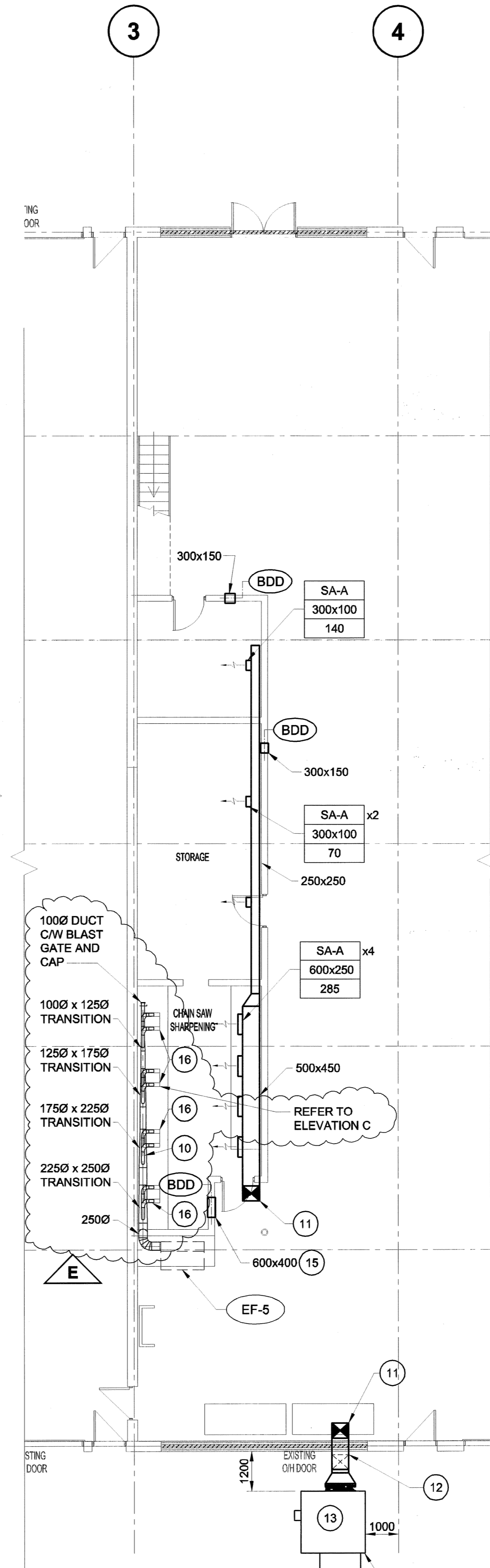
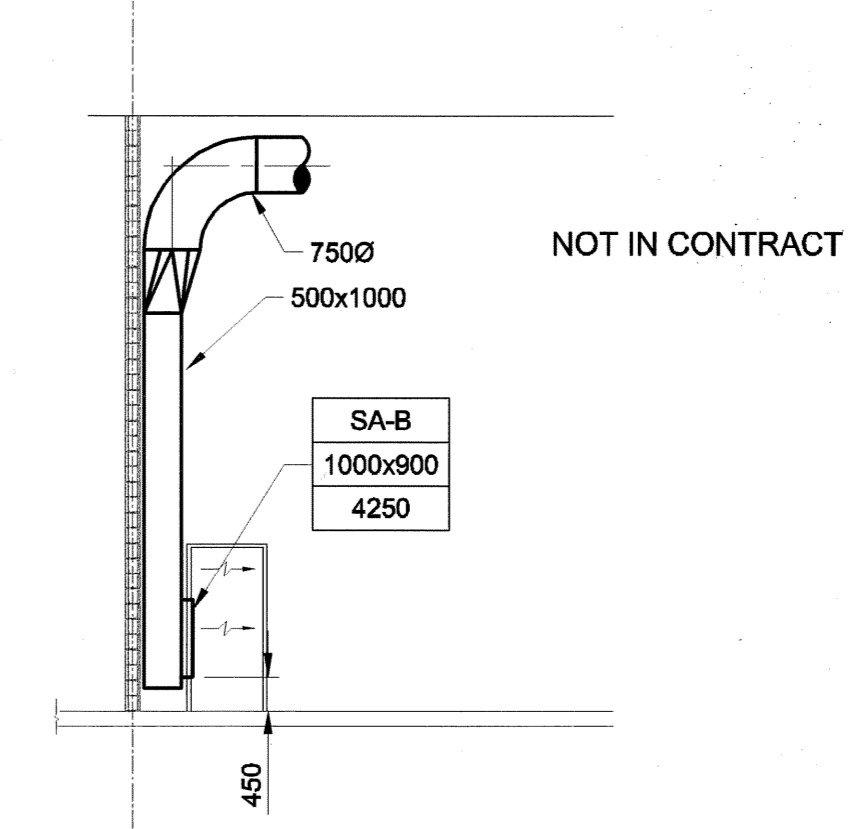


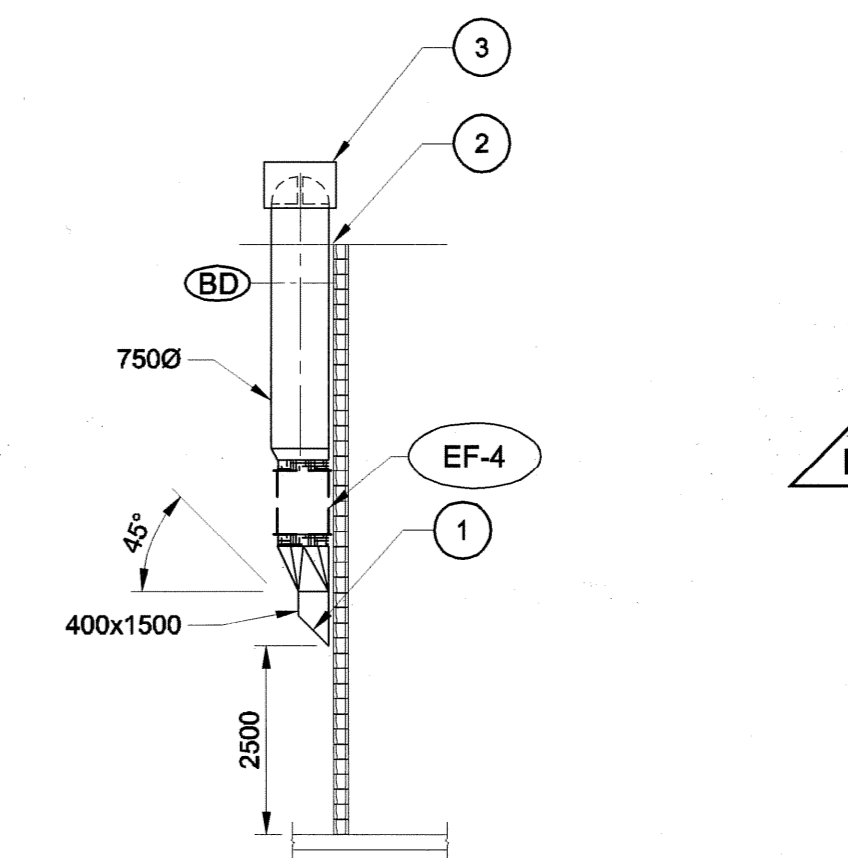
**PLAN**  
 GARAGE VENTILATION  
 SCALE 1:100



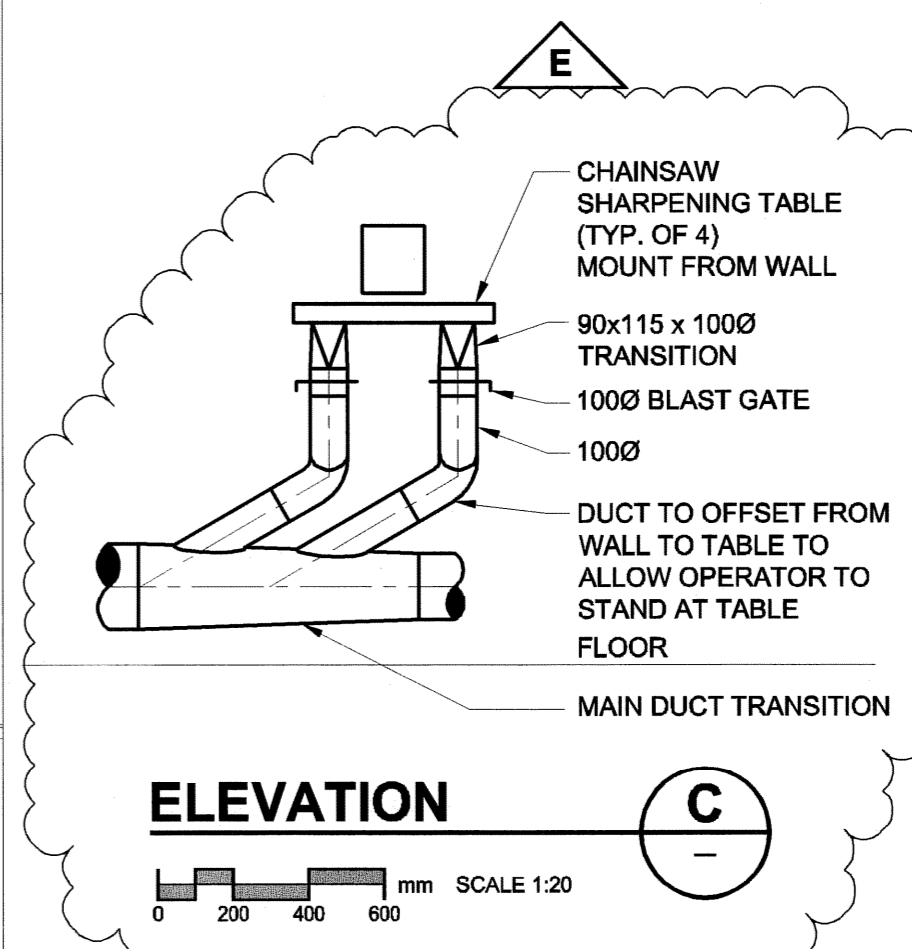
**PART PLAN**  
 MAIN FLOOR GARAGE VENTILATION  
 SCALE 1:100



**SECTION A**  
 SUPPLY AIR DUCT SECTION  
 SCALE 1:100



**SECTION B**  
 EXHAUST AIR SYSTEM SECTION  
 SCALE 1:100



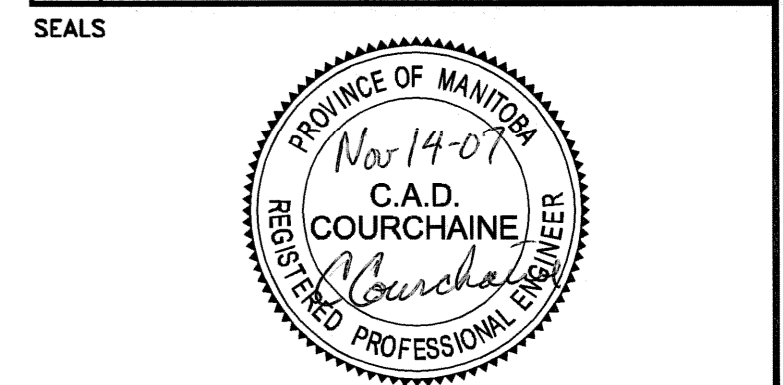
**ELEVATION C**  
 SCALE 1:20

- NOTES:
- PROVIDE PERFORATED GALVANIZED 18 GA SHEET METAL OVER OPENING. SHEET TO HAVE A MINIMUM OF 50% FREE AREA.
  - CURBING AND SEALING BY GENERAL CONTRACTOR.
  - DISCHARGE RING COMPLETE WITH BUTTERFLY BACKDRAFT DAMPER.
  - EXISTING MAKE-UP AIR UNIT RELOCATED TO NEW PLATFORM BY DIV. 15.
  - REMOVE EXISTING SERVICE PLATFORM TO ALLOW FOR INSTALLATION OF NEW MEZZANINE.
  - 1850x850 O/A DUCT UP THROUGH ROOF TO WEATHER HOOD. CURBING AND PENETRATION BY GENERAL CONTRACTOR.
  - REMOVE EXISTING EXHAUST FAN AND TURN OVER TO OWNER. REMOVE EXISTING SERVICE PLATFORM TO ALLOW FOR INSTALLATION OF NEW MEZZANINE. GENERAL CONTRACTOR TO PATCH AND REPAIR ABANDONED ROOF PENETRATION TO MATCH ADJACENT SURFACES.
  - PROVIDE 600x850 MULTI-BLADE BALANCING DAMPER.
  - PROVIDE 850x850 MULTI-BLADE BALANCING DAMPER.
  - 1000 DUCTS UP TO GRINDER C/W BLAST GATE. TAKE-OFF FROM MAIN TO BE A WYE.
  - 500x450 S/A DUCT UP TO HIGH LEVEL.
  - 500x450 S/A DUCT DOWN TO MAKE-UP AIR HANDLING UNIT.
  - NEW MAKE-UP AIR UNIT MOUNTED ON CONCRETE PAD.
  - GAS DETECTORS TO BE MOUNTED AT HEIGHT INDICATED BY MANUFACTURER.
  - TRANSFER AIR THROUGH WALL AT HIGH LEVEL.
  - RELOCATE FOUR CHAIN GRINDERS FROM 401 PANDORA WEST SHOP. PROVIDE ALL NEW DUCTING AND FITTINGS. DUST COLLECTION DUCT FABRICATION TO MEET SMACNA -2 kPa (-8" W.C.) CLASS 2 INDUSTRIAL DUCT CONSTRUCTION STANDARDS.
- DESIGN NOTES:  
 1. EXHAUST EXTRACTION BASED ON 500 CU. IN. DIESEL 4 CYCLE ENGINE AT 2000 RPM WITH 538°C (1000°F) EXHAUST TEMPERATURE, PLUS 20% SAFETY FACTOR.

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NO.	REVISION/DESCRIPTION	BY	DATE
E	ISSUED FOR ADDENDUM No. 1	ALS	07/11/14
D	ISSUED FOR TENDER	ALS	07/11/09
C	ISSUED FOR FINAL REVIEW	ALS	07/19/09
B	ISSUED FOR 100% REVIEW	ALS	07/08/07
A	ISSUED FOR CLIENT REVIEW	ALS	07/08/07



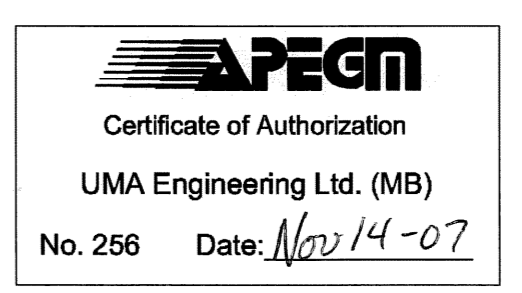
DRAWN BY: RJP  
 CHECKED BY: [ ]  
 APPROVED: [ ]  
 DATE: 2007.06.05  
 USER APPROVAL

CITY OF WINNIPEG  
 PLANNING, PROPERTY &  
 DEVELOPMENT DEPARTMENT  
 CIVIC ACCOMMODATIONS DIVISION  
 300 - 65 GARRY ST. R3C 4K4

PROJECT  
 CONSTRUCTION OF OFFICE/GARAGE  
 RENOVATIONS AND STORAGE BUILDING  
 AT 1539 WAVERLEY STREET  
 1539 Waverley Street, Winnipeg, MB.

SHEET TITLE  
 MECHANICAL  
 NEW CONSTRUCTION - HVAC  
 MAIN FLOOR GARAGE

SCALE: AS NOTED  
 PROJECT NO.: 0265-395-02  
 SHEET NO.: GAR M1.2



DRN	CHK	DES	ENG	IDR

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