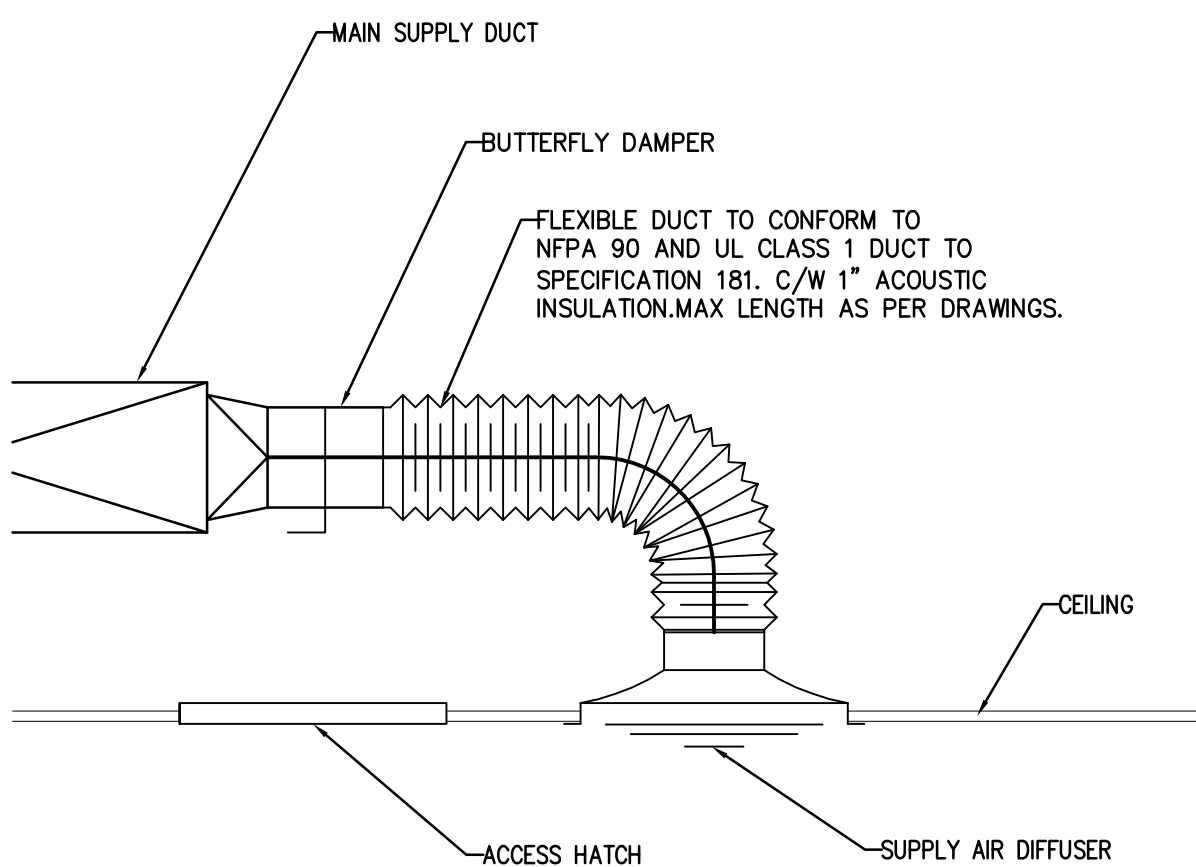


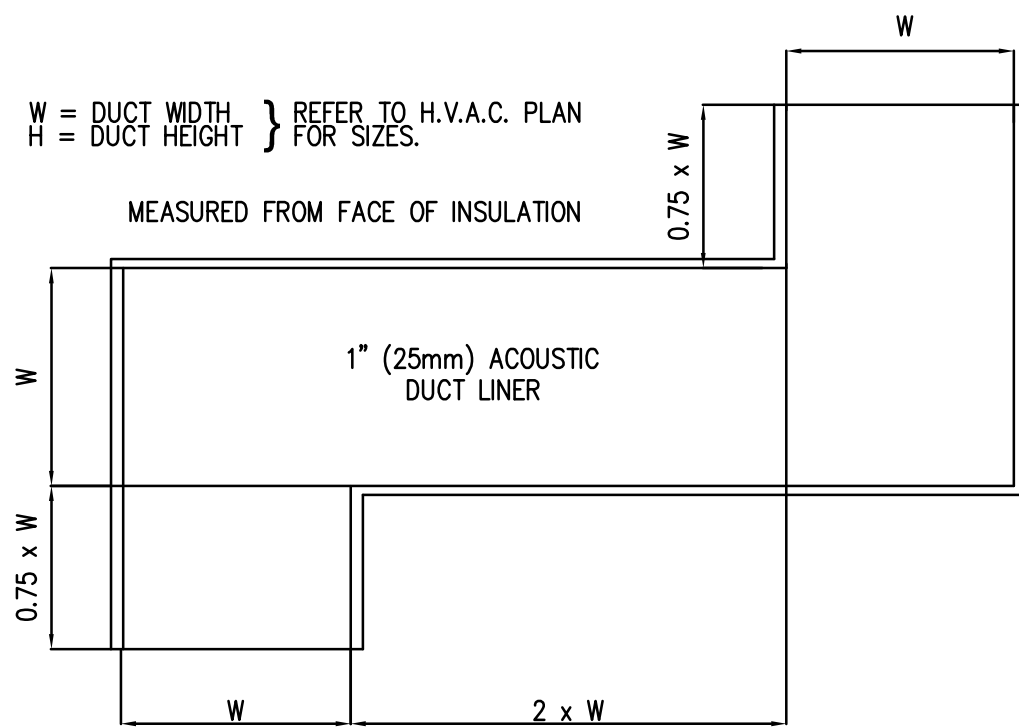
1 ROOF MECHANICAL LAYOUT  
M4 1:50

#### DRAWING KEYNOTES:

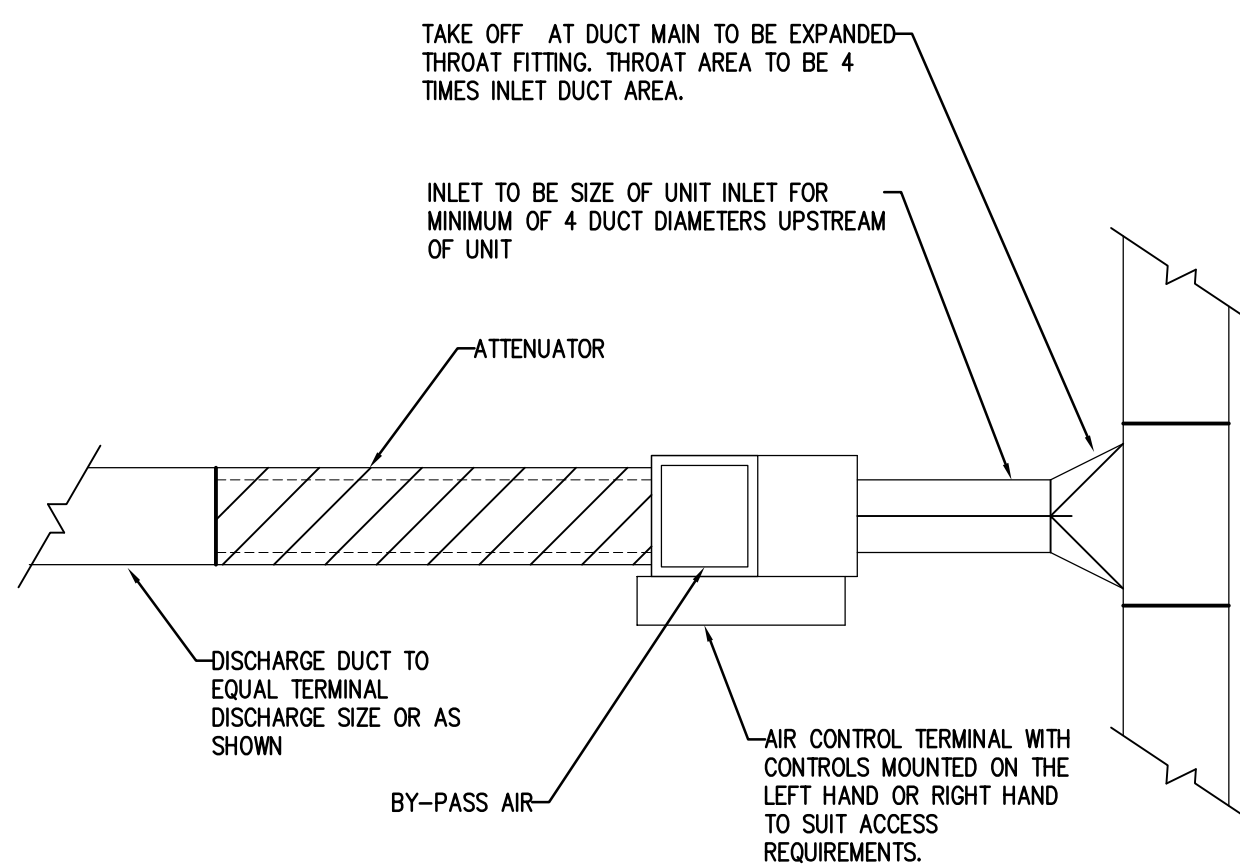
- ENGINEERED EQUIPMENT AND SERVICE SUPPORT SYSTEM. NON-PENETRATING WITH RUBBER BASE AND UNI-STRUT CHANNELS. ENGINEERED SYSTEM FROM MANUFACTURER.
- LIQUID AND REFRIGERANT PIPES DOWN TO SECOND FLOOR THROUGH MECHANICAL SHAFT. REFER TO DRAWING 5/M4 FOR PIPE SIZES.
- RUBBER SUPPORT WITH INTEGRAL UNISTRUT.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



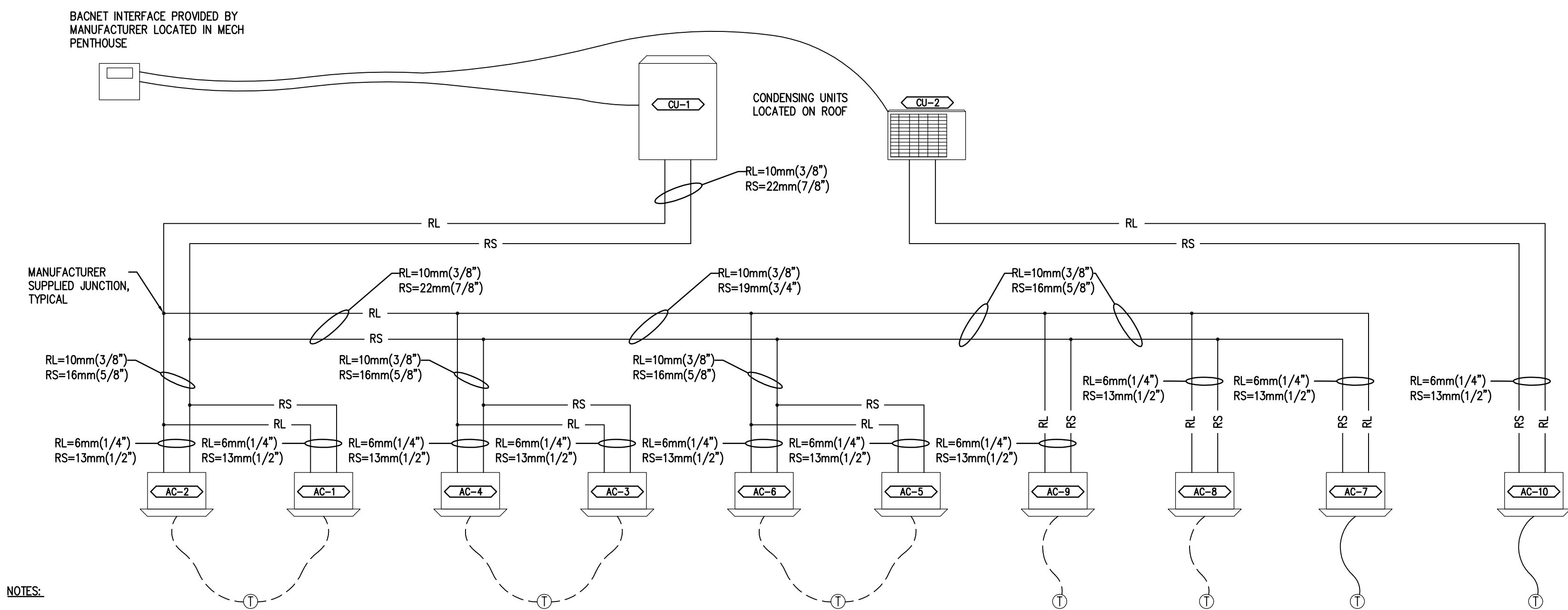
3 CEILING DIFFUSER DETAIL  
M4 NTS



2 TRANSFER AIR DUCT DETAIL  
M4 NTS



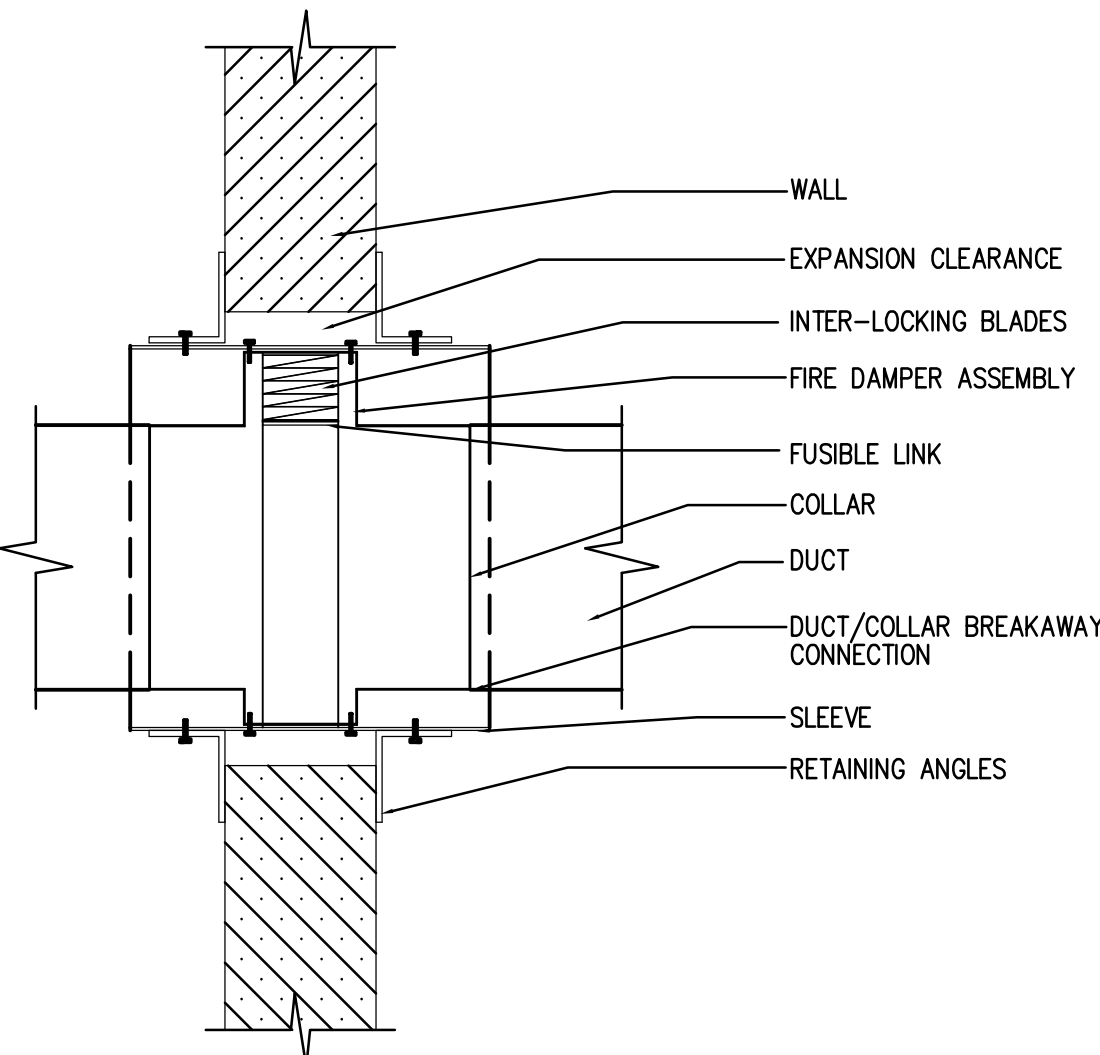
4 VARIABLE AIR VOLUME (VAV) DETAIL  
M4 NTS



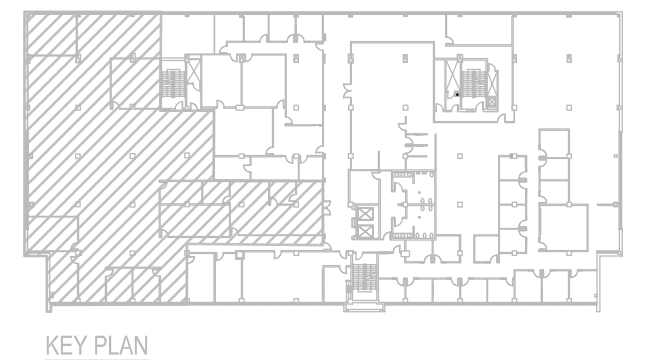
5 CONTROL SCHEMATIC  
M4 NTS

- NOTES:
- 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.

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



6 FIRE DAMPER DETAIL  
M4 NTS



#### DO NOT SCALE DRAWINGS

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

Client/client

#### 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/Approuvé par  
DAVID HO

Designed by/Concept par  
ROBIN ROQUE

Drawn by/Dessiné 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

