

DAVID FLORIDA LABORATORY

BUILDING No. 65, SHIRLEY'S BAY, ONTARIO

BAY 2 ANECHOIC CHAMBER

REFIT PROJECT

3701 CARLING AVENUE, OTTAWA, ONTARIO, K2H 8S2

MECHANICAL LEGEND

GENERAL

UP	UP
DN	DOWN
	INDICATION
	DIRECTION
	REVISION No.: 1
	ACCESSORIES IDENTIFICATION
	EQUIPMENT IDENTIFICATION
	PIPING DIAMETER
	PIPING DIAMETER
	EXISTING TO REMAIN
	DEMOLITION DRAWING
	EXISTING TO BE REMOVED
	EXISTING TO REMAIN
	NEW LAYOUT DRAWING
	NEW
EQUIPMENT TYPE	
AHU	AIR HANDLING UNIT
EC	ELECTRIC HEATING COIL
RTU	ROOF TOP UNIT

FIRE PROTECTION

	SUPERVISED GATE VALVE
	FLOW SWITCH
	UPRIGHT SPRINKLER, INSTALLED IN PENDENT OR WALL POSITION (SEE DRAWING)
	EXTENDED COVERAGE, UPRIGHT SPRINKLER, INSTALLED IN PENDANT OR WALL POSITION (SEE DRAWING)
	UPRIGHT SPRINKLER, INSTALLED IN WALL POSITION (SEE DRAWING)
	EXTENDED COVERAGE, UPRIGHT SPRINKLER, INSTALLED IN WALL POSITION (SEE DRAWING)
	PENDANT SPRINKLER
	UPRIGHT SPRINKLER, INSTALLED IN PENDENT POSITION (SEE DRAWING)
	EXTENDED COVERAGE, UPRIGHT SPRINKLER, INSTALLED IN PENDENT POSITION (SEE DRAWING)
	CONCEALED SPRINKLER
	SURFACE MOUNTED FIRE HOSE CABINET
	FIRE EXTINGUISHER, WALL MOUNTED
	FIRE DEPT. CONNECTIONS
	AUTOMATIC SPRINKLER PIPING
	STANDPIPE (FIRE LINE)

PLUMBING

	VENT
HEATING	
	HEATING WATER - SUPPLY
	HEATING WATER - RETURN
	GLYCOL - SUPPLY
	GLYCOL - RETURN
VALVES	
	GATE VALVE
	PRESSURE REDUCING VALVE
FITTINGS AND ACCESSORIES	
	BACKFLOW PREVENTER
	PIPE CONTINUATION
	END CAP
	PRESSURE GAUGE WITH GATE VALVE

VENTILATION AND AIR CONDITIONING

	SUPPLY DUCT / UP
	SUPPLY DUCT / DN
	RETURN OR EXHAUST DUCT / UP
	RETURN OR EXHAUST DUCT / DN
	FLEXIBLE DUCT
	BALANCING DAMPER
	FIRE DAMPER
	ELECTRIC COIL
	SQUARE DUCT SIZE (FIRST NUMBER IS THE VISIBLE SIDE)
	ROUND DUCT SIZE
	OVAL DUCT SIZE (FIRST NUMBER IS THE VISIBLE SIDE)
	LINEAR DIFFUSER
	AIR DIFFUSER
	RETURN GRILLE
	AIR FLOW
GRILLE AND DIFFUSER IDENTIFICATION	
	GRILLE OR DIFFUSER MODEL (SEE GRILLE & DIFFUSER SCHEDULE)
	SAME TYPE OF ACCESSORIES IDENTIFIED BY SAME IDENTIFICATION
	AIR FLOW RATE
	DUCT DIMENSION
	GRILLE OR DIFFUSER MODEL (SEE GRILLE & DIFFUSER SCHEDULE)
	SAME TYPE OF ACCESSORIES IDENTIFIED BY SAME IDENTIFICATION
	AIR FLOW RATE

CONTROLS

	ELECTRICAL CABLE
	FLOW DIRECTION
	INPUT / OUTPUT IDENTIFICATION
	HUMIDITY TRANSMITTER
	TEMPERATURE TRANSMITTER
	HIGH TEMPERATURE TRANSMITTER
	HIGH TEMPERATURE LIMIT SWITCH
	LOW TEMPERATURE LIMIT SWITCH
	SMOKE DETECTOR SWITCH
	ELECTRONIC PRESSURE DIFFERENTIAL TRANSMITTER
	FAN
	ELECTRIC HUMIDIFIER
	FILTER
	COOLING COIL
	HEATING COIL
	OPPOSED BLADE DAMPER
	ELECTRONIC ACTUATOR - MODULATING
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
CONTROL POINT TYPE	

EXAMPLE:

	AI
	DI
	AO
	DO

AI	ANALOG INPUT
DI	DIGITAL INPUT
AO	ANALOG OUTPUT
DO	DIGITAL OUTPUT

Public Works and Government Services Canada

Canadian Space Agency

PAGEAU MOREL
www.pageaumorel.com
Gatineau 7405-000-W0

Cleland Jardine Engineering Limited
580 TERRY FOX DRIVE, SUITE 200
KANATA, ONTARIO, K2L 4B9
TEL: (613) 561-1533 FAX: (613) 561-1703
EMAIL: mail@clelandjardine.com

COLE+Associates
ARCHITECTS INC.

1	ADDENDUM No. 02	2017.03.24
0	ISSUED FOR TENDER	2017.01.05

No.	Revision	Date
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PROFESSIONAL STAMP

A	A detail no. no. du détail	A
C	B location drawing no. sur dessin no.	B
	C drawing no. dessin no.	C

project projet
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drawing dessin
MECHANICAL
COVER PAGE &
LEGEND

designed	Z. FETTAKA	conçu
date drawn	D. VÉZINA, M. FRENETTE	dessiné
date reviewed	F. DIONNE	examiné
date approved	F. DIONNE	approuvé
date scale		

project no. CSA15-G6
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M-001