

NATIONAL RESEARCH COUNCIL CANADA MONTREAL ROAD CAMPUS

BUILDING M-4 PSO OFFICE RENOVATION

DRAWING LIST

COVER SHEET

ARCHITECTURAL

PARTIAL FLOOR PLAN AND REFLECTED CEILING PLAN – DEMOLITION
 PARTIAL FLOOR PLAN – NEW WORK, DOOR SCHEDULE, ELEVATIONS AND SECTIONS
 PARTIAL FLOOR PLAN – NEW WORK REFLECTED CEILING PLAN AND FINISHES PLAN
 PARTIAL FLOOR PLANS – NEW WORK FURNITURE LAYOUT
 MILLWORK DETAILS

MECHANICAL

MECHANICAL PLANS AND SCHEDULE

ELECTRICAL

ELECTRICAL LAYOUT

DRAWING No.

5251-CS1

5251-A01

5251-A02

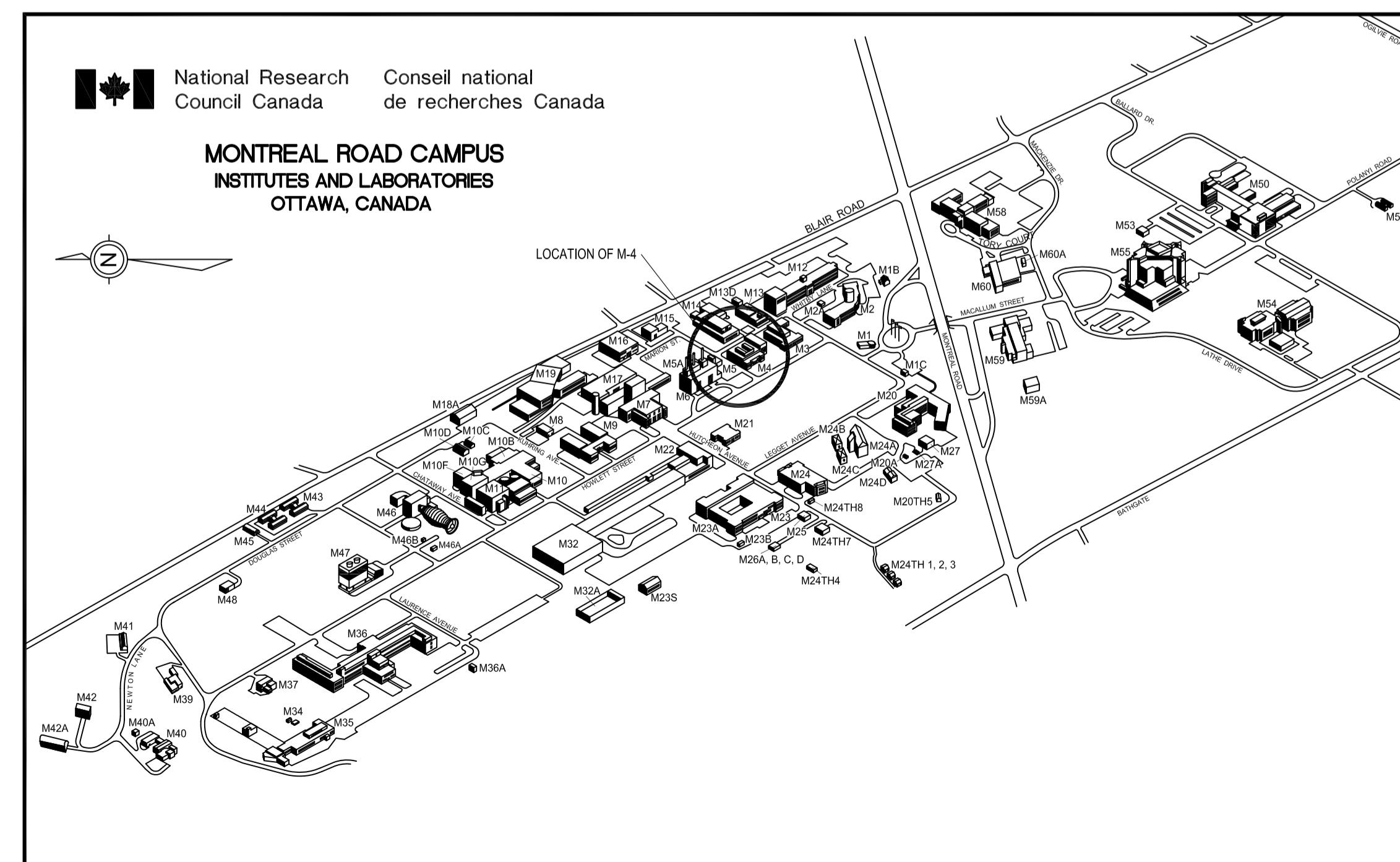
5251-A03

5251-A04

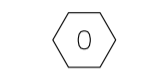




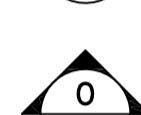

5251-A05

5251-M01

5251-E01



SYMBOL LEGEND (for project)

-  NOTE NUMBER
-  ROOM NUMBER
-  WINDOW TYPE NUMBER
-  DETAIL NUMBER
-  ELEVATION NUMBER
-  SECTION NUMBER
-  NEW OR EXIST. ELEVATION OR LEVEL

KEY PLAN

No.	Date	Revision	By: Par:
0	OCT. 2016	ISSUED FOR TENDER	CE

Date Printed: _____ Date imprimée: _____

- o Verify all dimensions and site conditions and be responsible for same
- o Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité

A C	A Detail no. No. du détail	A B C
	B Location drawing no. sur dessin no.	
	C Drawing no. dessin no.	

project: **M-4 PSO OFFICE FIT-UP** projet

MONTREAL ROAD CAMPUS

COVER SHEET

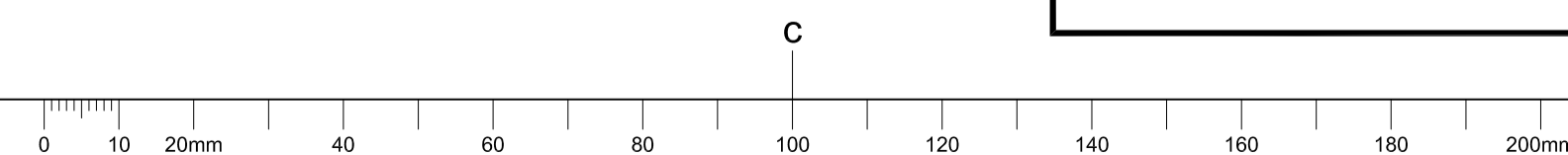
designed **CE** conçu **OCTOBER 2016** date

drawn **CE** dessiné **NTS** scale **NTS** échelle

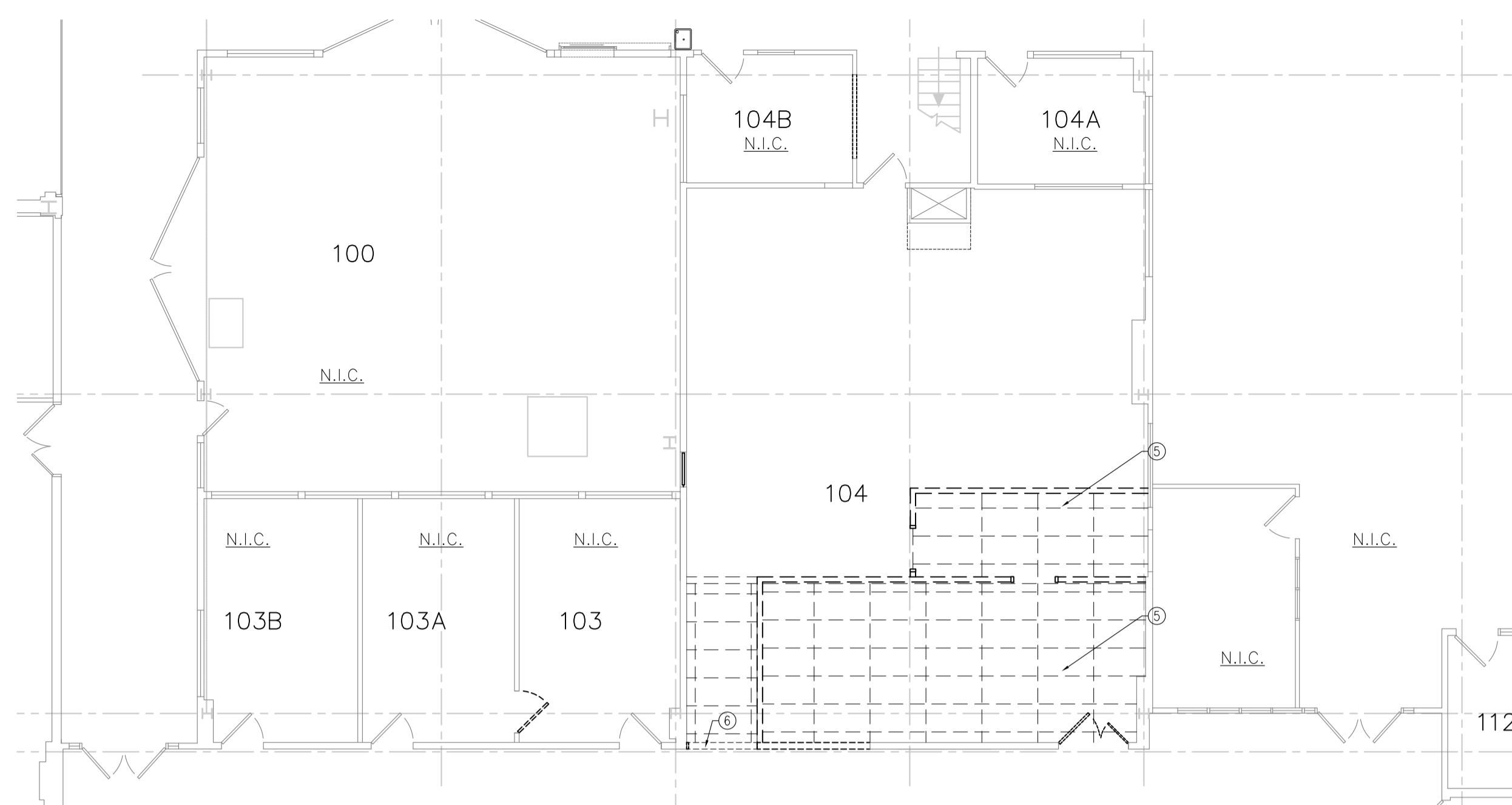
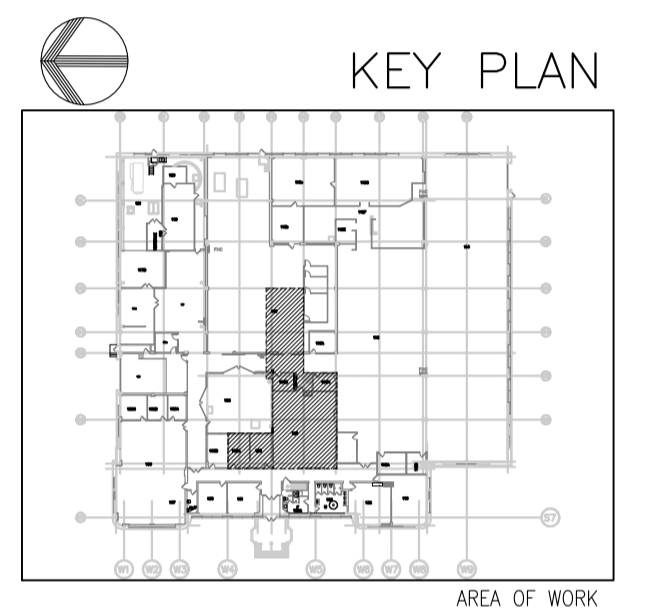
checked _____ vérifié _____ sheet _____ of/de _____ feuille

approved **BV** approuvé **A1-009405-01** W.O.no. D.T.no.

dwg.no. **5251-CS1** dessin no.



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2
A01 SCALE = 1:100

GENERAL NOTES

- PRIOR TO COMMENCEMENT OF WORK, NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES NOTED IN THE CONTRACT DOCUMENTS.
- ALL GRID TO GRID DIMENSIONS ARE PLUS/MINUS. PRIOR TO COMMENCEMENT OF WORK, REVIEW SITE CONDITIONS AND VERIFY ALL DIMENSIONS. NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.
 - DO NOT SCALE DRAWINGS.
 - ALL DIMENSIONS ARE INDICATED IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - SEAL ALL OPENINGS WHERE CABLES, CONDUITS OR PIPES PASS THROUGH WALLS WITH AN ACOUSTIC SEALANT CONFORMING TO CAN/CGSB-19.21-M87.
 - WHERE CABLES, CONDUITS AND PIPES PASS THROUGH FIRE RATED WALLS AND FLOORS, PACK SPACE BETWEEN WITH COMPRESSED GLASS FIBRES AND SEAL WITH FIRE STOP CAULKING IN ACCORDANCE WITH CAN/CGSB-19.13-M87 AND NBC 3.1.7.
 - ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE APPROVAL OF NRC DEPARTMENTAL REPRESENTATIVE.

DRAWING NOTES - SHEET A01

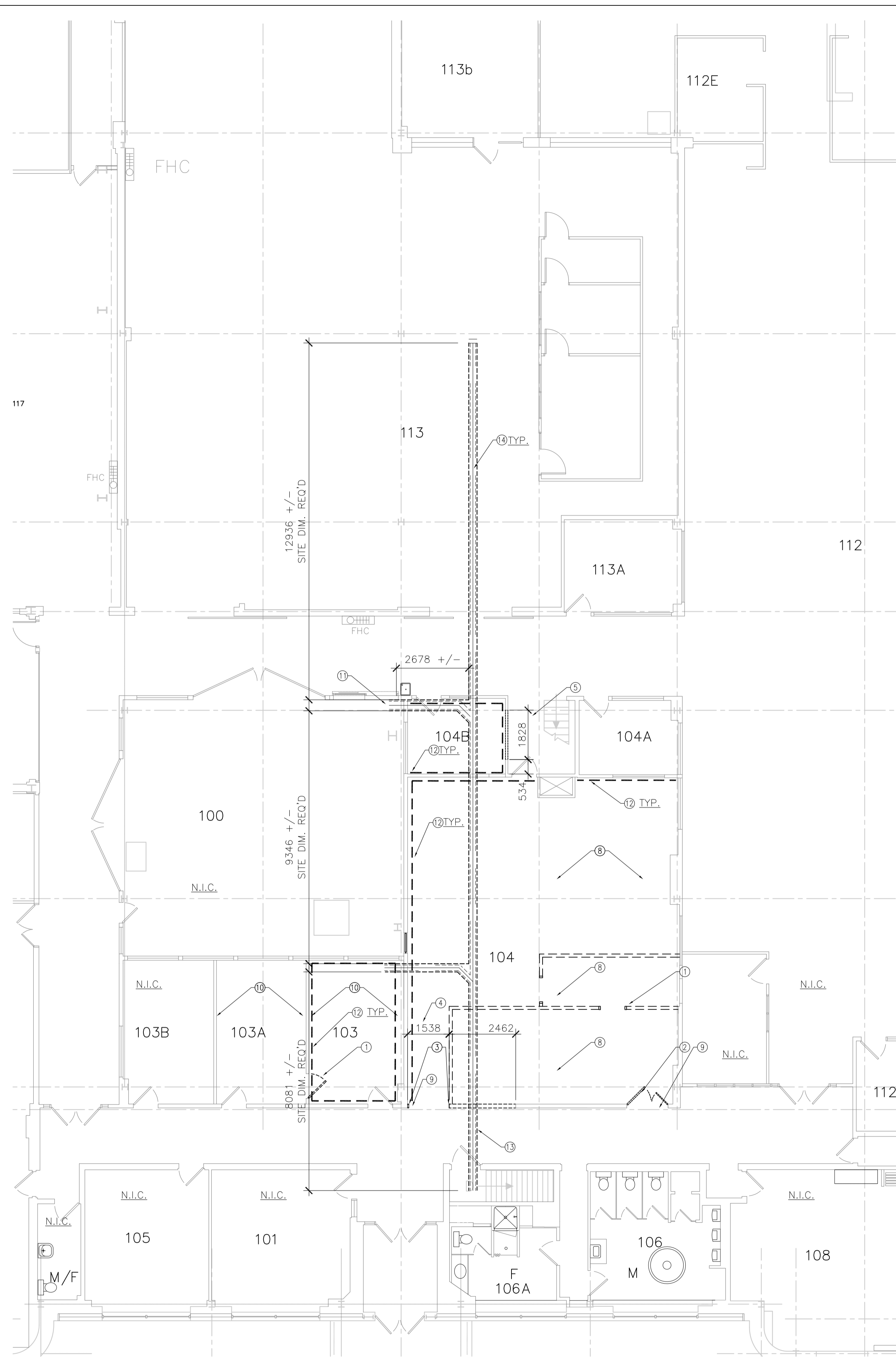
THESE NOTES APPLY TO DRAWING SHEET A01 ONLY

- EXISTING DOOR, FRAME AND ALL ASSOCIATED ELEMENTS TO BE REMOVED.
- EXISTING DOUBLE DOOR AND FRAME AND ALL ASSOCIATED ELEMENTS TO BE REMOVED.
- EXISTING FRAME TO BE REMOVED.
- DENOTES EXTENT OF EXISTING OPENING. DIMENSION TO BE VERIFIED ONSITE.
- REMOVE PORTION OF EXISTING PARTITION TO SUIT NEW OPENING FOR NEW SLIDING DOORS. REFER TO SHEET A02 FOR MORE INFORMATION.
- EXISTING BULKHEAD TO REMAIN.
- DELETED.
- REMOVE EXISTING VCT, BASE AND HARDWOOD SUB-FLOOR THROUGHOUT AREA. MAINTAIN EXISTING 2x6 SLEEPERS FOR NEW PLYWOOD SUBFLOOR. PROTECT SERVICES THAT MAY BE RUNNING BETWEEN SLEEPERS.
- EXISTING ALUMINUM THRESHOLD TO BE REMOVED.
- EXISTING CARPET TO BE REMOVED c/w BASE. SUBSTRATE TO BE MADE READY FOR NEW CARPET FINISH. REFER TO SHEET A04 FOR MORE INFORMATION.
- WHERE SLAB IS TO BE CUT IN THIS AREA, SPECIAL CARE MUST BE TAKEN TO CONTROL DUST/DEBRIS FROM ENTERING AREA.
- DENOTES EXISTING DEMOUNTABLE PARTITION PANELS AND INSULATION TO BE REMOVED. STUDS TO REMAIN FOR APPLICATION OF NEW GYPSUM BOARD AND INSULATION.
- EXISTING QUARRY TILE FLOOR AND 152mm HARDWOOD BASEBOARD TO BE REMOVED TO FACILITATE CUTTING OF SLAB FOR STORM DRAIN REMOVAL. OVERCUT AREA REQUIRED FOR EXCAVATION BY ONE FULL TILE TO ALLOW FOR THE INSTALLATION OF NEW FULL TILES. REFER TO SHEET A03 FOR MORE INFORMATION.
- CUT EXISTING CONCRETE SLAB TO ALLOW FOR REMOVAL OF STORM DRAIN PIPE. MAINTAIN EXISTING GRANULAR FILL. MINIMIZE CUTTING AND EXCAVATION TO ONLY AS REQUIRED.

ITEMIZED PRICES

THE FOLLOWING PRICE(S) FOR A SPECIFIC ITEM OR SECTION OF THE WORK INCLUDED IN THE BASE BID, REQUIRED FOR INFORMATION PURPOSES ONLY IS TO BE PROVIDED AS PART OF THE CONTRACTOR'S SUBMISSION:

- REFERENCE A1-007131-20: PRICE FOR ALL WORK AND MATERIALS REQUIRED FOR THE REMOVAL OF THE EXISTING STORM WATER DRAIN AND INSTALLATION OF NEW INCLUDING EXCAVATION, NEW FILL, NEW CONCRETE AND NEW FINISH.
- REFERENCE A1-009405-01: PRICE FOR ALL WORK AND MATERIALS REQUIRED FOR THE RENOVATION OF AREAS 104, 104A, 104B, 103 AND 103A.

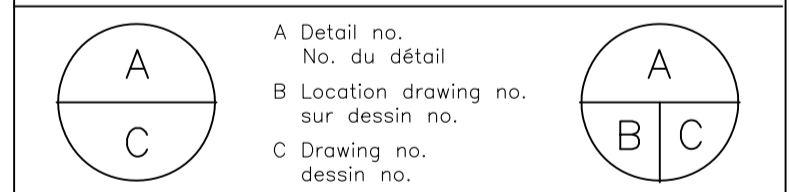


1
A01 SCALE = 1:100

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project: / projet

M4 PSO OFFICE FIT-UP

MONTREAL ROAD CAMPUS

drawing: / dessin

PARTIAL FLOOR PLAN AND REFLECTED CEILING PLAN - DEMOLITION

designed: CE / conçu: / date: JULY 2016 / date:

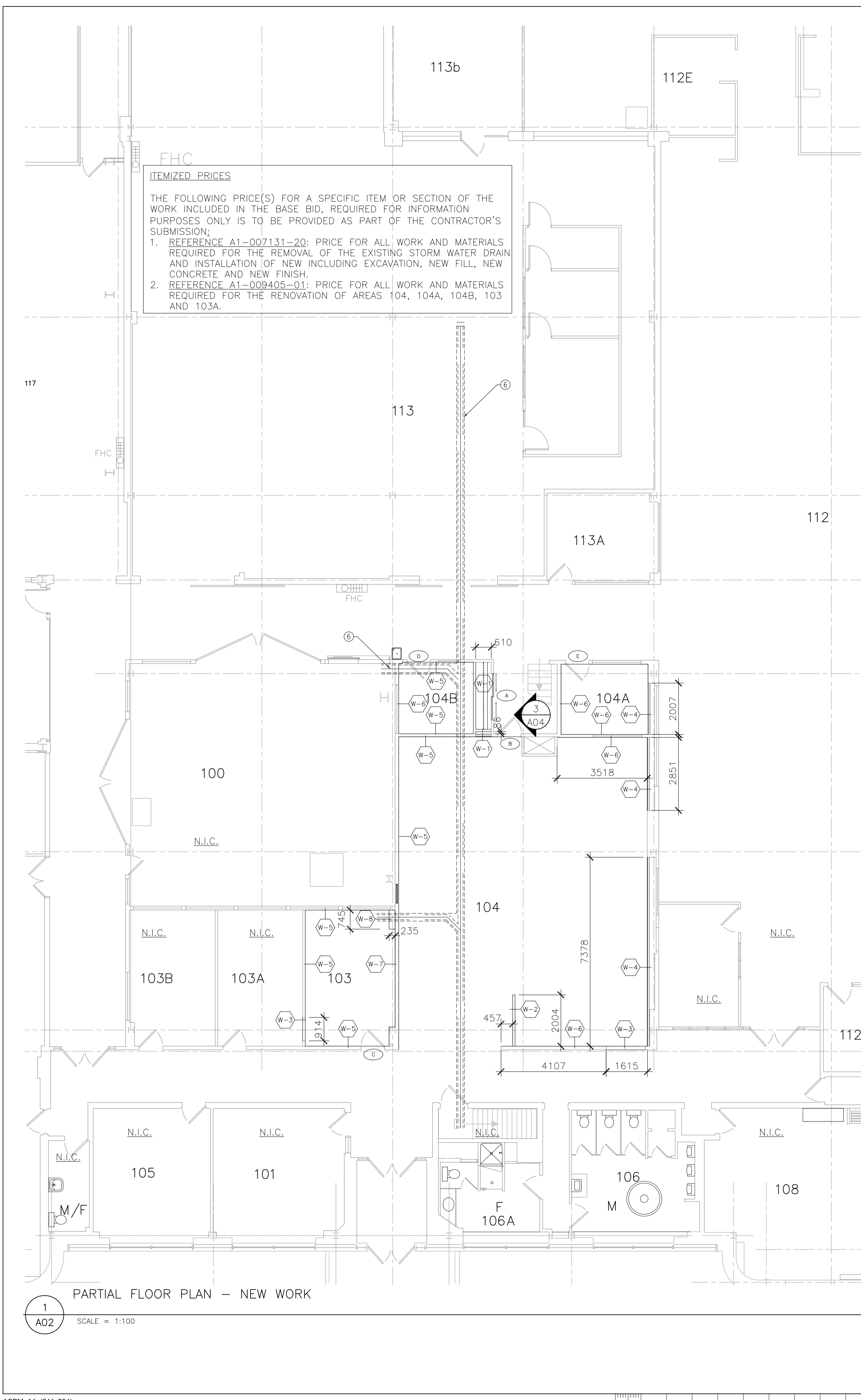
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5251-A01

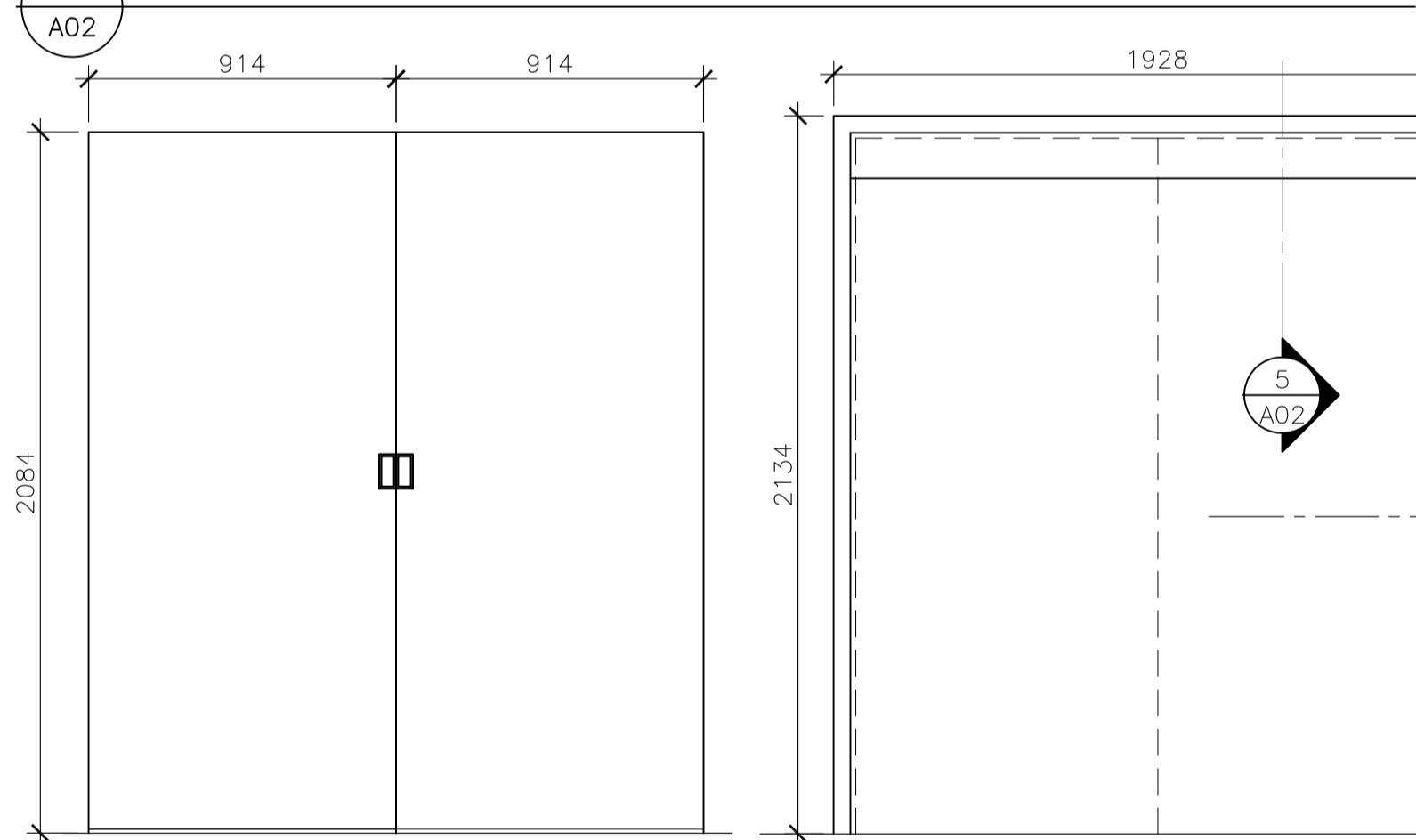


CONSTRUCTION ASSEMBLIES

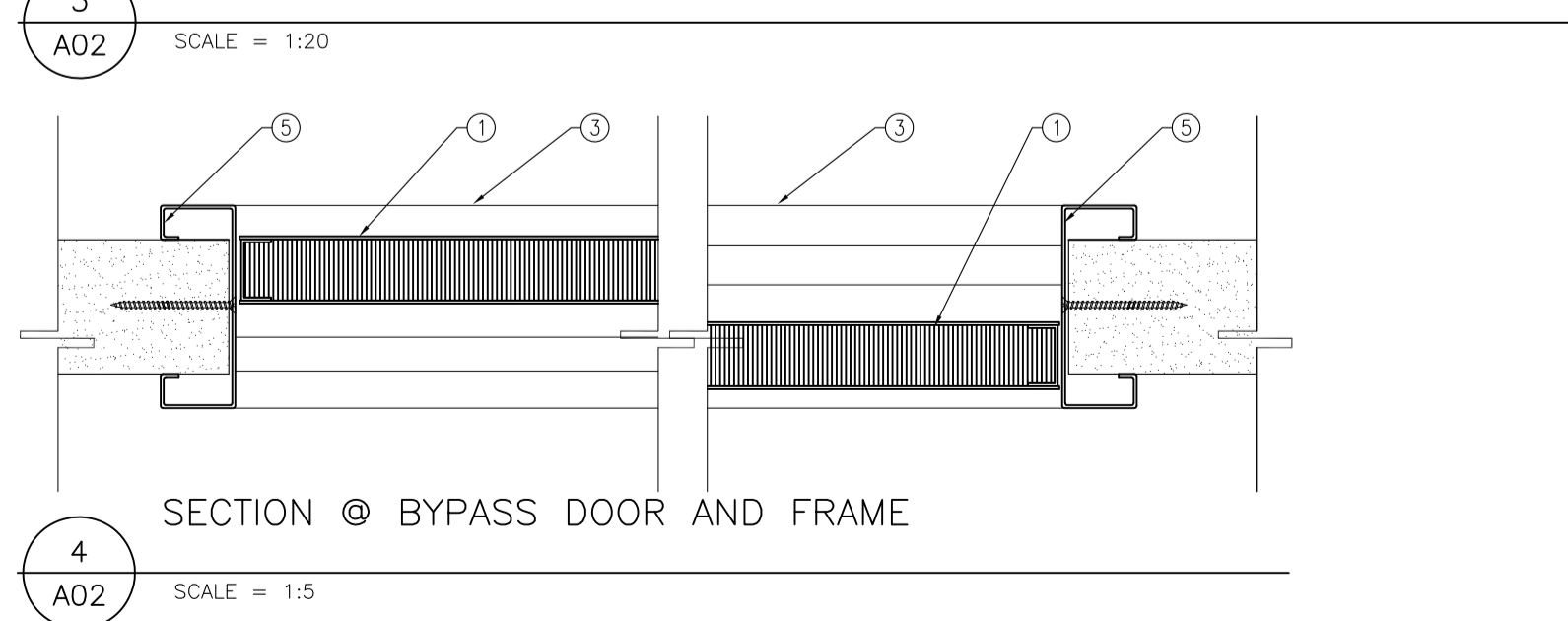
- WALLS:**
- W-1** INTERIOR PARTITION WALL - FULL HEIGHT
1 LAYER 13mm GYPSUM BOARD BOTH SIDES,
64mm METAL STUDS @ 600mm O.C. TAPE, SAND AND
MAKE READY TO RECEIVE NEW PAINT FINISH.
 - W-2** INTERIOR PARTITION WALL - PARTIAL HEIGHT
1 LAYER 13mm GYPSUM BOARD BOTH SIDES,
64mm METAL STUDS @ 600mm O.C. TAPE, SAND
AND MAKE READY TO RECEIVE NEW PAINT FINISH.
REFER TO SECTION 2/A04.
 - W-3** INTERIOR PARTITION WALL - INFILL
1 LAYER 13mm EDGED GYPSUM BOARD BOTH SIDES,
64mm METAL STUDS @ 600mm O.C. TAPE, SAND
AND MAKE READY TO RECEIVE NEW PAINT FINISH.
 - W-4** INTERIOR PARTITION WALL - FULL HEIGHT
1 LAYER 13mm GYPSUM BOARD BOTH SIDES,
64mm METAL STUDS @ 600mm O.C. TAPE, SAND
AND MAKE READY TO RECEIVE NEW PAINT FINISH
OFFICE SIDE ONLY.
 - W-5** INTERIOR PARTITION WALL - FULL HEIGHT
1 LAYER 13mm GYPSUM BOARD ON EXISTING
DEMOUNTABLE PARTITION STUDS. TAPE, SAND AND
MAKE READY TO RECEIVE NEW PAINT FINISH.
 - W-6** INTERIOR PARTITION WALL - FULL HEIGHT
1 LAYER 13mm GYPSUM BOARD,
25mm FURRING CHANNEL @ 600mm O.C. FASTENED TO
EXISTING PARTITION. TAPE, SAND AND MAKE
READY TO RECEIVE NEW PAINT FINISH.
 - W-7** INTERIOR PARTITION WALL - FULL HEIGHT
1 LAYER 13mm GYPSUM BOARD ON EXISTING
DEMOUNTABLE PARTITION STUDS. TAPE, SAND AND
MAKE READY TO RECEIVE NEW PAINT FINISH.
 - W-8** INTERIOR PARTITION WALL - FULL HEIGHT
1 LAYER 13mm GYPSUM BOARD,
64mm METAL STUDS @ 600mm O.C. TAPE, SAND
AND MAKE READY TO RECEIVE NEW PAINT FINISH.
- NOTES:**
- PROVIDE SEMI-RIGID SOUND BATTS BETWEEN METAL STUDS, THICKNESS TO SUIT CAVITY.
 - PARTITION FROM FINISHED FLOOR TO u/s OF NEW SUSPENDED CEILING SYSTEM @ 2667mm A.F.F.
 - PARTITION FROM FINISHED FLOOR TO 1524mm A.F.F.
 - PARTITION TO BE CONSTRUCTED FLUSH WITH ADJACENT EXISTING PARTITIONS. PATCH, TAPE, SAND WITH ADJACENT PARTITION.
 - PARTITION FROM FINISHED FLOOR TO u/s OF NEW SUSPENDED CEILING SYSTEM @ 2667mm A.F.F.
 - PARTITION FROM FINISHED FLOOR TO u/s OF NEW OR EXISTING SUSPENDED CEILING SYSTEM @ 2667mm A.F.F.
 - PARTITION TO RECEIVE 19mm PLYWOOD BLOCKING BETWEEN STUDS: 610mm HIGH BY FULL LENGTH OF NEW PARTITION. MOUNTING HEIGHT TO BE CONFIRMED BY NRC DEPARTMENTAL REPRESENTATIVE.
 - PARTITION FROM FINISHED FLOOR TO u/s OF EXISTING SUSPENDED CEILING SYSTEM.

DOOR NO.	DOOR						FRAME			NOTES
	WIDTH	HEIGHT	THICK.	MAT.	FIN.	ELEV.	MAT.	FIN.	ELEV.	
A	2 X 914 +/-	2084 +/-	45	WD	PAINT P2	3/A01	PRESSED STEEL	PAINT P2	3/A01	NEW DOUBLE BY-PASS CLOSET DOORS c/w TRACK, HARDWARE AND FRAME.
B	---	---	---	---	---	---	---	---	---	EXISTING DOOR, FRAME AND HARDWARE TO REMAIN.
C	---	---	---	---	---	---	---	---	---	EXISTING DOOR, FRAME AND HARDWARE TO REMAIN.
D	---	---	---	---	---	---	---	---	---	EXISTING DOOR, FRAME AND HARDWARE TO REMAIN.
E	---	---	---	---	---	---	---	---	---	EXISTING DOOR, FRAME AND HARDWARE TO REMAIN.

DOOR AND FRAME SCHEDULE



SECTION @ BYPASS DOOR AND FRAME



GENERAL NOTES

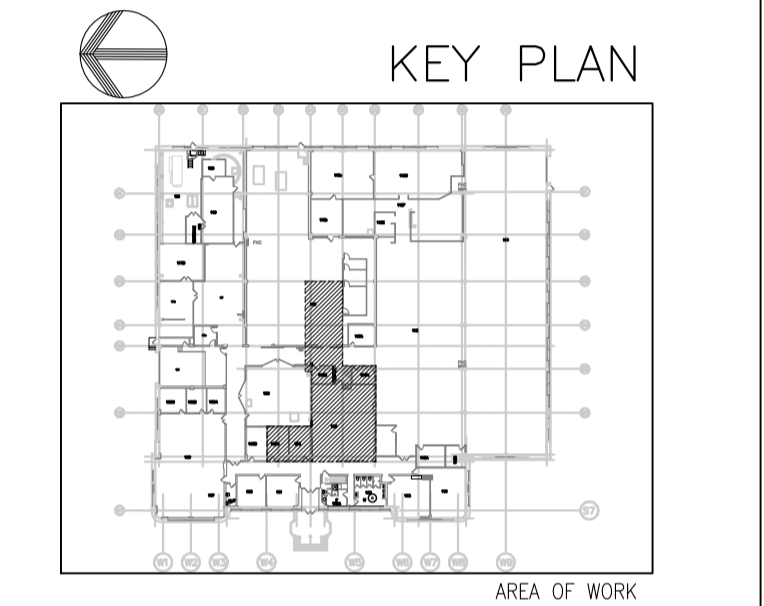
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DRAWING NOTES - SHEET A02

- THESE NOTES APPLY TO DRAWING SHEET A02 ONLY
- NEW BI-PASS WOOD DOORS
 - NEW OVERHEAD DOOR TRACK c/w ALUMINUM VALENCE TO SUIT FULL WIDTH OF OPENING, HEIGHT TO CONCEAL TRACK HARDWARE.
 - EXTRUDED ALUMINUM FLOOR TRACK c/w INTEGRAL GUIDE CHANNEL.
 - IN DOOR FLOOR GUIDE.
 - NEW STEEL FRAME TO SUIT NEW OPENING IN EXISTING PARTITION.
 - WHERE NEW STORM DRAIN PIPE IS INSTALLED:
 - RE-USE BACKFILL AND EXCAVATED COMPACT STONE FROM DEMOLITION. WHERE ADDITIONAL BACKFILL AND STONE IS REQUIRED SELECT COMMON FILL TYPE A, COMPACTED TO 98% STRENGTH OF 35MPA WITH 6% ENTRAINED AIR.
 - ALL CONCRETE SLAB SHALL RECEIVE A STEEL TROWEL FINISH.
 - THE CONCRETE SHALL BE WATER CURED FOR MINIMUM PERIOD OF 7 DAYS.
 - ALL CONCRETE WORK SHALL CONFORM TO CSA A23.1 AND CSA A23.2-09.2 E
 - NOTIFY THE NRC DEPARTMENTAL REPRESENTATIVE BEFORE THE CONCRETE POUR.

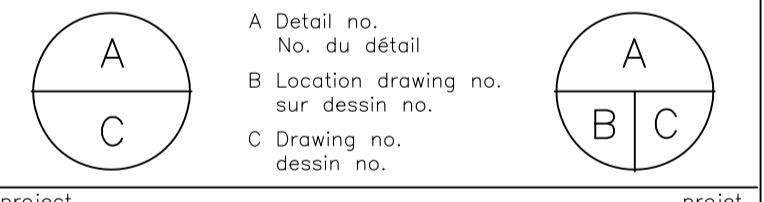


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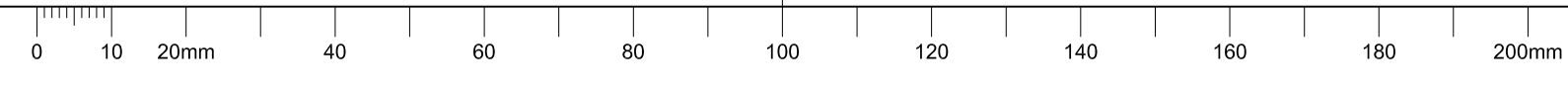
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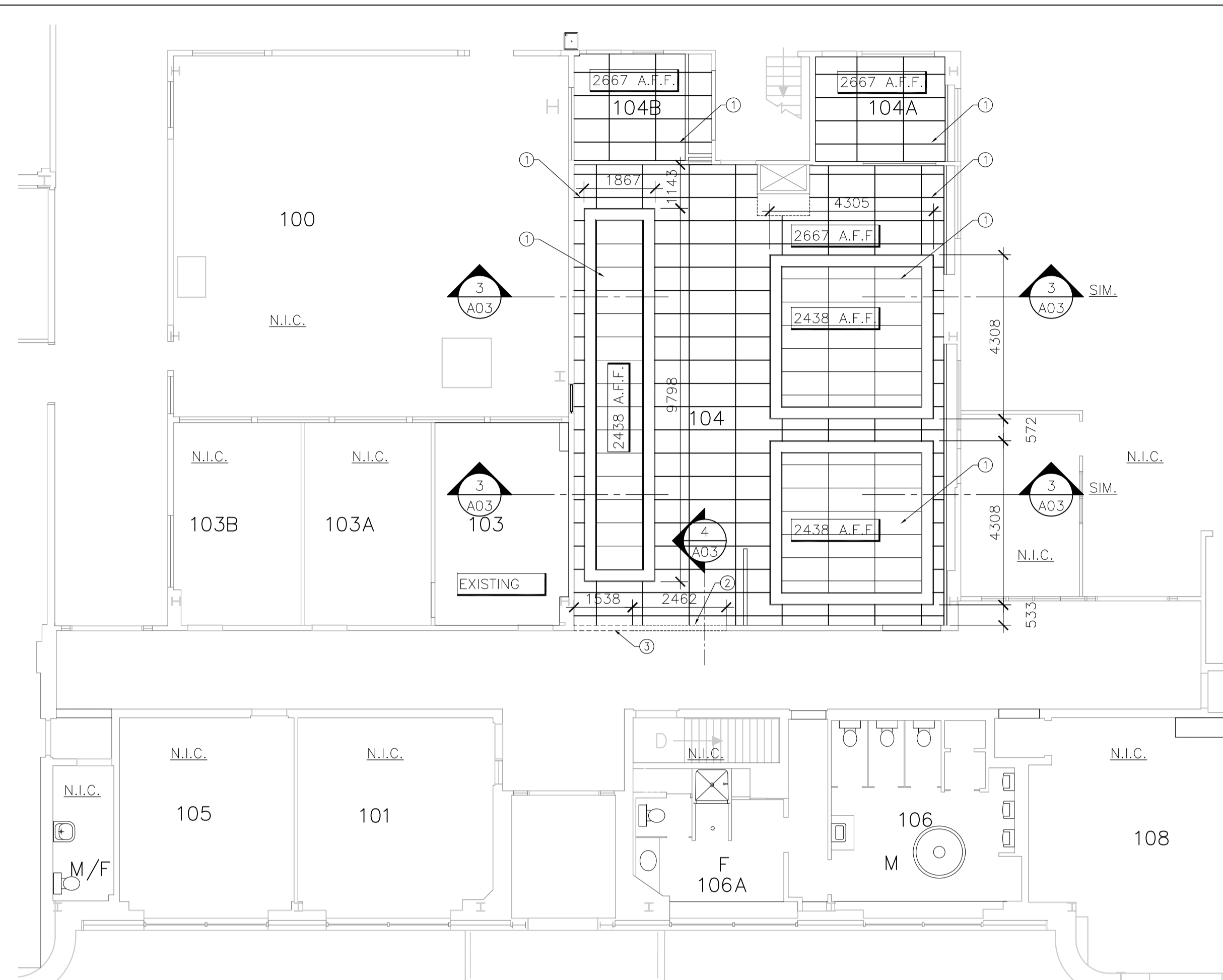
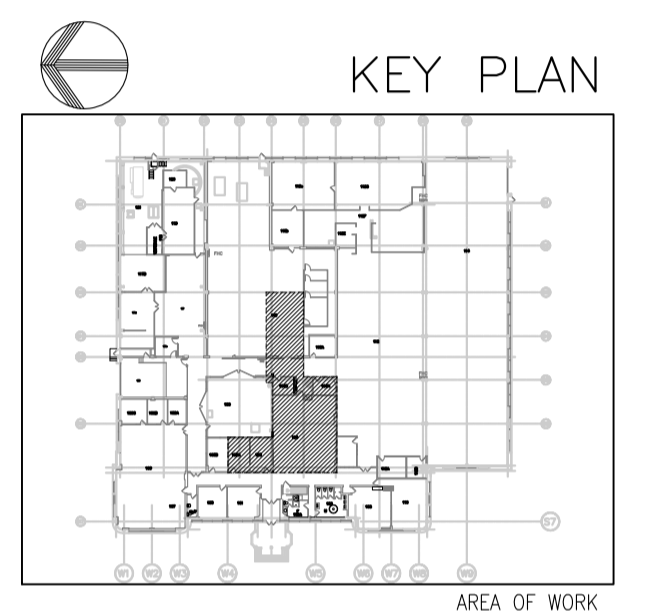
project / projet
M4 PSO OFFICE FIT-UP

MONTREAL ROAD CAMPUS
drawing / dessin
PARTIAL FLOOR PLAN - NEW WORK, DOOR SCHEDULE, ELEVATIONS AND SECTIONS

designed / conçu	CE	date / date	JULY 2016
drawn / dessiné	CE	scale / échelle	AS NOTED
checked / vérifié	SH	sheet / of / de / feuille	
approved / approuvé	BY	W.O.no. / D.T.no.	A1-009405-01
dwg.no. / dessin no.	5251-A02		



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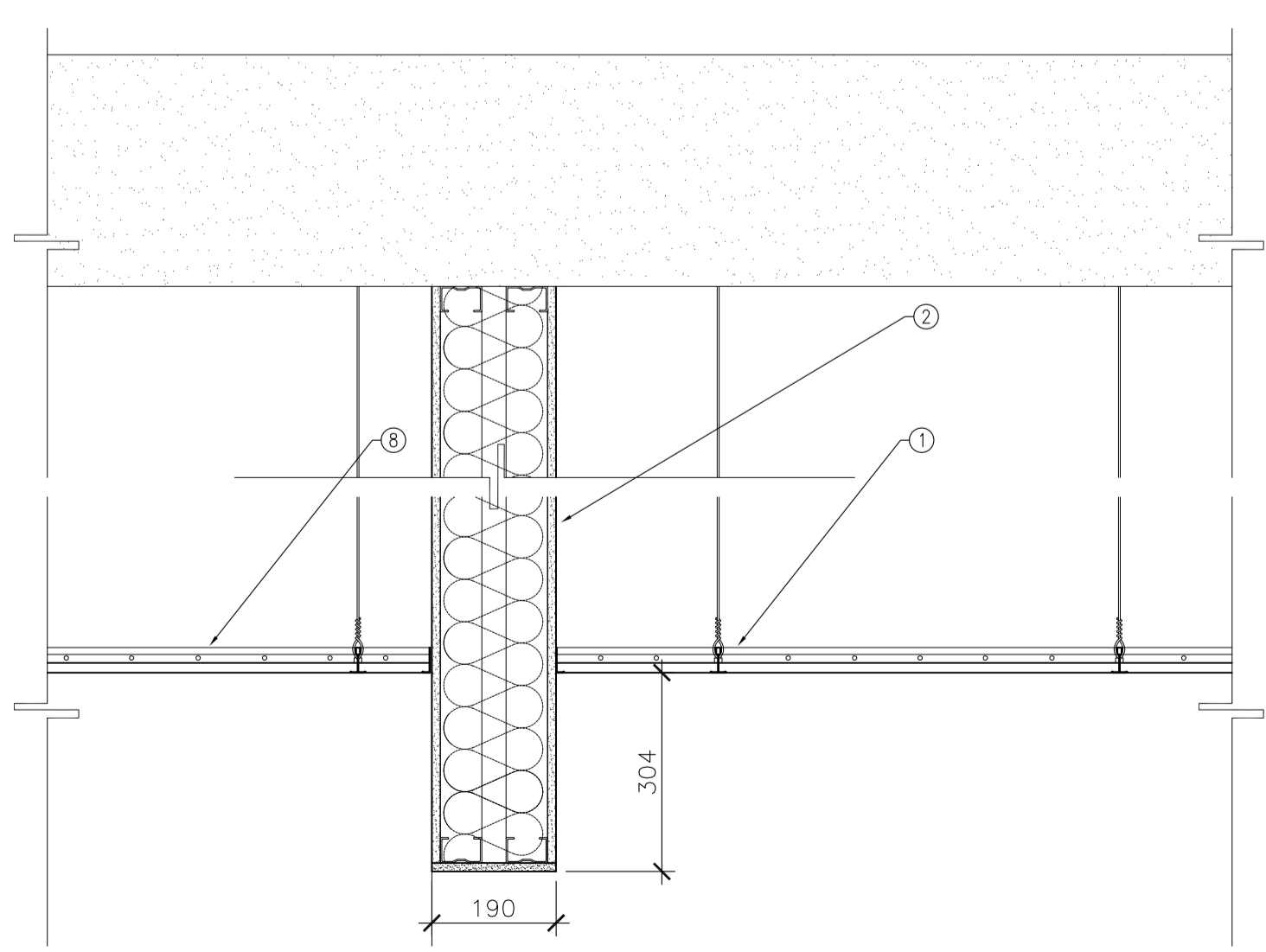
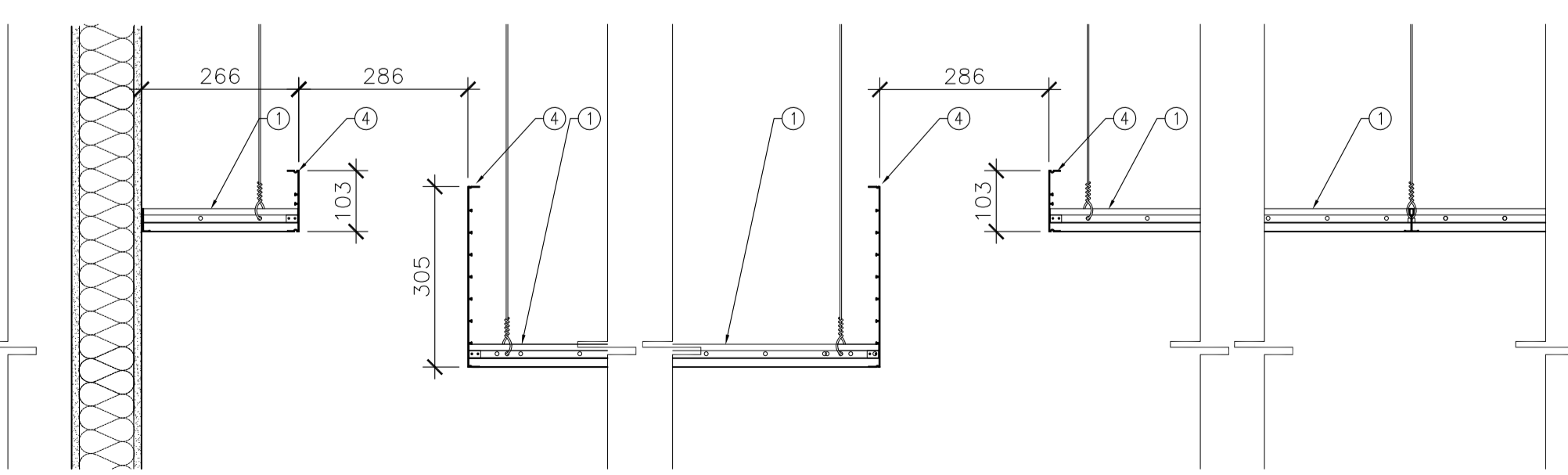
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1 A03 SCALE = 1:100

2 A03 SCALE = 1:100



3 A03 SCALE = 1:10

4 A03 SCALE = 1:10

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DRAWING NOTES - SHEET A03

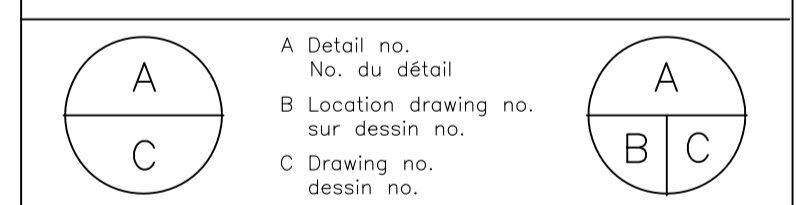
THESE NOTES APPLY TO DRAWING SHEET A03 ONLY

- ACT 1: NEW 610mm X 1219mm SUSPENDED CEILING SYSTEM c/w LAY IN ACOUSTIC TILES AT HEIGHT INDICATED. REFER TO DETAILS THIS SHEET.
- NEW GYPSUM BOARD BULKHEAD AND FASCIA; 13mm GYPSUM BOARD ON 64mm STEEL STUDS, CAVITY FILLED WITH ACOUSTIC BATT INSULATION. BULKHEAD AND FASCIA TO BE CONSTRUCTED FLUSH WITH EXISTING BULKHEAD AND FASCIA. REFER TO DETAILS THIS SHEET.
- EXISTING BULKHEAD AND FASCIA.
- NEW PRE-FABRICATED PERIMETER TRIM EDGE, HEIGHT AS INDICATED.
- NEW VCT FLOOR c/w VINYL BASE.
- NEW CARPET TILE c/w VINYL BASE.
- NEW STAINLESS STEEL THRESHOLD. THRESHOLD DIMENSIONS TO SUIT FULL WIDTH AND DEPTH OF OPENING.
- EXISTING SUSPENDED CEILING SYSTEM AND LAY IN TILE TO REMAIN. MODIFY AS REQUIRED TO FACILITATE NEW BULKHEAD.
- DELETED.
- DELETED.
- DELETED.
- NEW VCT FLOOR c/w 19mm PLYWOOD SUBFLOOR OVER EXISTING 2x6 SLEEPERS. VCT c/w NEW VINYL BASE. NEW FLOOR LEVEL TO MATCH EXISTING LEVEL TO ENSURE EVEN TRANSITION.
- NEW SUBFLOOR c/w NEW QUARRY TILE TO MATCH ADJACENT EXISTING.
- NEW EPOXY FLOOR FINISH OVER NEW CONCRETE AREA. EPOXY TO MATCH ADJACENT EXISTING.

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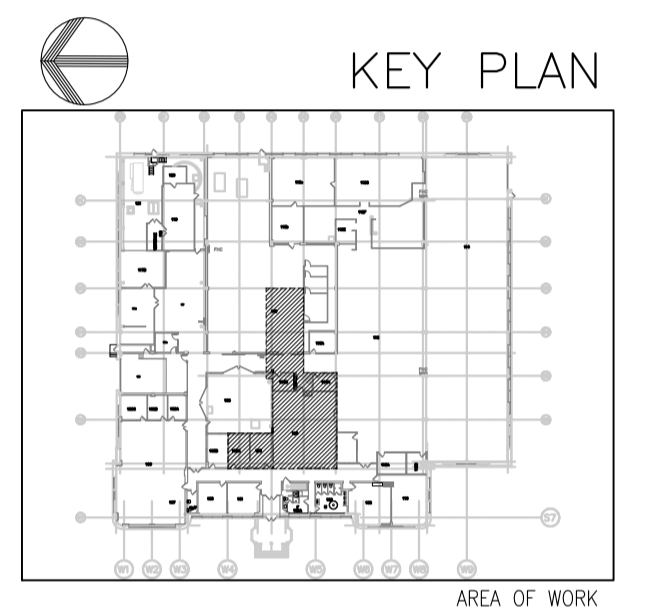
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MONTREAL ROAD CAMPUS

**PARTIAL FLOOR PLANS
 NEW WORK - REFLECTED CEILING PLAN AND FINISHES PLAN**

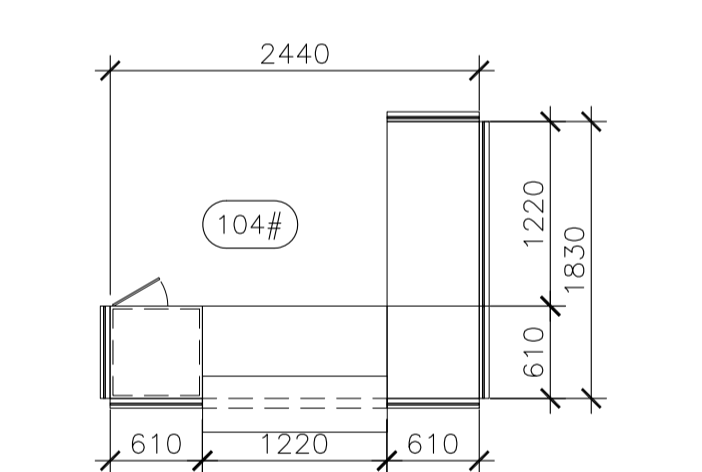
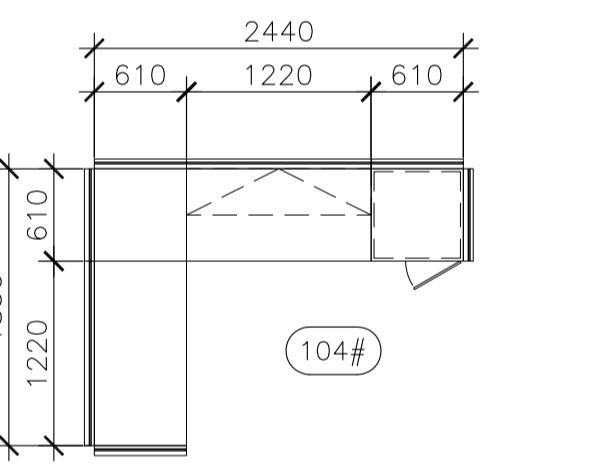
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CE		JULY 2016	
drawn	dessiné	scale	échelle
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1
A04
SCALE = 1:100
PARTIAL FLOOR PLAN - FURNITURE LAYOUT

2
A04
SCALE = 1:100
PARTIAL FLOOR PLAN - SYSTEM PANEL LAYOUT



3
A04
SCALE = 1:50
TYPICAL WORKSTATION

4
A04
SCALE = 1:50
RECEPTION WORKSTATION

GENERAL NOTES

- PRIOR TO COMMENCEMENT OF WORK, NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES NOTED IN THE CONTRACT DOCUMENTS.
- ALL GRID TO GRID DIMENSIONS ARE PLUS/MINUS. PRIOR TO COMMENCEMENT OF WORK, REVIEW SITE CONDITIONS AND VERIFY ALL DIMENSIONS. NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.
 - DO NOT SCALE DRAWINGS.
 - ALL DIMENSIONS ARE INDICATED IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
 - SEAL ALL OPENINGS WHERE CABLES, CONDUITS OR PIPES PASS THROUGH WALLS WITH AN ACOUSTIC SEALANT CONFORMING TO CAN/CGSB-19.21-M87.
 - WHERE CABLES, CONDUITS AND PIPES PASS THROUGH FIRE RATED WALLS AND FLOORS, PACK SPACE BETWEEN WITH COMPRESSED GLASS FIBRES AND SEAL WITH FIRE STOP CAULKING IN ACCORDANCE WITH CAN/CGSB-19.13-M87 AND NBC 3.1.7.
 - ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE APPROVAL OF NRC DEPARTMENTAL REPRESENTATIVE.

DRAWING NOTES - SHEET A04

- THESE NOTES APPLY TO DRAWING SHEET A04 ONLY
- GUEST CHAIR.
 - COFFEE TABLE.
 - PANEL HUNG OVERHEAD SHELVES.
 - TWO DRAWER LATERAL FILE CABINET UNDER MILLWORK COUNTER TOP. REFER TO DETAIL 1/A04.
 - THREE DRAWER LATER FILE CABINET UNDER MILLWORK COUNTER TOP. REFER TO DETAIL 1/A04.
 - THREE DRAWER VERTICAL FILE CABINET.
 - MEETING CHAIR.
 - MEETING TABLE.

ITEMIZED PRICES

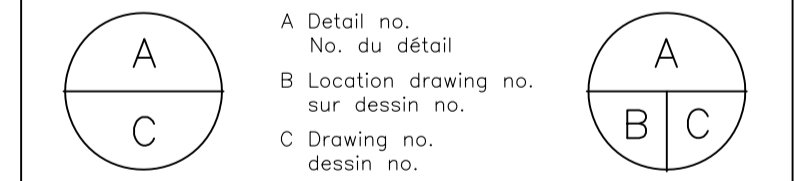
THE FOLLOWING PRICE(S) FOR A SPECIFIC ITEM OR SECTION OF THE WORK INCLUDED IN THE BASE BID, REQUIRED FOR INFORMATION PURPOSES ONLY IS TO BE PROVIDED AS PART OF THE CONTRACTOR'S SUBMISSION:

- REFERENCE A1-007131-20: PRICE FOR ALL WORK AND MATERIALS REQUIRED FOR THE REMOVAL OF THE EXISTING STORM WATER DRAIN AND INSTALLATION OF NEW INCLUDING EXCAVATION, NEW FILL, NEW CONCRETE AND NEW FINISH.
- REFERENCE A1-009405-01: PRICE FOR ALL WORK AND MATERIALS REQUIRED FOR THE RENOVATION OF AREAS 104, 104A, 104B, 103 AND 103A.

No.	Date	Revision	By: / Par:
0	OCT. 2016	ISSUED FOR TENDER	CE

Date Printed: _____ Date imprimée: _____

- Verify all dimensions and site conditions and be responsible for same
- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité



project: _____ projet: _____

M4 PSO OFFICE FIT-UP

MONTREAL ROAD CAMPUS

**PARTIAL FLOOR PLANS
NEW WORK - FURNITURE LAYOUT**

designed: **CE** conçu: _____ date: **JULY 2016** date: _____

drawn: **CE** dessiné: _____ scale: **AS NOTED** échelle: _____

checked: **SH** vérifié: _____ sheet: / of/de / feuille: _____

approved: **BV** approuvé: _____ W.O.no.: **A1-009405-01** D.T.no.: _____

dwg.no.: **5251-A04** dessin no.: _____

- CONTRACTORS TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO DEMOLITION OR CONSTRUCTION AND REPORT ANY ERRORS OR OMISSIONS TO NRC REPRESENTATIVE.
- CONTRACTORS MUST VISIT THE SITE & FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK.
- PREVENT THE SPREAD OF DUST & DEBRIS BEYOND THE WORK AREA AND CLEAN ALL SURFACES AT COMPLETION.
- MAKE GOOD ALL SURFACES AFFECTED BY THIS WORK.
- COORDINATE ALL SHUTDOWNS WITH THE NRC REPRESENTATIVE.
- PROVIDE ALL LABOUR AND MATERIAL REQUIRED TO FORM A COMPLETE, FUNCTIONAL SYSTEM AS DESCRIBED ON DRAWINGS.
- COORDINATE LOCATIONS OF ALL MECHANICAL SERVICES WITH ALL OTHER TRADES AND REPORT ANY CONFLICTS TO NRC REPRESENTATIVE.

GENERAL NOTES

PRIOR TO COMMENCEMENT OF WORK, NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES NOTED IN THE CONTRACT DOCUMENTS.

- ALL GRID TO GRID DIMENSIONS ARE PLUS/MINUS. PRIOR TO COMMENCEMENT OF WORK, REVIEW SITE CONDITIONS AND VERIFY ALL DIMENSIONS. NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.
- DO NOT SCALE DRAWINGS.
- ALL DIMENSIONS ARE INDICATED IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- SEAL ALL OPENINGS WHERE CABLES, CONDUITS OR PIPES PASS THROUGH WALLS WITH AN ACOUSTIC SEALANT CONFORMING TO CAN/CGSB-19.21-M87.
- WHERE CABLES, CONDUITS AND PIPES PASS THROUGH FIRE RATED WALLS AND FLOORS, PACK SPACE BETWEEN WITH COMPRESSED GLASS FIBRES AND SEAL WITH FIRE STOP CAULKING IN ACCORDANCE WITH CAN/CGSB-19.13-M87 AND NBC 3.1.7.
- ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE APPROVAL OF NRC DEPARTMENTAL REPRESENTATIVE.

DRAWING NOTES - SHEET A05

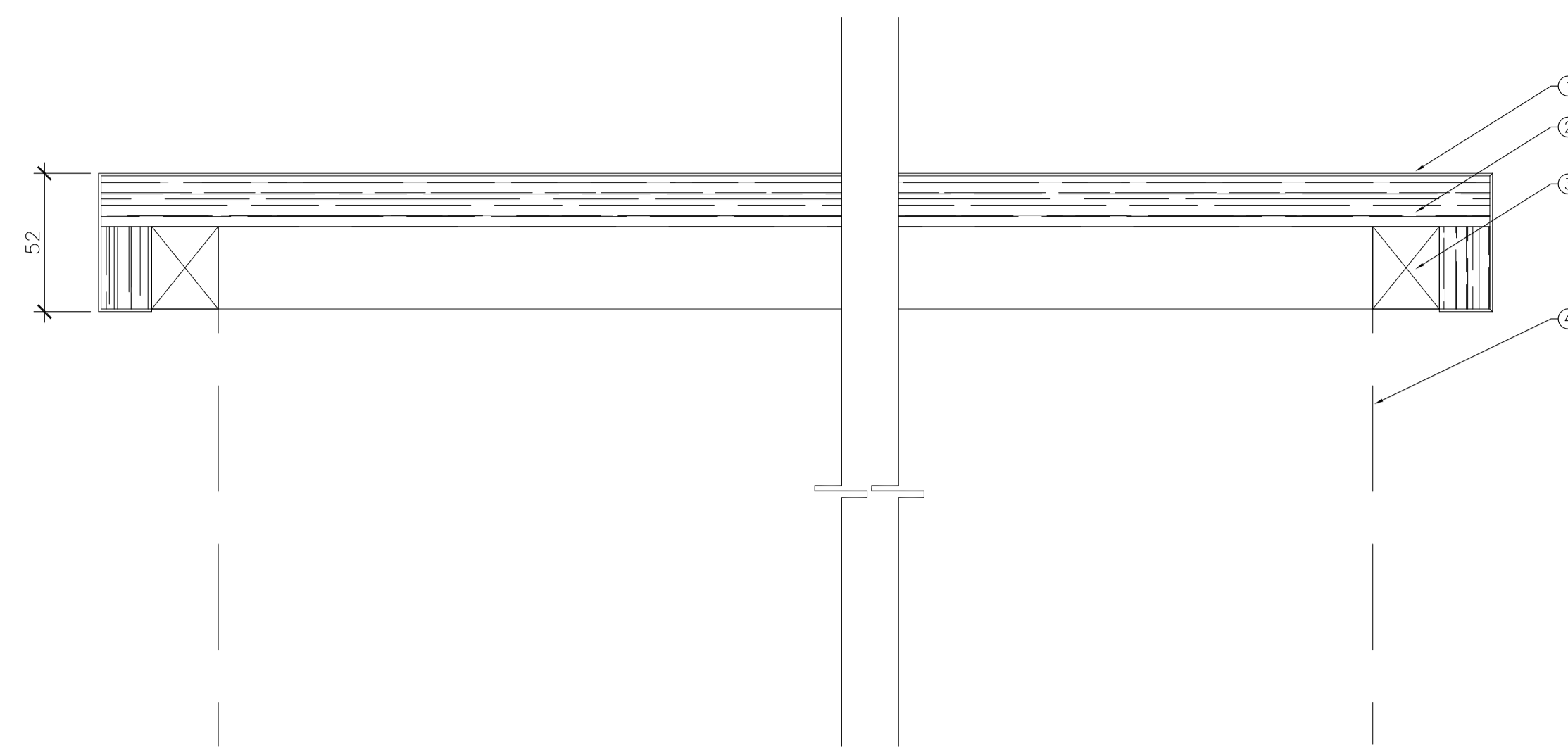
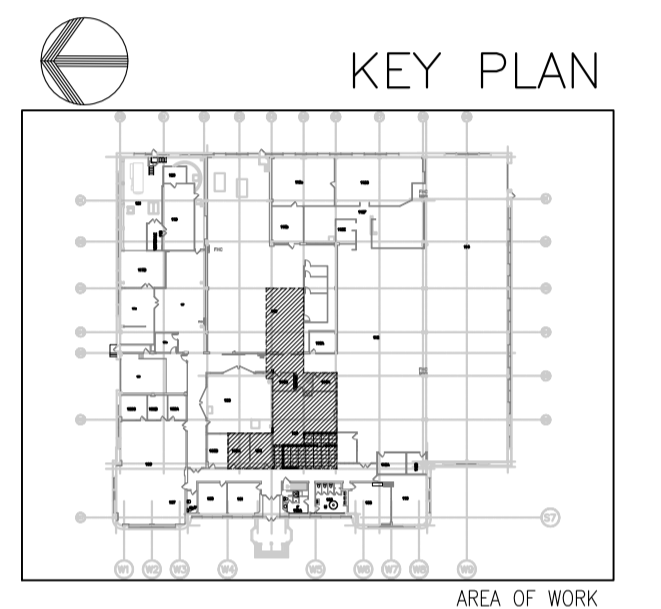
THESE NOTES APPLY TO DRAWING SHEET A05 ONLY

- NEW PLASTIC LAMINATE TOP, FINISHED PL-2. RETURN LAMINATE FINISH UNDER EDGE OF TOP CAP AS INDICATED. NO SEAMS WILL BE ACCEPTED ON LAMINATE TOP.
- 19mm PLYWOOD, GOOD ONE SIDE. SMOOTH SIDE TO BE USED FOR CONTACT WITH CABINETS.
- BLOCKING AS REQUIRED.
- FILING CABINET.
- 13mm GYPSUM BOARD.
- BATT INSULATION.
- 64mm STEEL STUD.
- BLOCKING TO SUIT.
- 19mm MDF TOP CAP.
- GYPSUM BOARD TRIM.
- 19mm PLYWOOD SHELF c/w PLASTIC LAMINATE PL-1. RETURN LAMINATE OVER FRONT NOSING OF SHELF, TYP.
- 19mm PLYWOOD GABLE c/w PLASTIC LAMINATE PL-1, ALL FACES, TYP.
- 25mm DIA. ALUMINUM CLOSET ROD c/w FLANGE.
- BLOCKING AS REQUIRED.
- LINE OF PARTITION BEYOND.

ITEMIZED PRICES

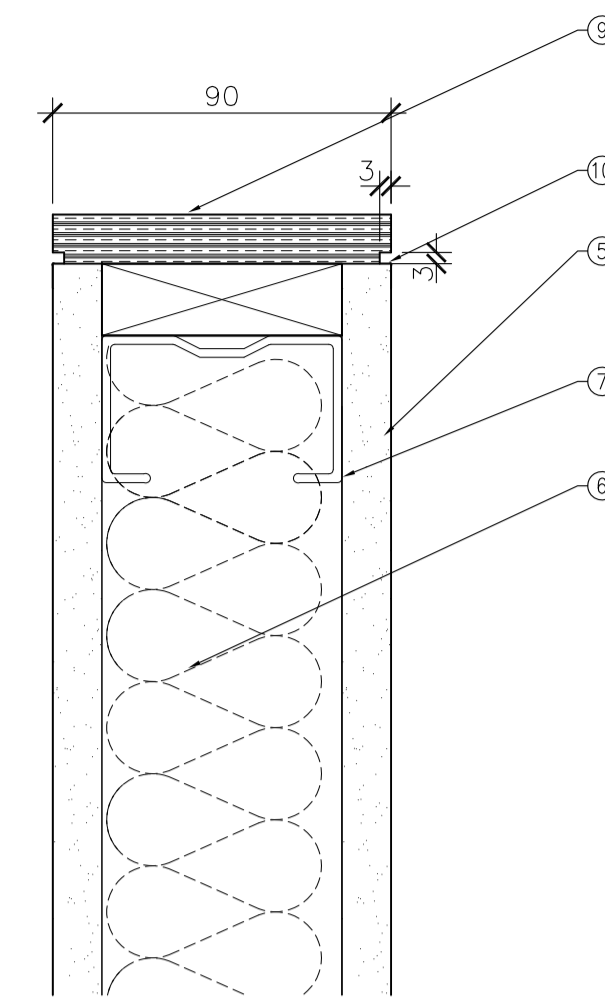
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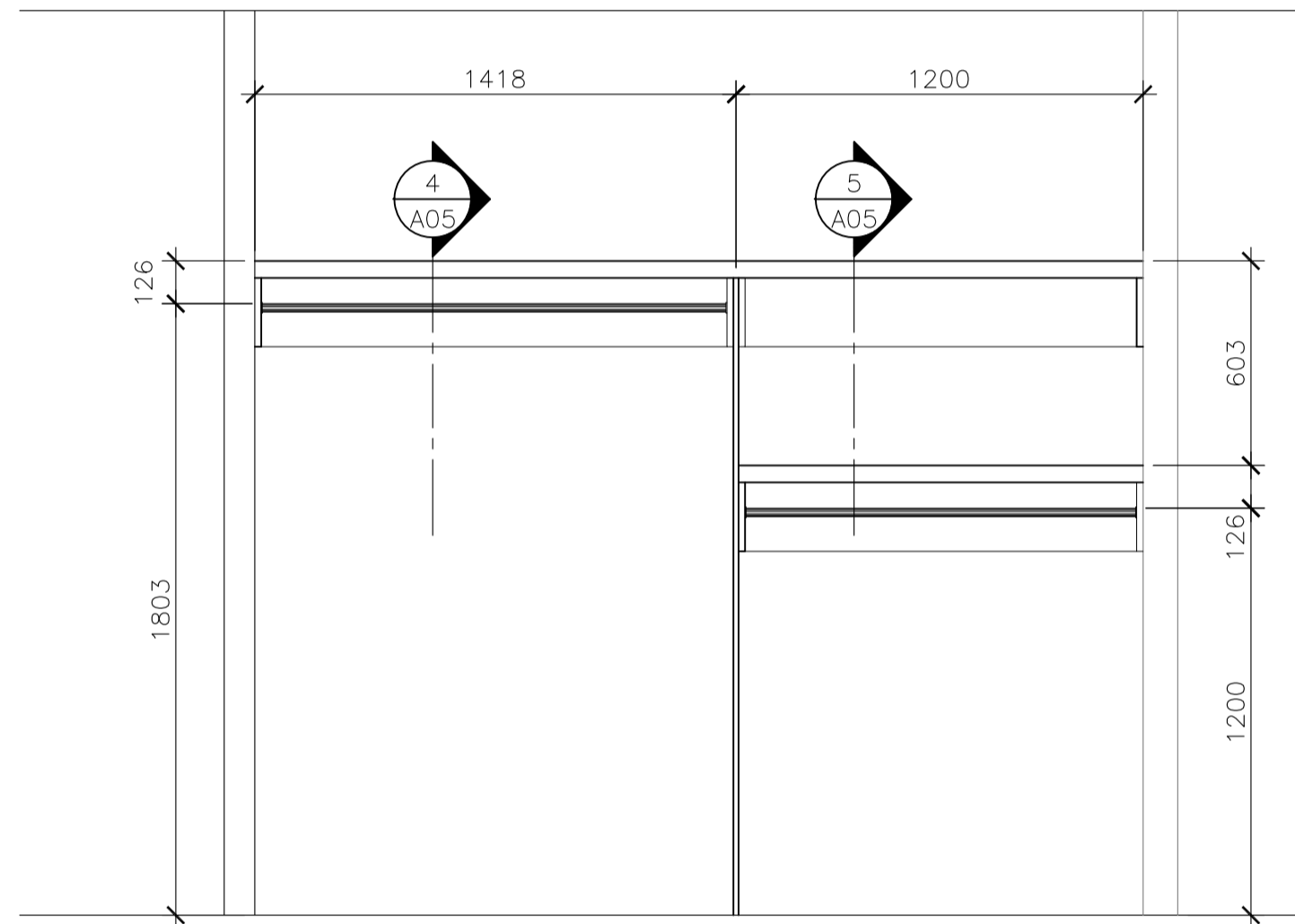
SECTION @ FILING CABINET COUNTER, TYP.

1
A05
SCALE = 1:2



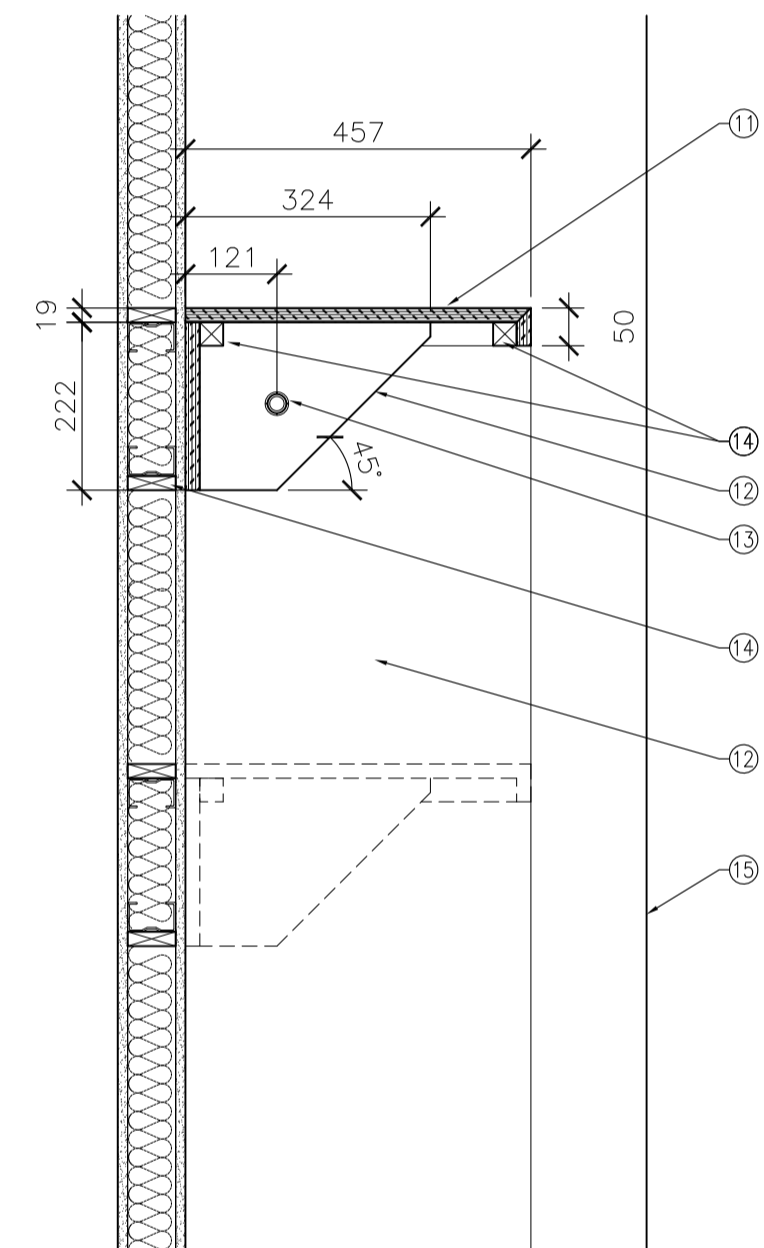
SECTION @ PARTIAL HEIGHT WALL W-2

2
A05
SCALE = 1:2



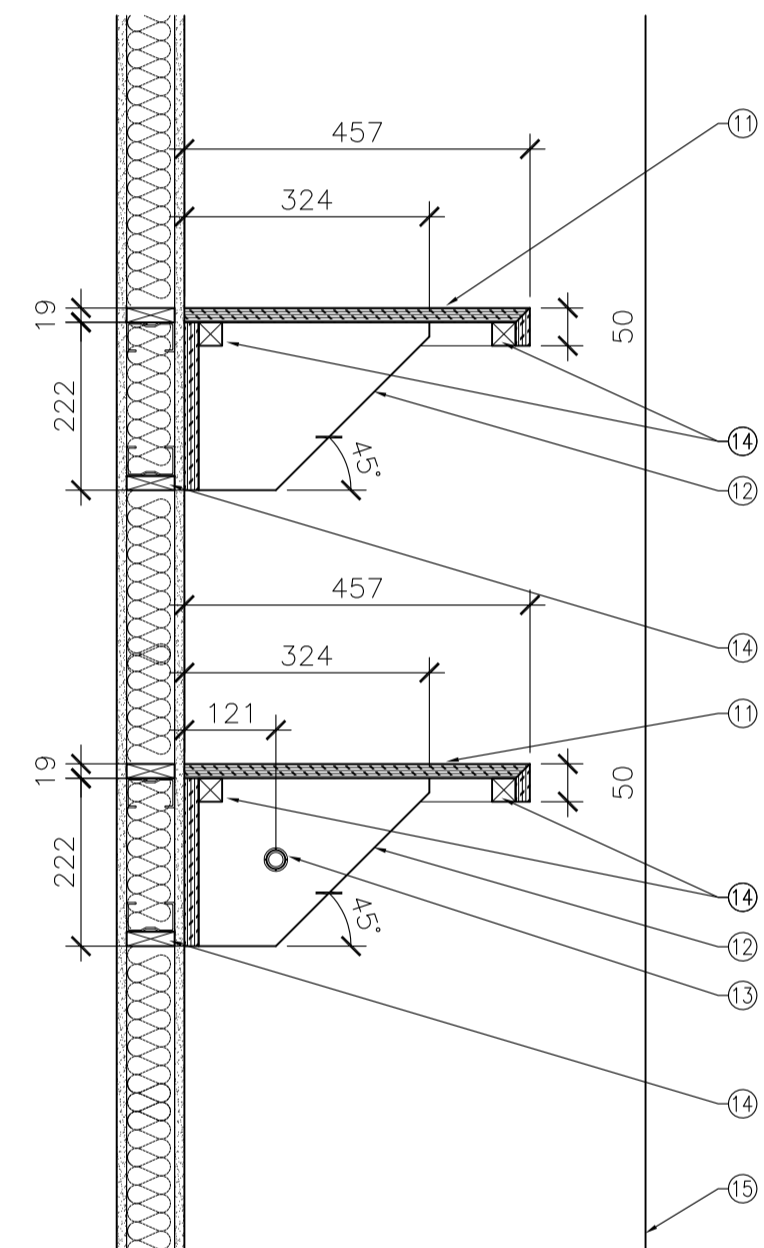
ELEVATION @ CLOSET INTERIOR

3
A05
SCALE = 1:20



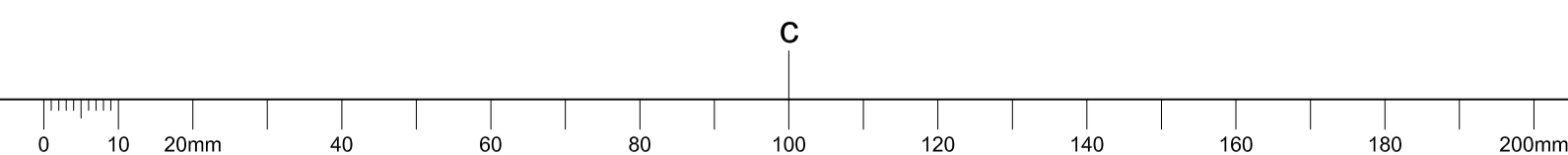
SECTION @ CLOSET INTERIOR

4
A05
SCALE = 1:10



SECTION @ CLOSET INTERIOR

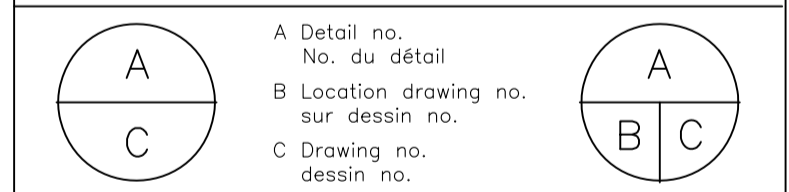
5
A05
SCALE = 1:10



No.	Date	Revision	By:
0	OCT. 2016	ISSUED FOR TENDER	CE

Date Printed: _____ Date imprimée: _____

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- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité



project: **M4 PSO OFFICE FIT-UP** projet

location: **MONTREAL ROAD CAMPUS**

drawing: **MILLWORK DETAILS** dessin

designed: **CE** conçu date: **JULY 2016** date

drawn: **CE** dessiné scale: **AS NOTED** échelle

checked: **SH** vérifié sheet / of/de / feuille

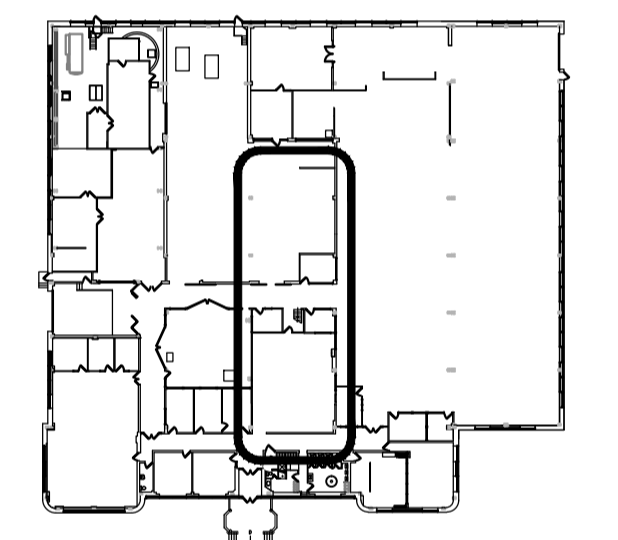
approved: **BV** approuvé W.O.no.: **A1-009405-01** D.T.no.

dwg.no.: **5251-A05** dessin no.

GENERAL NOTES

- CONTRACTORS TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO DEMOLITION OR CONSTRUCTION AND REPORT ANY ERRORS OR OMISSIONS TO DEPARTMENTAL REPRESENTATIVE.
- CONTRACTORS MUST VISIT THE SITE & FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK.
- PREVENT THE SPREAD OF DUST & DEBRIS BEYOND THE WORK AREA AND CLEAN ALL SURFACES AT COMPLETION.
- MAKE GOOD ALL SURFACES AFFECTED BY THIS WORK.
- COORDINATE ALL SHUTDOWNS WITH THE DEPARTMENTAL REPRESENTATIVE.
- PROVIDE ALL LABOUR AND MATERIAL REQUIRED TO FORM A COMPLETE, FUNCTIONAL SYSTEM AS DESCRIBED ON DRAWINGS.

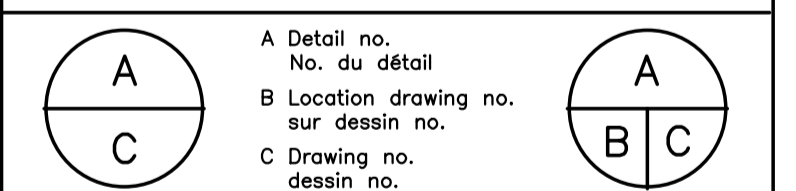
KEY PLAN



No.	Date	Revision	By: Parc
1	OCT. 2016	ISSUED FOR TENDER	Z. M.
0	OCT. 2016	ISSUED FOR REVIEW	Z. M.

Date Printed: _____ Date imprimée: _____

- Verify all dimensions and site conditions and be responsible for same
- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité



project: BUILDING M-04 P80 OFFICE FIT-UP

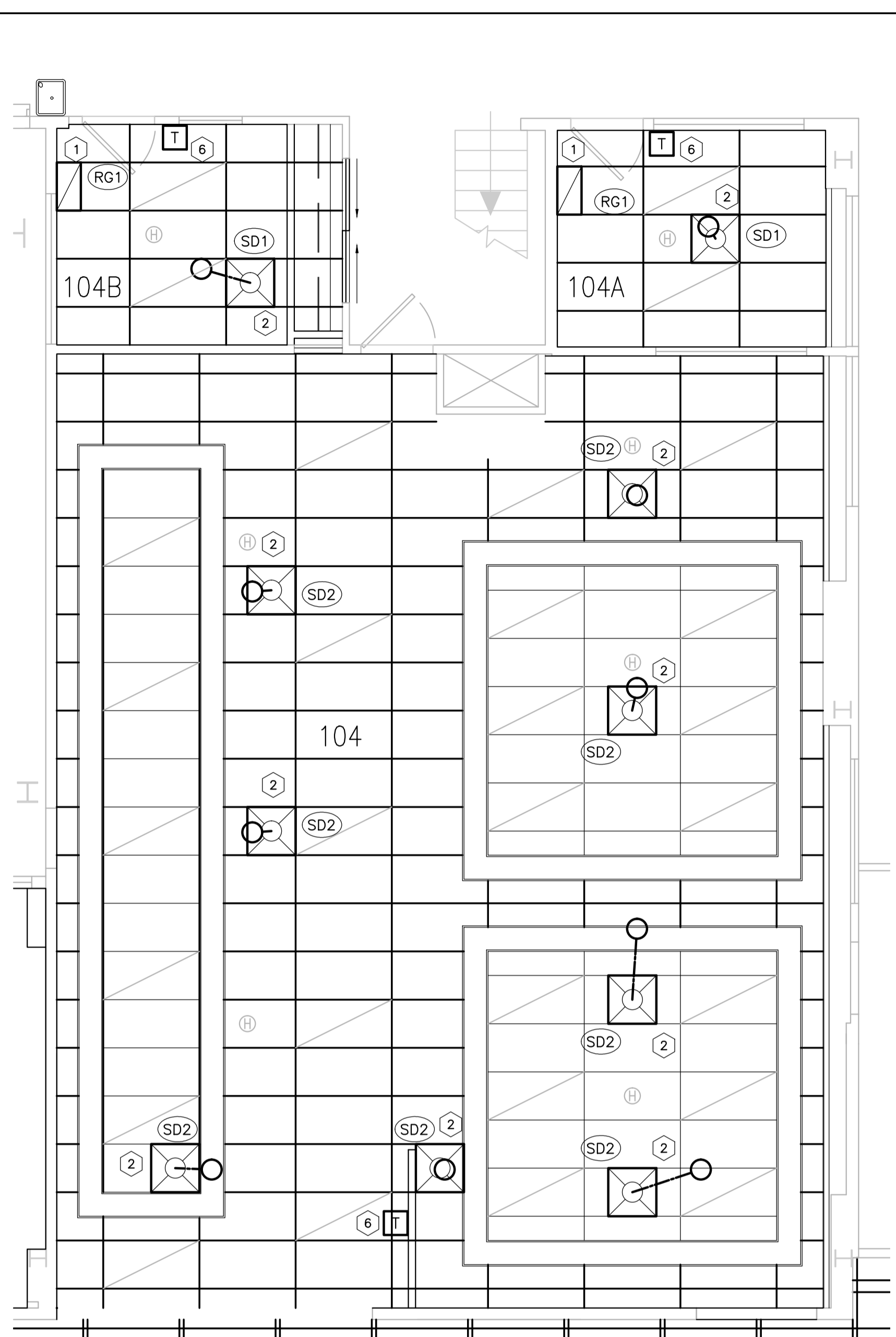
designed: Z. M. conçu: OCT. 2016 date

drawn: Z. M. dessiné: AS NOTED échelle

checked: A. L. S. vérifié: M01 of/de M01 sheet/feuille

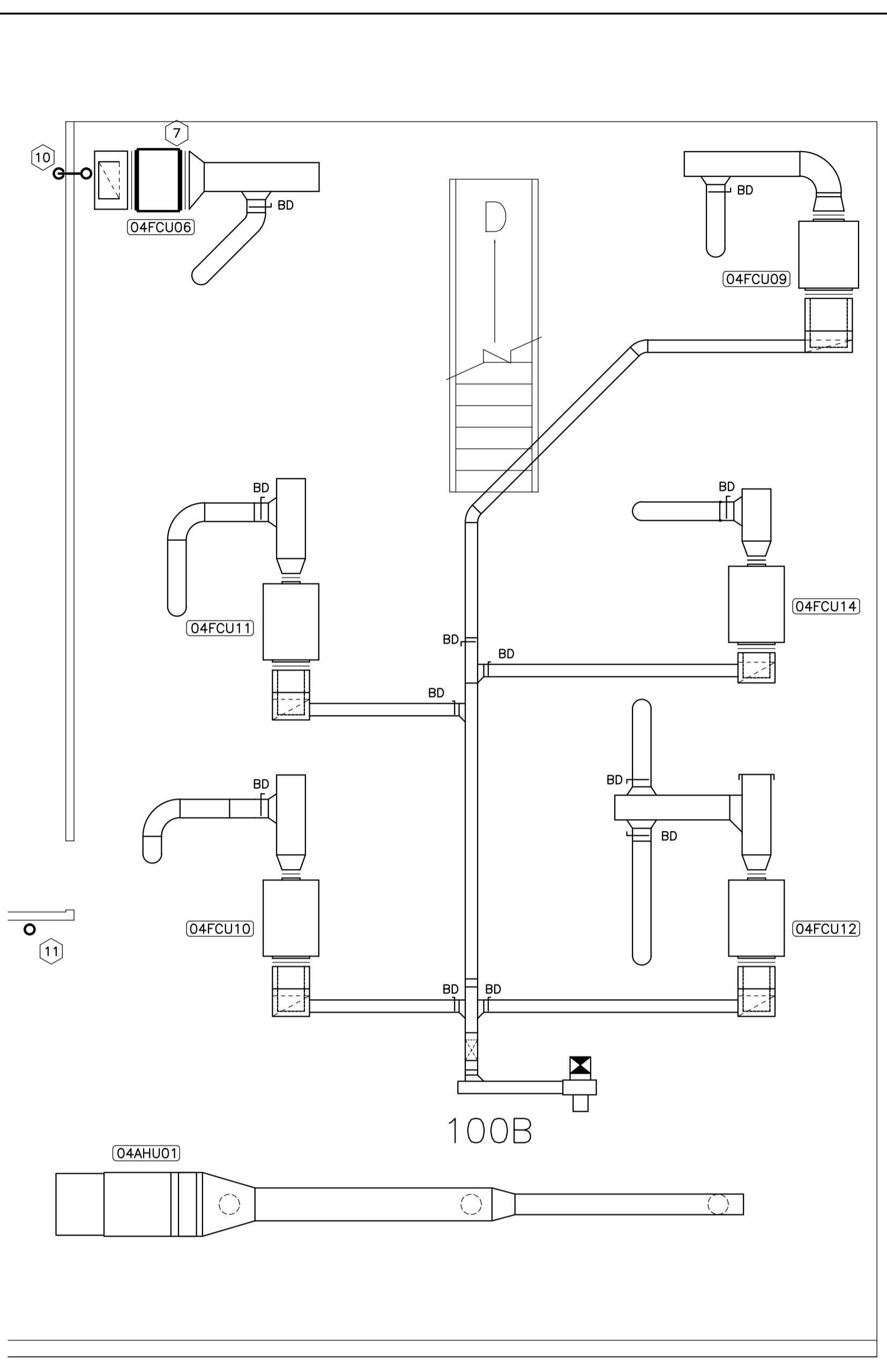
approved: BV approuvé: A1-009405-01 W.O.no. D.T.no.

dwg.no.: 5251-M01 dessin no.



1 PARTIAL GROUND FLOOR CEILING PLAN
 M-01 SCALE 1:50

- MECHANICAL NOTES:**
- PROVIDE NEW RETURN GRILLES AS SHOWN. USE CEILING SPACE AS RETURN PLENUM. REFER TO SCHEDULE FOR DETAILS.
 - PROVIDE NEW SUPPLY DIFFUSERS C/W INSULATED FLEXIBLE DUCTWORK AS SHOWN. CONNECT FLEXIBLE DUCTWORK TO EXISTING ROUND DUCTWORK. REFER TO SCHEDULE FOR DUCT SIZE AND DIFFUSER DETAILS.
 - NOT USED.
 - NOT USED.
 - ALL DDC CONTROL WORK SHALL BE CARRIED OUT BY AIRTRON, CONTACT MR. AARON DOBSON, (613)247-7938, AARON.DOBSON@AIRTRONCANADA.COM.
 - PROVIDE DDC SMART SENSOR AS SHOWN. INSTALL SMART SENSOR 1500 A.F.F. EACH SENSOR SHOULD CONTROL FAN COIL UNIT(S) C/W HEATING AND COOLING VALVES SERVING THE ROOM WHERE THE SENSOR IS INSTALLED TO MAINTAIN ROOM TEMPERATURE SET POINT.
 - DISCONNECT AND REMOVE EXISTING FAN COIL UNIT 04FCU06. REMOVE EXISTING PNEUMATIC THERMOSTAT C/W ALL RELATED PNEUMATIC PIPE. CAP AT MAIN. REMOVE EXISTING 3-SPEED SWITCH. REMOVE EXISTING CHILLED WATER CONTROL VALVE. PROVIDE NEW FAN COIL UNIT. CONNECT TO EXISTING CHILLED WATER AND CONDENSATE DRAIN PIPING, RETURN AND SUPPLY DUCTWORK. PROVIDE NEW CONTROL VALVE. VALVE TO BE SUPPLIED BY DDC CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR. PROVIDE NEW CIRCUIT BALANCING VALVE. BALANCE CHILLED WATER FLOW ACCORDING TO FAN COIL SCHEDULE. REFER TO SCHEDULE FOR DETAILS.
 - NOT USED.
 - REMOVE EXISTING UNDERGROUND MAIN STORM DRAIN PIPE FROM CLEAN-OUT IN ROOM 113 TO TUNNEL AREA. PROVIDE NEW 200 mm MAIN PIPE, CONNECT TO EXISTING BRANCHES. SLOPE NEW 200 mm MAIN PIPE MINIMUM 25 mm IN 2.4 m (i.e. 1%) TOWARDS THE TUNNEL. REFER TO ARCHITECTURAL DRAWING FOR FLOOR CUTTING AND EXCAVATING.
 - REMOVE EXISTING 100 mm BRANCH STORM DRAIN PIPE FROM MEZZANINE TO EXISTING UNDERGROUND MAIN AS SHOWN. PROVIDE NEW 150 mm BRANCH PIPE C/W CLEAN-OUT. CORE DRILL WHERE NEEDED. CONNECT TO NEW 200 mm UNDERGROUND MAIN AND ALL EXISTING HORIZONTAL CONNECTIONS IN ROOM 100 AND MEZZANINE LEVEL.
 - PROVIDE NEW 100 mm STORM DRAIN RISER C/W CLEAN-OUT TO MEZZANINE LEVEL, CAP 900 mm ABOVE MEZZANINE FLOOR FOR FUTURE CONNECTION. CORE DRILL WHERE NEEDED. CONNECT TO NEW 200 mm UNDERGROUND MAIN. PROVIDE 200x200 mm ACCESS DOOR ON THE RISER ENCLOSURE TO ALLOW ACCESS TO CLEAN-OUT IN ROOM 103. REFER TO ARCHITECTURAL DRAWING FOR PIPE ENCLOSURE.



2 PARTIAL MEZZANINE PLAN
 M-01 SCALE 1:50

FAN COIL UNIT

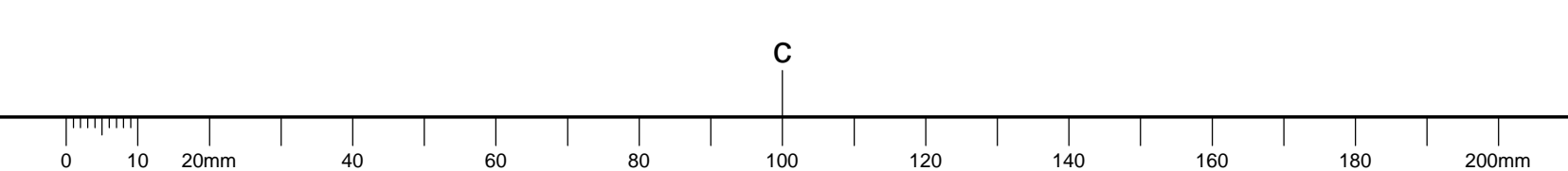
MANUFACTURER	DAIKIN
REF	-
EQUIPMENT I. D.	04FCU06
MODEL	FCHC-204A
AIR FLOW (HIGH)	L/s (CFM) 225.1 (477)
E. S. P.	Pa (IN.) 49.8 (0.20)
COOLING COIL	2 ROW
SENSIBLE	kW (MBH) 2.23 (7.6)
TOTAL	kW (MBH) 2.34 (8.0)
WATER FLOW	L/min (GPM) 6.06 (1.6)
WATER P. D.	kPa (FT.) 0.21 (0.7)
ELECTRICAL POWER	V/PH/Hz 115/1/60
MOTOR	W 89
REMARK	C/W ECM MOTOR, MANUFACTURER SUPPLIED UNIT MOUNT DISCONNECT SWITCH, AND SPRING VIBRATION ISOLATORS

CIRCUIT BALANCE VALVE

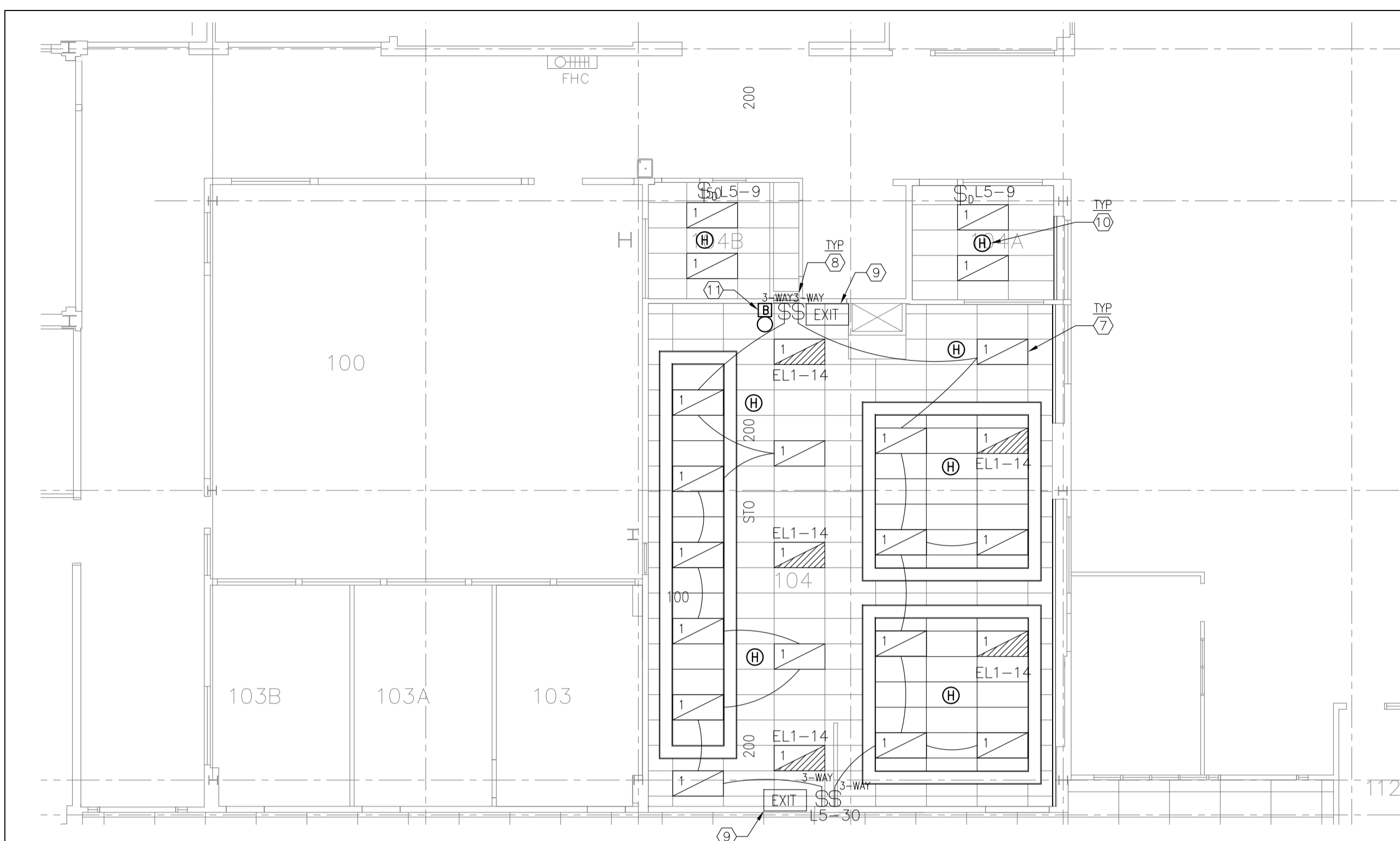
MANUFACTURER	IMI HYDRONIC
REF	CBV
MODEL	STAD 1/2"
REMARK	N/A

DIFFUSERS AND GRILLES

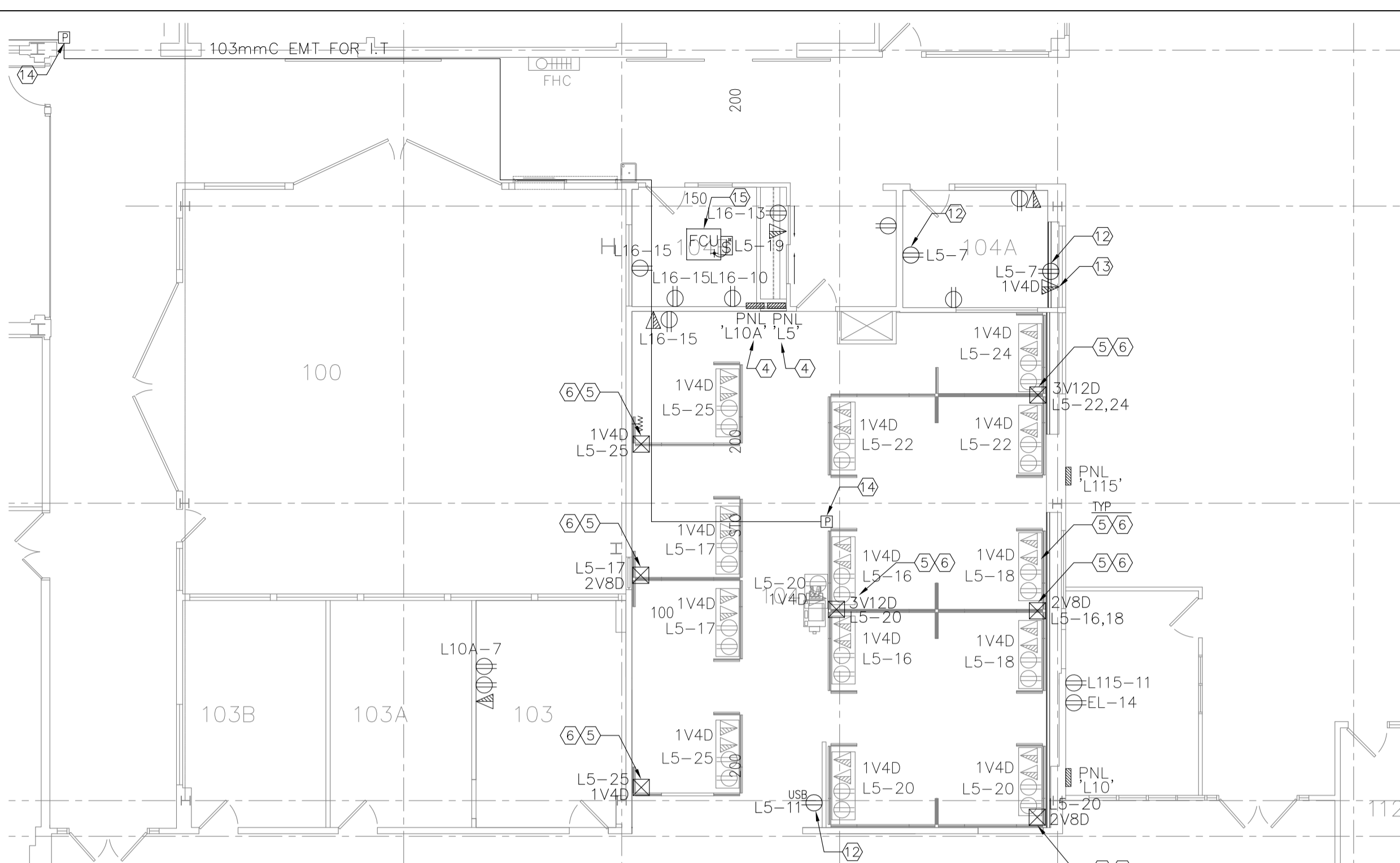
MANUFACTURER	E. H. PRICE
REF	SD1
MODEL	200/600x600/PDN/3/B12
REMARK	N/A
REF	SD2
MODEL	250/600x600/PDN/3/B12
REMARK	N/A
REF	RG1
MODEL	600x300/80/CORE/B12
REMARK	N/A



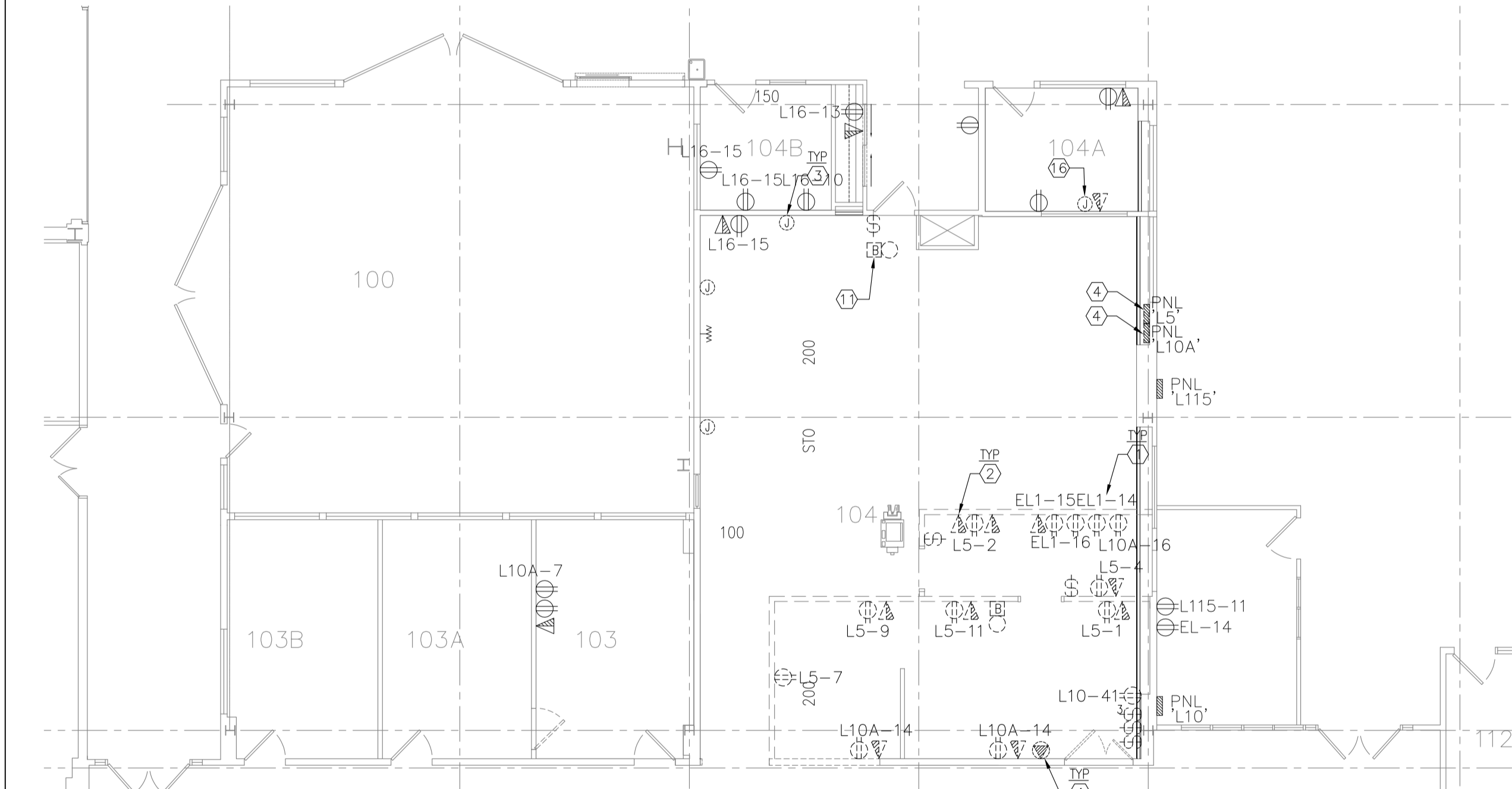
- GENERAL NOTES:**
- READ THIS DRAWING IN CONJUNCTION WITH SPECIFICATIONS, ARCHITECTURAL AND MECHANICAL DRAWINGS.
 - CONTRACTORS TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO DEMOLITION OR CONSTRUCTION AND REPORT ANY ERRORS OR OMISSIONS TO NRC DEPARTMENTAL REPRESENTATIVE.
 - CONTRACTORS MUST VISIT THE SITE & FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK.
 - PREVENT THE SPREAD OF DUST & DEBRIS BEYOND THE WORK AREA AND CLEAN ALL SURFACES AT COMPLETION.
 - MAKE GOOD ALL SURFACES AFFECTED BY THIS WORK.
 - FILL ALL HOLES, PATCH & PAINT ALL SURFACES IN CONTRACT AREA. PAINT ALL SURFACE CONDUITS. COLOR SCHEME TO MATCH EXISTING.
 - COORDINATE WORK WITH OTHER DIVISIONS FOR INSTALLATION AND TO AVOID INTERFERENCE.
 - COORDINATE ALL SHUTDOWNS WITH THE NRC DEPARTMENTAL REPRESENTATIVE.
 - REMOVE MEANS REMOVE AND DISPOSE OF OFF SITE UNLESS OTHERWISE NOTED.
 - REMOVE REDUNDANT CONDUIT AND WIRING BACK TO SOURCE UNLESS OTHERWISE NOTED, AND MAKE SAFE.
 - PROVIDE LABELS TO NEW DEVICES TO INDICATE POWER SOURCE. UPDATE PANEL SCHEDULES AFTER JOB COMPLETION.
 - SURFACE CONDUIT TO RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES. ALL CONDUITS AND JUNCTION BOXES TO BE ANCHORED TO THE BUILDING STRUCTURE.
 - THE WORD "PROVIDE" MEANS SUPPLY, INSTALL, CONNECT AND TEST.



1 PARTIAL ELECTRICAL LAYOUT – LIGHTING AND FIRE ALARM
 SCALE = 1:100



2 PARTIAL ELECTRICAL LAYOUT – POWER
 SCALE = 1:100

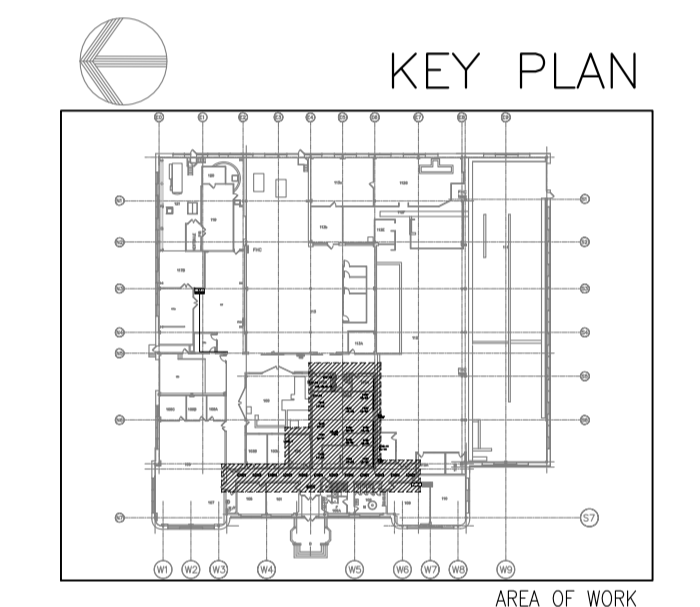


3 PARTIAL ELECTRICAL LAYOUT – DEMOLITION
 SCALE = 1:100

LUMINAIRE SCHEDULE						
TYPE	LUMINAIRE TYPE	LAMP TYPE	LAMP WATT	LAMP VOLTAGE	MODEL NUMBER	NOTE
1	2'X4' RECESSED	LED	39.2W	120V	2-AVE-G-43L-840-4-ACR-UNV-DIM	
2						
3						

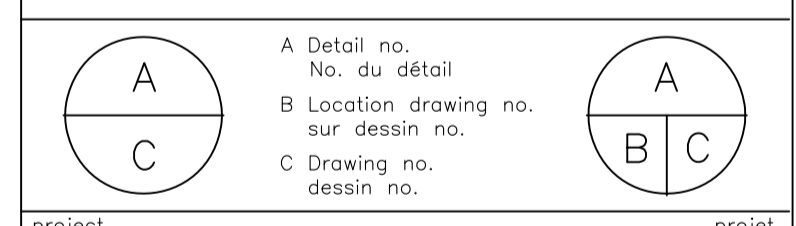
- DRAWING NOTES:**
- DISCONNECT AND REMOVE EXISTING RECEPTACLES, C/W WIRING AND CONDUITS, BACK TO SOURCE AND MAKE SAFE.
 - DISCONNECT AND REMOVE EXISTING VOICE/DATA OUTLET C/W CONDUITS BACK TO SOURCE. COIL UP CABLE FOR REINSTALLATION IN NEW PLACE.
 - REMOVE EXISTING JUNCTION BOX, C/W WIRING AND CONDUITS, BACK TO SOURCE AND MAKE SAFE.
 - RELOCATE EXISTING POWER PANELS TO NEW LOCATION. RETAIN ALL EXISTING CONNECTIONS. EXTEND WIRING AND CONDUITS TO SUIT. PROVIDE NEW BREAKERS TO PANEL AND CONNECT TO LOADS AS SHOWN.
 - FURNITURE C/W FURNITURE POLE, DATA/VOICE OUTLETS, AND PRE-WIRED RECEPTACLES TO BE SUPPLIED BY GENERAL CONTRACTOR. DIV.26 TO PROVIDE JUNCTION BOX IN CEILING SPACE ABOVE FURNITURE POLE WITH CIRCUITS AS INDICATED.
 - REUSE EXISTING DATA/VOICE CABLE FOR NEW FURNITURE. RUN DATA/VOICE CABLE IN CEILING SPACE TO WHERE THE FURNITURE POLES ARE. CABLE AMOUNT AS SHOWN.
 - PROVIDE NEW LUMINAIRES, TYPE PER SCHEDULE, AND CONNECT TO CIRCUIT AS SHOWN. CONNECT CORRIDOR LUMINAIRES TO EXISTING CIRCUITS IN THE AREA.
 - PROVIDE LIGHTING CONTROL SWITCH, TYPE AS SHOWN, AND MAKE ALL CONNECTIONS.
 - REINSTALL EXISTING EXIT SIGNS TAKEN DOWN FROM DEMOLITION TO NEW LOCATION AS SHOWN.
 - TEMPORARILY REMOVE HEAT DETECTOR AND COIL UP IN CEILING SPACE. REINSTALL EXISTING HEAT DETECTORS TO NEW CEILING TILE. PROVIDE VERIFICATION UPON JOB COMPLETION. REMOVE REDUNDANT HEAT DETECTORS C/W WIRING AND CONDUITS BACK TO SOURCE AND MAKE SAFE.
 - REINSTALL FIRE ALARM BELLS TO NEW WALL. PROVIDE VERIFICATION UPON JOB COMPLETION.
 - PROVIDE NEW RECEPTACLE, TYPE AS SHOWN, AND CONNECT TO CIRCUIT AS INDICATED.
 - PROVIDE 27mmC EMT CONDUIT ROUGH-IN C/W PULLING STRING FOR COMMUNICATION.
 - PROVIDE 300mmX300mm PULL BOX AND I.T ZONE CONDUIT C/W PULLING STRING AS SHOWN. RUN CONDUIT BACK TO EXISTING I.T PULL BOX IN ROOM 117.
 - FAN COIL UNIT TO BE SUPPLIED AND INSTALLED BY OTHERS. DIV.26 TO PROVIDE TOGGLE MANUAL SWITCH, C/W OVERLOAD PROTECTION AND PILOT LIGHT, AND MAKE ALL FINAL CONNECTIONS.
 - REMOVE EXISTING DATA/VOICE JUNCTION BOX. REMOVE CABLES BACK TO CEILING SPACE AND REDIRECT TO NEW LOCATION.

LEGEND	
SYMBOL	DESCRIPTION
[Symbol]	2'X4' FLUORESCENT LUMINAIRE
[Symbol]	ROUND SHAPE POT LIGHT
[Symbol]	LUMINAIRES ON EMERGENCY CIRCUIT
[Symbol]	EXIT SIGN
[Symbol]	LIGHTING CONTROL TOGGLE SWITCH
[Symbol]	3-WAY LIGHTING CONTROL TOGGLE SWITCH
[Symbol]	FIRE ALARM HEAT DETECTOR
[Symbol]	FIRE ALARM BELL
[Symbol]	ELECTRICAL PANEL
[Symbol]	FURNITURE POLE
[Symbol]	HARDWARE CONNECTION
[Symbol]	MANUAL SWITCH C/W OVERLOAD AND PILOT LIGHT
[Symbol]	120V, 15A DUPLEX RECEPTACLE
[Symbol]	120V, 15A DUPLEX RECEPTACLE C/W TWO HIGH-POWERED USB PORTS WITH 3.6A CHARGING POWER
[Symbol]	SPECIAL RECEPTACLE, TYPE AS SHOWN.
[Symbol]	ROUGH-IN FOR DATA/VOICE OUTLET WIRING BY OTHERS.
[Symbol]	R REUSE EXISTING DEVICE IN NEW LOCATION
[Symbol]	A.F.F ABOVE FINISHED FLOOR
[Symbol]	DARK SOLID LINE DENOTES NEW OR RELOCATED
[Symbol]	LIGHT SOLID LINE DENOTES EXISTING TO REMAIN
[Symbol]	DARK DASHED LINE DENOTES DEMOLITION



No.	Date	Revision	By	Par.
	OCT. 2016	ISSUED FOR TENDER		CC

Date Printed: _____ Date imprimée: _____
 Verify all dimensions and site conditions and be responsible for same.
 Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité.



project: **M4 PSO OFFICE FIT-UP** projet

MONTREAL ROAD CAMPUS

drawing: **ELECTRICAL LAYOUT** dessin

designed	conçu	date	date
C.Y.C		OCT 2016	
drawn	dessiné	scale	échelle
C.Y.C		AS NOTED	
checked	vérifié	sheet	1 of/de 1
		1	feuille
approved	approuvé	W.O.no.	D.T.no.
BY		A1-009405-01	
dwg.no.			dessin no.

5251-E01

ITEMIZED PRICES

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