

CORRECTIONAL SERVICES CANADA

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Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

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2019-06-07

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ELECTRICAL

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ANY QUESTIONS SHOULD BE DIRECTED THROUGH THE PWGSC PROJECT MANAGER

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GENERAL NOTES:

- ALL CONSTRUCTION TO COMPLY WITH ALBERTA BUILDING CODE, REGULATIONS, RULES AND BY-LAWS SET BY THE AUTHORITY HAVING JURISDICTION.
- 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.
- PROVIDE AND MAINTAIN CONTINUOUS AIR/VAPOUR BARRIER SYSTEM. CAULK AROUND OPENINGS AND GAPS WITH SEALANT TO ACHIEVE A CONTINUOUS BARRIER.
- 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.
- VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE PRIOR TO FABRICATION. PROMPTLY NOTIFY THE ARCHITECT OF ANY ERRORS OR OMISSIONS.**
- DIMENSIONS ARE TAKEN TO GRID LINES, TO FACE OF STUD, TO FACE OF CONCRETE AND / OR BLOCK WALLS AND TO FACE OF CONCRETE SLAB.
- THE GENERAL CONTRACTOR SHALL ARRANGE FOR AND COORDINATE ALL INCOMING AND OUTGOING MECHANICAL AND ELECTRICAL SERVICES FOR THIS PROJECT.
- 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.
- ALL DOORS AND WINDOWS REFERENCED ON THE PLANS AND SCHEDULES ARE SHOWN NOMINAL SIZE. CONFIRM AND VERIFY ALL EXISTING CONSTRUCTIONS.
- ALL INTERIOR DOOR OPENINGS IN STUD FRAMING WALLS TO BE SPACED A MINIMUM OF 76mm (3") FROM THE ADJACENT WALL, UNLESS NOTED OTHERWISE.
- 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.
- ALL DOOR FRAMES TO BE GROUT FILLED
- 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.
- 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.
- 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.
- CONFIRM ALL ROUGH OPENING SIZES AND CONNECTION REQUIREMENTS FOR MECHANICAL, ELECTRICAL AND OWNER SUPPLIED EQUIPMENT. ADJUST ROUGH OPENING SIZES TO SUIT.
- INSTALL & CONNECT OWNER SUPPLIED EQUIPMENT OR APPLIANCES AS DIRECTED, CENTERED, LEVEL AND TRUE.
- PROVIDE ALL WARRANTIES, BONDS AND MANUFACTURERS' OPERATING INSTRUCTION AND SERVICE MANUALS AS WELL AS PARTS LISTS AT THE COMPLETION OF THE PROJECT.
- 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.

WALL & PARTITION NOTES:

- ALL INTERIOR WALLS EXTEND TO U/S OF STRUCTURE UNLESS NOTED OTHERWISE.
- FOR STUD SPACING, LINTEL SIZE, JOIST SPACING & OTHER RELATED INFORMATION, REFER TO STRUCTURAL DRAWINGS.
- MECHANICAL LINES TO BE INSULATED WITH INSULATION, SEE ALSO MECHANICAL SPECIFICATIONS.
- 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.
- GENERALLY DIMENSIONS ARE TAKEN TO FACE OF WALL FRAMING OR CONCRETE UNLESS SPECIFICALLY NOTED OTHERWISE.

MECHANICAL & ELECTRICAL:

- 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.
- 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.
- REFER TO DRAWINGS &/or ADDITIONAL SPECIFICATIONS
- CONTRACTOR TO CONFIRM EXISTING MECHANICAL & ELECTRICAL ELEMENTS AND SERVICE LINES IN AREA OF COOLER / FREEZER.
- CONTRACTOR TO ADVISE ARCHITECT OF CONFLICTS PRIOR TO DEMOLITION AND CONSTRUCTION.
- 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.

BUILDING CODE REVIEW:

THE FOLLOWING NOTES PROVIDE INFORMATION HIGHLIGHTING BUILDING DESIGN CRITERIA. IT IS NOT INTENDED TO DESCRIBE ALL DESIGN & CONSTRUCTION REQUIREMENTS.

PROJECT SCOPE SHALL BE CONSTRUCTED UNDER PART 3 OF THE ALBERTA BUILDING CODE 2014

- IT IS ASSUMED BUILDING WAS CONSTRUCTED IN 1978 UNDER PART 3 OF THE NATIONAL BUILDING CODE 1975.

**NO DOCUMENTATION EXISTS TO CONFIRM. CODE REFERENCES ARE ASSUMED AS PER NATIONAL RESEARCH COUNCIL CANADA HISTORICAL EDITIONS OF THE NATIONAL CONSTRUCTION CODES LISTING.*

- MAJOR OCCUPANCIES:** GROUP B, DIVISION 1 - DETENTION OCCUPANCIES
- BUILDING HEIGHT:** *BUILDING HEIGHT REMAINS UNCHANGED
- BUILDING AREAS:** PROJECT SCOPE AREA: 313.01 m² (INTERIOR)
*TOTAL BUILDING AREA REMAINS UNCHANGED

SPRINKLERS:
EXISTING SPRINKLERS WITHIN PROJECT SCOPE TO BE MODIFIED AS PER NEW PLANS.

FIRE CLOSURES (BCC, TABLE 3.1.8.4)

F.R.R. OF FIRE SEPARATION	REQUIRED FIRE PROTECTION RATING OF CLOSURE
45 min. (0.75 HR)	45 min. (0.75 HR)
60 min. (1.00 HR)	45 min. (0.75 HR)
90 min. (1.50 HR)	60 min. (1.00 HR)
120 min. (2.00 HR)	90 min. (1.50 HR)

FIRE SEPARATIONS:

EXISTING FIRE SEPARATIONS NOT IMPACTED BY PROJECT SCOPE.

BUILDING IS NON-COMBUSTIBLE WITH EXISTING CONCRETE BLOCK WALLS AND CONCRETE FLOORS PROVIDING AN ASSUMED 1 HOUR FIRE RATING.

MINIMUM EGRESS WIDTH:

PUBLIC CORRIDORS & EXIT CORRIDORS: 3'-7 1/2" (1100mm) 3.3.1.9., 3.4.3.1.2.(a)
2'-11 1/2" (900mm) 3.4.3.1.2.(b)

HEADROOM CLEARANCES:

EXITS: 6'-11" (2100mm) 3.4.3.6.(1)
STAIRS AND STAIR LANDINGS: 6'-9" (2050mm) 3.4.3.6.(2)
DOORWAYS: 6'-8" (2030mm) 3.4.3.6.(3)

CONCEALED SPACE:

COMPARTMENTALIZATION OF CONCEALED ATTIC SPACE OR CEILING SPACE BY FIRE STOPPING INTO 300 SQ.M. IN AREA WITH NO DIMENSION MORE THAN 20m. (3.1.11.5.(1)) 1/2" G.W.B. OR 1/2" O.S.B. FIRE STOPPING OF ROOF GABLE TRUSS HAVING ALL JOINTS ON CONTINUOUS SUPPORT. (3.1.11.7.(2))

LOCATION OF EXITS:

EXITING NOT IMPACTED BY PROJECT SCOPE.

REFERENCE SYMBOLS

DRAWING TITLE: ##
DETAIL NUMBER: XXXXXXXXXXXXXXXX
DETAIL TITLE: XXXXXXXXXXXXXXXX
DRAWING SCALE: 1:##
DRAWING / SHEET REFERENCE NUMBER: A#-##-##

- INDICATES AREA NOT INCLUDED IN SCOPE
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED
- NEW DOOR
- DENOTES DOOR TYPE
- DENOTES ROOM NAME
- DENOTES CEILING FINISH
- DEMOLITION KEYNOTE NUMBER
- NEW CONSTRUCTION KEYNOTE NUMBER

ARCHITECTURAL ABBREVIATIONS:

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
CONC	COLUMN	PL	PROPERTY LINE
CONT	CONCRETE	PTD	PAINTED
CONST	CONCRETE	PVC	POLYVINYL CHLORIDE
COORD	CONTINUOUS	R	RADIUS OR RISER
CORR	CONSTRUCTION	R/H	RANGE AND HOOD FAN
C/W	COORDINATE	RD	ROOF DRAIN
D	CORRIDOR	REQD	REQUIRED
DN	COMPLETE WITH	REV	REVERSE
D/W	DEPTH/ DEEP	RI	RIGID INSULATION
DWG	DISHWASHER	RO	ROUGH OPENING
EA	DRAWING	S	SINK
ELEC	EACH	SIM	SIMILAR
ELEV	ELECTRICAL	SPEC	SPECIFICATIONS
EQ	ELEVATION	STD	STEEL
FD	EQUAL	STRUCT	STRUCTURAL
FE	FRIDGE	T/O	TOP OF
FG	FLOOR DRAIN	T&G	TONGUE & GROOVE
FLR	FIRE EXTINGUISHER	TYP	TYPICAL
FRR	FIRREGLASS	U/S	UNDERSIDE
GALV	FIRE RESISTANCE RATING	VB	VAPOUR BARRIER
GL	GALVANIZED	VEST	VESTIBULE
GWB	GLASS	W	WIDTH
HT	GYPSUM WALL BOARD	W/C	WALK IN CLOSET
INSUL	HEIGHT	W/ OR /W	WITH
L	INSULATION	W/D	WASHER AND DRYER
LONG	LONG	W/O	WALL OVEN
MAX	MAXIMUM		
MC	MEDICINE CABINET		

PRELIMINARY
NOT FOR CONSTRUCTION

Revision/	Description/Description	Date/Date
4	ISSUED FOR TENDER	2019/06/07
3	ISSUED FOR 99% REVIEW	2019/02/07
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Client/client
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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 TPSC
JAMES PATTISON

PWSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, TPSC

Client/client
CORRECTIONAL SERVICES CANADA

Drawing title/Titre du dessin
**GENERAL NOTES AND BUILDING
CODE REVIEW**

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.077204.001	A00-01	4
	OF 8	

DOOR SCHEDULE

DOOR		REBATE DIMENSIONS (mm)			PANEL			FRAME			FIRE LABELS		REMARKS	DOOR HARDWARE	
No.	LOCATION	W	H	TH	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)	US26D	MK
2	FLUSH BOLT	US26D	RO
1	QUADRANT BOLT	626	OT
1	CLASSROOM LOCK	US26D	SA
1	CLASSROOM LOCK	US26D	SA
1	KEYED CYLINERS	626	OT

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

HARDWARE SET #2.0 DOOR # - D102

QTY.	DESCRIPTION	FINISH	MANUFACTURER
3	HINGE (HEAVY WEIGHT)	US26D	MK
1	PRIVACY LOCK	US26D	SA
1	DOOR CLOSER	EN	SA
1	DOOR STOP	US26D	RO

HARDWARE LIST

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

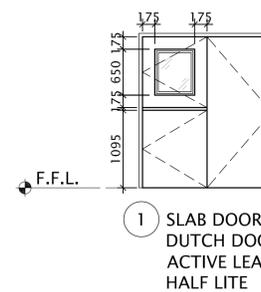
DOOR NOTES:

- 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.

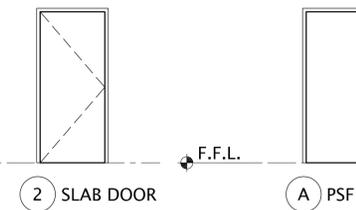
GLAZING NOTES:

- 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).

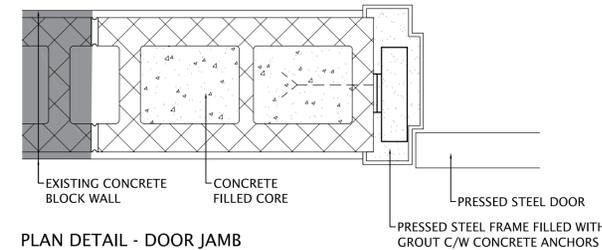
DOOR TYPES:



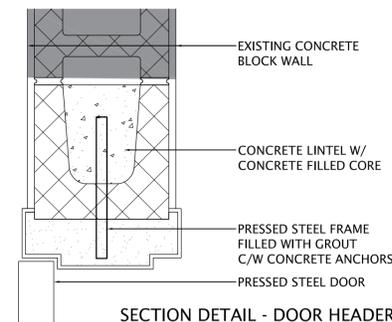
FRAME TYPES:



DOOR FRAME DETAILS:



PLAN DETAIL - DOOR JAMB



SECTION DETAIL - DOOR HEADER

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 SERVRY. 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. REPAIR 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 REPAIR 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 HOLLOW CONCRETE FILLED. PAINT FINISH BOTH SIDES (BUILT TO SECURE CONSTRUCTION 2 STANDARDS)

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Client/client
CORRECTIONAL SERVICES CANADA

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

Approved by/Approve par
BM

Designed by/Concept par
CD

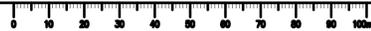
Drawn by/Dessine par
HS
PWSC Project Manager/Administrateur de Projets TPSC
JAMES PATTISON

PWSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, TPSC

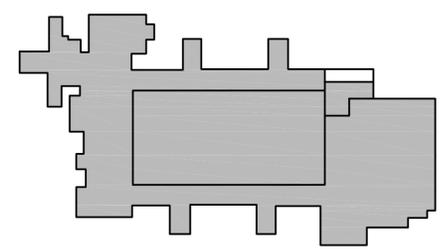
Client/client
CORRECTIONAL SERVICES CANADA

Drawing title/Titre du dessin
DOOR SCHEDULE, LEGENDS, AND KEYNOTES

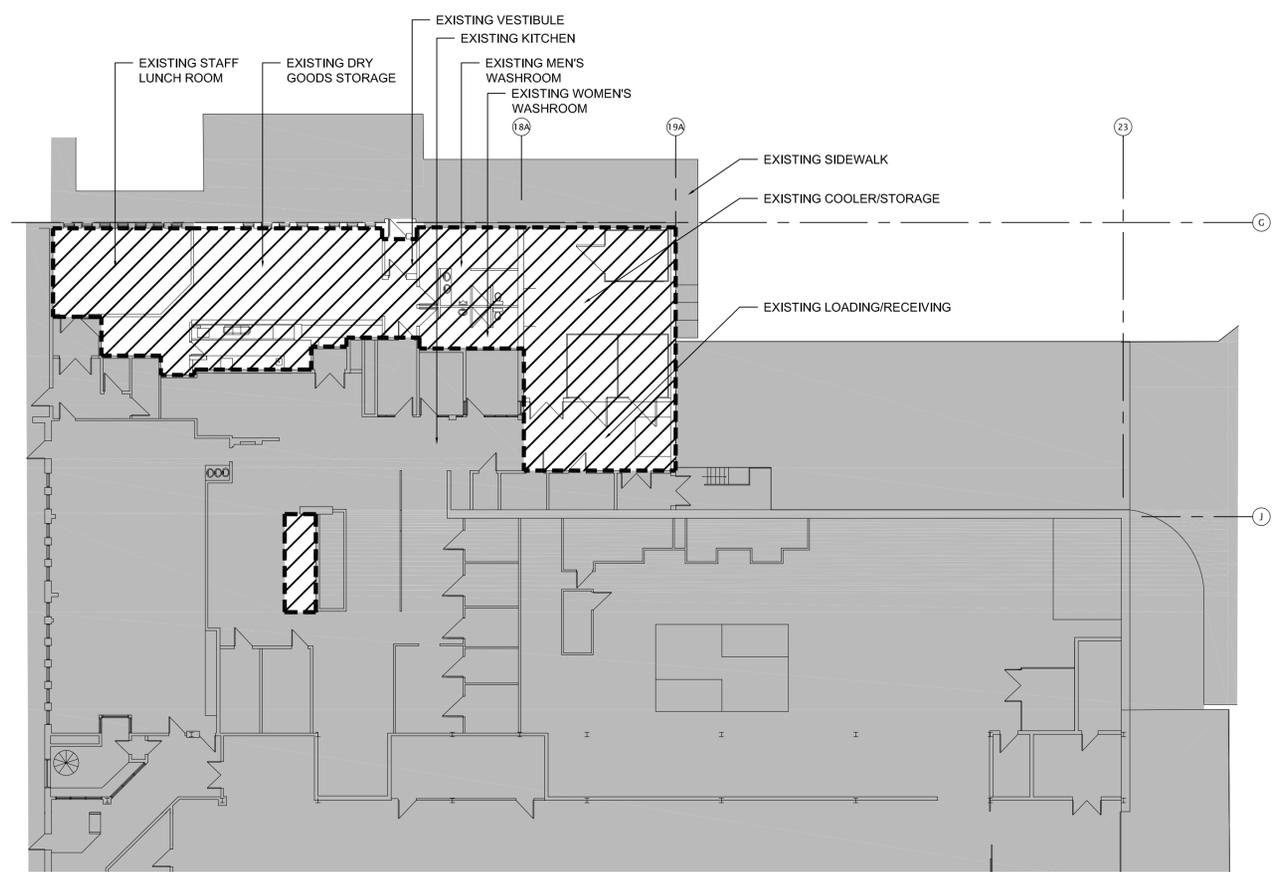
Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.077204.001	A00-02	4



PRELIMINARY
NOT FOR CONSTRUCTION



KEY PLAN



01 PARTIAL KEY PLAN
A20-01 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
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
PWSC Project Manager/ Administrateur de Projets TPSC
JAMES PATTISON

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

Client/ client
CORRECTIONAL SERVICES CANADA

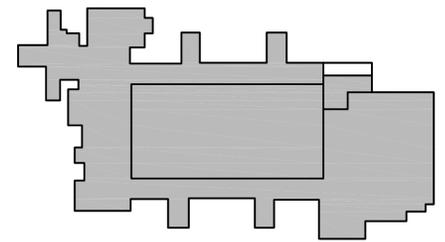
Drawing title/ Titre du dessin
PARTIAL KEY PLAN

Project No./No. du projet R.077204.001	Sheet/ Feuille A20-01 OF 8	Revision no./ La Révision no. 4
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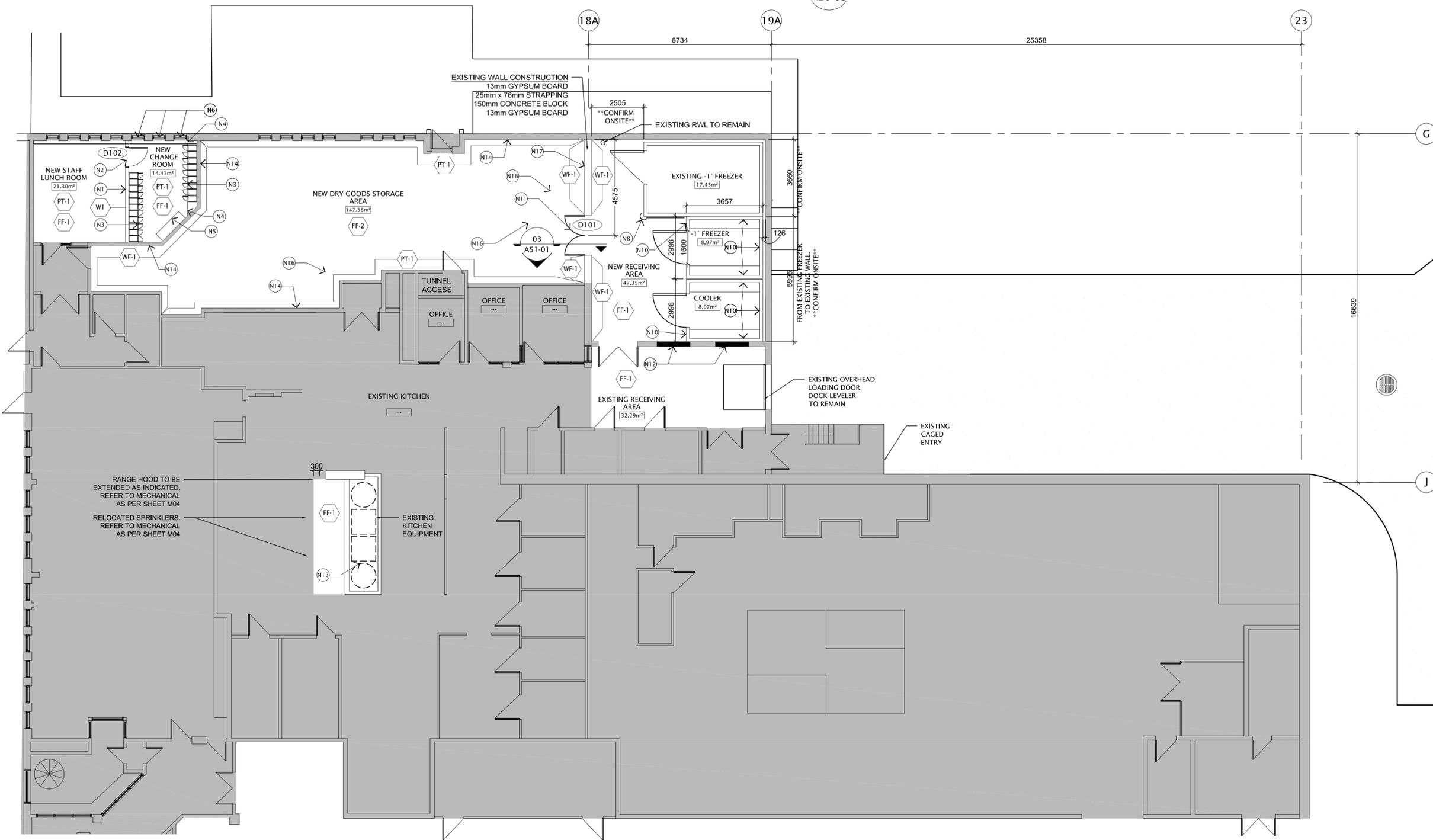
PRELIMINARY
NOT FOR CONSTRUCTION



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



KEY PLAN



01 NEW FLOOR PLAN
A20-03 1:100

Revision/Revision	Description/Description	Date/Date
4	ISSUED FOR TENDER	2019/06/07
3	ISSUED FOR 90% REVIEW	2019/02/07
2	ISSUED FOR 95% 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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JAMES PATTISON

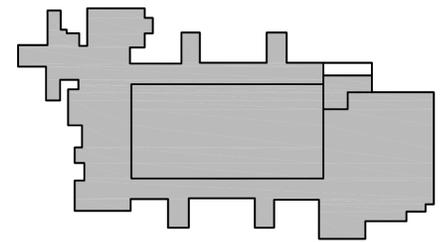
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Client/client
CORRECTIONAL SERVICES CANADA

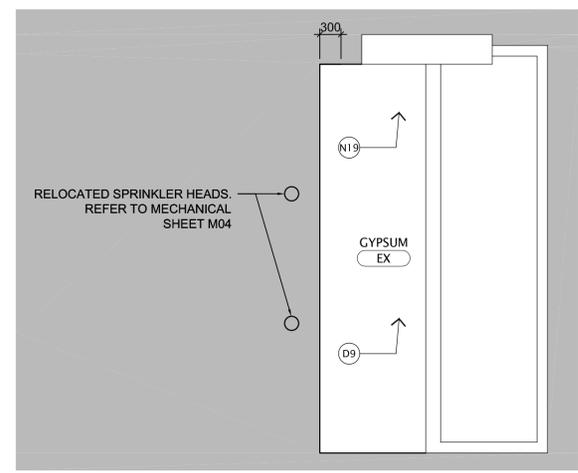
Drawing title/Titre du dessin
NEW FLOOR PLAN

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

PRELIMINARY
NOT FOR CONSTRUCTION



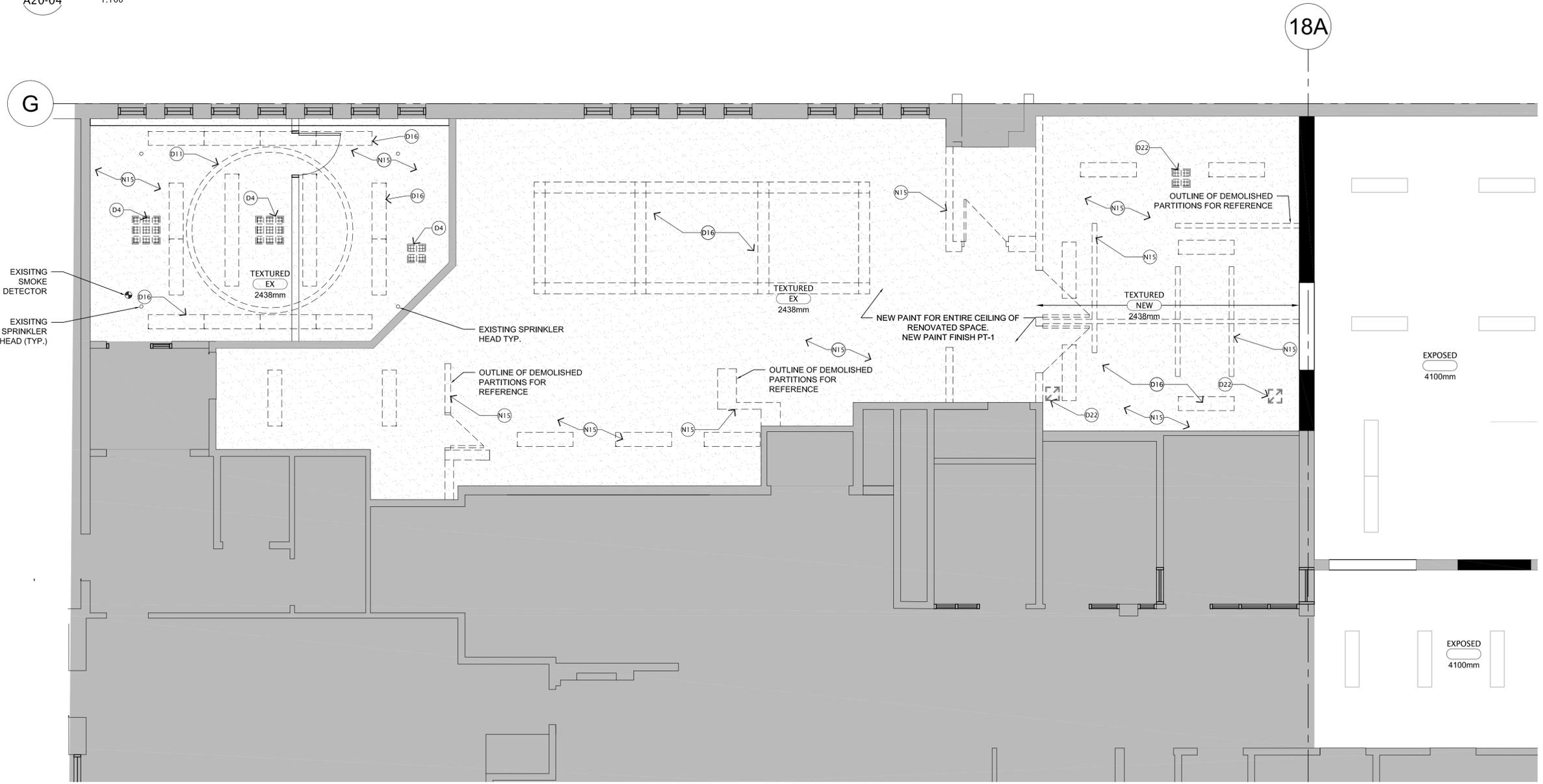
KEY PLAN



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.

02
A20-04
**HOOD FAN
NEW REFLECTED CEILING PLAN**
1:100



01
A20-04
REFLECTED CEILING PLAN
1:50

Revision/Revision	Description/Description	Date/Date
4	ISSUED FOR TENDER	2019/06/07
3	ISSUED FOR 99% REVIEW	2019/02/07
2	ISSUED FOR 95% 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
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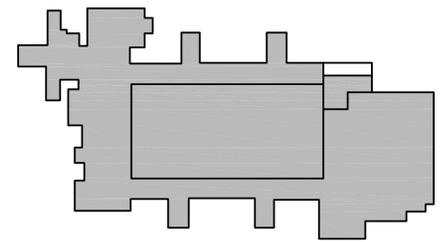
PWSC Project Manager/Administrateur de Projets TPSCG
JAMES PATTISON
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Client/client
CORRECTIONAL SERVICES CANADA

Drawing title/Titre du dessin
REFLECTED CEILING PLAN

Project No./No. du projet R.077204.001	Sheet/Feuille A20-04 OF 8	Revision no./ La Révision no. 4
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NOT FOR CONSTRUCTION



KEY PLAN



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.

16639

G

J

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	02/04/2018
1	ISSUED FOR COORDINATION	13/03/2018

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
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Client/client
CORRECTIONAL SERVICES CANADA

Drawing title/Titre du dessin
ROOF PLAN

Project No./No. du projet R.077204.001	Sheet/Feuille A20-05 OF 8	Revision no./La Révision no. 4
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01 ROOF PLAN
A20-05 1:100



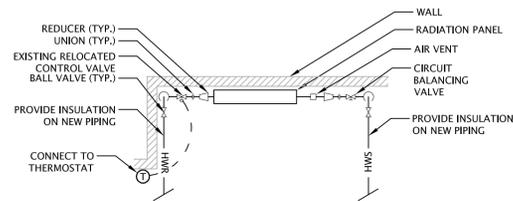
PRELIMINARY
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AIR HANDLING UNIT SCHEDULE																	
TAG	MANUF. AND MODEL	SUPPLY FAN				COOLING				HEATING COIL			ELECTRICAL DATA V/PH	KW	FLA	WEIGHT (LB)	NOTES
		S/A (L/S)	E.S.P. (PA)	R.P.M.	MOTOR DATA (HP)	TOTAL CAPACITY (KW)	SENSIBLE CAPACITY (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 DEFECTION 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
— HWS	HEATING WATER SUPPLY	—	THERMOMETER	⊕	DIFFUSER/GRILLE TYPE
— HWR	HEATING WATER RETURN	—	STRAINER	⊕	SIZE
— RS	REFRIGERATION SUCTION	—	SOLENOID VALVE	⊕	FIN TYPE
— RL	REFRIGERATION LIQUID	—	BACK FLOW PREVENTOR	⊕	SIZE
— HCD	CLEANOUT TURNED UP THROUGH FLOOR	—	CIRCULATION BALANCING VALVE	⊕	WATER HEATER TYPE
— HCD	CLEANOUT ABOVE GRADE OR FLOOR	—	PORTABLE FIRE EXTINGUISHER	⊕	TANK CAPACITY
— HCB	HOSE BIB	—	FIRE EXTINGUISHER IN CABINET	⊕	BACK DRAFT 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

Revision/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

CORRECTIONAL SERVICES CANADA

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

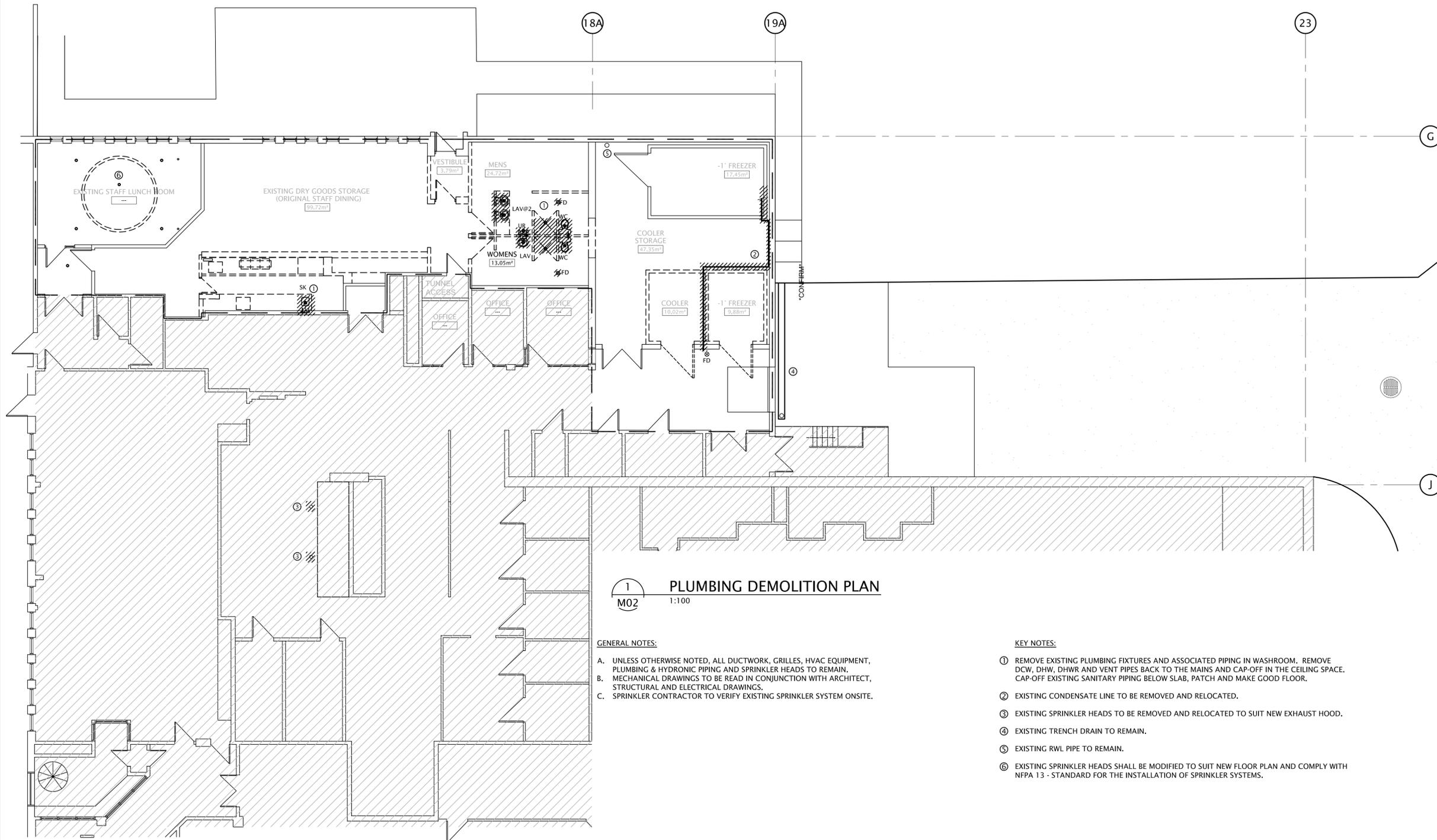
Approved by/Approuvé par
TH
Designed by/Concept par
KQ
Drawn by/Dessiné par
KQ
PWGSC Project Manager/Administrateur de Projets TPSCG
JAMES PATTISON

Client/Client
CORRECTIONAL SERVICES CANADA

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

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.077204.001	M01 OF M04	5

**PRELIMINARY
NOT FOR CONSTRUCTION**



1 PLUMBING DEMOLITION PLAN
M02 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.

Revision/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

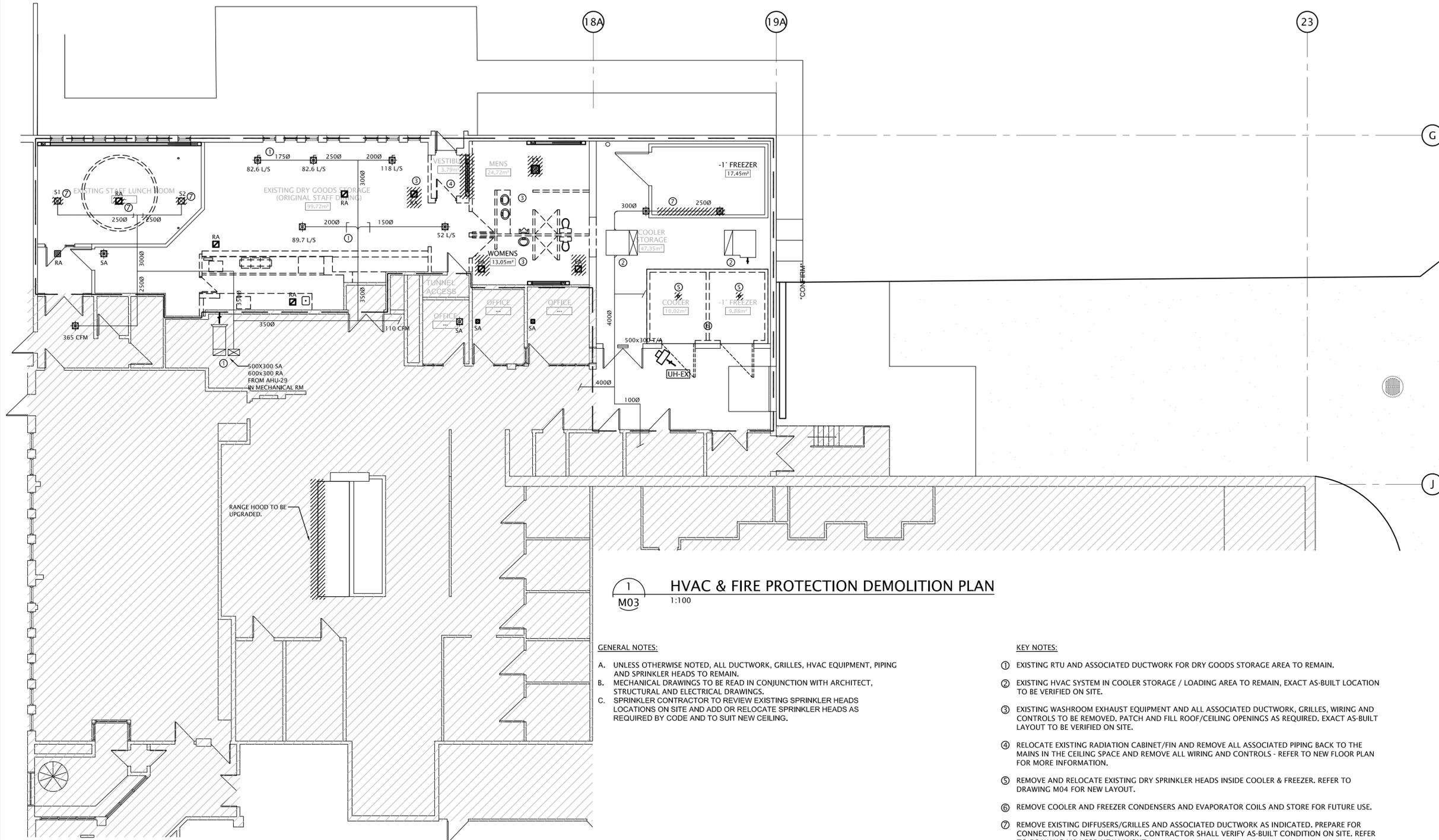
Client/client
CORRECTIONAL SERVICES CANADA

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

Approved by/Approve par
LY
Designed by/Concept par
KQ
Drawn by/Dessine par
KQ
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
PLUMBING DEMOLITION PLAN

Project No./No. du projet R.077204.001	Sheet/Fauille 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:

- A. UNLESS OTHERWISE NOTED, ALL DUCTWORK, GRILLES, HVAC EQUIPMENT, PIPING AND SPRINKLER HEADS TO REMAIN.
- B. MECHANICAL DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECT, STRUCTURAL AND ELECTRICAL DRAWINGS.
- C. 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:

- ① EXISTING RTU AND ASSOCIATED DUCTWORK FOR DRY GOODS STORAGE AREA TO REMAIN.
- ② EXISTING HVAC SYSTEM IN COOLER STORAGE / LOADING AREA TO REMAIN, EXACT AS-BUILT LOCATION TO BE VERIFIED ON SITE.
- ③ 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.
- ④ 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.
- ⑤ REMOVE AND RELOCATE EXISTING DRY SPRINKLER HEADS INSIDE COOLER & FREEZER. REFER TO DRAWING M04 FOR NEW LAYOUT.
- ⑥ REMOVE COOLER AND FREEZER CONDENSERS AND EVAPORATOR COILS AND STORE FOR FUTURE USE.
- ⑦ 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

Client/client
CORRECTIONAL SERVICES CANADA

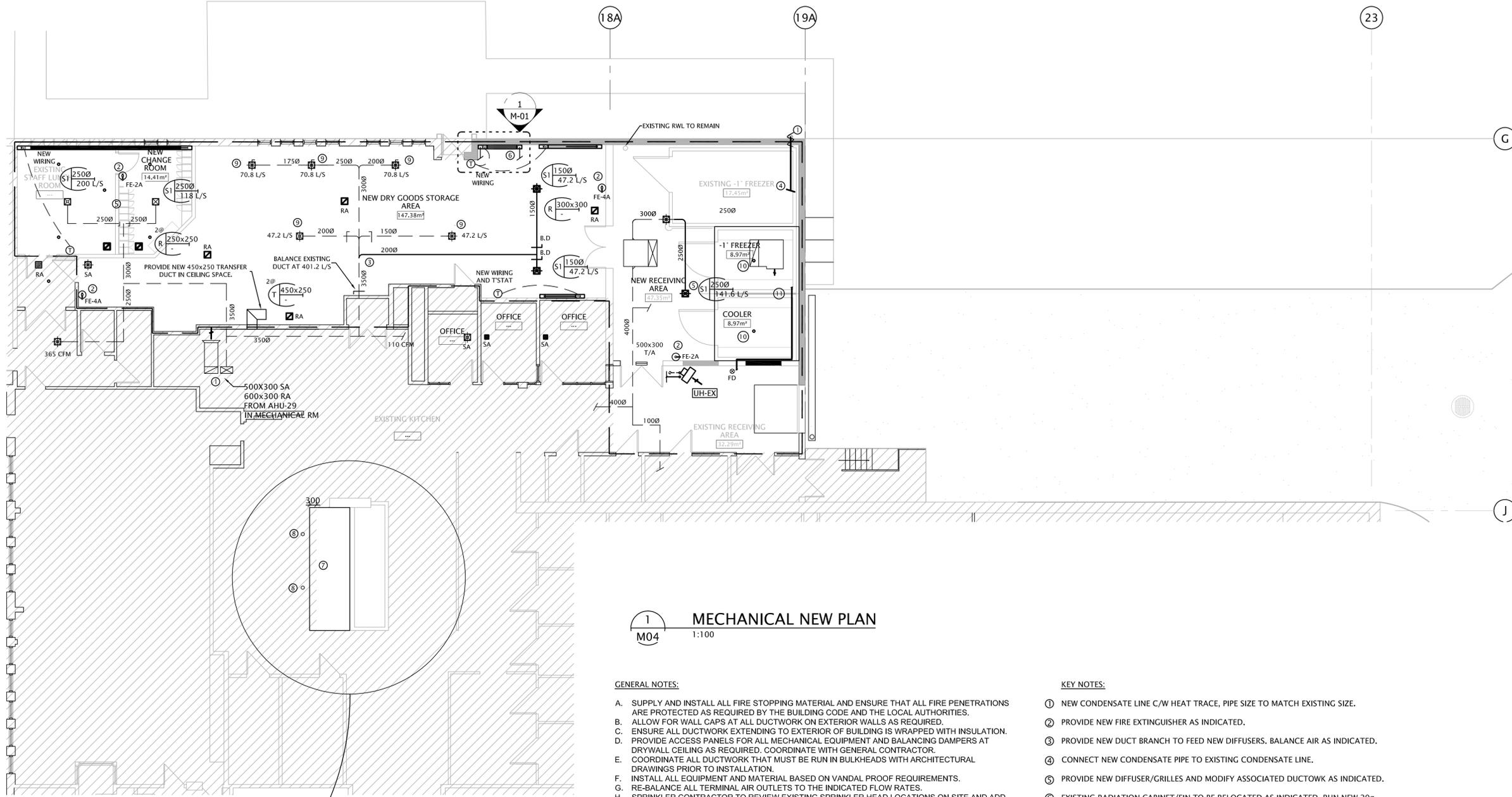
Project title/Titre du projet
**EDMONTON, ALBERTA
21611 MERIDIAN STREET
EDMONTON INSTITUTION
KITCHEN
REDEVELOPMENT**

Approved by/Approuvé par
LY
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KQ
Drawn by/Dessiné par
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PWSC Project Manager/Administrateur de Projets TPSCG
JAMES PATTISON
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Client/client
CORRECTIONAL SERVICES CANADA

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

Project No./No. du projet R.077204.001	Sheet/Fauille M03 OF M04	Revision no./ La Révision no. 5
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PRELIMINARY
NOT FOR CONSTRUCTION



1 MECHANICAL NEW PLAN
M04 1:100

GENERAL NOTES:

- A. 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.
- B. ALLOW FOR WALL CAPS AT ALL DUCTWORK ON EXTERIOR WALLS AS REQUIRED.
- C. ENSURE ALL DUCTWORK EXTENDING TO EXTERIOR OF BUILDING IS WRAPPED WITH INSULATION.
- D. PROVIDE ACCESS PANELS FOR ALL MECHANICAL EQUIPMENT AND BALANCING DAMPERS AT DRYWALL CEILING AS REQUIRED. COORDINATE WITH GENERAL CONTRACTOR.
- E. COORDINATE ALL DUCTWORK THAT MUST BE RUN IN BULKHEADS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
- F. INSTALL ALL EQUIPMENT AND MATERIAL BASED ON VANDAL PROOF REQUIREMENTS.
- G. RE-BALANCE ALL TERMINAL AIR OUTLETS TO THE INDICATED FLOW RATES.
- H. 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.
- I. EXACT AS-BUILT LOCATIONS TO BE VERIFIED BY CONTRACTOR ON SITE.

MECHANICAL LEGEND:

- 3000 ——— EXISTING MECHANICAL TO REMAIN
- 2000 ——— NEW MECHANICAL LAYOUT

KEY NOTES:

- ① NEW CONDENSATE LINE C/W HEAT TRACE, PIPE SIZE TO MATCH EXISTING SIZE.
- ② PROVIDE NEW FIRE EXTINGUISHER AS INDICATED.
- ③ PROVIDE NEW DUCT BRANCH TO FEED NEW DIFFUSERS. BALANCE AIR AS INDICATED.
- ④ CONNECT NEW CONDENSATE PIPE TO EXISTING CONDENSATE LINE.
- ⑤ PROVIDE NEW DIFFUSER/GRILLES AND MODIFY ASSOCIATED DUCTOWK AS INDICATED.
- ⑥ 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.
- ⑦ RANGE HOOD TO BE EXTENDED AS INDICATED. RANGE HOOD FAN TO REMAIN THE SAME.
- ⑧ SPRINKLER HEADS TO BE RELOCATED AS INDICATED.
- ⑨ RE-BALANCING AIR FLOW AS INDICATED.
- ⑩ RELOCATED DRY SPRINKLER HEADS INSIDE COOLER AND FREEZER AS INDICATED. CONNECT TO EXISTING SPRINKLER LINE.
- ⑪ 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.



Revision/Revisión	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**

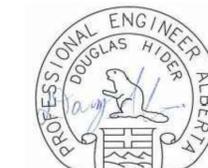
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JAMES PATTISON
PWSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSCG
Client/Client
CORRECTIONAL SERVICES CANADA
Drawing title/Titre du dessin
MECHANICAL NEW PLAN

Project No./No. du projet R.077204.001	Sheet/Feuille M04 OF M04	Revision no./ La Révision no. 5
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LEGEND OF SYMBOLS

OCT 2014

PRELIMINARY
NOT FOR CONSTRUCTION



PP-11944
2019-06-07

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

Client/client

CORRECTIONAL SERVICES CANADA

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

Approved by/Approve par
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Designed by/Concept par
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Drawn by/Dessine par
RA
PWSC Project Manager/Administrateur de Projets TPSGC
JAMES PATTISON
PWSC Architectural and Engineering Resources Manager/
Ressources Architecturales et de Directeur d'Ingénierie, TPSGC

Client/client
CORRECTIONAL SERVICES CANADA

Drawing title/Titre du dessin
**ELECTRICAL
COVER SHEET**

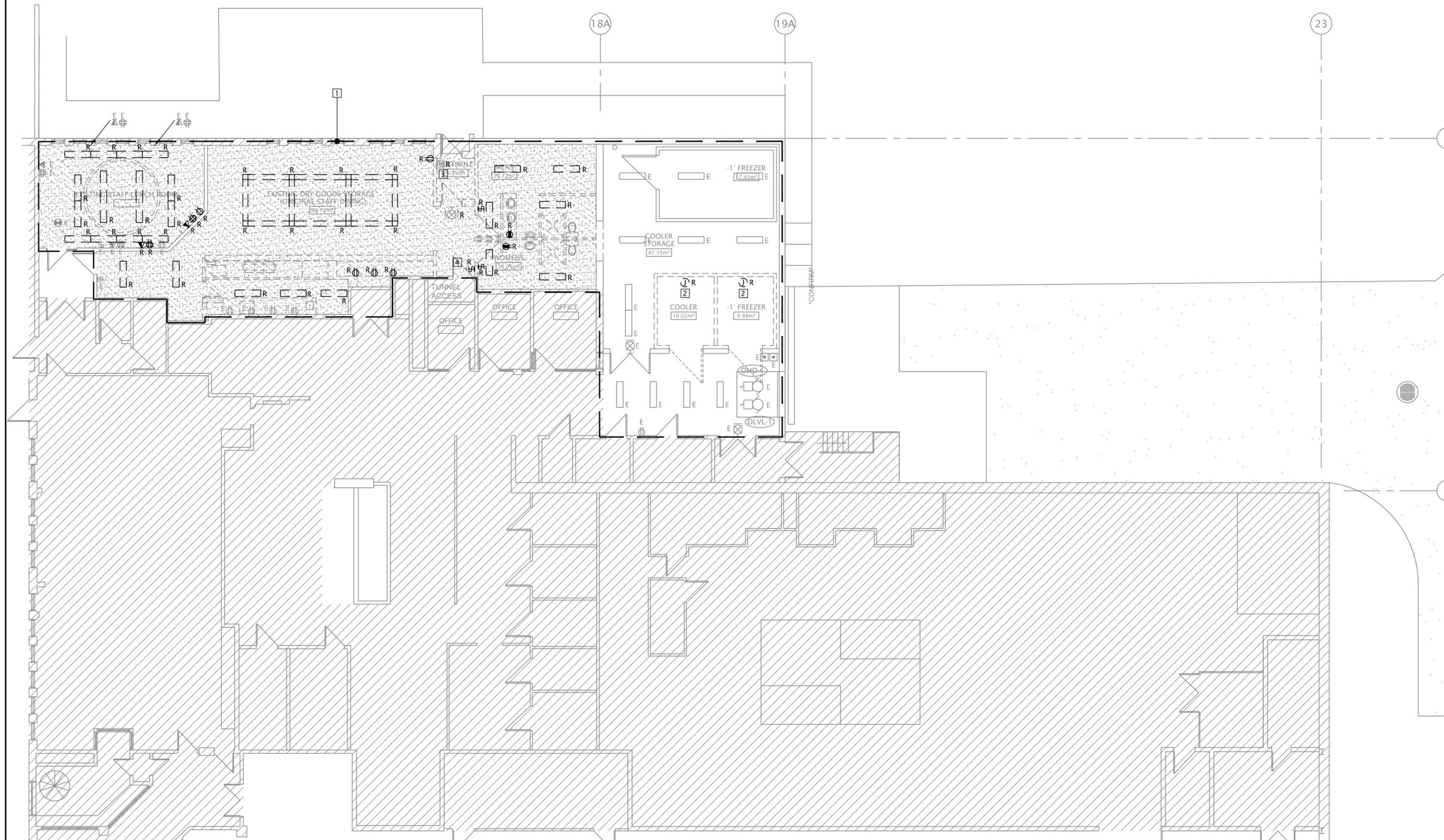
Project No./No. du projet
R.077204.001
Sheet/Feuille
E1
OF E7
Revision no./
no. de Révision
1

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 ON EMERGENCY POWER				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 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		WP DENOTES WEATHERPROOF DEVICE
							NL DENOTES UNSWITCHED LUMINAIRE (NIGHT LIGHT)
							R DENOTES DEVICE TO REMOVE OR RELOCATE
							RL DENOTES RELOCATED DEVICE
							• DENOTES FURNITURE MOUNTED DEVICE
							E 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



PRELIMINARY NOT FOR CONSTRUCTION



2019-06-07

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

Client/Client
CORRECTIONAL SERVICES CANADA

Project 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 TPSSC
JAMES PATTISON
PWGSC Architectural and Engineering Resources Manager/Ressources Architecturales et de Génie TPSSC

Client/Client
CORRECTIONAL SERVICES CANADA
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./No. Révision 1
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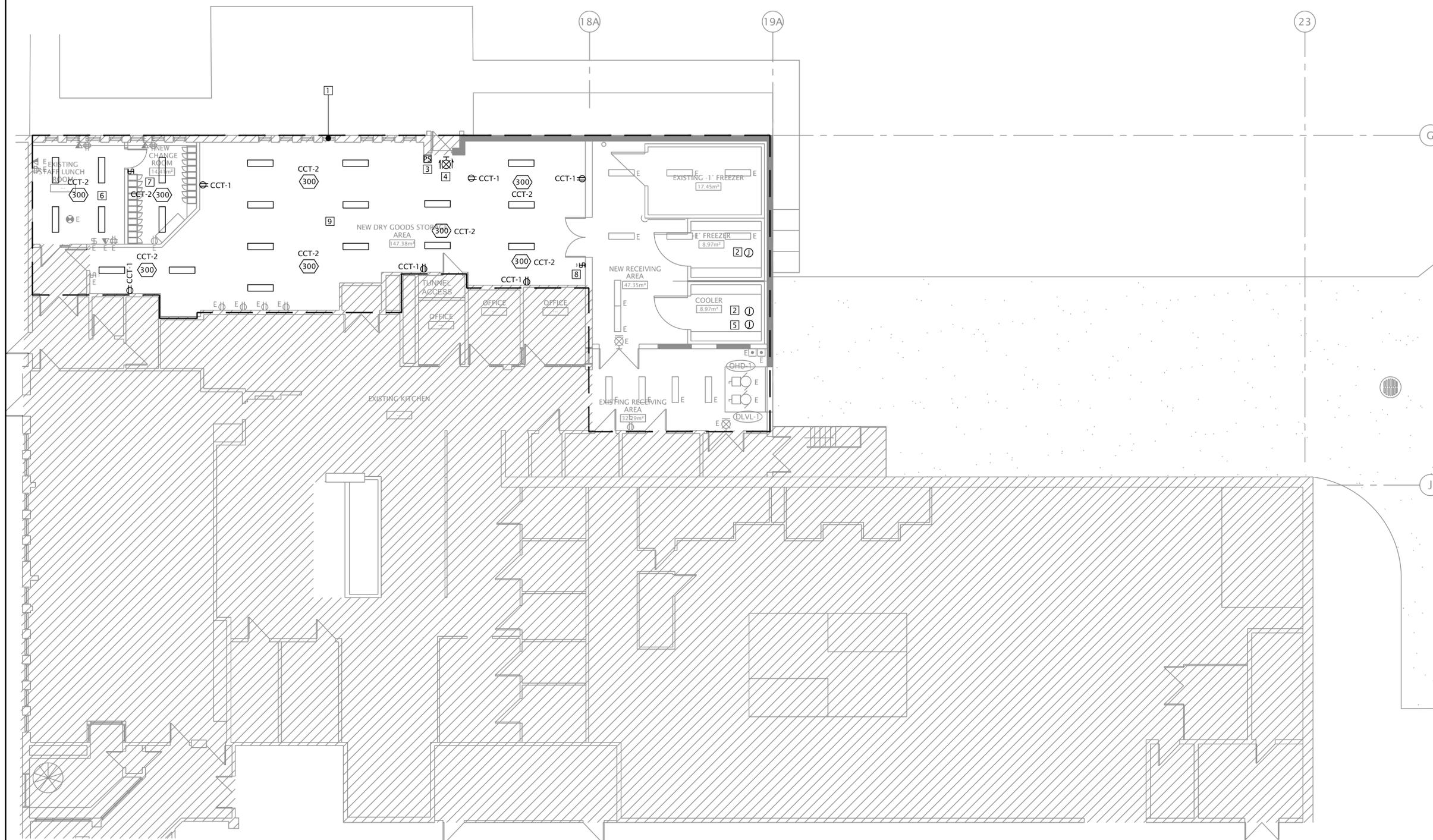
- GENERAL NOTES:**
- REMOVE EXISTING ELECTRICAL DEVICES WHERE INDICATED. REMOVE WIRING BACK TO SOURCE OR TO NEAREST ZONE BOX TO BE REUSED FOR NEW DEVICES AS REQUIRED.
 - FOR ABANDONED OUTLETS OR JUNCTION BOXES RECESSED IN WALL. REMOVE ALL WIRING AND PROVIDE COVER PLATE.
 - EXISTING LAYOUT AS PER AS BUILT 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.

- REFERRAL 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



**PRELIMINARY
NOT FOR CONSTRUCTION**



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JAMES PATTISON
PWGSC Architectural and Engineering Resources Manager/
Ressources Architecturales et de Directeur d'Ingénierie, TPSSC

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CORRECTIONAL SERVICES CANADA
Drawing Title/Titre du dessin
**ELECTRICAL
POWER AND LIGHTING PLAN**

Project No./No. du projet R.077204.001	Sheet/Feuille E3 OF E7	Revision no./ No Révision 1
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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



**PRELIMINARY
NOT FOR CONSTRUCTION**



PP-11944
2019-06-07

Cct No. *	Load Description	Volt-Amperes			Breaker Pole	Wire Size	Breaker Pole	Volt-Amperes			Load Description	Cct No. *
		A	B	C				A	B	C		
1	EXISTING										2	
3	EXISTING										4	
5	EXISTING										6	
7	EXISTING										8	
9											10	
11											12	
13											14	
15											16	
17											18	
19											20	
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65											66	
67											68	
69											70	
71											72	
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: CONFIRM EXISTING PHASE AND TOTAL LOADS PRIOR TO MAKING NEW CONNECTIONS. Project Title: Project Number: Plan Drawing Number: Date: 2014-xx-xx Revision: 1
Main Circuit Breaker Rating (A):	Total Phase B Load:	0.0 kVA	
Circuit Breaker IC Rating (kA):	Total Phase C Load:	0.0 kVA	
Phase:	Total Connected Load:	0.0 kVA	
Wires:	Demand Factor:	100 %	
Line to Line Voltage (V):	Demand Load:	0.0 kVA	
Line to Neutral Voltage (V):	Future Load:	0.0 kVA	
Number of Poles:	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								
TYPE	DESCRIPTION	Lamps			VOLTS	MANUFACTURER	MOUNTING	REMARKS
		TYPE	WATTS	NO.				
300	4' STRIP LIGHTING	LED	21	1	120	EATON LIGHTING CAT# 4SL5-TP204DD-120 OR APPROVED EQUAL	RECESSED	
NOTES:								

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

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**ELECTRICAL
DETAILS AND SCHEDULES**

Project No./No. du projet R.077204.001	Sheet/Feuille E4 OF E7	Revision no./ no. de Révision 1
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