

CORRECTIONAL SERVICES CANADA

EDMONTON INSTITUTION KITCHEN REDEVELOPMENT 21611 MERIDIAN STREET EDMONTON, ALBERTA



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

ISSUED FOR TENDER 2019-06-07



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NORR ARCHITECTS ENGINEERS PLANNERS

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ARCHITECTURAL

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- A00-00 COVER PAGE
- A00-01 GENERAL NOTES AND BUILDING CODE REVIEW
- A00-02 DOOR SCHEDULE, LEGENDS, AND KEYNOTES
- A20-01 PARTIAL KEY PLAN
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- A20-04 REFLECTED CEILING PLAN
- A20-05 ROOF PLAN

MECHANICAL

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Suite 2300, 411 - 1st Street SE
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T2G 4Y5

- M01 MECHANICAL LEGEND, DETAIL,
SCHEDULE AND DRAWING LIST
- M02 PLUMBING DEMOLITION PLAN
- M03 HVAC & FIRE PROTECTION
DEMOLITION PLAN
- M04 MECHANICAL NEW PLAN

ELECTRICAL

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- E1 ELECTRICAL COVER SHEET
- E2 ELECTRICAL EXISTING POWER AND
LIGHTING PLAN
- E3 ELECTRICAL POWER AND LIGHTING PLAN
- E4 ELECTRICAL DETAILS AND SCHEDULES

ANY QUESTIONS SHOULD BE DIRECTED THROUGH THE PWGSC PROJECT MANAGER

JAMES PATTISON
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PUBLIC SERVICES AND PROCUREMENT CANADA / GOVERNMENT OF CANADA
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1. ALL CONSTRUCTION TO COMPLY WITH ALBERTA BUILDING CODE, REGULATIONS, RULES AND BY-LAWS SET BY THE AUTHORITY HAVING JURISDICTION.
2. PROVIDE AND MAINTAIN CONTINUOUS FIRE/SMOKE SEPARATIONS. EACH TRADE IS TO FIRE STOP ALL SERVICE PENETRATIONS ASSOCIATED WITH THEIR WORK WITH APPROVED AND ULC LISTED FIREPROOF SYSTEMS. REFER TO AND COMPLY WITH CITY OF CALGARY "FIRE STOPPING SERVICES PENETRATIONS IN BUILDINGS" DOCUMENT.
3. PROVIDE AND MAINTAIN CONTINUOUS AIR/VAPOUR BARRIER SYSTEM. CAULK AROUND OPENINGS AND GAPS WITH SEALANT TO ACHIEVE A CONTINUOUS BARRIER.
4. PROVIDE AND MAINTAIN CONTINUOUS ACOUSTIC BARRIER SYSTEM. AVOID SOUND TRANSMISSION THROUGH DIRECT CONTACT AT ACOUSTICALLY TREATED SURFACES. COMPLETELY SEAL ALL PENETRATIONS WITH ACOUSTIC SEALANT, TAPE AND INSULATION AS REQUIRED TO PREVENT SOUND TRANSFER AND MAINTAIN THE REQUIRED STC RATINGS OF THE WALL SYSTEMS. PROVIDE APPROVED ISOLATION METHODS TO ALL NOISE GENERATING AND MOVING EQUIPMENT.
5. **VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE PRIOR TO FABRICATION. PROMPTLY NOTIFY THE ARCHITECT OF ANY ERRORS OR OMISSIONS.**
6. DIMENSIONS ARE TAKEN TO GRID LINES, TO FACE OF STUD, TO FACE OF CONCRETE AND / OR BLOCK WALLS AND TO FACE OF CONCRETE SLAB.
7. THE GENERAL CONTRACTOR SHALL ARRANGE FOR AND COORDINATE ALL INCOMING AND OUTGOING MECHANICAL AND ELECTRICAL SERVICES FOR THIS PROJECT.
8. THE GENERAL CONTRACTOR SHALL COORDINATE ALL ACTIVITIES AS REQUIRED TO ENSURE EFFICIENT, CORRECT AND ORDERLY INSTALLATION OF EACH PART OF THE WORK TO AVOID CONFLICT IN THE TRADE WORK AND SCHEDULE.
9. ALL DOORS AND WINDOWS REFERENCED ON THE PLANS AND SCHEDULES ARE SHOWN NOMINAL SIZE. CONFIRM AND VERIFY ALL EXISTING CONSTRUCTIONS.
10. ALL INTERIOR DOOR OPENINGS IN STUD FRAMING WALLS TO BE SPACED A MINIMUM OF 76mm (3") FROM THE ADJACENT WALL, UNLESS NOTED OTHERWISE.
11. ALL DOOR OPENINGS IN CONCRETE OR CONCRETE BLOCK WALLS TO BE 100mm (4") FROM THE ADJACENT WALL (OR FLUSH WITH FACE OF WALL IN TIGHT CONDITIONS), UNLESS NOTED OTHERWISE.
12. ALL DOOR FRAMES TO BE GROUT FILLED
13. PROVIDE AND INSTALL SOLID BLOCKING AND BACKING WITHIN THE WALLS FOR ALL WASHROOM AND BATHROOM ACCESSORIES, HANDRAILS, GUARDS, LADDERS, MECHANICAL AND ELECTRICAL FIXTURES AND EQUIPMENT, ETC. AS REQUIRED FOR PROPER ANCHORING
14. ALL CONSTRUCTION TO COMPLY WITH INDUSTRY TRADE STANDARDS, AS WELL AS MANUFACTURERS' RECOMMENDATIONS, TO THE EXTENT THAT THOSE INSTRUCTIONS AND RECOMMENDATIONS ARE MORE EXPLICIT OR STRINGENT THAN THE REQUIREMENTS CONTAINED IN THESE CONTRACT DOCUMENTS.
15. MECHANICAL LINES ARE NOT TO BE IN CONTACT WITH THE STUD WALLS OR CONCRETE WALL OR FLOOR ASSEMBLIES ISOLATE ALL PIPES TO AVOID SOUND TRANSMISSION. INSTALL NEOPRENE RUBBER PAD ON TOP OF SUBSTRATE SURFACE (BOTTOM PLATE, CONCRETE ETC.) BEFORE ALL MECHANICAL CLAMPS ARE TIGHTENED INTO PLACE.
16. CONFIRM ALL ROUGH OPENING SIZES AND CONNECTION REQUIREMENTS FOR MECHANICAL, ELECTRICAL AND OWNER SUPPLIED EQUIPMENT. ADJUST ROUGH OPENING SIZES TO SUIT.
17. INSTALL & CONNECT OWNER SUPPLIED EQUIPMENT OR APPLIANCES AS DIRECTED, CENTERED, LEVEL AND TRUE.
18. PROVIDE ALL WARRANTIES, BONDS AND MANUFACTURERS' OPERATING INSTRUCTION AND SERVICE MANUALS AS WELL AS PARTS LISTS AT THE COMPLETION OF THE PROJECT.
19. ALL CONSTRUCTION, MATERIALS, AND PRODUCTS TO CONFORM TO SECURE CONSTRUCTION 2 PERFORMANCE REQUIREMENTS, WHERE THERE IS ANY QUESTION CONCERNING THE SUITABILITY OF MATERIALS FOR A SPECIFIC USE, THE APPROVAL OF CSC ISSUING AUTHORITY SHALL BE OBTAINED.

1. ALL INTERIOR WALLS EXTEND TO U/S OF STRUCTURE UNLESS NOTED OTHERWISE.
2. FOR STUD SPACING, LINTEL SIZE, JOIST SPACING & OTHER RELATED INFORMATION, REFER TO STRUCTURAL DRAWINGS.
3. MECHANICAL LINES TO BE INSULATED WITH INSULATION, SEE ALSO MECHANICAL SPECIFICATIONS.
4. WHERE A WALL IS MADE UP OF DIFFERENT PARTITION TYPES, PROVIDE RESILIENT CHANNEL (IF REQUIRED) & ADDITIONAL LAYER OF GYPSUM BOARD (IF REQUIRED), SO THAT FINISHED GYPSUM BOARD FACE IS SMOOTH, ALIGNED & CONTINUOUS.
5. GENERALLY DIMENSIONS ARE TAKEN TO FACE OF WALL FRAMING OR CONCRETE UNLESS SPECIFICALLY NOTED OTHERWISE.

1. THE ARCHITECTURAL DRAWINGS INDICATE GENERAL DESIGN INTENT FOR MAIN DUCT RUNS & SHAFTS, FURNACE & WATER HEATER FLUE LOCATIONS, ELECTRICAL PANEL LOCATIONS, POWER & COMMUNICATION OUTLETS, LIGHTING & RELATED SWITCHING.
2. IT IS THE INTENTION OF THE OWNER THAT THE MECHANICAL & ELECTRICAL SYSTEMS BE PROVIDED ON A DESIGN CONSULTANT BASIS, WITH ALL WORK INCLUDED TO PROVIDE COMPLETE, CODE COMPLIANT SYSTEMS FOR HEATING, PLUMBING, ELECTRICAL POWER, COMMUNICATIONS & LIGHTING.
3. REFER TO DRAWINGS &/or ADDITIONAL SPECIFICATIONS
4. CONTRACTOR TO CONFIRM EXISTING MECHANICAL & ELECTRICAL ELEMENTS AND SERVICE LINES IN AREA OF COOLER / FREEZER.
5. CONTRACTOR TO ADVISE ARCHITECT OF CONFLICTS PRIOR TO DEMOLITION AND CONSTRUCTION.
6. CONFIRM LOCATION AND SIZES OF EXISTING BATHROOM EXHAUST FAN PENETRATIONS, PATCH AND REPAIR EXISTING ROOF AS REQUIRED TO MATCH EXISTING CONSTRUCTION. CONTRACTOR TO CONFIRM . CONSTRUCTION INFORMATION REQUIRED.

EXITING NOT IMPACTED BY PROJECT SCOPE.

(N1) — NEW CONSTRUCTION KEYNOTE NUMBER

AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
ALUM	ALUMINUM	MIN	MINIMUM
APPROX	APPROXIMATE	MIR	MIRROR
ARCH	ARCHITECTURAL	MISC	MISCELLANEOUS
BLDG	BUILDING	MTD	MOUNTED
CPT	CARPET	N/A	NOT APPLICABLE
CJ	CONTROL JOINT	NIC	NOT IN CONTRACT
CL	CENTERLINE	NTS	NOT TO SCALE
CLG	CLOSET	OC	ON CENTER
COL	CEILING	OH	OVERHEAD
COL	COLUMN	PL	PROPERTY LINE
CONC	CONCRETE	PTD	PAINTED
CONT	CONTINUOUS	PVC	POLYVINYL CHLORIDE
CONST	CONSTRUCTION	R	RADIUS OR RISER
COORD	COORDINATE	R/H	RANGE AND HOOD FAN
CORR	CORRIDOR	RD	ROOF DRAIN
C/W	COMPLETE WITH	REQD	REQUIRED
D	DEPTH/ DEEP	REV	REVERSE
DN	DOWN	RI	RIGID INSULATION
D/W	DISHWASHER	RO	ROUGH OPENING
DWG	DRAWING	S	SINK
EA	EACH	SIM	SIMILAR
ELEC	ELECTRICAL	SPEC	SPECIFICATIONS
ELEV	ELEVATION	ST	STEEL
EQ	EQUAL	STD	STANDARD
F	FRIDGE	STRUCT	STRUCTURAL
FD	FLOOR DRAIN	T/O	TOP OF
FE	FIRE EXTINGUISHER	T&G	TONGUE & GROOVE
FG	FIRBRGLASS	TYPEA	TYPICAL
FLR	FLOOR	U/S	UNDERSIDE
FRR	FIRE RESISTANCE RATING	VB	VAPOUR BARRIER
GALV	GALVANIZED	VEST	VESTIBULE
GL	GLASS	W	WIDTH
GWB	Gypsum WALL BOARD	W/C	WALK IN CLOSET
HT	HEIGHT	W/ OR /W	WITH
INSUL	INSULATION	W/D	WASHER AND DRYER
L	LONG	W/O	WALL OVEN
MAX	MAXIMUM		
MC	MEDICINE CABINET		

DOOR SCHEDULE

DOOR					PANEL				FRAME			FIRE LABELS		REMARKS	DOOR HARDWARE
No.	LOCATION	REBATE DIMENSIONS (mm)			TYPE	MAT.	FIN.	GLAZING	TYPE	MAT.	FIN.	F.R.R.	TEMP. RISE (250° after)		
D101	DRY GOODS STORAGE	915 x 2	2135	--	1	PS	PT	LSG	A	PS	PT	--	--	DUTCH DOOR ON ACTIVE LEAF	DOOR HARDWARE SET #1.0
D102	NEW CHANGE ROOM	915	2135	--	2	PS	PT	--	A	PS	PT	--	--	--	DOOR HARDWARE SET #2.0

HARDWARE SET #1.0 DOOR # - D101

QTY.	DESCRIPTION		FINISH	MANUFACTURER
7	HINGE (HEAVY WEIGHT)	H TA386xNRP 4-1/2" x 4-1/2"	US26D	MK
2	FLUSH BOLT	555	US26D	RO
1	QUADRANT BOLT	Deltana DDQ56us26d	626	OT
1	CLASSROOM LOCK	8237 LNL	US26D	SA
1	CLASSROOM LOCK	10G37 LL	US26D	SA
1	KEYED CYLINERS	Cylinders supplied by others	626	OT

NOTE: MORTISE LOCK TO BE INSTALLED ON LOWER PANEL OF ACTICE DOOR, UPPER PANEL TO HAVE CYLINDRICAL LOCK.

HARDWARE SET #2.0 DOOR # - D102

QTY.	DESCRIPTION		FINISH	MANUFACTURER
3	HINGE (HEAVY WEIGHT)	H TA386xNRP 4-1/2" x 4-1/2"	US26D	MK
1	PRIVACY LOCK	49 8265 LNL	US26D	SA
1	DOOR CLOSER	351 UO	EN	SA
1	DOOR STOP	442	US26D	RO

HARDWARE LIST

MFG	DESCRIPTION	PRODUCT NUMBER	FINISH
MK	HINGE (HEAVY WEIGHT) HINGE (HEAVY WEIGHT)	H T4A33786 NRP 4-1/2" x 4-1/2" HTA786 NRP 4-1/2" x 4-1/2"	US26D US26D
OT	BY OTHERS	HARDWARE SUPPLIED COMPLETE BY DOOR SUPPLIER	
RO	DOOR STOP FLUSH BOLT	441 H TORX 55-24 TORX	US26D US26D
SA	CLASSROOM LOCK DOOR CLOSER DOOR CLOSER DOOR CLOSER OFFICE LOCK PASSAGE SET STOREROOM LOCK	LC 36 8237 LNL 351 CPS 351 UO DA 351 UO LC 36 8205 LNL 8215 LNL LC 36 8204 LNL	US26D EN EN EN US26D US26D US26D

OPTION LIST

CODE	NAME
H	HOSPITAL TIP (HEAVY WEIGHT OIL IMPREGNATED OR BALL BEARING
NRP	NON-REMOVABLE PINS
TORX	TORX SCREWS FOR DOOR STOPS
TORX	TORX SCREWS FOR FLUSH/SURFACE BOLTS
36	6-LOBE SECURITY HEAD SCREWS (7900, 8200, 9200, PS-8200, 460, 480, 4870, HP, 114/115)
LC	LESS CYLINDER (8200, 7800, 7900, 9200, 7000, FM6100, EXIT DEVICES, 4870)
DA	DELAYED ACTION (2689, 269, 281, 351, 1431)

FINISH LIST

CODE	NAME
US26D	SATIN CHROMIUM
US26D	SATIN CHROMIUM PLATED
US26D	BRASS SATIN CHROME PLATED
EN	POWDER-COATED TO MATCH US28
626	--

MANUFACTURER LIST

CODE	NAME
MK	McKINNEY
OT	OTHER
RO	ROCKWOOD
SA	SARGENT

DOOR SCHEDULE ABBREVIATION

ALUM	ALUMINUM
CHLK	CHAINLINK
DG	DOUBLE GLAZED
HCWD	HOLLOW CORE WOOD
HM	HOLLOW METAL
HMI	HOLLOW METAL INSULATED
M	METAL
MCI	METAL CLAD INSULATED
PF	PREFINISHED
PS	PRESSED STEEL
PT	PAINT
ST	STAINED
SCWD	SOLID CORE WOOD
SG	SINGLE GLAZED
TG	TEMPERED GLASS
WD	WOOD
WG	WIRED GLASS (6mm)
FG	FROSTED GLASS
LSG	LAMINATED SAFETY GLASS

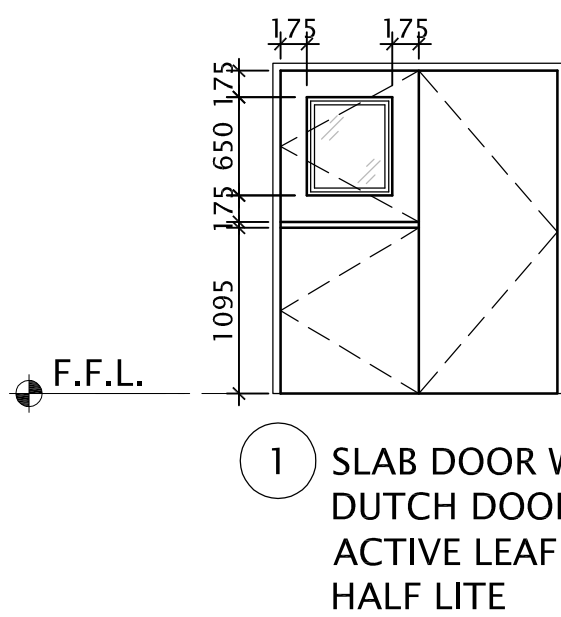
DOOR NOTES:

- REFER ALSO TO DEVELOPER'S SPECIFICATION.
- PROVIDE KEYING SCHEDULE.
- DOOR AND HARDWARE TO COMPLY WITH ALBERTA BUILDING CODE (FIRE RATING AND BARRIER FREE DESIGN WHERE REQUIRED).
- DOOR HARDWARE TO BE COMMERCIAL GRADE.

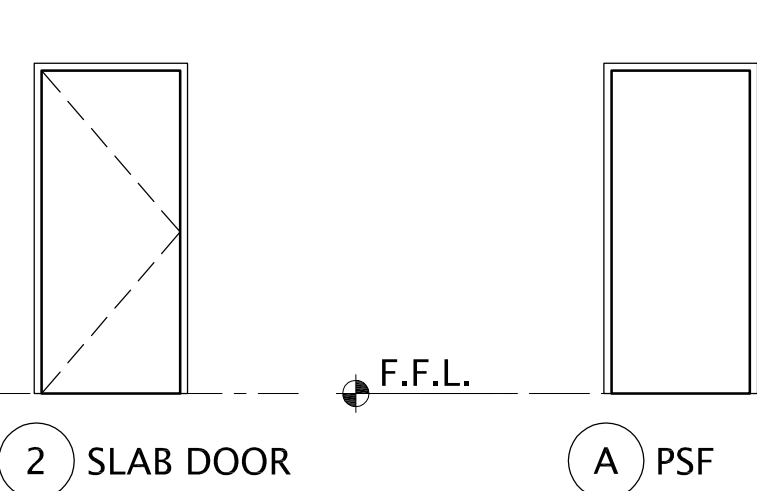
GLAZING NOTES:

- DOOR TYPE 1 - SLAB DOOR WITH DUTCH DOOR ON ACTIVE LEAF c/w HALF LITE GLAZING TO BE 12mm LAMINATED SAFETY GLASS (2 LAYERS - 6mm TEMPERED GLAZING W/ LAMINATE FILM IN BETWEEN).

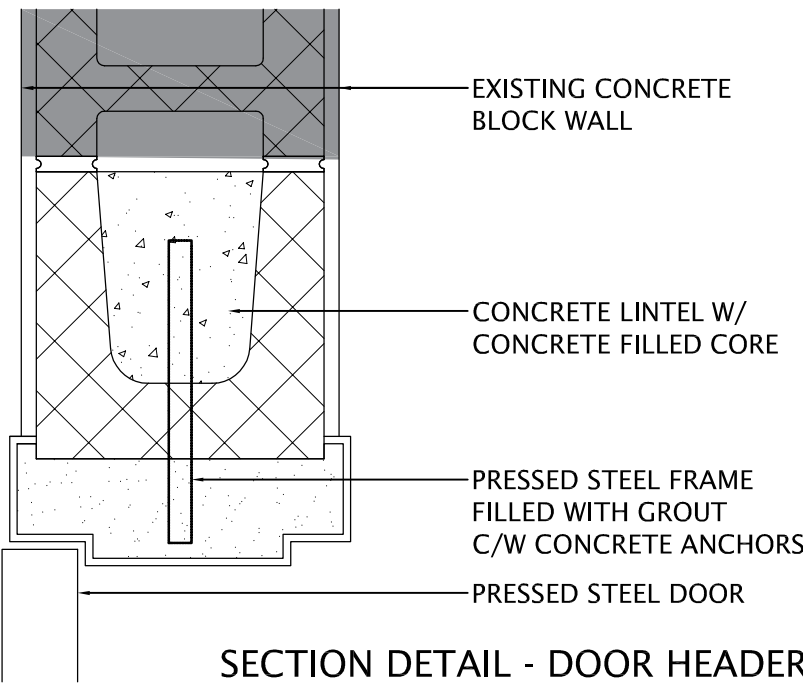
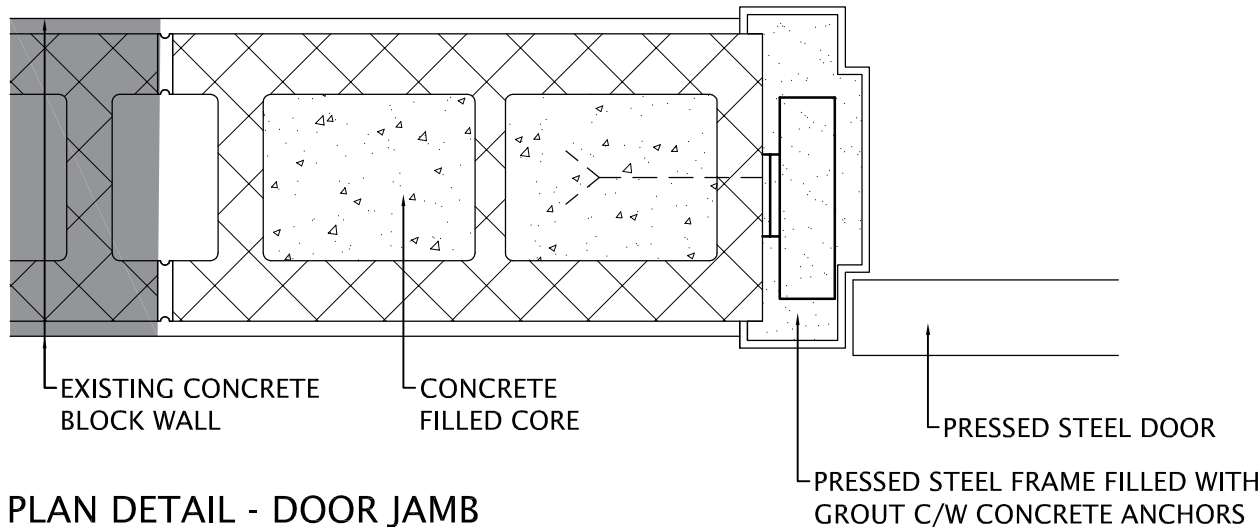
DOOR TYPES:



FRAME TYPES:



DOOR FRAME DETAILS:



DEMOLITION KEYNOTES

- (D1) INTENTIONALLY OMITTED
- (D2) INTENTIONALLY OMITTED
- (D3) INTENTIONALLY OMITTED
- (D4) REMOVE EXISTING DIFFUSER GRILLES AND DUCTWORK. REFER TO MECHANICAL
- (D5) REMOVE AND DISPOSE OF EXISTING FLOORING
- (D6) EXISTING COOLER AND FREEZER WALLS, CEILING PANELS, DOORS, AND HARDWARE TO BE DEMOLISHED.
- (D7) EXISTING ELECTRICAL RECEPTACLES ALONG THIS WALL TO REMAIN. REFER TO ELECTRICAL
- (D8) INTENTIONALLY OMITTED
- (D9) HOOD MODIFICATION. DEMOLISH GYPSUM BOARD CEILING FOR LARGER SIZE HOOD. CONFIRM EXTENTS WITH MECHANICAL.
- (D10) DEMOLISH DOORS, DOOR FRAMES, AND PARTITIONS
- (D11) DEMOLISH BULKHEAD.
- (D12) DEMOLISH VESTIBULE WALLS AND INTERIOR DOOR
- (D13) DEMOLISH SECTION OF CONCRETE BLOCK WALL FOR NEW DOOR OPENING. PREPARE FOR NEW STEEL LINTEL
- (D14) DEMOLISH CERAMIC WALL TILE. FINISH AND PREPARE FOR NEW PAINT FINISH
- (D15) DEMOLISH EXISTING EQUIPMENT, MILLWORK AND PLUMBING FIXTURES
- (D16) DISCONNECT, REMOVE AND DISPOSE OF EXISTING LIGHTING.
- (D17) DOOR OPENING PREVIOUSLY BLOCKED OFF. ADDITIONAL REPAIRS/PATCH MAY BE REQUIRED. CONSTRUCTION INFORMATION REQUIRED.
- (D18) DISCONNECT AND REMOVE EQUIPMENT TO BE RETURNED TO OWNER AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE
- (D19) ROOM ORIGINALLY STAFF SERVERY. ROOM CURRENTLY OCCUPIED AS DRY STORAGE
- (D20) REMOVE AND RELOCATE RADIATION CABINET / FIN. REFER TO MECHANICAL
- (D21) EXISTING RADIATION CABINET / FIN. TO REMAIN. REFER TO MECHANICAL
- (D22) REMOVE EXISTING EXHAUST FANS. REFER TO MECHANICAL. PATCH AND REPAIR EXISTING CEILING AS REQUIRED

NEW CONSTRUCTION KEYNOTES

- (N1) NEW WALL. PARTITION SHALL EXTEND AND BE SECURED TO THE STRUCTURAL CEILING.
- (N2) NEW SINGLE DOOR. REFER TO DOOR SCHEDULE.
- (N3) NEW METAL LOCKERS.
- (N4) LOCKER FILLER PANEL.
- (N5) NEW FLOOR MOUNTED BENCH.
- (N6) WINDOW PRIVACY FILM. OPAQUE WHITE.
- (N7) INTENTIONALLY OMITTED
- (N8) INTENTIONALLY OMITTED
- (N9) INTENTIONALLY OMITTED
- (N10) NEW FREEZER / COOLER WALLS. COMPLETE WITH DOORS, HARDWARE, AND ACCESSORIES.
- (N11) NEW DOUBLE DOOR WITH DUTCH DOOR ON ACTIVE LEAF. REFER TO DOOR SCHEDULE
- (N12) INFILL WALL WITH CONCRETE BLOCK AND PROVIDE AND INSTALL NEW BUMPER RAILS TO MATCH EXISTING
- (N13) HOOD MODIFICATION. REFER TO MECHANICAL. PATCH AND REPAIR GYPSUM BOARD CEILING TO MATCH EXISTING
- (N14) EXISTING GYPSUM BOARD WALL. MAKE GOOD ALL SURFACES. REPAINT ENTIRE WALL WITH PT-1
- (N15) PATCH EXISTING CEILING WHERE INTERIOR PARTITIONS, BULKHEADS, FIXTURES, GRILLES, ETC. HAVE BEEN REMOVED. MAKE GOOD ALL SURFACES AND MATCH TEXTURE TO EXISTING.
- (N16) PATCH AND MAKE GOOD CONCRETE FLOOR SLAB WHERE EQUIPMENT, PARTITIONS AND PLUMBING FIXTURES WERE REMOVED AND PREPARE FOR NEW FINISH
- (N17) EXISTING BLOCK WALL. MAKE GOOD ALL SURFACES AND REPAINT ENTIRE WALL WITH PT-1
- (N18) PROVIDE STEEL CORNER PROTECTION AND GUARD ANCHORED TO CONCRETE SLAB. EQUIVALENT TO END OF AISLE RACK PROTECTION WITH UPRIGHT POST PROTECTORS. SEE PHOTO 1. SAFETY YELLOW PAINT FINISH.
- (N19) CONSTRUCTION INFORMATION REQUIRED REGARDING EXISTING SPRINKLER FIRE SUPPRESSION SYSTEM. CONTRACTOR TO ADVISE ARCHITECT OF ANY CONFLICTS W/ NEW RANGE HOOD PRIOR TO DEMOLITION AND INSTALLATION. REFER ALSO TO MECHANICAL.

NEW FLOOR FINISH LEGEND

- (FF-1) EXISTING FINISH TO REMAIN
- (FF-2) PAINTED CONCRETE FLOOR

NEW WALL FINISH LEGEND

- (WF-1) ABUSE RESISTANT PANELS - C/W TORX FASTENERS WITH EPOXY INSERTS. FASTENERS TO BE INSTALLED 200mm APART MAXIMUM WITH ON A CONTINUOUS BED OF ADHESIVE
- (PT-1) NEW PAINT FINISH COLOUR AS PER FACILITY STANDARDS

NEW WALL LEGEND

- (W1) 200 CONCRETE BLOCK - VERTICAL REINFORCING @ 800mm ON CENTER W/ ALL HOLLOWLS CONCRETE FILLED. PAINT FINISH BOTH SIDES (BUILT TO SECURE CONSTRUCTION 2 STANDARDS)

PRELIMINARY
NOT FOR CONSTRUCTION

4	ISSUED FOR TENDER	2019/06/07
3	ISSUED FOR 99% REVIEW	2019/02/07
2	ISSUED FOR 99% REVIEW	2018/04/02
1	ISSUED FOR COORDINATION	2018/03/13
Revision/	Description/Description	Date/Date

Client/client
CORRECTIONAL SERVICES CANADA

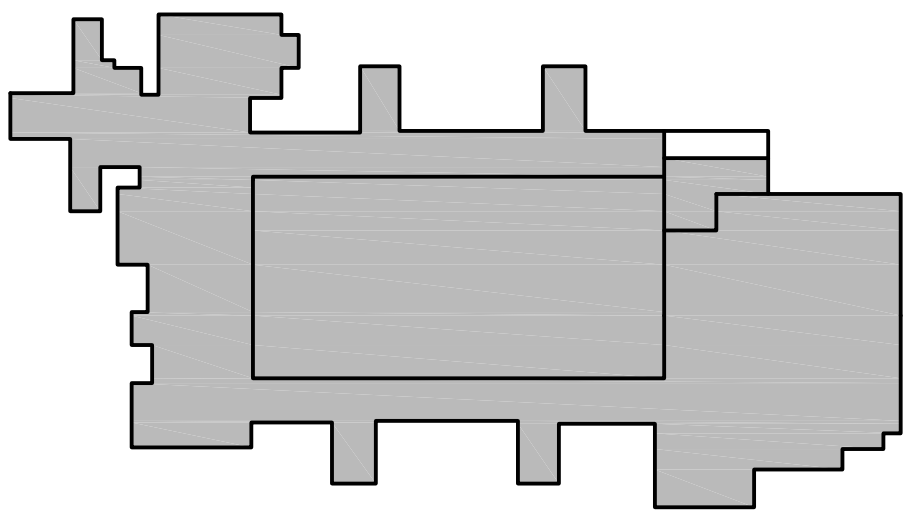
Project title/Titre du projet EDMONTON, ALBERTA 21611 MERIDIAN STREET EDMONTON INSTITUTION KITCHEN REDEVELOPMENT

Approved by/Approuve par BM
Designed by/Concept par CD
Drawn by/Dessine par HS
PWSC Project Manager/Administrateur de Projets TPSCG JAMES PATTISON
PWSC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TPSCG
Client/client CORRECTIONAL SERVICES CANADA

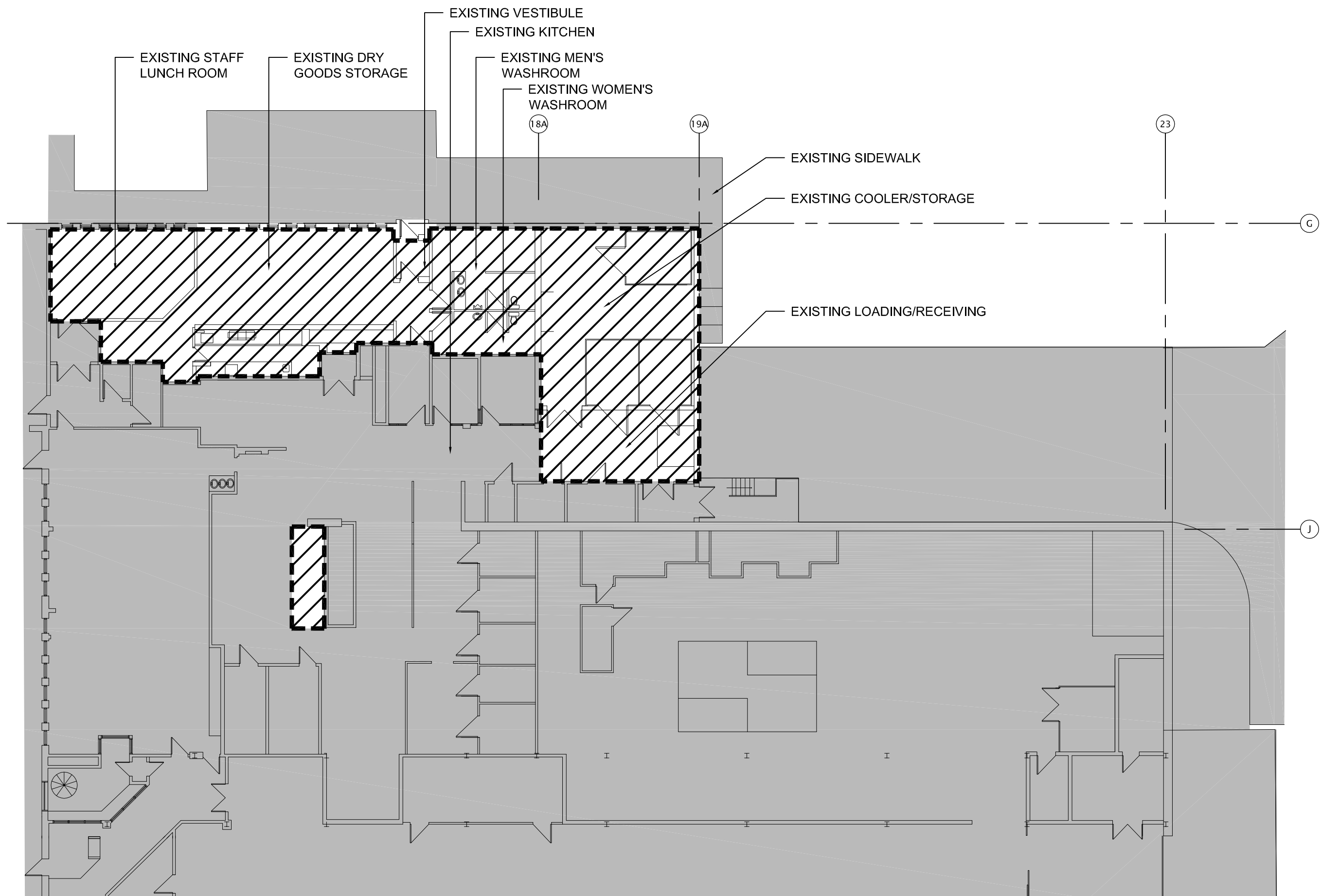
Drawing title/Titre du dessin DOOR SCHEDULE, LEGENDS, AND KEYNOTES
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Project No./No. du projet R.077204.001	Sheet/Feuille A00-02 OF 8	Revision no./ La Révision no. 4
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PRELIMINARY
NOT FOR CONSTRUCTION



KEY PLAN



01
A20-01

PARTIAL KEY PLAN

1:200

AREA OF PROJECT SCOPE

INTERIOR: 313.01m²

NOT IN SCOPE

Revision/ Révision	Description/Description	Date/Date
4	ISSUED FOR TENDER	2019/06/07
3	ISSUED FOR 99% REVIEW	2019/02/07
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1	ISSUED FOR COORDINATION	2018/03/13

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**CORRECTIONAL
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CANADA**

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**EDMONTON, ALBERTA
21611 MERIDIAN STREET
EDMONTON INSTITUTION

KITCHEN
REDEVELOPMENT**

Approved by/Approuvé par
BM

Designed by/Concept par
CD

Drawn by/Dessiné par
DL

PWSC Project Manager/Administrateur de Projets TPSCG
JAMES PATTISON

PWSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSCG

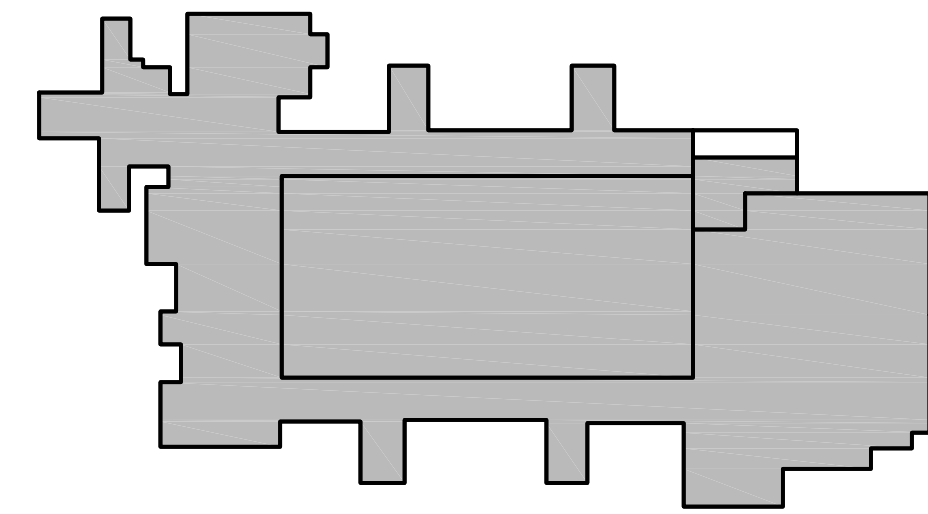
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CORRECTIONAL SERVICES CANADA

Drawing title/Titre du dessin
PARTIAL KEY PLAN

Project No./No. du
projet
R.077204.001

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A20-01
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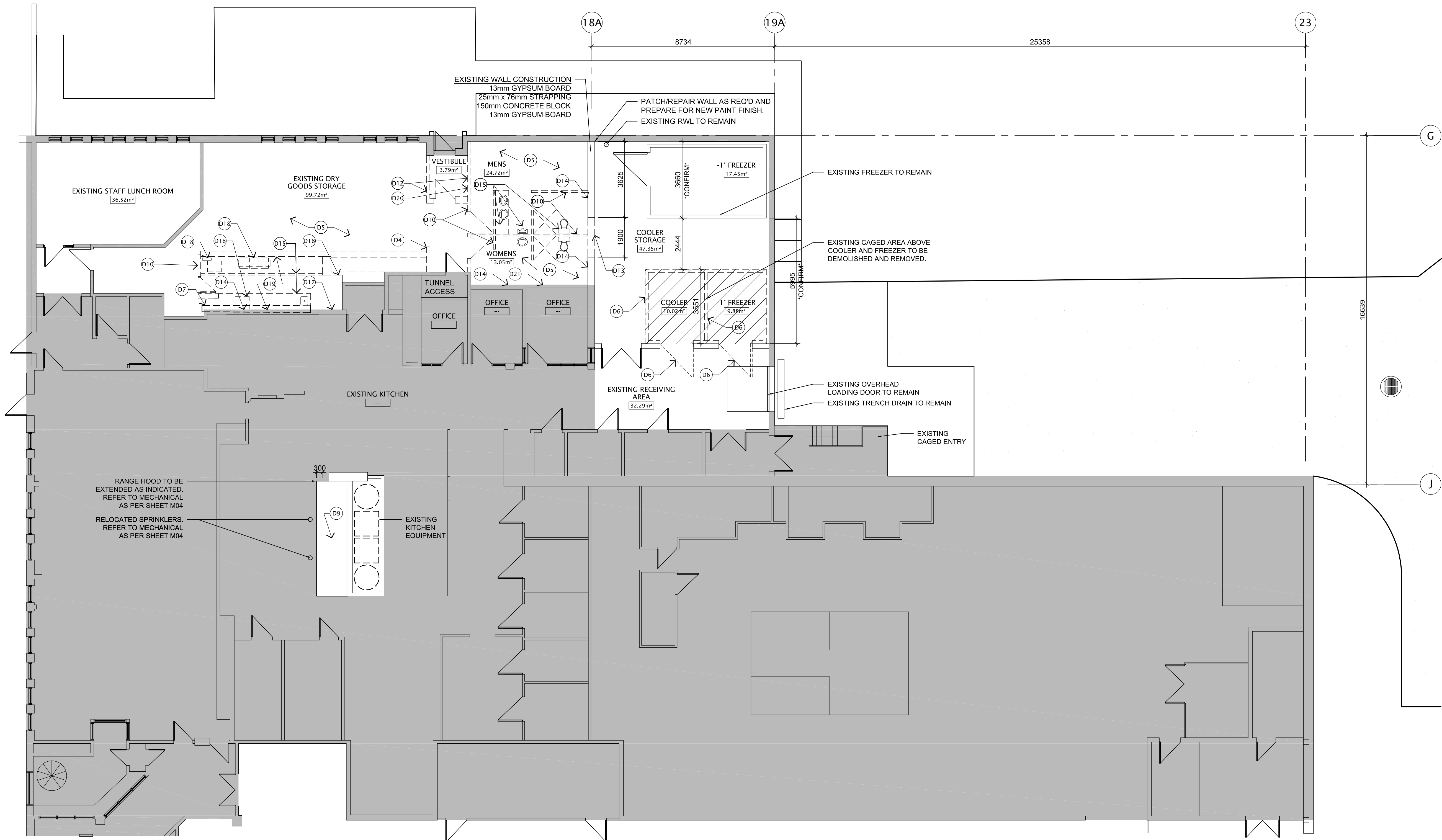
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La Révision
no.
4



KEY PLAN



EXISTING CAGED AREA ABOVE
COOLER AND FREEZER TO BE
DEMOLISHED AND REMOVED



01
A20-02

DEMOLITION FLOOR PLAN

1:100

Revision/	Description/Description	Date/Date
4	ISSUED FOR TENDER	2019/06/07
3	ISSUED FOR 99% REVIEW	2019/02/07
2	ISSUED FOR 99% REVIEW	2018/04/02
1	ISSUED FOR COORDINATION	2018/03/13

**CORRECTIONAL
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**EDMONTON, ALBERTA
21611 MERIDIAN STREET
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KITCHEN
REDEVELOPMENT**

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PWGSC, Architectural and Engineering Resources Manager/
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DEMOLITION FLOOR PLAN

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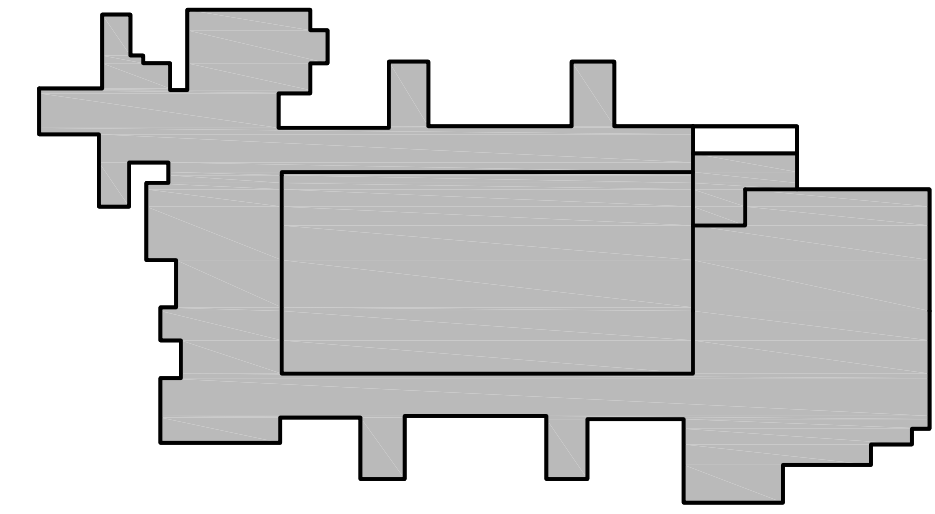
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no.
4

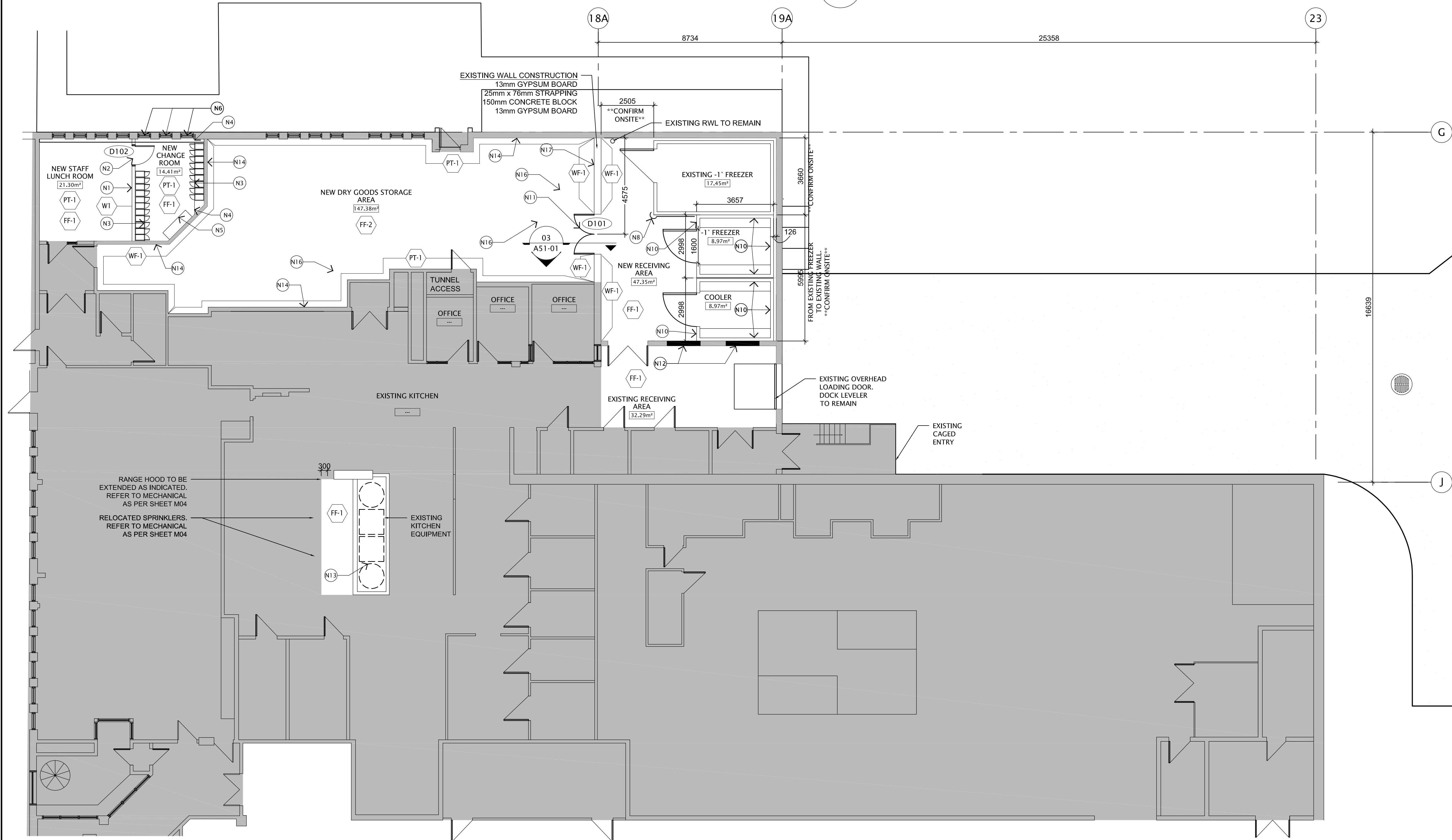
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02
A20-03
PHOTO 1
N.T.S.



KEY PLAN



01
A20-03
NEW FLOOR PLAN
1:100

Revision/	Description/Description	Date/Date
4	ISSUED FOR TENDER	2019/06/07
3	ISSUED FOR 99% REVIEW	2019/02/07
2	ISSUED FOR 99% REVIEW	2018/04/02
1	ISSUED FOR COORDINATION	2018/03/13

Client/client

**CORRECTIONAL
SERVICES
CANADA**

Project title/Titre du projet
**EDMONTON, ALBERTA
21611 MERIDIAN STREET
EDMONTON INSTITUTION
KITCHEN
REDEVELOPMENT**

Approved by/Approuvé par
BM

Designed by/Concept par
CD

Drawn by/Dessiné par
DL

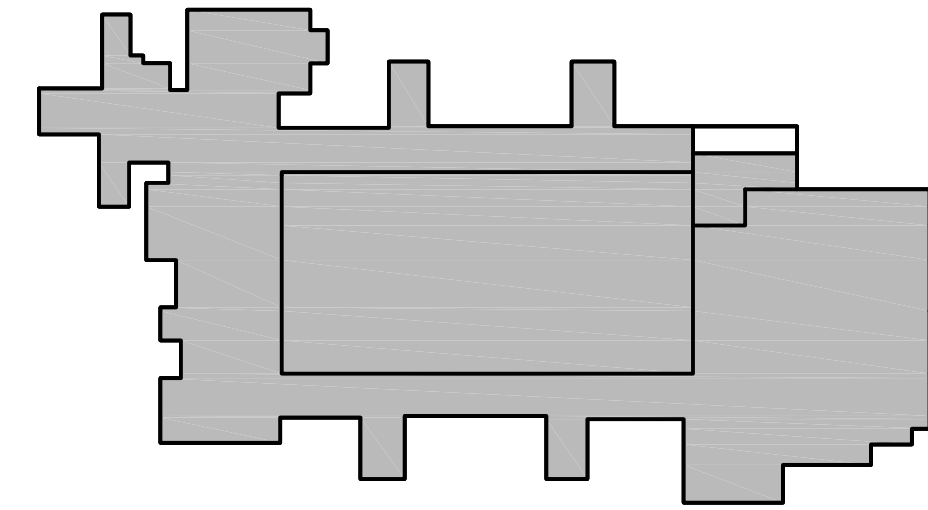
PWGC Project Manager/Administrateur de Projets TPSC
JAMES PATTISON

PWGC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSC

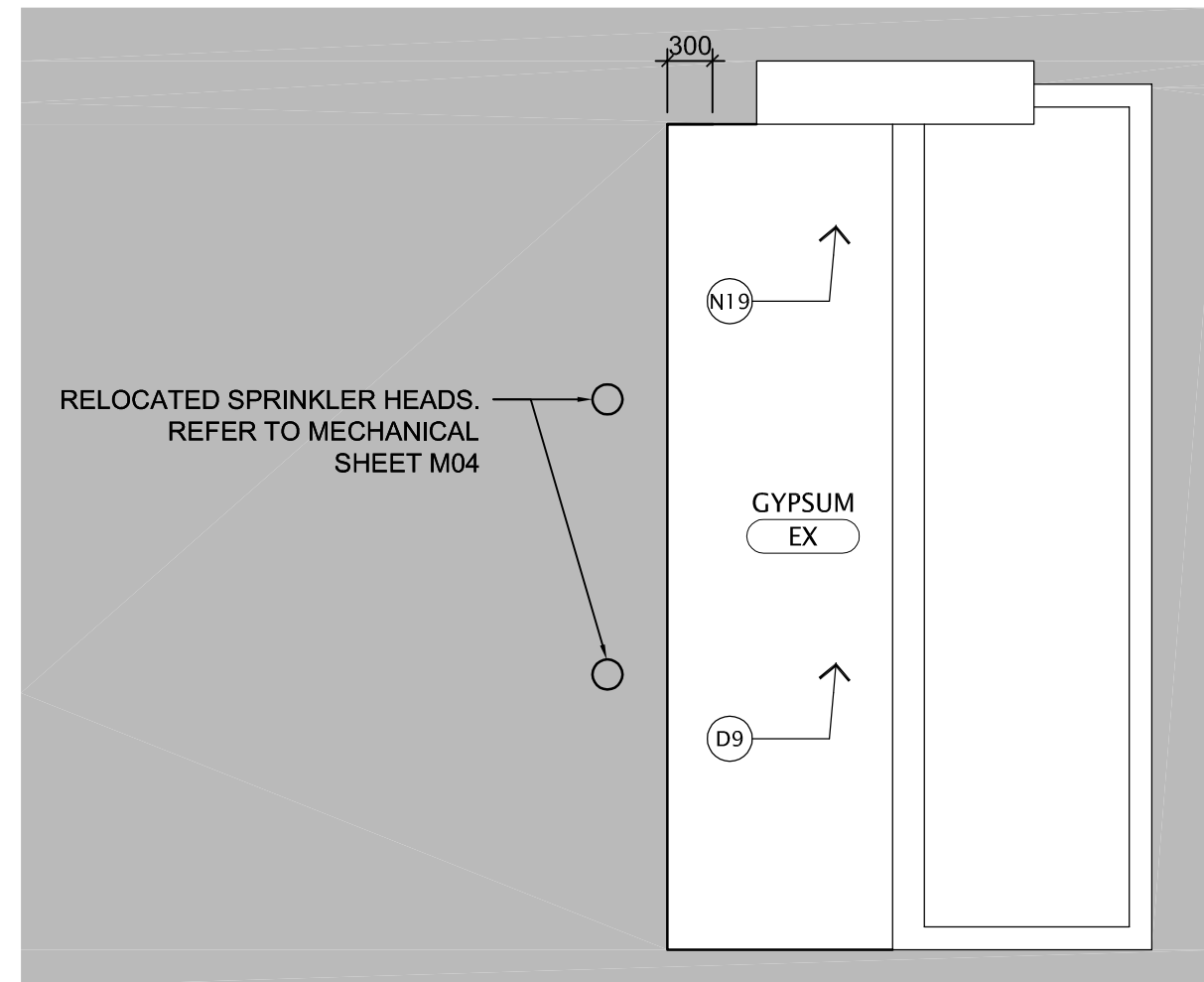
Client/client
CORRECTIONAL SERVICES CANADA

Drawing title/Titre du dessin
NEW FLOOR PLAN

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.077204.001	A20-03 OF 8	4



KEY PLAN



RELOCATED SPRINKLER HEADS.
REFER TO MECHANICAL
SHEET M04

GYPSUM
EX

D9

NEW CEILING LEGEND

TEXTURED
EX

GYPSUM WITH TEXTURED FINISH MATCH EXISTING.
HEIGHT TO MATCH EXISTING. PATCH/REPAIR AND
PREPARE FOR NEW PAINT FINISH.
NEW PAINT FINISH PT-1

TEXTURED
NEW

EXISTING GYPSUM CEILING. MATCH EXISTING WITH
TEXTURED FINISH. HEIGHT TO MATCH EXISTING.
PATCH/REPAIR AND PREPARE FOR NEW PAINT FINISH.
NEW PAINT FINISH PT-1

GYPSUM
EX

EXISTING GYPSUM CEILING TO REMAIN AS IS.
PATCH/REPAIR AND PREPARE FOR NEW PAINT FINISH
AS REQUIRED FOR HOOD MODIFICATION.
NEW PAINT FINISH PT-1

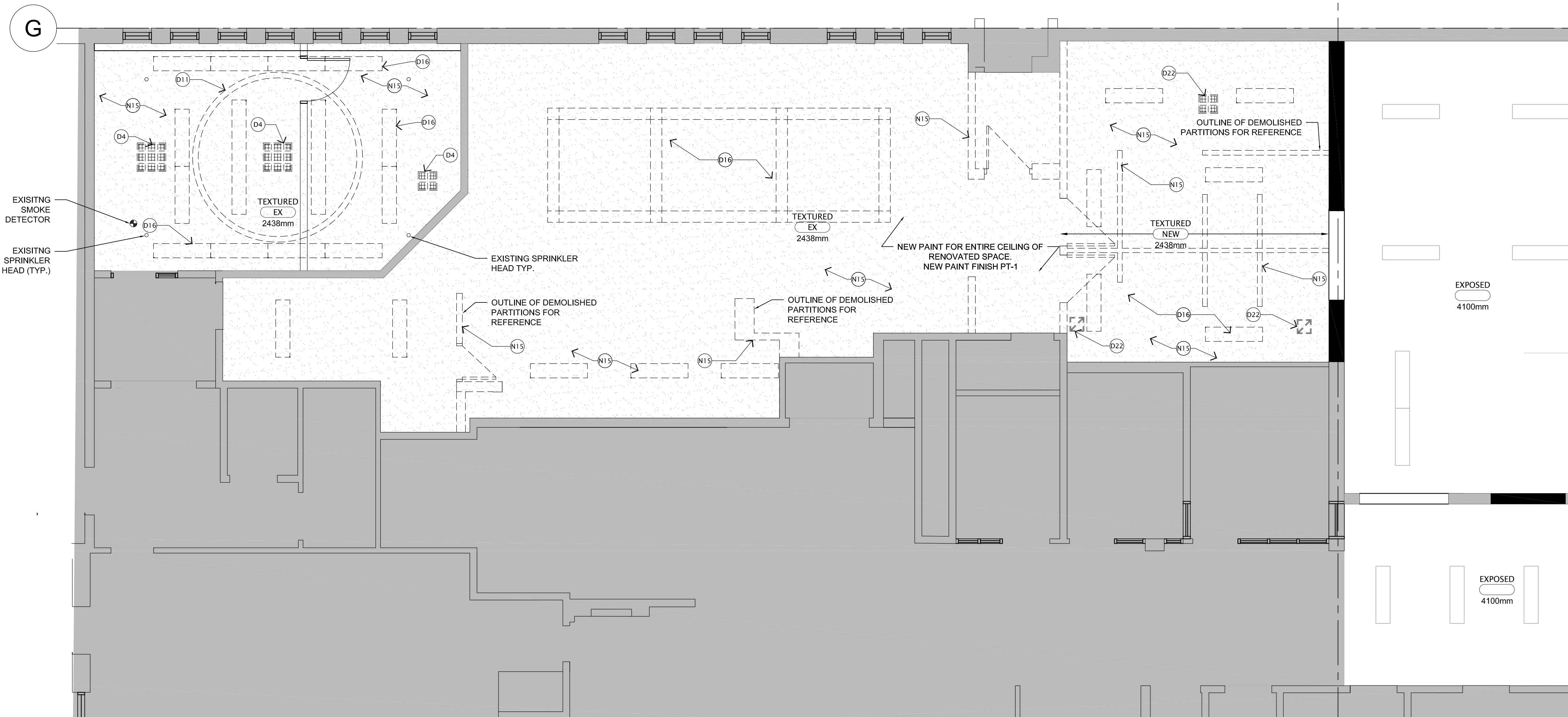
EXPOSED

EXISTING EXPOSED CEILING TO REMAIN AS IS.

HOOD FAN
NEW REFLECTED CEILING PLAN

02
A20-04

1:100



EXISTING
SMOKE
DETECTOR

EXISTING
SPRINKLER
HEAD (TYP.)

TEXTURED
EX
2438mm

EXISTING SPRINKLER
HEAD TYP.

TEXTURED
EX
2438mm

NEW PAINT FOR ENTIRE CEILING OF
RENOVATED SPACE.
NEW PAINT FINISH PT-1

TEXTURED
NEW
2438mm

OUTLINE OF DEMOLISHED
PARTITIONS FOR REFERENCE

EXPOSED
4100mm

EXPOSED
4100mm

REFLECTED CEILING PLAN

01
A20-04

1:50

Revision/ Révision	Description/Description	Date/Date
4	ISSUED FOR TENDER	2019/06/07
3	ISSUED FOR 99% REVIEW	2019/02/07
2	ISSUED FOR 99% REVIEW	2018/04/02
1	ISSUED FOR COORDINATION	2018/03/13

Client/client

CORRECTIONAL
SERVICES
CANADA

Project title/Titre du projet
EDMONTON, ALBERTA
21611 MERIDIAN STREET
EDMONTON INSTITUTION
KITCHEN
REDEVELOPMENT

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PWGSC Project Manager/Administrateur de Projets TPSGC
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Ressources Architectural et de Directeur d'ingénierie, TPSGC

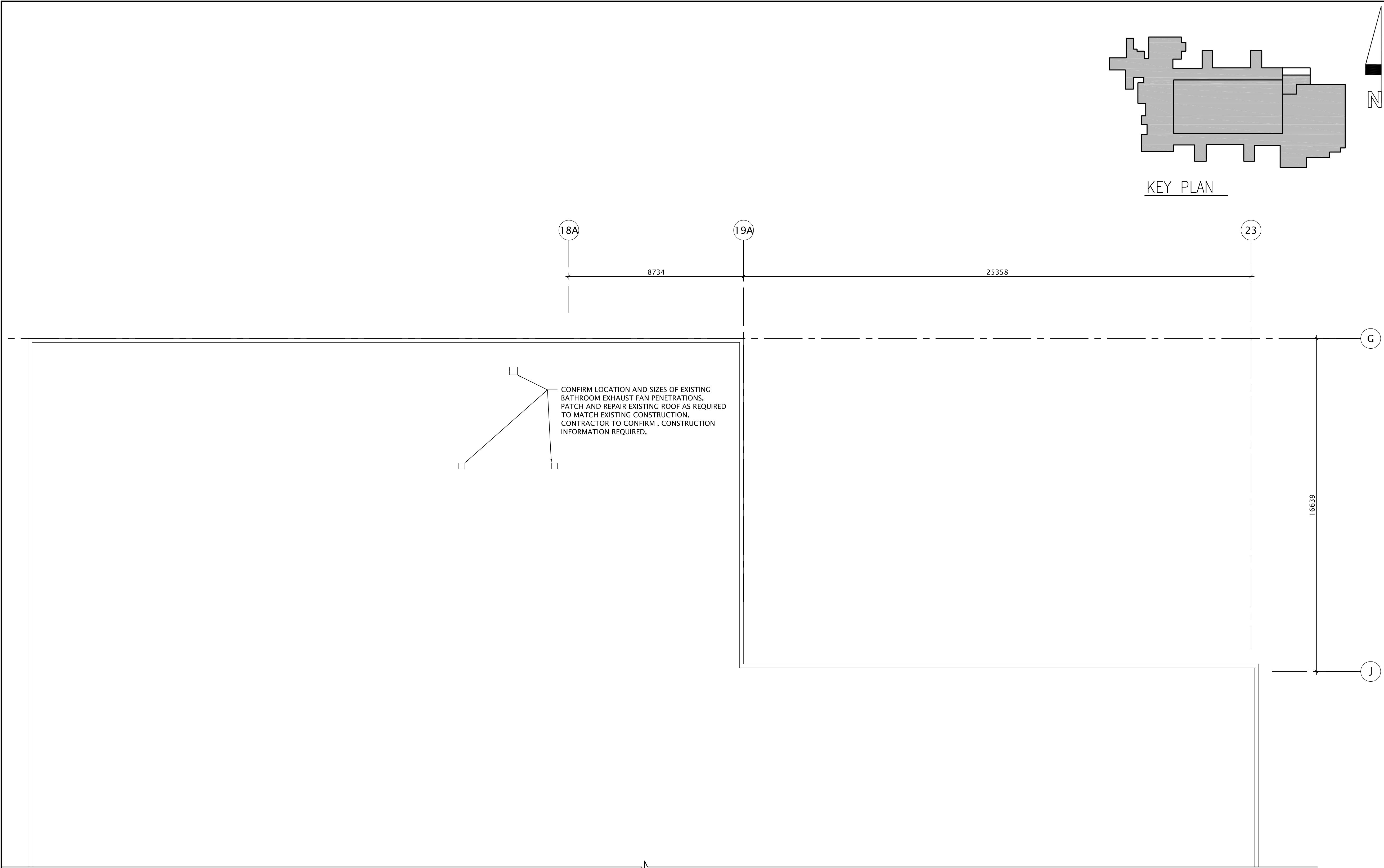
Client/client
CORRECTIONAL SERVICES CANADA


Drawing title/Titre du dessin
REFLECTED CEILING PLAN

Project No./No. du
projet
R.077204.001

Sheet/Feuille
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OF 8

Revision no./
La Révision
no.
4





Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

PRELIMINARY

NOT FOR CONSTRUCTION

4	ISSUED FOR TENDER	2019/06/07
3	ISSUED FOR 99% REVIEW	2019/02/07
2	ISSUED FOR 99% REVIEW	02/04/2018
1	ISSUED FOR COORDINATION	13/03/2018
Revision/ Révision	Description/Description	Date/Date

Client/client

CORRECTIONAL
SERVICES
CANADA

Project title/Titre du projet

EDMONTON, ALBERTA
21611 MERIDIAN STREET
EDMONTON INSTITUTION

KITCHEN
REDEVELOPMENT

Approved by/Approuvé par

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Designed by/Concept par

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Drawn by/Dessiné par

MC

PWGSC Project Manager/Administrateur de Projets TPSCG
JAMES PATTISON

PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSCG

Client/client

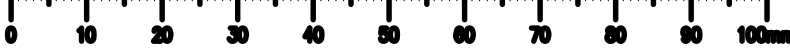
CORRECTIONAL SERVICES CANADA


Drawing title/Titre du dessin

ROOF PLAN

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.077204.001	A20-05 OF 8	4

PWGSC – A1 – 841X594



A20-05

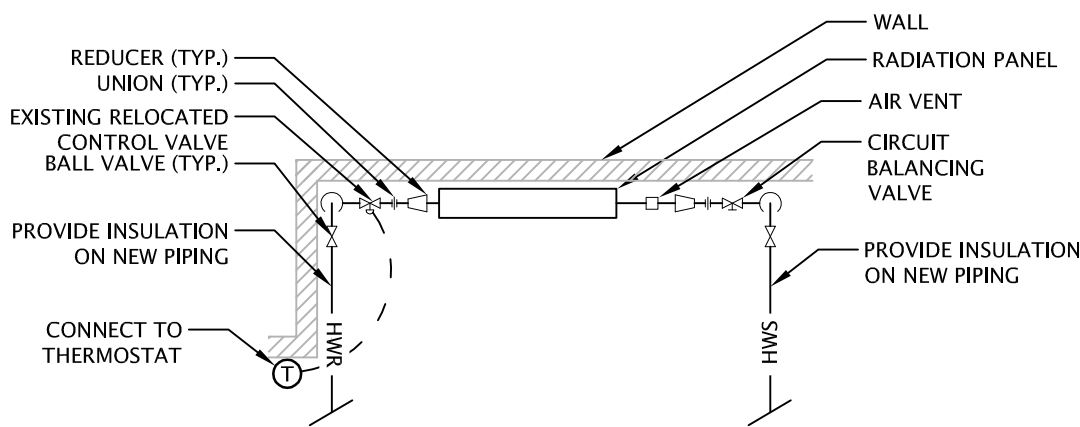
PRELIMINARY
NOT FOR CONSTRUCTION

AIR HANDLING UNIT SCHEDULE																	
TAG	MANUF. AND MODEL	SUPPLY FAN				COOLING				HEATING COIL			ELECTRICAL DATA V/PH	KW	FLA	WEIGHT (LB)	NOTES
		S/A (L/S)	E.S.P. (PA)	R.P.M.	MOTOR DATA (HP)	TOTAL CAPACITY (KW)	SENSIBLE CAPACITY (KW)	E.A.T. (°F)	L.A.T. (°F)	KW	OUTPUT (MBH)	E.A.T. (°F)					
RTU-29	—	973	350	—	—	—	—	—	—	19.6	—	—	—	—	—	—	EXISTING UNIT

GRILLE AND DIFFUSER SCHEDULE			
TAG	SERVICE	BASIC OF DESIGN ①	NOTES
S1	SQUARE CONE SUPPLY DIFFUSERS	EH PRICE - 6"/12"x12"/SCD/4C/B12	C/W BALANCING DAMPER
S2	SINGLE DELECTION STELL DIFFUSER	EH PRICE - 520/F/L/A/B12	C/W BALANCING DAMPER
R/T	RETURN/ TRANSFER GRILLES	EH PRICE - 80/F/L/A/B12	

KEY NOTES:

- ① MANUFACTURER/ MODEL NOTED WAS USED IN THE DESIGN / SIZING OF THE SYSTEM NOTED. ALTERNATIVE MANUFACTURERS/ MODELS MAY BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE CONSULTANT.



1
-
TYPICAL RADIATOR CABINET DETAIL
N.T.S

MECHANICAL DRAWING LIST	
DRAWING No.	DRAWING NAME
M01	MECHANICAL SCHEDULE, LEGEND, & DRAWING LIST
M02	PLUMBING DEMOLITION PLAN
M03	HVAC & FIRE PROTECTION DEMOLITION PLAN
M04	MECHANICAL NEW PLAN

MECHANICAL DRAWING LEGEND					
DESIGNATION	SERVICE	DESIGNATION	SERVICE	DESIGNATION	SERVICE
-----	DOMESTIC COLD WATER	-----	GLOBE VALVE	⊕	PUMP
-----	DOMESTIC HOT WATER	-----	BALL VALVE	⊕	UNIT HEATER HORIZONTAL
-----	DOMESTIC HOT WATER RETURN	-----	GATE VALVE	⊕	TURNING VANES
-----	WATER RETURN	-----	CHECK VALVE	⊕	FAN
--- SAN ---	SANITARY ABOVE GRADE	-----	BALANCING VALVE	⊕	HEATING OR COOLING COIL
--- SAN ---	SANITARY BELOW GRADE	-----	3-WAY VALVE	⊕	
--- STM ---	STORM ABOVE GRADE	-----	3-WAY CONTROL VALVE	⊕	THERMOSTAT
--- STM ---	STORM BELOW GRADE	-----	RELIEF VALVE	⊕	FIRE DAMPER
--- G ---	NATURAL GAS	-----	PRESSURE REDUCING VALVE	⊕	VOLUME DAMPER
--- HWG ---	HEATING WATER SUPPLY	-----	THERMOMETER	⊕	DIFFUSER/GRILLE TYPE SIZE AIRFLOW
--- HWR ---	HEATING WATER RETURN	-----	STRAINER	⊕	FIN TYPE SIZE AIRFLOW
--- RS ---	REFRIGERATION SUCTION	-----	SOLENOID VALVE	⊕	
--- RL ---	REFRIGERATION LIQUID	-----	BACK FLOW PREVENTOR	⊕	
--- HC ---	CLEANOUT TURNED UP THROUGH FLOOR	-----	CIRCULATION BALANCING VALVE	⊕	WATER HEATER TYPE TANK CAPACITY
--- HC ---	CLEANOUT ABOVE GRADE OR FLOOR	-----	PORTABLE FIRE EXTINGUISHER	⊕	BACK DRAFT DAMPER
--- HB ---	HOSE BIB	-----	FIRE EXTINGUISHER IN CABINET	⊕	SPLITTER DAMPER
////	TO BE REMOVED AND RELOCATED	-----	GAS METER	⊕	BALANCING DAMPER
⊕	FLOOR DIFFUSER	-----	EYE WASH	⊕	TSP TRAP SEAL PRIMER
⊕	SQUARE SUPPLY DIFFUSER	-----	RETURN GRILL	⊕	TSP TRAP SEAL PRIMER
⊕	SUPPLY DIFFUSER	-----	CEILING SPRINKLER HEAD	⊕	SIDE WALL SPRINKLER HEAD

5	ISSUED FOR TENDER	06/07/2019
4	99% REVIEW	02/07/2019
3	99% REVIEW	02/04/2018
2	99% REVIEW	29/09/2017
1	50% REVIEW	27/05/2016
Revision/Revision	Description/Description	Date/Date

Client/client

CORRECTIONAL
SERVICES
CANADA

Project title/Titre du projet
**EDMONTON, ALBERTA
21611 MERIDIAN STREET
EDMONTON INSTITUTION
KITCHEN
REDEVELOPMENT**

Approved by/Approuve par
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Designed by/Concept par
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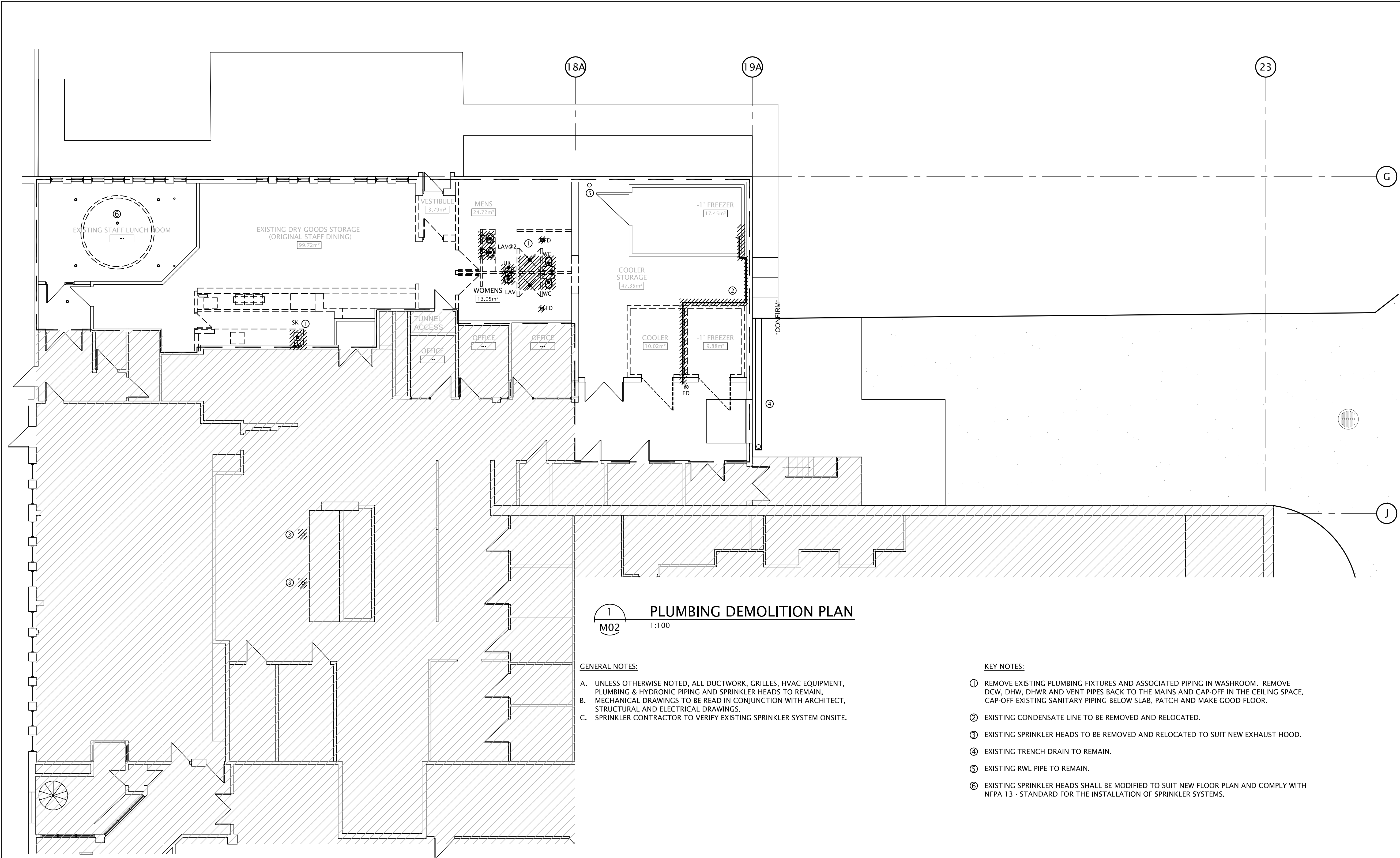
Client/client
CORRECTIONAL SERVICES CANADA

Drawing title/Titre du dessin
**MECHANICAL LEGEND, DETAIL,
SCHEDULE AND DRAWING LIST**

Project No./No. du projet
R.077204.001

Sheet/ Feuille
**M01
OF M04**

Revision no./
La Révision no.
5



1
M02
PLUMBING DEMOLITION PLAN
1:100

GENERAL NOTES:

- A. UNLESS OTHERWISE NOTED, ALL DUCTWORK, GRILLES, HVAC EQUIPMENT, PLUMBING & HYDRONIC PIPING AND SPRINKLER HEADS TO REMAIN.
- B. MECHANICAL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECT, STRUCTURAL AND ELECTRICAL DRAWINGS.
- C. SPRINKLER CONTRACTOR TO VERIFY EXISTING SPRINKLER SYSTEM ONSITE.

KEY NOTES:

- ① REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPING IN WASHROOM. REMOVE DCW, DHW, DHWR AND VENT PIPES BACK TO THE MAINS AND CAP-OFF IN THE CEILING SPACE. CAP-OFF EXISTING SANITARY PIPING BELOW SLAB, PATCH AND MAKE GOOD FLOOR.
- ② EXISTING CONDENSATE LINE TO BE REMOVED AND RELOCATED.
- ③ EXISTING SPRINKLER HEADS TO BE REMOVED AND RELOCATED TO SUIT NEW EXHAUST HOOD.
- ④ EXISTING TRENCH DRAIN TO REMAIN.
- ⑤ EXISTING RWL PIPE TO REMAIN.
- ⑥ EXISTING SPRINKLER HEADS SHALL BE MODIFIED TO SUIT NEW FLOOR PLAN AND COMPLY WITH NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS.

PRELIMINARY
NOT FOR CONSTRUCTION

Revision/	Description/Description	Date/Date
5	ISSUED FOR TENDER	06/07/2019
4	99% REVIEW	02/07/2019
3	99% REVIEW	02/04/2018
2	99% REVIEW	29/09/2017
1	50% REVIEW	27/05/2016

Client/client

**CORRECTIONAL
SERVICES
CANADA**

Project title/Titre du projet
**EDMONTON, ALBERTA
21611 MERIDIAN STREET
EDMONTON INSTITUTION**
**KITCHEN
REDEVELOPMENT**

Approved by/Approuve par
LY

Designed by/Concept par
KQ

Drawn by/Dessine par
KQ
PWGSC Project Manager/Administrateur de Projets TPSCG
JAMES PATTISON

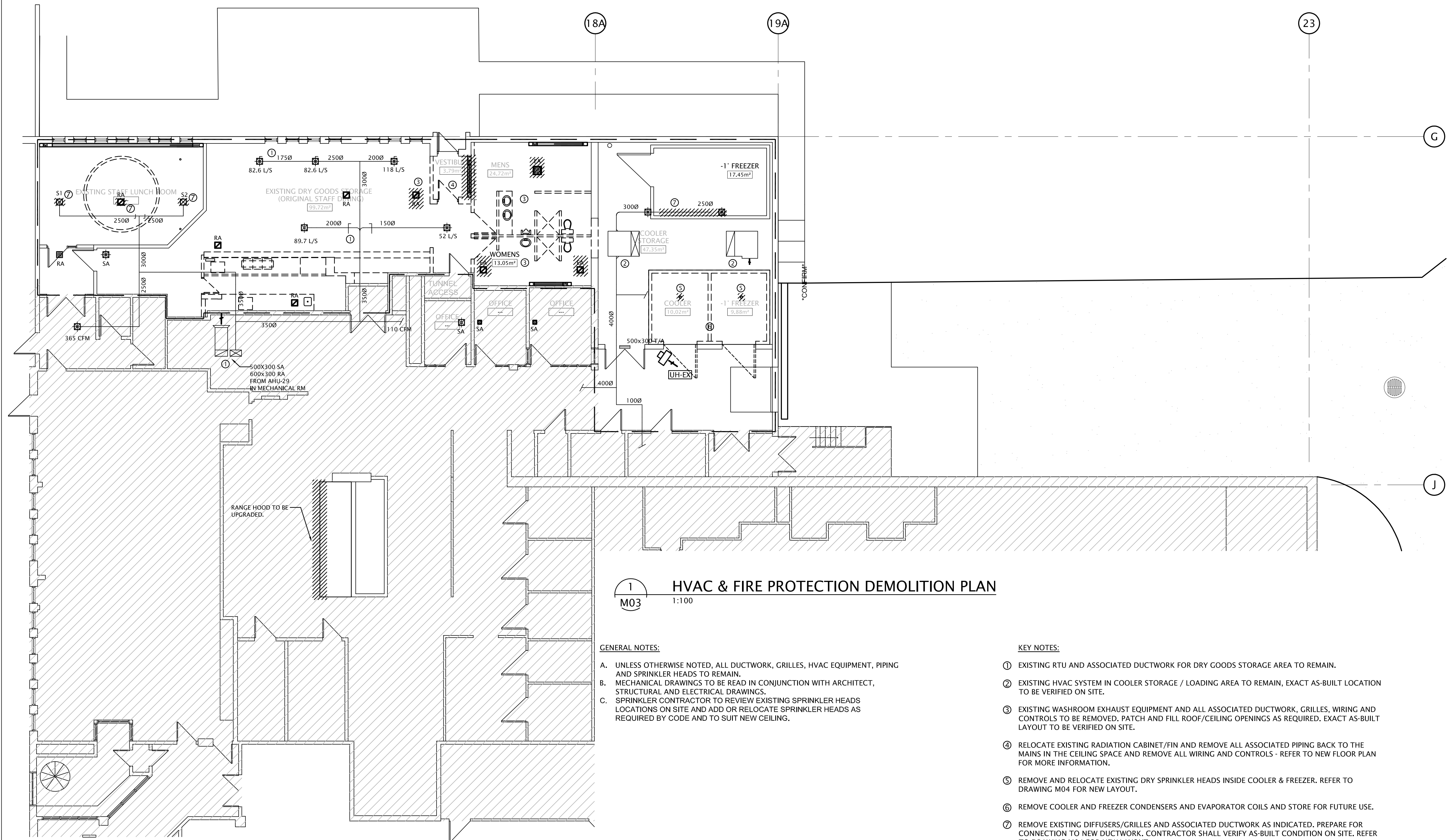
PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSCG

Client/client
CORRECTIONAL SERVICES CANADA

Drawing title/Titre du dessin
PLUMBING DEMOLITION PLAN

Project No./No. du projet R.077204.001	Sheet/ Feuille M02 OF M04	Revision no./ La Révision no. 5
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PRELIMINARY
NOT FOR CONSTRUCTION



1
M03
HVAC & FIRE PROTECTION DEMOLITION PLAN
1:100

GENERAL NOTES:

- UNLESS OTHERWISE NOTED, ALL DUCTWORK, GRILLES, HVAC EQUIPMENT, PIPING AND SPRINKLER HEADS TO REMAIN.
- MECHANICAL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECT, STRUCTURAL AND ELECTRICAL DRAWINGS.
- SPRINKLER CONTRACTOR TO REVIEW EXISTING SPRINKLER HEADS LOCATIONS ON SITE AND ADD OR RELOCATE SPRINKLER HEADS AS REQUIRED BY CODE AND TO SUIT NEW CEILING.

KEY NOTES:

- EXISTING RTU AND ASSOCIATED DUCTWORK FOR DRY GOODS STORAGE AREA TO REMAIN.
- EXISTING HVAC SYSTEM IN COOLER STORAGE / LOADING AREA TO REMAIN, EXACT AS-BUILT LOCATION TO BE VERIFIED ON SITE.
- EXISTING WASHROOM EXHAUST EQUIPMENT AND ALL ASSOCIATED DUCTWORK, GRILLES, WIRING AND CONTROLS TO BE REMOVED. PATCH AND FILL ROOF/CEILING OPENINGS AS REQUIRED. EXACT AS-BUILT LAYOUT TO BE VERIFIED ON SITE.
- RELOCATE EXISTING RADIATION CABINET/FIN AND REMOVE ALL ASSOCIATED PIPING BACK TO THE MAINS IN THE CEILING SPACE AND REMOVE ALL WIRING AND CONTROLS - REFER TO NEW FLOOR PLAN FOR MORE INFORMATION.
- REMOVE AND RELOCATE EXISTING DRY SPRINKLER HEADS INSIDE COOLER & FREEZER. REFER TO DRAWING M04 FOR NEW LAYOUT.
- REMOVE COOLER AND FREEZER CONDENSERS AND EVAPORATOR COILS AND STORE FOR FUTURE USE.
- REMOVE EXISTING DIFFUSERS/GRILLES AND ASSOCIATED DUCTWORK AS INDICATED. PREPARE FOR CONNECTION TO NEW DUCTWORK. CONTRACTOR SHALL VERIFY AS-BUILT CONDITION ON SITE. REFER TO DRAWING M04 FOR NEW LAYOUT.

Revision/Revision	Description/Description	Date/Date
5	ISSUED FOR TENDER	06/07/2019
4	99% REVIEW	02/07/2019
4	99% REVIEW	02/04/2018
2	99% REVIEW	29/09/2017
1	50% REVIEW	27/05/2016

**CORRECTIONAL
SERVICES
CANADA**

Project title/Titre du projet
**EDMONTON, ALBERTA
21611 MERIDIAN STREET
EDMONTON INSTITUTION**

**KITCHEN
REDEVELOPMENT**

Approved by/Approuvé par
LY

Designed by/Concept par
KQ

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CORRECTIONAL SERVICES CANADA

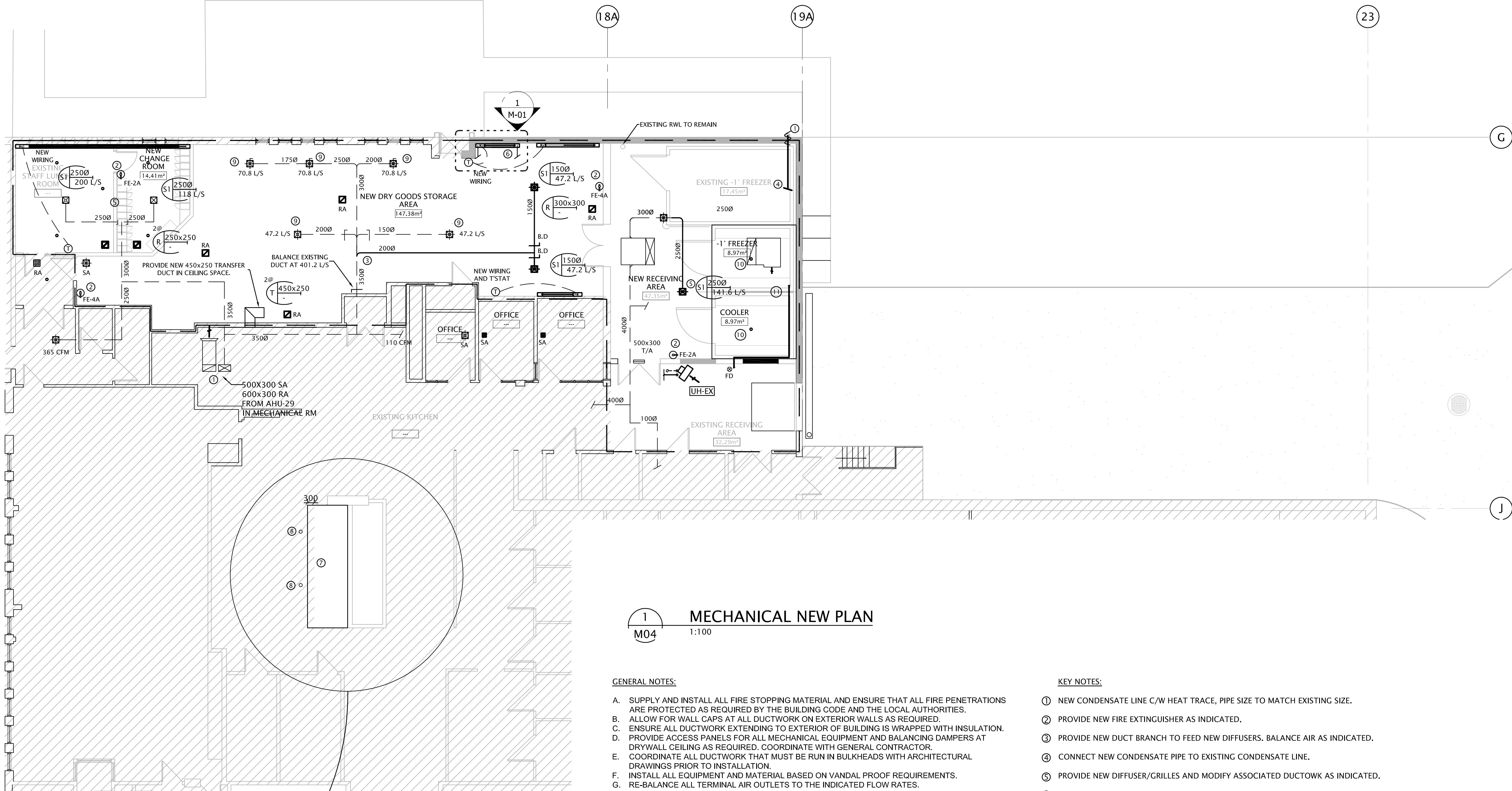
Drawing title/Titre du dessin
**HVAC & FIRE PROTECTION
DEMOLITION PLAN**

Project No./No. du
projet
R.077204.001

Sheet/Feuille
M03
OF M04

Revision no./
La Révision
no.
5

PRELIMINARY
NOT FOR CONSTRUCTION



1
M04
MECHANICAL NEW PLAN
1:100

GENERAL NOTES:

- SUPPLY AND INSTALL ALL FIRE STOPPING MATERIAL AND ENSURE THAT ALL FIRE PENETRATIONS ARE PROTECTED AS REQUIRED BY THE BUILDING CODE AND THE LOCAL AUTHORITIES.
- ALLOW FOR WALL CAPS AT ALL DUCTWORK ON EXTERIOR WALLS AS REQUIRED.
- ENSURE ALL DUCTWORK EXTENDING TO EXTERIOR OF BUILDING IS WRAPPED WITH INSULATION.
- PROVIDE ACCESS PANELS FOR ALL MECHANICAL EQUIPMENT AND BALANCING DAMPERS AT DRYWALL CEILING AS REQUIRED. COORDINATE WITH GENERAL CONTRACTOR.
- COORDINATE ALL DUCTWORK THAT MUST BE RUN IN BULKHEADS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
- INSTALL ALL EQUIPMENT AND MATERIAL BASED ON VANDAL PROOF REQUIREMENTS.
- RE-BALANCE ALL TERMINAL AIR OUTLETS TO THE INDICATED FLOW RATES.
- SPRINKLER CONTRACTOR TO REVIEW EXISTING SPRINKLER HEAD LOCATIONS ON SITE AND ADD OR RELOCATE SPRINKLER HEADS AS REQUIRED BY CODE AND TO SUIT NEW CEILING.
- EXACT AS-BUILT LOCATIONS TO BE VERIFIED BY CONTRACTOR ON SITE.




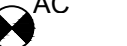









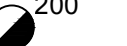


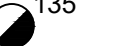






































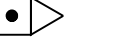




































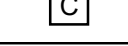
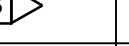


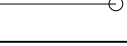

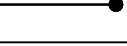


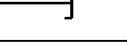

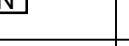


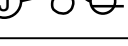


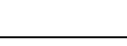
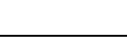
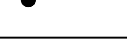

MECHANICAL LEGEND:

- 3000
EXISTING MECHANICAL TO REMAIN
- 2000
NEW MECHANICAL LAYOUT

KEY NOTES:


- NEW CONDENSATE LINE C/W HEAT TRACE, PIPE SIZE TO MATCH EXISTING SIZE.
- PROVIDE NEW FIRE EXTINGUISHER AS INDICATED.
- PROVIDE NEW DUCT BRANCH TO FEED NEW DIFFUSERS. BALANCE AIR AS INDICATED.
- CONNECT NEW CONDENSATE PIPE TO EXISTING CONDENSATE LINE.
- PROVIDE NEW DIFFUSER/GRILLES AND MODIFY ASSOCIATED DUCTOWK AS INDICATED.
- EXISTING RADIATION CABINET/FIN TO BE RELOCATED AS INDICATED. RUN NEW 20ø HEATING SUPPLY AND HEATING RETURN PIPE TO/AND FROM HEATING MAINS IN THE CEILING SPACE, C/W THERMOSTAT, CONTROL VALVE AND ISOLATION VALVES.
- RANGE HOOD TO BE EXTENDED AS INDICATED. RANGE HOOD FAN TO REMAIN THE SAME.
- SPRINKLER HEADS TO BE RELOCATED AS INDICATED.
- RE-BALANCING AIR FLOW AS INDICATED.
- RELOCATED DRY SPRINKLER HEADS INSIDE COOLER AND FREEZER AS INDICATED. CONNECT TO EXISTING SPRINKLER LINE.
- RE-INSTALLED EXISTING CONDENSERS AND EVAPORATOR COILS AND ASSOCIATED PIPING. PROVIDE CONDENSATE PIPES AND DISCHARGE TO EXISTING FLOOR DRAIN AS SHOWN. CONDENSATE INSIDE FREEZER AND COOLER TO BE C/W HEAT TAPE AND INSULATION.



LEGEND OF SYMBOLS										OCT 2014
LIGHTING		MECHANICAL		COMMUNICATION SYSTEMS		FIRE ALARM				
	RECESSED LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE		MOTOR		VOICE OUTLET		SMOKE ALARM			
	SURFACE LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE		MOTOR C/W DISCONNECT SWITCH		DATA OUTLET		SMOKE ALARM/CARBON MONOXIDE ALARM			
	WALL LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE		MOTOR C/W MANUAL STARTER		COMBINATION VOICE/DATA OUTLET		SMOKE ALARM/CARBON MONOXIDE ALARM C/W STROBE			
	LED / INCANDESCENT / COMPACT FLUORESCENT WALL WASHER		UNFUSED DISCONNECT SWITCH		TELEVISION OUTLET		SMOKE DETECTOR			
	RECESSED LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE ON EMERGENCY POWER		FUSED DISCONNECT SWITCH		COMBINATION VOICE/TELEVISION OUTLET		SMOKE DETECTOR IN CEILING PLENUM			
	SURFACE LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE ON EMERGENCY POWER		COMBINATION MAGNETIC STARTER/DISCONNECT SWITCH		FLOOR MOUNTED VOICE OUTLET		SMOKE DETECTOR UNDER FLOOR			
	WALL LED / INCANDESCENT / COMPACT FLUORESCENT LUMINAIRE ON EMERGENCY POWER		MAGNETIC STARTER		FLOOR MOUNTED DATA OUTLET		RATE OF RISE HEAT DETECTOR			
	RECESSED FLUORESCENT LUMINAIRE		FAN SPEED CONTROLLER		FLOOR MOUNTED COMBINATION VOICE/DATA OUTLET		FIXED HIGH TEMPERATURE 200°F HEAT DETECTOR (88°C)			
	SURFACE FLUORESCENT LUMINAIRE		THERMOSTAT		FLOOR MOUNTED TELEVISION OUTLET		FIXED HIGH TEMPERATURE 135°F HEAT DETECTOR (58°C)			
	WALL FLUORESCENT LUMINAIRE		SENSOR		CEILING MOUNTED DATA OUTLET		DUCT SMOKE DETECTOR - 'SA' DENOTES SUPPLY AIR, 'RA' DENOTES RETURN AIR			
	WALL FLUORESCENT LUMINAIRE ON EMERGENCY POWER		MOTOR IDENTIFICATION TAG (REFER TO MECHANICAL SCHEDULE)		CEILING MOUNTED TELEVISION OUTLET		DUCT SMOKE DETECTOR C/W SHUTDOWN RELAY			
	FLUORESCENT STRIP LUMINAIRE		BASEBOARD HEATER		MICROPHONE OUTLET		FIRE ALARM PULL STATION			
	FLUORESCENT STRIP LUMINAIRE				PA SPEAKER - CEILING MOUNTED		SPRINKLER FLOW SWITCH			
	RECESSED FLUORESCENT LUMINAIRE ON EMERGENCY POWER	POWER			PA SPEAKER - WALL MOUNTED		SPRINKLER TAMPER SWITCH			
	SURFACE FLUORESCENT LUMINAIRE ON EMERGENCY POWER		SINGLE/SPECIAL PURPOSE RECEPTACLE		VOLUME CONTROLLER		SPRINKLER PRESSURE SWITCH			
	TRACK LIGHTING C/W LIGHTING HEADS AS SHOWN		DUPLEX RECEPTACLE		CHIME		END OF LINE RESISTOR			
	POLE MOUNTED LUMINAIRE		ISOLATED GROUND RECEPTACLE		CLOCK - CEILING MOUNTED		FIRE ALARM BELL			
	LIGHTING BOLLARD		GROUND FAULT RECEPTACLE		CLOCK - WALL MOUNTED		FIRE ALARM COMBINATION BELL AND STROBE			
	LIGHTING LUMINAIRE TYPE TAG		SPLIT/SWITCHED CIRCUIT RECEPTACLE		PAC-POLE		FIRE ALARM HORN			
	EXIT LIGHT - CEILING (C/W ARROWS AS INDICATED)		20A T-SLOT RECEPTACLE		WATER DETECTOR		FIRE ALARM COMBINATION HORN AND STROBE			
	EXIT LIGHT - WALL (C/W ARROWS AS INDICATED)		FOURPLEX RECEPTACLE		GROUND BAR		FIRE ALARM MINI HORN/STROBE WITH SILENCE BUTTON			
	EMERGENCY POWER BATTERY PACK		ISOLATED GROUND FOURPLEX RECEPTACLE		BACKBOARD		FIRE ALARM MINI HORN WITH SILENCE BUTTON			
	EMERGENCY POWER BATTERY PACK C/W LIGHTING HEADS		COMPUTER DUPLEX RECEPTACLE (FED W/ DEDICATED NEUTRAL)				FIRE ALARM STROBE			
	EMERGENCY POWER BATTERY PACK C/W R, HEADS & EXIT LIGHT		COMPUTER FOURPLEX RECEPTACLE (FED W/ DEDICATED NEUTRAL)	SECURITY SYSTEMS			FIRE ALARM MINI SPEAKER WITH SILENCE BUTTON			
	SINGLE REMOTE EMERGENCY LIGHTING HEAD - CEILING MOUNT		FLOOR MOUNTED RECEPTACLE		SECURITY HORN		FIRE ALARM SPEAKER - CEILING MOUNTED			
	DOUBLE REMOTE EMERGENCY LIGHTING HEAD - CEILING MOUNT		FLOOR MOUNTED ISOLATED GROUND RECEPTACLE		PUSH BUTTON		FIRE ALARM COMBINATION SPEAKER/STROBE - CEILING MOUNTED			
	SINGLE REMOTE EMERGENCY LIGHTING HEAD - WALL MOUNT		FLOOR MOUNTED FOURPLEX ISOLATED GROUND RECEPTACLE		MAGNETIC DOOR HOLD OPEN		FIRE ALARM SPEAKER - WALL MOUNTED			
	DOUBLE REMOTE EMERGENCY LIGHTING HEAD - WALL MOUNT		FLOOR MOUNTED COMPUTER DUPLEX RECEPTACLE W/DEDICATED NEUTRAL		MAGNETIC LOCK		FIRE ALARM COMBINATION SPEAKER/STROBE - WALL MOUNTED			
	SWITCH - SINGLE, TWO, AND THREE GANG		CEILING MOUNTED SINGLE/SPECIAL PURPOSE RECEPTACLE		ELECTRIC STRIKE		FIRE PHONE			
	2 POLE SWITCH		CEILING MOUNTED DUPLEX RECEPTACLE		DOOR POSITION SWITCH		ISOLATION MODULE			
	SWITCH - 3 WAY		CEILING MOUNTED JUNCTION/SLAB BOX		REQUEST TO EXIT SENSOR		SUITE AUDIBLE ISOLATOR			
	SWITCH - LOW VOLTAGE		FLOOR MOUNTED JUNCTION/SLAB BOX		SECURITY MOTION SENSOR		CONTROL MODULE			
	SWITCH - KEY SWITCH		WALL MOUNTED JUNCTION BOX		CARD READER		MONITORING MODULE			
	SWITCH - MANUAL STARTER		ELECTRICAL PANELBOARD - SURFACE MOUNTED		2-WAY VOICE/PANIC	GENERAL				
	SWITCH - DIMMER SWITCH		ELECTRICAL PANELBOARD - RECESSED		INTERCOM		CONDUIT CONCEALED IN WALL OR CEILING			
	SWITCH - OCCUPANCY SENSOR SWITCH		CONTACTOR		SECURITY STROBE		CONDUIT CONCEALED IN SLAB OR RUN UNDERGROUND			
	SWITCH C/W PILOT LIGHT - SINGLE GANG		CAR PLUG POST		CCTV CAMERA		CONDUIT UP			
	SWITCH - TIMER SWITCH		TIME CLOCK		GLASS BREAKAGE SENSOR		CONDUIT DOWN			
	PHOTO ELECTRIC CELL		SINGLE PHASE DIRECT CONNECTION		KEYPAD		CONDUIT STUB			
	OCCUPANCY SENSOR - CEILING MOUNTED		THREE PHASE DIRECT CONNECTION		INTERCOM		CONDUIT CONTINUATION			
	DAYLIGHT HARVESTING LIGHT SENSOR		DROP CORD		RELAY MODULE		DENOTES WEATHERPROOF DEVICE			
							DENOTES UNSWITCHED LUMINAIRE (NIGHT LIGHT)			
							DENOTES DEVICE TO REMOVE OR RELOCATE			
							DENOTES RELOCATED DEVICE			
							DENOTES FURNITURE MOUNTED DEVICE			
							DENOTES EXISTING TO REMAIN			

LIST OF DRAWINGS	
E1	ELECTRICAL COVER SHEET
E2	ELECTRICAL EXISTING POWER AND LIGHTING
E3	ELECTRICAL POWER AND LIGHTING
E4	ELECTRICAL DETAILS AND SCHEDULES



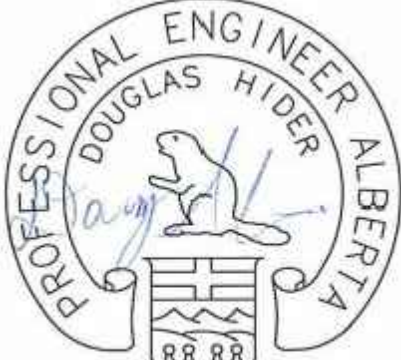


Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

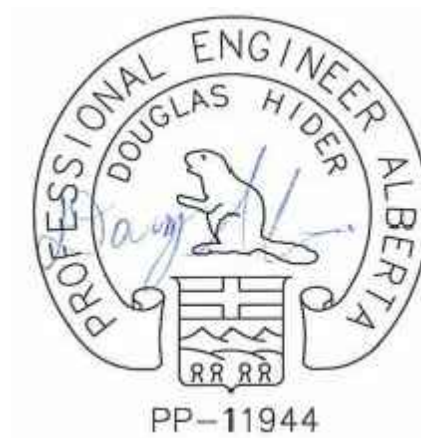
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2019-06-07

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3	99% REVIEW	2018-04-02
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1	50% REVIEW	2016-05-27
Revision/ Révision	Description/Description	Date/Date
Client/client		
CORRECTIONAL SERVICES CANADA		
Projet title/Titre du projet EDMONTON, ALBERTA 21611 MERIDIAN STREET EDMONTON INSTITUTION KITCHEN REDEVELOPMENT		
Approved by/ Approuvé par DH		
Designed by/ Concept par RA		
Drawn by/ Dessiné par RA		
PWGSC Project Manager/ Administrateur de Projets TPSCG JAMES PATTISON		
PWGSC Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSCG		
Client/client CORRECTIONAL SERVICES CANADA		
Drawing title/ Titre du dessin ELECTRICAL COVER SHEET		
Project No./No. du projet R.077204.001	Sheet/Feuille E1 OF E7	Revision no./ La Révision no. 1

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CANADA

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21611 MERIDIAN STREET
EDMONTON INSTITUTION

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JAMES PATTISON

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Client/client
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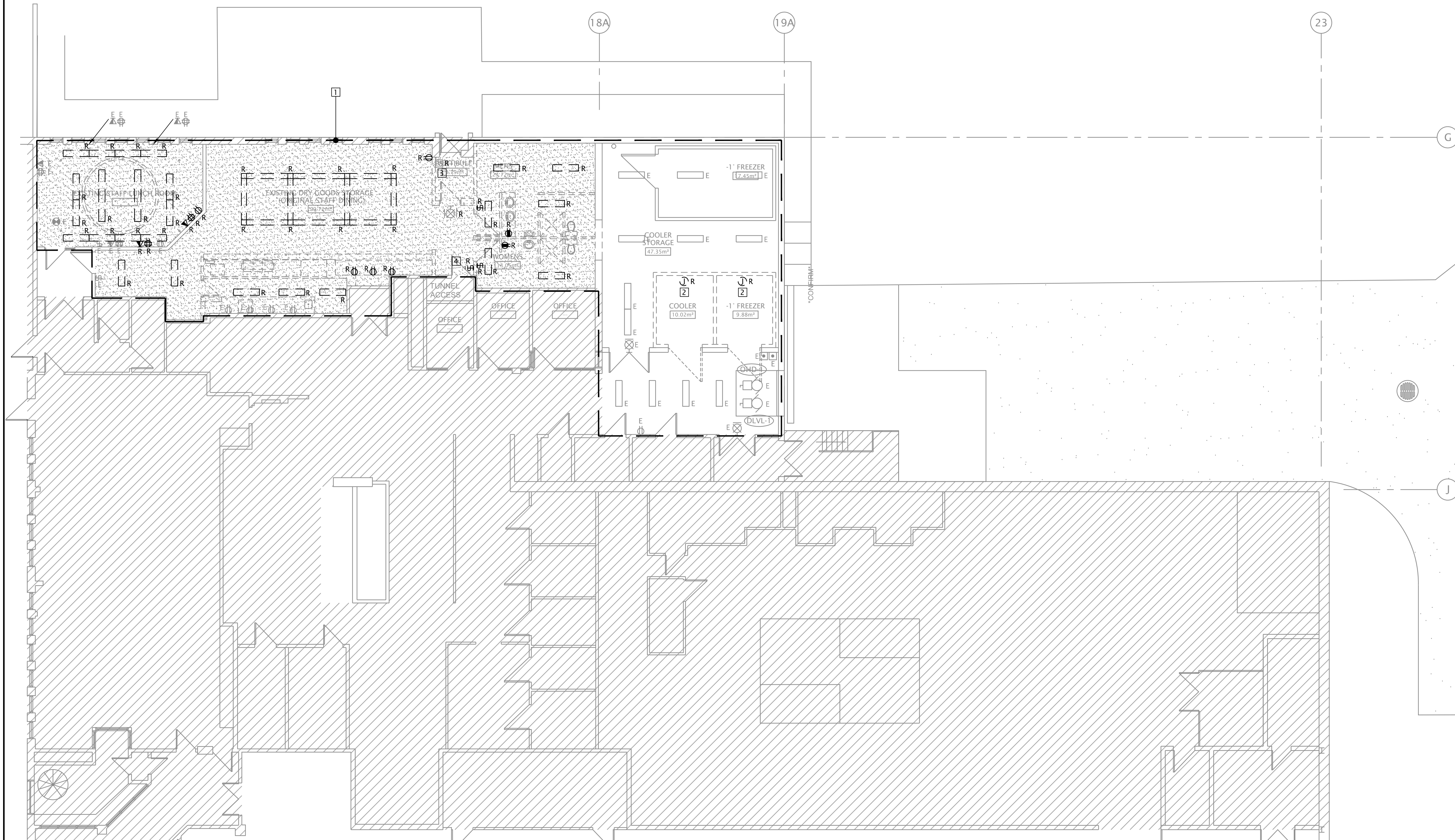
Drawing title/Titre du dessin

ELECTRICAL
EXISTING
POWER AND LIGHTING PLAN

Project No./No. du
projet
R.077204.001

Sheet/Feuille
E2
OF E7

Revision no./
La Révision
no.
1



GENERAL NOTES:

- REMOVE EXISTING ELECTRICAL DEVICES WHERE INDICATED. REMOVE WIRING BACK TO SOURCE OR TO NEAREST ZONE BOX TO BE REUSED FOR NEW DEVICES AS REQUIRED.
- FOR ABANDONED OUTLETS OR JUNCTION BOXES RECESSED IN WALL. REMOVE ALL WIRING AND PROVIDE COVER PLATE.
- EXISTING LAYOUT AS PER AS BUILT DRAWINGS AND MAY NOT REPRESENT EXACT SITE CONDITIONS. AS BUILT CONDITIONS TO BE VERIFIED ON SITE BY CONTRACTOR DURING PRE BID PHASE TO DETERMINE SCOPE OF DEMOLITION AND REMOVAL OF ELECTRICAL COMPONENTS AS THEY RELATE TO THE CONSTRUCTION AREA.
- ALL DEVICES NOT BEING REMOVED ARE TO REMAIN UNLESS OTHERWISE INDICATED. ALL DEVICES AND EQUIPMENT REMAINING, TO BE VERIFIED FOR CURRENT CODE COMPLIANCE AND SAFETY.
- ELECTRICAL CONTRACTOR TO ENSURE ALL FIXTURES, EXISTING TO REMAIN, ARE FUNCTIONING PROPERLY. REPLACE BULBS AND BALLASTS AS REQUIRED.

REFFERAL NOTES:

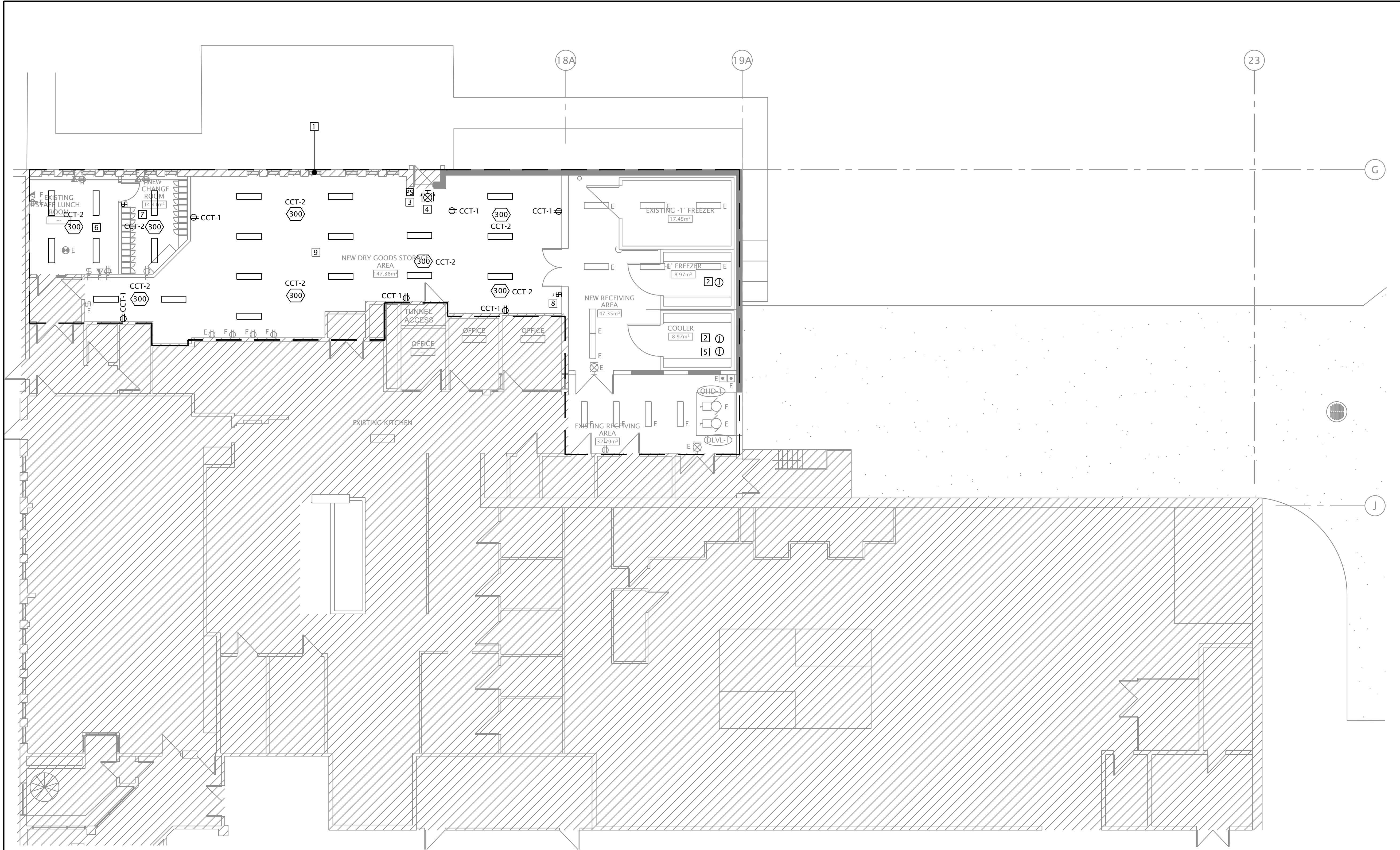
- AREA OF CONSTRUCTION.
- EXISTING COOLER CONNECTION. DISCONNECT FOR RELOCATION. RECONNECT IN NEW LOCATION AS INDICATED ON DRAWING E3.
- EXISTING PULLSTATION TO BE RELOCATED. RECONNECT IN NEW LOCATION AS INDICATED ON DRAWING E3.
- EXISTING 3 WAY SWITCH TO BE RELOCATED. REFER TO NEW PLAN LAYOUT FOR LOCATION.

1

E2

EXISTING POWER AND LIGHTING PLAN

1:100



GENERAL NOTES:

A. FOR CONNECTION OF NEW DEVICES TO EXISTING PANEL, CONTRACTOR TO CONFIRM LOADS AND CIRCUIT AVAILABILITY PRIOR TO CONNECTION. PROVIDE NEW CIRCUIT BREAKERS IN CORRESPONDING PANEL WHERE REQUIRED. CONTRACTOR TO PROVIDE UPDATED PANEL SCHEDULE UPON COMPLETION.

REFERRAL NOTES:

1 AREA OF CONSTRUCTION

2 RECONNECT AT NEW LOCATION IF EXISTING EQUIPMENT IS TO BE REUSED. FOR NEW EQUIPMENT CONTRACTOR TO CONFIRM EQUIPMENT REQUIREMENTS PRIOR TO CONNECTION AND SUPPLY, INSTALL NEW BREAKERS AND WIRING AS REQUIRED.

3 RECONNECT PULLSTATION TO NEAREST EXISTING FIRE ALARM SIGNALING LOOP.

4 NEW EXIT SIGN TO BE LUMACELL LS SERIES RUNNING MAN TYPE OR APPROVED EQUAL.

5 SUPPLY AND INSTALL SELF LIMITING HEAT TAPE ON CONDENSATE LINES IN FREEZER AND COOLER. PROVIDE 20A-1P BREAKER IN EXISTING PANEL FOR CONNECTION TO HEAT TAPE. REFER TO MANUFACTURERS SPECIFICATIONS FOR COMPLETE REQUIREMENTS. FURNISH AND INSTALL ALL NECESSARY COMPONENTS TO MAKE A COMPLETE AND OPERATIONAL SYSTEM. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF PIPING.

REFERRAL NOTES CONT:

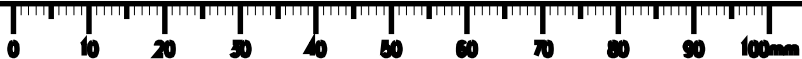
6 NEW FIXTURES CONNECTED TO EXISTING LIGHT SWITCH.

7 NEW FIXTURES CONNECTED TO NEW LIGHT SWITCH WHERE SHOWN.

8 RELOCATED 3 WAY SWITCH.

9 NEW FIXTURES TO BE CONNECTED TO EXISTING/RELOCATED 3 WAY LIGHT SWITCHES WHERE SHOWN.

1
E3
POWER AND LIGHTING PLAN
1:100



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21611 MERIDIAN STREET
EDMONTON INSTITUTION**

**KITCHEN
REDEVELOPMENT**

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JAMES PATTISON

PWGSC Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, TPSCG

Client/client
CORRECTIONAL SERVICES CANADA

Drawing title/Titre du dessin

**ELECTRICAL
POWER AND LIGHTING PLAN**

Project No./No. du
projet
R.077204.001

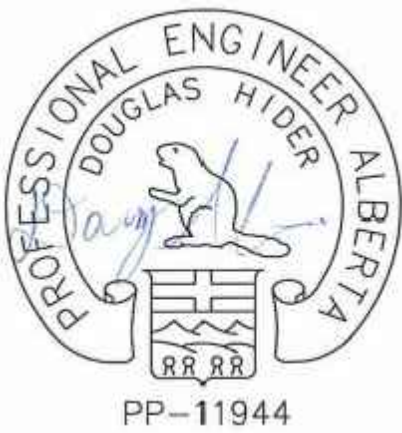
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E3
OF E7

Revision no./
La Révision
no.
1

Cct No.	* Load Description			Volt-Amperes			Breaker Pole	A	Wire Size	Breaker A	Pole	Volt-Amperes			Load Description	* Cct No.	
1	EXISTING													EXISTING	2		
3	EXISTING													EXISTING	4		
5	EXISTING													EXISTING	6		
7	EXISTING													EXISTING	8		
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73															74		
75															76		
77															78		
79															80		
81															82		
83															84		
Odd Circuit Number Subtotals				0	0	0	Features:				0	0	0				
Bus and Lugs Rating (A):		Total Phase A Load:		0.0		kVA						Remarks:					
Main Circuit Breaker Rating (A):		Total Phase B Load:		0.0		kVA						CONFIRM EXISTING PHASE AND TOTAL LOADS PRIOR TO MAKING NEW CONNECTIONS.					
Circuit Breaker IC Rating (kA):		Total Phase C Load:		0.0		kVA											
Phase:		3	Total Connected Load:		0.0		kVA										
Wires:		4	Demand Factor:		100		%										
Line to Line Voltage (V):		208	Demand Load:		0.0		kVA										
Line to Neutral Voltage (V):		120	Future Load:		0.0		kVA										
Number of Poles:		84	Total Demand Load:		0.0		kVA										
Mounting:		Total Demand Current:		0.0		A											
Panelboard																EXISTING 'PX'	
NORR																	
221-10th Avenue SE Suite 100, Calgary AB																	
Canada T2G 0V9																	

LUMINAIRE SCHEDULE								
		Lamps						
TYPE	DESCRIPTION	TYPE	WATTS	NO.	VOLTS	MANUFACTURER	MOUNTING	REMARKS
300	4' STRIP LIGHTING	LED	21	1	120	EATON LIGHTING CAT# 4SL5-TP204DD-120 OR APPROVED EQUAL	RECESSED	
NOTES:								

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