DRAWING LIST

M001 DRAWING LIST & LEGEND

M010 MECHANICAL – GROUND FLOOR – BELOW GRADE
M011 MECHANICAL – TEST FACILITY – BELOW GRADE

M100 PLUMBING – TEST FACILITY PLAN
M101 PLUMBING – GROUND FLOOR PLAN
M102 PLUMBING – SECOND FLOOR PLAN
M103 PLUMBING – THIRD FLOOR PLAN
M104 PLUMBING – FOURTH FLOOR PLAN
M105 PLUMBING – MECHANICAL PENTHOUSE PLAN
M106 PLUMBING – MECHANICAL PENTHOUSE ROOF PLAN

M120 HVAC – TEST FACILITY PLAN
M121 HVAC – GROUND FLOOR PLAN
M122 HVAC – SECOND FLOOR PLAN
M123 HVAC – THIRD FLOOR PLAN
M124 HVAC – FOURTH FLOOR PLAN
M125 HVAC – MECHANICAL PENTHOUSE PLAN

M131 FIRE PROTECTION – GROUND FLOOR PLAN
M132 FIRE PROTECTION – SECOND FLOOR PLAN
M133 FIRE PROTECTION – THIRD FLOOR PLAN
M134 FIRE PROTECTION – FOURTH FLOOR PLAN
M135 FIRE PROTECTION – PENTHOUSE FLOOR PLAN AND FIRE PROTECTION RISER

M200 HVAC SYSTEM SCHEMATIC
M201 DHCW & SANITARY RISER DIAGRAM
M202 SMOKE CONTROL SCHEMATIC & SEQUENCE OF OPERATIONS
M300 MECHANICAL EQUIPMENT SCHEDULES

MECHANICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
——•——	DOMESTIC COLD WATER (DCW)
——••——	DOMESTIC HOT WATER SUPPLY (DHW)
——•••——	DOMESTIC HOT WATER RECIRC (DHWR)
------+------	BURIED/UNDER FLOOR/ UNDER SLAB SANITARY
——+——	ABOVE GROUND/FLOOR/SLAB SANITARY
—— P-SAN ——	PUMPED SANITARY
----++----	BURIED/UNDER FLOOR/ UNDER SLAB STORM (STM)
——++——	ABOVE GROUND/FLOOR/SLAB STORM (STM)
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
—— G ——	NATURAL GAS
—— S ——	SPRINKLER PIPING
—— F ——	FIRE LINE (STANDPIPE)

SYMBOL	DESCRIPTION
HB	HOSE BIBB
CO	CLEAN OUT
CO	FLOOR CLEAN OUT
	DRAIN VALVE
	LOCKSHIELD VALVE
F.H.C.	FIRE HOSE CABINET
	FIRE DEPARTMENT CONNECTION
	BALL VALVE
	PLUG VALVE
CBV	CIRCUIT BALANCING VALVE
M	WATER METER
GM	GAS METER
	FLEXIBLE PIPE CONNECTOR
BFP	BACKFLOW PREVENTER
FD–	FLOOR DRAIN
RD–	ROOF DRAIN
	PRESSURE REDUCING VALVE
	STRAINER
	REDUCER
	PIPE DOWN
	PIPE UP
	PIPE CAP
	UNION
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	TEMPERATURE / PRESSURE RELIEF VALVE

SYMBOL	DESCRIPTION
BD	DUCT BRANCH WITH BALANCING DAMPER
MD	MOTORIZED DAMPER
FD	FIRE DAMPER
T	THERMOSTAT / SENSOR
H	HUMIDISTAT
AD	ACCESS DOOR
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
OA	OUTSIDE AIR
	THROAT SIZE(mm)
	DIFFUSER TYPE
	FLOW(cfm)
	DETAIL
	LOCATION OF DETAIL
0-150 CFM A 200mm DEEP	"A" SIZE TRANSFER DUCT, ACOUSTICALLY LINED
160-300 CFM B 200mm DEEP	"B" SIZE TRANSFER DUCT, ACOUSTICALLY LINED
310-500 CFM C 200mm DEEP	"C" SIZE TRANSFER DUCT, ACOUSTICALLY LINED

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No	DESCRIPTION	DATE
2	ISSUED FOR CONSTRUCTION	OCT 7 2016
1	ISSUED FOR TENDER	SEPT 13 2016
0	ISSUED FOR BUILDING PERMIT	AUGUST 5 2016

REVISIONS

LICENSED PROFESSIONAL ENGINEER
2016-11-22
M.M.KARAKOLIS
100172617
PROVINCE OF ONTARIO

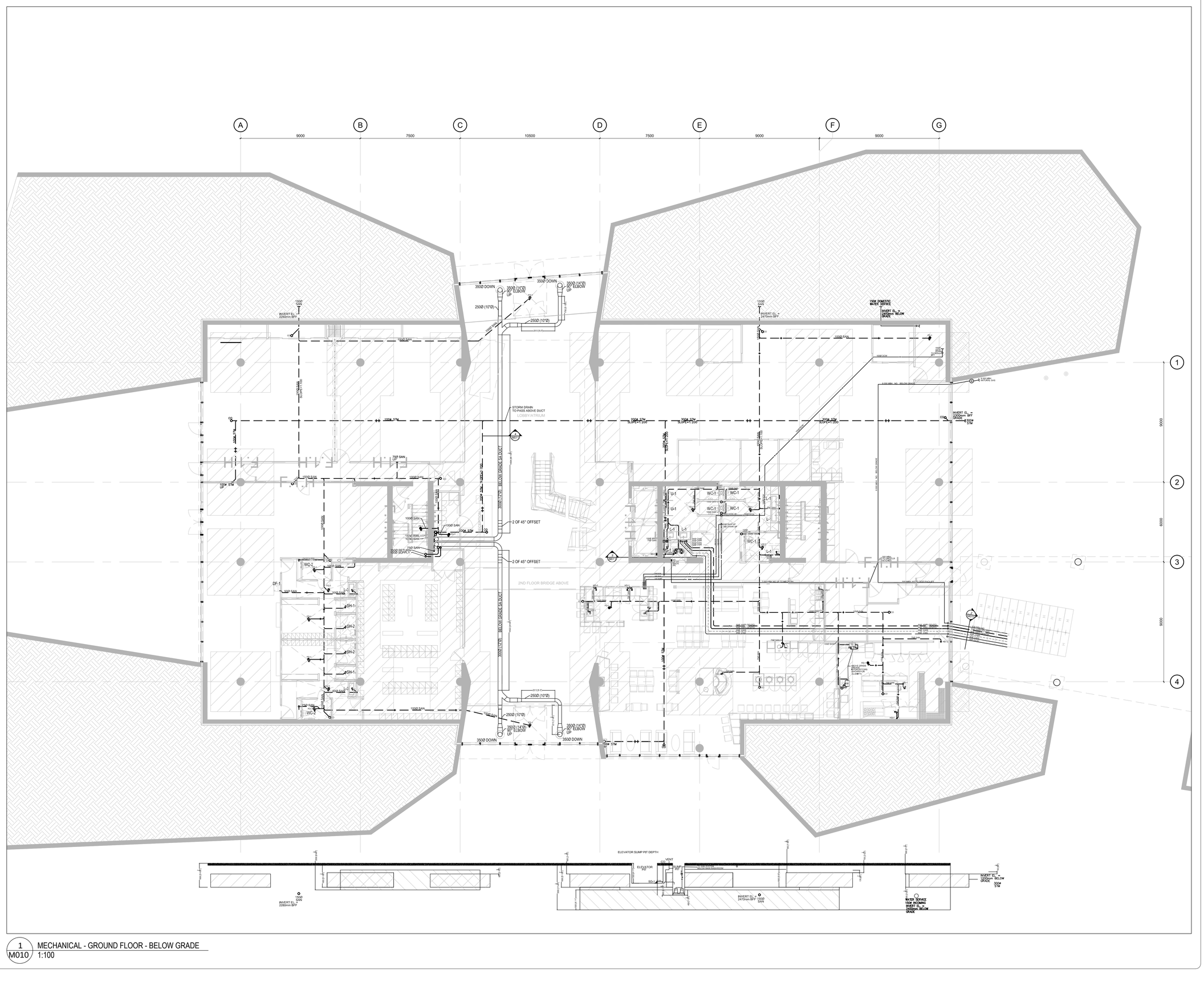
client:
TOMLINSON
5597 POWER RD
OTTAWA, ON
K1G 3N4

project:
TOMLINSON
NEW BUILDING
CITIGATE, OTTAWA

drawing title:
MECHANICAL
DRAWING LIST &
SYMBOL LEGEND

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.:	drawing no.:
1570	M001
revision: 0	



1 / M010 MECHANICAL - GROUND FLOOR - BELOW GRADE
1:100

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No	DESCRIPTION	DATE
5	ISSUED FOR CONSTRUCTION	OCT 7 2016
4	ISSUED FOR TENDER	SEPT 13 2016
3	RE-ISSUED FOR CONSTRUCTION-PIPE ROUTES	AUGUST 5 2016
2	RE-ISSUED FOR CONSTRUCTION-PIPE ROUTES AND ELEVATIONS	JULY 25 2016
1	ISSUED FOR CONSTRUCTION	JULY 14 2016
0	ISSUED FOR FOUNDATION PERMIT	MAY 31 2016

REVISIONS

LICENSED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO
2016-11-22
M.M.KARAKOLIS
100172617
PanaFolio

client:
TOMLINSON
5597 POWER RD
OTTAWA, ON
K1G 3N4

project:
TOMLINSON
NEW BUILDING
CITIGATE, OTTAWA

drawing title:
MECHANICAL
GROUND FLOOR
BELOW GRADE

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	MAY 2016

project no.: 1570	drawing no.: M010
revision: 3	



1 M011 MECHANICAL - TEST FACILITY - BELOW GRADE
1:100

LEGEND

- STORM
- SANITARY
- NATURAL GAS
- HEATING WATER SUPPLY
- HEATING WATER RETURN
- COLD WATER SUPPLY
- COLD WATER RETURN
- DOMESTIC WATER SUPPLY
- PIPE EXPANSION JOINT
- FLOOR DRAIN
- HUB DRAIN
- CLEAN OUT
- SEDIMENT INTERCEPTOR (ABOVE GRADE ONLY AND SHOWN FOR CLARITY)
- NEUTRALIZING TANK (ABOVE GRADE ONLY AND SHOWN FOR CLARITY)
- GREASE INTERCEPTOR (ABOVE GRADE ONLY AND SHOWN FOR CLARITY)
- DUCT
- DETAIL NUMBER
- SHEET NUMBER

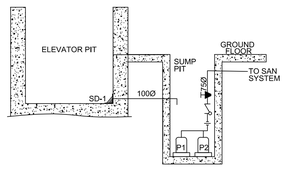
GENERAL NOTES:

1. BELOW GRADE PIPE TO BE PVC, ABS, CAST IRON OR DWV COPPER, CSA CERTIFIED.
2. BELOW GRADE PIPE TO BE INSTALLED ON A 150 MM BED OF GRANULAR OR SAND AND BACKFILLED TO 150 MM ABOVE PIPE WITH SAME.
3. SANITARY VENTING NOT SHOWN. COMPLETE VENTING IN STRICT ACCORDANCE WITH PART 7 OF O.B.C.
4. PROVIDE TRAP SEALS AND TRAP SEAL PRIMERS AS REQUIRED.
5. SLOPE ALL DRAINAGE & SANITARY PIPING ACCORDING TO CODE.
6. ELEVATOR PIT SUMP PUMP TO BE INSTALLED IN ACCORDANCE WITH CSA B44 "SAFETY CODE FOR ELEVATORS".
7. ALL DIMENSIONS IN MILLIMETERS
8. EXTERIOR AREA DRAINS BY OTHERS
9. GANG TRAP SANITARY WHERE APPLICABLE BY OBC
10. INVERT ELEVATIONS AS PER SITE SERVICING AND UTILITY PLAN, DWG #C102, SHT 2 OF 2, REVISION 9, JULY 22, 2016

MATERIAL NOTES:

1. STORM WATER PIPE TO BE PVC-BDS, SOLVENT WELDED
2. SANITARY PIPE TO BE PVC-BDS, SOLVENT WELDED
3. NATURAL GAS PIPE TO BE POLYPIPE (YELLOW)
4. HWS/HWR/CWS/CWR/ TO BE PRE-INSULATED PEX
5. DCW PIPE TO BE UPVC (UNPLASTICIZED PVC)
6. SUPPLY AIR DUCT TO BE POLYVINYL COATED STEEL DUCT

2 M011 DUCT BANK ACROSS DRIVE AISLE DETAIL



3 M011 ELEVATOR SUMP SYSTEM DETAIL



4 M011 BELOW GRADE DUCT DETAIL

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No	DESCRIPTION	DATE
4	ISSUED FOR CONSTRUCTION	OCT 7 2016
3	ISSUED FOR TENDER	SEPT 13 2016
2	RE-ISSUED FOR CONSTRUCTION-PIPE ROUTES AND ELEVATIONS	JULY 25 2016
1	ISSUED FOR CONSTRUCTION	JULY 14 2016
0	ISSUED FOR FOUNDATION PERMIT	MAY 31 2016

REVISIONS

LICENCE PROFESSIONAL ENGINEER 2016-11-22 M.M.KARAKOLIS 100072617 PROVINCE OF ONTARIO

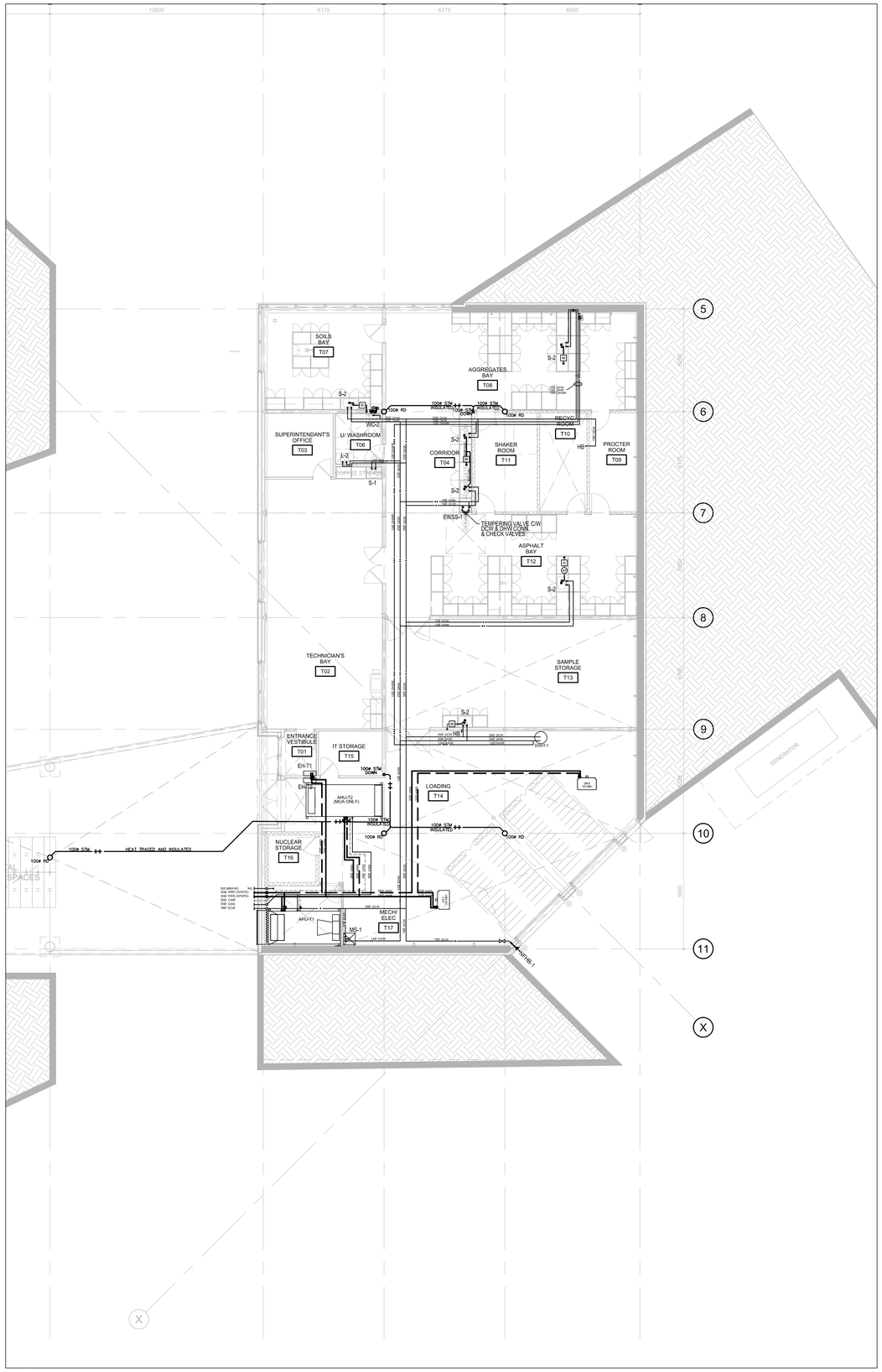
client:
TOMLINSON
5597 POWER RD
OTTAWA, ON
K1G 3N4

project:
TOMLINSON
NEW BUILDING
CITIGATE, OTTAWA

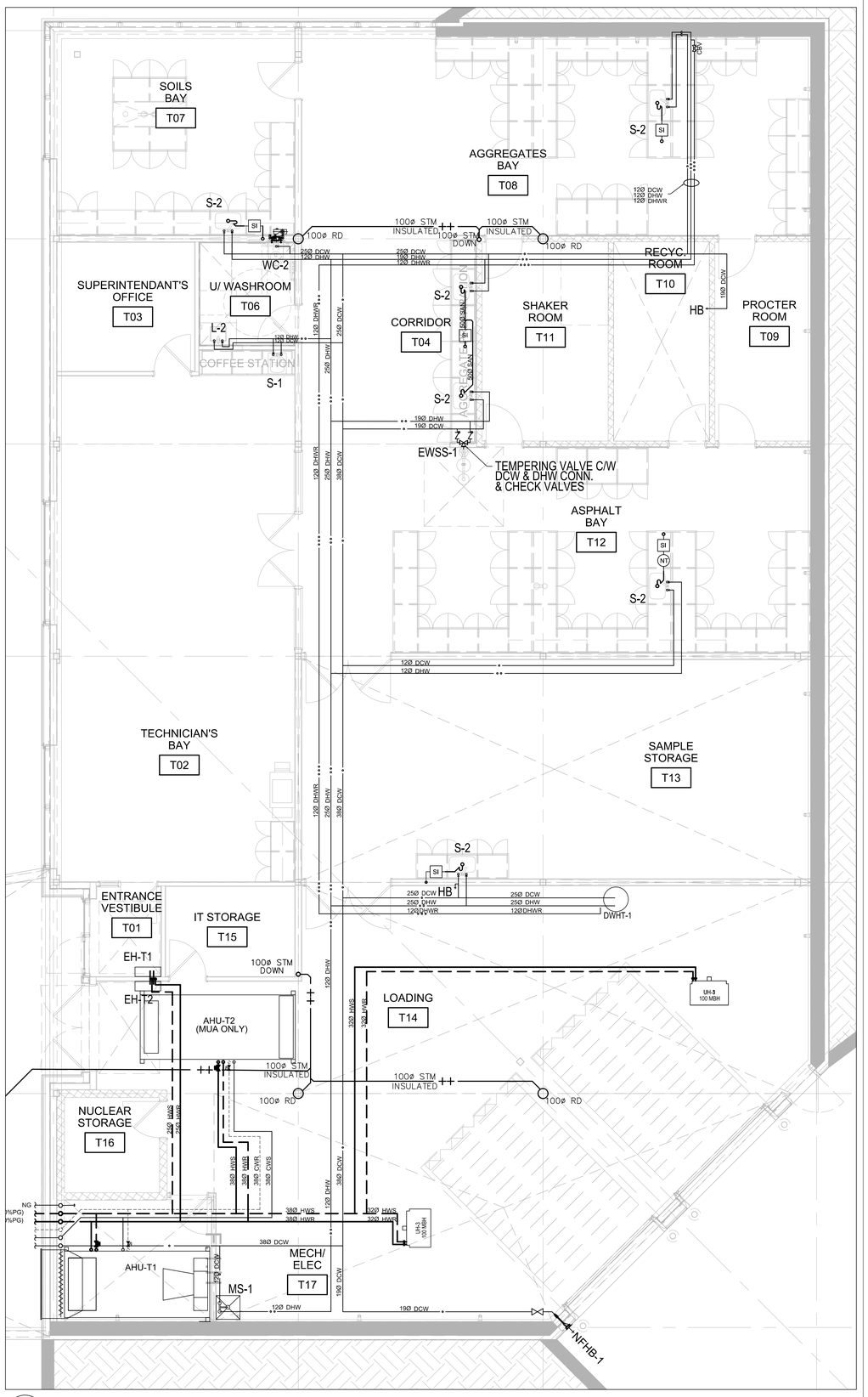
drawing title:
MECHANICAL
TEST FACILITY
BELOW GRADE

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	MAY 2016

project no.: 1570	drawing no.: M011
revision: 2	



1 M100 PLUMBING - TEST FACILITY PLAN



1 M100 PLUMBING - TEST FACILITY PLAN
1:50

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1	ISSUED FOR TENDER	SEPT 13 2016
0	ISSUED FOR BUILDING PERMIT	AUGUST 5 2016

REVISIONS

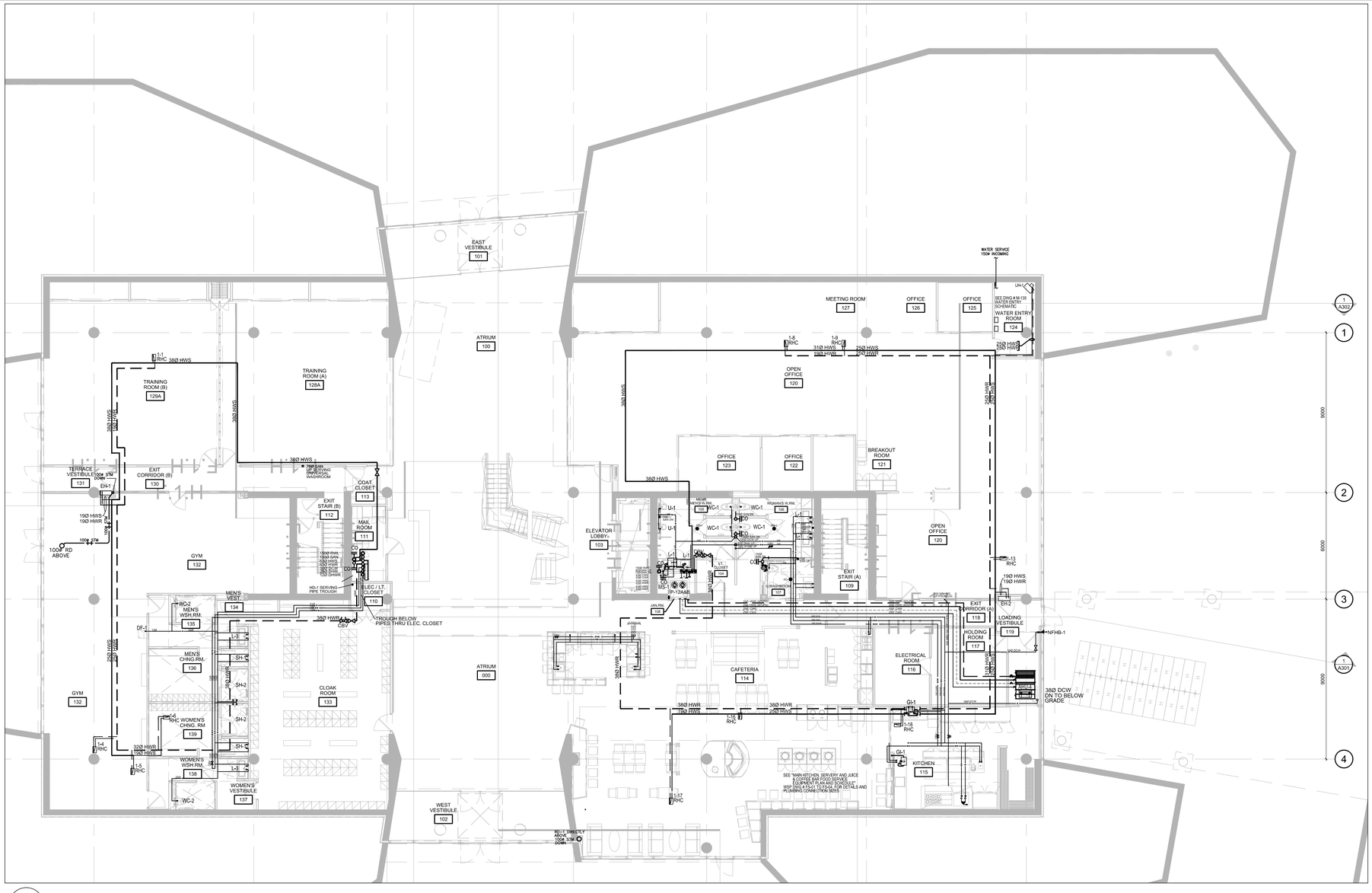
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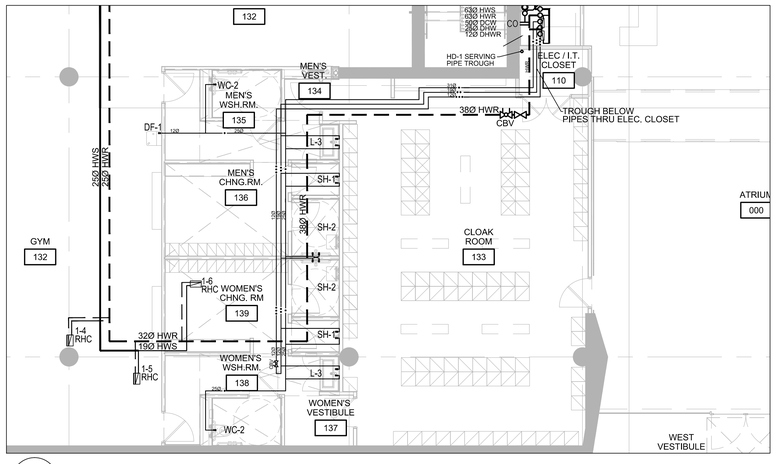
drawing title:
MECHANICAL
PLUMBING
TEST FACILITY PLAN

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

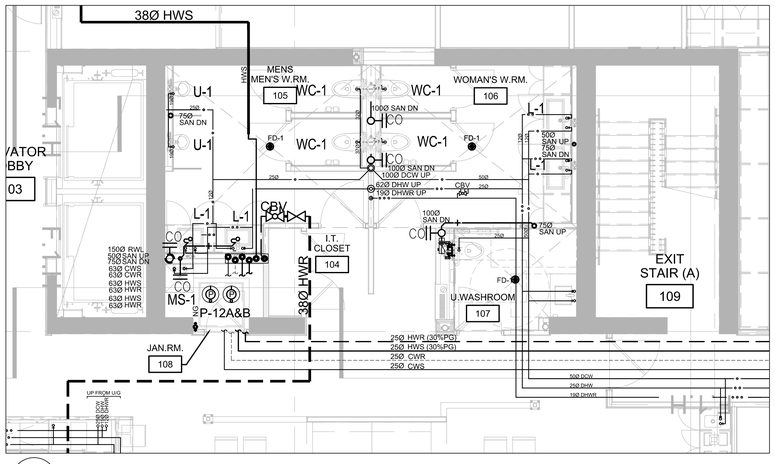
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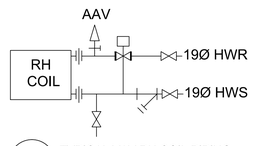
1 M101 PLUMBING - GROUND FLOOR PLAN



2 M101 PLUMBING - GROUND FLOOR CHANGEROOM 1:75



3 M101 PLUMBING - GROUND FLOOR MAIN WASHROOM 1:50



4 M101 TYPICAL VAV RH COIL PIPING

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No	DESCRIPTION	DATE
3	ISSUED FOR CONSTRUCTION 2	OCT 28 2016
2	ISSUED FOR CONSTRUCTION	OCT 7 2016
1	ISSUED FOR TENDER	SEPT 13 2016
0	ISSUED FOR BUILDING PERMIT	AUGUST 5 2016

REVISIONS

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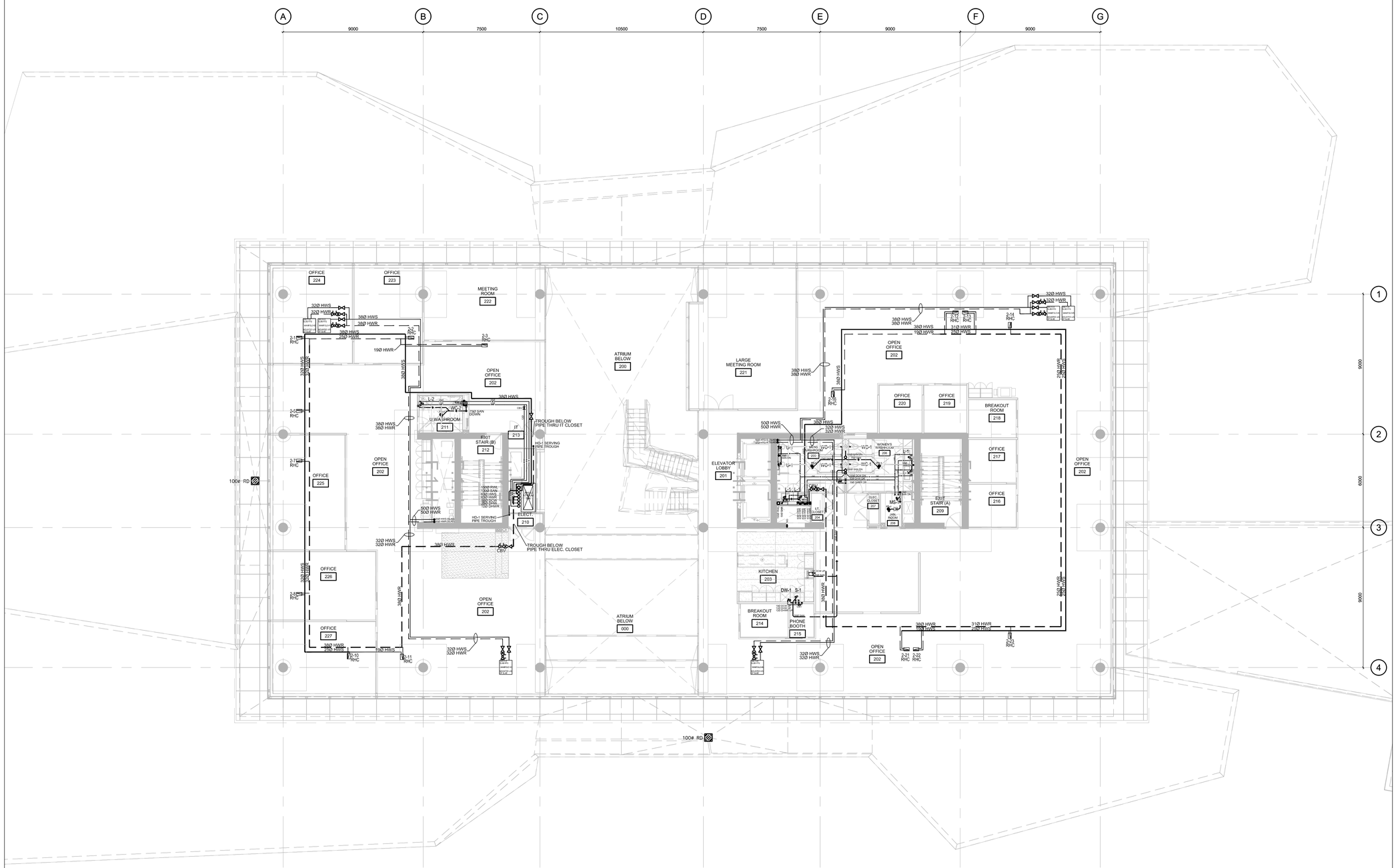
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K1G 3N4

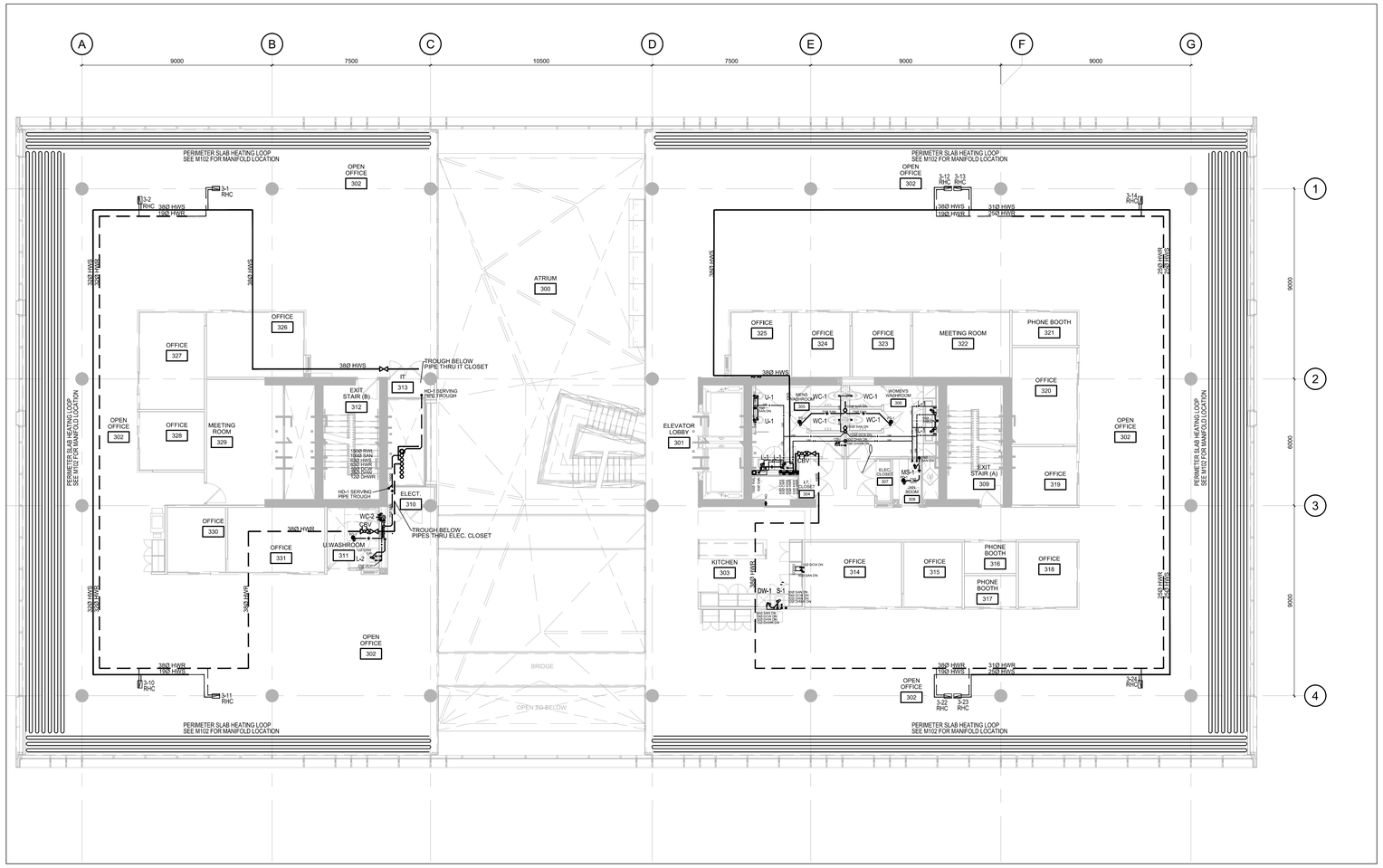
project:
TOMLINSON
NEW BUILDING
CITIGATE, OTTAWA

drawing title:
MECHANICAL
PLUMBING
GROUND FLOOR PLAN

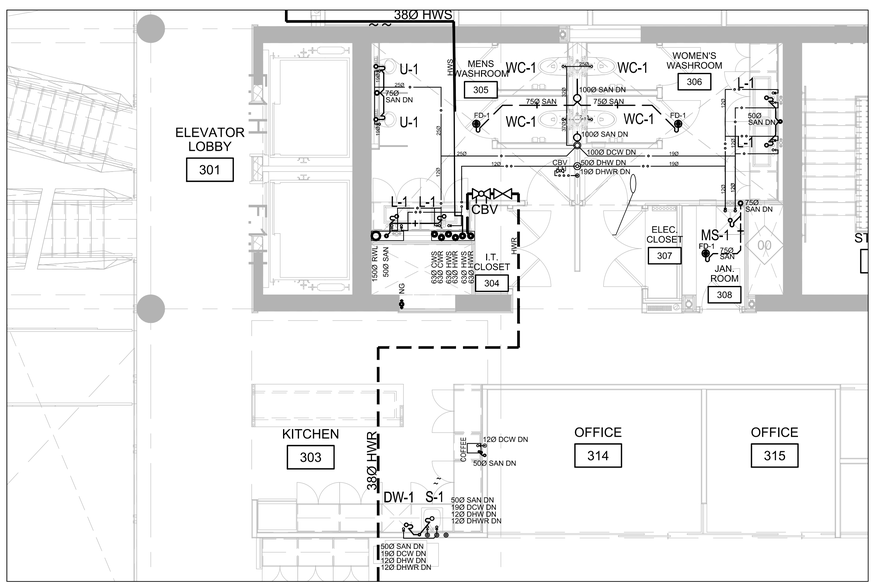
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designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.: 1570
drawing no.: M101
revision: 0


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OFFICE 224
OFFICE 223
MEETING ROOM 222
OPEN OFFICE 202
ATRIUM BELOW 200
LARGE MEETING ROOM 221
OPEN OFFICE 202
OFFICE 225
OFFICE 226
OFFICE 227
OPEN OFFICE 202
U.W.A/SHROOM 211
EXIT STAIR (B) 212
IT 213
ELEC. 210
ATRIUM BELOW 200
ELEVATOR LOBBY 201
OPEN OFFICE 202
OFFICE 220
OFFICE 219
BREAKOUT ROOM 218
OFFICE 217
OFFICE 216
EXIT STAIR (A) 209
KITCHEN 203
BREAKOUT ROOM 214
PHONE BOOTH 215
OPEN OFFICE 202
100ø RD
100ø RD
32Ø HWS
32Ø HWR
38Ø HWS
38Ø HWR
38Ø HWS
25Ø HWR
19Ø HWR
38Ø HWS
38Ø HWR
38Ø HWS
38Ø HWR
38Ø HWS
38



1 M103 PLUMBING - THIRD FLOOR PLAN



2 M103 PLUMBING - 3RD FLOOR MAIN WASHROOM AND KITCHEN DETAIL
1:50

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0	ISSUED FOR BUILDING PERMIT	AUGUST 5 2016

REVISIONS

LICENSED PROFESSIONAL ENGINEER
2016-11-22
M.M.KARAKOLIS
100172617
PROVINCE OF ONTARIO

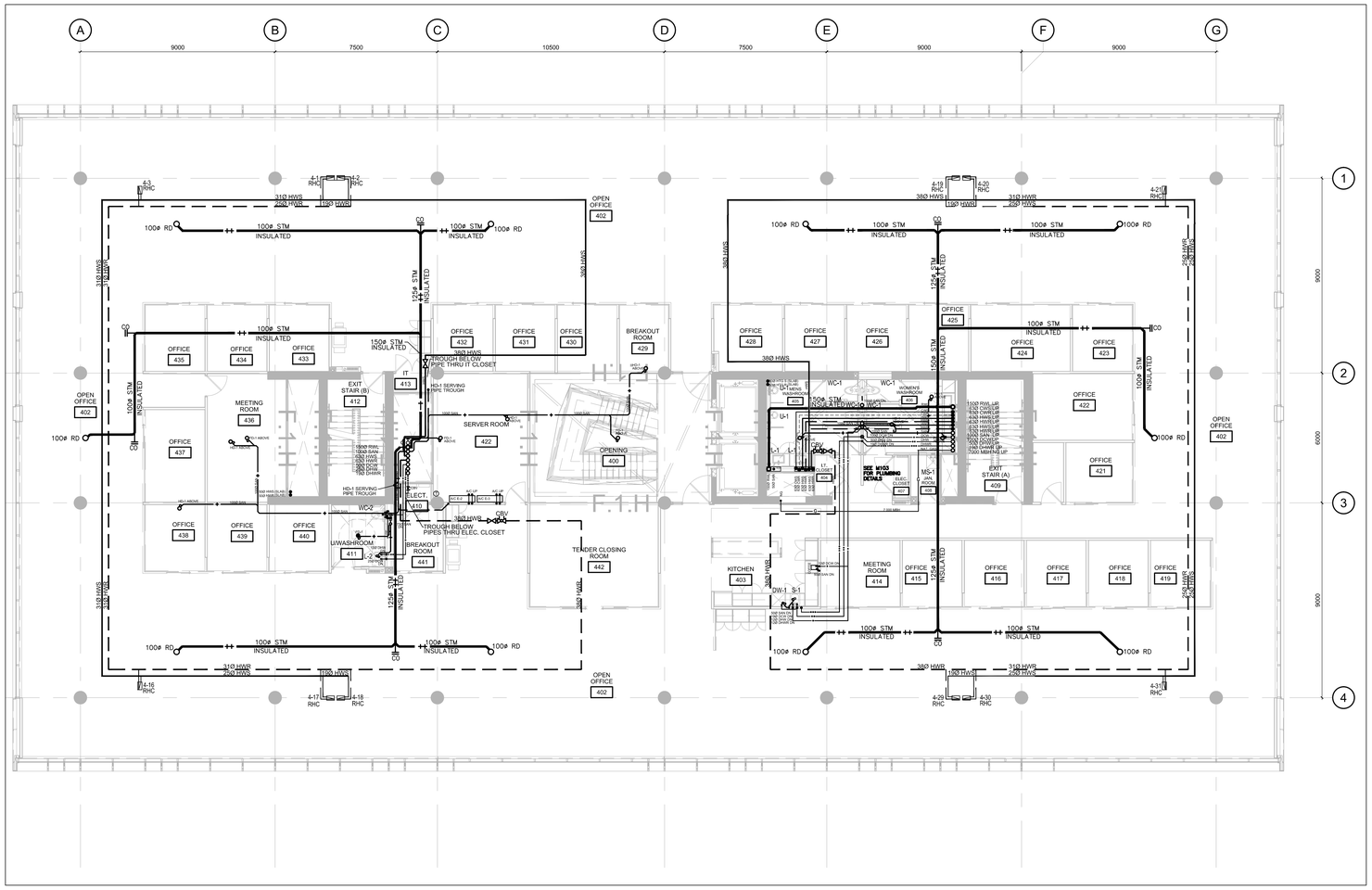
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K1G 3N4

project:
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CITIGATE, OTTAWA

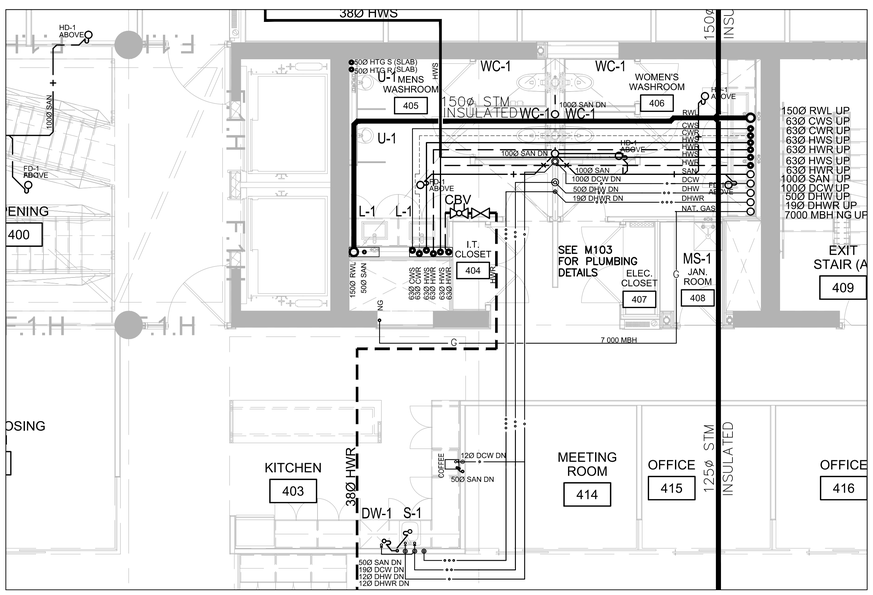
drawing title:
MECHANICAL
PLUMBING
THIRD FLOOR PLAN

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.: 1570	drawing no.: M103
revision: 0	



1 M104 PLUMBING - FOURTH FLOOR PLAN



2 M104 PLUMBING -4TH FLOOR MAIN WASHROOM AND KITCHEN DETAIL 1:50

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REVISIONS

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2016-11-22
M.M.KARAKOLIS
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PROVINCE OF ONTARIO

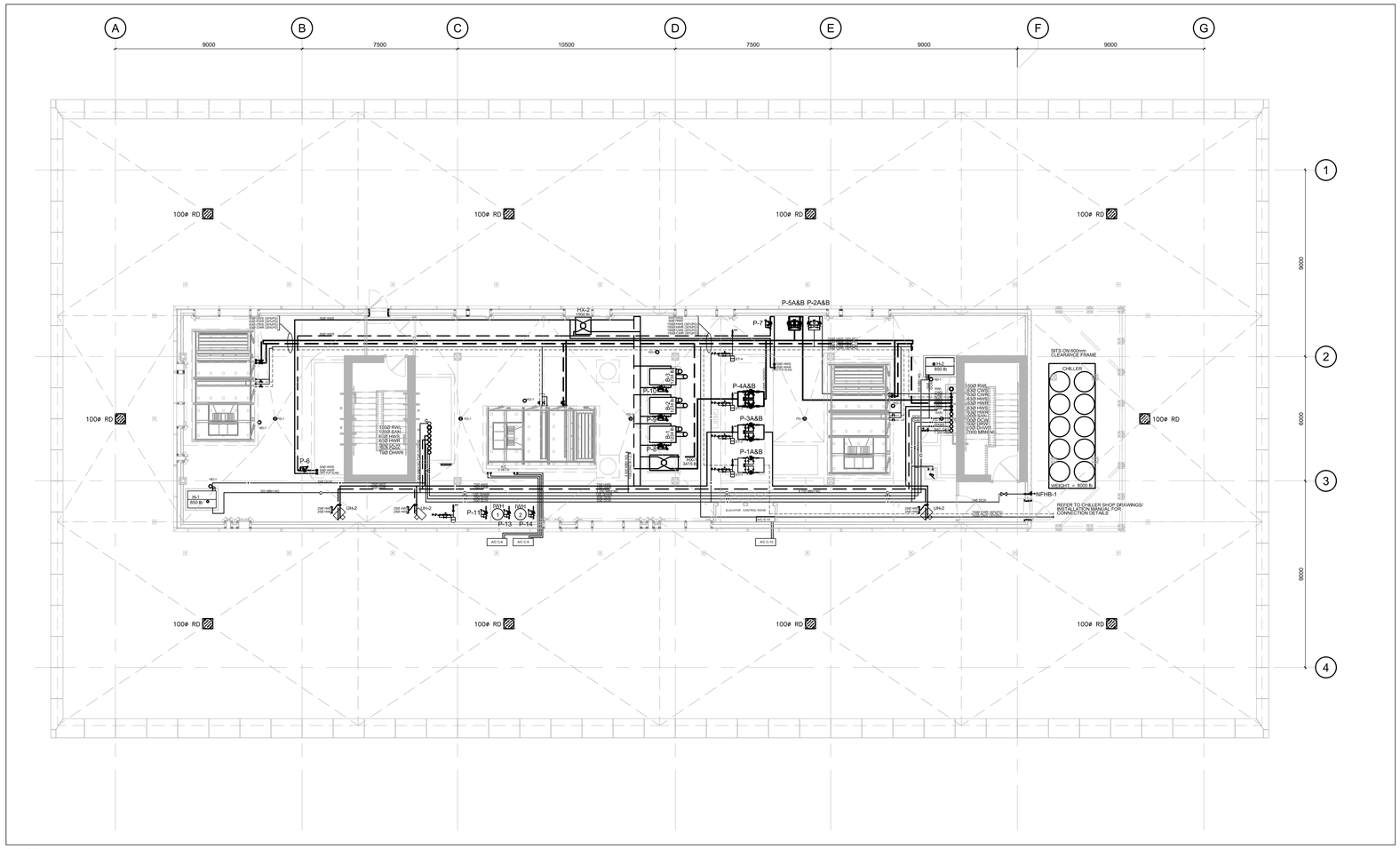
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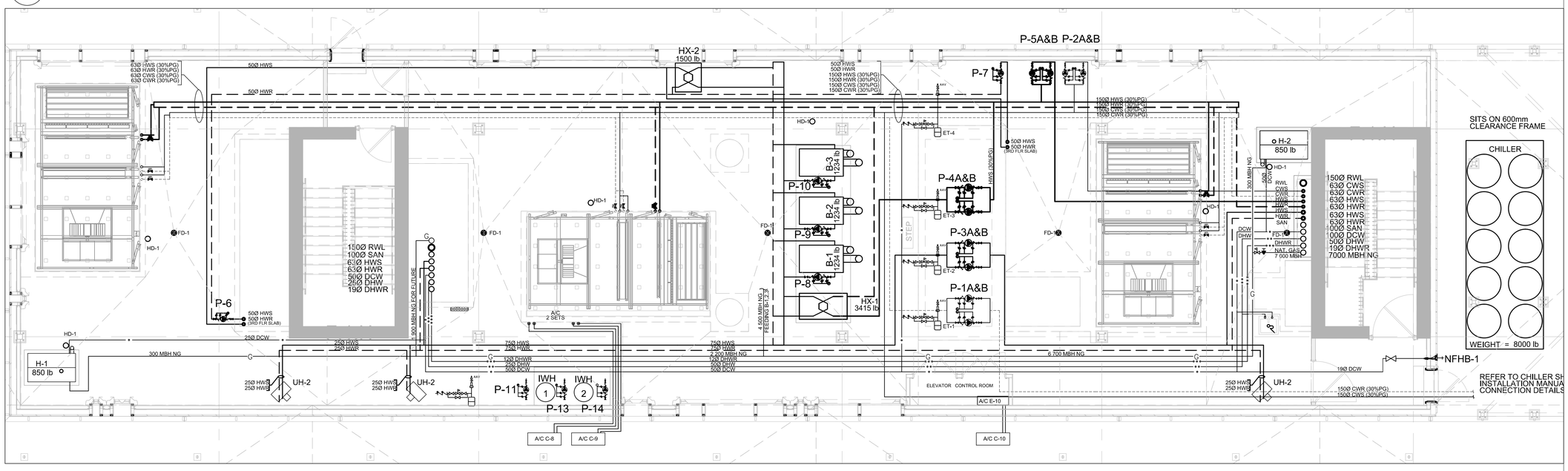
drawing title:
MECHANICAL
PLUMBING
FOURTH FLOOR PLAN

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.: 1570
drawing no.: M104
revision: 0



1 PLUMBING - MECHANICAL PENTHOUSE PLAN
M105



2 PLUMBING - MECHANICAL PENTHOUSE DETAIL
M105 1:50

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No	DESCRIPTION	DATE
2	ISSUED FOR CONSTRUCTION	OCT 7 2016
1	ISSUED FOR TENDER	SEPT 13 2016
0	ISSUED FOR BUILDING PERMIT	AUGUST 5 2016

REVISIONS

LICENSED PROFESSIONAL ENGINEER
2016-11-22
M.M.KARAKOLIS
100172617
PROVINCE OF ONTARIO

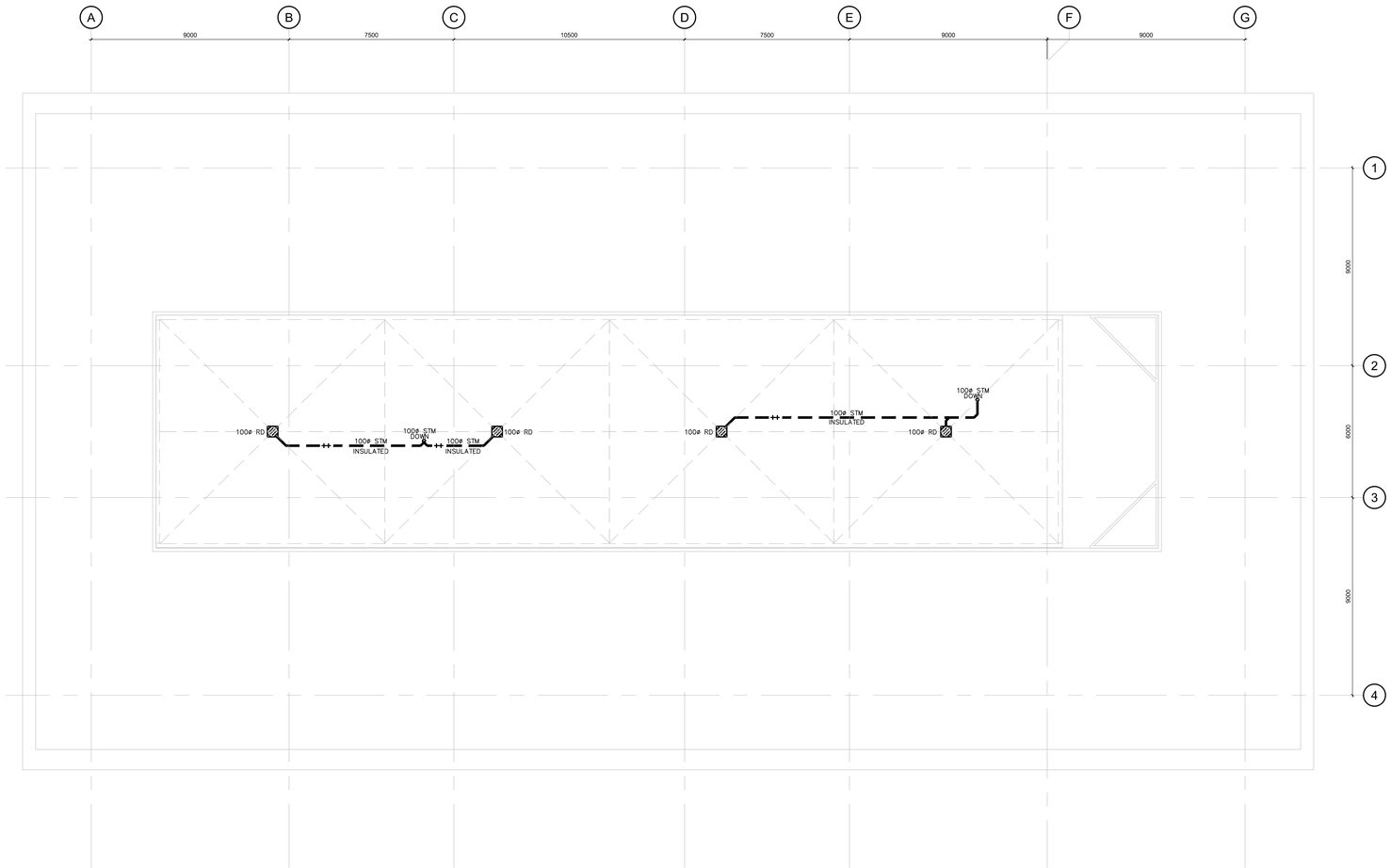
client:
TOMLINSON
5597 POWER RD
OTTAWA, ON
K1G 3N4

project:
TOMLINSON
NEW BUILDING
CITIGATE, OTTAWA

drawing title:
MECHANICAL
PLUMBING
MECHANICAL PENTHOUSE PLAN

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.: 1570	drawing no.: M105
revision: 0	



1 M106 PLUMBING - MECHANICAL PENTHOUSE ROOF PLAN

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Professional Engineers

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M.M.KARAKOLIS
100172617
PROVINCE OF ONTARIO

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TOMLINSON

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OTTAWA, ON
K1G 3N4

project:

TOMLINSON

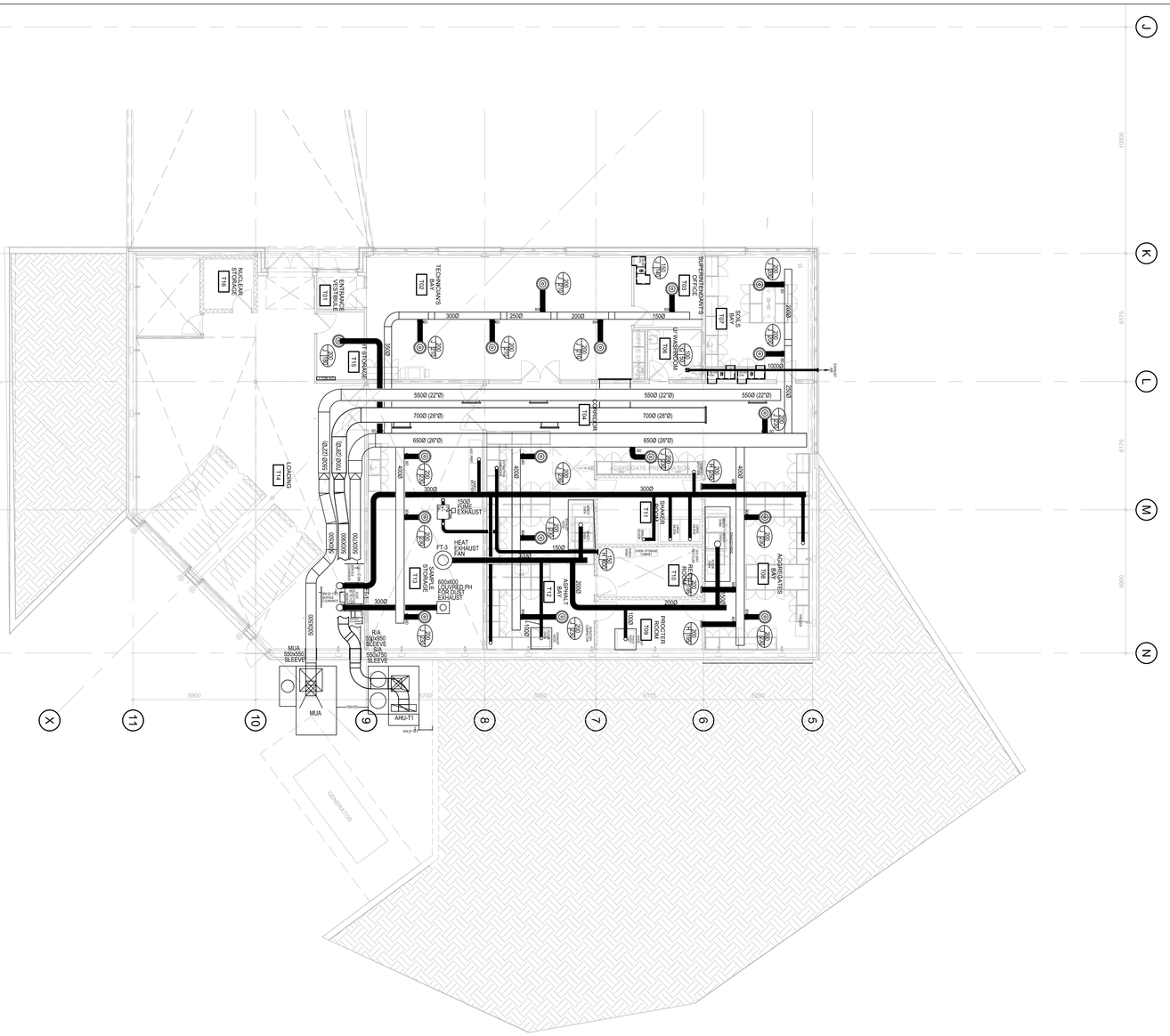
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CITIGATE, OTTAWA

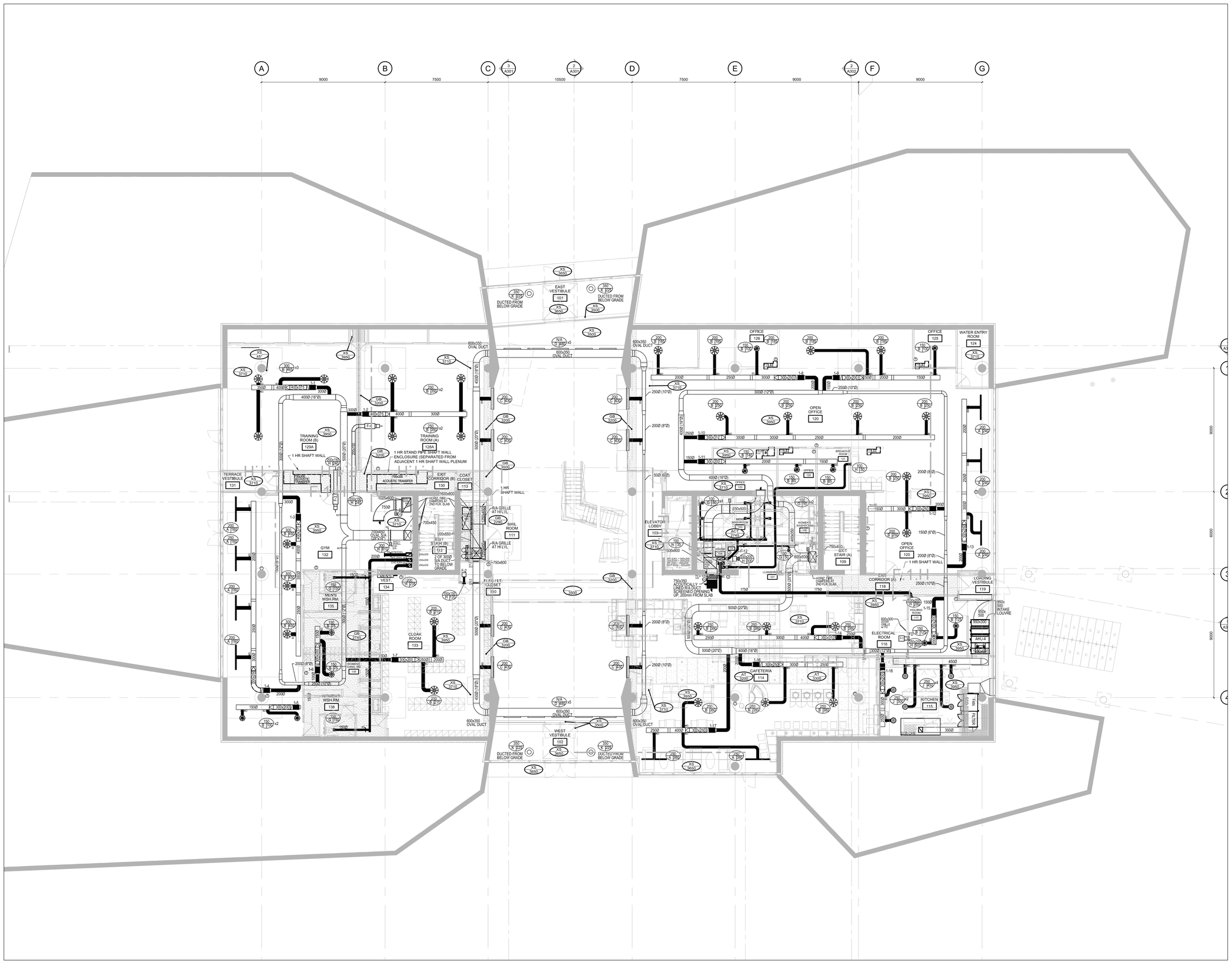
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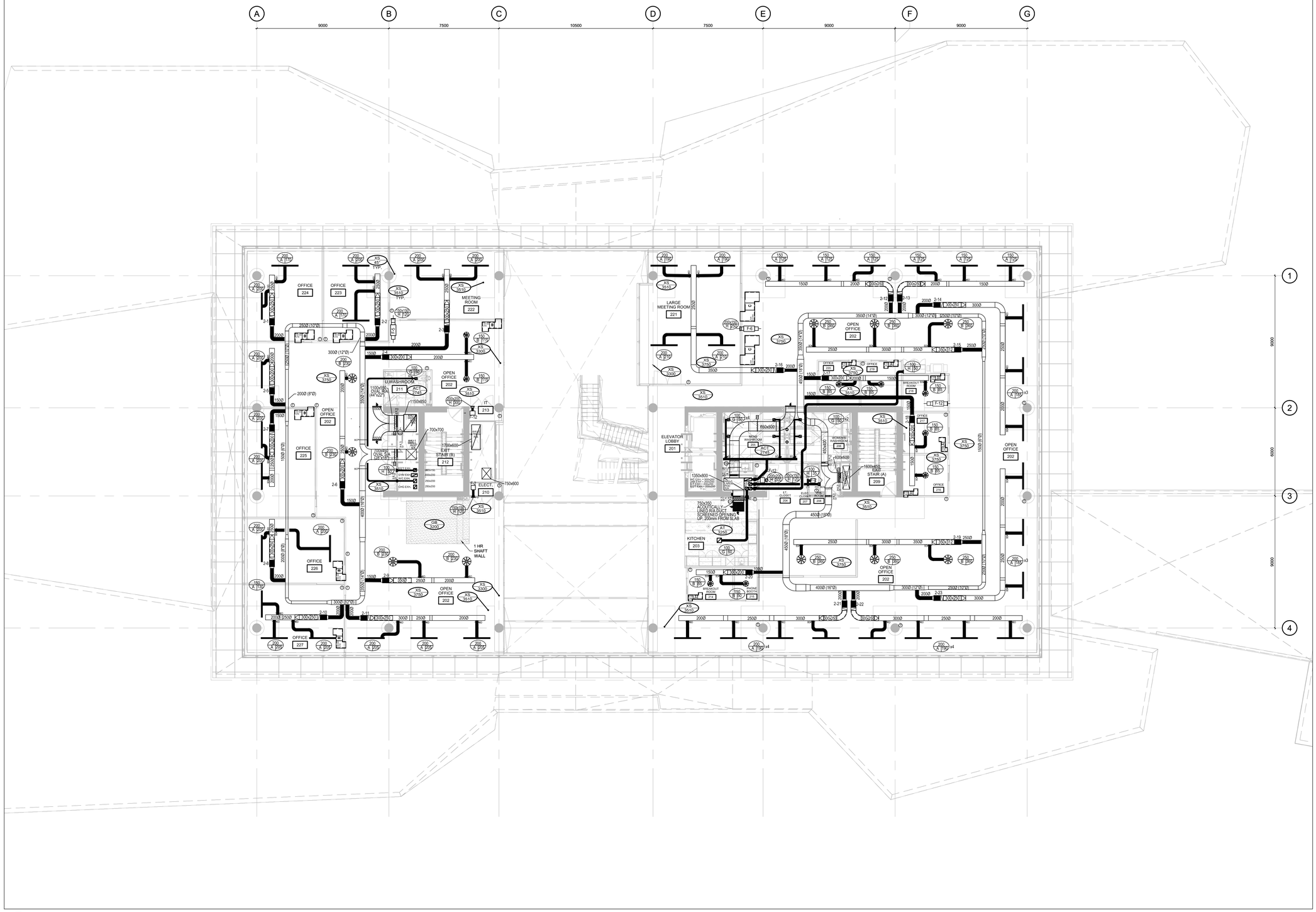
MECHANICAL
PLUMBING
MECHANICAL PENTHOUSE
ROOF PLAN

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.: 1570	drawing no.: M106
revision: 0	


NUCLEAR GAUGE STORAGE
T116
ENTRANCE
T101
TECHNICIAN'S
T103
SHIPPING/RECEIVING
T104
SCALES
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7500
9000
9000
EAST VESTIBULE 101
WEST VESTIBULE 102
DUCTED FROM BELOW GRADE
600x350 OVAL DUCT
TERRACE VESTIBULE 131
TRAINING ROOM (B) 129A
TRAINING ROOM (A) 128A
1 HR SHAFT WALL
1 HR STAND PIPE SHAFT WALL ENCLOSURE (SEPARATED FROM ADJACENT 1 HR SHAFT WALL PLENUM
EXIT CORRIDOR (B) 130
COAT CLOSET 113
MAIL ROOM 111
R/A GRILLE AT HI LVL
GYM 132
MEN'S WSH.RM. 135
WOMEN'S WSH.RM. 138
CLOAK ROOM 133
ELEC./ELT. CLOSET 110
ELEVATOR LOBBY 103
OFFICE 126
OFFICE 125
WATER ENTRY ROOM 124
OPEN OFFICE 120
BREAKOUT ROOM 121
OFFICE 122
OFFICE 123
OFFICE 127
EXIT STAIR (A) 109
EXIT CORRIDOR (A) 118
OPEN OFFICE 120
ELECTRICAL ROOM 116
CAFETERIA 114
KITCHEN 115
LOADING VESTIBULE 119
950x500 INTAKE LOUVRE
AHU-4
EXH-4
SUB CHIP
1 HR SHAFT WALL
1 HR STAND PIPE SHAFT WALL ENCLOSURE (SEPARATED FROM ADJACENT 1 HR SHAFT WALL PLENUM
750x300 MOTORIZED DAMPER
750x300 ACOUSTIC TRANSFER
1500x600 HORIZ. FIRE DAMPER (F) 2ND FLR. SLAB
1025x600 HORIZ. FIRE DAMPER (F) 2ND FLR. SLAB
750x300 NORMALLY CLOSED (NC) R/A DUCT SCREENED OPENING UP 200mm FROM SLAB
750x450 HORIZ. FIRE DAMPER (F) 2ND FLR. SLAB
750x400 HORIZ. FIRE DAMPER (F) 2ND FLR. SLAB
3 OF 3000 S/A DUCT TO BELOW GRADE
1500x600 S/A DUCT TO BELOW GRADE
1500x600 R/A DUCT FROM ABOVE
1500x600 R/A DUCT TO BELOW



1 M122 HVAC - SECOND FLOOR PLAN

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REVISIONS

LICENSED PROFESSIONAL ENGINEER
2016-11-22
M.M.KARAKOLIS
100172617
PROVINCE OF ONTARIO

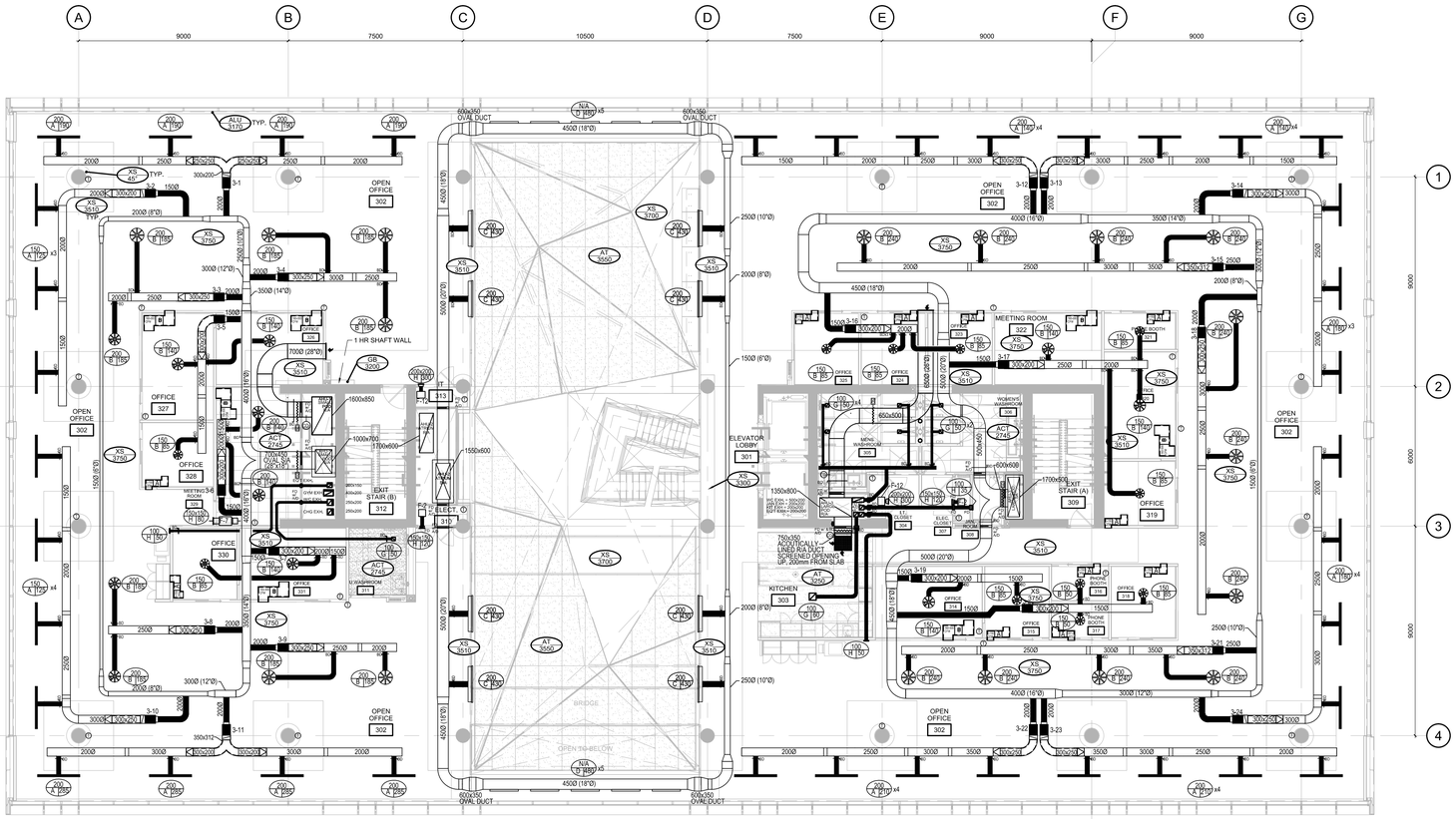
client:
TOMLINSON
5597 POWER RD
OTTAWA, ON
K1Q 3N4

project:
TOMLINSON
NEW BUILDING
CITIGATE, OTTAWA

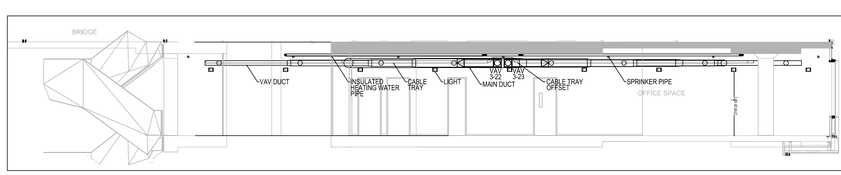
drawing title:
MECHANICAL
HVAC
SECOND FLOOR PLAN

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.: 1570
drawing no.: M122
revision: 0



1 M123 HVAC - THIRD FLOOR PLAN



2 M123 HVAC - THIRD FLOOR SOUTH - WEST ELEVATION VIEW

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100172617
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client:

TOMLINSON

5597 POWER RD
OTTAWA, ON
K1G 3N4

project:

TOMLINSON

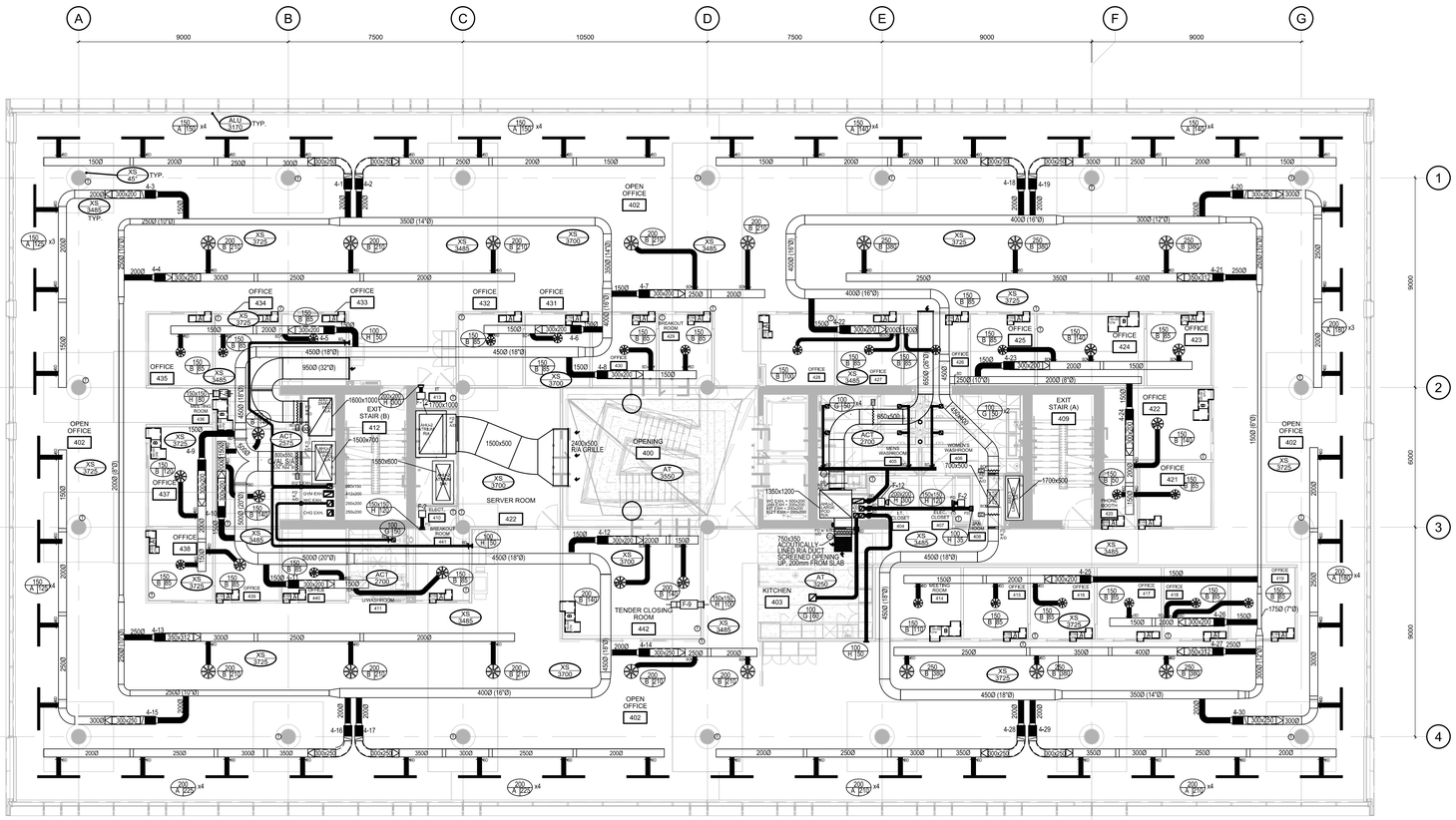
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CITIGATE, OTTAWA

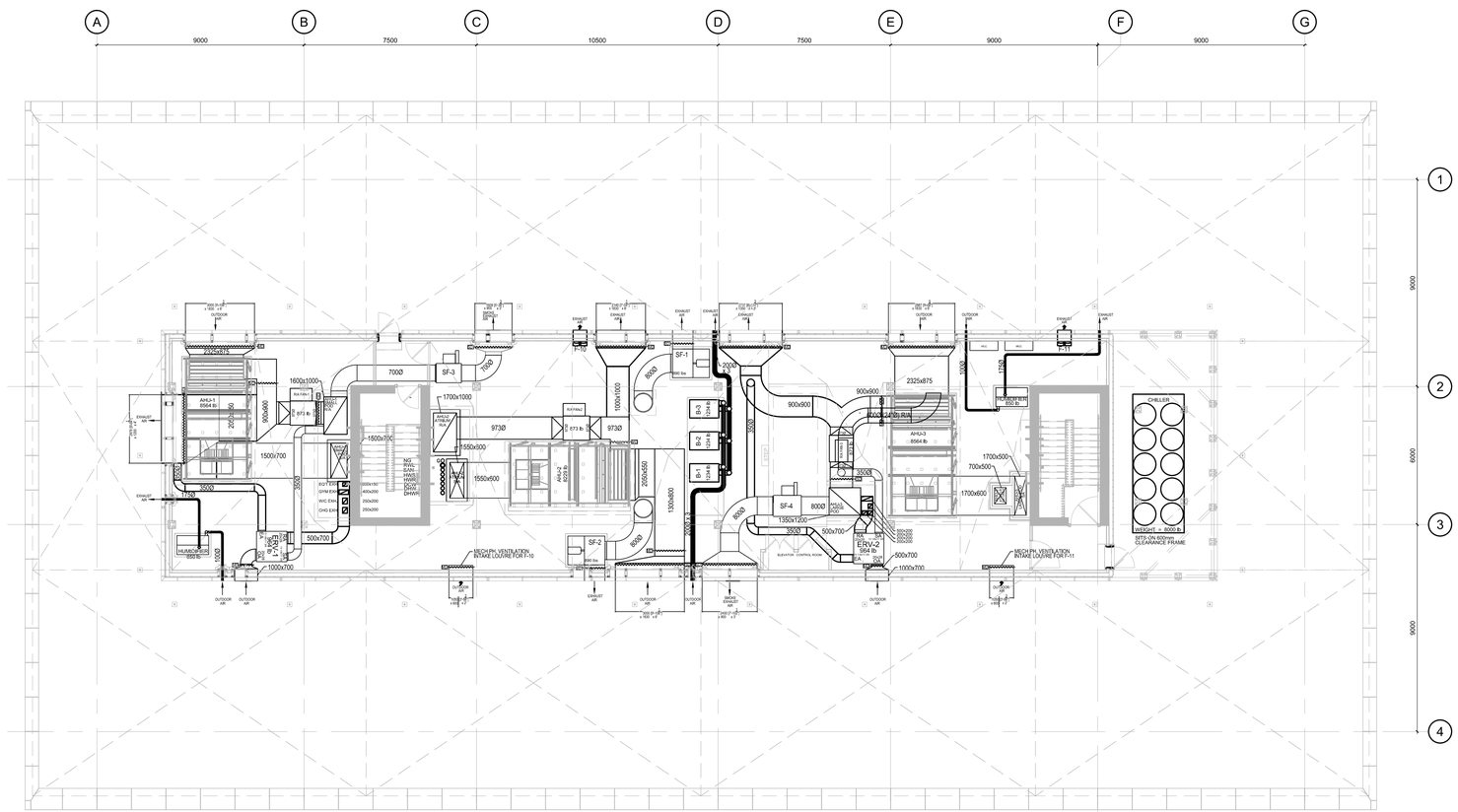
drawing title:

MECHANICAL
HVAC
THIRD FLOOR PLAN

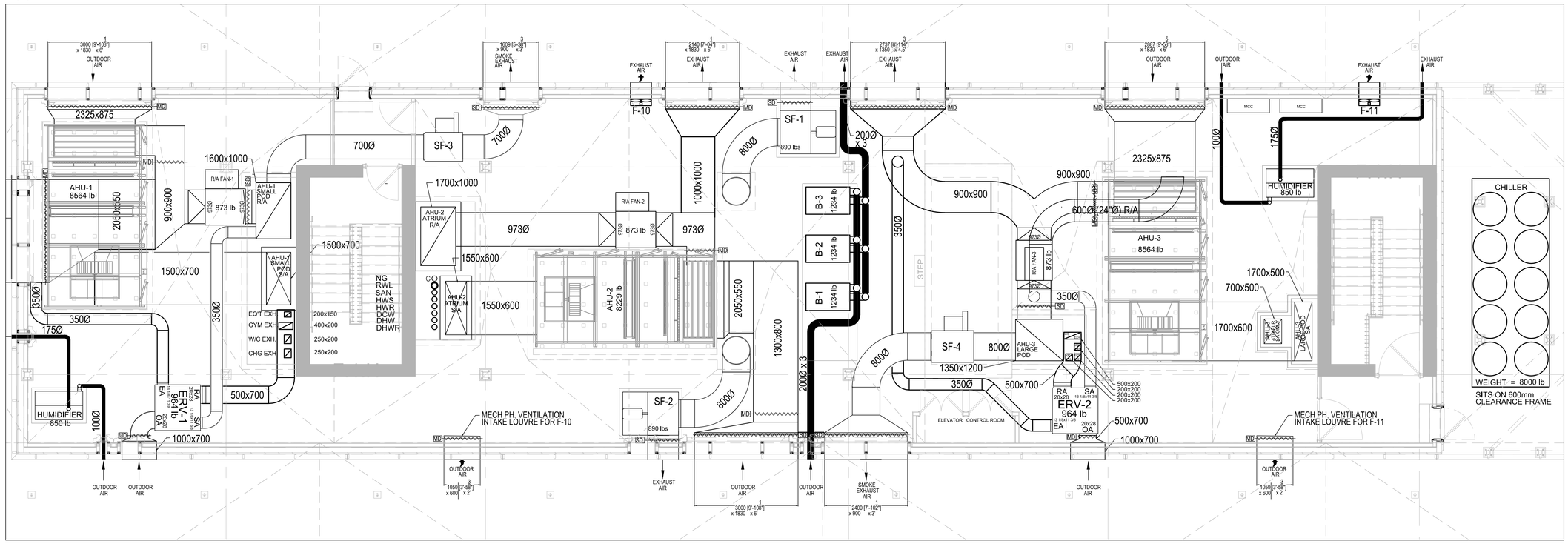
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designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.: 1570	drawing no.: M123
revision: 0	


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OFFICE



1 HVAC - MECHANICAL PENTHOUSE PLAN
M125



1 HVAC - MECHANICAL PENTHOUSE PLAN
M125 1:50

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M.M. KARAKOLIS
100172617
PROVINCE OF ONTARIO

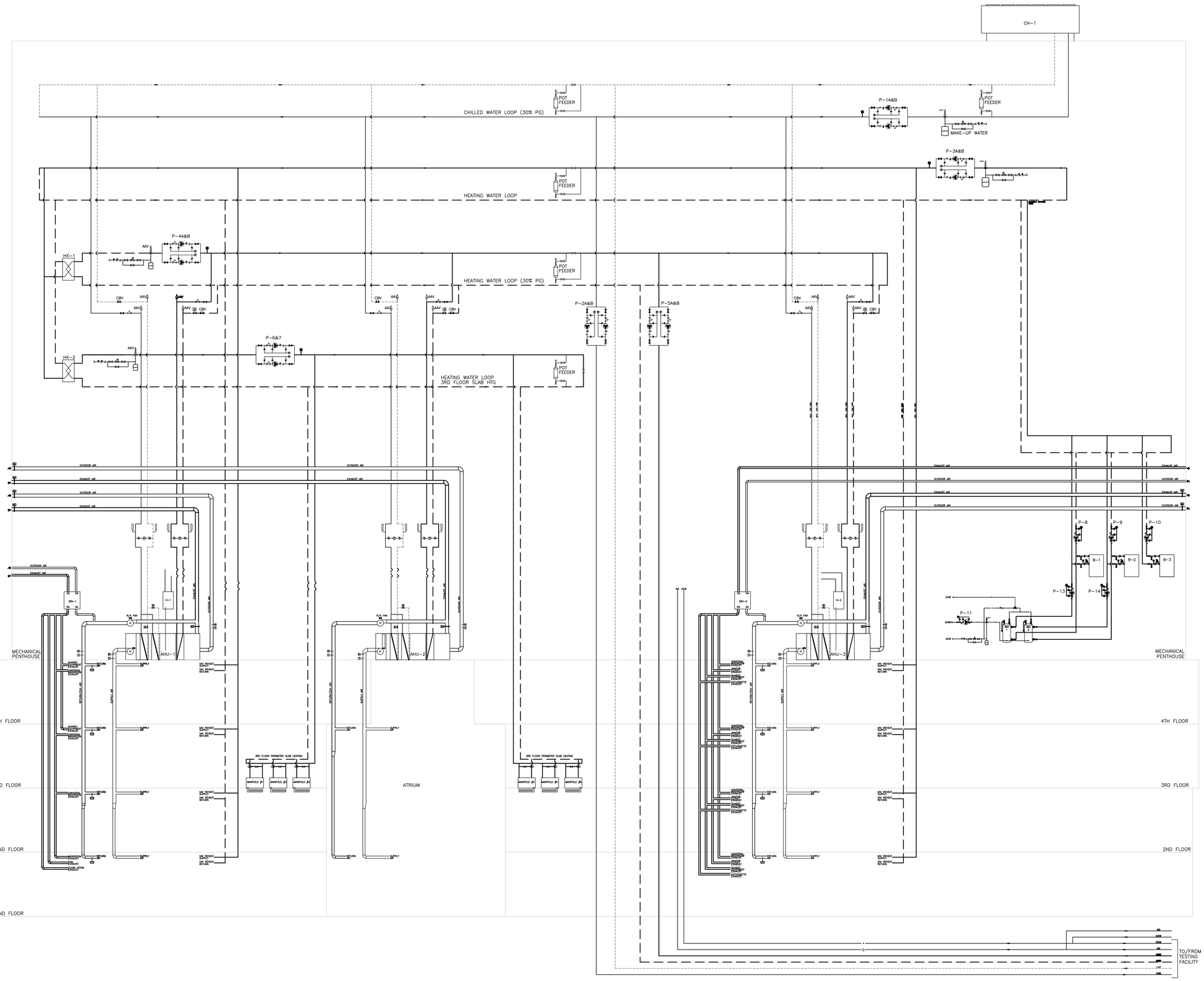
client:
TOMLINSON
5597 POWER RD
OTTAWA, ON
K1G 3N4

project:
TOMLINSON
NEW BUILDING
CITIGATE, OTTAWA

drawing title:
MECHANICAL
HVAC
MECHANICAL PENTHOUSE PLAN

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.: 1570	drawing no.: M125
revision: 0	



1 M200 SYSTEM SCHEMATIC

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2016-11-22
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100172617

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K1G 3N4

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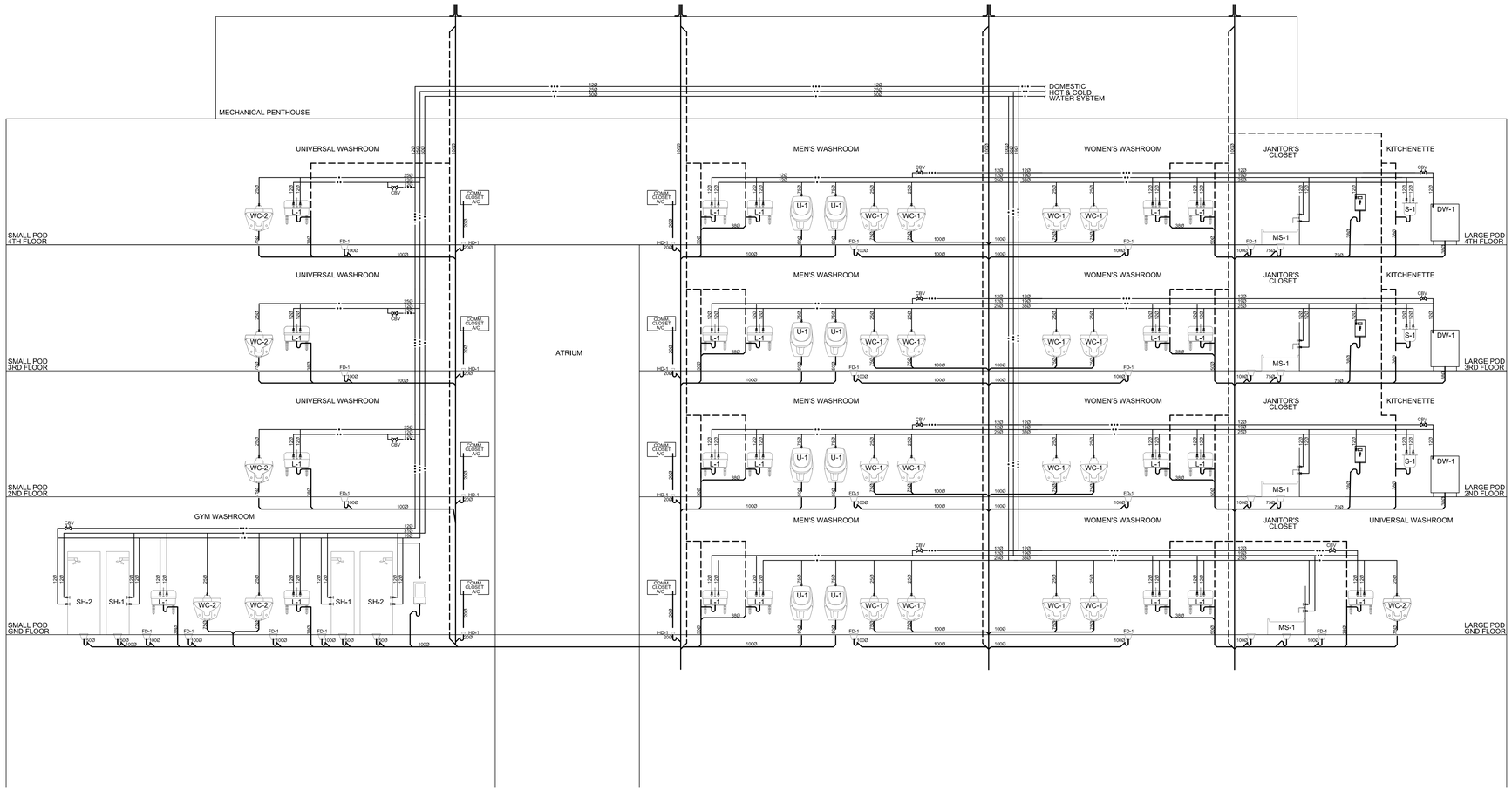
drawing title:

MECHANICAL

HVAC
SYSTEM SCHEMATIC

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.:	drawing no.:
1570	M200
revision: 0	



1 M201 DHCW & SANITARY RISER DIAGRAM

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2016-11-22
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100172617

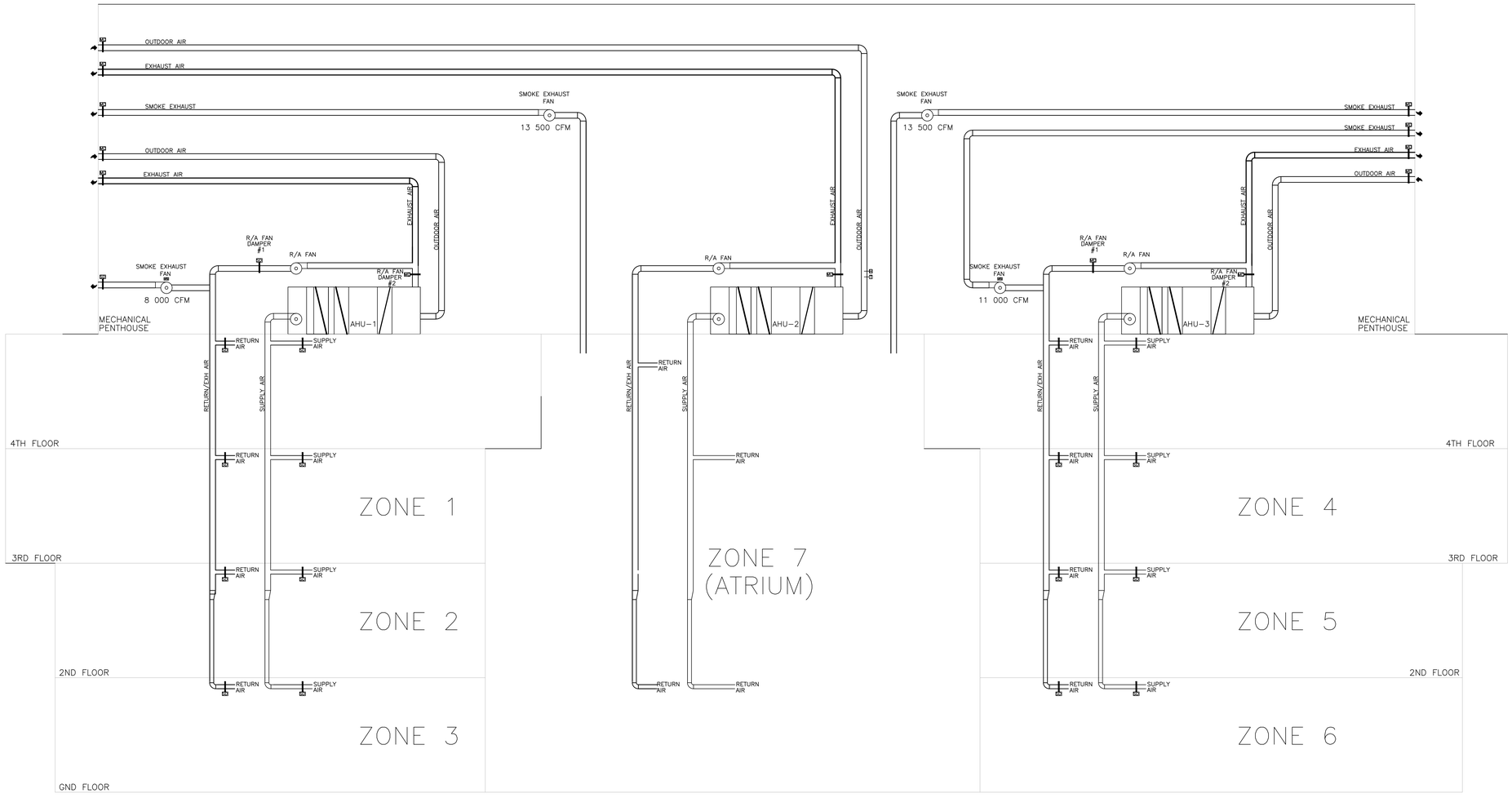
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5597 POWER RD
OTTAWA, ON
K1G 3N4

project:
TOMLINSON
NEW BUILDING
CITIGATE, OTTAWA

drawing title:
MECHANICAL
DHCW & SANITARY
RISER DIAGRAM

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.: 1570
drawing no.: M201
revision: 0



Sequence of Operations is as follows:

1. Smoke is Detected in Zone X
2. Atrium Doors Open
3. AHU #2 SA Fan Off
4. RA Fan Off at AHU #2
5. Atrium Smoke Exhaust Damper Opens
6. Atrium Smoke Exhaust Fan On
7. AHU SA Fan Serving Zone X Off
8. RA Fan Serving Zone X Off
9. Zone X RA Damper Remains Open
10. Zone X SA Damper Remains Open
11. Zone X VAV Dampers to Full Open
12. All other RA and SA Dampers Close on floors above and below Zone X
13. RA Fan Damper #1 Closes at AHU Serving Zone X
14. RA Fan Damper #2 Closes at AHU Serving Zone X
15. EA Damper Closes at AHU Serving Zone X
16. Main OA Damper Opens 100% at AHU Serving Zone X
17. Smoke Exhaust Damper Opens at AHU Serving Zone X
18. Smoke Exhaust Fan On at AHU Serving Zone X
19. AHU SA Fan Serving Zone X On and set to Smoke Control Speed Setpoint
20. AHU SA Fan Serving Opposite Side of Atrium to Zone X Off

1 M202 SMOKE CONTROL SCHEMATIC & SEQUENCE OF OPERATIONS

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LICENSED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO 2016-11-22 M.M.KARAKOLIS 100172617

client:
TOMLINSON
5597 POWER RD
OTTAWA, ON
K1G 3N4

project:
TOMLINSON
NEW BUILDING
CITIGATE, OTTAWA

drawing title:
MECHANICAL
SMOKE CONTROL SCHEMATIC & SEQUENCE OF OPERATIONS

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by:	J.R.P.	date:	JULY 2016

project no.: 1570
drawing no.: M202
revision: 0

AIR HANDLING UNIT SCHEDULE

							HEATING						COOLING													
						EXTERNAL STAIC				MBH			FLOW RATE										FLOW RATE	COIL PD	ELECTRICAL				
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL #	DESIGN CFM	PRESSURE (“WG)	FLUID TYPE	EAT (°F)	LAT (°F)		EWT (°F)	LWT (°F)	(GPM)	COIL PD (FT)	FLUID TYPE	ENT WB (°F)	ENT DB (°F)	LVG WB (°F)	LVG DB (°F)	SEN MBH	TOTAL MBH	EWT (°F)	LWT (°F)	(GPM)	(FT)	VOLTS	AMPS or HP	RPM	CONTROL	E-POWER
AHU-1	SMALL POD	MECH. PH	DAIKIN	CAH045GDGM	20000	2.00	30 %PG	40	90.8	1110	140	120	115 GPM	14	30% PG	67	80	53.8	54	567.7	809.4	45	55.1	167.1	19.4	575/3/60	30 HP	1011	VFD	Y
AHU-2	ATRIUM	MECH. PH	DAIKIN	CAH040GDMG	17000	2.00	30 %PG	40	90.5	939	140	120	97.8	11.2	30% PG	67	80	54.1	54.3	477	674.8	45	54.9	142	9	575/3/60	30 HP	1160	VFD	Y
AHU-3	LARGE POD	MECH. PH	DAIKIN	CAH045GDGM	20000	2.00	30 %PG	40	90.8	1110	140	120	115 GPM	14	30% PG	67	80	53.8	54	567.7	809.4	45	55.1	167.1	19.4	575/3/60	30 HP	1011	VFD	Y
AHU-4	KITCHEN MUA	HOLDING ROOM, GND FLR	DAIKIN	CAH006GDGC	1800	1.00	30% PG	-20	70.7	178	135	114.9	18.6	2.4	30% PG	72	90	50.3	50.5	77.6	122.8	45	55.1	24.5	20.9	230/3/60	3 HP	3209	VFD	
AHU-T1	TEST FACILITY MAIN	TEST FACILITY MECH ROOM	DAIKIN	CAH013GDGM	5000	1.50	30 %PG	50	96.1	252	140	119.5	25.9	2.9	30% PG	66	79	56.4	57.4	118	149	45	55.3	30	13.8	575/3/60	7.5 HP	2276	VFD	Y
AHU-T2	TEST FACILITY MUA	TEST FACILITY CEILING SPACE	DAIKIN	CAH010GDGM	3500	1.50	30 %PG	-17	97.6	438	140	119.5	45.1	12.8	30% PG	66	79	56.8	57.8	81.2	100.3	45	55.5	20	8.9	575/3/60	7.5	3565	VFD	Y

RETURN AIR FAN SCHEDULE

					FLOW			FAN		ELECTRICAL				
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL #	(CFM)	**FEG**	SP (“WG)	RPM	BHP	VOLTS	AMPS or HP	RPM	CONTROL	E-POWER
RAF-1	RETURN AIR - AHU-1	MECH PH	COOK	270QMX	20000	80	1	1370	7.97	575/3/60	11A	1725	VFD	
RAF-2	RETURN AIR - AHU-2	MECH PH	COOK	402SQN-HP	17000	53	1.5	741	9.21	575/3/60	17A	1725	VFD	
RAF-3	RETURN AIR - AHU-3	MECH PH	COOK	270QMX	20000	80	1	1370	7.97	575/3/60	11A	1725	VFD	

SMOKE CONTROL FAN SCHEDULE

					FLOW		FAN		ELECTRICAL				
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL #	(CFM)	SP (“WG)	RPM	BHP	VOLTS	AMPS or HP	RPM	CONTROL	E-POWER
SF-1	ATRIUM SMOKE EXH.	MECH PH EAST	PENN BARRY	VCR-BI-300	13500	0.5	864	4.36	575/3/60	5 HP	1800	FIRE ALM	
SF-2	ATRIUM SMOKE EXH. STANDBY	MECH PH WEST	PENN BARRY	VCR-BI-300	13500	0.5	864	4.36	575/3/60	5 HP	1800	FIRE ALM	
SF-3	NORTH POD SMOKE EXH.	MECH PH EAST	PENN BARRY	ESI 222	8000	0.25	1123	1.34	575/3/60	1.5 HP	-	FIRE ALM	
SF-4	SOUTH POD SMOKE EXH.	MECH PH WEST	PENN BARRY	ESI 245	11000	0.25	999	2.38	575/3/60	3 HP	-	FIRE ALM	

FAN SCHEDULE

					FLOW		FAN		ELECTRICAL			
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL #	(CFM)	SP (“WG)	RPM	BHP	VOLTS	AMPS or HP	CONTROL	E-POWER
F-1	MAIN ELECTRICAL ROOM TRANSFER	GROUND FLOOR	PENN BARRY	Z102STDA	500	0.25	871	0.06	115/1/60	N/A		
F-2	ELECTRICAL CLOSETS TRANSFER	7 REQUIRED THROUGHOUT	PENN BARRY	Z5HTDA	150	0.01	1167	0.01	115/1/60	N/A		
F-3	TRAINING ROOM TRANSFER	GROUND FLOOR	PENN BARRY	Z81STDA	250	0.25	1044	0.03	115/1/60	N/A		
F-4	TRAINING ROOM TRANSFER	GROUND FLOOR	PENN BARRY	Z81STDA	250	0.25	1044	0.03	115/1/60	N/A		
F-5	MEETING ROOM	SECOND FLOOR	PENN BARRY	Z5HTDA	100	0.25	1323	0.01	115/1/60	N/A		
F-6	MEETING ROOM	SECOND FLOOR	PENN BARRY	Z81STDA	250	0.25	1044	0.03	115/1/60	N/A		
F-7	MEETING ROOM	THIRD FLOOR	PENN BARRY	Z5HTDA	100	0.25	1323	0.01	115/1/60	N/A		
F-8	MEETING ROOM	FOURTH FLOOR	PENN BARRY	Z5HTDA	100	0.25	1323	0.01	115/1/60	N/A		
F-9	MEETING ROOM	FOURTH FLOOR	PENN BARRY	Z5HTDA	100	0.25	1323	0.01	115/1/60	N/A		
F-10	MECHANICAL PH VENTILATION	MECH PH NORTH	PENN BARRY	P165A	2100	0.28	1300	0.3	115/1/60	0.5 HP		
F-11	MECHANICAL PH VENTILATION	MECH PH SOUTH	PENN BARRY	P165A	2100	0.28	1300	0.3	115/1/60	0.5 HP		
F-12	IT CLOSET TRANSFER	7 REQUIRED THROUGHOUT	PENN BARRY	Z8H	300	0.25	1299	0.04	115/1/60	N/A		
F-13	ATRIUM CEILING FAN	2 REQUIRED IN ATRIUM	CANARM	CP60 HPWP	46 000	N/A	292	-	115/1/60	0.84 A		
FT-1	TESTING FACILITY	DUST COLLECTION	PLYMOVENT	MXB-4F	950-2200	6.4 -2.2	-	-	600/3/60	3.1 A	VFD	
FT-2	TESTING FACILITY	FUME EXHAUST	PENN BARRY	SX125BHC	600	2	1669	0.81	115/1/60	1 HP	CONTINUOUS	
FT-3	TESTING FACILITY	HEAT EXHAUST	PENN BARRY	FX128H	1000	1.5	1404	0.62	115/1/60	3/4 HP	ON/OFF	

ECOLOGY UNIT SCHEDULE

TAG	SERVICE	LOCATION	MANUFACTURER	MODEL #	DESIGN CFM	EXTERNAL STAIC PRESSURE (“WG)	FLUID TYPE	EAT (°F)	LAT (°F)	MBH	EWT (°F)	LWT (°F)	FLOW RATE (GPM)	COIL PD (FT)	ELECTRICAL VOLTS	ELECTRICAL AMPS or HP	ELECTRICAL RPM	CONTROL	E-POWER
ECO-1	KITCHEN HOOD EXHAUST	KITCHEN	HALTON	EF3/B3	2225	4.35(int), 1.25(ext)	3600	3	575/3/60	5 HP									N

ENTHALPY RECOVERY VENTILATOR SCHEDULE

							EXT. SP	ELECTRICAL				
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL #	DESIGN CFM	FEG	(“WG)	VOLTS	AMPS or HP	RPM	CONTROL	E-POWER
ERV-1	BUILDING EXHAUST	MECH PH	COOK	ERV-2500	2000	56	1	575/3/60	1.5 HP	1725	TBD	N
ERV-2	BUILDING EXHAUST	MECH PH	COOK	ERV-2500	2000	56	1	575/3/60	1.5 HP	1725	TBD	N

GRILLES AND DIFFUSERS SCHEDULE

TAG	SERVICE	MANUFACTURER	MODEL #	TYPE
A	OFFICE SUPPLY AIR (EXTERIOR)	NAD-KLIMA	SAL 35	LINEAR DIFFUSER
B	OFFICE SUPPLY AIR (INTERIOR)	NAD-KLIMA	DAL 358	SWIRL DIFFUSER (ROUND PLENUM)
C	ATRIUM SUPPLY AIR (NORTH/SOUTH)	NAD-KLIMA	SAL	LINEAR DIFFUSER
D	ATRIUM SUPPLY AIR (EAST/WEST GLAZING)	EH PRICE	SDG OR EQUIVALENT	SPIRAL DUCT GRILLE
E	OFFICE RETURN AIR	TBD	TBD	SS MESH
F	ATRIUM RETURN AIR	TBD	TBD	SS MESH
G	W/C & JAN. CLOSET EXHAUST	EH PRICE	LG	EGG CRATE RETURN, 25mm FRAME, STEEL, WHITE POWDER COATED
H	ROOM SUPPLY & EXHAUST	EH PRICE	LG	EGG CRATE RETURN, 25mm FRAME, STEEL, WHITE POWDER COATED
I	NOT USED	NOT USED	NOT USED	NOT USED
J	TEST FACILITY SUPPLY	EH PRICE	RCD	ROUND NECK, ROUND CONE, SPUN ALUMINUM

GROUND FLOOR VAV SCHEDULE

TAG	MIN. CFM	MAX. CFM	MBH @ MAX. CFM	GPM @ MAX. CFM
1-1	419	1395	53.0	5.3
1-2	420	1400		
1-3	405	1350		
1-4	192	640	24.3	2.4
1-5	60	200	7.6	0.8
1-6	45	150	5.7	0.6
1-7	129	430		
1-8	167	555	21.1	2.1
1-9	108	360	13.7	1.4
1-10	300	1000		
1-11	68	225		
1-12	176	585		
1-13	216	720	27.3	2.7
1-14	342	1140		
1-15	90	300		
1-16	228	760	28.9	2.9
1-17	342	1140	43.3	4.3
1-18	180	600	22.8	2.3

SECOND FLOOR VAV SCHEDULE

TAG	MIN. CFM	MAX. CFM	MBH @ MAX. CFM	GPM @ MAX. CFM
2-1	111	370	14.1	1.4
2-2	111	370	14.1	1.4
2-3	120	400	15.2	1.5
2-4	69	230		
2-5	60	200	7.6	0.8
2-6	138	460		
2-7	120	400	15.2	1.5
2-8	120	400	15.2	1.5
2-9	138	460		
2-10	162	540	20.5	2.1
2-11	185	615	23.4	2.3
2-12	90	300	11.4	1.1
2-13	135	450	17.1	1.7
2-14	167	555	21.1	2.1
2-15	324	1080		
2-16	240	800	30.4	3.0
2-17	77	255		
2-18	51	170		
2-19	324	1080		
2-20	41	135		
2-21	228	760	28.9	2.9
2-22	228	760		
2-23	167	555	21.1	2.1

THIRD FLOOR VAV SCHEDULE

TAG	MIN. CFM	MAX. CFM	MBH @ MAX. CFM	GPM @ MAX. CFM
3-1	228	760	28.9	2.9
3-2	113	375	14.2	1.4
3-3	111	370		
3-4	167	555		
3-5	110	365		
3-6	84	280		
3-7	68	225		
3-8	111	370		
3-9	111	370		
3-10	150	500	19.0	1.9
3-11	342	1140	43.3	4.3
3-12	168	560	21.3	2.1
3-13	168	560	21.3	2.1
3-14	162	540	20.5	2.1
3-15	288	960		
3-16	77	255		
3-17	135	450		
3-18	216	720		
3-19	68	**225**		
3-20	56	185		
3-21	288	960		
3-22	252	840	31.9	3.2
3-23	252	840	31.9	3.2
3-24	216	720	27.3	2.7

FOURTH FLOOR VAV SCHEDULE

TAG	MIN. CFM	MAX. CFM	MBH @ MAX. CFM	GPM @ MAX. CFM
4-1	180	600	22.8	2.3
4-2	180	600	22.8	2.3
4-3	113	375	14.2	1.4
4-4	189	630		
4-5	77	255		
4-6	51	170		
4-7	126	420		
4-8	51	170		
4-9	87	290		
4-10	84	280		
4-11	51	170		
4-12	84	280		
4-13	189	630		
4-14	126	420		
4-15	150	500	19.0	1.9
4-16	270	900	34.2	3.4
4-17	270	900	34.2	3.4
4-18	168	560	21.3	2.1
4-19	168	560	21.3	2.1
4-20	162	540	20.5	2.1
4-21	342	1140		
4-22	81	270		
4-23	93	310		
4-24	83	275		
4-25	84	280		
4-26	77	255		
4-27	342	1140		
4-28	252	840	31.9	3.2
4-29	252	840	31.9	3.2
4-30	216	720	27.3	2.7

CHILLER SCHEDULE

									FLOW RATE	FR MIN/MAX			ELECTRICAL			
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL #	TONS	FLUID TYPE	EFT (°F)	LFT (°F)	(GPM)	(GPM)	COIL PD (FT)	**IPLV (EER)**	VOLTS	AMPS or HP	CONTROL	E-POWER
CH-1	AHU COOLING	ROOF	DAIKIN	AGZ150E	150	50% EG	54	44	350.9	136/567	10.4	16.8	575/60/3	131A & 134A	VFD	N

BOILER SCHEDULE

					EFF.			FLOW (GPM)	COIL PD (FT)	HEATING (NATURAL GAS)		ELECTRICAL			
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL #	%	EWT (°F)	LWT (°F)			INPUT (MBH)	OUTPUT (MBH	VOLTS	AMPS or HP	CONTROL	E-POWER
B-1	HTG BOILER	MECHANICAL PH	RAYPAK	1505	96	120F	160F	150 GPM		1500	1440	120/60/1	14 A		N
B-2	HTG BOILER	MECHANICAL PH	RAYPAK	1505	96	120F	160F	150 GPM		1500	1440	120/60/1	14 A		N
B-3	HTG BOILER	MECHANICAL PH	RAYPAK	1505	96	120F	160F	150 GPM		1500	1440	120/60/1	14 A		N

HUMIDIFIER SCHEDULE

TAG	SERVICE	LOCATION	MANUFACTURER	MODEL #	NATURAL GAS INPUT (MBH)	CAPACITY (LBS/HR)	ELECTRICAL VOLTS	ELECTRICAL AMPS or HP	CONTROL	E-POWER
H-1	HUMIDIFIER SERVING AHU-1	MECHANICAL PH	DRISTEEM	GTS-300	300	225	120/60/1	14 A	BAS	N
H-2	HUMIDIFIER SERVING AHU-3	MECHANICAL PH	DRISTEEM	GTS-300	300	225	120/60/1	14 A	BAS	N

HEAT EXCHANGER SCHEDULE

					COLD SIDE					HOT SIDE				
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL	MEDIUM	EWT (°F)	LWT (°F)	FLOW (GPM)	PD (PSI)	MEDIUM	EWT (°F)	LWT (°F)	FLOW (GPM)	PD (PSI)
HX-1	GLYCOL HEATING LOOP	MECHANICAL PH	ARMSTRONG	AT470X-IS1-146/133	30% PG	120	140	400	4.09	WATER	140	120	450	5.04

PUMP SCHEDULE

					CAPACITY		ELECTRICAL				
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL #	FLOW (GPM)	HEAD (FT)	VOLTS	HP	PH.	CONTROL	E-POWER
P-1A	CW/GLYCOL TO CH-1/AHUs	MECHANICAL PH	ARMSTRONG	4300 0306-015.0	350	100	575	15	3	VFD	N
P-1B	CW/GLYCOL TO CH-1/AHUs	MECHANICAL PH	ARMSTRONG	4300 0306-015.0	350	100	575	15	3	VFD	N
P-2A	CW/GLYCOL TO TEST FACILITY	MECHANICAL PH	ARMSTRONG	4380 0206-001.5	60	35	575	1.5	3	VFD	N
P-2B	CW/GLYCOL TO TEST FACILITY	MECHANICAL PH	ARMSTRONG	4380 0206-001.5	60	35	575	1.5	3	VFD	N
P-3A	HW TO HXs AND VAVS	MECHANICAL PH	ARMSTRONG	4300 0408-010.0	450	50	575	10	3	VFD	N
P-3B	HW TO HXs AND VAVS	MECHANICAL PH	ARMSTRONG	4300 0408-010.0	450	50	575	10	3	VFD	N
P-4A	HW/GLYCOL TO AHUs	MECHANICAL PH	ARMSTRONG	4300 0306-015.0	400	80	575	15	3	VFD	N
P-4B	HW/GLYCOL TO AHUs	MECHANICAL PH	ARMSTRONG	4300 0306-015.0	400	80	575	15	3	VFD	N
P-5A	HW /GLYCOL TO TEST FACILITY	MECHANICAL PH	ARMSTRONG	4380 1508-001.5	60	40	575	1.5	3	VFD	N
P-5B	HW/GLYCOL TO TEST FACILITY	MECHANICAL PH	ARMSTRONG	4380 1508-001.5	60	40	575	1.5	3	VFD	N
P-6	HW TO NORTH 3RD FLOOR SLAB HTG	MECHANICAL PH	ARMSTRONG	E14.2 c/ 120V	30	35	115	0.4	1		N
P-7	HW TO SOUTH 3RD FLOOR SLAB HTG	MECHANICAL PH	ARMSTRONG	E14.2 c/ 120V	30	35	115	0.4	1		N
P-8	BOILER - 1 TO HW LOOP	MECHANICAL PH	ARMSTRONG	E21.2 c/ 120V	60	15	115	0.4	1		N
P-9	BOILER- 2 TO HW LOOP	MECHANICAL PH	ARMSTRONG	E21.2 c/ 120V	60	15	115	0.4	1		N
P-10	BOILER- 3 TO HW LOOP	MECHANICAL PH	ARMSTRONG	E21.2 c/ 120V	60	15	115	0.4	1		N
P-11	DHWR	MECHANICAL PH	ARMSTRONG	ASTRO 225BS 3/4-5WT	1.5	6	115	0.1	1		N
P-12A&B	ELEVATOR SUMP	JAN. CLOSET - GND FLOOR	MYERS	5SXHT	50	35	115	0.5	1		N
P-13	HW TO INDIRECT WATER HEATER 1	MECHANICAL PH	ARMSTRONG	4380 2x2x6-1.5HP	90	24	575	1.5	3		N
P-14	HW TO INDIRECT WATER HEATER 2	MECHANICAL PH	ARMSTRONG	4380 2x2x6-1.5HP	90	24	575	1.5	3		N

EXPANSION TANK SCHEDULE

TAG	SERVICE	LOCATION	MANUFACTURER	MODEL	HEIGHT (INCHES)	DIAMETER (INCHES)	VOLUME
ET-1	CHILLED WATER LOOP (30% PG)	MECHANICAL PH	AMTROL	SX-90V	36	22	44 GALLON
ET-2	HEATING WATER LOOP	MECHANICAL PH	AMTROL	SX-110V	47	22	62 GALLON
ET-3	HEATING WATER LOOP (30%PG)	MECHANICAL PH	AMTROL	SX-110V	47	22	62 GALLON
ET-4	HEATING WATER LOOP (SLAB HTG)	MECHANICAL PH	AMTROL	EX-90	21	15	14 GALLON
ET-5	DOMESTIC HOT WATER LOOP	MECHANICAL PH	AMTROL	EX-90	21	15	14 GALLON

PLUMBING FIXTURE SCHEDULE

					TRIM		PLUMBING CONNECTIONS			
TAG	FUNCTION	LOCATION	MANUFACTURER	MODEL	MANUFACTURER	MODEL	DHW (mm)	DCW (mm)	WASTE (mm)	NOTES
WC-1	WATER CLOSET	MAIN WASHROOMS	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	-	25	75	WALL HUNG, VITREOUS CHINA, ELONGATED BOWL, OPEN FRONT SEAT
WC-2	WATER CLOSET - ACCESSIBLE	MAIN & UNIV. W/Cs	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	-	25	75	WALL HUNG, VITREOUS CHINA, ELONGATED BOWL, OPEN FRONT SEAT, RAISED FOR ACCESSIBILITY
L-1	LAVATORY-ACCESSIBLE-COUNTER	MAIN WASHROOMS	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	12	12	38	WALL HUNG, VITREOUS CHINA, BARRIER FREE
U-1	URINAL	MAIN WASHROOMS	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	-	19	50	WALL HUNG, VITREOUS CHINA, TOP SPUD
S-1	KITCHEN SINK	THROUGHOUT	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	12	12	32	SINGLE BOWL, SS, SELF RIMMING, LEDGE BACK, 2 HOLE
S-2	MOP SINK	JANITOR'S CLOSET	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	12	12	75	MOULDED STONE, 24x24, FLOOR MOUNTED
SH-1	SHOWER	GROUND FLOOR	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	TO BE COORDINATED	12	12	50	TBD
EW/SS-1	EYE WASH/SAFETY SHOWER	TEST FACILITY	HAWS	8300	N/A	N/A	32		32	SEE MANUFACTURER'S SHOP DRAWING
DF-1	DRINK FOUNTAIN	GYM	ACORN	A111.8	N/A	N/A	-	12	32	SEE MANUFACTURER'S SHOP DRAWING
HB-1	HOSE BIBB	MECHANICAL PH	WATTS	HB-1	N/A	N/A	-	12		SEE MANUFACTURER'S SHOP DRAWING
RD-1	ROOF DRAIN	ROOF	WATTS	RD-100	N/A	N/A	-	-	100	SEE MANUFACTURER'S SHOP DRAWING
FD-1	FLOOR DRAIN	THROUGHOUT	WATTS	FD-100-CA	N/A	N/A	-	-	100	SEE MANUFACTURER'S SHOP DRAWING
FD-2	FLOOR DRAIN (INDIRECT)	KITCHEN	WATTS	FD-100-C-DD	N/A	N/A	-	-	100	SEE MANUFACTURER'S SHOP DRAWING
CO-1	CLEAN OUT	THROUGHOUT	WATTS	CO-100-C-R	N/A	N/A	-	-	-	SEE MANUFACTURER'S SHOP DRAWING

INDIRECT WATER HEATER SCHEDULE

TAG	FUNCTION	LOCATION	MANUFACTURER	MODEL	CAPACITY
IWH-1	DOMESTIC WATER HEATING	MECHANICAL PH.	THERMO 2000	TURBOMAX 44	48 GALLON
IWH-2	DOMESTIC WATER HEATING	MECHANICAL PH.	THERMO 2000	TURBOMAX 44	48 GALLON

DOMESTIC HOT WATER TANK SCHEDULE

TAG	FUNCTION	LOCATION	MANUFACTURER	MODEL	CAPACITY	NATURAL GAS INPUT
DHWT-1	DHW FOR TEST FACILITY	TEST FACILITY	AO SMITH	BTH 120	60 GALLON	120 MBH

UNIT HEATER SCHEDULE

					FLOW RATE	CAPACITY			MAX PD	VOLTS	AMPS
TAG	SERVICE	LOCATION	MANUFACTURER	MODEL #	(GPM)	(MBH)	EWT (°F)	LWT (°F)	(FT)		
UH-1	WATER ENTRY ROOM	WATER ENTRY ROOM	ENGINEERED AIR	H1	4	20	140	120	0.5	120/1/60	5
UH-2	MECHANICAL PENTHOUSE (3 REQUIRED)	MECHANICAL PENTHOUSE	ENGINEERED AIR	H1	4	20	140	120	0.5	120/1/60	5
UH-3	TEST FACILITY (2 REQUIRED)	LOADING DOCK	ENGINEERED AIR	H9	10	100	140	120	0.5	120/1/60	10

ENTRANCE HEATER SCHEDULE

				FLOW RATE	CAPACITY			MAX PD	VOLTS	AMPS
TAG	LOCATION	MANUFACTURER	MODEL #	(GPM)	(MBH)	EWT (°F)	LWT (°F)	(FT)		
EH-1	NORTH ENTRANCE	ENGINEERED AIR	CUH-1	1.5	15	140	120	2.4	120/1/60	0.6
EH-2	NORTH ENTRANCE (GYM)	ENGINEERED AIR	CUH-1	1.5	15	140	120	2.4	120/1/60	0.6
EH-3	SOUTH ENTRANCE (KITCHEN)	ENGINEERED AIR	CUH-1	1.5	15	140	120	2.4	120/1/60	0.6
EH-T1	TEST FACILITY VESTIBULE	ENGINEERED AIR	CUH-1	1.5	15	140	120	2.4	120/1/60	0.6
EH-T2	TEST FACILITY - LOADING AREA ENTRANCE	ENGINEERED AIR	CUH-1	1.5	15	140	120	2.4	120/1/60	0.6

AIR CONDITIONING UNIT SCHEDULE

TAG	DESCRIPTION	SERVICE	LOCATION	MANUFACTURER	MODEL #	TOTAL MBH	VOLTS	AMPS or HP	CONTROL	E-POWER
A/C E-1	A/C EVAPORATOR (INDOOR)	ELEVATOR CONTROL ROOM	MECH. PH	MITSUBISHI	PKA-A12HA	12	208/1/60	1A	T-STAT	Y
A/C C-1	A/C CONDENSER (OUTDOOR)	ELEVATOR CONTROL ROOM	ROOF TOP	MITSUBISHI	PUY-A12NHA3	12	208/1/60	13A	T-STAT	Y
A/C E-2	A/C EVAPORATOR (INDOOR)	SERVER ROOM	4TH FLR SERVER ROOM	MITSUBISHI	PKA-A36KA	34.2	208/1/60	1A	T-STAT	Y
A/C C-2	A/C CONDENSER (OUTDOOR)	SERVER ROOM	ROOF TOP	MITSUBISHI	PUY-A36NHA3	34.2	208/1/60	25 A	T-STAT	Y
A/C E-3	A/C EVAPORATOR (INDOOR)	SERVER ROOM	4TH FLR SERVER ROOM	MITSUBISHI	PKA-A36KA	34.2	208/1/60	1A	T-STAT	Y
A/C C-3	A/C CONDENSER (OUTDOOR)	SERVER ROOM	ROOF TOP	MITSUBISHI	PUY-A36NHA3	34.2	208/1/60	25 A	T-STAT	Y

INTERCEPTOR AND NEUTRALIZATION TANK SCHEDULE

TAG	DESCRIPTION	SERVICE	LOCATION	MANUFACTURER	MODEL #	LxWxH
SI	SEDIMENT INTERCEPTOR - 5 REQUIRED	TEST FACILITY SINKS	TEST FACILITY	WATTS	SI-740-M	11.5x11.5x13
NT	NEUTRALIZATION TANK - 1 REQUIRED	TEST FACILITY SINK	TEST FACILITY	ZURN	Z9A-NT-15	457DIAM.x381H
GI	GREASE INTERCEPTOR - 2 REQUIRED	KITCHEN SINKS	KITCHEN	WATTS	GI-110-A (10GPM)	18x12x14.5

JRP ENGINEERING
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No	DESCRIPTION	DATE
3	ISSUED FOR CONSTRUCTION 2	OCT 25 2016
2	ISSUED FOR CONSTRUCTION	OCT 7 2016
1	ISSUED FOR TENDER	SEPT 13 2016
0	ISSUED FOR BUILDING PERMIT	AUGUST 5 2016

REVISIONS

LICENSED PROFESSIONAL ENGINEER
2016-11-22
M.M.KARAKOLIS
100172617
PROVINCE OF ONTARIO

client:
TOMLINSON
5597 POWER RD
OTTAWA, ON
K1G 3N4

project:
TOMLINSON
NEW BUILDING
CITIGATE, OTTAWA

drawing title:
MECHANICAL
EQUIPMENT SCHEDULES

scale:	1:100	drawn by:	JST
designed by:	JST	reviewed by:	J.R.P.
approved by