

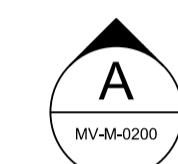
CFIA BUILDING - AUDITORIUM BREAK AREAS & C-WING MILLWORK

3851 FALLOWFIELD Rd., NEPEAN, ONTARIO

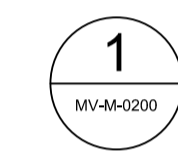
GENERAL



ELEVATION "A" ON DRAWING MV-M-0200



SECTION "A" ON DRAWING MV-M-0200



DETAIL "1" ON DRAWING MV-M-0200

UP UP

DN DOWN

INDICATION

REVISION No.: 1

ACCESSORIES IDENTIFICATION

PIPING DIAMETER

PIPING DIAMETER

EXISTING TO REMAIN

DEMOLITION PLAN

EXISTING TO BE REMOVED

EXISTING TO REMAIN

NEW LAYOUT PLAN

NEW

ABBREVIATIONS

C/W = COMPLETE WITH

PLUMBING

ST ABOVE FLOOR OR GRADE STORM DRAIN

HEATING

HWS HEATING WATER - SUPPLY

HWR HEATING WATER - RETURN

FITTINGS AND ACCESSORIES

PIPE CONTINUATION

CLEANOUT

FIRE PROTECTION

EX FIRE EXTINGUISHER, WALL MOUNTED

VENTILATION AND AIR CONDITIONING

SUPPLY DUCT / UP

SUPPLY DUCT / DN

RETURN OR EXHAUST DUCT / UP

RETURN OR EXHAUST DUCT / DN

BALANCING DAMPER

MOTORIZED FIRE DAMPER

ACCESS DOOR ON BOTTOM

ACCESS DOOR ON TOP

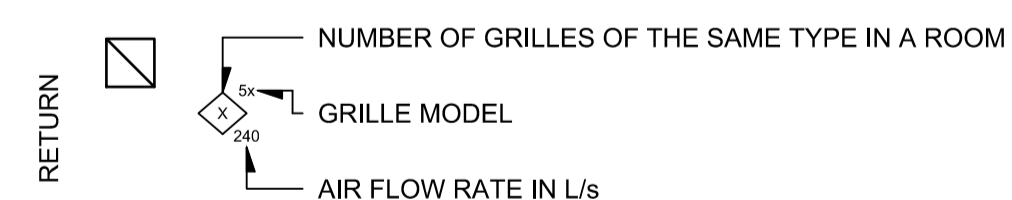
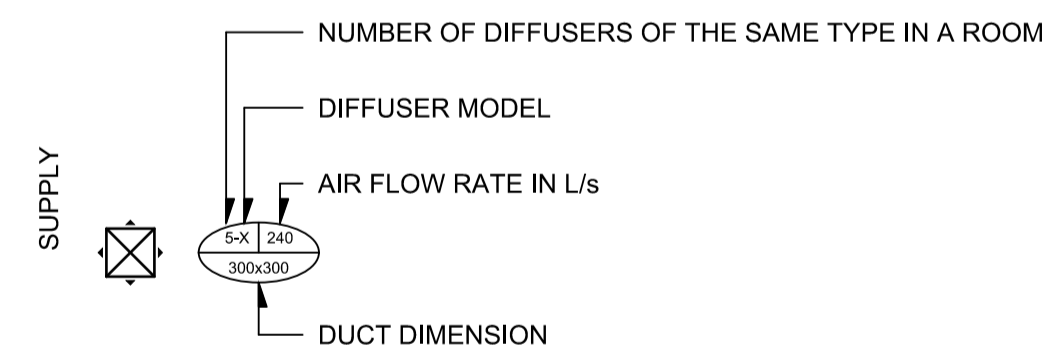
FLEXIBLE DUCT

RETURN GRILLE

LINEAR DIFFUSER

ARCHITECTURAL DIFFUSER

AIR FLOW



PNEUMATIC CONTROLS

P PNEUMATIC THERMOSTAT

PH PNEUMATIC HUMIDISTAT

THIS DRAWING SHALL NOT BE USED FOR
CONSTRUCTION OR INSTALLATION
PURPOSES.

no.	date	revision / issue	by
1	2017-09-29	ISSUED FOR TENDER	SG

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7400-002-00

north point



project title 2017-09-29

**CFIA AUDITORIUM
BREAK AREAS &
C-WING MILLWORK**

3851 Fallowfield Road, Nepean Ontario

drawing title

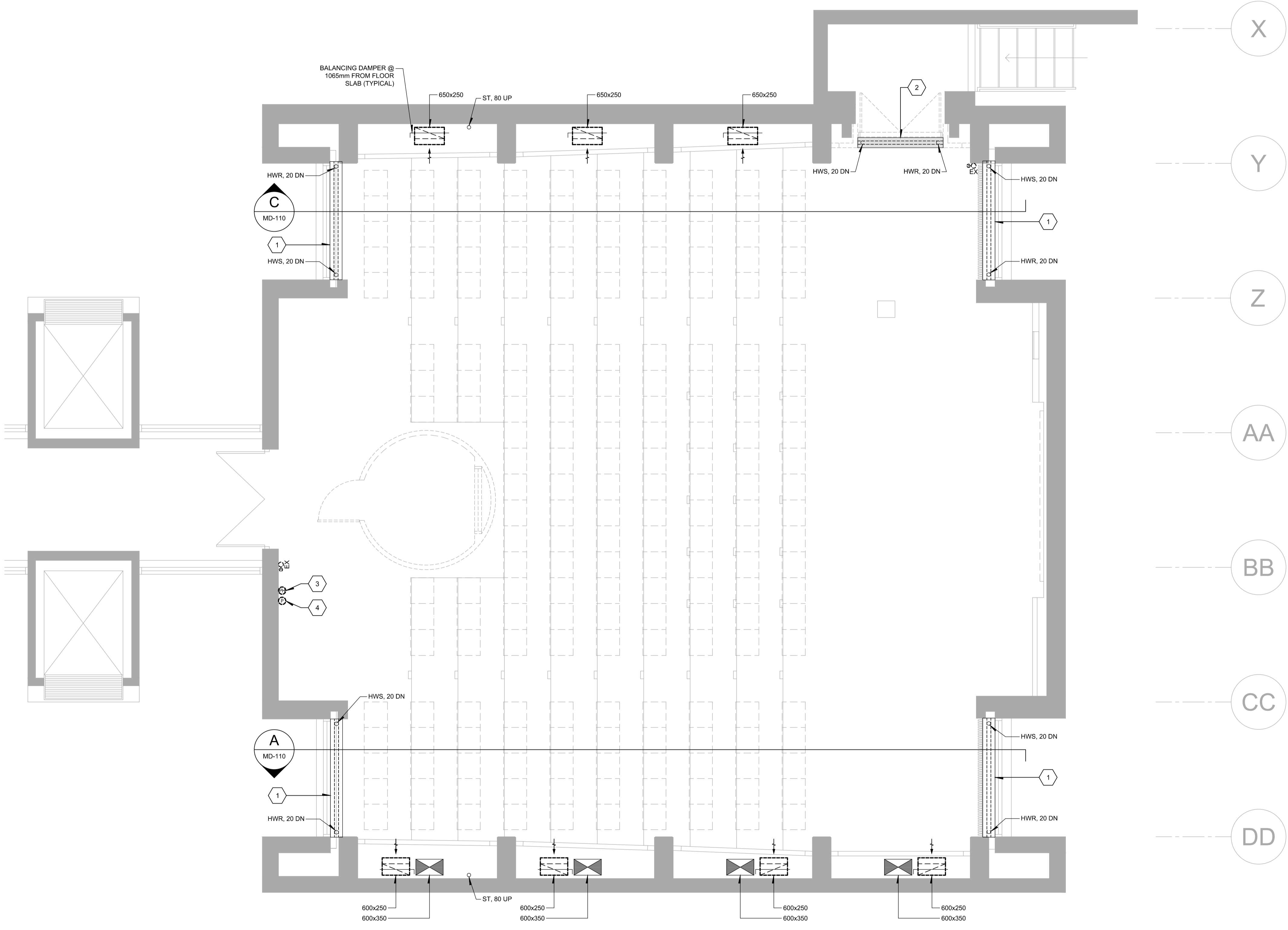
MECHANICAL - LEGEND

date	2017-09-29	job.no.	1217
scales	1:50		
drawn	M-A.LACROIX	drawing no.	M-001
approved	S.GEOFFROY		
plot date	2017-09-29		

1 DO NOT SCALE THIS DRAWING.
2 CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK STARTS.
3 THIS DRAWING TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWINGS: ARCHITECTURAL, MECHANICAL, ELECTRICAL.

18 19 20 21 22 23 24

- IDENTIFICATION(S):**
- 1 EXISTING WALL FIN RADIATION HEATER (HOT WATER) TO BE CLEANED BY DIVISION 23 (ENCLOSURE & FINS), DIVISION 23 TO ENSURE ADEQUATE FINS SPACING PRIOR TO ENCLOSURE REINSTALLATION.
 - 2 EXISTING FLOOR CONCEALED HEATING FAN COIL TO BE REMOVED AND REPLACED BY NEW.
 - 3 PNEUMATIC HUMIDISTAT TO BE REMOVED, C/W PNEUMATIC TUBING BACK TO AHU-6 PNEUMATIC CONTROL SYSTEM LOCATED IN THE BASEMENT MECHANICAL ROOM.
 - 4 PNEUMATIC THERMOSTAT TO REMAIN. DIVISION 23 TO REFURBISH THE EXISTING THERMOSTAT.



1 GROUND FLOOR PLAN - DEMOLITION
MD-100 SCALE = 1:50



X

Y

Z

AA

BB

CC

DD

THIS DRAWING IS ISSUED FOR DEMOLITION PURPOSES. IT REPRESENTS AN INVENTORY OF THE MAIN EXISTING INSTALLATIONS, GENERALLY VERIFIED IN CONNECTION WITH THE MODIFICATIONS SHOWN ON THIS DRAWING'S "NEW LAYOUT" VERSION, AND OF WHICH THE GENUINE CONDITIONS MUST BE OBSERVED ON THE SITE BY THE CONTRACTOR.

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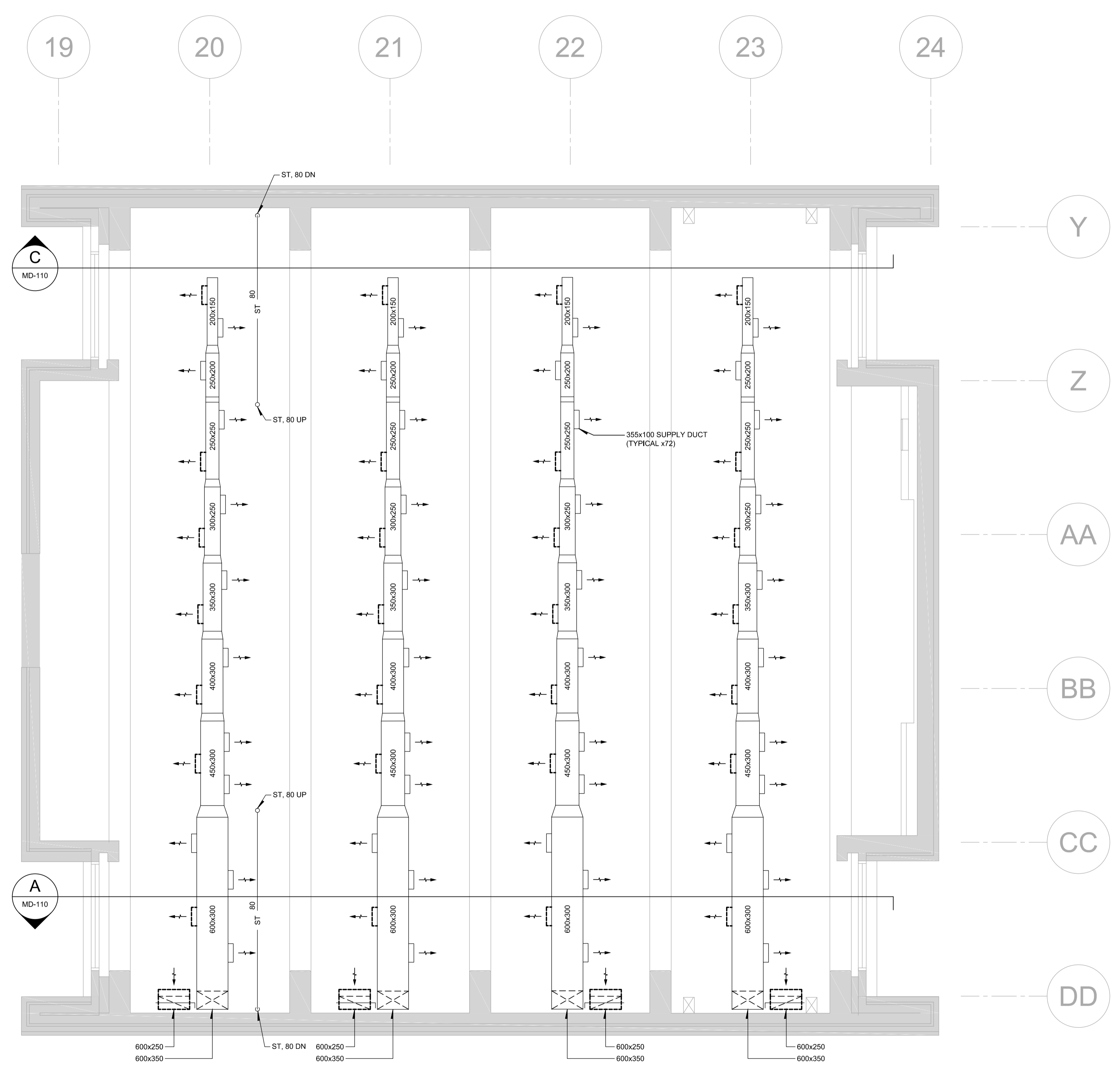
north point

project title 2017-09-29
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C-WING MILLWORK**
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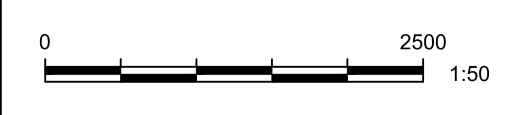
drawing title
**MECHANICAL - MULTIDISCIPLINARY
GROUND FLOOR - DEMOLITION**

date 2017-09-29	job.no. 1217
scales 1:50	
drawn M-A.LACROIX	drawing no.
approved S.GEOFFROY	MD-100
plot date 2017-09-29	

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1 GROUND FLOOR - CEILING PLAN - DEMOLITION
 MD-101 SCALE = 1:50



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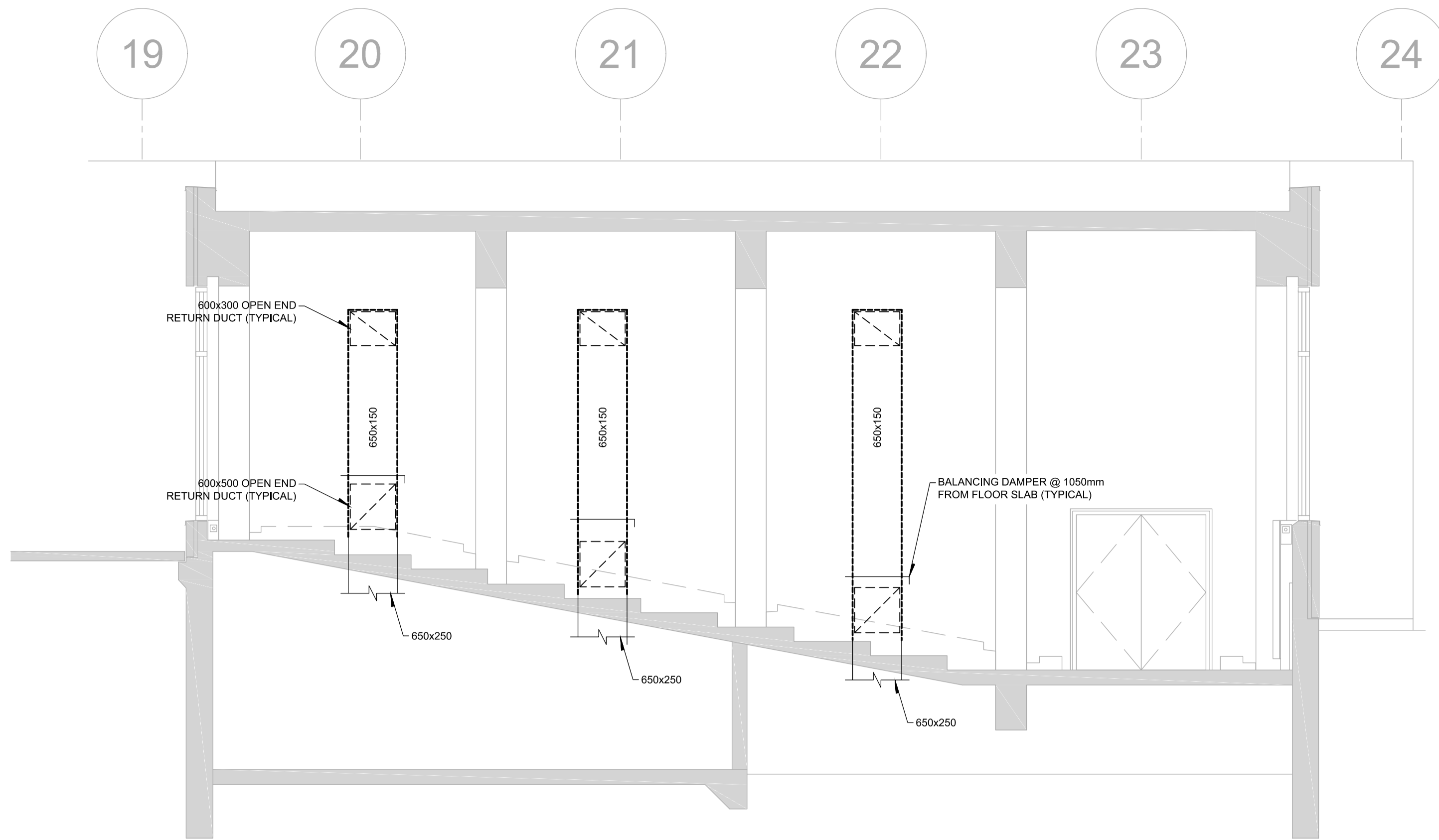
north point

project title 2017-09-29
**CFIA AUDITORIUM
 BREAK AREAS &
 C-WING MILLWORK**
 3851 Fallowfield Road, Nepean Ontario

drawing title
**MECHANICAL - MULTIDISCIPLINARY
 GROUND FLOOR - DEMOLITION**

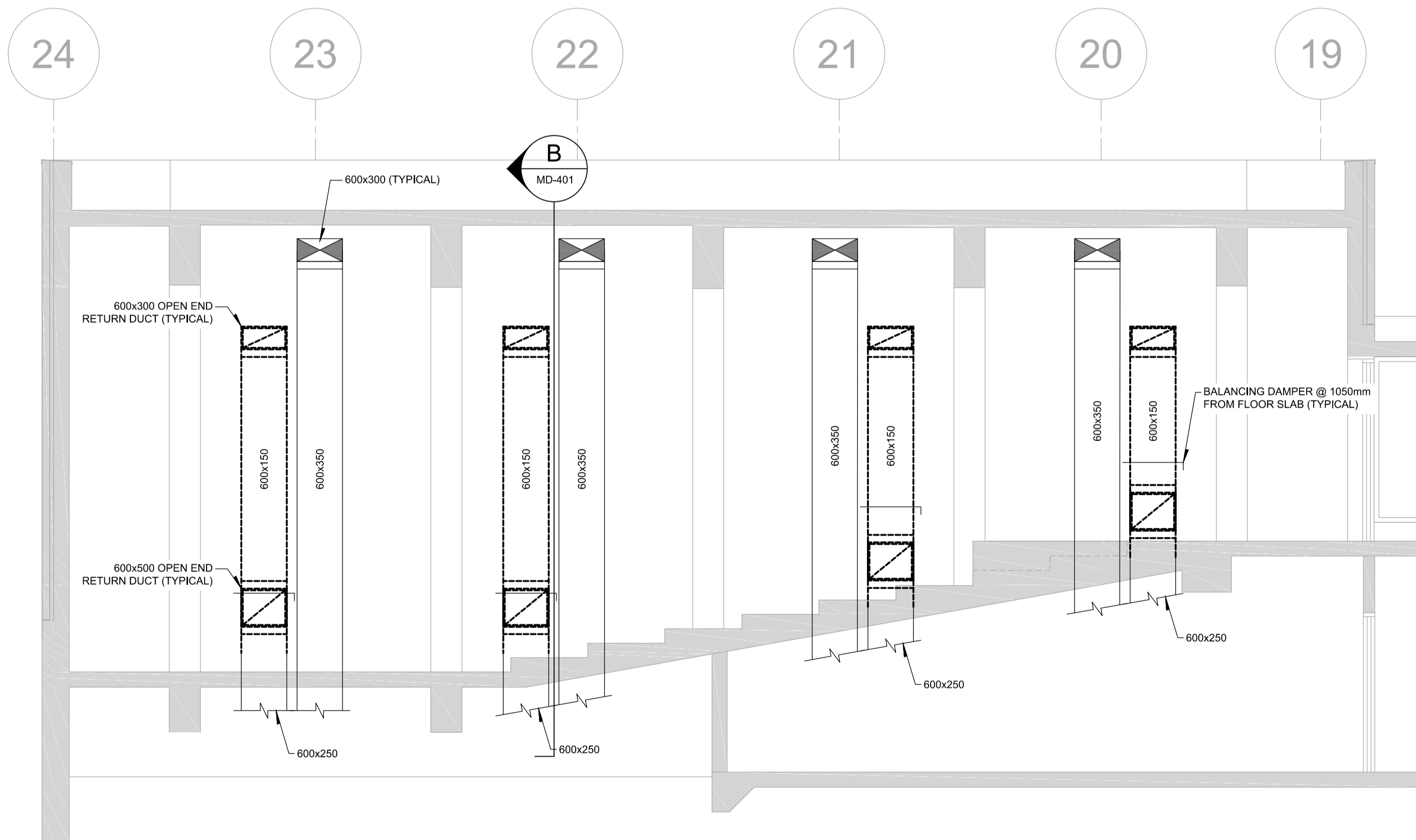
date	2017-09-29	job.no.	1217
scales	1:50		
drawn	M-A.LACROIX	drawing no.	
approved	S.GEOFFROY		
plot date	2017-09-29		MD-101

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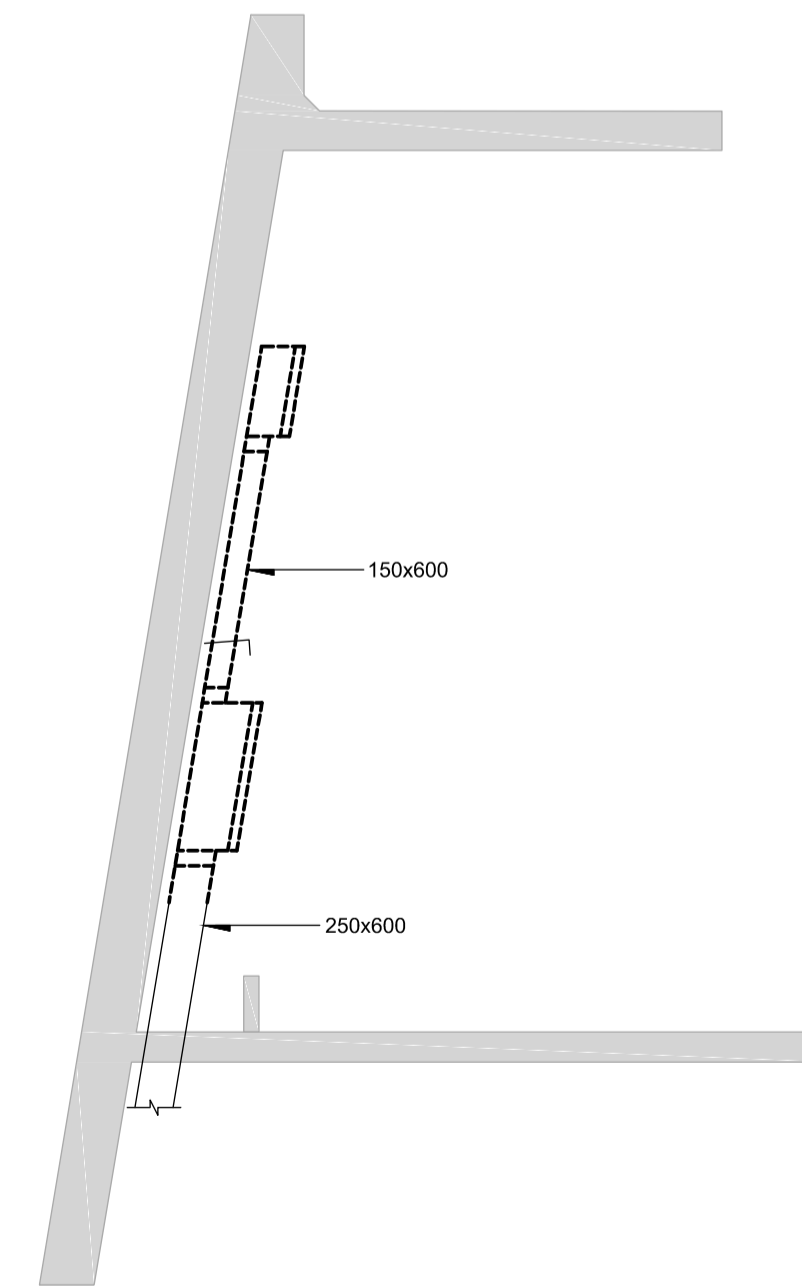
GROUND FLOOR - DEMOLITION

C ELEVATION
MD-110 SCALE = 1:50



GROUND FLOOR - DEMOLITION

A ELEVATION
MD-110 SCALE = 1:50



GROUND FLOOR - EXISTING RETURN DUCT

B SECTION
MD-110 SCALE = N.T.S.

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professional stamp
LICENSED PROFESSIONAL ENGINEER
S. GEOFFROY
No. 100175328
PROVINCE OF ONTARIO

project title 2017-09-29
**CFIA AUDITORIUM
BREAK AREAS &
C-WING MILLWORK**
3851 Fallowfield Road, Nepean Ontario

drawing title
**MECHANICAL - VENTILATION -
ELEVATIONS & DETAILS - DEMOLITION**

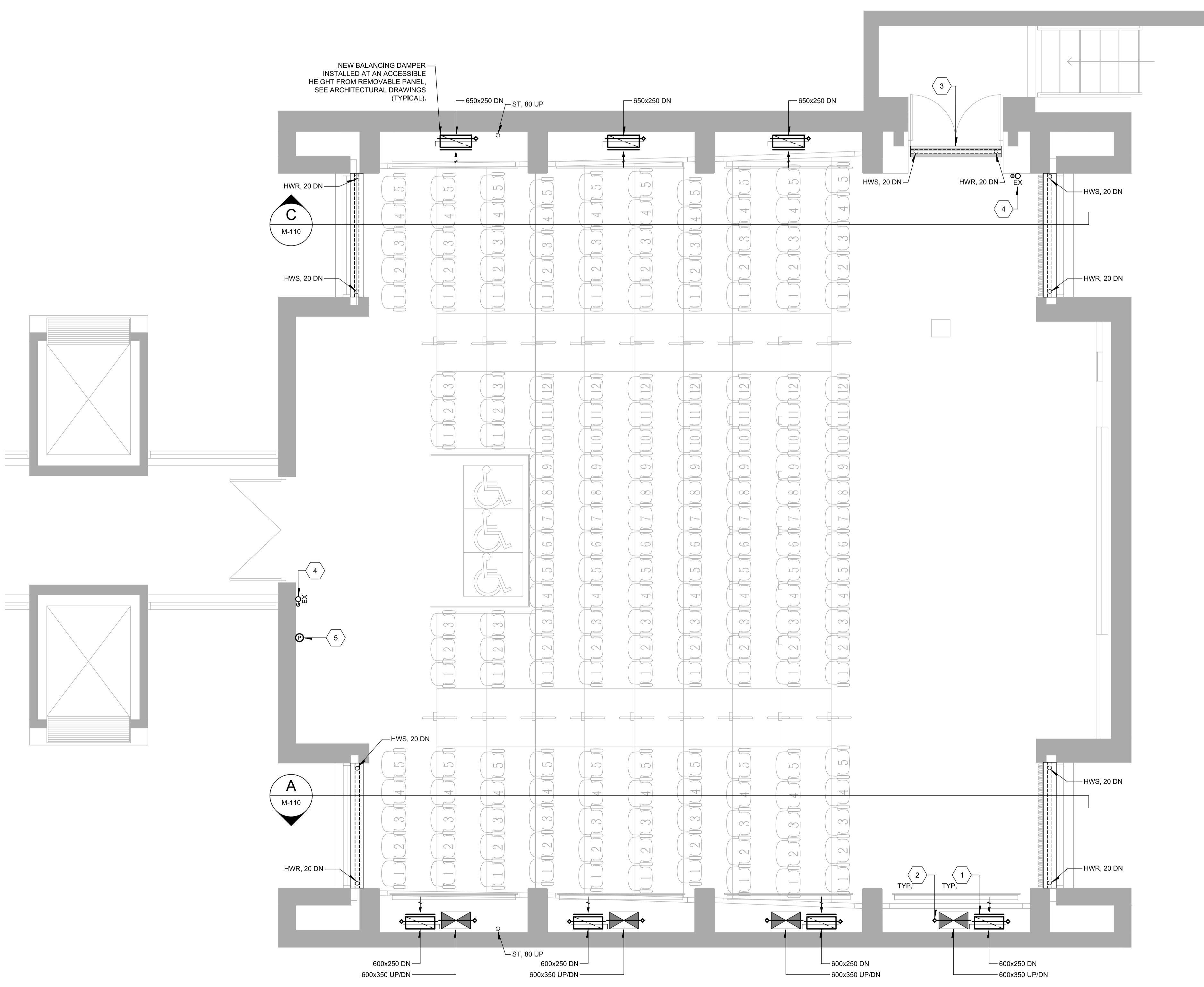
date 2017-09-29	job.no. 1217
scales 1:50	
drawn M-A.LACROIX	drawing no.
approved S.GEOFFROY	MD-110
plot date 2017-09-29	

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18 19 20 21 22 23 24

- IDENTIFICATION(S):**
- 1 NEW RECTANGULAR RETURN AIR GRILLE, TYPE RG, 472 L/s. REFER TO DETAIL 1 ON THIS DRAWING FOR QUANTITY.
 - 2 SUPPLY AND INSTALL NEW FIRE DAMPERS FOR ALL DUCTS PASSING THROUGH FLOOR SLAB, REFER TO DETAIL 1 ON THIS DRAWING FOR DUCT DIMENSIONS AND QUANTITY.
 - 3 NEW FLOOR CONCEALED FAN COIL, SEE SPECIFICATIONS FOR PERFORMANCES.
 - 4 NEW FIRE EXTINGUISHER, SEE SPECIFICATIONS.
 - 5 PNEUMATIC THERMOSTAT TO REMAIN, DIVISION 23 TO REFURBISH THE EXISTING THERMOSTAT.

X
Y
Z
AA
BB
CC
DD



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**CFIA AUDITORIUM
 BREAK AREAS &
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 3851 Fallowfield Road, Nepean Ontario

drawing title
**MECHANICAL - MULTIDISCIPLINARY
 GROUND FLOOR - NEW LAYOUT**

date 2017-09-29	job.no. 1217
scales 1:50	
drawn M-A.LACROIX	drawing no.
approved S.GEOFFROY	M-100
plot date 2017-09-29	

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 3 THIS DRAWING TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWINGS: ARCHITECTURAL, MECHANICAL, ELECTRICAL.

1 GROUND FLOOR PLAN - NEW LAYOUT
 M-100 SCALE = 1:50

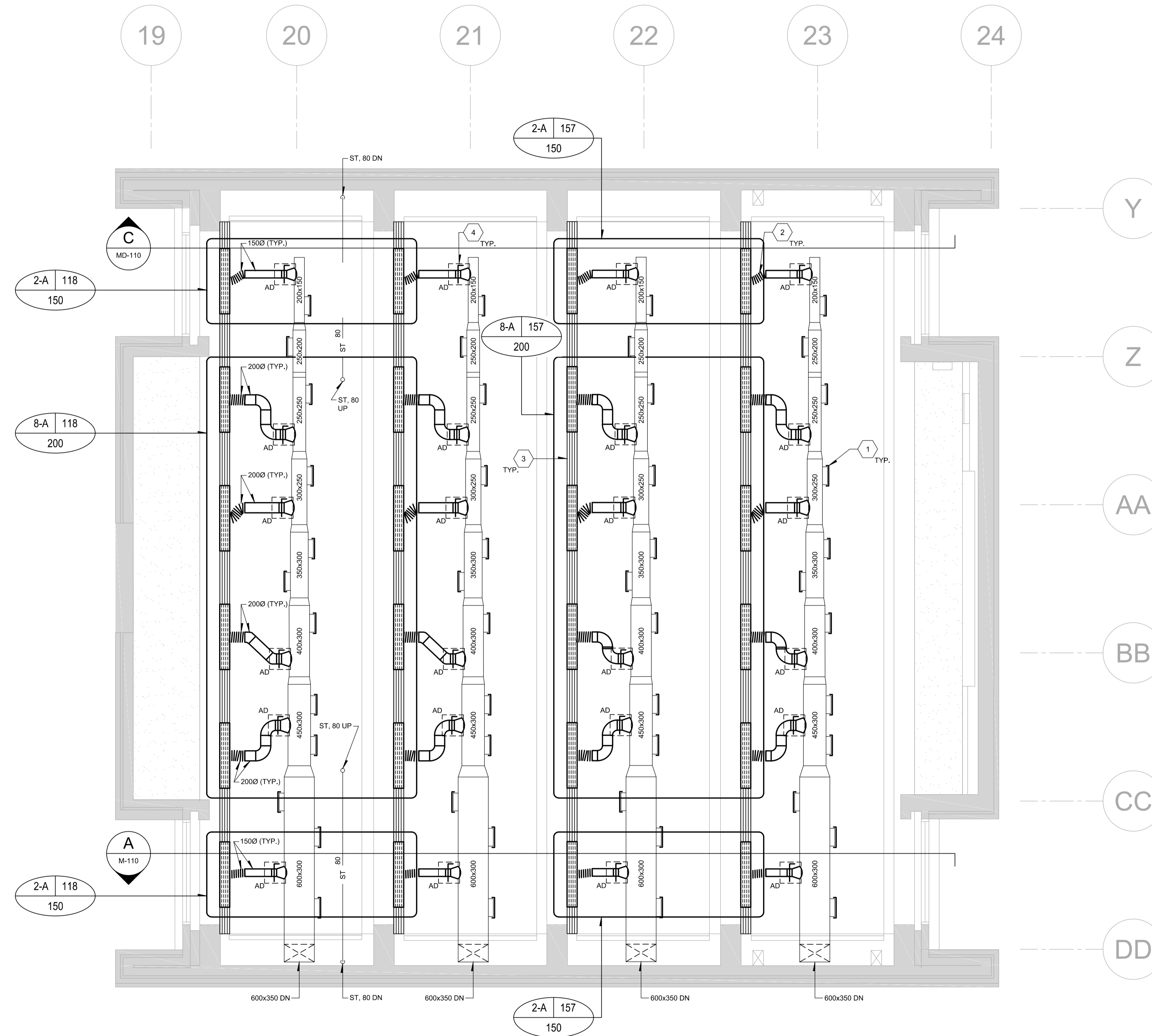


GENERAL NOTE(S):

1- DIVISION 23 TO BALANCE AHU-6 & RF-3 TO 3,304L/s. PROVIDE NEW BELTS / PULLEYS AS REQUIRED. REFER TO DRAWING M-300 FOR UNITS LOCATION. OUTDOOR AIR TO BE BALANCED TO 520 L/s.

IDENTIFICATION(S):

- 1 355x100 SUPPLY AIR TAKEOFF TO BE CAPPED.
- 2 FLEXIBLE DUCTS LENGTH SHALL NOT EXCEED 300mm.
- 3 ARCHITECTURAL DIFFUSER SECTION.
- 4 ACCESS DOORS BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS.



1 GROUND FLOOR - CEILING PLAN - NEW LAYOUT
M-101 SCALE = 1:50



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drawing title
**MECHANICAL - MULTIDISCIPLINARY
GROUND FLOOR - NEW LAYOUT**

date	2017-09-29	job.no.	1217
scales	1:50		
drawn	M-A.LACROIX	drawing no.	M-101
approved	S.GEOFFROY		
plot date	2017-09-29		

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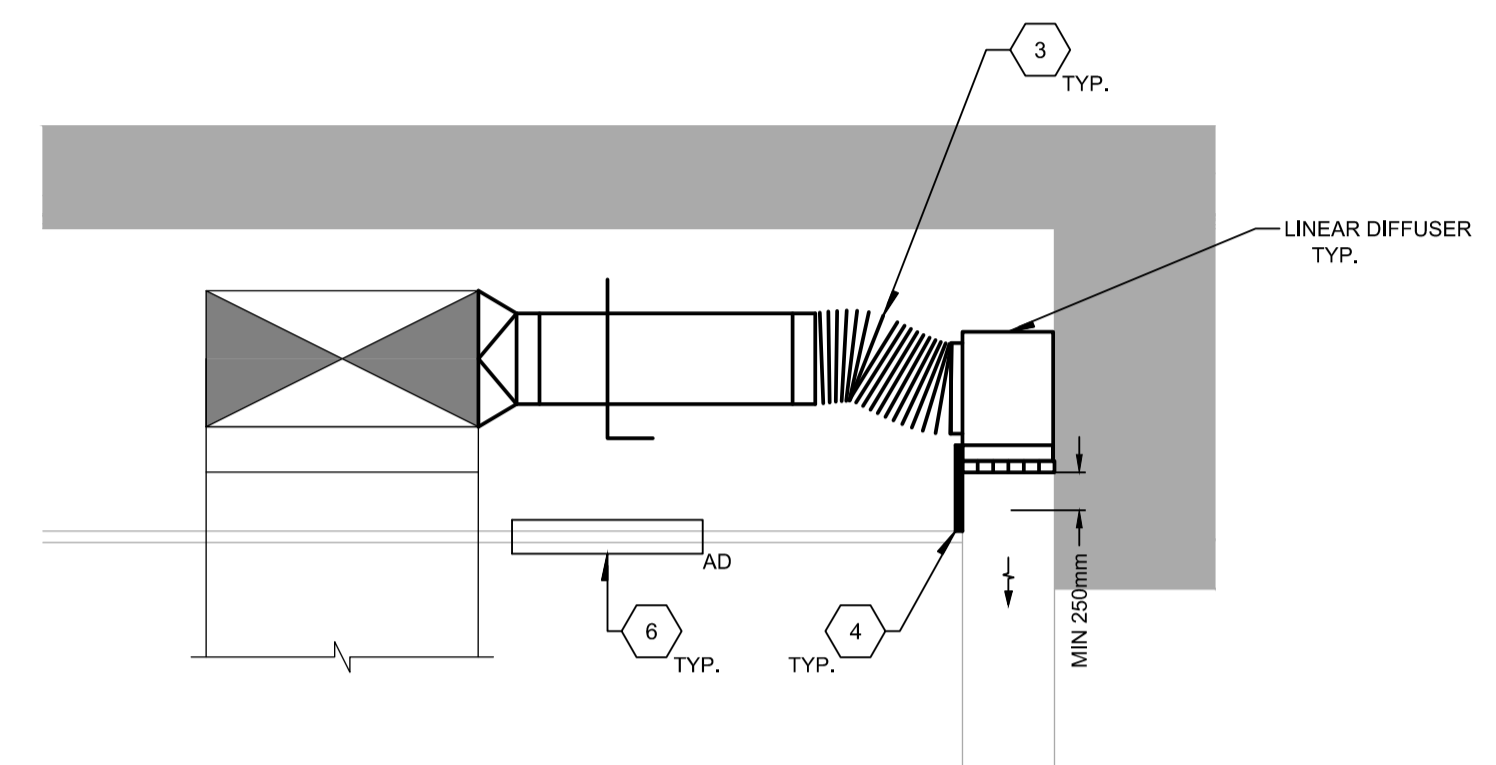


GROUND FLOOR - NEW LAYOUT

C ELEVATION
M-110 SCALE = 1:50

IDENTIFICATION(S):

- 1 NEW RECTANGULAR RETURN AIR GRILLE, TYPE RG, 600x500, 472L/s.
- 2 SUPPLY AND INSTALL NEW FIRE DAMPERS FOR ALL DUCTS PASSING THROUGH FLOOR SLAB, REFER TO DETAIL 1 ON DRAWING M-100 FOR DUCT DIMENSIONS AND QUANTITY.
- 3 FLEXIBLE DUCTS LENGTH SHALL NOT EXCEED 300mm.
- 4 PROVIDE AND INSTALL CONTINUOUS BLACK PAINTED SHEET METAL PLATES (GAUGE 20) TO PREVENT AIR SUPPLIED FROM DIFFUSERS TO BE PROJECTED ABOVE CEILING, REFER TO DETAIL 1 ON DRAWING M-100 FOR TOTAL LENGTH OF TYPE A DIFFUSERS AND ARCHITECTURAL DIFFUSERS.
- 5 NEW BALANCING DAMPER INSTALLED AT AN ACCESSIBLE HEIGHT FROM REMOVABLE PANEL, SEE ARCHITECTURAL DRAWINGS.
- 6 ACCESS DOORS BY GENERAL CONTRACTOR, REFER TO ARCHITECTURAL DRAWINGS.



GROUND FLOOR - SUPPLY DUCT - NEW LAYOUT

1 DETAIL
M-110 SCALE = N.T.S.

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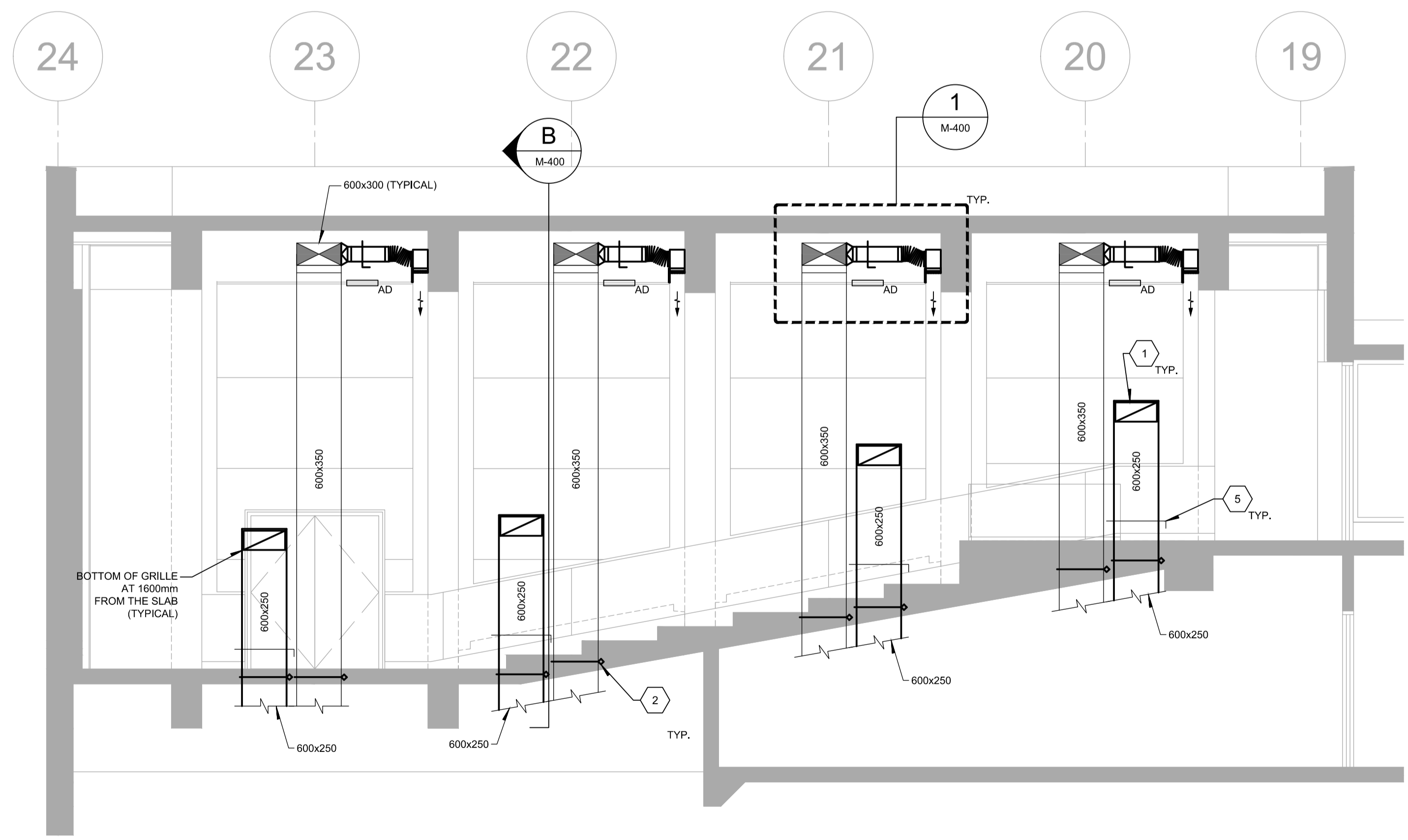
north point

project title 2017-09-29
**CFIA AUDITORIUM
BREAK AREAS &
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3851 Fallowfield Road, Nepean Ontario

drawing title
**MECHANICAL - VENTILATION
ELEVATIONS AND DETAILS - NEW LAYOUT**

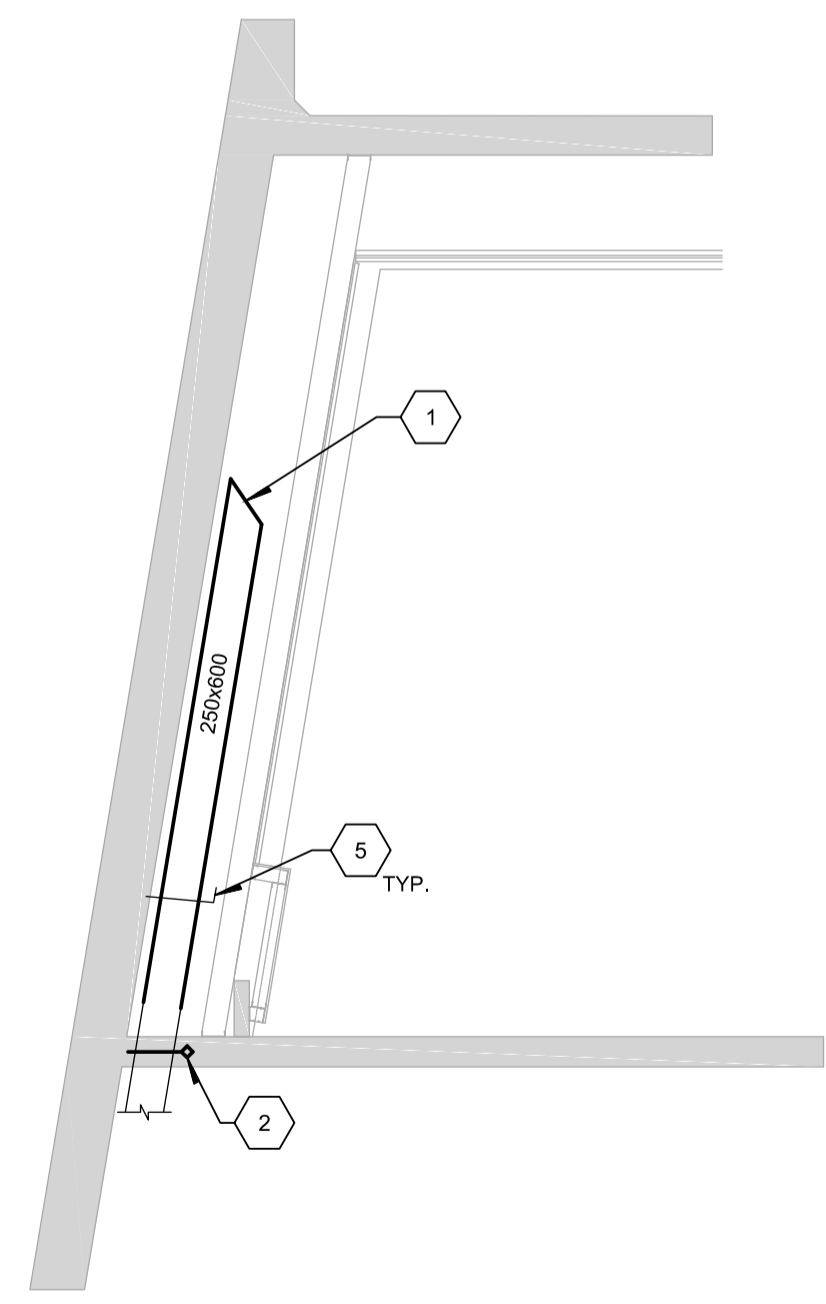
date 2017-09-29	job.no. 1217
scales 1:50	
drawn M-A.LACROIX	drawing no. M-110
approved S.GEOFFROY	
plot date 2017-09-29	

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GROUND FLOOR - NEW LAYOUT

A ELEVATION
M-110 SCALE = 1:50

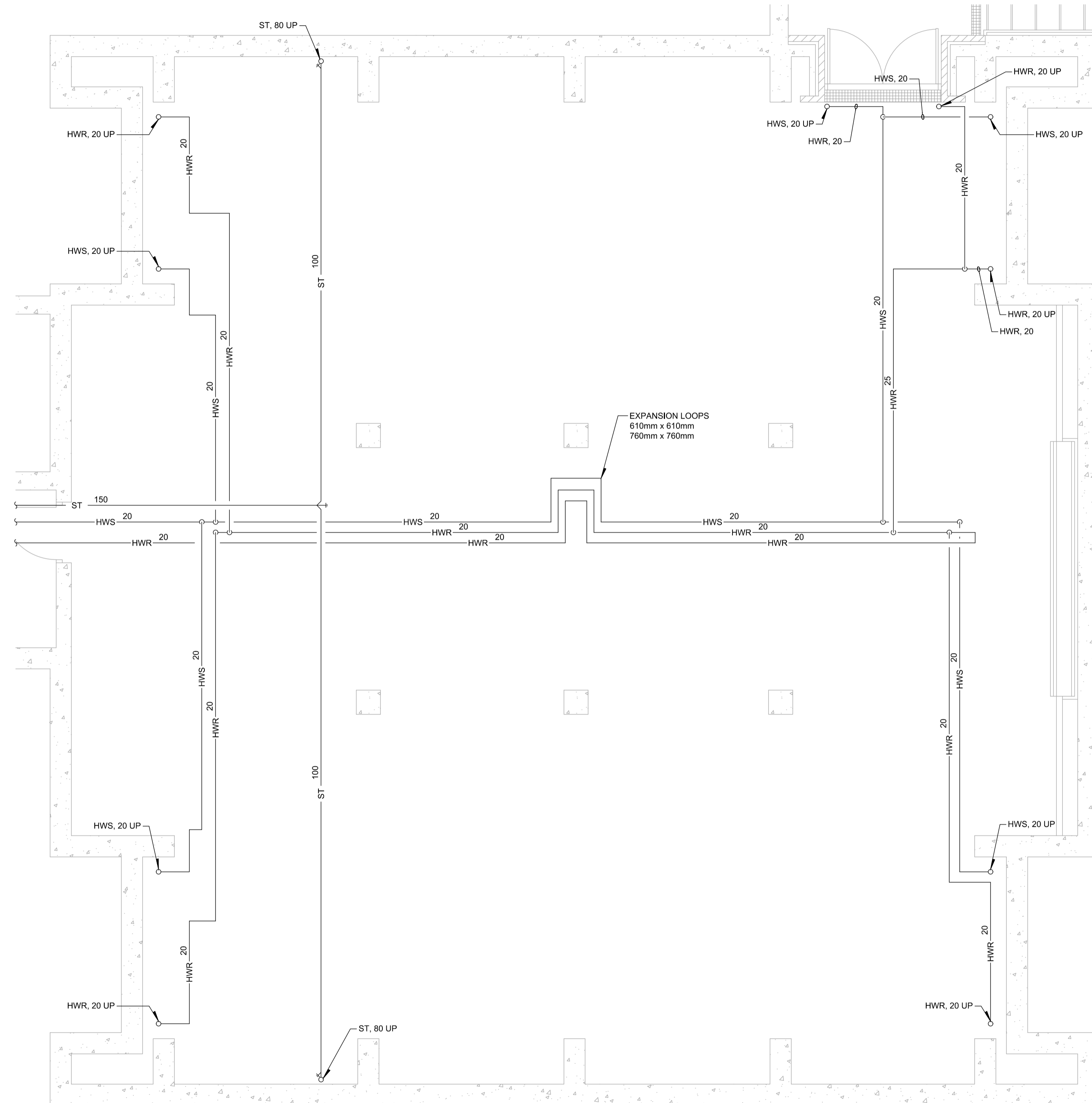


GROUND FLOOR - RETURN DUCT - NEW LAYOUT

B SECTION
M-110 SCALE = N.T.S.

GENERAL NOTE(S):

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1 BASEMENT - PIPING
M-200 SCALE = 1:50



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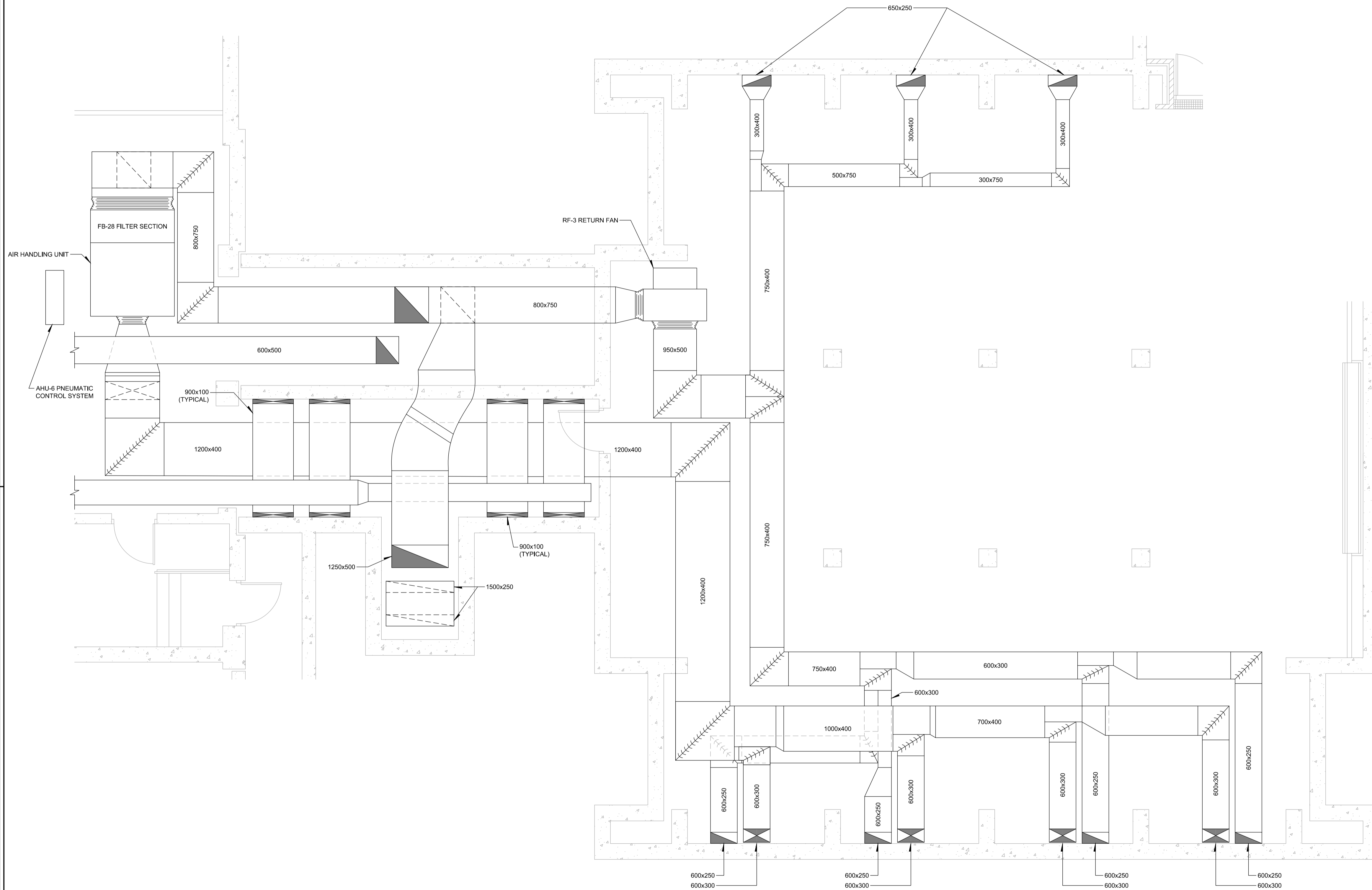
drawing title
**MECHANICAL
BASEMENT - PIPING**

date	2017-09-29	job.no.	1217
scales	1:50		
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approved	S.GEOFFROY		
plot date	2017-09-29		

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1 BASEMENT - VENTILATION
M-300 SCALE = 1:50

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drawing title
**MECHANICAL
BASEMENT - VENTILATION**

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drawn	M-A.LACROIX	drawing no.	M-300
approved	S.GEOFFROY		
plot date	2017-09-29		

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