

SILENCER SCHEDULE

TAG	LOCATION	SIZE WxH (mmxmm)	LENGTH (mm)	AIRFLOW (L/S)	AIR VELOCITY (M/S)	PRESSURE DROP (Pa)	DYNAMIC INSERTION LOSS								BASIS OF DESIGN	REMARKS
							63	125	250	500	1000	2000	4000	8000		
SIL-1	BAY 3	2200 x 800	3000	14150	8	50	17	21	26	36	25	18	16	13	KINETICS	RETURN
SIL-2	BAY 3	2200 x 800	3000	14150	8	50	17	21	26	36	25	18	16	13	KINETICS	RETURN
SIL-3	BAY 3	900 x 900	2400	3537	4	45	9	19	34	49	50	51	28	20	KINETICS	SUPPLY
SIL-4	BAY 3	1200 x 700	2400	3537	4	45	12	20	30	47	50	39	23	18	KINETICS	SUPPLY
SIL-5	BAY 3	1200 x 700	2400	3537	4	45	12	20	30	47	50	39	23	18	KINETICS	SUPPLY
SIL-6	BAY 3	1200 x 700	2400	3537	4	45	12	20	30	47	50	39	23	18	KINETICS	SUPPLY

NOTES: 1. SILENCER PERFORMANCE LISTED ABOVE IS TO FORM THE BASIS OF DESIGN AND SILENCER MANUFACTURER SHALL MEET OR EXCEED THIS EQUIPMENT SOUND POWER LEVELS.

AIR HANDLING UNIT SCHEDULE (AIR HANDLING UNITS SUPPLIED BY DEPARTMENTAL REPRESENTATIVE)

TAG	LOCATION	SUPPLY FAN			RETURN FAN			COOLING DATA (CHILLED WATER)			HEATING DATA (HOT WATER)		ELECTRICAL DATA		PHYSICAL DIMENSIONS WxLxH (mmxmmxmm)	WEIGHT (KG)	REMARKS
		CAPACITY (L/S)	EXTERNAL STATIC PRESSURE (Pa)	POWER (kW)	CAPACITY (L/S)	EXTERNAL STATIC PRESSURE (Pa)	POWER (kW)	NET COOLING CAPACITY (kW)	NET SENSIBLE COOLING CAPACITY (kW)	FLUID FLOW RATE (L/S)	CAPACITY (kW)	FLUID FLOW RATE (L/S)	V/Ø/Hz	FLA/MCA/MOP			
AHU-7	MECHANICAL ROOM M6	14158	438	22	14158	250	2x 12	372	261	16	262	5.7	575/3/60	-/-	3188x12754x2439	7652	UNIT C/W COOLING COIL, CONTRACTOR TO PROVIDE EXTERNAL BYPASS AS PART OF CONTRACT. REFER TO PLANS FOR DETAILS.
AHU-8	MECHANICAL ROOM M6	14158	438	22	14158	250	2x 12	372	261	16	262	5.7	575/3/60	-/-	3188x12754x2439	7652	UNIT C/W COOLING COIL, CONTRACTOR TO PROVIDE EXTERNAL BYPASS AS PART OF CONTRACT. REFER TO PLANS FOR DETAILS.

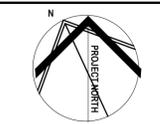
NOTES: 1. CHILLED WATER: EWT = 7.2°C, LWT = 12.7°C
2. HOT WATER: EWT = 82.2°C, LWT = 71.1°C

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
---	EXISTING PIPING/DUCTWORK/EQUIPMENT
---	EXISTING PIPING/DUCTWORK/EQUIPMENT TO BE REMOVED/RELOCATED
---	NEW/RELOCATED PIPING/DUCTWORK/EQUIPMENT
(E)	DENOTES EXISTING EQUIPMENT
(X)	DENOTES EXISTING EQUIPMENT TO BE REMOVED
(R)	DENOTES RELOCATED EQUIPMENT
(N)	DENOTES NEW EQUIPMENT
---	BELOW GRADE/SLAB PIPING
SA	SUPPLY AIR
RA	RETURN AIR
OA	OUTDOOR AIR
EA	EXHAUST AIR
DCW	DOMESTIC COLD WATER PIPING
SAN	SANITARY PIPING
ST	STORM PIPING
COND	CONDENSATE DRAIN PIPING
HWS	HEATING WATER SUPPLY PIPING
HWR	HEATING WATER RETURN PIPING
CHWS	CHILLED WATER SUPPLY PIPING
CHWR	CHILLED WATER RETURN PIPING
STEAM	STEAM PIPING
○	PIPING UP
∩	PIPING DOWN
⊥	PIPING OFFSET
⊥	BRANCH PIPING DOWN
⊕	FLOOR DRAIN
⊔	CAP
⊥	PIPE BREAK
⊥	HOSE BIBB
⊥	STRAINER
⊥	UNION
⊥	REDUCER
→	FLOW DIRECTION
⊥	RUNNING P-TRAP
⊥	BALL VALVE
⊥	ISOLATION VALVE
⊥	CHECK VALVE
⊥	CIRCUIT BALANCING VALVE (CBV)
⊥	PRESSURE REDUCING VALVE (PRV)
⊥	DRAIN VALVE
⊥	3-WAY CONTROL VALVE (DDC)
⊥	PUMP
⊥	THERMOMETER
⊥	PRESSURE GAUGE
⊥	AUTOMATIC AIR VENT C/W VALVE
⊥	RECTANGULAR DUCTWORK
⊥	ROUND DUCTWORK
⊥	ACOUSTICALLY LINED DUCTWORK
⊥	THERMALLY INSULATED DUCTWORK
⊥	RECTANGULAR DUCTWORK OFFSET
⊥	ROUND DUCTWORK OFFSET
⊥	DUCTWORK UP
⊥	DUCTWORK DOWN
⊥	DUCTWORK TRANSITION
⊥	RECTANGULAR TO ROUND DUCTWORK TRANSITION
⊥	TURNING VANES
⊥	FIRE DAMPER
⊥	BALANCING DAMPER
⊥	TEMPERATURE SENSOR
⊥	HUMIDITY SENSOR
⊥	PRESSURE SENSOR
⊥	LOW VOLTAGE CONTROL WIRING
⊥	ROOFTOP UNIT



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THE CONTRACTOR SHALL FOLLOW THE PLAN AND SPECIFICATIONS AS INDICATED. FAILURE TO DO SO WILL VOID ANY LIABILITY OF THE PROJECT ENGINEER.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL RELEVANT TO THE PROJECT. DO NOT SCALE DRAWINGS.

revisions	description	date
04	Issued for Tender	2022.08.07
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02	Re-issued for Review	2016.08.04
01	Issued for Review	2016.03.14



project
BAY 3 REFIT PROJECT
PROJECT ADDRESS

drawing
dessin
MECHANICAL LEGEND & SCHEDULES

Designed By	J.ALEXANDER	Conçu par
Date	(2021/08/17)	
Drawn By	R.CAMERON	Dessiné par
Date	(2021/08/17)	
Reviewed By	J.ALEXANDER	Examiné par
Date	(2021/08/17)	
Approved By	J.ALEXANDER	Approuvé par
Date	(2021/08/17)	
Tender	M. LACHOWICZ	Soumission
Project Manager	Administrateur de projets	
Project no.	No. du projet	
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