

NATIONAL RESEARCH COUNCIL CANADA MONTREAL ROAD CAMPUS

BUILDING M-55, PART THIRD FLOOR RENOVATION ITS MOVE FROM M-60 TO M-55

DRAWING LIST

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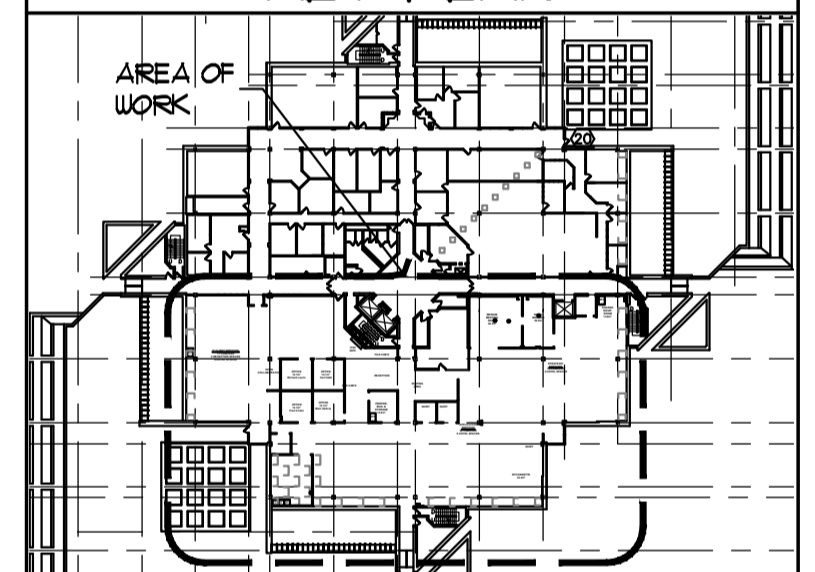
DRAWING No.

GENERAL NOTES

SYMBOL LEGEND (for project)

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

KEY PLAN



No.	Date	Revision	By:
1	11 FEB 2016	ISSUED FOR TENDER	SWH

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Date Printed 11 FEB 2016 Date imprimée

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	A Detail no. No. du détail		A
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project
M-55, PART THIRD FLOOR RENOVATION.
M-60 ITS MOVE TO M-55

MONTREAL ROAD CAMPUS
drawing
COVER SHEET

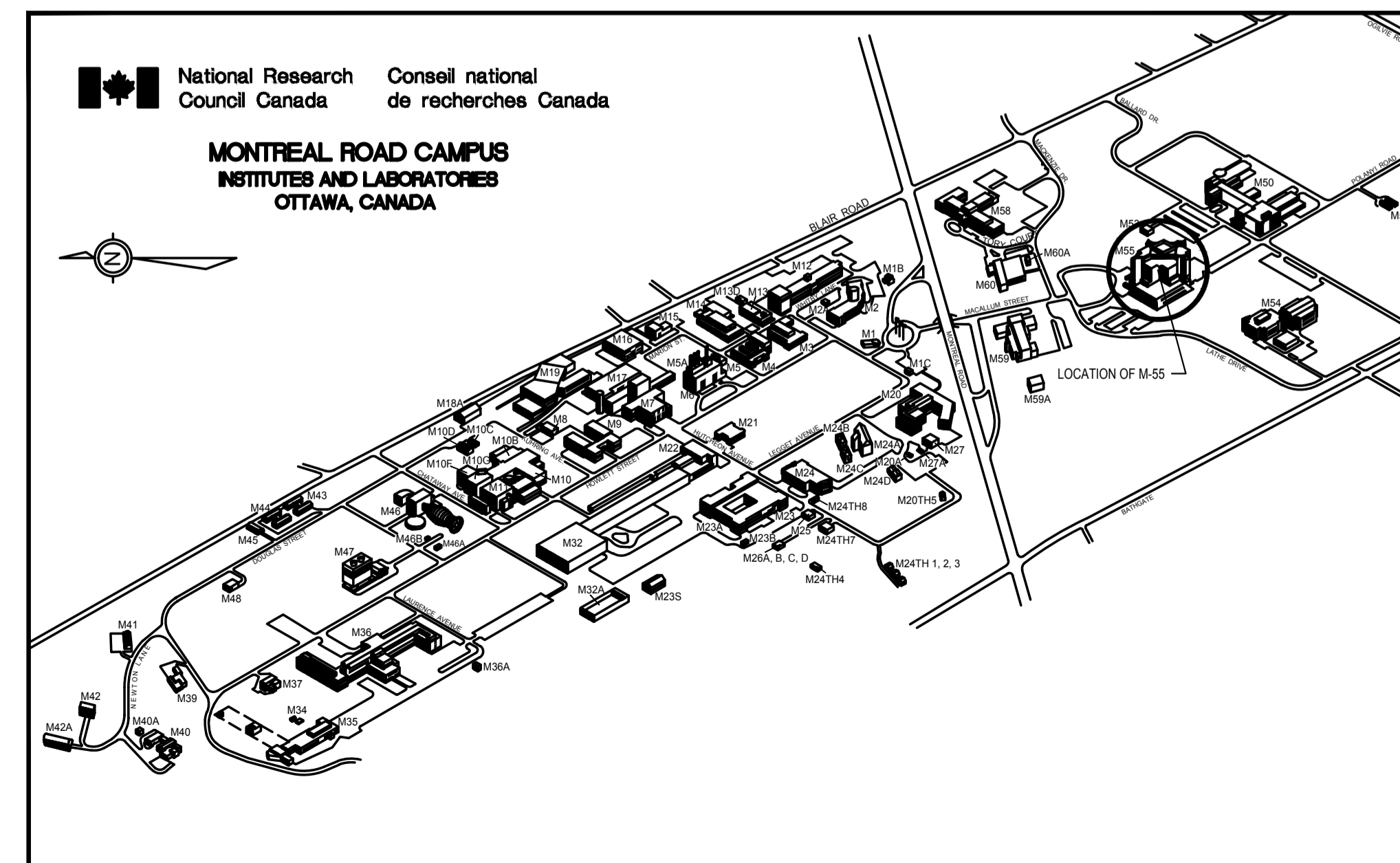
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SWH		FEB. 2016	

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checked	vérifié	sheet	feuille
CE		1 of/de 11	

approved	approuvé	W.O.no.	D.T.no.
BV			

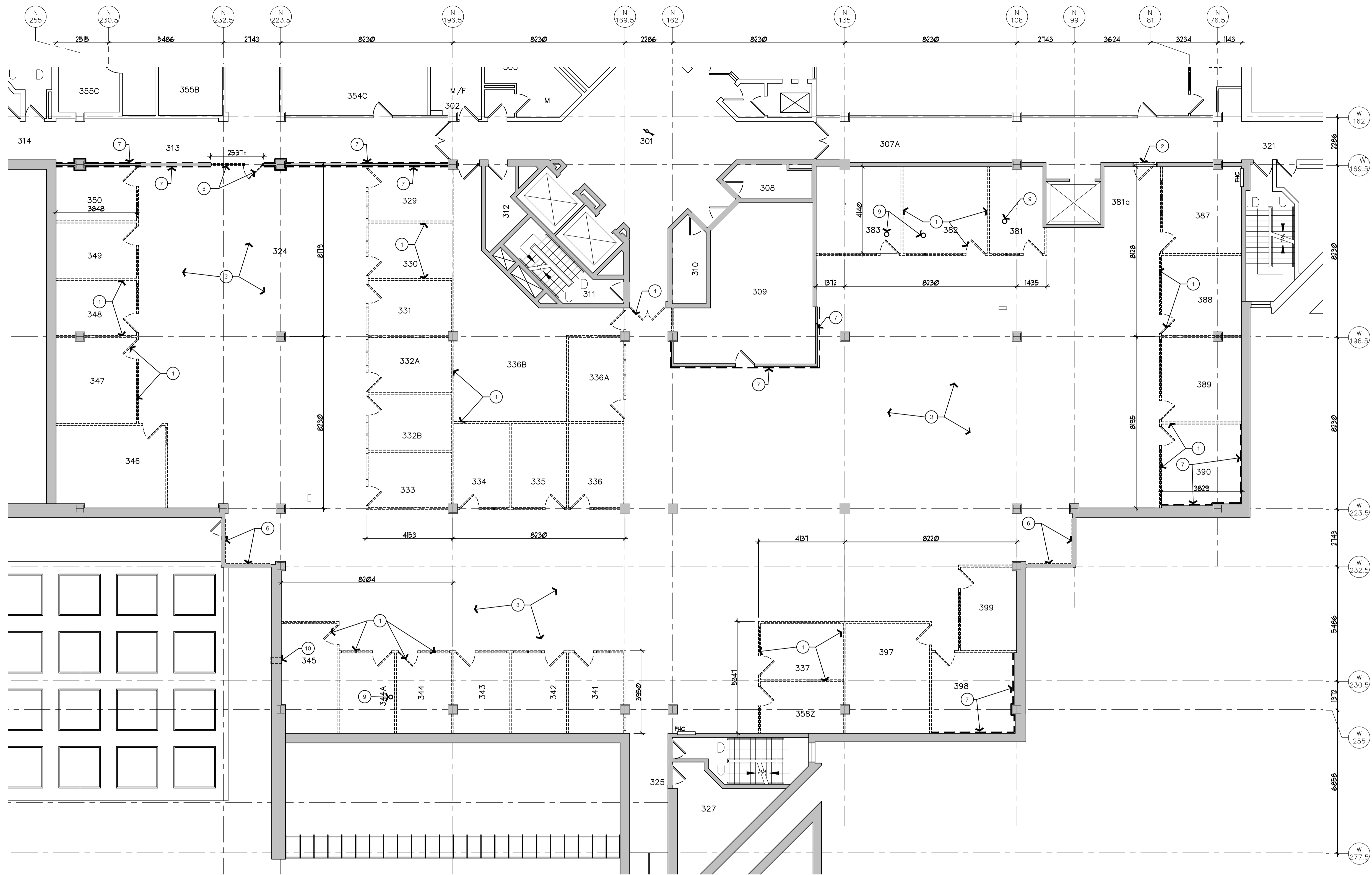
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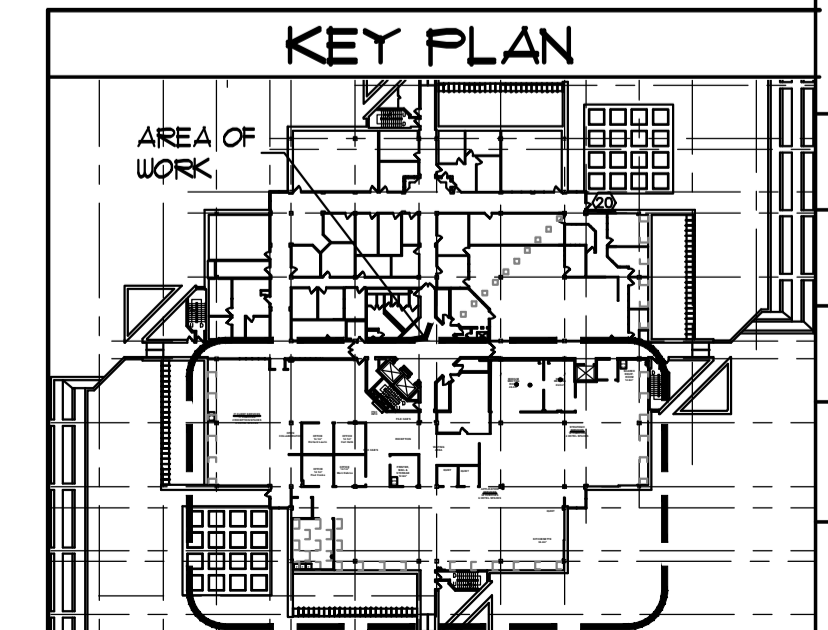
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- G. COORDINATE ALL SHUTDOWNS WITH THE DEPARTMENTAL REPRESENTATIVE.
- H. SEAL OPENINGS WHERE CABLES, CONDUITS AND PIPES PASS THROUGH WALLS WITH AN ACOUSTIC SEALANT CONFORMING TO CAN/CGSB-19.21-M87.
- J. WHERE CABLES, CONDUITS AND PIPES PASS THROUGH FIRE RATED WALLS AND FLOORS, PACK SPACE BETWEEN COMPRESSED GRASS FIBRES AND SEAL WITH FIRE STOP CAULKING IN ACCORDANCE WITH CAN/CGSB-19.13-M87 AND NEC 3.1.1.



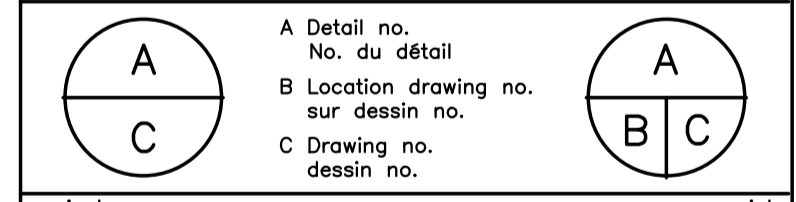
DEMOLITION FLOOR PLAN
 SCALE = 1:100

- DEMOLITION NOTES**
- | | |
|---|--|
| <p>1. TYPICAL: DEMOLISH PC350 PARTITION SYSTEM C/W GLAZING AND DOOR UNITS. TYPICAL REMOVE ALL SOUND Baffles IN EXISTING CEILING FLENUM.</p> <p>2. DEMOLISH EXISTING ALUMINUM STORE FRONT DOOR, FRAME AND SIDE LIGHT.</p> <p>3. TYPICAL: REMOVE EXISTING CARPET TILE. CLEAN SLAB AND MAKE READY FOR NEW CARPET TILE.</p> <p>4. REMOVE EXISTING DOOR FILL IN HINGE. CUTOUT WITH STEEL PLATE TO SUIT, ATTACH WITH SCREWS TO FRAME USING ORIGINAL HINGE HOLES, PRIME AND PAINT FINISH.</p> <p>5. DEMOLISH PC350 PARTITION SYSTEM - ONE (1) DOOR SECTION C/W FRAME AND TWO (2) WINDOW UNITS C/W FRAMES, LEAVE LAST FRAME TO COMPLETE EXISTING WINDOW UNIT.</p> <p>6. REMOVE EXISTING METAL BLINDS.</p> | <p>7. REMOVE EXISTING PC350 VINYL GYPSUM BOARD, C/W BATTENS CLIPS AND BASE. STUD SYSTEM TO REMAIN.</p> <p>8. TYPICAL: REMOVE ALL EXISTING WALL BASES WITHIN THE AREA OF WORK.</p> <p>9. CORE CONCRETE SLAB FOR NEW COMM/POWER OUTLET, REFER TO ELECTRICAL DRAWINGS.</p> <p>10. PROVIDE 300x300mm CUT IN EXISTING PRECAST PANEL FOR KITCHENETTE EXHAUST, REFER TO MECHANICAL.</p> |
|---|--|



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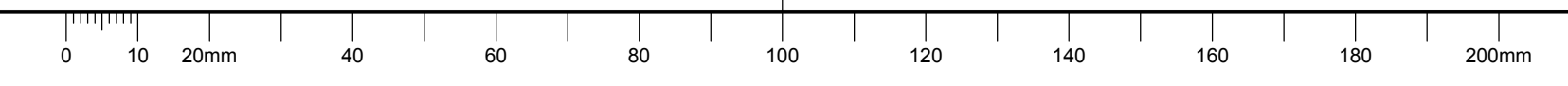


project **M-55, PART THIRD FLOOR RENOVATION. M-60 ITS MOVE TO M-55** project

MONTREAL ROAD CAMPUS
 drawing **DEMOLITION PLAN** dessin

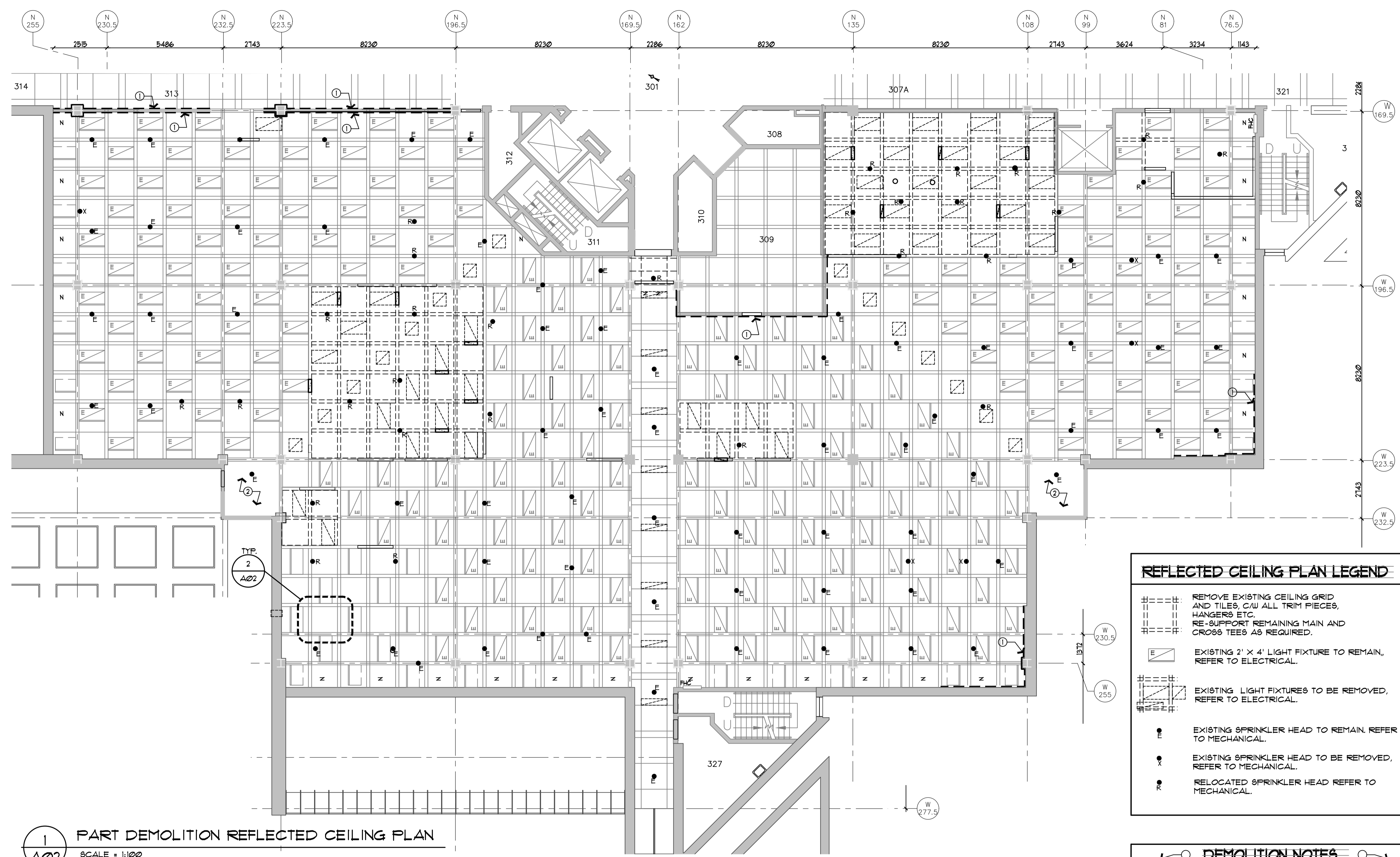
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dwg.no. **5130 - A01** dessin no.



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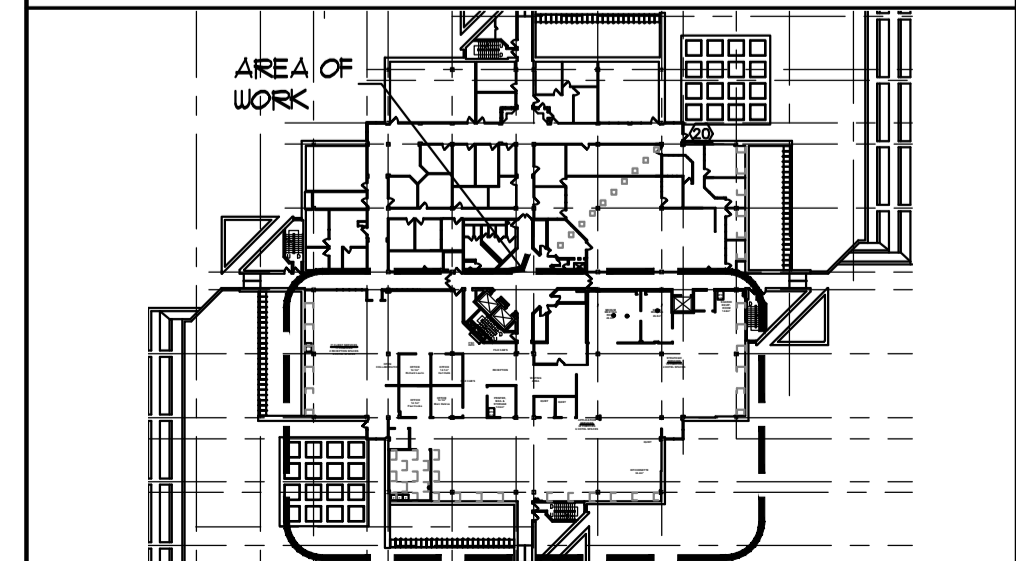
REFLECTED CEILING PLAN LEGEND

- REMOVE EXISTING CEILING GRID AND TILES, C/W ALL TRIM PIECES, HANGERS ETC. RE-SUPPORT REMAINING MAIN AND CROSS TEES AS REQUIRED.
- EXISTING 2' x 4' LIGHT FIXTURE TO REMAIN, REFER TO ELECTRICAL.
- EXISTING LIGHT FIXTURES TO BE REMOVED, REFER TO ELECTRICAL.
- EXISTING SPRINKLER HEAD TO REMAIN, REFER TO MECHANICAL.
- EXISTING SPRINKLER HEAD TO BE REMOVED, REFER TO MECHANICAL.
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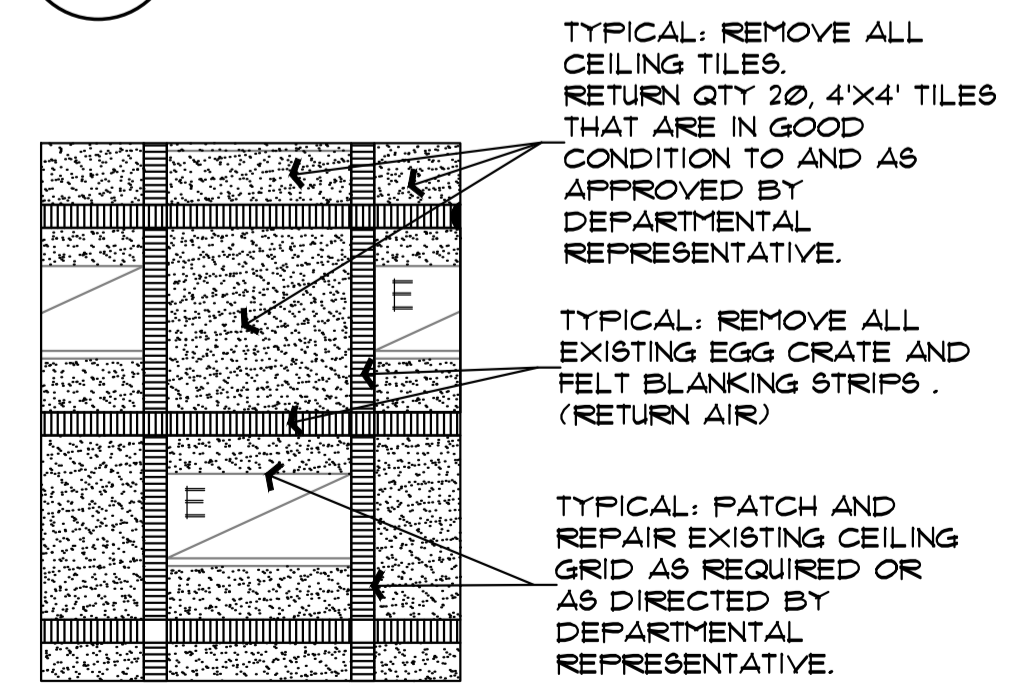
DEMOLITION NOTES

1. MODIFY AND REPAIR EXISTING CEILING GRID SYSTEM AND TILES AS REQUIRED FOR GYPSUM BOARD WALL REPLACEMENT.
2. EXISTING GYPSUM BOARD CEILING TO REMAIN.

KEY PLAN



1 PART DEMOLITION REFLECTED CEILING PLAN
 SCALE = 1:100



2 TYPICAL - EXISTING CEILING DEMOLITION DETAIL
 SCALE = 1:50

TYPICAL: REMOVE ALL CEILING TILES. RETURN QTY 20, 4'x4' TILES THAT ARE IN GOOD CONDITION TO AND AS APPROVED BY DEPARTMENTAL REPRESENTATIVE.

TYPICAL: REMOVE ALL EXISTING EGG CRATE AND FELT BLANKING STRIPS. (RETURN AIR)

TYPICAL: PATCH AND REPAIR EXISTING CEILING GRID AS REQUIRED OR AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE.

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project **M-55, PART THIRD FLOOR RENOVATION. M-60 ITS MOVE TO M-55** project

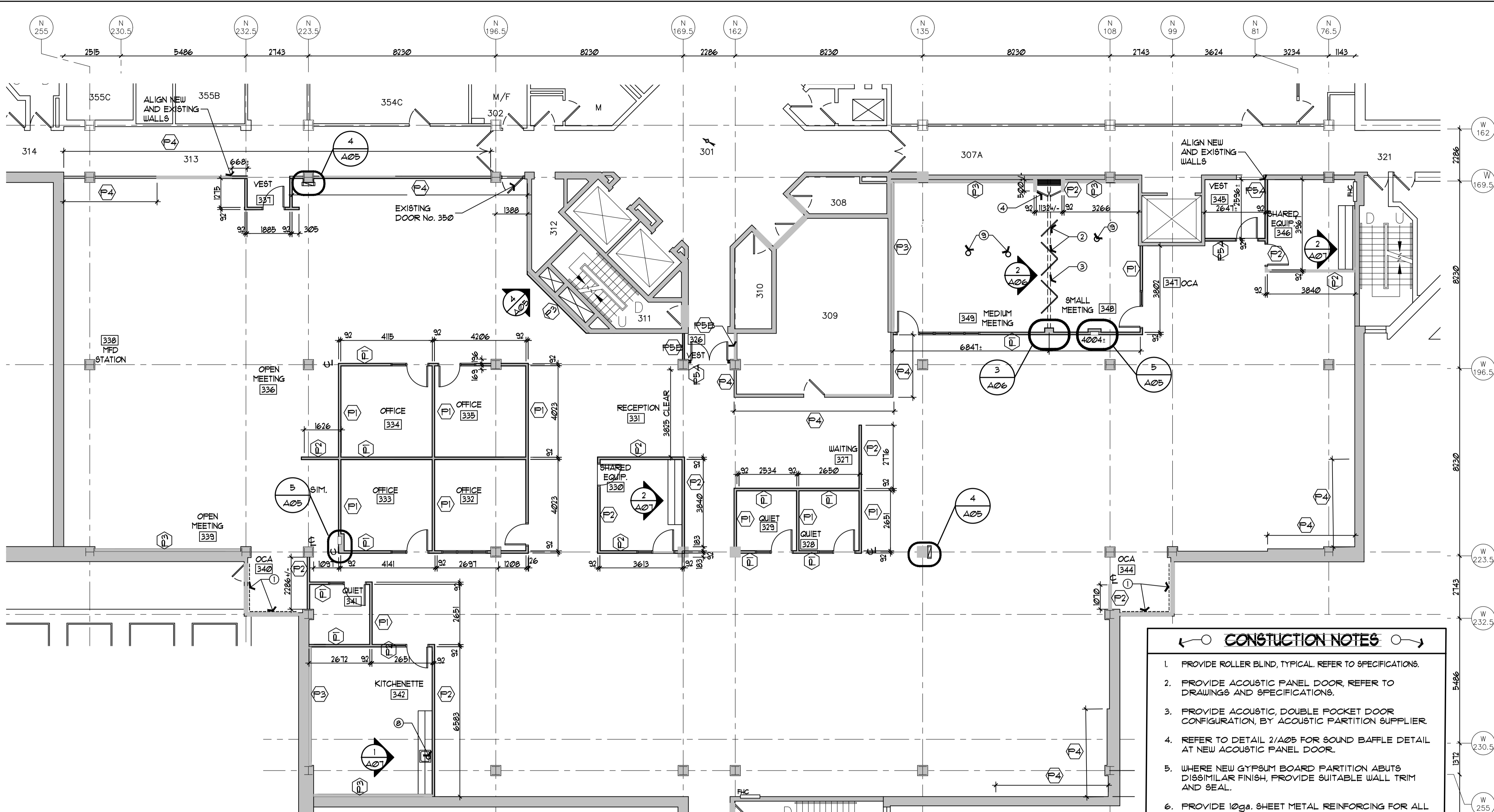
designing **MONTREAL ROAD CAMPUS** dessin

drawing **DEMOLITION REFLECTED CEILING PLAN** dessin

designed SWH	conçu SWH	date FEB. 2016	date
drawn SWH	dessiné SWH	scale AS NOTED	échelle
checked CE	vérifié CE	sheet 3 of/de 11	feuille
approved BV	approuvé BV	W.O.no.	D.T.no.
dwg.no. 5130 - A02			dessin no.

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1 PART CONSTRUCTION FLOOR PLAN
 SCALE = 1:100

CONSTRUCTION NOTES

1. PROVIDE ROLLER BLIND, TYPICAL. REFER TO SPECIFICATIONS.
 2. PROVIDE ACOUSTIC PANEL DOOR, REFER TO DRAWINGS AND SPECIFICATIONS.
 3. PROVIDE ACOUSTIC, DOUBLE POCKET DOOR CONFIGURATION, BY ACOUSTIC PARTITION SUPPLIER.
 4. REFER TO DETAIL 2/A05 FOR SOUND Baffle DETAIL AT NEW ACOUSTIC PANEL DOOR.
 5. WHERE NEW GYPSUM BOARD PARTITION ABUTS DISSIMILAR FINISH, PROVIDE SUITABLE WALL TRIM AND SEAL.
 6. PROVIDE 10ga. SHEET METAL REINFORCING FOR ALL WALL MOUNTED FIXTURES AND UPPER CABINETS.
1. PROVIDE PAINT FINIS TO ALL WALLS/CEILING, DOOR FRAMES AND FITTINGS (NEW AND EXISTING) WITHIN WORK AREA, ALL SIDES.
 2. MECHANICAL REQUIREMENT CORING OF EXISTING CONCRETE SLAB FOR 40mm DRAIN LINE. COORDINATE WITH MECHANICAL. SCAN FLOOR BEFORE CORING.
 3. ELECTRICAL REQUIREMENT FOR CORING EXISTING CONCRETE SLAB FOR COMMUNICATION/POWER FLOOR MOUNT, COORDINATE WITH ELECTRICAL. SCAN FLOOR BEFORE CORING.

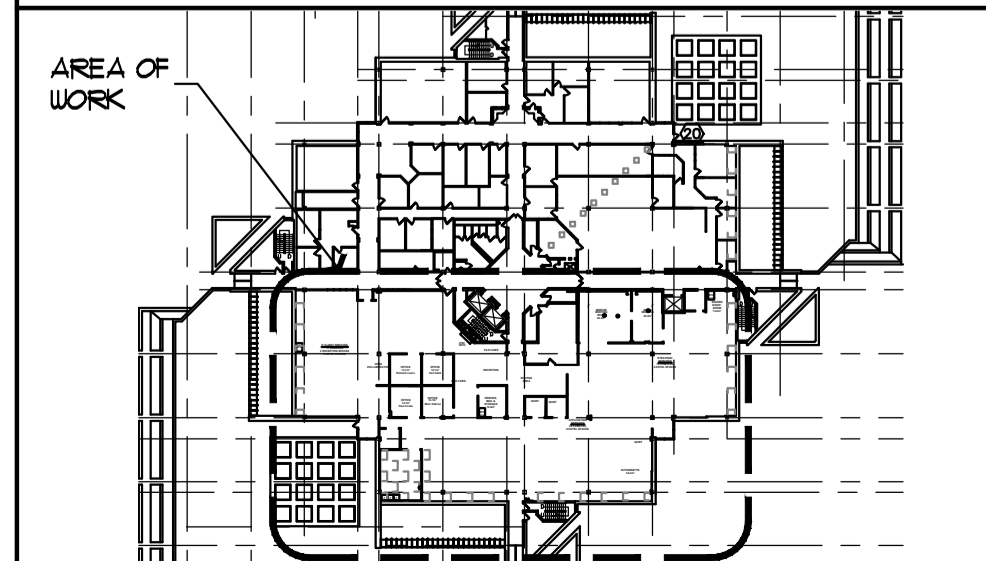
PARTITION LEGEND

1. TYPICAL NEW PARTITIONS INSTALL TO UNDERSIDE OF EXISTING CEILING UNLESS OTHERWISE NOTED.
 2. INSTALL NEW PARTITIONS ON THE CENTER LINE OF THE 150mm SPACE BETWEEN EXISTING CEILING GRIDS.
 3. TYPICAL: DO NOT SCREW OR MECHANICAL FASTEN TO EXISTING CONCRETE OR MASONRY SURFACES.
 4. TYPICAL: USE DOUBLE SIDED BONDING TAPE TO ATTACH NEW PARTITIONS TO CONCRETE OR MASONRY SURFACES.
- PARTITION WALLS OF NEW CONSTRUCTION**
- INTERIOR PARTITION WALL**
 13mm GYPSUM BOARD, PRIMED AND 2 COAT PAINT FINISH.
 92mm METAL STUDS @ 400mm O.C.
 13mm GYPSUM BOARD, PRIMED AND 2 COAT PAINT FINISH.
- NOTES:
 1. PROVIDE FULL HEIGHT SOUND ATTENUATION INSULATION BETWEEN METAL STUDS.
 2. EXTEND STUDS C/W SLOTTED DEFLECTION TOP TRACK FULL HEIGHT, TO U/S OF CONCRETE SLAB ABOVE, APPROX. 3530mm AFF. EXTEND GYPSUM BOARD FULL HEIGHT, MUD AND TAPE ONLY.
- INTERIOR PARTITION WALL**
 13mm GYPSUM BOARD, PRIMED AND 2 COAT PAINT FINISH.
 92mm METAL STUDS @ 400mm O.C.
 13mm GYPSUM BOARD, PRIMED AND 2 COAT PAINT FINISH.
- NOTES:
 1. PROVIDE FULL HEIGHT SOUND ATTENUATION INSULATION BETWEEN METAL STUDS.
 2. EXTEND NEW PARTITION TO U/S OF EXISTING ACT CEILING GRID, EXISTING CEILING HEIGHT 2800mm.
- WALL RUSING**
 13mm GYPSUM BOARD, PRIMED AND 2 COAT PAINT FINISH.
 64mm METAL STUDS @ 400mm O.C. TO UNDERSIDE OF CEILING GRID, EXISTING CEILING HEIGHT 2800mm:
 1. PROVIDE NEW CEILING T-BAR WALL ANGLE AS REQUIRED.
- WALL SURFACE REPLACEMENT**
 13mm GYPSUM BOARD, PRIMED AND 2 COAT PAINT FINISH.
 J-MOULD AT EXISTING CEILING ANGLE.
- 1/2 HOUR RATED PARTITION**
 16mm TYPE-X GYPSUM BOARD
 92mm METAL STUDS 25 GAUGE @ 400mm O.C.
 RC CHANNEL @ 400mm O.C.
 15mm SOUND ATTENUATION FIRE BLANKET
 16mm TYPE-X GYPSUM BOARD
 PSA EXTEND STUDS C/W SLOTTED DEFLECTION TOP TRACK FULL HEIGHT, TO U/S OF CONCRETE SLAB ABOVE, 3530mm AFF. EXTEND GYPSUM BOARD FULL HEIGHT.
 PSB EXTEND NEW PARTITION TO U/S OF TO EXISTING FIRE RATED GYPSUM BOARD ASSEMBLY.

ABBREVIATIONS

AWB	ALUMINUM WALL BASE	LIT	LAY IN TILE CEILING
ACT	ACOUSTIC CEILING TILE	NTS	NOT TO SCALE
AFF	ABOVE FINISHED FLOOR	O.C.	ON CENTER
CONC	CONCRETE	FS	FRESSED STEEL
CPT	CARPET	PT	PAINT
CMU	CONCRETE MASONRY UNIT	PCT	PAINTED CONCRETE TOPPING
C/W	COMPLETE WITH	REV	REVERSE
DMNT	DEMOUNTABLE	RUB	RESILIENT WALL BASE
DWG	DRAWING	RSF	RESILIENT SHEET FLOORING
(E)	EXISTING	SIM	SIMILAR
FFL	FINISHED FLOOR LEVEL	SP	SPRINKLER HEAD
GB	GYPSUM BOARD	U/S	UNDERSIDE
H1	HOLLOW METAL	TYP	TYPICAL

KEY PLAN



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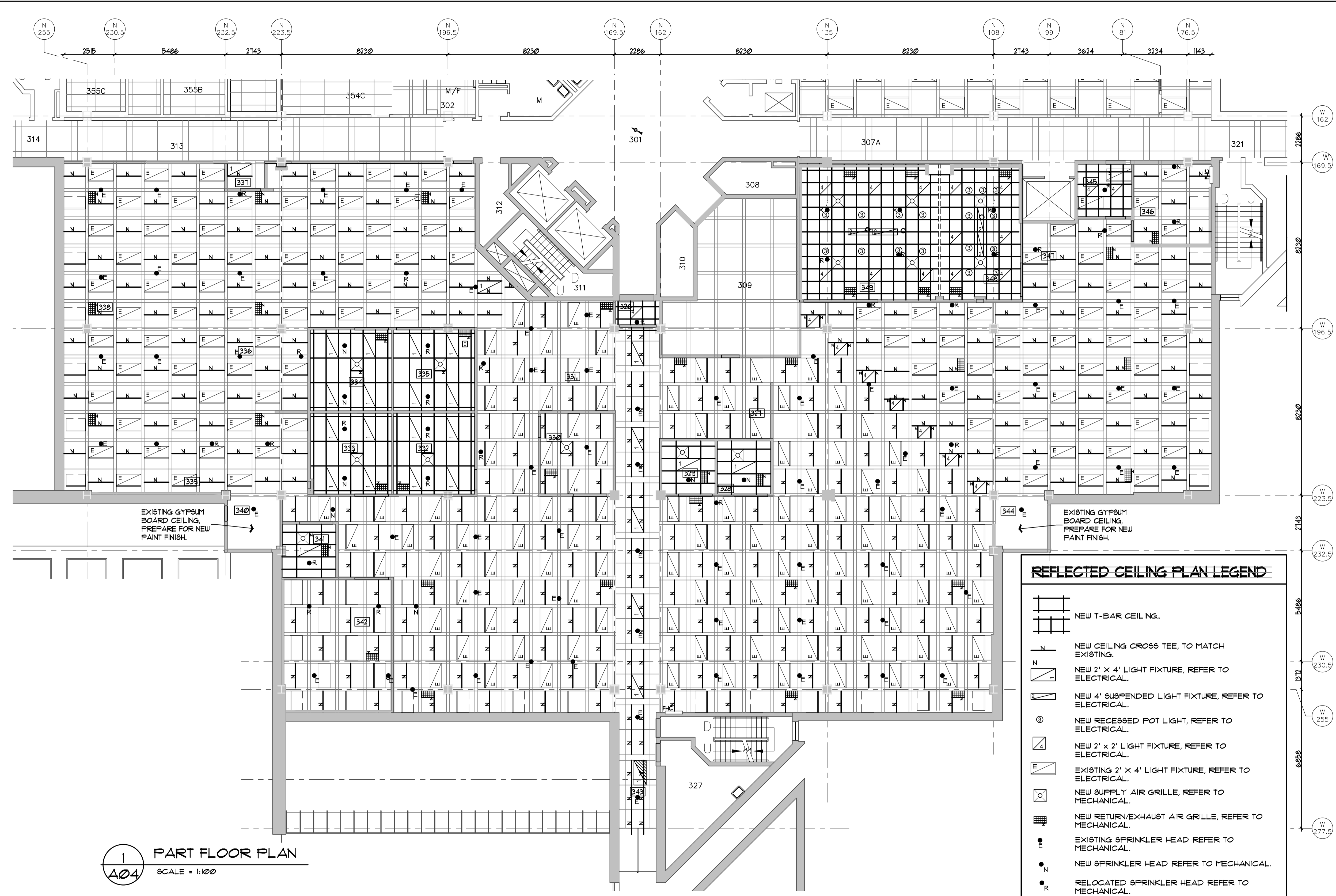
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project
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 MONTREAL ROAD CAMPUS
 drawing
CONSTRUCTION FLOOR PLAN
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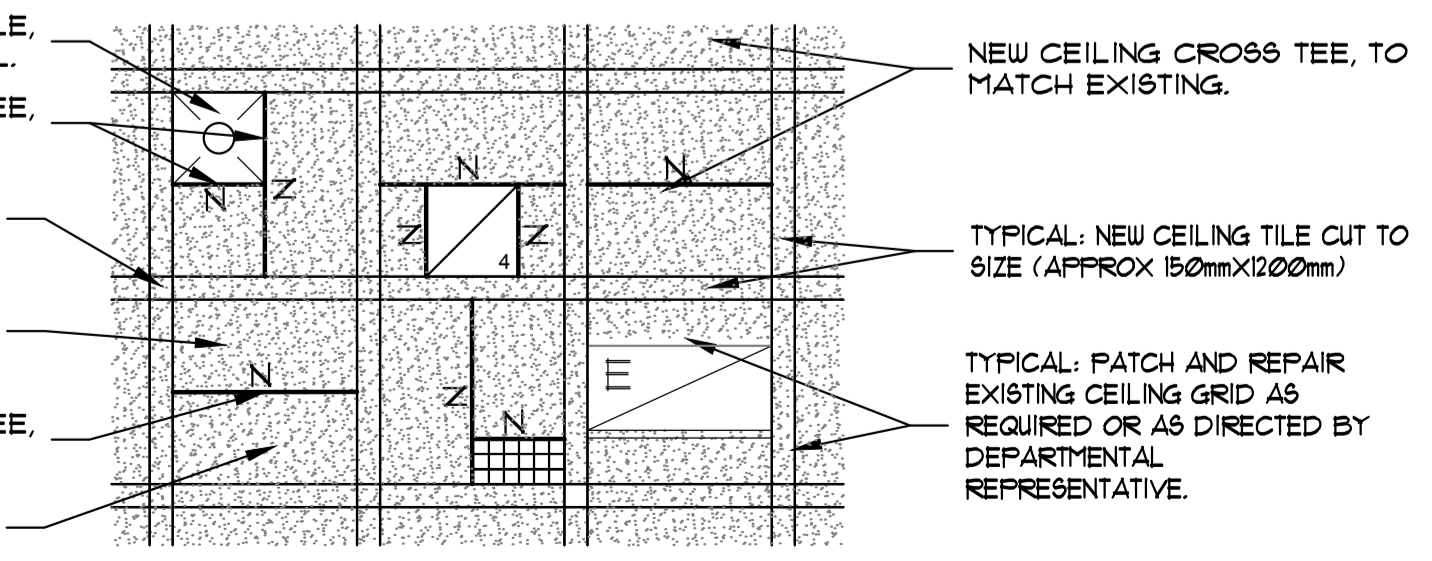
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REFLECTED CEILING PLAN LEGEND

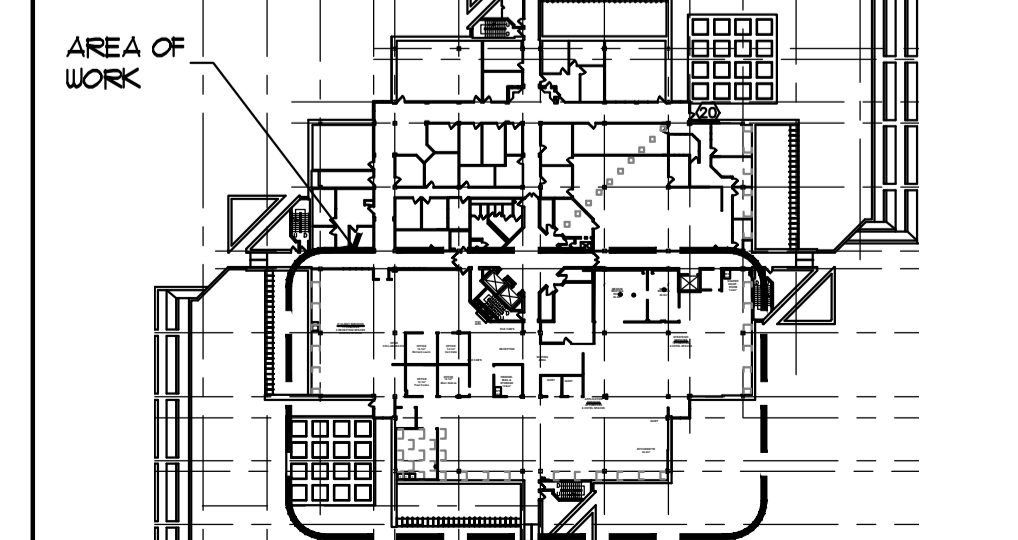
- NEW T-BAR CEILING.
- NEW CEILING CROSS TEE, TO MATCH EXISTING.
- NEW 2' x 4' LIGHT FIXTURE, REFER TO ELECTRICAL.
- NEW 4' SUSPENDED LIGHT FIXTURE, REFER TO ELECTRICAL.
- NEW RECESSED POT LIGHT, REFER TO ELECTRICAL.
- NEW 2' x 2' LIGHT FIXTURE, REFER TO ELECTRICAL.
- EXISTING 2' x 4' LIGHT FIXTURE, REFER TO ELECTRICAL.
- NEW SUPPLY AIR GRILLE, REFER TO MECHANICAL.
- NEW RETURN/EXHAUST AIR GRILLE, REFER TO MECHANICAL.
- EXISTING SPRINKLER HEAD REFER TO MECHANICAL.
- NEW SPRINKLER HEAD REFER TO MECHANICAL.
- RELOCATED SPRINKLER HEAD REFER TO MECHANICAL.

1 PART FLOOR PLAN
 SCALE = 1:100



2 TYPICAL - NEW CEILING GRID LAYOUTS
 SCALE = 1:50

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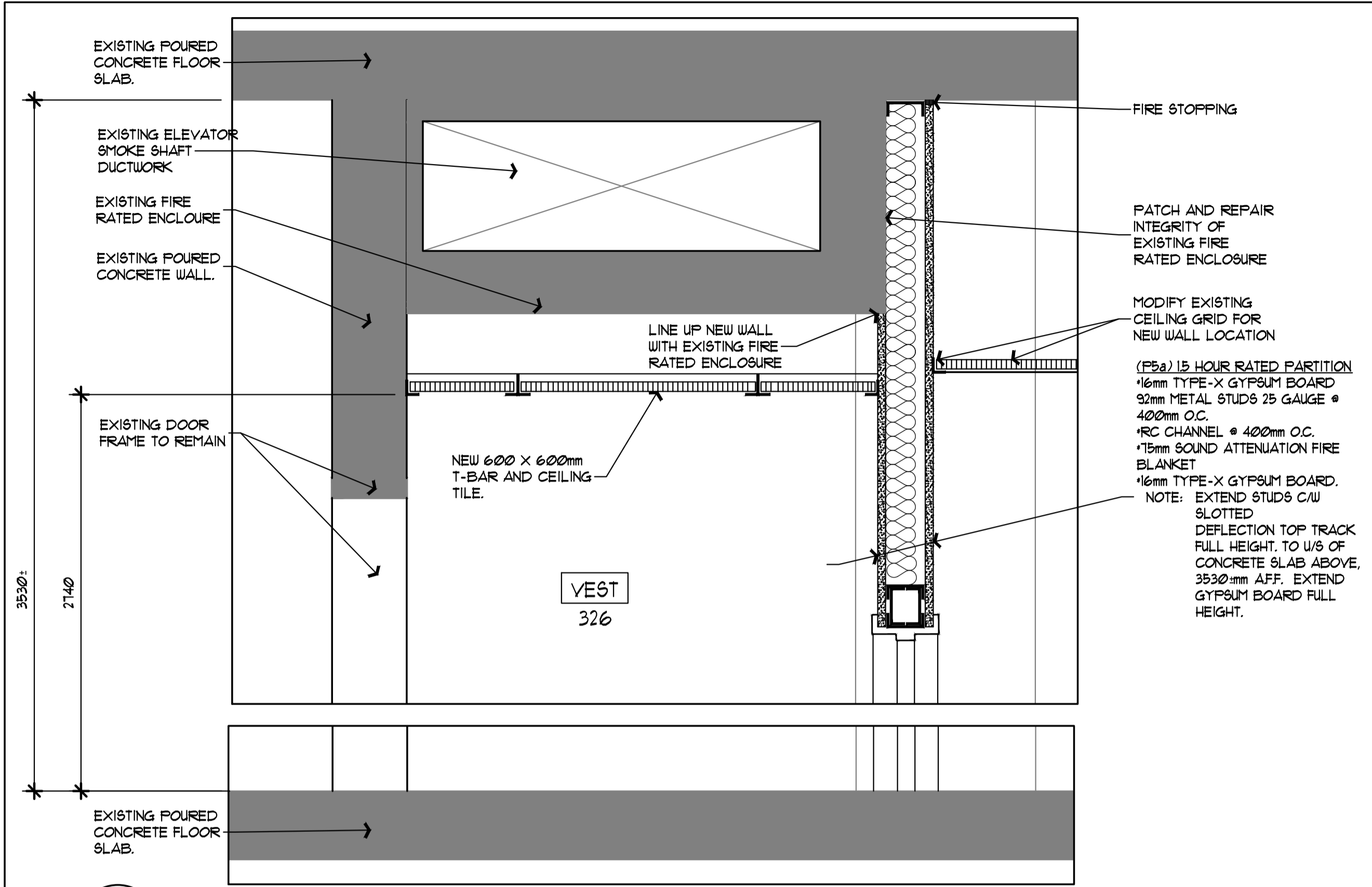
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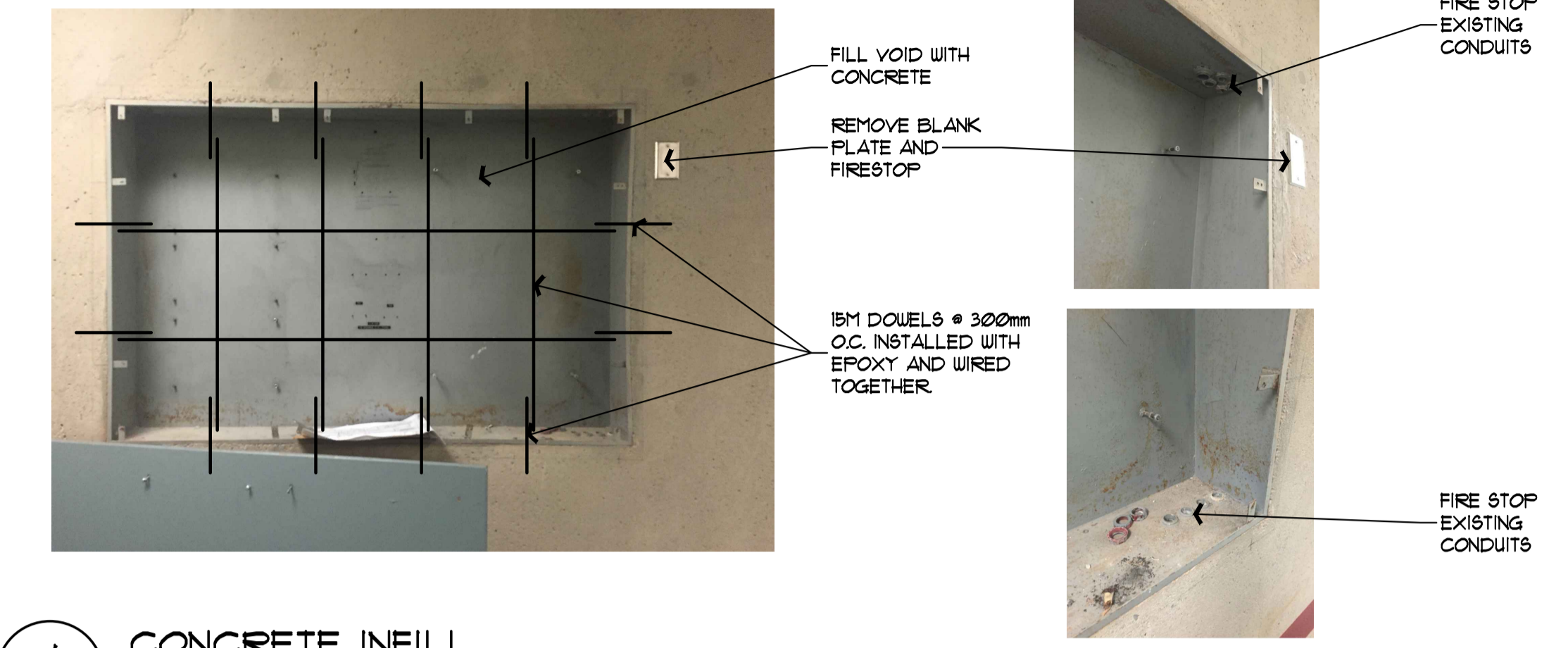
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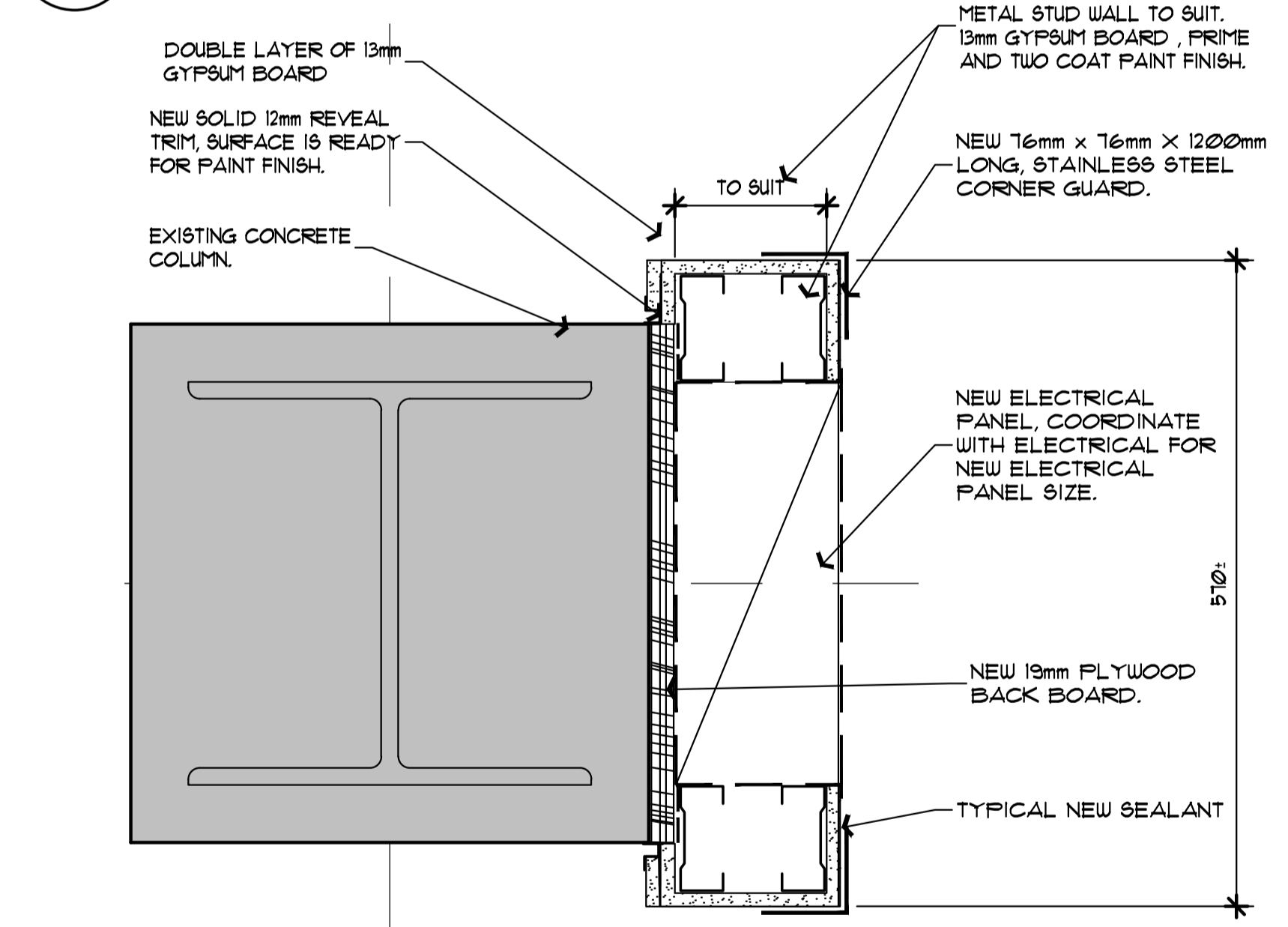
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- H. SEAL OPENINGS WHERE CABLES, CONDUITS AND PIPES PASS THROUGH WALLS WITH AN ACOUSTIC SEALANT CONFORMING TO CAN/CGSB-19.21-M81.
- J. WHERE CABLES, CABLES, CONDUITS AND PIPES PASS THROUGH FIRE RATED WALLS AND FLOORS, PACK SPACE BETWEEN WITH COMPRESSED GRASS FIBRES AND SEAL WITH FIRE STOP CAULKING IN ACCORDANCE WITH CAN/CGSB-19.13-M81 AND NBC 3.1.7.



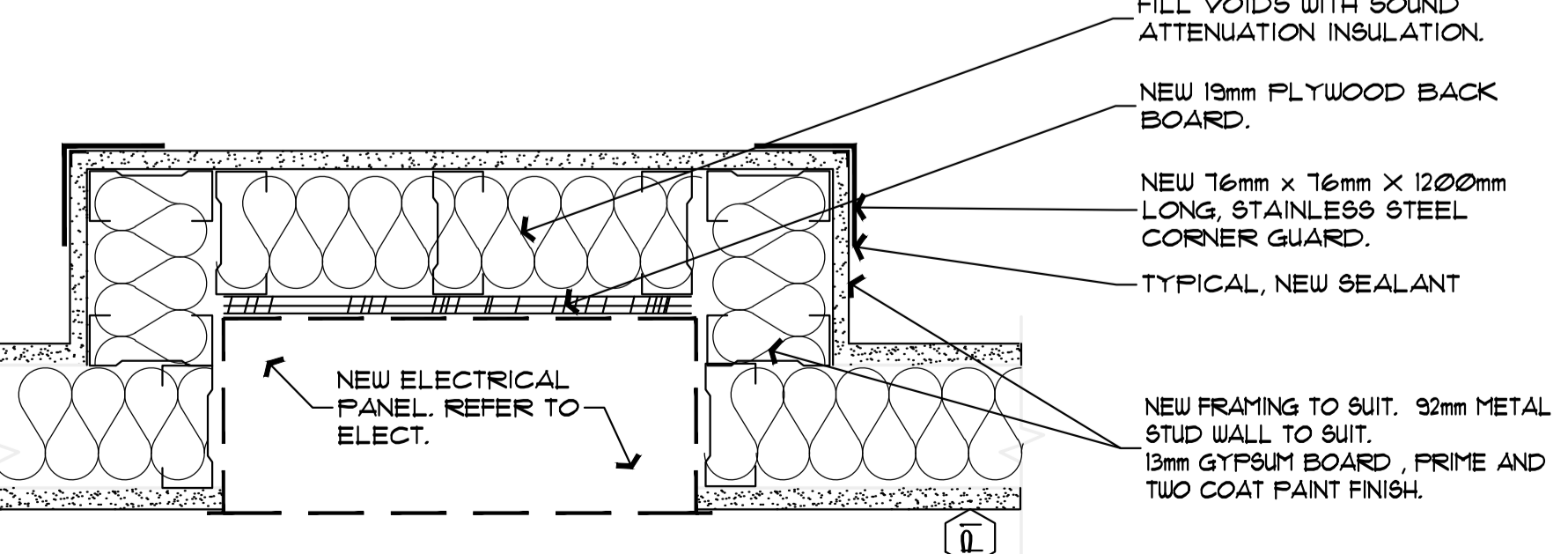
1 VESTIBULE 326 WALL SECTION
 SCALE = 1:10



4 CONCRETE INFILL
 SCALE = NTS



2 TYPICAL EXISTING COLUMN AT NEW ELECTRICAL PANEL
 SCALE = 1:5

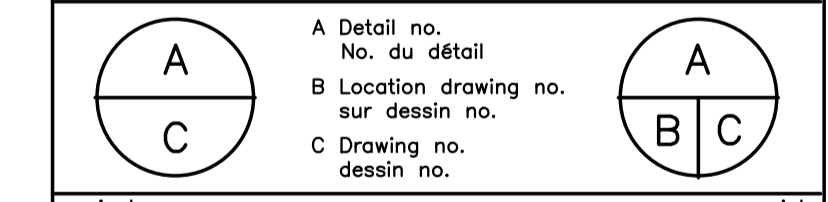


3 TYPICAL WALL FRAMING AT NEW ELECTRICAL PANEL
 SCALE = 1:5

1	11 FEB 2016	ISSUED FOR TENDER	SWH
No.	Date	Revision	By: Part

Date Printed: 11 FEB 2016 Date imprimée:

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project / projet
M-55, PART THIRD FLOOR RENOVATION.
M-60 ITS MOVE TO M-55

MONTREAL ROAD CAMPUS

drawing / dessin
DETAILS

designed / conçu	SWH	date / date	FEB. 2016
drawn / dessiné	SWH	scale / échelle	AS NOTED
checked / vérifié	CB	sheet / feuille	6 of/de 11
approved / approuvé	BV	W.O.no.	D.T.no.
dwg.no.	5130 - A05	dessin no.	

DOOR FRAME & HARDWARE SCHEDULE

NO.	ROOM NAME	DOORS							GLAZG		VISION LITE		FRAMES				NOTES
		WIDTH	HEIGHT	THICKN.	MATL.	FIN.	TYPE	RATING	MATL.	HEIGHT	WIDTH	MATL.	FIN.	TYPE	COLOR		
326	VESTIBULE	965	2135	45	HM	PAINT	A	30 MIN	WG	400	150	PS	PAINT	F2	P6	1, 4, 5, 6, 7, 9 ON ACT. DOOR, 10, 11, 12, 14, 15, 17	
328	QUIET ROOM	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F3	P4	1, 2, 5, 8, 10	
329	QUIET ROOM	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F3	P6	1, 2, 5, 8, 10	
330A	SHARED EQUIP. RM	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F3	P6	1, 2, 8, 9, 10	
330B	SHARED EQUIP. RM	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F1	P6	1, 2, 8, 9, 10	
332	OFFICE	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F3	P2	1, 3, 5, 8, 9, 10	
332	OFFICE	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F3	P2	1, 3, 5, 8, 9, 10	
333	OFFICE	-	-	-	-	-	-	-	FT	-	-	PS	PAINT	F5	P2	-	
334	OFFICE	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F3	P3	1, 3, 5, 8, 9, 10	
335	OFFICE	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F3	P3	1, 3, 5, 8, 9, 10	
337	VESTIBULE	965	2135	45	HM	PAINT	A	-	WG	400	150	PS	PAINT	F1	P6	1, 4, 6, 9, 10, 12, 13, 14, 17	
341	QUIET ROOM	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F3	P6	1, 2, 5, 6, 9, 10	
342	KITCHENETTE	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F3	P4	1, 2, 8, 9, 10	
345	VESTIBULE	965	2135	45	HM	PAINT	A	30 MIN	WG	600	300	PS	PAINT	F1	P6	1, 4, 6, 9, 10, 12, 13, 14, 17	
346	SHARED EQUIPMENT	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F1	P6	1, 2, 5, 6, 9, 10	
348	SM MEETING RM	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F3	P6	1, 3, 5, 8, 9, 10	
349	LG MEETING RM	965	2135	45	SCWD	PAINT	A	-	FT	1200	300	PS	PAINT	F4	P2	1, 3, 5, 8, 9, 10	

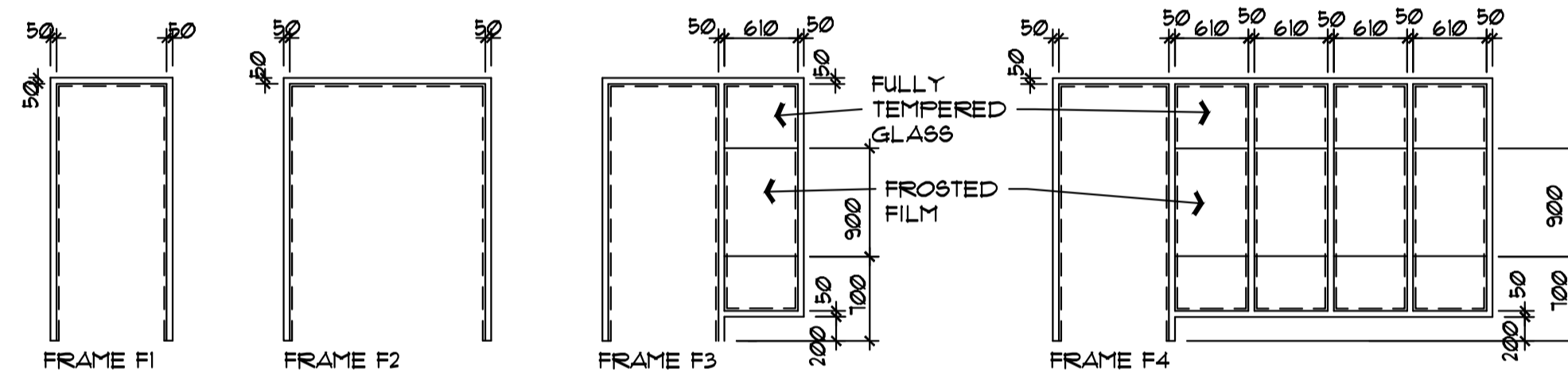
DOOR SCHEDULE NOTES:

1. HINGES
2. LATCHING DEVICE, LATCHSET
3. LATCHING DEVICE, LOCKSET.
4. DOOR CLOSURE.
5. DROP DOWN DOOR SEAL AND PERIMETER SOUND GASKETS.
6. EGRESS DOOR. CONCEALED VERTICAL ROD FIRE EXIT DEVICE HARDWARE.
7. 6mm WIRED GLASS FOR 30 MINUTE RATED DOOR.
8. KICK DOWN DOOR HOLDER.
9. KICK PLATE, 200X265mm X 630.
10. DOOR STOP.
11. INACTIVE LEAF TO HAVE FLUSH BOLTS TOP AND BOTTOM. INACTIVE LEAF TO HAVE AN ASTRAGAL. INACTIVE LEAF TO HAVE A DOOR STOP.
12. ELECTRIC HINGE SECURE SIDE OF DOOR. MODEL: VON DUPRIN TRANSFER HINGE EP2. (REFER TO ELECTRICAL).
13. PROVIDE "HES" 4500 SERIES ELECTRIC STRIKE, AS WELL AS ANY HIDDEN WIRING REQUIRED TO SUPPORT MISC. SECURITY ITEMS. (REFER TO ELECTRICAL).
14. KICK PLATE.
15. DOOR MATERIALS:
HM HOLLOW METAL
SCWD SOLID CORE WOOD DOOR
16. ALL DOORS TO BE PAINTED P2, REFER TO FINISHES LEGEND, A03.
17. EXIST DEVICE.

NRC - CNRC

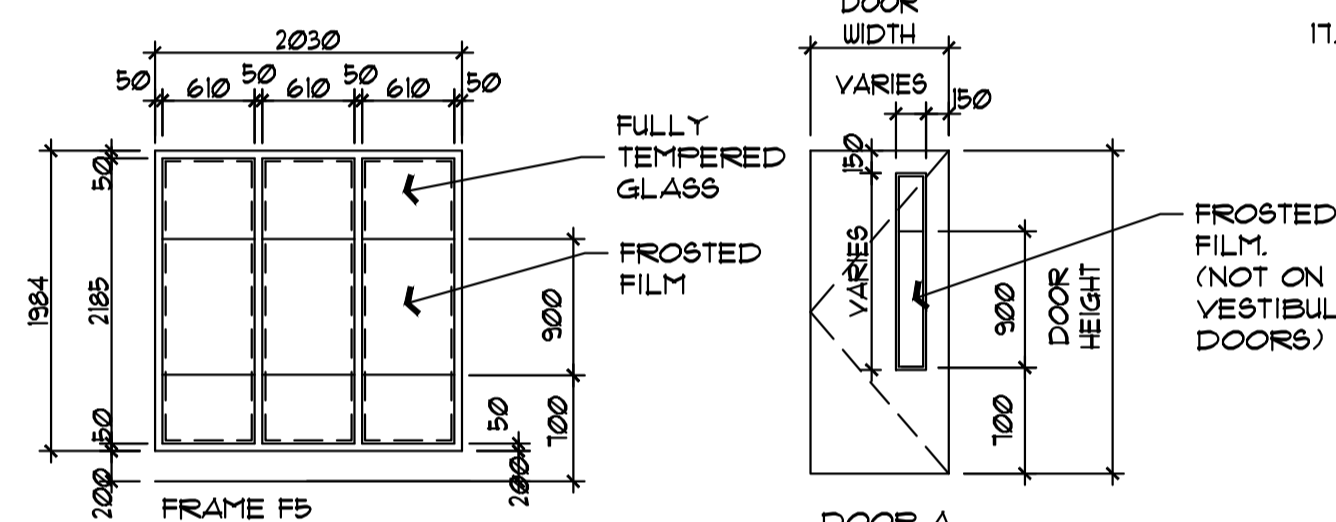
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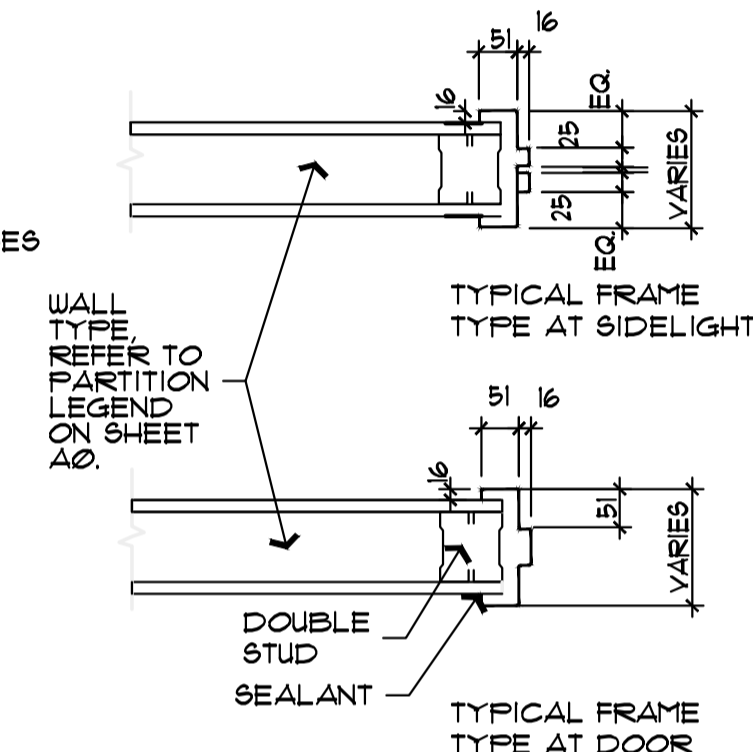
1 FRAME ELEVATIONS

A06 SCALE = 1:50



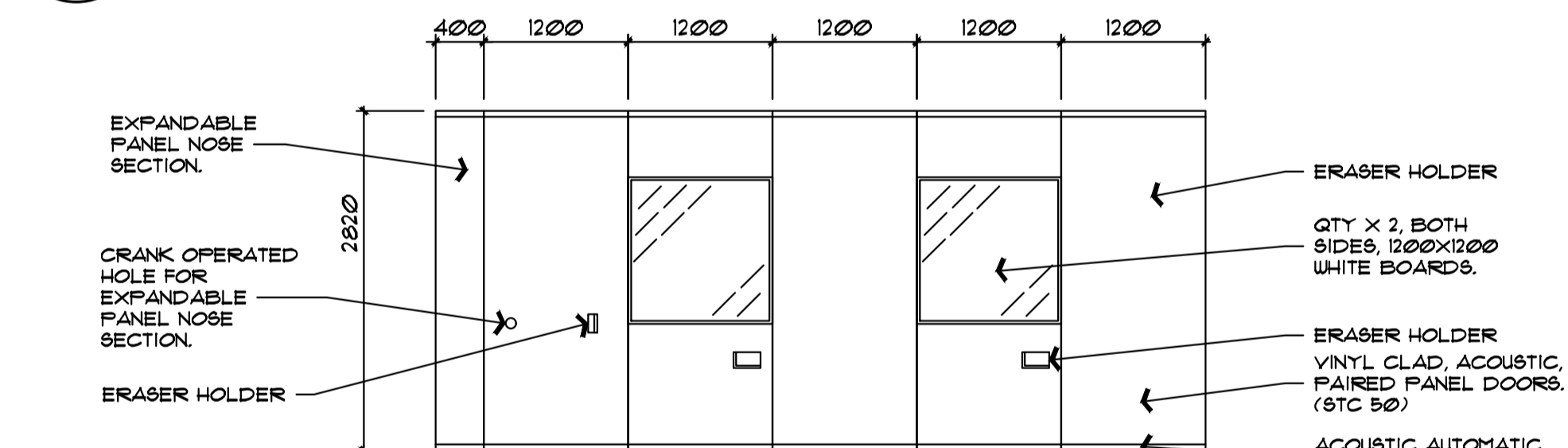
4 DOOR A DOOR ELEVATION

A06 SCALE = 1:50



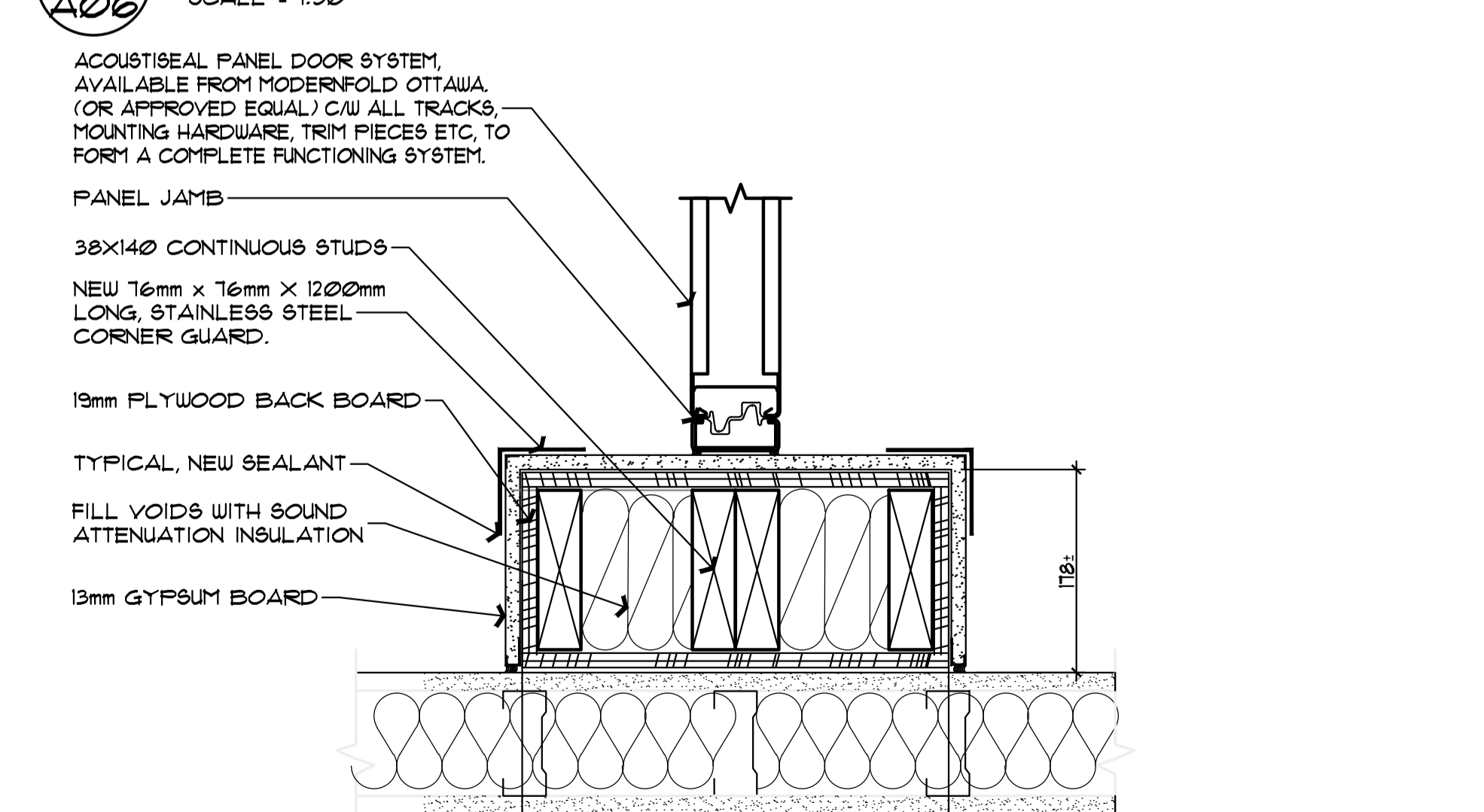
6 TYPICAL DOOR AND SIDELIGHT JAMB DETAIL

A06 SCALE = NTS



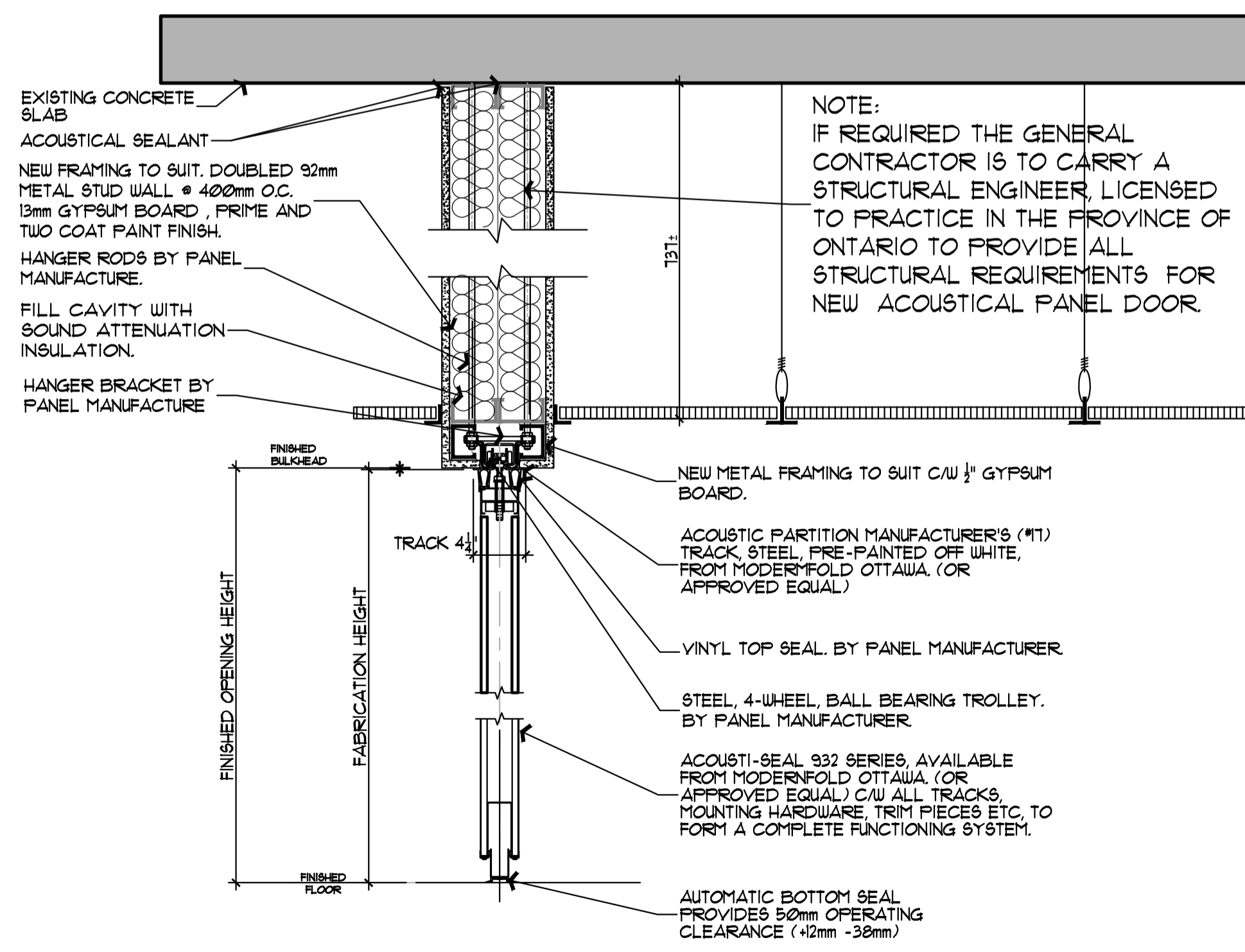
2 TYPICAL PANEL ELEVATION

A06 SCALE = 1:50



3 TYPICAL PANEL ELEVATION

A06 SCALE = 1:5



5 ACOUSTIC PANEL DOOR AND SOUND Baffle DETAIL

A06 SCALE = 1:16

NOTE:
IF REQUIRED THE GENERAL CONTRACTOR IS TO CARRY A STRUCTURAL ENGINEER, LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO TO PROVIDE ALL STRUCTURAL REQUIREMENTS FOR NEW ACOUSTICAL PANEL DOOR.

1	11 FEB 2016	ISSUED FOR TENDER	SWH
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Date Printed 11 FEB 2016		Date imprimée	

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A	A Detail no.	A
C	B Location drawing no. sur dessin no.	B
	C Drawing no. dessin no.	C

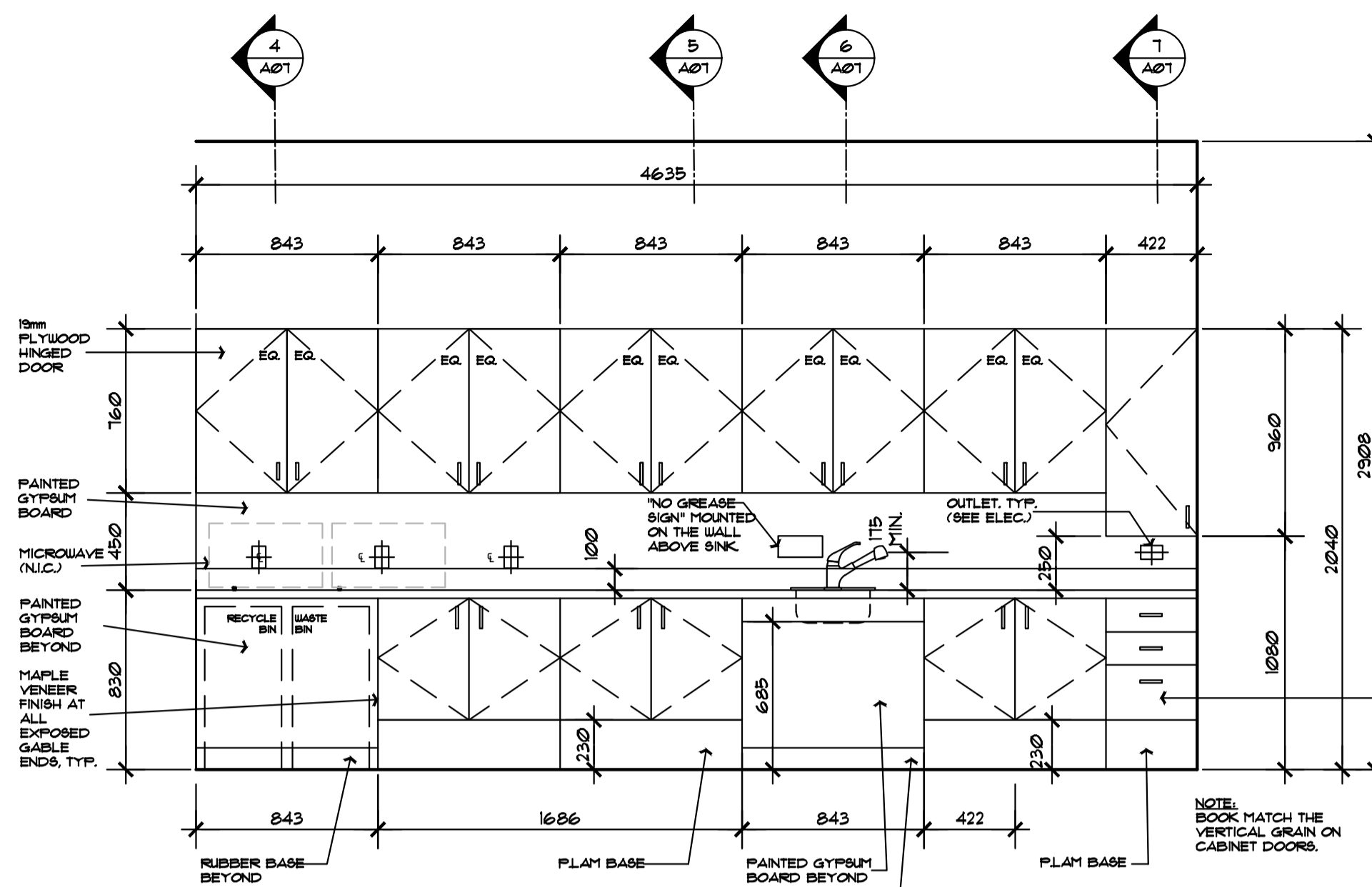
project
M-55, PART THIRD FLOOR RENOVATION. M-60 ITS MOVE TO M-55
 project
 MONTREAL ROAD CAMPUS
 drawing
DOOR AND FRAME ELEVATIONS, DOOR AND FRAME SCHEDULE
 dessin

designed	conçu	date	date
SWH		FEB. 2016	
drawn	dessiné	scale	échelle
SWH		AS NOTED	
checked	vérifié	sheet	feuille
CE		7 of/de 11	
approved	approuvé	W.O.no.	D.T.no.
BV			

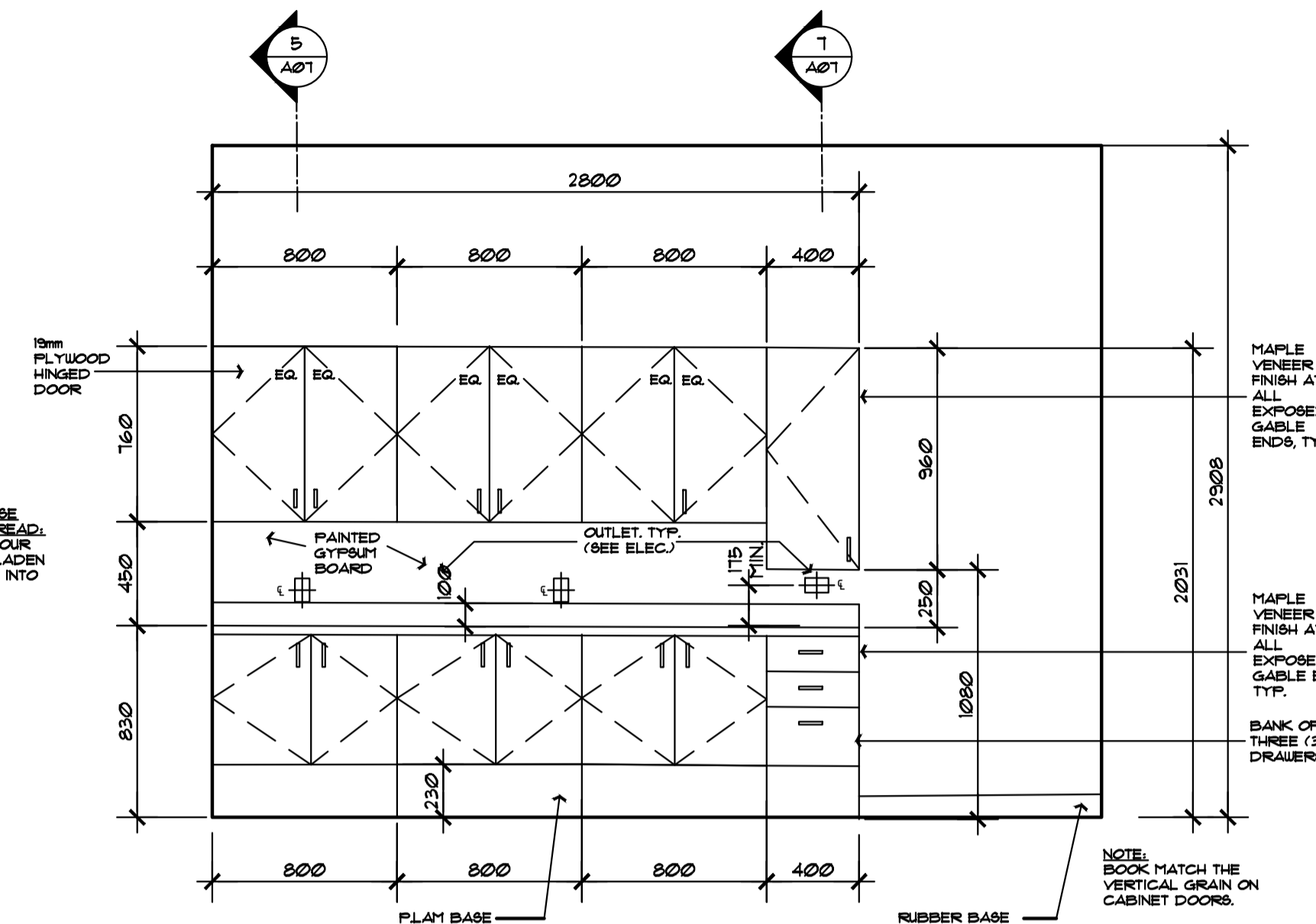
dwg.no. dessin no.
5130 - A06

GENERAL NOTES

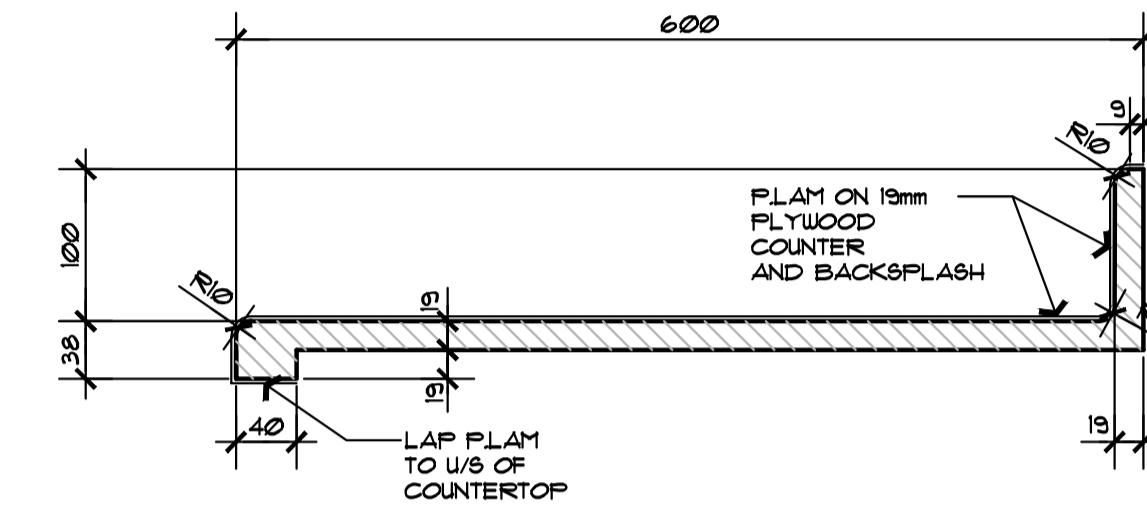
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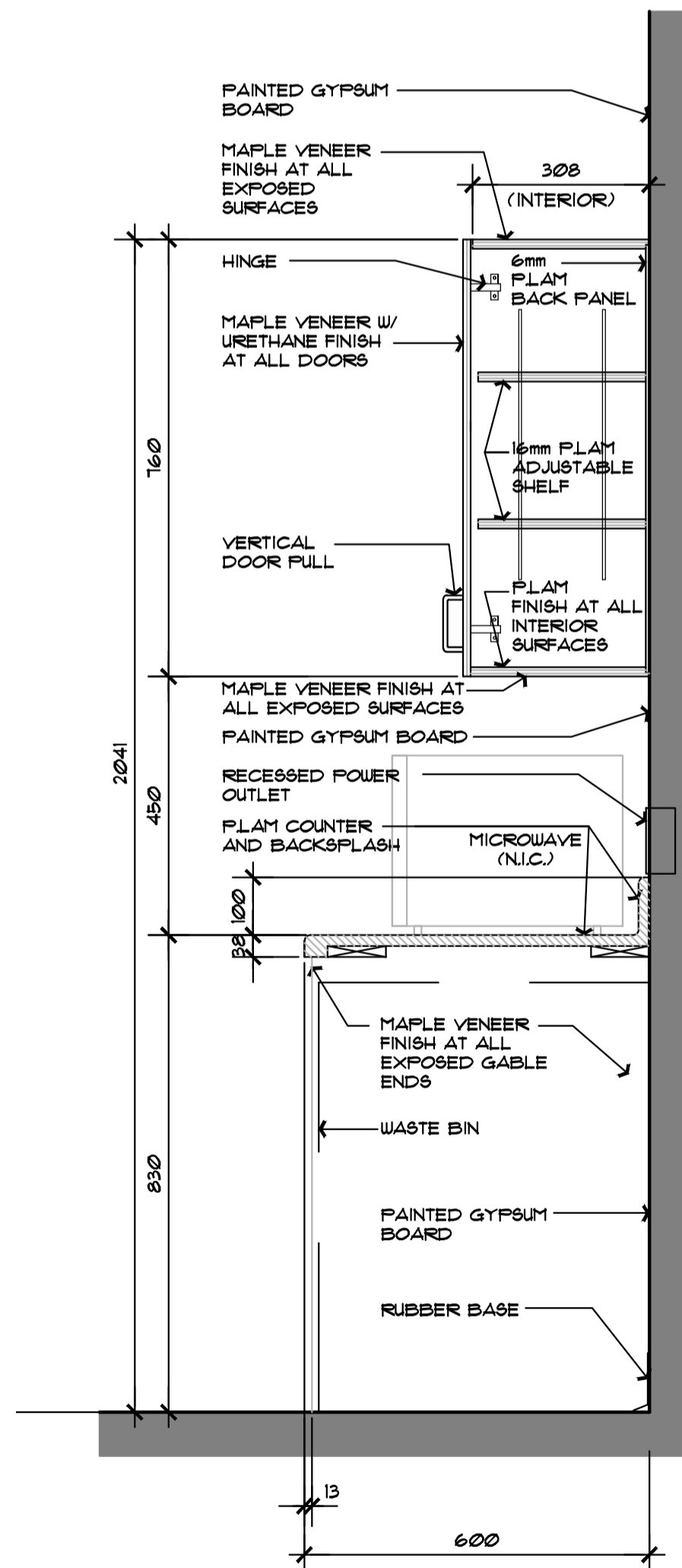
1 KITCHENETTE MILLWORK ELEVATION
 SCALE = 1:25



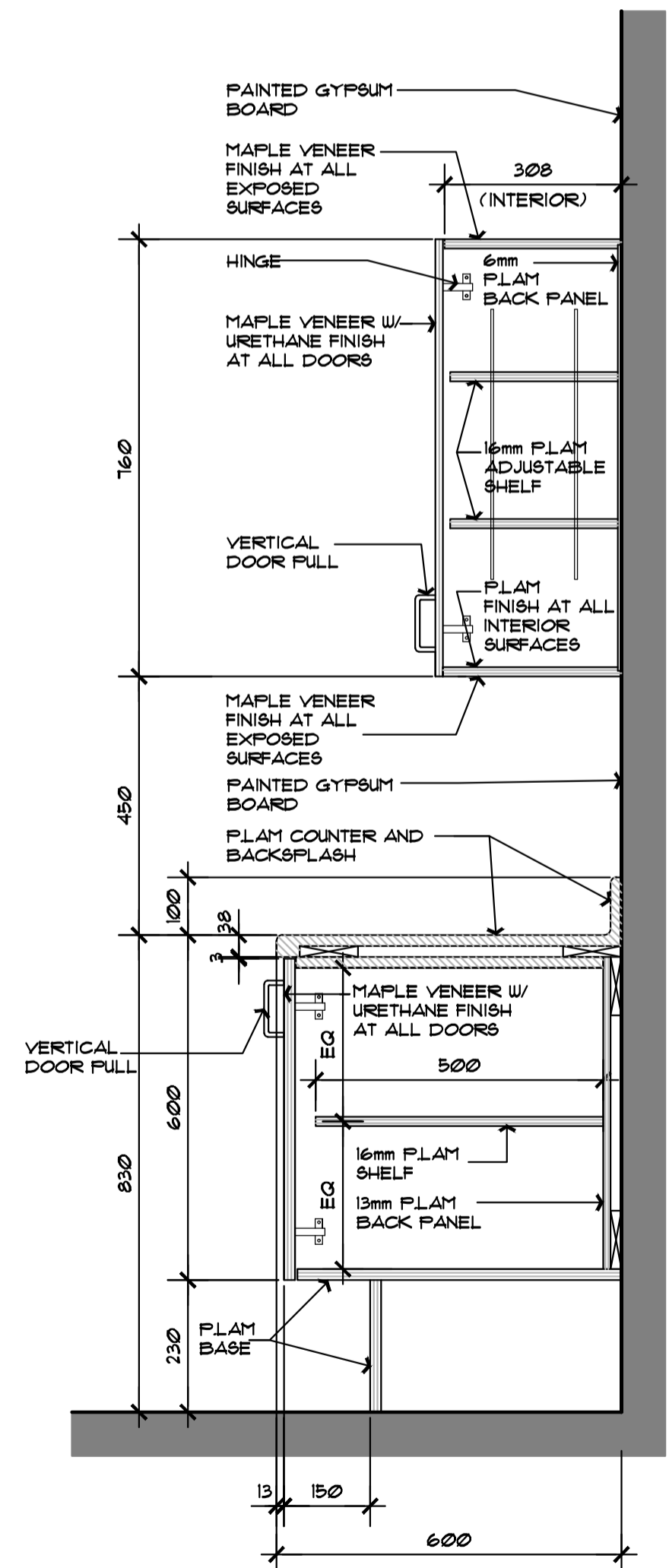
2 SHARED EQUIPMENT ROOM MILLWORK ELEVATION
 SCALE = 1:25



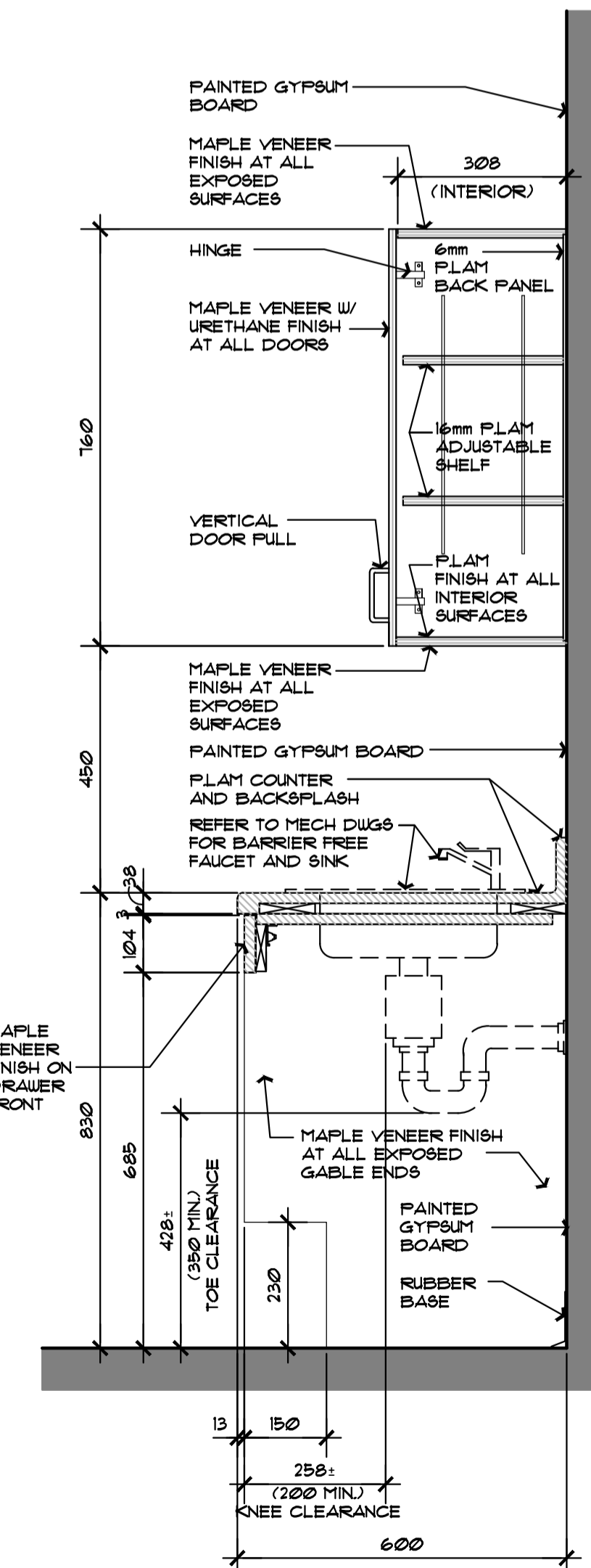
3 TYPICAL COUNTERTOP DETAIL
 SCALE = 1:5



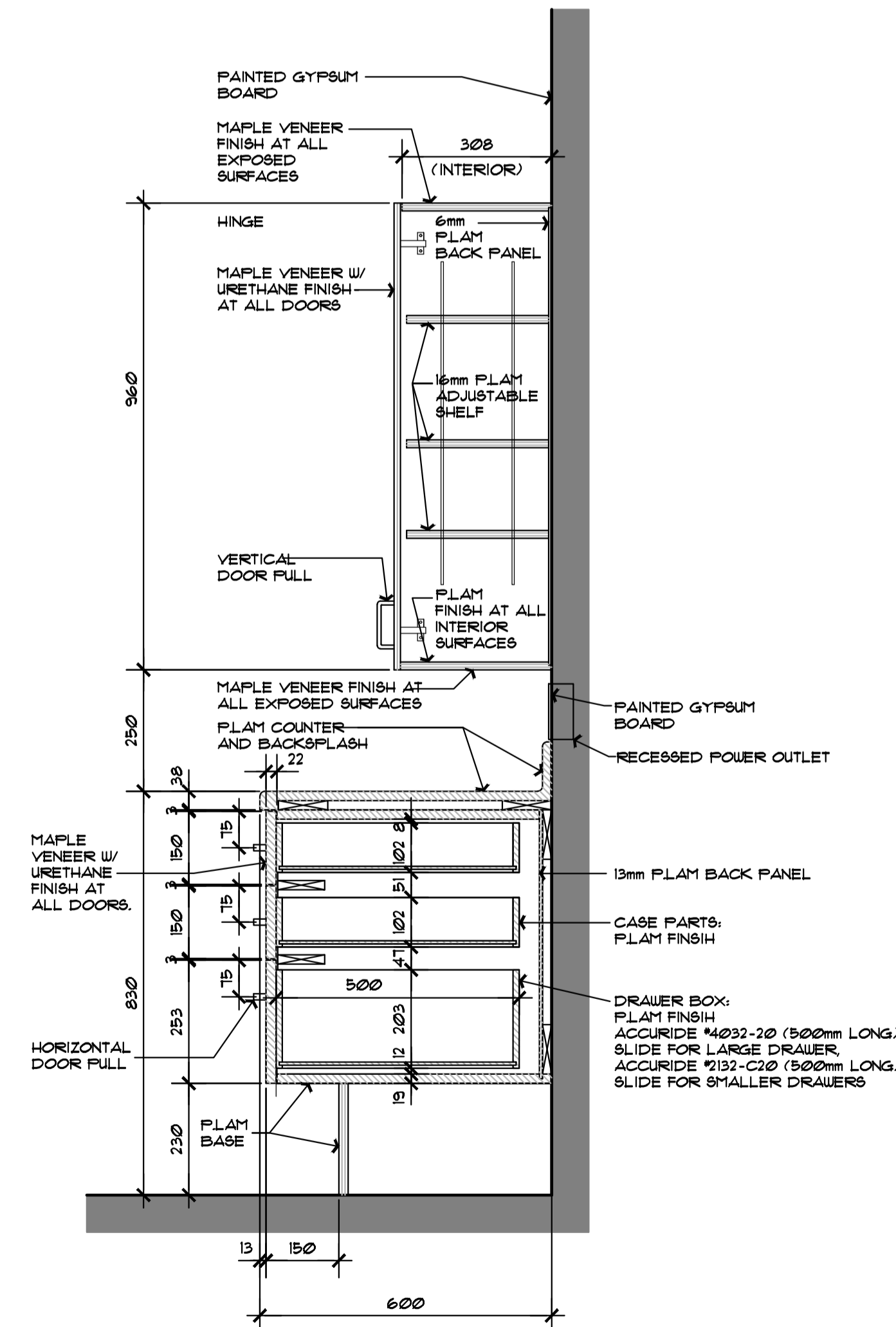
4 MILLWORK SECTION
 SCALE = 1:10



5 MILLWORK SECTION
 SCALE = 1:10



6 MILLWORK SECTION
 SCALE = 1:10



7 MILLWORK SECTION
 SCALE = 1:10

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Date Printed: 11 FEB 2016 Date imprimée:

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

project: **M-55, PART THIRD FLOOR RENOVATION. M-60 ITS MOVE TO M-55**

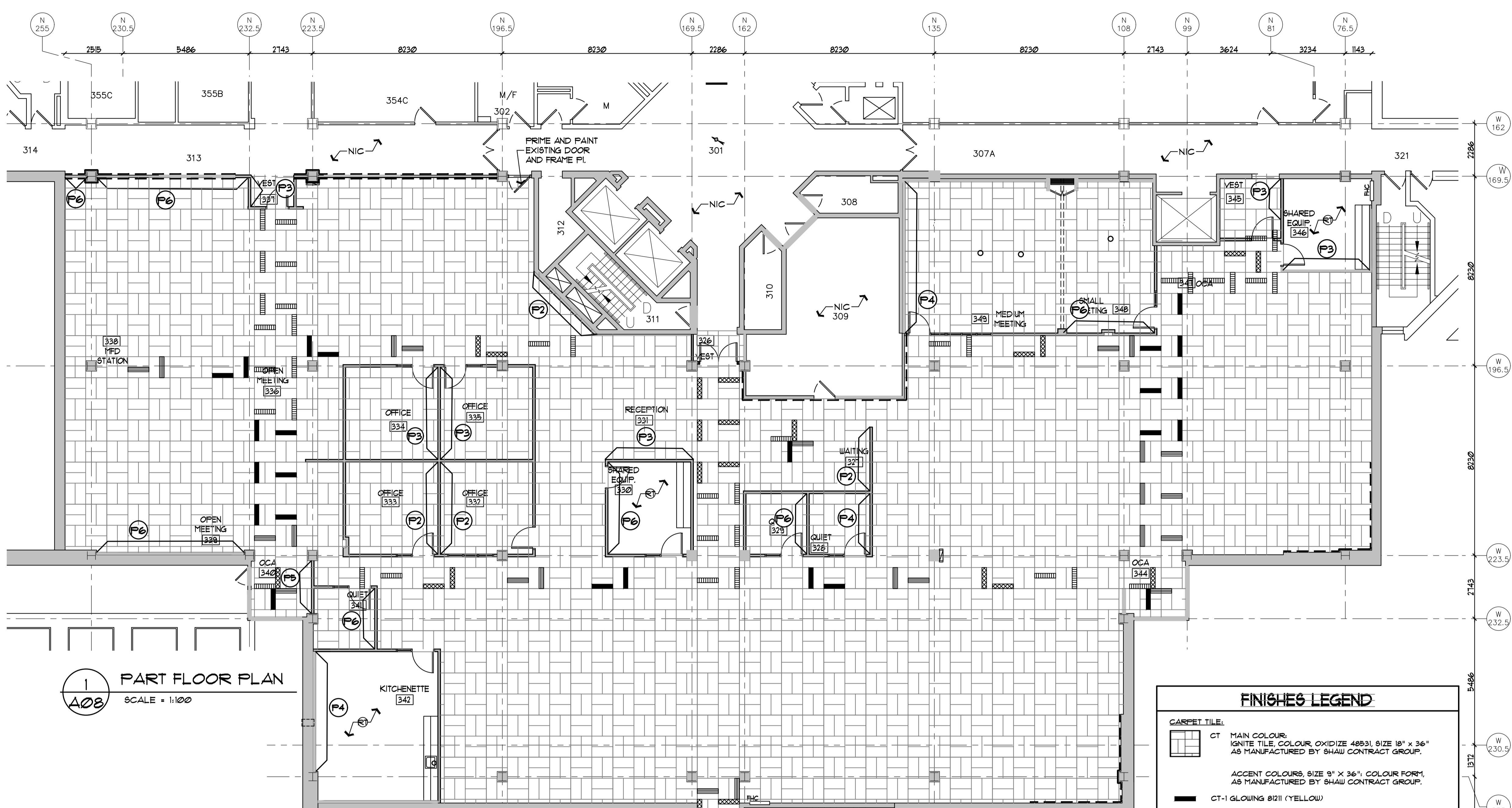
drawing: **MILLWORK ELEVATIONS AND DETAILS**

designed	conçu	date	date
SWH		FEB. 2016	
drawn	dessiné	scale	échelle
SWH		AS NOTED	
checked	vérifié	sheet	feuille
CE		8 of/de 11	
approved	approuvé	W.O.no.	D.T.no.
BV			

dwg.no. 5130 - A07 dessin no.

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1 PART FLOOR PLAN
 SCALE = 1:100

FINISHES LEGEND

CARPET TILE:

- CT MAIN COLOUR: IGNITE TILE, COLOUR, OXIDIZE 40531, SIZE 18" x 36" AS MANUFACTURED BY SHAW CONTRACT GROUP.
- ACCENT COLOURS, SIZE 9" x 36": COLOUR FORM, AS MANUFACTURED BY SHAW CONTRACT GROUP.
- CT-1 GLOWING 0121 (YELLOW)
- CT-2 PURPLE 01931 (PURPLE)
- CT-3 HYPER GREEN 01326 (GREEN)
- CT-4 HYPER BLUE 01436 (BLUE)

WALL BASE:

- RWB RESILIENT WALL BASE.

PAINT:

1. ALL WALLS TO BE PAINTED PI UNLESS OTHERWISE NOTED.
 - a. DO NOT PAINT EXPOSED CONCRETE WALLS.
 - b. EXISTING PAINTED ACCENT STRIPE ON EXPOSED CONCRETE WALLS AND COLUMNS TO BE PAINTED PI.
2. ALL GYPSUM BOARD CEILING / BULKHEADS TO BE PAINTED CEILING WHITE.
3. PAINT COLOURS:

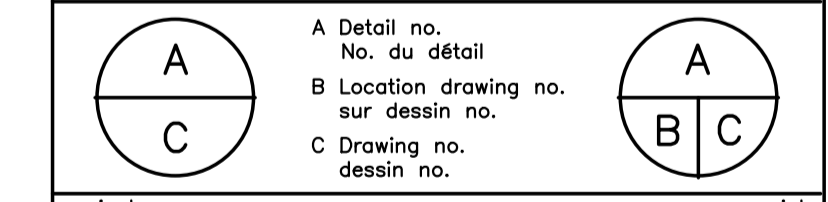
P1	SHERWIN WILLIAMS	ELDER WHITE	SW 7014
P2	SHERWIN WILLIAMS	GAUNTLET GREY	SW 7019
P3	SHERWIN WILLIAMS	DYNAMIC BLUE	SW 6959
P4	SHERWIN WILLIAMS	OVERT GREEN	SW 6718
P5	SHERWIN WILLIAMS	BEE	SW 6683
P6	SHERWIN WILLIAMS	VERVE VIOLET	SW 6975

CEILING TYPE:

- NTB NEW T-BAR CEILING GRID AND TILE.
- METB MODIFIED EXISTING T-BAR CEILING GRID AND NEW TILE.

FINISH SCHEDULE						
ROOM NAME	ROOM No.	FLOOR FINISH	WALL BASE	WALL FINISH	CEILING TYPE	NOTES
VESTIBULE	326	CT	RWB	PAINT	NTB	
WAITING ROOM	327	CT	RWB	PAINT	METB	
QUIET ROOM	328	CT	RWB	PAINT	NTB	
QUIET ROOM	329	RT	RWB	PAINT	NTB	
SHARED EQUIPMENT	330	RT	RWB	PAINT	METB	
RECEPTION	331	CT	RWB	PAINT	METB	
OFFICE	332	CT	RWB	PAINT	NTB	
OFFICE	333	CT	RWB	PAINT	NTB	
OFFICE	334	CT	RWB	PAINT	NTB	
OFFICE	335	CT	RWB	PAINT	NTB	
OFFICE	337	CT	RWB	PAINT	NTB	
OPEN MEETING AREA	336	CT	RWB	PAINT	METB	
VESTIBULE	337	CT	RWB	PAINT	NTB	
PRINT STATION	338	CT	RWB	PAINT	METB	
OPEN MEETING AREA	339	CT	RWB	PAINT	METB	
OPEN COLLABORATION AREA (OBC)	340	CT	RWB	PAINT	METB	
QUIET ROOM	341	CT	RWB	PAINT	NTB	
KITCHENETTE	342	RT	RWB	PAINT	METB	
OPEN COLLABORATION AREA (OBC)	343	CT	RWB	PAINT	METB	
OPEN COLLABORATION AREA (OBC)	344	CT	RWB	PAINT	METB	
VESTIBULE	345	CT	RWB	PAINT	NTB	
SHARED EQUIPMENT ROOM	346	RT	RWB	PAINT	METB	
OPEN COLLABORATION AREA (OBC)	347	CT	RWB	PAINT	METB	
SMALL MEETING ROOM	348	CT	RWB	PAINT	NTB	
MEDIUM MEETING ROOM	349	CT	RWB	PAINT	NTB	

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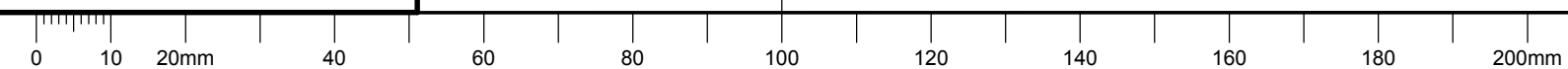


project
M-55, PART THIRD FLOOR RENOVATION.
M-60 ITS MOVE TO M-55

MONTREAL ROAD CAMPUS
 drawing FINISHES FLOOR PLAN

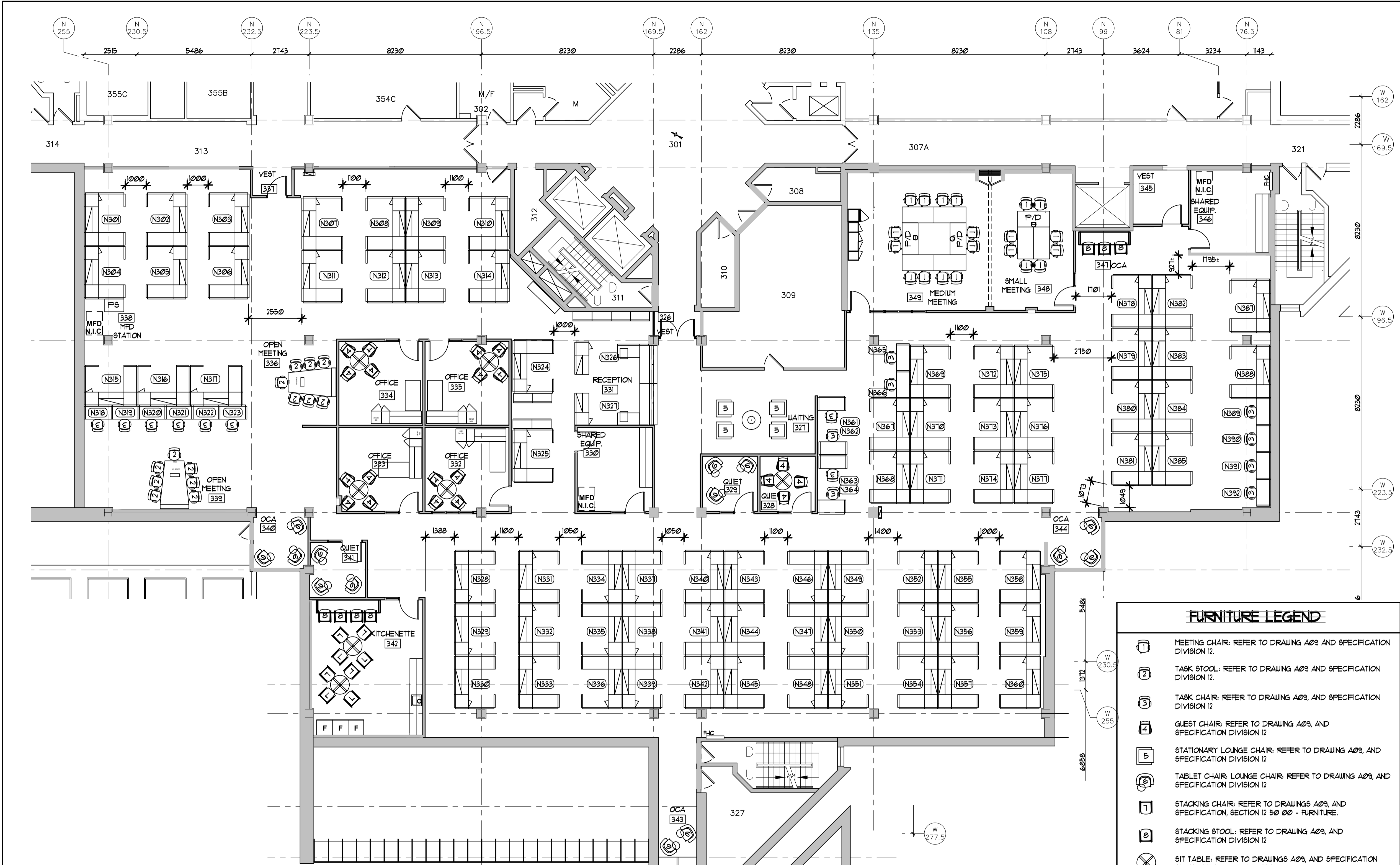
designed	conçu	date	date
SWH		FEB. 2016	
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approved	approuvé	W.O.no.	D.T.no.
BV			

dwg.no. 5130 - A08 dessin no.



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FURNITURE FLOOR PLAN
 SCALE = 1:100

WORKSTATION LEGEND

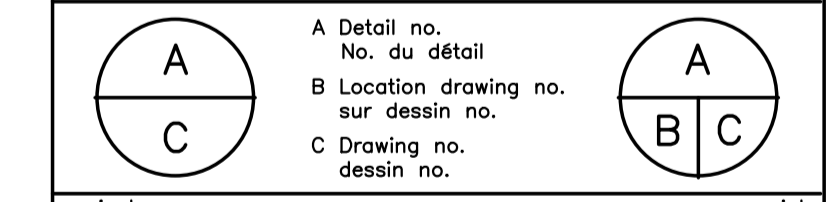
- TYPICAL WORKSTATION: REFER TO DRAWINGS A09, A10 AND SPECIFICATION DIVISION 12.
- TYPICAL PRIVATE OFFICE WORKSTATION: REFER TO DRAWINGS A09, A10 AND SPECIFICATION DIVISION 12.
- TYPICAL HOTELING STATION: REFER TO DRAWINGS A09, A10 AND SPECIFICATION DIVISION 12.

FURNITURE LEGEND

- MEETING CHAIR: REFER TO DRAWING A09 AND SPECIFICATION DIVISION 12.
- TASK STOOL: REFER TO DRAWING A09 AND SPECIFICATION DIVISION 12.
- TASK CHAIR: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.
- GUEST CHAIR: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.
- STATIONARY LOUNGE CHAIR: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.
- TABLET CHAIR: LOUNGE CHAIR: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.
- STACKING CHAIR: REFER TO DRAWINGS A09, AND SPECIFICATION, SECTION 12 50 00 - FURNITURE.
- STACKING STOOL: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.
- SIT TABLE: REFER TO DRAWINGS A09, AND SPECIFICATION SECTION 12 50 00 - FURNITURE.
- MEETING TABLE WITH POWER & DATA MODULE: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.
- MEETING TABLE: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.
- IT EQUIPMENT TOWER: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.
- BOOKCASE CREDENZA: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.
- OPEN MEETING TABLE: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.
- PAPER STORAGE CABINET: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.
- COFFEE TABLE: REFER TO DRAWING A09 AND SPECIFICATION DIVISION 12.
- BAR HEIGHT TABLE: REFER TO DRAWING A09, AND SPECIFICATION DIVISION 12.

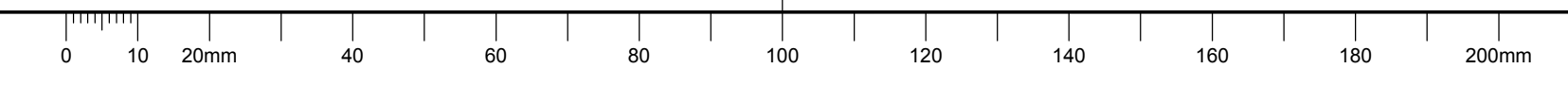
No.	Date	Revision	By:
1	11 FEB 2016	ISSUED FOR TENDER	SWH

- 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



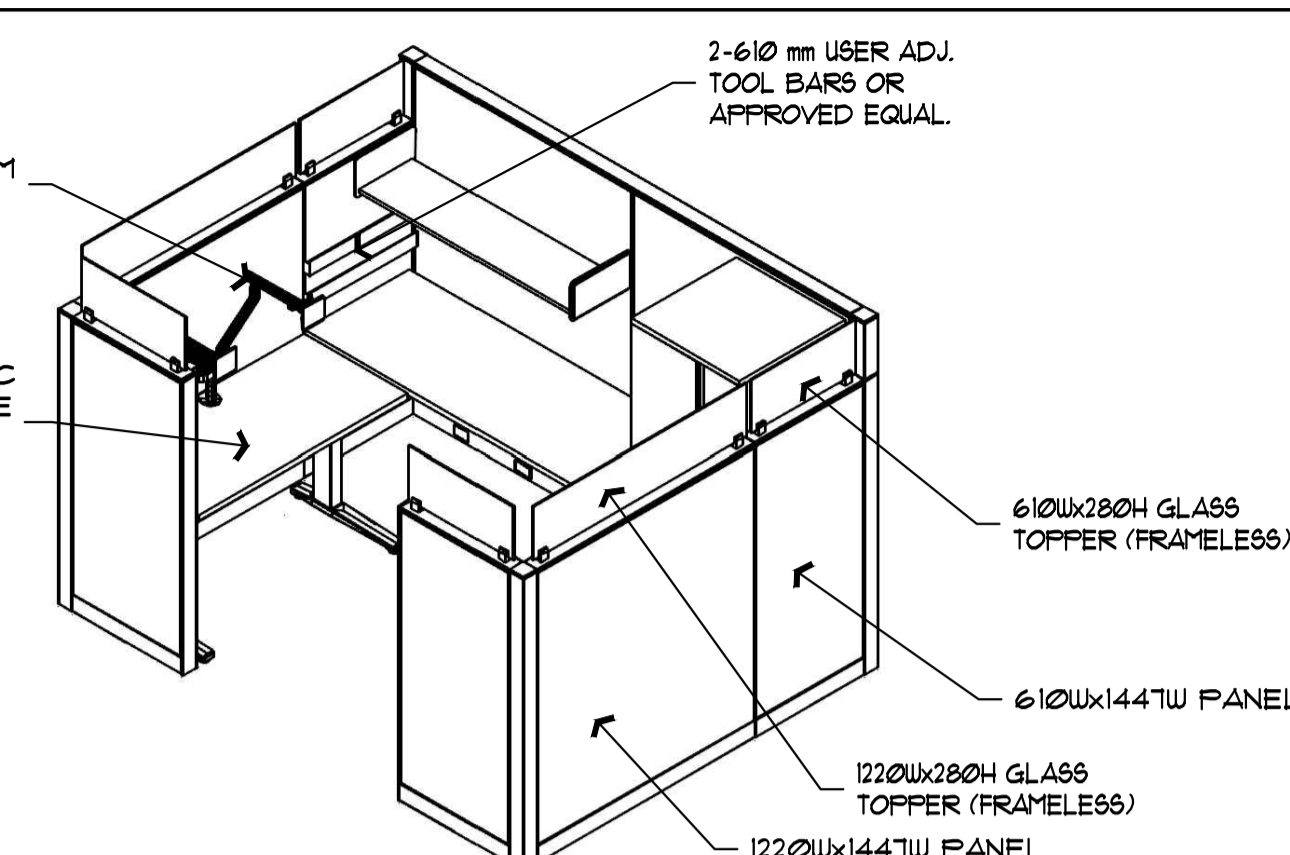
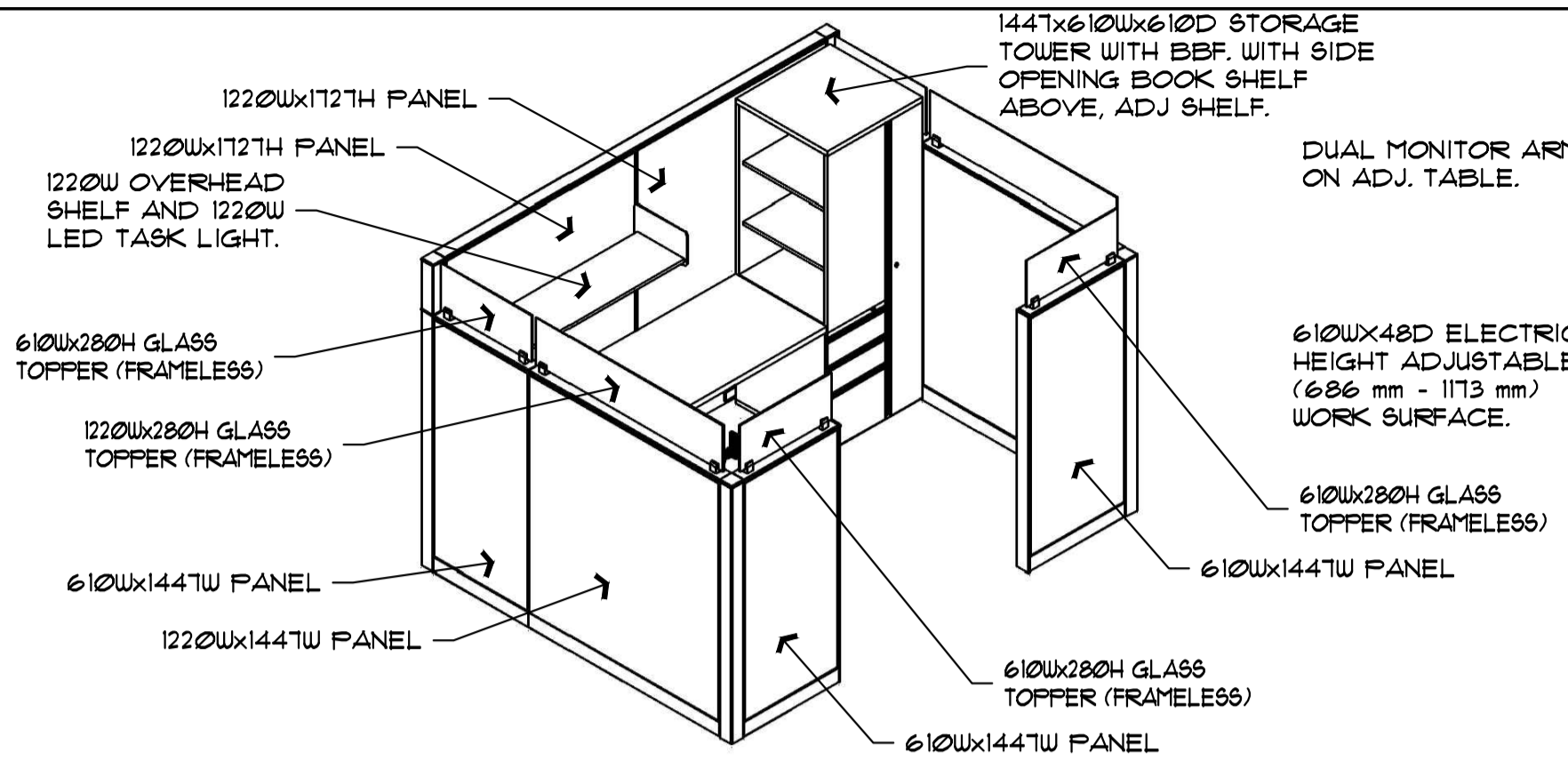
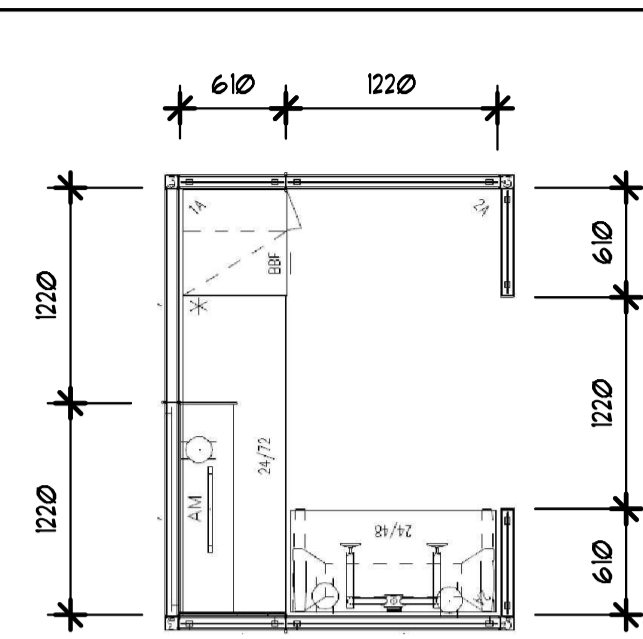
project
M-55, PART THIRD FLOOR RENOVATION.
M-60 ITS MOVE TO M-55
 MONTREAL ROAD CAMPUS
 drawing
FURNITURE PLAN

designed	conçu	date	FEB. 2016	échéelle
drawn	dessiné	scale	AS NOTED	feuille
checked	vérifié	sheet	10 of/de 11	D.T.no.
approved	approuvé	W.O.no.		dwg.no.



GENERAL NOTES

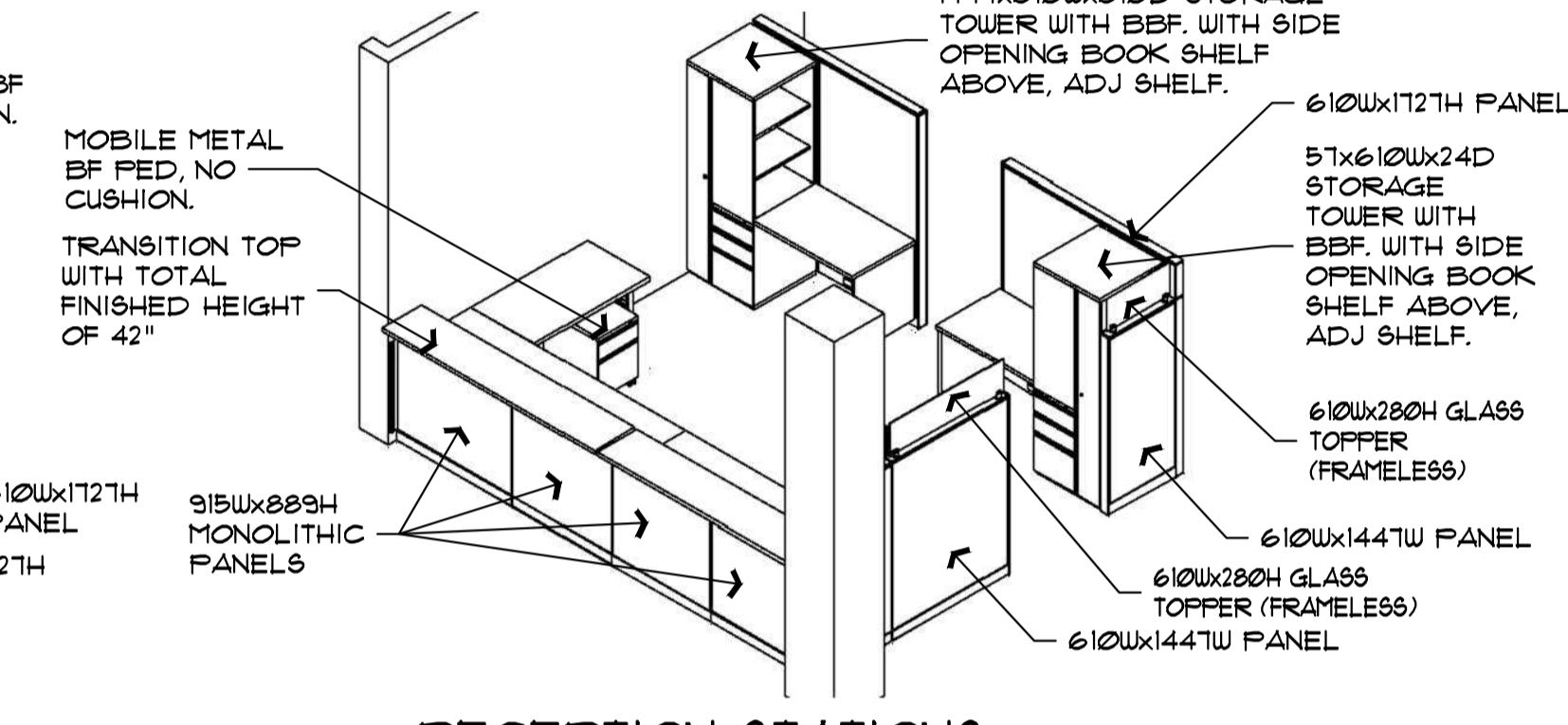
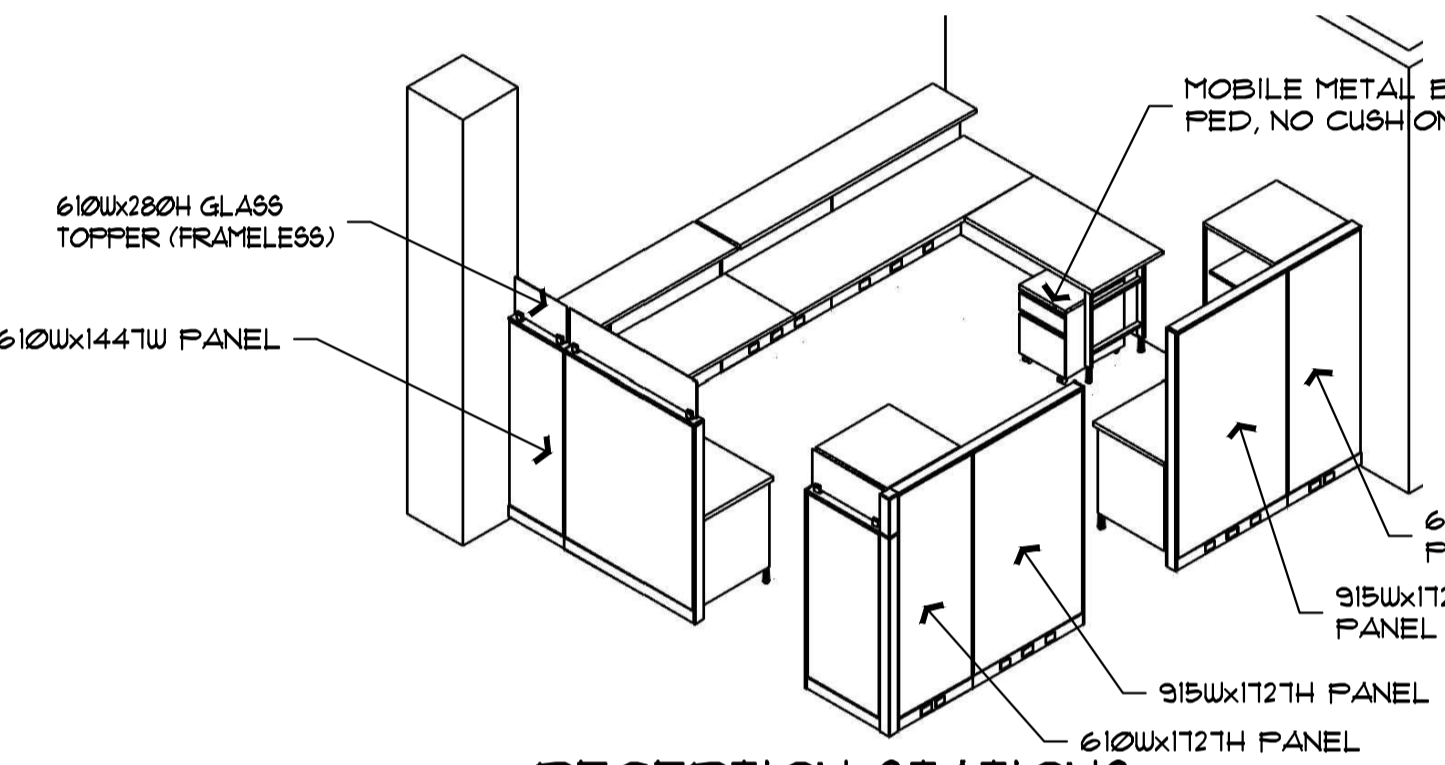
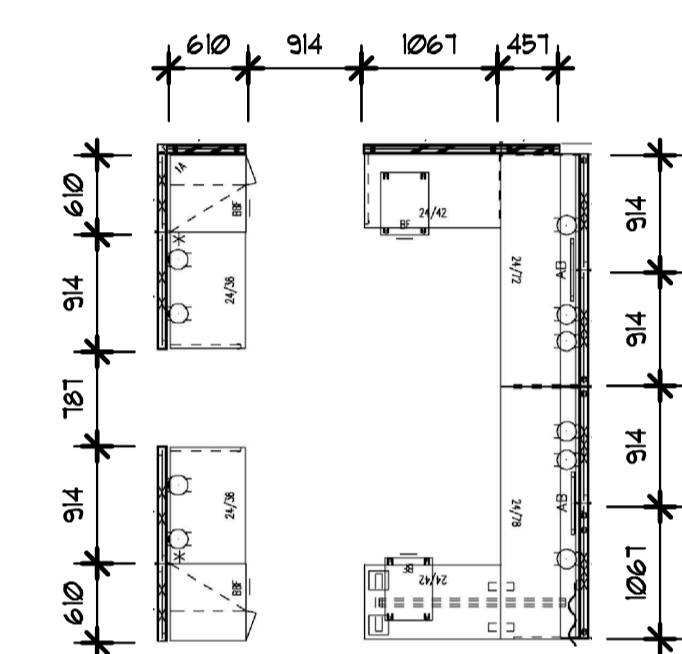
- A. PRIOR TO COMMENCEMENT OF WORK, NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES NOTED IN THE CONTRACT DOCUMENTS.
- B. ALL GRID TO GRID DIMENSIONS ARE PLUS/MINUS. PRIOR TO COMMENCEMENT OF WORK REVIEW SITE CONDITIONS AND VERIFY ALL DIMENSIONS. REPORT ANY ERRORS OR OMISSIONS TO DEPARTMENTAL REPRESENTATIVE.
- C. CONTRACTORS MUST VISIT THE SITE & FULLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE WORK.
- D. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- E. PREVENT THE SPREAD OF DUST & DEBRIS BEYOND THE WORK AREA AND CLEAN ALL SURFACES AT COMPLETION.
- F. ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE.
- G. COORDINATE ALL SHUTDOWNS WITH THE DEPARTMENTAL REPRESENTATIVE.
- H. SEAL OPENINGS WHERE CABLES, CONDUITS AND PIPES PASS THROUGH WALLS WITH AN ACOUSTIC SEALANT CONFORMING TO CAN/CG9B-19.21-M87.
- J. 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/CG9B-19.13-M87 AND NEC 3.1.1.



1
A10
TYPICAL WORKSTATION PLAN
SCALE = NTS

2
A10
TYPICAL WORKSTATION ISOMETRIC
SCALE = NTS

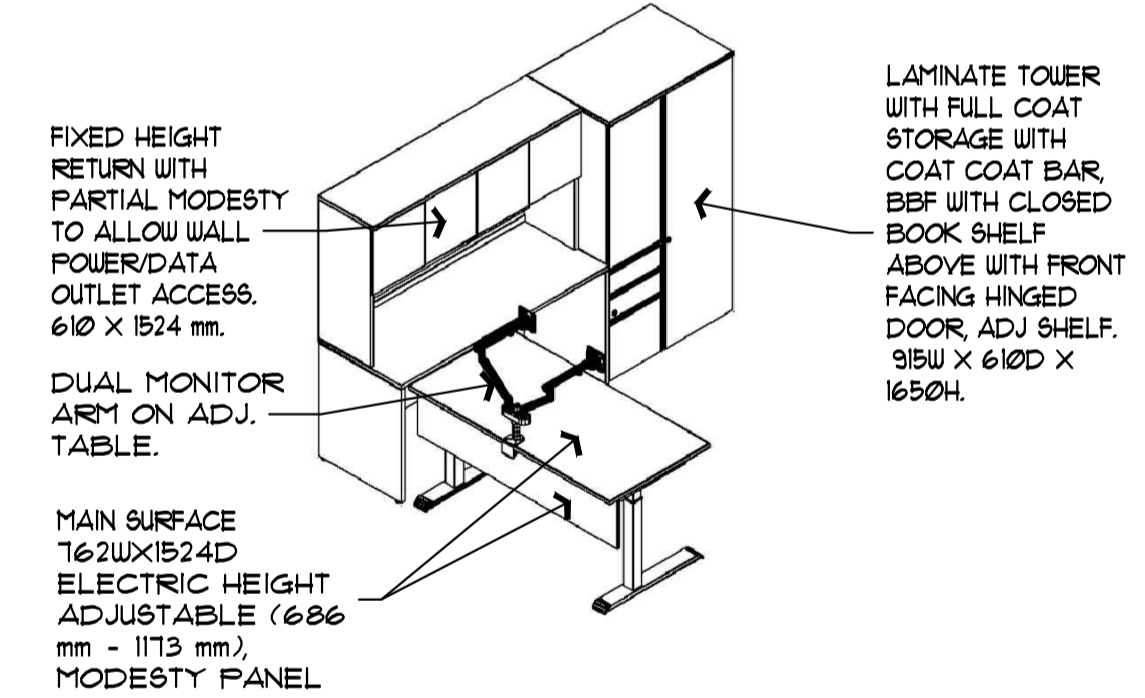
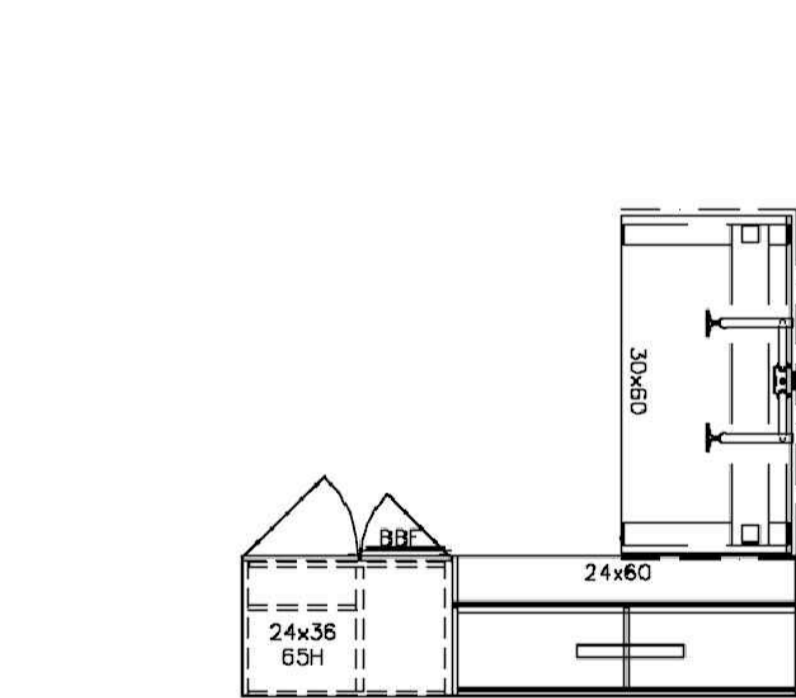
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TYPICAL WORKSTATION ISOMETRIC
SCALE = NTS



4
A10
RECEPTION STATIONS N336 & N337 PLAN
SCALE = NTS

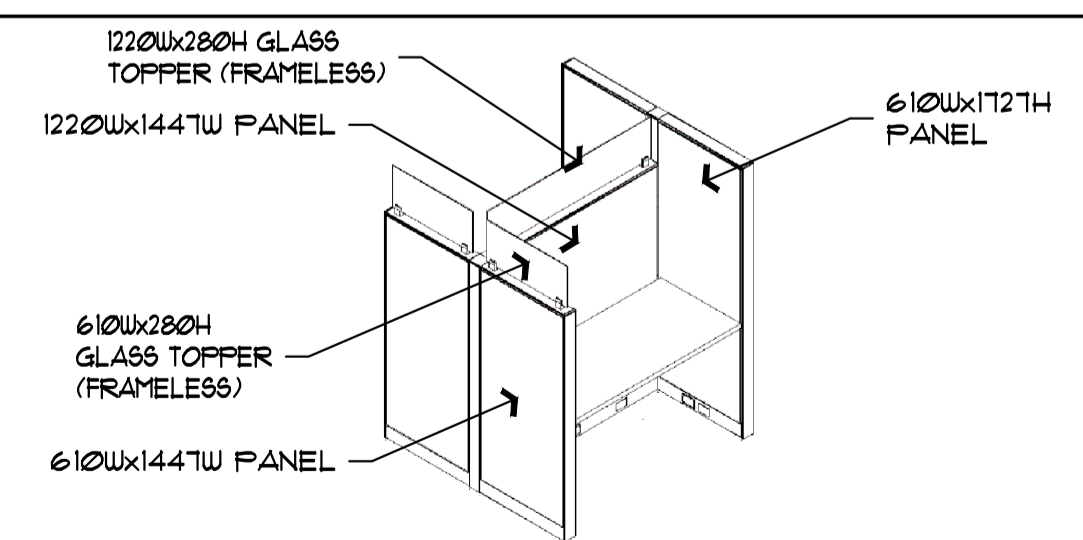
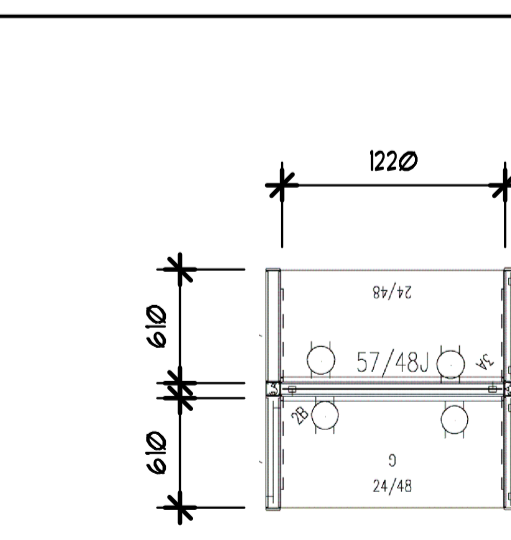
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RECEPTION STATIONS N336 & N337 ISOMETRIC
SCALE = NTS

6
A10
RECEPTION STATIONS N336 & N337 ISOMETRIC
SCALE = NTS



7
A10
PRIVATE OFFICE WORKSTATION: 332, 333, 334, 335 PLAN
SCALE = NTS

8
A10
PRIVATE OFFICE WORKSTATION: 332, 333, 334, 335 ISOMETRIC
SCALE = NTS



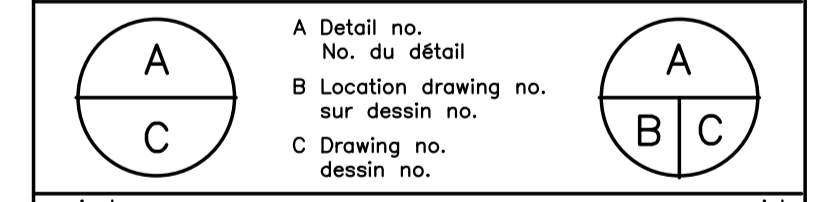
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HOTELING STATION PLAN
SCALE = NTS

11
A10
HOTELING STATIONS ISOMETRIC
SCALE = NTS

1	11 FEB 2016	ISSUED FOR TENDER	SWH
No.	Date	Revision	By: Part

Date Printed: 11 FEB 2016 Date imprimée:

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project: **M-55, PART THIRD FLOOR RENOVATION. M-60 ITS MOVE TO M-55** project

designing: **MONTREAL ROAD CAMPUS** dessin

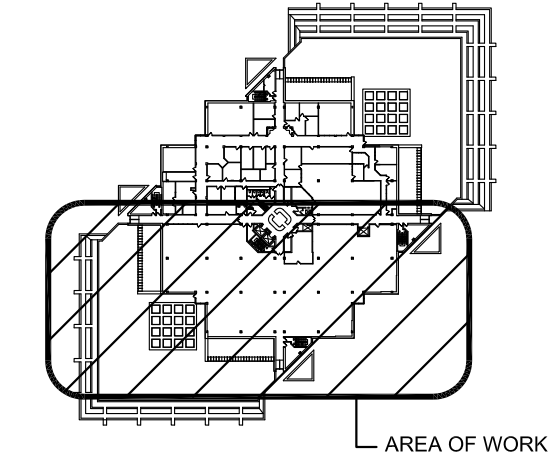
drawing: **PANEL HUNG FURNITURE AND FURNITURE DETAILS** dessin

designed	conçu	date	date
SWH		FEB. 2016	
drawn	dessiné	scale	échelle
SWH		AS NOTED	
checked	vérifié	sheet	feuille
CE		11 of/de 11	
approved	approuvé	W.O.no.	D.T.no.
BV			
dwg.no.			dessin no.
5130 - A10			

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.

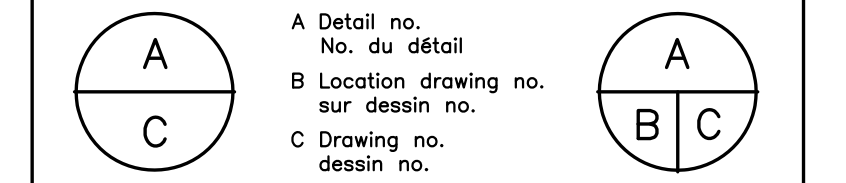
KEY PLAN



No.	Date	Revision	By: Par:
1	17 02 2016	ISSUED FOR TENDER	ALS

Date Printed 17 02 2016 Date imprimée

- Verify all dimensions and site conditions and be responsible for same
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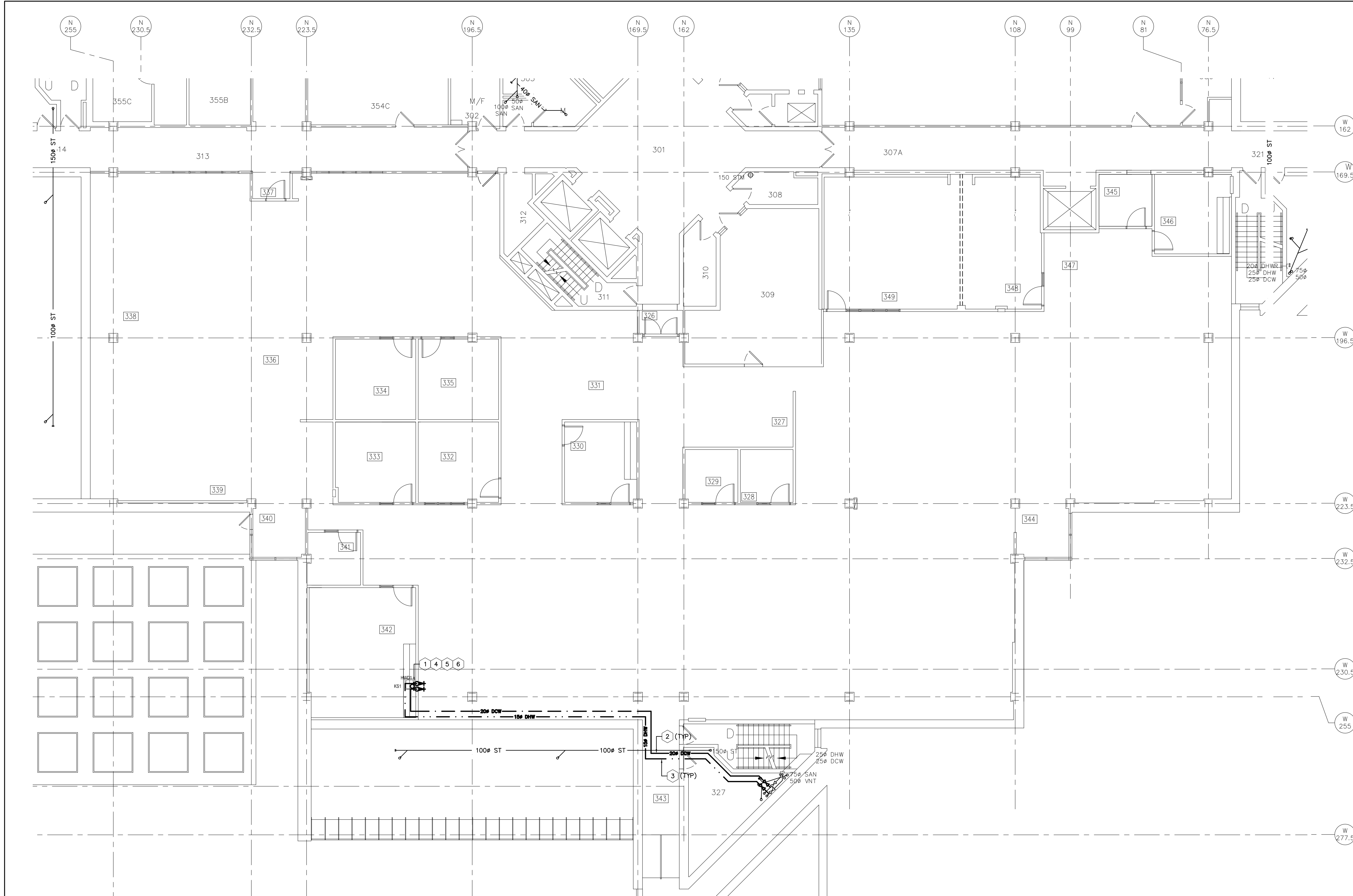
project **M-55 PART THIRD FLOOR RENOVATION** project
M-60 ITS MOVE TO M-55

MONTREAL ROAD CAMPUS

drawing **CONSTRUCTION PLAN** dessin
MECHANICAL - PART 3RD FLOOR
PLUMBING

designed	ALS	conçu	date	NOV. 2015	date
drawn	ALS	dessiné	scale	AS SHOWN	échelle
checked	RGC	vérifié	sheet	M01 of/de M08	feuille
approved	DBL	approuvé	W.O.no.	A1-006431-01	D.T.no.

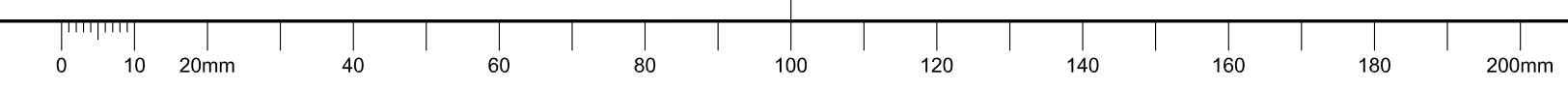
dwg.no. **5130-M01** dessin no.



1 PART FLOOR PLAN - 3RD FLOOR PLUMBING - NEW WORK
 M01 SCALE = 1:100

CONSTRUCTION NOTES:

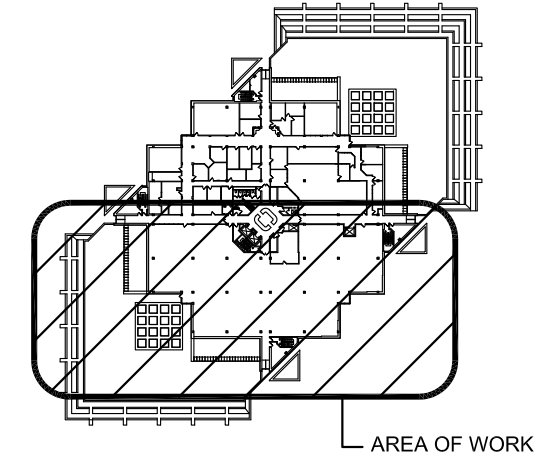
- PROVIDE NEW SINGLE COMPARTMENT STAINLESS STEEL SINK KS1. REFER TO SPECIFICATIONS FOR DETAILS.
- EXTEND 200 DOMESTIC COLD WATER CONNECTION FROM MECHANICAL SPACE TO SERVE NEW KITCHEN SINK KS1 C/W ISOLATION VALVES AT BRANCH AND SINK CONNECTIONS. DOMESTIC COLD WATER PIPING SHALL BE INSULATED IN ACCORDANCE WITH SPECIFICATIONS AND C/W UNDER SINK BARRIER FREE PROTECTORS.
- EXTEND 150 DOMESTIC HOT WATER CONNECTION FROM MECHANICAL SPACE TO SERVE NEW KITCHEN SINK KS1 C/W ISOLATION VALVES AT BRANCH AND SINK CONNECTIONS. DOMESTIC HOT WATER PIPING SHALL BE INSULATED IN ACCORDANCE WITH SPECIFICATIONS AND C/W UNDER SINK BARRIER FREE PROTECTORS.
- PROVIDE NEW INSTANT HOT WATER DISPENSER HWD1 C/W FILTRATION SYSTEM AND ALL REQUIRED PIPING AND ELECTRICAL CONNECTIONS. COORDINATE WITH DIV 26 FOR ELECTRICAL CONNECTION. COORDINATE LOCATION OF HWD1 ON SITE WITH DEPARTMENTAL REPRESENTATIVE TO ENSURE BARRIER FREE ACCESS TO KS1 IS NOT COMPROMISED.
- PROVIDE NEW NEW 150 DOMESTIC COLD WATER CONNECTION C/W ISOLATION VALVE BENEATH KITCHEN SINK KS1 AND CAP FOR FUTURE COFFEE MACHINE CONNECTION.
- PROVIDE NEW 400 SANITARY DRAINAGE CONNECTION FROM KITCHEN SINK KS1 THROUGH FLOOR AND CONNECT TO EXISTING SANITARY DRAINAGE AND VENT PIPING IN ROOM 2630 BELOW.



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.

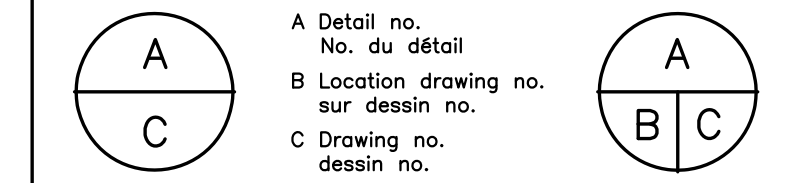
KEY PLAN



No.	Date	Revision	By: Par:
1	17 02 2016	ISSUED FOR TENDER	ALS

Date Printed 17 02 2016 Date imprimée

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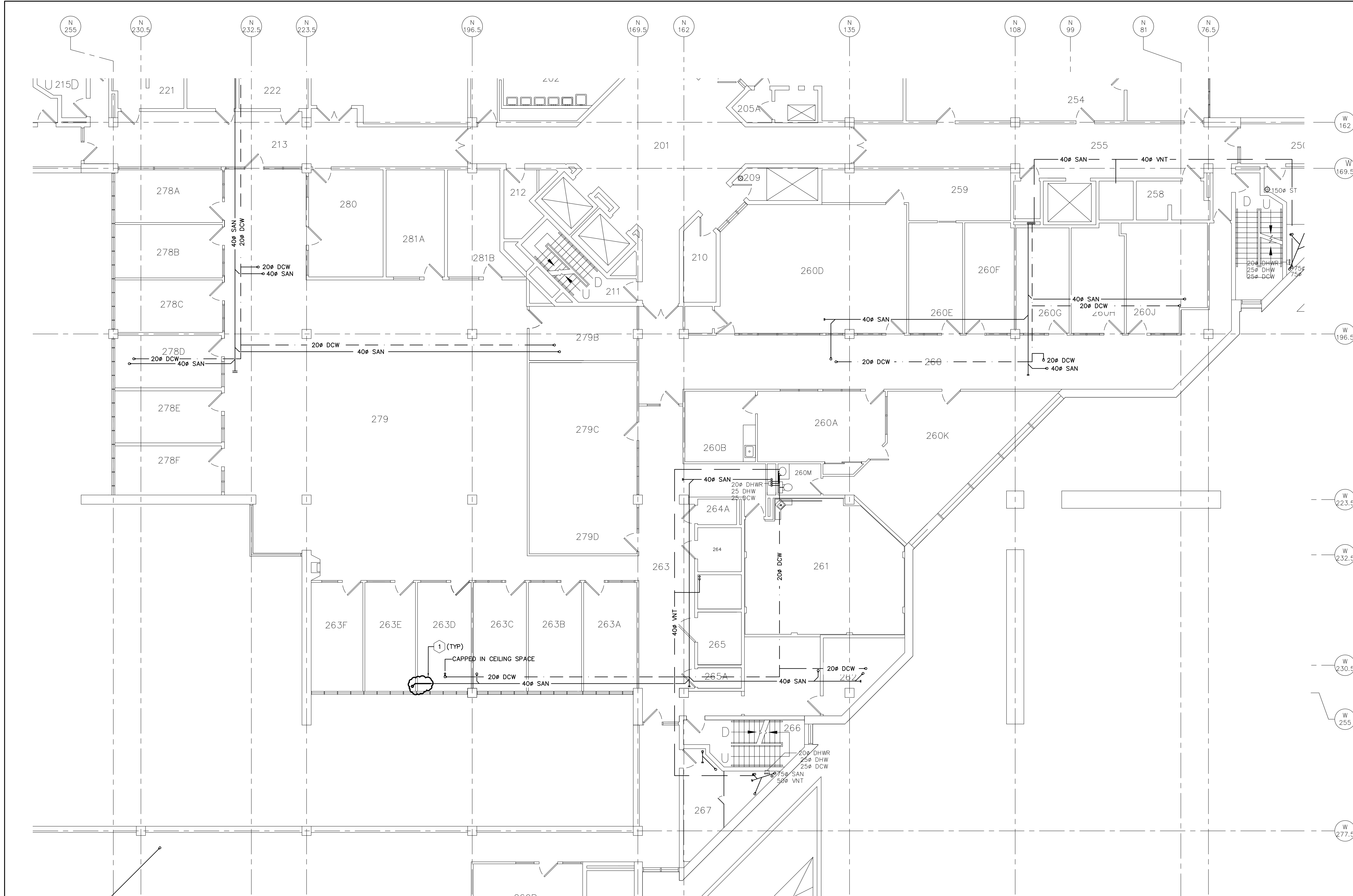
project **M-55 PART THIRD FLOOR RENOVATION**
M-60 ITS MOVE TO M-55

MONTREAL ROAD CAMPUS

drawing **CONSTRUCTION PLAN**
MECHANICAL - PART 2ND FLOOR
PLUMBING

designed	conçu	date	date
ALS		NOV. 2015	
drawn	dessiné	scale	échelle
ALS		AS SHOWN	
checked	vérifié	sheet	feuille
RGC		M02 of/de M08	
approved	approuvé	W.O.no.	D.T.no.
DBL		A1-006431-01	

dwg.no. **5130-M02** dessin no.



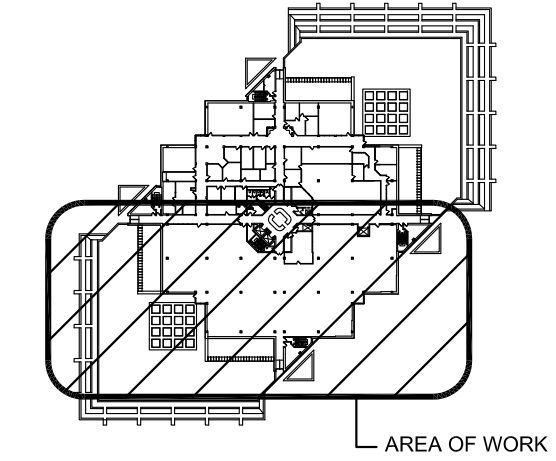
1 PART FLOOR PLAN - 2ND FLOOR PLUMBING - NEW WORK
 M02 SCALE = 1:100

CONSTRUCTION NOTES:
 1. PROVIDE NEW 400 SANITARY DRAINAGE CONNECTION FROM NEW KITCHEN SINK KS1 ABOVE. CONNECT TO EXISTING SANITARY AND VENT PIPING IN ROOM 263D.

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.

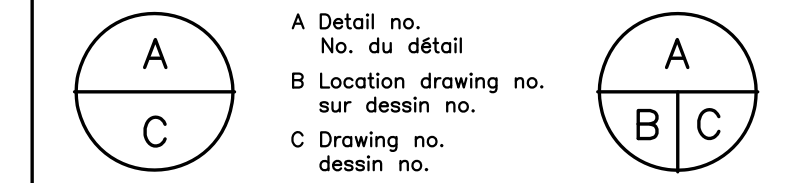
KEY PLAN



No.	Date	Revision	By: Par:
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Date Printed 17 02 2016 Date imprimée

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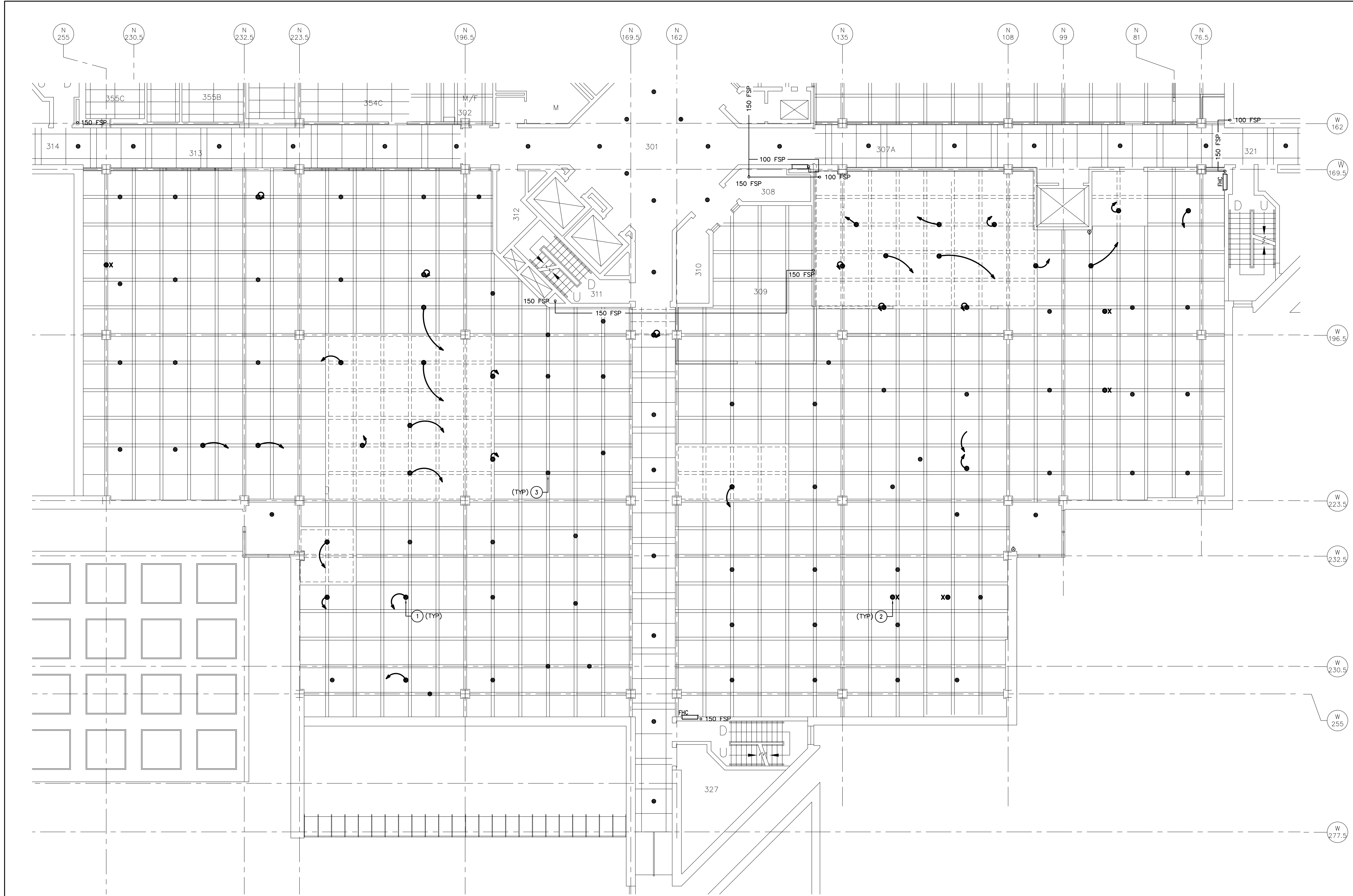
project
M-55 PART THIRD FLOOR RENOVATION
M-60 ITS MOVE TO M-55

MONTREAL ROAD CAMPUS

drawing
DEMOLITION PLAN
MECHANICAL - PART 3RD FLOOR
FIRE PROTECTION

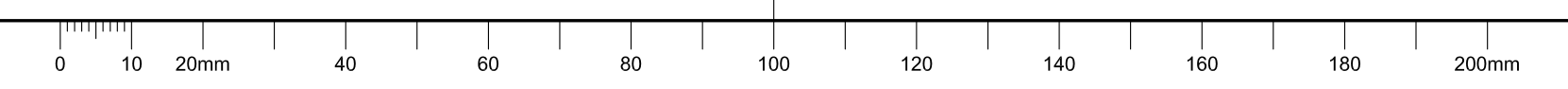
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drawn	ALS	dessiné	scale	AS SHOWN	échelle
checked	RGC	vérifié	sheet	M03 of/de M08	feuille
approved	DBL	approuvé	W.O.no.	A1-006431-01	D.T.no.

dwg.no. **5130-M03** dessin no.



1 PART FLOOR PLAN - 3RD FLOOR FIRE PROTECTION - DEMOLITION
 M03 SCALE = 1:100

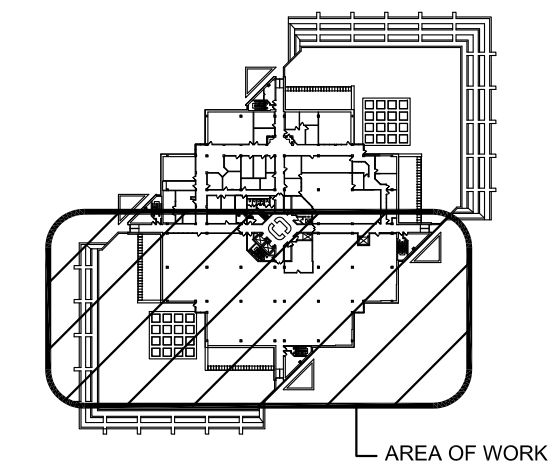
- DEMOLITION NOTES:**
- EXISTING PENDANT TYPE SPRINKLER HEAD TO BE RELOCATED C/W SPRINKLER ESCUTCHEON (TYPICAL).
 - EXISTING SPRINKLER HEAD TO BE REMOVED AND SPRINKLER PIPING BRANCH CONNECTION CAPPED.
 - EXISTING SPRINKLER ESCUTCHEON TO BE REMOVED AS NECESSARY TO FACILITY CEILING REMOVAL. RETAIN EXISTING SPRINKLER ESCUTCHEON FOR RE-INSTALLATION IN NEW CEILING (TYPICAL).



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.

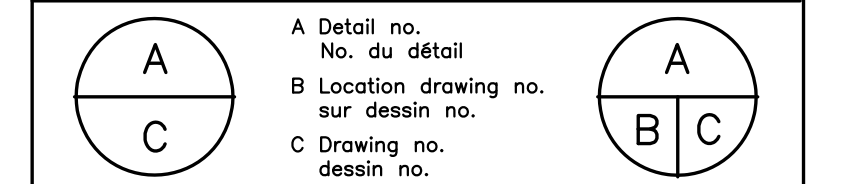
KEY PLAN



No.	Date	Revision	By: Par:
1	17 02 2016	ISSUED FOR TENDER	ALS

Date Printed 17 02 2016 Date imprimée

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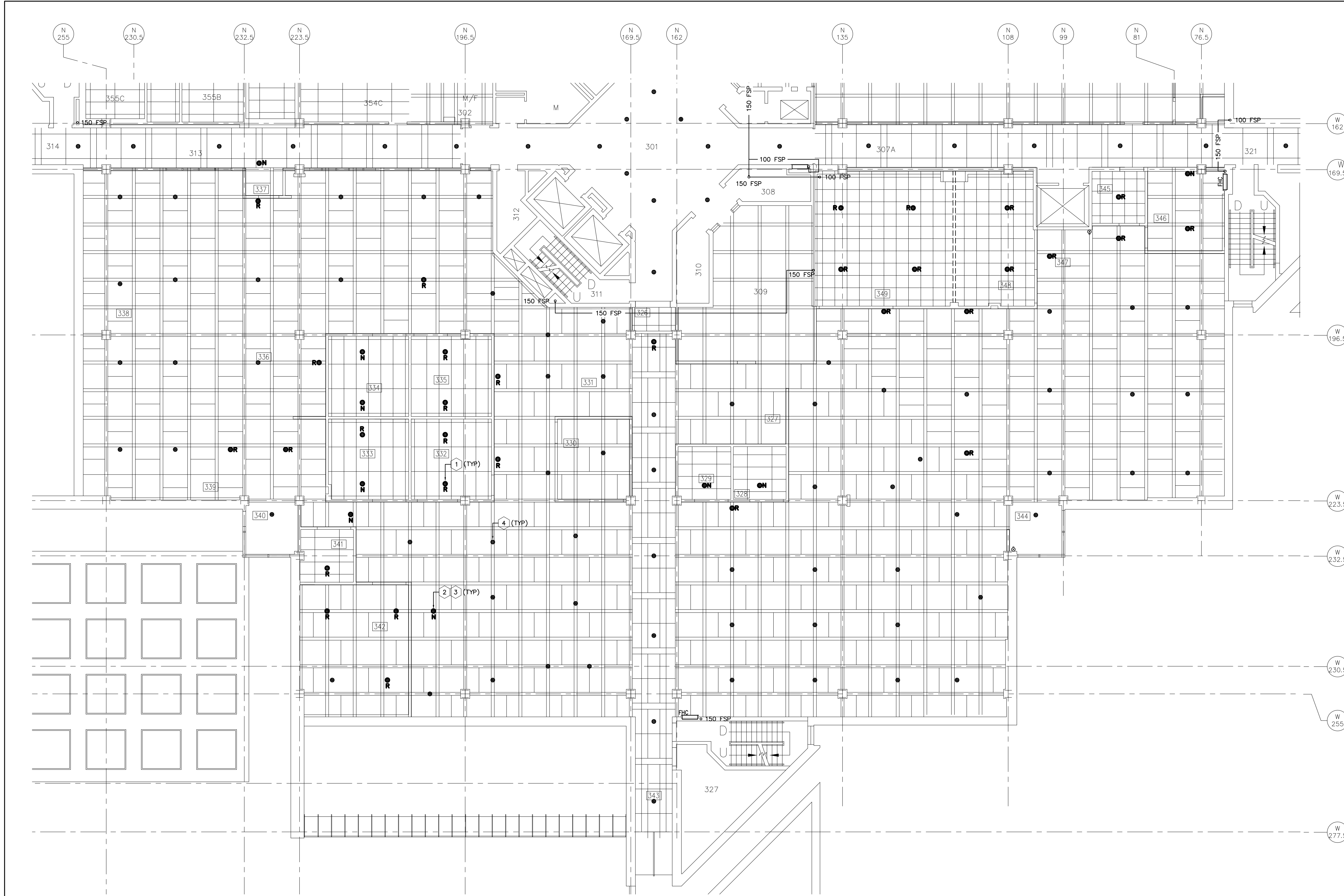
project **M-55 PART THIRD FLOOR RENOVATION** projet
M-60 ITS MOVE TO M-55

MONTREAL ROAD CAMPUS

drawing **CONSTRUCTION PLAN** dessin
MECHANICAL - PART 3RD FLOOR
FIRE PROTECTION

designed ALS	conçu ALS	date NOV. 2015	date
drawn ALS	dessiné ALS	scale AS SHOWN	échelle
checked RGC	vérifié RGC	sheet M04 of/de M08	feuille
approved DBL	approuvé DBL	W.O.no. A1-006431-01	D.T.no.

dwg.no. **5130-M04** dessin no.



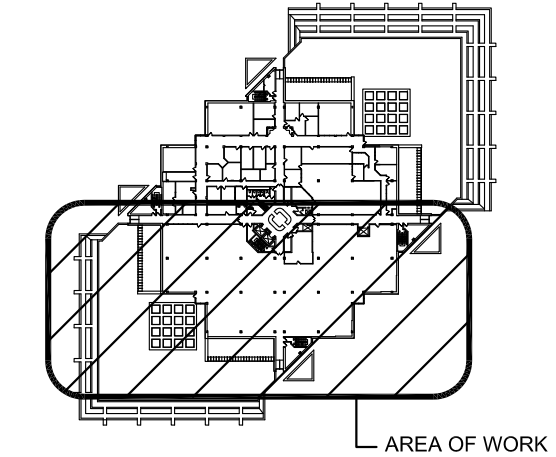
1 PART FLOOR PLAN - 3RD FLOOR FIRE PROTECTION - NEW WORK
 M04 SCALE = 1:100

- CONSTRUCTION NOTES:**
- EXTEND EXISTING SPRINKLER PIPING TO SERVE RELOCATED PENDANT TYPE SPRINKLER HEAD LOCATION C/W SPRINKLER ESCUTCHEON (TYPICAL).
 - PROVIDE NEW PENDANT TYPE SPRINKLER HEAD (TYPICAL). REFER TO SPECIFICATIONS FOR DETAILS.
 - PROVIDE NEW SPRINKLER PIPING FROM CLOSEST MAIN BRANCH CONNECTION TO SERVE NEW PENDANT TYPE SPRINKLER HEAD LOCATION (TYPICAL).
 - RE-INSTALL EXISTING SPRINKLER ESCUTCHEON (TYPICAL).

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.

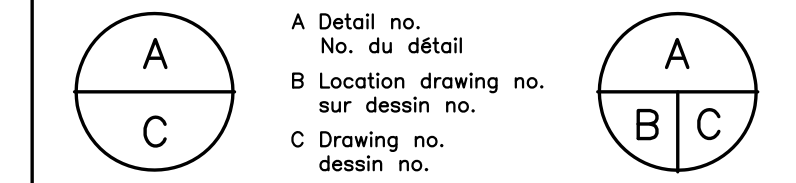
KEY PLAN



No.	Date	Revision	By: Par:
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Date Printed 17 02 2016 Date imprimée

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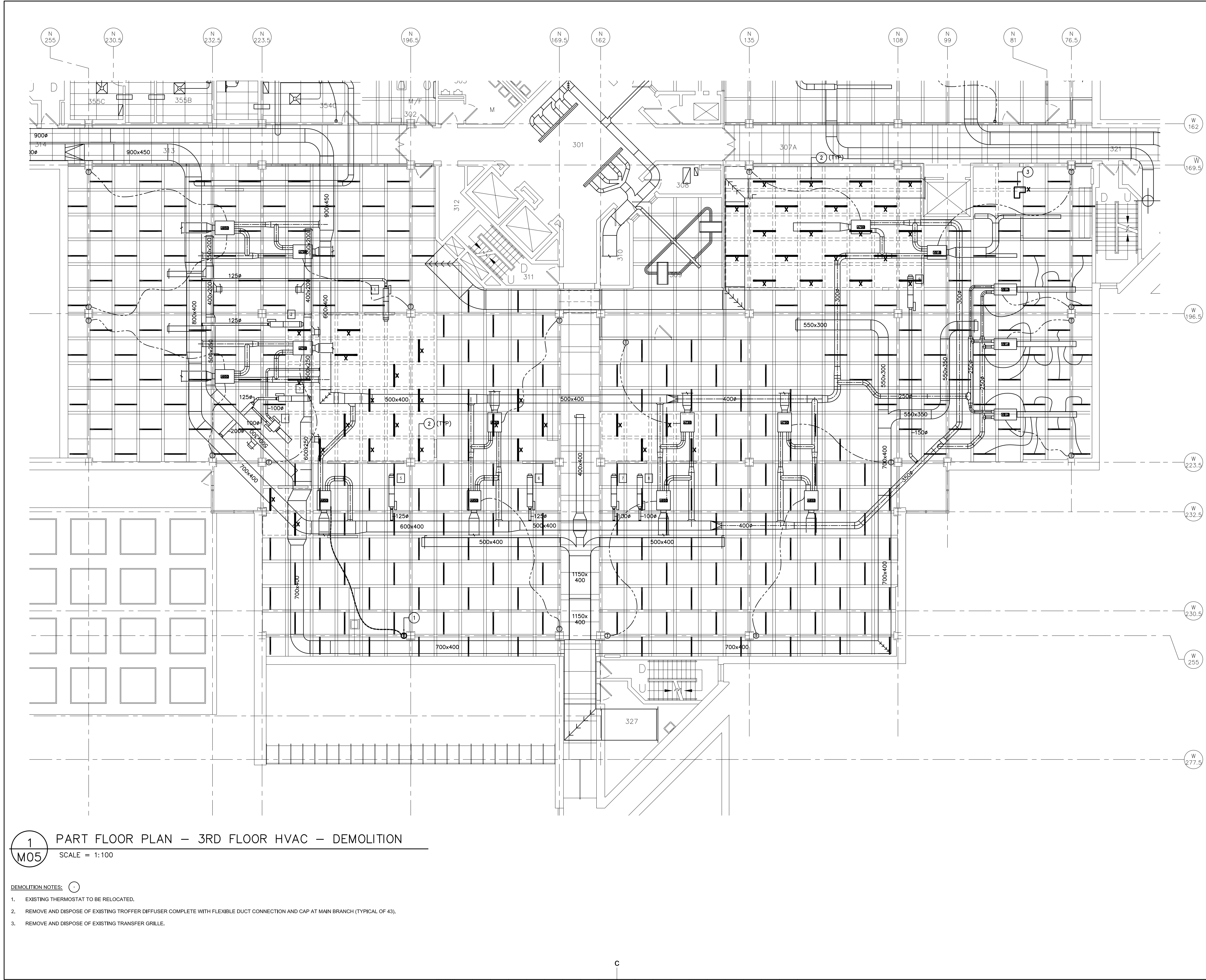


project
M-55 PART THIRD FLOOR RENOVATION
M-60 ITS MOVE TO M-55
 MONTREAL ROAD CAMPUS

drawing
DEMOLITION PLAN
MECHANICAL - PART 3RD FLOOR
HVAC

designed	ALS	conçu	date	NOV. 2015	date
drawn	ALS	dessiné	scale	AS SHOWN	échelle
checked	RGC	vérifié	sheet	M05 of/de M08	feuille
approved	DBL	approuvé	W.O.no.	A1-006431-01	D.T.no.

dwg.no. 5130-M05 dessin no.



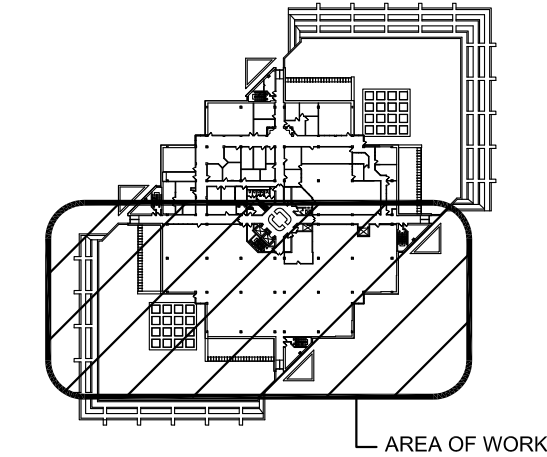
1 PART FLOOR PLAN - 3RD FLOOR HVAC - DEMOLITION
 SCALE = 1:100

- DEMOLITION NOTES:
- EXISTING THERMOSTAT TO BE RELOCATED.
 - REMOVE AND DISPOSE OF EXISTING TROFFER DIFFUSER COMPLETE WITH FLEXIBLE DUCT CONNECTION AND CAP AT MAIN BRANCH (TYPICAL OF 43).
 - REMOVE AND DISPOSE OF EXISTING TRANSFER GRILLE.

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.
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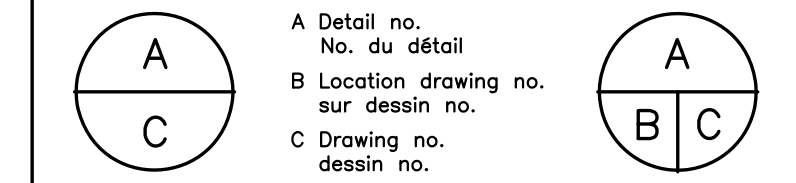
KEY PLAN



No.	Date	Revision	By: Par:
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Date Printed 17 02 2016 Date imprimée

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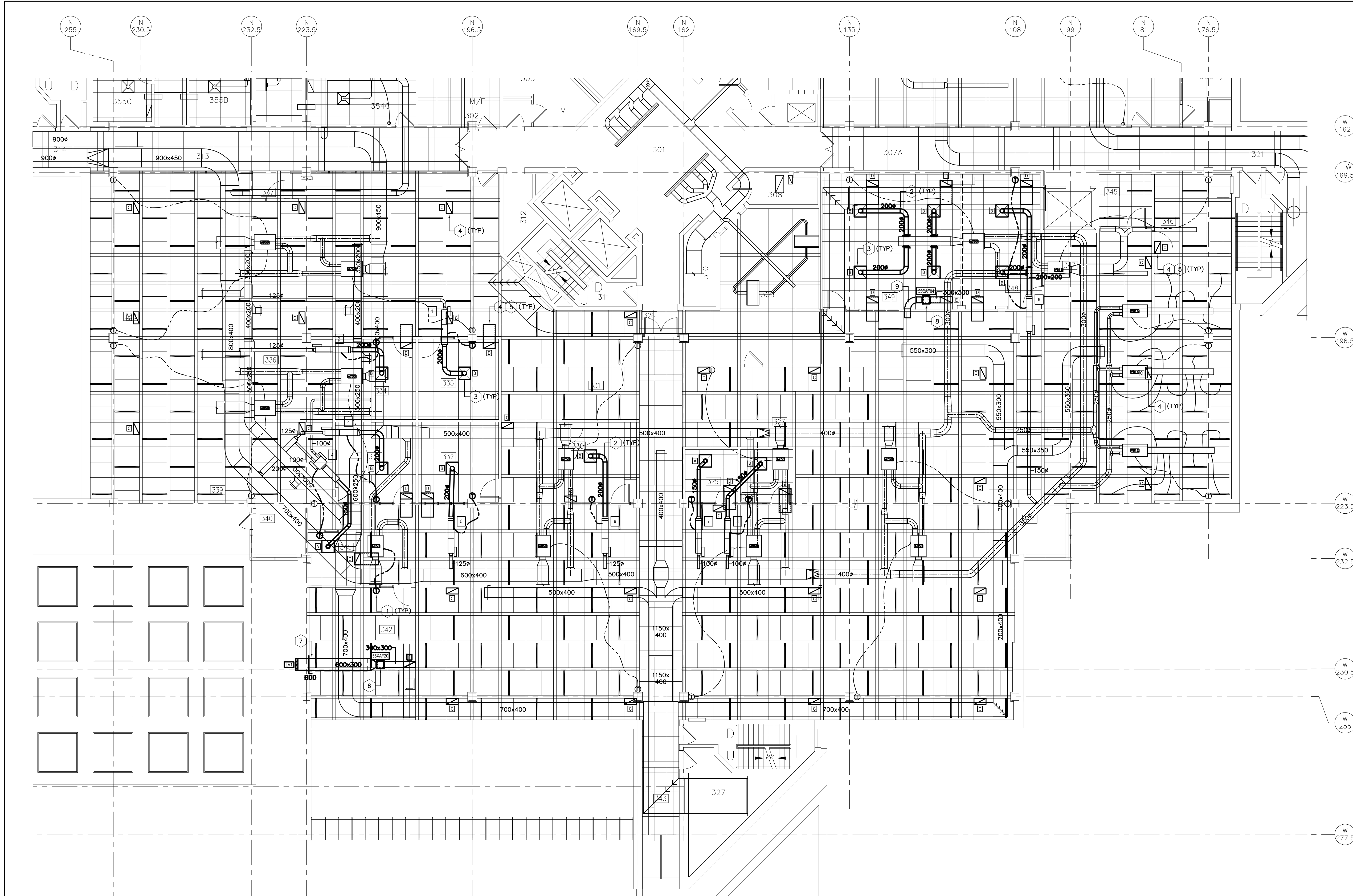


project **M-55 PART THIRD FLOOR RENOVATION** projet
M-60 ITS MOVE TO M-55
 MONTREAL ROAD CAMPUS

drawing **CONSTRUCTION PLAN** dessin
MECHANICAL - PART 3RD FLOOR
HVAC

designed	ALS	conçu	date	NOV. 2015	date
drawn	ALS	dessiné	scale	AS SHOWN	échelle
checked	RGC	vérifié	sheet	M06 of/de M08	feuille
approved	DBL	approuvé	W.O.no.	A1-006431-01	D.T.no.

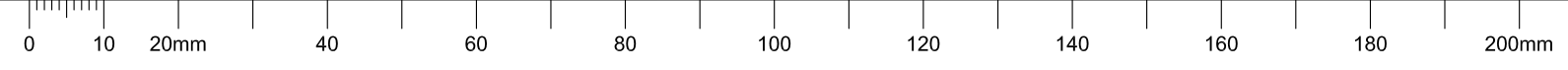
dwg.no. **5130-M06** dessin no.



1 PART FLOOR PLAN - 3RD FLOOR HVAC - NEW WORK
 M06 SCALE = 1:100

- CONSTRUCTION NOTES:**
- RELOCATE EXISTING THERMOSTAT. EXTEND CONTROL WIRING TO SERVICE NEW THERMOSTAT LOCATION (TYPICAL OF 10 LOCATIONS).
 - PROVIDE NEW INSULATED FLEXIBLE SUPPLY AIR DUCTWORK FROM EXISTING TERMINAL BOX TO SERVE NEW SUPPLY DIFFUSER (TYP). REFER TO SPECIFICATION FOR ADDITIONAL DETAILS.
 - PROVIDE NEW SUPPLY DIFFUSERS IN APPROXIMATE LOCATIONS INDICATED. REFER TO SCHEDULE AND SPECIFICATION FOR ADDITIONAL DETAILS. BALANCE FLOWS AS INDICATED ON DWG 5130-M07.
 - PROVIDE NEW RETURN GRILLES IN APPROXIMATE LOCATIONS INDICATED. REFER TO SCHEDULE AND SPECIFICATION FOR ADDITIONAL DETAILS.
 - PROVIDE NEW CROSS TALK SILENCERS IN APPROXIMATE LOCATIONS INDICATED. REFER TO SCHEDULE AND SPECIFICATION FOR ADDITIONAL DETAILS. CROSS TALK SILENCERS TO BE INSTALLED ABOVE RETURN GRILLES.

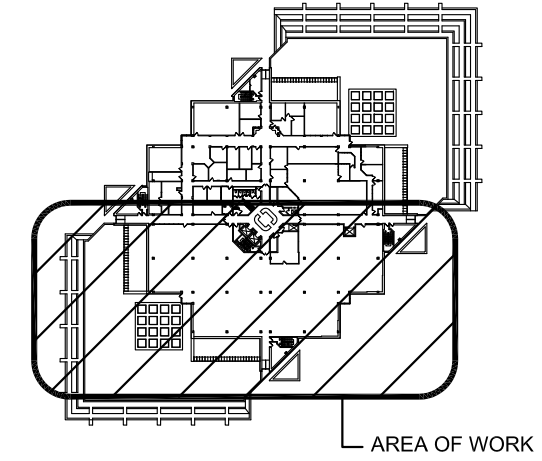
- PROVIDE NEW KITCHENETTE EXHAUST FAN (55XAF20) C/W ACCESSORIES, EXHAUST GRILLE AND EXTERIOR EXHAUST LOUVER. REFER TO SCHEDULE AND SPECIFICATION FOR ADDITIONAL DETAILS. COORDINATE WITH DIV 26 FOR POWER CONNECTION.
- PROVIDE NEW EXHAUST DUCTWORK IN APPROXIMATE LOCATION INDICATED. INSULATE MINIMUM 3m OF EXHAUST DUCTWORK BACK FROM EXTERIOR WALL PENETRATION IN ACCORDANCE WITH SPECIFICATION.
- PROVIDE NEW CONFERENCE ROOM RETURN BOOSTER FAN (55CAF04) C/W ACCESSORIES AND RETURN GRILLE. REFER TO SCHEDULE AND SPECIFICATION FOR ADDITIONAL DETAILS COORDINATE WITH DIV 26 FOR POWER CONNECTION.
- PROVIDE NEW RETURN DUCTWORK IN APPROXIMATE LOCATION INDICATED. ALL CONFERENCE ROOM RETURN DUCTWORK SHALL BE ACOUSTICALLY LINED IN ACCORDANCE WITH SPECIFICATIONS.



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.

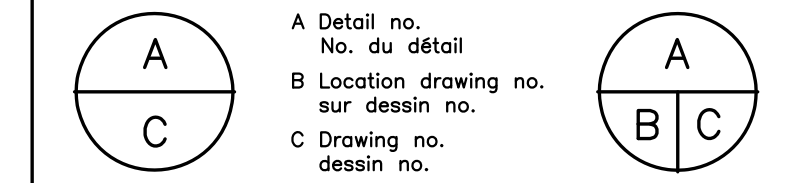
KEY PLAN



No.	Date	Revision	By: Par:
1	17 02 2016	ISSUED FOR TENDER	ALS

Date Printed 17 02 2016 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



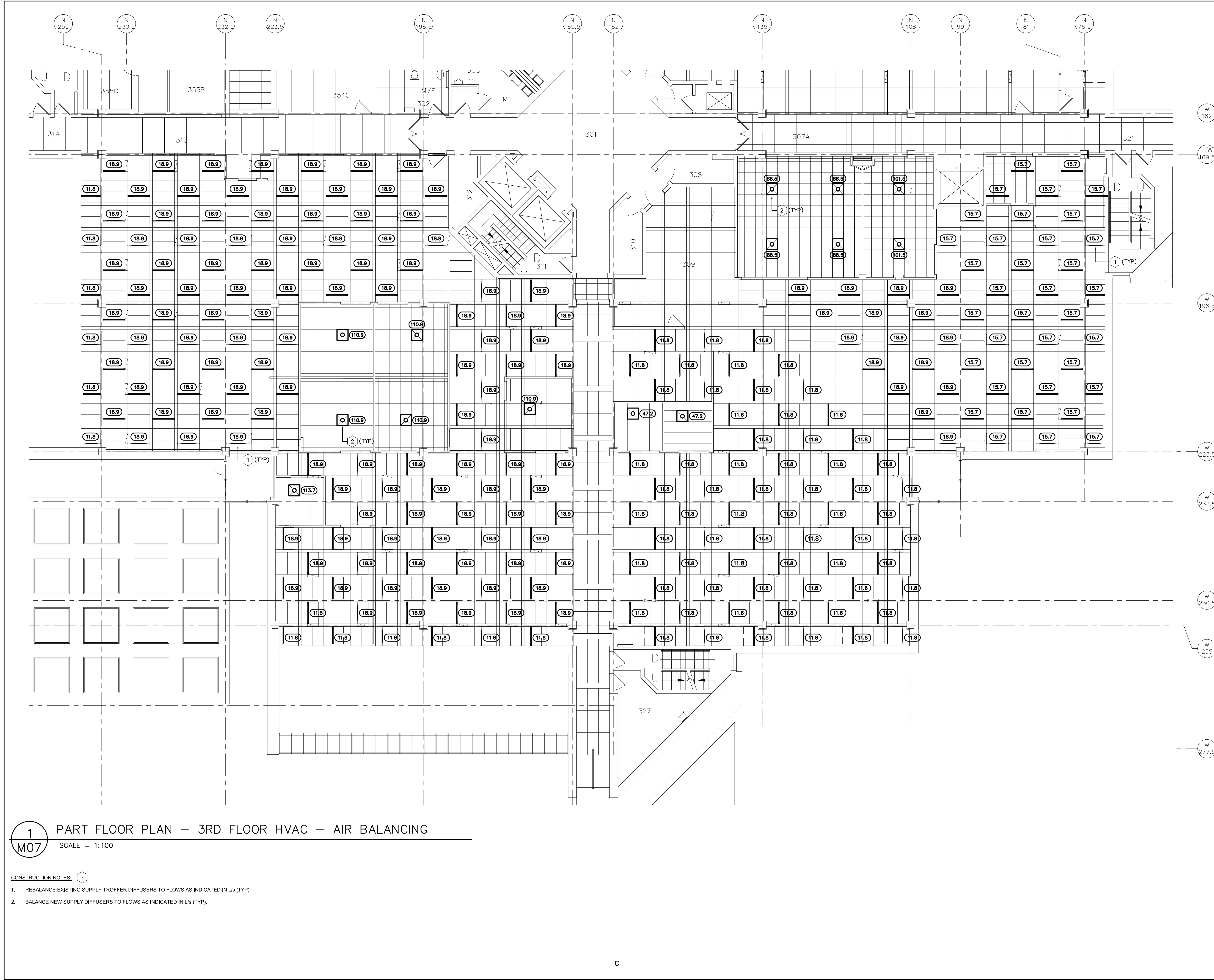
project
**M-55 PART THIRD FLOOR RENOVATION
 M-60 ITS MOVE TO M-55**

MONTREAL ROAD CAMPUS

drawing
**CONSTRUCTION PLAN
 MECHANICAL - PART 3RD FLOOR
 AIR BALANCING**

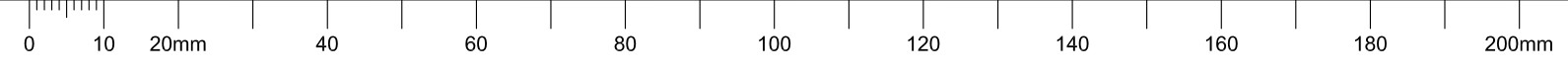
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drawn	ALS	dessiné	scale	AS SHOWN	échelle
checked	RGC	vérifié	sheet	M07 of/de M08	feuille
approved	DBL	approuvé	W.O.no.	A1-006431-01	D.T.no.

dwg.no. **5130-M07** dessin no.



1 PART FLOOR PLAN - 3RD FLOOR HVAC - AIR BALANCING
 M07 SCALE = 1:100

- CONSTRUCTION NOTES:
- REBALANCE EXISTING SUPPLY TROFFER DIFFUSERS TO FLOWS AS INDICATED IN L₁'S (TYP).
 - BALANCE NEW SUPPLY DIFFUSERS TO FLOWS AS INDICATED IN L₁'S (TYP).



GRILLES, DIFFUSERS & LOUVER SCHEDULE													
ID TAG	FUNCTION	SYSTEM	MANUFACTURER	MODEL	SIZE (mm x mm)	THROAT SIZE (mm)	FREE AREA (SQFT)	CROSS TALK SILENCER				REMARKS	
								W	H	L	ACOUSTIC LINING		
A	SUPPLY DIFFUSER	SUPPLY AIR	E.H. PRICE	150/600x600/PDMC-BN/3/B12	600x600	1500	-	-	-	-	-	REFER TO NOTES 1, 2 & 5	
B	SUPPLY DIFFUSER	RETURN AIR	E.H. PRICE	200/600x600/PDMC-BN/3/B12	600x600	2000	-	-	-	-	-	REFER TO NOTES 1, 2 & 5	
C	RETURN AIR GRILLE	RETURN AIR	E.H. PRICE	600x300/10A/LB12	600x300	-	1.8	-	-	-	-	REFER TO NOTES 1 & 2	
D	RETURN AIR GRILLE	RETURN AIR	E.H. PRICE	600x300/10A/LB12	600x300	-	1.8	600	250	950	FIBREGLASS - 25mm	600x250x950/XTL	REFER TO NOTES 1, 2 & 3
E	RETURN AIR GRILLE	RETURN AIR	E.H. PRICE	600x300/10A/LB12	600x300	-	1.8	-	-	-	-	REFER TO NOTES 1 & 2	
F	EXHAUST GRILLE	EXHAUST AIR	E.H. PRICE	600x300/10A/LB12	600x300	-	1.8	-	-	-	-	REFER TO NOTES 1 & 2	
LV1	EXHAUST LOUVER	KICHENETTE EXHAUST	VENTEX	2425	600x300	-	0.51	-	-	-	-	REFER TO NOTE 4	

NOTES:

- DIFFUSERS, RETURN AND EXHAUST GRILLES SHALL BE OF SINGLE MANUFACTURER.
- DIFFUSER, RETURN AND EXHAUST GRILLE SELECTION MODELS BASED ON E.H. PRICE.
- RETURN GRILLE SHALL BE COMPLETE WITH CROSS TALK SILENCER. CROSS TALK SILENCER SELECTION MODEL BASED ON E.H. PRICE.
- EXHAUST LOUVERS SHALL BE EQUIPPED WITH BIRDSCREENS AND GRAVITY BACKDRAFT DAMPERS.
- ALL DIFFUSERS SHALL BE EQUIPPED WITH VOLUME CONTROLS DAMPERS AND EXTENDED NECKS FOR EASY CONNECTION TO FLEXIBLE DUCTWORK.

FAN SCHEDULE														
ID TAG	FUNCTION	LOCATION	MANUFACTURER	MODEL	TYPE	ELECTRICAL					FAN PERFORMANCE		REMARKS	
						BHP	HP	RPM	FLA	V/PHz	VFD	FLOW (CFM)		ESP (IN. WC)
55KAF20	EXHAUST	KITCHENETTE	COOK	90SON10D	CENTRIFUGAL SQUARE INLINE - DIRECT DRIVE	123	1/6	1725	9.8	115/1/60	N	350	0.250	CONTROLLED BY MOTION SENSOR IN SPACE
55CAF04	RETURN	CONFERENCE ROOM	COOK	90SON10D	CENTRIFUGAL SQUARE INLINE - DIRECT DRIVE	123W	1/6	1725	9.8	115/1/60	Y	350	0.250	CONTROLLED BY MOTION SENSOR IN SPACE

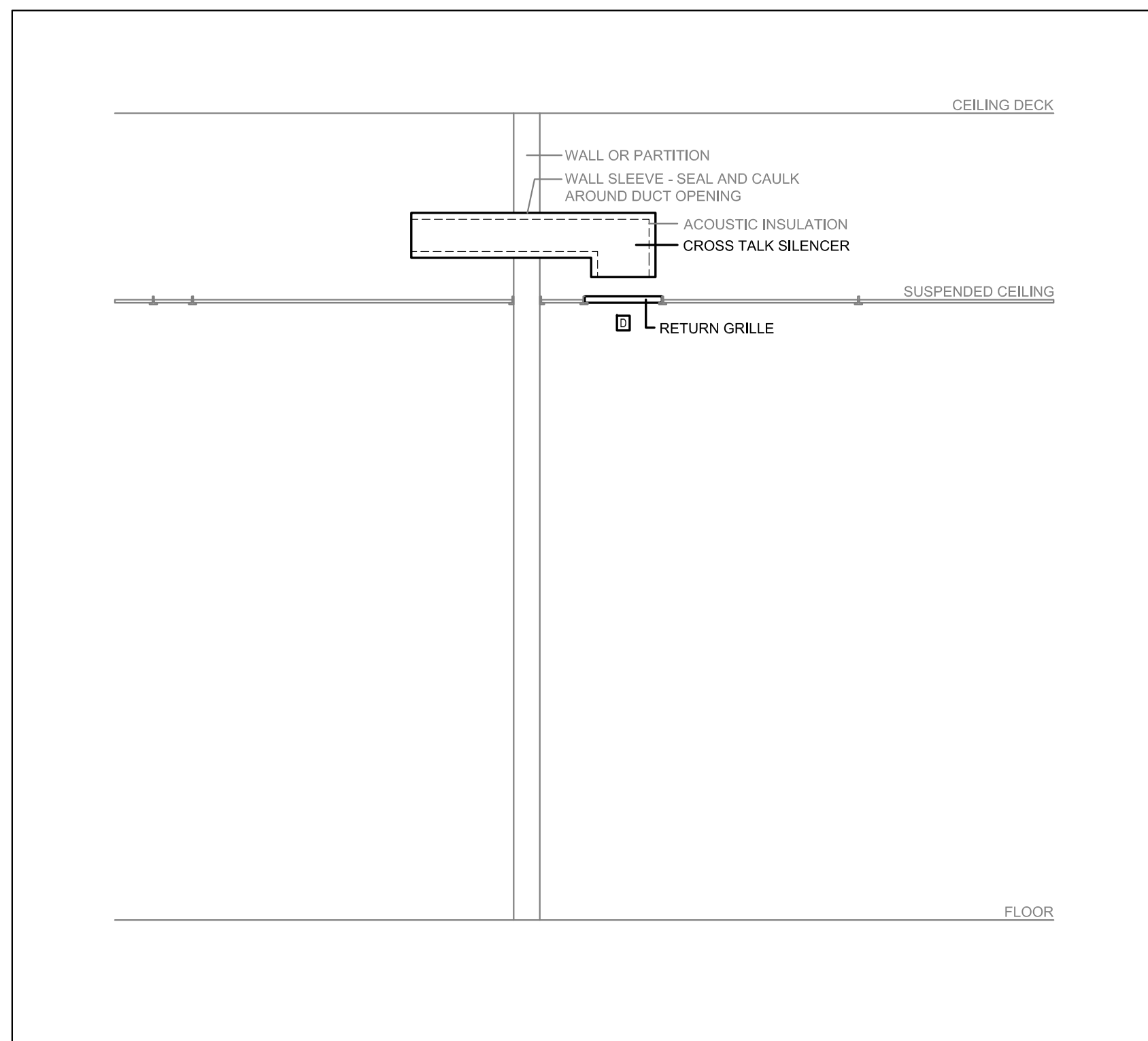
NOTES:

- FANS SHALL BE OF SINGLE MANUFACTURER.
- MOTORS SHALL HAVE INSULATED HOUSING.
- FANS SHALL BE EQUIPPED WITH FLEXIBLE CONNECTIONS AT INLETS AND OUTLETS.
- FANS SHALL BE EQUIPPED WITH MANUFACTURER SUPPLIED VIBRATION ISOLATION MOUNTING KITS.
- FANS SHALL BE EQUIPPED WITH UNIT MOUNTED DISCONNECTS.

EXISTING VARIABLE AIR VOLUME (VAV) BOX SCHEDULE - INFORMATION ONLY										
ID TAG	AREA SERVED	INLET SIZES (MM)	MAX AIR FLOW (L/S)	MIN AIR FLOW (L/S)	S.P. (PA)	REHEAT (Y/N)	CONTROLS	UNIT SIZE	REMARKS	
1	OFFICE 328	1250	165	30	2	N	DDC	5	REFER TO NOTE 2	
2	OFFICE 329	1250	165	30	2	N	DDC	5	REFER TO NOTE 2	
3	OFFICE 327	1250	165	30	2	N	DDC	5	REFER TO NOTE 2	
4	QUIET RM 332	1000	106	21	67	N	DDC	4	REFER TO NOTE 1	
5	OFFICE 326	1250	165	30	2	N	DDC	5	REFER TO NOTE 2	
6	PRINT RM 325	1250	165	30	2	N	DDC	5	REFER TO NOTE 2	
7	QUIET RM 330	1000	106	24	2	N	DDC	4	REFER TO NOTE 2	
8	QUIET RM 331	1000	106	24	2	N	DDC	4	REFER TO NOTE 2	
9	SMALL CONF	1500	212	31	2	N	DDC	6	REFER TO NOTE 2	

NOTES:

- TERMINAL UNIT BASED ON E.H. PRICE MODEL DDQ DUAL DUCT C/W ACOUSTICALLY LINED SUPPLY PLENUM. CONTROLS SUPPLIED BY AIRTRON AND TAPED TO SIDE OF BOX FOR FUTURE RELOCATION.
- TERMINAL UNIT BASED ON E.H. PRICE MODEL SDVO SINGLE DUCT VAV C/W ACOUSTICALLY LINED SUPPLY PLENUM. CONTROLS SUPPLIED BY AIRTRON AND TAPED TO SIDE OF BOX FOR FUTURE RELOCATION.



1 TYPICAL CROSS TALK SILENCER INSTALLATION
SCALE = NTS

GENERAL CONTROL WORK NOTES:

- GENERAL CONTRACTOR SHALL SUBCONTRACT AIRTRON FOR ALL CONTROLS WORK REQUIRED UNDER THIS PROJECT. CONTACT: AARON DOBSON (613) 247-7938.
- M-55 CONTROL GRAPHICS TO BE UPDATED TO INCORPORATE MODIFICATIONS AND INTEGRATED CONTROLS PER THE NRC CAMPUS STANDARD.
- MODIFICATION OF THE EXISTING DDC SYSTEM UNDER THIS PROJECT SHALL INCORPORATE UPDATES FOR THE CONTROL POINTS INDICATED.
- SEQUENCES OF OPERATION TO BE UPDATED AND INCORPORATED TO THE OWS SEQUENCE LINK.
- DDC CONTROLLER FOR M-55 TO HAVE POINTS LIST UPDATED UPON PROJECT COMPLETION.
- CONTROL WIRING TO BE APPROPRIATELY TAGGED WITH POINT NAMES AS PER THE NRC CAMPUS STANDARD.
- CONTROL CONTROL TO PROVIDE ELECTRONIC AS-BUILT DRAWINGS FOR STORAGE ON THE ASPM BAS SERVER.

MECHANICAL DRAWING SYMBOLS LEGEND

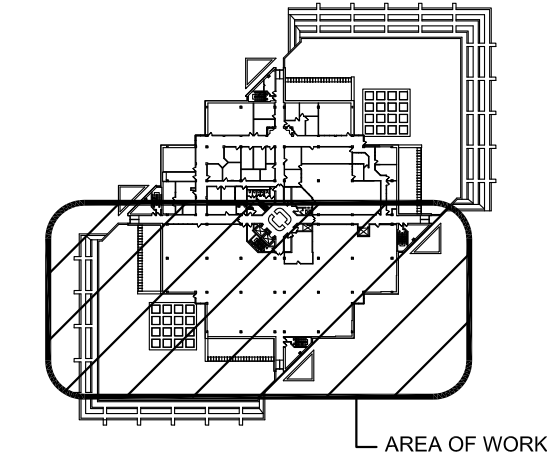
	TYPICAL EXISTING
	TYPICAL NEW
	TYPICAL DEMOLITION / REMOVALS
	FIRE PROTECTION PIPING
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	SANITARY VENT PIPING
	SANITARY PIPING
	STORM PIPING
	CAP
	PIPE DN / INTO PAGE
	PIPE UP / OUT OF PAGE
	PIPE CONTINUATION
	CLEAN OUT
	PIPE RISER
	FLOOR DRAIN
	VALVE (IN PLAN)
	VALVE (VERTICAL ORIENTATION)
	DUCT
	INSULATED DUCT
	ACOUSTICALLY LINED DUCT
	FLEXIBLE CONNECTOR
	SUPPLY DIFFUSER
	RETURN / EXHAUST GRILLE
	LOUVER
	BACKDRAFT DAMPER
	TERMINAL UNIT
	INLINE CABINET FAN
	AIR FLOW (L/s)
	TEMPERATURE CONTROLLER
	CONTROL WIRING
	FIRE HOSE CABINET
	SPRINKLER HEAD
	SPRINKLER HEAD - TO BE REMOVED
	SPRINKLER HEAD - TO BE RELOCATED
	SPRINKLER HEAD - RELOCATED
	SPRINKLER HEAD - NEW



GENERAL NOTES

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- 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



1	17 02 2016	ISSUED FOR TENDER	ALS
No.	Date	Revision	By: Par:
Date Printed 17 02 2016		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

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

project project

**M-55 PART THIRD FLOOR RENOVATION
M-60 ITS MOVE TO M-55**

MONTREAL ROAD CAMPUS

**MECHANICAL
LEGEND, SCHEDULES AND DETAILS**

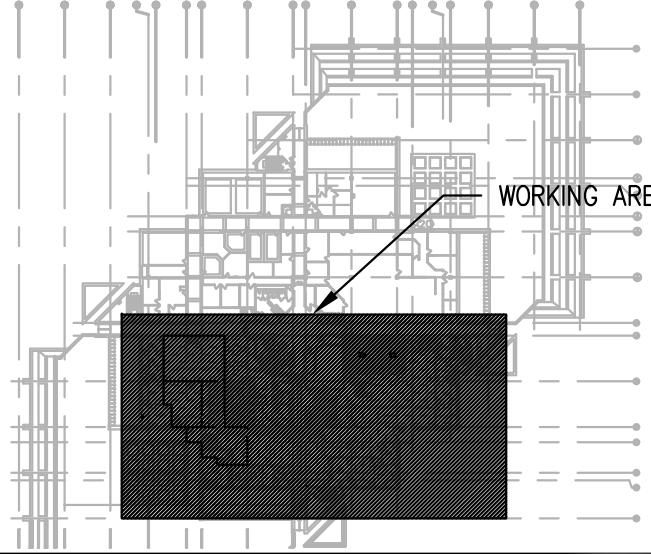
designed	ALS	conçu	date	NOV. 2015	date
drawn	ALS	dessiné	scale	AS SHOWN	échelle
checked	RGC	vérifié	sheet	M08 of/de M08	feuille
approved	DBL	approuvé	W.O.no.	A1-004631-01	D.T.no.

dwg.no. dessin no.

5130-M08

LEGEND	
SYMBOL	DESCRIPTION
	2'X4' LUMINAIRE, TYPE AS SHOWN
	2'X2' LUMINAIRE, TYPE AS SHOWN
	RECESSED PILOT LIGHT, TYPE AS SHOWN
	LUMINAIRE ON EMERGENCY CIRCUIT
	LIGHTING CONTROL ZONE, ZONE NUMBER AS SHOWN
	LIGHTING CONTROL TOGGLE SWITCH VOLTAGE TO SUIT LUMINAIRE TO BE CONTROLLED
	LIGHTING CONTROL DIMMING SWITCH VOLTAGE TO SUIT LUMINAIRE TO BE CONTROLLED
	LIGHTING CONTROL DIMMABLE MOTION SWITCH VOLTAGE TO SUIT LUMINAIRE TO BE CONTROLLED
	LIGHTING CONTROL 3-WAY SWITCH VOLTAGE TO SUIT LUMINAIRE TO BE CONTROLLED
	LIGHTING CONTROL MOTION SWITCH VOLTAGE TO SUIT LUMINAIRE TO BE CONTROLLED
	MULTIPLE LIGHTING CONTROL SWITCH, ZONING AS SHOWN
	CEILING MOUNTED LIGHTING CONTROL MOTION SENSOR
	RELAY BOX
	FIA HEAT DETECTOR
	RELOCATE EXISTING DEVICE TO NEW LOCATION
	DARK SOLID LINE DENOTES NEW OR RELOCATED
	LIGHT SOLID LINE DENOTES EXISTING TO REMAIN

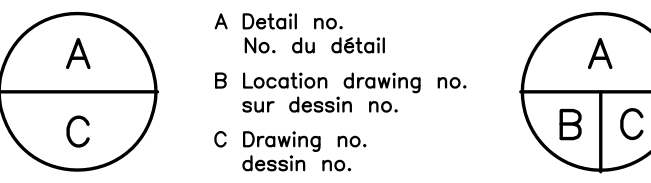
KEY PLAN



No.	Date	Revision	By:	Par:
0	FEB 17/2016	ISSUED FOR TENDER	CYC	

Date Printed DD MM YYYY Date imprimée

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project **M-55, PART THIRD FLOOR RENOVATION. M-60 ITS MOVE TO M-55** projet

project **MONTREAL ROAD CAMPUS** projet

drawing **NEW ELECTRICAL LAYOUT - LIGHTING AND FIRE ALARM** dessin

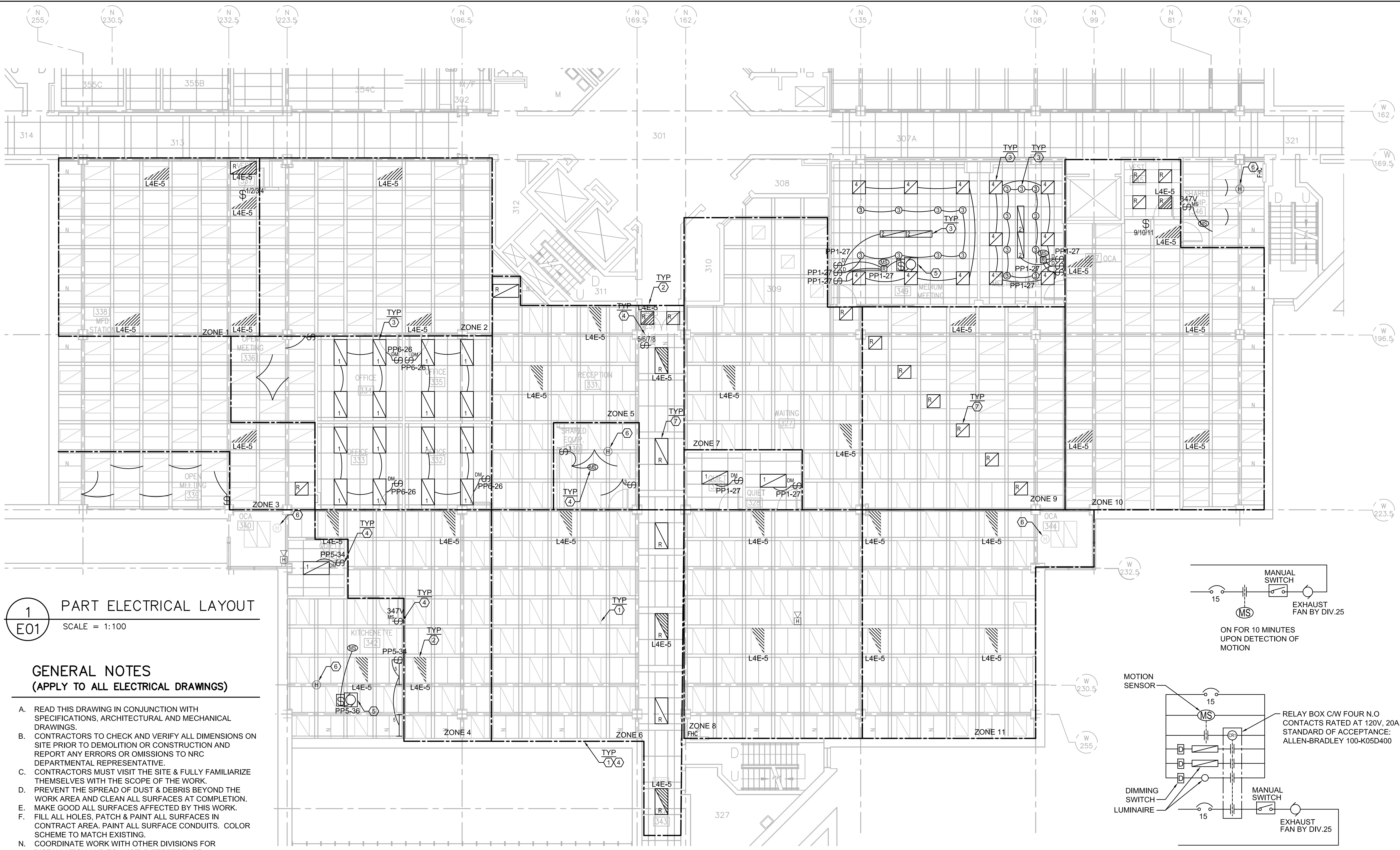
designed **C.Y.C** conçu **FEB.2016** date

drawn **C.Y.C** dessiné **AS NOTED** échelle

checked **F.G** vérifié **E01** de/fe **5** feuille

approved **BV** approuvé **W.O.no.** D.T.no.

dwg.no. **5130 - E01** dessin no.



1 PART ELECTRICAL LAYOUT
 SCALE = 1:100

GENERAL NOTES (APPLY TO ALL ELECTRICAL DRAWINGS)

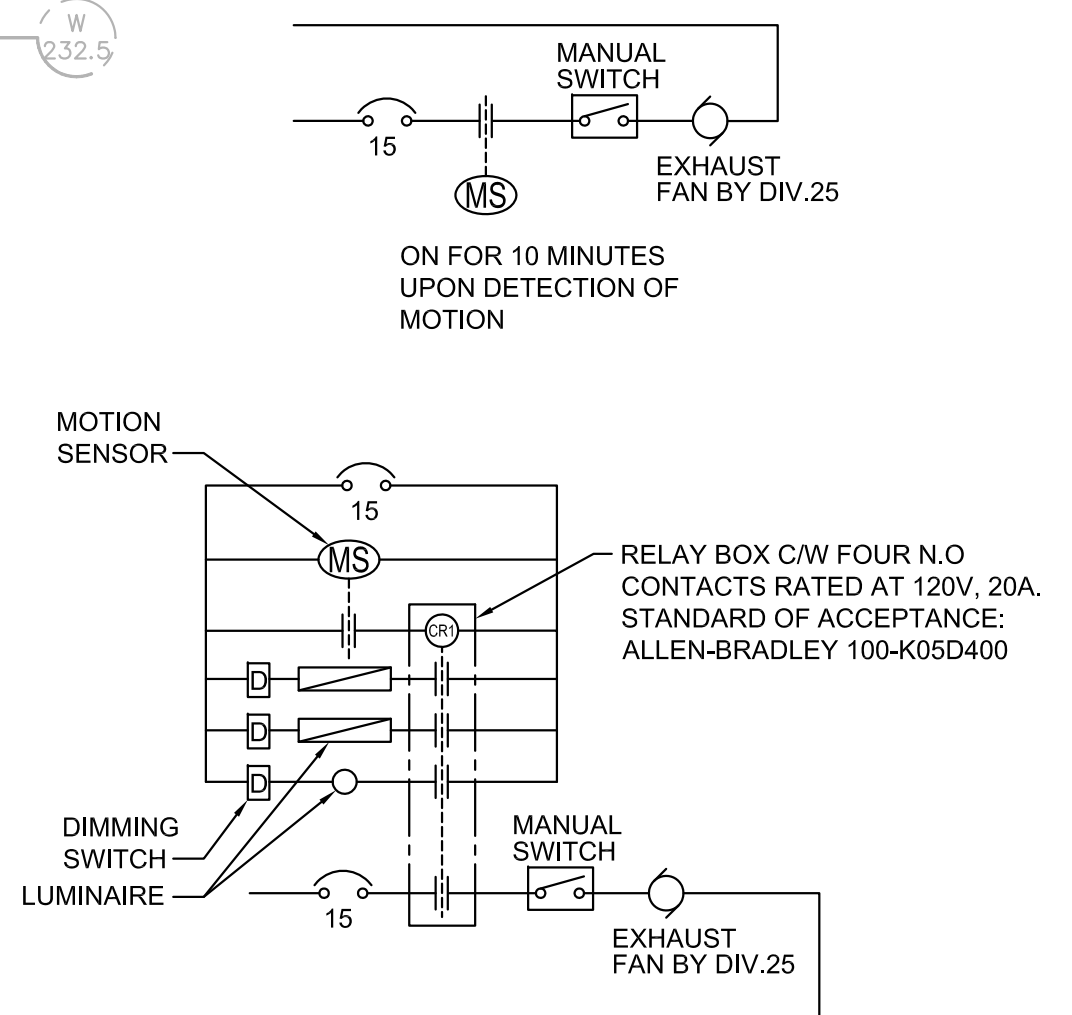
- READ THIS DRAWING IN CONJUNCTION WITH SPECIFICATIONS, ARCHITECTURAL AND MECHANICAL DRAWINGS.
- CONTRACTORS TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO DEMOLITION OR CONSTRUCTION AND REPORT ANY ERRORS OR OMISSIONS TO NRC DEPARTMENTAL REPRESENTATIVE.
- CONTRACTORS MUST VISIT THE SITE & FULLY 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.
- ALL INTERIOR WIRING SHALL BE #12 AWG CONDUCTOR MINIMUM. TYPE R90 XLPE CROSS-LINK POLYETHYLENE STRANDED FOR SIZE NO.8 AND LARGER, TYPE T90 STRANDED FOR SIZE NO.10 AND SMALLER. ALL NEW RACEWAYS SHALL BE THIN WALL ELECTRICAL METALLIC TUBING (EMT) 1/2" MINIMUM UNLESS OTHERWISE INDICATED. CONDUITS TO BE COMPLETE WITH INSULATED TYPE CONNECTORS AND BUSHING.
- 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.
- MOTOR STARTERS:
 - P.A. MANUAL MOTOR STARTERS C/W ONE OVERLOAD PER PHASE, PILOT LIGHT, QUICK MAKE, QUICK BREAK TOGGLE SWITCH, LOCKING TABS IN 'ON' OR 'OFF' POSITION. CSA CERTIFIED AS A DISCONNECTING MEANS, SHALL COMPLY WITH ESA BULLETIN REQUIREMENTS.

DRAWING NOTES

- EXISTING LUMINAIRE TO STAY. REVISE LIGHTING CONTROL TO SUIT NEW ZONING LAYOUT. EXISTING 347V LIGHTING CIRCUITS ARE FROM PANEL 'L3A' IN ROOM 306. REFER TO DRAWING E-02 FOR PANEL LOCATION.
- REWIRE EXISTING LUMINAIRE TO EMERGENCY POWER CIRCUIT AS SHOWN. EMERGENCY LUMINAIRES ARE NOT SWITCHED. PROVIDE LABEL AS PER SPEC.
- PROVIDE NEW LUMINAIRE, TYPE AS SHOWN. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION. CONNECT LUMINAIRES TO CIRCUIT AS INDICATED.
- PROVIDE LIGHTING CONTROL SWITCH AND CONNECT TO LUMINAIRES/ZONES AS SHOWN. VOLTAGE RATING TO MATCH LUMINAIRES TO BE CONTROLLED. REFER TO DETAIL #5 FOR MOTION SENSOR CONTROL DIAGRAMS.
- CEILING EXHAUST FAN TO BE SUPPLIED AND INSTALLED BY DIV.25. DIV.26 TO PROVIDE MOTION SENSOR, MANUAL SWITCH AND MAKE ALL FINAL CONNECTIONS. MANUAL SWITCH TO
- EXISTING FIRE ALARM HEAT DETECTOR TO REMAIN. MAKE SURE ALL REMAINING DETECTORS FUNCTION PROPERLY. PROVIDE VERIFICATION UPON JOB COMPLETION.
- REUSE EXISTING LUMINAIRES TAKEN DOWN FROM DEMOLITION WORK AND CONNECT TO CIRCUIT IN THE AREA. REFER TO DRAWING E05 FOR ADDITIONAL INFORMATION.

C/W PILOT LIGHT, LOCKING BLADES AND OVER LOAD PROTECTION. STANDARD OF ACCEPTANCE: SQUARE D 2510 FG5P. REFER TO DETAIL #2 FOR ADDITIONAL INFORMATION.

2 MOTION SENSOR CONTROL DIAGRAM
 SCALE = 1:100



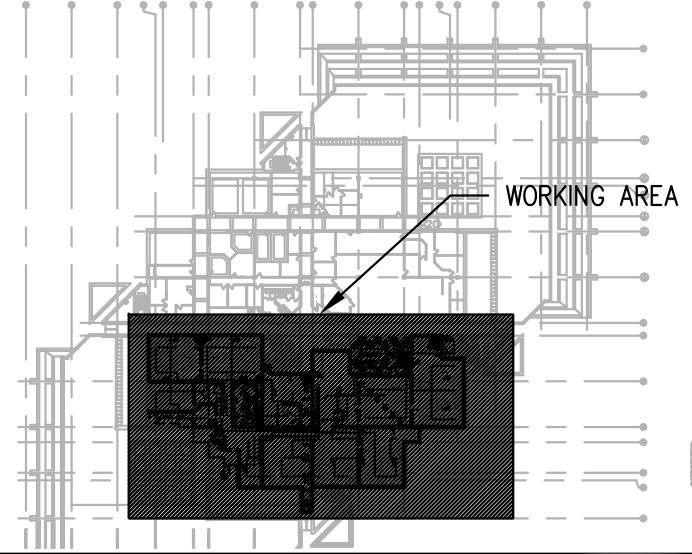
LUMINAIRE SCHEDULE								
TYPE	LUMINAIRE TYPE	LAMP TYPE	LAMP WATT	LAMP VOLTAGE	LUMEN OUTPUT	COLOR TEMPERATURE	MODEL NUMBER	NOTE
1	2'X4' RECESSED	LED	40	120	4300	4000K	PHILIPS CF1 2-AVE-G-43L-840-4-ACR-UNV-DIM	
2	4' LONG SUSPENDED	LED	47	120	4767	4000K	PHILIPS LEDALITE 7406-L-C-Q-N-04-7-1-E-T	
3	8' ROUND RECESSED	LED	24	120	2400	4000K	PHILIPS LUXSPACE DN570B	
4	2'X2' RECESSED	LED	31	120	3200	4000K	PHILIPS CF1 2-AVE-G-32L-840-2-ACR-UNV-DIM	
5	1016mm UNDER CABINET STRIP	LED	18	120	795	4000K	PHILIPS eW 523-00068-14	

* THERE ARE TWO DIFFERENT VOLTAGE (120V AND 347V) LUMINAIRES. ALL CONTROL SWITCHES NEED TO MATCH THE VOLTAGE FOR THE LIGHTS THEY ARE CONTROLLING. PAY ADDITIONAL ATTENTION TO IT WHEN ORDERING. PROVIDE LABEL ON SWITCH WITH CIRCUIT NUMBER AS PER SPEC.

LEGEND

SYMBOL	DESCRIPTION
	120V 15A DUPLEX RECEPTACLE C/W TWO HIGH-POWERED USB PORTS WITH 3.6A CHARGING POWER
	120V 15A DUPLEX RECEPTACLE
	120V 15A DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER. CONFIRM EXACT MOUNTING HEIGHT AND LOCATION ON SITE.
	SPECIAL RECEPTACLE, TYPE AS SHOWN
	120V 15A DEDICATED RECEPTACLE
	120V 15A SPLIT RECEPTACLE MOUNTED ABOVE COUNTER
	GROUND FAULT INTERRUPTING RECEPTACLE
	ELECTRICAL PANEL
	VERTICALLY MOUNTED TWO CHANNEL WIREMODE
	FURNITURE POLE C/W POWER CIRCUITS AS SHOWN AND THREE CAT5 CABLES PER STATION
	RECESSED FLOOR MONUMENT C/W FOUR DUPLEX RECEPTACLE AND FOUR COMMUNICATION OUTLETS
	DATA/VOICE OUTLET C/W 21mm EMT AND CAT5 CABLE
	DARK SOLID LINE DENOTES NEW OR RELOCATED
	LIGHT SOLID LINE DENOTES EXISTING TO REMAIN
	DARK DASHED LINE DENOTES DEMOLITION

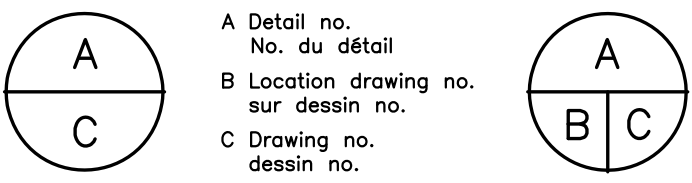
KEY PLAN



No.	Date	Revision	By:	CYC
0	FEB 17/2016	ISSUED FOR TENDER		

Date Printed DD MM YYYY Date Imprimée

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project **M-55, PART THIRD FLOOR RENOVATION. M-60 ITS MOVE TO M-55** project

MONTREAL ROAD CAMPUS

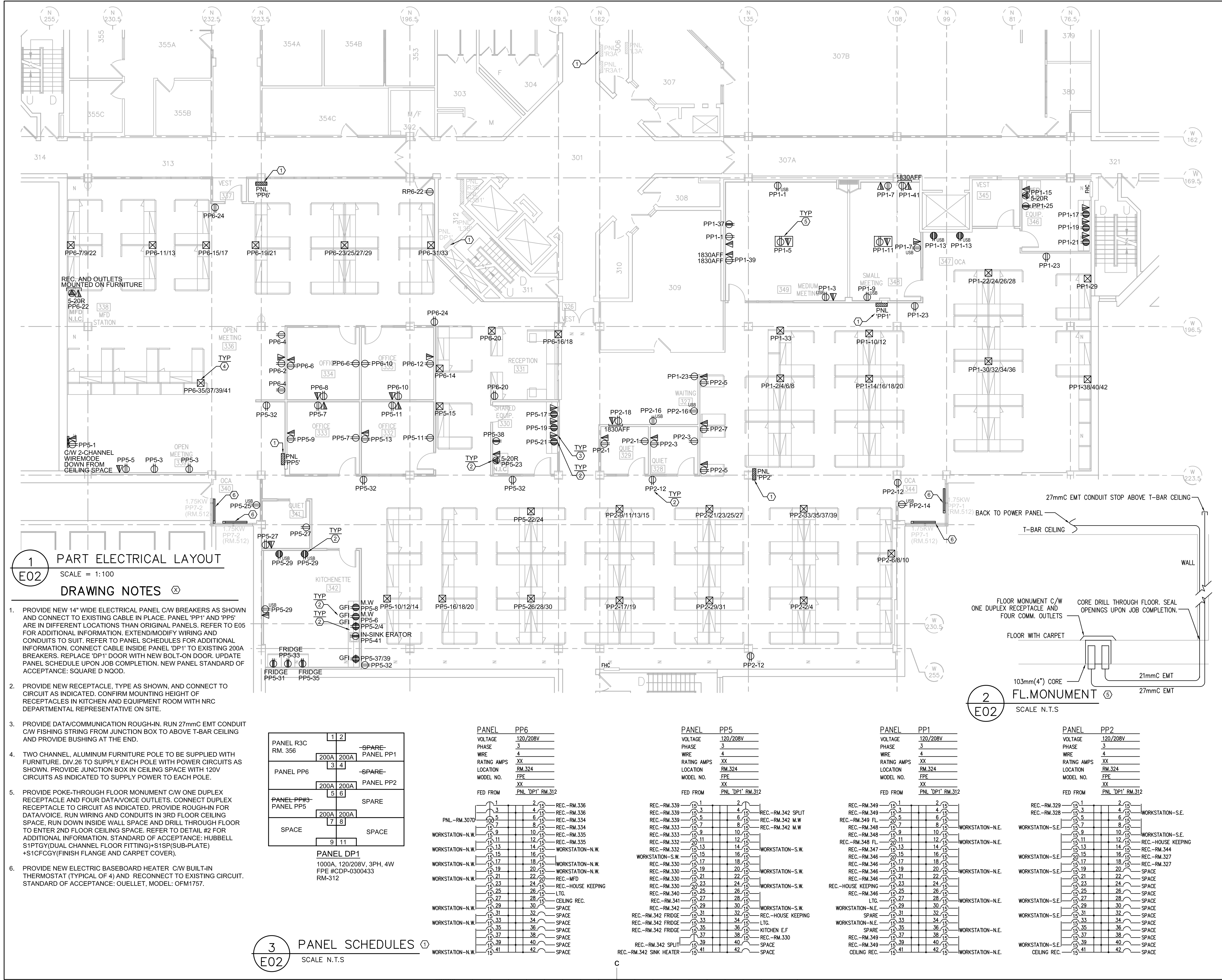
designed **C.Y.C** conçu **FEB.2016** date

drawn **C.Y.C** dessiné **AS NOTED** échelle

checked **F.G** vérifié **E02 of/de 5** feuille

approved **BV** approuvé **W.O.no.** D.T.no.

dwg.no. **5130 - E02** dessin no.



1 PART ELECTRICAL LAYOUT
 SCALE = 1:100
DRAWING NOTES

- PROVIDE NEW 14" WIDE ELECTRICAL PANEL C/W BREAKERS AS SHOWN AND CONNECT TO EXISTING CABLE IN PLACE. PANEL 'PP1' AND 'PP5' ARE IN DIFFERENT LOCATIONS THAN ORIGINAL PANELS. REFER TO E05 FOR ADDITIONAL INFORMATION. EXTEND/MODIFY WIRING AND CONDUITS TO SUIT. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION. CONNECT CABLE INSIDE PANEL 'DP1' TO EXISTING 200A BREAKERS. REPLACE 'DP1' DOOR WITH NEW BOLT-ON DOOR. UPDATE PANEL SCHEDULE UPON JOB COMPLETION. NEW PANEL STANDARD OF ACCEPTANCE: SQUARE D NOOD.
- PROVIDE NEW RECEPTACLE, TYPE AS SHOWN, AND CONNECT TO CIRCUIT AS INDICATED. CONFIRM MOUNTING HEIGHT OF RECEPTACLES IN KITCHEN AND EQUIPMENT ROOM WITH NRC DEPARTMENTAL REPRESENTATIVE ON SITE.
- PROVIDE DATA/COMMUNICATION ROUGH-IN. RUN 27mm C EMT CONDUIT C/W FISHING STRINGS FROM JUNCTION BOX TO ABOVE T-BAR CEILING AND PROVIDE BUSHING AT THE END.
- TWO CHANNEL ALUMINUM FURNITURE POLE TO BE SUPPLIED WITH FURNITURE. DIV.26 TO SUPPLY EACH POLE WITH POWER CIRCUITS AS SHOWN. PROVIDE JUNCTION BOX IN CEILING SPACE WITH 120V CIRCUITS AS INDICATED TO SUPPLY POWER TO EACH POLE.
- PROVIDE POKE-THROUGH FLOOR MONUMENT C/W ONE DUPLEX RECEPTACLE AND FOUR DATA/VOICE OUTLETS. CONNECT DUPLEX RECEPTACLE TO CIRCUIT AS INDICATED. PROVIDE ROUGH-IN FOR DATA/VOICE. RUN WIRING AND CONDUITS IN 3RD FLOOR CEILING SPACE. RUN DOWN INSIDE WALL SPACE AND DRILL THROUGH FLOOR TO ENTER 2ND FLOOR CEILING SPACE. REFER TO DETAIL #2 FOR ADDITIONAL INFORMATION. STANDARD OF ACCEPTANCE: HUBBELL S1PTGY(DUAL CHANNEL FLOOR FITTING)+S1SP(SUB-PLATE)+S1FCGY(FINISH FLANGE AND CARPET COVER).
- PROVIDE NEW ELECTRIC BASEBOARD HEATER C/W BUILT-IN THERMOSTAT (TYPICAL OF 4) AND RECONNECT TO EXISTING CIRCUIT. STANDARD OF ACCEPTANCE: OUELLET, MODEL: OFM1757.

PANEL R3C RM. 356	1 2	-SPARE- PANEL PP1
PANEL PP6	3 4	-SPARE- PANEL PP2
PANEL PP3- PANEL PP5	5 6	SPARE
SPACE	7 8	SPACE
SPACE	9 11	SPACE

PANEL DP1	1000A, 120/208V, 3PH, 4W FPE #CDP-0300433 RM-312
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3 PANEL SCHEDULES
 SCALE N.T.S.

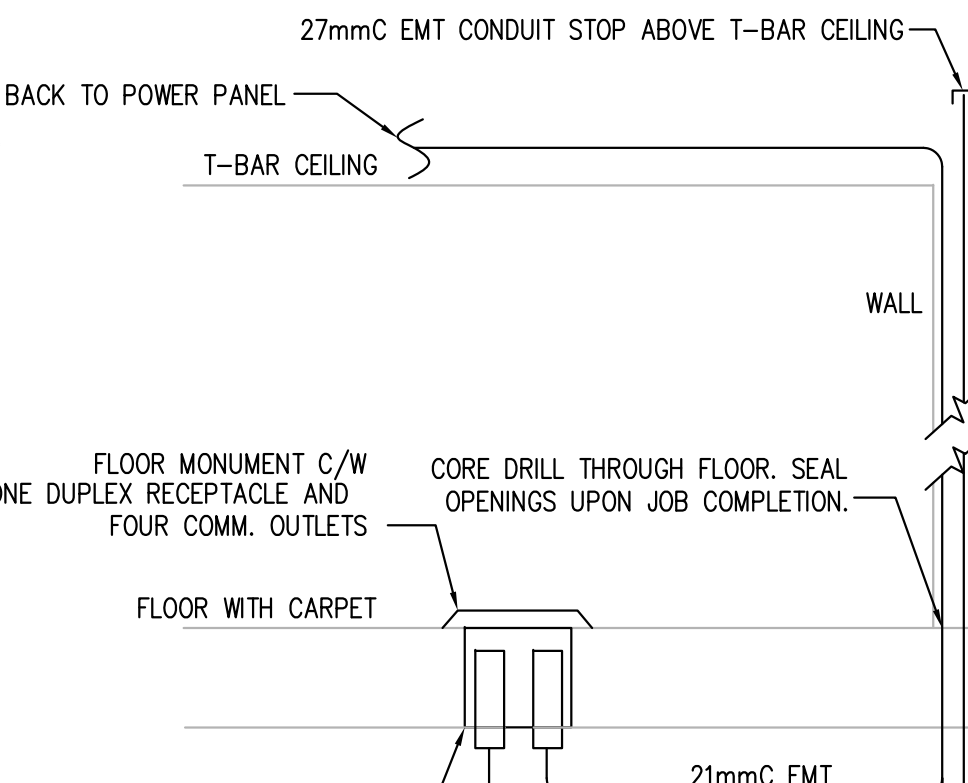
PANEL	PP6
VOLTAGE	120/208V
PHASE	3
WIRE	4
RATING AMPS	XX
LOCATION	RM.324
MODEL NO.	FPE
FED FROM	PNL 'DP1' RM.312
1	REC.-RM.336
2	REC.-RM.336
3	REC.-RM.334
4	REC.-RM.334
5	REC.-RM.335
6	REC.-RM.335
7	REC.-RM.335
8	REC.-RM.335
9	REC.-RM.335
10	REC.-RM.335
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12	REC.-RM.335
13	REC.-RM.335
14	REC.-RM.335
15	REC.-RM.335
16	REC.-RM.335
17	REC.-RM.335
18	REC.-RM.335
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30	REC.-RM.335
31	REC.-RM.335
32	REC.-RM.335
33	REC.-RM.335
34	REC.-RM.335
35	REC.-RM.335
36	REC.-RM.335
37	REC.-RM.335
38	REC.-RM.335
39	REC.-RM.335
40	REC.-RM.335
41	REC.-RM.335
42	REC.-RM.335

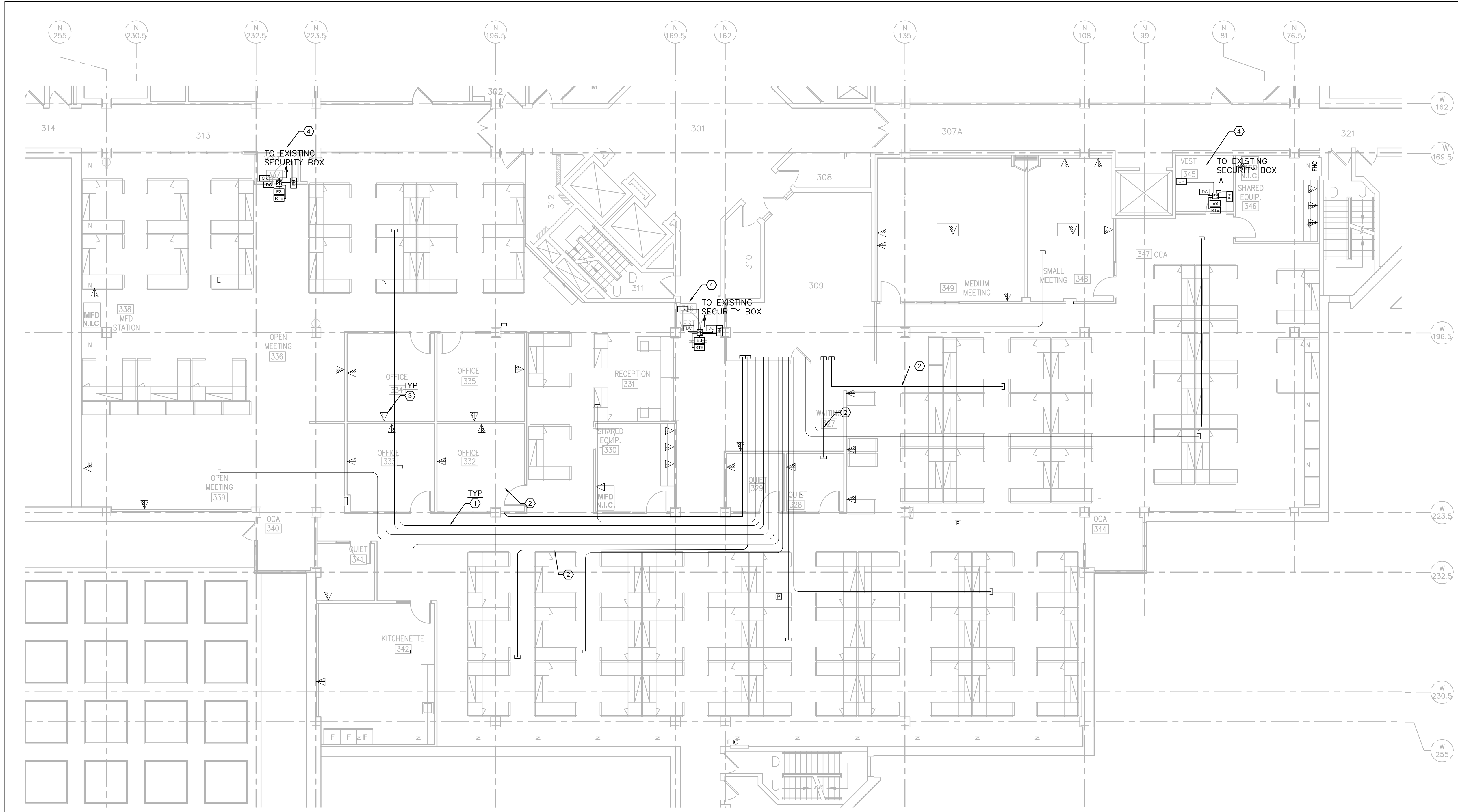
PANEL	PP5
VOLTAGE	120/208V
PHASE	3
WIRE	4
RATING AMPS	XX
LOCATION	RM.324
MODEL NO.	FPE
FED FROM	PNL 'DP1' RM.312
1	REC.-RM.339
2	REC.-RM.342 SPLIT
3	REC.-RM.342 M.W
4	REC.-RM.342 M.W
5	REC.-RM.342 M.W
6	REC.-RM.342 M.W
7	REC.-RM.342 M.W
8	REC.-RM.342 M.W
9	REC.-RM.342 M.W
10	REC.-RM.342 M.W
11	REC.-RM.342 M.W
12	REC.-RM.342 M.W
13	REC.-RM.342 M.W
14	REC.-RM.342 M.W
15	REC.-RM.342 M.W
16	REC.-RM.342 M.W
17	REC.-RM.342 M.W
18	REC.-RM.342 M.W
19	REC.-RM.342 M.W
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22	REC.-RM.342 M.W
23	REC.-RM.342 M.W
24	REC.-RM.342 M.W
25	REC.-RM.342 M.W
26	REC.-RM.342 M.W
27	REC.-RM.342 M.W
28	REC.-RM.342 M.W
29	REC.-RM.342 M.W
30	REC.-RM.342 M.W
31	REC.-RM.342 M.W
32	REC.-RM.342 M.W
33	REC.-RM.342 M.W
34	REC.-RM.342 M.W
35	REC.-RM.342 M.W
36	REC.-RM.342 M.W
37	REC.-RM.342 M.W
38	REC.-RM.342 M.W
39	REC.-RM.342 M.W
40	REC.-RM.342 M.W
41	REC.-RM.342 M.W
42	REC.-RM.342 M.W

PANEL	PP1
VOLTAGE	120/208V
PHASE	3
WIRE	4
RATING AMPS	XX
LOCATION	RM.324
MODEL NO.	FPE
FED FROM	PNL 'DP1' RM.312
1	REC.-RM.349
2	REC.-RM.349
3	REC.-RM.349
4	REC.-RM.349
5	REC.-RM.349
6	REC.-RM.349
7	REC.-RM.349
8	REC.-RM.349
9	REC.-RM.349
10	REC.-RM.349
11	REC.-RM.349
12	REC.-RM.349
13	REC.-RM.349
14	REC.-RM.349
15	REC.-RM.349
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33	REC.-RM.349
34	REC.-RM.349
35	REC.-RM.349
36	REC.-RM.349
37	REC.-RM.349
38	REC.-RM.349
39	REC.-RM.349
40	REC.-RM.349
41	REC.-RM.349
42	REC.-RM.349

PANEL	PP2
VOLTAGE	120/208V
PHASE	3
WIRE	4
RATING AMPS	XX
LOCATION	RM.324
MODEL NO.	FPE
FED FROM	PNL 'DP1' RM.312
1	REC.-RM.329
2	REC.-RM.329
3	REC.-RM.329
4	REC.-RM.329
5	REC.-RM.329
6	REC.-RM.329
7	REC.-RM.329
8	REC.-RM.329
9	REC.-RM.329
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17	REC.-RM.329
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38	REC.-RM.329
39	REC.-RM.329
40	REC.-RM.329
41	REC.-RM.329
42	REC.-RM.329

2 FL. MONUMENT
 SCALE N.T.S.

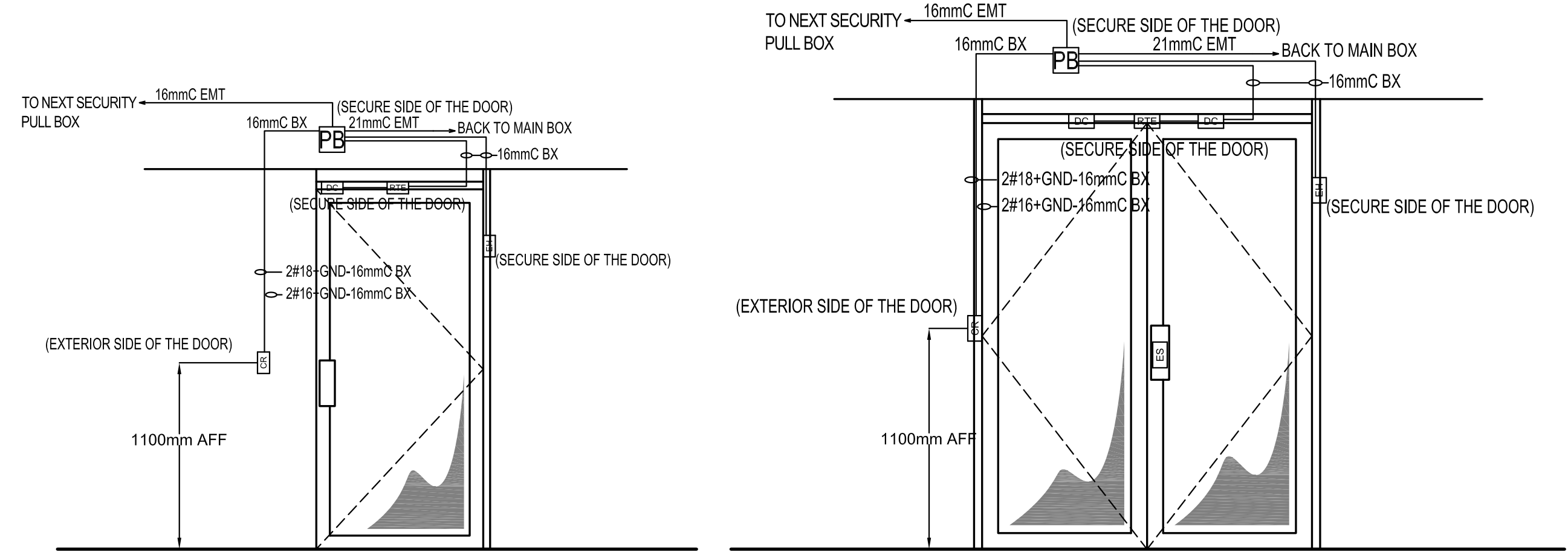




1 PART ELECTRICAL LAYOUT
 E03 SCALE = 1:100

DRAWING NOTES

- EXISTING 41mmC EMT ZONE CONDUIT TO STAY.
- PROVIDE NEW 53mmC EMT CONDUIT C/W BUSHING AS NEW COMMUNICATION ZONE CONDUIT.
- DATA/VOICE OUTLETS SHOWN FOR INFORMATION ONLY. REFER TO E02 FOR ADDITIONAL INFORMATION.
- RELOCATE/EXTEND EXISTING DOOR SECURITY DEVICES TO NEW LOCATION. REFER TO DETAIL #2 FOR ADDITIONAL INFORMATION. SUPPLY TWO HOURS ADDITIONAL LABOUR TO COORDINATE WITH SECURITY CONTRACTOR (SECURITY CONTRACTOR BY NRC) FOR DOOR OPERATOR INTERFACE WITH SECURITY SYSTEM. PROVIDE DOOR OPERATOR C/W TWO ROUND SHAPE SURFACE MOUNTED PUSH BUTTONS. CONFIRM EXACT LOCATION ON SITE WITH NRC DEPARTMENTAL REPRESENTATIVE. CONNECT DOOR OPERATOR TO 120V, 15A, SINGLE PHASE CIRCUIT AS SHOWN. PROVIDE 2#16 WIRES IN 10mm EMT FROM DOOR OPERATOR TO EACH PUSH BUTTON. DOOR OPERATOR STANDARD OF ACCEPTANCE: HUNTER AUTOMATIC (ENTREMATIC) HAS SERIES. CONFIRM DOOR SWING AND MODEL NUMBER WITH NRC DEPARTMENTAL REPRESENTATIVE BEFORE ORDERING. FOLLOW MANUFACTURER'S INSTRUCTION AND COORDINATE WORK ON SITE WITH DOOR INSTALLATION.

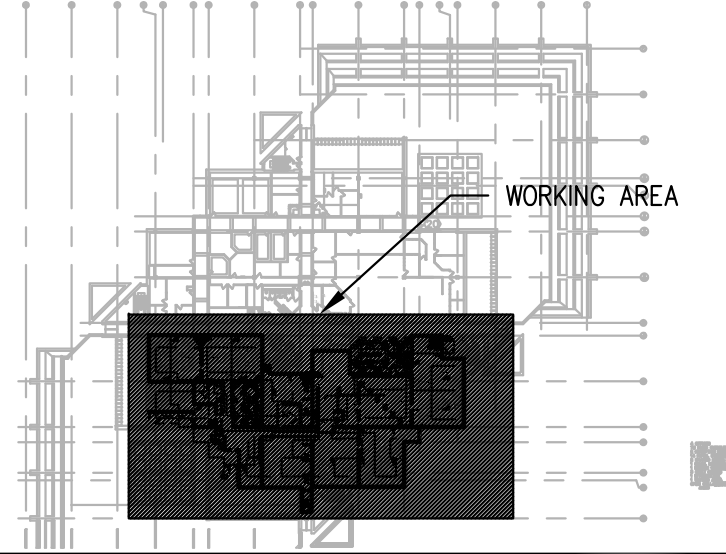


NOTE:
 DOOR SECURITY DEVICES TO BE PROVIDED BY OTHERS UNLESS NOTED OTHERWISE. DIV.26 TO PROVIDE PULL BOX AND CONDUITS C/W PULLING STRING AS SHOWN. COORDINATE WORK WITH DOOR INSTALLATION AND SECURITY CONTRACTOR.

2 DOOR SECURITY DETAIL
 E03 SCALE = N.T.S.

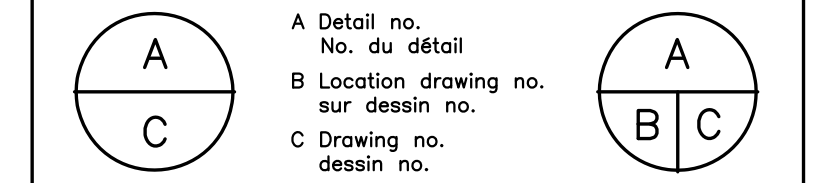
SECURITY LEGEND	
SYMBOL	DESCRIPTION
	200mmX200mmX100 JUNCTION BOX
	DOOR CONTACT BY OTHERS
	REQUEST TO EXIT BY OTHERS
	ELECTRIC HINGE BY DOOR SUPPLIER MODEL: VON DUPRIN TRANSFER HINGE EP2
	ELECTRIC STRIKE SUPPLIED AND PRE-WIRED BY DOOR SUPPLIER MODEL: HES 4500
	CARD READER BY OTHERS

KEY PLAN



0	FEB 17/2016	ISSUED FOR TENDER	CYC
No.	Date	Revision	By:
			Par:

- 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



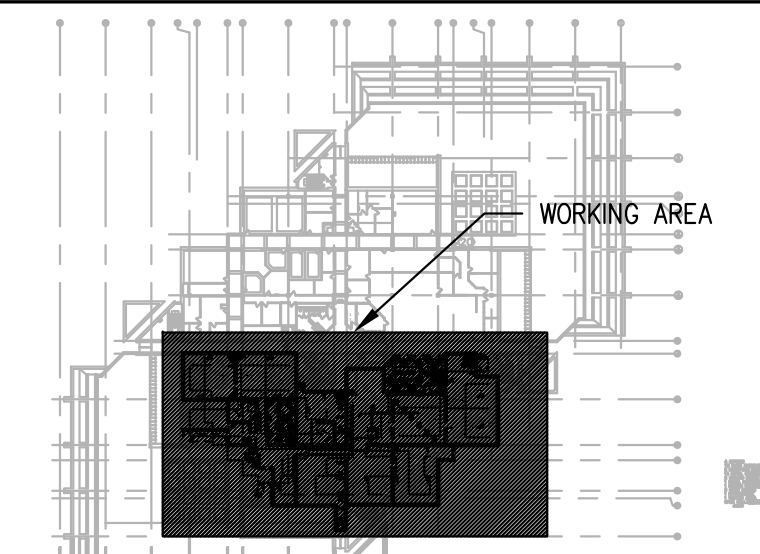
project
**M-55, PART THIRD FLOOR RENOVATION.
 M-60 ITS MOVE TO M-55**
 MONTREAL ROAD CAMPUS
 drawing
**NEW ELECTRICAL LAYOUT -
 COMMUNICATION ZONE CONDUIT
 AND DOOR SECURITY**
 dessin

designed	C.Y.C	conçu	date	FEB.2016	date
drawn	C.Y.C	dessiné	scale	AS NOTED	échelle
checked	F.G	vérifié	sheet	E03 of/de	5
approved	BV	approuvé	W.O.no.		D.T.no.

dwg.no.
5130 - E03
 dessin no.

LEGEND	
SYMBOL	DESCRIPTION
	SOUND MASKING SYSTEM 8-CHANNEL CONTROLLER
	PLENUM SPEAKER
	SOUND SENSOR

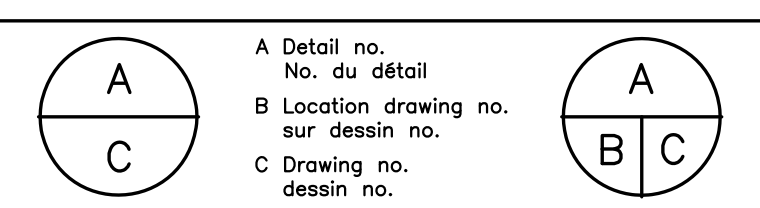
KEY PLAN



No.	Date	Revision	By:	Par:
0	FEB 17/2016	ISSUED FOR TENDER	CYC	

Date Printed DD MM YYYY 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 **M-55, PART THIRD FLOOR RENOVATION. M-60 ITS MOVE TO M-55** projet

design **MONTREAL ROAD CAMPUS** dessin

drawing **NEW ELECTRICAL LAYOUT - SOUND MASKING SYSTEM**

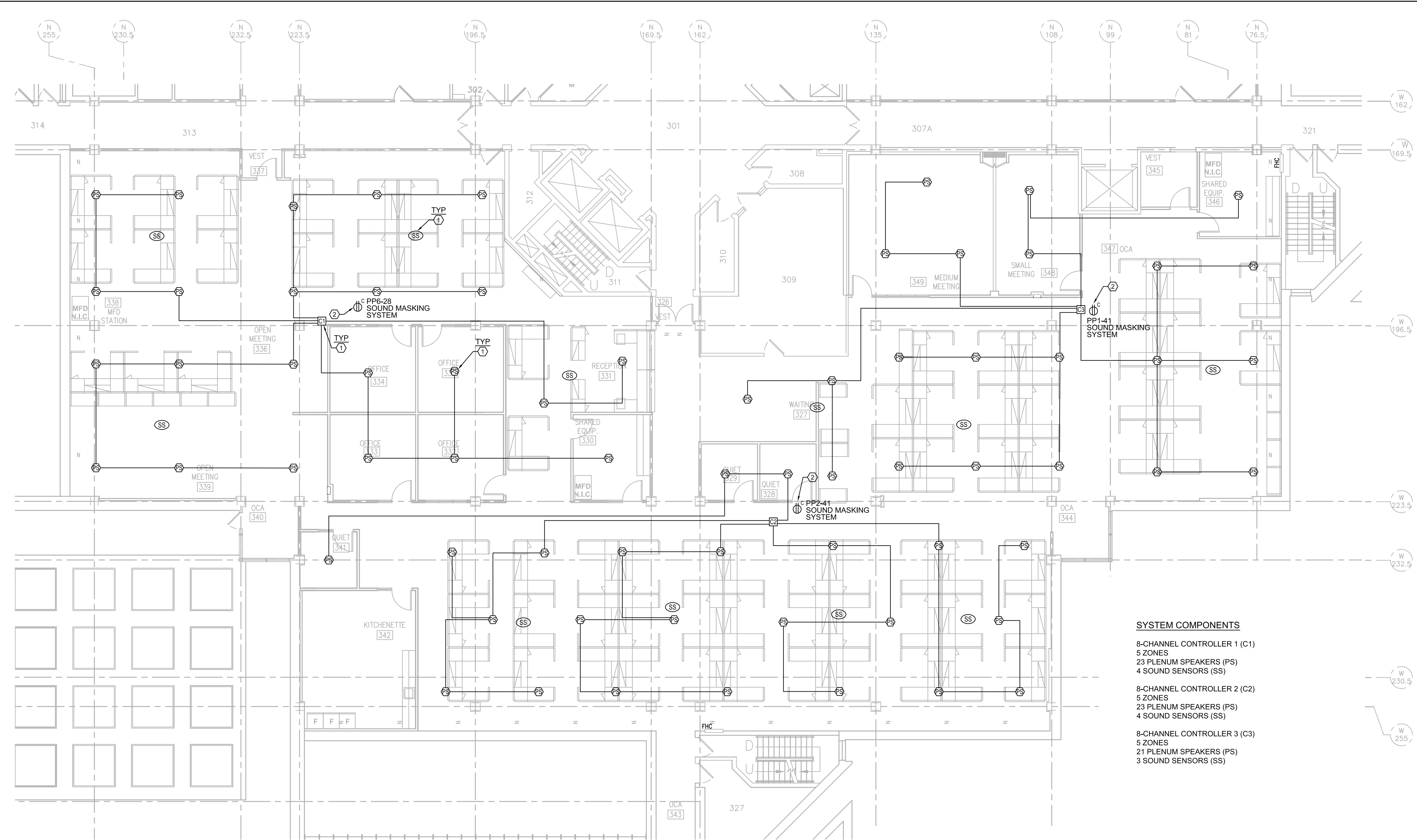
designed **C.Y.C** conçu **FEB.2016** date

drawn **C.Y.C** dessiné **AS NOTED** scale échelle

checked **F.G** vérifié **E04 of/de 5** sheet/feuille

approved **BV** approuvé W.O.no. D.T.no.

dwg.no. **5130 - E04** dessin no.



- SYSTEM COMPONENTS**
- 8-CHANNEL CONTROLLER 1 (C1)
5 ZONES
23 PLENUM SPEAKERS (PS)
4 SOUND SENSORS (SS)
 - 8-CHANNEL CONTROLLER 2 (C2)
5 ZONES
23 PLENUM SPEAKERS (PS)
4 SOUND SENSORS (SS)
 - 8-CHANNEL CONTROLLER 3 (C3)
5 ZONES
21 PLENUM SPEAKERS (PS)
3 SOUND SENSORS (SS)

1 PART ELECTRICAL LAYOUT
 E03 SCALE = 1:100

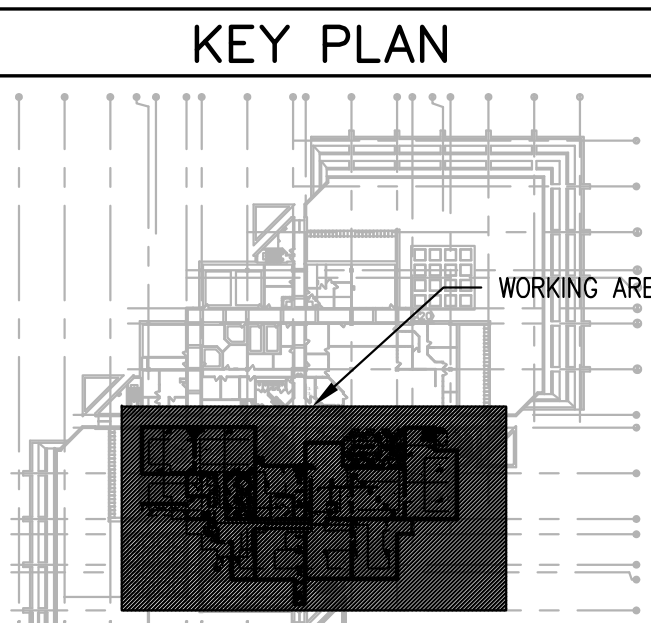
GENERAL NOTES

- THE INSTALLATION AND CALIBRATION WILL BE BY THE SOUND MASKING COMPANY AND HAS TO BE DONE ONCE ALL THE ACOUSTIC TILES ARE INSTALLED AND WHEN THERE IS NO ACTIVITY AND NO SOUND SOURCES IN THE BUILDING OTHER THAN NORMAL BACKGROUND NOISE SUCH AS VENTILATION NOISE. COORDINATE WORK WITH SOUND MASKING SUPPLIER.
- RUN LOW VOLTAGE CABLES ALONG THE SIDE OF COMMUNICATION CABLE TRAY AND CONDUITS. TIE CABLES TO CABLE TRAY OR CONDUIT AT MAXIMUM SPACING OF 1000mm. ELIMINATE LOOSE CABLE IN CEILING SPACE AS MUCH AS POSSIBLE.

DRAWING NOTES

- PROVIDE COMPLETE SOUND MASKING SYSTEM WHICH INCLUDES BUT NOT LIMITED TO:
 - CONTROLLERS IN CEILING SPACE;
 - PLENUM SPEAKERS IN OPEN OFFICE AREA;
 - PLENUM SPEAKERS IN CLOSED OFFICES, MEETING ROOMS, AND QUIET ROOMS;
 - SOUND SENSORS;
 - WIRING AND ALL FINAL CONNECTIONS;
 - CALIBRATION;
 - PROGRAMMING AND COMMISSIONING;
 - TRAINING.
 ALL DEVICES SHOULD BE FROM THE SAME MANUFACTURER. STANDARD OF ACCEPTANCE: SOFT DB ML48-8CH+SMS-STR-W+SMS-SEN.
- PROVIDE NEW CEILING RECEPTACLE FOR SOUND MASKING SYSTEM POWER SUPPLY. CONFIRM EXACT LOCATION ON SITE.

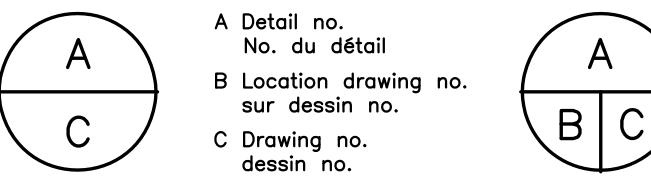
LEGEND	
SYMBOL	DESCRIPTION
	2X4 LUMINAIRE, TYPE AS SHOWN
	2X2 LUMINAIRE, TYPE AS SHOWN
	LIGHTING CONTROL TOGGLE SWITCH
	LIGHTING CONTROL ZONE, ZONE NUMBER AS SHOWN
	FIA HEAT DETECTOR
	EXISTING FIA HORN TO STAY
	ELECTRICAL PANEL
	120V, 15A DUPLEX RECEPTACLE
	120V, 15A DEDICATED RECEPTACLE
	CEILING RECEPTACLE
	DATA/VOICE OUTLET C/W CONDUIT AND CABLE
	FURNITURE POLE C/W POWER CIRCUITS AS SHOWN AND DATA/VOICE OUTLETS
	VOICE
	DATA
	DARK SOLID LINE DENOTES NEW OR RELOCATED
	LIGHT SOLID LINE DENOTES EXISTING TO REMAIN
	DARK DASHED LINE DENOTES DEMOLITION



0	FEB 17/2016	ISSUED FOR TENDER	CYC
No.	Date	Revision	By: Par:

Date Printed DD MM YYYY 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 M-55, PART THIRD FLOOR RENOVATION. M-60 ITS MOVE TO M-55

MONTREAL ROAD CAMPUS

drawing E05
 ELECTRICAL DEMOLITION LAYOUT

designed C.Y.C. conçu date FEB.2016 date

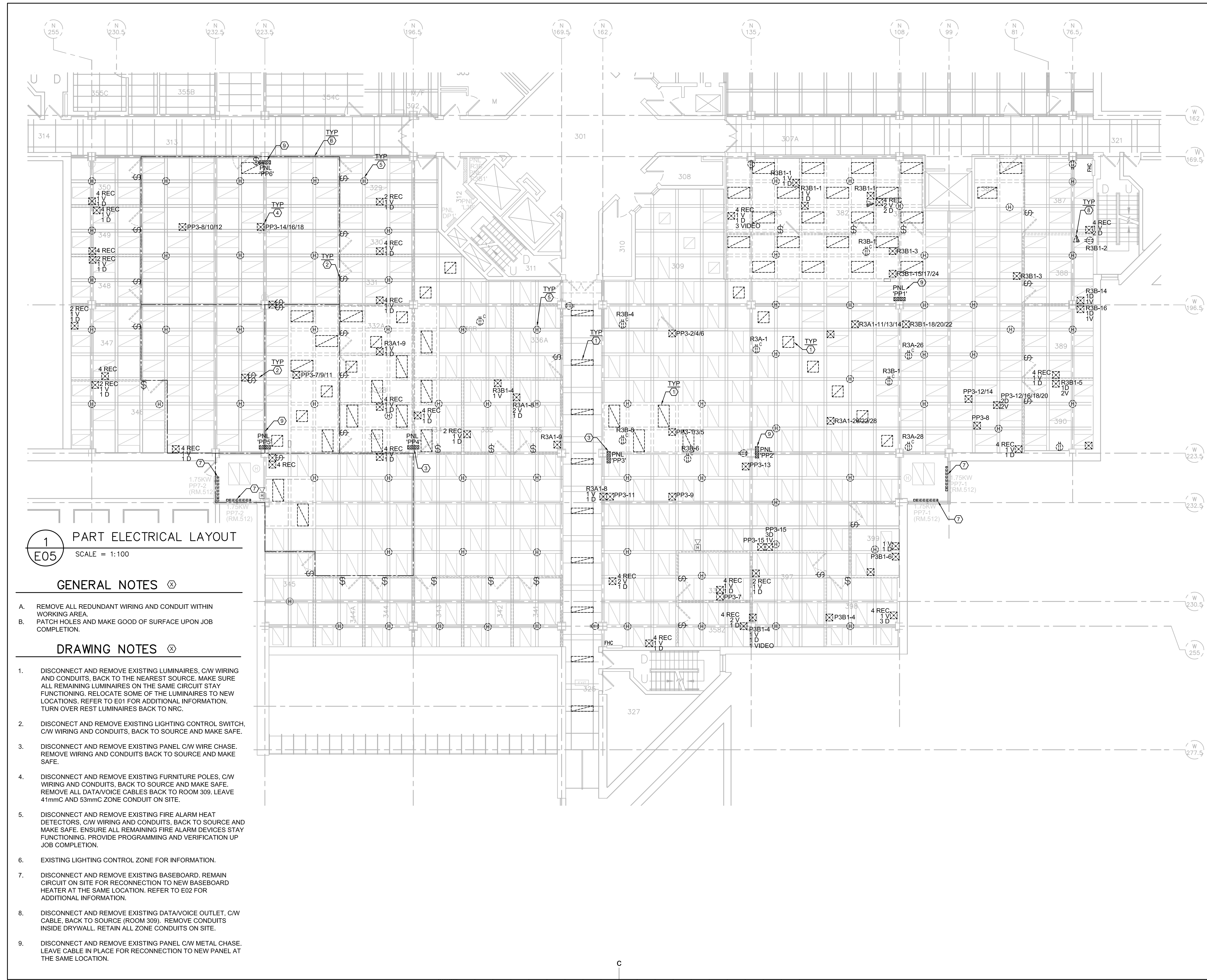
drawn C.Y.C. dessiné scale AS NOTED échelle

checked F.G. vérifié sheet E05 of/de 5 feuille

approved BV approuvé W.O.no. D.T.no.

dwg.no. 5130 - E05 dessin no.

5130 - E05



1 PART ELECTRICAL LAYOUT
 E05 SCALE = 1:100

GENERAL NOTES

- REMOVE ALL REDUNDANT WIRING AND CONDUIT WITHIN WORKING AREA.
- PATCH HOLES AND MAKE GOOD OF SURFACE UPON JOB COMPLETION.

DRAWING NOTES

- DISCONNECT AND REMOVE EXISTING LUMINAIRES, C/W WIRING AND CONDUITS, BACK TO THE NEAREST SOURCE. MAKE SURE ALL REMAINING LUMINAIRES ON THE SAME CIRCUIT STAY FUNCTIONING. RELOCATE SOME OF THE LUMINAIRES TO NEW LOCATIONS. REFER TO E01 FOR ADDITIONAL INFORMATION. TURN OVER REST LUMINAIRES BACK TO NRC.
- DISCONNECT AND REMOVE EXISTING LIGHTING CONTROL SWITCH, C/W WIRING AND CONDUITS, BACK TO SOURCE AND MAKE SAFE.
- DISCONNECT AND REMOVE EXISTING PANEL C/W WIRE CHASE. REMOVE WIRING AND CONDUITS BACK TO SOURCE AND MAKE SAFE.
- DISCONNECT AND REMOVE EXISTING FURNITURE POLES, C/W WIRING AND CONDUITS, BACK TO SOURCE AND MAKE SAFE. REMOVE ALL DATA/VOICE CABLES BACK TO ROOM 309. LEAVE 41mmC AND 53mmC ZONE CONDUIT ON SITE.
- DISCONNECT AND REMOVE EXISTING FIRE ALARM HEAT DETECTORS, C/W WIRING AND CONDUITS, BACK TO SOURCE AND MAKE SAFE. ENSURE ALL REMAINING FIRE ALARM DEVICES STAY FUNCTIONING. PROVIDE PROGRAMMING AND VERIFICATION UP JOB COMPLETION.
- EXISTING LIGHTING CONTROL ZONE FOR INFORMATION.
- DISCONNECT AND REMOVE EXISTING BASEBOARD. REMAIN CIRCUIT ON SITE FOR RECONNECTION TO NEW BASEBOARD HEATER AT THE SAME LOCATION. REFER TO E02 FOR ADDITIONAL INFORMATION.
- DISCONNECT AND REMOVE EXISTING DATA/VOICE OUTLET, C/W CABLE, BACK TO SOURCE (ROOM 309). REMOVE CONDUITS INSIDE DRYWALL. RETAIN ALL ZONE CONDUITS ON SITE.
- DISCONNECT AND REMOVE EXISTING PANEL C/W METAL CHASE. LEAVE CABLE IN PLACE FOR RECONNECTION TO NEW PANEL AT THE SAME LOCATION.