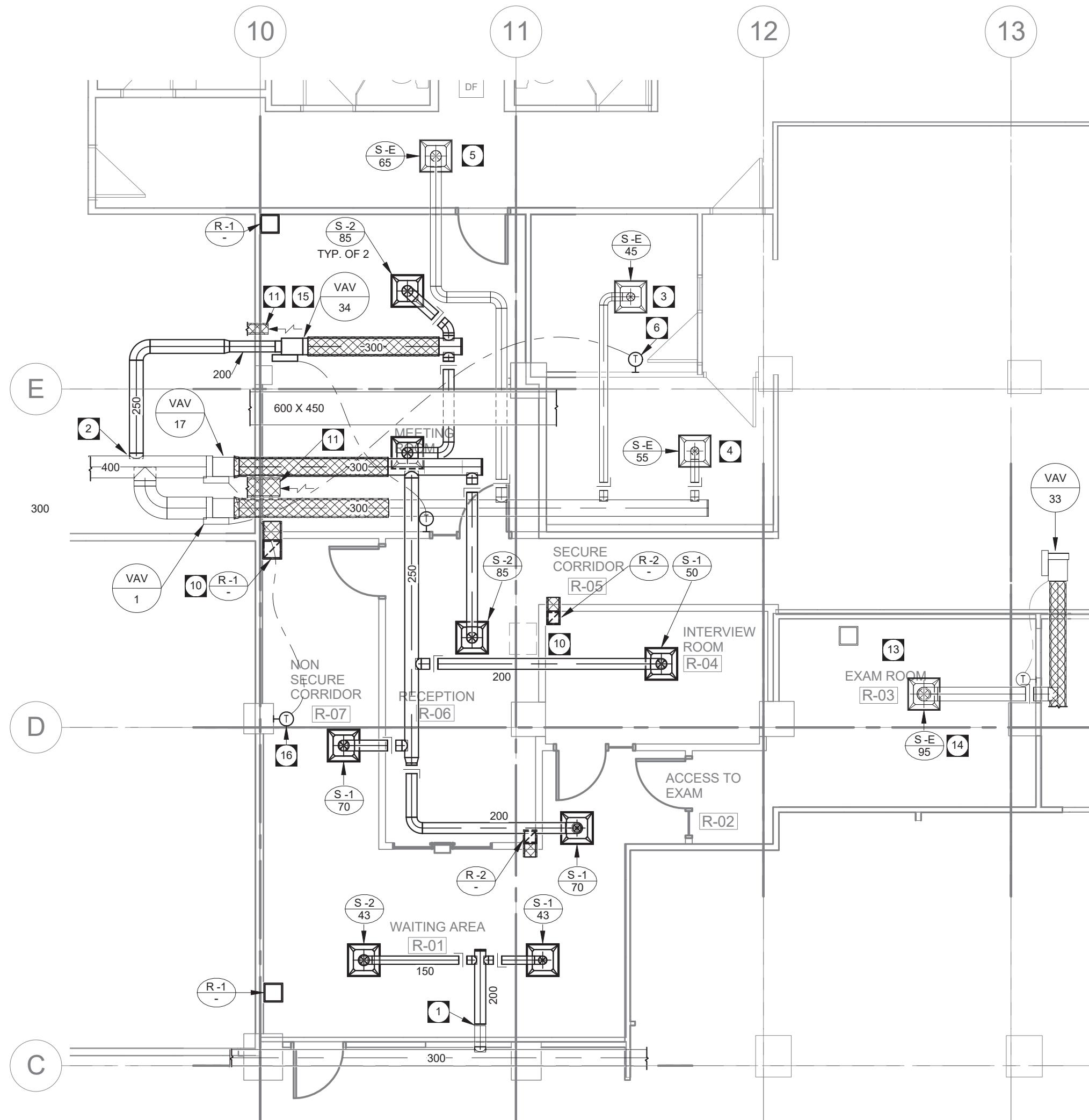


1 MAIN FLOOR PARTIAL PLAN - HVAC DEMOLITION
MH2.1 SCALE: 1 : 75



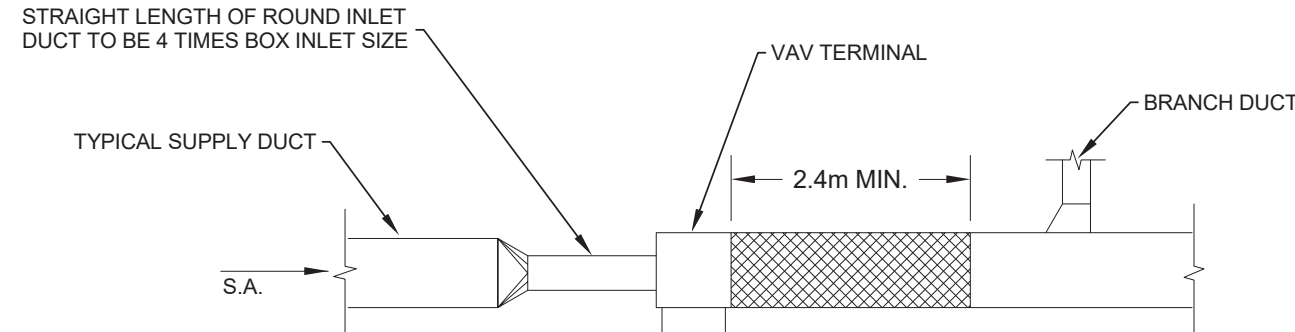
2 MAIN FLOOR PARTIAL PLAN - HVAC RENOVATION
MH2.1 SCALE: 1 : 75

HVAC GENERAL NOTES

- A. DUCT TRANSITIONS MAY NOT BE SHOWN IN DETAIL ON PLAN. REFER TO DETAILS SHEETS AND SMACNA - HVAC DUCT CONSTRUCTION STANDARDS FOR REQUIRED DUCT TRANSITIONS AND FITTINGS. ALL DUCT TAPS TO BRANCH DUCTS SHALL HAVE 45 DEGREE ENTRY FITTINGS.
- B. ALL DUCTWORK SHALL BE SEALED AND INSULATED ACCORDING TO THE MECHANICAL SPECIFICATIONS.
- C. COORDINATE FINAL THERMOSTAT INSTALLATION HEIGHT AND DISTANCE FROM DOOR WITH DEPARTMENTAL REPRESENTATIVE.
- D. DUCT INSULATION MATERIALS SHALL MEET SMOKE AND FLAME SPREAD REQUIREMENTS FOR PLENUM INSULATION.
- E. DUCT INSULATION SHALL FOLLOW THE SCHEDULES IN THE SPECIFICATION AS A MINIMUM REQUIREMENT. THESE REQUIREMENTS SHALL APPLY REGARDLESS OF WHETHER OR NOT DUCT INSULATION IS SHOWN ON THE DRAWINGS.
- F. WHERE DUCT INSULATION IS SHOWN ON THE DRAWINGS (EITHER WITH THE HATCHING CONVENTION OR BY MEANS OF A KEY NOTE) AND EXCEEDS THE REQUIREMENTS OF THE SCHEDULES IN THE SPECIFICATION, THE ADDITIONAL INSULATION REQUIREMENTS SHALL BE MET.
- G. INSTALL BALANCE DAMPERS AS FAR AWAY FROM GRILLES OR DIFFUSERS SERVED AS PRACTICALLY POSSIBLE.
- H. INSTALL ALL BALANCE DAMPERS IN AN EASILY ACCESSIBLE LOCATION.
- I. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF GRILLES AND DIFFUSERS.

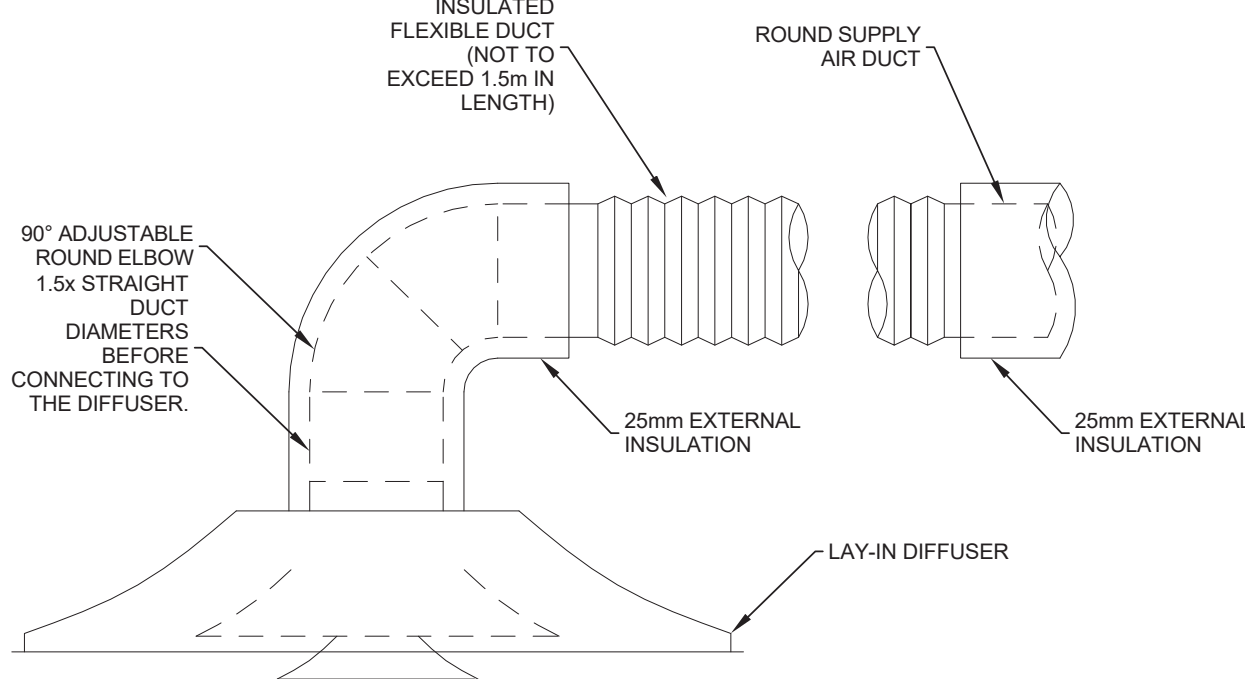
DEMOLITION & RENOVATION KEY NOTES

1. CONNECT NEW SUPPLY AIR DUCT TO EXISTING SUPPLY AIR DUCT.
2. CONNECT NEW BRANCH DUCT TO EXISTING 400 MM MAIN TO SERVE NEW VAV.
3. BALANCE EXISTING SUPPLY AIR DIFFUSER TO 45 L/S.
4. BALANCE EXISTING SUPPLY AIR DIFFUSER TO 55 L/S.
5. BALANCE EXISTING SUPPLY AIR DIFFUSER TO 65 L/S.
6. INSTALL NEW THERMOSTAT SERVING VAV-1.
7. EXISTING MAIN DUCT TO REMAIN.
8. EXISTING VAV BOXES TO REMAIN.
9. EXISTING SUPPLY AIR DIFFUSERS AND BRANCH DUCTS SERVING DIFFUSERS TO REMAIN.
10. EGG CRATE RETURN GRILLE COMPLETE WITH ACOUSTIC ELBOW.
11. REUSE EXISTING RETURN AIR DUCT OPENING IN WALL.
12. DEMOLISH EXISTING HORIZONTAL RETURN AIR DUCT IN WALL.
13. DEMOLISH VERTICAL DUCT AND EGG CRATE GRILLE.
14. EXISTING DIFFUSER AND GRILLE TO REMAIN.
15. BALANCE EXISTING SUPPLY AIR DIFFUSER TO 95 L/S.
16. NEW VAV-34 COMPLETE WITH NEW THERMOSTAT. VAV BOX SHALL BE TIED BACK TO EXISTING WALKER DDC SYSTEM. CONTRACTOR TO CONFIRM WITH DEPARTMENTAL REPRESENTATIVE ON CONDITION OF EXISTING WALKER DDC SYSTEM PRIOR TO COMMENCEMENT OF WORK.
17. INSTALL NEW THERMOSTAT SERVING VAV-17.
18. DEMOLISH THERMOSTAT AND CONTROL WIRE.

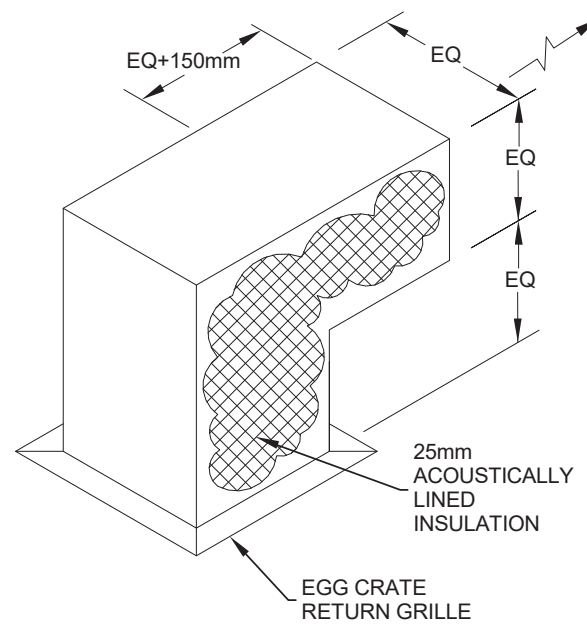


3 VAV DETAIL
MH2.1 SCALE: NTS

NOTE: FLEX DUCT SHALL NOT BE USED IN ELBOWS



4 SQUARE DIFFUSER INSTALLATION DETAIL
MH2.1 SCALE: NTS



5 ACOUSTIC ELBOW DETAIL
MH2.1 SCALE: NTS

DIFFUSER & GRILLES SCHEDULE		
MARK	SIZE	NOTES
S 1	150/600X600 SQUARE CONE DIFFUSER	1
S 2	200/600X600 SQUARE CONE DIFFUSER	1
R 1	300X300 EGG CRATE RETURN GRILLE	2
R 2	200X200 EGG CRATE RETURN GRILLE	2

1. REFER TO DETAIL 4/MH2.1.
2. REFER TO DETAIL 5/MH2.1.

HVAC LEGEND

	MANUAL BALANCING DAMPER
	ACOUSTIC INSULATION
	DIFFUSER TAG / GRILLE TAG
	EQUIPMENT TAG
	KEY NOTE
	THERMOSTAT - LOW VOLTAGE



Revision	Description	Date
O	ISSUED FOR CONSTRUCTION	16/10/05

Client client

VETERANS AFFAIRS CANADA

Project title Projet
BRANDON FEDERAL BUILDING
MAIN FLOOR -1039 PRINCESS AVENUE

VAC BRANDON FIT-UP

Designed by Conçu par
GC
Drawn by Dessiné par
GC
Approved by Approuvé par
DS
PWGSC Project Manager Administrateur de Projets TPSGC
APRIL REID
Drawing title Titre du dessin

MAIN FLOOR - HVAC PLAN & DETAILS

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.080396.009	MH2.1	O