

**BASEMENT FLOOR PLAN - EXISTING**

SCALE 1:100

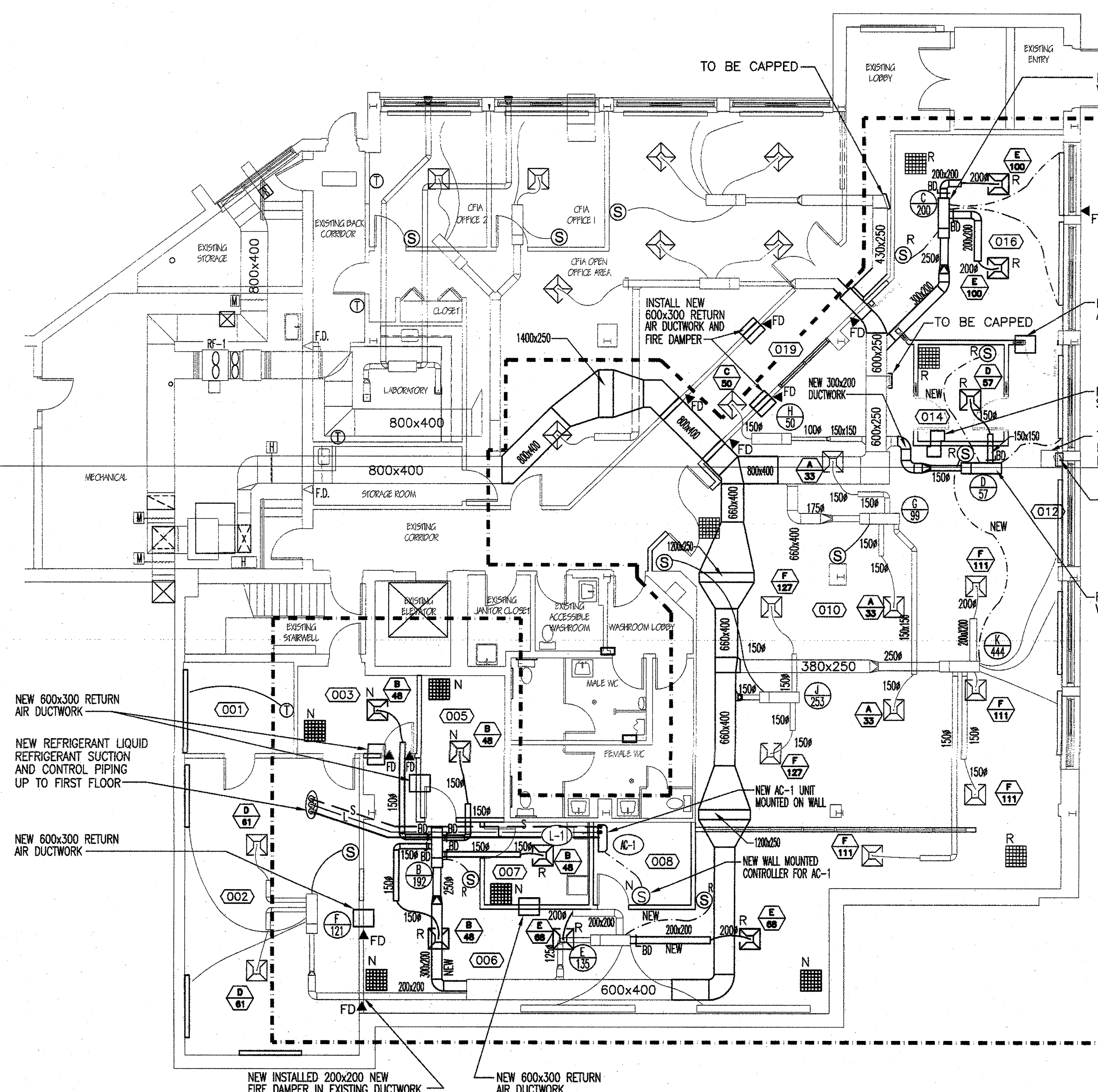
**NOTES:**

- DUCTWORK SHOWN IN DASHED LINES MAY BE REMOVED, RELOCATED AND RE-USED.
- RECONFIGURE ZONING AND CONTROL OF EXISTING ELECTRIC PERIMETER HEATERS TO MATCH NEW COOLING ZONING AND AS SHOWN IN THESE DRAWINGS AND AS SPECIFIED.
- RE-USE ALL SUITABLE FITTINGS.

**NOTE:**  
CAREFULLY REMOVE AND STORE VAV BOXES, SENSORS, CONTROLS, DUCTWORK, DIFFUSERS AND GRILLES ETC. FOR RE-USE. ELEMENTS DAMAGED DURING DEMOLITION OR STORAGE WILL BE REPLACED WITH NEW MATERIALS AT NO EXPENSE TO THE DEPARTMENTAL REPRESENTATIVE.

**SUPPLY GRILLE SCHEDULE**

SYMBOL	CAP. L/S	SIZE	NECK SIZE	NC LEVEL	APPLICATION	REMARKS
	33	600x600 C/W 300x300 PANEL DIFF.	100	<20	E.H. PRICE SCD	C/W OBD
	48	600x600 C/W 300x300 PANEL DIFF.	150	<20	E.H. PRICE SCD	C/W OBD
	50	600x600 C/W 300x300 PANEL DIFF.	200	<20	E.H. PRICE SCD	C/W OBD
	57-61	600x600 C/W 300x300 PANEL DIFF.	150	<20	E.H. PRICE SCD	C/W OBD
	68-100	600x600	200	<20	E.H. PRICE SCD	C/W OBD
	111-127	600x600	150-200	<20	E.H. PRICE SCD	C/W OBD



**BASEMENT FLOOR PLAN - NEW**

SCALE 1:100

**VAV BOX SCHEDULE - BASEMENT**

BOX NO.	SIZE	AIR FLOW L/S MIN.	AIR FLOW L/S MAX.	STANDARD OF ACCEPTANCE	REMARKS
	100	31	89	E.H. PRICE SEV. 8000	REMOVE BOX RE-USE CONTROLS FROM EXISTING BOXES WHERE POSSIBLE
	250	85	192	E.H. PRICE SEV. 8000	RELOCATE AND RE-USE CONTROLS FROM EXISTING BOX WHERE POSSIBLE
	250	85	200	E.H. PRICE SEV. 8000	RELOCATE AND RE-USE CONTROLS FROM EXISTING BOXES WHERE POSSIBLE
	150	40	57	E.H. PRICE SEV. 8000	RELOCATE AND RE-USE CONTROLS FROM EXISTING BOX WHERE POSSIBLE
	125	48	135	E.H. PRICE SEV. 8000	EXISTING AND RE-USE CONTROLS FROM EXISTING BOX WHERE POSSIBLE
	125	43	121	E.H. PRICE SEV. 8000	EXISTING AND RE-USE CONTROLS FROM EXISTING BOX WHERE POSSIBLE
	125	33	99	E.H. PRICE SEV. 8000	EXISTING AND RE-USE CONTROLS FROM EXISTING BOX WHERE POSSIBLE
	100	40	50	E.H. PRICE SEV. 8000	EXISTING AND RE-USE CONTROLS FROM EXISTING BOX WHERE POSSIBLE
	150	89	253	E.H. PRICE SEV. 8000	EXISTING AND RE-USE CONTROLS FROM EXISTING BOX WHERE POSSIBLE
	250	106	444	E.H. PRICE SEV. 8000	EXISTING AND RE-USE CONTROLS FROM EXISTING BOX WHERE POSSIBLE

**CEILING RETURN REGISTERS/GRILLES SCHEDULE**

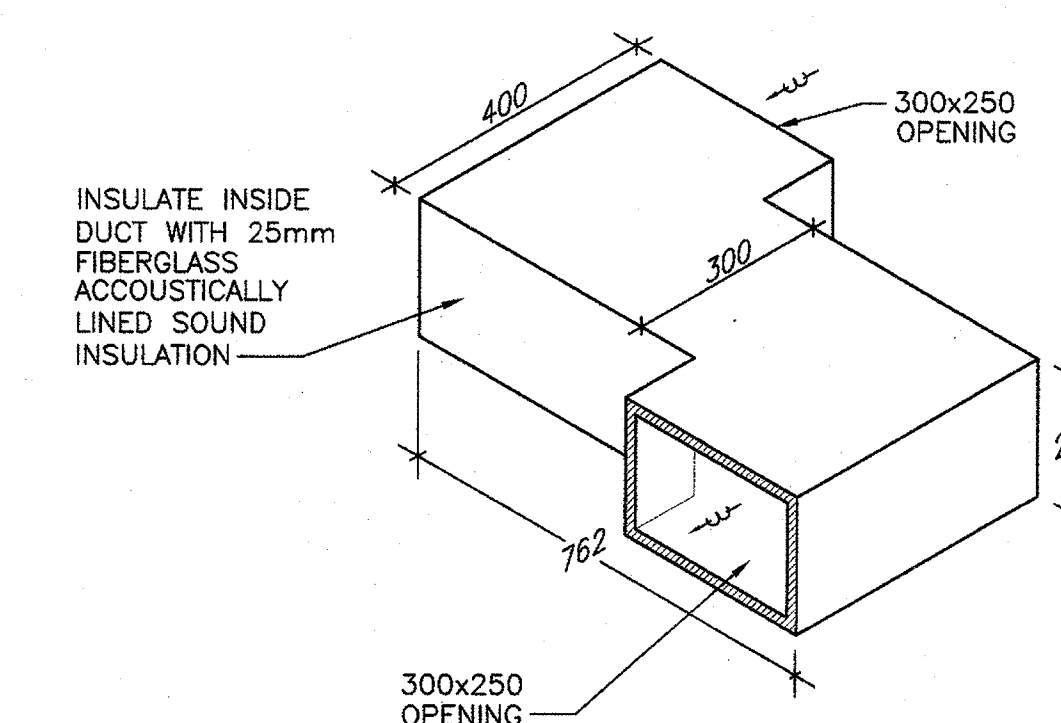
SYMBOL	ACCEPTABLE MATERIAL	TYPE	SIZE mm	CAPACITY L/S	NC LEVEL	SP Pa.	REMARKS
	E.H. PRICE OR EQUAL	CORE 80	600x600	50-100	NC-20		600x600 EGGRATE DIFFUSER HUNG/SECURED IN DRWALL CEILING C/W GRILLE

**LEGEND:**

- NEW**
- NEW SUPPLY DUCTWORK (INSULATED)
  - NEW FLEXIBLE DUCTWORK (INSULATED)
  - NEW LOCATION SUPPLY DIFFUSER
  - NEW SUPPLY DIFFUSER
  - NEW RETURN GRILLE
  - NEW LOCATION RETURN GRILLE
  - RELOCATED / NEW VAV BOX
  - SUPPLY TYPE AIRFLOW L/s
  - RETURN DIFFUSER/GRILLE AIRFLOW L/s
  - VAV BOX TAG INFORMATION TYPE, AND AIR FLOW L/s
  - NEW LOCATION SENSOR
  - NEW SENSOR
  - NEW CAPPED END
  - SUCTION LINE
  - LIQUID LINE
  - NEW FIRE DAMPER
  - NEW CONTROL WIRING
  - NEW BALANCING DAMPER

**NOTES:**

- BALANCE ALL DIFFUSERS/GRILLES AS INDICATED. ADJUST UNIT FLOW (I.E. FAN SPEED) AS REQUIRED, TO MEET SPACE AIR FLOW REQUIREMENTS.
- PROVIDE FIRE DAMPERS FOR ALL DUCT PENETRATIONS THROUGH FIRE RATED WALLS.
- THIS CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND VERIFY ROUTING DUCTWORK INSTALLATION TO AVOID CONFLICTS WITH OTHER TRADES AND THE OWNER PRIOR TO THE ACTUAL INSTALLATION.
- ALL DUCT TAKE OFFS TO BE C/W BALANCING DAMPERS UNLESS OTHERWISE NOTED.
- FLEXIBLE DUCT WORK TO BE A MINIMUM OF 2100mm LONG.
- PROVIDE DUCT ACCESS DOORS EVERY 12m IN MAIN DUCT RUNS.
- ALL DUCT TURN RADIUS TO BE MINIMUM OF 1.5x WIDTH OF THE DUCT.
- SUPPLY, RETURN AND EXHAUST DUCTWORK TO BE THERMALLY INSULATED WITH 25mm THICK FIBREGLASS DUCT INSULATION SEE SPECIFICATION FOR DESCRIPTION.
- DIFFUSERS WHERE THERE IS NO CEILING TO BE SECURED AND FASTENED TO SLAB/WALL.
- NEW DUCTWORK INSTALLATION TO BE ROUTED AS SECURED TO STRUCTURE.
- WHERE EXISTING DUCTWORK IS REMOVED FROM EXISTING SYSTEMS, AIR VOLUMES TO BE ADJUST AND REBALANCED.
- NEW VAV BOX TO CONTROL AIR FLOW AND PERIMETER HEATING.



**INTERVIEW ROOMS RETURN AIR CROSSTALK SILENCER DETAIL**  
N.T.S.

1	ISSUED FOR TENDER	JULY 30 2014
revisions		date
project	<b>RENOVATIONS TO SERVICE CANADA</b> <b>ESDC/EDSC</b> <b>680 MAIN STREET</b> <b>WOODSTOCK, NB</b>	
drawing	<b>EXISTING AND NEW HVAC</b> <b>BASEMENT LAYOUT</b> <b>AND SCHEDULES</b>	
designed F.A.M.	compu	
date 2014-07		
drawn F.A.M.	desin	
date 2014-07		
approved	approv	
date 2014-07		
Tender B.D. Repave	Submission	
PMSCS Project Manager	Administrateur de projets TPSCS	
project number	no. du projet	
		<b>R.072336.001</b>
drawing no.	no. du dessin	
		<b>H1 OF 3</b>