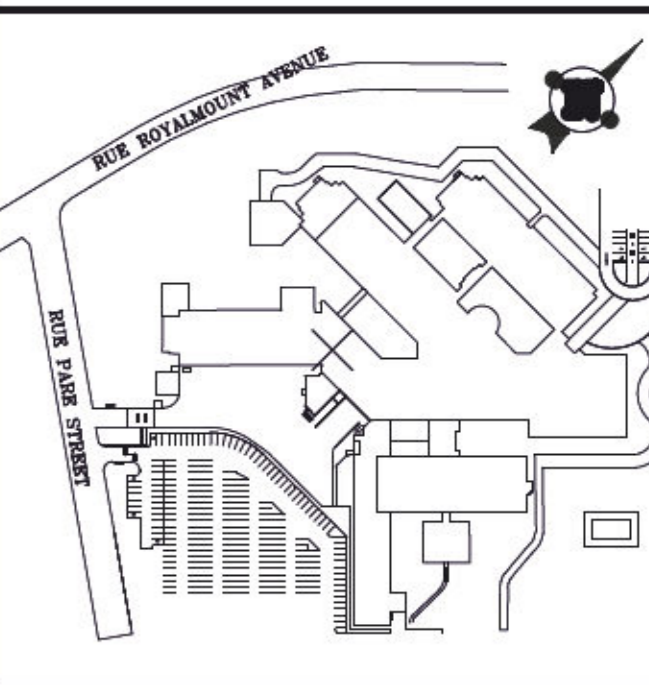


# NATIONAL RESEARCH COUNCIL CANADA



REPLACEMENT OF MOTORIZED DAMPERS  
6100 Royalmount Avenue. Montreal, QC H4P 2R2, Canada



Notes:

DO NOT USE  
FOR CONSTRUCTION

Engineer:

Architect:

PLANS INDEX				
PROJECT	DRAWING No.	DESCRIPTION		REVISION
		PLANS LIST		
075-CC47-PR03	ME 000	MECHANICAL - GENERAL PORTRAYAL, DRAWINGS LIST		00
075-CC47-PR03	ME 001	MECHANICAL - GENERAL MECHANICAL LEGEND		00
075-CC47-PR03	ME 500	MECHANICAL - VENTILATION DAMPERS LOCATION PLAN GROUND FLOOR		00
075-CC47-PR03	ME 501	MECHANICAL - VENTILATION DAMPERS LOCATION PLAN LEVEL 1		00
075-CC47-PR03	ME 502	MECHANICAL - VENTILATION DAMPERS LOCATION PLAN LEVEL 2 (SHED AND ROOF)		00
075-CC47-PR03	ME 570	MECHANICAL - VENTILATION DETAILS 1/6		00
075-CC47-PR03	ME 571	MECHANICAL - VENTILATION DETAILS 2/6		00
075-CC47-PR03	ME 572	MECHANICAL - VENTILATION DETAILS 3/6		00
075-CC47-PR03	ME 573	MECHANICAL - VENTILATION DETAILS 4/6		00
075-CC47-PR03	ME 574	MECHANICAL - VENTILATION DETAILS 5/6		00
075-CC47-PR03	ME 575	MECHANICAL - VENTILATION DETAILS 6/6		00
075-CC47-PR03	ME 950	MECHANICAL - VENTILATION DEMOLITION 1/6		00
075-CC47-PR03	ME 951	MECHANICAL - VENTILATION DEMOLITION 2/6		00
075-CC47-PR03	ME 952	MECHANICAL - VENTILATION DEMOLITION 3/6		00
075-CC47-PR03	ME 953	MECHANICAL - VENTILATION DEMOLITION 4/6		00
075-CC47-PR03	ME 954	MECHANICAL - VENTILATION DEMOLITION 5/6		00
075-CC47-PR03	ME 955	MECHANICAL - VENTILATION DEMOLITION 6/6		00

#	Date	Description	By	App
00	2023-07-17	FOR TENDERS	E.B.T.	X.B.
01	2023-01-14	FOR COMMENTS 50%	E.B.T.	E.R.
02	2023-01-27	FOR COMMENTS 50%	W.G.	E.R.

Consultant:



Seal:



Prepared by: A.L. Verified by: M.L.D.

Drawn by: E.B.T. Approved by: X.B.

Date: 2023-01-27 Scale: NONE

Client:



Project:  
**REPLACEMENT OF MOTORIZED DAMPERS**

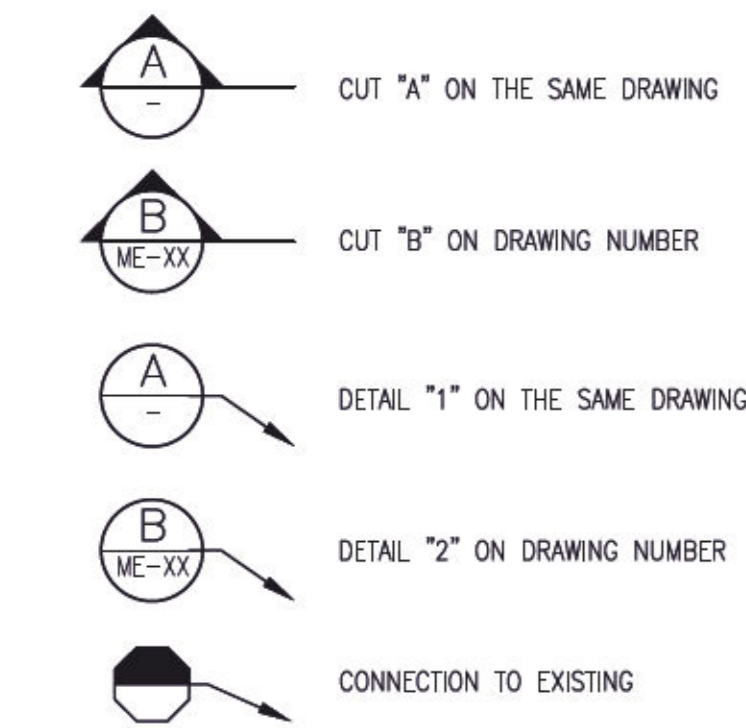
Description:  
**MECHANICAL - GENERAL PORTRAYAL, DRAWINGS LIST**

Project #	Code	Drawing #	Rev.
075-CC47-PR03	DD	ME000	00

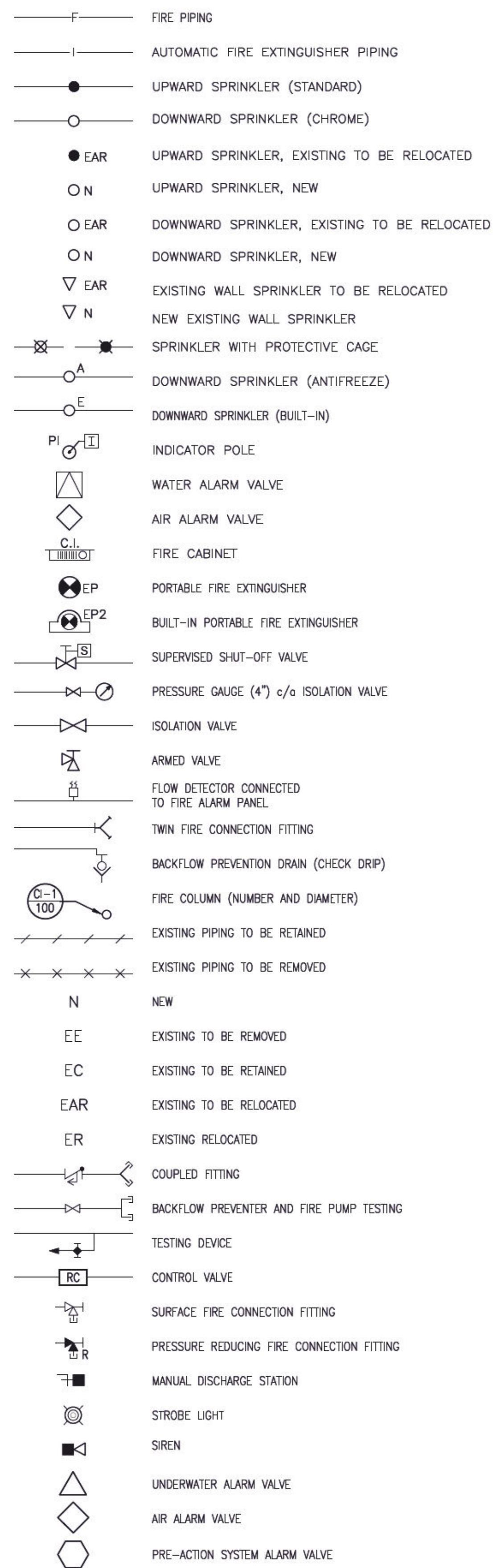


MECHANICAL LEGEND

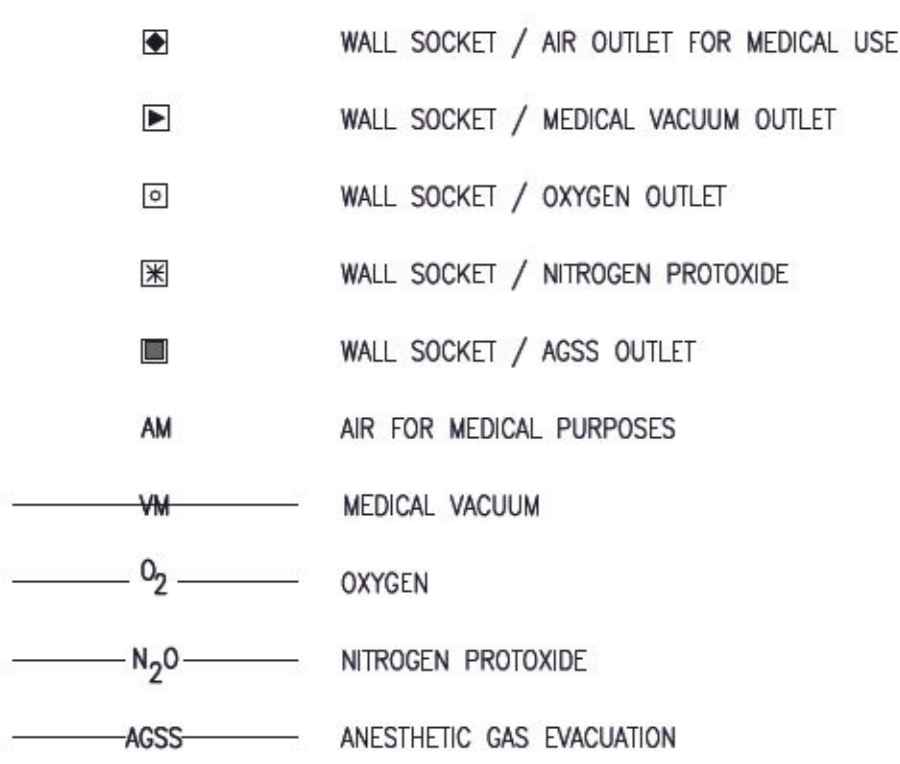
CUTS AND DETAILS



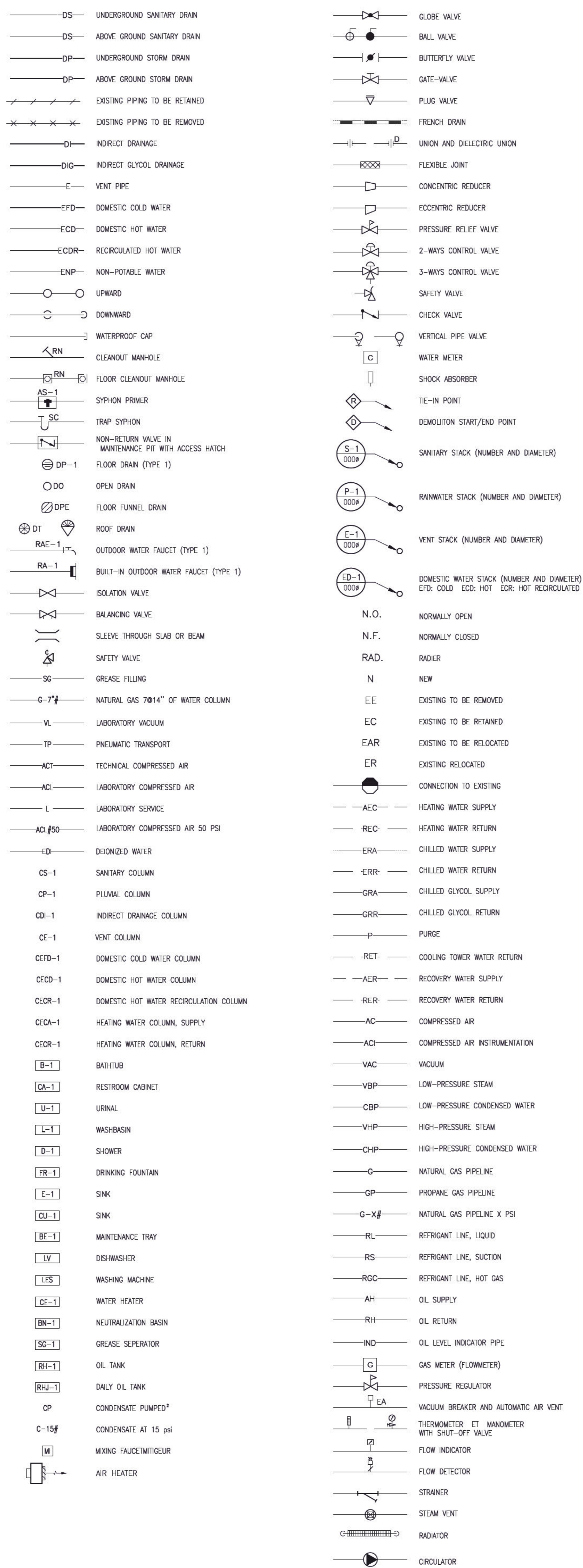
FIRE PROTECTION



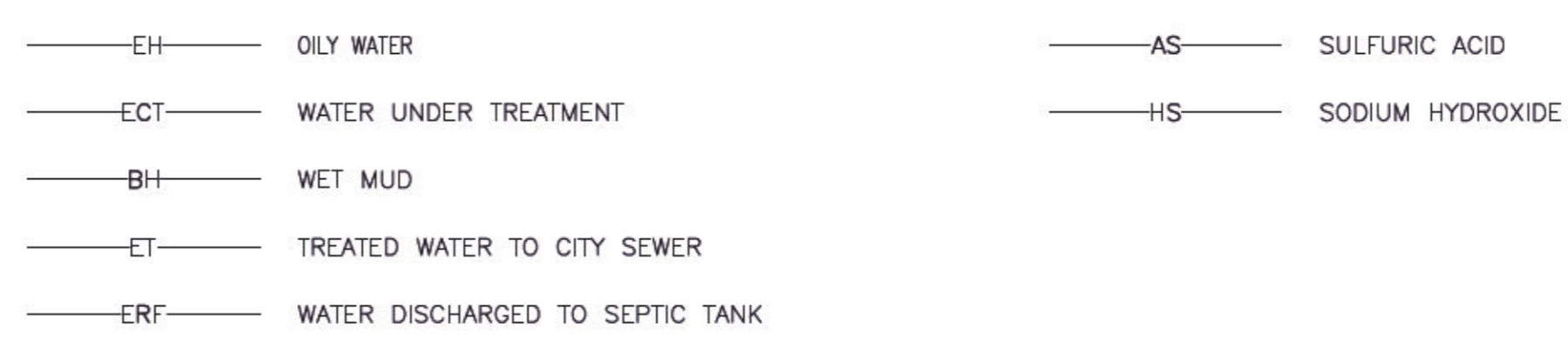
MEDICAL GASES



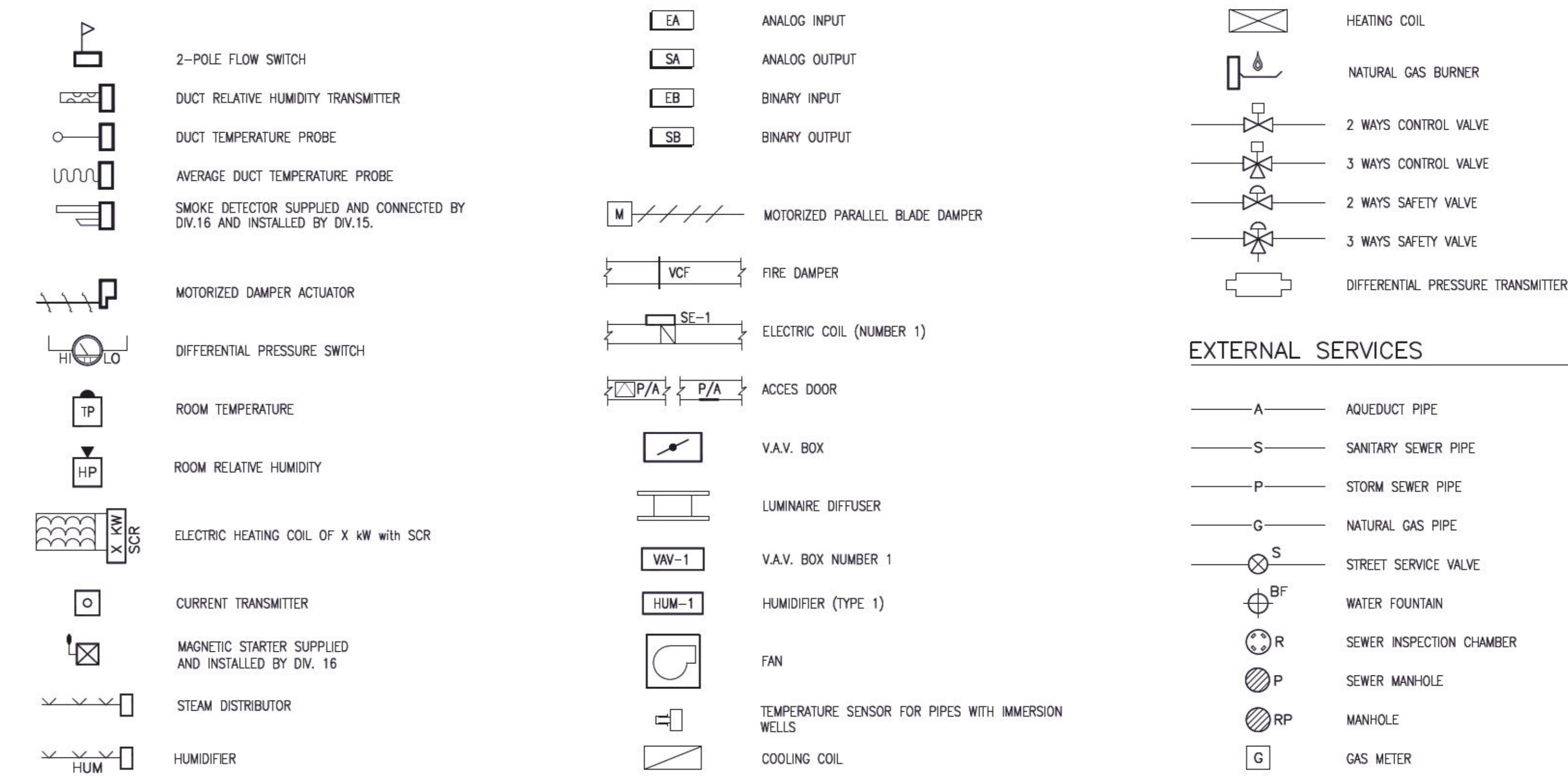
PLUMBING / HEATING



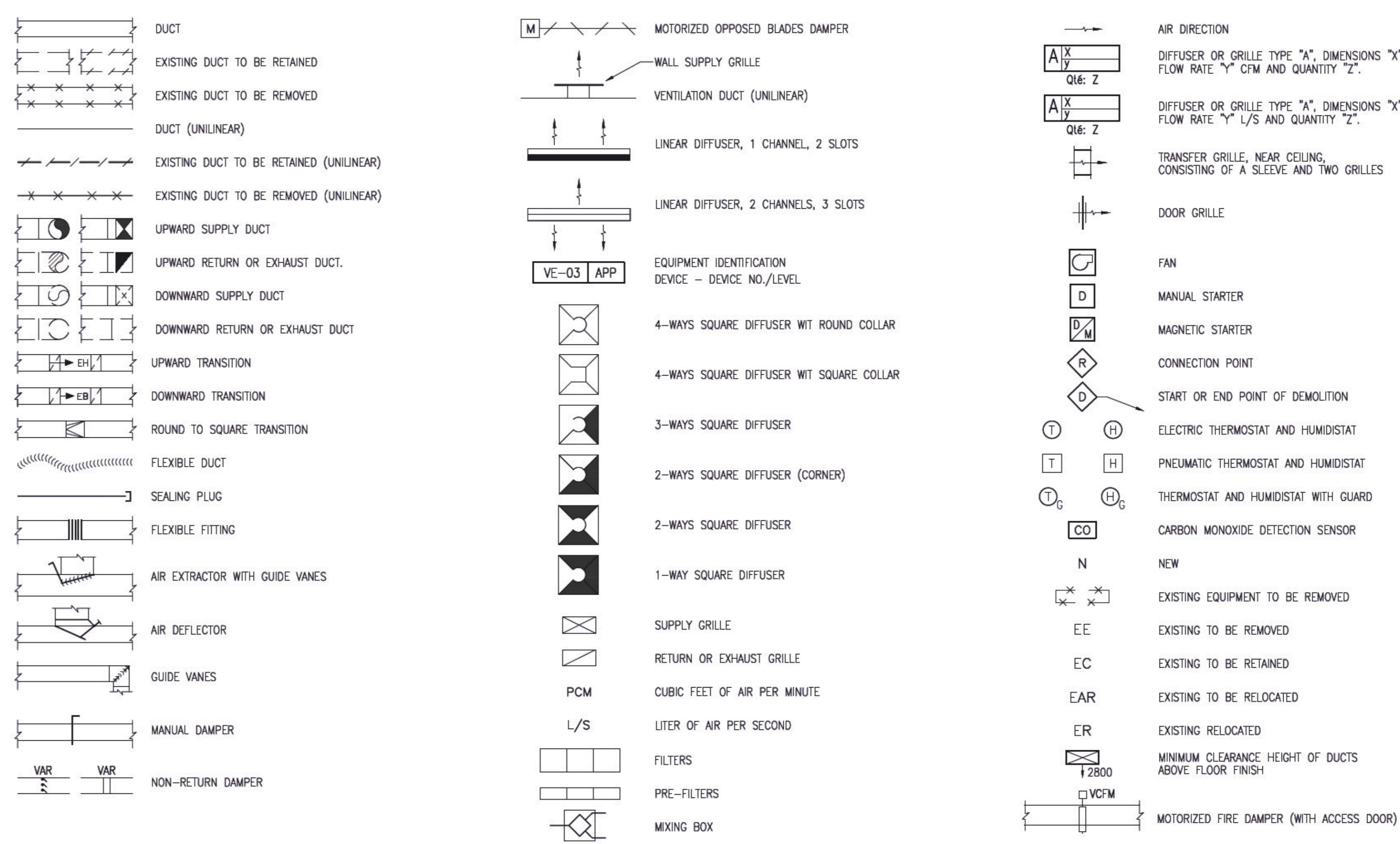
WATER TREATMENT PROCESS



REGULATION

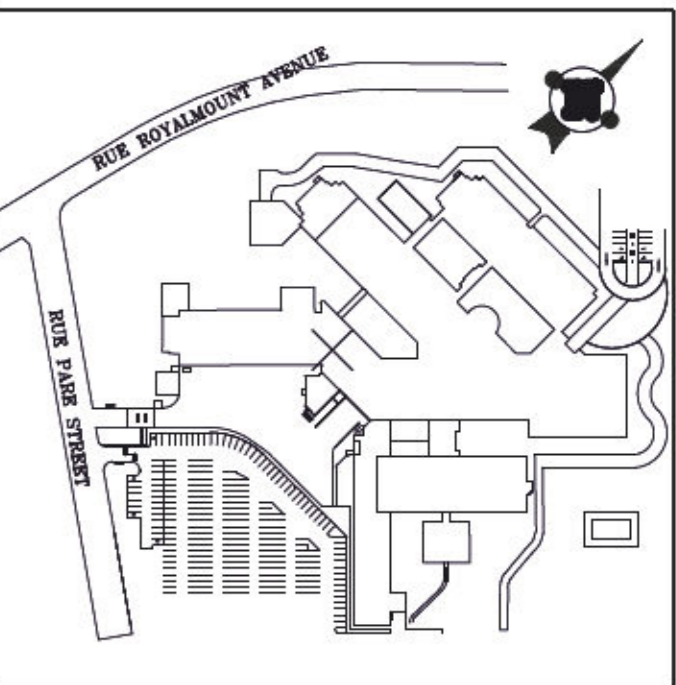


VENTILATION



NOTE

SOME OF THE ELEMENTS SHOWN IN THIS LEGEND MAY NOT APPEAR ON THE PLANS.



Notes:



DO NOT USE FOR CONSTRUCTION

Engineer:

Architect:

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	X.B.
2023-04-18	FOR COMMENTS 50%	E.B.T.	E.R.
2023-01-27	FOR COMMENTS 50%	W.G.	E.R.

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	X.B.
2023-04-18	FOR COMMENTS 50%	E.B.T.	E.R.
2023-01-27	FOR COMMENTS 50%	W.G.	E.R.

Consultant:

Scale: AUCUNE

Prepared by: A.L. Verified by: M.L.D.

Drawn by: E.B.T. Approved by: X.B.

Date: 2023-01-27 Scale: AUCUNE

Client:

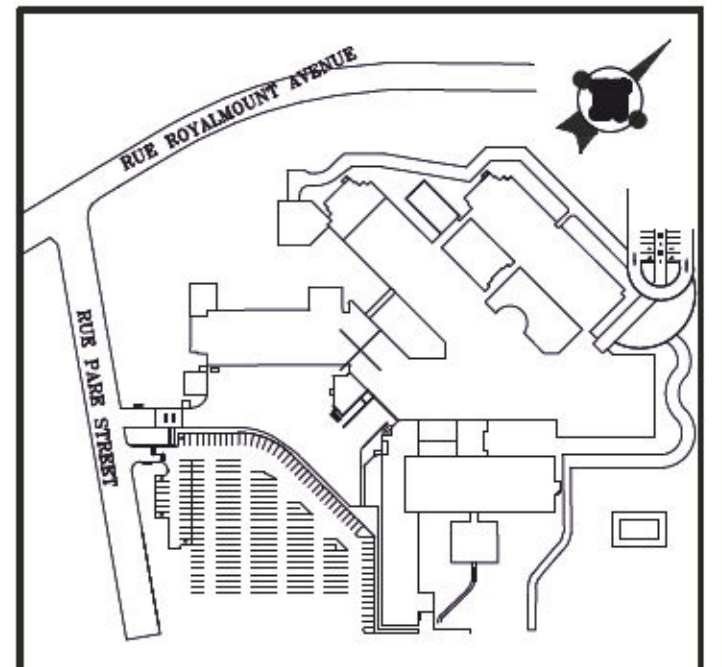
Project:

REPLACEMENT OF MOTORIZED DAMPERS

Description: MECHANICAL - GENERAL MECHANICAL LEGEND

Project #:	Code	Drawing #:	Rev.
075-CC47-PR03	DD	ME001	





Notes:

DO NOT USE FOR CONSTRUCTION

Engineer:

Architect:

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	X.B.
2023-04-14	FOR COMMENTS 90%	E.B.T.	X.B.

Consultant:  

 NEOKA Project Services Inc.  
 535 Sherbrooke St W, suite 1000  
 Montreal, Quebec, H3A 1E4  
 CANADA  
 (514) 382-5718  
<http://www.neoka-services.com>

Seal:  
  
 2023-07-17

Prepared by: A.L.      Verified by: M.L.D.  
 Drawn by: E.B.T.      Approved by: X.B.

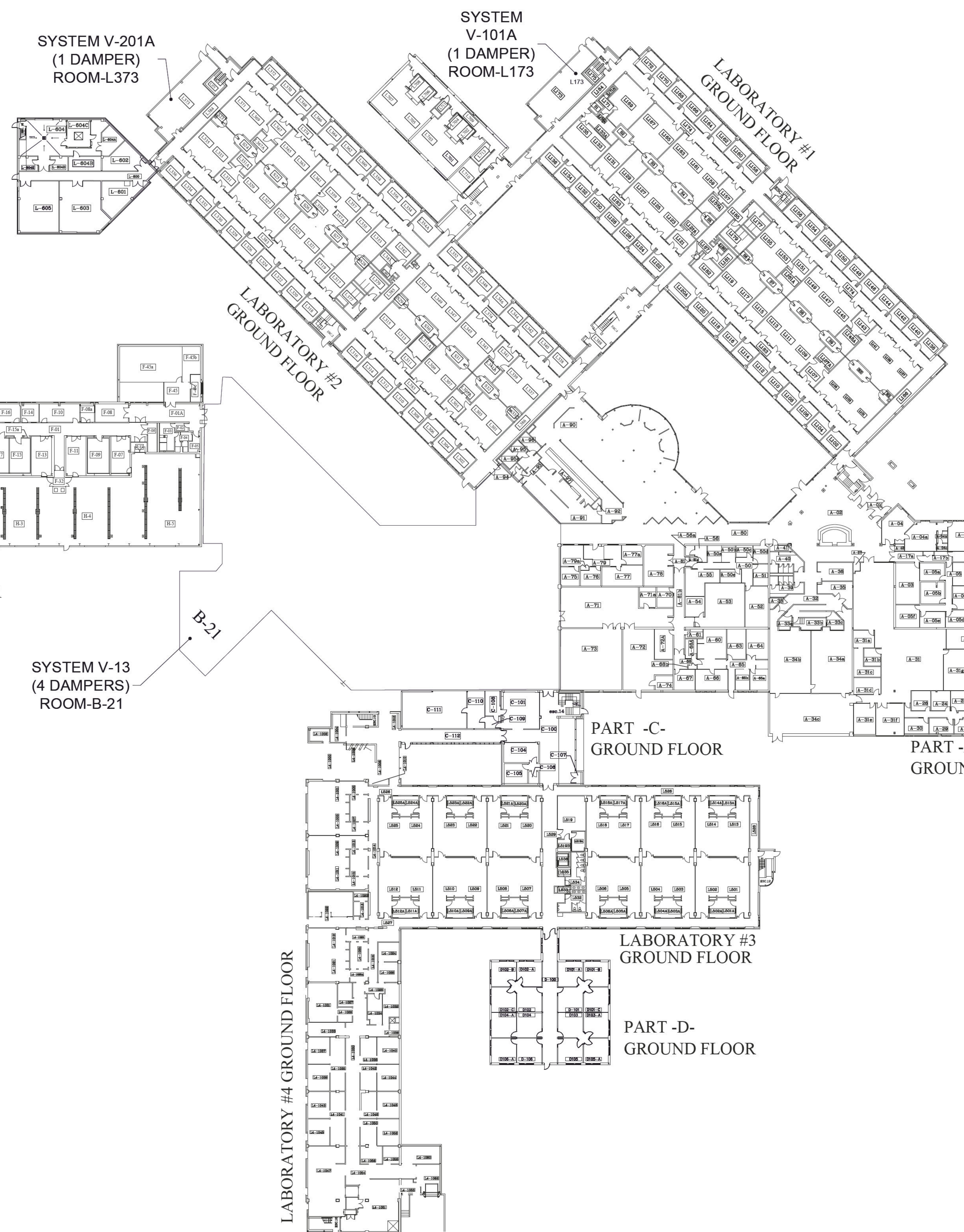
Date: 2023-01-27      Scale: 1:100



Project:  
**REPLACEMENT OF MOTORIZED DAMPERS**

Description:  
**MECHANICAL - VENTILATION DAMPERS LOCATION PLAN GROUND FLOOR**

Project #	Code	Drawing #	Rev.
075-CC47-PR03	DD	ME500	00



LABORATORY BIO-ENVIRONMENT GROUND FLOOR

LABORATORY #5 GROUND FLOOR

BIOPROCESS GROUND FLOOR

PART -C- GROUND FLOOR

PART -A- GROUND FLOOR

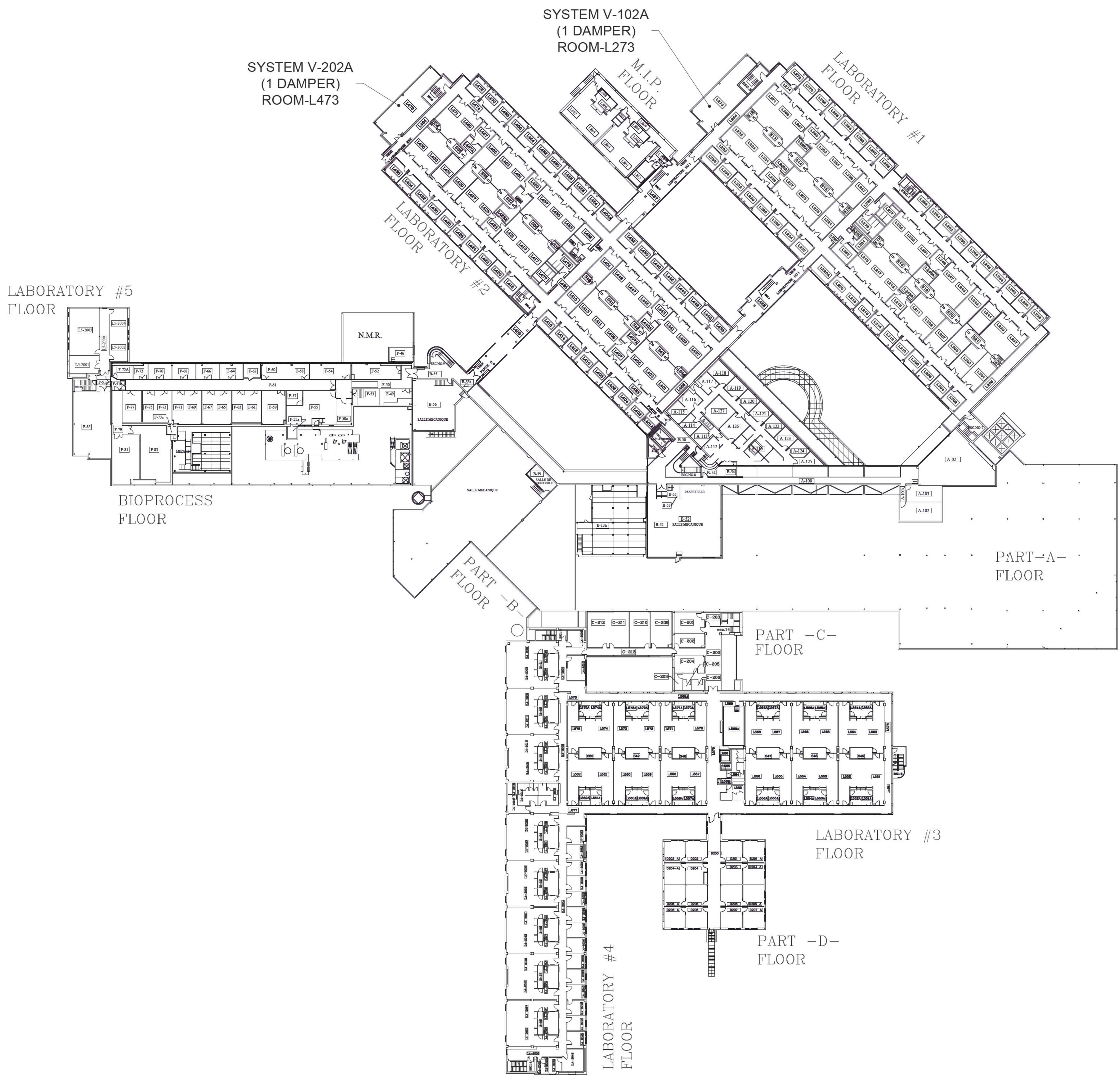
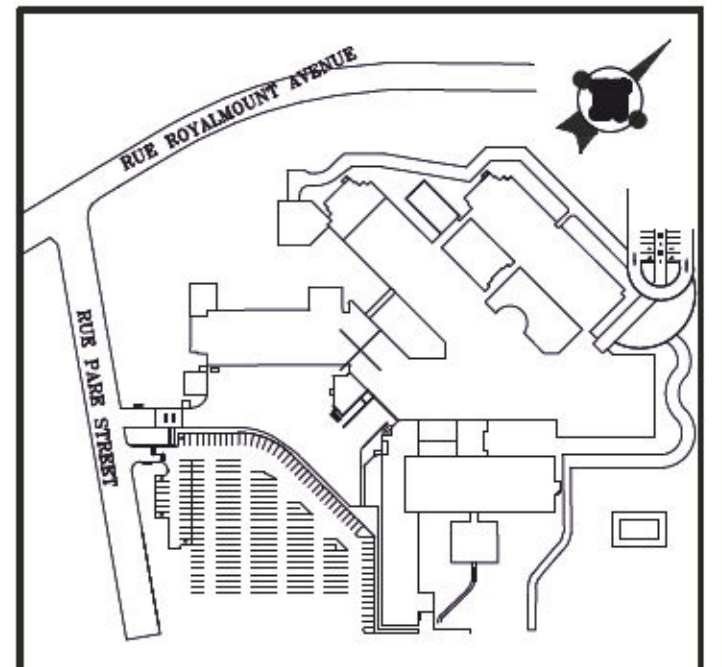
LABORATORY #3 GROUND FLOOR

PART -D- GROUND FLOOR

LABORATORY #4 GROUND FLOOR

LOCATION PLAN - GROUND FLOOR  
 SCALE 1 : 100





SYSTEM V-202A  
(1 DAMPER)  
ROOM-L473

SYSTEM V-102A  
(1 DAMPER)  
ROOM-L273

LOCATION PLAN - LEVEL 1  
SCALE 1 : 100

Notes:

DO NOT USE FOR CONSTRUCTION

Engineer:

Architect:

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	X.B.
2023-04-14	FOR COMMENTS 90%	E.B.T.	X.B.

Consultant:  

 NEOKA Project Services Inc.  
 635 Sherbrooke St W, suite 1000  
 Montreal, Quebec, H3A 1E4  
 CANADA  
 (514) 383-5718  
<http://neoka-services.com>

Seal:  
  
 2023-07-17

Prepared by: A.L.      Verified by: M.L.D.  
 Drawn by: E.B.T.      Approved by: X.B.

Date: 2023-01-27      Scale: 1:100

Client:

Project:  
**REPLACEMENT**  
 OF MOTORIZED DAMPERS

Description:  
**MECHANICAL - VENTILATION**  
 DAMPERS LOCATION PLAN  
 LEVEL 1

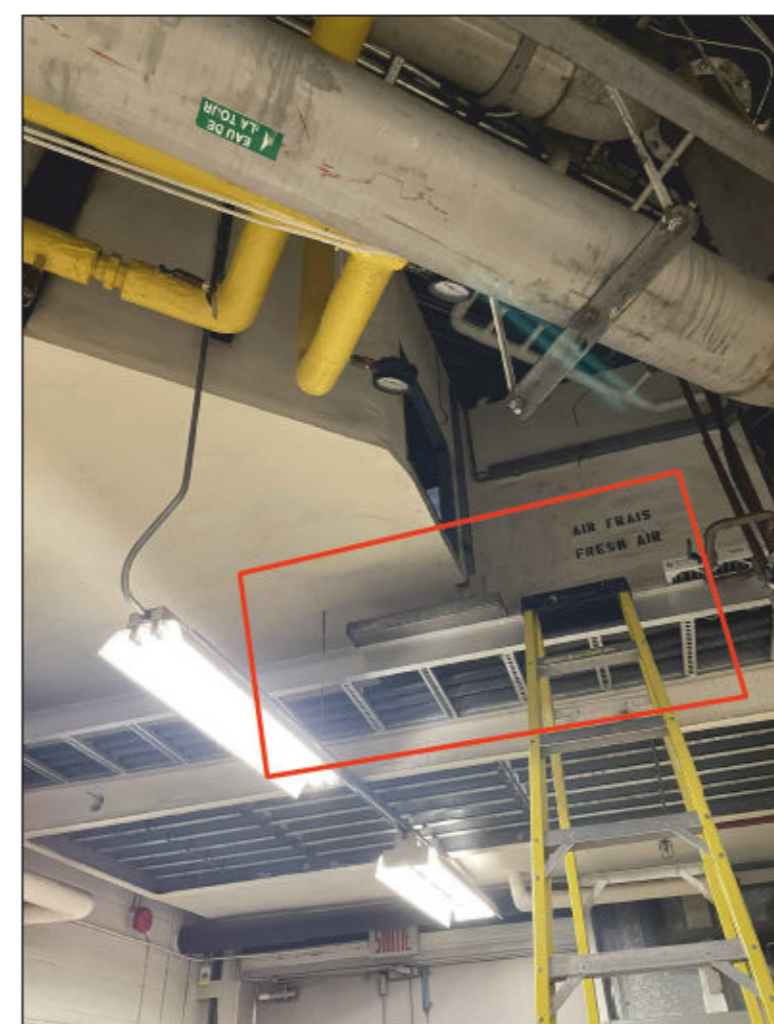
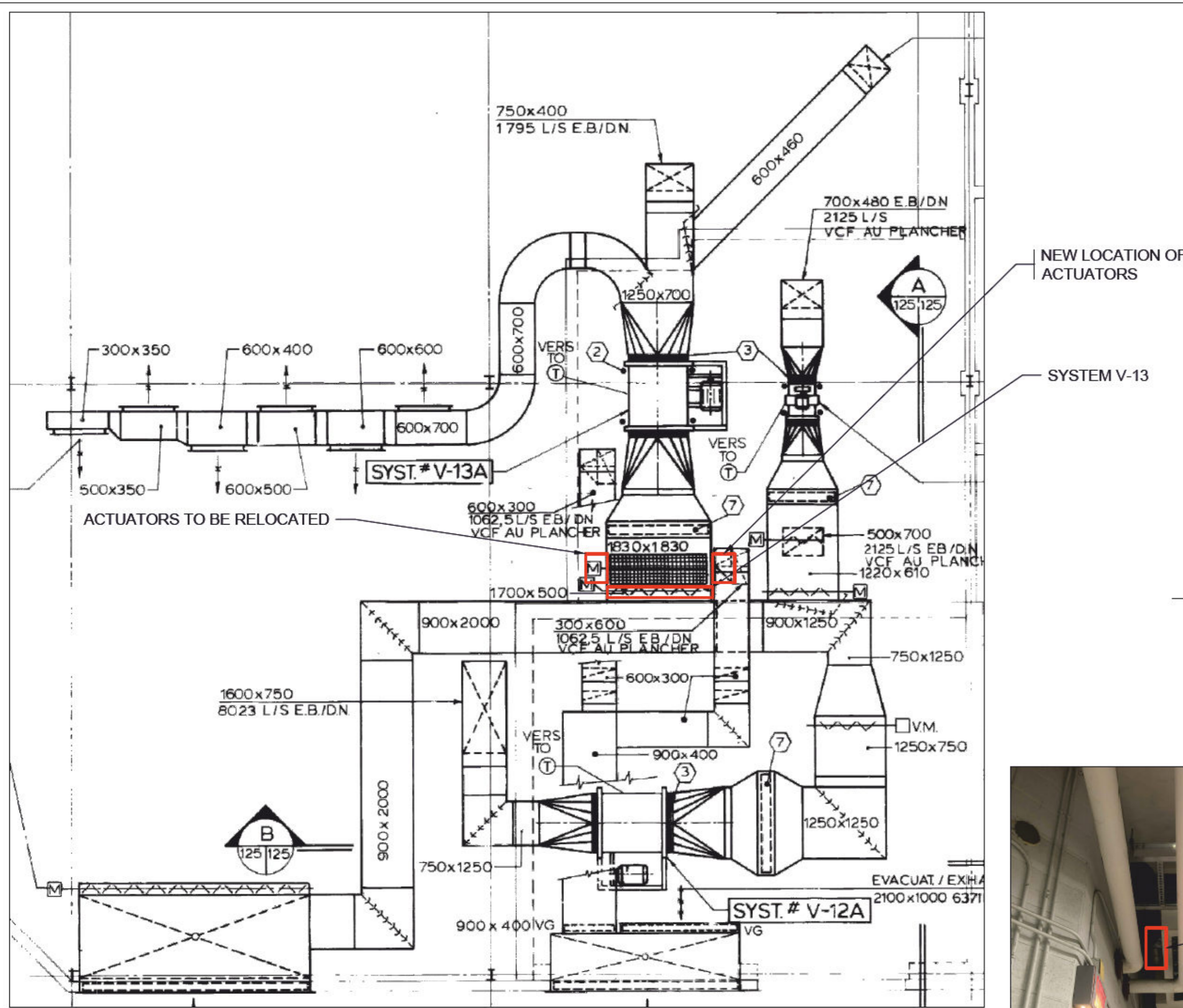
Project #	Code	Drawing #	Rev.
075-CC47-PR03	DD	ME501	00







SYSTEM V-13



LOCATION OF MOTORIZED DAMPERS



LOCATION OF MOTORIZED DAMPERS



RELOCATION OF ACTUATORS LOCATION



RELOCATION OF ACTUATORS LOCATION

GENERAL NOTES

**NOTE REGARDING RELOCATION OF ACTUATORS:**  
 THE PNEUMATIC ACTUATORS TO BE RELOCATED ARE INSTALLED IN A TIGHT SPACE BETWEEN THE PIPELINE AND A WALL. THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE SITE CONDITIONS AND DEVELOPING AN APPROPRIATE PROCEDURE FOR RELOCATING THE ACTUATORS. DURING THE RELOCATION PROCESS, THE CONTRACTOR MUST ADHERE TO THE FOLLOWING REQUIREMENTS:  
 1. ENSURE THAT THE POWER SUPPLY OF THE ACTUATORS IS DISCONNECTED BEFORE ANY INTERVENTION.  
 2. KEEP THE ACTUATORS INTACT AND AVOID DAMAGING THE EQUIPMENT.  
 3. ISOLATE AND CLOSE THE PIPELINE FROM WHICH THE ACTUATORS ARE BEING REMOVED.  
 4. PROVIDE AND INSTALL THE NECESSARY LENGTH OF PIPELINE TO SUPPLY THE ACTUATORS.  
 5. ENSURE THAT THE ACTUATORS ARE REINSTALLED IN A POSITION THAT ALLOWS FOR CONNECTION TO THE DRIVE SHAFTS OF THE NEW DAMPERS.  
 ADJUST THE MECHANISM TO ENSURE PROPER FUNCTIONING DURING STARTUP TESTS AND CHECK FOR ANY AIR LEAKS.

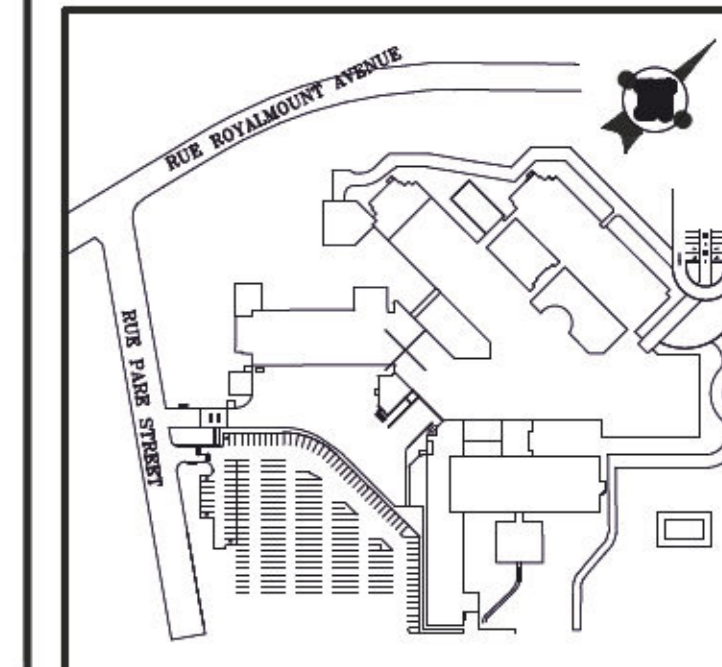
**NOTE REGARDING ACCESSIBILITY:**  
 THE PIPELINE IS LOCATED AT A HEIGHT AND HAS LIMITED ACCESS. THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE SITE CONDITIONS AND TAKING APPROPRIATE MEASURES (SAFETY EQUIPMENT, LIFTING EQUIPMENT, ETC.).

**NOTE REGARDING SPRINKLER SYSTEM:**  
 THE EXISTING SPRINKLER SYSTEM OBSTRUCTS THE WORK AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE FIRE SAFETY COMPANY "VIRKINS PROTECTION INC." TO TEMPORARILY REMOVE THE RELEVANT SPRINKLER NETWORK.

GENERAL NOTE

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:  
 - OPENING DIMENSIONS AND OVERALL DIMENSIONS;  
 - TYPES OF BLADE;  
 - TYPES OF INSTALLATION.

Table of proposed dampers									
System	Associated actuators	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-13-1	M1	1224 x 1207	1225 x 1212	162,6	Horizontal	Opposed	In duct	TAMCO	9000 series
V-13-2	M2	1224 x 1207	1225 x 1212	162,6	Horizontal	Opposed	In duct	TAMCO	9000 series
V-13-3	M3	1224 x 603	1225 x 606	162,6	Horizontal	Opposed	In duct	TAMCO	9000 series
V-13-4	M4	1224 x 603	1225 x 606	162,6	Horizontal	Opposed	In duct	TAMCO	9000 series



Notes:

DO NOT USE FOR CONSTRUCTION

Engineer:

Architect:

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	E.B.
2023-04-14	FOR COMMENTS 90%	E.B.T.	E.B.

Consultant:

Seal:

Prepared by: A.L. Verified by: M.L.D.  
 Drawn by: E.B.T. Approved by: X.B.  
 Date: 2023-01-27 Scale: NONE

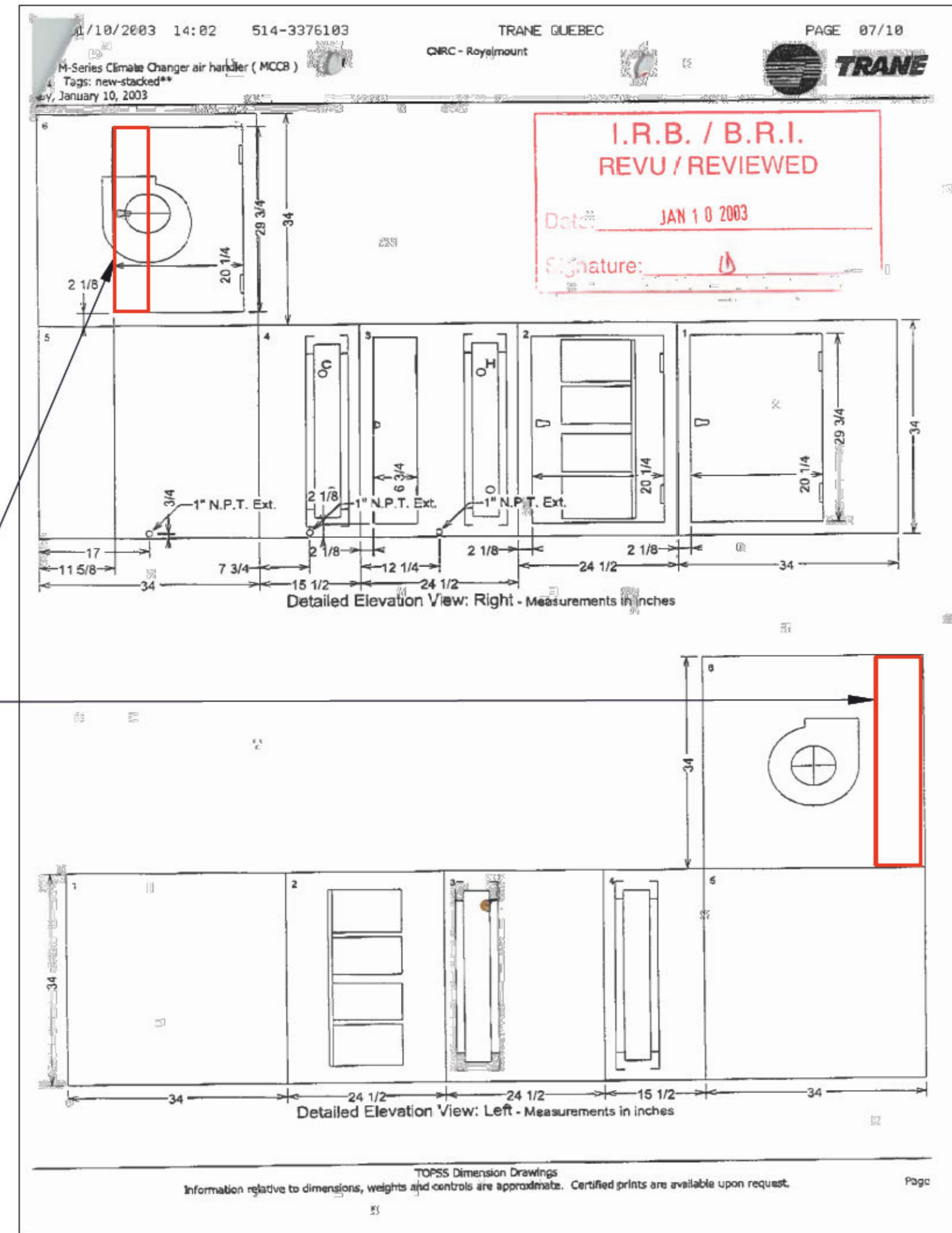


Project: **REPLACEMENT OF MOTORIZED DAMPERS**

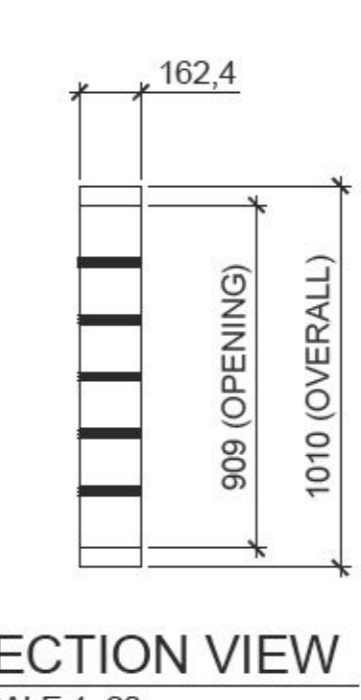
Description: **MECHANICAL - VENTILATION DETAILS 1/6**

Project #: 075-CC47-PR03 Code: DD Drawing #: ME570 Rev: 00

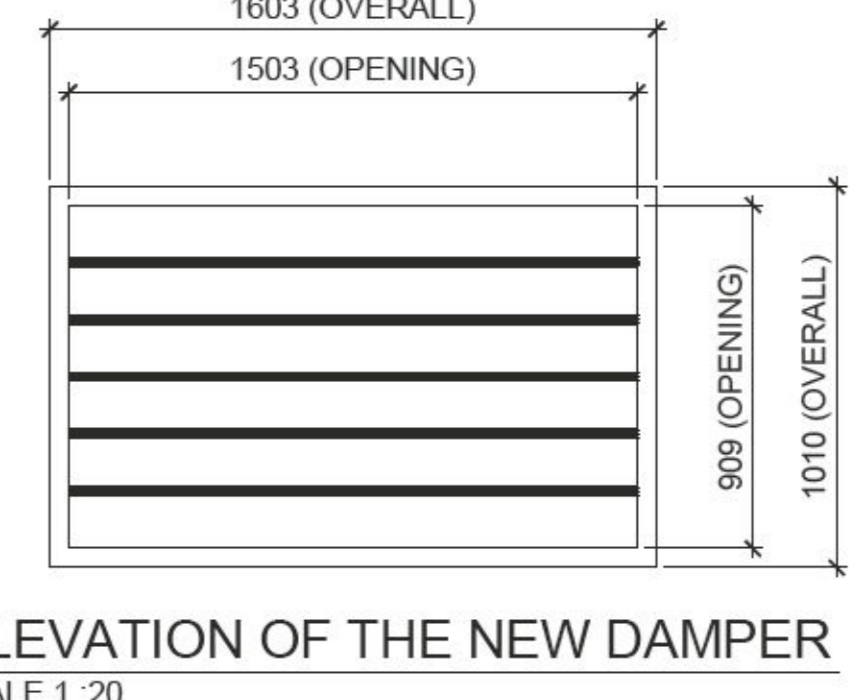
SYSTEM V-36



LOCATION OF MOTORIZED DAMPER



SECTION VIEW SCALE 1:20



ELEVATION OF THE NEW DAMPER SCALE 1:20

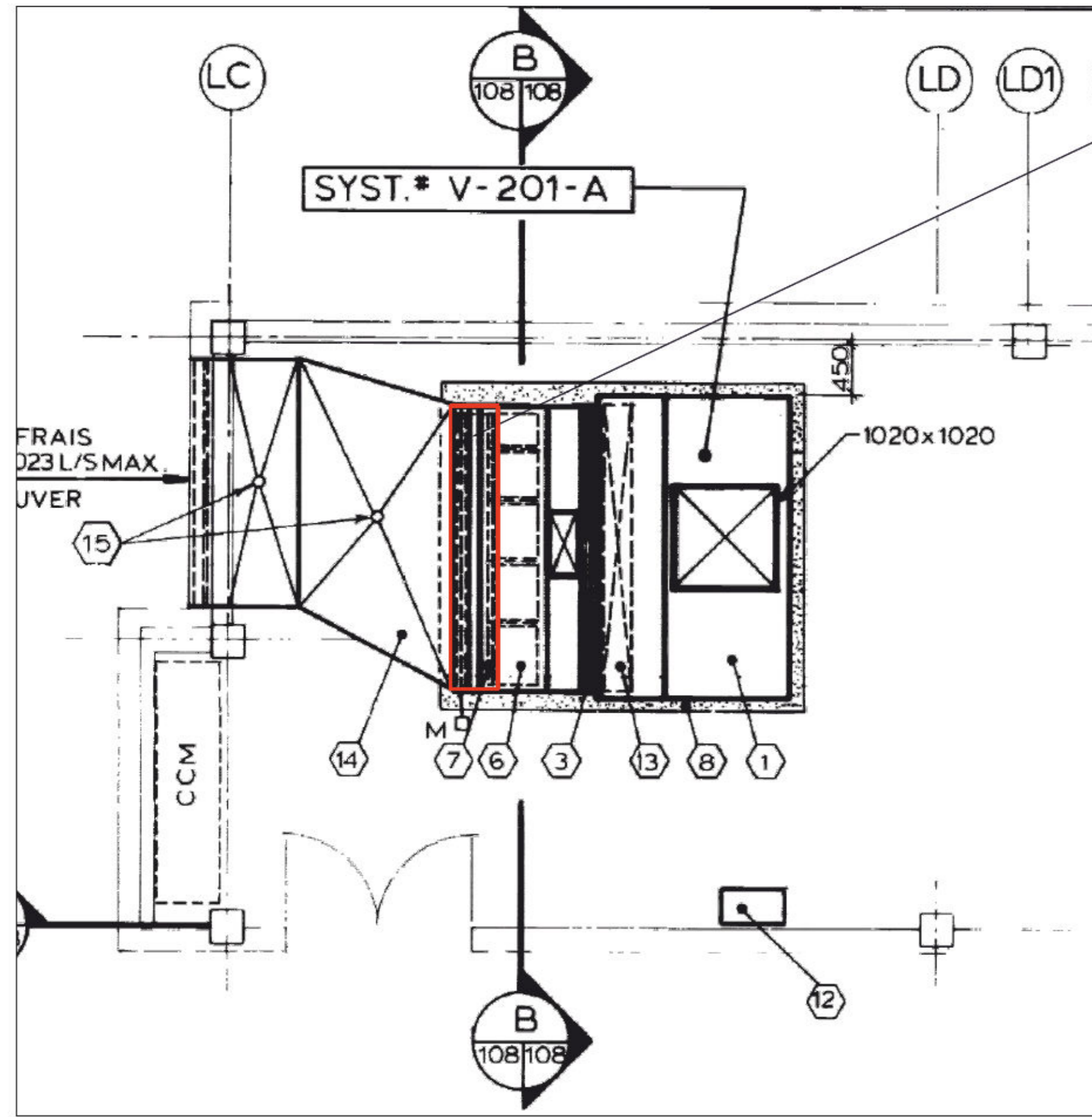
GENERAL NOTE

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:  
 - OPENING DIMENSIONS AND OVERALL DIMENSIONS;  
 - TYPES OF BLADE;  
 - TYPES OF INSTALLATION.

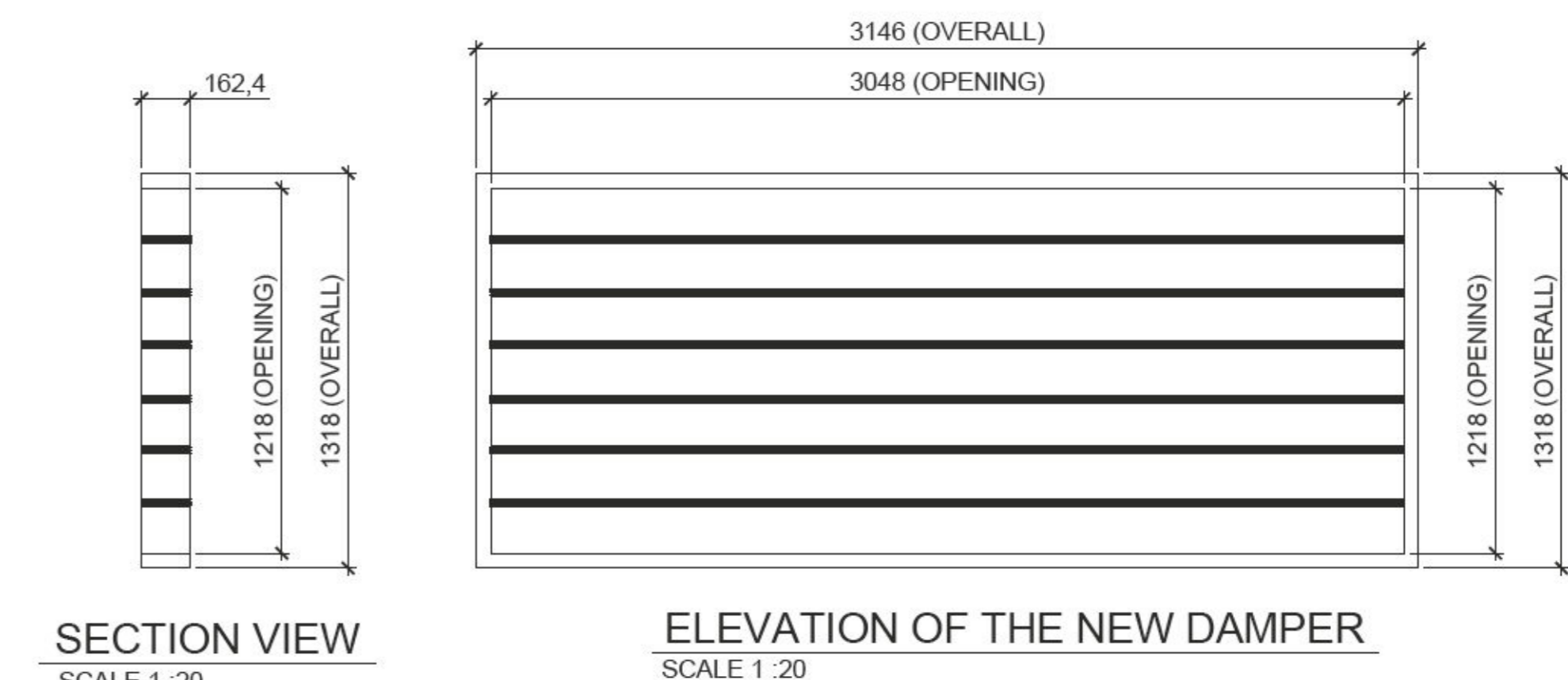
Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-36	1503 x 909	1603 x 1010	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series



SYSTEM V-201A

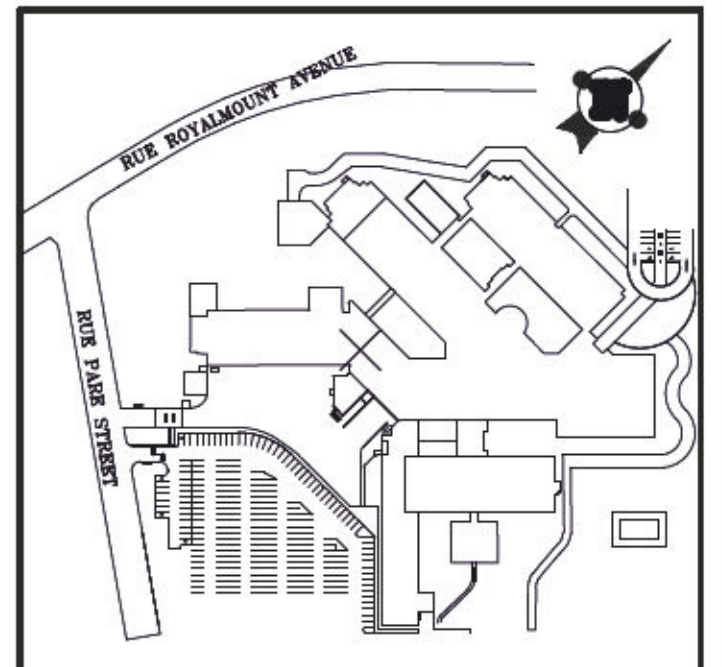


LOCATION OF MOTORIZED DAMPER



**GENERAL NOTE**  
 THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:  
 - OPENING DIMENSIONS AND OVERALL DIMENSIONS.  
 - TYPES OF BLADES.  
 - TYPES OF INSTALLATION.

Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-201A	3046 x 1218	3146 x 1318	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series



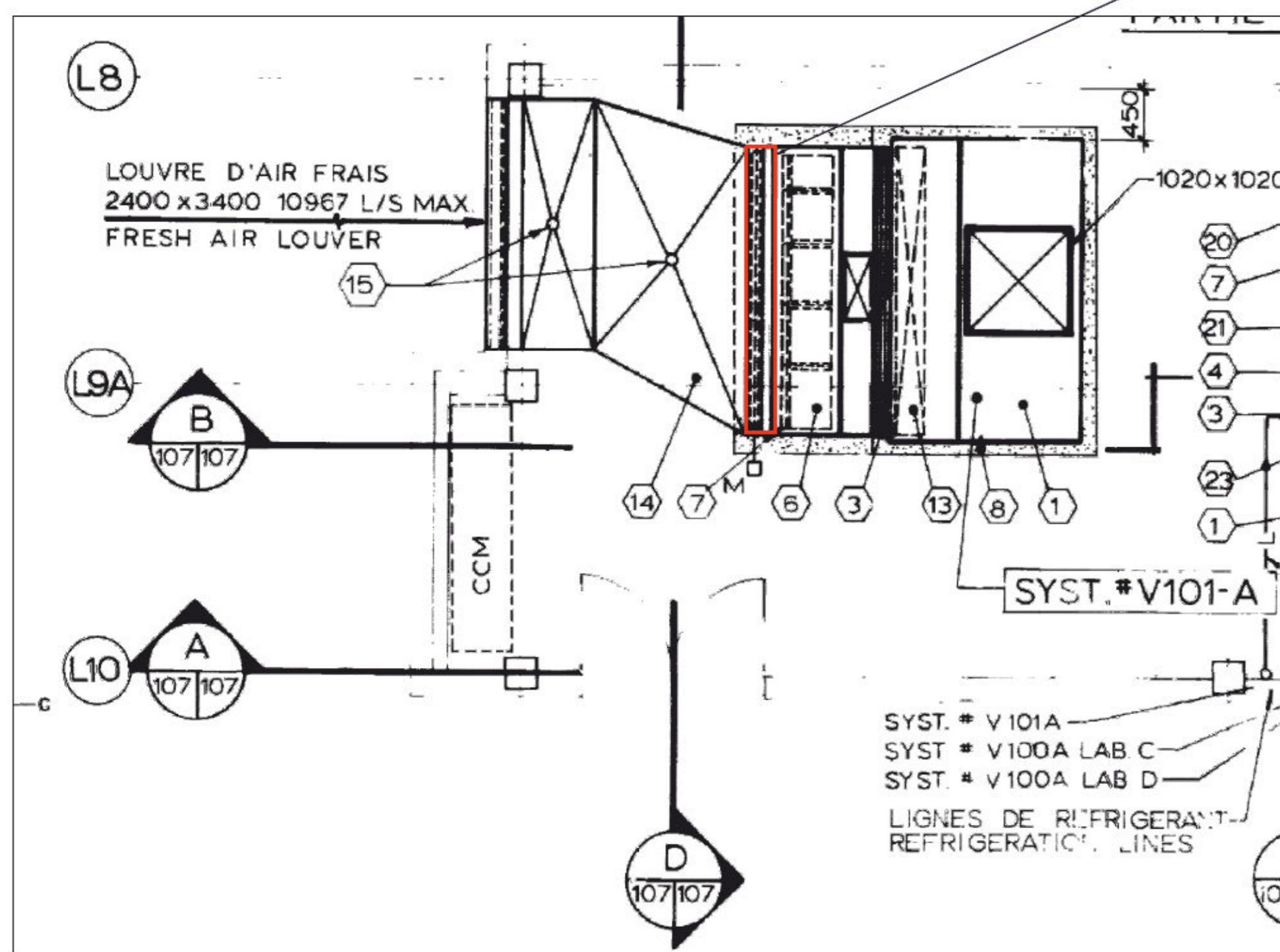
Notes:

**DO NOT USE FOR CONSTRUCTION**

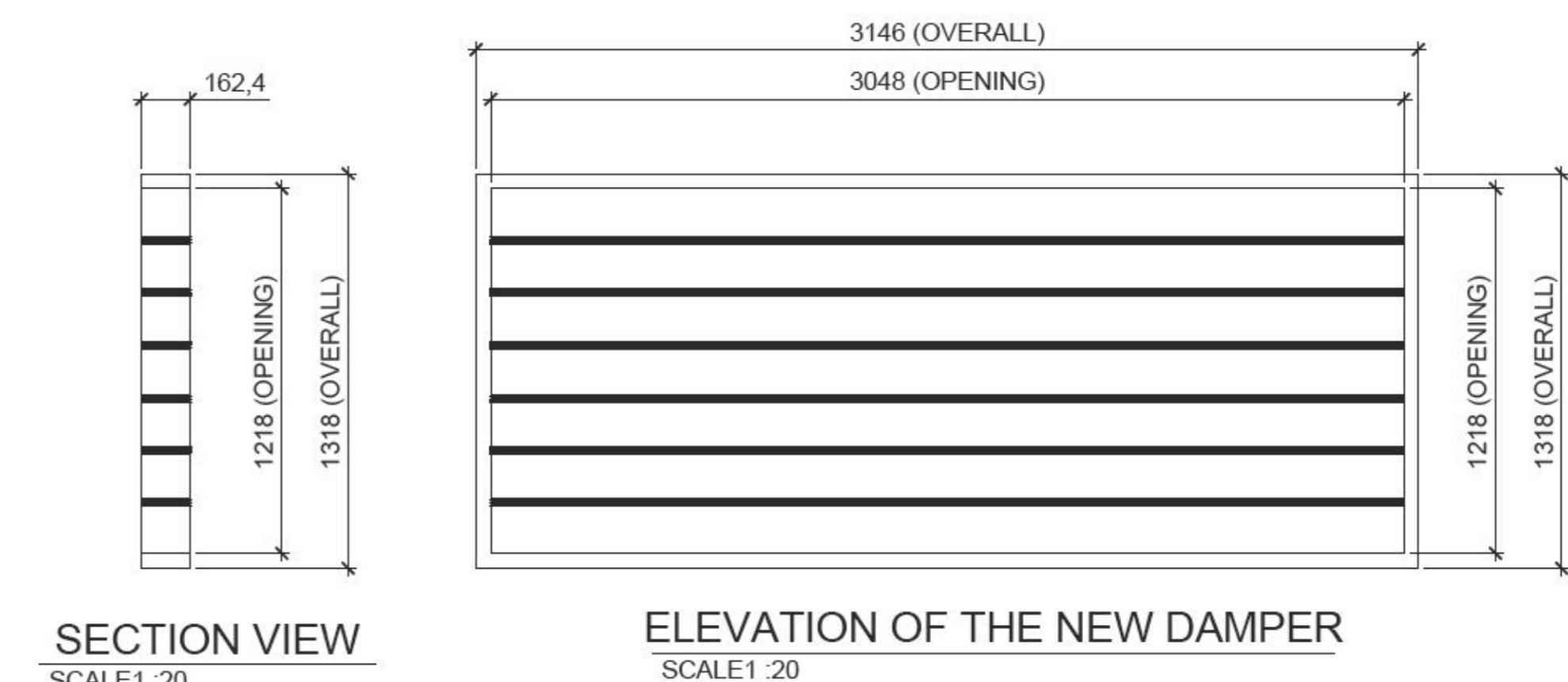
Engineer:

Architect:

SYSTEM V-101A



LOCATION OF MOTORIZED DAMPER



**GENERAL NOTE**  
 THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:  
 - OPENING DIMENSIONS AND OVERALL DIMENSIONS.  
 - TYPES OF BLADES.  
 - TYPES OF INSTALLATION.

Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-101A	3046 x 1218	3146 x 1318	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series

Consultant:

**NEOKA**  
 Project Services Inc.  
 635 Sherbrooke St W, suite 1000  
 Montreal, Quebec, H3A 1E4  
 CANADA  
 (514) 382-5718  
 http://neoka-services.com

Seal:

2023-07-17

Prepared by: A.L. Verified by: M.L.D.  
 Drawn by: É.B.T. Approved by: X.B.  
 Date: 2023-01-27 Scale: NONE

Client:

**CRC-ARC**

Project:

**REPLACEMENT OF MOTORIZED DAMPERS**

Description:  
**MECHANICAL - VENTILATION DETAILS 2/6**

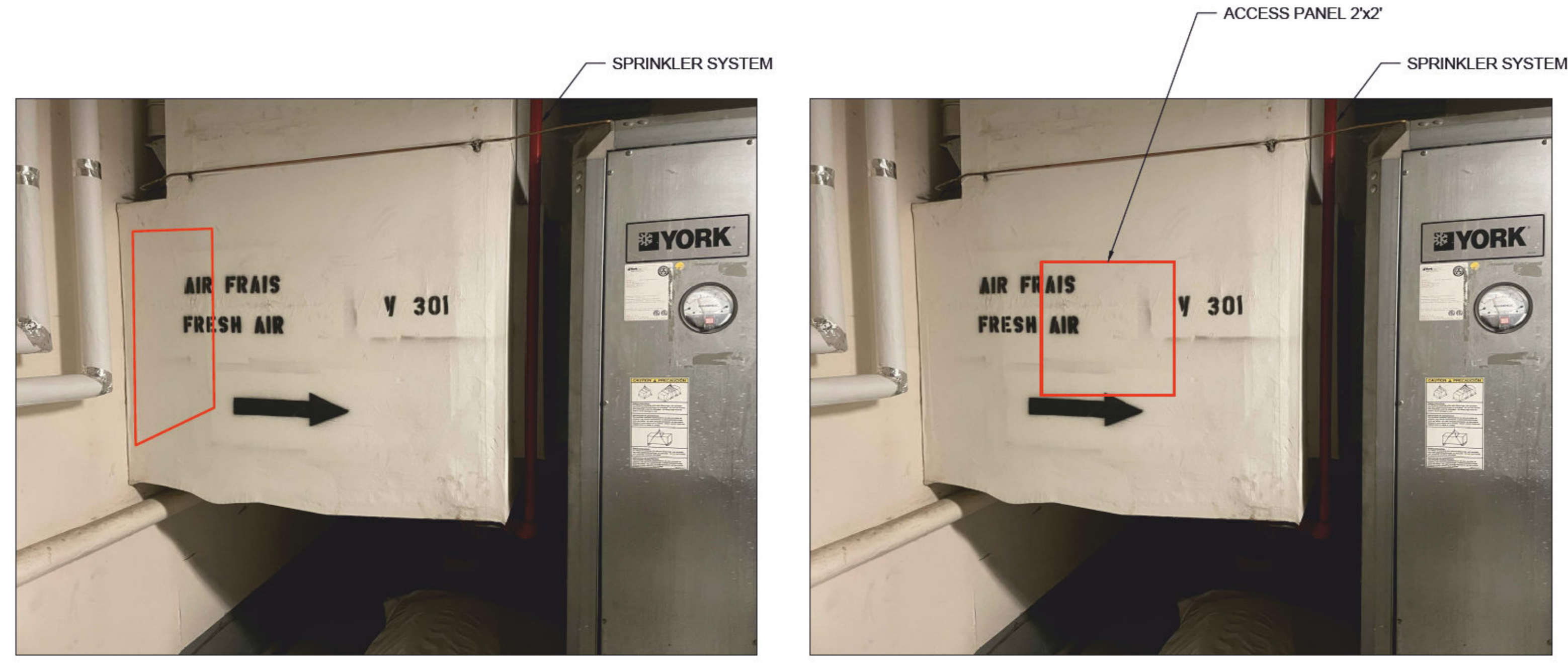
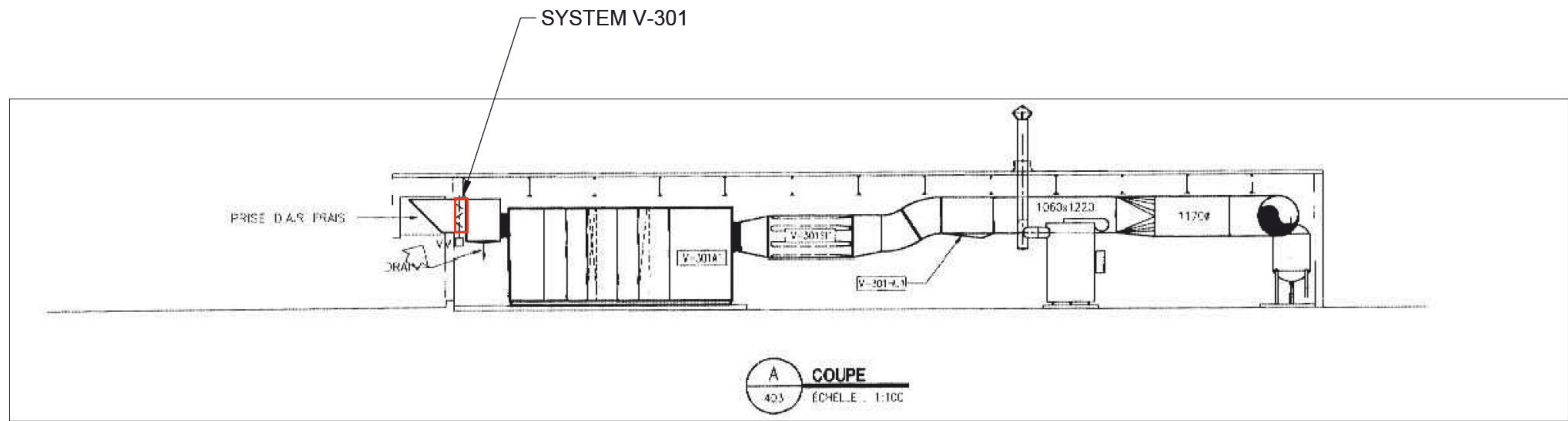
Project #: 075-CC47-PR03 Code: DD Drawing #: ME571 Rev: 00







SYSTEM V-301



LOCATION OF MOTORIZED DAMPER

LOCATION OF FUTURE ACCESS PANEL 2'x2'

**GENERAL NOTE**

**NOTE REGARDING ACCESS PANELS:**  
THE INSTRUCTIONS FOR THE PLACEMENT OF THE NEW ACCESS PANELS ARE PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE CONDITIONS AT THE SITE. THE CONTRACTOR MUST PROCEED WHILE ADHERING TO THE FOLLOWING REQUIREMENTS:  
1. ENSURE THE TIGHTNESS OF THE INSTALLATION.  
2. RETRACE AND REWRITE THE INSTRUCTIONS IN BLACK STENCIL ON THE DUCTS (AIR FRAIS / FRESH AIR / V 301 / DIRECTIONAL ARROW) IF THEY BECOME ILLEGIBLE AFTER THE INSTALLATION OF THE ACCESS PANEL.

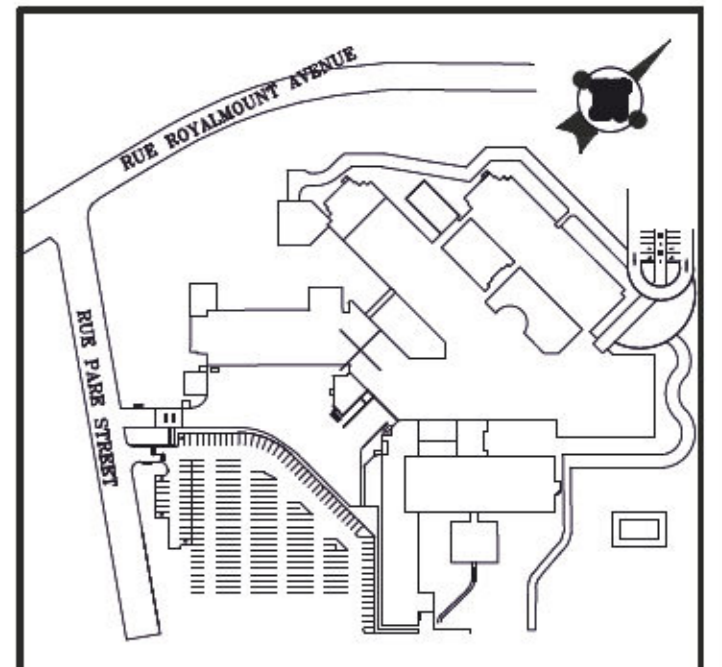
THE ACCESS PANELS MUST MEET THE FOLLOWING CRITERIA:  
1. SQUARE OPENING WITH DIMENSIONS OF 2' x 2', AS SPECIFIED BY SMACNA STANDARDS.  
2. MATERIAL: SAME MATERIAL AS THE PIPELINE.

**NOTE REGARDING SPRINKLER SYSTEM:**  
THE EXISTING SPRINKLER SYSTEM OBSTRUCTS THE WORK AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE FIRE SAFETY COMPANY 'YORKS PROTECTION INCENDIE INC' TO TEMPORARILY REMOVE THE RELEVANT SPRINKLER NETWORK.

**GENERAL NOTE**

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:  
- OPENING DIMENSIONS AND OVERALL DIMENSIONS,  
- TYPES OF BLADE,  
- TYPES OF INSTALLATION.

Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-301	2640 x 1025	2740 x 1124	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series



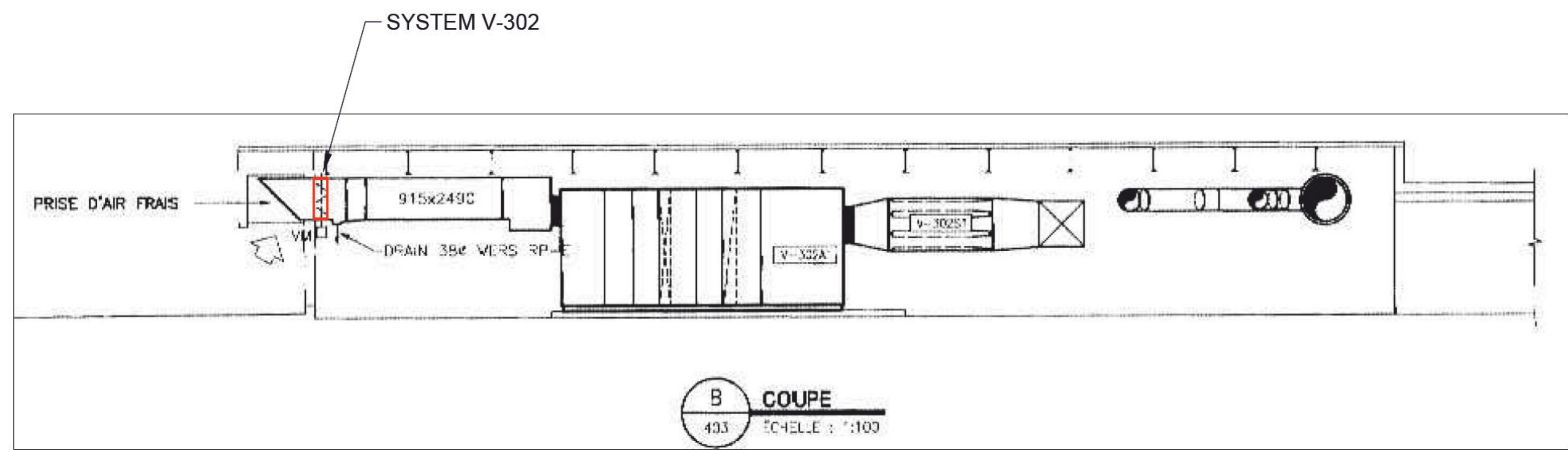
Notes:

DO NOT USE FOR CONSTRUCTION

Engineer:

Architect:

SYSTEM V-302



LOCATION OF MOTORIZED DAMPER

LOCATION OF FUTURE ACCESS PANEL 2'x2'

**GENERAL NOTE**

**NOTE REGARDING ACCESS PANELS:**  
THE INSTRUCTIONS FOR THE PLACEMENT OF THE NEW ACCESS PANELS ARE PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE CONDITIONS AT THE SITE. THE CONTRACTOR MUST PROCEED WHILE ADHERING TO THE FOLLOWING REQUIREMENTS:  
1. ENSURE THE TIGHTNESS OF THE INSTALLATION.  
2. RETRACE AND REWRITE THE INSTRUCTIONS IN BLACK STENCIL ON THE DUCTS (AIR FRAIS / FRESH AIR / V 301 / DIRECTIONAL ARROW) IF THEY BECOME ILLEGIBLE AFTER THE INSTALLATION OF THE ACCESS PANEL.

THE ACCESS PANELS MUST MEET THE FOLLOWING CRITERIA:  
1. SQUARE OPENING WITH DIMENSIONS OF 2' x 2', AS SPECIFIED BY SMACNA STANDARDS.  
2. MATERIAL: SAME MATERIAL AS THE PIPELINE.

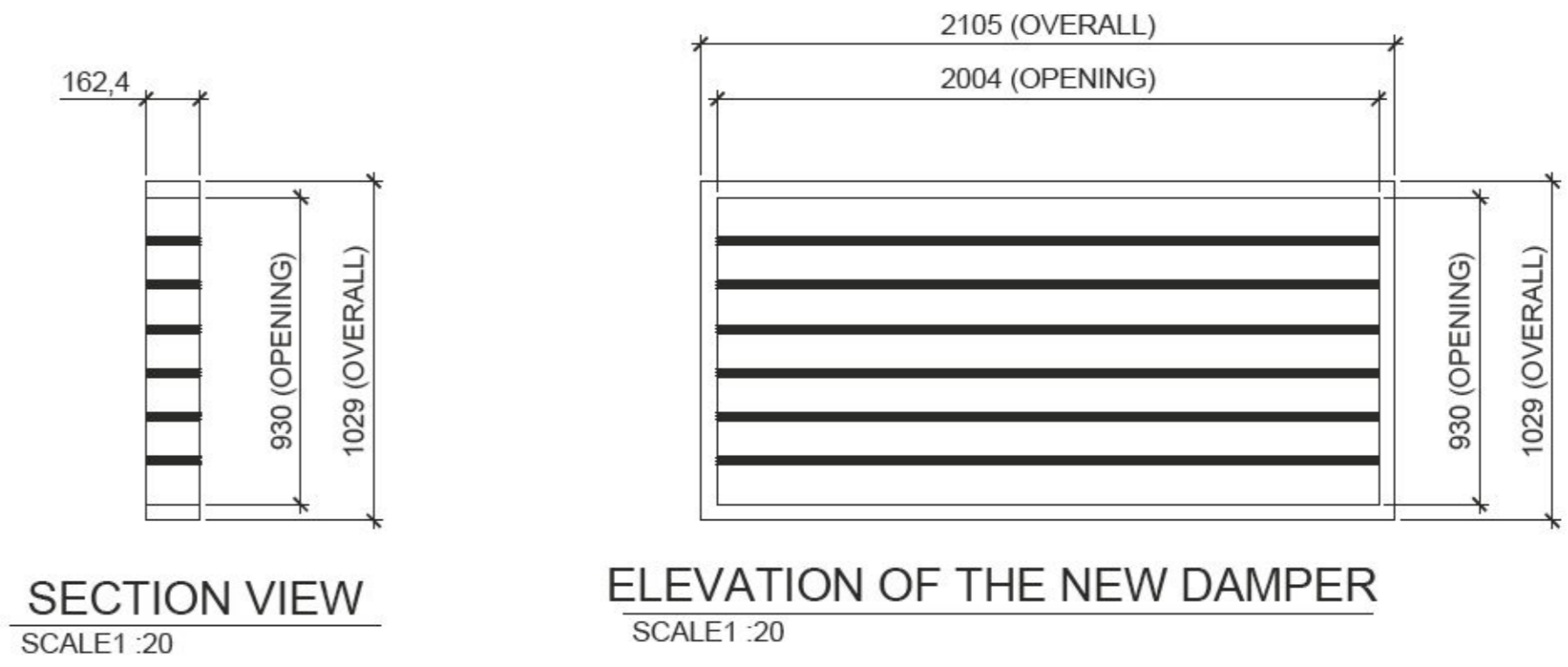
**NOTE REGARDING ACCESSIBILITY:**  
THE PIPELINE IS LOCATED AT A HEIGHT AND HAS LIMITED ACCESS. THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE SITE CONDITIONS AND TAKING APPROPRIATE MEASURES (SAFETY EQUIPMENT, LIFTING PLATFORM, ETC.).

**NOTE REGARDING SPRINKLER SYSTEM:**  
THE EXISTING SPRINKLER SYSTEM OBSTRUCTS THE WORK AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE FIRE SAFETY COMPANY 'YORKS PROTECTION INCENDIE INC' TO TEMPORARILY REMOVE THE RELEVANT SPRINKLER NETWORK.

**GENERAL NOTE**

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:  
- OPENING DIMENSIONS AND OVERALL DIMENSIONS,  
- TYPES OF BLADE,  
- TYPES OF INSTALLATION.

Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-302	2004 x 930	2105 x 1029	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series



Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	E.R.
2023-04-14	FOR COMMENTS 90%	E.B.T.	E.R.

Consultant:

**NEOKA**  
Project Services Inc.  
630 Sherbrooke St W, suite 1000  
Montreal, Quebec, H3A 1E4  
CANADA  
(514) 382-5718  
https://neoka-services.com

Seal:

2023-07-17

Prepared by: A.L. Verified by: M.L.D.  
Drawn by: E.B.T. Approved by: X.B.  
Date: 2023-01-27 Scale: NONE

Client:

**CRC-ARC**

Project:

**REPLACEMENT OF MOTORIZED DAMPERS**

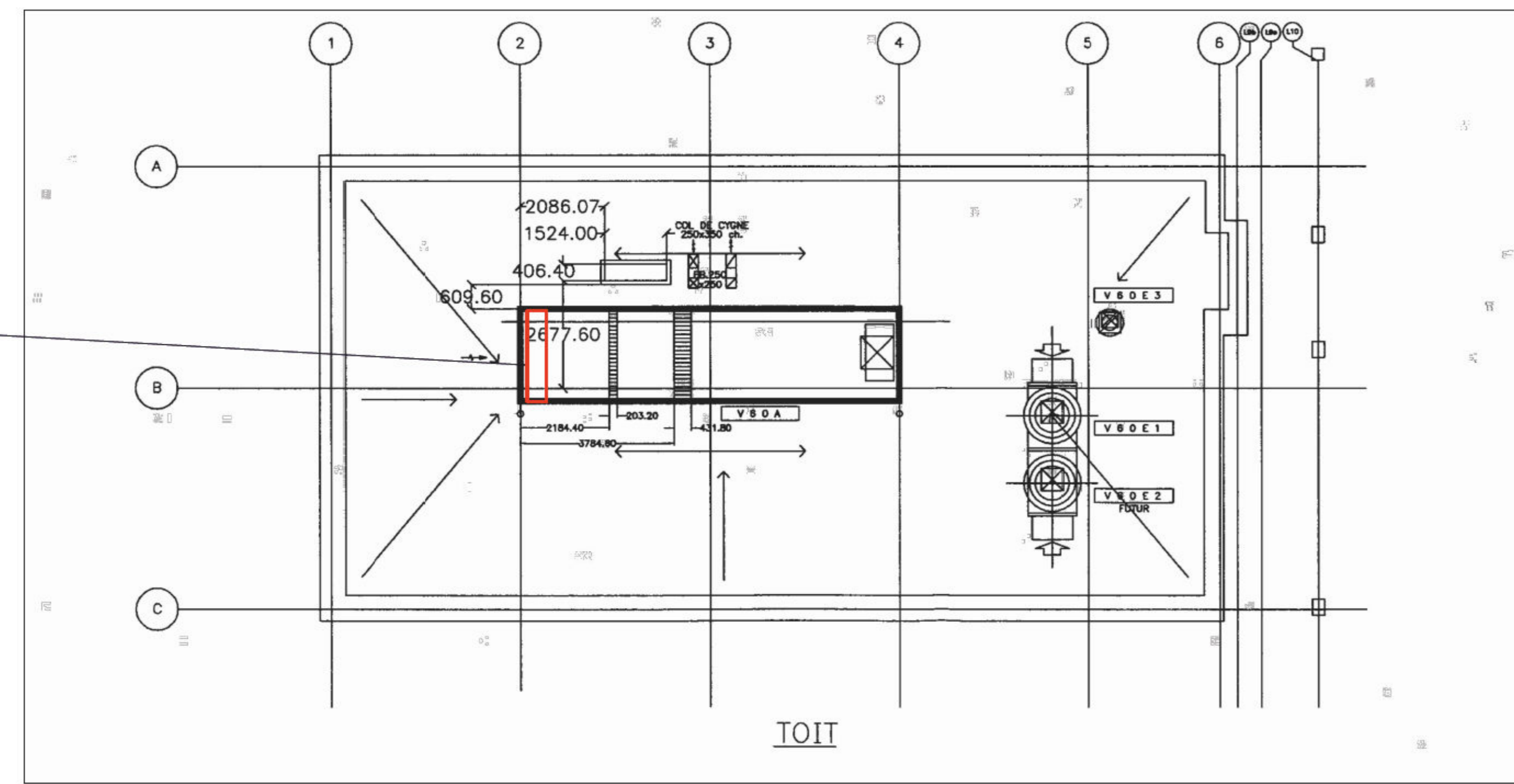
Description:  
**MECHANICAL - VENTILATION DETAILS 4/6**

Project #: 075-CC47-PR03 Code: DD Drawing #: ME573 Rev:



SYSTEM MUP-60A

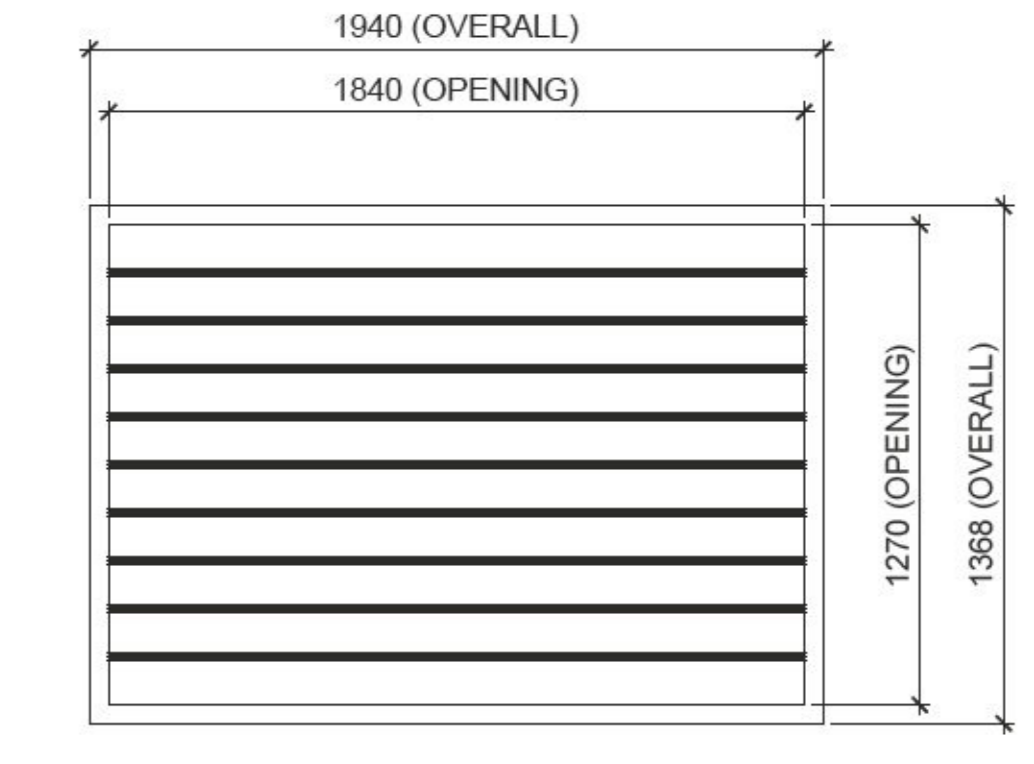
SYSTEM MUP-60A



LOCATION OF MOTORIZED DAMPER



SECTION VIEW  
SCALE 1 : 20



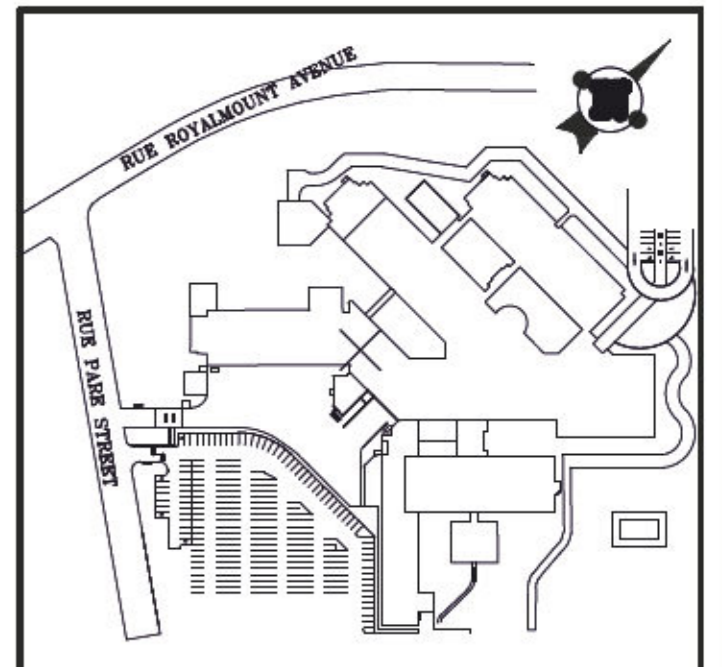
ELEVATION OF THE NEW DAMPER  
SCALE 1 : 20

GENERAL NOTE

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:

- OPENING DIMENSIONS AND OVERALL DIMENSIONS.
- TYPES OF BLADE.
- TYPES OF INSTALLATION.

Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
MUP-60A	1840 x 1270	1940 x 1368	162,6	Horizontal	Parallel	Extended rear flange	TAMCO	9000 series



Notes:

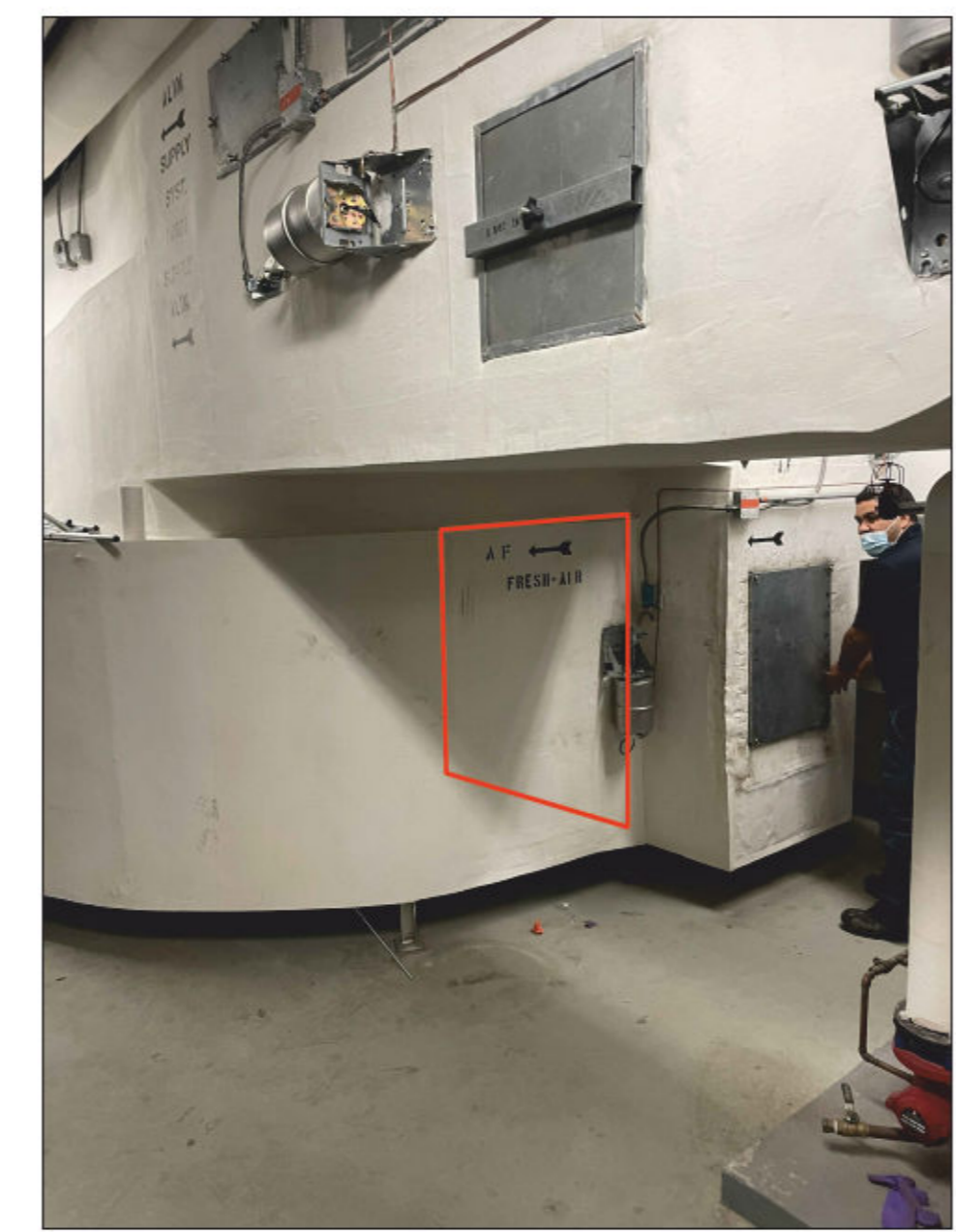
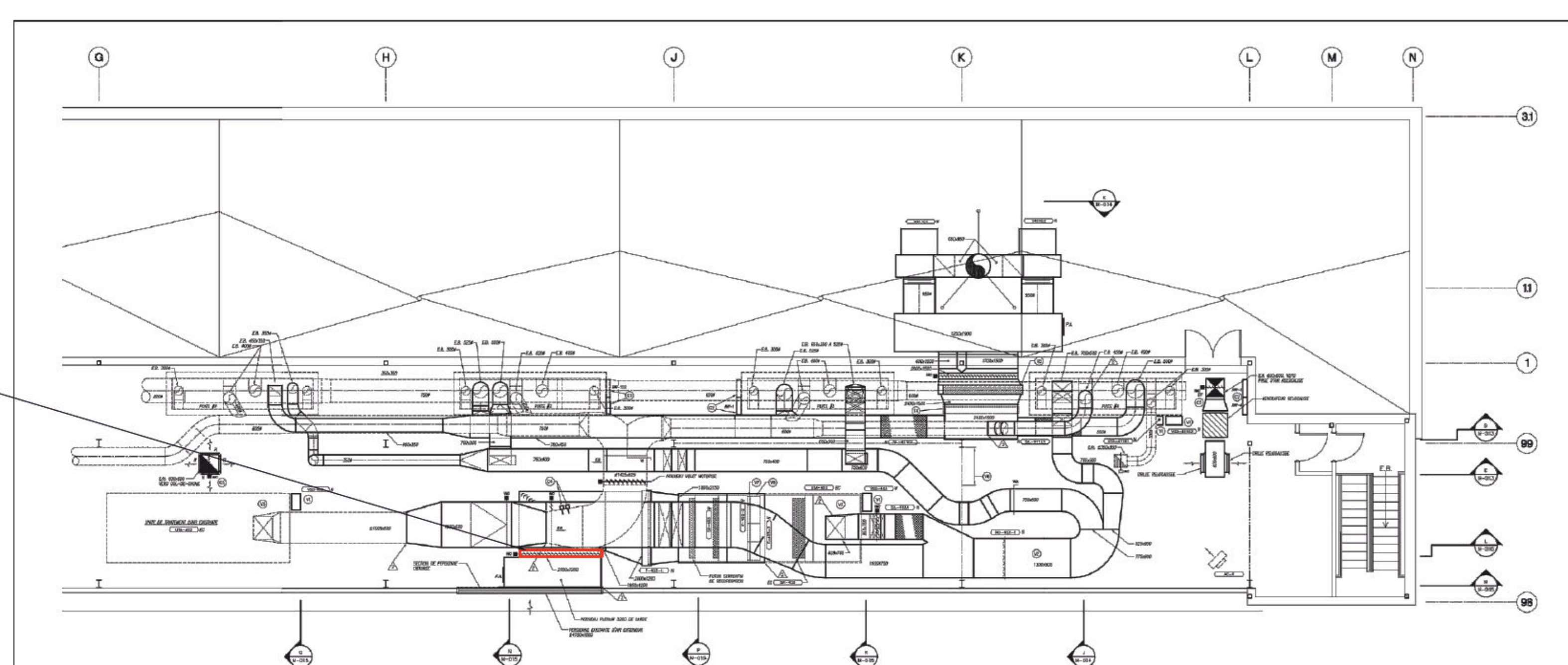
DO NOT USE FOR CONSTRUCTION

Engineer:

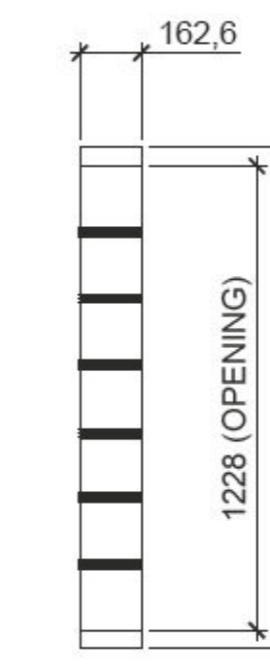
Architect:

SYSTEM V-403A

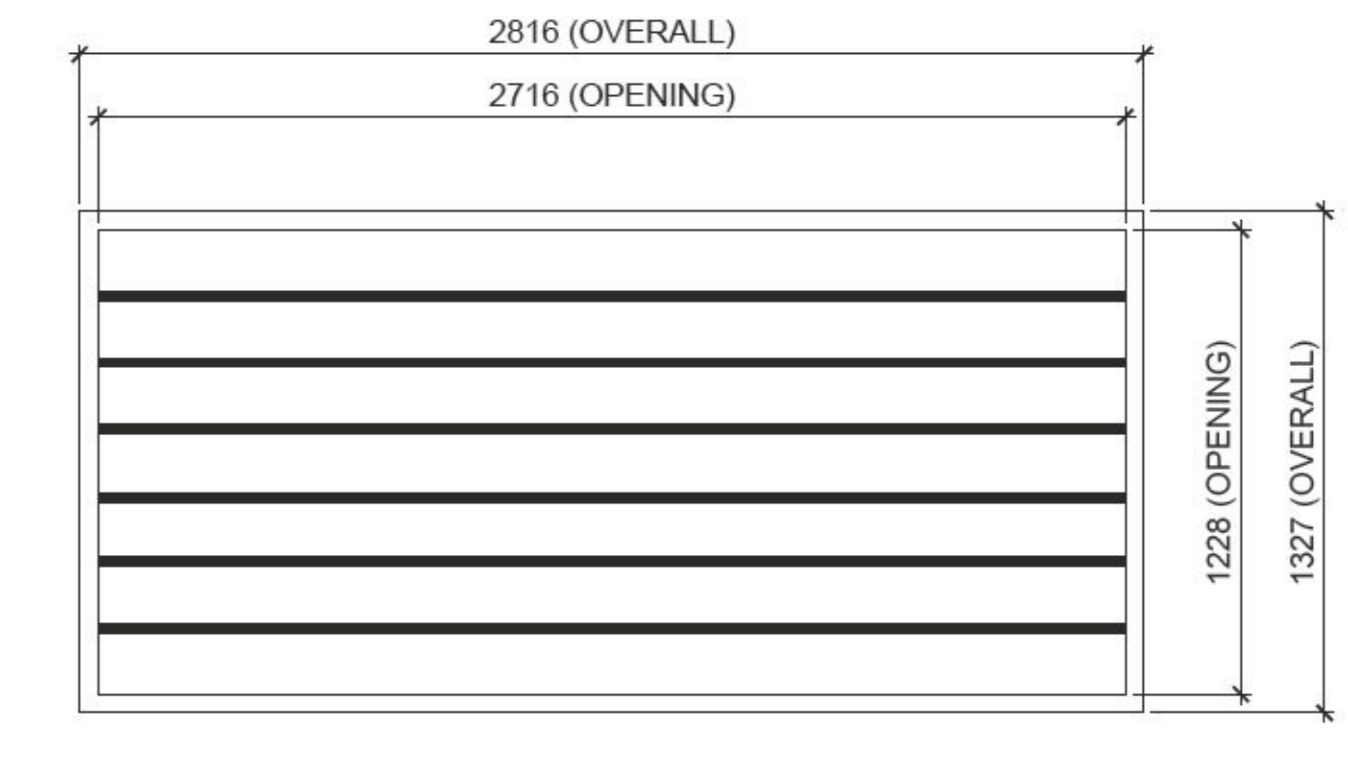
SYSTEM V-403A



LOCATION OF MOTORIZED DAMPER



SECTION VIEW  
SCALE 1 : 20



ELEVATION OF THE NEW DAMPER  
SCALE 1 : 20

GENERAL NOTE

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:

- OPENING DIMENSIONS AND OVERALL DIMENSIONS.
- TYPES OF BLADE.
- TYPES OF INSTALLATION.

Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-403A	2716 x 1228	2816 x 1327	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	X.B.
2023-04-14	FOR COMMENTS 90%	E.B.T.	X.B.

Consultant:  
**NEOKA**  
 Project Services Inc.  
 635 Sherbrooke St W, suite 1000  
 Montreal, Quebec, H3A 1E4  
 CANADA  
 (514) 382-5718  
<http://neoka-project-services.com>

Seal:



Prepared by: A.L. Verified by: M.L.D.

Drawn by: E.B.T. Approved by: X.B.

Date: 2023-01-27 Scale: NONE

Client:



File #

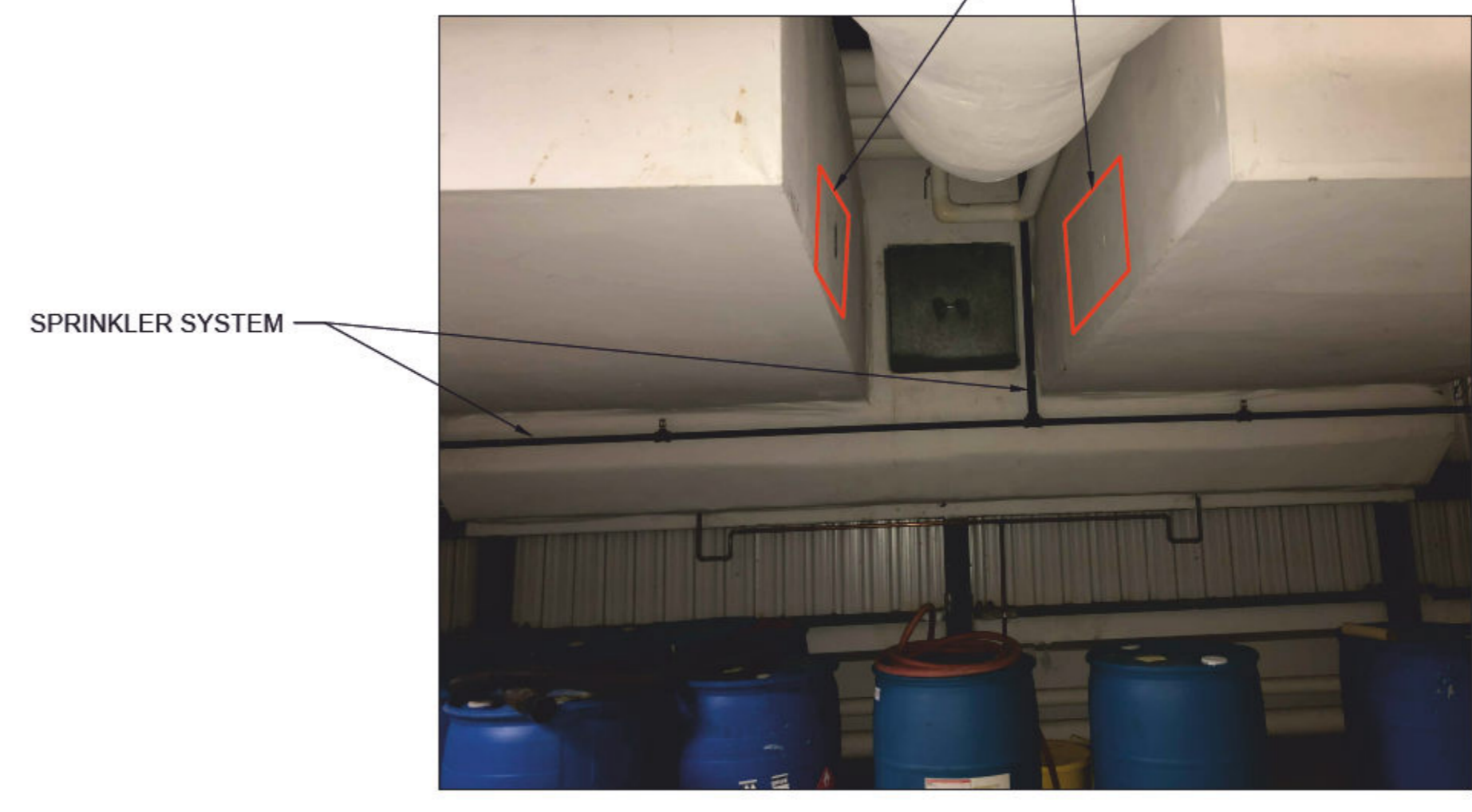
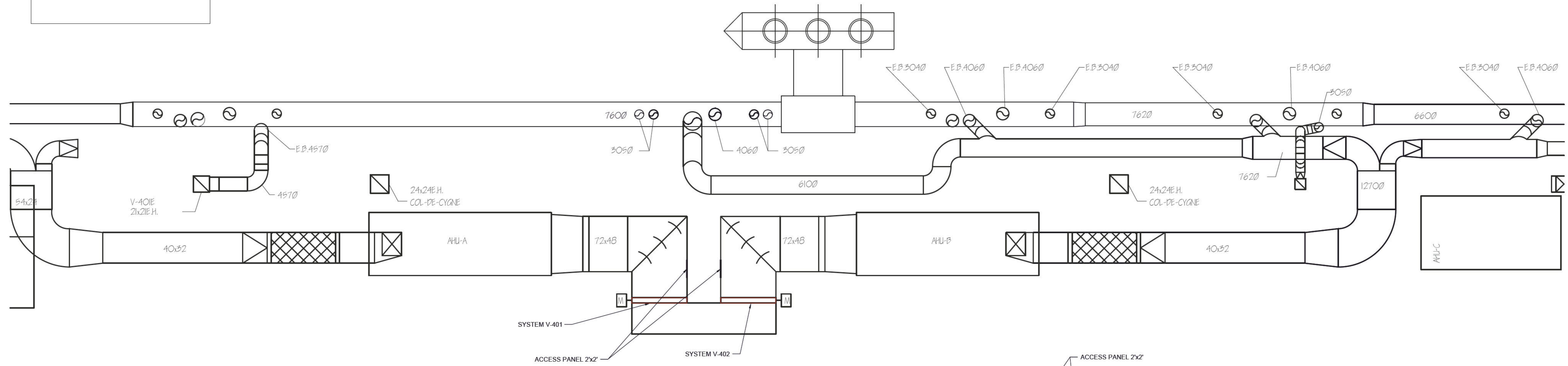
Project:  
**REPLACEMENT OF MOTORIZED DAMPERS**

Description:  
**MECHANICAL - VENTILATION DETAILS 5/6**

Project #: 075-CC47-PR03 Code: DD Drawing #: ME574 Rev: 00



**SYSTEM  
V-401 AND V-402  
IDENTICAL**



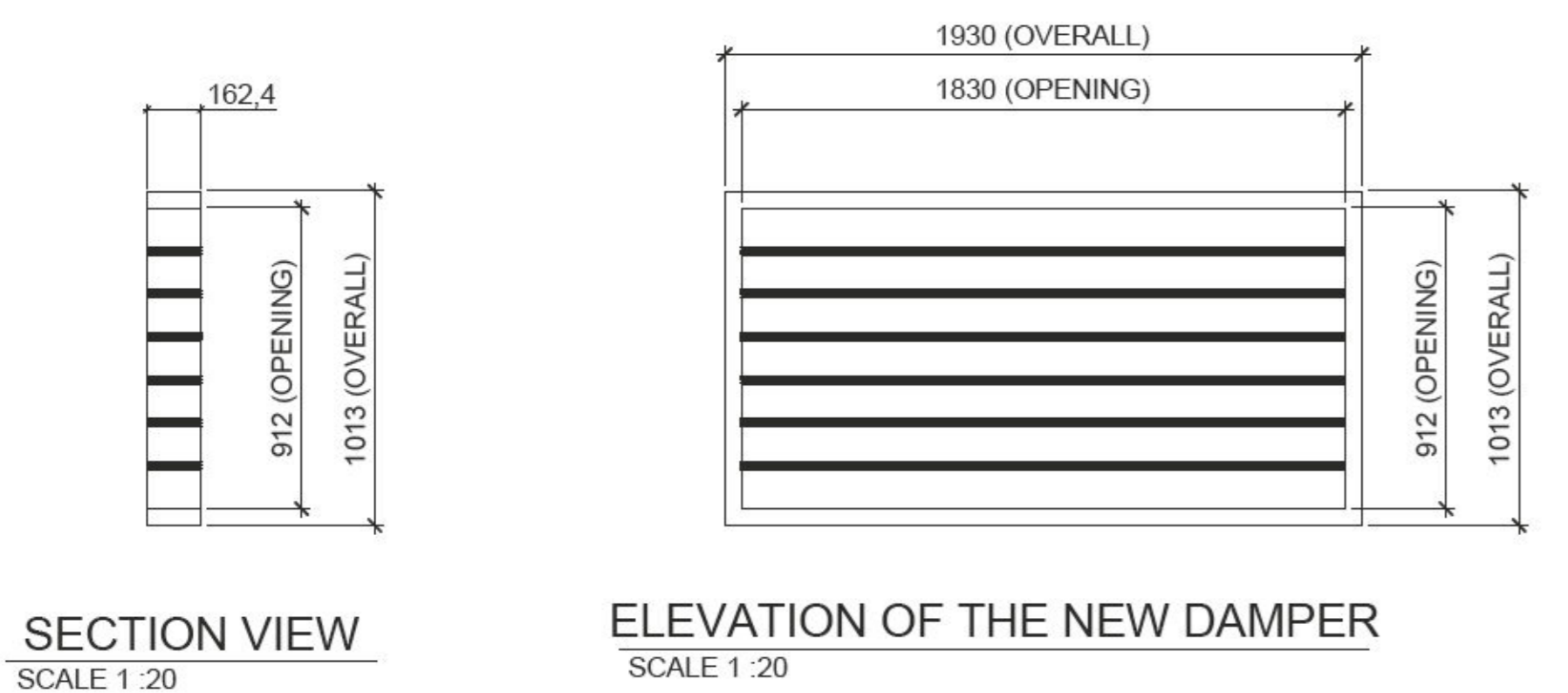
LOCATION OF NEW ACCESS PANELS 2'x2'



LOCATION OF MOTORIZED DAMPER

**GENERAL NOTE**

**NOTE REGARDING ACCESS PANELS:**  
THE INSTRUCTIONS FOR THE PLACEMENT OF THE NEW ACCESS PANELS ARE PROVIDED FOR INFORMATIONAL PURPOSES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE CONDITIONS AT THE SITE. THE CONTRACTOR MUST PROCEED WHILE ADHERING TO THE FOLLOWING REQUIREMENTS:  
1. ENSURE THE TIGHTNESS OF THE INSTALLATION.  
2. RETRACE AND REWRITE THE INSTRUCTIONS IN BLACK STENCIL ON THE DUCTS (AIR FRAIS / FRESH AIR / V 301 / DIRECTIONAL ARROW) IF THEY BECOME ILLISIBLE AFTER THE INSTALLATION OF THE ACCESS PANEL.  
THE ACCESS PANELS MUST MEET THE FOLLOWING CRITERIAS:  
1. SQUARE OPENING WITH DIMENSIONS OF 2' x 2', AS SPECIFIED BY SMACNA STANDARDS.  
2. MATERIAL: SAME MATERIAL AS THE PIPELINE.  
**NOTE REGARDING ACCESSIBILITY:**  
THE PIPELINE IS LOCATED AT A HEIGHT AND HAS LIMITED ACCESS. THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE SITE CONDITIONS AND TAKING APPROPRIATE MEASURES (SAFETY EQUIPMENT, LIFTING EQUIPMENT, ETC.).  
**NOTE REGARDING SPRINKLER SYSTEM:**  
THE EXISTING SPRINKLER SYSTEM OBSTRUCTS THE WORK AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE FIRE SAFETY COMPANY "KINGS PROTECTION INCENDIE INC" TO TEMPORARILY REMOVE THE RELEVANT SPRINKLER NETWORK.

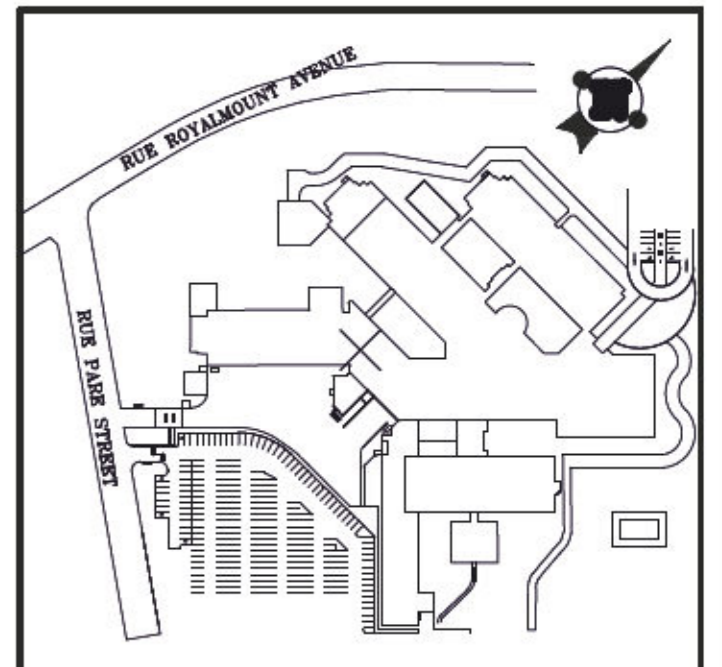


SECTION VIEW  
SCALE 1 : 20

ELEVATION OF THE NEW DAMPER  
SCALE 1 : 20

**GENERAL NOTE**  
THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:  
- OPENING DIMENSIONS AND OVERALL DIMENSIONS,  
- TYPES OF BLADE,  
- TYPES OF INSTALLATION.

Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-401	1830 x 912	1930 x 1013	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series
V-402	1830 x 912	1930 x 1013	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series



Notes:

**DO NOT USE FOR CONSTRUCTION**

Engineer:

Architect:

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	X.B.
2023-04-14	FOR COMMENTS 90%	E.B.T.	X.B.

Consultant:

Seal:



Prepared by: A.L. Verified by: M.L.D.

Drawn by: E.B.T. Approved by: X.B.

Date: 2023-01-27 Scale: NONE

Client:



Project:  
**REPLACEMENT  
OF MOTORIZED DAMPERS**

Description:  
**MECHANICAL - VENTILATION  
DETAILS 6/6**

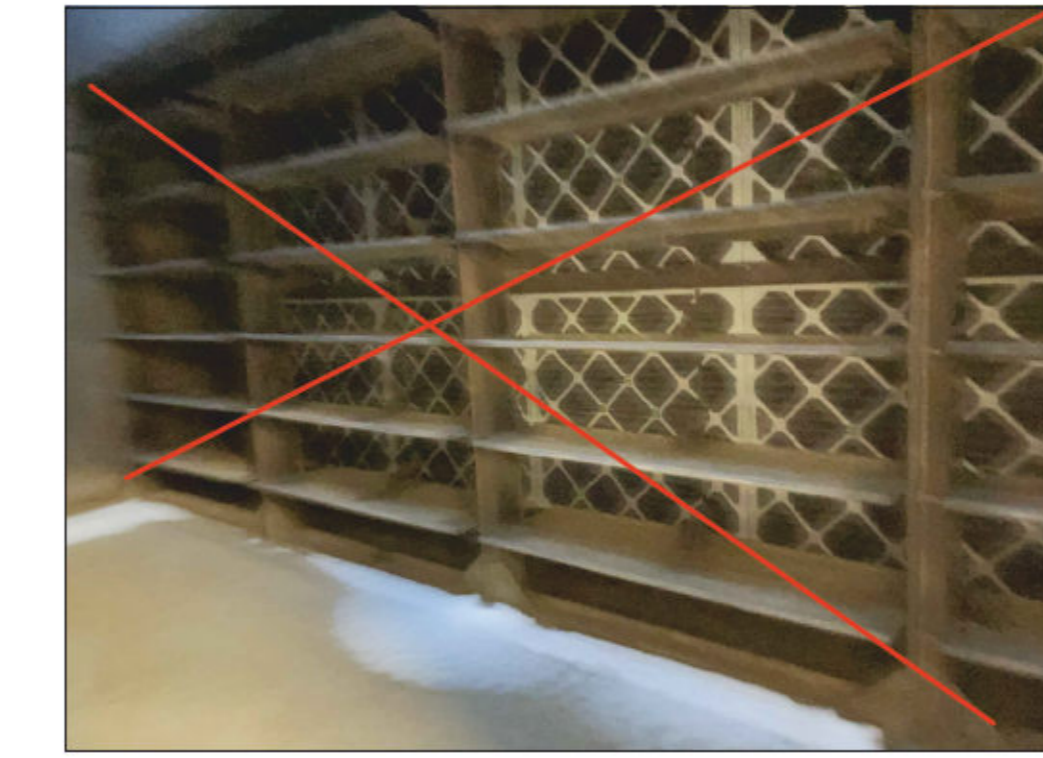
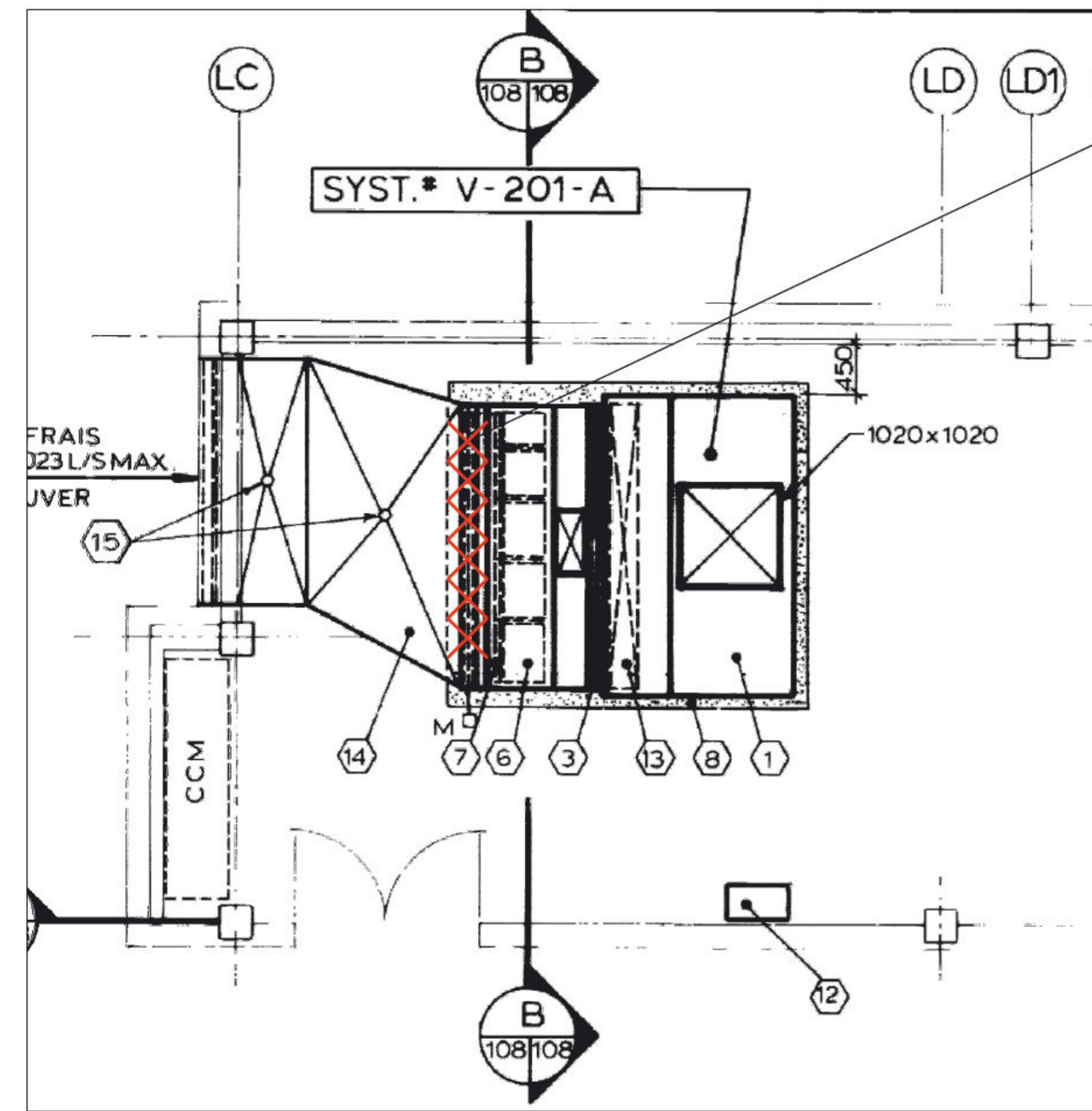
Project #: 075-CC47-PR03 Code: DD Drawing #: ME575 Rev:



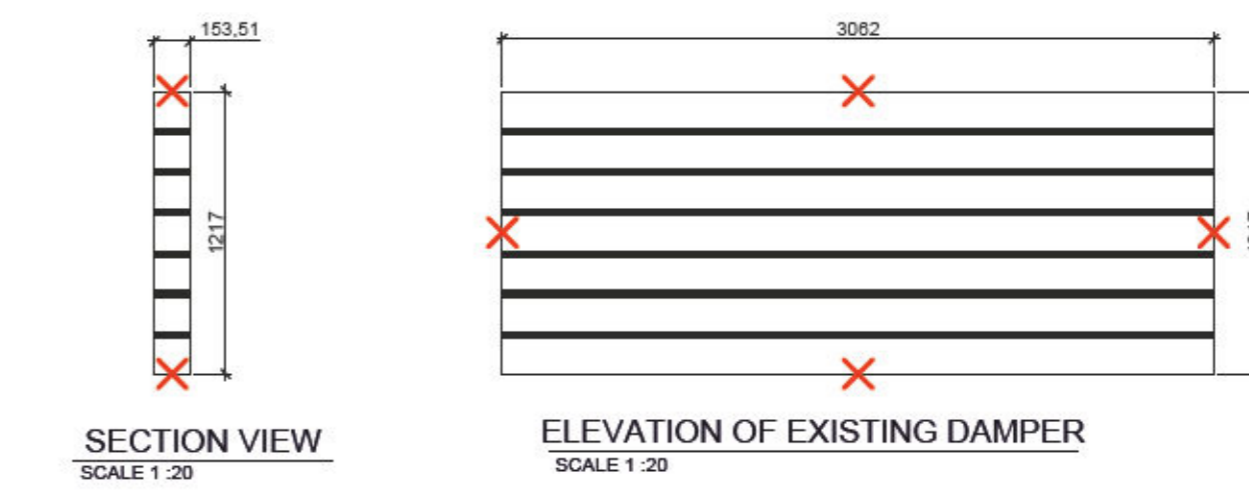




SYSTEM V-201A

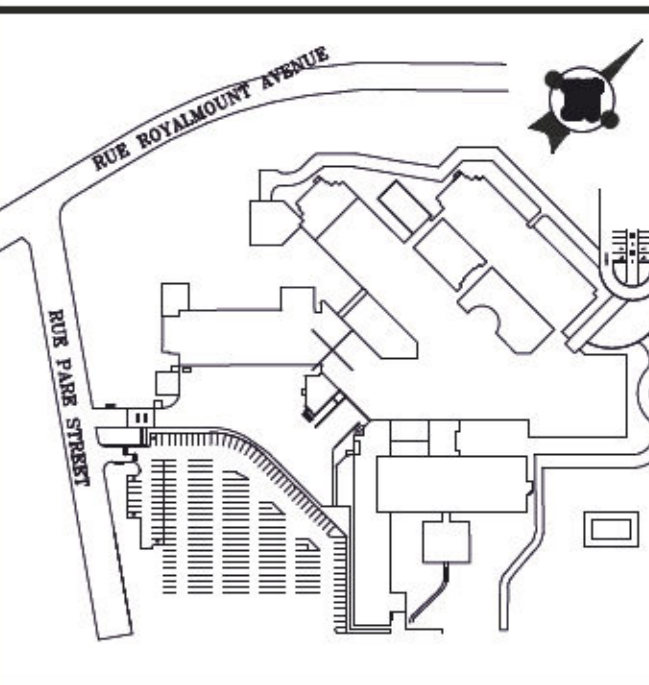


EXISTING DAMPER TO BE DEMOLISHED



**GENERAL NOTE**  
 THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:  
 - OPENING DIMENSIONS AND OVERALL DIMENSIONS,  
 - TYPES OF BLADE,  
 - TYPES OF INSTALLATION.

Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-201A	3046 x 1218	3146 x 1318	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series



Notes:

**DO NOT USE FOR CONSTRUCTION**

Engineer:

Architect:

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	X.B.
2023-04-14	FOR COMMENTS 90%	E.B.T.	X.B.

Consultant:

Seal:



Prepared by: A.L. Verified by: M.L.D.

Drawn by: E.B.T. Approved by: X.B.

Date: 2023-01-27 Scale: NONE

Client:

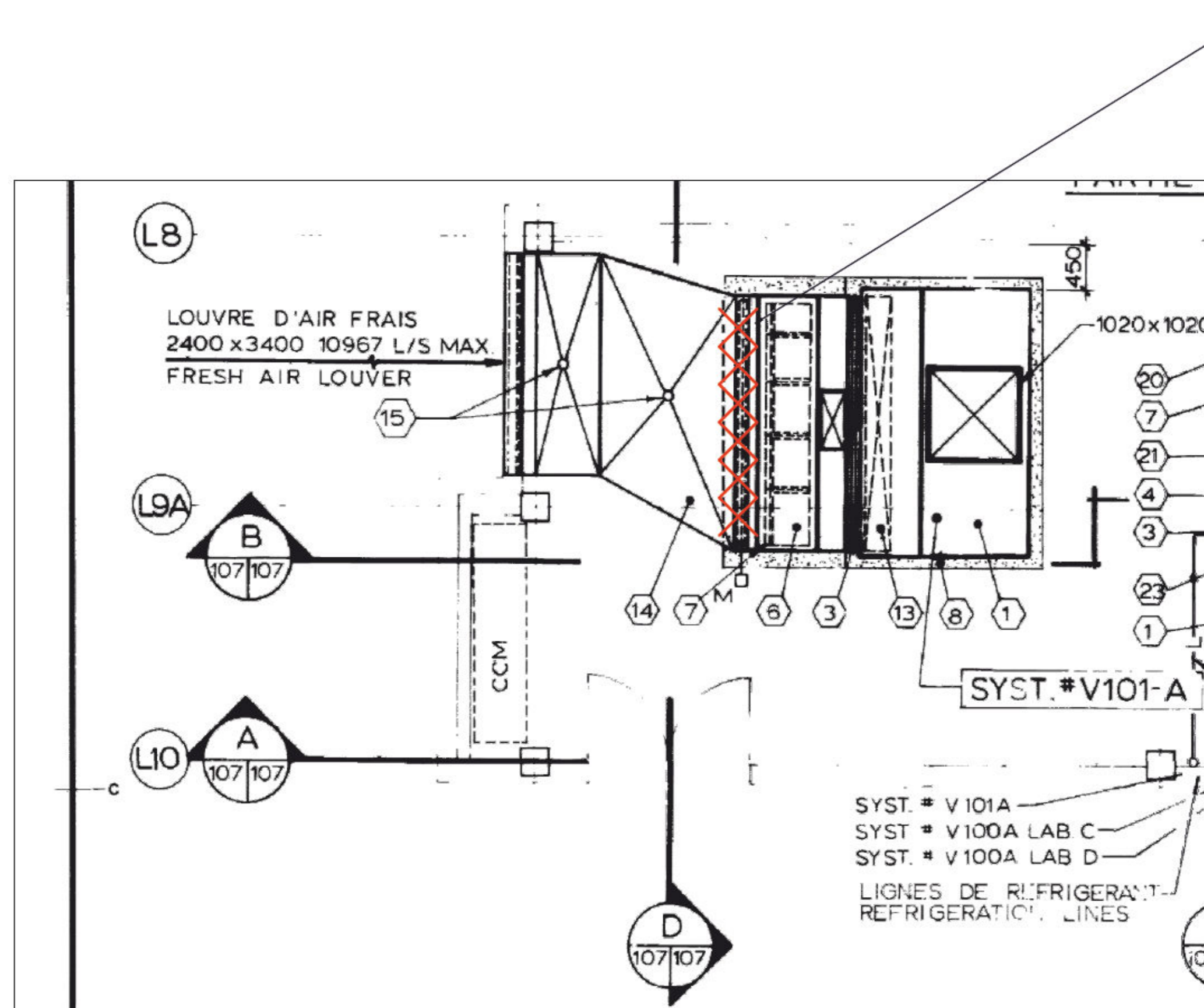


Project: **REPLACEMENT OF MOTORIZED DAMPERS**

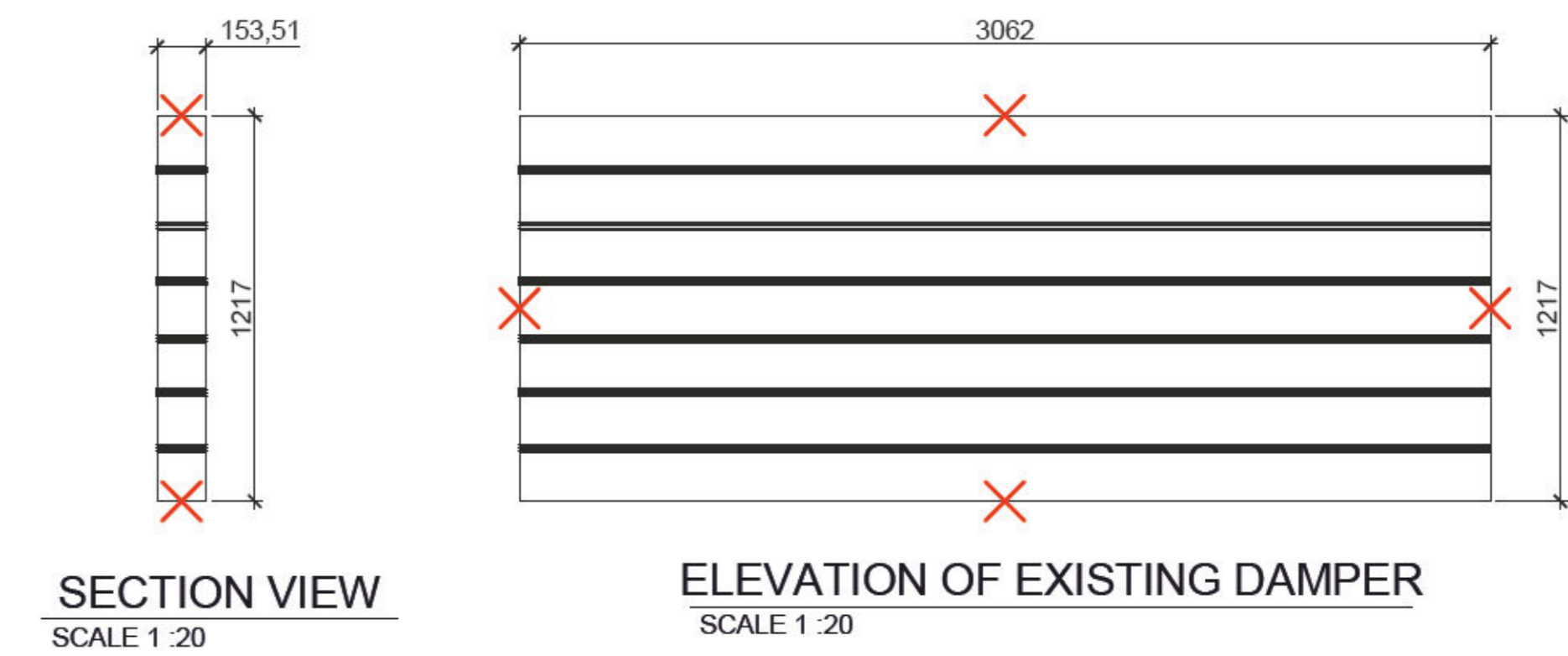
Description: **MECHANICAL - VENTILATION DEMOLITION 2/6**

Project #: 075-CC47-PR03 Code: DD Drawing #: ME951 Rev: 00

SYSTEM V-101A



EXISTING DAMPER TO BE DEMOLISHED

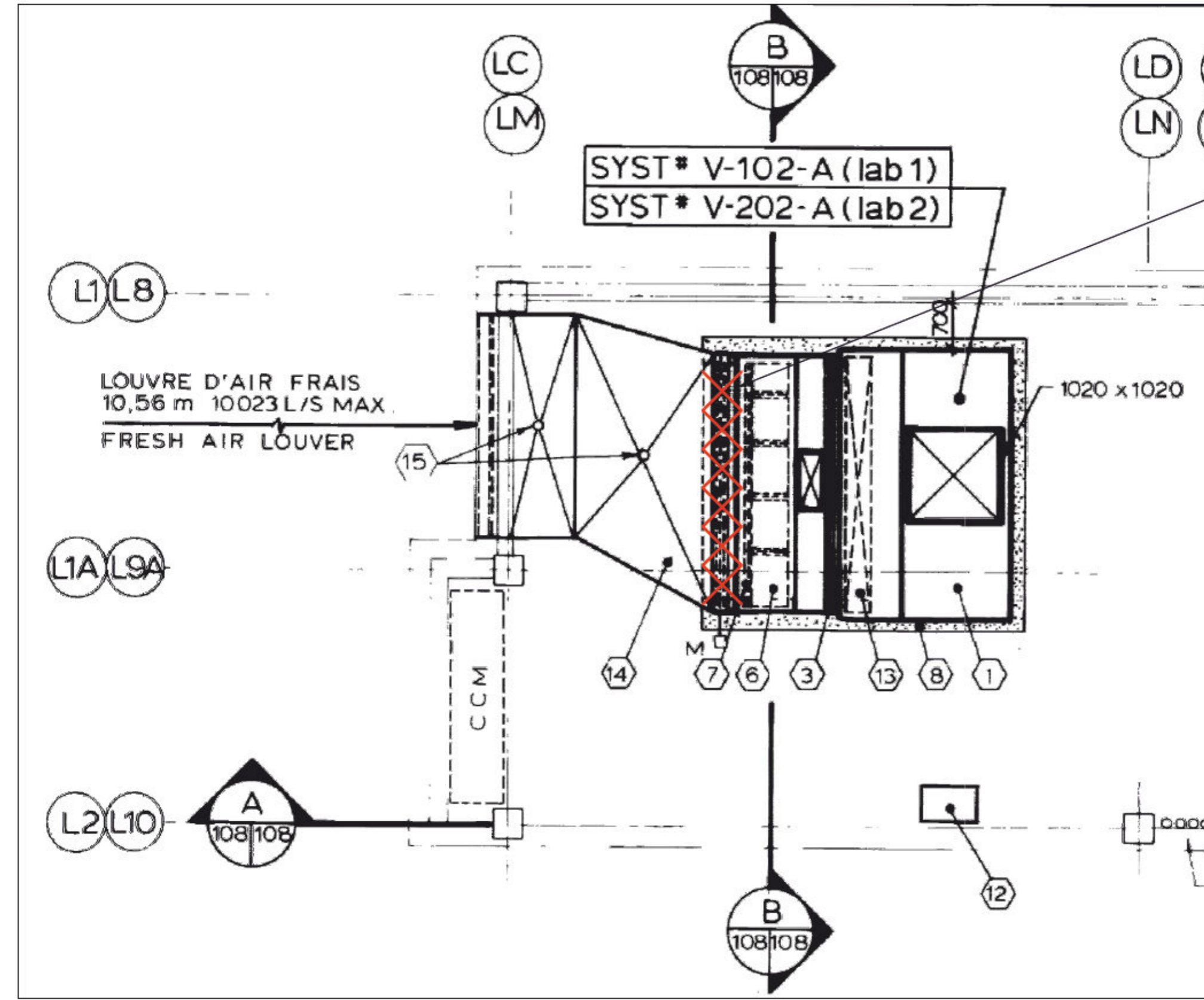


**GENERAL NOTE**  
 THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:  
 - OPENING DIMENSIONS AND OVERALL DIMENSIONS,  
 - TYPES OF BLADE,  
 - TYPES OF INSTALLATION.

Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-101A	3046 x 1218	3146 x 1318	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series



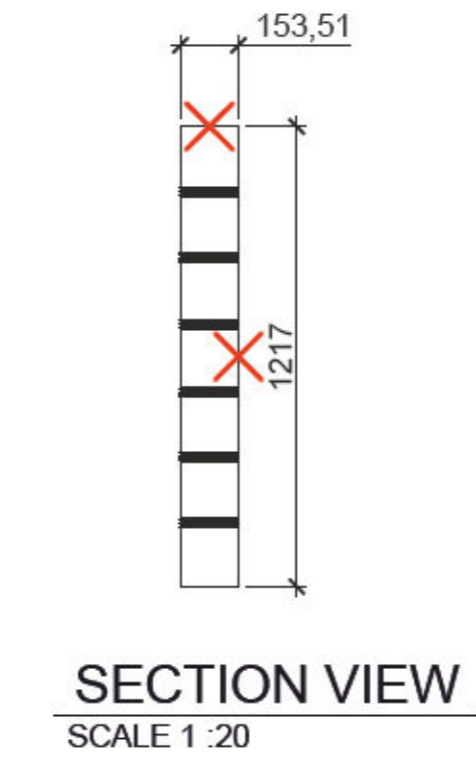
SYSTEM V-202A



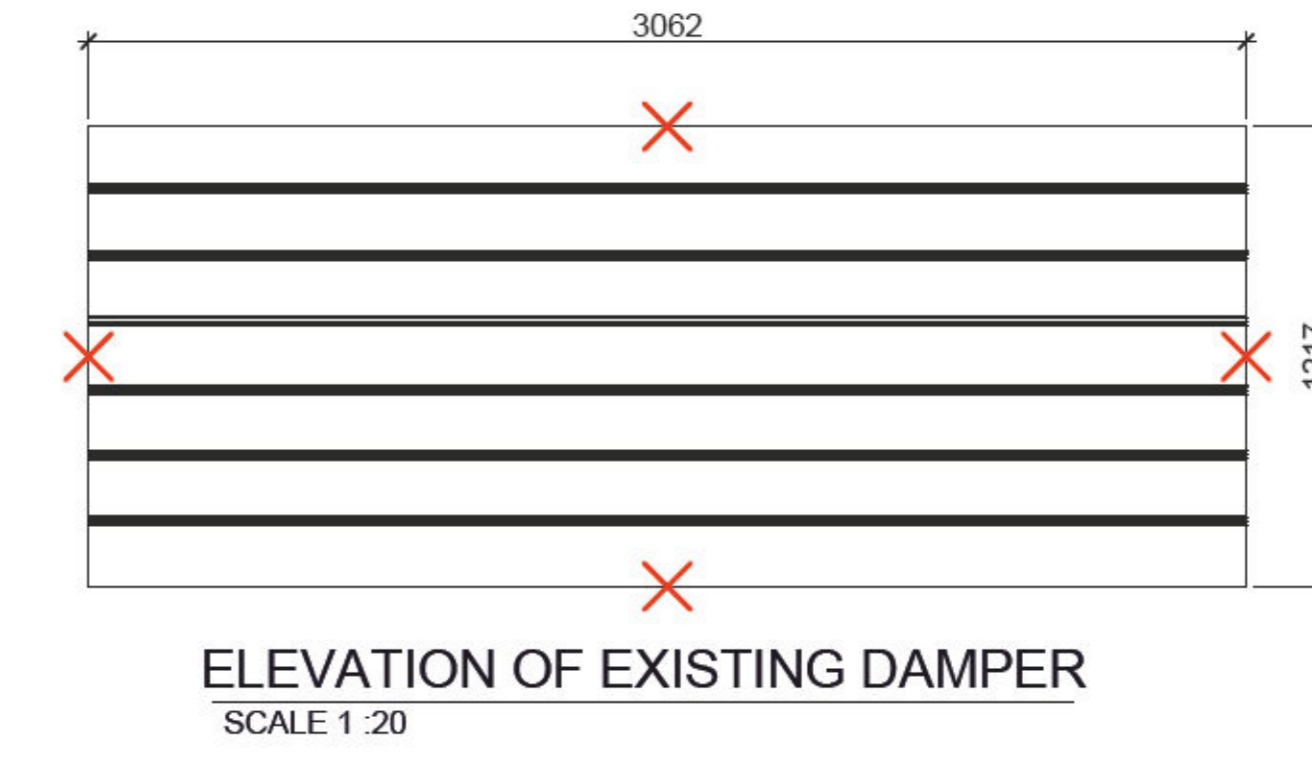
SYSTEM V-202A



EXISTING DAMPER TO BE DEMOLISHED



SECTION VIEW  
SCALE 1 : 20



ELEVATION OF EXISTING DAMPER  
SCALE 1 : 20

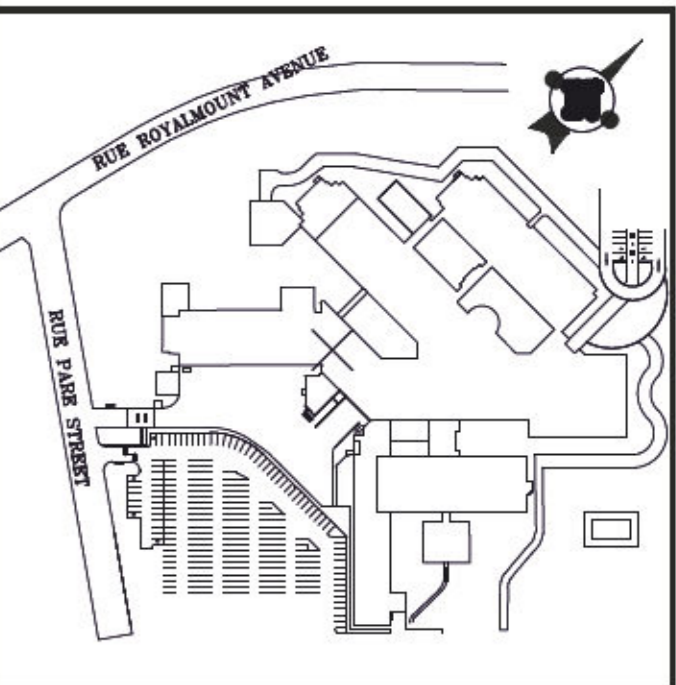
GENERAL NOTE

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:

- OPENING DIMENSIONS AND OVERALL DIMENSIONS.
- TYPES OF BLADE.
- TYPES OF INSTALLATION.

Table of proposed shutters

System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-202A	3046 x 1218	3146 x 1318	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series



Notes:

DO NOT USE FOR CONSTRUCTION

Engineer:

Architect:

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	E.B.
2023-04-14	FOR COMMENTS 90%	E.B.T.	E.B.

Consultant:

NEOKA Project Services Inc.  
535 Sherbrooke St W, suite 1000  
Montreal, Quebec, H3A 1E4  
CANADA  
514 381 5718  
http://neoka-services.com

Seal:



Prepared by: A.L. Verified by: M.L.D.

Drawn by: E.B.T. Approved by: X.B.

Date: 2023-01-27 Scale: NONE

Client:

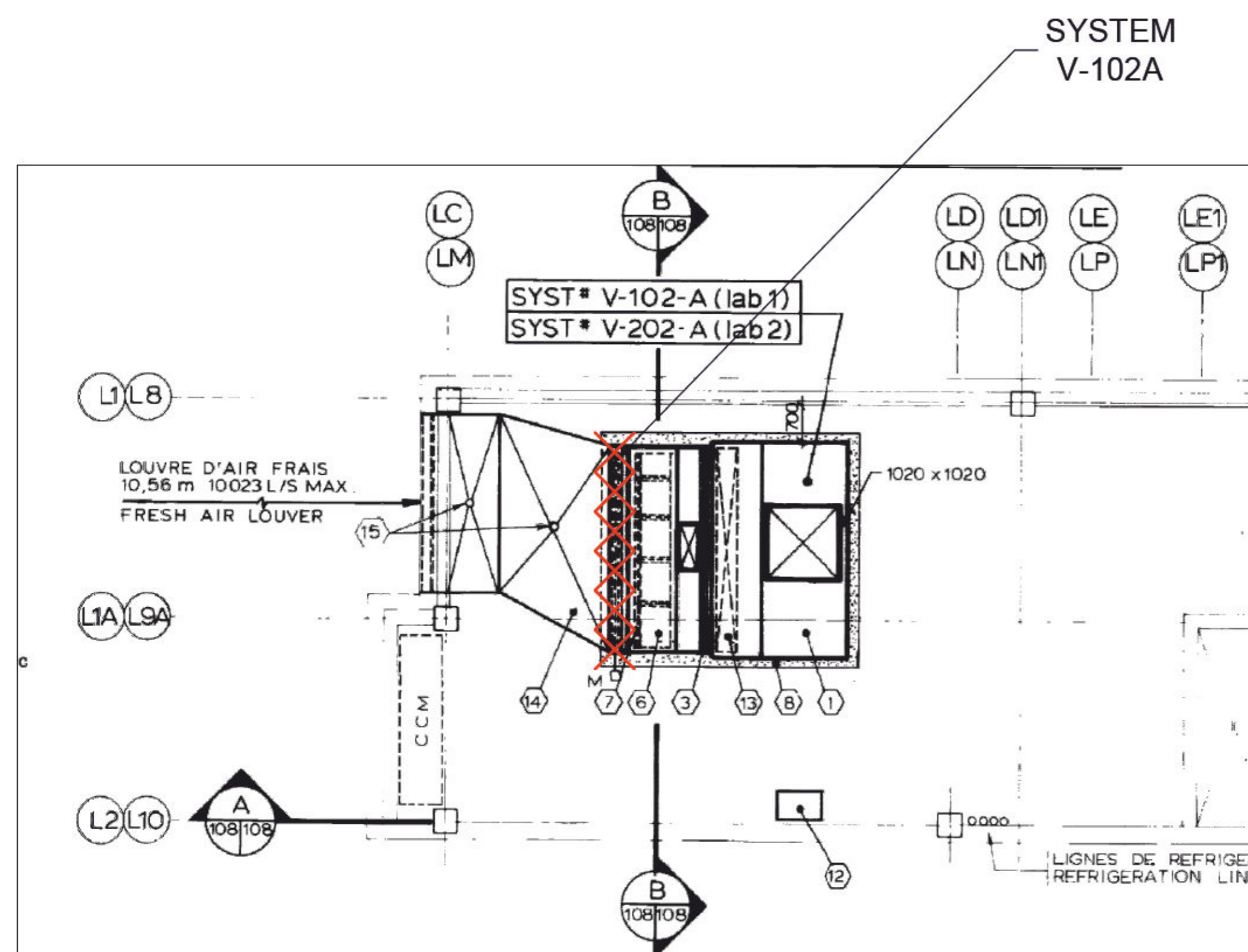


Project: **REPLACEMENT OF MOTORIZED DAMPERS**

Description: **MECHANICAL - VENTILATION DEMOLITION 3/6**

Project #:	Code	Drawing #:	Rev.
075-CC47-PR03	DD	ME952	00

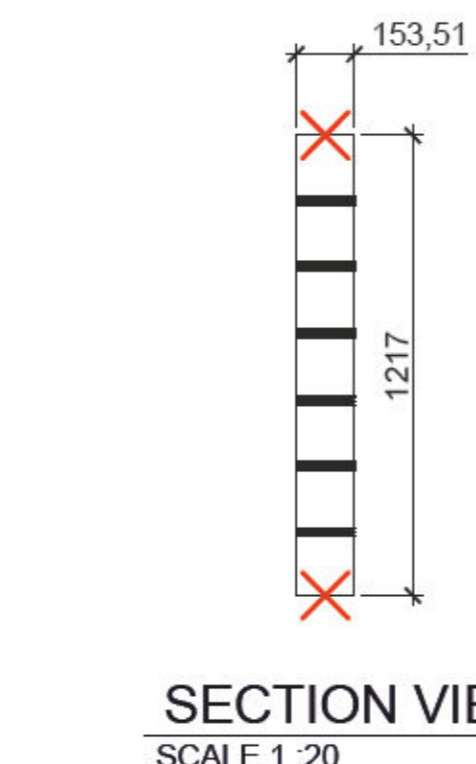
SYSTEM V-102A



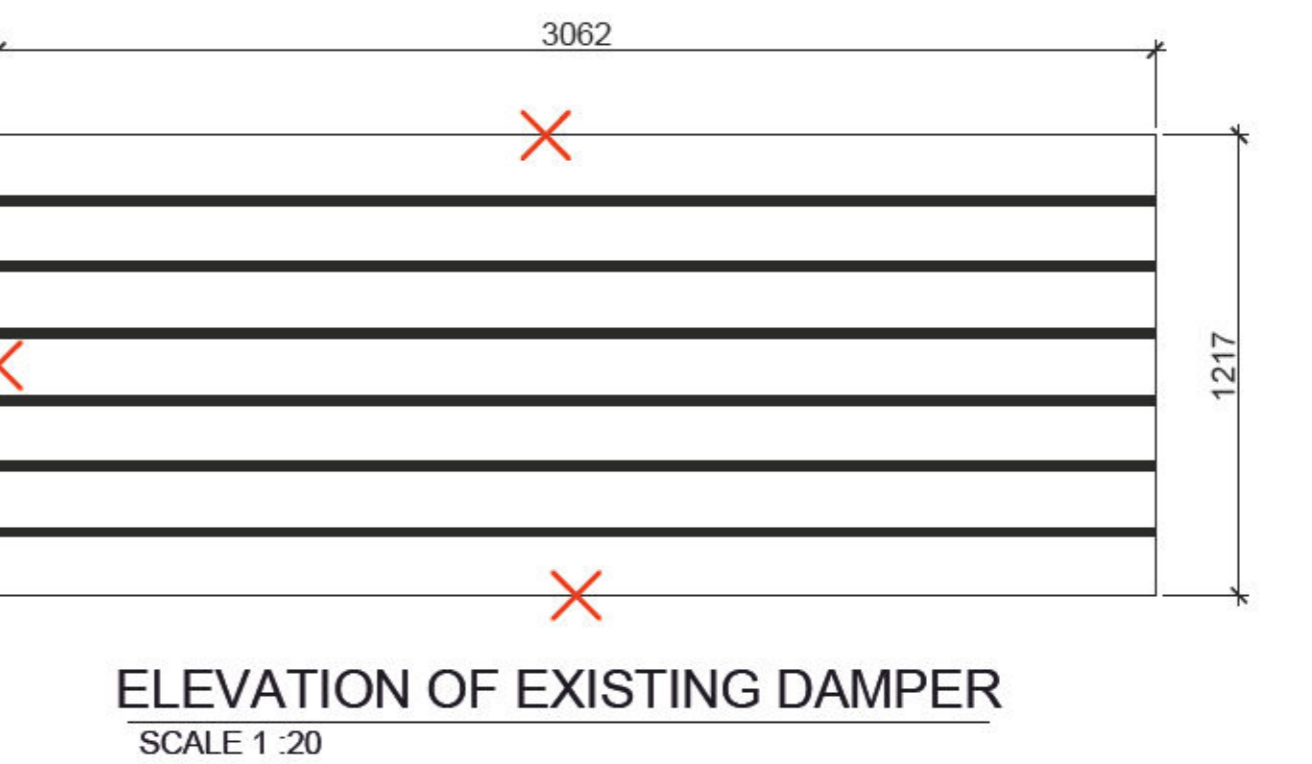
SYSTEM V-102A



EXISTING DAMPER TO BE DEMOLISHED



SECTION VIEW  
SCALE 1 : 20



ELEVATION OF EXISTING DAMPER  
SCALE 1 : 20

GENERAL NOTE

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:

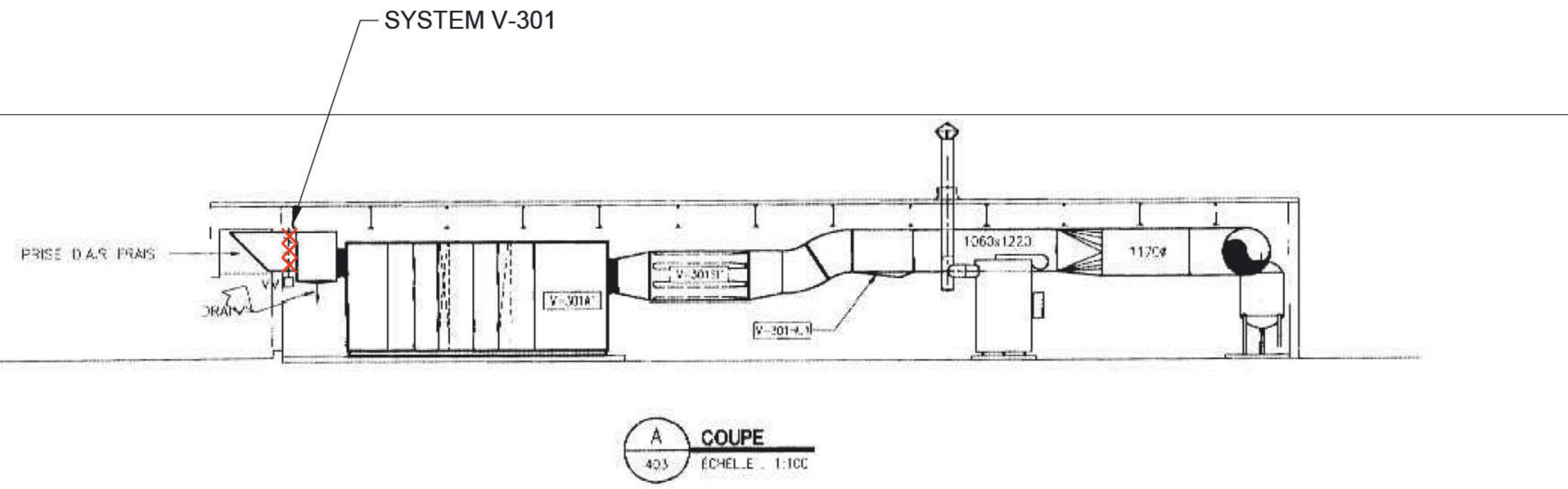
- OPENING DIMENSIONS AND OVERALL DIMENSIONS.
- TYPES OF BLADE.
- TYPES OF INSTALLATION.

Table of proposed shutters

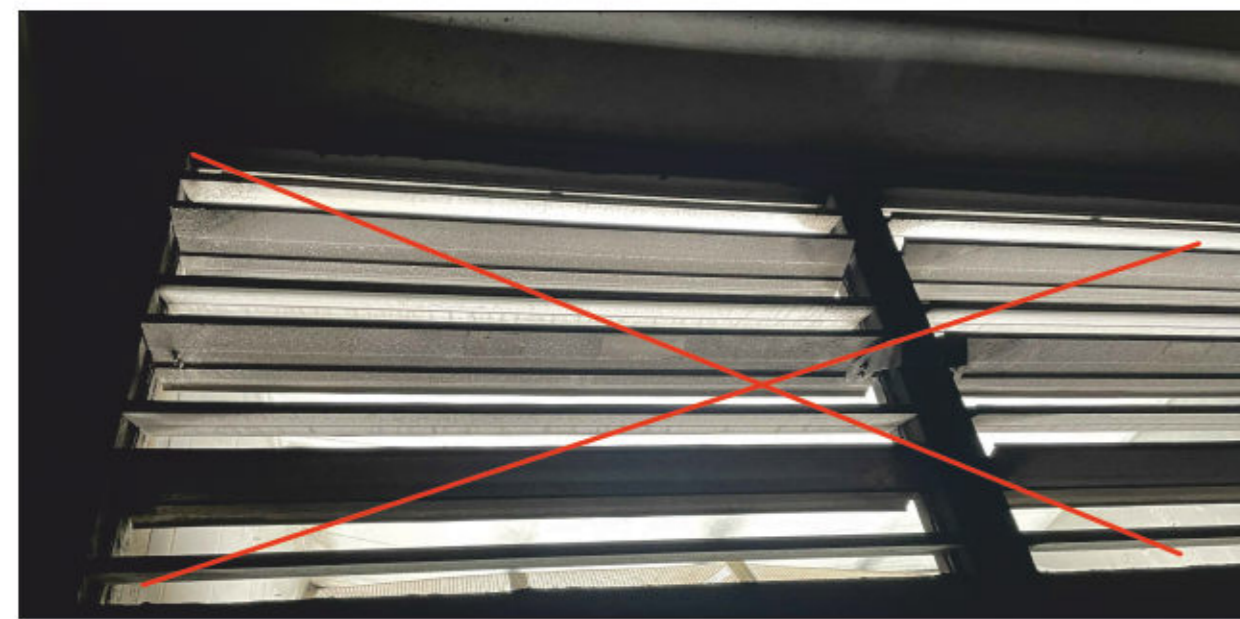
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-102A	3046 x 1218	3146 x 1318	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series



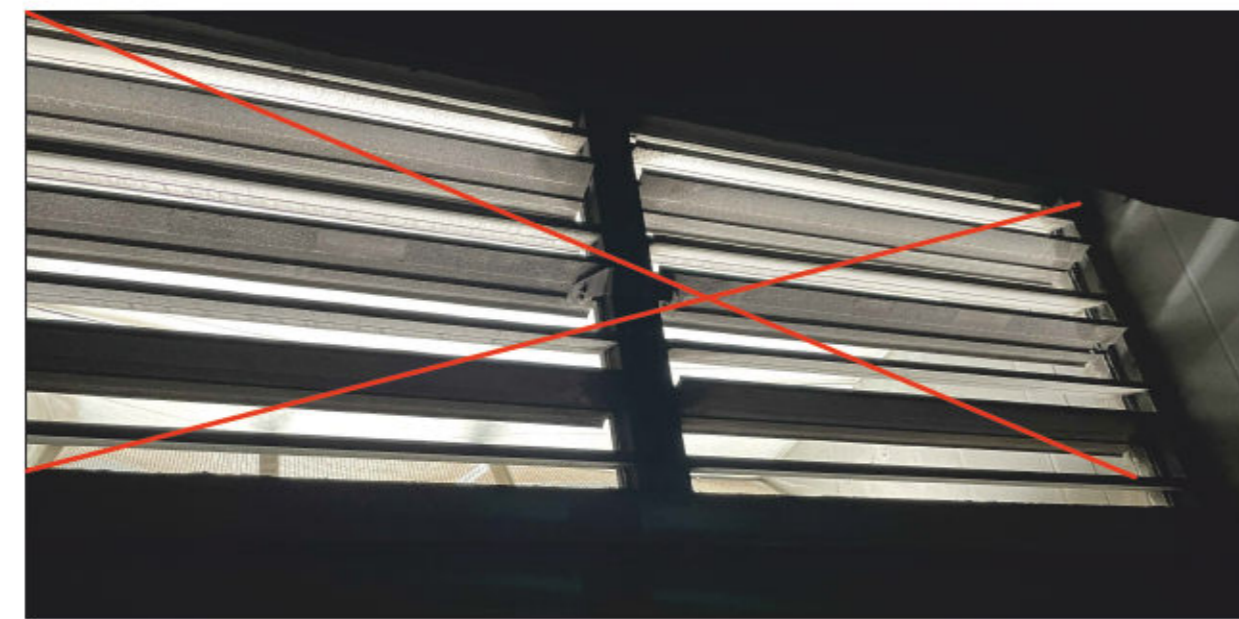
SYSTEM V-301



A COUPE  
403 ÉCHELLE : 1:100



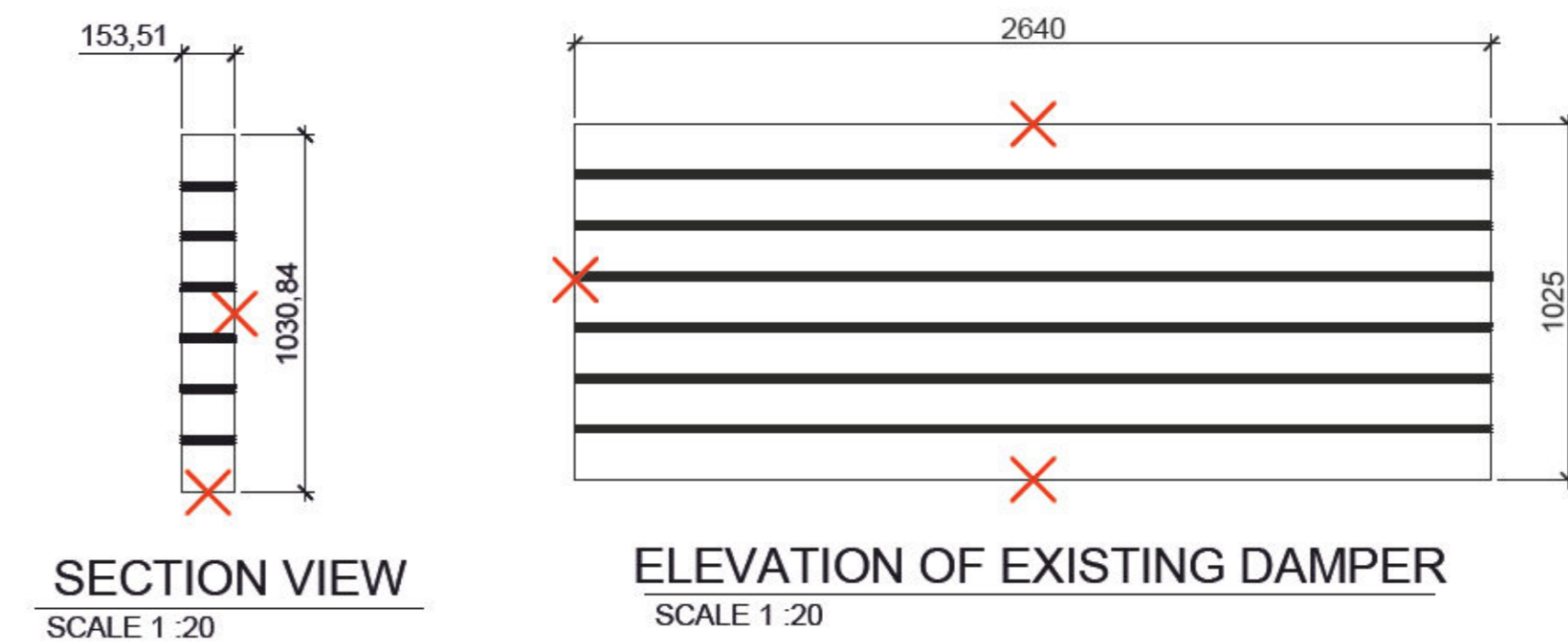
EXISTING DAMPER TO BE DEMOLISHED



EXISTING DAMPER TO BE DEMOLISHED

GENERAL NOTE

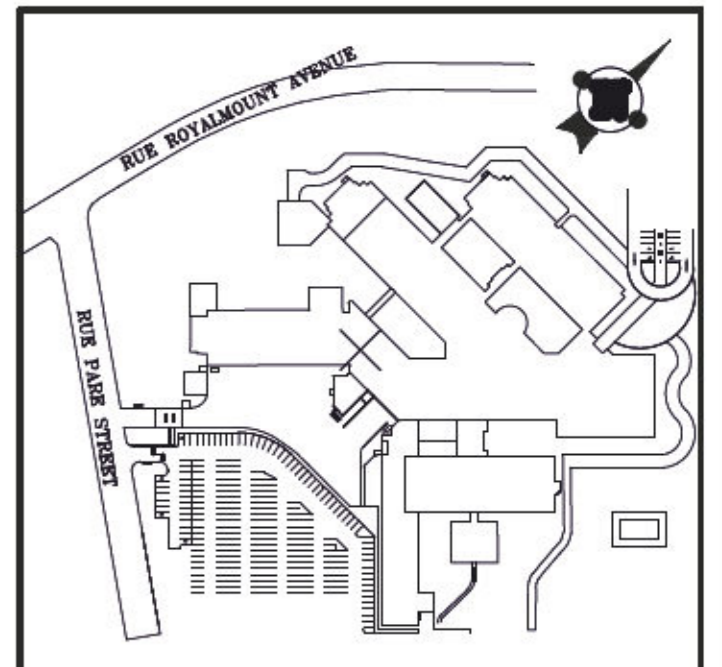
NOTE REGARDING SPRINKLER SYSTEM:  
THE EXISTING SPRINKLER SYSTEM OBSTRUCTS THE WORK AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE FIRE SAFETY COMPANY "IRVING PROTECTION INC" TO TEMPORARILY REMOVE THE RELEVANT SPRINKLER NETWORK.



GENERAL NOTE

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:  
- OPENING DIMENSIONS AND OVERALL DIMENSIONS,  
- TYPES OF BLADE,  
- TYPES OF INSTALLATION.

Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-301	2640 x 1025	2740 x 1124	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series



Notes:

DO NOT USE FOR CONSTRUCTION

Engineer:

Architect:

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	X.B.
2023-04-14	FOR COMMENTS 90%	E.B.T.	X.B.

Consultant:

Seal:



Prepared by: A.L. Verified by: M.L.D.

Drawn by: É.B.T. Approved by: X.B.

Date: 2023-01-27 Scale: NONE

Client:



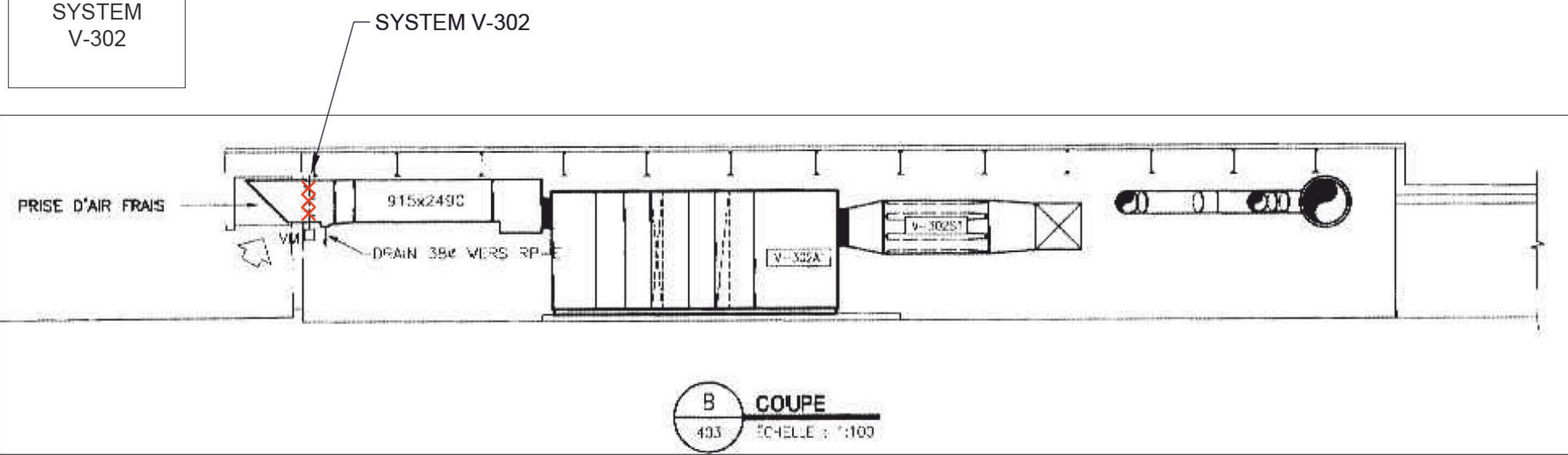
File #

Project: **REPLACEMENT OF MOTORIZED DAMPERS**

Description: **MECHANICAL - VENTILATION DEMOLITION 4/6**

Project #: 075-CC47-PR03 Code: DD Drawing #: ME953 Rev: 00

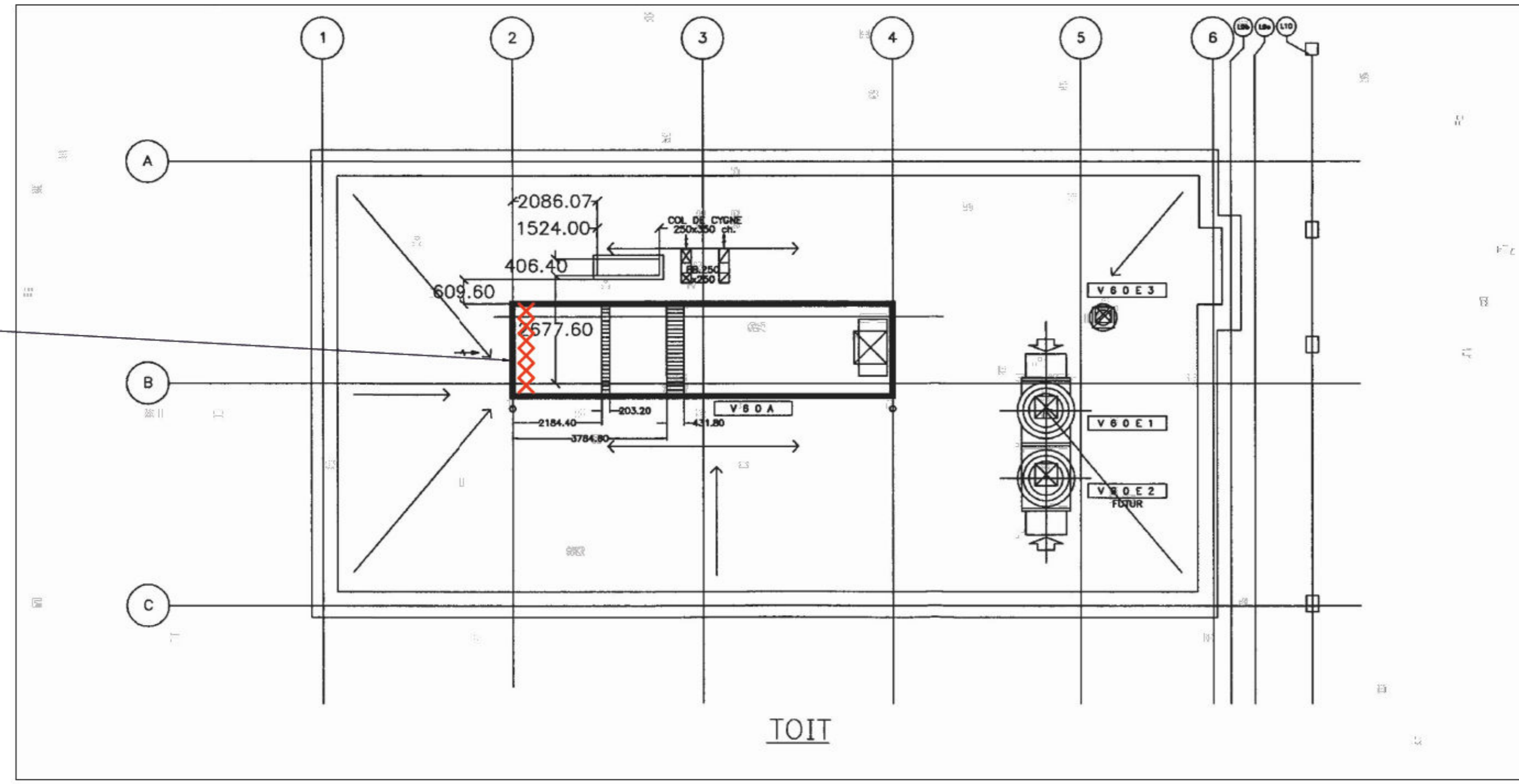
SYSTEM V-302



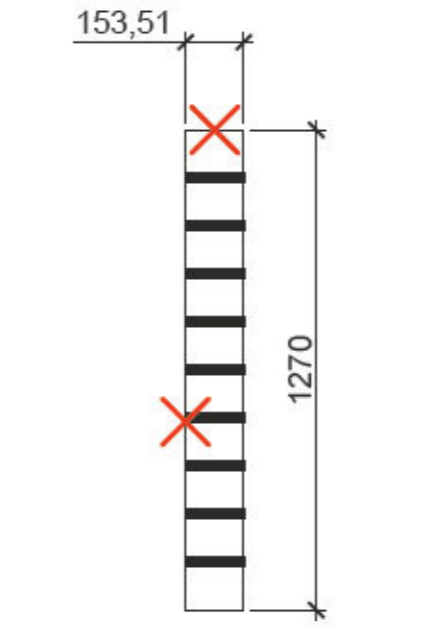


SYSTEM MUP-60A

SYSTEM MUP-60A



EXISTING DAMPER TO BE DEMOLISHED



SECTION VIEW  
SCALE 1:20



ELEVATION OF EXISTING DAMPER  
SCALE 1:20

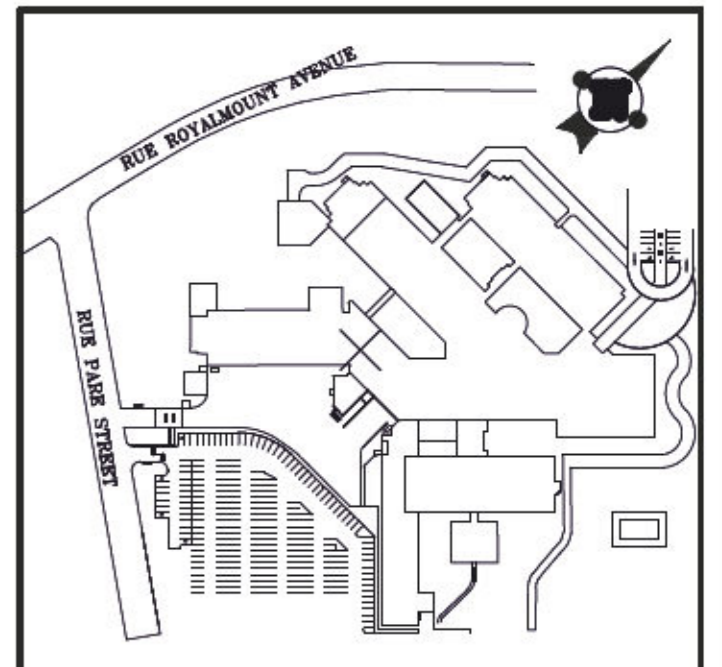
GENERAL NOTE

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:

- OPENING DIMENSIONS AND OVERALL DIMENSIONS;
- TYPES OF BLADE;
- TYPES OF INSTALLATION.

Table of proposed shutters

System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
MUP-60A	1840 x 1270	1940 x 1368	162,6	Horizontal	Parallel	Extended rear flange	TAMCO	9000 series



Notes:

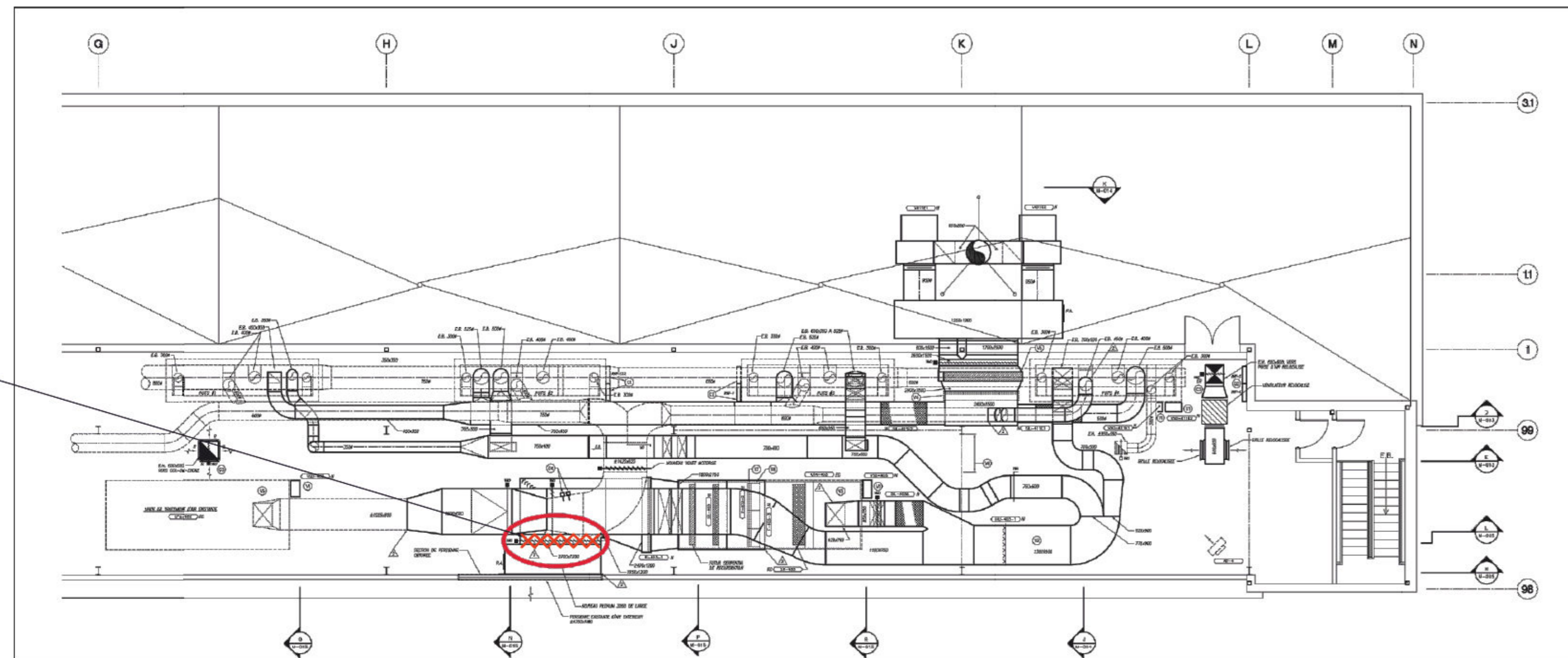
DO NOT USE FOR CONSTRUCTION

Engineer:

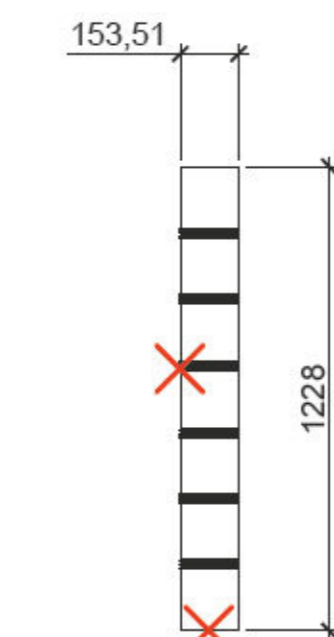
Architect:

SYSTEM V-403A

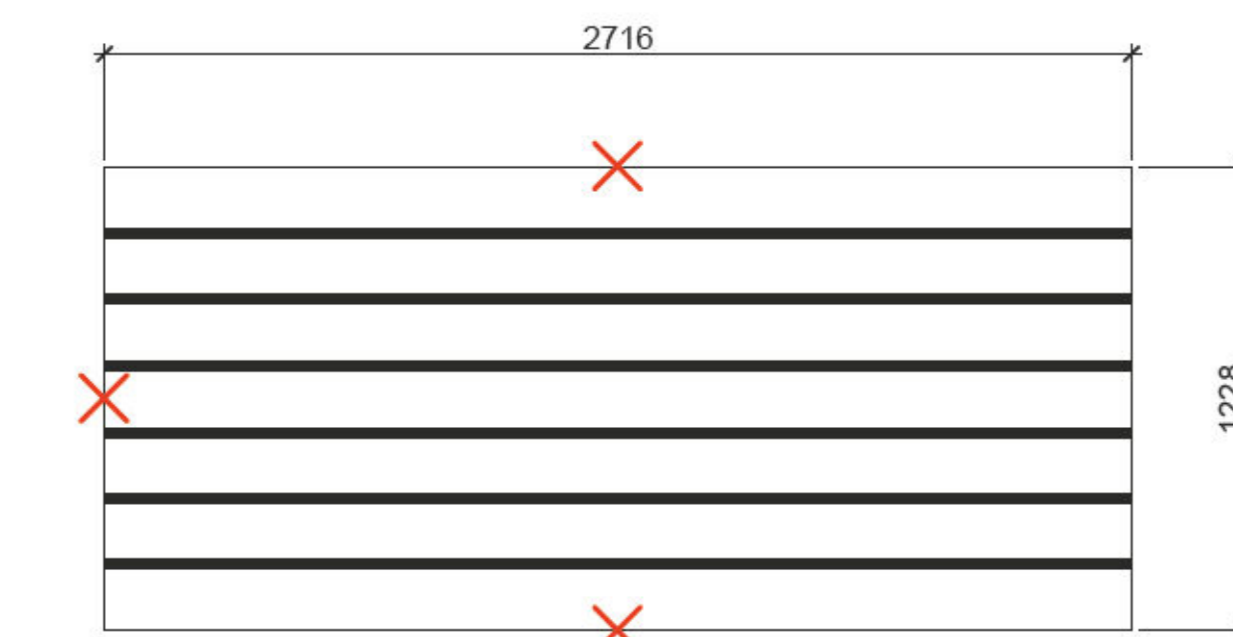
SYSTEM V-403A



EXISTING DAMPER TO BE DEMOLISHED



SECTION VIEW  
SCALE 1:20



ELEVATION OF EXISTING DAMPER  
SCALE 1:20

GENERAL NOTE

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:

- OPENING DIMENSIONS AND OVERALL DIMENSIONS;
- TYPES OF BLADE;
- TYPES OF INSTALLATION.

Table of proposed shutters

System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-403A	2716 x 1228	2816 x 1327	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	X.B.
2023-04-14	FOR COMMENTS 90%	E.B.T.	X.B.

Consultant:  
**NEOKA**  
 Project Services Inc.  
 630 Sherbrooke St W, suite 1000  
 Montreal, Quebec, H3A 1E4  
 CANADA  
 (514) 382-5718  
<http://www.neoka-services.com>

Seal:  
  
 2023-07-17

Prepared by: A.L. Verified by: M.L.D.  
 Drawn by: E.B.T. Approved by: X.B.  
 Date: 2023-01-27 Scale: NONE

Client:

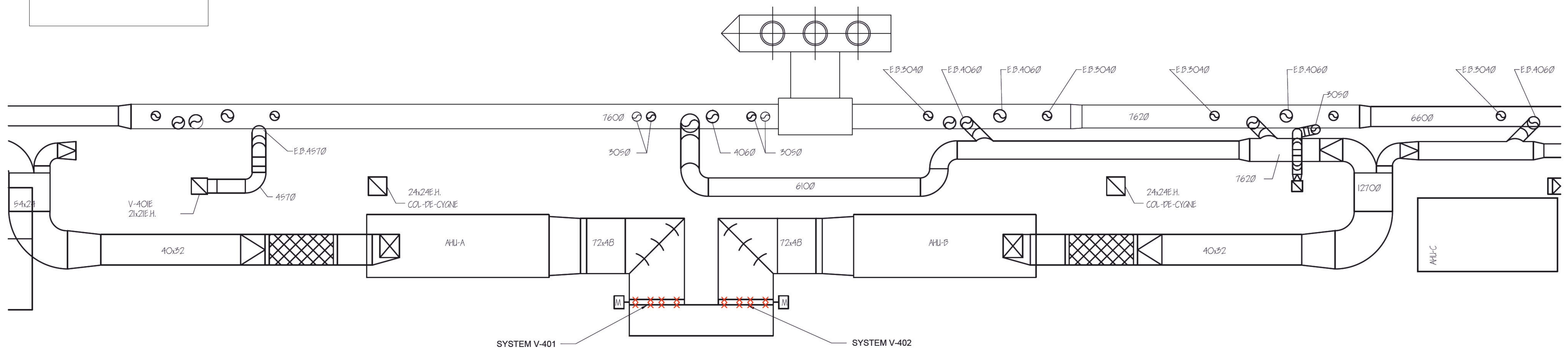
Project:  
**REPLACEMENT OF MOTORIZED DAMPERS**

Description:  
**MECHANICAL - VENTILATION DEMOLITION 5/6**

Project #: 075-CC47-PR03 Code: DD Drawing #: ME954 Rev:



**SYSTEM  
V-401 AND V-402  
IDENTICAL**



EXISTING DAMPER TO BE DEMOLISHED

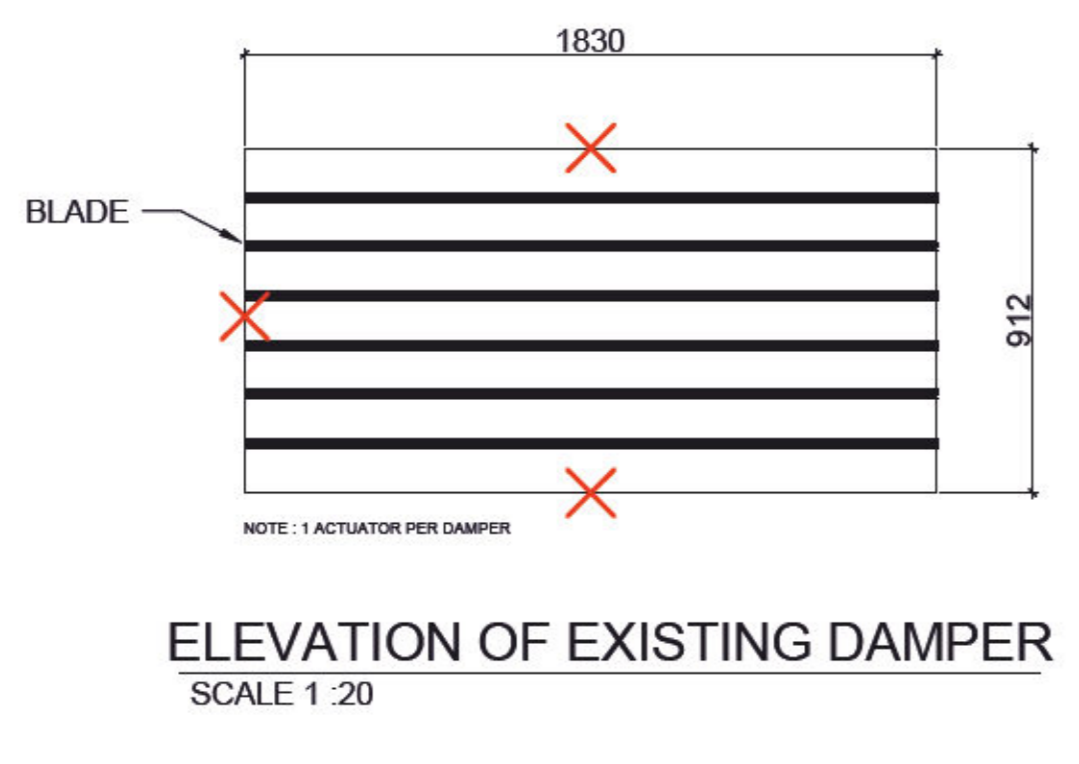
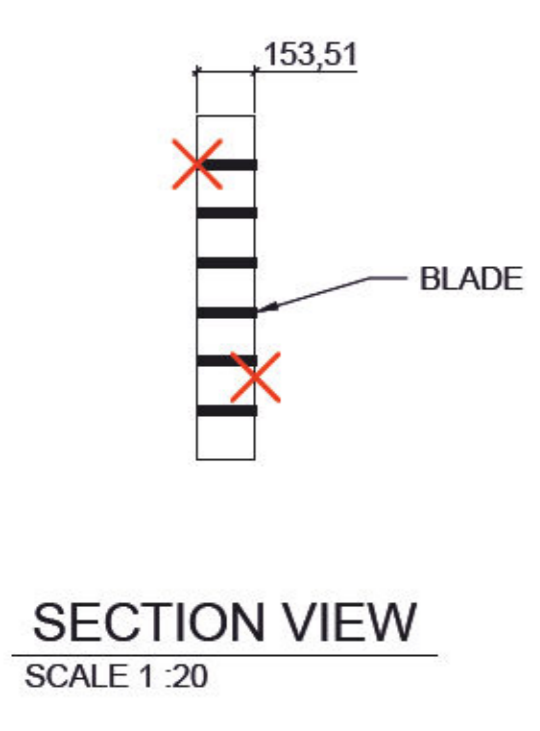


EXISTING DAMPER TO BE DEMOLISHED

**GENERAL NOTE**

**NOTE REGARDING ACCESSIBILITY:**  
THE PIPELINE IS LOCATED AT A HEIGHT AND HAS LIMITED ACCESS. THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE SITE CONDITIONS AND TAKING APPROPRIATE MEASURES (SAFETY EQUIPMENT, LIFTING EQUIPMENT, ETC.).

**NOTE REGARDING SPRINKLER SYSTEM:**  
THE EXISTING SPRINKLER SYSTEM OBSTRUCTS THE WORK AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE FIRE SAFETY COMPANY "VIRINGS PROTECTION INCENDIE INC" TO TEMPORARILY REMOVE THE RELEVANT SPRINKLER NETWORK.

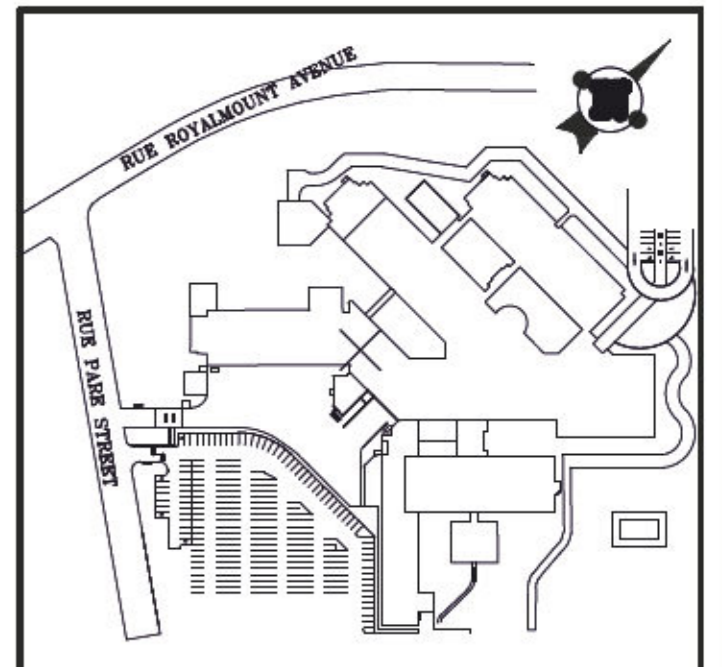


**GENERAL NOTE**

THE TECHNICAL INFORMATION SPECIFIED IN THE TABLE ABOVE IS PROVIDED FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR MUST VERIFY THE CONDITIONS ON THE CONSTRUCTION SITE AND IS RESPONSIBLE FOR VALIDATING THE FOLLOWING TECHNICAL INFORMATION:

- OPENING DIMENSIONS AND OVERALL DIMENSIONS,
- TYPES OF BLADE,
- TYPES OF INSTALLATION.

Table of proposed shutters								
System	Opening dimensions in mm (Width x Height)	Overall dimensions in mm (Width x Height)	Thickness in mm	Installation (Horizontal/Vertical)	Blades (Parallel/Opposed)	Type of installation	Brand	Model
V-401	1830 x 912	1930 x 1013	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series
V-402	1830 x 912	1930 x 1013	162,6	Horizontal	Parallel	In duct	TAMCO	9000 series



Notes:

**DO NOT USE FOR CONSTRUCTION**

Engineer:

Architect:

Date	Description	By	App
2023-07-17	FOR TENDERS	E.B.T.	X.B.
2023-04-14	FOR COMMENTS 90%	E.B.T.	X.B.

Consultant:

**NEOKA**  
Project Services Inc.  
635 Sherbrooke St W, suite 1000  
Montreal, Quebec, H3A 1E4  
CANADA  
(514) 382-5718  
https://neoka-services.com

Seal:



Prepared by: A.L. Verified by: M.L.D.

Drawn by: E.B.T. Approved by: X.B.

Date: 2023-01-27 Scale: NONE

Client:



Project:  
**REPLACEMENT  
OF MOTORIZED DAMPERS**

Description:  
**MECHANICAL - VENTILATION  
DEMOLITION 6/6**

Project #: 075-CC47-PR03 Code: DD Drawing #: ME955 Rev: 00