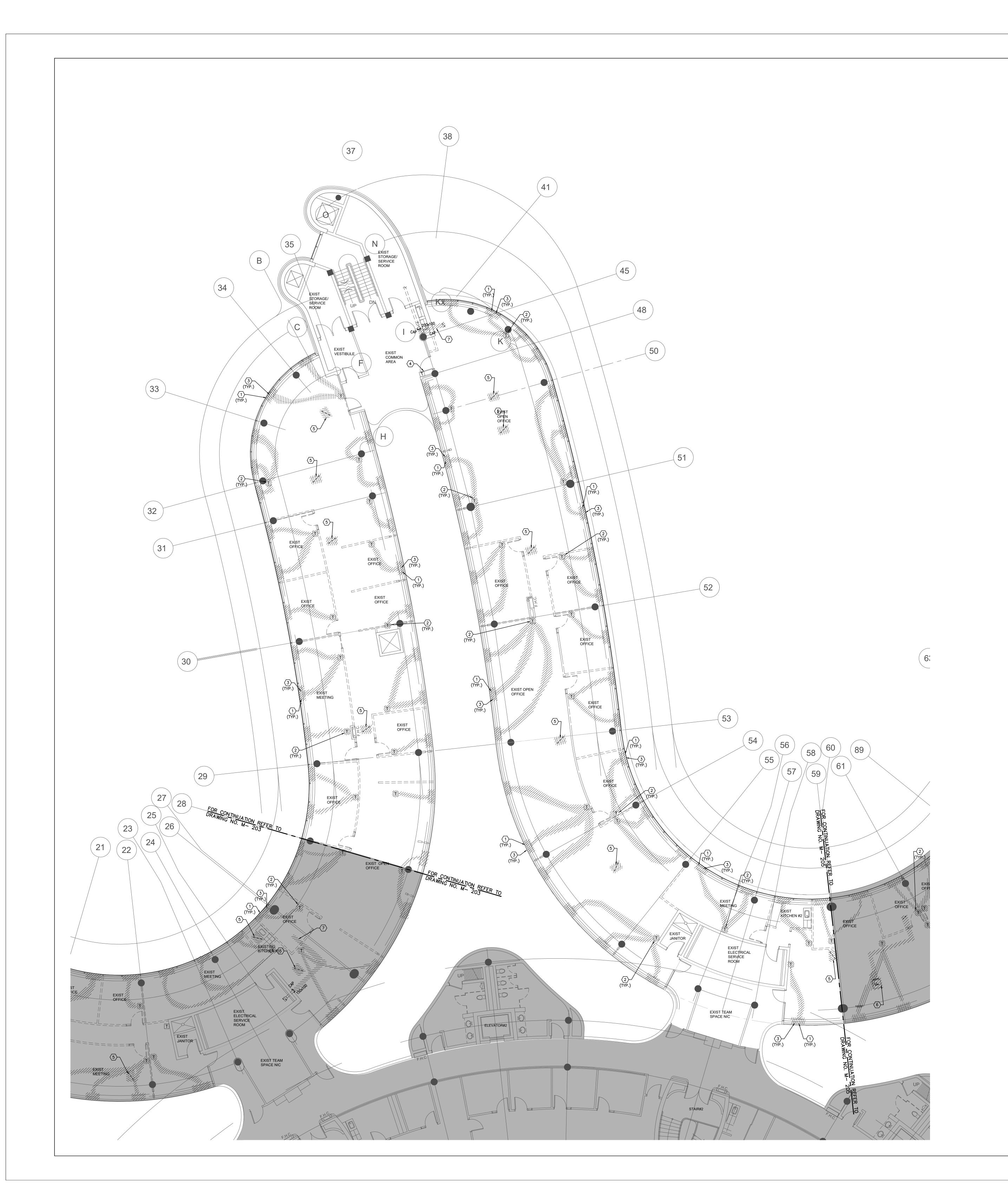
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S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR AREA 'A' **HVAC DEMOLITION PLAN**



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

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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

SHALL BE DEMOLISHED AND REMOVED FROM SITE.

TEMPERATURE SENSORS SHALL BE DONE BY CONTROLS CONTRACTOR ONLY, NOT BY ANY OTHER TRADES. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC)

DRAWING NOTES

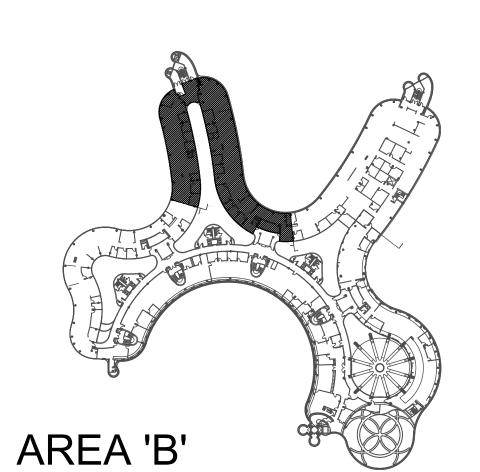
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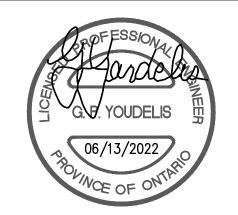
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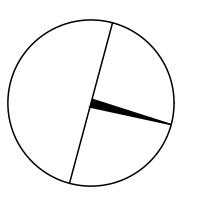
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email: engineering

@gpyengineering.com



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

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YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

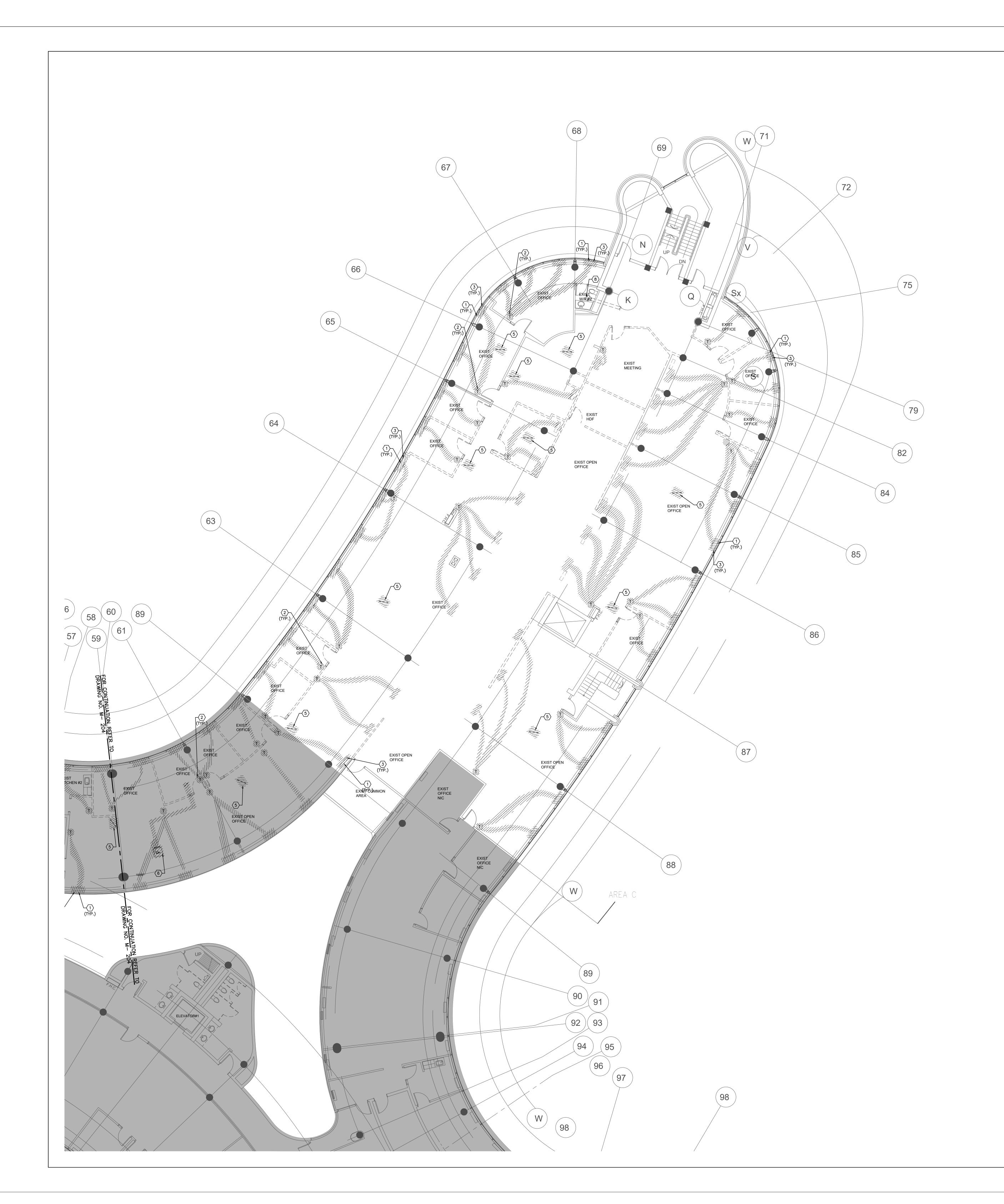
SCALE: 1:100m

S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR AREA 'B' **HVAC DEMOLITION PLAN**



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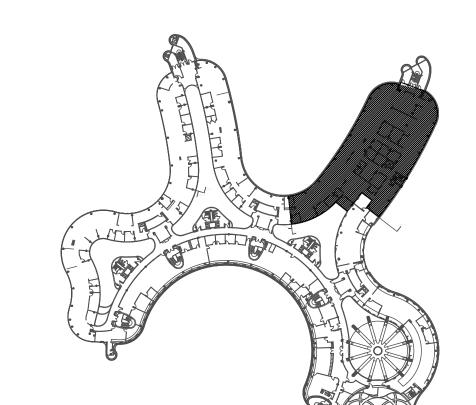
DRAWING NOTES

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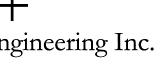


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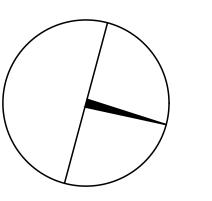
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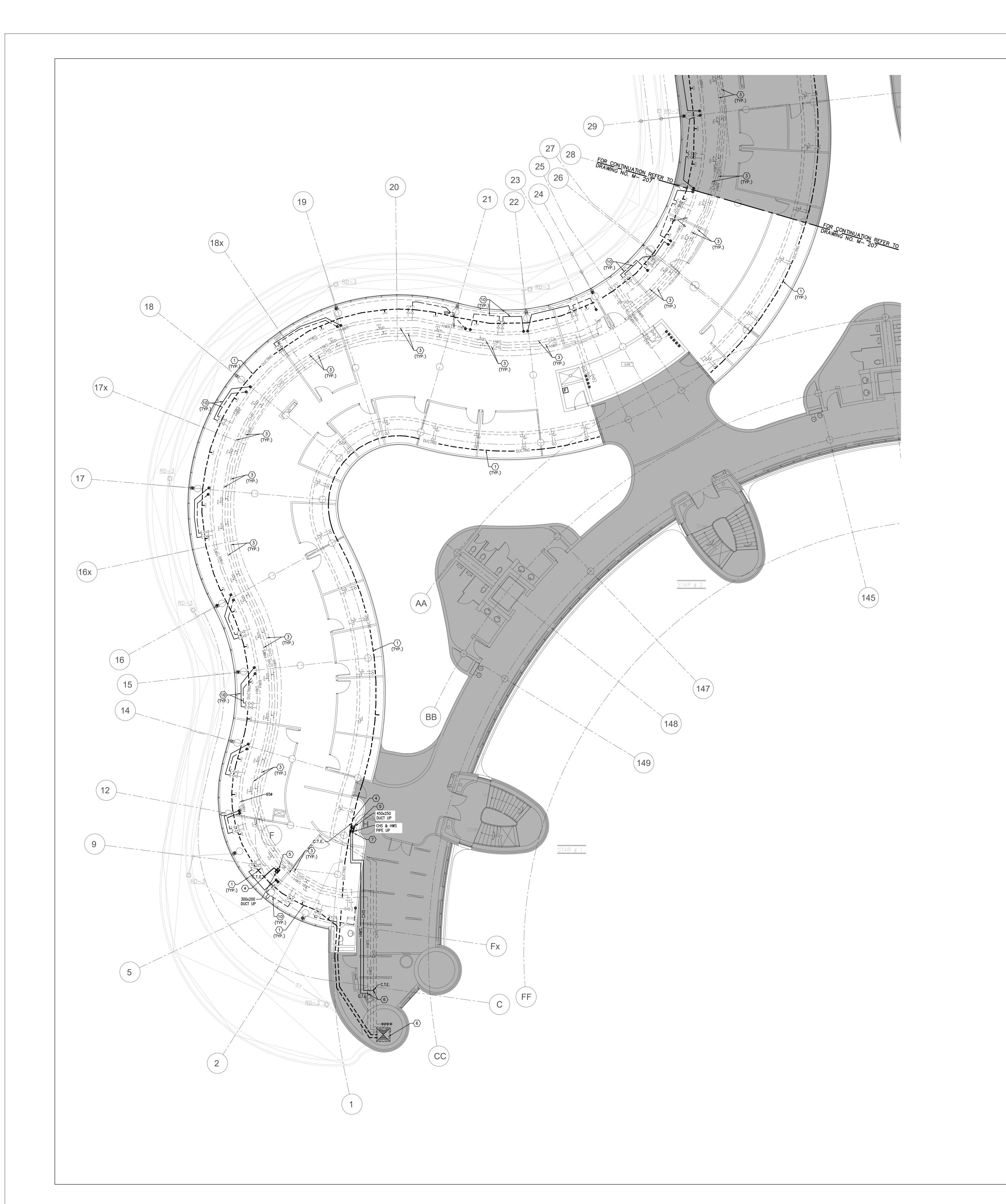
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MUNICIPALITY OF YORK

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

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 MEADE 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 TRADERS. 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

11. DRAWING NOTE NO. 9 (PROTECTION) & NOTE NO. 10 (REMOVAL & CLEAN-UP) SHALL BE

DRAWING NOTES

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

DONE REPEATEDLY FOR THE DURATION OF WORK PERIOD.

- EXISTING OUTDOOR AIR SUPPLY DUCT RISER TO REMAIN. EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER
- SUPPLY & RETURN PIPING IN CEILING SPACE OF THIS FLOOR TO REMAIN. (TYPICAL)
- CONNECT NEW OUTDOOR AIR SUPPLY DUCT TO EXISTING DUCTWORK AND MAKE GOOD INSULATION. 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. CONNECT NEW CHILLED WATER SUPPLY PIPE TO EXISTING SAME SERVICE PIPING AT
- RUN NEW CHILLED WATER SUPPLY PIPE UP TO 3RD FLOOR. FOR CONTINUATION REFER TO DRAWING NO. M-209, M-210 & M-211.

THIS POINT AND MAKE GOOD INSULATION.

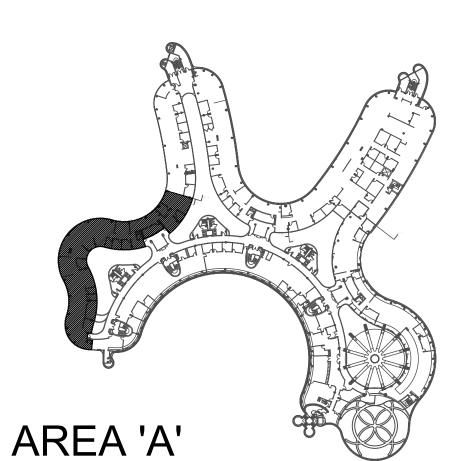
INSULATION AS REQUIRED.

- DISCONNECT AND CAP EXISTING HOT WATER RETURN PIPING. CONNECT EXISTING VALVED HOT WATER RETURN PIPE TO EXISTING RISER AS SHOWN. MAKE GOOD INSULATION AS REQUIRED.
- DISCONNECT AND CAP EXISTING HOT WATER SUPPLY PIPING. CONNECT EXISTING VALVED HOT WATER SUPPLY PIPE TO EXISTING SERVICES AS SHOWN. MAKE GOOD
- 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/ FIRE-STOPPING AS REQUIRED. (TYPICAL)
- PROVIDE NEW 200 BY-PASS LINE BETWEEN HEATING SUPPLY AND RETURN PIPE C/W EOL BY-PASS ACTUATOR WITH 2-WAY VALVE. BY-PASS ACTUATOR SHALL BE INTERLOCKED WITH BUILDING AUTOMATION SYSTEM.
- 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.
- DISCONNECT AND CAP EXISTING HOT WATER RETURN PIPING. CONNECT NEW VALVED HOT WATER SUPPLY PIPE TO EXISTING SERVICES AS SHOWN. MAKE GOOD INSULATION
- 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. Victaulic 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. REMOVE CAP OF EXISTING VALVED MAIN HWS/HWR PIPING AND CONNECT TO NEW HWS/HWR PIPING AS SHOWN.
- PRESSURE TEST ALL NEW PIPING FOR 24 HOURS WITH NO LOSS OF PRESSURE PRIOR TO INSULATING FITTINGS AND OPENING MAIN VALVES. (TYPICAL)

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

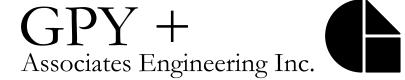
PROVIDE FINAL AIR BALANCING AFTER COMPLETION OF MECHANICAL WORK, INCLUDING ALL EXISTING AND NEW OUTDOOR SUPPLY AIR BRANCH DUCTS SUPPLIED TO GROUND FLOOR, 2ND FLOOR, 3RD FLOOR, 4TH FLOOR AND 5TH FLOOR. SUBMIT THREE (3) COPIES OF THE AIR BALANCE REPORT TO THE CONSULTANT FOR REVIEW



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

G.Bruce Stratton Architects

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

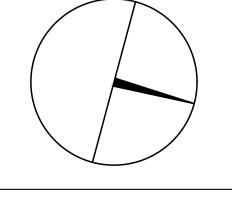




90C Centurian Drive Markham, Ontario L3R 8C5

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







PROPERTY SERVICES

BUILDING & FACILITIES DEPARTMENT: 4TH FLOOR:

01-01-2022

BASE DATE: PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

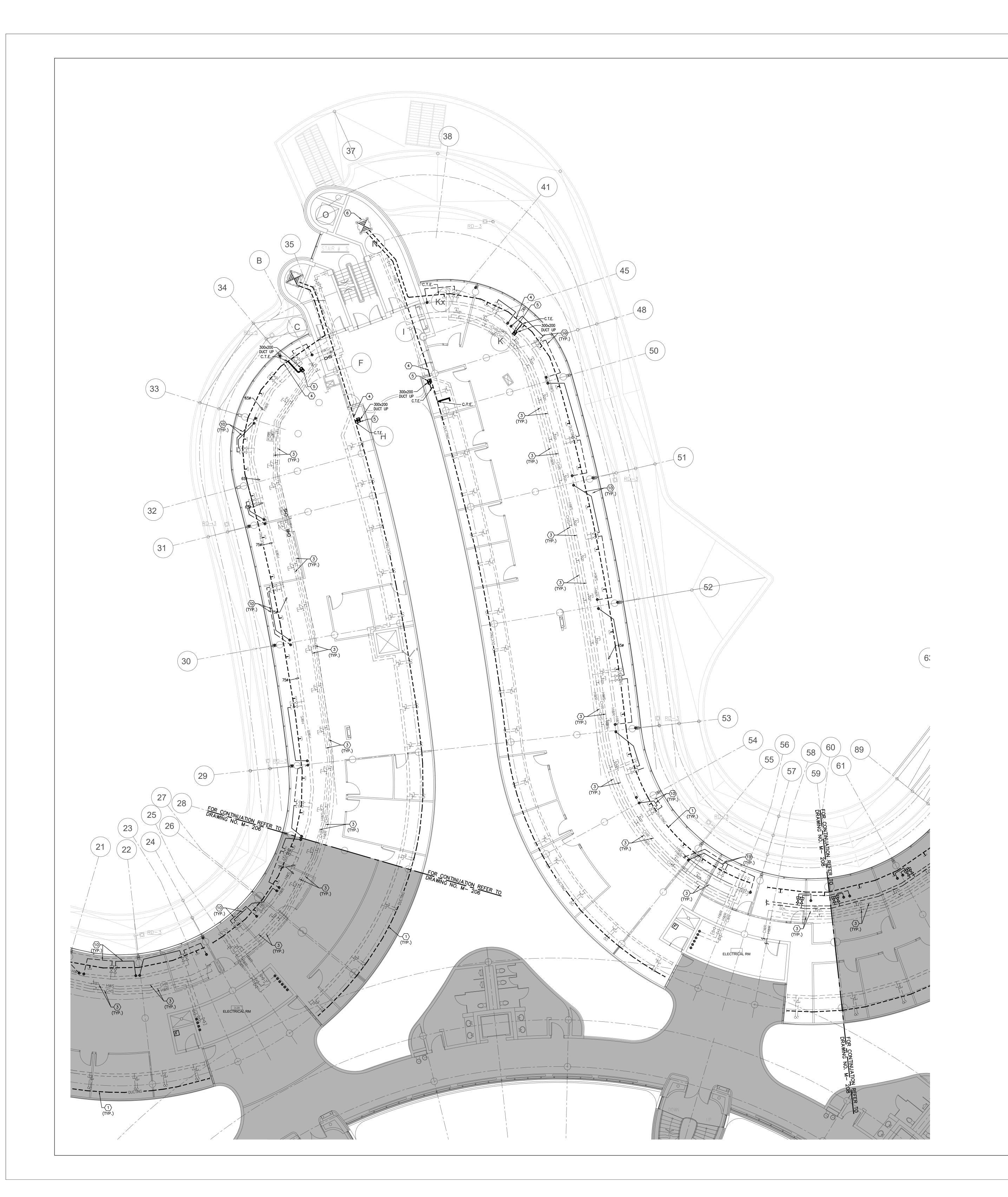
SCALE: 1:100m

S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 3RD FLOOR AREA 'A' MECHANICAL NEW LAYOUT



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.

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

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

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 MEADE 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 TRADERS. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC) SHALL BE DEMOLISHED AND REMOVED FROM SITE.

PROVIDE NECESSARY PROTECTIONS FOR ALL WORKSTATIONS, FURNITURE, PARTITION WALL, FLOORING AND WINDOWS ON THE THIRD FLOOR PRIOR TO COMMENCEMENT OF ANY WORK.
 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.
 DRAWING NOTE NO. 9 (PROTECTION) & NOTE NO. 10 (REMOVAL & CLEAN-UP) SHALL BE

DRAWING NOTES

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

DONE REPEATEDLY FOR THE DURATION OF WORK PERIOD.

- EXISTING OUTDOOR AIR SUPPLY DUCT RISER TO REMAIN.

 EXISTING MAIN CHILLED WATER SUPPLY & RETURN PIPING AND MAIN HEATING WATER
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- CONNECT NEW OUTDOOR AIR SUPPLY DUCT TO EXISTING DUCTWORK AND MAKE GOOD INSULATION.

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 CONNECT NEW CHILLED WATER SUPPLY PIPE TO EXISTING SAME SERVICE PIPING AT THIS POINT AND MAKE GOOD INSULATION.
- RUN NEW CHILLED WATER SUPPLY PIPE UP TO 3RD FLOOR. FOR CONTINUATION REFER TO DRAWING NO. M-209, M-210 & M-211.
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- PROVIDE NEW 200 BY-PASS LINE BETWEEN HEATING SUPPLY AND RETURN PIPE C/W EOL BY-PASS ACTUATOR WITH 2-WAY VALVE. BY-PASS ACTUATOR SHALL BE INTERLOCKED WITH BUILDING AUTOMATION SYSTEM.
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- HVAC EQUIPMENT/ TERMINAL UNITS/ DUCTWORK/ DIFFUSERS INSTALLATIONS.

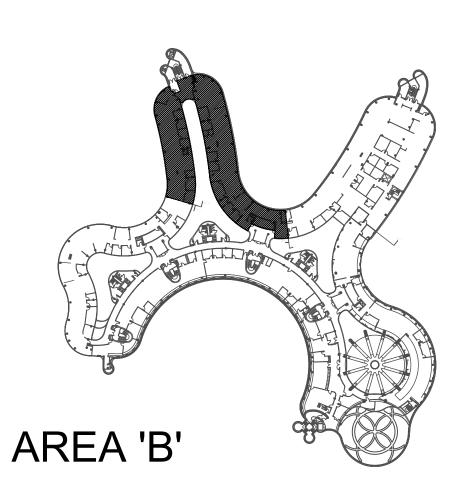
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NOTES

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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	05-31-2022	ISSUED ASRER%CREWE5V
4	06-13-2022	ISSUED FOR TENDER

G.Bruce Stratton Architects

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

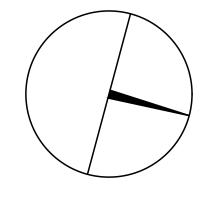


90C Centurian Drive Unit 6 Markham, Ontario

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



L3R 8C5





PROPERTY SERVICES

DEPARTMENT: BUILDING & FACILITIES

FLOOR: 4TH

01-01-2022

PROJECT:

BASE DATE:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

SCALE: 1:100m

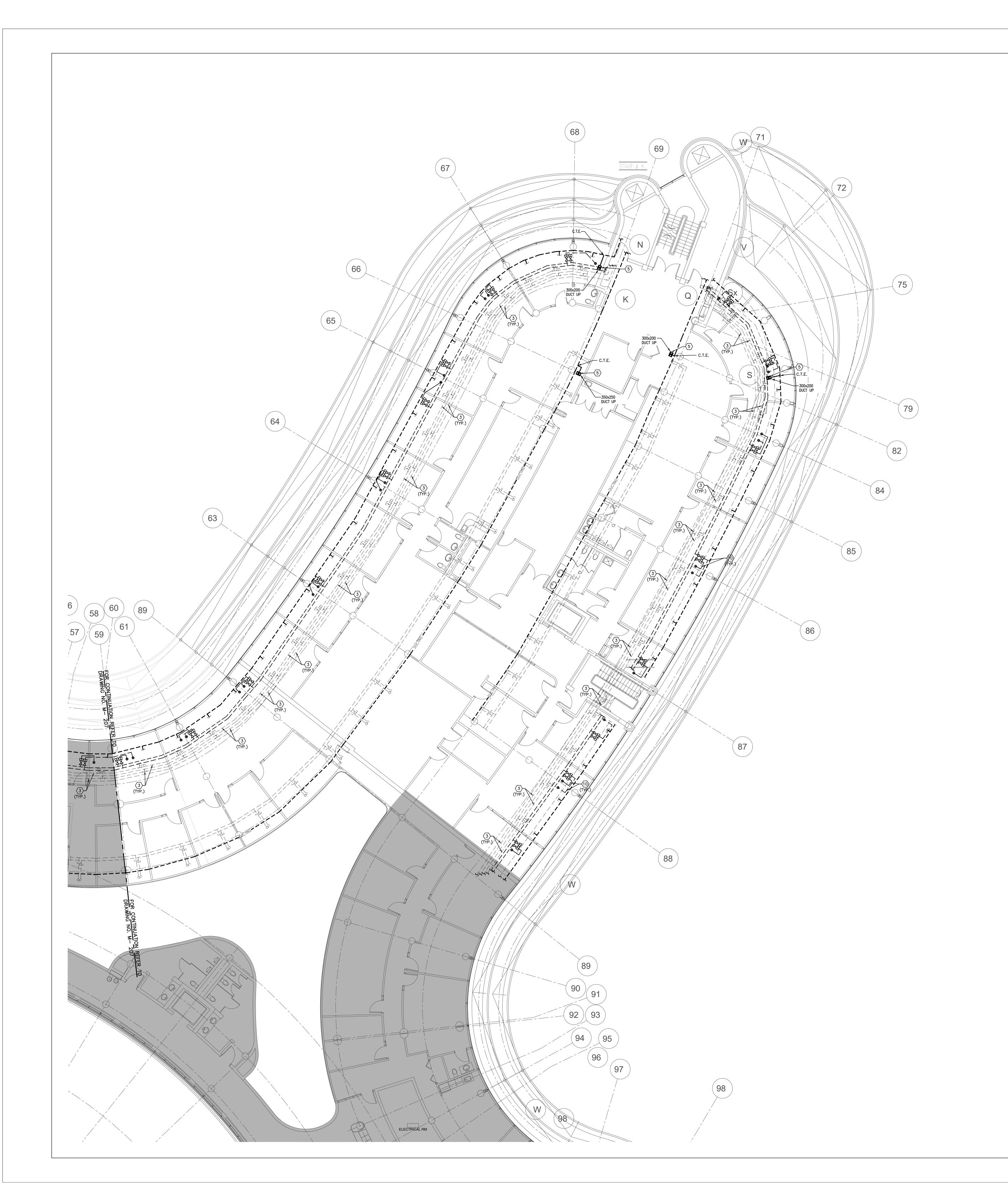
S.P.R./G.G.

MITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 3RD FLOOR
AREA 'B'
MECHANICAL NEW LAYOUT

SHEET NUMBER:



1. 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
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3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL AND ELECTRICAL

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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 MEADE 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 TRADERS. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC) SHALL BE DEMOLISHED AND REMOVED FROM SITE.

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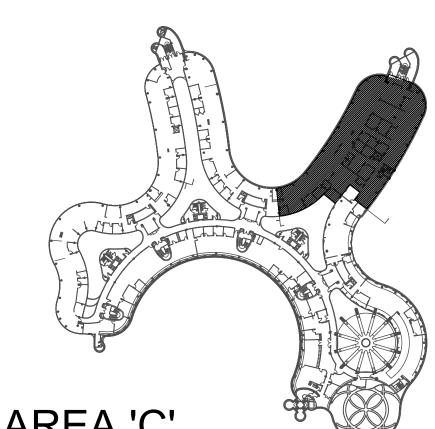
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- INSTALL NEW HEATING WATER SUPPLY AND RETURN PIPING C/W INSULATION. SIZES OF NEW HEATING PIPING SHALL MATCH EXISTING HEATING PIPING SIZES. NEW HEATING PIPING SHALL BE SCHEDULE 40 BLACK STEEL. VICTAULIC PIPE FITTINGS ARE PERMITTED IN ACCESSIBLE SPACES 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.
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FINAL AIR BALANCING NOTE

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G.Bruce Stratton Architects

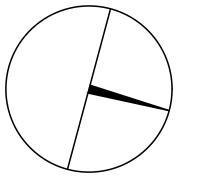
217 Richmond Street West, Suite 300 Toronto Ontario M5V 1W2 telephone: 416.351.8145 facsimile: 416.351.8146



90C Centurian Drive Markham, Ontario L3R 8C5

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







PROPERTY SERVICES

BUILDING & FACILITIES DEPARTMENT:

4TH FLOOR: 01-01-2022 BASE DATE:

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

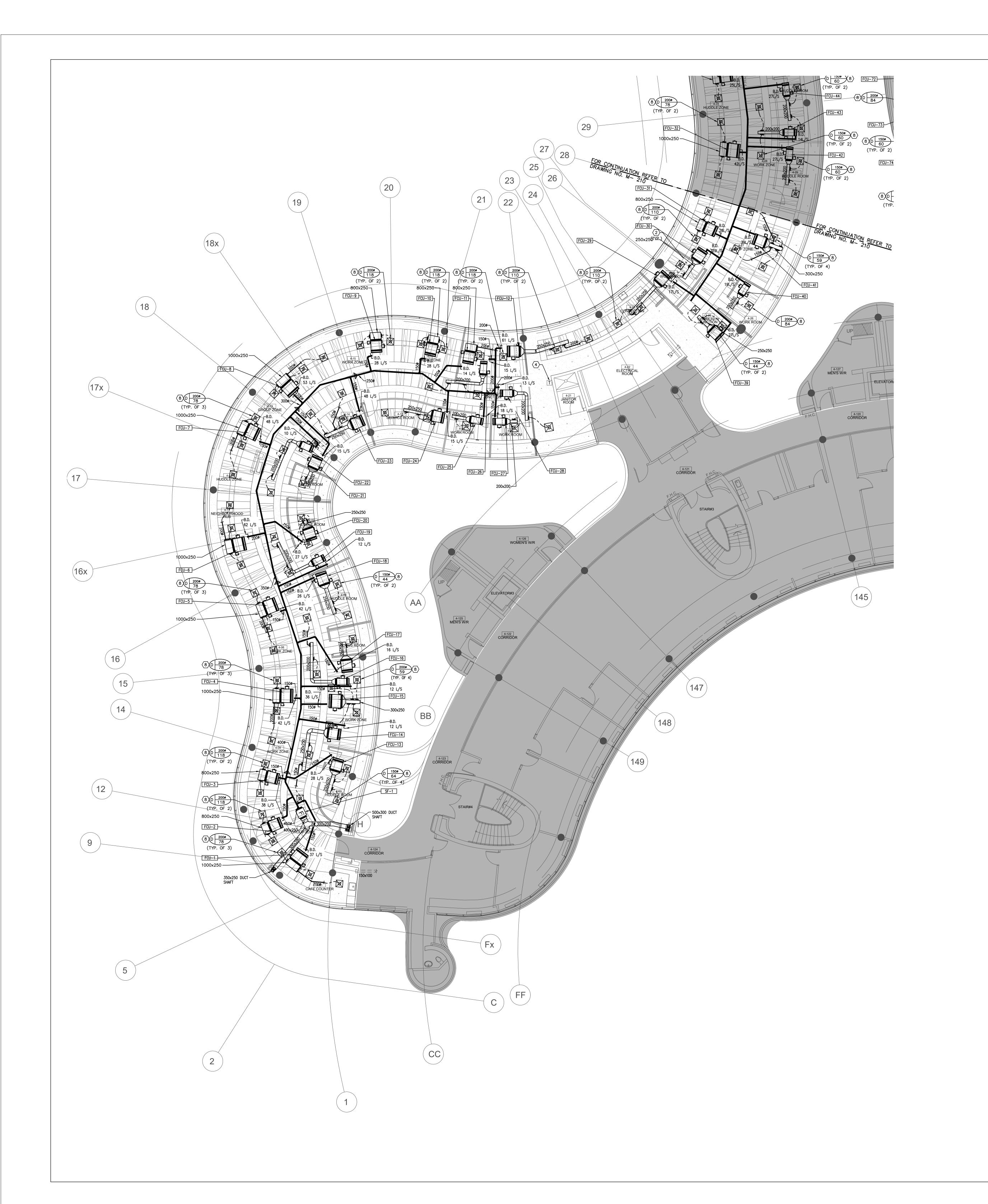
SCALE: 1:100m

S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 3RD FLOOR AREA 'C' MECHANICAL NEW LAYOUT



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

3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL AND ELECTRICAL 4. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.

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PANELS/DOORS AS REQUIRED. 7. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED, SEALED,

OTHER TRADERS. ALL OTHER EXISTING CONTROLS (CONTROLLERS, CONTROL VALVES, ETC)
SHALL BE DEMOLISHED AND REMOVED FROM SITE.

- NEW OUTDOOR AIR SUPPLY DUCT FROM THIRD FLOOR C/W FIRE DAMPER.
- PROVIDE NEW FAN COIL UNIT IN CEILING SPACE C/W ASSOCIATED CONTROLS, HANGERS, TO CEILING SLAB AS HIGH AS POSSIBLE. (TYPICAL)
- 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 ROUND DUCT AS SHOWN. (TYPICAL)
- PROVIDE NEW LINEAR SLOT DIFFUSER C/W PLENUM BOX. DIFFUSER SHALL HAVE A CABLE OPERATED DAMPER MOUNTED ON NECK. BALANCE TO AIR QUANTITY AS
- 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.
- PROVIDE NEW SQUARE CONE DIFFUSER AND BALANCE TO AIR QUANTITY AS INDICATED. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
- PROVIDE NEW RETURN AIR GRILLES. REFER TO DRAWING NO. M-100 FOR

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

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.

3. FILTER RACK SHALL BE SIZE TO ACCEPT FILTER SIZES AS PER JOHNSON'S CONTROLS FILTER SIZE GUIDE BELOW:

GENERAL NOTES

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

OF RESULT.

OF RESULT.

OF RESULT.

6. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS

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

9. INSTALLATION HEIGHT OF TEMPERATURE SENSORS SHALL BE 4'-0". EXACT LOCATION TO BE COORDINATED ON SITE WITH THE ARCHITECT. (TYPICAL FOR ALL)

FOR DETAILS. (TYPICAL)

DRAWING NOTES

- NEW RETURN AIR TRANSFER DUCT. SIZE AS INDICATED. REFER TO DETAIL NO. 14/M-103
- 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
- INDICATED. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
- PROVIDE 1" WIDE ARCHITECTURAL SLOT FOR RETURN AIR. RETURN SLOT SHALL HAVE SIGHT BAFFLE ABOVE.

PROVIDE FRESH AIR SUPPLY FAN IN CEILING SPACE C/W ASSOCIATED UNIT-MOUNTED

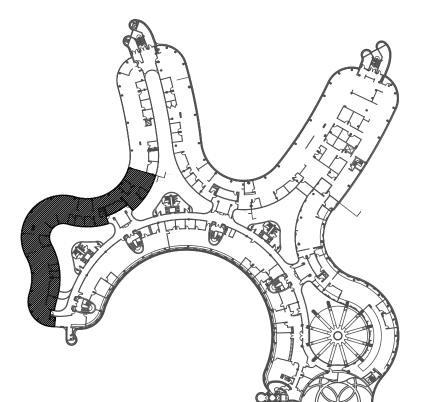
- (10) EXISTING DELTA BAS CONTROLLER IN CEILING SPACE OF THIS FLOOR REMAIN.
- $\langle 11 \rangle$ Existing thermostat c/w control wiring to remain.

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 COORDINATOR WITH REGION'S PM PRIOR TO ANY WORK COMMENCING.

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.

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"



JBMISSION	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

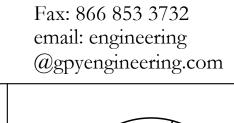
G.Bruce Stratton Architects

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 Tel: 905 475 3138 Markham, Ontario L3R 8C5







PROPERTY SERVICES

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

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

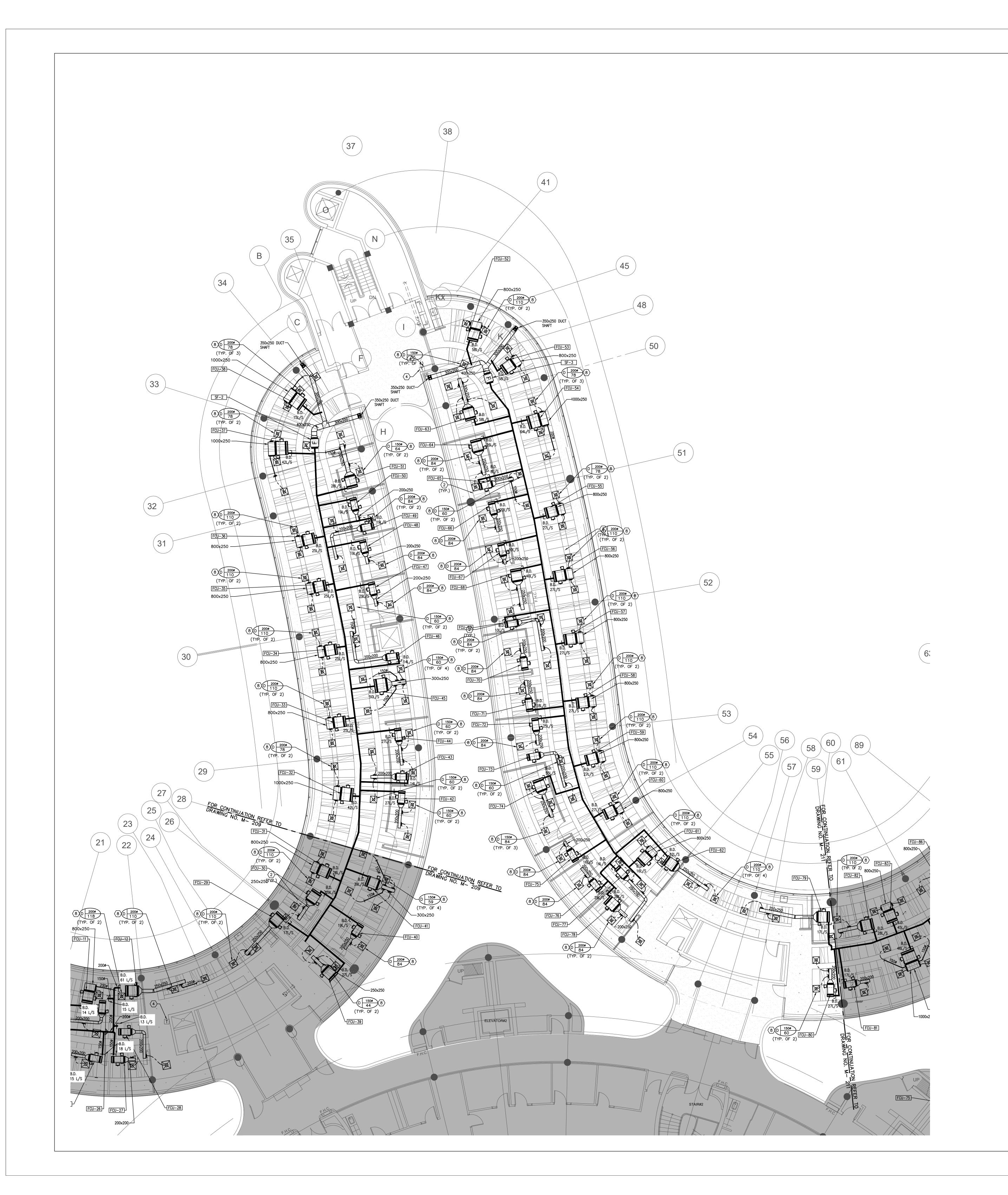
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S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR AREA 'A' **HVAC NEW LAYOUT**



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

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

6. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE.

TEMPERATURE SENSORS SHALL BE DONE BY CONTROLS CONTRACTOR ONLY, NOT BY ANY

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

OTHER TRADERS. 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)

FOR DETAILS. (TYPICAL)

DRAWING NOTES

- 1) NEW OUTDOOR AIR SUPPLY DUCT FROM THIRD FLOOR C/W FIRE DAMPER. NEW RETURN AIR TRANSFER DUCT. SIZE AS INDICATED. REFER TO DETAIL NO. 14/M-103
- 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)
- 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 ROUND DUCT AS SHOWN. (TYPICAL)
- PROVIDE NEW LINEAR SLOT DIFFUSER C/W PLENUM BOX. DIFFUSER SHALL HAVE A CABLE OPERATED DAMPER MOUNTED ON NECK. BALANCE TO AIR QUANTITY AS
- INDICATED. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL) PROVIDE 1" WIDE ARCHITECTURAL SLOT FOR RETURN AIR. RETURN SLOT SHALL HAVE SIGHT BAFFLE ABOVE.
- 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.

PROVIDE FRESH AIR SUPPLY FAN IN CEILING SPACE C/W ASSOCIATED UNIT-MOUNTED

- PROVIDE NEW SQUARE CONE DIFFUSER AND BALANCE TO AIR QUANTITY AS INDICATED. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
- PROVIDE NEW RETURN AIR GRILLES. REFER TO DRAWING NO. M-100 FOR
- (10) EXISTING DELTA BAS CONTROLLER IN CEILING SPACE OF THIS FLOOR REMAIN. $\langle \overline{11} \rangle$ Existing thermostat c/w control wiring to remain.

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 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

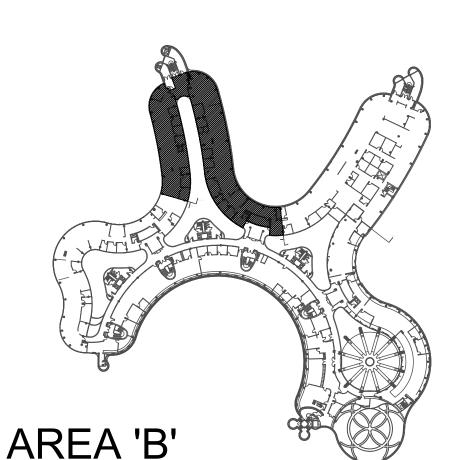
PRIOR TO FAN COIL UNIT INSTALLATION, CONTRACTOR TO PROVIDE A MOCK-UP OF THE HORIZONTAL FAN COIL UNIT FOR YORK REGION'S PM & CONSULTANT'S REVIEW AND COMMENTS. INSTALLATION OF FAN COIL UNIT SHALL NOT PROCEED WITHOUT APPROVAL FROM YORK REGION'S PM & CONSULTANTS.

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.

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
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G.Bruce Stratton Architects

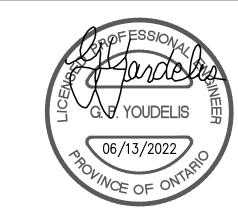
217 Richmond Street West, Suite 300 Toronto Ontario M5V 1W2 telephone: 416.351.8145 facsimile: 416.351.8146

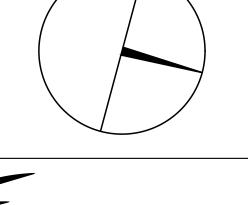




90C Centurian Drive Tel: 905 475 3138 Markham, Ontario L3R 8C5

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







PROPERTY SERVICES

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

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

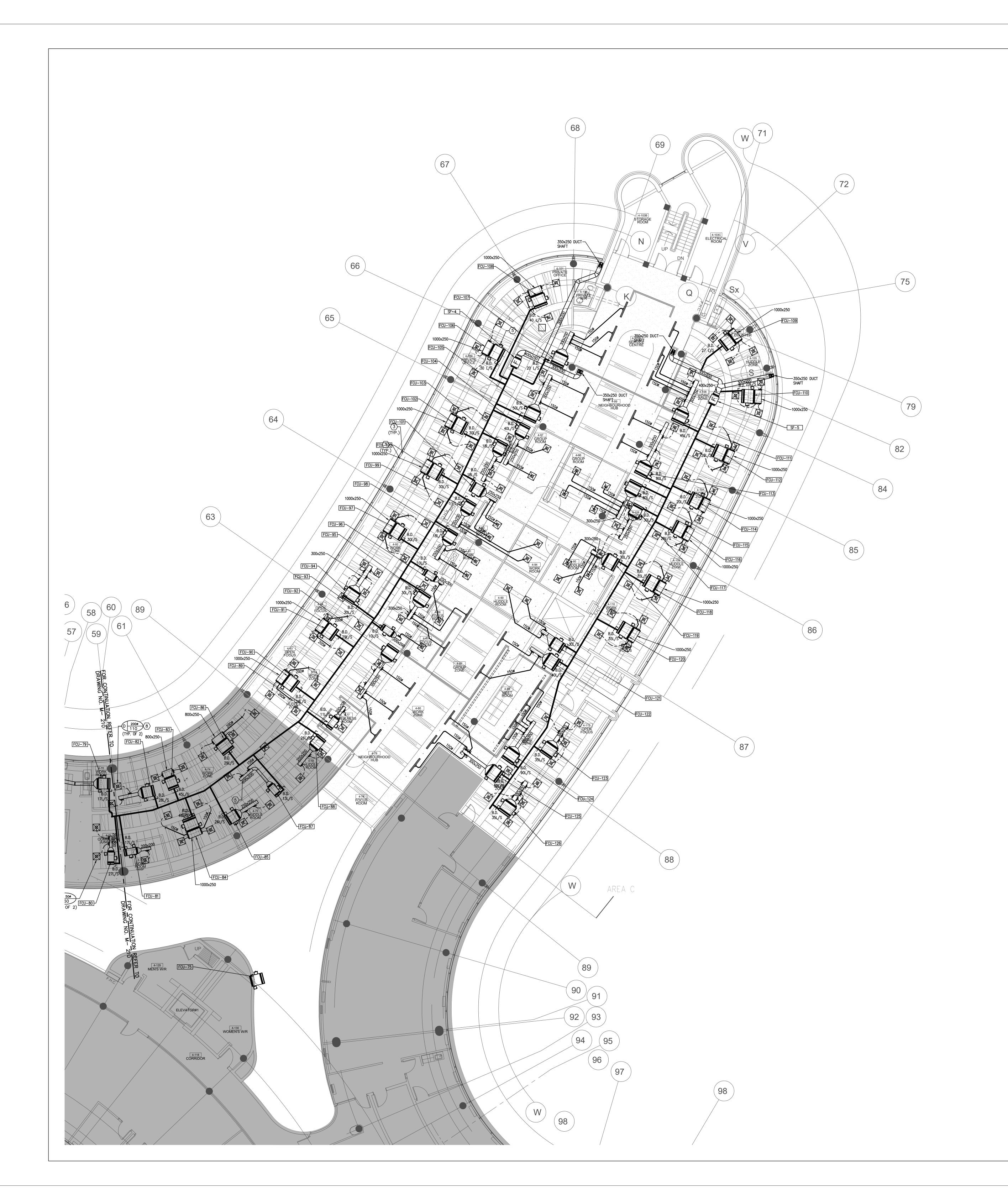
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S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR AREA 'B' **HVAC NEW LAYOUT**



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

3. CONTRACTOR TO COORDINATE WORK ON SITE WITH EXISTING MECHANICAL AND ELECTRICAL 4. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL

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

PANELS/DOORS AS REQUIRED.

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

9. INSTALLATION HEIGHT OF TEMPERATURE SENSORS SHALL BE 4'-0". EXACT LOCATION TO BE COORDINATED ON SITE WITH THE ARCHITECT. (TYPICAL FOR ALL)

- NEW OUTDOOR AIR SUPPLY DUCT FROM THIRD FLOOR C/W FIRE DAMPER.
- PROVIDE NEW FAN COIL UNIT IN CEILING SPACE C/W ASSOCIATED CONTROLS, HANGERS, TO CEILING SLAB AS HIGH AS POSSIBLE. (TYPICAL)
- PROVIDE NEW LINEAR SLOT DIFFUSER C/W PLENUM BOX. DIFFUSER SHALL HAVE A CABLE OPERATED DAMPER MOUNTED ON NECK. BALANCE TO AIR QUANTITY AS
- 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.

PROVIDE FRESH AIR SUPPLY FAN IN CEILING SPACE C/W ASSOCIATED UNIT-MOUNTED

- PROVIDE NEW SQUARE CONE DIFFUSER AND BALANCE TO AIR QUANTITY AS INDICATED.
- PROVIDE NEW RETURN AIR GRILLES. REFER TO DRAWING NO. M-100 FOR

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.

FINAL AIR BALANCING NOTE

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

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ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.

6. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS

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FOR DETAILS. (TYPICAL)

DRAWING NOTES

- NEW RETURN AIR TRANSFER DUCT. SIZE AS INDICATED. REFER TO DETAIL NO. 14/M-103
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- REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)
- (10) EXISTING DELTA BAS CONTROLLER IN CEILING SPACE OF THIS FLOOR REMAIN.
- $\langle \overline{11} \rangle$ Existing thermostat c/w control wiring to remain.

ALL MECHANICAL WORKS INVOLVED IN 3RD FLOOR SHALL BE DONE AFTER HOURS (5:30 PM

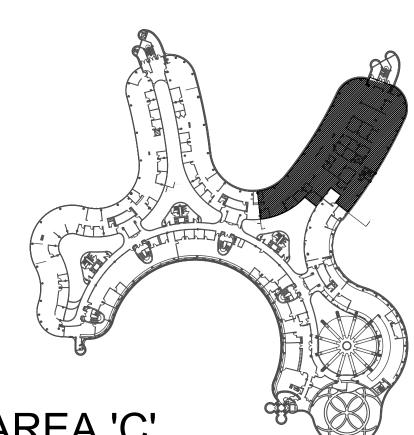
1 PROVIDE FINAL AIR BALANCING AFTER COMPLETION OF MECHANICAL WORK, INCLUDING ALL EXISTING AND NEW OUTDOOR SUPPLY AIR BRANCH DUCTS

FAN COIL UNIT NOTES

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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

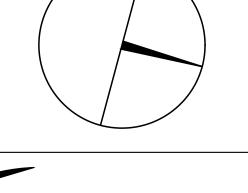
217 Richmond Street West, Suite 300 Toronto Ontario M5V 1W2 telephone: 416.351.8145 facsimile: 416.351.8146



GPY +
Associates Engineering Inc. 90C Centurian Drive Tel: 905 475 3138

Markham, Ontario email: engineering L3R 8C5





Fax: 866 853 3732

@gpyengineering.com

York Region

PROPERTY SERVICES

BUILDING & FACILITIES DEPARTMENT: FLOOR: 4TH

01-01-2022

PROJECT:

BASE DATE:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

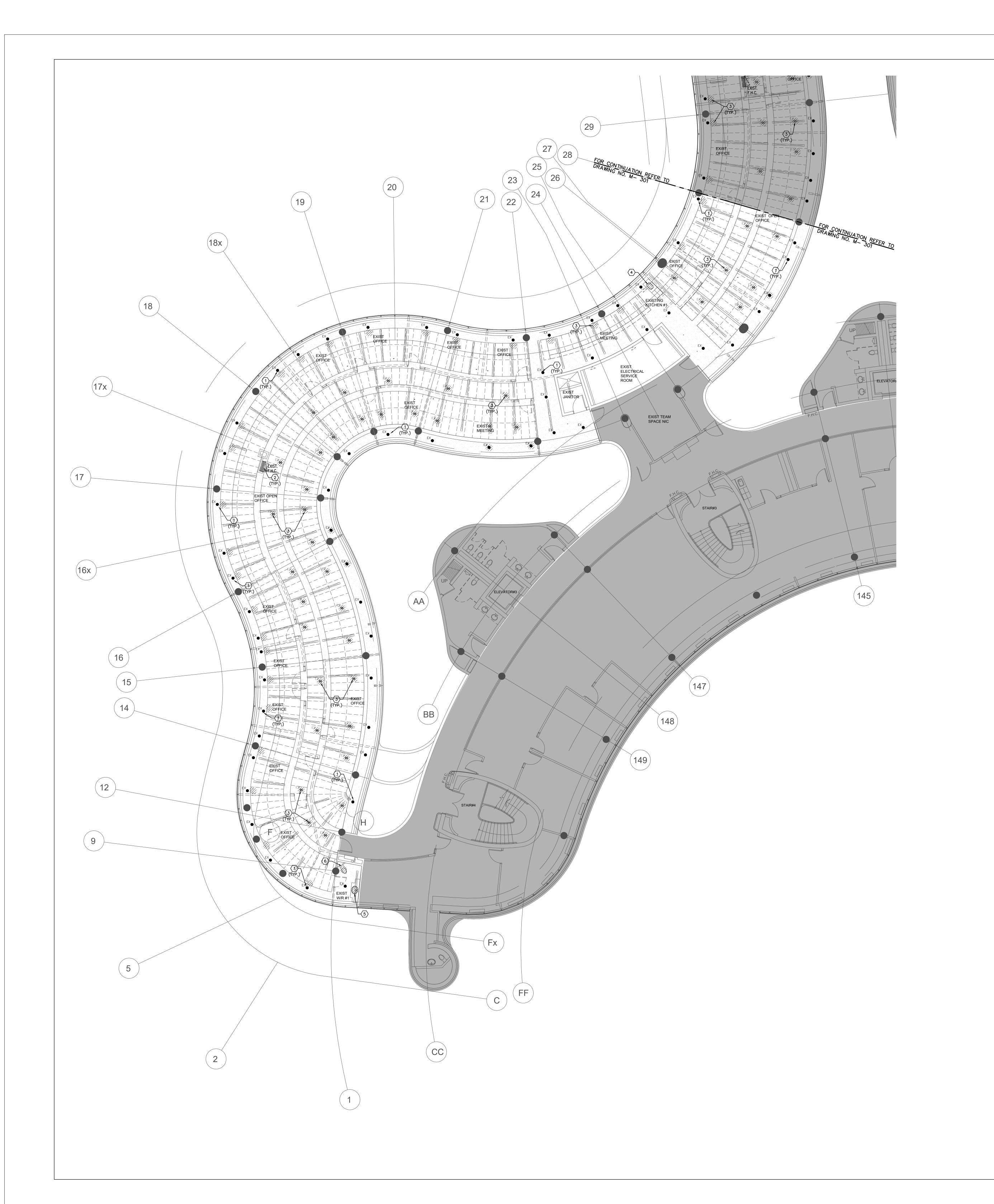
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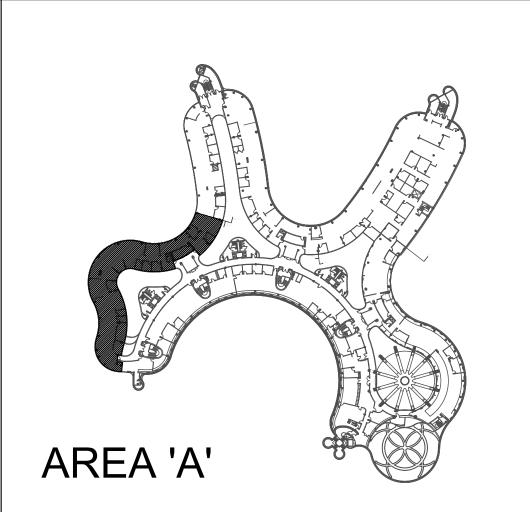
S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR AREA 'C' **HVAC NEW LAYOUT**



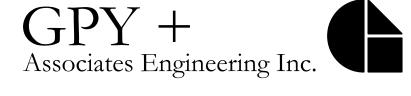


SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	05-31-2022	ISSUED FOR 97% REVIEW
4	06-13-2022	ISSUED FOR TENDER

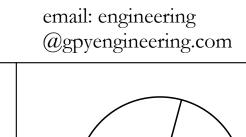
217 Richmond Street West, Suite 300 Toronto Ontario M5V 1W2 telephone: 416.351.8145 facsimile: 416.351.8146

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.

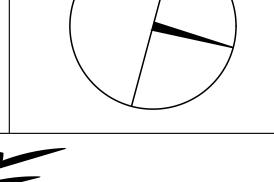
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PROPERTY SERVICES

BUILDING & FACILITIES 4TH 01-01-2022 BASE DATE:

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YORK REGION

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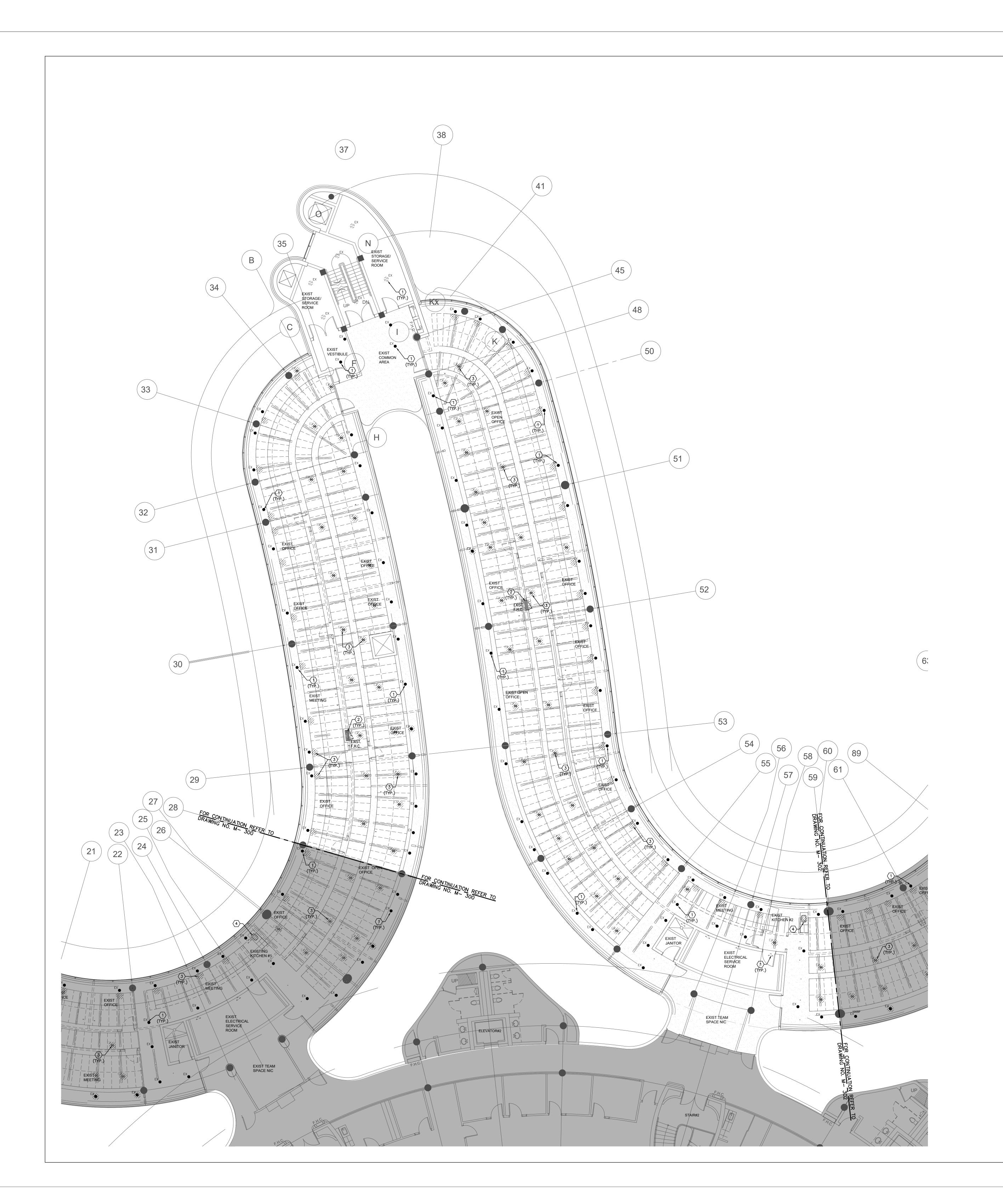
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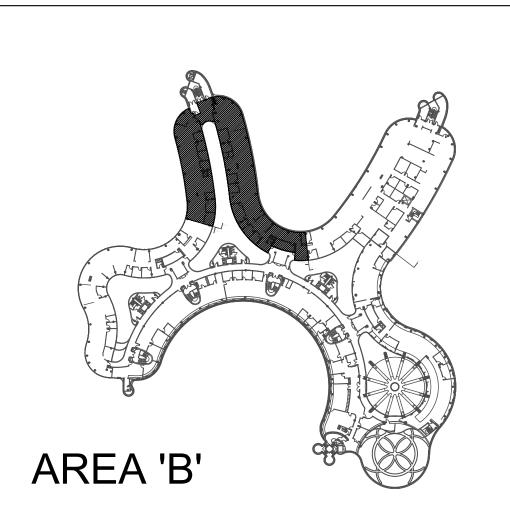
S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

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





SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	06-37-2022	ISSUED FOR 970% IRVENIEW
4	06-13-2022	ISSUED FOR TENDER

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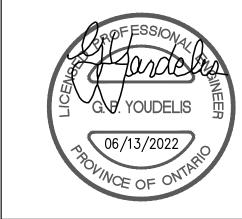
ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN,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

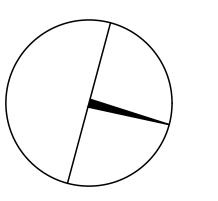
GPY +

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Associates Engineering Inc.

90C Centurian Drive Tel: 905 475 3138 Markham, Ontario L3R 8C5

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







PROPERTY SERVICES

BUILDING & FACILITIES 01-01-2022 BASE DATE:

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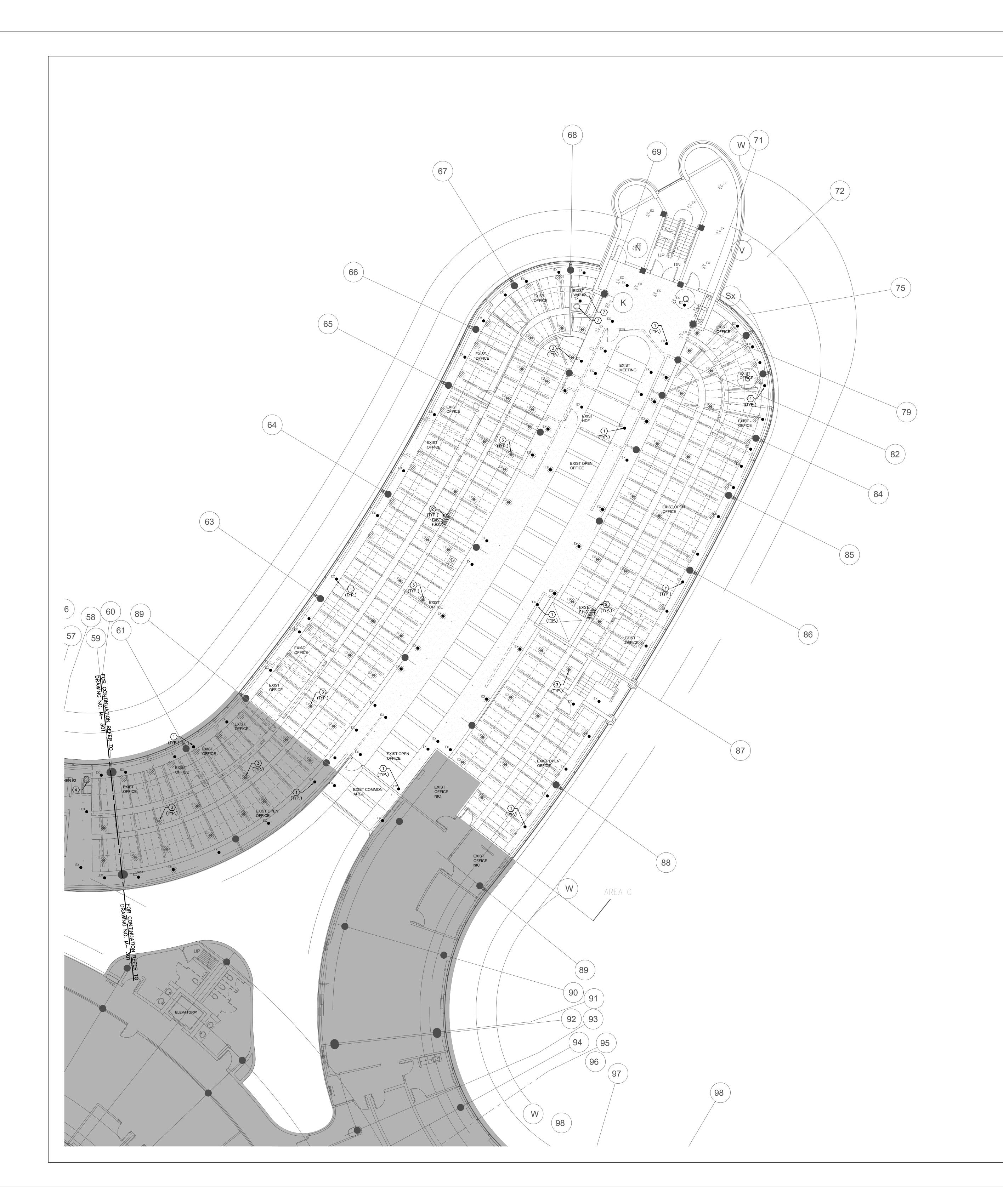
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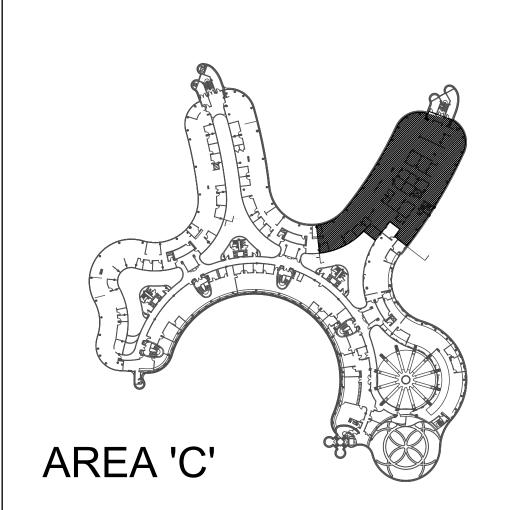
S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

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

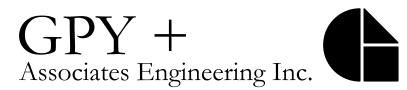




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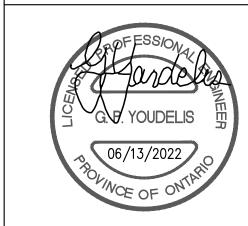
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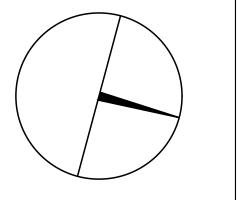
Markham, Ontario

90C Centurian Drive Tel: 905 475 3138 Unit 6 Fax: 866 853 3732

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



L3R 8C5





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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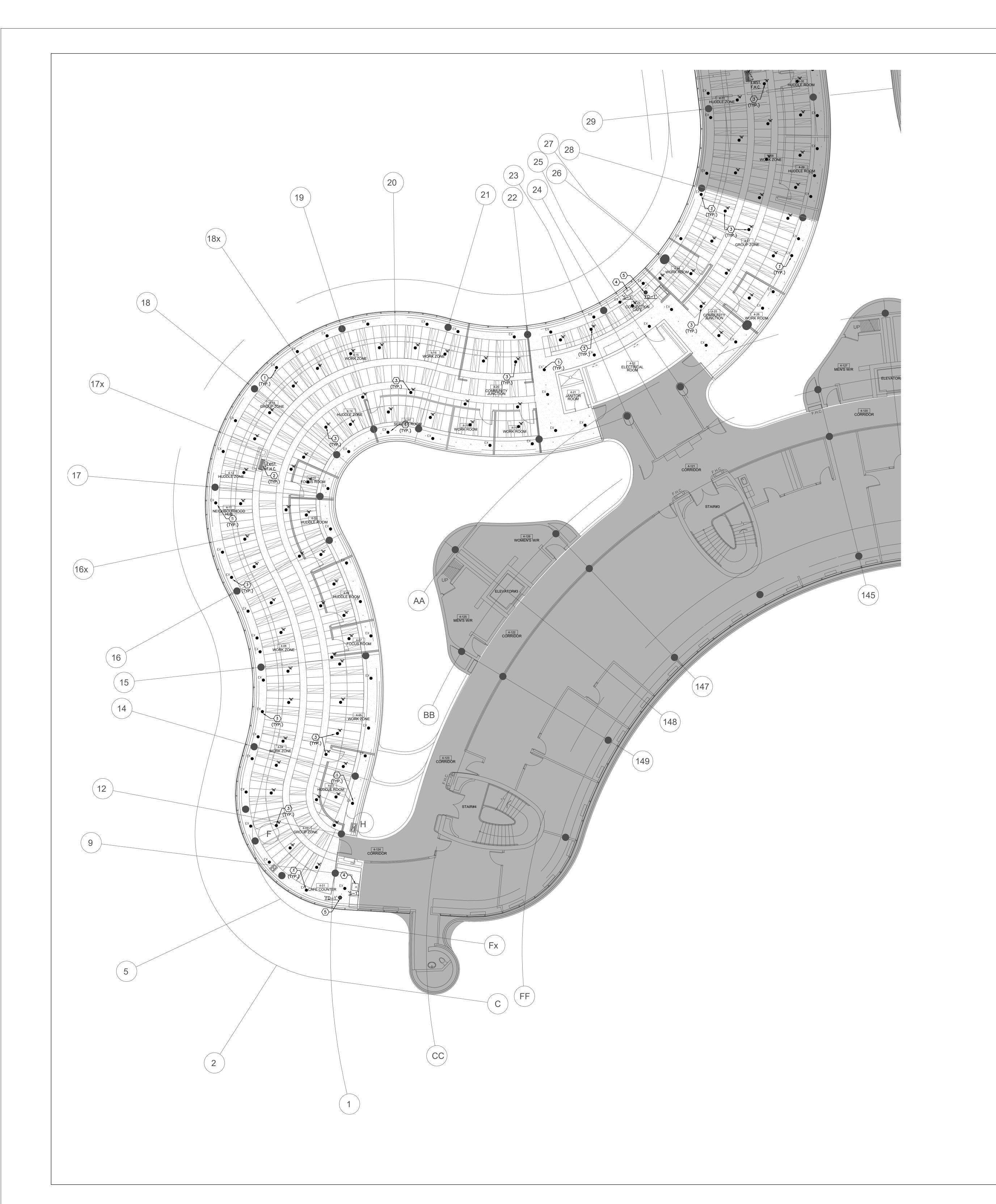
MUNICIPALITY OF YORK

SHEET TITLE:

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

SHEET NUMBER:

MI-302



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 DECIMAL.
- 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
- 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
- SEALED, CAPPED, AND MADE GOOD.

10. ALL REDUNDANT AND OBSOLETE OPENINGS IN SLAB SHALL BE FIRE STOPPED,

- 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)

SPACE ON FLOOR BELOW. (TYPICAL)

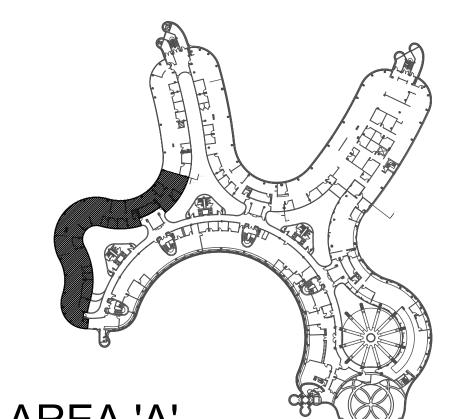
SYSTEM WITHIN THE AREA OF WORK.

ACCESS PANELS/DOORS AS REQUIRED.

- 2 EXISTING FIRE HOSE CABINET C/W 22 METER LONG FIRE HOSE TO REMAIN. (TYPICAL) 3 PROVIDE NEW PENDANT SPRINKLER HEAD. (TYPICAL)
- PROVIDE NEW SINK 'S-1' C/W ASSOCIATED FAUCET, MODIFY AND EXTEND PLUMBING AND SANITARY PIPING TO SUTTINITY INSTALLATION OF NEW SINK. REFER TO DRAWING NO. M-100
- FOR SPECIFICATIONS. (TYPICAL) PROVIDE NEW 50Ø FLOOR DRAIN 'FD-1' C/W ASSOCIATED SANITARY DRAIN PIPING.
 CONNECT NEW SANITARY DRAIN PIPE TO NEAREST EXISTING SANITARY LINE IN CEILING
- 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 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 '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

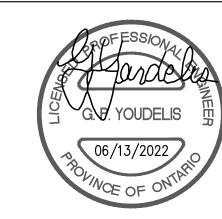
217 Richmond Street West, Suite 300 Toronto Ontario M5V 1W2 telephone: 416.351.8145 facsimile: 416.351.8146



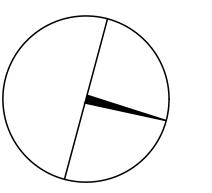


90C Centurian Drive Markham, Ontario

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



L3R 8C5





PROPERTY SERVICES

BUILDING & FACILITIES 4TH 01-01-2022 BASE DATE:

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

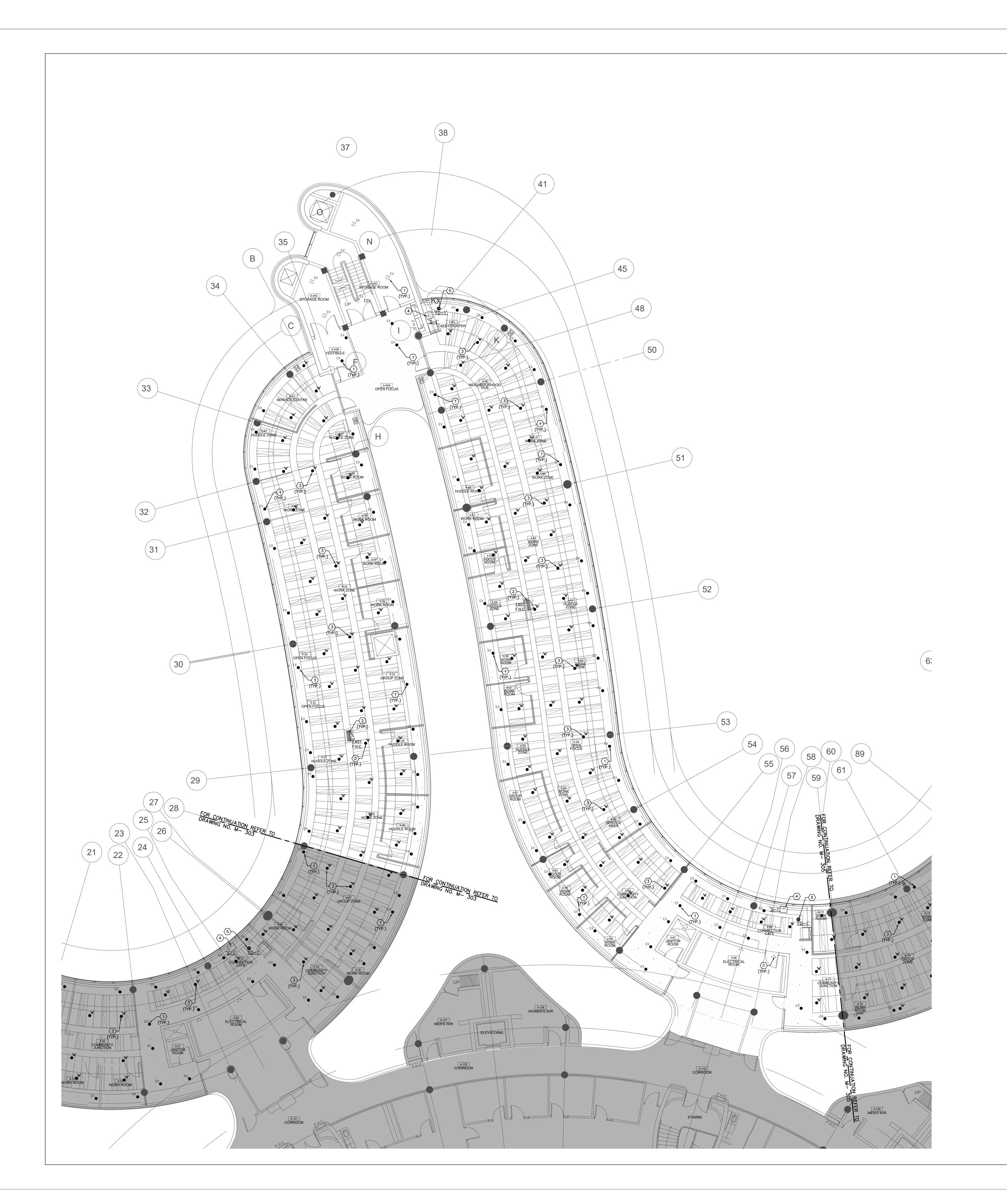
SCALE: 1:100m

S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

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



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 DECLINED.

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)

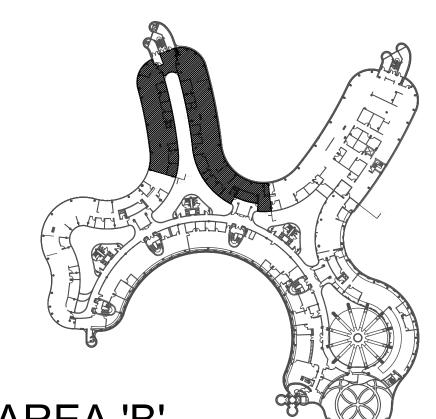
PROVIDE NEW SINK 'S-1' C/W ASSOCIATED FAUCET, MODIFY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW SINK. REFER TO DRAWING NO. M-100 FOR SPECIFICATIONS. (TYPICAL)

PROVIDE NEW 500 FLOOR DRAIN 'FD-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 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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1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	06-37-2022	ISSUED FOR 970% R/E6/IEW
4	06-13-2022	ISSUED FOR TENDER

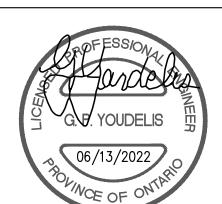
G.Bruce Stratton Architects

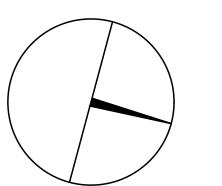
217 Richmond Street West, Suite 300 Toronto Ontario M5V 1W2 telephone: 416.351.8145 facsimile: 416.351.8146



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Associates Engineering Inc. Tel: 905 475 3138

90C Centurian Drive Markham, Ontario L3R 8C5





Fax: 866 853 3732

email: engineering

@gpyengineering.com



PROPERTY SERVICES

BUILDING & FACILITIES 01-01-2022 BASE DATE:

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

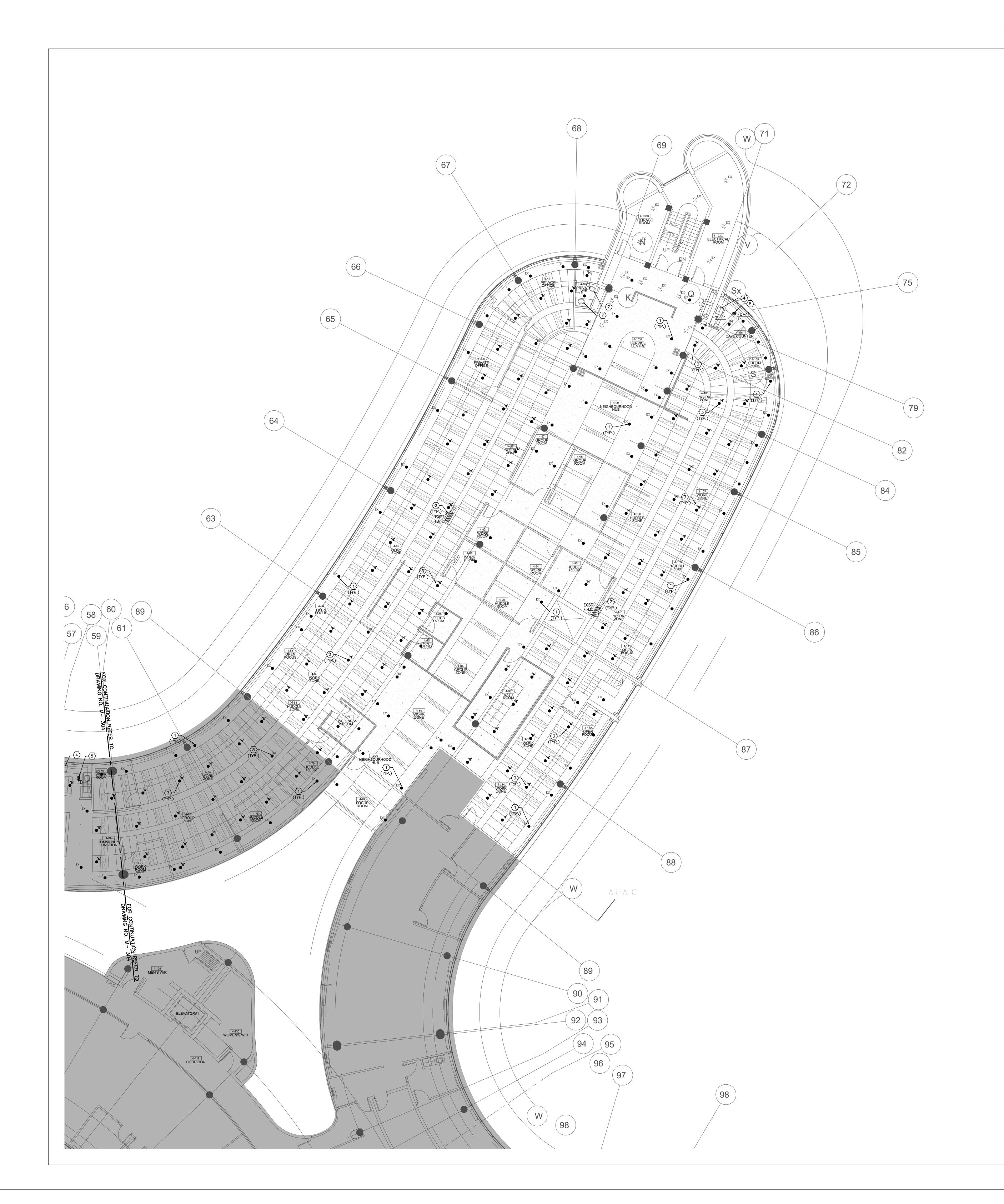
SCALE: 1:100m

S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

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



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.
- 3. 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.
- 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 CULTING AND PATCHING OF FYISTING DRYWALL CEILING TO
- 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)

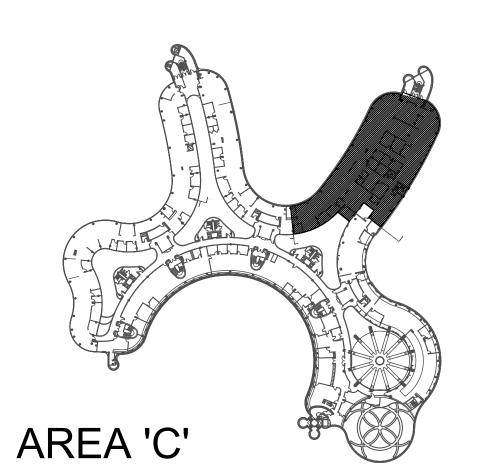
 3 PROVIDE NEW PENDANT SPRINKLER HEAD. (TYPICAL)
- PROVIDE NEW SINK 'S-1' C/W ASSOCIATED FAUCET, MODIFY AND EXTEND PLUMBING AND SANITARY PIPING TO SUIT INSTALLATION OF NEW SINK. REFER TO DRAWING NO. M-100
- FOR SPECIFICATIONS. (TYPICAL)

 5) PROVIDE NEW 500 FLOOR DRAIN 'FD-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 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.



SUBMISSION	DATE	DESCRIPTION
1	03-14-2022	ISSUED FOR 60% REVIEW
2	04-26-2022	ISSUED FOR 80% REVIEW
3	06-37-2022	ISSUED FOR 970% RAES/IEW
4	06-13-2022	ISSUED FOR TENDER

G.Bruce Stratton Architects

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



Markham, Ontario

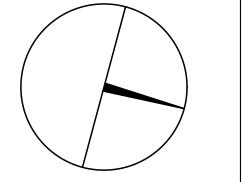
Associates Enginee

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



L3R 8C5





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

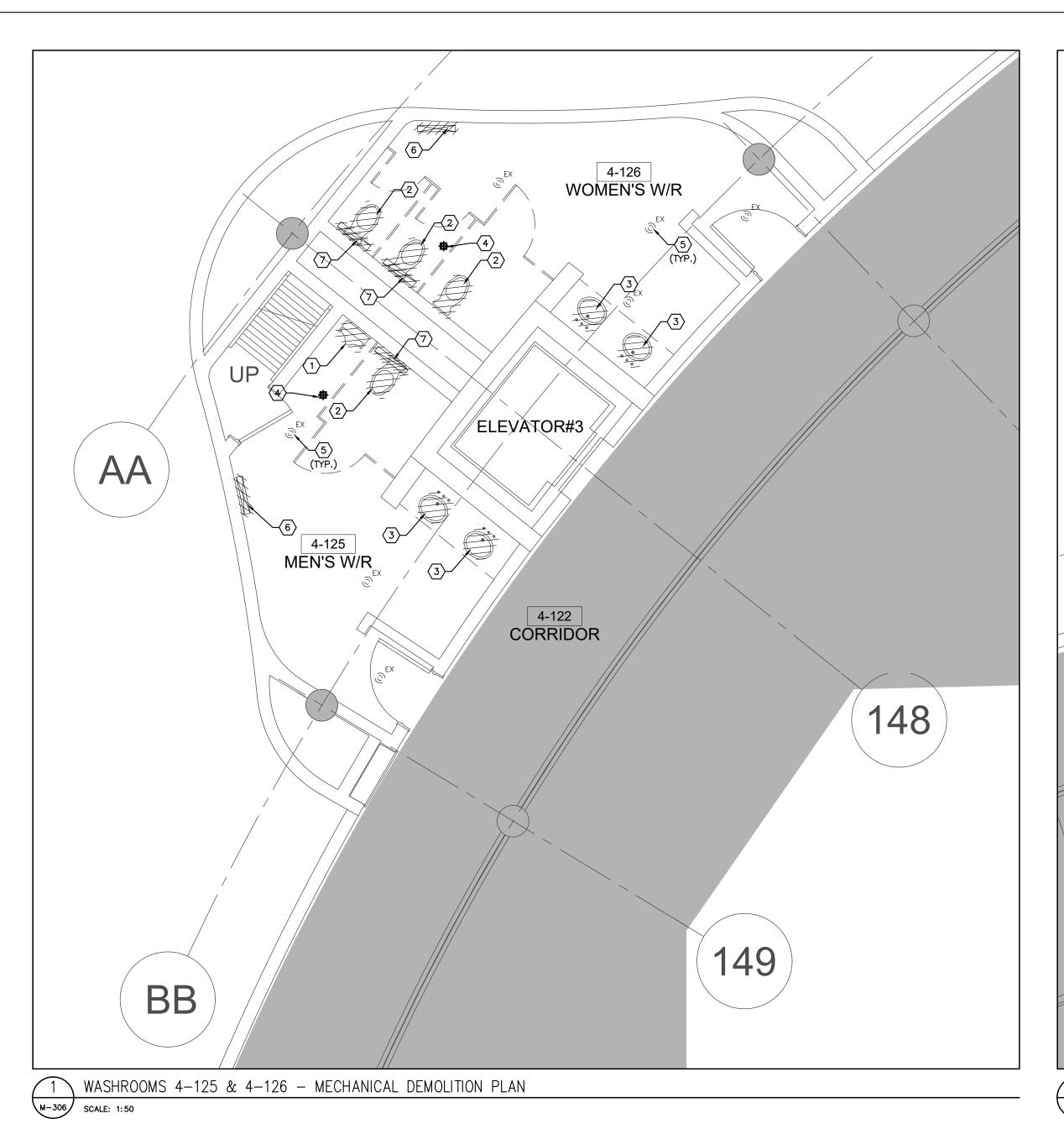
RAWN BY: S.P.R./G.G.

JBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

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

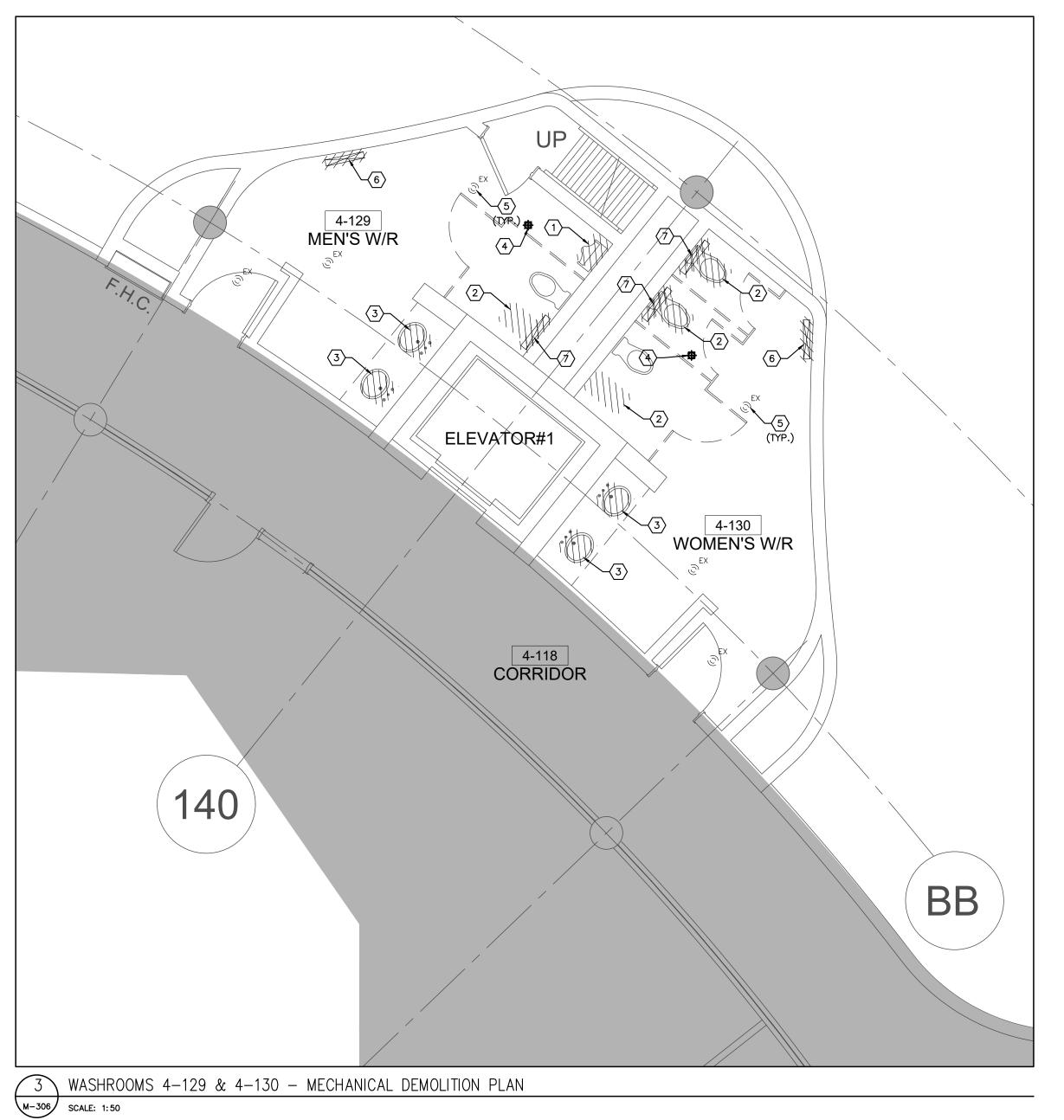
SHEET NUMBER:





WASHROOMS 4-127 & 4-128 - 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
- 3. 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.
- 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.

DRAWING NOTES

- EXISTING URINAL C/W ASSOCIATED FLUSH VALVE TO BE REMOVED. EXISTING PLUMBING & DRAINAGE PIPING TO REMAIN FOR NEW FIXTURE INSTALLATION. (TYPICAL)

 EXISTING WATER CLOSET C/W ASSOCIATED FLUSH VALVE, FLOOR FLANGE AND CARRIER
- (2) EXISTING WATER CLOSET C/W ASSOCIATED FLUSH VALVE, FLOOR FLANGE AND CARRIER TO BE REMOVED. EXISTING PLUMBING & DRAINAGE PIPING TO REMAIN FOR NEW FIXTURE INSTALLATION. (TYPICAL)
- EXISTING LAVATORY C/W ASSOCIATED FAUCET TO BE REMOVED. EXISTING PLUMBING & DRAINAGE PIPING TO REMAIN FOR NEW FIXTURE 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)
- REMAIN FOR INSTALLATION OF NEW SUPPLY AIR SLOT. (TYPICAL)

 (7) EXISTING EXHAUST AIR GRILLES TO BE REMOVED. EXISTING CONNECTED DUCTWORK TO REMAIN FOR INSTALLATION OF NEW EXHAUST GRILLES. (TYPICAL)

UBMISSION	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

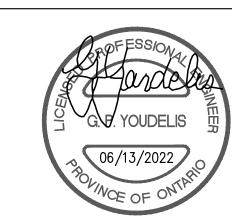
217 Richmond Street West, Suite 300 Toronto Ontario M5V 1W2 telephone: 416.351.8145 facsimile: 416.351.8146

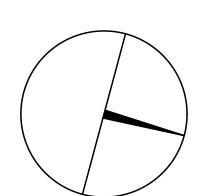




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email: engineering
@gpyengineering.com







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:

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

SUBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

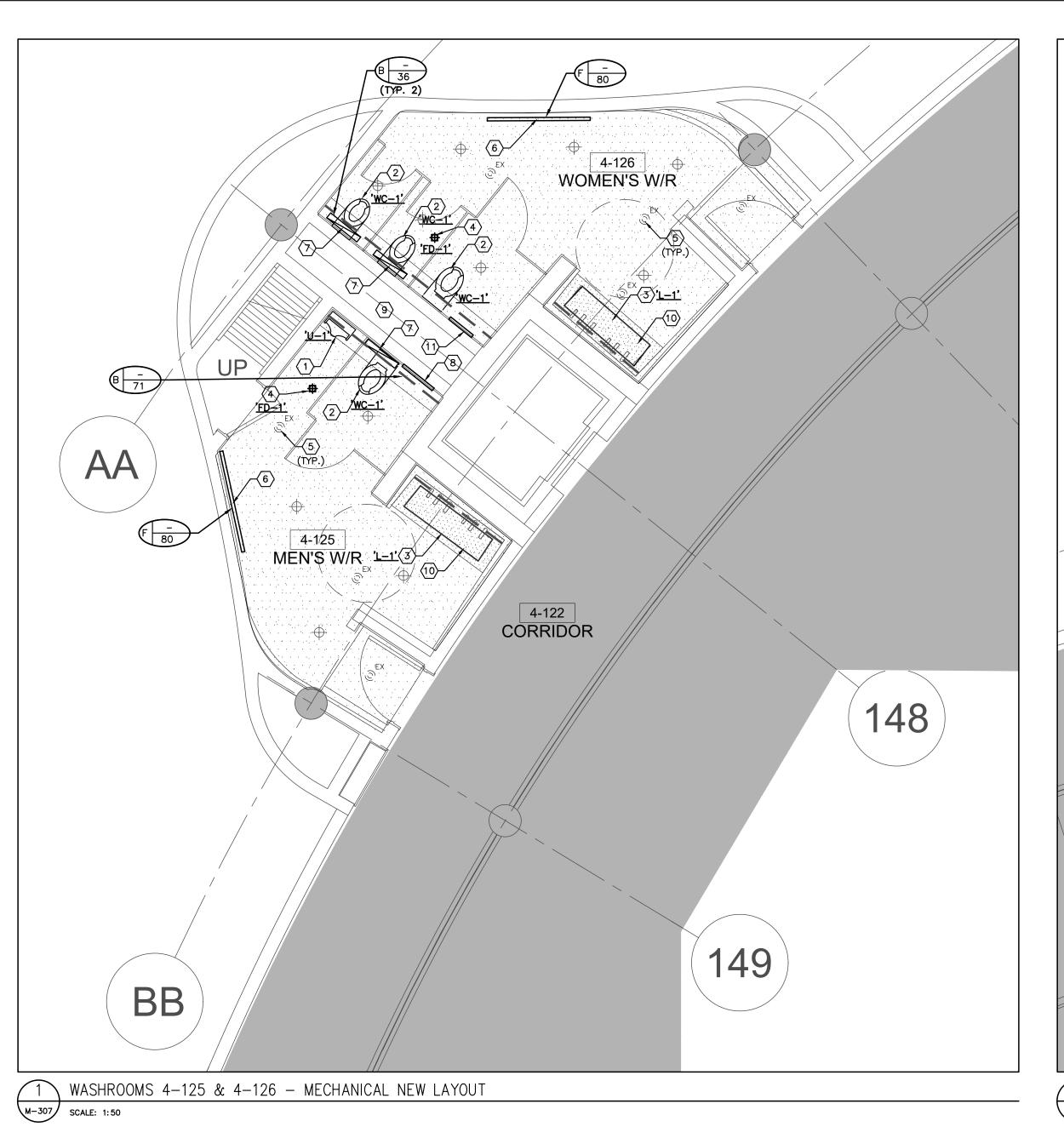
4TH FLOOR WASHROOMS

MECHANICAL

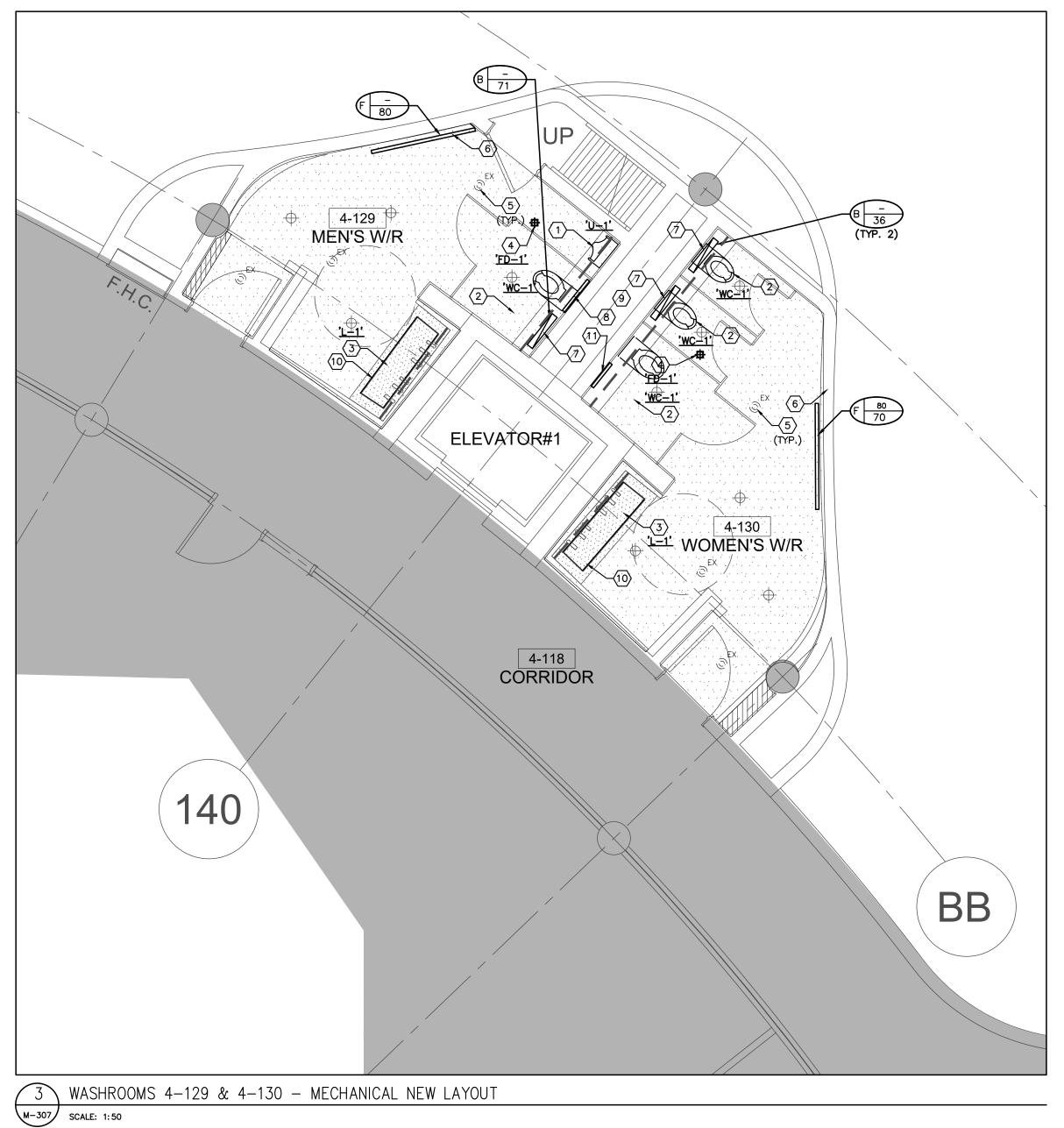
DEMOLITION PLAN

HEET NUMBER:

MBER: 06







- 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
- 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
- 7. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE
- 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 10. PROVIDE NEW ISOLATION VALVES FOR ALL PLUMBING FIXTURES.

DRAWING NOTES

- PROVIDE NEW URINAL '<u>U-1'</u> 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) 2 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 CLEANOUT PLUG ON THE BOTTOM OF THE TRAP. (TYPICAL). LAVATORY SHALL BE ONLY INSTALLED BY LOVAIR TRAINED PERSONNEL. FAUCET AND HAND SOAP DISPENSER TO BE INSTALLED BY
- PROVIDE NEW FLOOR DRAIN <u>'FD-1'</u> 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)

MECHANICAL TRADES AND ELECTRICAL CONNECTION BY DIV. 16. (SEE ADDITIONAL NOTES

- 5 EXISTING SPRINKLER HEAD TO REMAIN. (TYPICAL)
- NEW ARCHITECTURAL PLENUM SLOT DIFFUSER, MODIFY/EXTEND EXISTING DUCTWORK TO SUIT INSTALLATION OF NEW DIFFUSER. 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 DUCT FLANGE ON SITE. MODIFY/EXTEND EXISTING DUCTWORK AS REQUIRED. (TYPICAL)
- PROVIDE NEW 600x600 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.

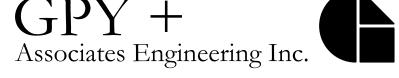
PRIOR TO INSTALLATION OF LAVATORY FAUCET AND SOAP DISPENSER, CONTRACTOR SHALL PROVIDE A SKETCH SHOWING PIPING ARRANGEMENT, WIRING ROUTING AND CLEARANCES FOR ACCESSING EQUIPMENT FOR MAINTENANCE OR SERVICING. THE SKETCH SHALL BE SUBMITTED TO YORK REGION'S PM FOR REVIEW AND APPROVAL. WORK SHALL NOT PROCEED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

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G.Bruce Stratton Architects

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





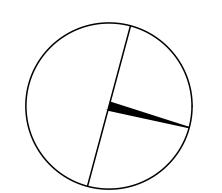
90C Centurian Drive Markham, Ontario

Tel: 905 475 3138 Fax: 866 853 3732 email: engineering

@gpyengineering.com



L3R 8C5





PROPERTY SERVICES

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

PROJECT:

PROJECT #9907

YORK REGION

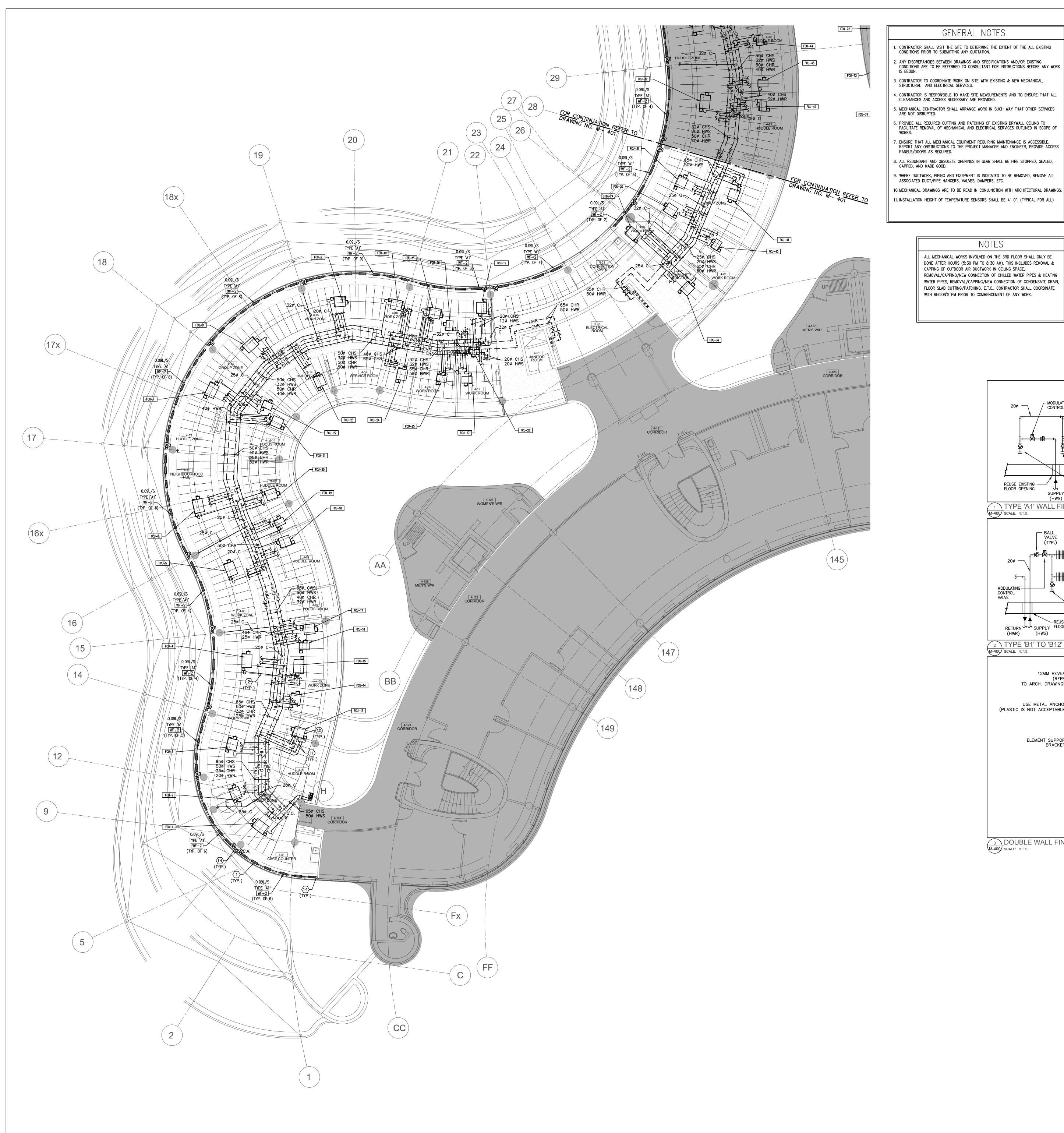
Administrative Centre 17250 Yonge Street Newmarket, Ontario

SCALE: AS NOTED

S.P.R./G.G. MUNICIPALITY OF YORK

SHEET TITLE: 4TH FLOOR WASHROOMS

MECHANICAL **NEW LAYOUT**



- 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
- 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.
- 7. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS
- 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)

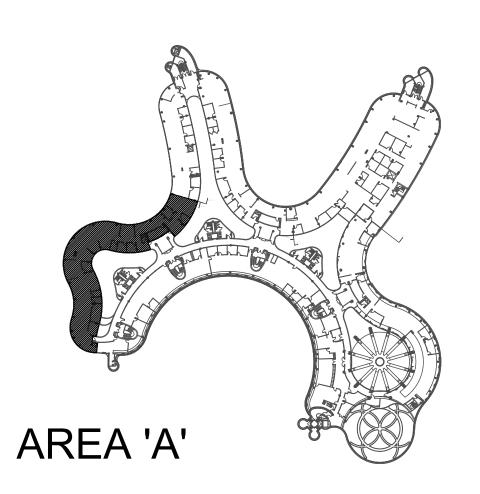
ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN,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

DRAWING NOTES

- 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)
- 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) NEW JANITOR ROOM FLOOR WATER DETECTION SENSOR. PROVIDE NECESSARY CONTROL WIRING, FLOOR SLAB CUTTING/PATCHING AS REQUIRED.
- DROP NEW 650 CHILLED WATER SUPPLY PIPE TO 3RD FLOOR CEILING SPACE AND CONNECT TO EXISTING SERVICES. REFER TO 3RD FLOOR MECHANICAL NEW LAYOUT.
- PROVIDE NEW 200 HEATING WATER SUPPLY/RETURN WATER PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING VALVE, CONTROL VALVE AND CONTROL WIRING.
- CONNECT NEW CONDENSATE DRAIN PIPE TO EXISTING STORM DRAIN PIPING IN CEILING SPACE AT THIS APPROXIMATE LOCATION. PIPE SHALL BE CONNECTED VERTICALLY. TERMINATE NEW CONDENSATE DRAIN PIPE AT EXISTING JANITOR'S SINK. PROVIDE FLOOD SENSOR IN JAN. CLOSET. (TYPICAL).
- 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
- PRESSURE TEST ALL NEW PIPING FOR 24 HOURS WITH NO LOSS OF PRESSURE PRIOR TO INSULATING FITTINGS AND OPENING MAIN VALVES. (TYPICAL)
- NEW FAN COIL UNIT IN CEILING SPACE. INSTALL UNIT TIGHT TO CEILING SLAB AS HIGH AS POSSIBLE. PROVIDE UNIT SUPPORTS AS REQUIRED. (TYPICAL) PROVIDE NEW 250 CHILLED WATER SUPPLY/RETURN WATER PIPE & 200 HEATING WATER SUPPLY/ RETURN PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING
- NEW WALL FIN RAD ENCLOSURE SHALL BE CONTINUOUS FROM WALL TO WALL. PROVIDE END CAPS NEAR WALL AS REQUIRED. ENCLOSURE SHALL HAVE ACCESS PANEL WHERE CONTROL VALVES ARE LOCATED. ENCLOSURE SHALL BE ACCESSIBLE AT ALL TIMES.

VALVE, CONTROL VALVE AND CONTROL WIRING. (TYPICAL)

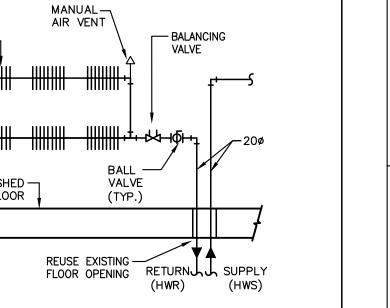
- (13) AT EACH CHANGE OF DIRECTION ON CHILLED WATER PIPING CONTRACTOR TO PROVIDE OFFSET AS PER MECHANICAL DETAIL NO. 10/M-102. (TYPICAL)
- (14) NEW 200 HEATING SUPPLY/RETURN PIPE FROM NEW/EXISTING HEATING SUPPLY/RETURN PIPE MAIN LOCATED IN THIRD FLOOR CEILING SPACE. PROVIDE AN ALLOWANCE FOR FLOOR SLAB CUTTING/ DRILLING/ FIRE-STOPPING AS REQUIRED. CONTRACTOR TO ENSURE ALL PIPING ARE ENCLOSED WITHIN RAD ENCLOSURE. PROVIDE ALL NECESSARY FITTING/PIPE EXTENSION AS REQUIRED.



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

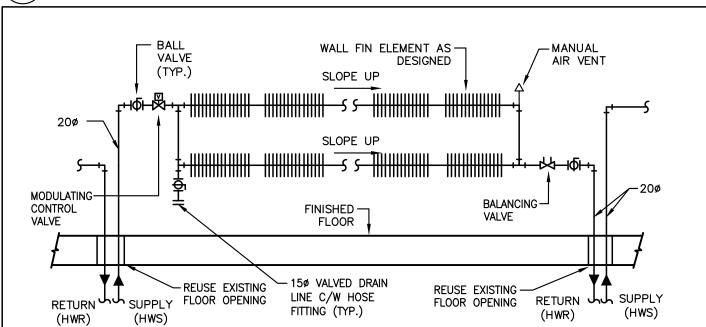
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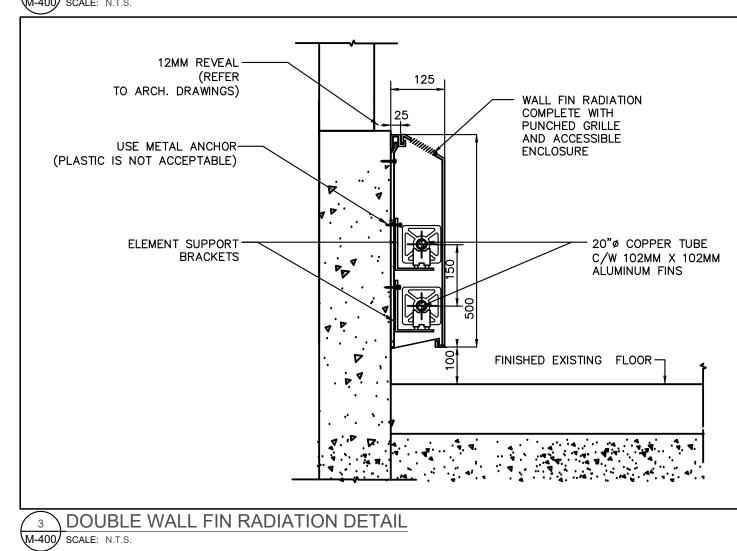


1 TYPE 'A1' WALL FIN RADIATION PIPING SCHEMATIC
M-400 SCALE: N.T.S.

15ø VALVED DRAIN LINE C/W HOSE FITTING (TYP.)

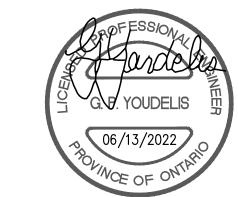


TYPE 'B1' TO 'B12' WALL FIN RADIATION PIPING SCHEMATIC SCALE: N.T.S.

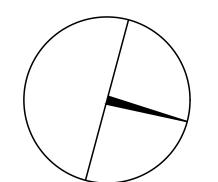


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L3R 8C5



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PROPERTY SERVICES

BUILDING & FACILITIES 01-01-2022 BASE DATE:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

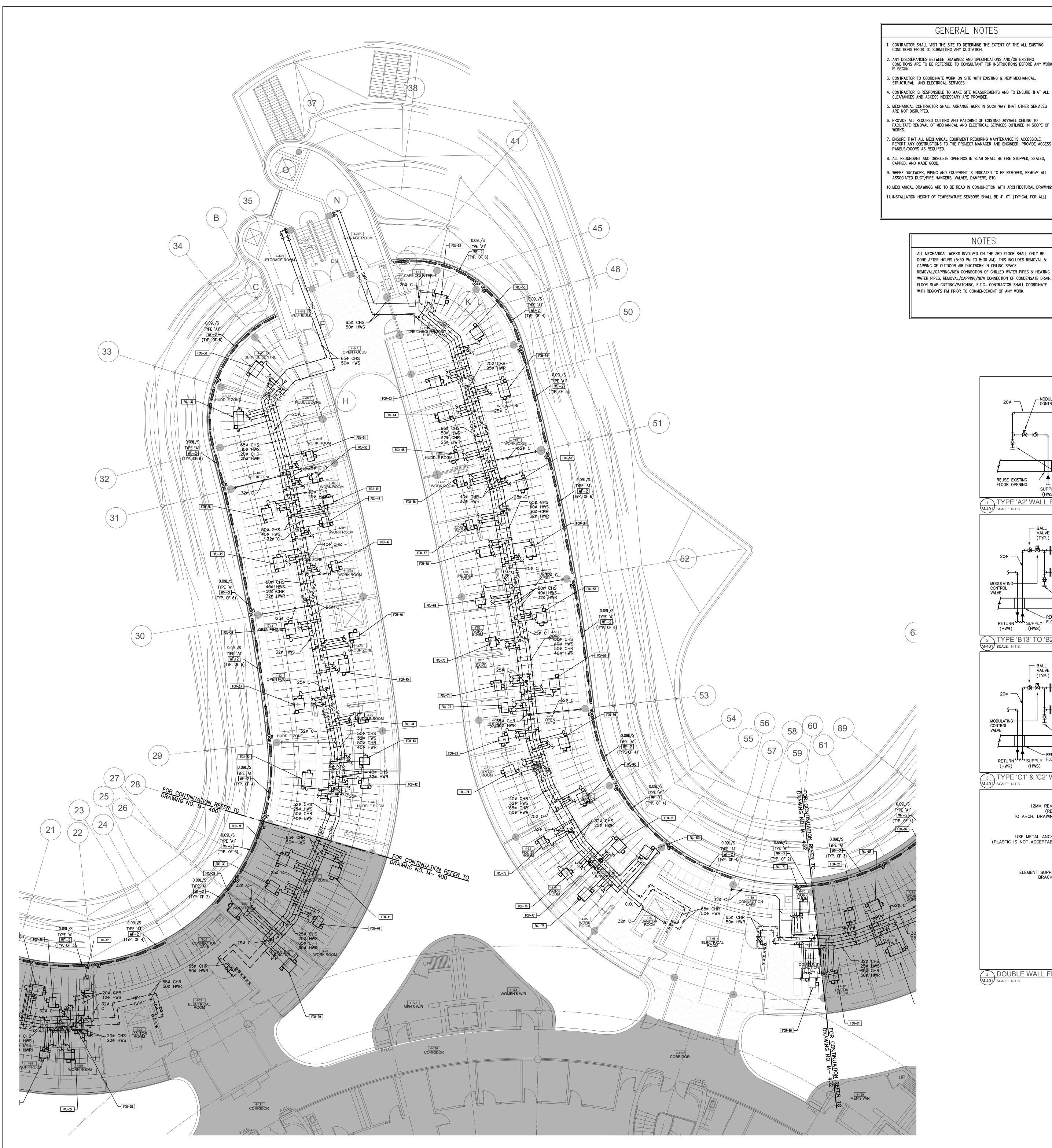
SCALE: 1:100m

PROJECT:

S.P.R./G.G.

MUNICIPALITY OF YORK SHEET TITLE:

> PARTIAL 4TH FLOOR AREA 'A' HYDRONIC NEW LAYOUT



- 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.
- 6. PROVIDE ALL REQUIRED CUTTING AND PATCHING OF EXISTING DRYWALL CEILING TO FACILITATE REMOVAL OF MECHANICAL AND ELECTRICAL SERVICES OUTLINED IN SCOPE OF
- 7. ENSURE THAT ALL MECHANICAL EQUIPMENT REQUIRING MAINTENANCE IS ACCESSIBLE. REPORT ANY OBSTRUCTIONS TO THE PROJECT MANAGER AND ENGINEER, PROVIDE ACCESS
- 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)

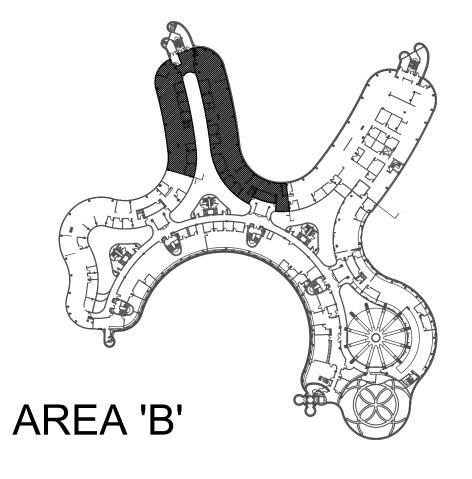
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DRAWING NOTES

- 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)
- 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) NEW JANITOR ROOM FLOOR WATER DETECTION SENSOR. PROVIDE NECESSARY CONTROL
- WIRING, FLOOR SLAB CUTTING/PATCHING AS REQUIRED. DROP NEW 650 CHILLED WATER SUPPLY PIPE TO 3RD FLOOR CEILING SPACE AND CONNECT TO EXISTING SERVICES. REFER TO 3RD FLOOR MECHANICAL NEW LAYOUT.
- PROVIDE NEW 200 HEATING WATER SUPPLY/RETURN WATER PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING VALVE, CONTROL VALVE AND CONTROL WIRING.
- CONNECT NEW CONDENSATE DRAIN PIPE TO EXISTING STORM DRAIN PIPING IN CEILING SPACE AT THIS APPROXIMATE LOCATION. PIPE SHALL BE CONNECTED VERTICALLY.
- TERMINATE NEW CONDENSATE DRAIN PIPE AT EXISTING JANITOR'S SINK. PROVIDE FLOOD SENSOR IN JAN. CLOSET. (TYPICAL).
- DROP NEW 500 CHILLED WATER RETURN PIPE TO 3RD FLOOR CEILING SPACE AND CONNECT TO EXISTING RISER AT ELECTRICAL ROOM. REFER TO 3RD FLOOR MECHANICAL
- 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)
- PROVIDE NEW 250 CHILLED WATER SUPPLY/RETURN WATER PIPE & 200 HEATING WATER SUPPLY/ RETURN PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING VALVE, CONTROL VALVE AND CONTROL WIRING. (TYPICAL)

PRESSURE TEST ALL NEW PIPING FOR 24 HOURS WITH NO LOSS OF PRESSURE PRIOR TO

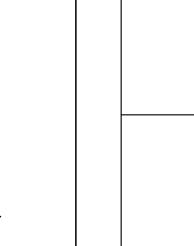
- NEW WALL FIN RAD ENCLOSURE SHALL BE CONTINUOUS FROM WALL TO WALL. PROVIDE END CAPS NEAR WALL AS REQUIRED. ENCLOSURE SHALL HAVE ACCESS PANEL WHERE CONTROL VALVES ARE LOCATED. ENCLOSURE SHALL BE ACCESSIBLE AT ALL TIMES.
- (13) AT EACH CHANGE OF DIRECTION ON CHILLED WATER PIPING CONTRACTOR TO PROVIDE OFFSET AS PER MECHANICAL DETAIL NO. 10/M-102. (TYPICAL)
- (14) NEW 200 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.



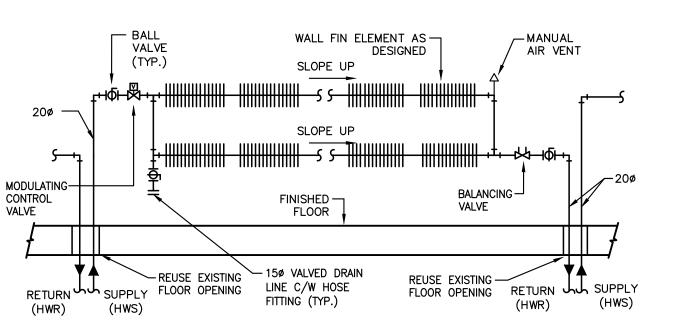
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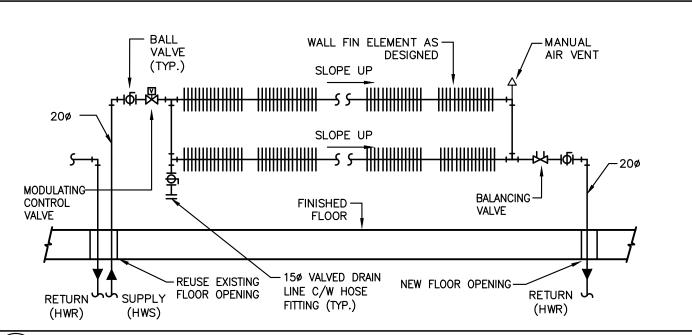
G.Bruce Stratton Architects

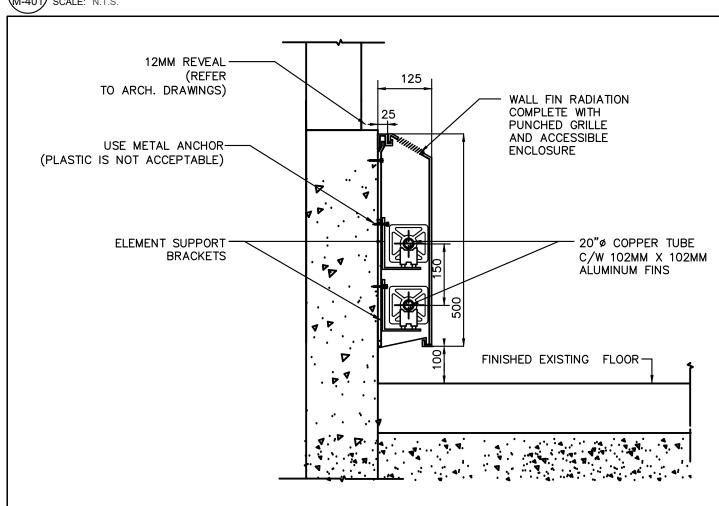
217 Richmond Street West, Suite 300 Toronto Ontario M5V 1W2 telephone: 416.351.8145 facsimile: 416.351.8146



TYPE 'A2' WALL FIN RADIATION PIPING SCHEMATIC
M-401 SCALE: N.T.S.





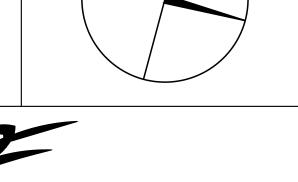


4 DOUBLE WALL FIN RADIATION DETAIL SCALE: N.T.S.



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PROPERTY SERVICES

York Region

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

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

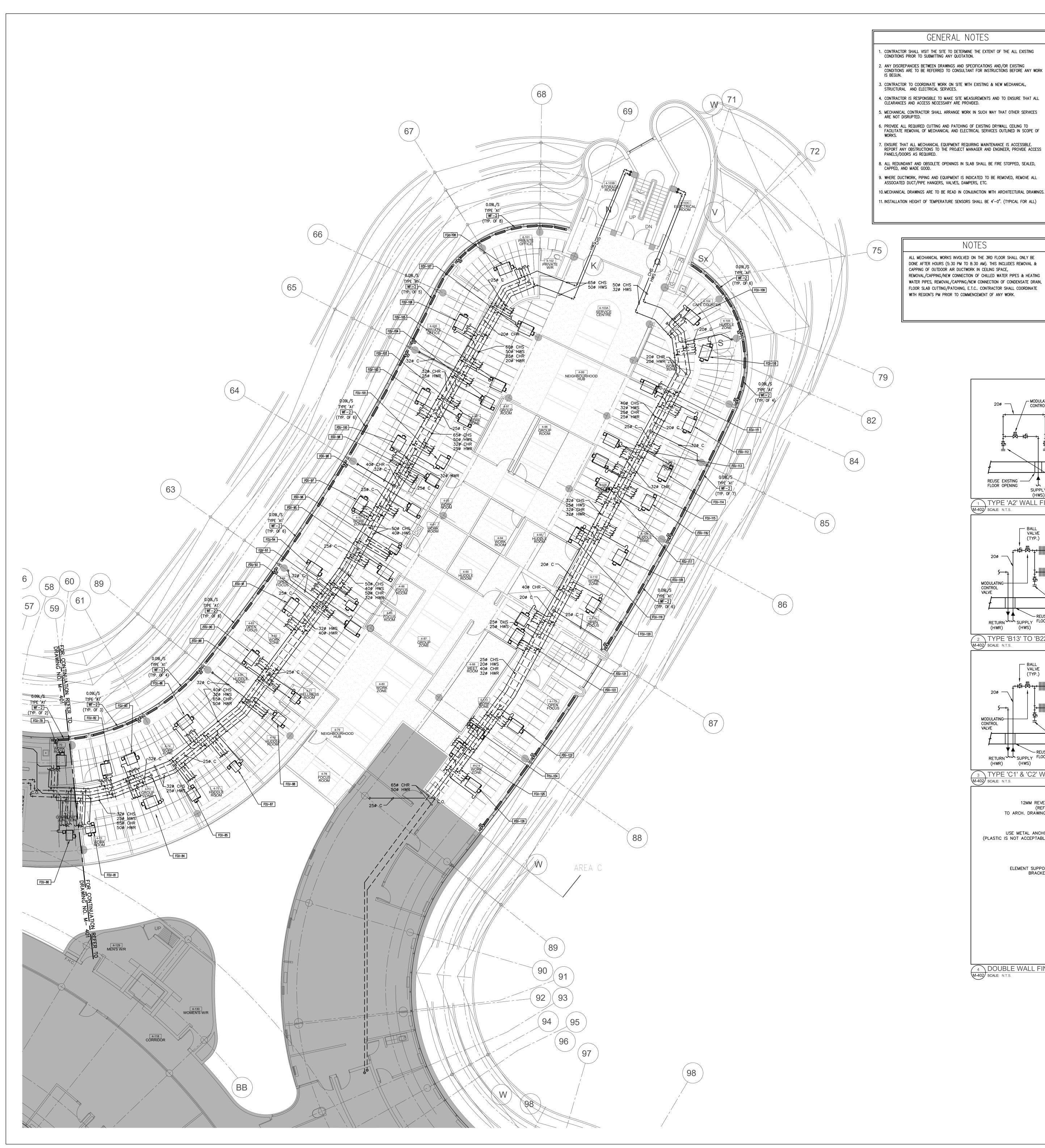
SCALE: 1:100m

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

MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR AREA 'B' HYDRONIC NEW LAYOUT



DRAWING NOTES

- NEW FLOOR MOUNTED WALL-FIN CABINET RADIATOR C/W ENCLOSURE. PROVIDE NEW 1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION. 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)
 - 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)
 - NEW JANITOR ROOM FLOOR WATER DETECTION SENSOR. PROVIDE NECESSARY CONTROL WIRING, FLOOR SLAB CUTTING/PATCHING AS REQUIRED.
 - DROP NEW 650 CHILLED WATER SUPPLY PIPE TO 3RD FLOOR CEILING SPACE AND CONNECT TO EXISTING SERVICES. REFER TO 3RD FLOOR MECHANICAL NEW LAYOUT.
 - PROVIDE NEW 200 HEATING WATER SUPPLY/RETURN WATER PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING VALVE, CONTROL VALVE AND CONTROL WIRING.
 - CONNECT NEW CONDENSATE DRAIN PIPE TO EXISTING STORM DRAIN PIPING IN CEILING SPACE AT THIS APPROXIMATE LOCATION. PIPE SHALL BE CONNECTED VERTICALLY.

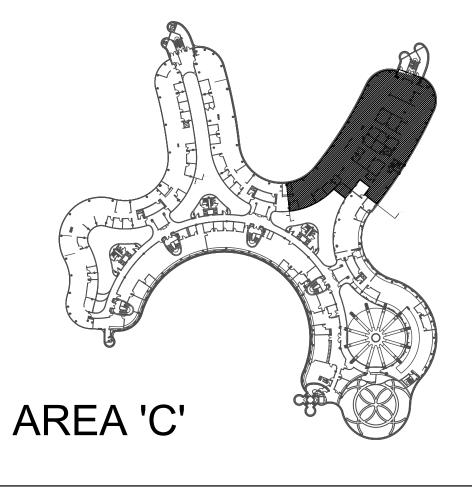
TERMINATE NEW CONDENSATE DRAIN PIPE AT EXISTING JANITOR'S SINK. PROVIDE FLOOD

- SENSOR IN JAN. CLOSET. (TYPICAL). 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
- PRESSURE TEST ALL NEW PIPING FOR 24 HOURS WITH NO LOSS OF PRESSURE PRIOR TO

INSULATING FITTINGS AND OPENING MAIN VALVES. (TYPICAL)

VALVE, CONTROL VALVE AND CONTROL WIRING. (TYPICAL)

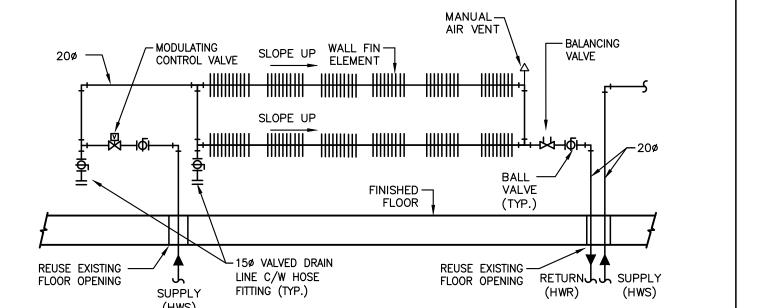
- (10) NEW FAN COIL UNIT IN CEILING SPACE. INSTALL UNIT TIGHT TO CEILING SLAB AS HIGH AS POSSIBLE. PROVIDE UNIT SUPPORTS AS REQUIRED. (TYPICAL) PROVIDE NEW 250 CHILLED WATER SUPPLY/RETURN WATER PIPE & 200 HEATING WATER SUPPLY/ RETURN PIPE TO NEW FAN COIL UNIT C/W ISOLATION VALVE, BALANCING
- NEW WALL FIN RAD ENCLOSURE SHALL BE CONTINUOUS FROM WALL TO WALL. PROVIDE END 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 200 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.



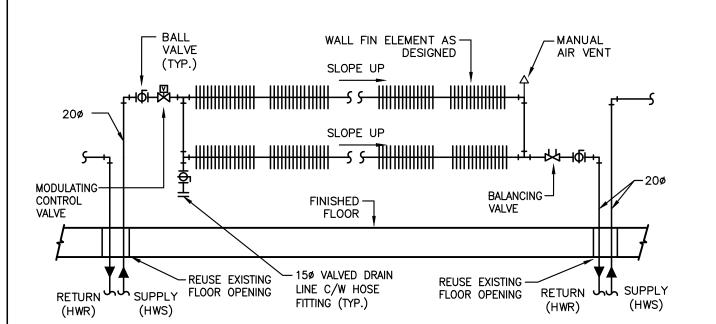
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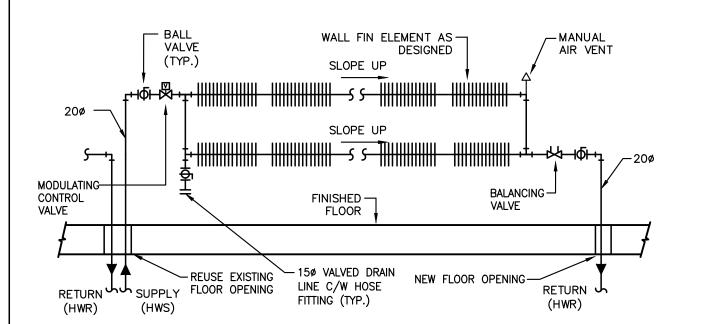
217 Richmond Street West, Suite 300 Toronto Ontario M5V 1W2 telephone: 416.351.8145 facsimile: 416.351.8146



TYPE 'A2' WALL FIN RADIATION PIPING SCHEMATIC
M-402 SCALE: N.T.S.

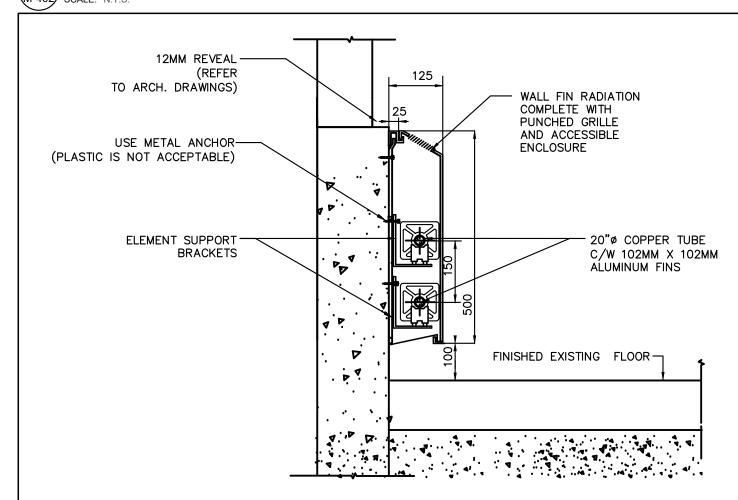


2 TYPE 'B13' TO 'B22' WALL FIN RADIATION PIPING SCHEMATIC SCALE: N.T.S.



3 TYPE 'C1' & 'C2' WALL FIN RADIATION PIPING SCHEMATIC

1-402 SCALE: N.T.S.



4 DOUBLE WALL FIN RADIATION DETAIL SCALE: N.T.S.



Tel: 905 475 3138 Fax: 866 853 3732 email: engineering
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L3R 8C5



PROPERTY SERVICES

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

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

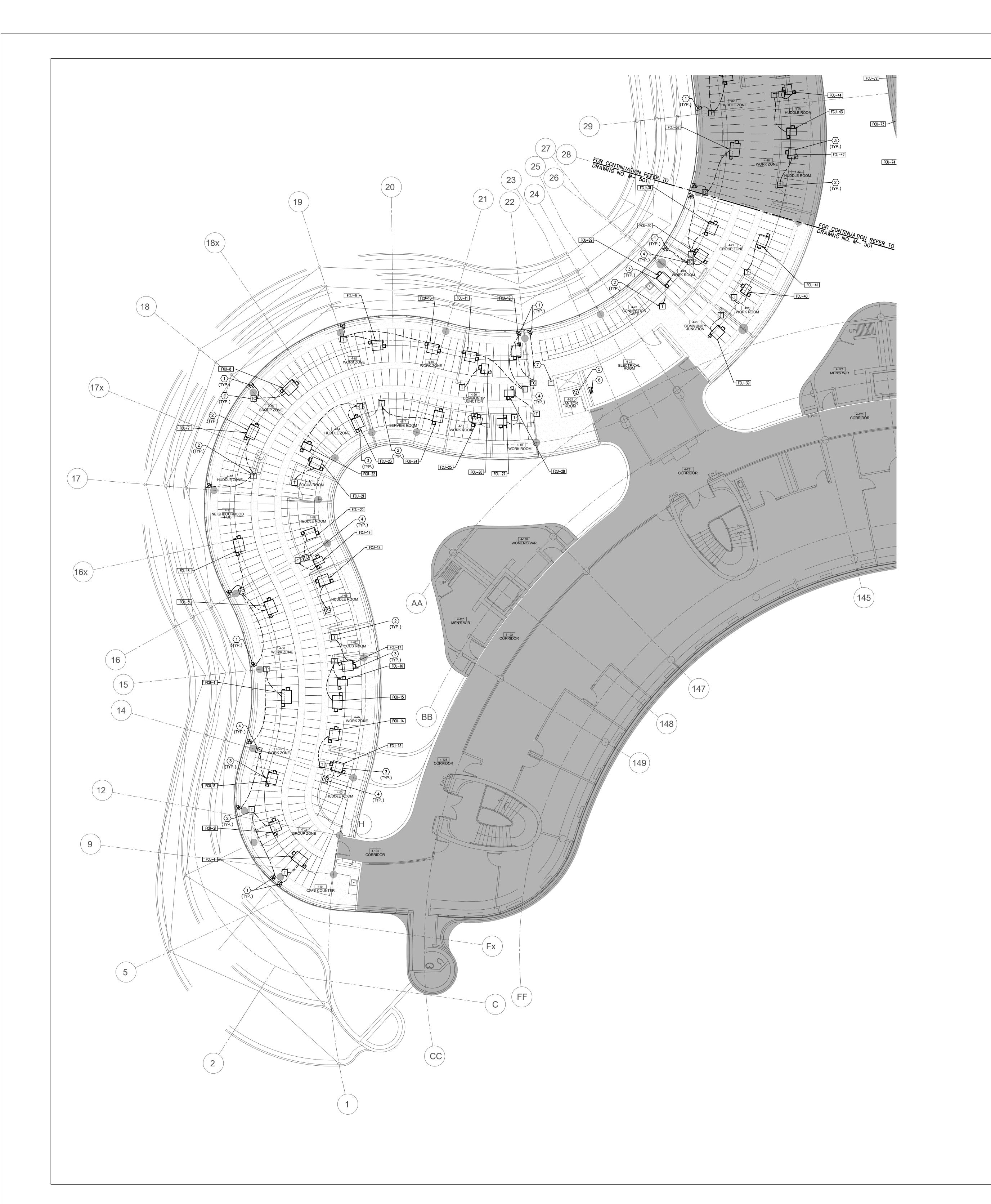
SCALE: 1:100m

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

MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR AREA 'B' HYDRONIC NEW LAYOUT

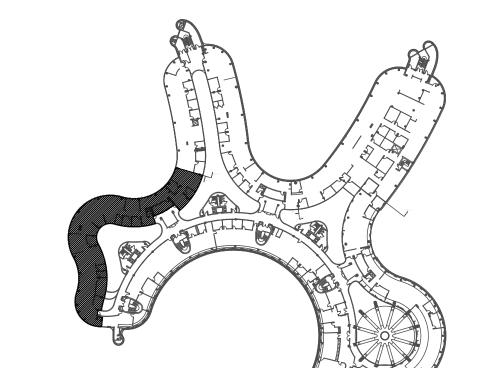


- 1. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXTENT OF THE ALL EXISTING CONDITIONS PRIOR TO SUBMITTING ANY QUOTATION. 2. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATIONS AND/OR EXISTING CONDITIONS ARE TO BE REFERRED TO CONSULTANT FOR INSTRUCTIONS BEFORE ANY WORK IS BEGUN.
- 3. CONTRACTOR 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.
- 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)

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.

DRAWING NOTES

- NEW CONTROL VALVE FOR PERIMETER RADIATOR. CONTROL VALVE SHALL BE CONNECTED TO ASSOCIATED CONTROLLER AS SHOWN. (TYPICAL)
- NEW TEMPERATURE SENSOR. PROVIDE CONTROL WIRING AS REQUIRED. EXACT LOCATION TO BE CONFIRMED ON SITE WITH THE ARCHITECT. (TYPICAL) NEW FAN COIL UNIT, PROVIDE 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.
- NEW TEMPERATURE SENSOR WITH CO₂ SENSOR. PROVIDE CONTROL WIRING. EXACT LOCATION TO BE CONFIRMED ON SITE WITH THE ARCHITECT. (TYPICAL)
- NEW JANITOR ROOM FLOOR WATER DETECTION SENSOR. PROVIDE NECESSARY CONTROL WIRING, FLOOR SLAB CUTTING/PATCHING AS REQUIRED.
- NEW CONTROLS PANEL IN ELECTRICAL ROOM BY CONTROLS CONTRACTOR. POWER BY DIV. 16.
- EXISTING AVERAGING TEMPERATURE SENSOR FOR THIS FLOOR C/W CONTROL WIRING TO REMAIN.



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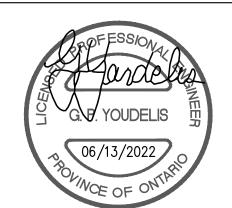
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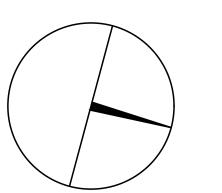


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Fax: 866 853 3732 email: engineering @gpyengineering.com







PROPERTY SERVICES

BUILDING & FACILITIES 4TH 01-01-2022 BASE DATE:

PROJECT:

PROJECT #9907

YORK REGION

Administrative Centre 17250 Yonge Street Newmarket, Ontario

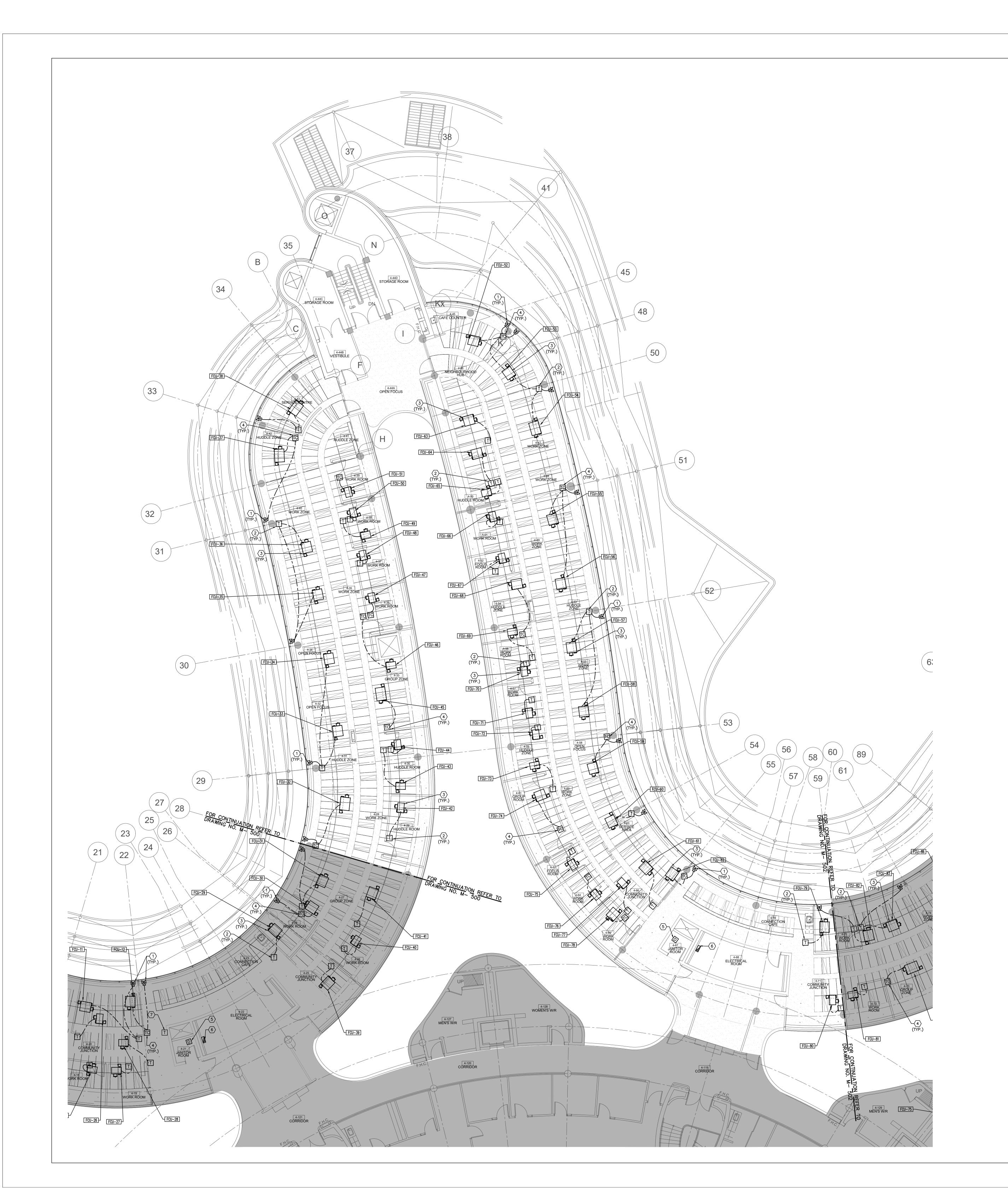
SCALE: 1:100m

S.P.R./G.G.

MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR AREA 'A' CONTROLS LAYOUT



- 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.
- 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
- 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)

ASSOCIATED DUCT/PIPE HANGERS, VALVES, DAMPERS, ETC.

NOTES

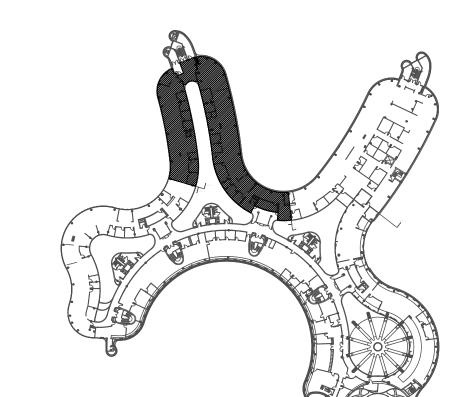
ALL MECHANICAL WORKS INVOLVED ON THE 3RD FLOOR SHALL ONLY BE DONE AFTER HOURS (5:30 PM TO 8:30 AM). THIS INCLUDES REMOVAL & CAPPING OF OUTDOOR AIR DUCTWORK IN CEILING SPACE, REMOVAL/CAPPING/NEW CONNECTION OF CHILLED WATER PIPES & HEATING WATER PIPES, REMOVAL/CAPPING/NEW CONNECTION OF CONDENSATE DRAIN,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

DRAWING NOTES

- NEW CONTROL VALVE FOR PERIMETER RADIATOR. CONTROL VALVE SHALL BE CONNECTED TO ASSOCIATED CONTROLLER AS SHOWN. (TYPICAL)
- NEW TEMPERATURE SENSOR. PROVIDE CONTROL WIRING AS REQUIRED. EXACT LOCATION TO BE CONFIRMED ON SITE WITH THE ARCHITECT. (TYPICAL)

 NEW FAN COIL UNIT, PROVIDE 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.
- NEW TEMPERATURE SENSOR WITH CO₂ SENSOR. PROVIDE CONTROL WIRING. EXACT LOCATION TO BE CONFIRMED ON SITE WITH THE ARCHITECT. (TYPICAL)
- 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 REMAIN.



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

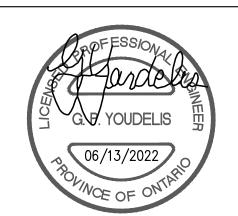
G.Bruce Stratton Architects

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

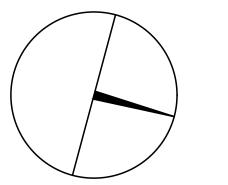
GPY +
Associates Engineering Inc.

90C Centurian Drive Unit 6 Markham, Ontario

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



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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

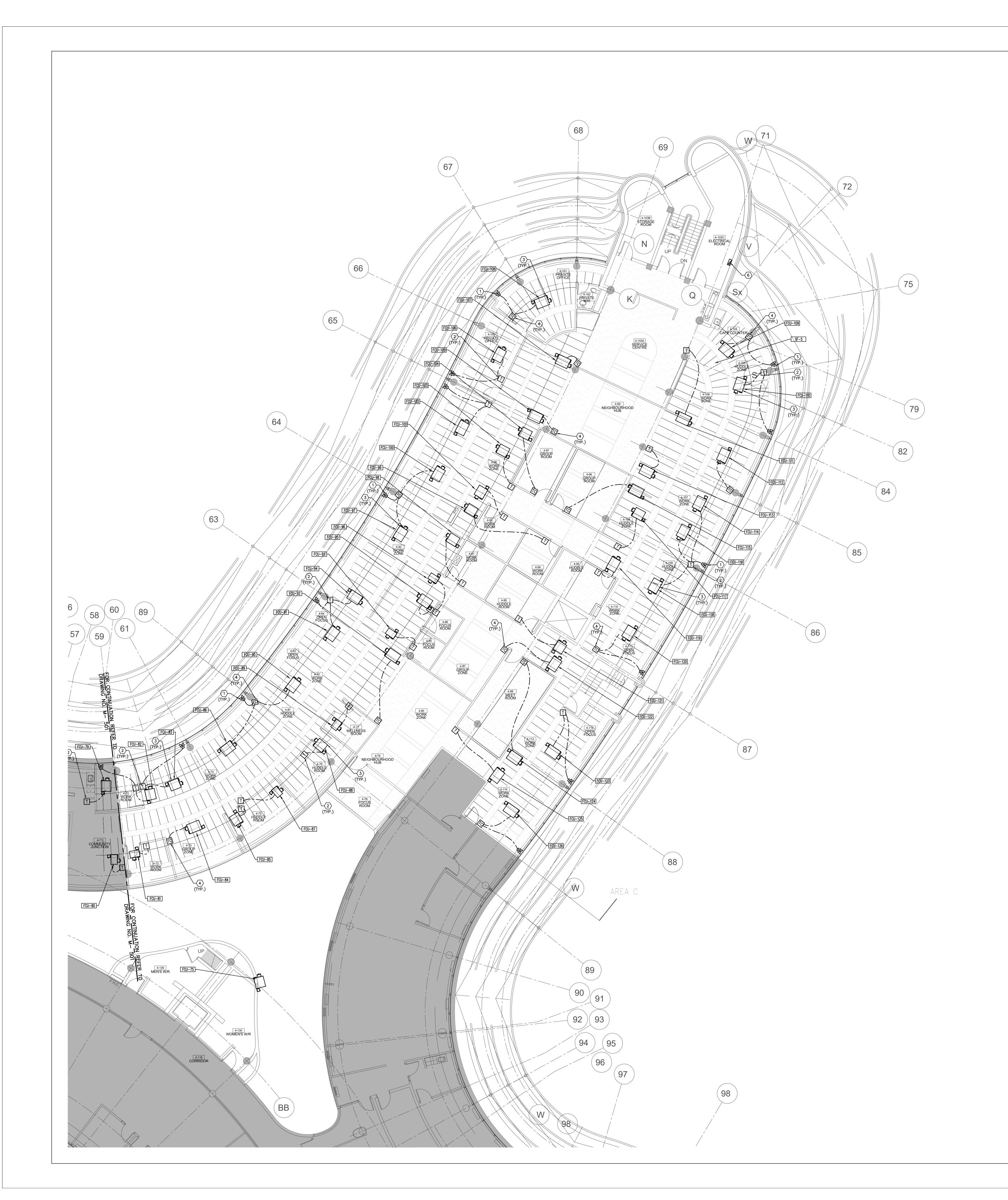
VN BY: S.P.R./G.G.

UBMITTED TO: MUNICIPALITY OF YORK

SHEET TITLE:

PARTIAL 4TH FLOOR AREA 'B' CONTROLS LAYOUT

SHEET NUMBER:



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- 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.
- 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.
- 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)

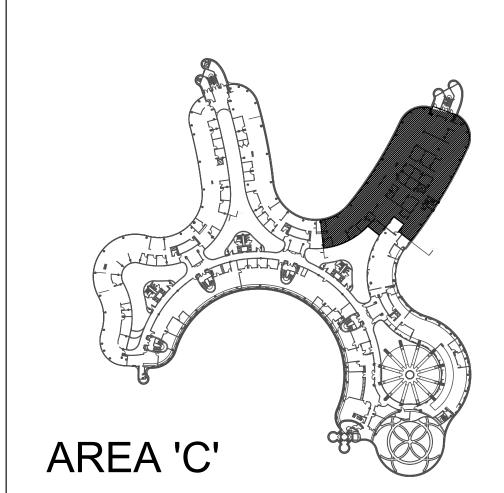
9. WHERE DUCTWORK, PIPING AND EQUIPMENT IS INDICATED TO BE REMOVED, REMOVE ALL

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- NEW TEMPERATURE SENSOR WITH ${\rm CO_2}$ SENSOR. PROVIDE CONTROL WIRING. EXACT LOCATION TO BE CONFIRMED ON SITE WITH THE ARCHITECT. (TYPICAL)
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- 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 REMAIN.

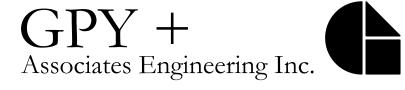




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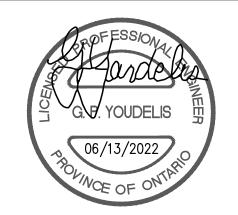
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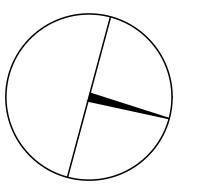
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