

KEY PLAN



**APEGM**  
Certificate of Authorization  
HDK Consulting Incorporated  
No. 5539 Date: 04/30/2016

**DO NOT SCALE DRAWINGS**

Revision/	Description/Description	Date/Date
3	ISSUED FOR CONSTRUCTION	15/11/20
2	100% CD SUBMISSION	15/10/29
1	99% CD SUBMISSION	15/09/28
0	50% CD SUBMISSION	15/08/14

**CANADA SCHOOL OF PUBLIC SERVICES (CSPS)**

Winnipeg  
Manitoba

Project title/Titre du projet  
**STANLEY KNOWLES BUILDING  
2ND FLOOR - 391 YORK AVENUE  
WINNIPEG, MANITOBA**

**CSPS WINNIPEG FIT-UP**

Approved by/Approve par  
DAVID HO

Designed by/Concept par  
ROBIN ROOUE

Drawn by/Dessine par  
IVY SANTOS

PWGSC Project Manager/Administrateur de Projets TPSCG  
JOHN ALBIN

PWGSC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'Ingénierie, TPSCG

Client/client  
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Drawing title/Titre du dessin

**ROOF MECHANICAL LAYOUT  
AND DETAILS**

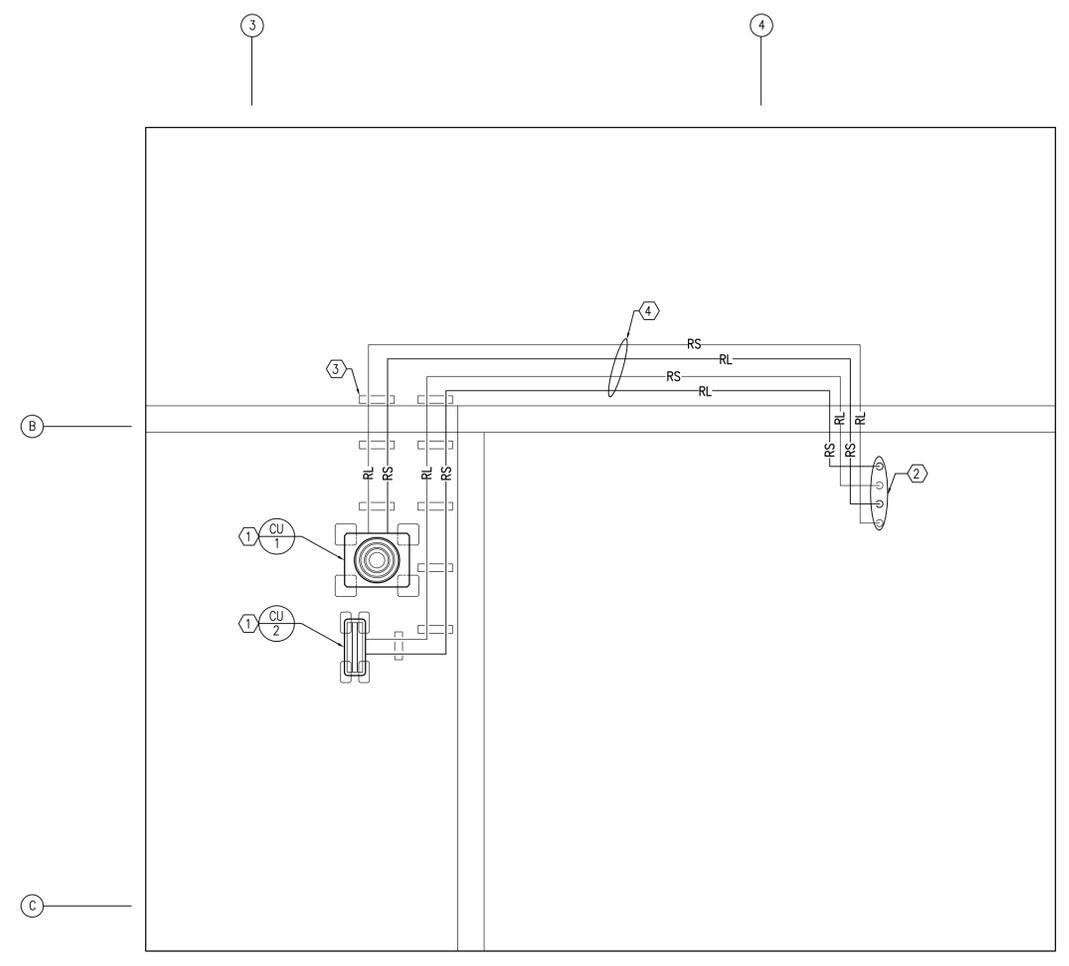
Project No./No. du projet  
**R.060508.003**

Sheet/Fauille  
**M4**  
OF 5

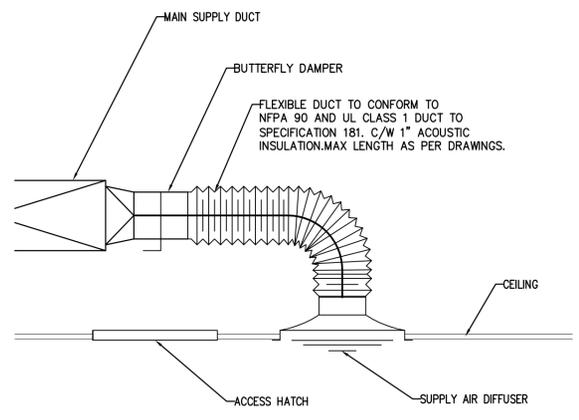
Revision no./  
La Révision  
no.  
**3**

**DRAWING KEYNOTES:**

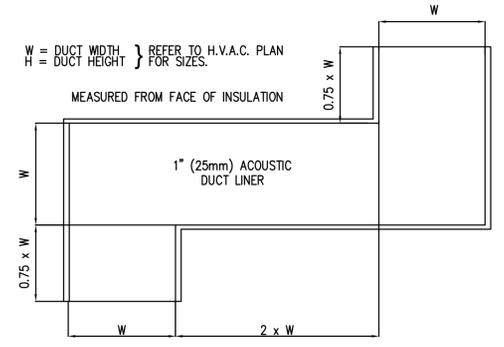
- ENGINEERED EQUIPMENT AND SERVICE SUPPORT SYSTEM. NON-PENETRATING WITH RUBBER BASE AND UNI-STRUT CHANNELS. ENGINEERED SYSTEM FROM MANUFACTURER.
- LIQUID AND REFRIGERANT PIPES DOWN TO SECOND FLOOR THROUGH MECHANICAL SHAFT. REFER TO DRAWING 5/M4 FOR PIPE SIZES.
- RUBBER SUPPORT WITH INTEGRAL UNISTRUT. TYPICAL.
- SUPPORT PIPING ALONG WALL WITH UNISTRUT. COORDINATE PENETRATION THROUGH WALL WITH OTHER EQUIPMENT AND SERVICES.



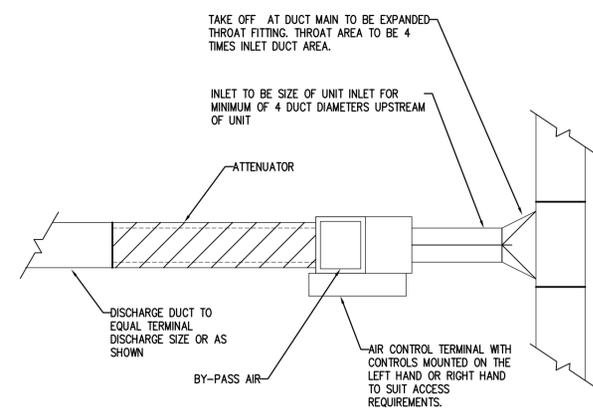
**1 ROOF MECHANICAL LAYOUT**  
M4 1:50



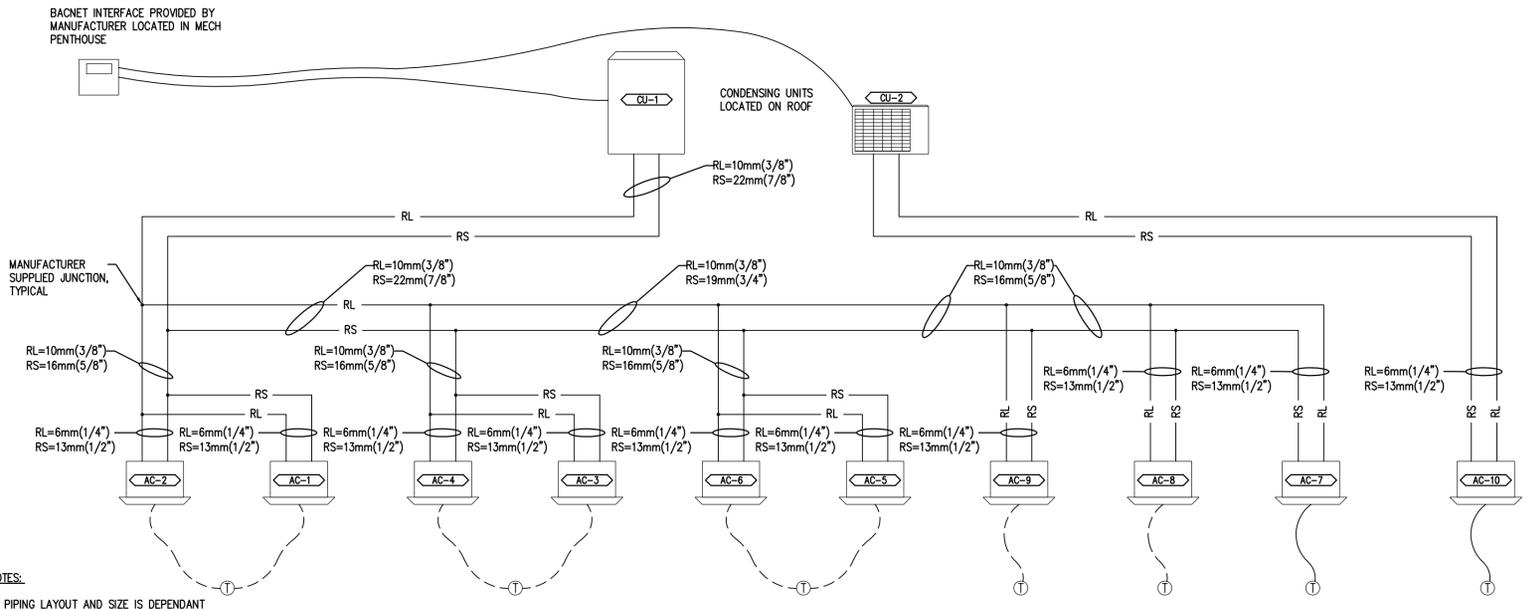
**3 CEILING DIFFUSER DETAIL**  
M4 NTS



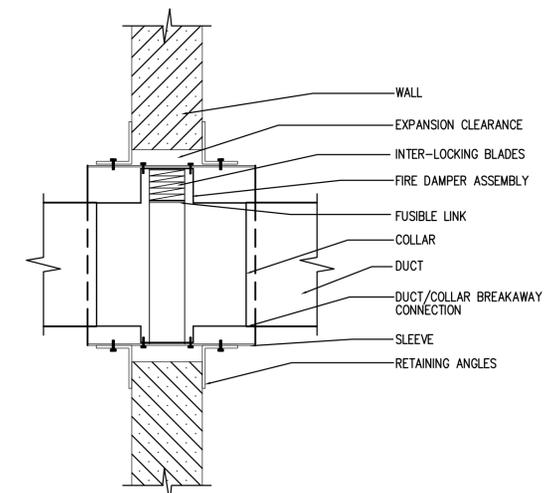
**2 TRANSFER AIR DUCT DETAIL**  
M4 NTS



**4 VARIABLE AIR VOLUME (VAV) DETAIL**  
M4 NTS



**5 CONTROL SCHEMATIC**  
M4 NTS



**NOTES**  
FIRE DAMPER TO BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION.  
DUCT/COLLAR BREAKAWAY CONNECTION TO BE APPROVED.

**6 FIRE DAMPER DETAIL**  
M4 NTS

- NOTES:**
- PIPING LAYOUT AND SIZE IS DEPENDANT ON MANUFACTURER. CONTRACTOR TO REVISE PIPING AT NOT ADDITIONAL COST TO SUIT CHOSEN MANUFACTURER.
  - CONTRACTOR SHALL VERIFY THE PIPE SIZES WITH EQUIPMENT MANUFACTURER.

