



Public Works
Government Services
Canada

Architectural and
Engineering Services

Ontario Region

Travaux publics
Services gouvernementaux
Canada

Services d'architecture
et de génie

Région de l'Ontario

X-Ray and Dental Rooms Collins Bay (Min) Building FF32N



Kingston Ontario
Correctional Service Canada
R.079534.002
Canada

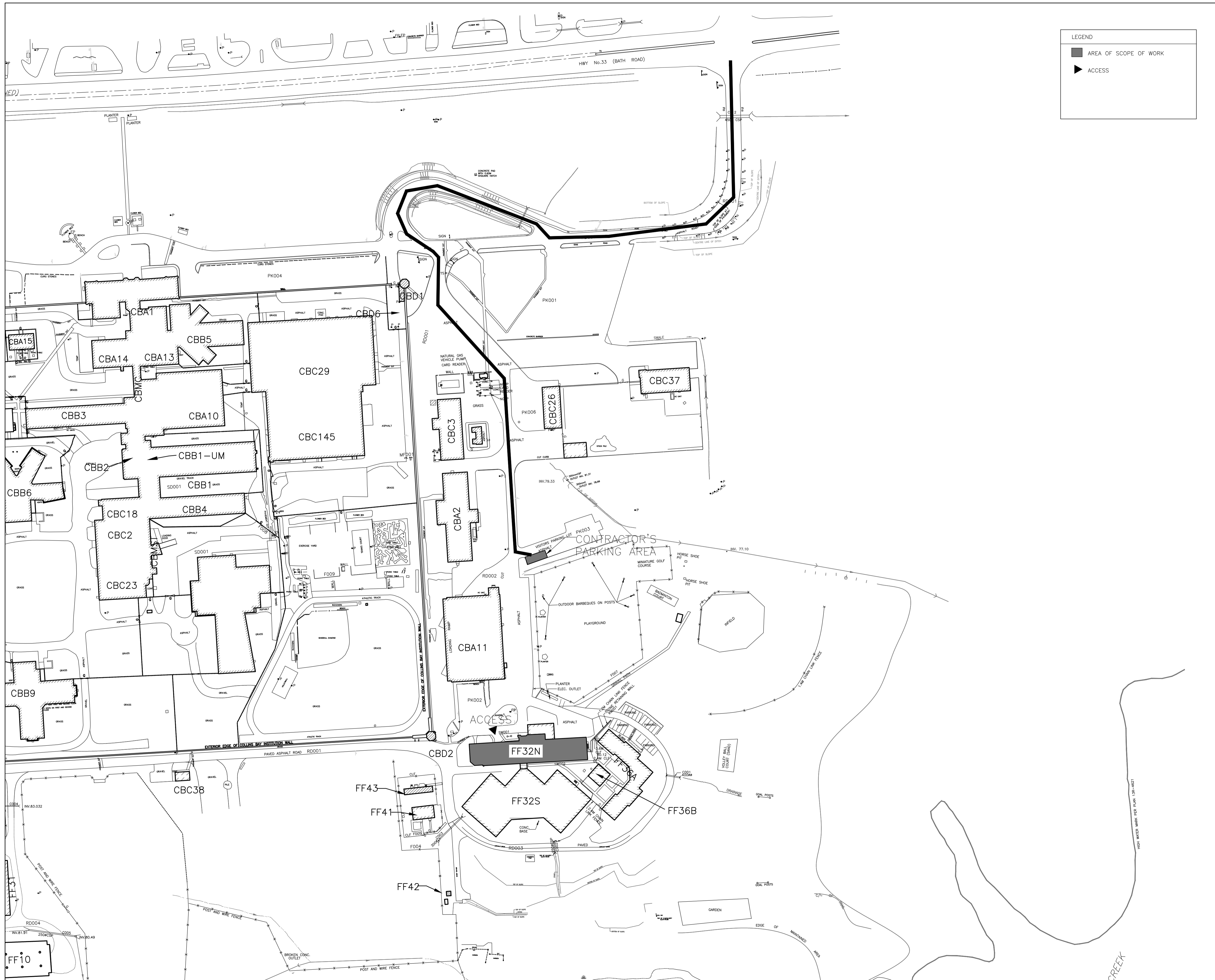
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ARCHITECTURAL
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LEGEND

- AREA OF SCOPE OF WORK
- ▶ ACCESS

DIALOG™



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revision		date

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

project title
 titre du projet
**KINGSTON
 CORRECTIONAL SERVICE CANADA
 1455 BATH RD, KINGSTON ON K7L 4V9**

**X-RAY AND DENTAL ROOMS,
 CBI (MIN)**

drawing title
 titre du dessin
OVERALL SITE PLAN

drawn by
 dessiné par A.T.

designed by
 conçu par A.T.

approved by
 approuvé par R.N.

lender
 soumission Y. KODAI project manager
 administrateur de projets

project date
 date du projet **2016-06-03**

project no.
 no. du projet **R.079534.002** DLG110377-02

drawing no.
 dessiné no. **A0-00A**

1 OVERALL SITE PLAN
 A0-00A SCALE: NTS



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FLOOR FINISH LEGEND

(T) TRANSITION STRIP

FLOOR FINISH SCHEDULE

(FF-1) VINYL SHEET FLOORING

WALL FINISH SCHEDULE

(PT-1) PAINT 1: TO BE SELECTED BY THE DEPARTMENTAL REPRESENTATIVE
(PT-2) PAINT 2: TO BE SELECTED BY THE DEPARTMENTAL REPRESENTATIVE

WALL BASE SCHEDULE

(B-) 100mm RESILIENT BASE

LIFE SAFETY LEGEND

--- 45M MAX TRAVEL DISTANCE

ABBREVIATION LEGEND

⊙	AT	INSUL	INSULATION
AFF	ABOVE FINISHED FL	HT	HEIGHT
APPROX	APPROXIMATE	MAX	MAXIMUM
ARCH	ARCHITECTURAL	MIN	MINIMUM
AVG	AVERAGE	MISC	MISCELLANEOUS
B/O	BOTTOM OF	NA	NON APPLICABLE
BLDG	BUILDING	NIC	NOT IN CONTRACT
C/C	CENTRE-TO-CENTRE	NO.	NUMBER
CJ	CONTROL JOINT	NTS	NOT TO SCALE
CL	CENTRE LINE	PT	PAINT
CLG	CEILING	QTY	QUANTITY
COL	COLUMN	RCP	REFLECTED CEILING PLAN
CONC	CONCRETE	RWL	RAIN WATER LEADER
CONT	CONTINUOUS	SIM	SIMILAR
DIA	DIAMETER	SM	SQUARE METER
DIM	DIMENSION	SPEC	SPECIFICATION
DN	DOWN	T/O	TOP OF
DWG	DRAWING	TBD	TO BE DETERMINED
ELEV	ELEVATION	TYP.	TYPICAL
EQ	EQUAL	UNO.	UNLESS NOTED OTHERWISE
FRR	FIRE RESISTANCE RATING	U/S	UNDERSIDE
GALV	GALVANIZED	W/	WITH

SYMBOLS LEGEND

xxxxxx
T/O

DRAWING NUMBER

SHEET NUMBER

GRID

ROOM NAME

ROOM NUMBER

FINISH ELEVATION

SECTION/ELEVATION

GRID NUMBER AND GRID LINE

ROOM NAME AND NUMBER

DIMENSION LINE (MILLIMETERS, UNLESS OTHERWISE NOTED)

15.00

DETAIL TAG WITH CALL OUT

INTERIOR PARTITION SCHEDULE

(P1) (STC: 49)
- 16mm GYPSUM WALL BOARD
- 92mm MIN. 20 GAUGE METAL STUDS
- Ⓟ MAX 400mm O.C.
- 92mm ACOUSTICAL INSULATION
- 16mm GYPSUM WALL BOARD

(P2) (STC: 54)
- 16mm GYPSUM WALL BOARD
- MIN. 20 GAUGE 92mm METAL STUDS
- Ⓟ MAX 400mm O.C.
- 92mm ACOUSTIC INSULATION
- HORIZONTAL RESILIENT CHANNELS
- 400mm O.C. ONE SIDE
- 16mm ACOUSTICALLY ENHANCED GYPSUM BOARD
- 16mm GYPSUM WALL BOARD

(P3) (STC: -)
- 16mm GYPSUM WALL BOARD
- 92mm MIN. 20 GAUGE METAL STUDS Ⓟ MAX 400mm O.C.
- 92mm ACOUSTIC INSULATION
- 16mm LEAD LINED GYPSUM WALL BOARD
- GYPSUM WALL BOARD SCREWS TO BE INSTALLED WITH 9.5mm DIA LEAD DISC
- 50mm WIDE LEAD STRIPS WITH SAME THICKNESS AS LEAD LINING FOR LAPPING Ⓟ VERTICAL JOINTS

NOTE: ALL STUD ASSEMBLY TO SPAN TO U/S OF DECK OR STRUCTURE

FLOOR PLAN LEGEND

NEW DOOR NUMBER
NEW DOOR, DOORFRAME AND HARDWARE
NEW WALL PARTITION
EXISTING WALL TO REMAIN
NEW WINDOW SHADE REFER TO SPECIFICATIONS

DEMOLITION FLOOR PLAN LEGEND

EXISTING DOOR, DOORFRAME AND HARDWARE TO BE REMOVED
EXISTING WALL PARTITION TO BE REMOVED
EXISTING WALL PARTITION TO REMAIN

DEMOLITION CEILING PLAN LEGEND

EXISTING CEILING TILE TO BE DEMOLISHED
EXISTING LIGHTING TO BE DEMOLISHED
EXISTING DIFFUSERS TO BE DEMOLISHED
EXISTING RETURN AIR TO BE DEMOLISHED

CEILING SCHEDULE

(ACT-1) EXISTING CEILING TILE
(ACT-2) 610X1220mm NEW ACOUSTICAL CEILING TILE WITH SUSPENSION SYSTEM

REFLECTED CEILING PLAN LEGEND

CEILING HEIGHT
NEW LIGHTING REFER TO ELECTRICAL DWG FOR DETAILS
NEW DIFFUSERS REFER TO MECHANICAL DWG FOR DETAILS
NEW RETURN AIR REFER TO MECHANICAL DWG FOR DETAILS

GENERAL CONSTRUCTION NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. REPORT DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE FOR CLARIFICATION. DO NOT PROCEED WITHOUT CLARIFICATION IN SUCH CIRCUMSTANCES.
- BE RESPONSIBLE FOR FIELD MEASUREMENTS AND DIMENSIONS, REPORT DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE FOR CLARIFICATION.
- NEW PARTITIONS TO BE FIXED DIRECTLY TO CLEAN CONCRETE SLAB. PARTITIONS TO BE TAPED, SANDED SMOOTH AND MADE READY TO RECEIVE FINISHES. ALL GYPSUM TO BE PAINTED UNLESS NOTED OTHERWISE
- ENSURE SUFFICIENT BLOCKING IS PROVIDED IN AREAS REQUIRING SUPPORT OF THE PARTITION OR CEILING FOR MOUNTED EQUIPMENT OR MATERIAL
- ENSURE FLOOR IS LEVEL PRIOR TO CONSTRUCTION OF PARTITION. PROVIDE SKIM COAT IF NECESSARY, VARIANCE NOT TO EXCEED 6mm.
- ENSURE ACOUSTICAL CAULKING IS PROVIDED AT PARTITION CONNECTIONS TO FINISHED CEILING, FLOOR SLAB AND UNDERSIDE OF STRUCTURE.
- ALL MATERIALS USED SHALL BE NEW UNLESS OTHERWISE NOTED.
- LOCATIONS WHERE BASE BUILDING PARTITIONS OR COLUMNS ARE TO RECEIVE ELECTRICAL CONDUIT AND BOXES, BE RESPONSIBLE FOR FURRING, CUTTING, PATCHING AND FINISHING AS PER SPECIFICATIONS AT COMPLETION OF ELECTRICAL WORK.
- ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES MUST BE FIRE-STOPPED WITH APPROVED MATERIAL OR SYSTEM

DEFINITIONS

- REMOVE: REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED, SALVAGED OR TO REMAIN THE DEPARTMENTAL REPRESENTATIVE'S PROPERTY
- REMOVE AND REINSTALL: REMOVED ITEMS INDICATED, CLEAN, SERVICE AND OTHERWISE PREPARE THEM FOR REUSE; STORE AND PROTECT AGAINST DAMAGE; REINSTALL ITEMS IN THE SAME LOCATION OR IN LOCATIONS INDICATED ON DRAWINGS OR AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE.
- EXISTING TO REMAIN: PROTECT CONSTRUCTION TO REMAIN AGAINST DAMAGE DURING SELECTIVE DEMOLITION.
- MAKE GOOD: PATCH, REPAIR, RESURFACE, PAINT, FINISH TO SAME STANDARD AS ADJACENT SURFACES.

DEMOLITION NOTES

EXECUTION

- REMOVE ALL FLOOR FINISHES IN AREAS OF WORK AND REMOVE ALL EXISTING IRREGULAR MATERIALS WHICH CAUSE RISES OR DEPRESSIONS IN FLOORING SURFACES, SUCH AS FASTENERS, OUTLET CORES, COVER PLATES, RESILIENT FLOOR COVERINGS, CARPET, CARPET PAD, FLASH PATCH, CONCRETE FILL, PLYWOOD, ETC.
- CORE OR SAWCUT EXISTING CONCRETE FLOOR FOR NEW UTILITIES WHERE REQUIRED. REFER TO MECHANICAL & ELECTRICAL DRAWINGS FOR MORE INFORMATION.

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CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9
**X-RAY AND DENTAL ROOMS,
CBI (MIN)**

LEGENDS, SCHEDULES AND ABBREVIATIONS

drawn by
dessiné par A.T.

designed by
conc par A.T.

approved by
approuvé par R.N.

tender
soumission Y. KODAI

project manager
administrateur de projets

project date
date du projet 2016-06-03

project no.
no. du projet DLG11037T-02
R.079534.002

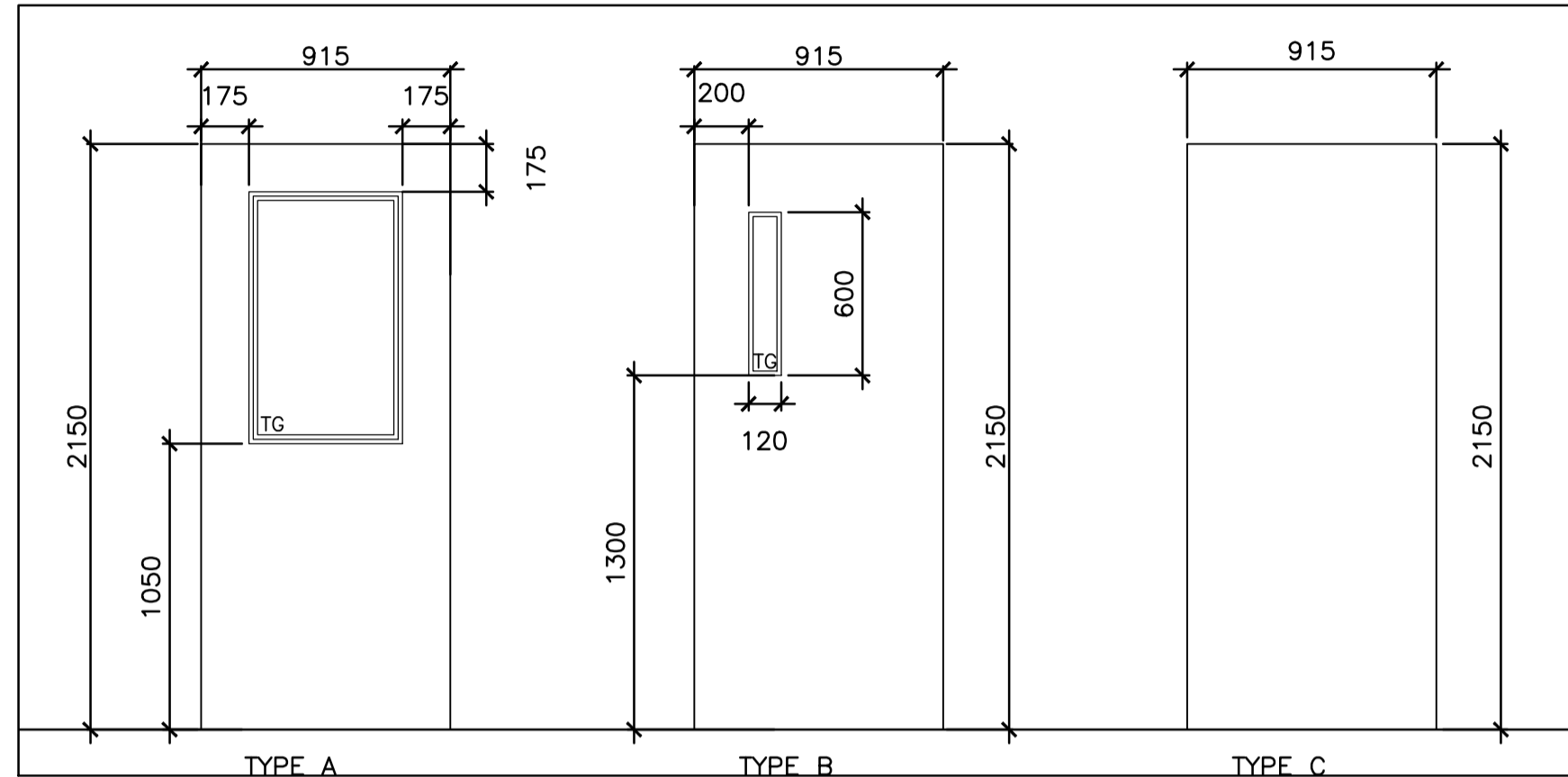
drawing no.
dessiné no. A0-01

DOOR DESCRIPTION AND ROOM NAME			DOORS							FRAMES					GENERAL		
DOOR NO.	ROOM NO.	ROOM NAME	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	GLASS	NEW/EXT.	MATERIAL	FINISH	TYPE	NEW/EXT.	JAMB	HARDWARE	FRR	COMMENTS
D201	201	EXISTING CORRIDOR	915	2150	B	HM	PAINT	FG	NEW	HM	PAINT	F2	NEW	J4	#1		CD, LM, M
D201A	201	EXISTING CORRIDOR	915	2150	B	HM	PAINT	FG	NEW	HM	PAINT	F2	NEW	J4	#1		CD, LM, M
D240	240	X-RAY SUITE	915	2150	C	LLHM	PAINT	FG	NEW	LLHF	PAINT	F1	NEW	J1	#1		CD, SG, LM, M
D240A	240A	VESTIBULE	915	2150	B	HM	PAINT	TG	NEW	HM	PAINT	F1	NEW	J1	#1		CD, SG, LM, M
D242	242	NURSING STATION	915	2150	C	HM	PAINT		NEW	HM	PAINT	F1	NEW	J1	#1		CD, SG, LM, M
D242A	242A	STORAGE ROOM	915	2150	C	HM	PAINT		NEW	HM	PAINT	F1	NEW	J1	#2		CD, SG, LM, M
D243-E	243	DENTAL TREATMENT	915	2150	A	HM	PAINT	TG	EXISTING	PSF	PAINT	F1	EXISTING	J3	EXISTING		
D243B	243B	STORAGE ROOM	915	2150	C	HM	PAINT		NEW	HM	PAINT	F1	NEW	J2	#2		CD, SG, LM, M

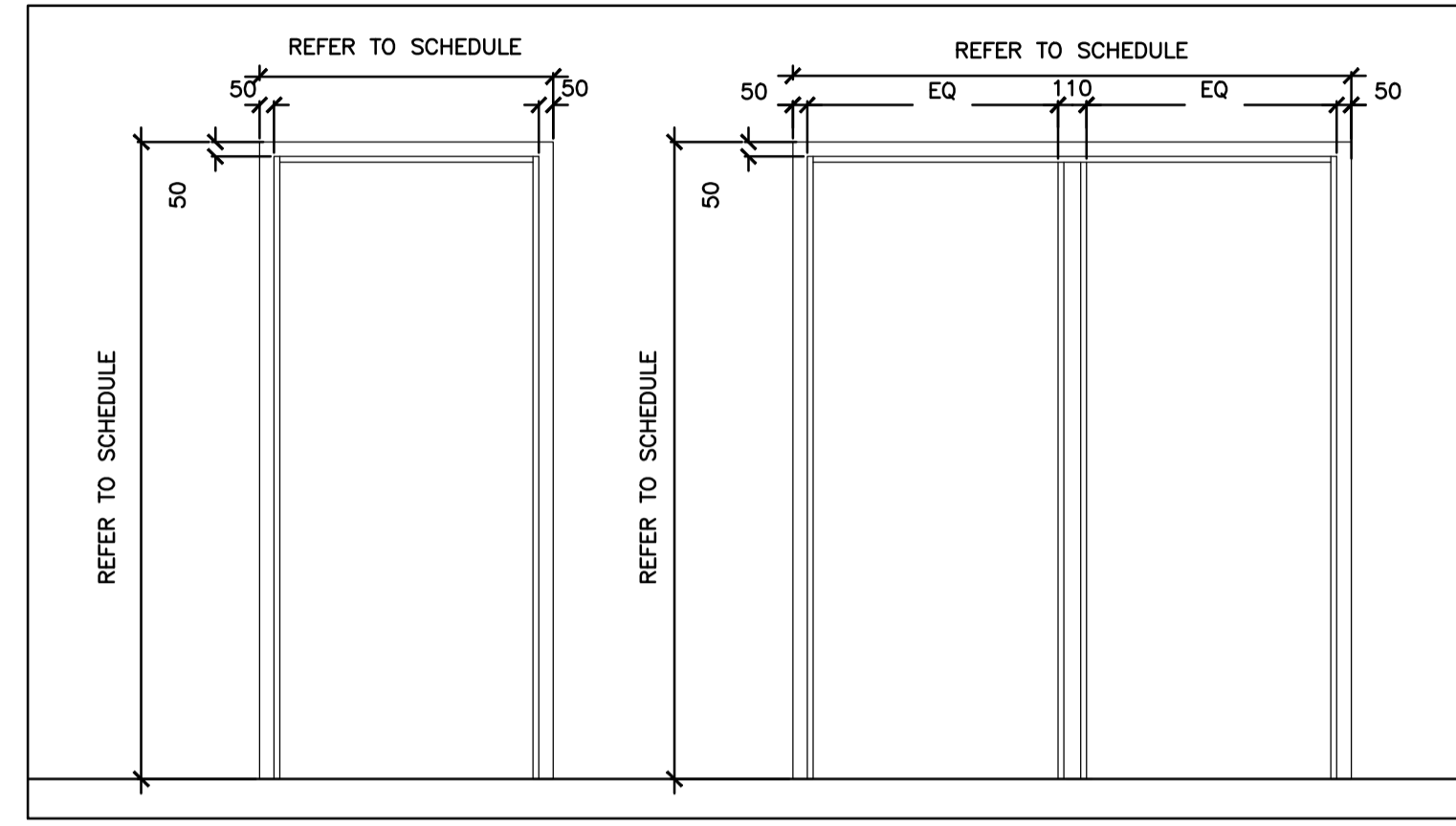
DOOR & FRAME SCHEDULE NOTES

- PROVIDE PAINT TO ALL NEW AND EXISTING DOORS
- PROVIDE PAINT TO ALL NEW AND EXISTING FRAMES
- PROVIDE NEW HARDWARE FOR ALL DOORS AS SPECIFIED
- CONTRACTOR TO VERIFY THAT CONDITION OF ALL DOORS TO BE RETAINED ARE IN SATISFACTORY CONDITIONS. ANY DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF THE DEPARTMENTAL REPRESENTATIVE

1 DOOR AND HARDWARE SCHEDULE
SCALE: NTS



2 DOOR TYPES ELEVATIONS
SCALE: 1:25



3 DOOR FRAME ELEVATIONS
SCALE: 1:25

LEGEND

ACT ACOUSTICAL CEILING TILE
HM HOLLOW METAL FRAME
FG FIRE RATED GLASS
LLHF LEAD LINED HOLLOW METAL FRAME
LLHM LEAD LINED HOLLOW METAL DOOR
LLGL LEAD LINED GLAZING
PSF PRESSED STEEL FRAME
SCW SOLID CORE WOOD

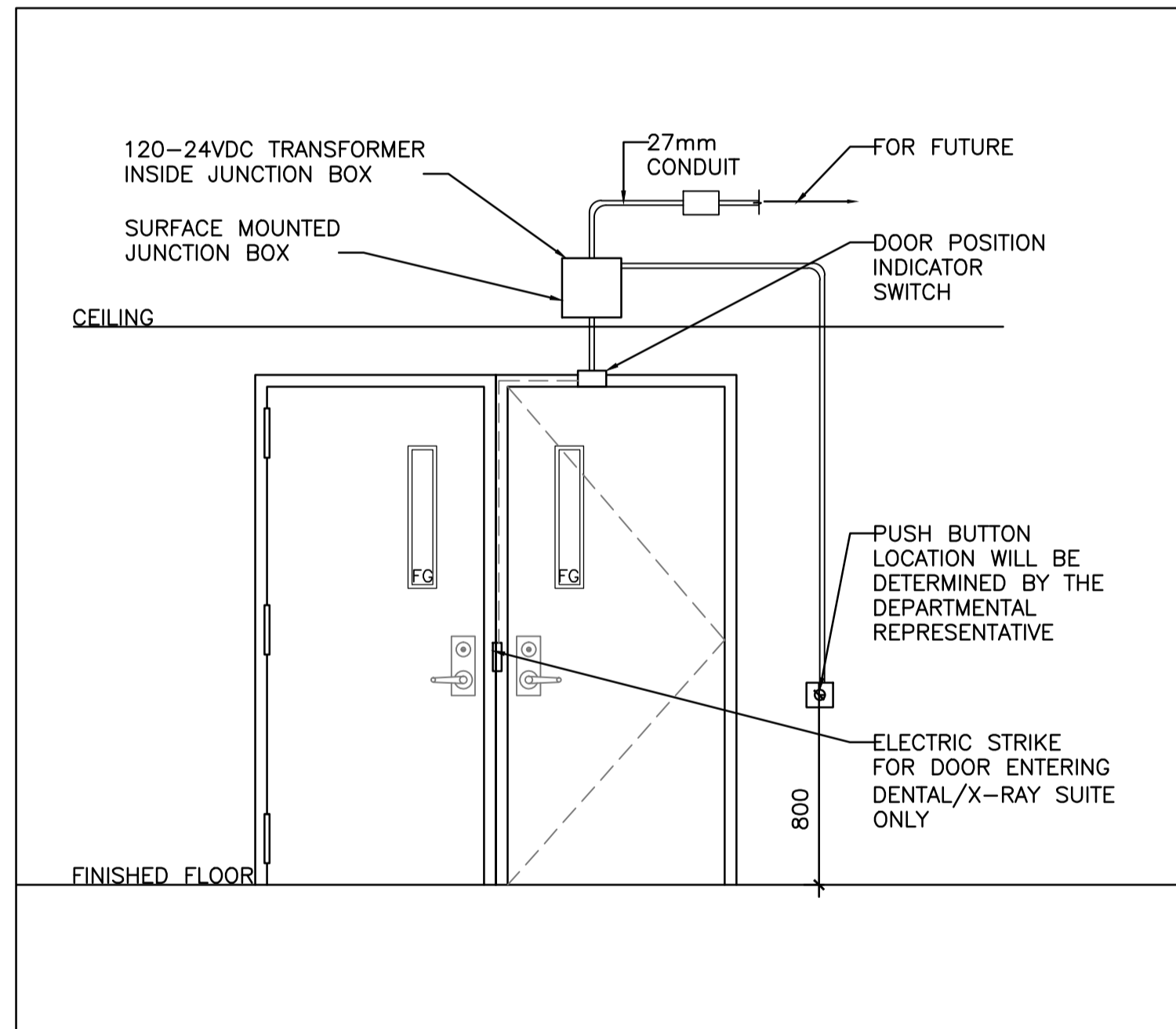
SG SWING DOOR

LM MANUAL LOCK
LE ELECTRIC LOCK

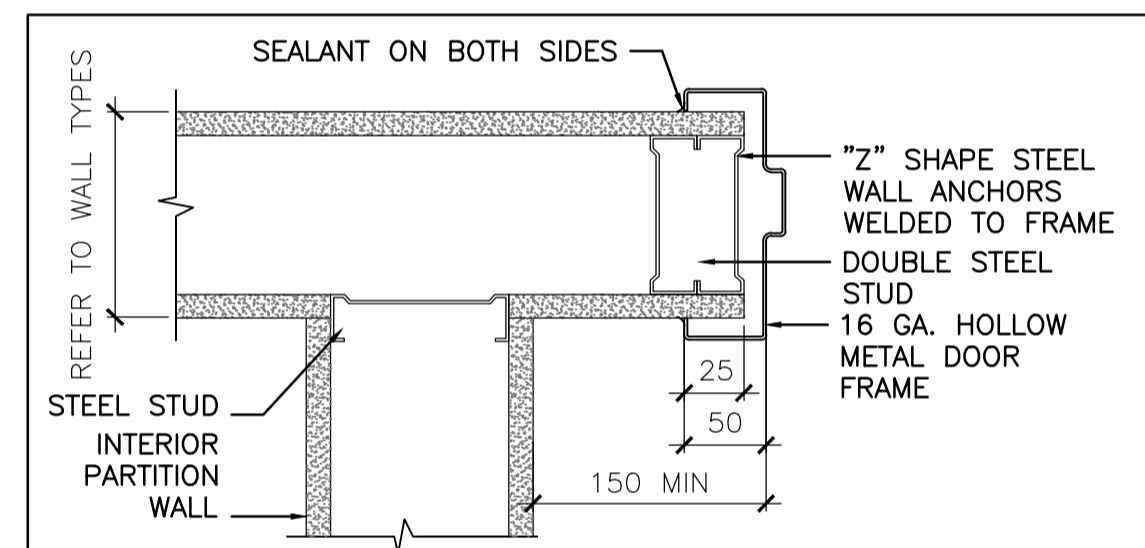
M MANUAL

DD1 DETENTION DOORS - SWING
CD COMMERCIAL DOORS

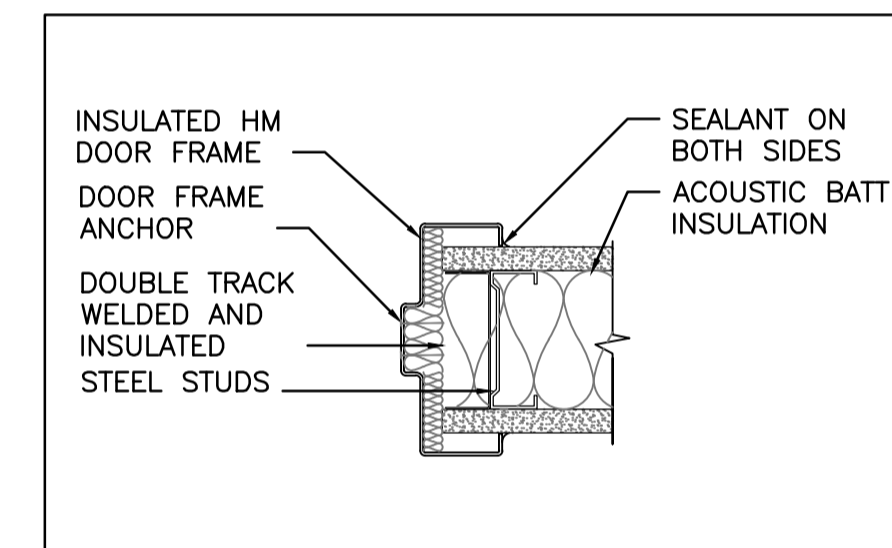
TG TEMPERED SAFETY GLASS



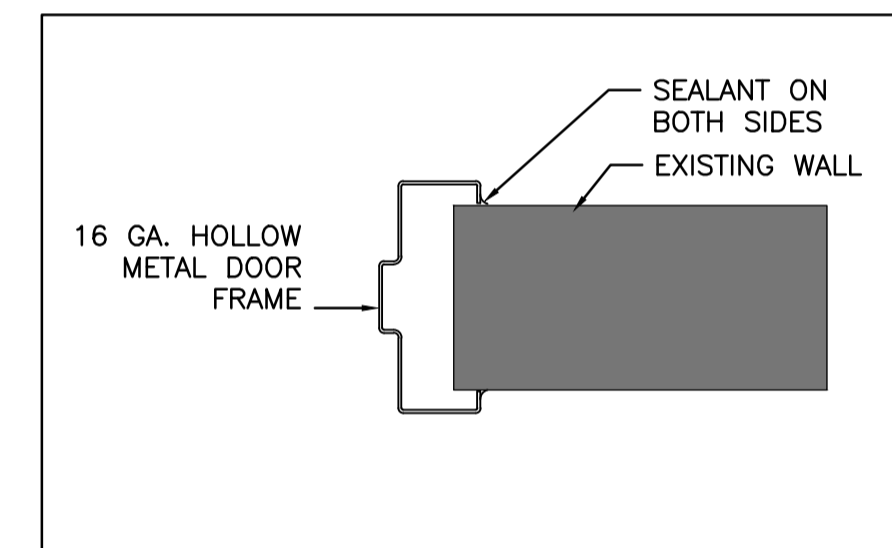
4 CORRIDOR DOOR SECURITY
SCALE: 1:25



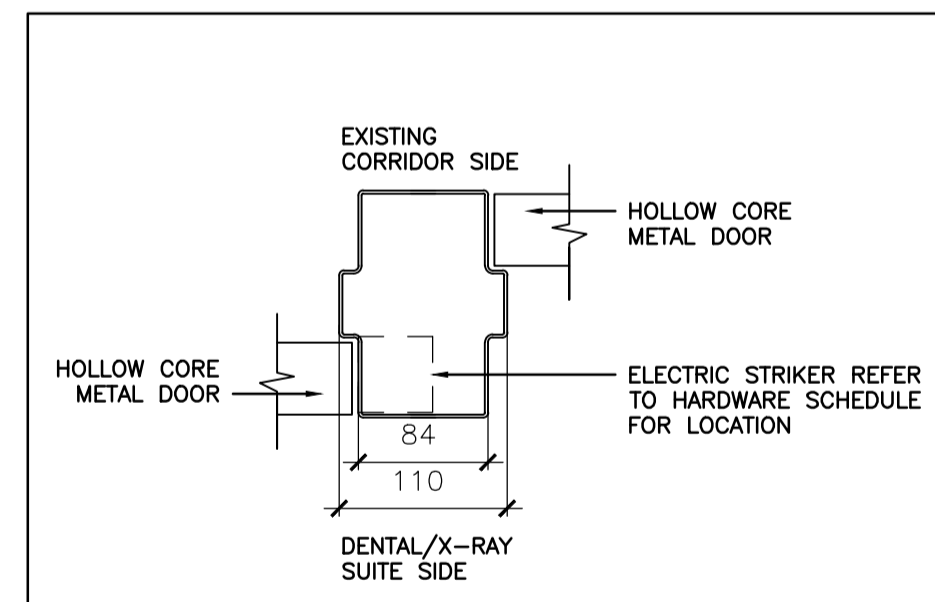
5 J1 JAMB AT INTERIOR WALL
SCALE: 1:5



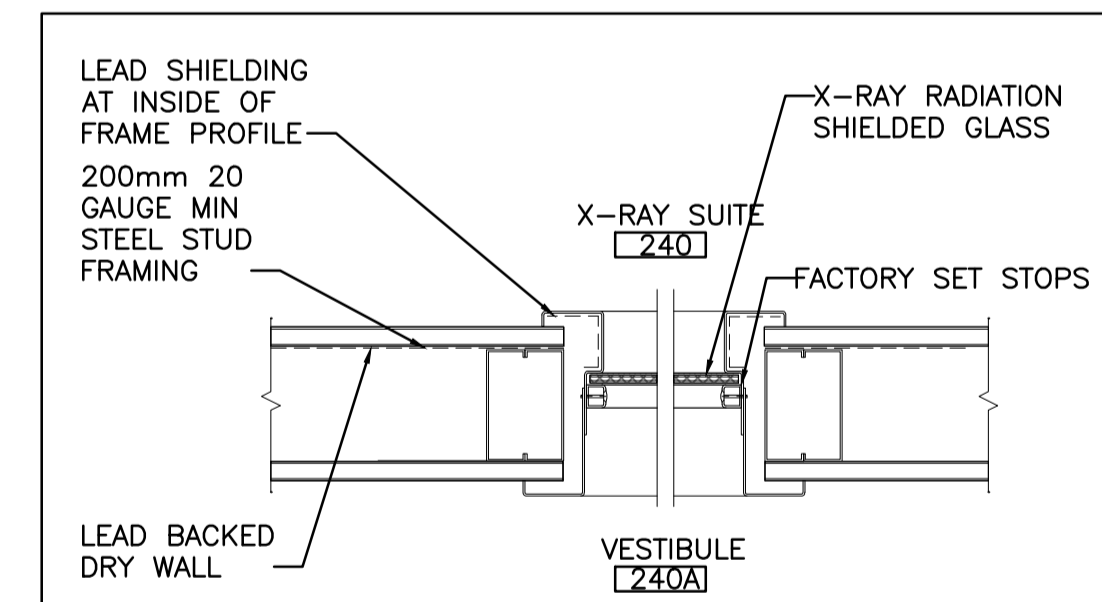
6 J2 SOUND RATED JAMB
SCALE: 1:5



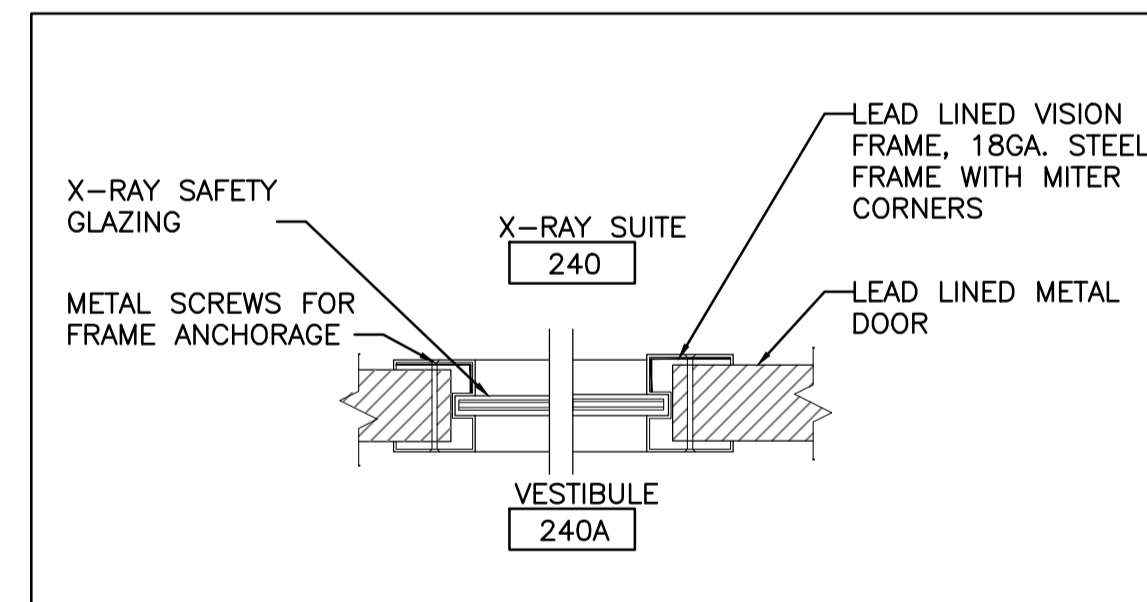
7 J3 JAMB AT EXISTING WALL
SCALE: 1:5



8 J4 JAMB AT CORRIDOR DOOR
SCALE: 1:5



9 SHIELDED WINDOW
SCALE: 1:10



10 SHIELDED DOOR WITH WINDOW
SCALE: 1:5

DOOR HARDWARE GROUP NO. #1

FOR USE ON MARK/DOOR #(S):
D201, D201A, D240, D240A

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	3CB1 127 X 114 (A8112)	652	ANSI
1 EA	OFFICE LOCK	L9056L 03B L583-363	626	SCH
1 EA	PRIMUS UL437-XP CYLINDER	20-587-XP EV29 T	626	SCH
1 EA	SURFACE CLOSER	1461 REG (C02011/C02041 PT-4A, PT-4C, PT-4D, PT-4F, PT-4H)	689	ANSI
1 EA	WALL STOP	WS401/402CVX (L12101)	626	ANSI
1 EA	SOUND SEAL	#485A (1XW 2XH)	A	ZER
1 EA	DOOR BOTTOM (SURFACE)	365AA6 X DR WIDTH	AA	ZER

DOOR HARDWARE GROUP NO. #2

FOR USE ON MARK/DOOR #(S):
D242A, D243B

PROVIDE EACH SGL DOOR(S) WITH THE FOLLOWING:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3 EA	HINGE	3CB1 127 X 114 (A8112)	652	ANSI
1 EA	STOREROOM LOCK	L9080L 03B (F07)	626	ANSI
1 EA	PRIMUS UL437-XP CYLINDER	20-587-XP EV29 T	626	SCH
1 EA	SURFACE CLOSER	4041 DEL REG (C02UNKNOWN1 PT-4A, PT-4C, PT-4D, PT-4H)	689	ANSI
1 EA	KICK PLATE	CBH 903 200 X SIZE TO SUIT	630	CBH
1 EA	WALL STOP	WS401/402CVX (L12101)	626	ANSI

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C	drawing no. - where detailed dessin no. - où détaillé

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approved by
approuvé par
R.N.

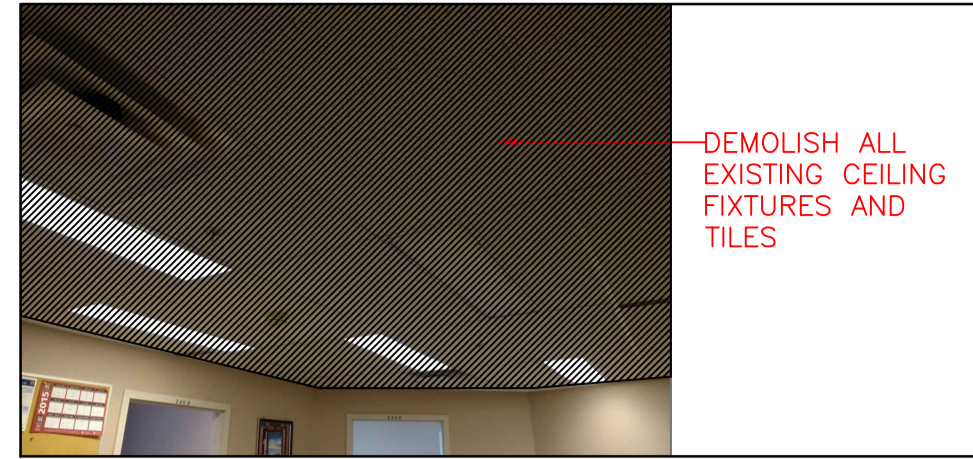
lender
soumission
Y. KODAI

project manager
administrateur
de projets

project date
date du projet
2016-06-03

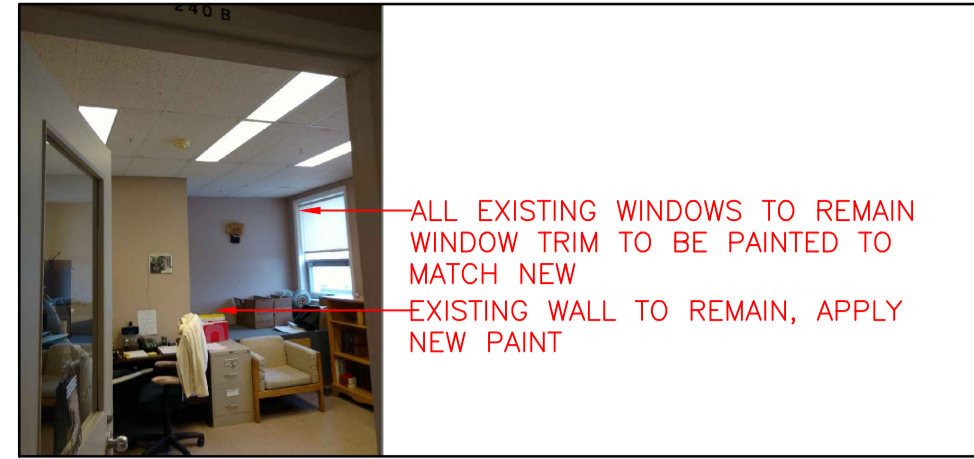
project no.
no. du projet
R.079534.002

drawing no.
dessiné no.
A0-02



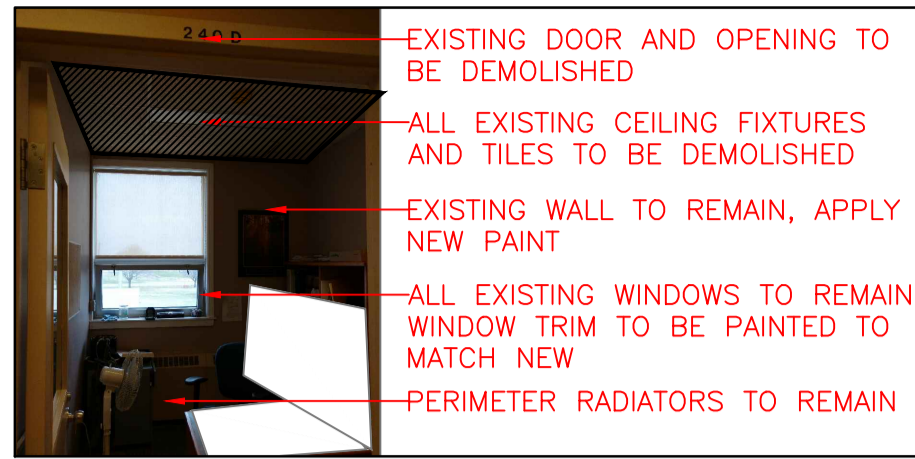
DEMOLISH ALL EXISTING CEILING FIXTURES AND TILES

3 EXISTING RM 240 CEILING
A2-00 SCALE: 1:50



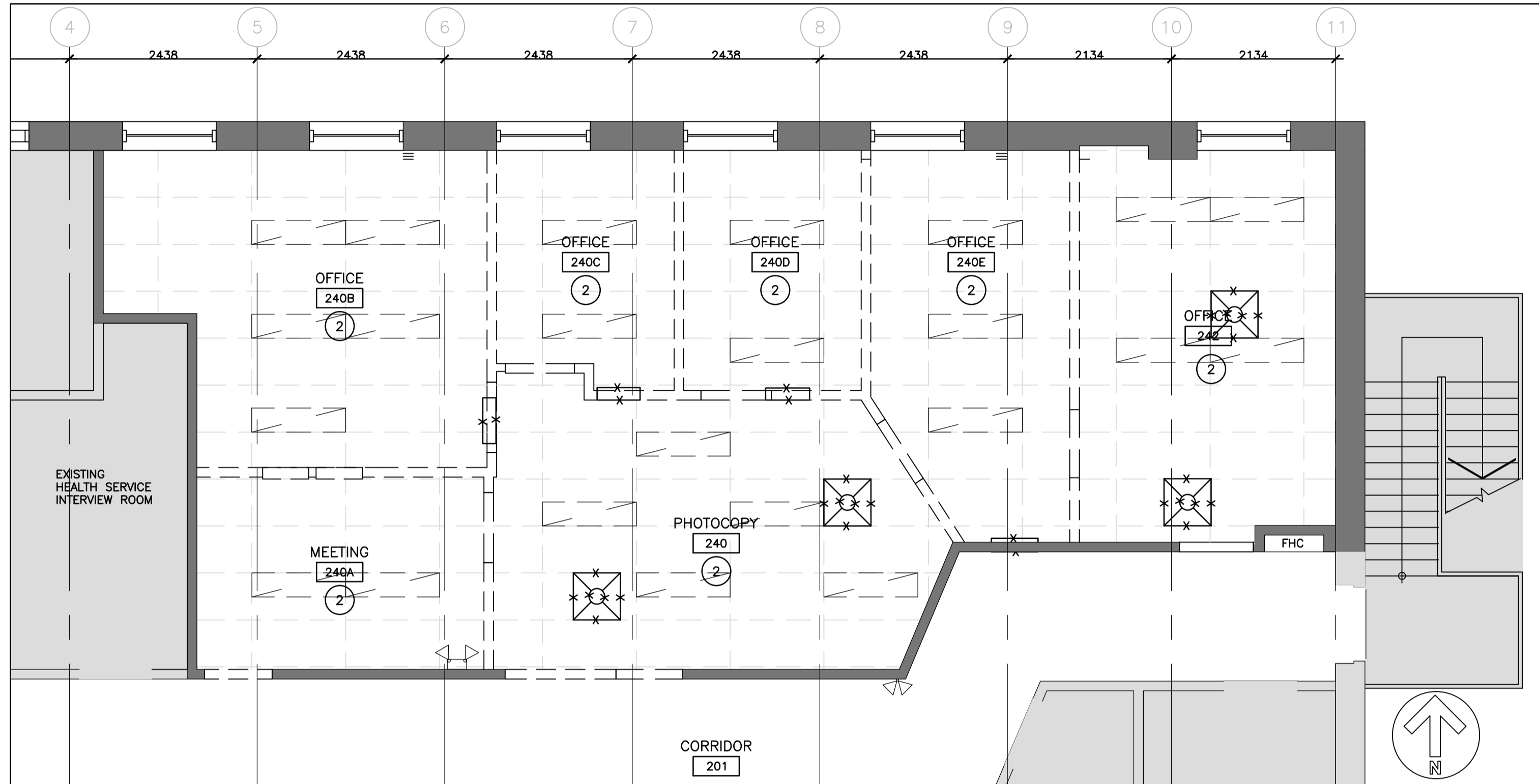
ALL EXISTING WINDOWS TO REMAIN WINDOW TRIM TO BE PAINTED TO MATCH NEW
EXISTING WALL TO REMAIN, APPLY NEW PAINT

4 EXISTING RM 240B
A2-00 SCALE: 1:50

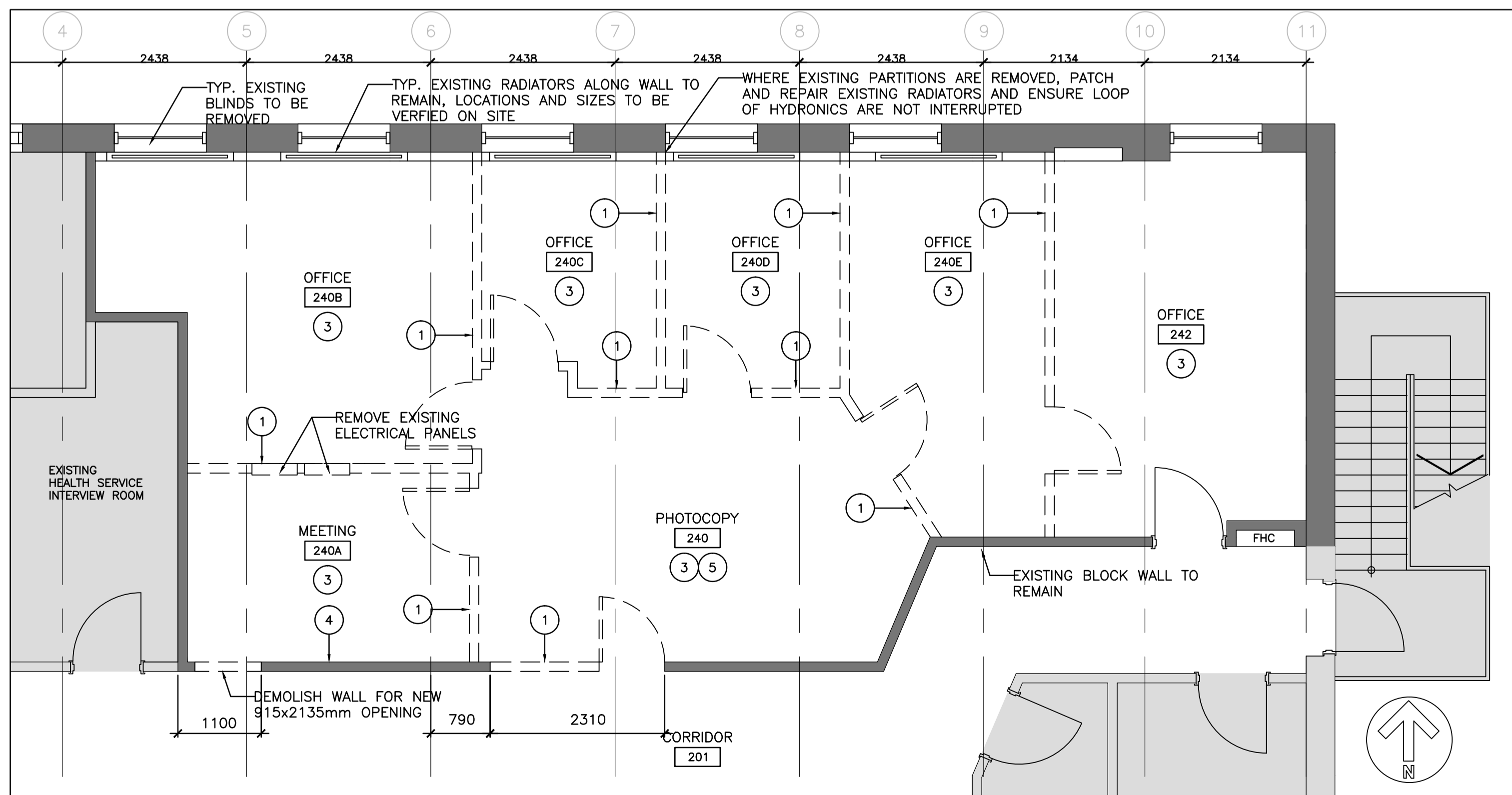


EXISTING DOOR AND OPENING TO BE DEMOLISHED
ALL EXISTING CEILING FIXTURES AND TILES TO BE DEMOLISHED
EXISTING WALL TO REMAIN, APPLY NEW PAINT
ALL EXISTING WINDOWS TO REMAIN WINDOW TRIM TO BE PAINTED TO MATCH NEW
PERIMETER RADIATORS TO REMAIN

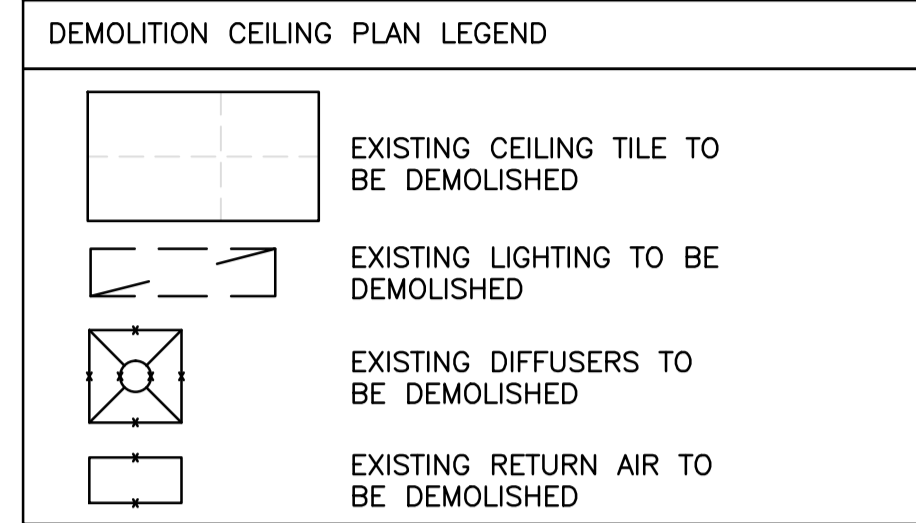
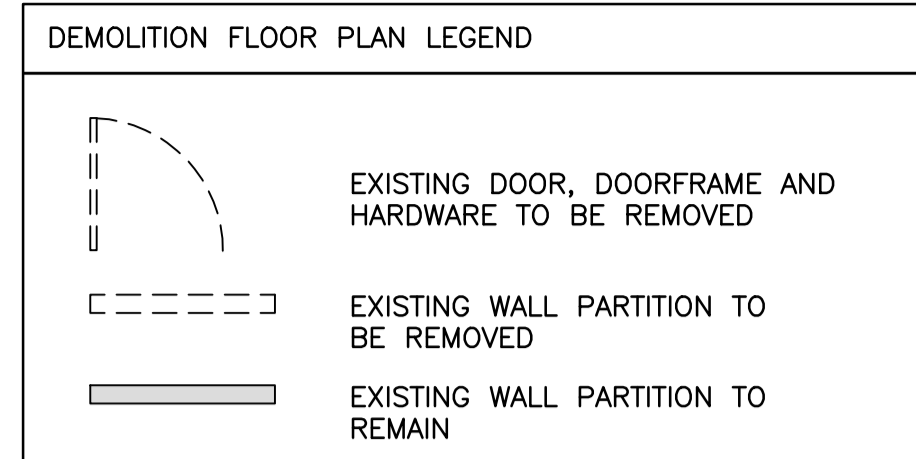
5 EXISTING RM 240D
A2-00 SCALE: 1:50



2 DEMOLITION REFLECTED CEILING PLAN
A2-00 SCALE: 1:50



1 DEMOLITION PLAN
A2-00 SCALE: 1:50



DEFINITIONS
1. REMOVE: REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED, SALVAGED OR TO REMAIN THE DEPARTMENTAL REPRESENTATIVE'S PROPERTY
2. REMOVE AND REINSTALL: REMOVED ITEMS INDICATED, CLEAN, SERVICE AND OTHERWISE PREPARE THEM FOR REUSE; STORE AND PROTECT AGAINST DAMAGE; REINSTALL ITEMS IN THE SAME LOCATION OR IN LOCATIONS INDICATED ON DRAWINGS OR AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE.
3. EXISTING TO REMAIN: PROTECT CONSTRUCTION TO REMAIN AGAINST DAMAGE DURING SELECTIVE DEMOLITION.
4. MAKE GOOD: PATCH, REPAIR, RESURFACE, PAINT, FINISH TO SAME STANDARD AS ADJACENT SURFACES.

DEMOLITION NOTES
EXECUTION
1. REMOVE ALL FLOOR FINISHES IN AREAS OF WORK AND REMOVE ALL EXISTING IRREGULAR MATERIALS WHICH CAUSE RISES OR DEPRESSIONS IN FLOORING SURFACES, SUCH AS FASTENERS, OUTLET CORES, COVER PLATES, RESILIENT FLOOR COVERINGS, CARPET, CARPET PAD, FLASH PATCH, CONCRETE FILL, PLYWOOD, ETC.
2. CORE OR SAWCUT EXISTING CONCRETE FLOOR FOR NEW UTILITIES WHERE REQUIRED. REFER TO MECHANICAL & ELECTRICAL DRAWINGS FOR MORE INFORMATION.

DEMOLITION KEYNOTES
DEMO KEY NOTES TO BE READ IN CONJUNCTION WITH ALL DOCUMENTS INCLUDING ARCHITECTURAL, MECHANICAL, ELECTRICAL AND DRAWINGS AND SPECIFICATIONS.
1. REMOVE EXISTING INTERIOR WALL PARTITIONS INCLUDING CLADDING, SUPPORTING STRUCTURE, DOORS, AND SIMILAR ITEMS FROM FLOOR TO STRUCTURE ABOVE. CONTRACTOR SHALL ASSUME THAT MANY PARTITIONS ARE FROM ORIGINAL CONSTRUCTION. WORK SHALL INCLUDE REMOVAL OF T&B PLATES AND INFILL OF ANY DEPRESSIONS IN FLOOR AFTER REMOVAL OF PLATES.
2. REMOVE EXISTING CEILINGS: SUSPENDED ACOUSTIC TILE AND GRID SYSTEM AND SUSPENDED GYPSUM BOARD CEILINGS. REMOVE ALL FRAMING ABOVE FOR SUSPENDED CEILINGS. REMOVE THE REMAINDER OF THE ORIGINAL SUSPENDED CEILING SYSTEM FROM UNDERSIDE OF STEEL STRUCTURE.
3. REMOVE EXISTING VINYL TILE INCLUDING ADHESIVE FROM EXISTING CONCRETE FLOOR SLAB. PREPARE EXISTING CONCRETE SUBSTRATE TO ACCEPT NEW FLOORING.
4. REMOVAL OF EXISTING FINISHES TO EXPOSE THE STRUCTURAL SYSTEM
5. ASSUMED FLOOR CONSTRUCTION CONCRETE TOPPING ON STEEL PAN DECKING ON O.W.S.J. WITH SUSPENDED CEILING BELOW



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revision	description	date
04	BID	2017-07-14
03	99% CD	2017-03-10
02	50% CD	2016-11-04
01	PROGRESS REVIEW	2016-09-07

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Detail No.	No. du détail
A	drawing no. - where detail required
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	dessin no. - où détaillé

project title
titre du projet
KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9
X-RAY AND DENTAL ROOMS, CBI (MIN)

drawing title
titre du dessin
DEMOLITION FLOOR AND REFLECTED CEILING PLAN

drawn by
dessiné par A.T

designed by
conçu par A.T

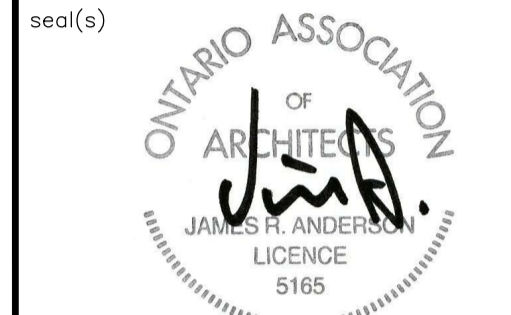
approved by
approuvé par R.N.

submitter
soumission Y. KODAI

project date
date du projet 2016-06-03

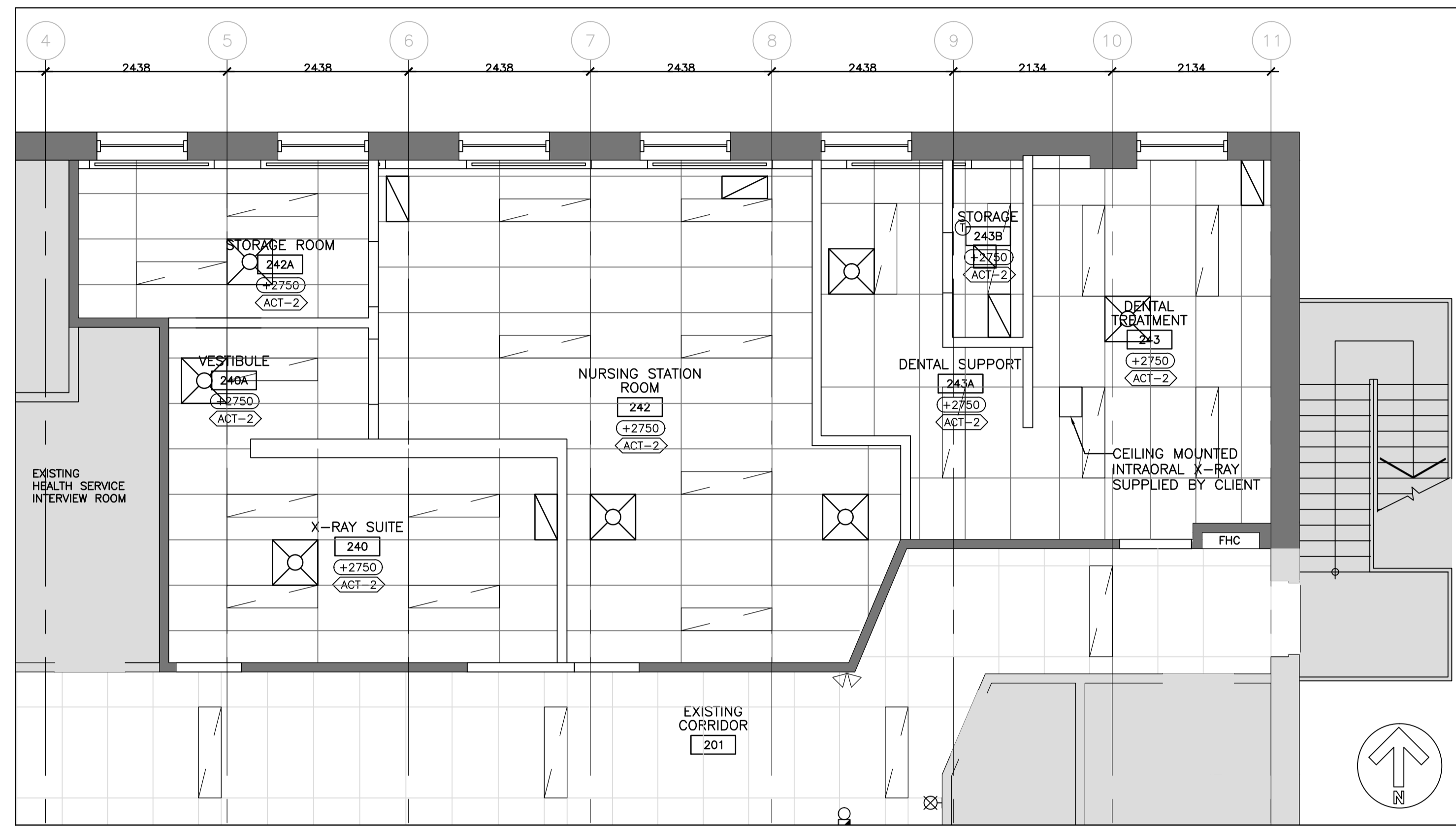
project no.
no. du projet R.079534.002

drawing no.
dessiné no. A2-00

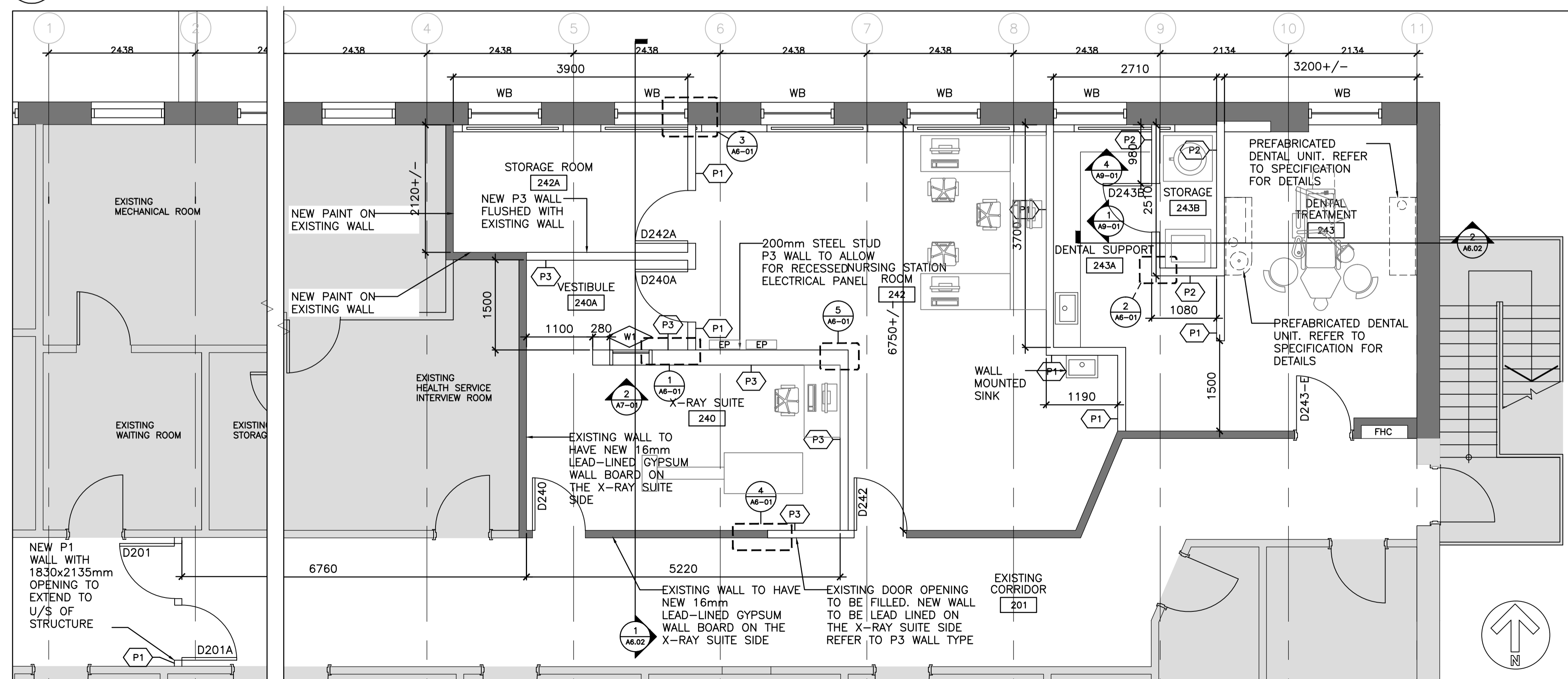


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CEILING SCHEDULE		GENERAL CONSTRUCTION NOTES	
	ACT-1 EXISTING CEILING TILE	1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. REPORT DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE FOR CLARIFICATION. DO NOT PROCEED WITHOUT CLARIFICATION IN SUCH CIRCUMSTANCES.	
	ACT-2 610X1220mm NEW ACOUSTICAL CEILING TILE WITH SUSPENSION SYSTEM	2. BE RESPONSIBLE FOR FIELD MEASUREMENTS AND DIMENSIONS, REPORT DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE FOR CLARIFICATION.	
REFLECTED CEILING PLAN LEGEND		3. NEW PARTITIONS TO BE FIXED DIRECTLY TO CLEAN CONCRETE SLAB. PARTITIONS TO BE TAPED, SANDED SMOOTH AND MADE READY TO RECEIVE FINISHES. ALL GYPSUM TO BE PAINTED UNLESS NOTED OTHERWISE	
	XXXX CEILING HEIGHT	4. ENSURE SUFFICIENT BLOCKING IS PROVIDED IN AREAS REQUIRING SUPPORT OF THE PARTITION OR CEILING FOR MOUNTED EQUIPMENT OR MATERIAL	
	NEW LIGHTING REFER TO ELECTRICAL DWG FOR DETAILS	5. ENSURE FLOOR IS LEVEL PRIOR TO CONSTRUCTION OF PARTITION. PROVIDE SKIM COAT IF NECESSARY, VARIANCE NOT TO EXCEED 6mm.	
	NEW DIFFUSERS REFER TO MECHANICAL DWG FOR DETAILS	6. ENSURE ACOUSTICAL CAULKING IS PROVIDED AT PARTITION CONNECTIONS TO FINISHED CEILING, FLOOR SLAB AND UNDERSIDE OF STRUCTURE.	
	NEW RETURN AIR REFER TO MECHANICAL DWG FOR DETAILS	7. ALL MATERIALS USED SHALL BE NEW UNLESS OTHERWISE NOTED.	
		8. LOCATIONS WHERE BASE BUILDING PARTITIONS OR COLUMNS ARE TO RECEIVE ELECTRICAL CONDUIT AND BOXES, BE RESPONSIBLE FOR FURRING, CUTTING, PATCHING AND FINISHING AS PER SPECIFICATIONS AT COMPLETION OF ELECTRICAL WORK.	
		9. ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES MUST BE FIRE-STOPPED WITH APPROVED MATERIAL OR SYSTEM	
INTERIOR PARTITION SCHEDULE			
	P1	STC: 49 - 16mm GYPSUM WALL BOARD - 92mm MIN. 20 GAUGE METAL STUDS - 92mm ACOUSTIC INSULATION - 16mm GYPSUM WALL BOARD	
	P2	STC: 54 - 16mm GYPSUM WALL BOARD - MIN. 20 GAUGE 92mm METAL STUDS - 92mm ACOUSTIC INSULATION - 16mm ACOUSTICALLY ENHANCED GYPSUM BOARD - 16mm GYPSUM WALL BOARD	
	P3	STC: - - 16mm GYPSUM WALL BOARD - 92mm MIN. 20 GAUGE METAL STUDS @ MAX 400mm O.C. - 92mm ACOUSTIC INSULATION - 16mm LEAD LINED GYPSUM WALL BOARD - GYPSUM WALL BOARD SCREWS TO BE INSTALLED WITH 9.5mm DIA LEAD DISC - 50mm WIDE LEAD STRIPS WITH SAME THICKNESS AS LEAD LINING FOR LAPPING @ VERTICAL JOINTS	
NOTE: ALL STUD ASSEMBLY TO SPAN TO U/S OF DECK OR STRUCTURE			
FLOOR PLAN LEGEND			
	NEW DOOR NUMBER		
	NEW DOOR, DOORFRAME AND HARDWARE		
	NEW WALL PARTITION		
	EXISTING WALL TO REMAIN		
	NEW WINDOW SHADE REFER TO SPECIFICATIONS		



2 PROPOSED REFLECTED CEILING PLAN
A2-01 SCALE: 1:50



1 PROPOSED FLOOR PLAN
A2-01 SCALE: 1:50

revision	description	date
04	BID	2017-07-14
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CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9
X-RAY AND DENTAL ROOMS, CBI (MIN)

drawing title
titre du dessin
PROPOSED FLOOR AND REFLECTED CEILING PLAN

drawn by
dessiné par
A.T.

designed by
conçue par
A.T.

approved by
approuvé par
R.N.

tender
soumission
Y. KODAI

project manager
administrateur de projets
Y. KODAI

project date
date du projet
2016-06-03

project no.
no. du projet
DLG11037T-02
R.079534.002

drawing no.
dessiné no.
A2-01

DIALOG™



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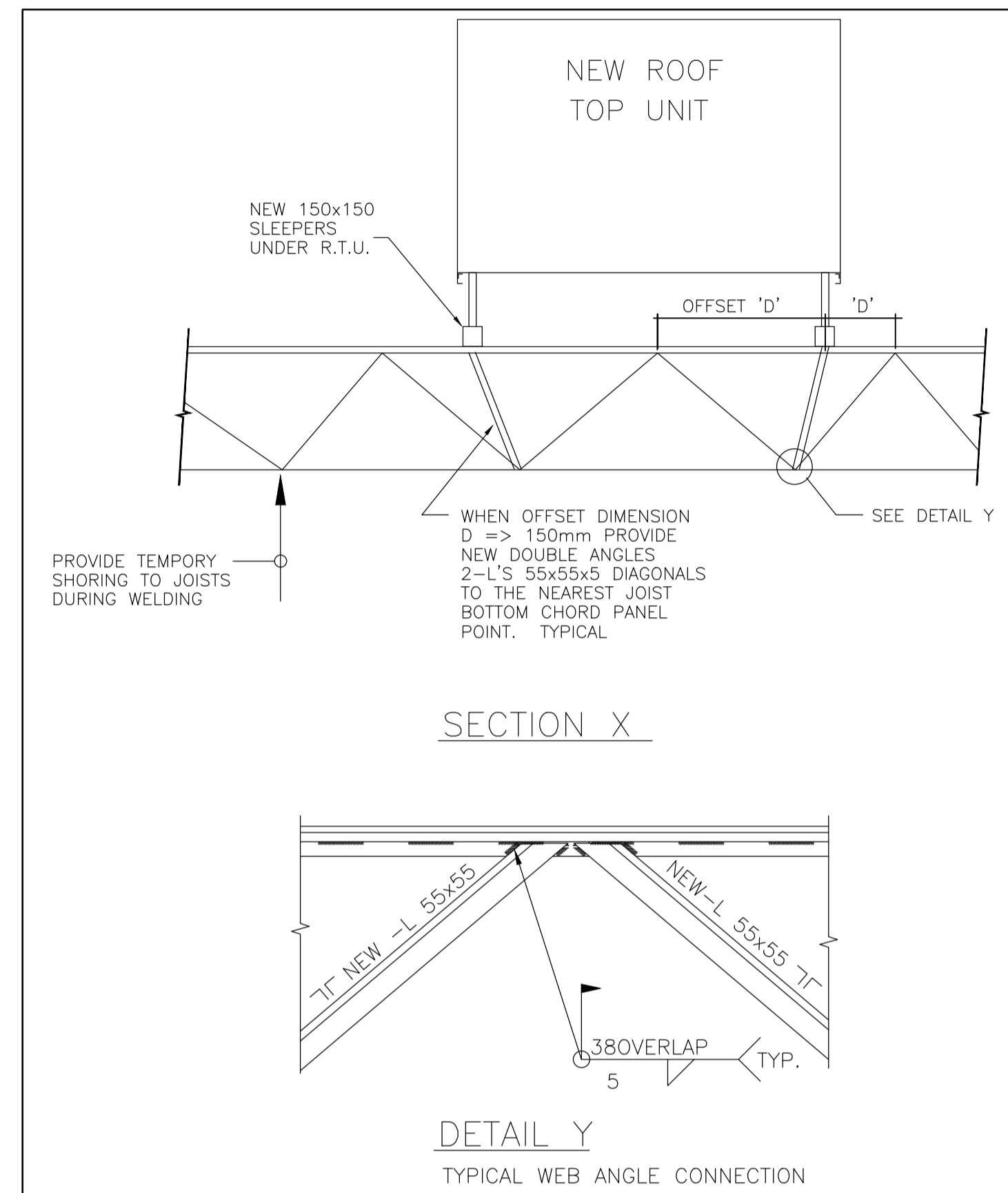
ROOF FRAMING PLAN NOTES

- CONTRACTOR IS TO PROVIDE ADEQUATE SHORING AND ALL TEMPORARY WORKS DURING CONSTRUCTION FOR THE SAFE INSTALLATION OF ALL CONSTRUCTION MATERIALS. DESIGN AND CONSTRUCTION OF SUCH SHORING AND TEMPORARY WORKS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- FOR REFERENCE ONLY: TOP OF EXISTING ROOF DATUM ELEVATION @ HIGH POINT = TOP OF STEEL ELEVATION = ±7300 ABOVE FINISHED GROUND FLOOR (TO BE SITE VERIFIED).
- EXISTING INFORMATION OBTAINED FROM AS-BUILT DRAWINGS PREPARED BY R. W. CATTO-CHIEF DATED MARCH 1961. SITE VERIFY ALL CRITICAL SHOP DRAWING INFORMATION AND REPORT TO THE CONSULTANT DISCREPANCIES THAT HAVE THE POTENTIAL TO AFFECT THE WORK AND OBTAIN INSTRUCTIONS PRIOR TO PROCEEDING WITH THE WORK.
- ROOF DESIGN LIVE LOAD = $S_s(C_b)(C_a)(C_s)+S_r = 2.1(0.8)(1)(1)+0.4 = 2.08$ kPa. ADDITIONAL SNOW LOAD FROM SNOW PILING (IF ANY) IS SHOWN ON PLAN AS 'ASL'
- ROOF DESIGN DEAD LOAD PARAMETERS:

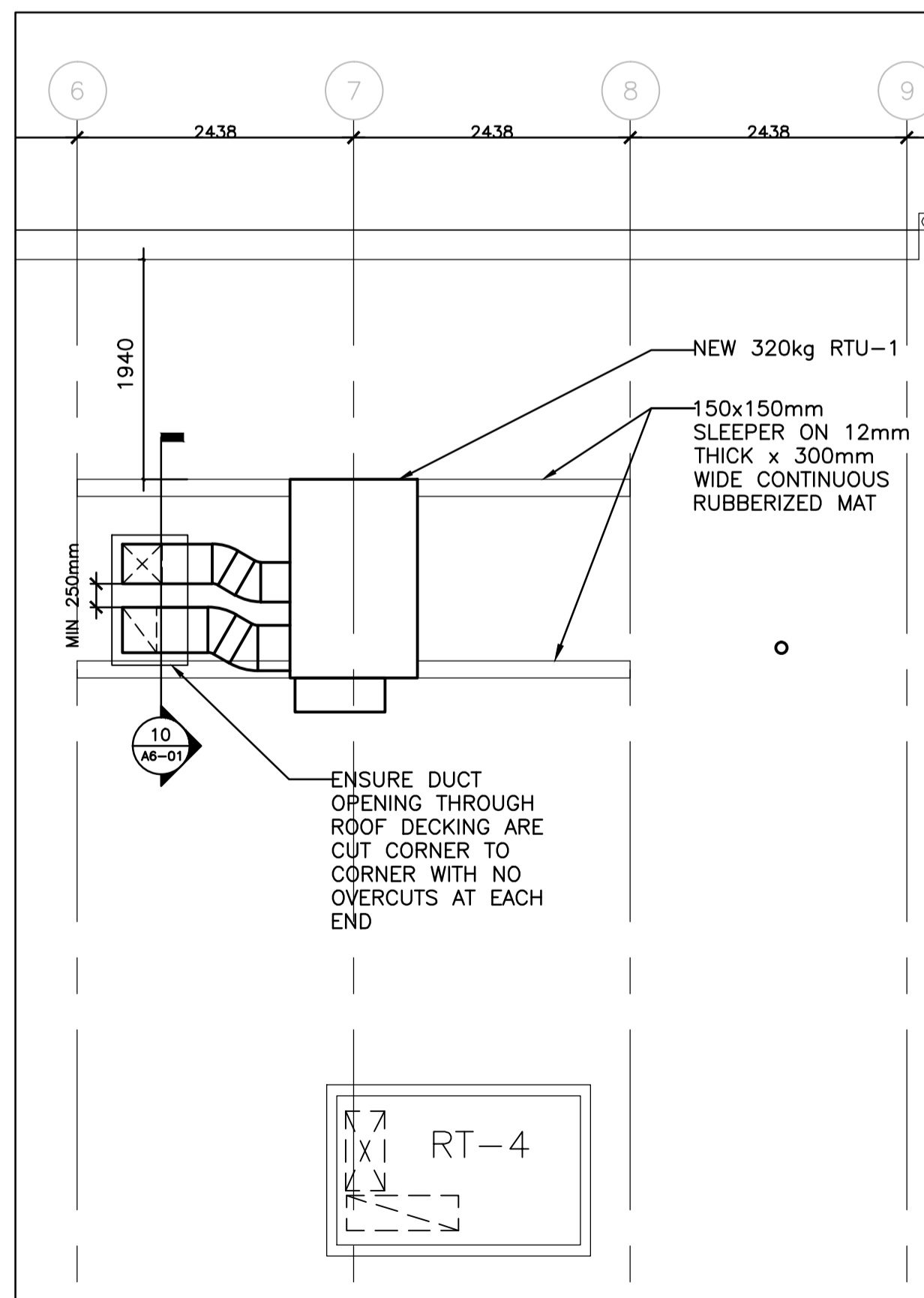
BALLASTED EPDM ROOFING	= 0.53 kPa
12mm FIBREBOARD	= 0.08 kPa
38mm INSULATION	= 0.02 kPa
22mm T&G SHEATHING	= 0.14 kPa
2x4 LAMINATED DECK	= 0.43 kPa
2x6 NAILING STRIP	= 0.05 kPa
MECHANICAL + ELECTRICAL	= 0.15 kPa
T-BAR CEILING & MISC.	= 0.10 kPa

TOTAL DEAD LOAD FOR THE DESIGN OF STEEL JOISTS (EXCLUSIVE OF JOIST SELF WEIGHT) = 1.50 kPa
- TOTAL DEAD + LIVE LOAD ON EXISTING ROOF JOISTS = 2.08 kPa + 1.50 kPa = 3.58 kPa
 TOTAL UNIFORM LOADING ON EXISTING ROOF JOISTS SPACED @ 2438mm O/C = 8.72 kN/m
 EXISTING ROOF JOISTS HAVE BEEN DESIGNED FOR A TOTAL UNIFORM LOADING OF 9.34 kN/m (PER EXISTING RECORD DRAWINGS).
- NEW ROOF TOP MECHANICAL UNIT RTU-1 HAS DIMENSIONS OF 1725mm x 1100mm x 1350 mm HIGH (INCLUDES CURB HEIGHT OF 350mm). THE EFFECTS OF THE ROOF TOP MECHANICAL UNIT ACTING AS AN OBSTRUCTION ON THE SNOW LOADING CAN BE IGNORED SINCE THE LENGTH OF RTU-1 ($b=1.725$ m) < $(S_s S_s/3)=2.1$ m. NO ADDITIONAL SNOW ACCUMULATION AROUND THE UNIT.

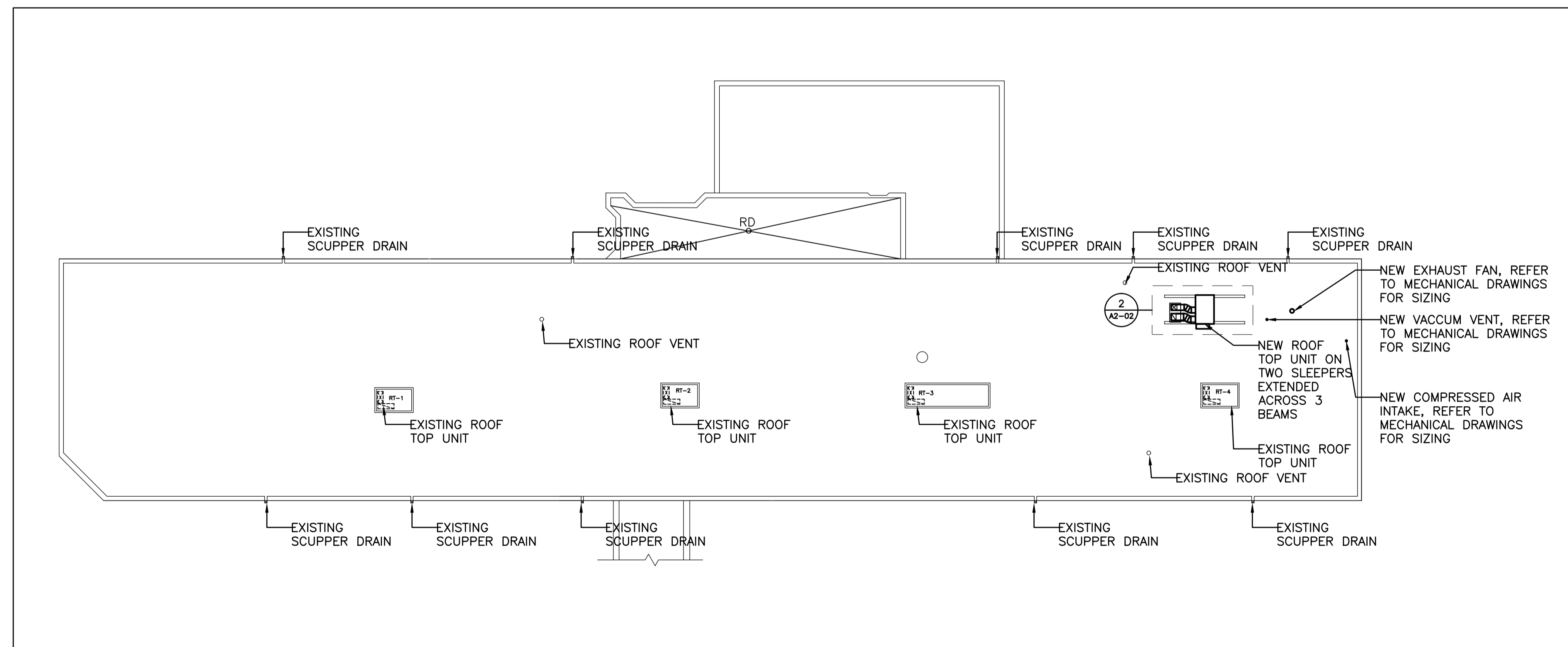
 THE OPERATING WEIGHT OF THE NEW RTU-1 IS 320 Kg. THE EXISTING ROOF JOIST CAPACITY IS ADEQUATE TO SUPPORT THE NEW RTU-1 WEIGHING 320 Kg. ADDITIONAL DIAGONAL MEMBERS MAY BE REQUIRED DEPENDING ON THE LOCATION OF THE RTU-1 WITH RESPECT TO THE EXISTING JOIST TOP CHORD PANEL POINTS. REFER TO STRUCTURAL DETAIL X ON THIS SHEET.
- ALL STRUCTURAL STEEL MEMBERS TO BE 300W AND SHALL CONFORM TO CSA G40.21-04.
- STRUCTURAL DESIGN IS BASED ON LIMIT STATES DESIGN AS PER 2012 BUILDING CODE COMPENDIUM, STRUCTURAL STEEL TO CAN/CSA-S16-09, DESIGN OF STEEL STRUCTURES TIMBER DESIGN INCLUDING ALL STRUCTURAL COMPOSITE LUMBER (SUCH AS LVL, PSL ETC) CONFORMS TO CAN/CSA-086-09



3 RTU SLEEPER SUPPORT
SCALE: 1:50



2 ENLARGED RTU
SCALE: 1:50



1 PROPOSED ROOF PLAN
SCALE: 1:200

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01	PROGRESS REVIEW	2016-09-07
revision		date

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titre du projet
KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9
X-RAY AND DENTAL ROOMS,
CBI (MIN)

drawing title
titre du dessin
PROPOSED ROOF PLAN

drawn by
dessiné par **A.T.**

designed by
conc par **A.T.**

approved by
approuvé par **R.N.**

lender
soumission **Y. KODAI** project manager
administrateur de projets

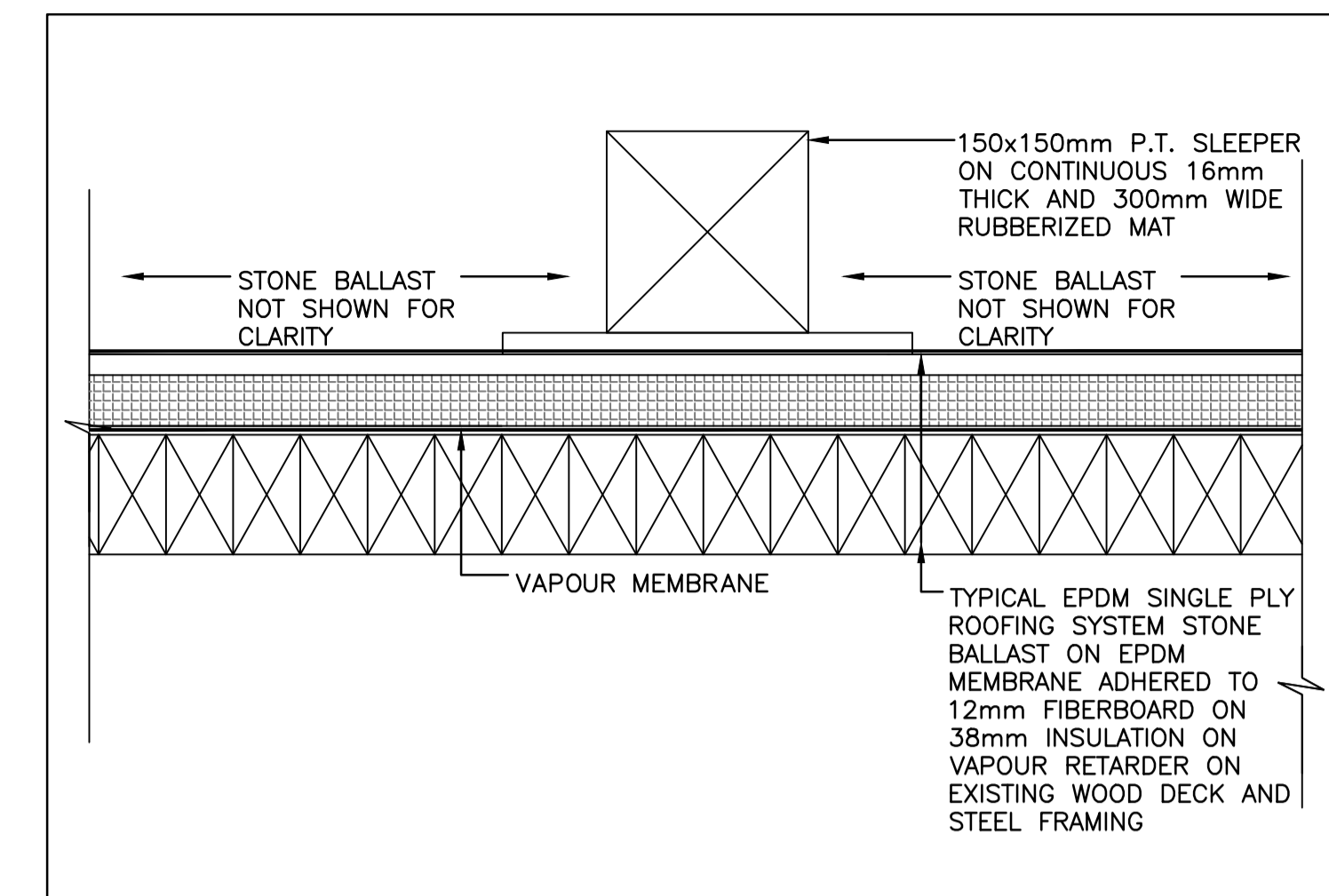
project date
date du projet **2016-06-03**

project no.
no. du projet **R.079534.002** DLG11037T-02

drawing no.
dessiné no. **A2-02**

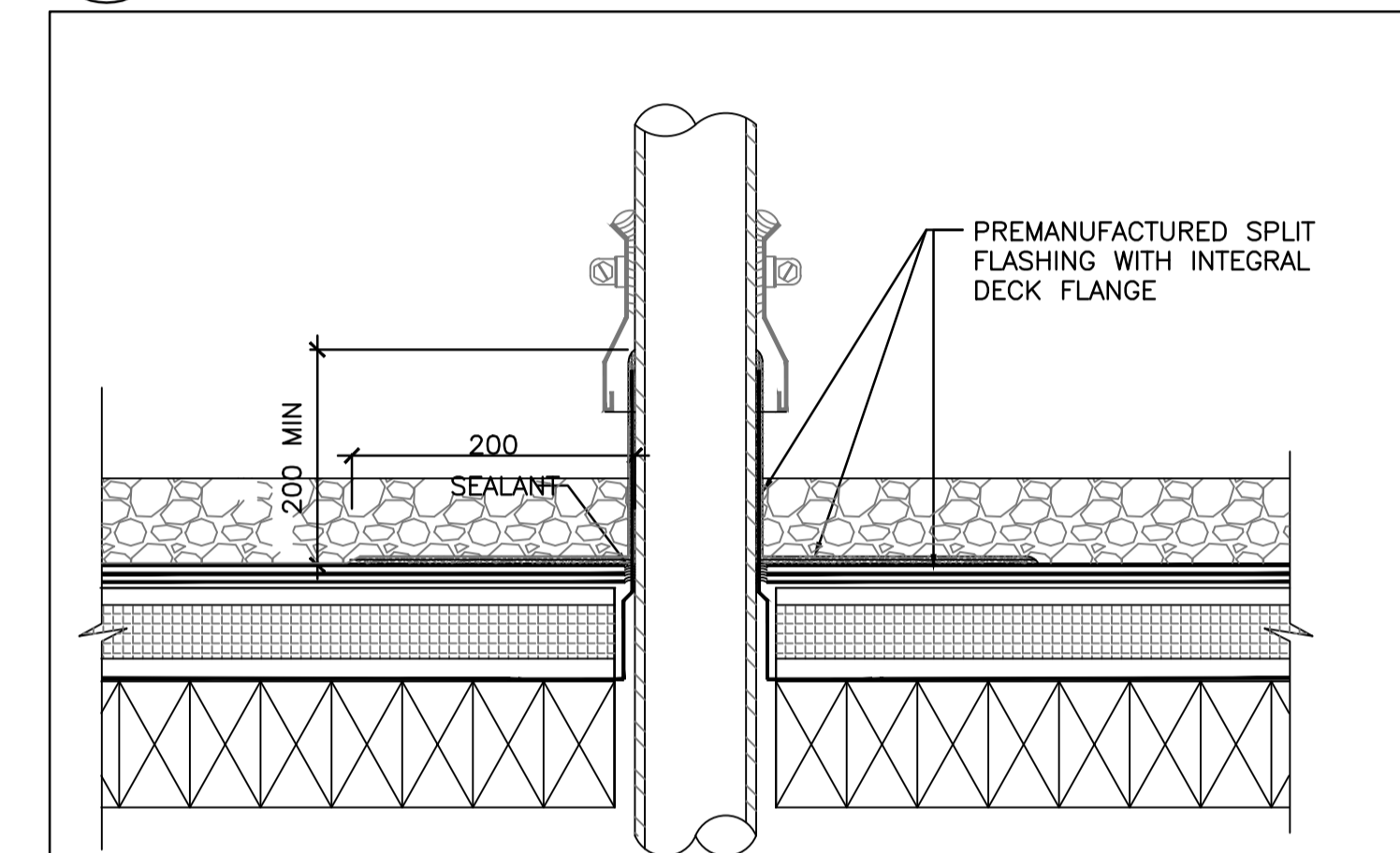


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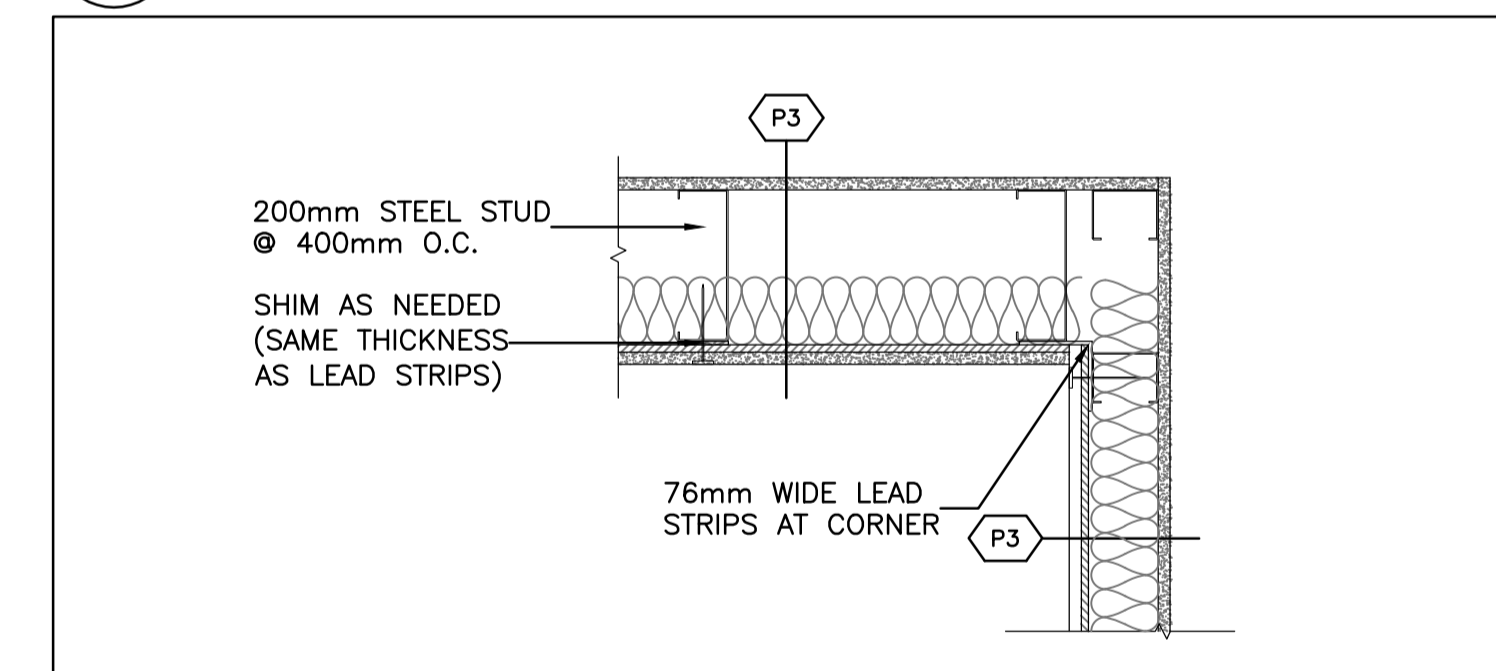
9 MECHANICAL UNIT CURB

A6-01 SCALE: 1:5



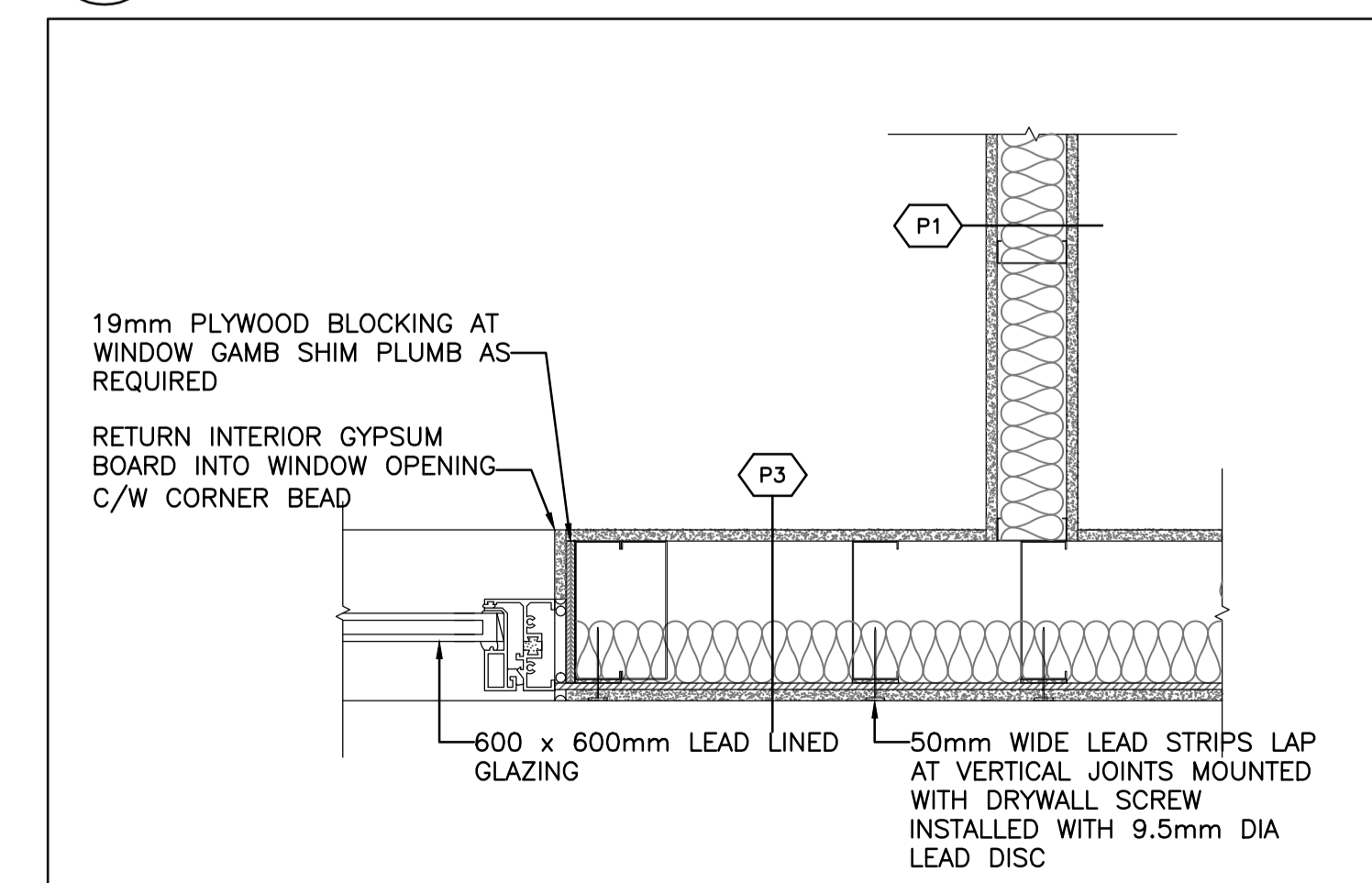
8 TYPICAL ROOF PENETRATION DETAIL

A6-01 SCALE: 1:5



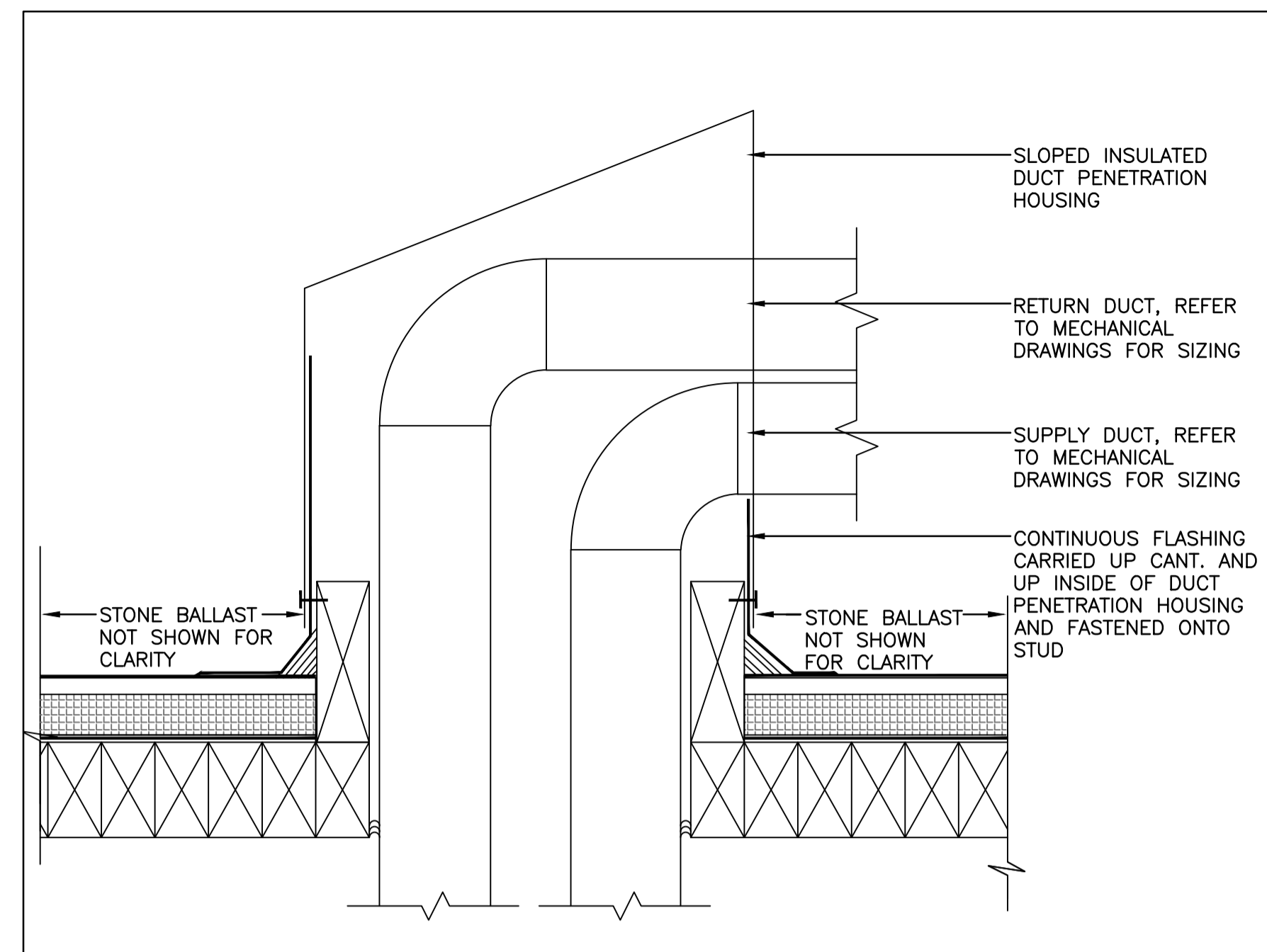
5 INSIDE CORNER STUDS OF P3

A6-01 SCALE: 1:10



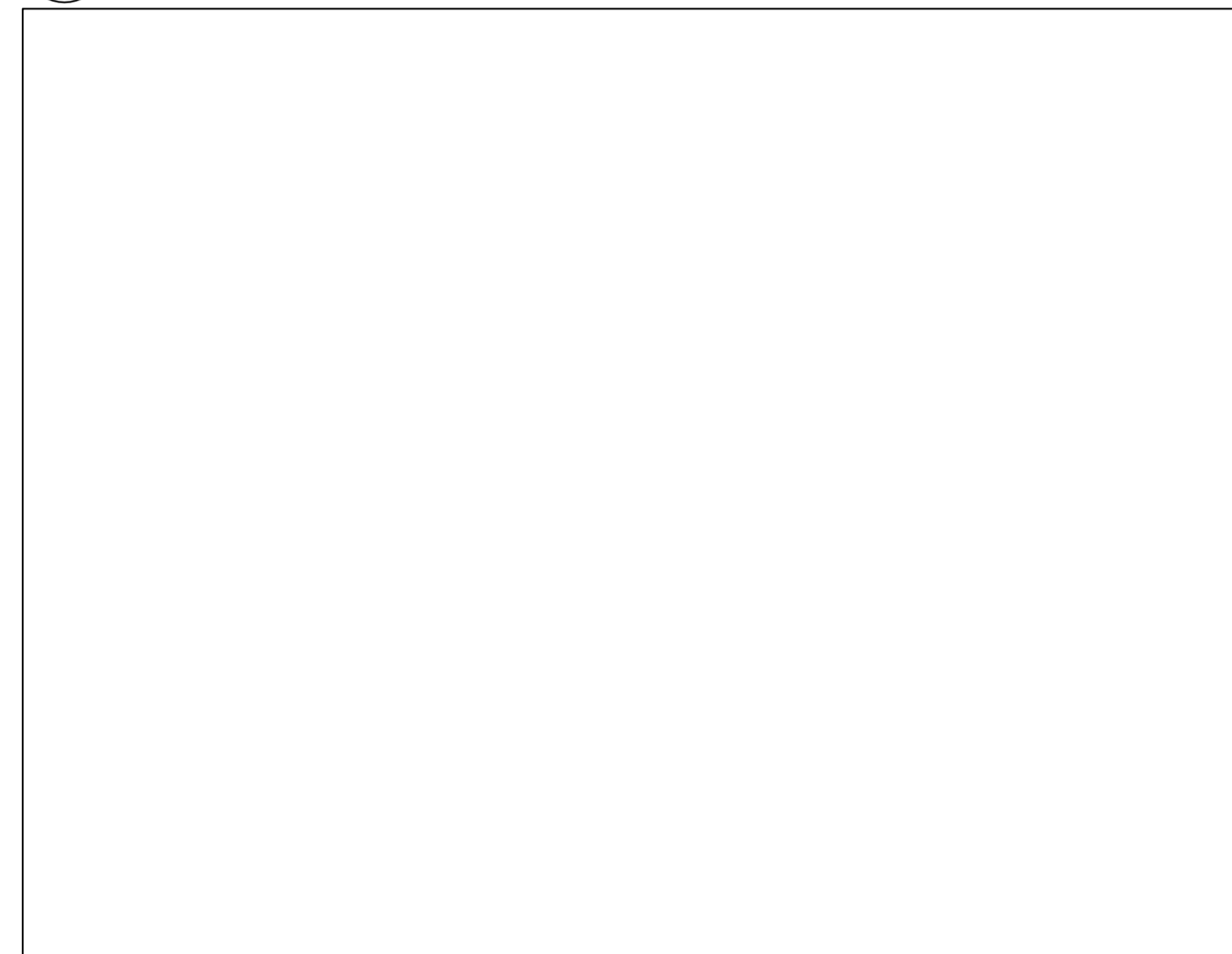
1 P1 WALL INTERSECTING P3 WALL PLAN DETAIL

A6-01 SCALE: 1:10



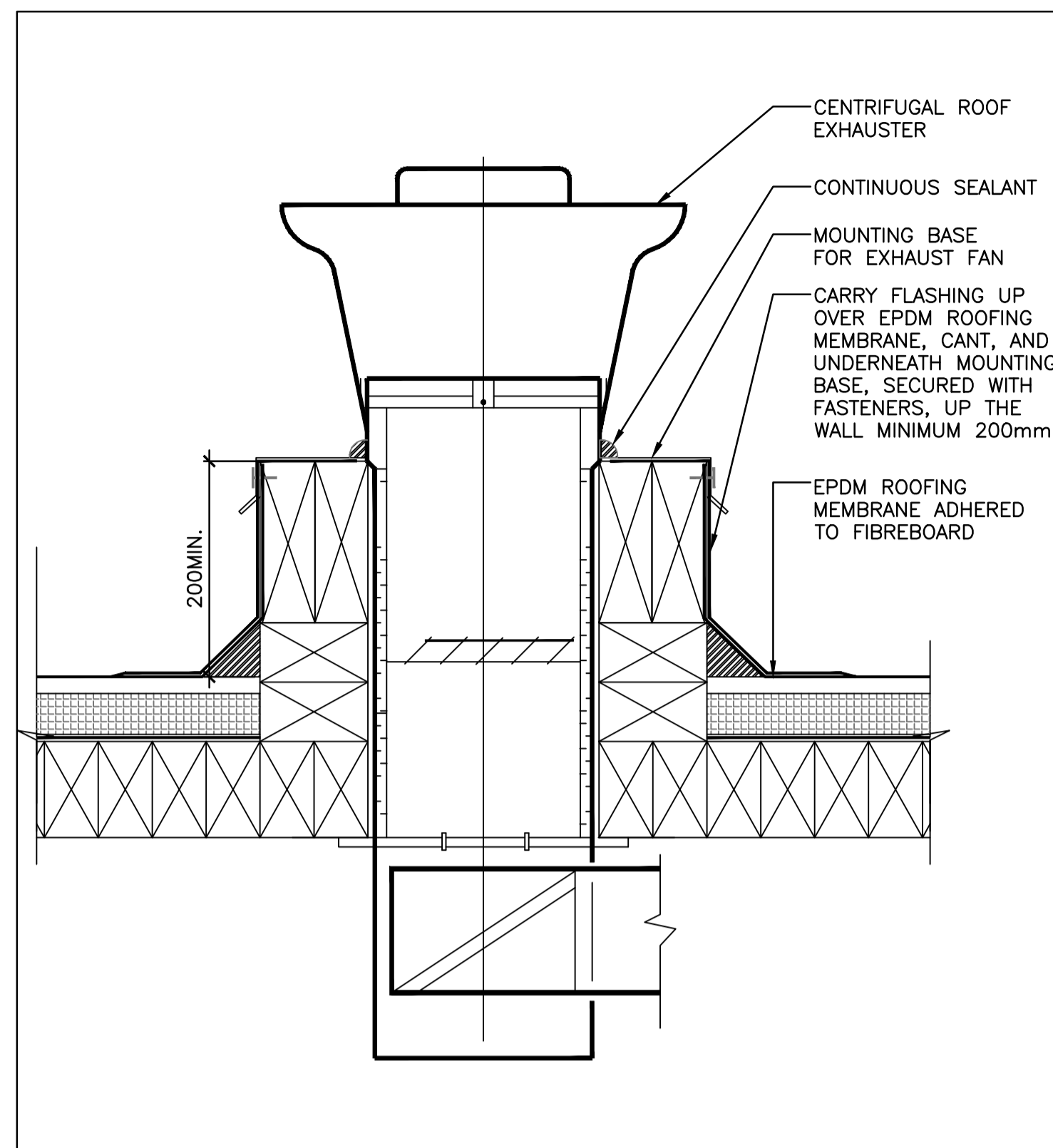
10 ROOF DUCT PENETRATION

A6-01 SCALE: 1:5



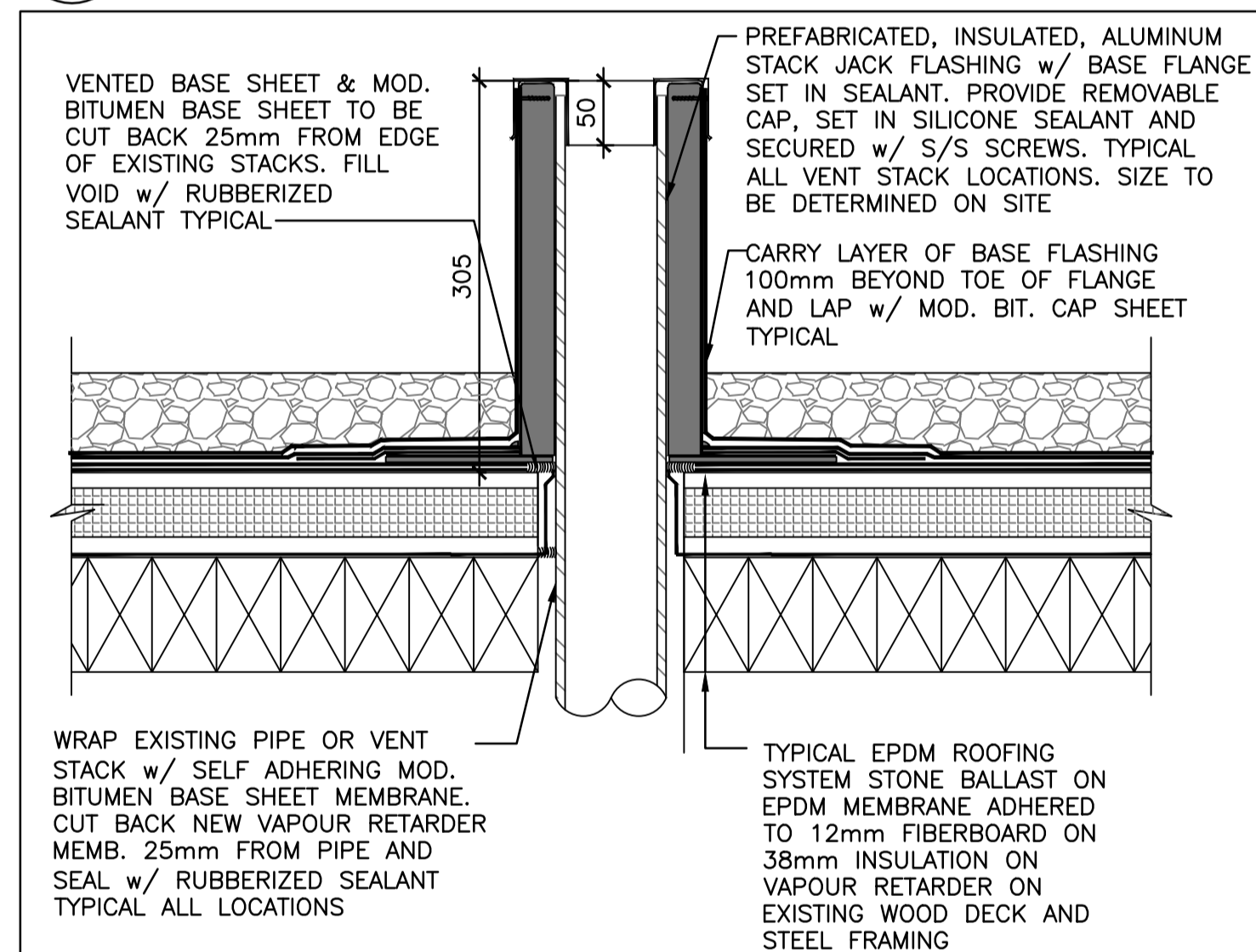
6 SPARE

A6-01 SCALE: 1:50



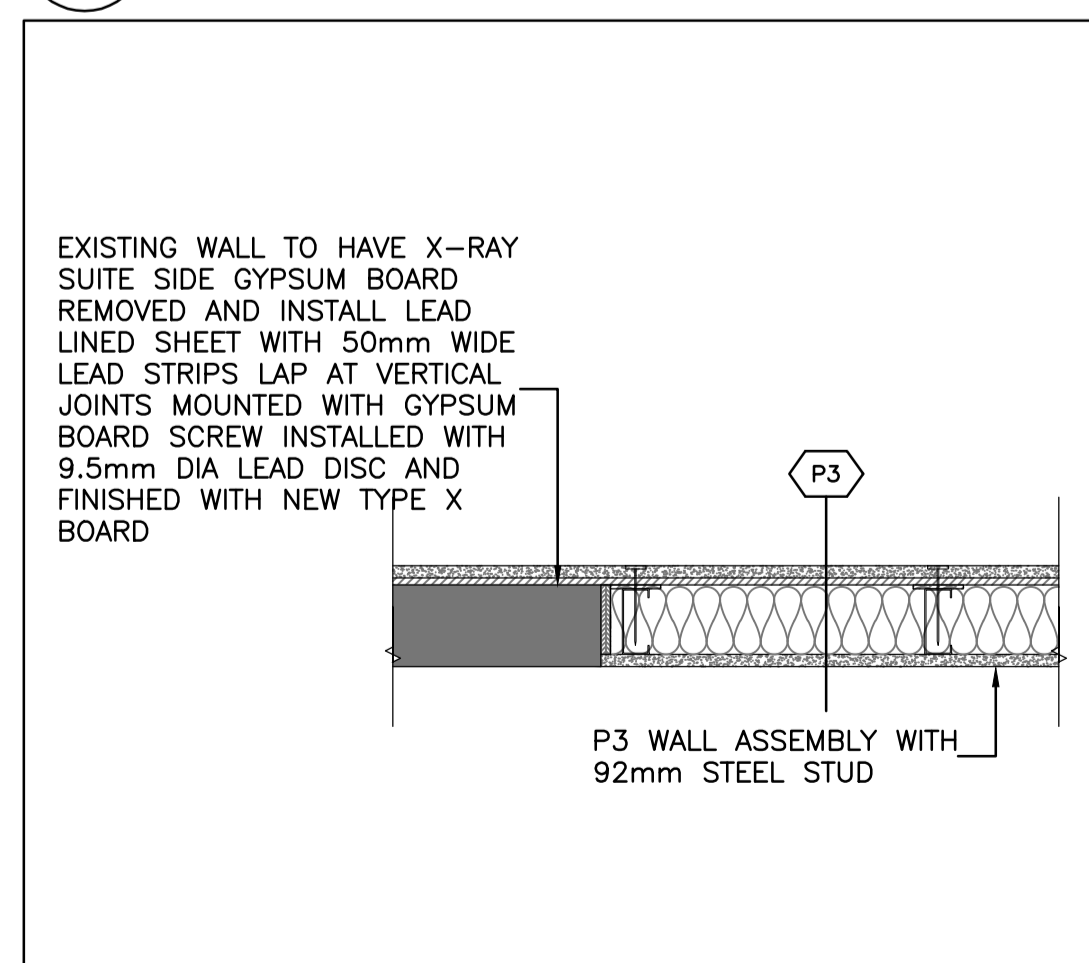
11 ROOF MOUNTED EXHAUST FAN

A6-01 SCALE: 1:5



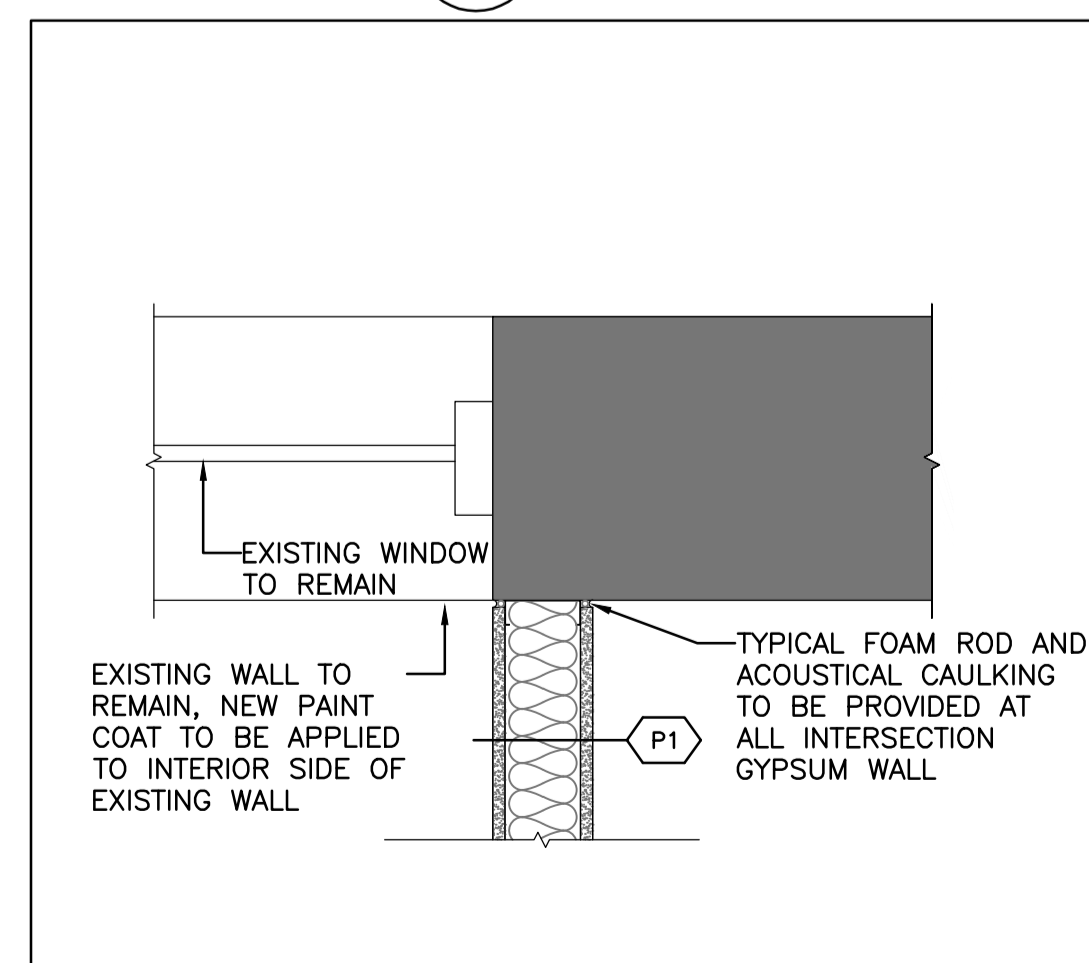
7 VENT STACK DETAIL

A6-01 SCALE: 1:5



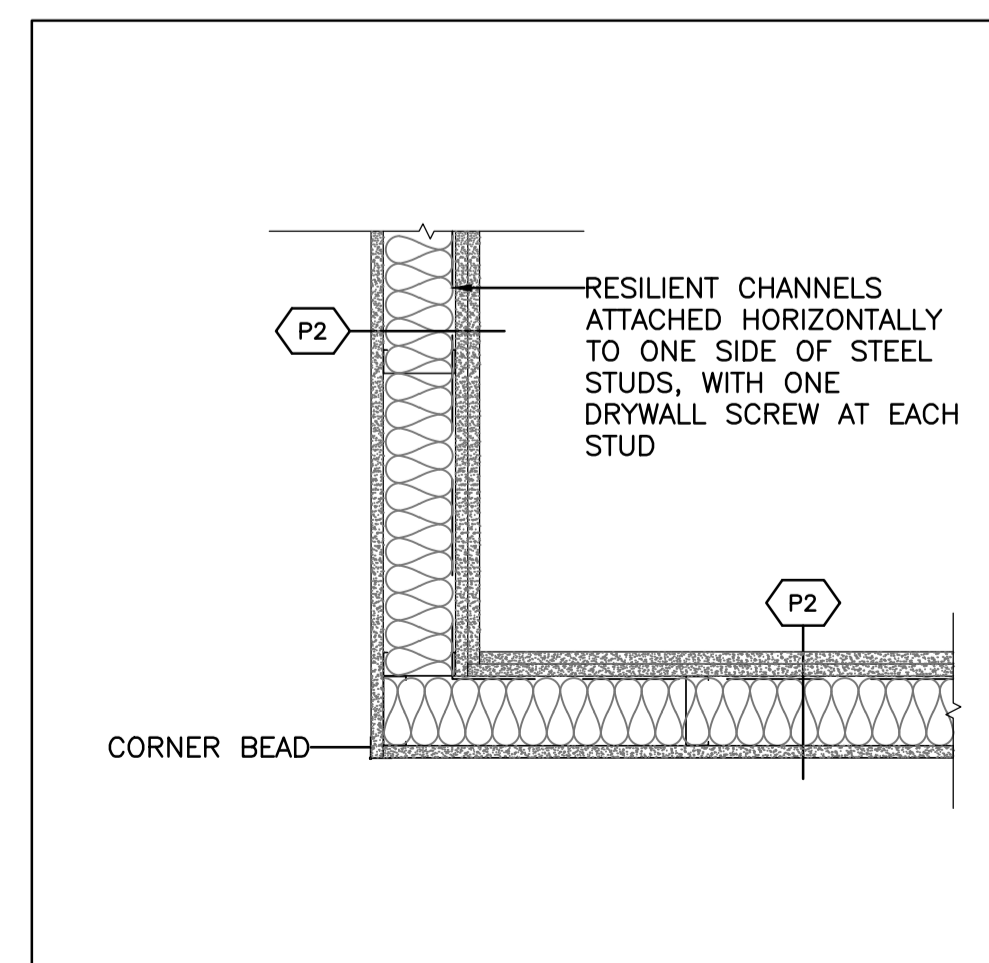
4 EXISTING WALL AT P3

A6-01 SCALE: 1:10



3 P1 AT EXISTING WALL

A6-01 SCALE: 1:10



2 P2 CORNER PLAN DETAIL

A6-01 SCALE: 1:10

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project title
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KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9

X-RAY AND DENTAL ROOMS,
CBI (MIN)

drawing title
titre du dessin

PLAN DETAILS AND SECTION

drawn by
dessiné par A.T.

designed by
conçue par A.T.

approved by
approuvé par R.N.

tender
soumission Y. KODAI

project manager
administrateur de projets

project date
date du projet 2016-06-03

project no.
no. du projet R.079534.002

DLG11037T-02

drawing no.
dessiné no. A6-01



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CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9**

**X-RAY AND DENTAL ROOMS,
CBI (MIN)**

drawing title / titre du dessin
SECTION

drawn by / dessiné par
A.T.

designed by / conçu par
A.T.

approved by / approuvé par
R.N.

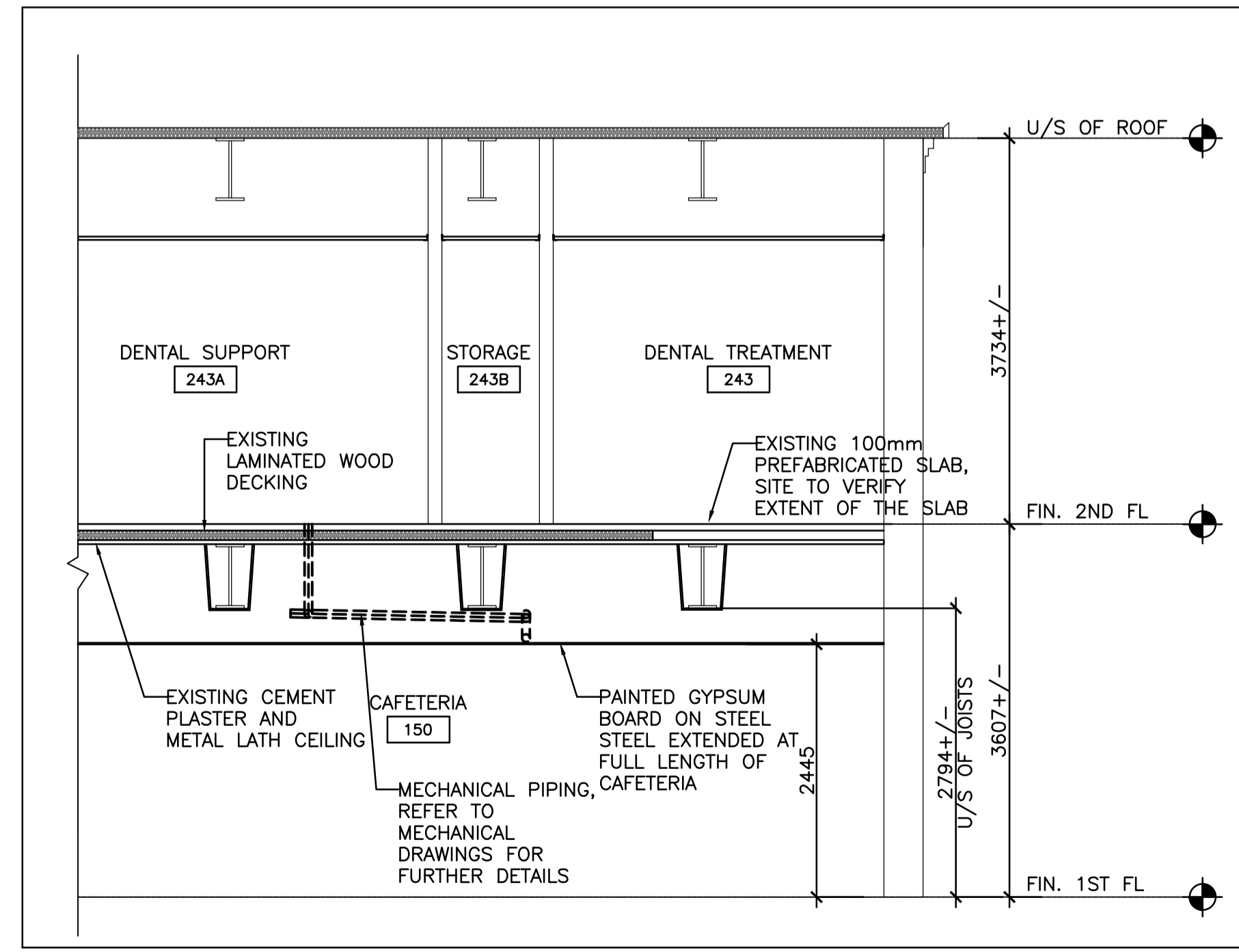
sender / soumission
Y. KODAI

project manager / administrateur de projets

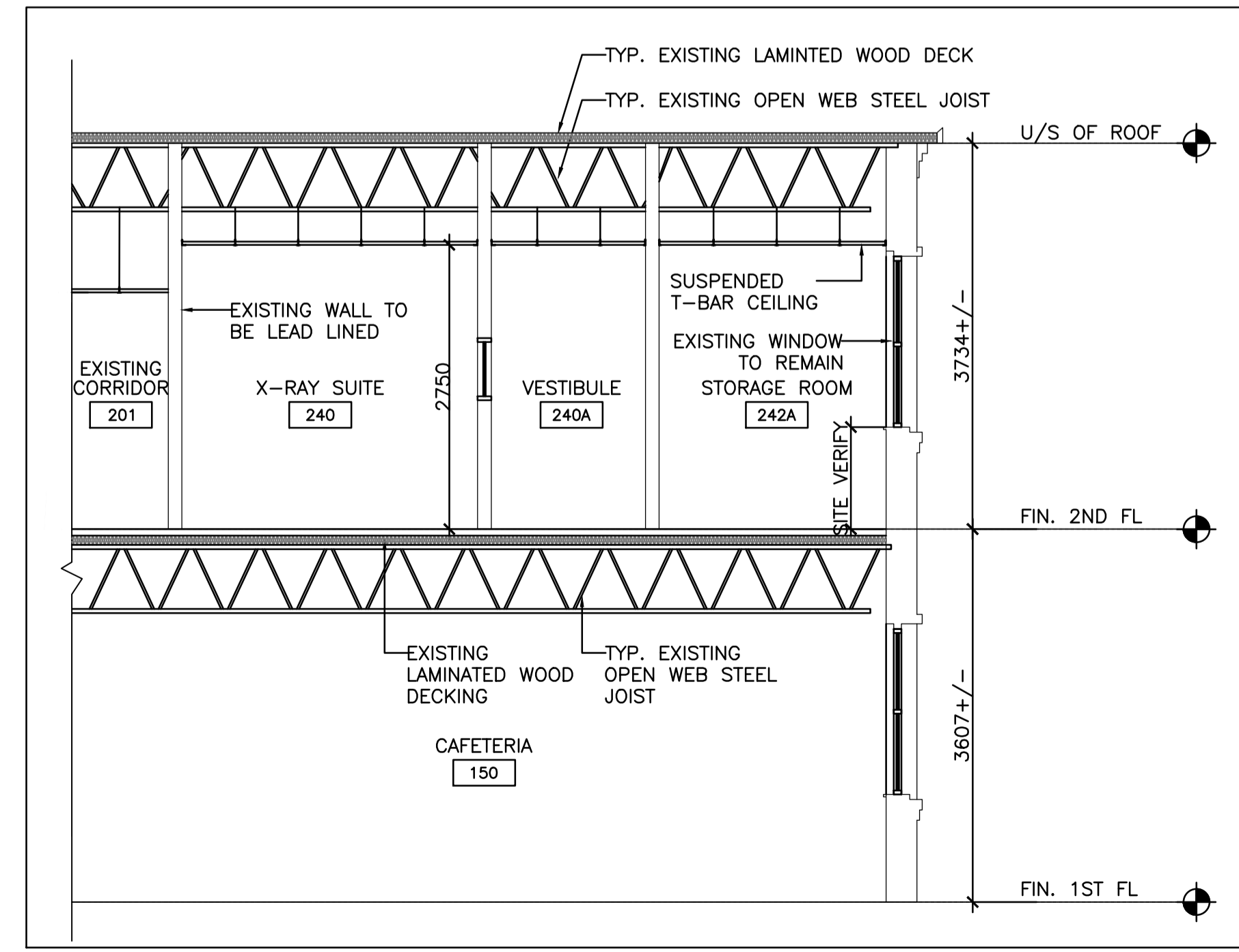
project date / date du projet
2016-06-03

project no. / no. du projet
DLG110371-02
R.079534.002

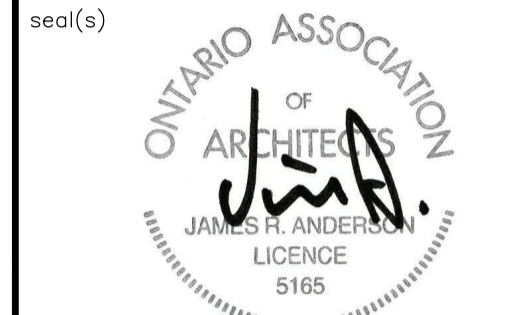
drawing no. / dessiné no.
A6-02



2 SECTION THROUGH DENTAL SUITE
SCALE: 1:50



1 SECTION THROUGH X-RAY AND STORAGE ROOM
SCALE: 1:50



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FLOOR FINISH LEGEND

- (T) TRANSITION STRIP
- (FF-1) VINYL SHEET FLOORING

WALL FINISH SCHEDULE

- (PT-1) PAINT 1: TO BE SELECTED BY THE DEPARTMENTAL REPRESENTATIVE
- (PT-2) PAINT 2: TO BE SELECTED BY THE DEPARTMENTAL REPRESENTATIVE

WALL BASE SCHEDULE

- (B-1) 100mm VINYL WALL BASE

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X-RAY AND DENTAL ROOMS, CBI (MIN)

drawing title
titre du dessin

FLOOR AND WALL FINISH PLAN

drawn by
dessiné par A.T.

designed by
conçu par A.T.

approved by
approuvé par R.N.

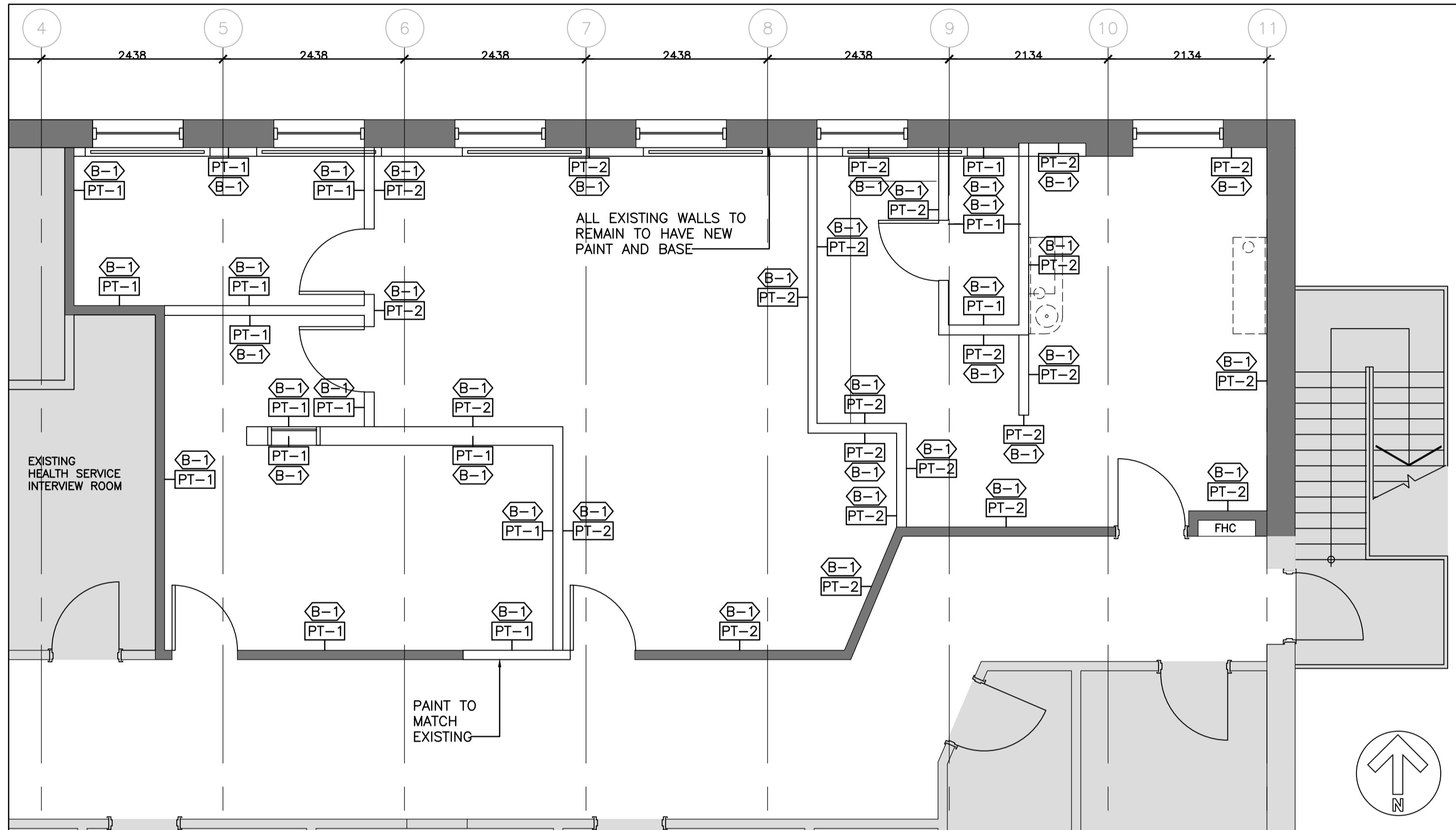
lender
soumission Y. KODAI

project manager
administrateur de projets

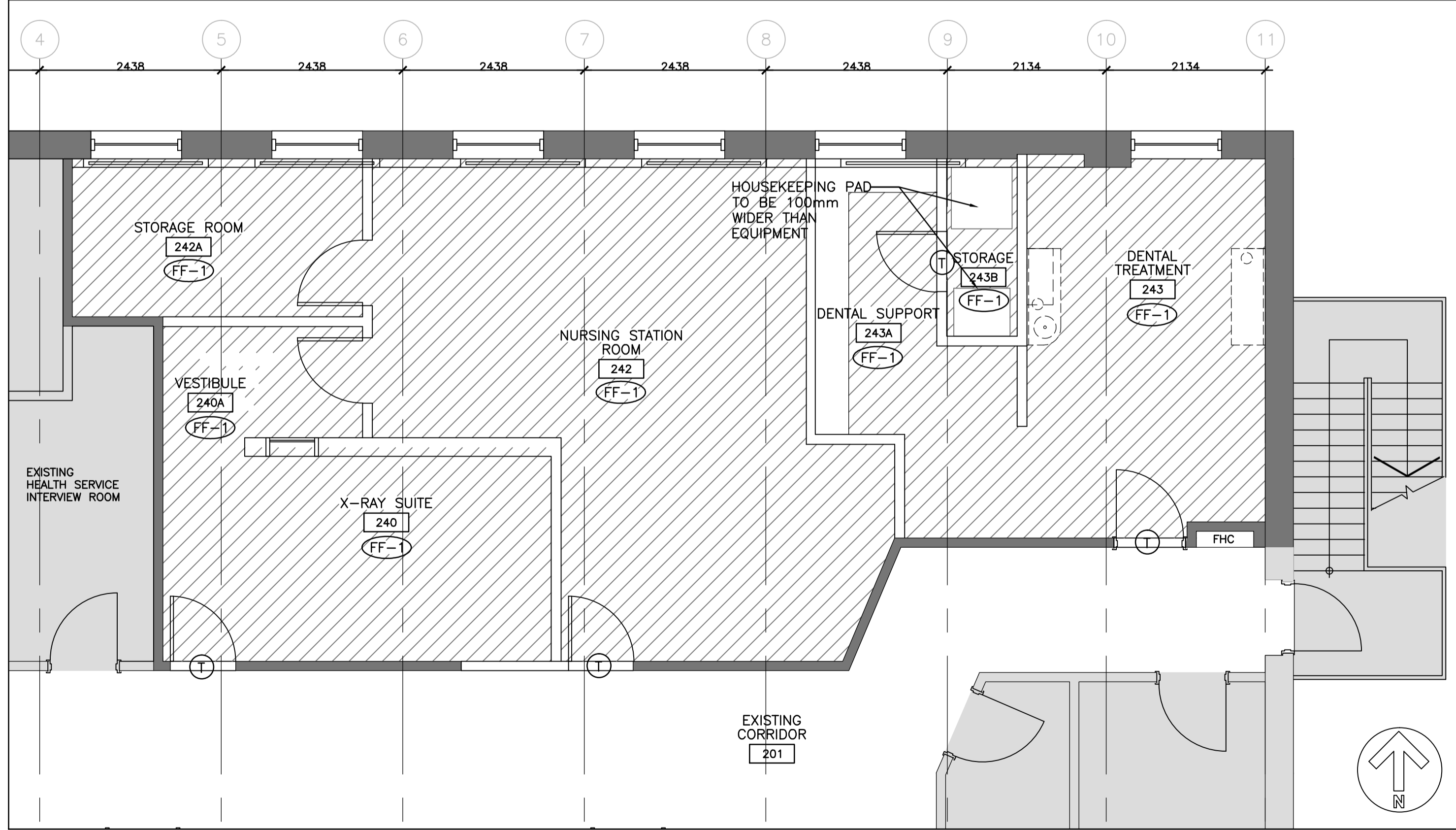
project date
date du projet
2016-06-03

project no.
no. du projet
R.079534.002

drawing no.
dessiné no.
A8-01



2 PROPOSED REFLECTED CEILING PLAN
A2-01 SCALE: 1:50



1 PROPOSED FLOOR PLAN
A2-01 SCALE: 1:50



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04	BID	2017-07-14
03	99% CD	2017-03-10
02	50% CD	2016-11-04
01	PROGRESS REVIEW	2016-09-07
revision		date

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A	Detail No. No. du détail
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C	drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9

**X-RAY AND DENTAL ROOMS,
CBI (MIN)**

drawing title
titre du dessin

CASEWORK

drawn by
dessiné par **A.T.**

designed by
conc par **A.T.**

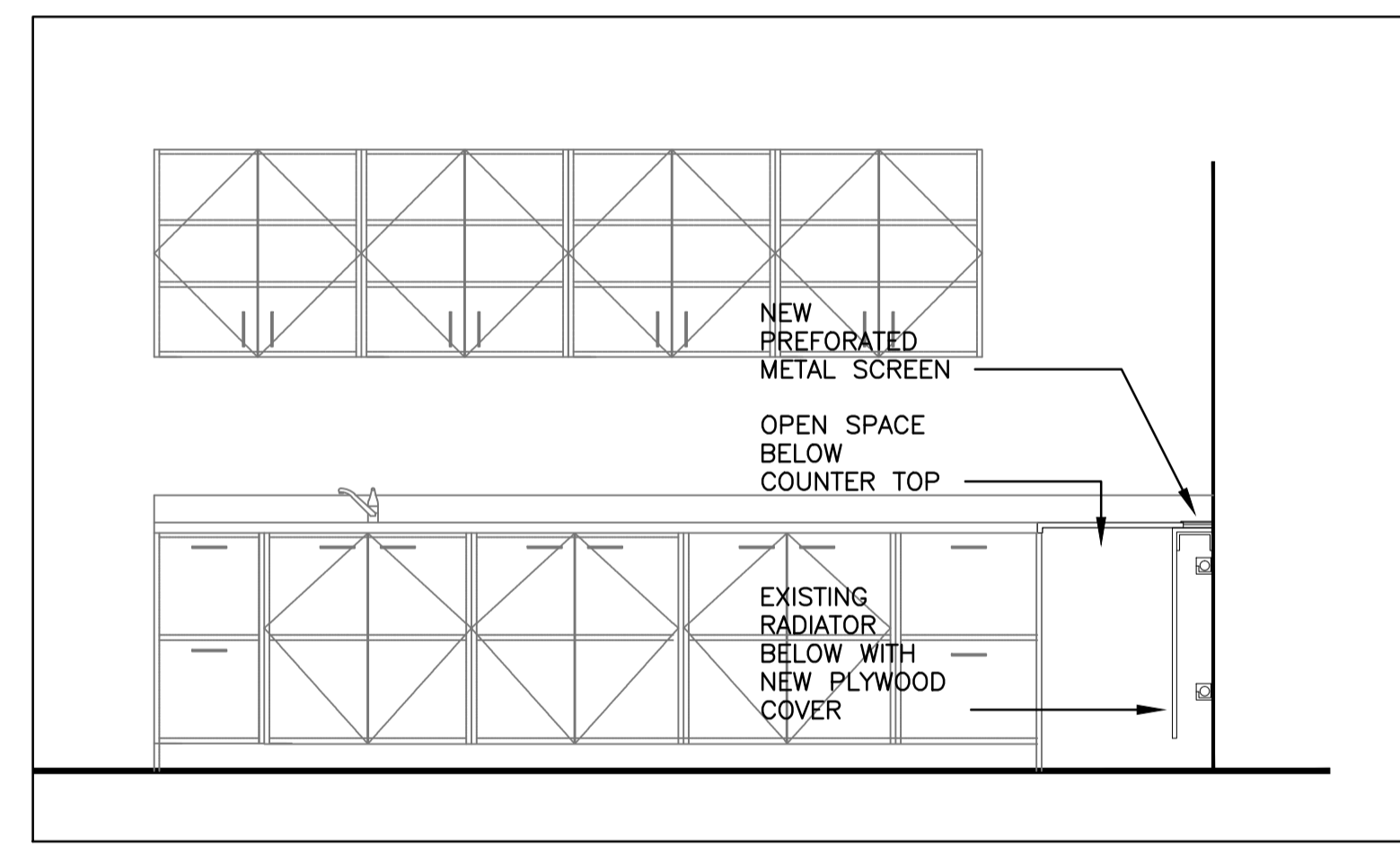
approved by
approuvé par **R.N.**

tender
soumission **Y. KODAI** project manager
administrateur de projets

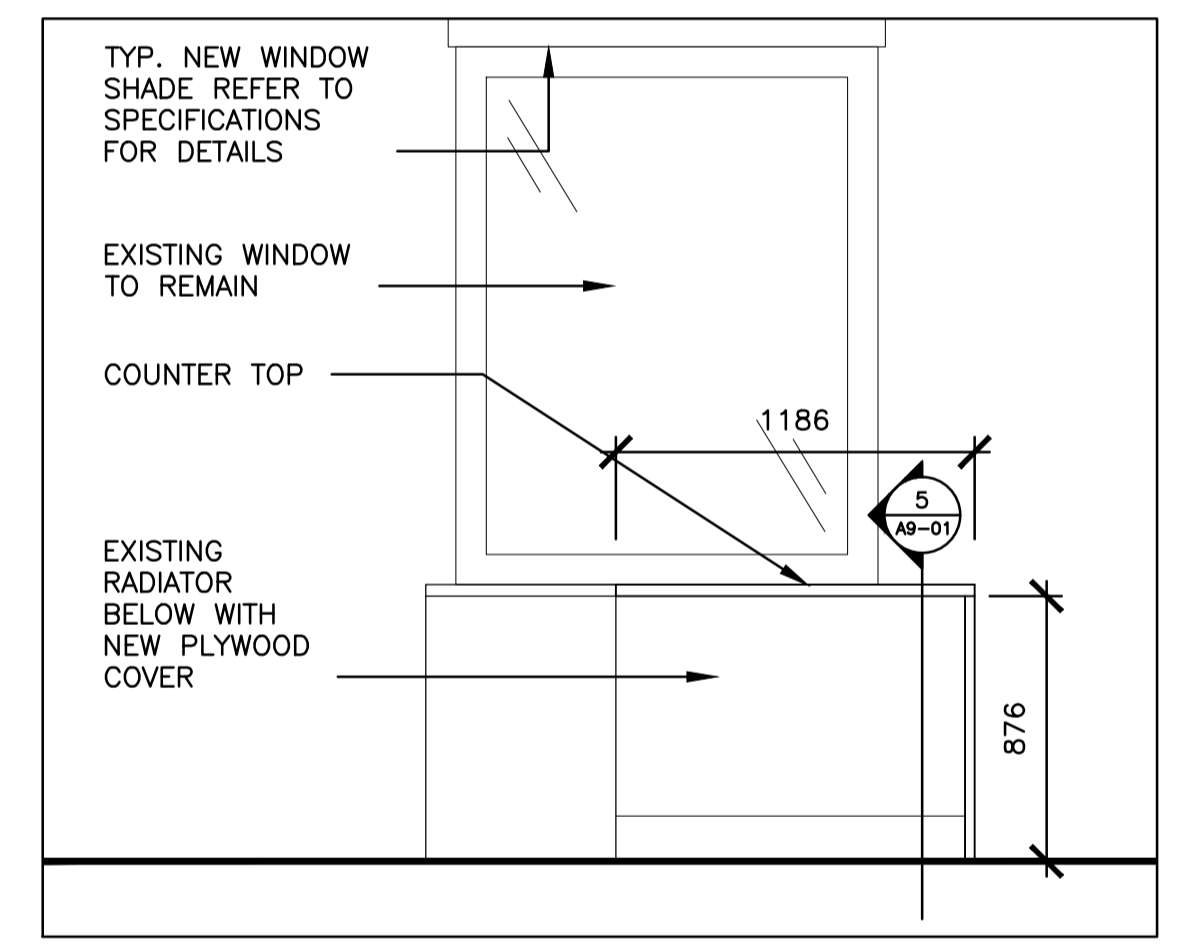
project date
date du projet **2016-06-03**

project no.
no. du projet **R.079534.002** DLG110377-02

drawing no.
dessiné no. **A9-01**



5 DENTAL SUPPORT COUNTER TOP - FRONT - SIDE
A9-01 SCALE: 1:25

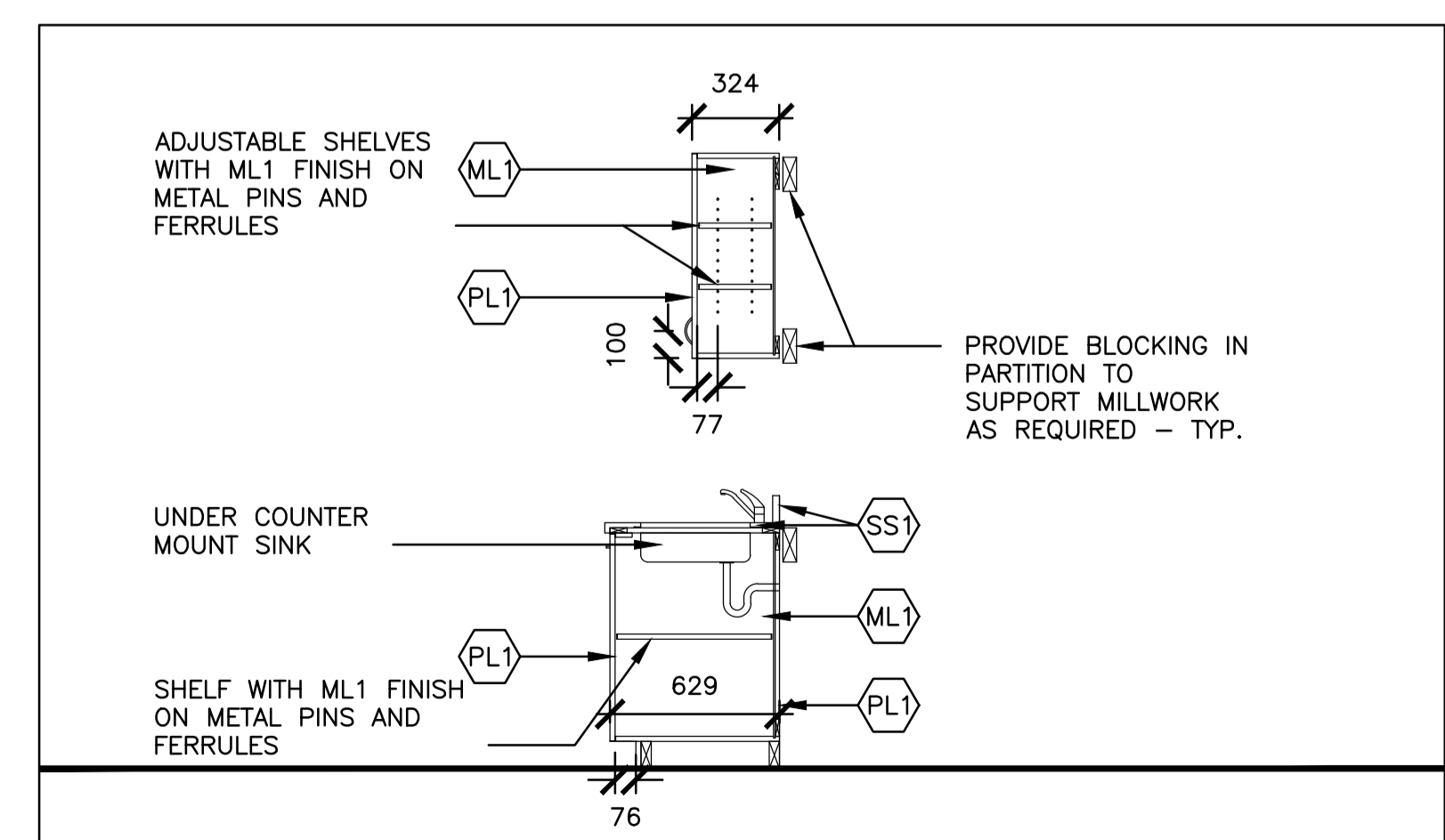


4 DENTAL SUPPORT COUNTER TOP
A9-01 SCALE: 1:25

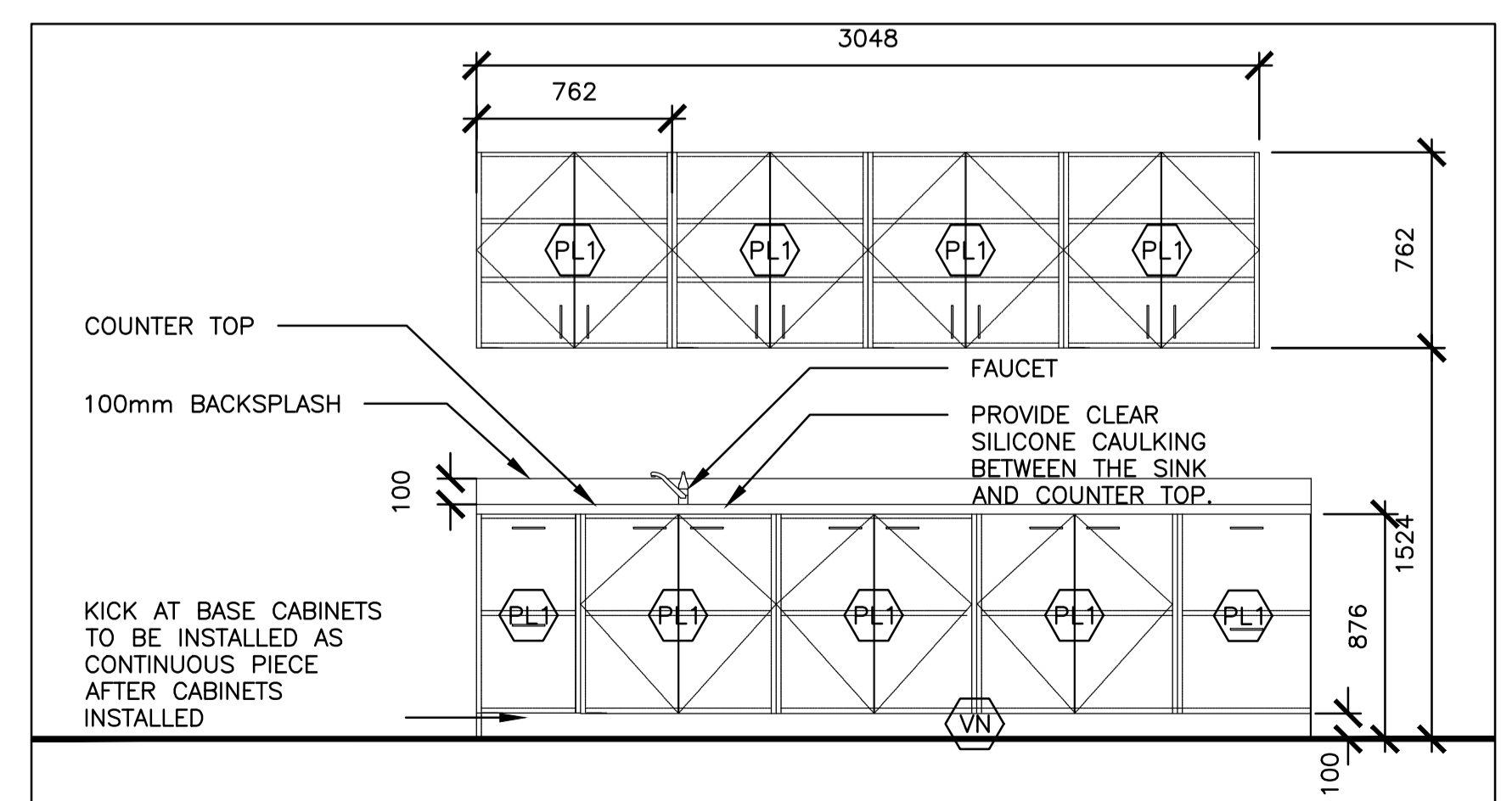
ITEMS AND DESCRIPTION		
ITEM	DESCRIPTION	LOCATION
PL1	HIGH PRESSURE LAMINATE COLOUR: TO BE DETERMINE BY DEPARTMENTAL REPRESENTATIVE	CABINETS
SS1	SOLID SURFACE COUNTER TOP COLOUR: TO BE DETERMINE BY DEPARTMENTAL REPRESENTATIVE	COUNTER TOP AND BACKSPLASH
ML1	MELAMINE COLOUR: TO BE DETERMINE BY DEPARTMENTAL REPRESENTATIVE	INSIDE OF CASEWORK
VN	VINYL KICK PLATE	BASE CABINETS

NOTES: CABINETS TO BE CONSTRUCTED OF 20mm THICK MATERIAL. REFER TO SPECIFICATIONS FOR MATERIALS.

3 CASEWORK SCHEDULE
A9-01 SCALE: NTS



2 UPPER AND BASE CABINET ELEVATION - SIDE
A9-01 SCALE: 1:25



1 DENTAL SUPPORT UPPER AND BASE CABINET
A9-01 SCALE: 1:25

MECHANICAL LEGEND

MEDICAL PIPING AND SYSTEMS

- VAC --- DENTAL VACUUM PIPING
- MA --- DENTAL AIR PIPING

PLUMBING AND PIPING

- FOO ⊕ FLOOR CLEANOUT
- COI | CLEANOUT
- T --- RUNNING TRAP
- D --- DRAIN - FLOOR/AREA
- R --- DRAIN - ROOF
- ⊕ METER
- HB + HOSE BIBB - C/W ISOLATION VALVE
- WC-1 PLUMBING FIXTURE TAG
- SAN --- BACKWATER VALVE
- SAN --- SANITARY SEWER - ABOVE GRADE
- SAN --- SANITARY SEWER - BELOW GRADE
- SV --- SANITARY SEWER - VENT
- ST --- STORM SEWER - ABOVE GRADE
- ST --- STORM SEWER - BELOW GRADE
- DCW --- DOMESTIC COLD WATER
- DHW --- DOMESTIC HOT WATER
- DHWR --- DOMESTIC HOT WATER RECIRC.
- T --- DOMESTIC WATER TEMPERED
- HEAT TRACED PIPING

PIPE VALVES AND FITTINGS

- PIPE DROP
- PIPE RISE
- 2-WAY CONTROL VALVE
- 3-WAY CONTROL VALVE
- SOLENOID VALVE
- PISTON OPERATED VALVE
- MOTOR OPERATED VALVE
- ISOLATION VALVE
- GATE VALVE - HAND OPERATED
- GLOBE VALVE - HAND OPERATED
- BALANCING VALVE
- PLUG VALVE - HAND OPERATED
- CHECK VALVE
- BUTTERFLY VALVE
- ANGLE VALVE - HAND OPERATED
- PRESSURE REDUCING VALVE
- STRAINER
- SUPERVISED ISOLATION VALVE
- BACKFLOW PREVENTOR
- PUMP (SCHEMATIC)
- PIPE ANCHOR AND GUIDES
- UNION
- RELIEF SAFETY VALVE OR RELIEF VALVE
- PR PRESSURE REGULATOR

AIR DISTRIBUTION

- > DN --- SUPPLY AIR DUCT
- < DN --- RETURN AIR DUCT
- > DN --- EXHAUST AIR DUCT
- < DN --- RELIEF AIR DUCT
- > DN --- OUTSIDE AIR DUCT
- F BALANCING DAMPER
- BDD BACK DRAFT DAMPER
- M MOTORIZED DAMPER
- FD FIRE DAMPER
- SD SMOKE DAMPER
- FSF FIRE STOP FLAP
- TURNING VANES
- ACOUSTIC LINED DUCTWORK
- FLEX CONNECTION
- AIR TERMINAL BOX
- AIR TERMINAL BOX TAG
- BOX NO. TB-101
- MIN. DESIGN AIRFLOW (L/S) 100
- COIL (KW) 5.0

NOTE :
FLOW INDICATED ON THIS TAG IS MINIMUM DESIGN AIRFLOW. MAXIMUM DESIGN AIRFLOW IS THE SUM OF ALL DIFFUSER AIRFLOWS CONNECTED TO THIS TERMINAL BOX. MAXIMUM DESIGN AIRFLOW IS NOT INDICATED ON THIS TAG.

AIR OUTLET TAG

TYPE	SUPPLY	TYPE S
SIZE	RETURN	TYPE R
FLOW (L/S)	EXHAUST	TYPE E

EQUIPMENT TAG

- U/C DOOR UNDERCUT
- DOOR GRILLE (SIZE NOTED)
- DIRECTION OF AIR FLOW

DUCT DIMENSIONING (CLEAR INSIDE DUCT DIMENSION)

- 300# ROUND DUCT
- 300/200 OV OVAL DUCT (WHERE 300 IS THE VISIBLE DIM.)
- 300x200 RECTANGULAR DUCT (WHERE 300 IS THE VISIBLE DIM.)
- 300X200 SINGLE LINE DUCT REPRESENTATION

RENOVATION/DEMO.

- EXISTING TO REMAIN
- X- EXISTING TO BE DEMOLISHED
- NEW
- SPRINKLER HEAD - EXISTING
- SPRINKLER HEAD - NEW
- ⊗ SPRINKLER HEAD - DEMOLISHED

MECHANICAL DRAWING LIST

M0.01	MECHANICAL SCHEDULE & DRAWING LIST
M1.01	MECHANICAL FIRE PROTECTION AND HVAC DEMOLITION WORK PLAN
M2.01	MECHANICAL FIRE PROTECTION AND HVAC NEW WORK PLAN
M2.02	MECHANICAL PLUMBING NEW WORK PLAN
M2.03	MECHANICAL MEDICAL GAS NEW WORK PLAN
M2.04	MECHANICAL ROOF PLAN
M3.01	MECHANICAL SCHEMATICS
M4.01	MECHANICAL SCHEDULES
M5.01	MECHANICAL DETAILS

Public Works and Government Services Canada
Architectural and Engineering Services
Ontario Region

Travaux publics et Services gouvernementaux Canada
Services d'architecture et de génie
Région de l'Ontario

DIALOG™



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KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9

X-RAY AND DENTAL ROOMS, CBI (MIN)

drawing title
titre du dessin
MECHANICAL LEGENDS, SCHEDULE & DRAWING LIST

drawn by
dessiné par **JPK**

designed by
conçu par **DM/RD**

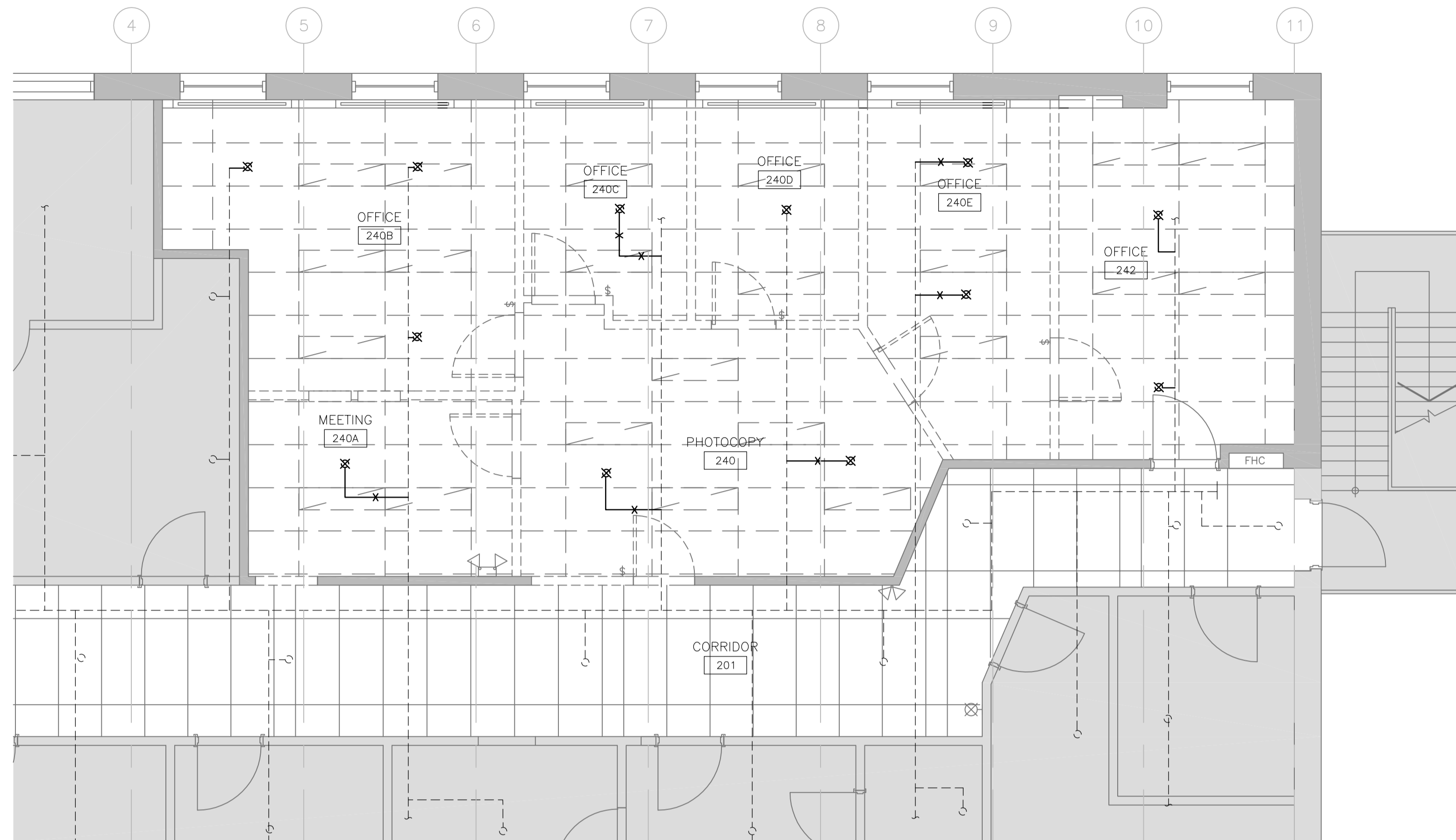
approved by
approuvé par **R.NORTHCOOT**

tender
soumission **Y. KODAI** project manager
administrateur de projets

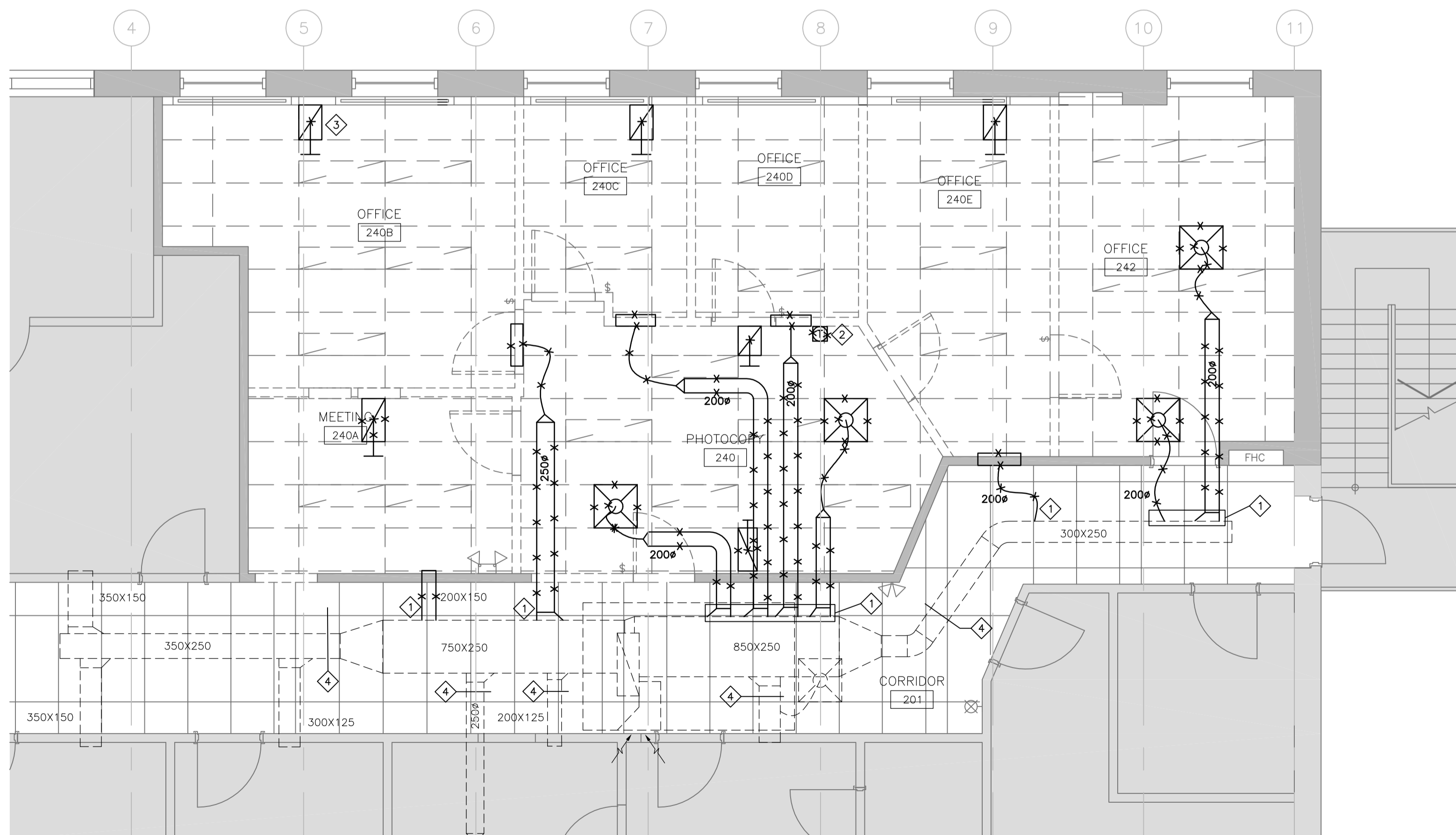
project date
date du projet **2016-06-03**

project no.
no. du projet **R.079534.002** DLG110377-02

drawing no.
dessiné no. **M0.01**



1 MECHANICAL FIRE PROTECTION DEMOLITION WORK PLAN
M1.01 SCALE: 1:50



2 MECHANICAL HVAC DEMOLITION WORK PLAN
M1.01 SCALE: 1:50

FIRE PROTECTION DEMOLITION GENERAL NOTES

1. DEMOLISH EXISTING SPRINKLER HEADS AND PIPE CONNECTIONS AS SHOWN.
2. CONTRACTOR IS TO REVIEW THE SITE DUCT ROUTING AND SITE CONDITION AND IDENTIFY AREAS OF POTENTIAL INTERFERENCE. CONTRACTOR IS TO PROVIDE CLEARLY LABELLED SKETCHES TO DEPARTMENT REPRESENTATIVE THAT IDENTIFIES INTERFERENCES WITH NEW WORK. SUBMIT PRIOR TO ANY NEW CONSTRUCTION.

HVAC DEMOLITION GENERAL NOTES

1. DEMOLISH EXISTING DIFFUSERS, GRILLES, DUCTWORK, DUCT FITTINGS, CONTROLS, TERMINAL BOXES AS SHOWN.
2. CONTRACTOR IS TO REVIEW THE SITE DUCT ROUTING AND SITE CONDITION AND IDENTIFY AREAS OF POTENTIAL INTERFERENCE. CONTRACTOR IS TO PROVIDE CLEARLY LABELLED SKETCHES TO DEPARTMENT REPRESENTATIVE THAT IDENTIFIES INTERFERENCES WITH NEW WORK. SUBMIT PRIOR TO ANY NEW CONSTRUCTION.
3. REMOVE ALL DEBRIS AND RUBBISH AT EVERY SCHEDULED CLEAN UP.
4. ALL DEMOLISHED BRANCH DUCTWORK NOT USED FOR RECONNECTION SHALL BE CUT-BACK AND CAPPED AT MAIN AIRTIGHT.
5. PROVIDE 50 mm THICK PLEATED FILTERS ON EXISTING RETURN AIR DUCT MAIN FOR DURATION OF CONTRACT. REMOVE UPON COMPLETION.

KEYNOTES

- 1 CUT BACK AND CAP DUCTWORK AS INDICATED.
- 2 DISCONNECT AND RELOCATE THERMOSTAT AND ASSOCIATED LOCKABLE COVER.
- 3 DEMOLISH EXISTING RETURN AIR GRILLE AND ASSOCIATED DUCTWORK. (TYPICAL)
- 4 TEST AND RECORD TRAVERSE READING OF SUPPLY AIR DUCT WHEN RT-4 IS OPERATING IN NORMAL CONDITION. UPON CONSTRUCTION COMPLETION, CONTRACTOR SHALL RE-BALANCE THE SYSTEM AND RE-SHEAVE THE FAN TO MATCH TRAVERSE READINGS RECORDED BEFORE DEMOLITION. CONTRACTOR SHALL SUBMIT RECORDED DATA BEFORE DEMOLITION AND POST CONSTRUCTION BALANCING AS PART OF FULL BALANCING REPORT AS PER SPECIFICATIONS.



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titre du projet
KINGSTON CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9

X-RAY AND DENTAL ROOMS, CBI (MIN)

drawing title
titre du dessin
MECHANICAL FIRE PROTECTION AND HVAC DEMOLITION WORK PLAN

drawn by
dessiné par **JPK**

designed by
conçu par **DM/RD**

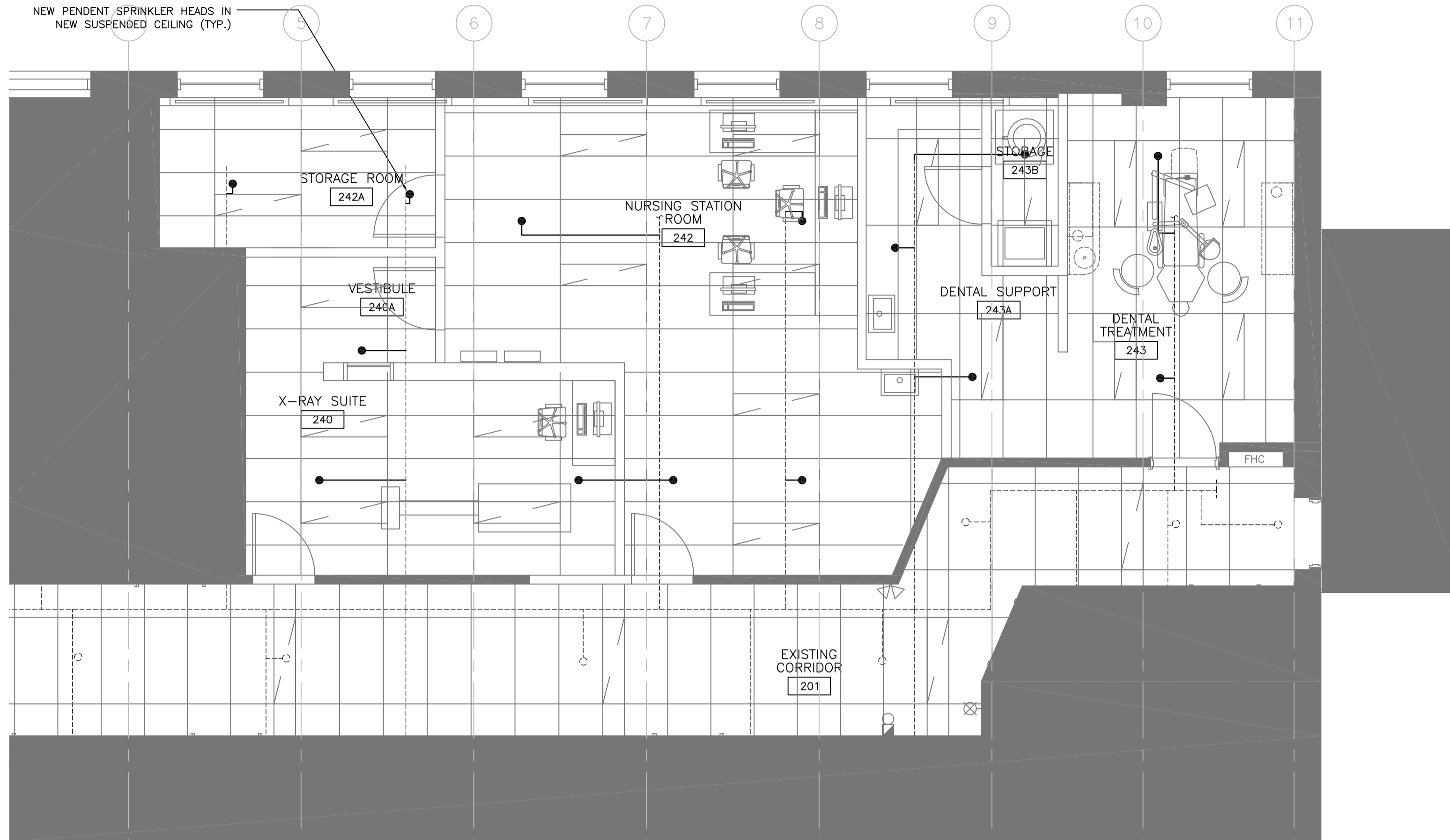
approved by
approuvé par **R.NORTHCOTT**

tender submission
soumission **Y. KODAI** project manager
administrateur de projets

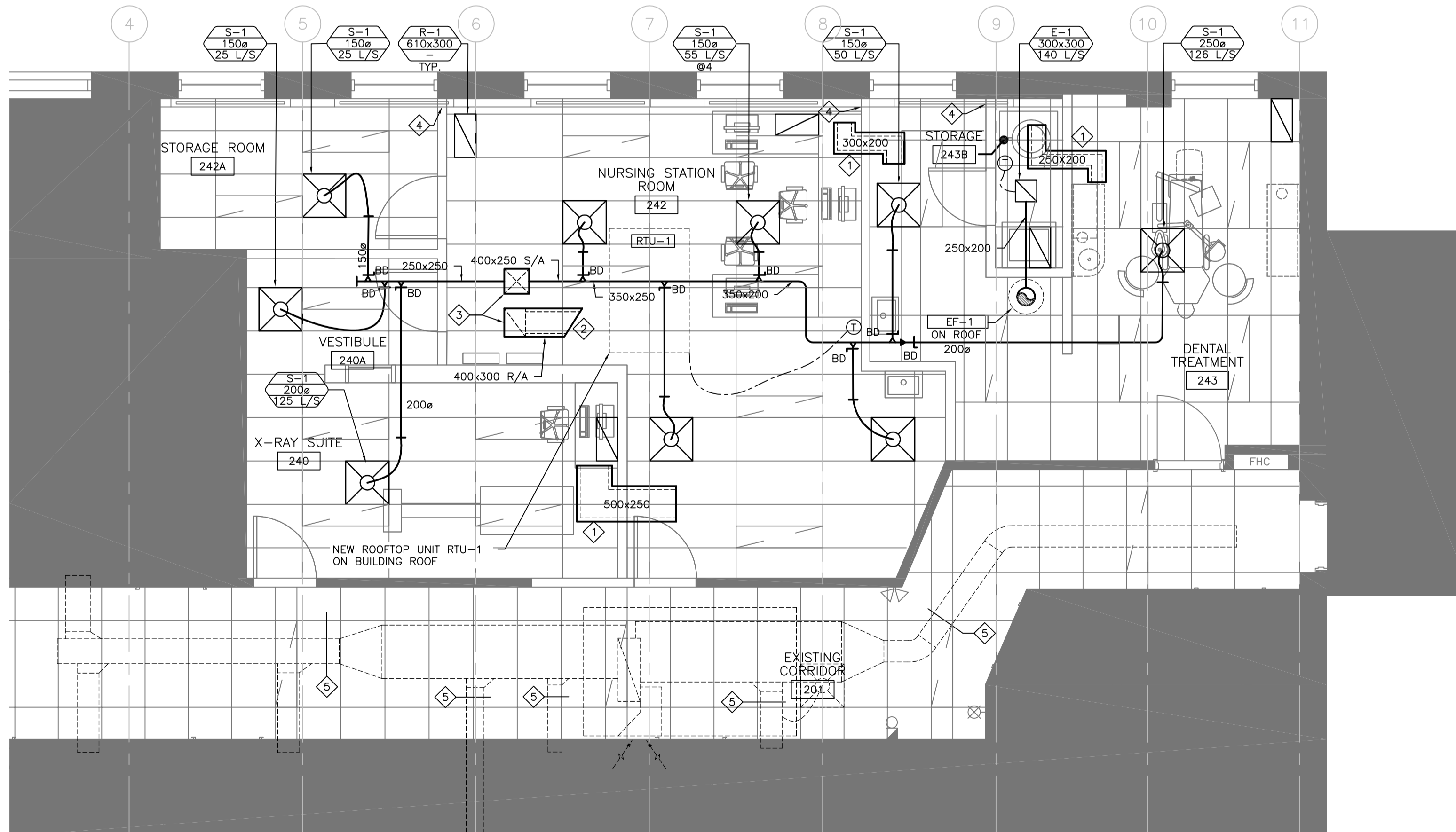
project date
date du projet **2016-06-03**

project no.
no. du projet **R.079534.002** DLG110377-02

drawing no.
dessiné no. **M1.01**



1 MECHANICAL FIRE PROTECTION NEW WORK PLAN
M2.01 SCALE: 1:50



2 MECHANICAL HVAC NEW WORK PLAN
M2.01 SCALE: 1:50

FIRE PROTECTION GENERAL NOTES

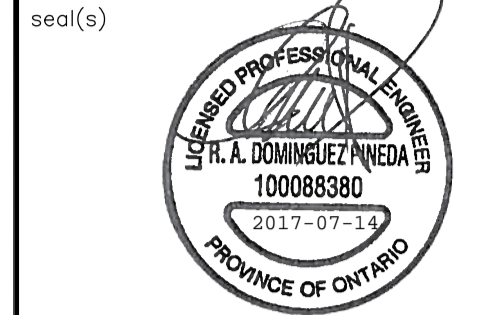
1. PROVIDE NEW SPRINKLER HEADS AND PIPING MODIFICATIONS AS INDICATED AND AS REQUIRED TO COMPLETE THE WORK. CONTRACTOR TO VERIFY SIZE OF EXISTING PIPING ON SITE. CONTRACTOR TO COORDINATE PLACEMENT OF SPRINKLER HEADS TO AVOID INTERFERENCE WITH OTHER WORK.
2. INSTALL NEW SPRINKLER HEADS AND PIPING IN ACCORDANCE WITH NFPA 13 AND REQUIREMENTS OF AUTHORITY HAVING JURISDICTION. REFER TO SPECIFICATIONS FOR FURTHER DETAILS.
3. REMOVE ALL DEBRIS AND RUBBISH DAILY AND ONCE WORK IS COMPLETE.
4. SPRINKLER CONTRACTOR TO SUBMIT LETTER STATING ALL SPRINKLER WORK IS COMPLETE AND IN ACCORDANCE WITH NFPA 13. LETTER IS TO BE SIGNED AND STAMPED BY A LICENSED PROFESSIONAL ENGINEER.
5. THIS DRAWING INDICATES GENERAL INTENT OF DESIGN ONLY. CONTRACTOR TO VERIFY SITE CONDITION BEFORE COMMENCING WORK. REPORT TO ENGINEER ANY DISCREPANCIES.
6. COORDINATE FINAL LOCATION OF PIPING AND SPRINKLERS WITH HVAC, PLUMBING AND ELECTRICAL TRADES.

HVAC GENERAL NOTES

1. PROVIDE NEW DUCTWORK, EQUIPMENT, DIFFUSERS, FITTINGS, AND ACCESSORIES AS INDICATED AND AS REQUIRED TO COMPLETE WORK.
2. REMOVE ALL DEBRIS AND RUBBISH ONCE WORK IS COMPLETE.
3. THIS DRAWING INDICATES GENERAL INTENT OF DESIGN ONLY. CONTRACTOR TO VERIFY SITE CONDITION BEFORE COMMENCING WORK. REPORT TO ENGINEER ANY DISCREPANCIES.
4. COORDINATE FINAL LOCATION OF PIPING AND SPRINKLERS WITH FIRE PROTECTION, PLUMBING, AND ELECTRICAL TRADES.
5. DUCT TAKEOFFS TO MATCH DIFFUSER NECK SIZE UNLESS INDICATES OTHERWISE.

KEYNOTES

- 1 TRANSFER AIR DUCTS COMPLETE WITH ACOUSTIC LINING
- 2 RETURN AIR DUCT WITH ACOUSTIC LINING
- 3 350X350 S/A AND 400X300 R/A DUCT UP TO RTU-1
- 4 PROVIDE SOUND Baffle AT PERIMETER CONVECTOR. REFER TO DETAIL3/M5.01.
- 5 BALANCE AND RESHEAVE RT-4 TO MATCH RECORDED READINGS PRIOR TO DEMOLITION.



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KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9

X-RAY AND DENTAL ROOMS, CBI (MIN)

drawing title
titre du dessin
MECHANICAL FIRE PROTECTION AND HVAC NEW WORK PLAN

drawn by
dessiné par **JPK**

designed by
conçue par **DM/RD**

approved by
approuvé par **R.NORTHCOTT**

tender
soumission **Y. KODAI** project manager
administrateur de projets

project date
date du projet **2016-06-03**

project no.
no. du projet **R.079534.002** DLG110377-02

drawing no.
dessiné no. **M2.01**



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2. PROVIDE NEW EQUIPMENT INCLUDING PIPING, VALVES, FITTINGS, FIXTURES AND ACCESSORIES AS INDICATED.
3. COORDINATE FINAL LOCATION OF EQUIPMENT AND NEW WORK WITH ALL TRADES.
4. ALL PLUMBING FIXTURES SHALL BE VENTED AND ALL TRAPS SHALL BE PRIMED AS PER NATIONAL PLUMBING CODE.

revision		date
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 CORRECTIONAL SERVICE CANADA
 1455 BATH RD, KINGSTON ON K7L 4V9

X-RAY AND DENTAL ROOMS, CBI (MIN)

drawing title
 titre du dessin
MECHANICAL PLUMBING
NEW WORK PLAN

drawn by
 dessiné par **JPK**

designed by
 conc par **DM/RD**

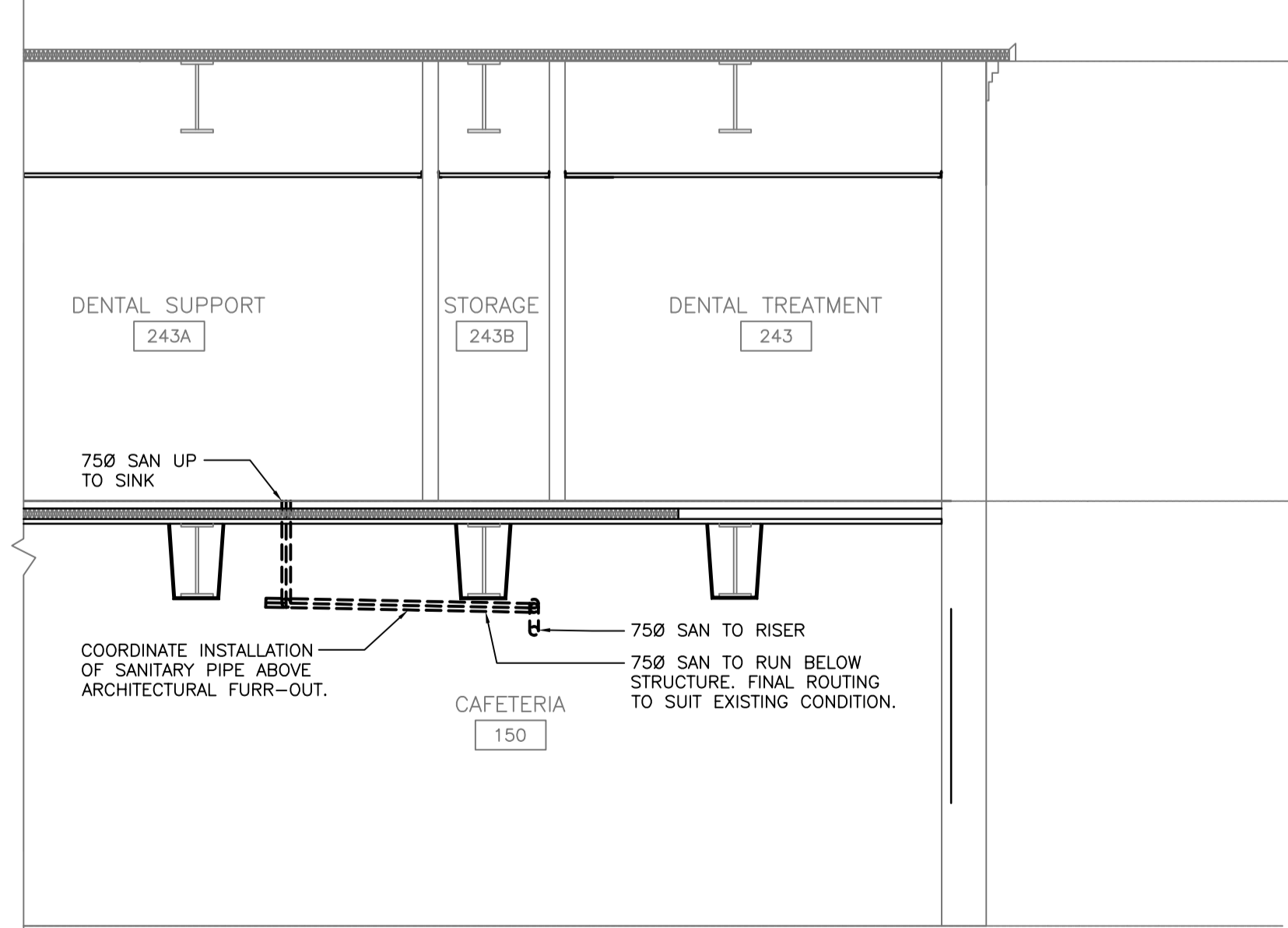
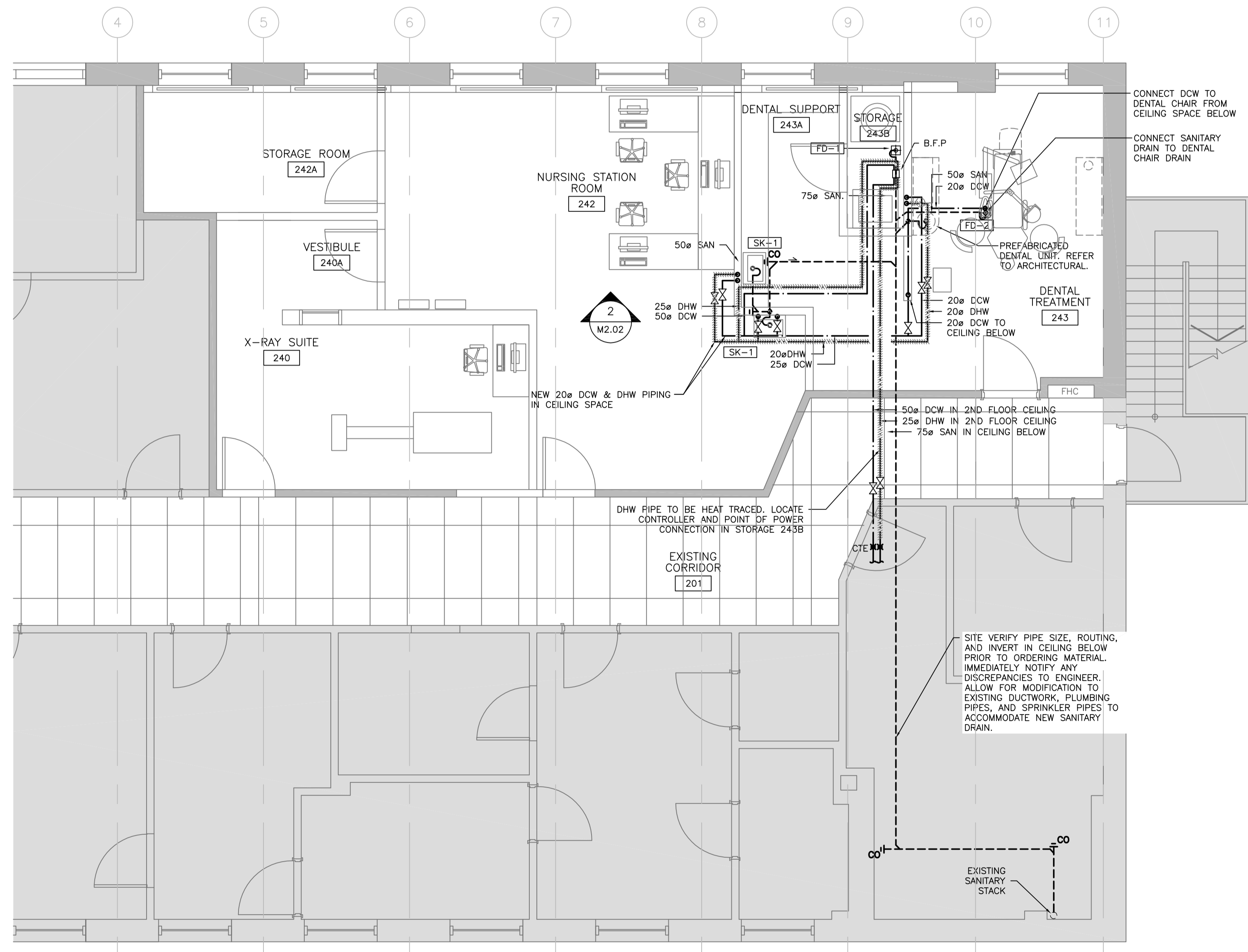
approved by
 approuvé par **R.NORTHCOTT**

tender
 soumission **Y. KODAI** project manager
 administrateur de projets

project date
 date du projet **2016-06-03**

project no.
 no. du projet **R.079534.002** DLG11037T-02

drawing no.
 dessiné no. **M2.02**



2 GROUND FLOOR SECTION
 M2.02 SCALE: 1:50

1 MECHANICAL PLUMBING NEW WORK PLAN
 M2.02 SCALE: 1:50

seal(s)



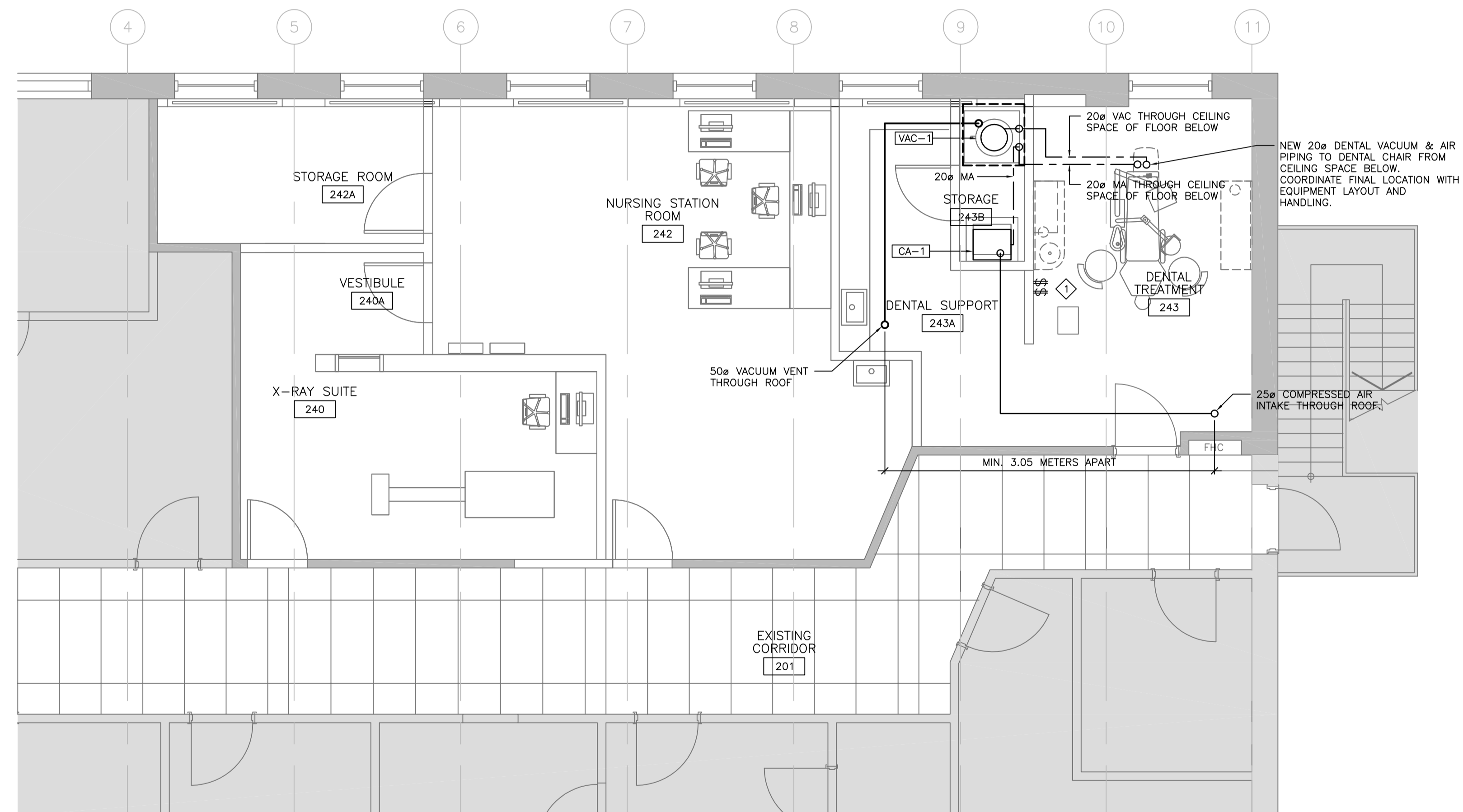
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2. PROVIDE NEW EQUIPMENT INCLUDING PIPING, VALVES, FITTINGS, AND ACCESSORIES AS INDICATED.
3. COORDINATE FINAL LOCATION OF EQUIPMENT AND NEW WORK WITH ALL TRADES.
4. REFER TO 1/M3.01 FOR VACUUM AND COMPRESSED AIR PIPING SCHEMATIC.

KEYNOTES

- ① COORDINATE LOCATION OF AIR COMPRESSOR & VACUUM DISCONNECT WITH DIV 26.



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**KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9**
**X-RAY AND DENTAL ROOMS,
CBI (MIN)**

drawing title
titre du dessin
**MECHANICAL MEDICAL GAS
NEW WORK PLAN**

drawn by
dessiné par **JPK**

designed by
conçu par **DM/RD**

approved by
approuvé par **R.NORTHCOTT**

tender
soumission **Y. KODAI** project manager
administrateur de projets

project date
date du projet **2016-06-03**

project no.
no. du projet **R.079534.002** DLG110377-02

drawing no.
dessiné no. **M2.03**

1 MECHANICAL MEDICAL GAS NEW WORK PLAN
M2.03 SCALE: 1:50

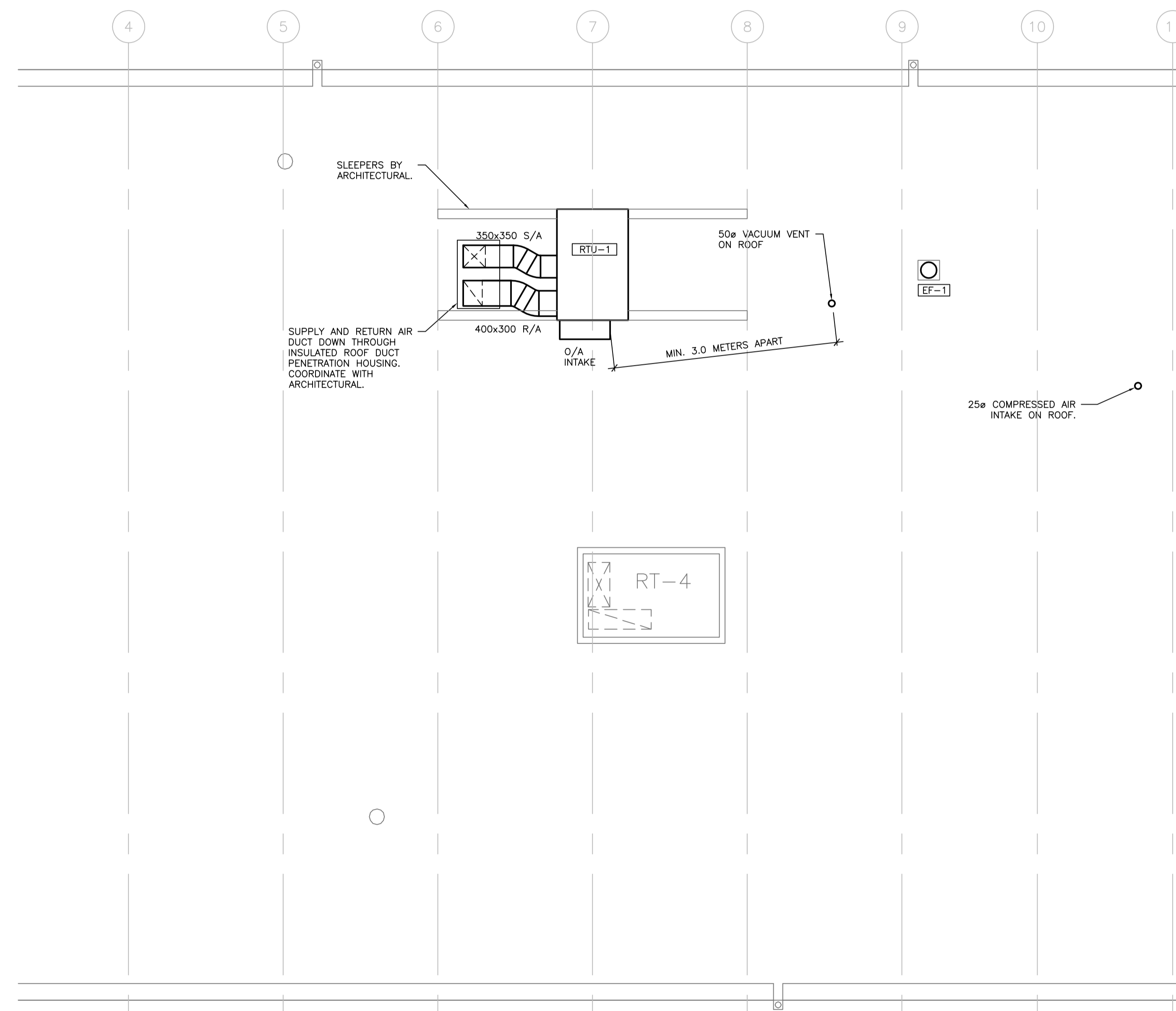
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2. SITE VERIFY EXISTING SERVICES ON ROOF. ENSURE ALL EQUIPMENT CLEARANCES ARE ADHERED TO.



revision	date
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02	-
01	-

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1455 BATH RD, KINGSTON ON K7L 4V9
X-RAY AND DENTAL ROOMS,
CBI (MIN)

drawing title
titre du dessin
MECHANICAL ROOF PLAN

drawn by
dessiné par GC

designed by
conçue par JPK

approved by
approuvée par R.NORTHCOTT

tender
soumission Y. KODAI project manager
administrateur de projets

project date
date du projet 2016-06-03

project no.
no. du projet DLG11037T-02

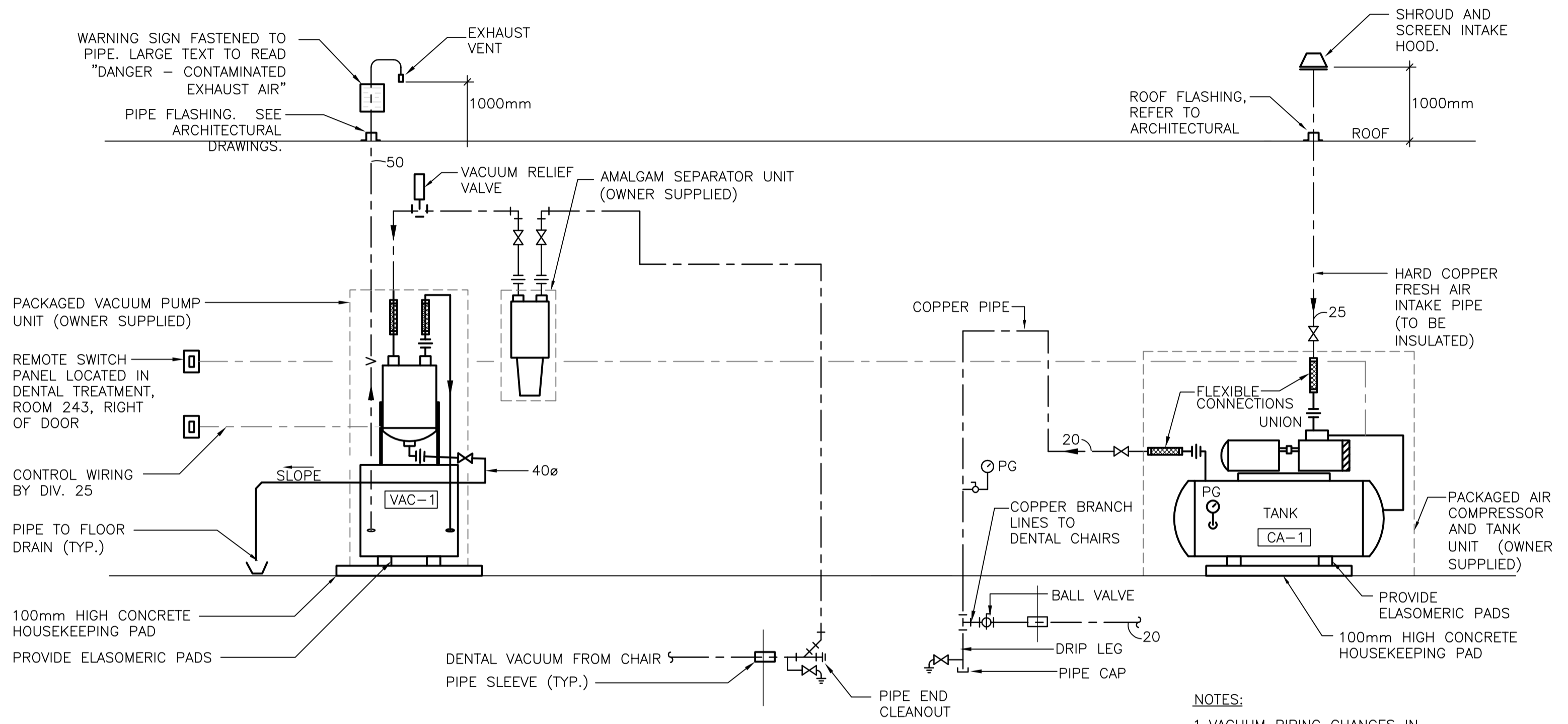
R.079534.002

drawing no.
dessiné no. M2.04

1 MECHANICAL ROOF PLAN
M2.04 SCALE: 1:50



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- NOTES:**
- VACUUM PIPING CHANGES IN DIRECTION TO BE MADE ONLY FROM "Y" FITTING AND 45° BENDS.
 - SLOPE ALL PIPING BELOW FLOOR TOWARDS DRAIN VALVE. MINIMUM 0.2% SLOPE.
 - CONFIRM EXACT PIPING REQUIREMENT INCLUDING TAPERING AND STAGGERED Y-BRANCH CONNECTIONS WITH EQUIPMENT SUPPLIER BEFORE INSTALLATION.
 - EQUIPMENT TO BE PROVIDED BY CONTRACTOR UNLESS OTHERWISE INDICATED.

05	BID	2017-07-14
04	BID REVIEW	2017-04-21
03	99% CD	2017-03-10
02	50% CD	2016-11-04
01	PROGRESS REVIEW	2016-09-07
revision		date

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A	Detail No. No. du détail
B	drawing no. - where detail required dessin no. - où détail exigé
C	drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9
X-RAY AND DENTAL ROOMS,
CBI (MIN)

drawing title
titre du dessin
MECHANICAL SCHEMATICS

drawn by
dessiné par **JPK**

designed by
conçu par **DM/RD**

approved by
approuvé par **R.NORTHCOTT**

tender
soumission **Y. KODAI** project manager
administrateur de projets

project date
date du projet **2016-06-03**

project no.
no. du projet **R.079534.002**

drawing no.
dessiné no. **M3.01**

1 DENTAL SUITE VACUUM AND COMPRESSED AIR PIPING SCHEMATIC
 M3.01 SCALE: N.T.S.

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	DESCRIPTION/TRIM
FD-1	FLOOR DRAIN	EPOXY COATED CAST IRON FLOOR DRAIN, ANCHOR FLANGE, REVERSIBLE MEMBRANE CLAMP WITH PRIMARY AND SECONDARY WEEPHOLES, 6MM THICK ADJUSTABLE NICKEL BRONZE STRAINER.
FD-2	FUNNEL FLOOR DRAIN	EPOXY COATED CAST IRON FLOOR DRAIN, ANCHOR FLANGE, REVERSIBLE MEMBRANE CLAMP WITH PRIMARY AND SECONDARY WEEPHOLES, 6MM THICK ADJUSTABLE NICKEL BRONZE STRAINER, 100MMX225MM OVAL NICKEL BRONZE FUNNEL.
SK-1	WALL HUNG SINK	<p>SINK: 457 MM (18") X 381 MM (15") X 178 MM (7"), RECTANGULAR, 16 GA. (1.5 MM) TYPE 304 STAINLESS STEEL SEAMLESS WELD CONSTRUCTION, SATIN FINISH, 76 MM (3") HIGH BACKSPASH, 1-1/2" (38 MM) DIAMETER DRAIN PUNCHING, MOUNTING BRACKET PROVIDED. OFF-FLOOR, WALL OUTLET, SINGLE TEMPERATURE AIR-CONTROL, METERING, DECK MOUNTED SPOUT, 1.4 GPM (5.4 LPM), INSTALLED ON FINISHED WALL FROM THE FRONT SIDE, INSTALLER SHALL SUPPLY MOUNTING SCREWS AND ANCHOR SHIELDS, CONFORM WITH LEAD-FREE REQUIREMENTS FOR NSF61, SECTION 9, 1997 AND CHSC 116875. PROVIDE ACCESS TO VALVE FOR INSTALLATION AND SERVICE.</p> <p>BELOW DECK MECHANICAL WATER MIXING VALVE: BRONZE BODY, TEMPERATURE ADJUSTING DIAL, 10 MM (3/8") INLETS AND OUTLET COMPRESSION FITTINGS, HIGH TEMPERATURE THERMOSTATIC LIMIT STOP, SHUT-OFF WITH AUTOMATIC RESET WHEN TEMPERATURE EXCEEDS 120 °F (48.8 °C), INTEGRAL CHECKS, OFFER TEMPERATURE RANGE FROM FULL COLD THROUGH 46 °C (114.8 °F). PROVIDE TEE, ADAPTORS AND FLEX. COPPER TUBING TO SUIT INSTALLATION.</p> <p>OPEN GRID DRAIN: CAST BRASS ONE PIECE TOP, 17 GA. (1.5 MM) TUBULAR 32 MM (1-1/4") TAILPIECE.</p> <p>FAUCET SUPPLIES: CHROME PLATED FINISH POLISHED BRASS, COMMERCIAL DUTY 1/4 TURN BALL VALVE ANGLE STOPS, 13 MM (1/2") I.D. INLET X 127 MM (5") HORIZONTAL EXTENSION TUBES, COMBINATION V.P. LOOSE KEY HANDLES, ESCUTCHEON AND FLEXIBLE COPPER RISERS.</p> <p>P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY, WITH SLIP NUT, 32 MM (1-1/4") SIZE, SHALLOW WALL FLANGE AND SEAMLESS TUBULAR WALL BEND.</p> <p>FIXTURE CARRIER, MOUNTED ON CONCRETE FLOOR, EPOXY COATED TOP AND BOTTOM UNIVERSAL STEEL HANGER PLATES, HEAVY GAUGE EPOXY COATED STEEL OFFSET UPRIGHTS WITH WELDED FEET SUPPORTS. FOR ONE UNIT: 102 MM (4") FOR TWO TO SIX UNITS IN A ROW: 152 MM (6") FINISHED METAL STUD WALL TO BACK OF PIPE SPACE.</p>

ROOFTOP UNIT SCHEDULE

TAG	SERVICE	SUPPLY AIR FLOW (L/S)	OUTDOOR AIR FLOW (L/S)	TOTAL COOLING CAPACITY	TOTAL ELECTRIC HEATING CAPACITY	E.S.P (PA)	MOTOR (KW)	V/PH/Hz	MOP (AMP)	NOTES
RTU-1	240, 242 & 243	566	170	10.9 KW	18 KW	125.00	0.53	575/3/60	25	<ol style="list-style-type: none"> 1. PROVIDE NEW SLEEPERS ON ROOF. INSTALL AND COORDINATE WITH ROOFING CONTRACTOR. 2. BALANCE OUTDOOR AIR DAMPER TO ACHIEVE MINIMUM OUTDOOR AIRFLOW VALUE AS SHOWN. 3. PROVIDE NEW MERV 13 FILTER UPON CONSTRUCTION COMPLETION 4. PROVIDE NEW 7 DAY PROGRAMMABLE THERMOSTAT. 5. PROVIDE WEATHER PROOF CONVENIENCE OUTLET, 120V. COORDINATE WITH ELECTRICAL.

EXHAUST FAN SCHEDULE

TAG	SERVICE	AIR FLOW (L/S)	E.S.P (PA)	MOTOR (KW)	V/PH/Hz	MOTOR (RPM)	NOTES
EF-1	STORAGE 243B	140	75.00	0.07	115/1/60	-	C/W VIBRATION ISOLATION. PROVIDE FACTORY MOUNTED SPEED CONTROLLER, AND REVERSE ACTING THERMOSTAT, PREMANUFACTURED ROOF CURB AS RECOMMENDED BY MANUFACTURER.

DIFFUSER, GRILLE SCHEDULE

TAG	SERVICE	MOUNTING	COLOUR	NOTES
S-1	S/A	T-BAR	WHITE	SQUARE PLAQUE DIFFUSER, 610X610 IMPERIAL MODULE, STEEL CONST., POWDER COAT FIN..
R-1	R/A	T-BAR	WHITE	EGG CRATE FACE R/A GRILLE, 610x305 ALUMINUM CONST., POWDER COAT FIN..
E-1	E/A	T-BAR	WHITE	EGG CRATE FACE E/A GRILLE, ALUMINUM CONST., POWDER COAT FIN..

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE	DRAIN		VENT	COLD WATER	HOT WATER
	CAST IRON	DWV COPPER			
SINK	40ø	40ø	32ø	15ø	15ø
FLOOR DRAIN	75ø	-	-	-	-

DIALOG™

seal(s)

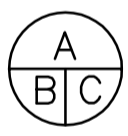




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01	PROGRESS REVIEW	2016-09-07

revision	date

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KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9

**X-RAY AND DENTAL ROOMS,
CBI (MIN)**

drawing title
titre du dessin

MECHANICAL SCHEDULE

drawn by
dessiné par **JPK**

designed by
conçue par **DM/RD**

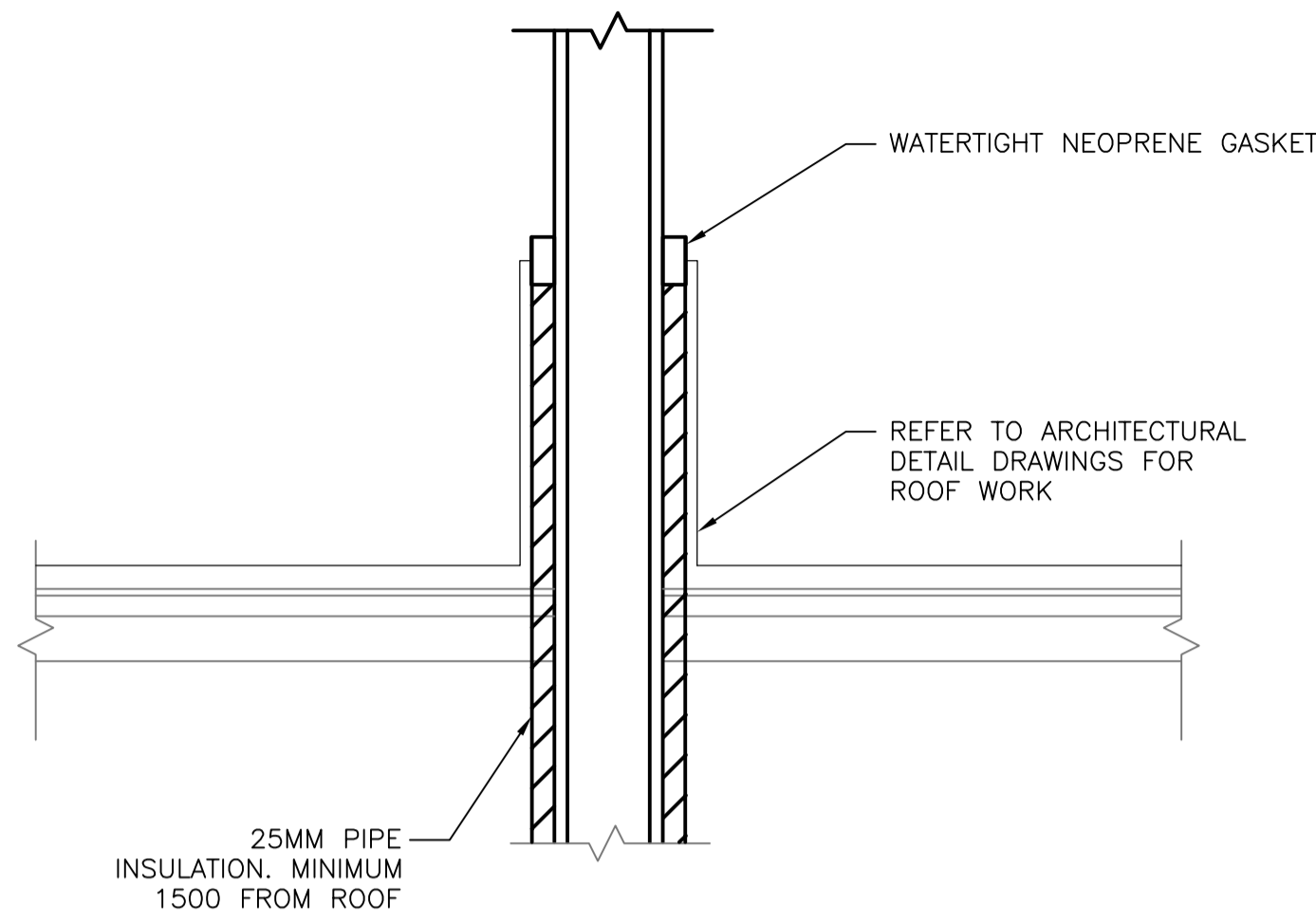
approved by
approuvé par **R.NORTHCOTT**

lender
soumission **Y. KODAI** project manager
administrateur
de projets

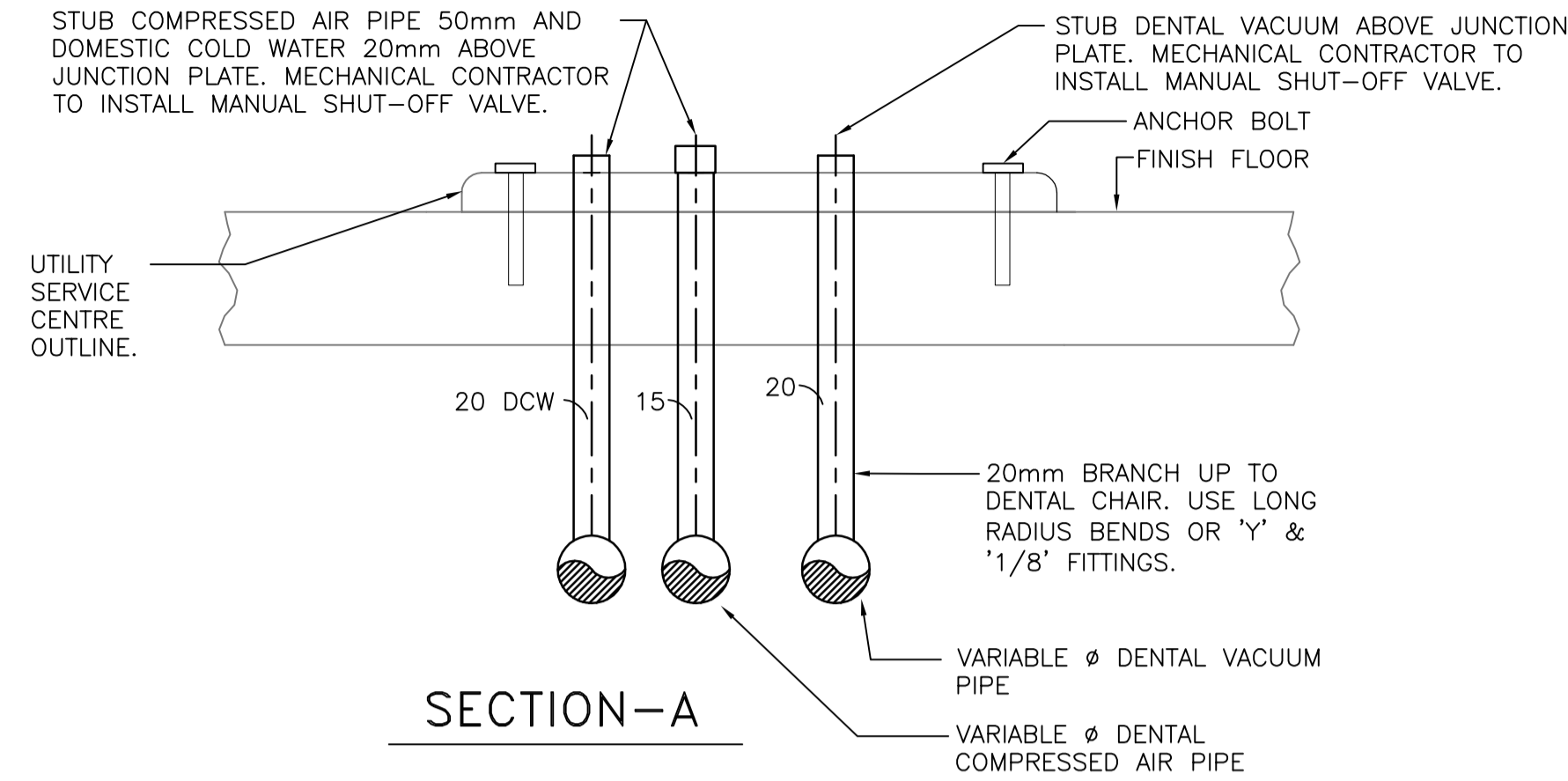
project date
date du projet **2016-06-03**

project no.
no. du projet **R.079534.002** DLG110377-02

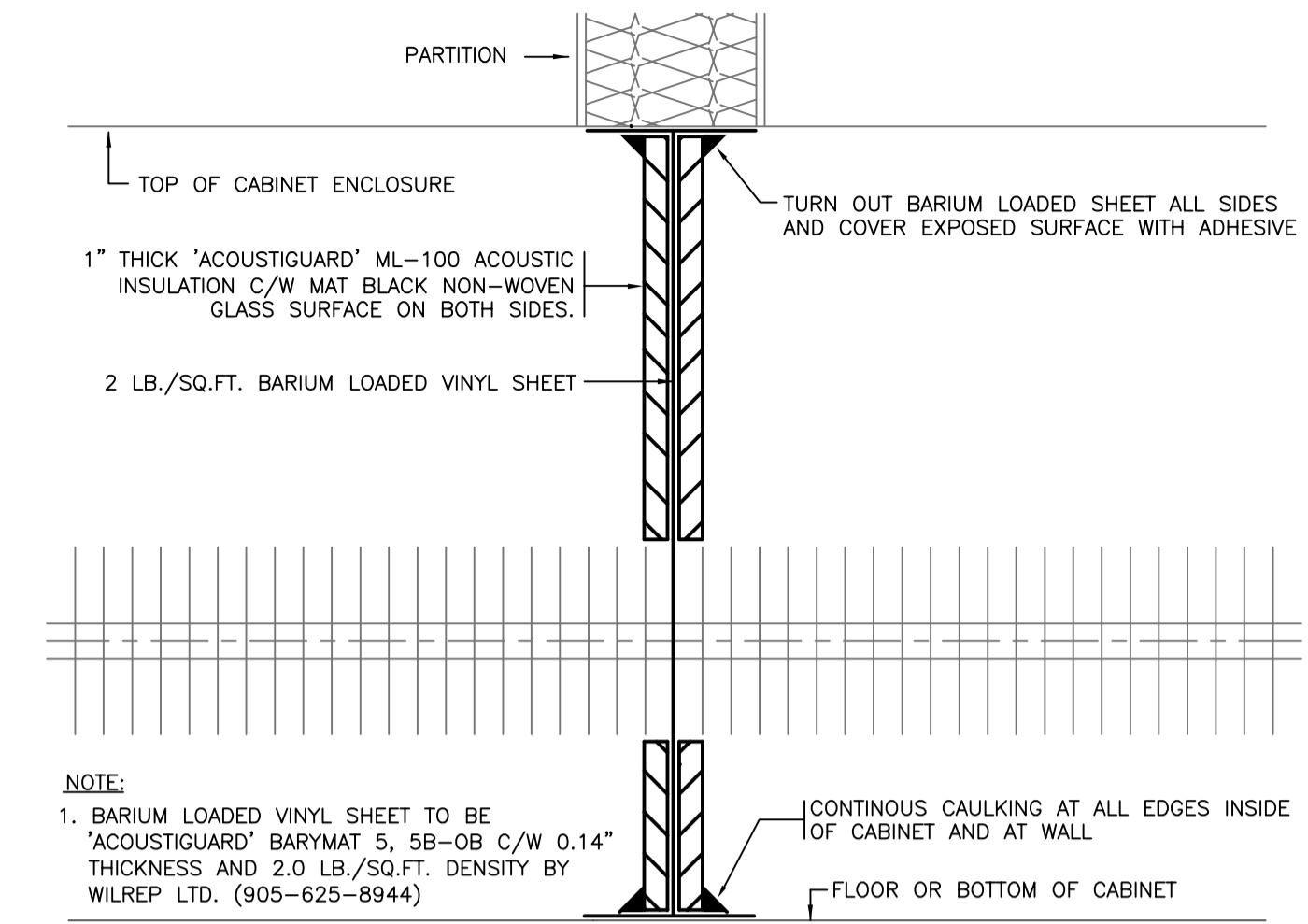
drawing no.
dessiné no. **M4.01**



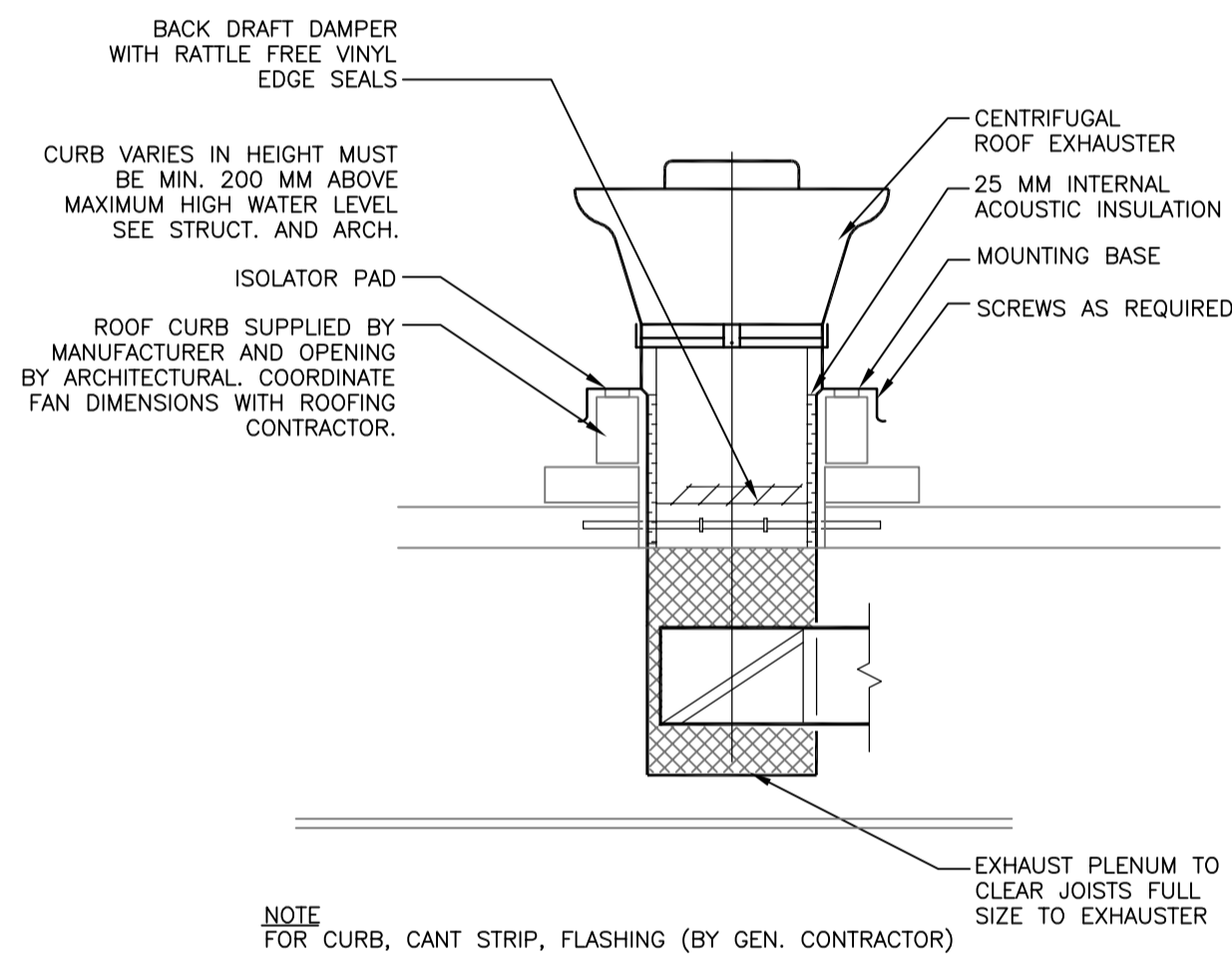
1 PLUMBING VENT DETAIL
M5.01 SCALE: 1:50



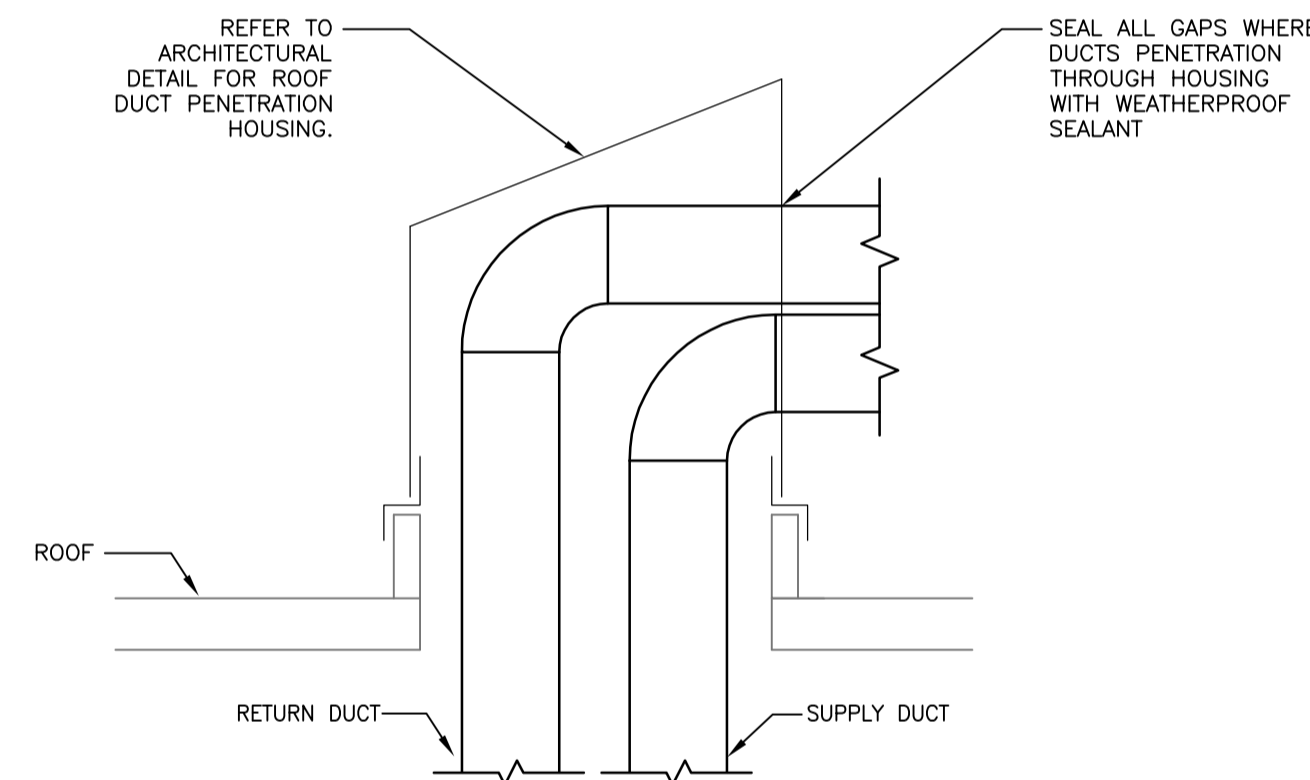
2 DENTAL CHAIR UTILITY CENTRE DETAIL
M5.01 SCALE: 1:50



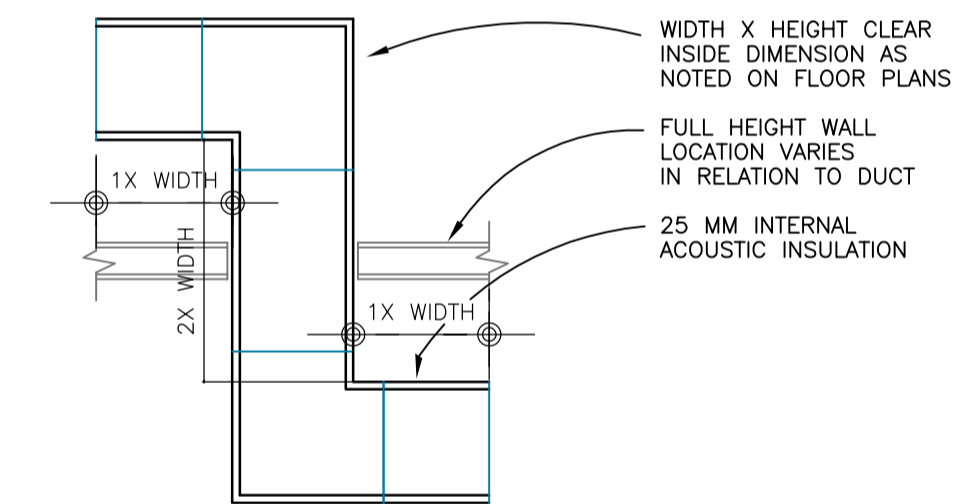
3 SOUND Baffle AT PERIMETER CONVECTOR
M5.01 SCALE: NTS



4 ROOF MOUNTED EXHAUST FAN DETAIL
M5.01 SCALE: N.T.S.



5 ROOF DUCT PENETRATION DETAIL
M5.01 SCALE: N.T.S.



6 Z-DUCT DETAIL
M5.01 SCALE: N.T.S.



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C	drawing no. - where detailed
C	dessin no. - où détaillé

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KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9
X-RAY AND DENTAL ROOMS,
CBI (MIN)

drawing title
titre du dessin
MECHANICAL DETAILS

drawn by
dessiné par **JPK**

designed by
conçu par **DM/RD**

approved by
approuvé par **R.NORTHCOTT**

tender
soumission **Y. KODAI** project manager
administrateur de projets

project date
date du projet **2016-06-03**

project no.
no. du projet **R.079534.002** DLG110377-02

drawing no.
dessiné no. **M5.01**



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CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9

X-RAY AND DENTAL ROOMS,
CBI (MIN)

drawing title
titre du dessin

**ELECTRICAL LEGENDS,
SCHEDULES AND DRAWING LIST**

drawn by
dessiné par

designed by
conc par

approved by
approuvé par

R.NORTHCOTT

tender
soumission

Y. KODAI

project manager
administrateur
de projets

project date
date du projet

2016-06-03

project no.
no. du projet

R.079534.002

drawing no.
dessiné no.

E0-01

ELECTRICAL DRAWING LIST

E0-01	ELECTRICAL LEGEND, SCHEDULES, DETAILS & DRAWING LIST
E1-01	ELECTRICAL DEMOLITION PLAN
E2-01	LIGHTING AND POWER & SYSTEMS PLANS
E2-02	ELECTRICAL ROOF PLAN

Mounting:	Flush	PANEL NUMBER: LP-2B	VOLTAGE:	120/208	V	BUS RAT.:	225
Project:		PHASES:	3	MAIN BRKR:			
Panel Loc:		WIRE:	4	INTERRUPT:			
Print Date:	Jul 14, 2017	CIRCUITS:	72	CAPACITY:			

CCT	LOAD	KVA	BRK	P	BRK	KVA	LOAD	CCT
No	TYPE	Description	SIZE	H	SIZE	TYPE	Description	No
1	EXISTING LOADS		A				EXISTING LOADS	2
3	EXISTING LOADS		B				EXISTING LOADS	4
5	EXISTING LOADS		C				EXISTING LOADS	6
7	EXISTING LOADS		A				EXISTING LOADS	8
9	EXISTING LOADS		B				EXISTING LOADS	10
11	EXISTING LOADS		C				EXISTING LOADS	12
13	EXISTING LOADS		A				EXISTING LOADS	14
15	EXISTING LOADS		B				EXISTING LOADS	16
17	EXISTING LOADS		C				EXISTING LOADS	18
19	EXISTING LOADS		A				EXISTING LOADS	20
21	EXISTING LOADS		B				EXISTING LOADS	22
23	EXISTING LOADS		C				EXISTING LOADS	24
25	EXISTING LOADS		A				EXISTING LOADS	26
27	EXISTING LOADS		B				EXISTING LOADS	28
29	EXISTING LOADS		C				EXISTING LOADS	30
31	EXISTING LOADS		A				EXISTING LOADS	32
33	EXISTING LOADS		B				EXISTING LOADS	34
35	EXISTING LOADS		C				EXISTING LOADS	36
37	EXISTING LOADS		A				EXISTING LOADS	38
39	EXISTING LOADS		B				EXISTING LOADS	40
41	EXISTING LOADS		C				EXISTING LOADS	42

CONNECTED LOAD	LOAD TYPE	DIVERSITY FACTOR	DEMAND
Phase A:	KVA LIGHTING	: KVA 1.0	KVA
Phase B:	KVA RECEPETS	: KVA 0.5	KVA
Phase C:	KVA MOTORS	: KVA 0.7	KVA
TOTAL :	KVA HEATERS	: KVA 0.7	KVA
Summer Load:	KVA OTHERS	: KVA 1.0	KVA
Winter Load:	KVA		KVA
MAXIMUM:	KVA TOTAL	: KVA	TOTAL DEMAND: KVA

Mounting:	Flush	PANEL NUMBER: RP-2F	VOLTAGE:	120/208	V	BUS RAT.:	225
Project:		PHASES:	3	MAIN BRKR:			
Panel Loc:		WIRE:	4	INTERRUPT:			
Print Date:	Jul 14, 2017	CIRCUITS:	66	CAPACITY:			

CCT	LOAD	KVA	BRK	P	BRK	KVA	LOAD	CCT
No	TYPE	Description	SIZE	H	SIZE	TYPE	Description	No
1	EXISTING LOADS		A				EXISTING LOADS	2
3	EXISTING LOADS		B				EXISTING LOADS	4
5	EXISTING LOADS		C				EXISTING LOADS	6
7	EXISTING LOADS		A				EXISTING LOADS	8
9	EXISTING LOADS		B				EXISTING LOADS	10
11	EXISTING LOADS		C				EXISTING LOADS	12
13	EXISTING LOADS		A				EXISTING LOADS	14
15	EXISTING LOADS		B				EXISTING LOADS	16
17	EXISTING LOADS		C				EXISTING LOADS	18
19	EXISTING LOADS		A				EXISTING LOADS	20
21	EXISTING LOADS		B				EXISTING LOADS	22
23	EXISTING LOADS		C				EXISTING LOADS	24
25	EXISTING LOADS		A				EXISTING LOADS	26
27	EXISTING LOADS		B				EXISTING LOADS	28
29	EXISTING LOADS		C				EXISTING LOADS	30
31			A				EXISTING LOADS	32
33			B				EXISTING LOADS	34
35			C				EXISTING LOADS	36
37	REC.	RECEPTACLES RM 240	0.80	15A	A	20A 1.80	REC. PORTABLE X-RAY MACHINE	38
39	REC.	WORKSTATION RM 240, 242	0.60	15A	B	15A 0.60	MTR. VAC-1	40
41	REC.	RECEPTACLES RM 242A, 242	0.40	15A	C	2P 0.60	MTR. CA-1	42
43	REC.	NURSING STATION RM 242	0.80	15A	A	15A 0.80	MTR. CA-1	44
45	REC.	NURSING STATION RM 242	0.60	15A	B	2P 0.80	MTR. CA-1	46
47	REC.	WORKSTATION RM 243A	0.40	15A	C	15A 1.20	REC. CEILING MTD. X-RAY MACH.	48
49	REC.	6FT RECEPTACLES RM 243A	0.60	15A	A	15A 0.80	REC. DENTAL CHAIR	50
51	REC.	RECEPTACLES RM 243A	0.60	15A	B	15A 0.80	MTR. EF-1	52
53	REC.	WORKSTATION RM 243	0.80	15A	C	15A 0.20	REC. RTU-1 6FI RECEPTACLE	54
55	REC.	RECEPTACLES RM 243	0.60	15A	A	15A 0.50	REC. PLUG FOR THERMOSTAT	56
57	REC.	RECEPTACLES RM 243	0.60	15A	B	15A 0.80	OTH. HEAT TRACING	58
59					C	2P 0.80	OTH. HEAT TRACING	60
61					A			62
63					B			64
65					C			66

CONNECTED LOAD	LOAD TYPE	DIVERSITY FACTOR	DEMAND
Phase A:	6.1 KVA LIGHTING	: KVA 1.0	KVA
Phase B:	5.1 KVA RECEPETS	: 10.7 KVA 0.5	5.4 KVA
Phase C:	4.4 KVA MOTORS	: 3.3 KVA 0.7	2.3 KVA
TOTAL :	15.6 KVA HEATERS	: KVA 0.7	KVA
Summer Load:	15.6 KVA OTHERS	: KVA 1.0	KVA
Winter Load:	15.6 KVA		KVA
MAXIMUM:	15.6 KVA TOTAL	: 14.0 KVA	TOTAL DEMAND: 7.7 KVA

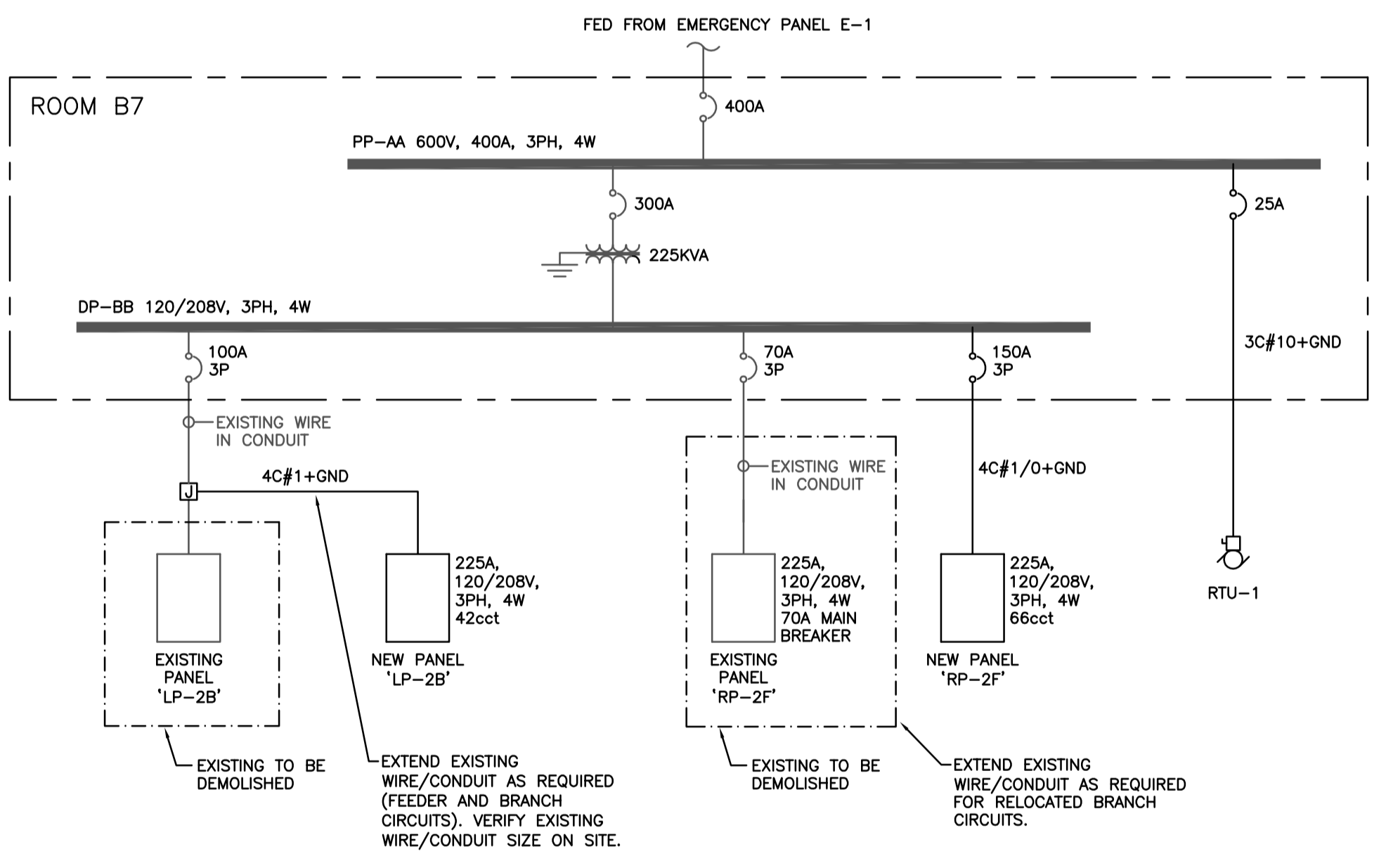
ELECTRICAL ANNOTATION AND SYMBOLS

DEVICE	DESCRIPTION
XX	LIGHTING FIXTURE, RECESSED MOUNTED, FIXTURE TYPE XX
MS	LIGHT SWITCH
MS-LV	LOW VOLTAGE SWITCH
OS	OCCUPANCY SENSOR - CEILING MOUNTED
OS-W	OCCUPANCY SENSOR - WALL MOUNTED C/W MOUNTED SWITCH AND DIMMERS WHERE REQUIRED
XX	LIGHTING FIXTURE TYPE XX (REFER TO LIGHTING FIXTURE SCHEDULE)
15A	15A 120V DUPLEX RECEPTACLE
15A	15A 120V ABOVE COUNTER DUPLEX RECEPTACLE
20A	20A 120V T-SLOT DUPLEX RECEPTACLE
15A	15A 120V GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE
15A	15A 120V GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE ABOVE COUNTER
20A	20A 120V GROUND FAULT CIRCUIT INTERRUPTER T-SLOT DUPLEX RECEPTACLE
15A	15A 120V GROUND FAULT CIRCUIT INTERRUPTER T-SLOT DUPLEX RECEPTACLE ABOVE COUNTER

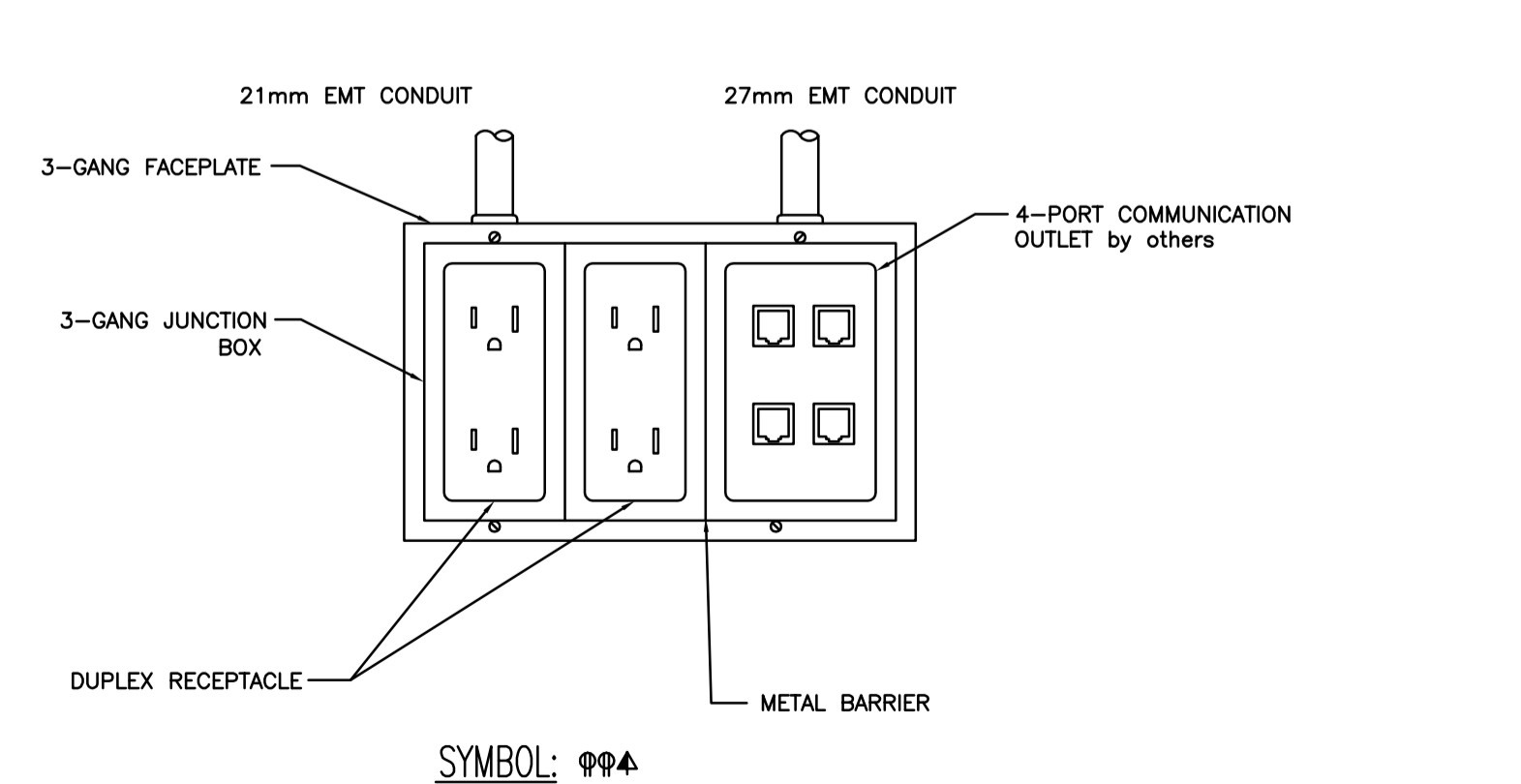
DEVICE	DESCRIPTION
20A	20A 120V GROUND FAULT CIRCUIT INTERRUPTER T-SLOT DUPLEX RECEPTACLE
20A	20A 120V GROUND FAULT CIRCUIT INTERRUPTER T-SLOT DUPLEX RECEPTACLE ABOVE COUNTER
120/208V	120/208V PANEL, SURFACE MOUNTED
DC	DIRECT CONNECTION
M	MOTOR WITH NON-FUSIBLE DISCONNECT
EF-1	MECHANICAL EQUIPMENT TAG
DATA	DATA/VOICE OUTLET, ROUGH-IN CONDUIT TO ACCESSIBLE CEILING SPACE
DATA	DATA/VOICE OUTLET, ABOVE COUNTER, ROUGH-IN CONDUIT TO ACCESSIBLE CEILING SPACE
T	THERMOSTAT
EX	EXISTING TO REMAIN
ED	EXISTING TO BE DEMOLISHED
ER	EXISTING TO BE RELOCATED
RP	RELOCATED TO NEW POSITION

MECHANICAL EQUIPMENT SCHEDULE

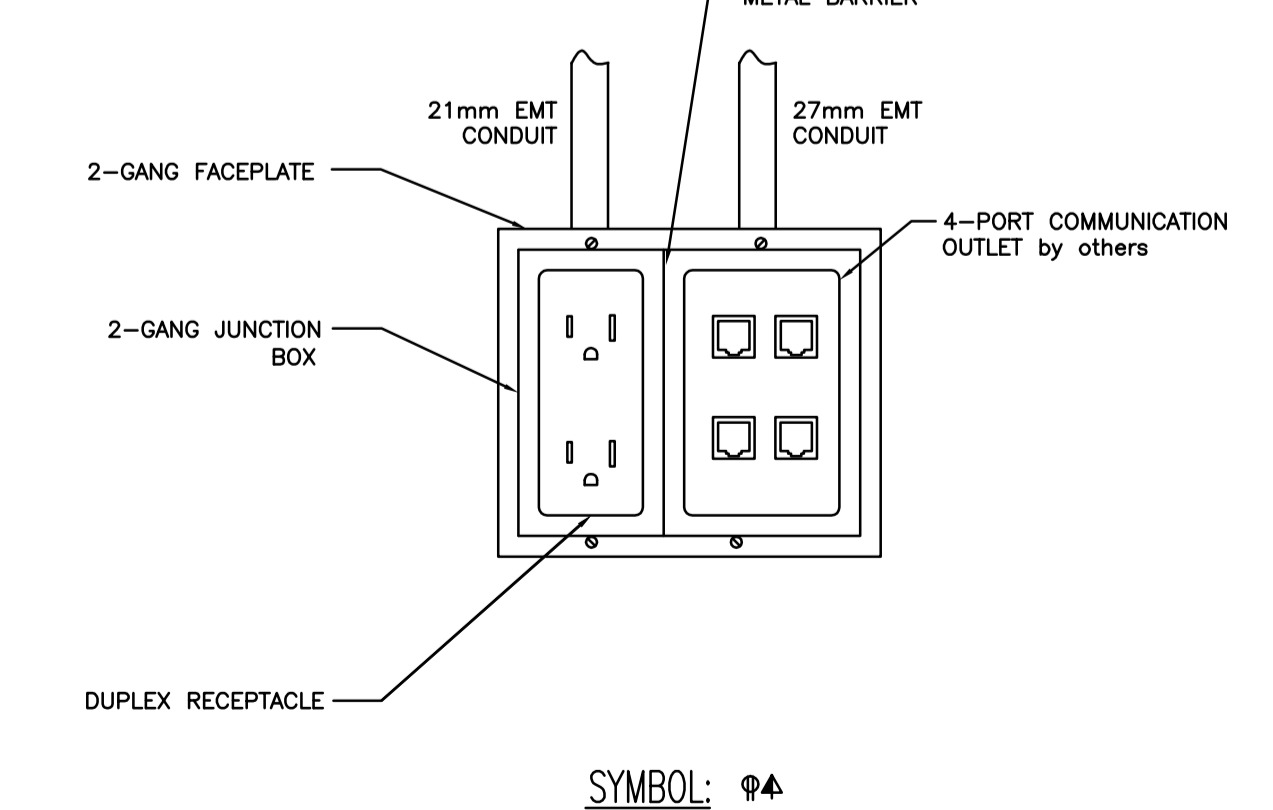
TAG	UNIT DESCRIPTION	SIZE (W)	VOLTAGE PHASE	SUPPLY OF DEVICE	SUPPLY OF DISCONNECT	REMARKS
RTU-1	ROOF TOP UNIT		600V/3Ø	X	X	MOP: 25A
EF-1	EXHAUST FAN	70W	120V/1Ø	X	X	MOP: 15A



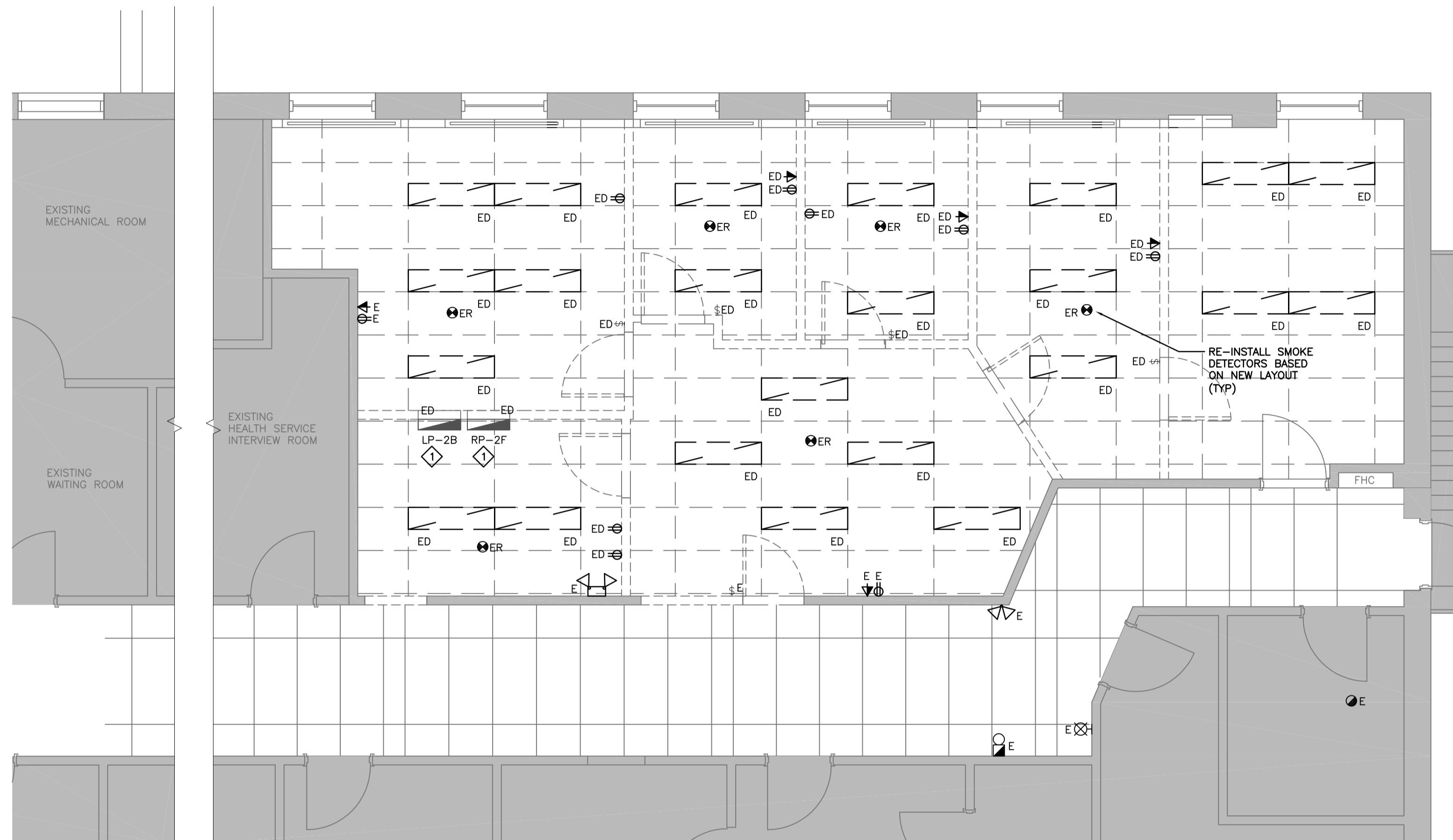
1 SINGLE LINE DIAGRAM
E0.01 SCALE: N.T.S



2 TYPICAL WALL MOUNTED POWER AND DATA OUTLETS DETAIL
E0.01 SCALE: N.T.S



3 TYPICAL WALL MOUNTED POWER AND DATA OUTLETS
E0.01 SCALE: N.T.S



GENERAL NOTES:

- UNLESS OTHERWISE INDICATED, ALL ELECTRICAL CEILING DEVICES, WALL DEVICES, AND EQUIPMENT CONNECTIONS NO LONGER REQUIRED SHALL BE DEMOLISHED. CONTRACTOR TO REVIEW SITE FOR EXACT QUANTITIES OF DEVICES PRIOR TO SUBMITTING BID PRICE.
- WHERE EQUIPMENT IS INDICATED FOR DEMOLITION, DEMOLISH ALL BREAKERS, WIRING, CONDUIT, STARTERS, DISCONNECTS AND ALL ANCILLARY DEVICES UNLESS OTHERWISE INDICATED.
- REMOVE ALL REDUNDANT WIRING BACK TO SOURCE.

KEYNOTES:

◇ EXISTING PANEL TO BE DEMOLISHED. NEW PANEL TO BE LOCATED NEARBY. EXTEND & SPLICE ALL INCOMING & OUTGOING WIRING/CONDUIT AS REQUIRED TO SUIT NEW PANEL LOCATION & FINAL LOADS. REFER TO 1/ED.01.

1 ELECTRICAL DEMOLITION PLAN
E1-01 SCALE: 1:50

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

DIALOG



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04	BID	2017-07-14
03	99% CD	2017-03-10
02	50% CD	2016-11-04
01	PROGRESS REVIEW	2016-09-07
revision		date

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

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

project title
titre du projet
KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9
**X-RAY AND DENTAL ROOMS,
CBI (MIN)**

drawing title
titre du dessin
**ELECTRICAL
DEMOLITION PLAN**

drawn by
dessine par

designed by
conc par

approved by
approuve par
R.NORTHCOOT

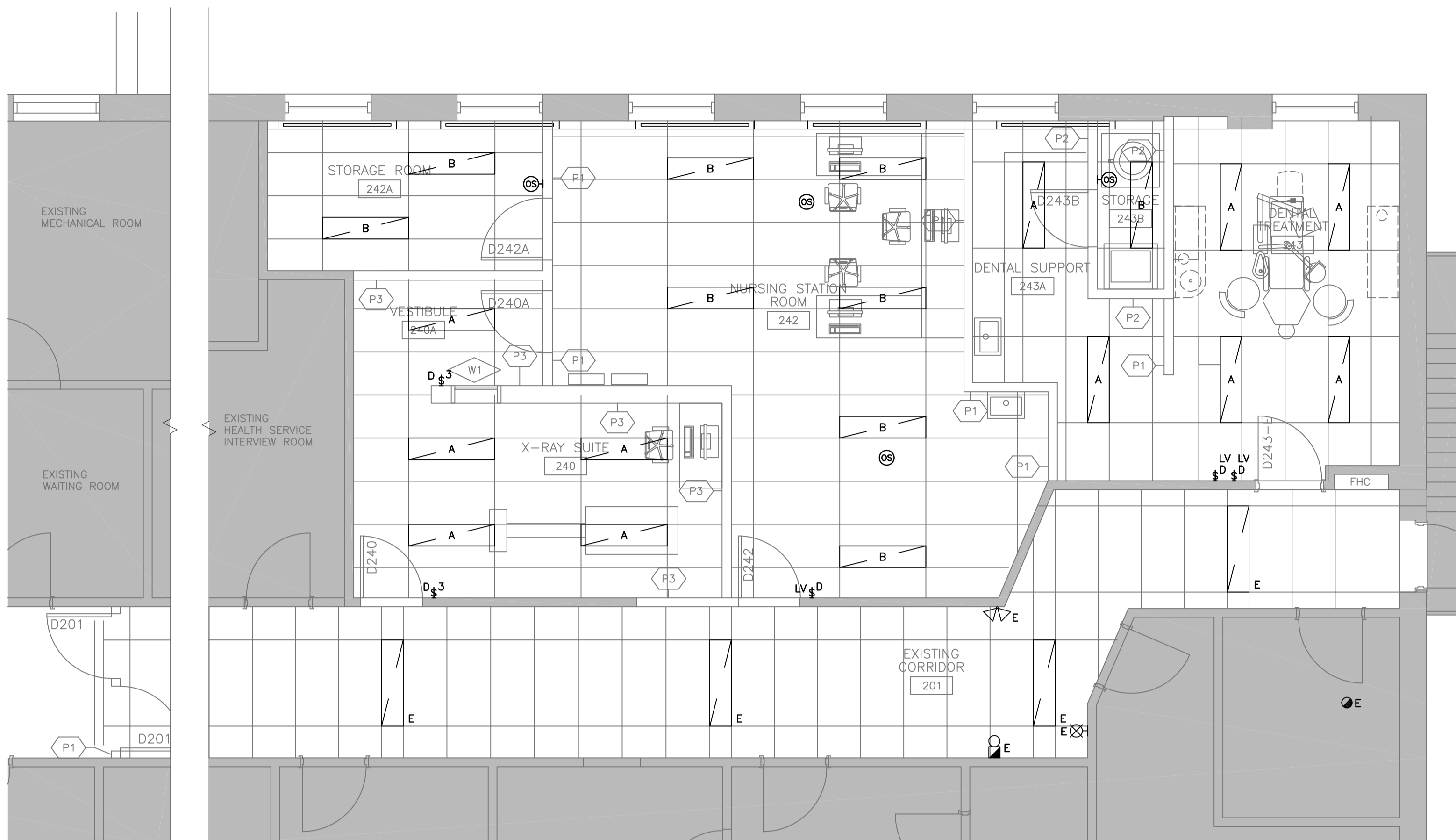
tender
soumission
Y. KODAI

project manager
administrateur
de projets

project date
date du projet
2016-06-03

project no.
no. du projet
DLG11037T-02
R.079534.002

drawing no.
dessine no.
E1-01



1 LIGHTING PLAN
E2-01 SCALE: 1:50

GENERAL NOTES:
1. RE-USE EXISTING LIGHTING CIRCUITS. RE-ARRANGE CIRCUITING AS REQUIRED TO ENSURE MAX LOAD PER CIRCUIT 1200W.

LIGHTING FIXTURE SCHEDULE:

TYPE	DESCRIPTION	VOLTS	LAMPS	REMARKS
A	CEILING RECESSED CONFINEMENT FIXTURE. 1200X305 DIE FORMED COLD ROLLED STEEL, SINGLE BODY HOUSING, ONE PIECE OVERLAPPING DOOR FRAME, POLYCARBONATE SECURITY LENSING, TAMPER RESISTANT FASTENERS.	120V	LED 3500 LUMENS COLOUR TEMPERATURE TO MATCH EXISTING	0-10V DIMMING WHERE DIMMING SWITCH IS INDICATED
B	CEILING RECESSED DIRECT/INDIRECT FIXTURE. 1200X305 COLD ROLLED STEEL, SHALLOW BODY, SMOOTH ACRYLIC LENS.	120V	LED 3100 LUMENS COLOUR TEMPERATURE TO MATCH EXISTING	0-10V DIMMING WHERE DIMMING SWITCH IS INDICATED

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

DIALOG

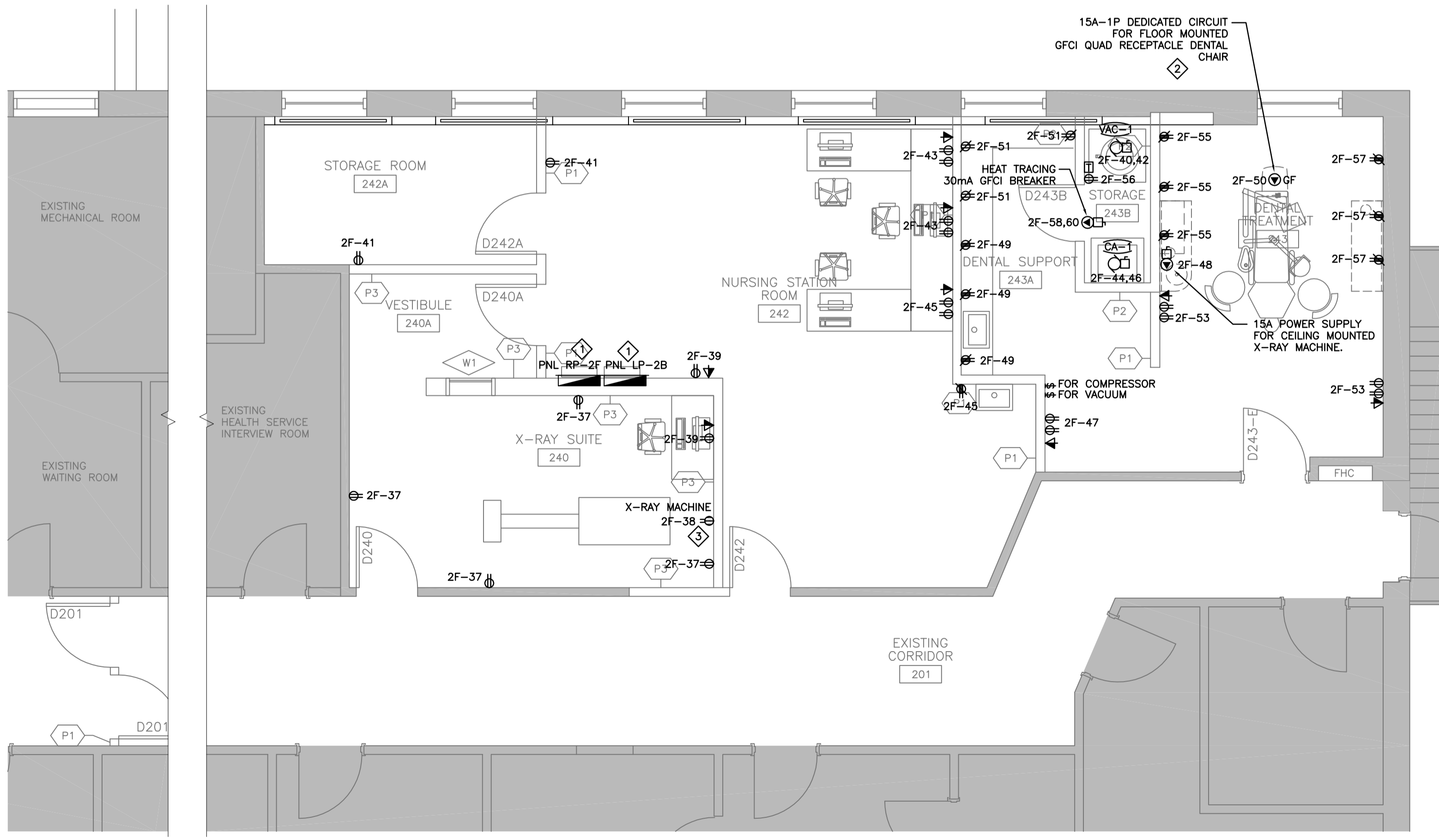


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- C drawing no. - where detailed dessin no. - où détaillé



2 POWER AND SYSTEMS PLAN
E2-01 SCALE: 1:50

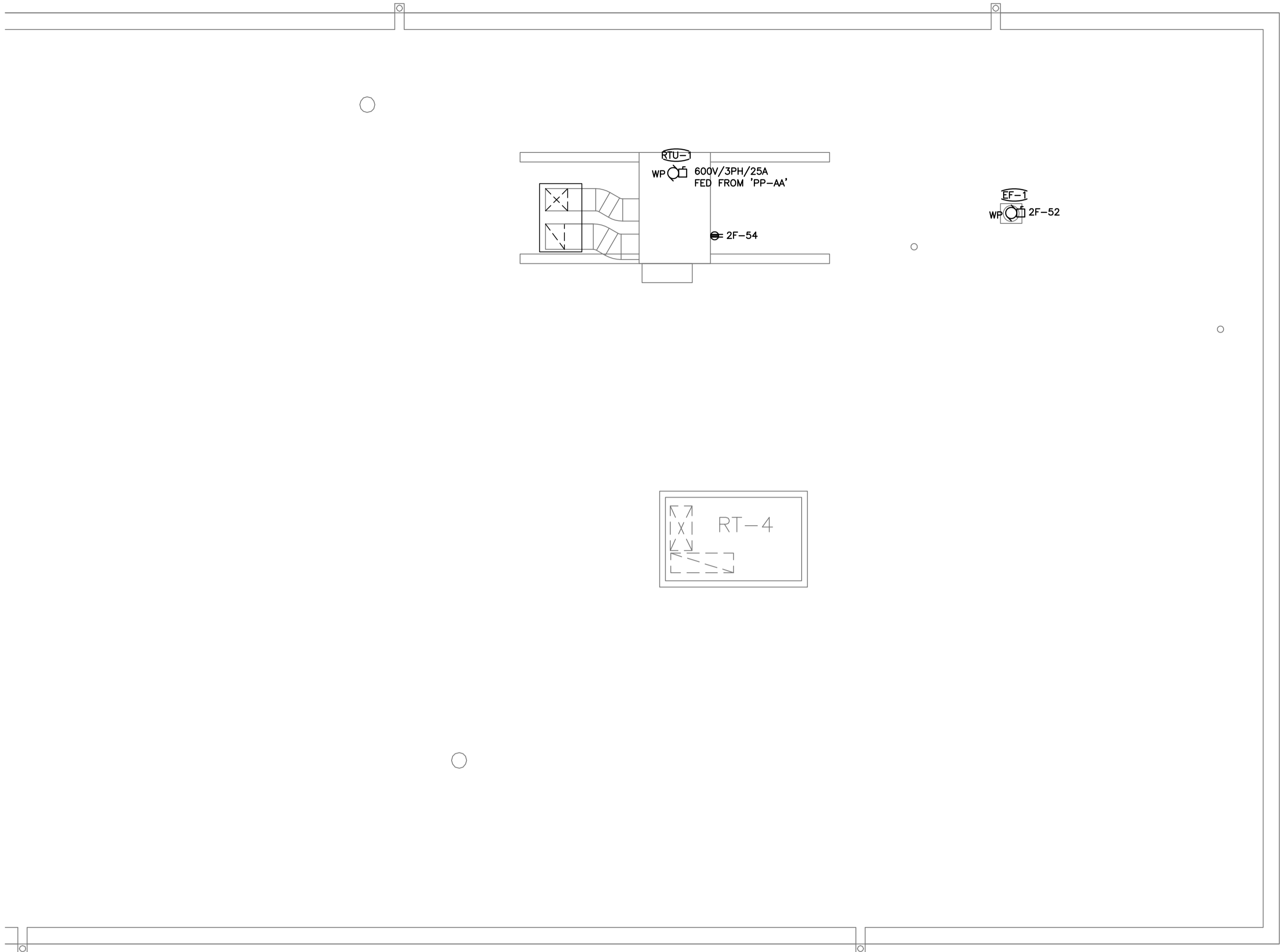
GENERAL NOTES:
1. X-RAY/SCAN SLAB PRIOR TO ANY CORING OR TRENCHING. COORDINATE WORK WITH DEPARTMENTAL REPRESENTATIVE.
2. DENTAL TREATMENT 243 AND X-RAY SUITE 240 ARE CONSIDERED AN INTERMEDIATE PATIENT CARE AREA UNDER CSA Z32.15.
3. ELECTRICAL INSTALLATION IN PATIENT CARE AREAS FLOOR TO CEILING TO MEET REQUIREMENTS OF CSA Z32.15 AND OESC.
4. ALL PATIENT CARE AREA RECEPTACLES SHALL BE INSTALLED AND TESTED ACCORDING TO CSA STANDARD Z32.15 REQUIREMENTS. REFER ALSO TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.

KEYNOTES:
1. RELOCATE ALL EXISTING BRANCH CIRCUITS TO NEW PANEL. EXTEND & SPLICE ALL INCOMING & OUTGOING WIRING/CONDUIT AS NEEDED TO SUIT NEW PANEL LOCATION & FINAL LOADS. REFER TO 1/EO.01.
2. ELECTRICAL CONTRACTOR TO COORDINATE WITH EQUIPMENT VENDOR AND PROVIDE UNDER-FLOOR CONDUITS, MOUNTING BOX AND QUAD RECEPTACLES FOR DENTAL CHAIR.
3. CONFIRM ON SITE FOR THE EXACT RECEPTACLE CONFIGURATION PRIOR TO ROUGH-IN.

project title
titre du projet
KINGSTON
CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9
X-RAY AND DENTAL ROOMS, CBI (MIN)

drawing title
titre du dessin
LIGHTING AND POWER & SYSTEMS PLANS

drawn by dessiné par	DD
designed by conçu par	RT
approved by approuvé par	R.NORTHCOTT
tender soumission	Y. KODAI
project manager administrateur de projets	
project date date du projet	2016-06-03
project no. no. du projet	DLG11037T-02 R.079534.002
drawing no. dessiné no.	E2-01



1 ELECTRICAL ROOF PLAN
E2-02 SCALE: 1:50

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

DIALOG

seal(s)



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CORRECTIONAL SERVICE CANADA
1455 BATH RD, KINGSTON ON K7L 4V9
**X-RAY AND DENTAL ROOMS,
CBI (MIN)**

drawing title
titre du dessin
ELECTRICAL ROOF PALN

drawn by
dessine par DD

designed by
conc par RT

approved by
approuve par R.NORTHCOTT

tender
soumission Y. KODAI

project manager
administrateur de projets

project date
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