

Public Works and Government Services
Travaux Publics et Services gouvernementaux
Canada

MCA CONSULTANTS

ENGINEERS - PROJECT MANAGEMENT

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LEGEND

EXISTING DUCTWORK TO BE REMOVED

EXISTING DUCTWORK TO REMAIN

NEW DUCTWORK

SUPPLY DIFFUSER TO BE REMOVED

SUPPLY DIFFUSER TO REMAIN

NEW SUPPLY DIFFUSER

RETURN GRILLE TO BE REMOVED

RETURN GRILLE TO REMAIN

NEW RETURN GRILLE

EXISTING COOLING TSTAT TO BE REMOVED

EXISTING TSTAT TO REMAIN

NEW LOW VOLTAGE ZONE CONTROLLER

NEW LOW VOLTAGE PRINCIPAL CONTROLLER

INMD INTELLIGENT MOTORIZED DISC DAMPER

SIZE OF GRILLE OR DIFFUSER

TYPE OF GRILLE OR DIFFUSER

EXISTING SUPPLY (S) - EXISTING RETURN (R)

200A

200

100

AIR FLOW (L/S)

PROFESSIONAL ENGINEER

REGISTERED IN THE PROVINCE OF QUEBEC

Christine E. Poirson

1758

03/21/17

PROVINCE OF QUEBEC

revisions

project

date

ARDGOWAN NATIONAL HISTORIC SITE HVAC UPGRADE CHARLOTTETOWN, PEI QUEEN'S CO., PE

design

designed CP

drawn SM

date MARCH 29, 2017

approved JDM

date MARCH 29, 2017

conçu

dessiné

approuvé

date MARCH 29, 2017

Submitted

by

for

Project Manager

Project number

no. du projet

drawing no.

no. du dessin

R.080258.002

H7 of 7

E-BRW/600-E: 548599

NOTE:
USE #10x19mm SELF TAPPING CADMIUM ANCHORS TO FASTEN ALL STRAPS AGAINST DUCT AND SUPPORT MEMBERS. (TYP.)

FLEX DUCT WITH SPIN-IN FITTING DETAIL

SCALE : N.T.S.

4 H7 | H7

DUCT HANGER DETAIL

SCALE : N.T.S.

3 H7 | H7

NOTE:
UNLESS OTHERWISE INDICATED ON PLANS, MAX. ANGLES SHOWN SHALL APPLY.

DUCT TRANSITION DETAIL

SCALE : N.T.S.

2 H7 | H7

DUCT TAKE OFF DETAIL

SCALE : N.T.S.

1 H7 | H7

ERV-1&2 DUCT CONNECTION AND CONTROL SCHEMATIC

SCALE : N.T.S.

6 H7 | H7

NOTES:

- ALL VANED ELBOWS SHALL BE DETAIL AS SHOWN, INSTALLED AS DETAILED BY SMACNA.
- WHEN W1 DOES NOT EQUAL W2, VANES SHALL BE SINGLE VANE TYPE.
- ALL SINGLE VANES SHALL HAVE A 50 mm RADIUS, 25 mm MAX. SPACE BETWEEN VANES AND A 19 mm TRAILING EDGE.
- WHEN W1 EQUALS W1 AND W2 IS 150 mm OR MORE, VANES SHALL BE DOUBLE VANE TYPE.

SQUARE VANED ELBOWS

SCALE : N.T.S.

5 H7 | H7

TYPICAL ZONE CONTROL SCHEMATIC

SCALE : N.T.S.

7 H7 | H7

PWSSC A1 (2004)