

ISSUED FOR TENDER

2014/01/09



Public Works and
Government Services Canada

Travaux publics et
Services gouvernementaux Canada

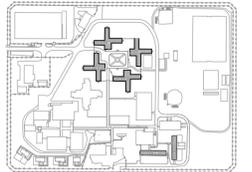
CAMPBELLFORD, ONTARIO CORRECTIONAL SERVICES CANADA

WARKWORTH INSTITUTION, 15847 COUNTY ROAD 29

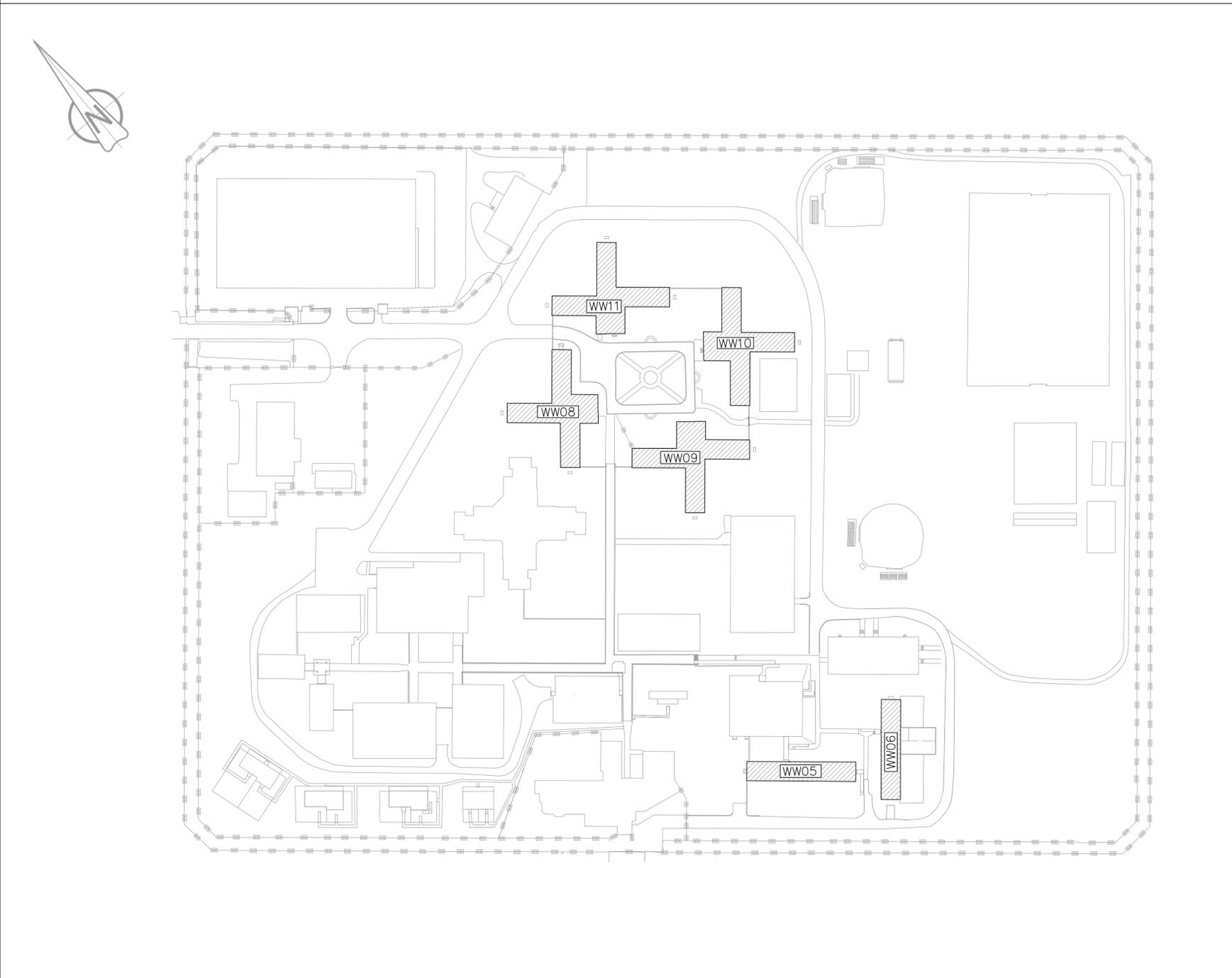
Public Works and
Government Services Canada
Architectural and Engineering Services
Ontario Region
Travaux publics et
Services gouvernementaux Canada
Services d'architecture et de génie
Région de l'Ontario

DESSAU Dessau inc.
2625 Queensview Drive, Suite 105
Oshawa, Ontario, K2H 9K2
Telephone: 613-226-9667
Fax: 613-226-7889
www.dessau.com

Key Plan



KEY PLAN



COVER PAGE & KEY PLAN

G401 COVER PAGE, KEY PLAN & DRAWING LIST

MECHANICAL DRAWINGS LIST

A001	BUILDING WW05 & WW06 FLOOR 1--PAINTING	
A002	BUILDINGS WW; 08, 09, 10 & 11 LOWER AND FLOOR 1--PAINTING	LEVEL
A003	BUILDINGS WW; 08, 09, 10 & 11 FLOOR 2--PAINTING	
M401	MECHANICAL LEGEND	
M402	BUILDING WW05 FLOOR 1 AND ATTIC EXISTING HVAC LAYOUT	
M403	BUILDING WW06 FLOOR 1 AND ATTIC EXISTING HVAC LAYOUT	
M404	BUILDINGS WW; 08, 09, 10 & 11 LOWER LEVEL AND FLOOR 1 EXISTING HVAC LAYOUT	
M405	BUILDINGS WW; 08, 09, 10 & 11 FLOOR 2 EXISTING HVAC LAYOUT	
M406	BUILDINGS WW; 08, 09, 10 & 11 UPPER MECHANICAL ROOM AND ATTIC SPACE EXISTING HVAC LAYOUT	

BUILDING INDEX

WW05	RECEPTION CELLS BUILDING
WW06	DISSOCIATION CELLS BUILDING
WW08	ACCOMMODATION BUILDING (UNIT 4)
WW09	ACCOMMODATION BUILDING (UNIT 1)
WW10	ACCOMMODATION BUILDING (UNIT 2)
WW11	ACCOMMODATION BUILDING (UNIT 3)

Do not scale drawings.
Verify all dimensions and conditions on site and immediately notify the departmental representative of all discrepancies.

	A	Detail No.
	B	drawing no. - where detail required
	C	drawing no. - where detailed

project title
CAMPBELLFORD Ontario
CORRECTIONAL SERVICE CANADA
WARKWORTH INSTITUTION
15847 COUNTY ROAD 29
**LIVING UNITS
DUCT CLEANING**

drawing title
**COVER PAGE, KEY PLAN &
DRAWING LIST**

drawn by
C. McGee / C. Rivard

designed by
C. Rivard

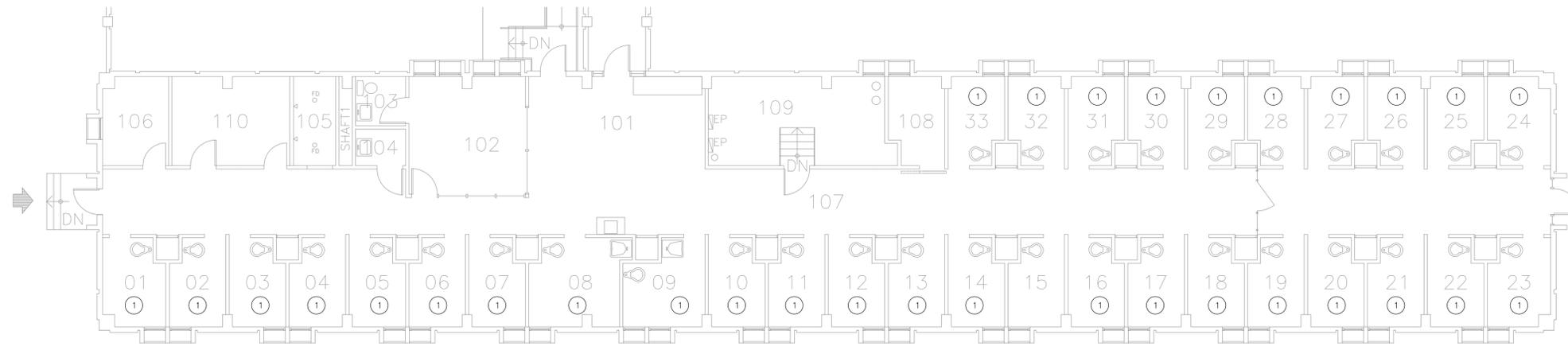
approved by
G.Lynch, P.Eng.

bid
O. Tabarez project manager

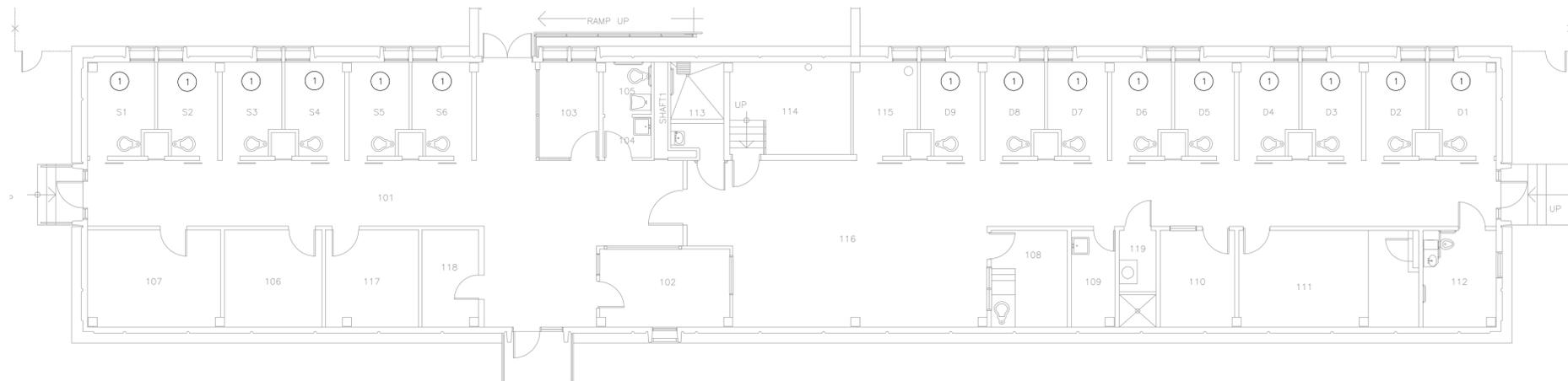
project date
2014-01-09

project no.
R.033222.001

drawing no.
G401



1
A001 **BUILDING WW05 FLOOR 1**
SITE LAYOUT
SCALE: 1:100



2
A001 **BUILDING WW06 FLOOR 1**
SITE LAYOUT
SCALE: 1:100

GENERAL NOTES

1. WALL COLOR TO MATCH EXISTING. DOOR FRAME COLOR TO BE PROVIDED BY CLIENT. SUBMIT SAMPLE FOR REVIEW.

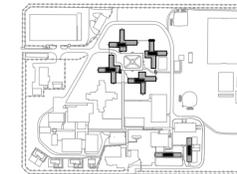
DRAWING NOTES

1. PREPARE EXISTING SURFACES FOR THE APPLICATION OF TWO NEW COATS OF PAINT. NEW PAINT TO BE APPLIED TO EXISTING WALLS AND DOOR FRAMES (TYPICAL) FOR ALL CELLS.

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CORRECTIONAL SERVICE CANADA
WARKWORTH INSTITUTION
15847 COUNTY ROAD 29
LIVING UNITS
DUCT CLEANING

drawing title
BUILDING WW05 & WW06
FLOOR 1
SITE LAYOUT

PAINTING
drawn by
K.Ayoub

designed by
K.Ayoub

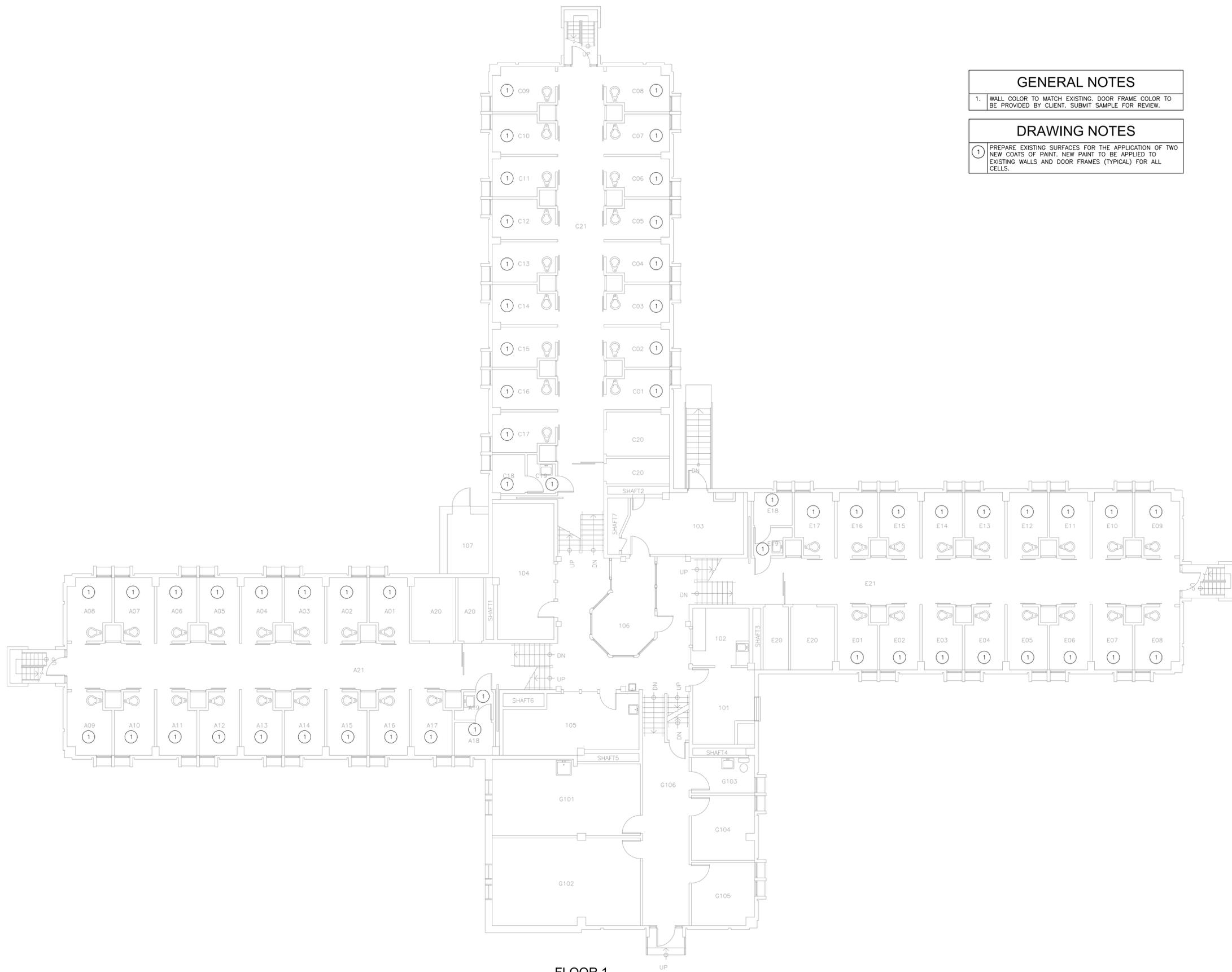
approved by
G.Lynch P.Eng.

bid
O. Tabarez project manager

project date
2014-01-09

project no.
R.033222.001

drawing no.
A001



1
A002

**FLOOR 1
SITE LAYOUT**
SCALE: 1:100

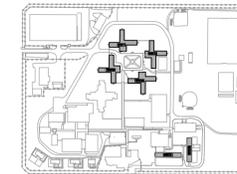
- GENERAL NOTES**
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- DRAWING NOTES**
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WARKWORTH INSTITUTION
15847 COUNTY ROAD 29
**LIVING UNITS
DUCT CLEANING**

drawing title
**BUILDINGS WW; 08, 09, 10 & 11
LOWER LEVEL AND FLOOR 1
SITE LAYOUT**

PAINTING
drawn by
K.Ayoub

designed by
K.Ayoub

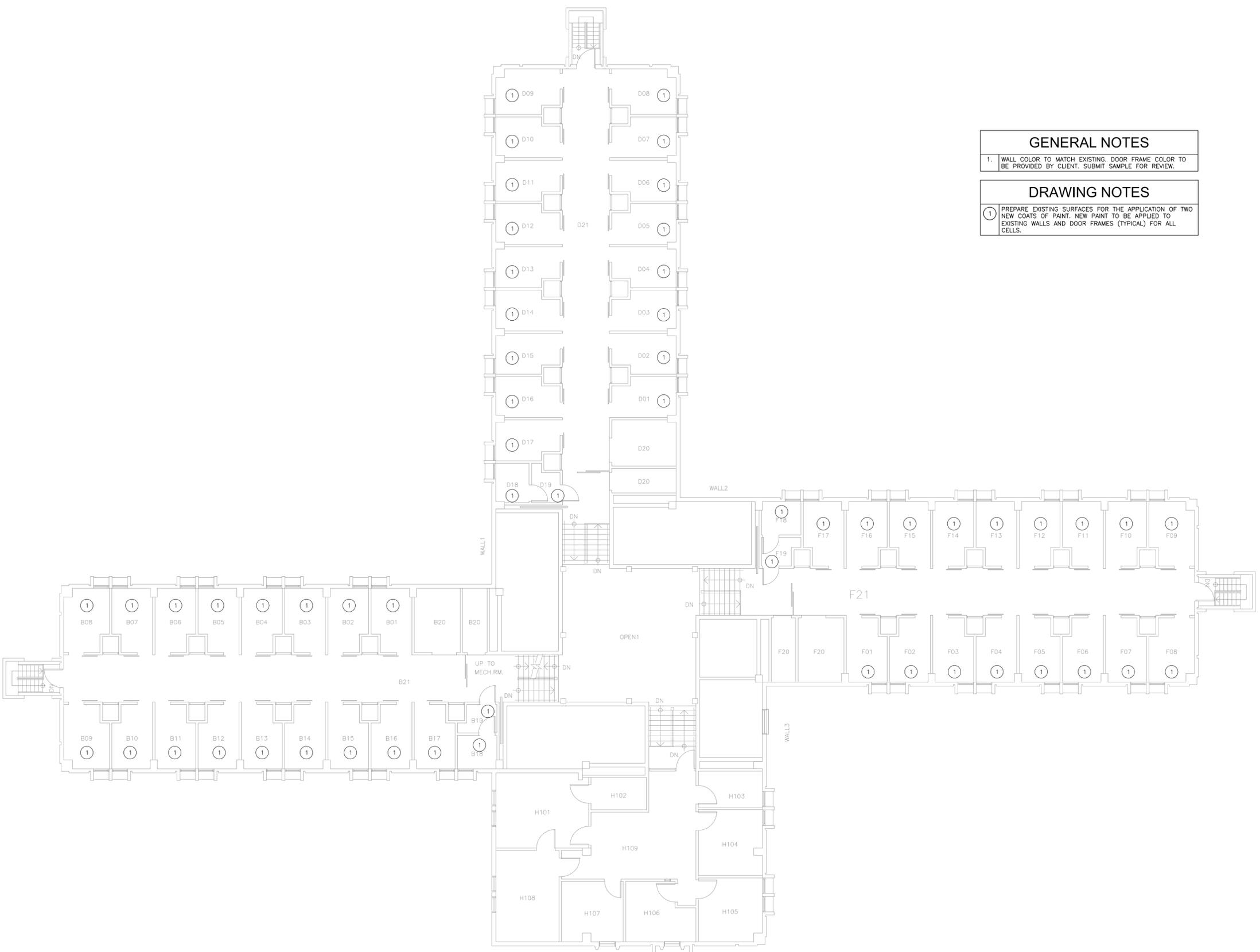
approved by
G.Lynch, P.Eng.

bid
O. Tabarez project manager

project date
2014-01-09

project no.
R.033222.001

drawing no.
A002



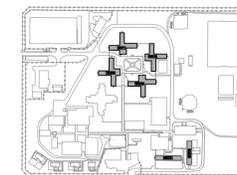
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DRAWING NOTES

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Key Plan



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 CORRECTIONAL SERVICE CANADA
 WARKWORTH INSTITUTION
 15847 COUNTY ROAD 29
**LIVING UNITS
 DUCT CLEANING**

drawing title
**BUILDINGS WW; 08, 09, 10 & 11
 FLOOR 2
 SITE LAYOUT**

PAINTING
 drawn by K.Ayoub

designed by K.Ayoub

approved by G.Lynch, P.Eng.

bid O. Tabarez project manager

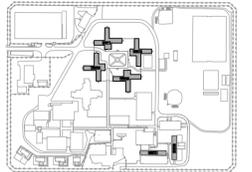
project date 2014-01-09

project no. R.033222.001

drawing no. A003

1 FLOOR 2 SITE LAYOUT
 SCALE: 1:100

Key Plan



VENTILATION

	DUCT
	UNDERGROUND DUCTWORK CAST IN CONCRETE SLAB
	SUPPLY ROUND DUCT GOING UP
	EXHAUST OR RETURN ROUND DUCT GOING UP
	SUPPLY RECTANGULAR DUCT GOING UP
	EXHAUST OR RETURN RECTANGULAR DUCT GOING UP
	SUPPLY ROUND DUCT GOING DOWN
	EXHAUST OR RETURN ROUND DUCT GOING DOWN
	SUPPLY RECTANGULAR DUCT GOING DOWN
	EXHAUST OR RETURN RECTANGULAR DUCT GOING DOWN
	RECTANGULAR TO ROUND TRANSITION
	RECTANGULAR OR ROUND TRANSITION
	FLEXIBLE DUCT
	90° ELBOW WITH GUIDE VANES
	RETURN OR EXHAUST GRILLE
	FLOOR SUPPLY GRILLE
	SIDEWALL SUPPLY GRILLE
	SIDEWALL RETURN GRILLE
	TRANSFER GRILLE IN A DOOR
	UNDER DOOR AIR TRANSFER
	DUCT FILTER
	SILENCER
	FLEXIBLE CONNECTOR
	FIRE DAMPER
	MOTORIZED FIRE & SMOKE DAMPER
	MANUAL SINGLE BLADE BALANCING DAMPER
	MANUAL ADJUSTMENT DAMPER IN TAKEOFF
	MANUAL DAMPER WITH PARALLEL BLADES
	MANUAL DAMPER WITH OPPOSED BLADES
	MOTORIZED DAMPER WITH OPPOSED BLADES
	MOTORIZED DAMPER WITH PARALLEL BLADES
	JET HUMIDIFIER
	BACKDRAFT DAMPER
	ACCESS DOOR

* THE SYMBOLIC DIFFERENCE BETWEEN EXISTING AND NEW ELEMENTS IS USED ONLY WHEN BOTH EXISTING AND NEW ELEMENTS ARE SHOWN SIMULTANEOUSLY ON DRAWINGS. OTHERWISE, THE STANDARD SYMBOLISM IS USED (FULL LINEWEIGHT).

IDENTIFICATION

IDENTIFICATION OF GRILLES AND DIFFUSERS

DIMENSIONS, LENGTH BY WIDTH
QUANTITY
FLOW IN LITERS PER SECOND
TYPE

GENERAL SYMBOLS

	ROOM NUMBER
	SLOPE
	EQUIPMENT REFERENCE
	NOTE REFERENCE
	EXISTING TO REMOVE *
	EXISTING TO REMAIN *
	CONNECTION TO EXISTING *
	ELEVATION
	MODIFICATION REFERENCE
	PLAN REFERENCE
	DETAIL REFERENCE
	DETAIL IMPLANTATION
	SECTION REFERENCE
	SECTION IMPLANTATION
	NORTH INDICATOR

1 DESCRIPTION
M001 SCALE: X:Y

A SECTION
M001 SCALE: X:Y

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02	ISSUED FOR TENDER	2014/01/19
01	RE-ISSUED FOR TENDER	2013/05/28
00	ISSUED FOR TENDER	2013/04/19
0B	ISSUED FOR 99% REVIEW	2013/03/27
0A	ISSUED FOR 66% REVIEW	2013/02/11

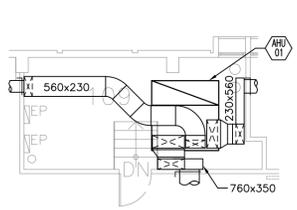
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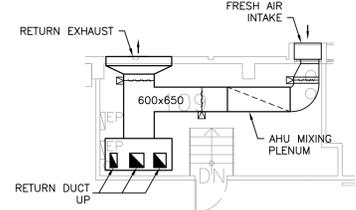
project title
CAMPBELLFORD Ontario
CORRECTIONAL SERVICE CANADA
WARKWORTH INSTITUTION
15847 COUNTY ROAD 29
**LIVING UNITS
DUCT CLEANING**

drawing title
**MECHANICAL
LEGEND**

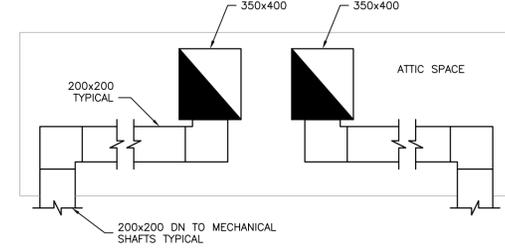
drawn by	C. McGee / C. Rivard
designed by	C. Rivard
approved by	G.Lynch, P.Eng.
bid	O. Tabarez project manager
project date	2014-01-09
project no.	R.033222.001
drawing no.	M401



3 BUILDING WW05 FLOOR 1 MECHANICAL ROOM LOWER LEVEL
M402 SCALE: 1:100



4 BUILDING WW05 FLOOR 1 MECHANICAL ROOM UPPER LEVEL
M402 SCALE: 1:100



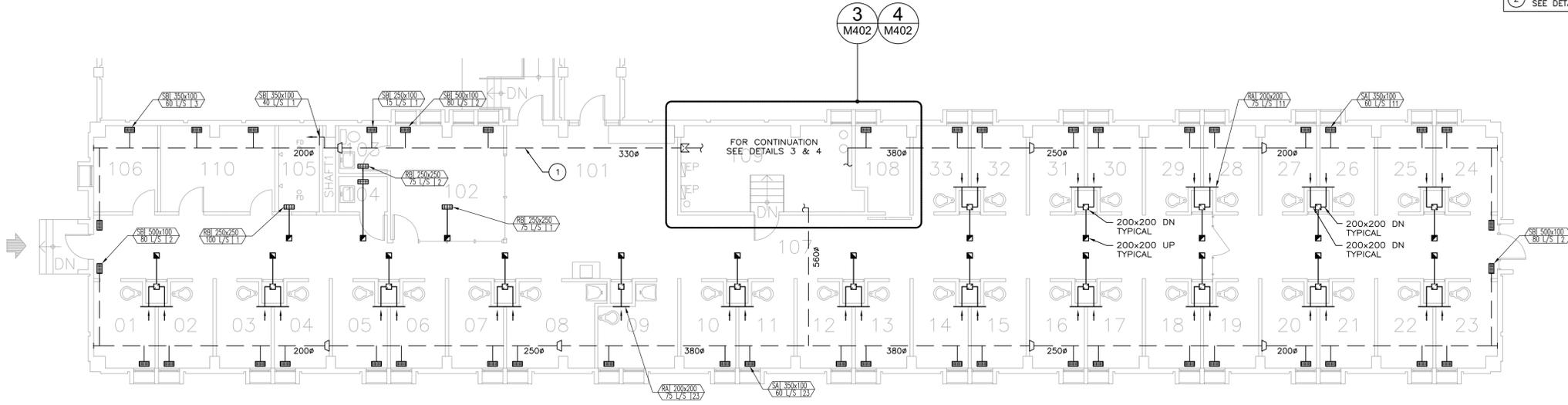
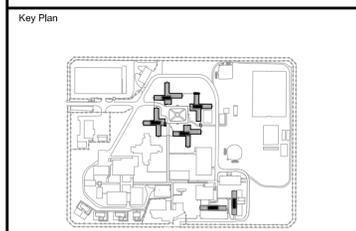
A BRANCH CONNECTION DETAIL
M402 SCALE: 1:20

- ### GENERAL NOTES
1. ALL DUCTWORK SHOWN TO BE COMPLETELY CLEANED INTERNALLY ALONG THE FULL LENGTH OF DUCTWORK INDICATED IN THIS DRAWING. ENSURE DUCT IS MAINTAINED UNDER NEGATIVE PRESSURE AT ALL TIMES DURING CLEANING OPERATIONS. PROTECT FINISHED AREAS FROM DUST, CLEAN ANY AND ALL RESIDUE FROM FINISHED AREAS FOLLOWING CLEANING OPERATIONS.
 2. CLEAN THE INTERIOR OF THE AIR HANDLERS INCLUDING FAN WHEEL BLADES.
 3. COMPLETE ALL DUCT CLEANING AND REMIT VIDEO MEDIA TO DEPARTMENTAL REPRESENTATIVE AFTER COMPLETION OF WORK. VIDEO INSPECTION SHALL COVER 100% OF DUCT LENGTH.
 4. REMOVE SUPPLY RETURN GRILLES WHILE CONNECTED DUCTWORK IS MAINTAINED UNDER NEGATIVE PRESSURE. THOROUGHLY CLEAN GRILLES AND RE-INSTALL USING FASTENING METHODS APPROVED BY DEPARTMENTAL REPRESENTATIVE.
 5. FOR FLOOR SUPPLY GRILLE TYPE SA, CONTRACTOR TO REMOVE AND CLEAN BOTH THE SUPPLY GRILLE MOUNTED TO THE CONCRETE CURB AND THE DAMPER MECHANISM MOUNTED TO THE CONCRETE SLAB OPENING.
 6. CONTRACTOR TO ALLOW FOR REPLACEMENT OF 10% OF ALL SUPPLY AND RETURN GRILLES. TYPE INDICATED ON PLAN IS IN THE CASE OF REPLACEMENT. GRILLES ARE TO BE REPLACED IF DAMAGED BEYOND CLEANING AND/OR REPAIR. BALANCE GRILLES TO AIRFLOW INDICATED.

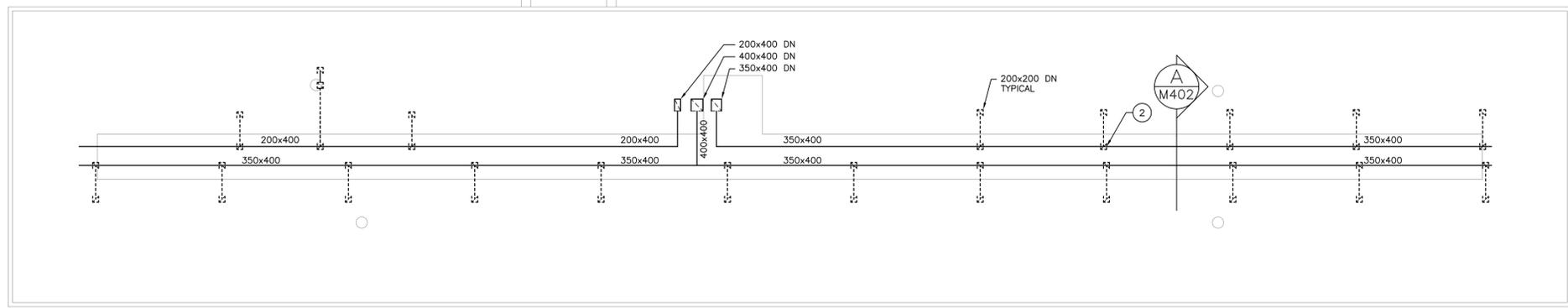
- ### DRAWING NOTES
- 1 UNDERGROUND DUCTWORK ENCASED IN CONCRETE, TYPICAL.
 - 2 BRANCH CONNECTION TAKEN OFF BOTTOM OF MAIN DUCT. SEE DETAIL.

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1 BUILDING WW05 FLOOR 1 EXISTING HVAC LAYOUT
M402 SCALE: 1:100



2 BUILDING WW05 ATTIC EXISTING HVAC LAYOUT
M402 SCALE: 1:100

revision	description	date
02	ISSUED FOR TENDER	2014/01/09
01	RE-ISSUED FOR TENDER	2013/05/28
00	ISSUED FOR TENDER	2013/04/19
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CORRECTIONAL SERVICE CANADA
WARKWORTH INSTITUTION
15847 COUNTY ROAD 29
LIVING UNITS DUCT CLEANING

drawing title
BUILDING WW05 FLOOR 1 AND ATTIC EXISTING HVAC LAYOUT

drawn by
C. McGee / C. Rivard

designed by
C. Rivard

approved by
G. Lynch, P.Eng.

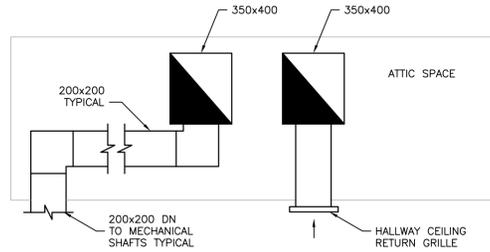
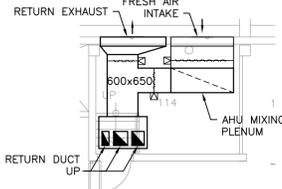
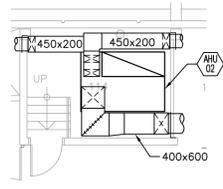
bid
O. Tabarez project manager

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M402

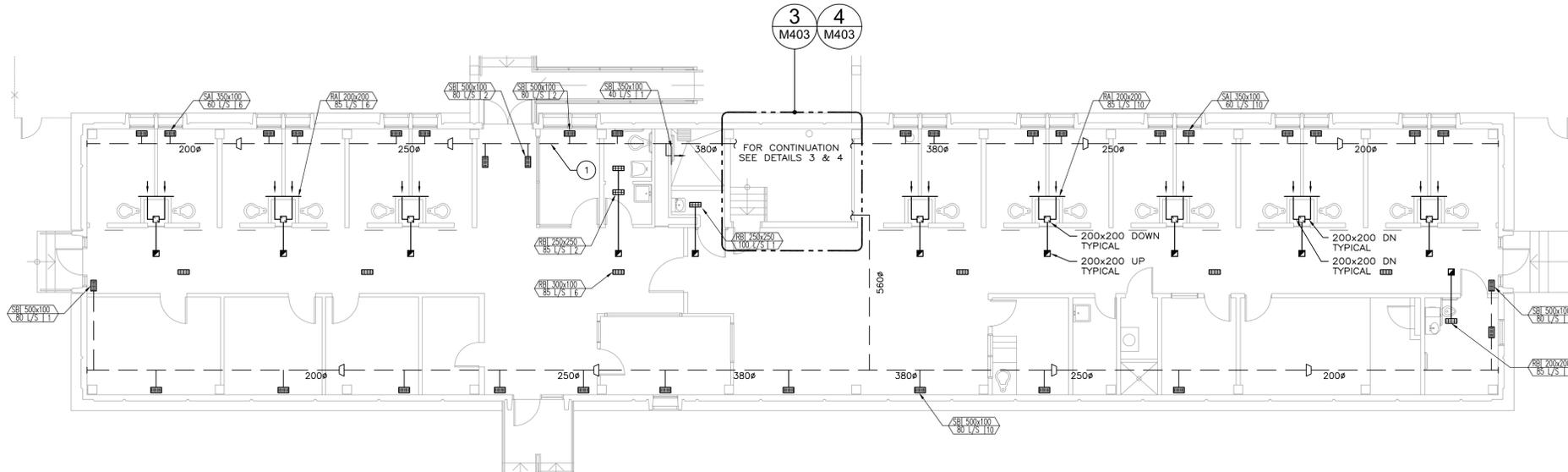
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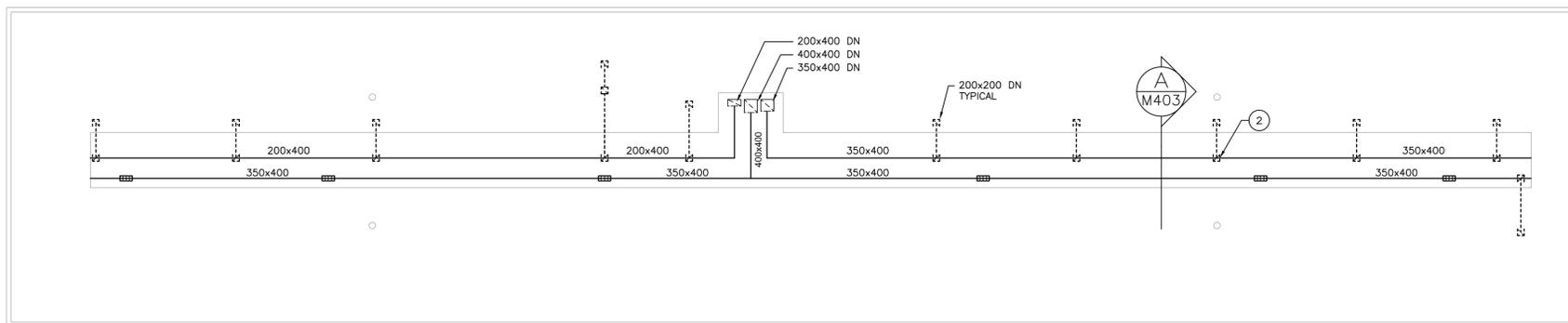
3
M403 BUILDING WW06 FLOOR 1
MECHANICAL ROOM LOWER LEVEL
SCALE: 1:100

4
M403 BUILDING WW06 FLOOR 1
MECHANICAL ROOM UPPER LEVEL
SCALE: 1:100

A
M403 BRANCH CONNECTION DETAIL
SCALE: 1:20



1
M403 BUILDING WW06 FLOOR 1
EXISTING HVAC LAYOUT
SCALE: 1:100



2
M403 BUILDING WW06 ATTIC
EXISTING HVAC LAYOUT
SCALE: 1:100

GENERAL NOTES

1. ALL DUCTWORK SHOWN TO BE COMPLETELY CLEANED INTERNALLY ALONG THE FULL LENGTH OF DUCTWORK INDICATED IN THIS DRAWING. ENSURE DUCT IS MAINTAINED UNDER NEGATIVE PRESSURE AT ALL TIMES DURING CLEANING OPERATIONS. PROTECT FINISHED AREAS FROM DUST, CLEAN ANY AND ALL RESIDUE FROM FINISHED AREAS FOLLOWING CLEANING OPERATIONS.
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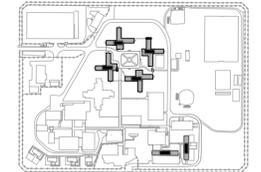
DRAWING NOTES

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WARKWORTH INSTITUTION
15847 COUNTY ROAD 29
**LIVING UNITS
DUCT CLEANING**

drawing title
**BUILDING WW06
FLOOR 1 AND ATTIC
EXISTING HVAC LAYOUT**

drawn by
C. McGee / C. Rivard

designed by
C. Rivard

approved by
G. Lynch, P.Eng.

bid
O. Tabarez project manager

project date
2014-01-09

project no.
R.033222.001

drawing no.
M403

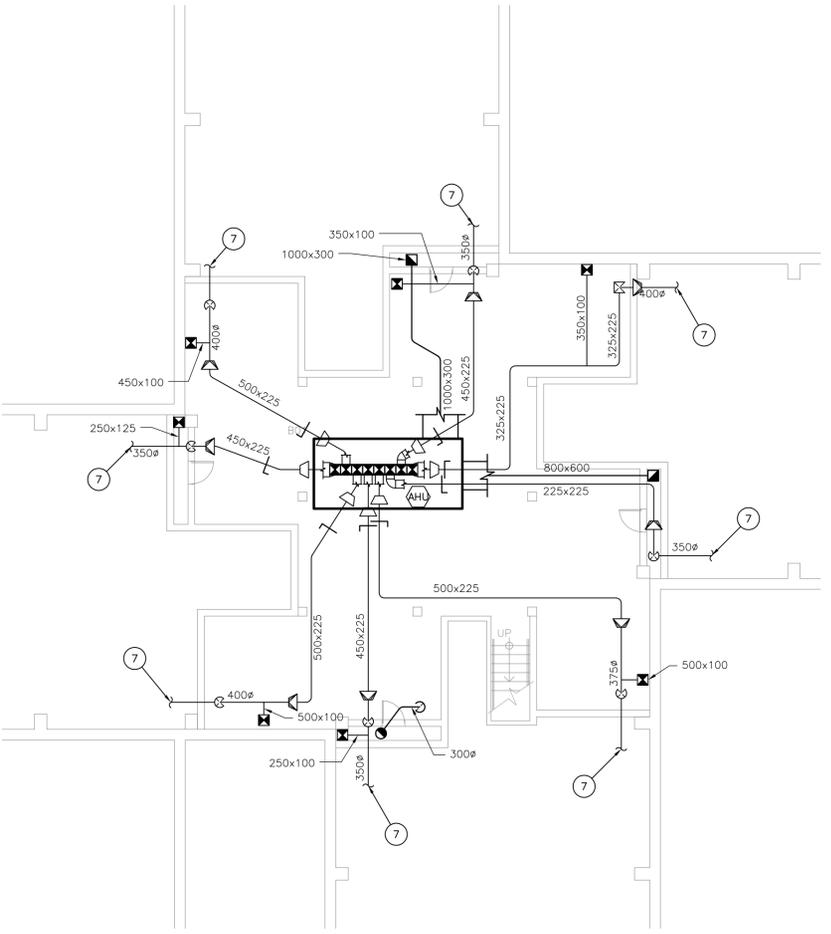
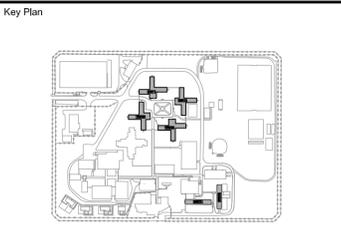
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- ### DRAWING NOTES
- 1 SUPPLY DUCT BENEATH FLOOR FROM BASEMENT MECHANICAL ROOM.
 - 2 DUCTWORK FROM BASEMENT MECHANICAL ROOM. REFER TO M404, DETAIL 2 FOR CONTINUATION.
 - 3 350x100mm SUPPLY DUCT UP FROM BENEATH FLOOR TO SUPPLY GRILLE WITHIN LIVING QUARTERS. TYPICAL FOR WINGS A, C, AND E.
 - 4 500x100mm SUPPLY DUCT UP FROM BENEATH FLOOR TO SUPPLY GRILLE WITHIN ROOM C18. TYPICAL OF WINGS A, C, AND E.
 - 5 200x200mm RETURN GRILLE FROM LIVING QUARTERS INTO MECHANICAL SHAFT. TYPICAL OF WINGS A, C, AND E.
 - 6 250x100mm SUPPLY DUCT FROM BENEATH FLOOR TO SUPPLY GRILLE IN WING HALLWAY. TYPICAL OF WINGS A, C, AND E.
 - 7 DUCTWORK TO BELOW 1ST FLOOR LIVING QUARTERS. REFER TO M404, DETAIL 1 FOR CONTINUATION.
 - 8 DUCTWORK BENEATH FLOOR FEEDING WING G WITH SUPPLY GRILLES IN FLOOR.
 - 9 SUPPLY GRILLE IN FLOOR FED FROM BASEMENT MECHANICAL ROOM BRANCH DUCTWORK.
 - 10 SUPPLY DUCT THROUGH WALL INTO FINISHED CEILING. ROUTING UNKNOWN.
 - 11 RETURN MIXED AIR DUCT FROM UPPER MECHANICAL ROOM. REFER TO M406 FOR CONTINUATION.
 - 12 RETURN MIXED AIR DUCT TO LOWER MECHANICAL ROOM. REFER TO M404, DETAIL 2 FOR CONTINUATION.
 - 13 TRANSFER GRILLE IN CEILING.
 - 14 RETURN GRILLE IN CEILING.

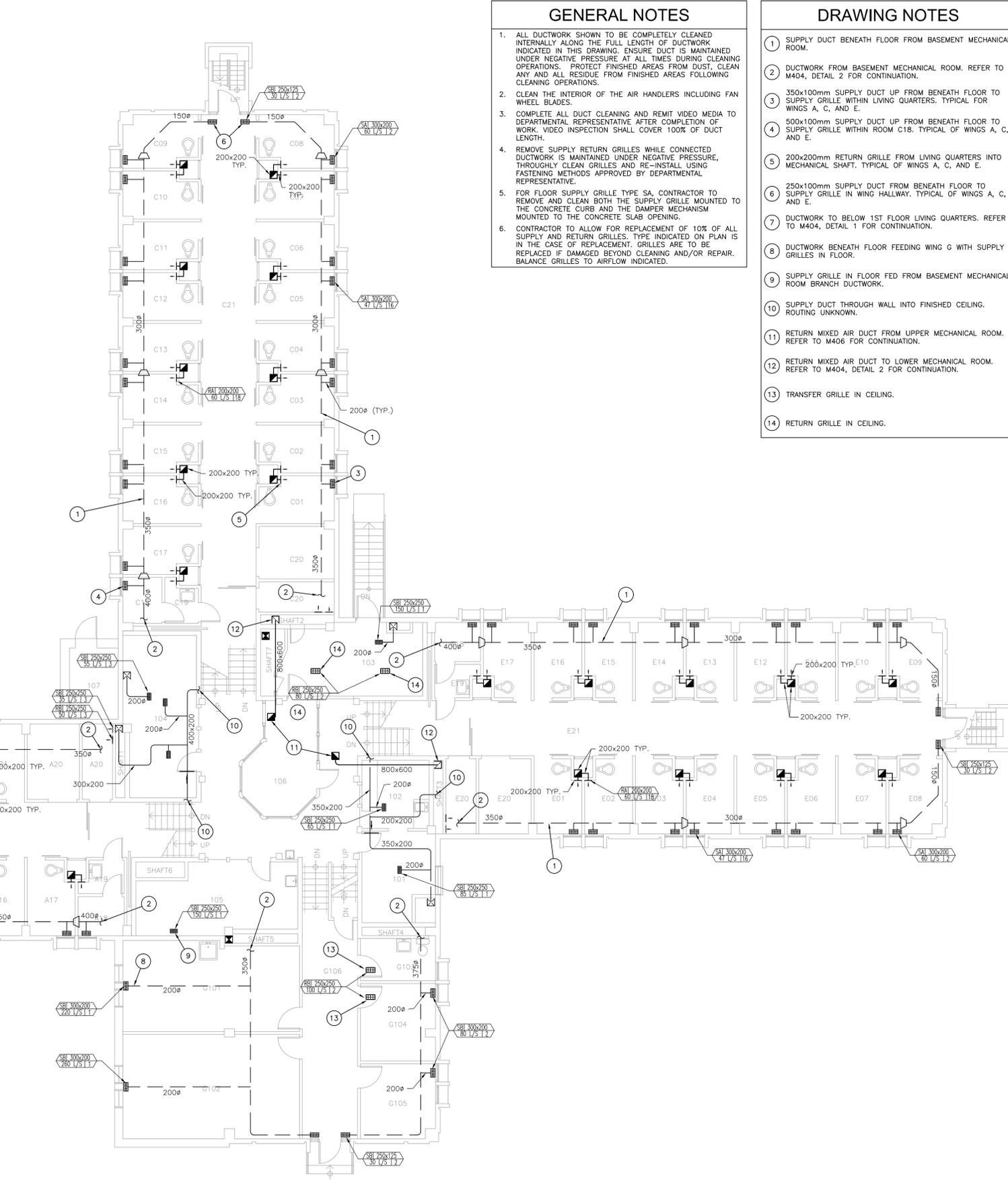
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2 LOWER LEVEL MECHANICAL ROOM EXISTING HVAC LAYOUT
 SCALE: 1:100



1 FLOOR 1 EXISTING HVAC LAYOUT
 SCALE: 1:100

revision	description	date
02	ISSUED FOR TENDER	2014/01/09
01	RE-ISSUED FOR TENDER	2013/05/28
00	ISSUED FOR TENDER	2013/04/19
0B	ISSUED FOR 99% REVIEW	2013/03/27
0A	ISSUED FOR 66% REVIEW	2013/02/11

Do not scale drawings. Verify all dimensions and conditions on site and immediately notify the departmental representative of all discrepancies.

- A Detail No.
- B drawing no. - where detail required
- C drawing no. - where detailed

project title
CAMPBELLFORD Ontario
CORRECTIONAL SERVICE CANADA
WARKWORTH INSTITUTION
 15847 COUNTY ROAD 29
LIVING UNITS
DUCT CLEANING

drawing title
BUILDINGS WW; 08, 09, 10 & 11
LOWER LEVEL AND FLOOR 1
EXISTING HVAC LAYOUT

drawn by
 C. McGee / C. Rivard

designed by
 C. McGee

approved by
 G. Lynch, P.Eng.

bid
 O. Tabarez project manager

project date
 2014-01-09

project no.
 R.033222.001

drawing no.
 M404

Project: 034 P034593.0300.000 MB M404 02
 Date: 2014-01-09
 Drawn: C. McGee
 Checked: C. McGee
 Scale: 1:100
 Sheet: 02 of 02



1
FLOOR 2
EXISTING HVAC LAYOUT
SCALE: 1:100

GENERAL NOTES

1. ALL DUCTWORK SHOWN TO BE COMPLETELY CLEANED INTERNALLY ALONG THE FULL LENGTH OF DUCTWORK INDICATED IN THIS DRAWING. ENSURE DUCT IS MAINTAINED UNDER NEGATIVE PRESSURE AT ALL TIMES DURING CLEANING OPERATIONS. PROTECT FINISHED AREAS FROM DUST, CLEAN ANY AND ALL RESIDUE FROM FINISHED AREAS FOLLOWING CLEANING OPERATIONS.
2. CLEAN THE INTERIOR OF THE AIR HANDLERS INCLUDING FAN WHEEL BLADES.
3. COMPLETE ALL DUCT CLEANING AND REMIT VIDEO MEDIA TO DEPARTMENTAL REPRESENTATIVE AFTER COMPLETION OF WORK. VIDEO INSPECTION SHALL COVER 100% OF DUCT LENGTH.
4. REMOVE SUPPLY RETURN GRILLES WHILE CONNECTED DUCTWORK IS MAINTAINED UNDER NEGATIVE PRESSURE. THOROUGHLY CLEAN GRILLES AND RE-INSTALL USING FASTENING METHODS APPROVED BY DEPARTMENTAL REPRESENTATIVE.
5. FOR FLOOR SUPPLY GRILLE TYPE SA, CONTRACTOR TO REMOVE AND CLEAN BOTH THE SUPPLY GRILLE MOUNTED TO THE CONCRETE CURB AND THE DAMPER MECHANISM MOUNTED TO THE CONCRETE SLAB OPENING.
6. CONTRACTOR TO ALLOW FOR REPLACEMENT OF 10% OF ALL SUPPLY AND RETURN GRILLES. TYPE INDICATED ON PLAN IS IN THE CASE OF REPLACEMENT. GRILLES ARE TO BE REPLACED IF DAMAGED BEYOND CLEANING AND/OR REPAIR. BALANCE GRILLES TO AIRFLOW INDICATED.

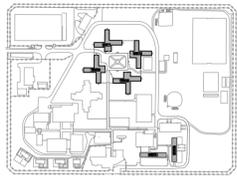
DRAWING NOTES

- 1 200x200mm RETURN DUCTWORK UP FROM FIRST FLOOR LIVING QUARTERS. TYPICAL OF WINGS B, D, AND F.
- 2 300x200mm SUPPLY GRILLE FOR LIVING QUARTERS FED FROM CEILING SUPPLY DUCTWORK WITHIN SLAB. TYPICAL OF WINGS B, D, AND F.
- 3 200x200mm RETURN DUCTWORK UP TO CEILING SPACE. TYPICAL OF WINGS B, D, AND F.
- 4 250x100mm SUPPLY GRILLES FOR HALLWAY FED FROM CEILING SUPPLY DUCTWORK. TYPICAL OF WINGS B, D, AND F.

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Key Plan



revision	description	date
02	ISSUED FOR TENDER	2014/01/09
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00	ISSUED FOR TENDER	2013/04/19
0B	ISSUED FOR 99% REVIEW	2013/03/27
0A	ISSUED FOR 66% REVIEW	2013/02/11

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- C drawing no. - where detailed

project title
CAMPBELLFORD Ontario
CORRECTIONAL SERVICE CANADA
WARKWORTH INSTITUTION
15847 COUNTY ROAD 29
**LIVING UNITS
DUCT CLEANING**

drawing title
**BUILDINGS WW; 08, 09, 10 & 11
FLOOR 2
EXISTING HVAC LAYOUT**

drawn by
C. McGee / C. Rivard

designed by
C. McGee

approved by
G. Lynch, P.Eng.

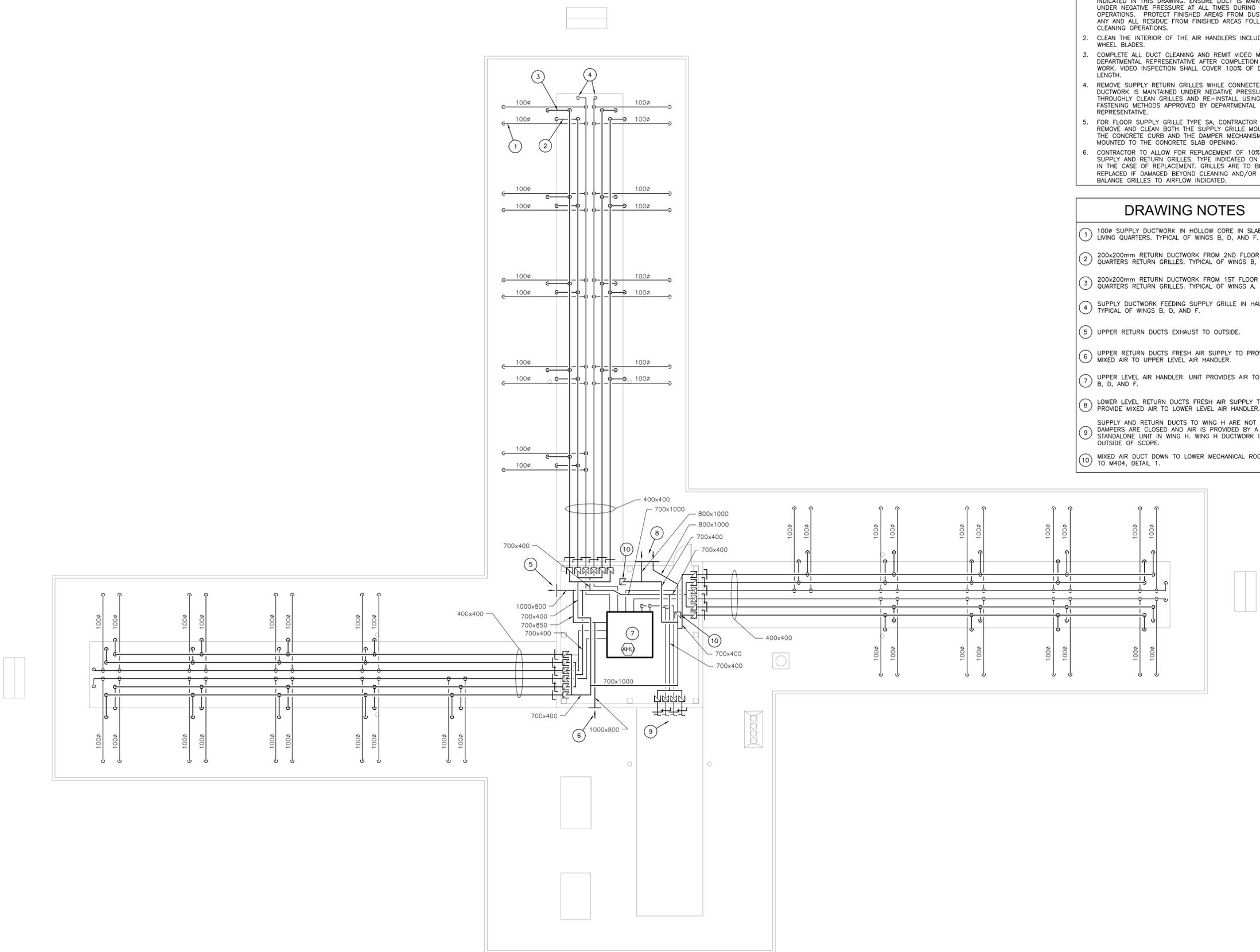
bid
O. Tabarez project manager

project date
2014-01-09

project no.
R.033222.001

drawing no.
M405

034 P034593.0300.000 MB M405 02



GENERAL NOTES

1. ALL DUCTWORK SHOWN TO BE COMPLETELY CLEANED INTERNALLY ALONG THE FULL LENGTH OF DUCTWORK INDICATED IN THIS DRAWING. ENSURE DUCT IS MAINTAINED UNDER NEGATIVE PRESSURE AT ALL TIMES DURING CLEANING OPERATIONS. PROTECT FINISHED AREAS FROM DUST, CLEAN ANY AND ALL RESIDUE FROM FINISHED AREAS FOLLOWING CLEANING OPERATIONS.
2. CLEAN THE INTERIOR OF THE AIR HANDLERS INCLUDING FAN WHEEL BLADES.
3. COMPLETE ALL DUCT CLEANING AND REMIT VIDEO MEDIA TO DEPARTMENTAL REPRESENTATIVE AFTER COMPLETION OF WORK. VIDEO INSPECTION SHALL COVER 100% OF DUCT LENGTH.
4. REMOVE SUPPLY RETURN GRILLES WHILE CONNECTED DUCTWORK IS MAINTAINED UNDER NEGATIVE PRESSURE. THOROUGHLY CLEAN GRILLES AND RE-INSTALL USING FASTENING METHODS APPROVED BY DEPARTMENTAL REPRESENTATIVE.
5. FOR FLOOR SUPPLY GRILLE TYPE SA, CONTRACTOR TO REMOVE AND CLEAN BOTH THE SUPPLY GRILLE MOUNTED TO THE CONCRETE CURB AND THE DAMPER MECHANISM MOUNTED TO THE CONCRETE SLAB OPENING.
6. CONTRACTOR TO ALLOW FOR REPLACEMENT OF 10% OF ALL SUPPLY AND RETURN GRILLES. TYPE INDICATED ON PLAN IS IN THE CASE OF REPLACEMENT. GRILLES ARE TO BE REPLACED IF DAMAGED BEYOND CLEANING AND/OR REPAIR. BALANCE GRILLES TO AIRFLOW INDICATED.

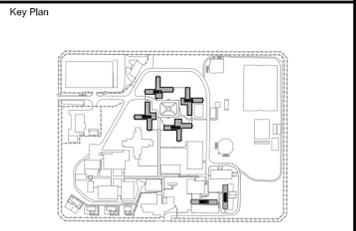
DRAWING NOTES

- 1 100# SUPPLY DUCTWORK IN HOLLOW CORE IN SLAB FEEDING LIVING QUARTERS. TYPICAL OF WINGS B, D, AND F.
- 2 200x200mm RETURN DUCTWORK FROM 2ND FLOOR LIVING QUARTERS RETURN GRILLES. TYPICAL OF WINGS B, D, AND F.
- 3 200x200mm RETURN DUCTWORK FROM 1ST FLOOR LIVING QUARTERS RETURN GRILLES. TYPICAL OF WINGS A, C, AND E.
- 4 SUPPLY DUCTWORK FEEDING SUPPLY GRILLE IN HALLWAY. TYPICAL OF WINGS B, D, AND F.
- 5 UPPER RETURN DUCTS EXHAUST TO OUTSIDE.
- 6 UPPER RETURN DUCTS FRESH AIR SUPPLY TO PROVIDE MIXED AIR TO UPPER LEVEL AIR HANDLER.
- 7 UPPER LEVEL AIR HANDLER. UNIT PROVIDES AIR TO WINGS B, D, AND F.
- 8 LOWER LEVEL RETURN DUCTS FRESH AIR SUPPLY TO PROVIDE MIXED AIR TO LOWER LEVEL AIR HANDLER.
- 9 SUPPLY AND RETURN DUCTS TO WING H ARE NOT IN USE. DAMPERS ARE CLOSED AND AIR IS PROVIDED BY A STANDALONE UNIT IN WING H. WING H DUCTWORK IS OUTSIDE OF SCOPE.
- 10 MIXED AIR DUCT DOWN TO LOWER MECHANICAL ROOM. REFER TO M404, DETAIL 1.

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project title
CAMPBELLFORD Ontario
 CORRECTIONAL SERVICE CANADA
 WARKWORTH INSTITUTION
 15847 COUNTY ROAD 29
LIVING UNITS
DUCT CLEANING

drawing title
BUILDINGS WW; 08, 09, 10 & 11
UPPER MECHANICAL ROOM & CEILING CRAWL SPACE LAYOUTS

drawn by	C. McGee / C. Rivard	
designed by	C. McGee	
approved by	G. Lynch, P.Eng.	
bid	O. Tabarez	project manager
project date	2014-01-09	
project no.	R.033222.001	
drawing no.	M406	

1
 M406
 UPPER MECHANICAL ROOM & ATTIC SPACES
 EXISTING HVAC LAYOUT
 SCALE: 1:100

034 P034593.0300.000 MB M406 02