

# 6TH FLOOR 15 EDDY MECHANICAL SERVICES LES TERRASSES DE LA CHAUDIERE

15 EDDY ST, GATINEAU, QUEBEC



Public Works and  
Government Services  
Canada

Travaux publics et services  
gouvernementaux  
Canada

Canada

Public Works and  
Government Services  
Canada  
Real Property  
Branch

Travaux publics et  
services gouvernementaux  
Canada  
C  t   des biens immobiliers



Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

revisions	description	date

A	A
C	B C

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

project projet

**6TH FLOOR EDDY  
MECHANICAL SERVICES**

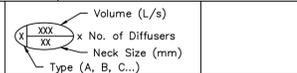
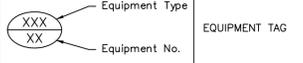
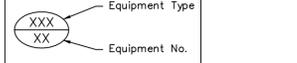
15 EDDY STREET  
GATINEAU, QC

drawing dessin

**MECHANICAL  
DRAWING LIST &  
LEGEND**

Designed By	P. SEGUIN	��t�� des biens immobiliers
Date	(2013/03/31)	
Drawn By	G. HEBB	��t�� des biens immobiliers
Date	(2013/03/31)	
Reviewed By	P. SEGUIN	��t�� des biens immobiliers
Date	(2013/07/18)	
Approved By	LAN CHI NGUYEN WEEKES	��t�� des biens immobiliers
Date	(2013/07/18)	
Tender	Submission	
Project Manager	Administrateur de projets	
Project no.	No. du projet	
	<b>R.059180.005</b>	
Drawing no.	No. du dessin	
	<b>M-1</b>	

PIPING	
SYMBOL	DESCRIPTION
—CHWS—	CHILLED WATER SUPPLY
—CHWR—	CHILLED WATER RETURN
— C —	CONDENSATE DRAIN
— — — —	EXISTING SERVICE TO BE REMOVED
—+—+—+—	PIPE DROP
—+—+—+—	PIPE RISER
—+—+—+—	STRAINER
—+—+—+—	GATE VALVE
—+—+—+—	GLOBE VALVE
—+—+—+—	PLUG VALVE
—+—+—+—	CHECK VALVE
—+—+—+—	PRESSURE REDUCING VALVE
—+—+—+—	BUTTERFLY VALVE
—+—+—+—	BALL VALVE
—+—+—+—	2-WAY MODULATING CONTROL VALVE (PNEUMATIC)
—+—+—+—	3-WAY MODULATING CONTROL VALVE (PNEUMATIC)
—+—+—+—	BACK FLOW PREVENTER
—+—+—+—	SOLENOID VALVE
—+—+—+—	FLOOR DRAIN
—+—+—+—	FUNNEL FLOOR DRAIN
—+—+—+—	HUB DRAIN
—+—+—+—	END CAP
—+—+—+—	REDUCER
—+—+—+—	UNION
—+—+—+—	RUNNING TRAP
—+—+—+—	PRESSURE GAUGE
—+—+—+—	THERMOMETER
—+—+—+—	CIRCUIT BALANCING VALVE
—+—+—+—	PIPE ANCHOR
—+—+—+—	PIPE LINE GUIDE
—+—+—+—	EXPANSION JOINT
—+—+—+—	EXPANSION LOOP
—+—+—+—	FLEXIBLE CONNECTION

HVAC		
SYMBOL	DESCRIPTION	
—+—+—+—	SUPPLY AIR DUCT	
—+—+—+—	RETURN AIR DUCT	
—+—+—+—	ROUND SUPPLY AIR DUCT	
—+—+—+—	ROUND RETURN AIR DUCT	
—+—+—+—	SUPPLY AIR DUCT	
—+—+—+—	FLEXIBLE DUCT	
—+—+—+—	CAPPED DUCT	
—+—+—+—	REDUCER	
—+—+—+—	ACOUSTIC LINING	
—+—+—+—	EXISTING AIR VALVE	
—+—+—+—	EXISTING AIR VALVE W/REHEAT	
—+—+—+—	VAV W/ ATTENUATOR	
—+—+—+—	VAV W/ ATTENUATOR REHEAT	
—+—+—+—	LINEAR DIFFUSER	
—+—+—+—	RETURN SLOT IN T-BAR CEILING	
—+—+—+—	BALANCING DAMPER	
—+—+—+—	MOTORIZED DAMPER (PNEUMATIC)	
—+—+—+—	FIRE DAMPER (CURTAIN TYPE)	
	DIFFUSER TYPE	
	EQUIPMENT TAG	

CONTROLS	
SYMBOL	DESCRIPTION
—+—+—+—	TEMPERATURE SENSOR (BAS)
—+—+—+—	CARBON DIOXIDE SENSOR
—+—+—+—	CONTROL WIRING / TUBING
—+—+—+—	THERMOSTAT (PNEUMATIC) IN CEILING - COOLING
—+—+—+—	THERMOSTAT (PNEUMATIC) IN CEILING - HEATING
—+—+—+—	THERMOSTAT (ELECTRIC)

DRAWING LIST	
DRAWING NO.	TITLE
M-1	Mechanical Drawing List & Legend
M-2	Mechanical Key Plan, Piping Mains & Duct Mains
M-3	Mechanical Key Plan, Piping Mains & Duct Mains
M-4	Mechanical HVAC Part Plans
M-5	Mechanical HVAC Part Plans
M-6	Mechanical HVAC Part Plans
M-7	Mechanical Details
M-8	Mechanical Schedules & Details

FIRE PROTECTION	
SYMBOL	DESCRIPTION
—+—+—+—	SPRINKLER MAIN LINE
—+—+—+—	SPRINKLER HEAD UPRIGHT
—+—+—+—	SPRINKLER HEAD PENDANT
—+—+—+—	CONCEALED SPRINKLER HEAD
—+—+—+—	FIRE HOSE CABINET
—+—+—+—	SIDE WALL SPRINKLER HEAD
—+—+—+—	SUPERVISED VALVE
—+—+—+—	FLOW SWITCH

COMMON ABBREVIATION	
SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
TYP	TYPICAL
EF	EXHAUST FAN
L/S	LITRES PER SECOND
FFL	FINISHED FLOOR LEVEL
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRC
NPS	NOMINAL PIPE SIZE
N.I.C	NOT IN CONTRACT
N.C	NORMALLY CLOSED
N.O.	NORMALLY OPEN
TBD	TO BE DETERMINED
FFD	FUNNEL FLOOR DRAIN
FD	FLOOR DRAIN
FC	FAN COIL
R	RELOCATE
EAT	ENTERING AIR TEMPERATURE
LAT	LEAVING AIR TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
R/A	RETURN AIR
S/A	SUPPLY AIR
T/A	TRANSFER AIR

**DRAWING NOTES - GENERAL**

- Contractor to remove and reinstall electrical light fixtures where required to allow mechanical installation. Coordinate with Division 26.
- Contractor to clip existing loose BX to underside of slab to avoid contact with new equipment and services.
- Piping and ductwork to be as high as possible, all locations.
- Existing VAV box pneumatic thermostats are located in a ceiling return air slot. Relocated pneumatic thermostats are to follow this convention.
- All piping and ductwork in mechanical rooms to be installed as high as possible.
- All supply air ducts to be insulated unless acoustically lined.