

BARRIE CITY HALL - FOURTH FLOOR RENOVATION

70 Collier Street, Barrie, ON L4M 4T5



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CLIENT:

70 Collier Street, Barrie
ON L4M 4T5

CONSULTANTS:

ARCHITECTURAL

FABRIK ARCHITECTS
58 GRAND AVE S, CAMBRIDGE
ON, N1S 0B7

ELECTRICAL

ROOT3 ENGINEERING
1920 YONGE ST, SUITE 200
TORONTO, ON, M4S 3E2

MECHANICAL

ROOT3 ENGINEERING
1920 YONGE ST, SUITE 200
TORONTO, ON, M4S 3E2

ISSUED FOR TENDER

2026.05.13

Inspired design – for everyone.



PROJECT NAME BARRIE CITY HALL - FOURTH FLOOR RENOVATION	
CLIENT 	
ARCHITECT 58 GRAND AVE S, CAMBRIDGE, ON, N1S 0B7 	
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SHEET TITLE COVER	
PROJECT No.	23013
SHEET SIZE	22"x34"
DATE ISSUED	2026.05.13
DATE DRAWN 2026-05-13 3:32:35 PM	SHEET No. A000

Ontario's Building Code Data Matrix Part 11 - Renovation of Existing Buildings						Building Code Reference
11.00	Building Code Version:	O.Reg. 332/12 Last Amendment : 563/17				
11.01	Project Type:	<div><input type="checkbox"/> Addition <input checked="" type="checkbox"/> Renovation <input type="checkbox"/> Addition and Renovation</div> <div><input type="checkbox"/> Change of Use</div> <div>Description: Interior renovation to existing office building</div>				[A]1.1.2.
11.02	Major Occupancy Classification:	Occupancy: group <u> D </u> Use <u> Office </u> <u> </u>				

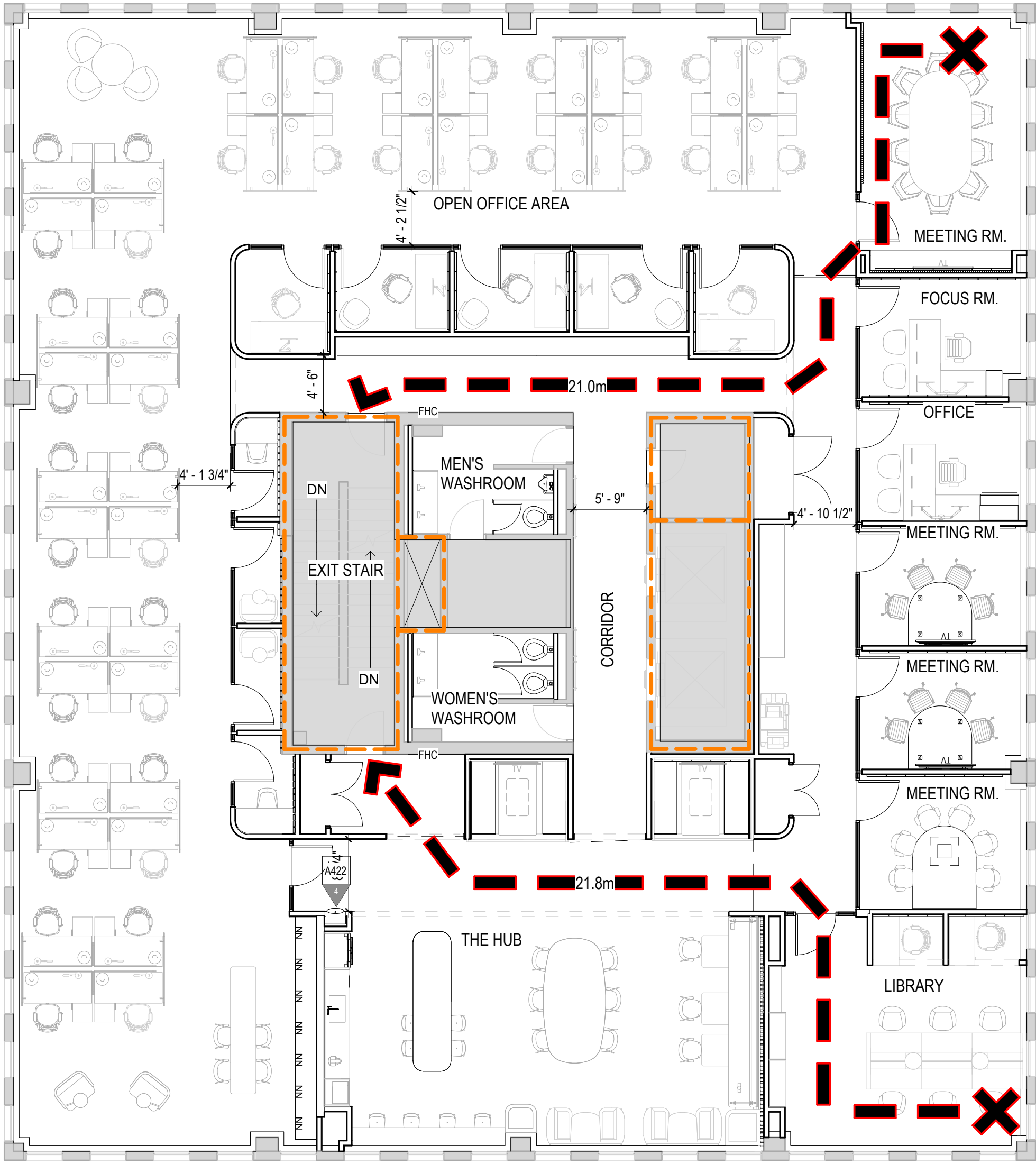
1 All references are to Division B of the OBC, unless preceded by [A] for Division A and [C] for Division C.

GENERAL PROJECT NOTES

- THE FOLLOWING GENERAL NOTES SHALL APPLY TO ALL DRAWINGS AND GOVERN UNLESS OTHERWISE NOTED OR SPECIFIED.
- ANY DISAGREEMENTS, CONFLICTS AND DISCREPANCIES BETWEEN CONSULTANT'S DOCUMENTS SHALL BE REPORTED TO FABRIK ARCHITECTS INC FOR CLARIFICATION AND INTERPRETATION PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL DIMENSIONS ON SITE AND ON DRAWINGS. REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY. FAILURE TO DO SO WILL BE AT THE CONTRACTOR'S EXPENSE.
- REQUEST ANY ADDITIONAL INFORMATION REQUIRED TO PROPERLY COMPLETE THE WORK. ALL REQUESTS FOR INFORMATION SHALL BE IN WRITING AND FORWARDED TO THE ARCHITECT.
- THE WORK DELINEATED IN THESE DRAWINGS SHALL CONFORM TO CODES, STANDARDS AND REGULATIONS THAT HAVE JURISDICTION IN THE PROVINCE OF ONTARIO AND AUTHORITY HAVING JURISDICTION (AHJ).
- THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL COMPLY WITH THE APPROPRIATE MUNICIPAL AND REGULATORY AGENCIES, SHALL BE RESPONSIBLE FOR FILING FOR AND SECURING NECESSARY PERMITS AND APPROVALS FOR ALL TRADES, AND SHALL COMPLY WITH THE INSTRUCTIONS OF THE CONSTRUCTION DOCUMENTS.
- SUBMIT ALL NECESSARY SHOP DRAWINGS PRIOR TO FABRICATION FOR APPROVAL BY ARCHITECT AND ENGINEERS. NO INFORMATION OR DETAILS ON THESE SHEETS MAY BE USED ON OTHER PROJECTS WITHOUT THE PERMISSION OF ARCHITECT.
- ALL SUBSTITUTIONS MUST BE APPROVED IN WRITING BY THE ARCHITECT PRIOR TO ORDER PLACEMENT AND MUST COMPLY WITH CITY'S REQUIREMENTS AND CONTRACT DOCUMENTS.
- IN CASE OF AMBIGUITIES, DISCREPANCIES, OR IRREGULARITIES IN THE CONSTRUCTION DOCUMENTS, MANUFACTURER'S INSTRUCTIONS, SITE CONDITIONS, OR APPLICABLE CODES AND STANDARDS, REQUEST CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING. THE COST OF WORK DONE AS A RESULT OF PROCEEDING WITHOUT OBTAINING CLARIFICATION WILL BE BORNE SOLELY BY THE CONTRACTOR.
- DO NOT SCALE OFF OF DRAWINGS. CONTACT ARCHITECT FOR ADDITIONAL INFORMATION IF REQUIRED.
- THE CONTRACTOR SHALL SUPPLY AND MAINTAIN A COPY OF THE LATEST SET OF CONSTRUCTION DRAWINGS AT THE JOB SITE AT ALL TIMES.
- UNLESS OTHERWISE SHOWN OR NOTED, TYPICAL DETAILS SHALL BE USED WHERE APPLICABLE.
- SAFETY MEASURES: THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF THE PERSONS AND PROPERTY AND FOR INDEPENDENT ENGINEERING REVIEWS OF THESE CONDITIONS. THE ARCHITECT'S OR ENGINEER'S SITE REVIEW IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.
- ALL WORK IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.
- THE TERM "CONTRACTOR" AND "G.C." REFER TO THE OWNER'S GENERAL CONTRACTOR. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO DETERMINE DIVISION OF WORK AMONG SUB-CONTRACTORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISTRIBUTION OF DRAWINGS, ADDENDUMS, RFI RESPONSES, CHANGE ORDER REQUESTS, ETC. TO ALL TRADES UNDER THEIR JURISDICTION.
- THE OWNER RESERVES THE RIGHT TO MAKE CHANGES IN THE DRAWINGS AND SPECIFICATIONS AS THE WORK PROGRESSES. CHANGE ORDERS, DRAWINGS, SPECIFICATIONS, OR INSTRUCTIONS COVERING SUCH CHANGES WILL BE ISSUED TO THE CONTRACTOR WHOSE RESPONSIBILITY WILL BE TO DISTRIBUTE TO TRADES FOR PRICING. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL TRADES WITH WORK RELATED TO A CHANGE PROVIDE PRICING PRIOR TO SENDING TOTAL COST TO OWNER AND ARCHITECT FOR REVIEW AND APPROVAL.
- ALL CONSTRUCTION LABORERS PERFORMING UNDER THIS WORK SHALL BE SKILLED WORKERS WITHIN THEIR RESPECTIVE TRADES.
- REGARDING CONTRACTOR'S USE OF PREMISES, TIME RESTRICTIONS FOR PERFORMING WORK ARE TO BE VERIFIED WITH THE OWNER AND ALL UTILITY OUTAGES AND SHUTDOWNS SHALL BE COORDINATED WITH THE OWNER.
- COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF THE EXISTING CONDITIONS AND NO EXTRA CLAIMS BASED ON THESE CONDITIONS WILL BE PERMITTED.
- THE CONTRACTOR IS RESPONSIBLE TO CLEAN UP AND REMOVE FROM THE PREMISES ALL WASTE MATERIALS, RUBBISH, WRAPPINGS, AND SALVAGES AS GENERATED BY THE CONSTRUCTION, DEMOLITION AND/OR DELIVERY AND INSTALLATION OF ANY PRODUCTS, MATERIALS, OR EQUIPMENT WHICH IS PART OF THEIR CONTRACT ON A REGULAR BASIS THROUGHOUT THE COURSE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING PROFESSIONAL CLEANERS TO CLEAN THE SPACE PRIOR TO SUBSTANTIAL COMPLETION REVIEW UNLESS OTHERWISE NOTED.
- ALL MATERIALS AND EQUIPMENT SPECIFIED SHALL BE SUPPLIED, INSTALLED, CONNECTED, REECTED, CLEANED, AND CONDITIONED AS DIRECTED BY THE SUPPLIER / MANUFACTURER, IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARD PRACTICE AND IN COMPLIANCE WITH PRODUCT WARRANTY.
- CONTRACTOR SHALL REVIEW DSS REPORT SUPPLIED BY OWNER AND PROVIDE ABATEMENT SERVICES AS INDICATED IN DRAWINGS AND SPECIFICATIONS AS REQUIRED AND IN CONFORMANCE WITH ALL APPLICABLE CODES AND STANDARDS.

SITE EXAMINATION NOTES

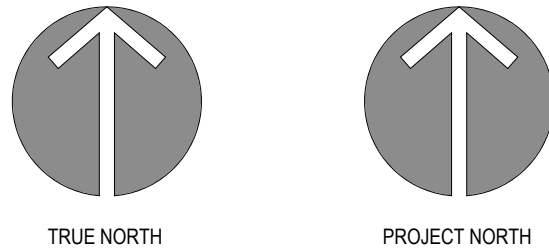
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE SITE SURFACES, STRUCTURES AND WORK UNDERLYING OR ADJACENT TO THE WORK TO BE PERFORMED. REPORT ANY FORESEEABLE INTERFERENCE AND/OR DIFFICULTIES TO PERFORM THE WORK TO ARCHITECT.
- CONTRACTOR SHALL TAKE FIELD MEASUREMENTS RELATIVE TO WORK AS REQUIRED. FABRICATE AND ERECT WORK TO SUIT FIELD DIMENSIONS AND FIELD CONDITIONS. REPORT ANY DISCREPANCIES TO ARCHITECT AT ONCE.
- COMMENCEMENT OF WORK IMPLIES ACCEPTANCE OF THE EXISTING CONDITIONS AND NO EXTRA CLAIMS BASED ON THESE CONDITIONS WILL BE PERMITTED.



1 A001 CODE PLAN
SCALE: 1/8" = 1'-0"

DRAWING LEGEND

- TRAVEL DISTANCE
- 45 MIN. FIRE SEPERATION
- FE FIRE EXTINGUISHER
T/O EXTINGUISHER MOUNTED 4'-0" AF
- FHC FIRE HOUSE CABINET (EXISTING TO REMAIN)



KEY PLAN

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5	TENDER
4	CLIENT REVIEW SET 4
3	CLIENT REVIEW SET 3
2	CLIENT REVIEW SET 2
1	CLIENT REVIEW SET
DATE	ISSUED

PROJECT NAME

**BARRIE CITY HALL - FOURTH
FLOOR RENOVATION**

CLIENT



ARCHITECT

58 GRAND AVE S, CAMBRIDGE, ON, N1S 0B7


fabrik
ARCHITECTS

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SHEET TITLE

OBC MATRIX

PROJECT No.	23013	SCALE	As indicated
	DRAWN By:	K.C.	
	CHECKED By:	L.K.	
	SHEET No.	A001	
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BARRIER FREE NOTES

1. ALL BARRIER-FREE DOORS TO BE LOCATED 1'-0" (305mm) ON THE PUSH SIDE AND 2'-0" (610mm) ON THE LATCH SIDE FROM AN ADJACENT WALL.

FIRE STOPPING NOTES

1. ALL SUPPORTING WALLS, COLUMNS WILL BE FIRE RATED TO MATCH FIRE RESISTANT RATING OF SUPPORTED FLOORS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING CONTINUITY OF FIRE SEPARATION OF ALL WALLS AND FLOOR AND CEILING ASSEMBLY ABOVE AND BELOW. ALL SERVICE PENETRATIONS THROUGH FIRE-RATED WALLS, CEILING AND FLOORS SHALL BE PROPERLY FIRE STOPPED WITH ULC-APPROVED SYSTEMS APPROPRIATE FOR EACH ASSEMBLY BEING PENETRATED. PROVIDE COMPLETE SUBMITTAL PACKAGE FOR ALL FIRE STOP CONDITIONS FOR APPROVAL PRIOR TO INSTALLATION. PHOTO DOCUMENT ALL FIRESTOPPING FOR RECORD PURPOSES. CONTACT INSPECTOR AND ARCHITECTS FOR REVIEWS PRIOR TO ENCLOSING AND/OR FINISHING.
3. MECHANICAL DUCTS PENETRATING FIRE SEPARATIONS WILL BE ENCLOSED IN FIRE RATED BULKHEADS WITH A RATING EQUAL TO THAT OF SEPARATION PENETRATED OR EQUIPPED WITH FIRE DAMPERS.
4. ANY SERVICES THAT RUN THRU EXITS MUST BE PROTECTED WITH SHAFT WALL CONSTRUCTION WITH THE EXCEPTION OF SPRINKLER PIPING AND ANY ELECTRICAL THAT SERVE THE EXIT.
5. WHERE INTERIOR NON-RATED PARTITIONS MEET THE FIRE RATED PARTITIONS THE RATED GYPSUM IS TO BE CONTINUOUS.
6. REFER TO MANUFACTURER'S SPECIFIC SYSTEMS AND DOCUMENTATION FOR FIRE STOPPING APPLICATIONS. THE INSTRUCTIONS BELOW ARE GIVEN AS GUIDELINES ONLY. THE CONTRACTOR MUST FAMILIARIZE THEMSELVES WITH THE FIRE-STOPPING SYSTEMS REQUIRED FOR VARIOUS APPLICATIONS.
7. SUBMIT DOCUMENTATION FOR REVIEW FOR ALL FIRE-STOPPING SYSTEMS PROPOSED

GENERAL DEMOUNTABLE WALL COORDINATION NOTES

1. FLOORING FINISH SHALL BE CONTINUOUS UNDER DEMOUNTABLE WALL LOCATIONS UNLESS SPECIFICALLY NOTED OTHERWISE. COORDINATE EXACT LOCATION UNDER WALLS WHERE FLOOR TYPES CHANGE WITH DEMOUNTABLE WALL VENDOR AND ARCHITECT IN THE FIELD.
2. ALL DEMOUNTABLE WALLS THAT ARE GLASS REQUIRE GLAZING DECAL OUTLINED IN DOOR FRAME INFORMATION. GENERAL CONTRACTOR REQUIRED TO INSTALL.
3. ALL DEMOUNTABLE WALL FINISHES TO BE PRE-FINISHED METAL OR GLASS MEETING FLAME SPREAD RATINGS OF 150 OR LESS.
4. ALL DOORS PART OF THE DEMOUNTABLE WALL SYSTEM TO ALLOW FOR 860MM CLEAR OPENING WHEN DOOR IS IN 90 DEGREE OR FULLY OPEN SLIDING POSITION.
5. ALL ELECTRICAL AND DATA REQUIRED WITHIN DEMOUNTABLE WALLS IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. WORK TO BE COORDINATED WITH AWARDED DEMOUNTABLE WALL VENDOR.
6. ALL DEMOUNTABLE WALL SYSTEMS SHALL COME COMPLETE WITH DOOR FRAMES, DOORS AND ALL ASSOCIATED DOOR HARDWARE.
7. ALL GLASS WITHIN DEMOUNTABLE WALL PARTITIONS TO BE TEMPERED OR LAMINATED SAFETY GLASS.

PROVISIONAL PRICE B & ALTERNATIVE G

DOOR LEGEND

MATERIAL

WD - Wood
AL - Aluminum
HM - Hollow Metal
GL - Glass
MDF - MDF
FG - Fiber Glass
FP - Fiber Plastic

CORE

SC - Solid Core
HC - Honeycomb Core
PSC - Polystyrene Core
PUC - Polyurethane Core
SSC - Steel Stiffened Core
MC - Mineral Core
PSC - Particleboard Core
SLWC - Structural Laminated Wood Core

FINISH

PNT - Painted
ST - Stained
FF - Factory Finished
GV - Galvanized

GLASS

TSG - Tempered Safety Glass
TG - Tempered Glass
FRG - Fire Rated Glass
PHG - Pin Hole Glass
CG - Clear Glass
IG - Insulated Glass

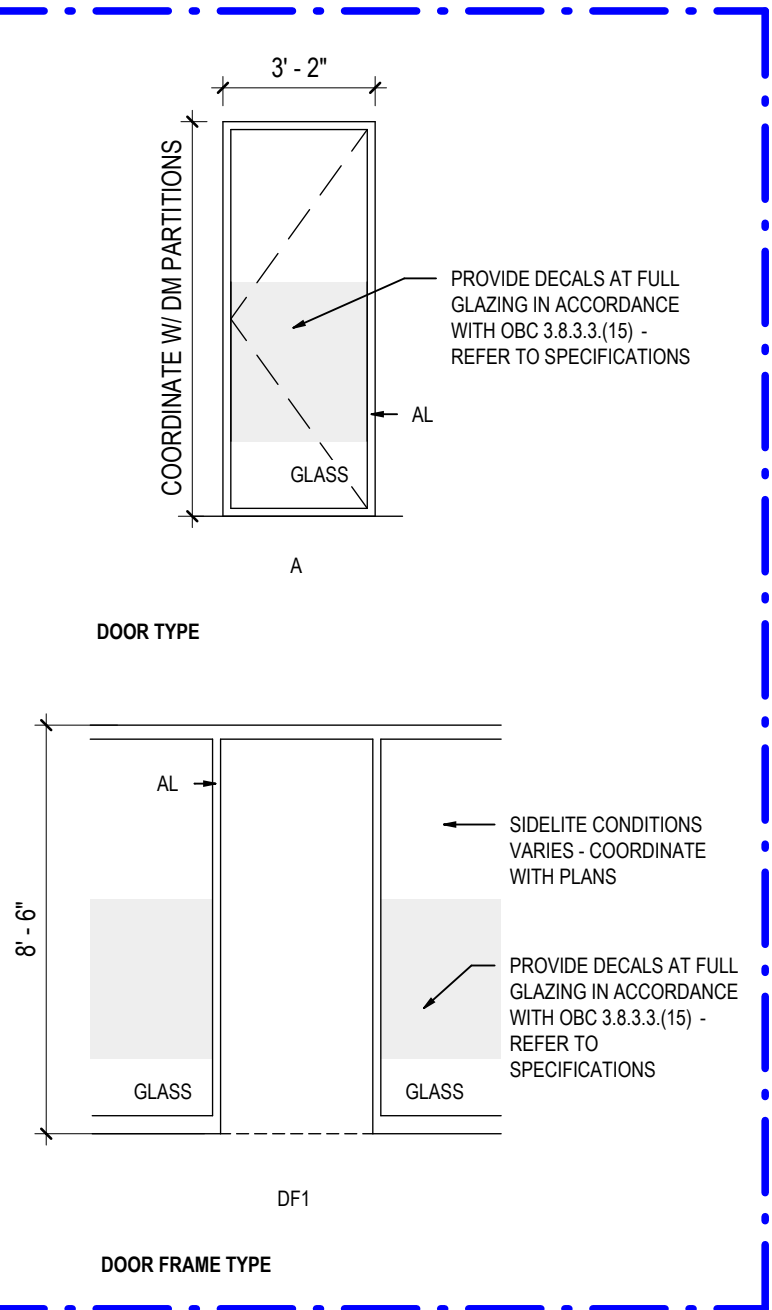
HANDLE TYPE

LH - Lever
LHL - Lever lock
KH - Knob
KHL - Knob Lock
SPH - Short Pull
SPHL - Short Pull Lock
LPH - Long Pull
LPHL - Long Pull Lock
APH - Architectural Pull
APHL - Architectural Pull Lock
PDH - Pocket Door Hardware
PDHL - Pocket Door Lock
GDH - Glass Door Hardware
GDHL - Glass Door Lock

DOOR STOP

N/A - None
COS - Concealed Overhead Stop
WS - Wall Stop
FS - Floor Stop

DOOR PANEL & FRAME TYPE



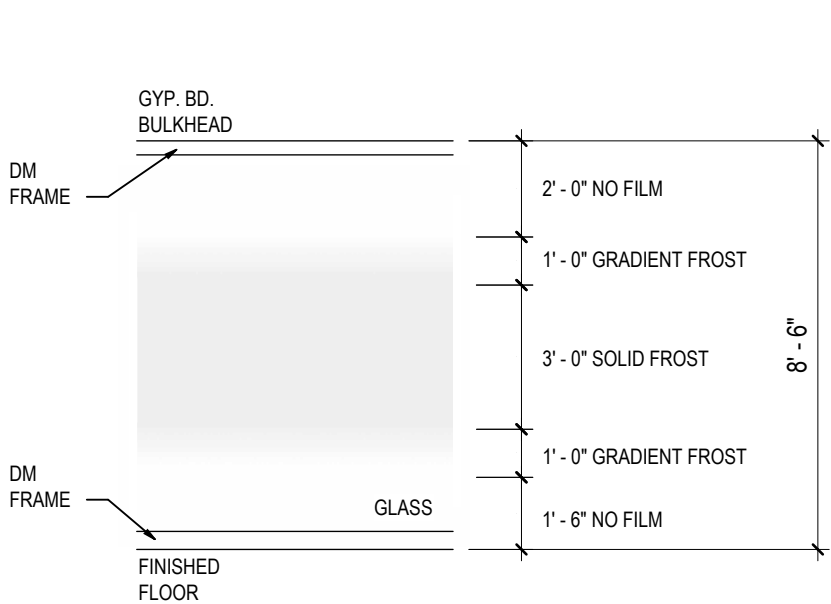
PROVISIONAL PRICE B & ALTERNATIVE G

DOOR SCHEDULE

Door Number	CONDITION	Width	Height	Thickness	Type	Material	Finish	Glass	Frame Type	Material	Finish	Hardware Type	Stop	Comments
D001	EXISTING	2' - 10 1/2"	6' - 8"	0' - 1 3/4"	EX	HM	PNT	(none)	EX	HM	PNT	EX	(none)	EX. DOORS, FRAMES AND HARDWARE TO REMAIN - PAINT DOOR AND FRAME ONLY
D002	(none)	2' - 10 1/2"	6' - 8"	0' - 1 3/4"	EX	HM	PNT	(none)	EX	HM	PNT	EX	(none)	EX. DOORS, FRAMES AND HARDWARE TO REMAIN - PAINT DOOR AND FRAME ONLY
D003	EXISTING	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D004	(none)	3'-1 7/8"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D005	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D006	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D007	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D008	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D009	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D010	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D011	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D012	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D013	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D014	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D015	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D017	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D018	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D019	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	
D020	(none)	3'-2"	8'-2 1/2"	0'-2"	A	GL	FF	TG	DF1	AL	FF	GDH	FS	DUMMY LEVERS WITH MAGNETIC DOOR CATCHES
D021	(none)	5'-0"	6'-8"	0'-1 3/4"	B	WD	PNT	(none)	DF2	HM	PNT	LH	COS	STOREROOM LEVER TYPE, ELECTRIC CARD READER, AND INACTIVE LEAF TO BE PINNED TO FLOOR AND FRAME TOP
D022	(none)	6'-0"	6'-8"	0'-1 3/4"	B	WD	PNT	(none)	DF2	HM	PNT	LHL	(none)	DUMMY LEVERS WITH MAGNETIC DOOR CATCHES
D023	(none)	4'-0"	6'-8"	0'-1 3/4"	B	WD	PNT	(none)	DF2	HM	PNT	LH	(none)	PUSH / PULL DOOR HARDWARE UNIT, KICKPLATE, AND CLOSURE COORDINATE ALL NEW HARDWARE FOR INTEGRATION INTO EXISTING FRAME AND INCLUDE FOR DOOR GRILLE
D024	(none)	2'-8"	7'-10"	0'-1 3/4"	C	WD	FF	(none)	EX	HM	(none)	SPH	WS	EX.FRAMES TO REMAIN AND BE RE-PAINTED
D025	(none)	2'-8"	7'-10"	0'-1 3/4"	C	WD	FF	(none)	EX	HM	(none)	SPH	WS	EX. DOORS, FRAMES AND HARDWARE TO REMAIN - PAINT DOOR AND FRAME ONLY
D026	(none)	2'-8"	7'-10"	0'-1 3/4"	EX	WD	PNT	(none)	EX	HM	(none)	EX	(none)	

PROVISIONAL PRICE B & ALTERNATIVE G

GLAZING DECAL TYPICAL DESIGN REQUIREMENTS



KEY PLAN

10	
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5	TENDER
4	CLIENT REVIEW SET 4
3	CLIENT REVIEW SET 3
2	CLIENT REVIEW SET 2
1	CLIENT REVIEW SET
DATE	ISSUED

PROJECT NAME
BARRIE CITY HALL - FOURTH FLOOR RENOVATION

CLIENT

Barrie

ARCHITECT

58 GRAND AVE S, CAMBRIDGE, ON, N1S 0B7

fabrik
ARCHITECTS

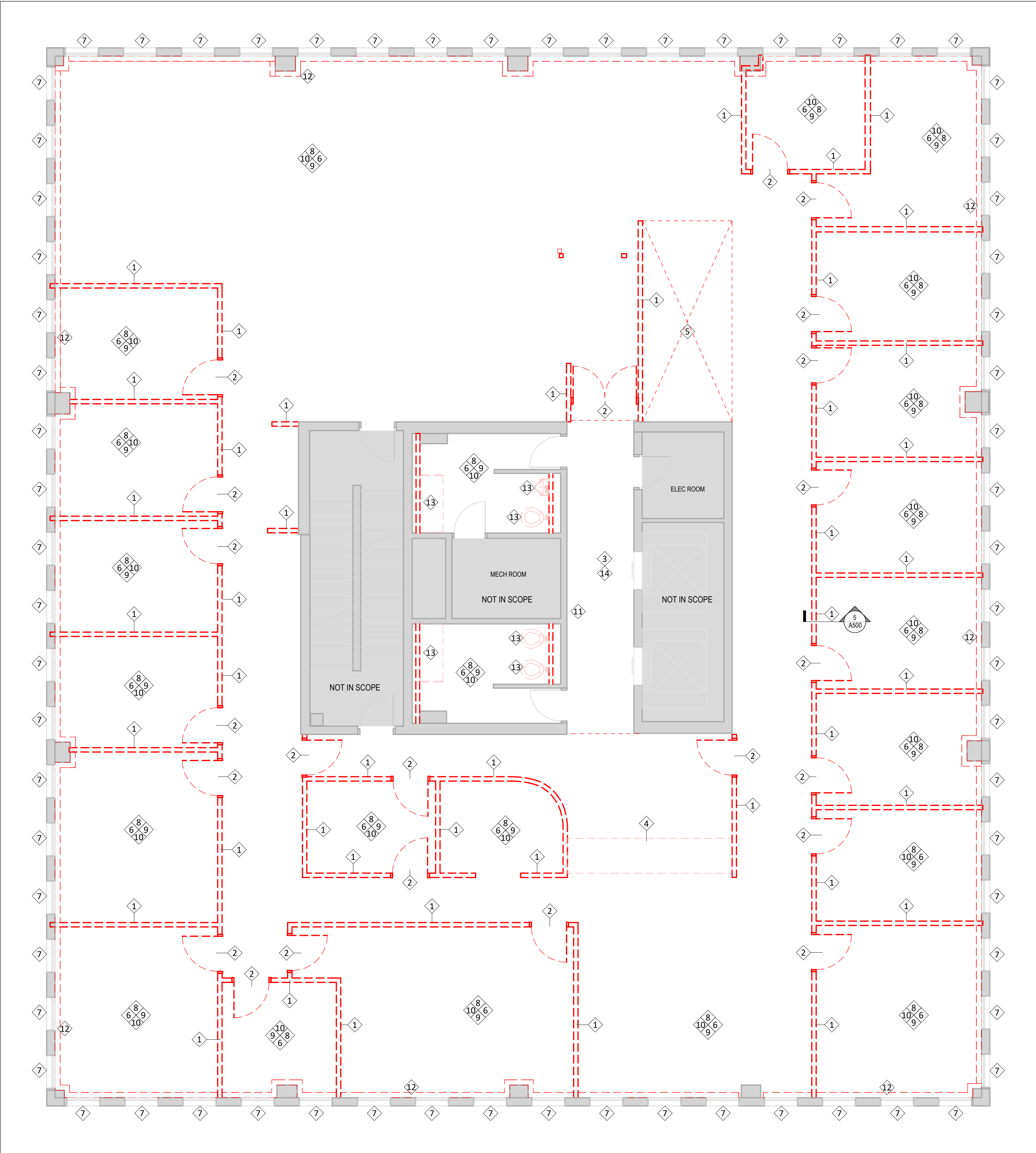
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SHEET TITLE

DOOR SCHEDULE & NOTES

PROJECT No.	23013	SCALE	As indicated
DRAWN By:	K.C.	CHECKED By:	L.K.
SHEET No.	A002		
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1 A100 DEMOLITION PLAN
SCALE: 3/16" = 1'-0"

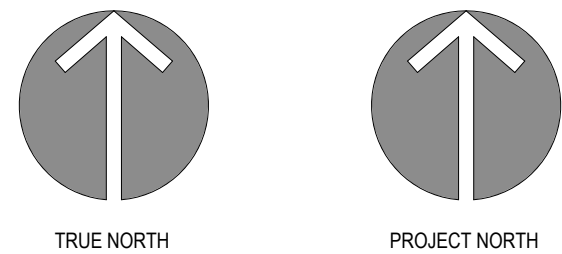
DEMOLITION NOTES

- 1 REMOVE EXISTING PARTITION WALL OR FURRING. COMPLETE AND DISPOSE.
- 2 REMOVE EXISTING DOORS, FRAMES & SIDELIGHTS. COMPLETE WITH ALL ASSOCIATED HARDWARE.
- 3 REMOVE AND SALVAGE CCTC SECURITY CAMERA AND ASSOCIATED HARDWARE AND ACCESSORIES. TURN OVER TO OWNER UNLESS OTHERWISE DECIDED BY OWNER IN WRITING PRIOR TO DEMOLITION.
- 4 REMOVE EXISTING MILLWORK AND DISPOSE.
- 5 REMOVE EXISTING HIGH DENSITY FILING SYSTEM COMPLETE. COORDINATE WITH OWNER FOR RELOCATION OR DISPOSAL AS DETERMINED BY OWNER PRIOR TO START OF DEMOLITION.
- 6 REMOVE EXISTING FLOORING AND WALL BASE COMPLETE.
- 7 REMOVE AND DISPOSE OF EXISTING WINDOW SHADES ALONG WITH ASSOCIATED HARDWARE TRACKS COMPLETE.
- 8 REMOVE AND DISPOSE OF EXISTING ACT CEILING SYSTEM, INCLUSIVE OF GRID AND TILES COMPLETE.
- 9 REMOVE EXISTING LIGHTS. REFER TO ELECTRICAL.
- 10 RELOCATE EXISTING SPRINKLER TO MATCH PROPOSED PLAN. REFER TO MECHANICAL.
- 11 REMOVE SIGNAGE AND/OR WALL GRAPHIC. PREP REMAINING SUBSTRATE FOR NEW PAINT FINISH.
- 12 EXISTING RADIATOR SYSTEM TO BE REMOVED COMPLETE. REFER TO MECHANICAL.
- 13 REMOVE PLUMBING FIXTURES. REFER TO MECHANICAL PLANS.
- 14 REMOVE EXISTING DRY WALL, CEILING AND ANY ASSOCIATED ACCESS PANEL(S).

NOTE: REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ELECTRICAL AND MECHANICAL DEVICE DEMOLITION RESPECTIVELY.

GENERAL DEMOLITION NOTES

1. REVIEW AND COORDINATE EXTENTS OF DEMOLITION WITH EXTENTS OF NEW WORK. CONTRACTOR TO REPORT ALL DISCREPANCIES TO CONSTRUCTION MANAGER / GENERAL CONTRACTOR FOR CONFIRMATION / CLARIFICATION PRIOR TO COMMENCEMENT OF ANY DEMOLITION SCOPE.
2. CARRY OUT ALL DEMOLITION, REMOVAL AND DISPOSAL IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND PROVINCIAL REGULATIONS.
3. EXECUTE DEMOLITION IN AN ORDERLY AND CAREFUL MANNER WITH DUE CONSIDERATION FOR ADJACENT STRUCTURES AND FINISHES TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPAIR / REPLACEMENT OF ANY DAMAGE TO ITEMS TO REMAIN AT NO COST TO THE OWNER.
4. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO GUARD AGAINST MOVEMENT OR SETTLEMENT OF REMAINING STRUCTURE, INCLUDING ALL NECESSARY BRACING OR SHORING THAT IS REQUIRED. IF ANY MOVEMENT OR SETTLING TAKES PLACE, IMMEDIATELY STOP WORK AND CONTACT ARCHITECT.
5. WHEN PERFORMING CONCRETE SLAB REMOVALS AND EXCAVATIONS FOR MECHANICAL / ELECTRICAL SERVICE CONNECTIONS, CONTRACTOR SHALL TAKE CARE NOT TO UNDERMINE EXISTING BLOCK WALLS OR CONCRETE SLABS. PROVIDE TEMPORARY SHORING OR LEAN CONCRETE FILL AS REQUIRED.
6. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS, SPECIFICATIONS, AND / OR DEMOLITION NOTES FOR DETAILS OF SCOPE RELATED TO MECHANICAL AND ELECTRICAL DEMOLITIONS.
7. LOCATE AND DISCONNECT, CAP AND PLUG ALL GAS, WATER, SEWER, HYDRO, TELEPHONE AND OTHER SERVICES AS REQUIRED. REMOVE BACK TO SOURCE ALL REDUNDANT MECHANICAL / ELECTRICAL SERVICES OR FIXTURES IF NOT BEING REUSED IN NEW WORK. COORDINATE WITH OWNER FOR SERVICES TO REMAIN LIVE DURING CONSTRUCTION. PREARRANGE WITH CONSTRUCTION MANAGER / GENERAL CONTRACTOR AND OWNER PRIOR TO ANY SERVICE SHUTDOWNS.
8. ALL ITEMS NOT IDENTIFIED IN DRAWINGS, SPECIFICATIONS OR TAGGED BY OWNER TO REMAIN ARE TO BE REMOVED AND DISPOSED OF.
9. ALL WHITE BOARDS, TACK BOARDS, SHELVES, HANGERS, HOOKS, BLINDS AND OTHER SIMILAR (FITMENTS) IN EXTENTS OF DEMOLITION SCOPE TO BE REMOVED UNLESS NOTED OTHERWISE. COORDINATE WITH OWNER PRIOR TO DISPOSAL OF THESE ITEMS.



KEY PLAN

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2026.05.13	5	TENDER
2026.05.12	4	CLIENT REVIEW SET 4
2026.05.05	3	CLIENT REVIEW SET 3
2026.04.29	2	CLIENT REVIEW SET 2
2026.04.09	1	CLIENT REVIEW SET
DATE		ISSUED

PROJECT NAME

BARRIE CITY HALL - FOURTH FLOOR RENOVATION

CLIENT



ARCHITECT

58 GRAND AVE S, CAMBRIDGE, ON, N1S 0B7



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SHEET TITLE

DEMOLITION PLAN

PROJECT No. **23013** SCALE **As indicated**

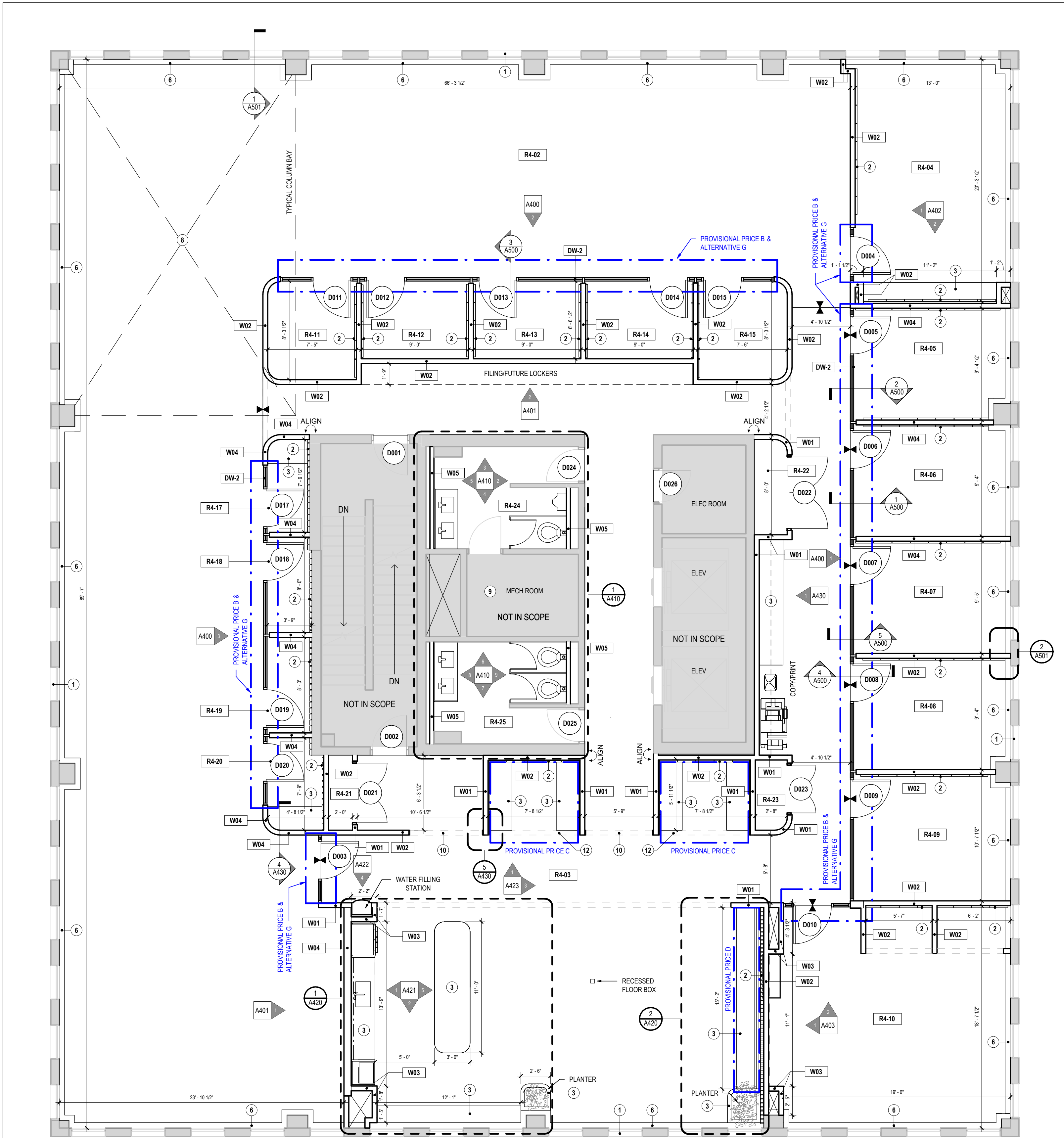
DRAWN By: **K.C.**

CHECKED By: **L.K.**

SHEET No.

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1 A110 PROPOSED FLOOR PLAN
SCALE: 3/16" = 1'-0"

GENERAL CONSTRUCTION NOTES

- PERFORM ALL WORK IN ACCORDANCE WITH THE LATEST VERSION OF THE ONTARIO BUILDING CODE. HEREIN REFERRED TO AS O.B.C. AS WELL AS LOCAL BY-LAWS AND HEALTH & SAFETY REGULATIONS.
- DO NOT SCALE DRAWINGS. SITE VERIFY ALL DIMENSIONS, ANY DISCREPANCIES TO BE CLARIFIED WITH THE ARCHITECT.
- ALL INTERIOR DIMENSIONS ARE TO FINISHED SURFACES, UNLESS OTHERWISE NOTED.
- LAYOUT ALL PARTITIONS AND DOORS (CHALK LINE) PRIOR TO INSTALL. NOTIFY ARCHITECT AT ONCE SHOULD ANY PROBLEMS ARISE FROM THE SITE CONDITIONS OR OTHER CAUSES. OBTAIN ARCHITECT'S APPROVAL FOR ANY DEVIATIONS PRIOR TO CONTINUING WORK.
- REFER TO SCHEDULES FOR DOOR SIZES. PROVIDE MINIMUM CLEARANCES AT WALL CORNERS TO ALLOW FOR TRIM TO BE INSTALLED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING CONTINUITY OF FIRE SEPARATION OF ALL WALLS AND FLOOR AND CEILING ASSEMBLY ABOVE AND BELOW. ALL SERVICE PENETRATIONS THROUGH FIRE-RATED WALLS SHALL BE PROPERLY FIRE STOPPED WITH ULC-APPROVED SYSTEMS APPROPRIATE FOR EACH ASSEMBLY BEING PENETRATED. PROVIDE A COMPLETE SUBMITTAL PACKAGE FOR ALL FIRE STOP CONDITIONS FOR APPROVAL PRIOR TO INSTALLATION. PHOTO DOCUMENT ALL FIRESTOPPING FOR RECORD PURPOSES. CONTACT INSPECTOR AND ARCHITECT FOR REVIEWS PRIOR TO ENCLOSING AND/OR FINISHING.
- ALL WOOD BLOCKING WITHIN EXTERIOR WALLS TO BE PRESSURE TREATED UNLESS OTHERWISE REVIEWED AND APPROVED BY ARCHITECT.
- PROVIDE SILL GASKETS BETWEEN ALL CONCRETE / WOOD LOCATIONS.
- REFER TO FINISHES PLAN AND IDENTIFY ALL PREPARATION WORK REQUIRED. PATCH ANY HOLES, FILL CRACKS, REMOVE ANY BUMPS OR PROTRUSIONS AND SAND SMOOTH. SKIM COAT AS REQUIRED. PATCH AND MAKE GOOD ALL EXISTING WALLS / FLOORS / CEILINGS PRIOR TO APPLYING FINISH.
- GENERAL CONTRACTOR TO PROVIDE HVAC AND ELECTRICAL SUB-TRADES, AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO SUPPLY AND INSTALL ACCESS DOORS / PANELS FOR PLUMBING, ELECTRICAL, HVAC, ETC. AS REQUIRED TO ACCESS EQUIPMENT OR CONTROLS. ACCESS DOORS / PANELS TYPE AND FINISH TO BE SUBMITTED TO ARCHITECT FOR REVIEW PRIOR TO ORDER AND INSTALL. LOCATION(S) TO BE APPROVED BY ARCHITECT.
- ALL ELECTRICAL MECHANICAL & EMERGENCY FIXTURE WORK TO BE IN ACCORDANCE WITH ALL APPLICABLE CODES & REGULATIONS.
- WHERE POWER AND COMMUNICATIONS OUTLETS HAVE BEEN REMOVED PATCH AND REPAIR WALL TO MATCH EXISTING. BLANK COVER PLATES WILL NOT BE ACCEPTED.
- CONTRACTOR TO BE RESPONSIBLE FOR ALL CHASES AND OPENINGS AS MAY BE REQUIRED BY MECHANICAL, PLUMBING, ELECTRICAL OR CABLING TRADES. REFER TO DRAWINGS AND REVIEW THE REQUIREMENTS WITH THESE TRADES. MAKE GOOD ALL DAMAGED SURFACES RESULTING FROM WORK AND MAKE GOOD SUCH DAMAGES IN PROJECT SPACE WHERE MECHANICAL, PLUMBING, POWER, AND DATA PASS THROUGH.

SPECIFIC CONSTRUCTION NOTES

- NEW WINDOW ROLLER BLIND (TYP. FOR ALL EXTERIOR WINDOWS)
- WALL-MOUNTED ACOUSTIC PANELS. REFER TO FINISHES PLAN AND INTERIOR ELEVATIONS.
- CUSTOM MILLWORK. REFER TO ENLARGED PLANS, ELEVATIONS AND SECTIONS.
- SUSPENDED ACOUSTIC BAFFLE - REFER TO SPECIFICATIONS.
- ACOUSTIC CEILING PANEL - REFER TO SPECIFICATIONS.
- PERIMETER WALL HEATER
- PROVISIONAL PRICE ITEM - 5/8" DRYWALL WITH REVEAL TRIM CONNECTION TO ACT CEILING IN LIEU OF ACT CEILING THIS AREA
- PROVIDE AND INSTALL FLOOR LEVELER. SLOPE WITHIN EACH EXISTING COLUMN BAY TO BE ASSUMED TO BE OUT OF LEVEL BY UP TO 1/32" AT CENTER OF COLUMN BAY UP TO REGULAR LEVEL AT PERIMETER OF COLUMN BAY. TYPICAL FOR ALL COLUMN BAYS (10 TOTAL BAYS, CORE EXCLUDED)
- REPAIR ALL EXISTING PENETRATIONS INTO MECHANICAL SPACE WITH NEW FIRE STOPPING AS MAY BE REQUIRED. REPAIRS TO EXISTING CONDITIONS TO BE COMPLETED UNDER CASH ALLOWANCE. PROVIDE FIRE STOPPING AT ALL NEW PENETRATIONS AS PART OF BASE BID WORKS.
- CUSTOM MILLWORK FRAME AROUND OPENING. REFER TO ELEVATIONS AND SPECIFICATIONS
- CUSTOM METAL FABRICATION ABOVE CEILING GRID TO SUPPORT TOILET PARTITIONS. REFER TO SPECIFICATIONS SECTION 05 55 00 METAL FABRICATIONS.
- CUSTOM MILLWORK ALCOVES FOR WALLS AND CEILING. BACK WALL TO REMAIN PLAIN. REFER TO ELEVATIONS AND SPECIFICATIONS

NOTE: THE SPECIFIC CONSTRUCTION NOTES PROVIDED HERE APPLY TO ALL DRAWINGS. EACH NUMBER MAY NOT SHOW UP ON EVERY DRAWING.

WALL TYPE LEGEND

- | | |
|-----|--|
| W01 | 5/8" GYPSUM WALL BOARD
3/58" METAL STUDS 16"o.c
5/8" GYPSUM WALL BOARD |
| W02 | 5/8" GYPSUM WALL BOARD
3/58" METAL STUDS 16"o.c
3 1/2" ACOUSTIC BATT INSULATION
5/8" GYPSUM WALL BOARD
SB-3 ASSEMBLY S4b - DESIGN TO ACHIEVE STC 45 |
| W03 | 5/8" GYPSUM WALL BOARD
3/58" METAL STUDS |
| W04 | 5/8" GYPSUM WALL BOARD
6" METAL STUDS 16"o.c
3 1/2" ACOUSTIC BATT INSULATION
5/8" GYPSUM WALL BOARD
SB-3 ASSEMBLY S7a - DESIGN TO ACHIEVE STC 50 |
| W05 | 5/8" GYPSUM WALL BOARD
3/58" METAL STUDS (ASSUME 18GA)
PROVIDE P.ENG. SHOP DRAWINGS FOR STUD WALLS TO ENSURE CAPACITY FOR SUSPENDED MILLWORK AND PLUMBING FIXTURES |

PROVISIONAL PRICE B
ALUMINUM FRAMED GLASS DEMOUNTABLE
BASE BID: OWNER SUPPLIED AND INSTALLED, CONTRACTOR COORDINATED.
REFER TO SPECIFICATION SECTION 01 11 00.

PROVISIONAL PRICE B
PROVISIONAL PRICE: CONTRACTOR SUPPLIED AND INSTALLED
DEMOUNTABLE WALL SYSTEM. REFER TO SPECIFICATION SECTION 10 22 19
AND SECTION 01 23 00.

NOTE: ALL EXISTING WALLS ARE NOT TAGGED IN THE DRAWING. REFER TO DEMO PLAN.

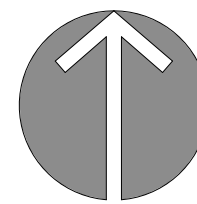
NOTE: REFER TO WALL SECTIONS AND SECTION DETAILS FOR HEIGHTS OF WALLS. ALL WALLS NOT SHOWN IN SECTION OR NOTED OTHERWISE ARE TO HAVE FINISH MATERIALS EXTENDED FULL HEIGHT TO UNDERSIDE OF FLOOR LEVEL ABOVE.

NOTE: ALL STUDS TO BE CONTINUOUS TO UNDERSIDE OF EXISTING STRUCTURE ABOVE OR BE ENGINEERED AS UNBRACED WALLS WITH STAMPED DRAWINGS BY A PROFESSIONAL ENGINEER SUBMITTED TO ARCHITECT FOR REVIEW AND APPROVAL.

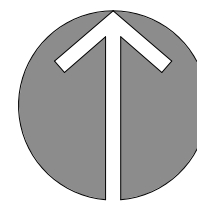
NOTE: ACOUSTIC SEALANT TO BE PROVIDED AT TOP AND BOTTOM OF ALL WALLS WITH AN STC OF 45 OR HIGHER. SEALANT TO BE PROVIDED BETWEEN STUD AND GYPSUM BOARD, BOTH SIDES OF STUD AND BOTH TOP AND BOTTOM OF WALL.

ROOM LEGEND

Name	Number
CORRIDOR	R4-01
OPEN WORK AREA	R4-02
THE HUB	R4-03
CONFERENCE ROOM	R4-04
FOCUS ROOM	R4-05
OFFICE	R4-06
MEETING ROOM	R4-07
MEETING ROOM	R4-08
MEETING ROOM	R4-09
LIBRARY	R4-10
FOCUS ROOM	R4-11
FOCUS ROOM	R4-12
FOCUS ROOM	R4-13
FOCUS ROOM	R4-14
FOCUS ROOM	R4-15
RESERVED	R4-16
PHONE ROOM	R4-17
PHONE ROOM	R4-18
PHONE ROOM	R4-19
CLOSET	R4-20
IT CLOSET	R4-21
STORAGE	R4-22
MENS WASHROOM	R4-23
WOMENS WASHROOM	R4-24



TRUE NORTH



PROJECT NORTH

KEY PLAN

10	
9	
8	
7	
6	
5	TENDER
4	CLIENT REVIEW SET 4
3	CLIENT REVIEW SET 3
2	CLIENT REVIEW SET 2
1	CLIENT REVIEW SET 1
DATE	ISSUED

PROJECT NAME
BARRIE CITY HALL - FOURTH FLOOR RENOVATION

CLIENT
Barrie

ARCHITECT

58 GRAND AVE S, CAMBRIDGE, ON N1S 0B7

fabrik
ARCHITECTS

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SHEET TITLE

PROPOSED FLOOR PLAN

PROJECT No. **23013** SCALE **As indicated**

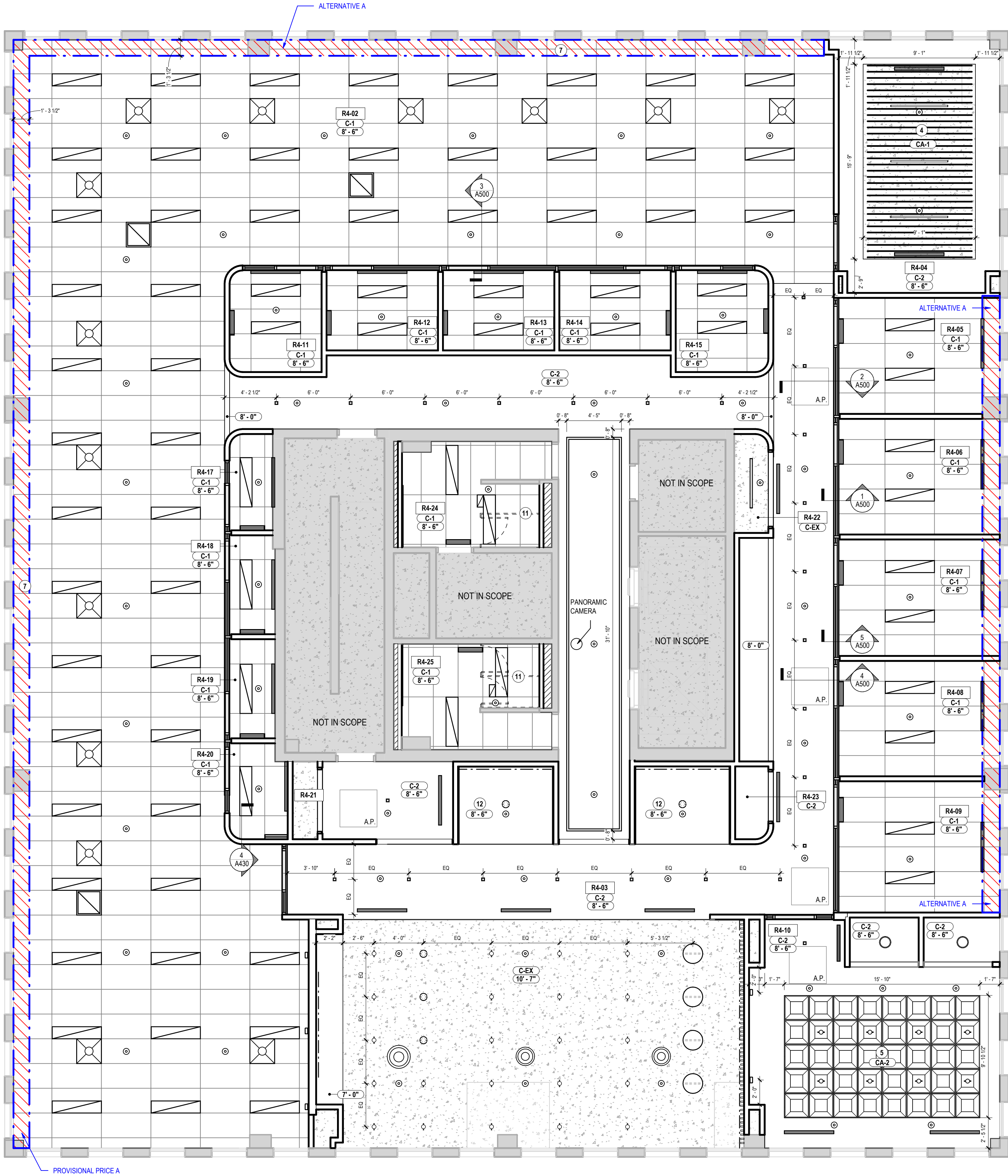
DRAWN By: **K.C.**

CHECKED By: **L.K.**

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CEILING PLAN LEGEND

- 1 X 4 LIGHT PANEL
- REFER TO ELECTRICAL DRAWING AND SPECIFICATIONS
- LINEAR PENDANT
- REFER TO ELECTRICAL DRAWING AND SPECIFICATIONS
- RECESSED LINEAR LIGHT FIXTURE
- REFER TO ELECTRICAL DRAWING AND SPECIFICATIONS
- COVE LIGHT
- REFER TO ELECTRICAL DRAWING AND SPECIFICATIONS
- DOWNLIGHT
- REFER TO ELECTRICAL DRAWING AND SPECIFICATIONS
- WALL SCONCE
- REFER TO ELECTRICAL DRAWING AND SPECIFICATIONS
- CYLINDER PENDANT
- REFER TO ELECTRICAL DRAWING AND SPECIFICATIONS
- SURFACE CEILING LIGHT (TBD.)
- REFER TO ELECTRICAL DRAWING AND SPECIFICATIONS
- PENDANT 2 (TBD.)
- REFER TO ELECTRICAL DRAWING AND SPECIFICATIONS
- PENDANT 3 (TBD.)
- REFER TO ELECTRICAL DRAWING AND SPECIFICATIONS
- ACT CEILING TILE AND GRID
- REFER TO SPECIFICATIONS
- CONCRETE OPEN CEILING
- DRYWALL CEILING
- ACOUSTIC CEILING BAFFLE (TBD.)
- REFER TO SPECIFICATIONS
- ACOUSTIC CEILING PANEL (TBD.)
- REFER TO SPECIFICATIONS
- SPRINKLER HEAD
- SLOT SUPPLY / RETURN GRILLE
- REFER TO MECHANICAL PLANS
- RETURN GRILLE
- REFER TO MECHANICAL PLANS
- SUPPLY AIR DIFFUSER
- REFER TO MECHANICAL PLANS
- RETURN GRILLE
- REFER TO MECHANICAL PLANS
- SUPPLY AIR DIFFUSER
- REFER TO MECHANICAL PLANS
- ACCESS PANEL FOR EXISTING MECHANICAL
- REFER TO MECHANICAL PLANS

CEILING TYPE LEGEND

- C-1 2X4 ACT CEILING
REFER TO SPECIFICATIONS
- C-2 DRYWALL CEILING
PAINTED FINISH - COLOR AS SELECTED BY ARCHITECT
- C-EX EXISTING CONCRETE CEILING TO REMAIN
PAINTED FINISH FOR CONCRETE AND ALL EXPOSED SERVICES -
COLOR AS SELECTED BY ARCHITECT
- CA-1 ACOUSTIC CEILING BAFFLE
- CA-2 ACOUSTIC CEILING BAFFLE PANEL

SPECIFIC CONSTRUCTION NOTES

- NEW WINDOW ROLLER BLIND (TYP. FOR ALL EXTERIOR WINDOWS)
- WALL-MOUNTED ACOUSTIC PANELS. REFER TO FINISHES PLAN AND INTERIOR ELEVATIONS.
- CUSTOM MILLWORK. REFER TO ENLARGED PLANS, ELEVATIONS AND SECTIONS.
- SUSPENDED ACOUSTIC BAFFLE - REFER TO SPECIFICATIONS.
- ACOUSTIC CEILING PANEL - REFER TO SPECIFICATIONS.
- PERIMETER WALL HEATER
- PROVISIONAL PRICE ITEM - 58\"/>
- PROVIDE AND INSTALL FLOOR LEVELER. SLOPE WITHIN EACH EXISTING COLUMN BAY TO BE ASSURED TO BE OUT OF LEVEL BY UP TO 1/32\"/>
- REPAIR ALL EXISTING PENETRATIONS INTO MECHANICAL SPACE WITH NEW FIRE STOPPING AS MAY BE REQUIRED. REPAIRS TO EXISTING CONDITIONS TO BE COMPLETED UNDER CASH ALLOWANCE. PROVIDE FIRE STOPPING AT ALL NEW PENETRATIONS AS PART OF BASE BID WORKS.
- CUSTOM MILLWORK FRAME AROUND OPENING. REFER TO ELEVATIONS AND SPECIFICATIONS
- CUSTOM METAL FABRICATION ABOVE CEILING GRID TO SUPPORT TOILET PARTITIONS. REFER TO SPECIFICATIONS SECTION 05 55 00 METAL FABRICATIONS.
- CUSTOM MILLWORK ALCOVES FOR WALLS AND CEILING. BACK WALL TO REMAIN PLAIN. REFER TO ELEVATIONS AND SPECIFICATIONS

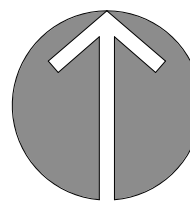
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RCP NOTES

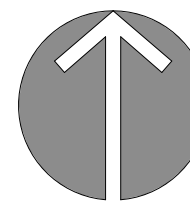
- NEW CEILINGS TO BE INSTALLED, COORDINATE WITH MECHANICAL, ELECTRICAL & INTERIOR DESIGN PLANS FOR NEW LOCATIONS OF FIXTURES.
- PROVIDE NEW FRAMING IN CEILING ABOVE TO SECURE THE TOP OF THE DEMOUNTABLE WALL.
- LOCATION AND QUANTITY OF ACCESS PANELS ARE APPROXIMATE. DETERMINE ALL LOCATIONS NEEDED IN THE FIELD FOR ALL MECHANICAL AND ELECTRICAL SYSTEMS. PROVIDE ALL ACCESS PANELS AS NEEDED AT NO ADDITIONAL COST TO THE OWNER. NOTIFY ARCHITECT SHOULD EQUAL SPACING OF LIGHTING BE AFFECTED FOR INPUT.

ROOM LEGEND

Name	Number
CORRIDOR	R4-01
OPEN WORK AREA	R4-02
THE HUB	R4-03
CONFERENCE ROOM	R4-04
FOCUS ROOM	R4-05
OFFICE	R4-06
MEETING ROOM	R4-07
MEETING ROOM	R4-08
MEETING ROOM	R4-09
LIBRARY	R4-10
FOCUS ROOM	R4-11
FOCUS ROOM	R4-12
FOCUS ROOM	R4-13
FOCUS ROOM	R4-14
FOCUS ROOM	R4-15
RESERVED	R4-16
PHONE ROOM	R4-17
PHONE ROOM	R4-18
PHONE ROOM	R4-19
PHONE ROOM	R4-20
CLOSET	R4-21
IT CLOSET	R4-22
STORAGE	R4-23
MEN'S WASHROOM	R4-24
WOMEN'S WASHROOM	R4-25



TRUE NORTH



PROJECT NORTH

KEY PLAN

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5	TENDER
4	CLIENT REVIEW SET 4
3	CLIENT REVIEW SET 3
2	CLIENT REVIEW SET 2
1	CLIENT REVIEW SET 1
DATE	ISSUED

PROJECT NAME BARRIE CITY HALL - FOURTH FLOOR RENOVATION

CLIENT
Barrie

ARCHITECT

58 GRAND AVE S, CAMBRIDGE, ON N1S 0B7

fabrik
ARCHITECTS

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SHEET TITLE PROPOSED REFLECTED CEILING PLAN

PROJECT No. 23013 SCALE As indicated

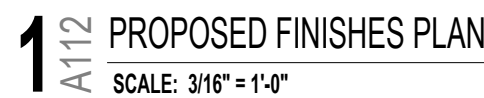
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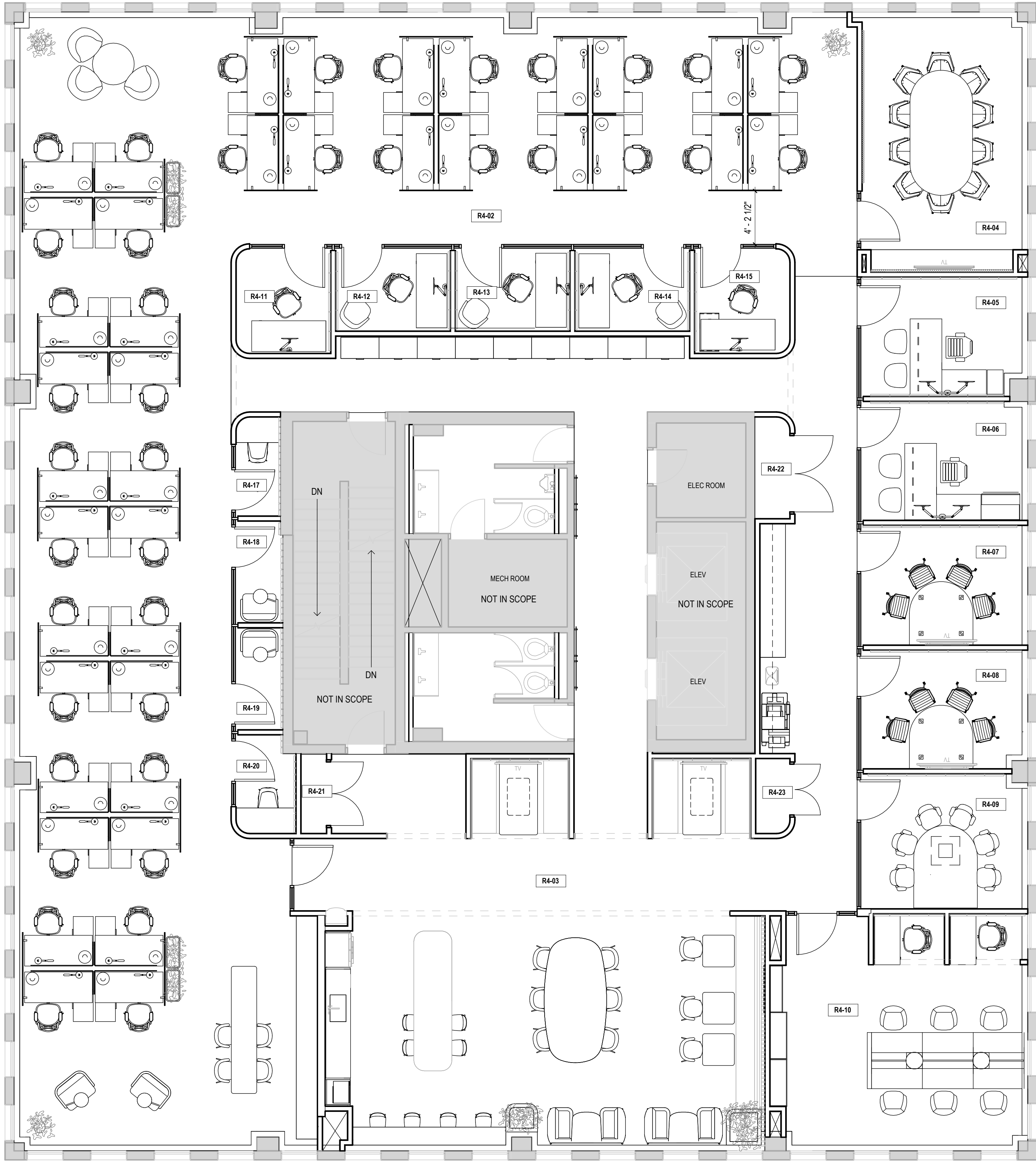
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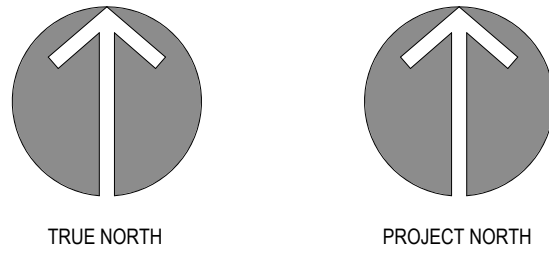
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ROOM LEGEND	
Name	Number
CORRIDOR	R4-01
OPEN WORK AREA	R4-02
THE HUB	R4-03
CONFERENCE ROOM	R4-04
FOCUS ROOM	R4-05
OFFICE	R4-06
MEETING ROOM	R4-07
MEETING ROOM	R4-08
MEETING ROOM	R4-09
LIBRARY	R4-10
FOCUS ROOM	R4-11
FOCUS ROOM	R4-12
FOCUS ROOM	R4-13
FOCUS ROOM	R4-14
FOCUS ROOM	R4-15
RESERVED	R4-16
PHONE ROOM	R4-17
PHONE ROOM	R4-18
PHONE ROOM	R4-19
PHONE ROOM	R4-20
CLOSET	R4-21
IT CLOSET	R4-22
STORAGE	R4-23
MEN'S WASHROOM	R4-24
WOMEN'S WASHROOM	R4-25



KEY PLAN

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5	TENDER
4	CLIENT REVIEW SET 4
3	CLIENT REVIEW SET 3
2	CLIENT REVIEW SET 2
1	CLIENT REVIEW SET 1
DATE	ISSUED

PROJECT NAME
BARRIE CITY HALL - FOURTH FLOOR RENOVATION



ARCHITECT

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SHEET TITLE
PROPOSED FURNITURE PLAN

PROJECT No. 23013 SCALE 3/16" = 1'-0"

DRAWN By: K.C.

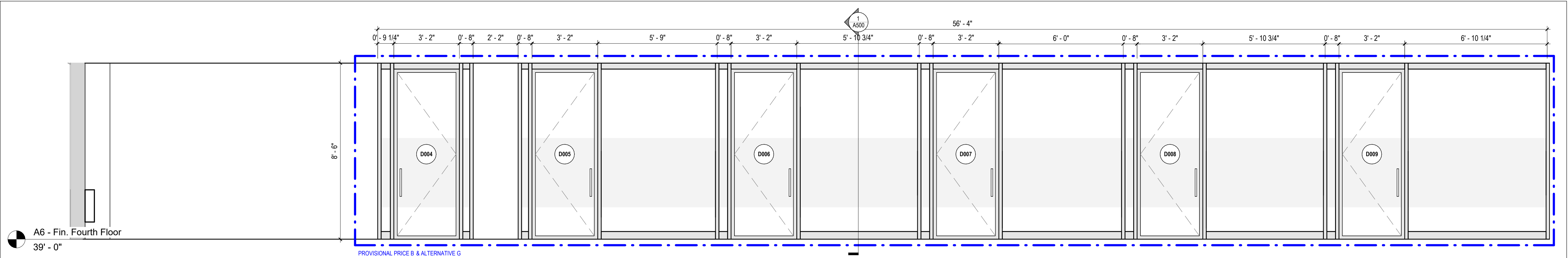
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SHEET No.

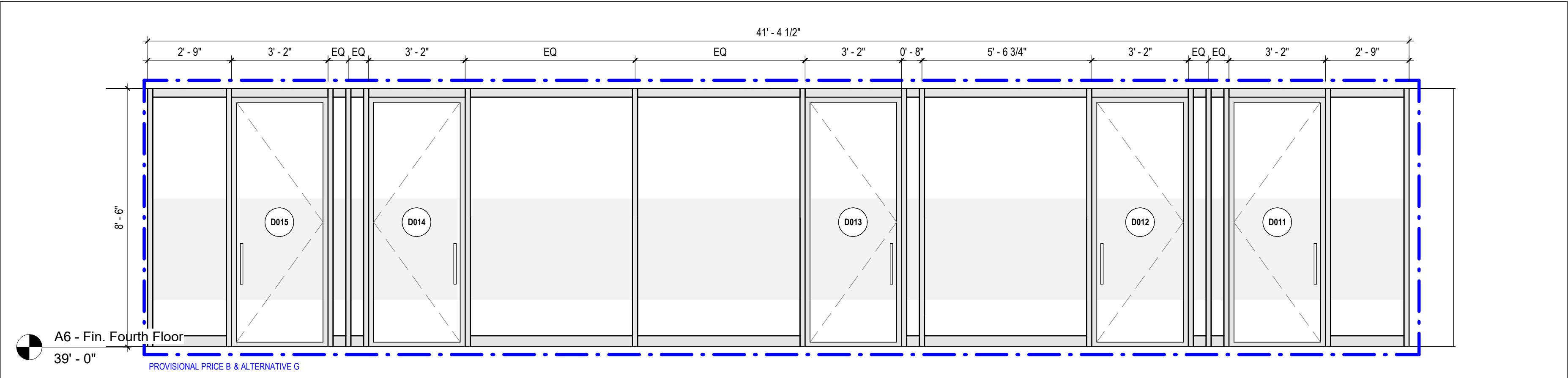
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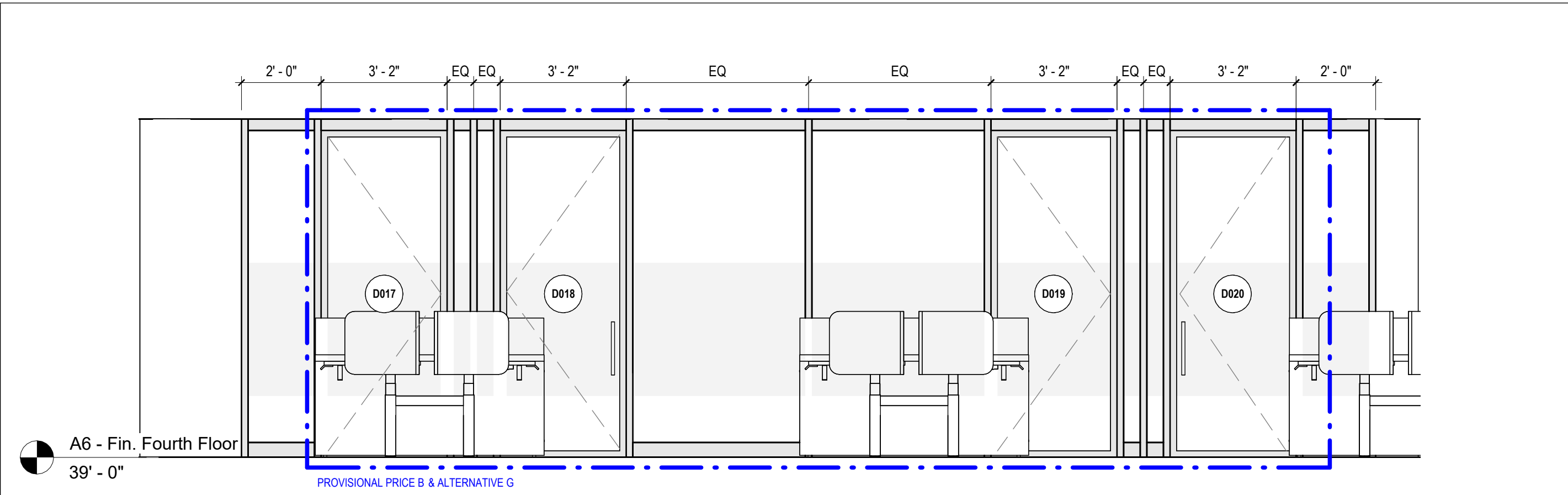
1 A113 PROPOSED FURNITURE PLAN
SCALE: 3/16" = 1'-0"



1 A400 MEETING / CONF. ROOM DEMOUNTABLE GLASS WALL ELEVATION
SCALE: 3/8" = 1'-0"



2 A400 FOCUS ROOM DEMOUNTABLE GLASS WALL ELEVATION
SCALE: 3/8" = 1'-0"



3 A400 PHONE ROOM DEMOUNTABLE GLASS WALL ELEVATION
SCALE: 3/8" = 1'-0"

KEY PLAN

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5	TENDER
4	CLIENT REVIEW SET 4
3	CLIENT REVIEW SET 3
2	CLIENT REVIEW SET 2
1	CLIENT REVIEW SET 1
DATE	ISSUED

PROJECT NAME
BARRIE CITY HALL - FOURTH FLOOR RENOVATION

CLIENT
Barrie

ARCHITECT

58 GRAND AVE S, CAMBRIDGE, ON, N1S 0B7

fabrik
ARCHITECTS

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SHEET TITLE
DEMOUNTABLE GLASS WALL ELEVATIONS

PROJECT No. **23013** SCALE **3/8" = 1'-0"**

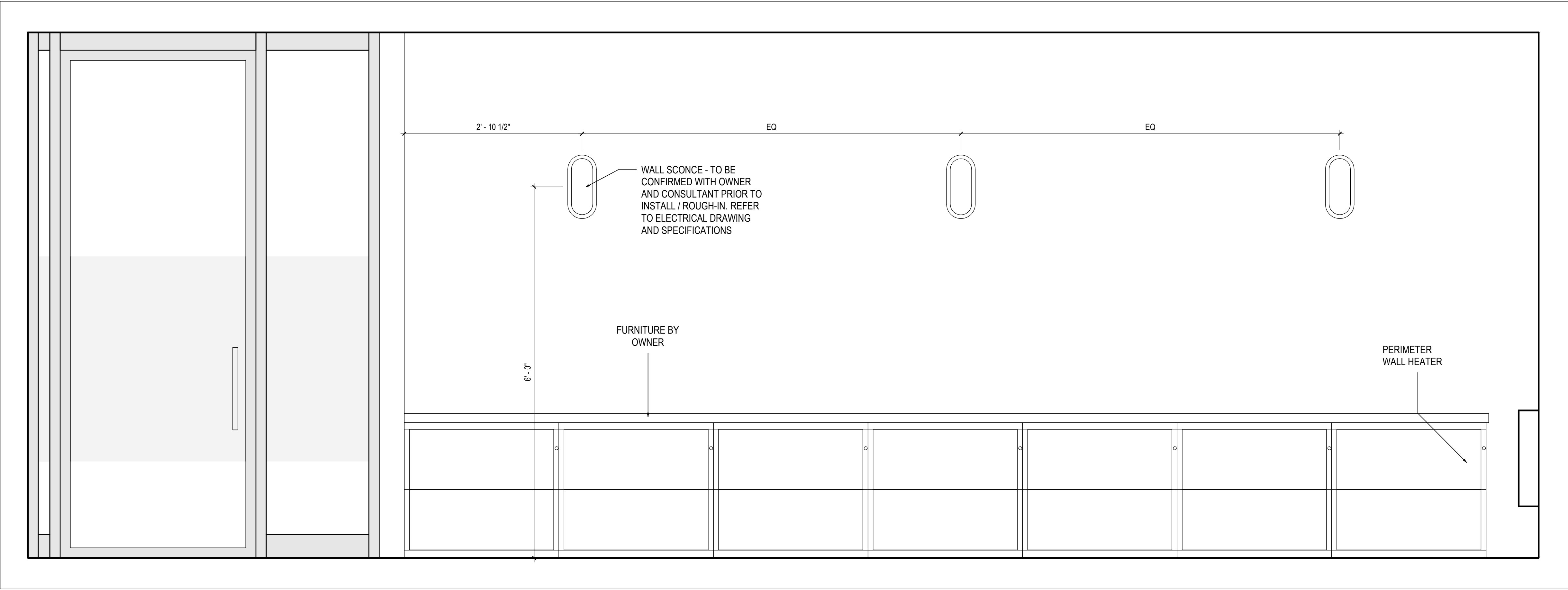
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CHECKED By: **L.K.**

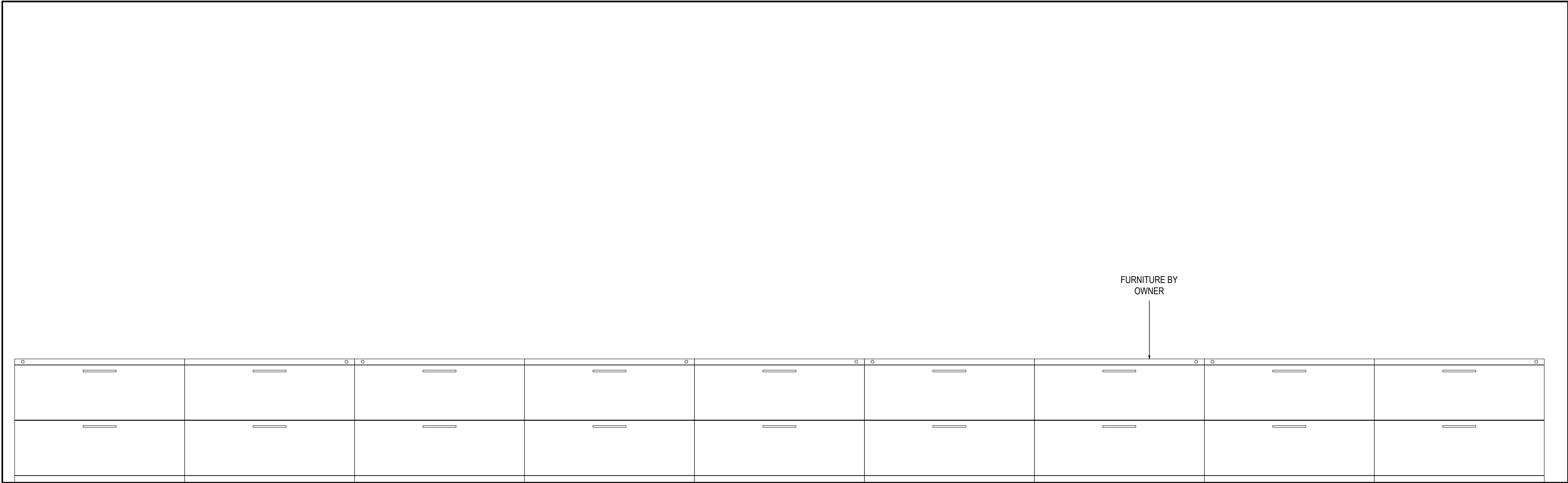
SHEET No.

A400

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1 RESOURCE AREA MILLWORK ELEVATION
A401
SCALE: 1" = 1'-0"



2 FILING/FUTURE LOCKER ELEVATION
A401
SCALE: 1" = 1'-0"

KEY PLAN

	10	
	9	
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	6	
2026.05.13	5	TENDER
2026.05.12	4	CLIENT REVIEW SET 4
2026.05.05	3	CLIENT REVIEW SET 3
2026.04.29	2	CLIENT REVIEW SET 2
2026.04.09	1	CLIENT REVIEW SET
DATE		ISSUED

PROJECT NAME
BARRIE CITY HALL - FOURTH FLOOR RENOVATION



ARCHITECT

58 GRAND AVE S, CAMBRIDGE, ON, N1S 0B7

fabrik
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SHEET TITLE
INTERIOR ELEVATIONS

PROJECT No.	23013	SCALE	1" = 1'-0"
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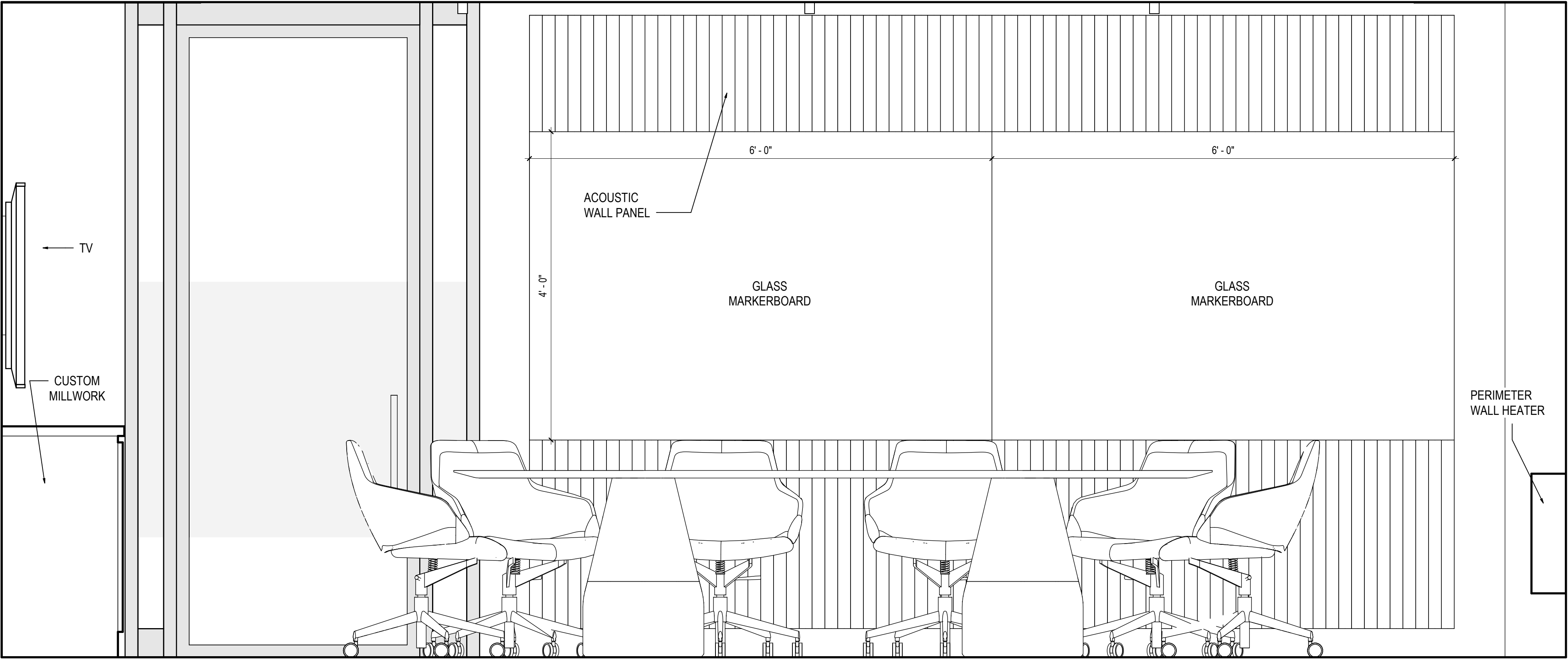
DRAWN By:	K.C.
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CHECKED By:	L.K.
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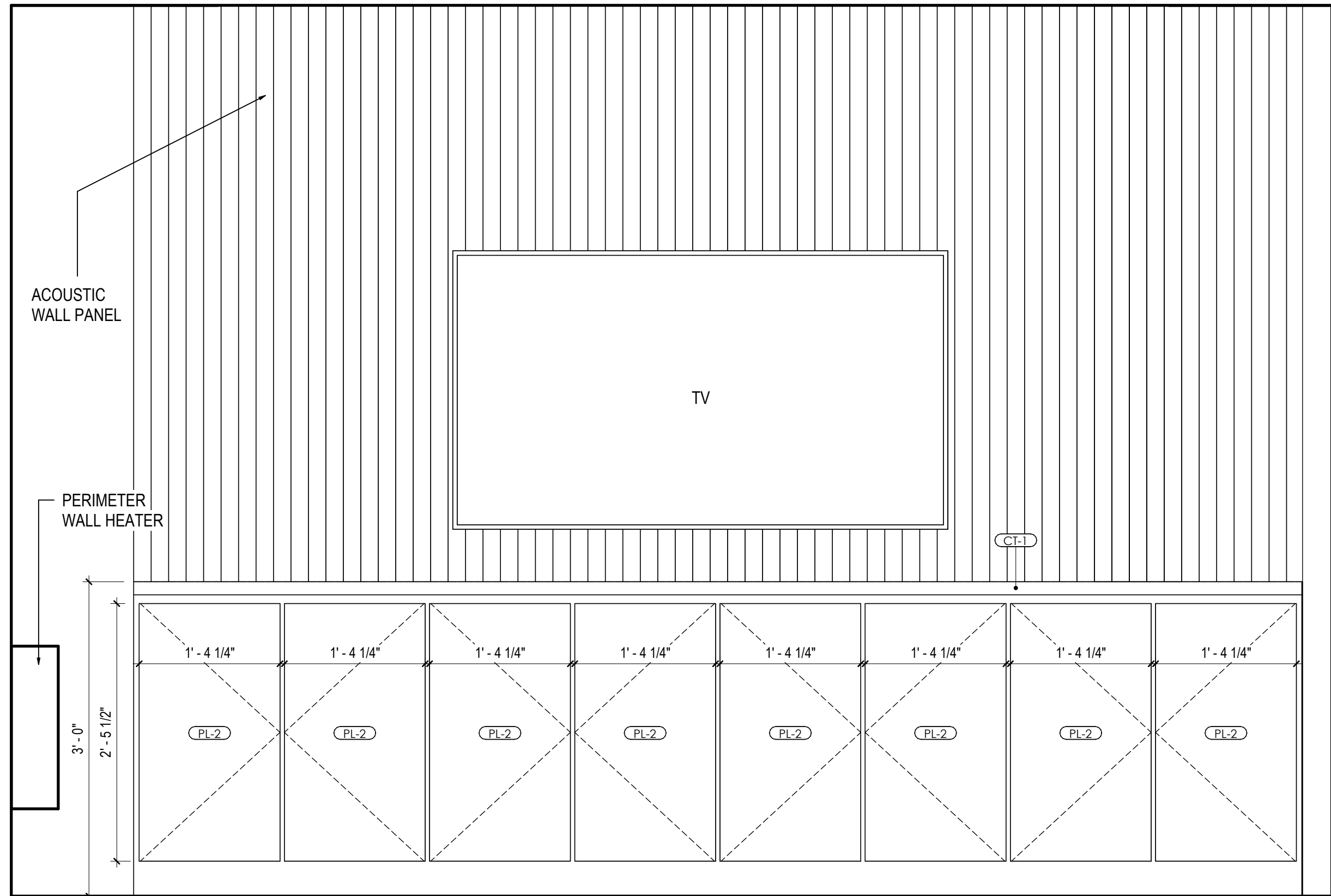
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A401

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1 A402 CONFERENCE ROOM WHITEBOARD ELEVATION
SCALE: 1" = 1'-0"



2 A402 CONFERENCE ROOM MILLWORK ELEVATION
SCALE: 1" = 1'-0"

FINISHES LEGEND

(PT-1)	FIELD COLOUR (ALL LOCATIONS UNLESS NOTED OTHERWISE) DULUX DIAMOND OR EQUAL COLOUR AS SELECTED EGGSHELL FINISH	(CAR-1)	CARPET TILE
(PT-2)	ACCENT COLOR 1 DULUX DIAMOND OR EQUAL COLOUR AS SELECTED EGGSHELL FINISH	(CAR-2)	CARPET - NOT USED
(PT-3)	ACCENT COLOR 2 DULUX DIAMOND OR EQUAL COLOUR AS SELECTED EGGSHELL FINISH	(LVT-1)	LVT FLOORING
(PT-DR)	DOOR AND DOOR FRAME PAINT DULUX DIAMOND OR EQUAL COLOUR AS SELECTED SEMI-GLOSS FINISH	(WD-1)	WOOD-LOOK PLASTIC LAMINATE
(PT-C)	CUSTOM GRAPHIC WALL PAINT (TBD.)	(PL-1)	PLASTIC LAMINATE
(RB-1)	RUBBER WALL BASE COLOUR AS SELECTED BY ARCHITECT TO MATCH WALLS	(PL-2)	PLASTIC LAMINATE
		(AW-1)	ACOUSTIC WALL TILE 1
		(AW-2)	ACOUSTIC WALL TILE 2
		(CT-1)	COUNTER TOP FINISH
		(CT-2)	WASHROOM COUNTER TOP FINISH
		(TL-1)	KITCHEN WALL TILE
		(TL-2)	WASHROOM WALL TILE
		(TL-3)	FLOOR AND WALL TILE
		(TR-1)	FLOORING TRANSITION

NOTE: GENERAL CONTRACTOR TO ENSURE ADEQUATE BLOCKING IS PROVIDED IN WALLS WHERE REQUIRED TO SUPPORT WALL-HUNG ELEMENTS (TYP. FOR ALL MILLWORK, TVS, WHITEBOARDS, WASHROOM ACCESSORIES, ETC.). WHERE ADDITIONAL BLOCKING IS REQUIRED IN EXISTING WALLS, CONTRACTOR IS RESPONSIBLE FOR PATCHING WALL TO MAKE GOOD.

NOTE: ALIGN ALL WALL TILE JOINTS WITH FLOOR TILE AND BASEBOARD TILE JOINTS WHEREVER POSSIBLE.

KEY PLAN

	10	
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	6	
2026.05.13	5	TENDER
2026.05.12	4	CLIENT REVIEW SET 4
2026.05.05	3	CLIENT REVIEW SET 3
2026.04.29	2	CLIENT REVIEW SET 2
2026.04.09	1	CLIENT REVIEW SET
DATE		ISSUED

PROJECT NAME BARRIE CITY HALL - FOURTH FLOOR RENOVATION

CLIENT



ARCHITECT

58 GRAND AVE S, CAMBRIDGE, ON, N1S 0B7



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SHEET TITLE

INTERIOR ELEVATIONS

PROJECT No. 23013 SCALE As indicated

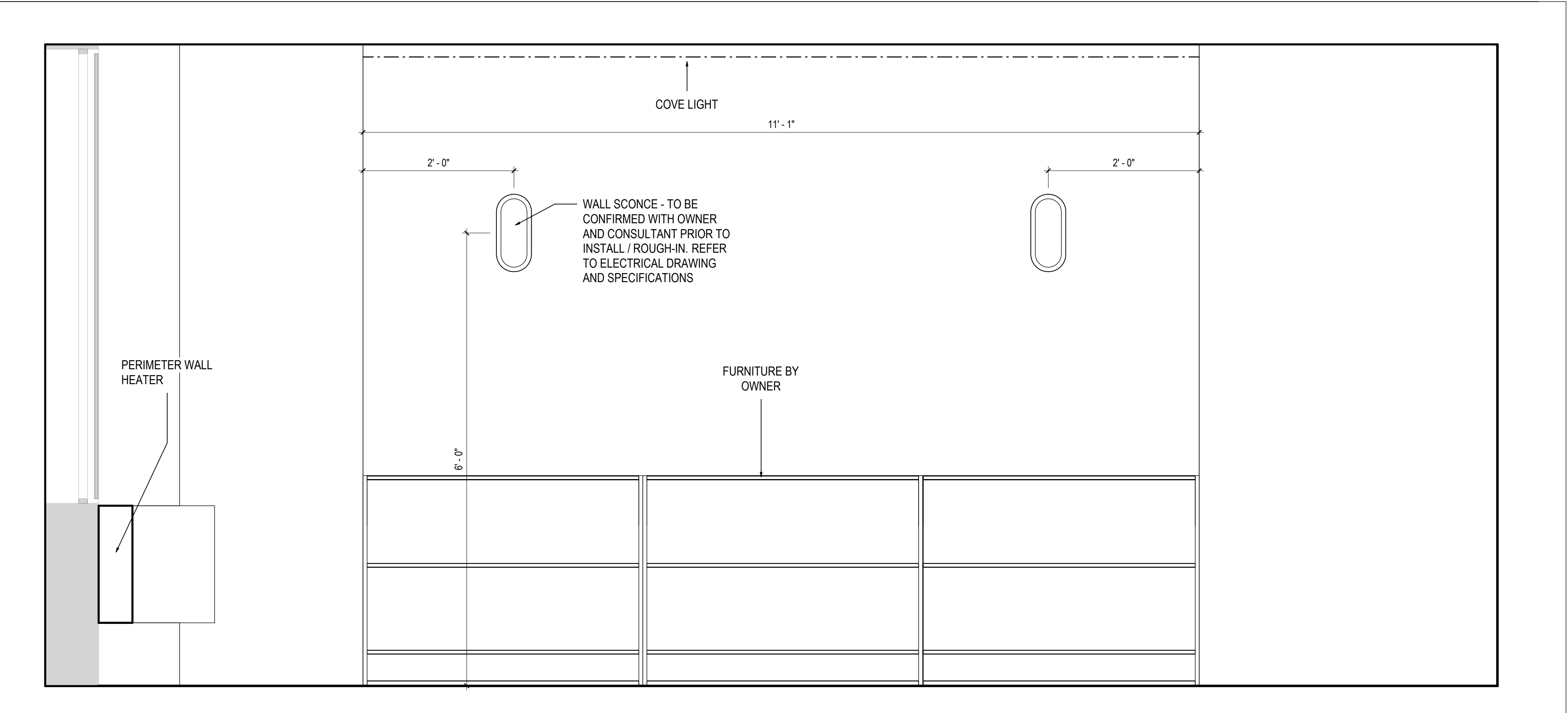
DRAWN By: K.C.

CHECKED By: L.K.

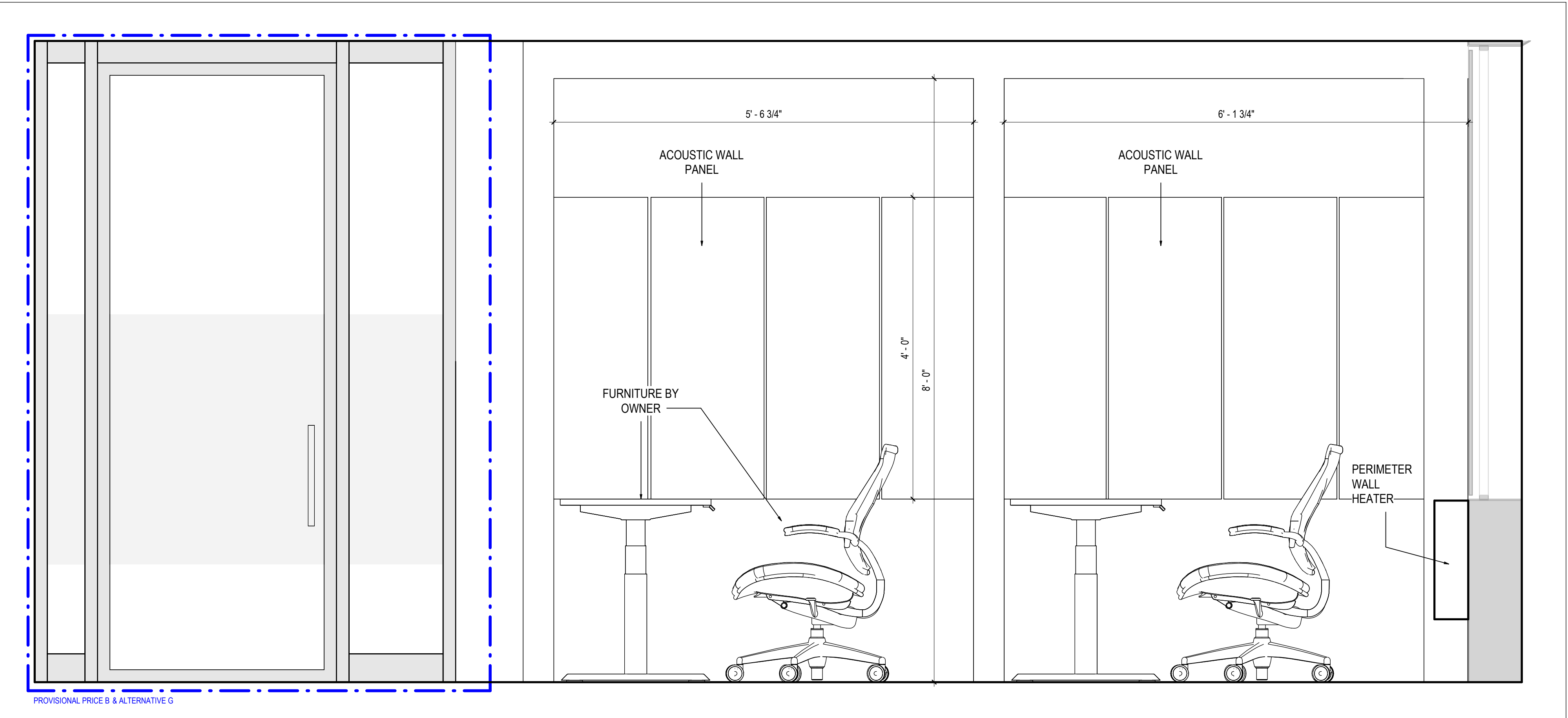
SHEET No.

A402

2026-05-13 3:33:02 PM



1 A403 LIBRARY ELEVATION 1
SCALE: 1" = 1'-0"



2 A403 LIBRARY ELEVATION 2
SCALE: 1" = 1'-0"

KEY PLAN

	10	
	9	
	8	
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2026.05.13	5	TENDER
2026.05.12	4	CLIENT REVIEW SET 4
2026.05.05	3	CLIENT REVIEW SET 3
2026.04.29	2	CLIENT REVIEW SET 2
2026.04.09	1	CLIENT REVIEW SET
DATE		ISSUED

PROJECT NAME
BARRIE CITY HALL - FOURTH FLOOR RENOVATION

CLIENT
Barrie

ARCHITECT

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fabrik
ARCHITECTS

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SHEET TITLE

INTERIOR ELEVATIONS

PROJECT No. **23013** SCALE **1" = 1'-0"**

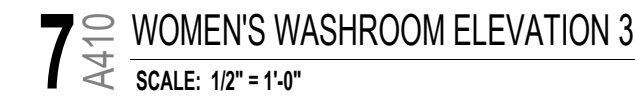
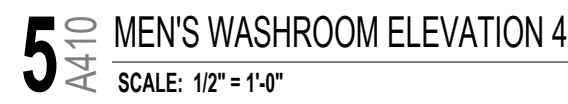
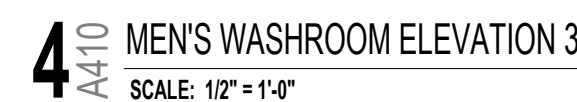
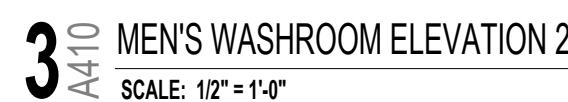
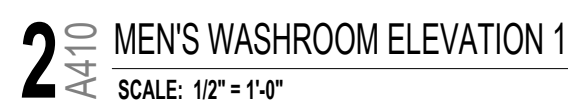
DRAWN By: **K.C.**

CHECKED By: **L.K.**

SHEET No.

A403

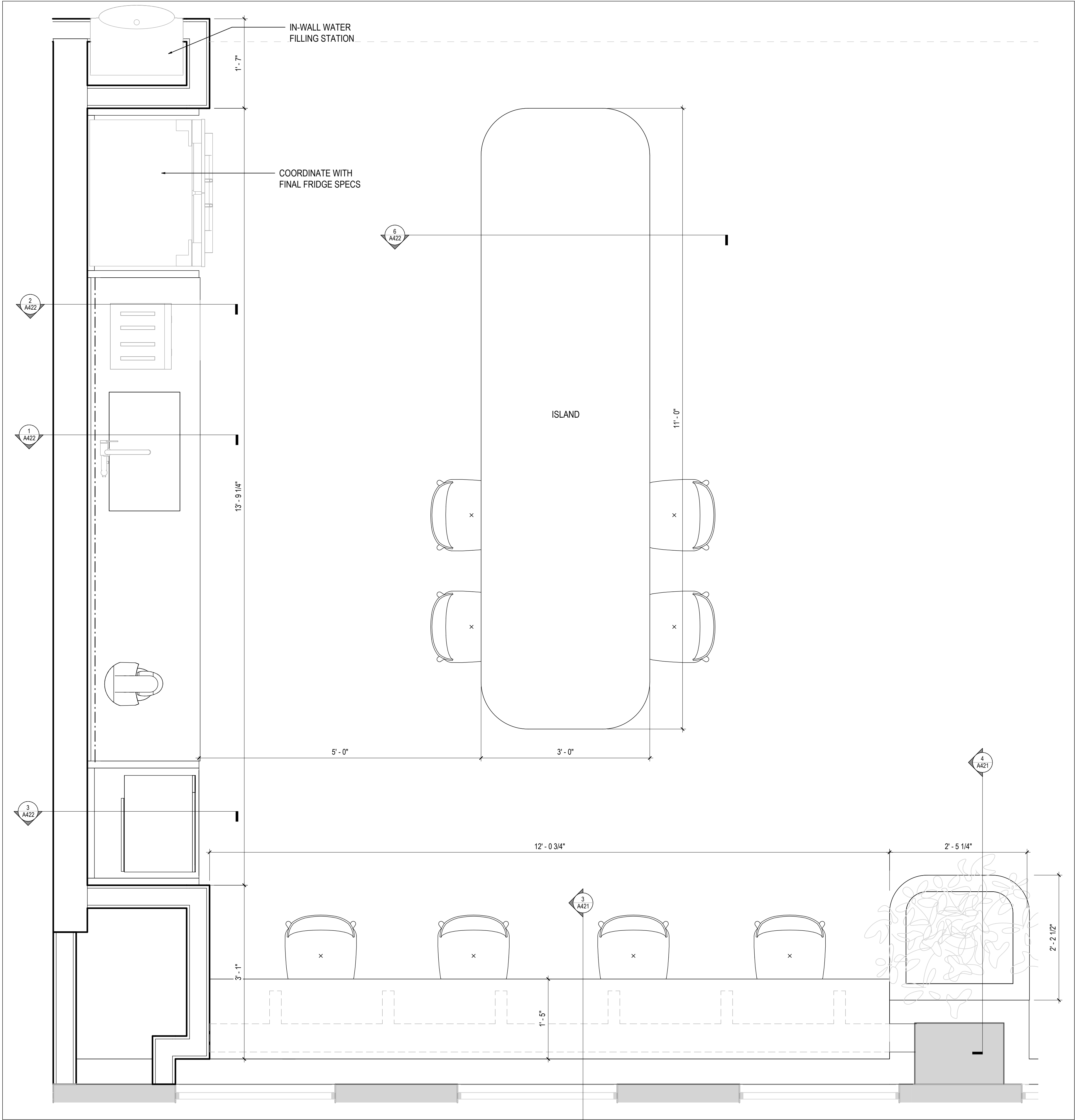
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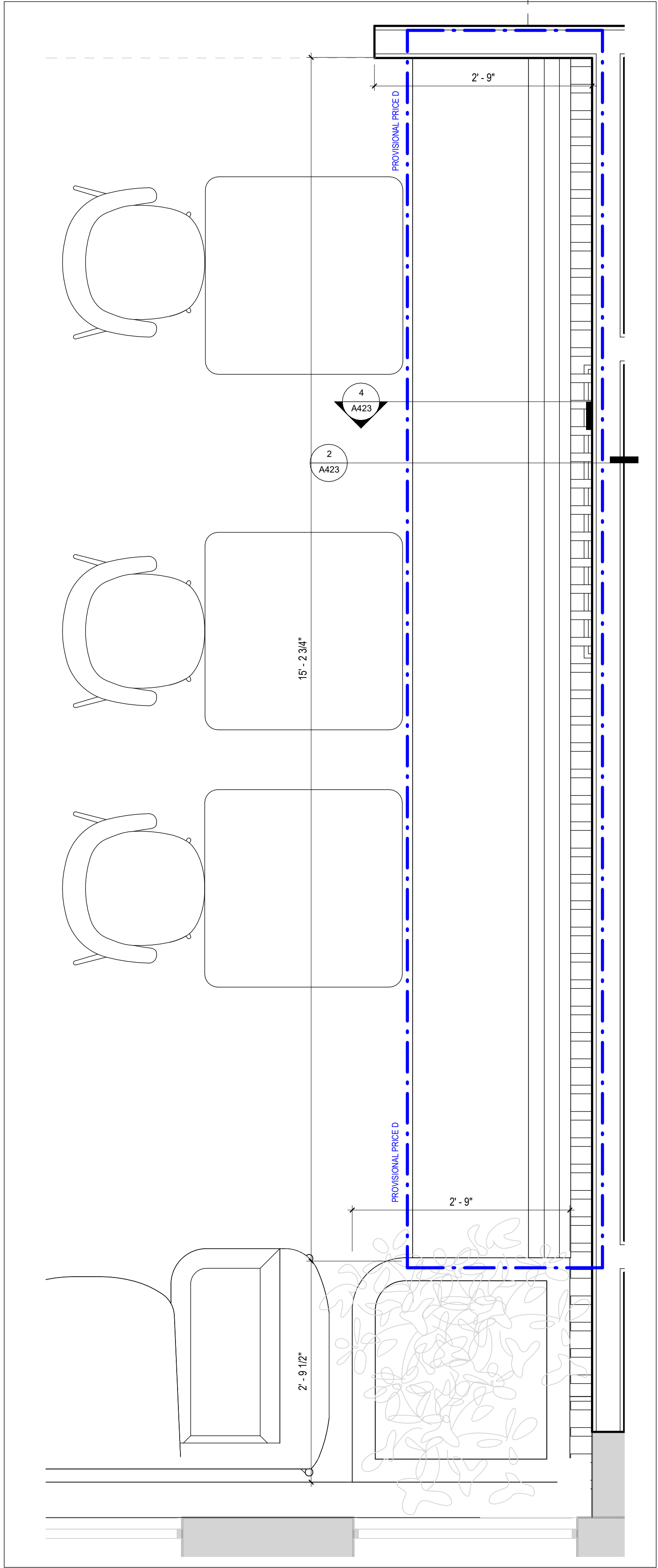
NOTE: ALIGN ALL WALL TILE JOINTS WITH FLOOR TILE AND BASEBOARD TILE JOINTS WHEREVER POSSIBLE



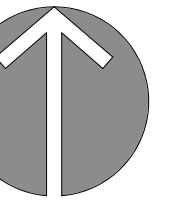
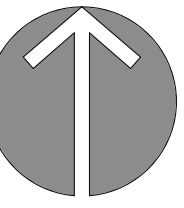
PROJECT No.	23013	SCALE	As indicated
		DRAWN By:	K.C.
		CHECKED By:	L.K.
	SHEET No.		
	<div style="font-size: 2em; font-weight: bold;">A410</div>		
		2026-05-13 3:33:04 PM	



1 A420 LUNCHROOM MILLWORK DETAIL PLAN
SCALE: 1" = 1'-0"



2 A420 LUNCHROOM BOOTH MILLWORK DETAIL PLAN
SCALE: 1" = 1'-0"



KEY PLAN

10	
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5	TENDER
4	CLIENT REVIEW SET 4
3	CLIENT REVIEW SET 3
2	CLIENT REVIEW SET 2
1	CLIENT REVIEW SET 1
DATE	ISSUED

PROJECT NAME
BARRIE CITY HALL - FOURTH FLOOR RENOVATION



ARCHITECT

58 GRAND AVE S, CAMBRIDGE, ON, N1S 0B7

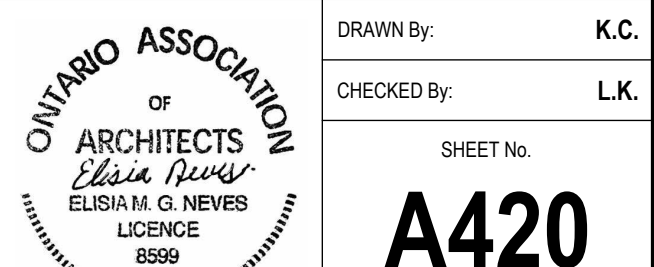


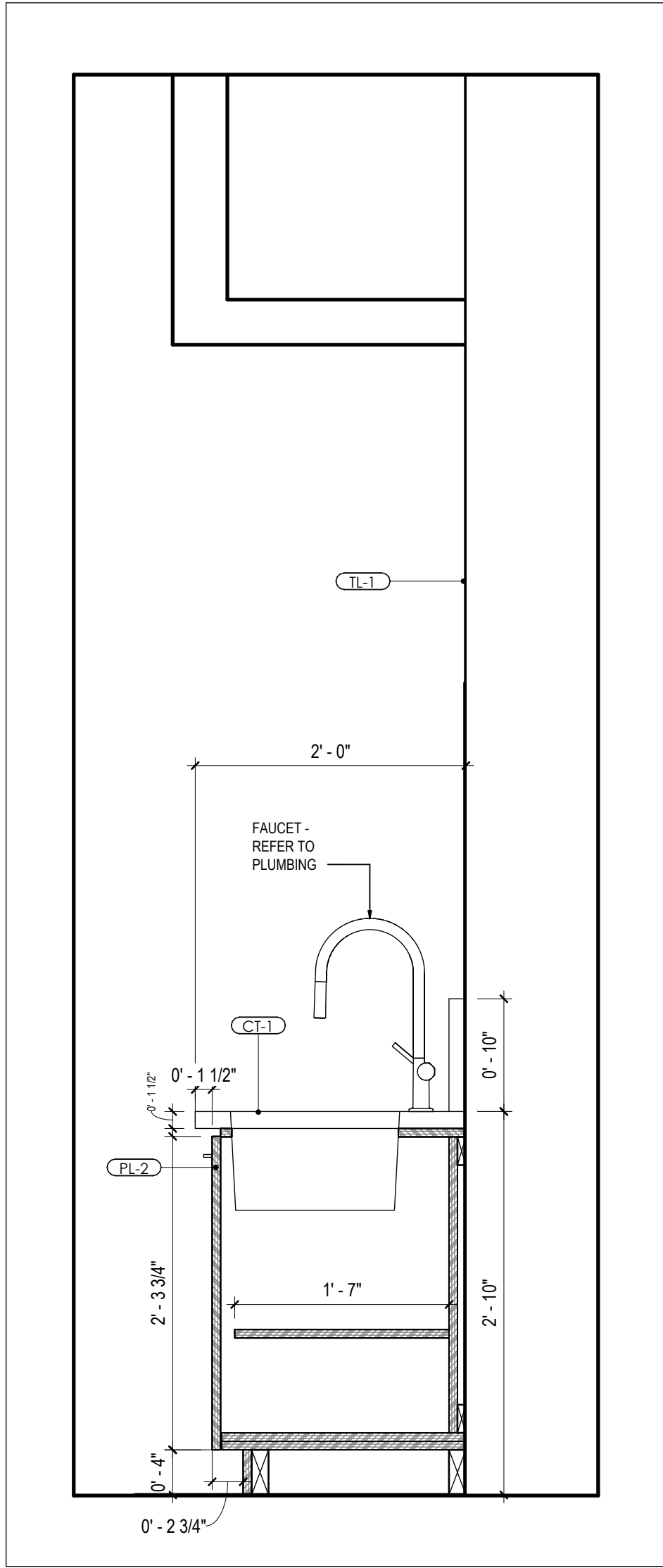
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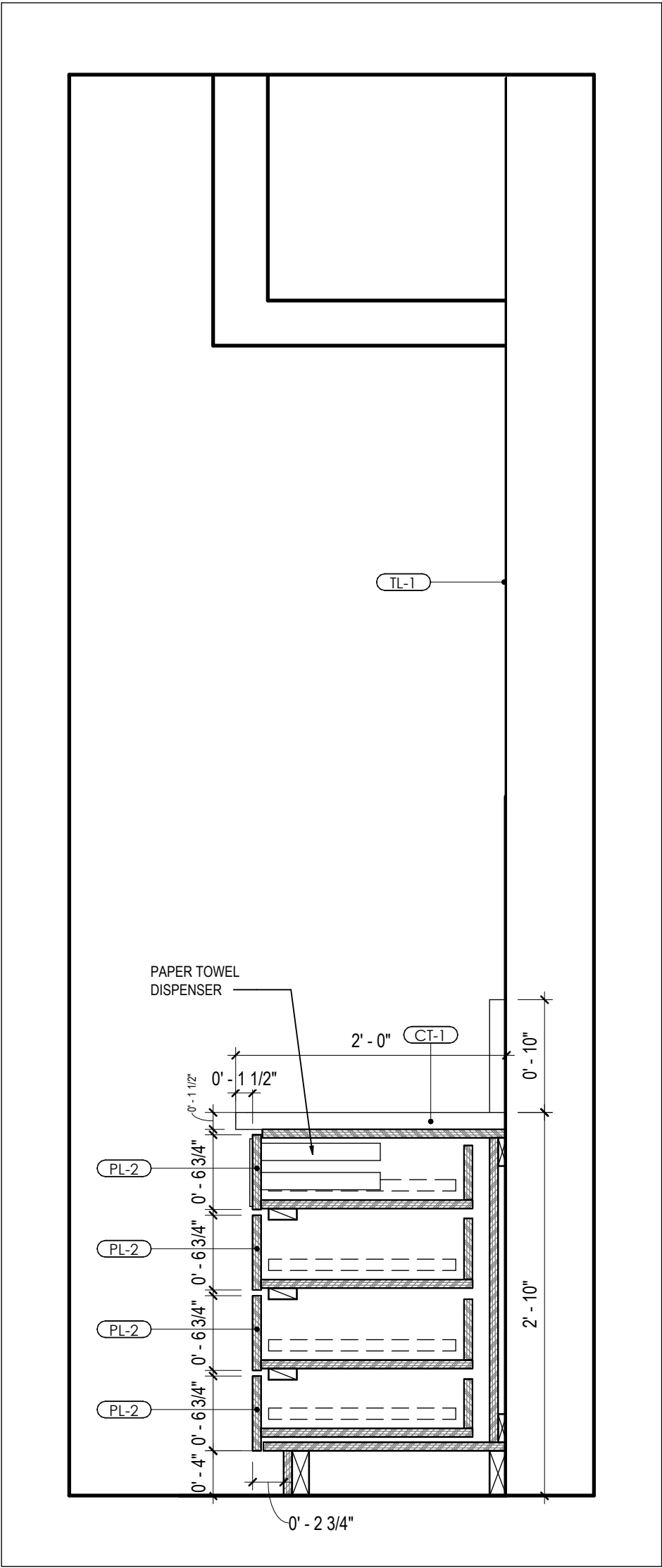
SHEET TITLE
LUNCHROOM MILLWORK DETAIL PLANS

PROJECT No. 23013 SCALE 1" = 1'-0"

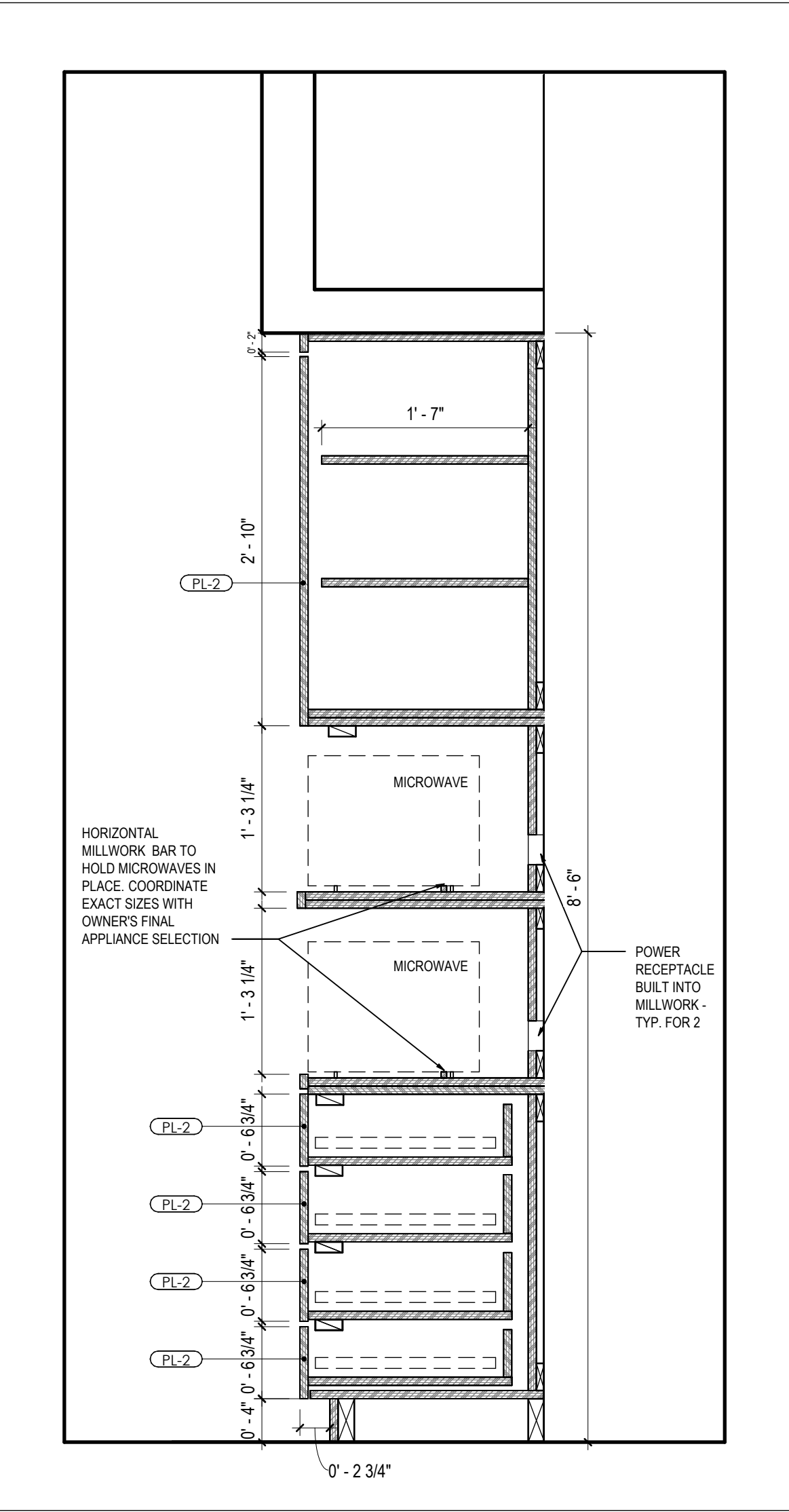




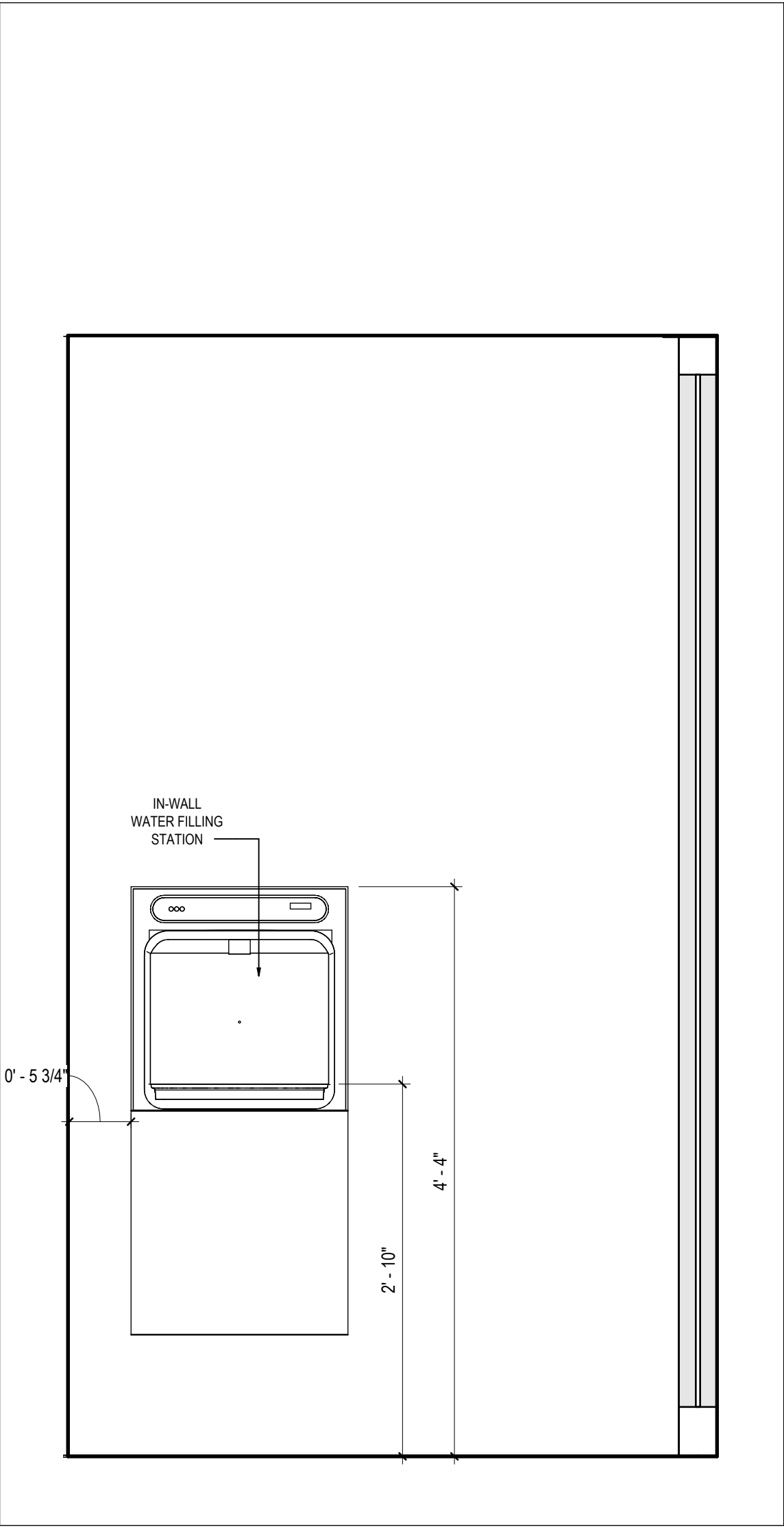
1 A422 LUNCHROOM MILLWORK SECTION - SINK
SCALE: 1" = 1'-0"



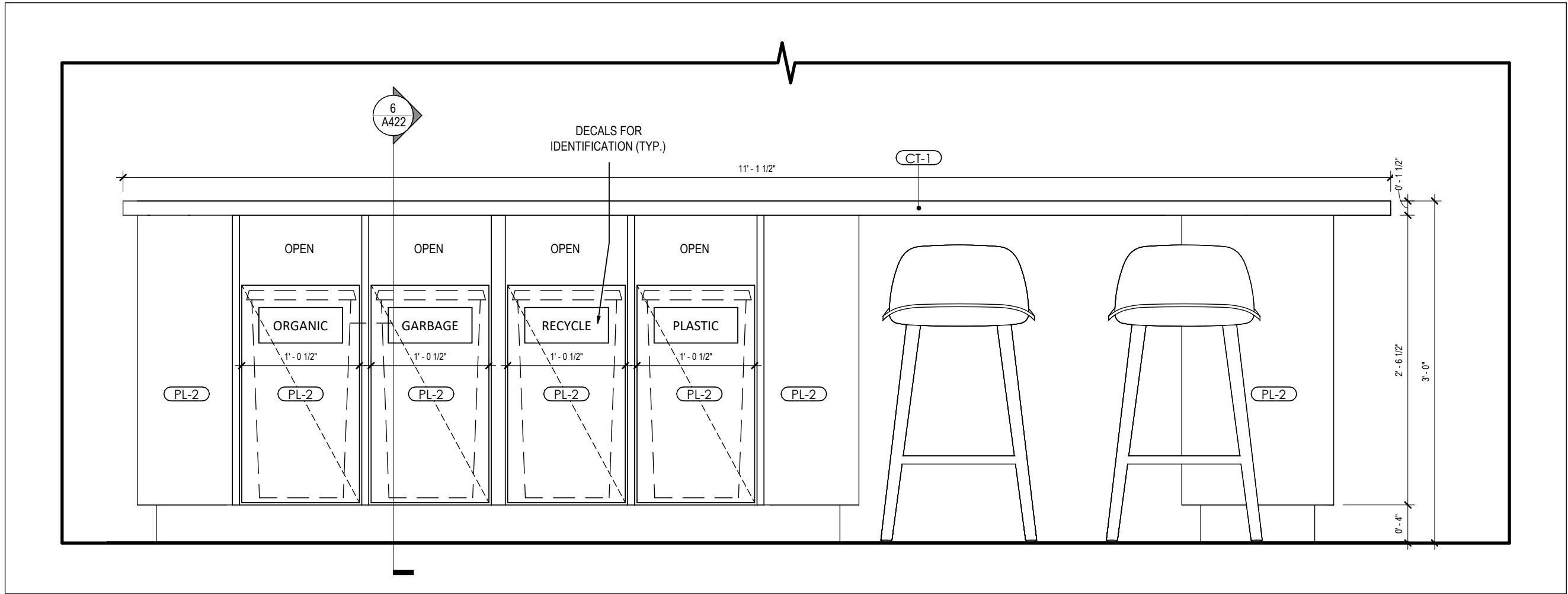
2 A422 LUNCHROOM MILLWORK SECTION
SCALE: 1" = 1'-0"



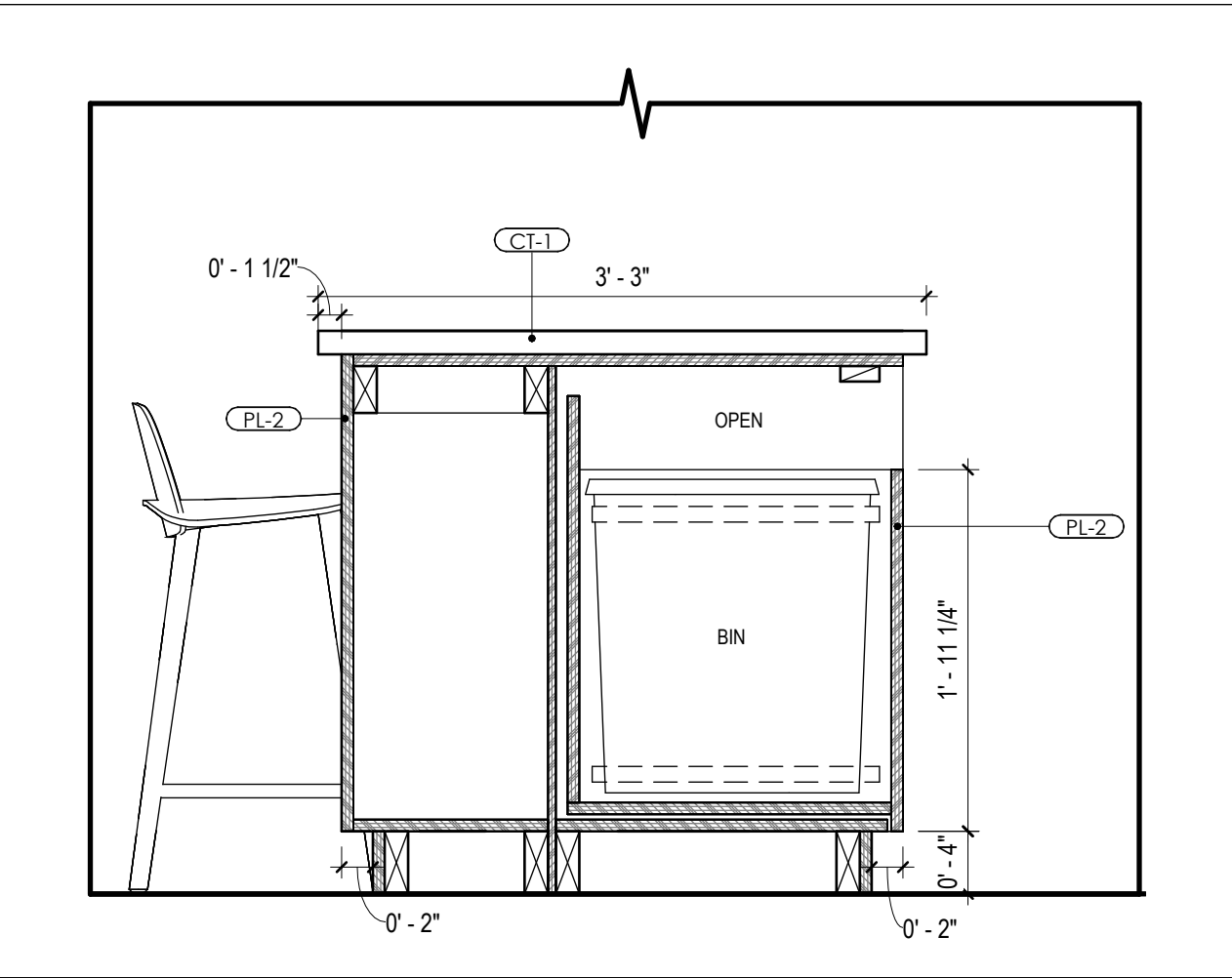
3 A422 LUNCHROOM MILLWORK SECTION - MICROWAVE
SCALE: 1" = 1'-0"



4 A422 IN-WALL WATER FILLING STATION ELEVATION
SCALE: 1" = 1'-0"



5 A422 LUNCHROOM ISLAND MILLWORK ELEVATION
SCALE: 1" = 1'-0"



6 A422 LUNCHROOM ISLAND MILLWORK SECTION
SCALE: 1" = 1'-0"

FINISHES LEGEND

(PT-1)	FIELD COLOUR (ALL LOCATIONS UNLESS NOTED OTHERWISE) DULUX DIAMOND OR EQUAL COLOUR AS SELECTED EGGSHELL FINISH	(CAR-1)	CARPET TILE
(PT-2)	ACCENT COLOR 1 DULUX DIAMOND OR EQUAL COLOUR AS SELECTED EGGSHELL FINISH	(CAR-2)	CARPET - NOT USED
(PT-3)	ACCENT COLOR 2 DULUX DIAMOND OR EQUAL COLOUR AS SELECTED EGGSHELL FINISH	(LV-1)	LVT FLOORING
(PT-DR)	DOOR AND DOOR FRAME PAINT DULUX DIAMOND OR EQUAL COLOUR AS SELECTED SEMI-GLOSS FINISH	(WD-1)	WOOD-LOOK PLASTIC LAMINATE
(PT-C)	CUSTOM GRAPHIC WALL PAINT (TBD.)	(PL-1)	PLASTIC LAMINATE
(RB-1)	RUBBER WALL BASE COLOUR AS SELECTED BY ARCHITECT TO MATCH WALLS	(PL-2)	PLASTIC LAMINATE
		(AW-1)	ACOUSTIC WALL TILE 1
		(AW-2)	ACOUSTIC WALL TILE 2
		(CT-1)	COUNTER TOP FINISH
		(CT-2)	WASHROOM COUNTER TOP FINISH
		(TL-1)	KITCHEN WALL TILE
		(TL-2)	WASHROOM WALL TILE
		(TL-3)	FLOOR AND WALL TILE
		(TR-1)	FLOORING TRANSITION

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KEY PLAN

10	
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5	TENDER
4	CLIENT REVIEW SET 4
3	CLIENT REVIEW SET 3
2	CLIENT REVIEW SET 2
1	CLIENT REVIEW SET 1
DATE	ISSUED

PROJECT NAME BARRIE CITY HALL - FOURTH FLOOR RENOVATION

CLIENT



ARCHITECT

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SHEET TITLE LUNCHROOM MILLWORK ELEVATIONS

PROJECT No. 23013 SCALE As indicated

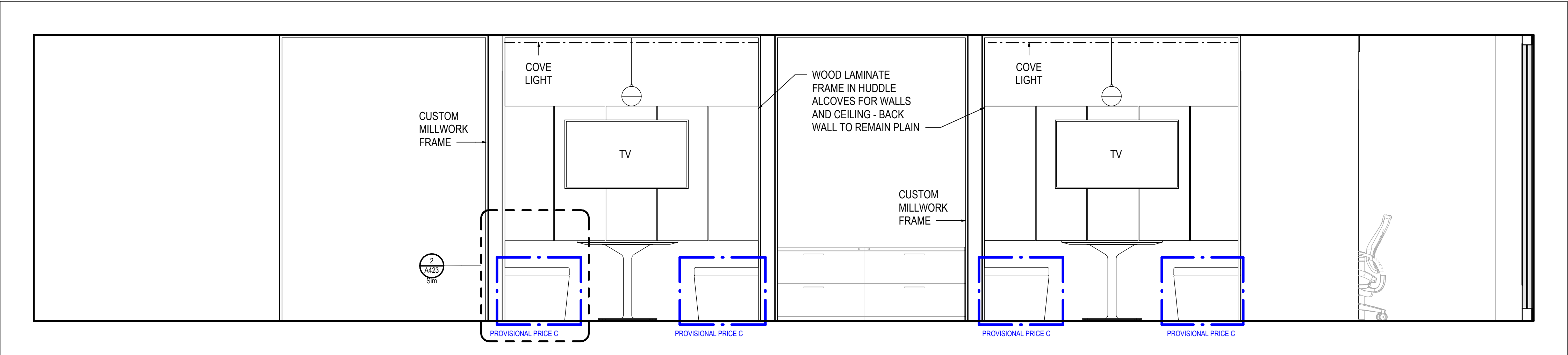
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CHECKED By: L.K.

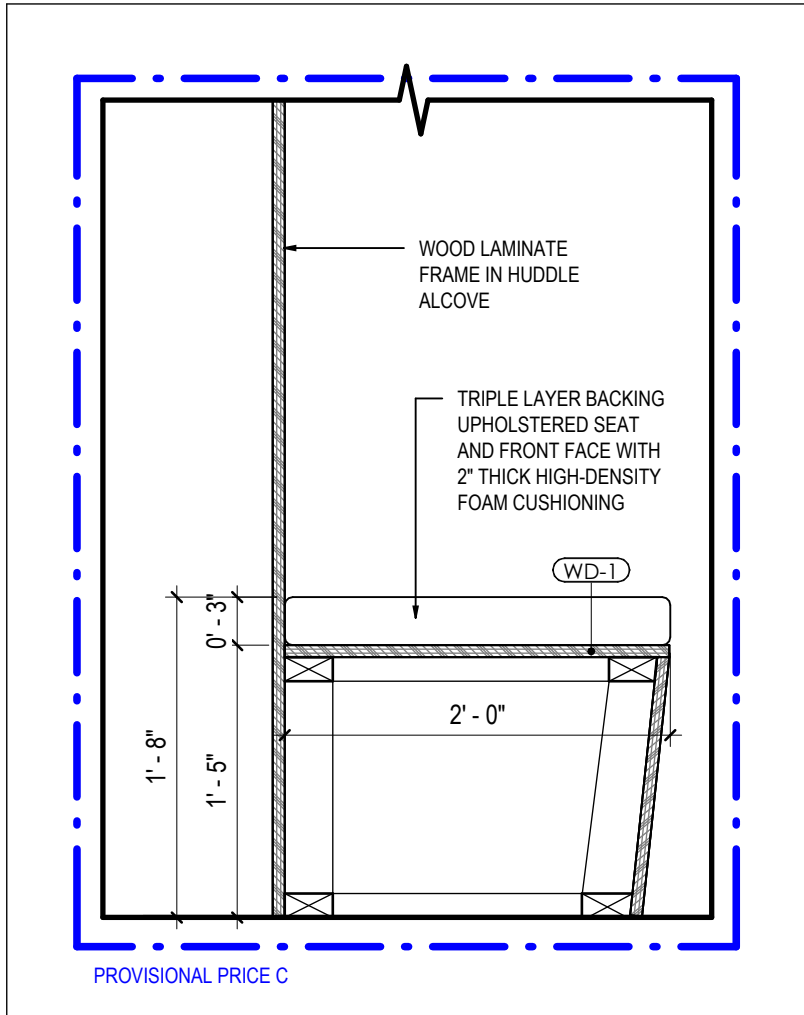
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A422

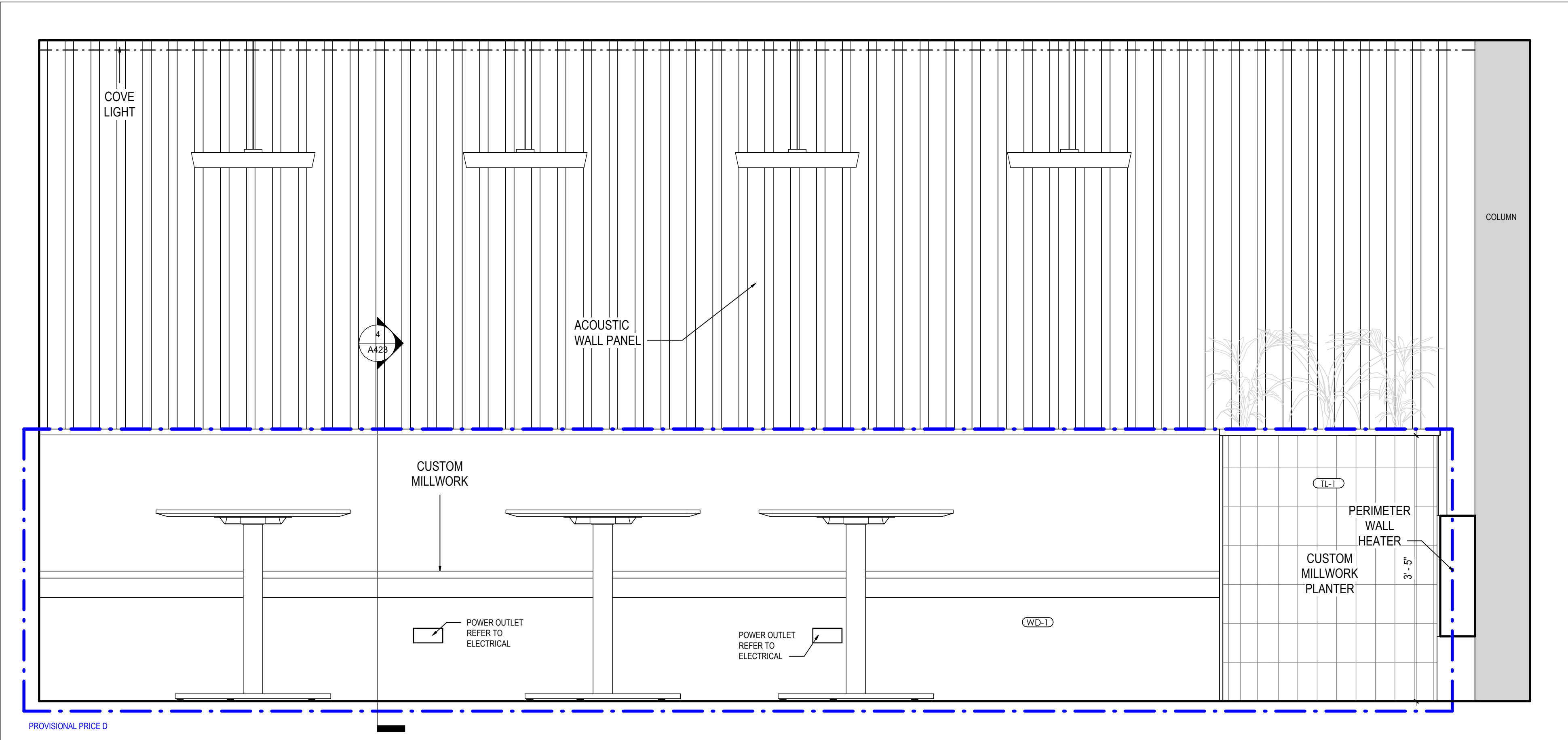
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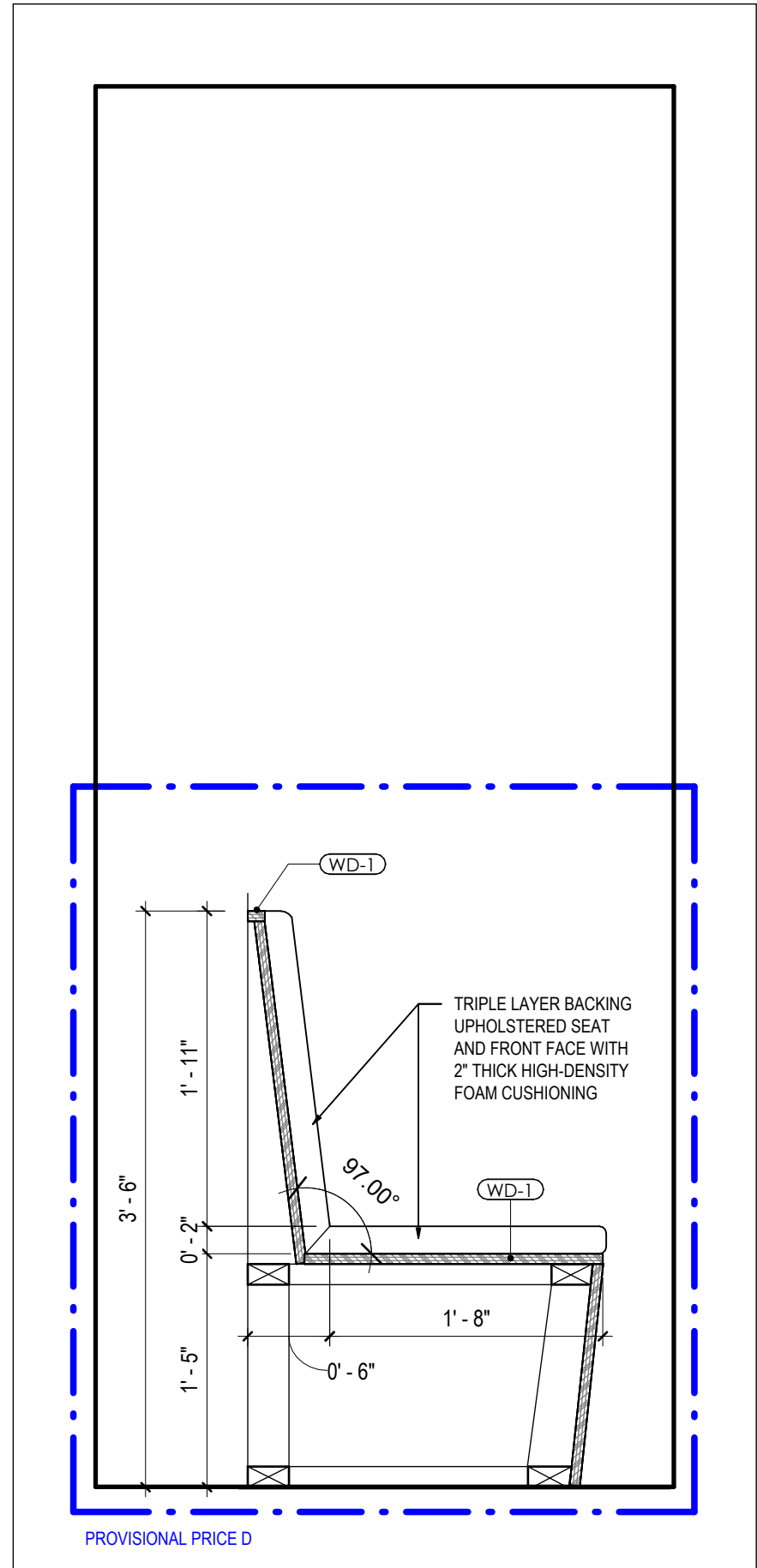
1 A423 HUDDLE BOOTHS ELEVATION
SCALE: 1/2" = 1'-0"



2 A423 HUDDLE BOOTH MILLWORK SECTION
SCALE: 1" = 1'-0"



3 A423 LUNCHROOM BOOTH MILLWORK ELEVATION
SCALE: 1" = 1'-0"



4 A423 LUNCHROOM BOOTH MILLWORK SECTION
SCALE: 1" = 1'-0"

KEY PLAN

10	
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5	TENDER
4	CLIENT REVIEW SET 4
3	CLIENT REVIEW SET 3
2	CLIENT REVIEW SET 2
1	CLIENT REVIEW SET 1
DATE	ISSUED

PROJECT NAME
BARRIE CITY HALL - FOURTH FLOOR RENOVATION

CLIENT
Barrie

ARCHITECT

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SHEET TITLE
LUNCHROOM MILLWORK ELEVATIONS

PROJECT No. 23013 SCALE As indicated

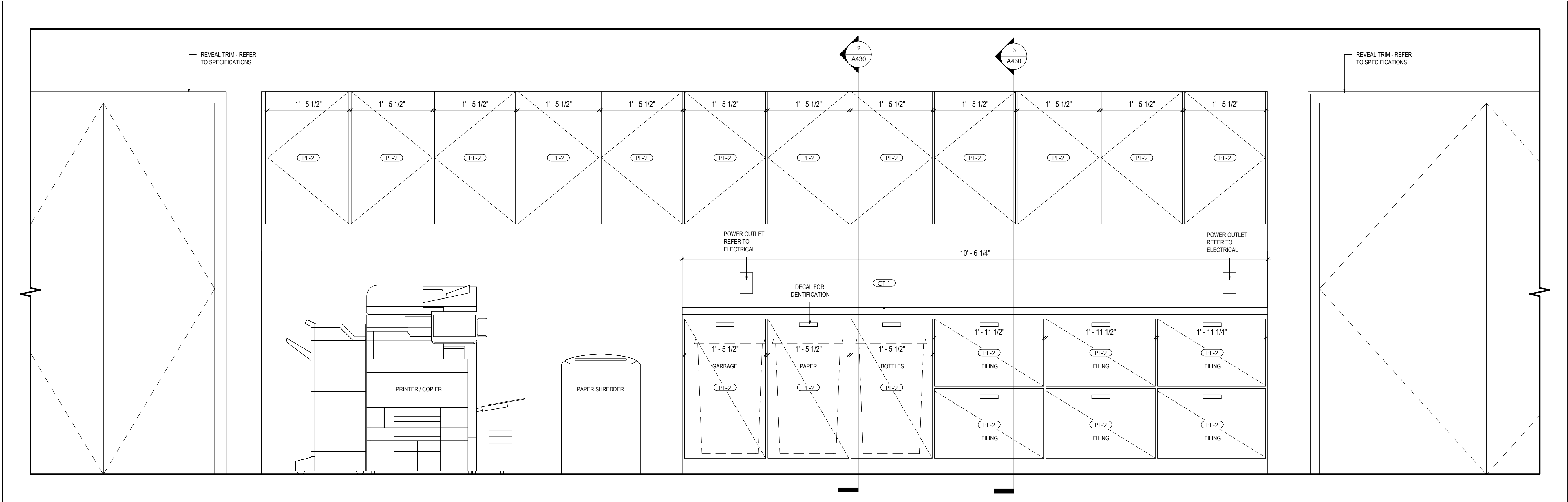
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CHECKED By: L.K.

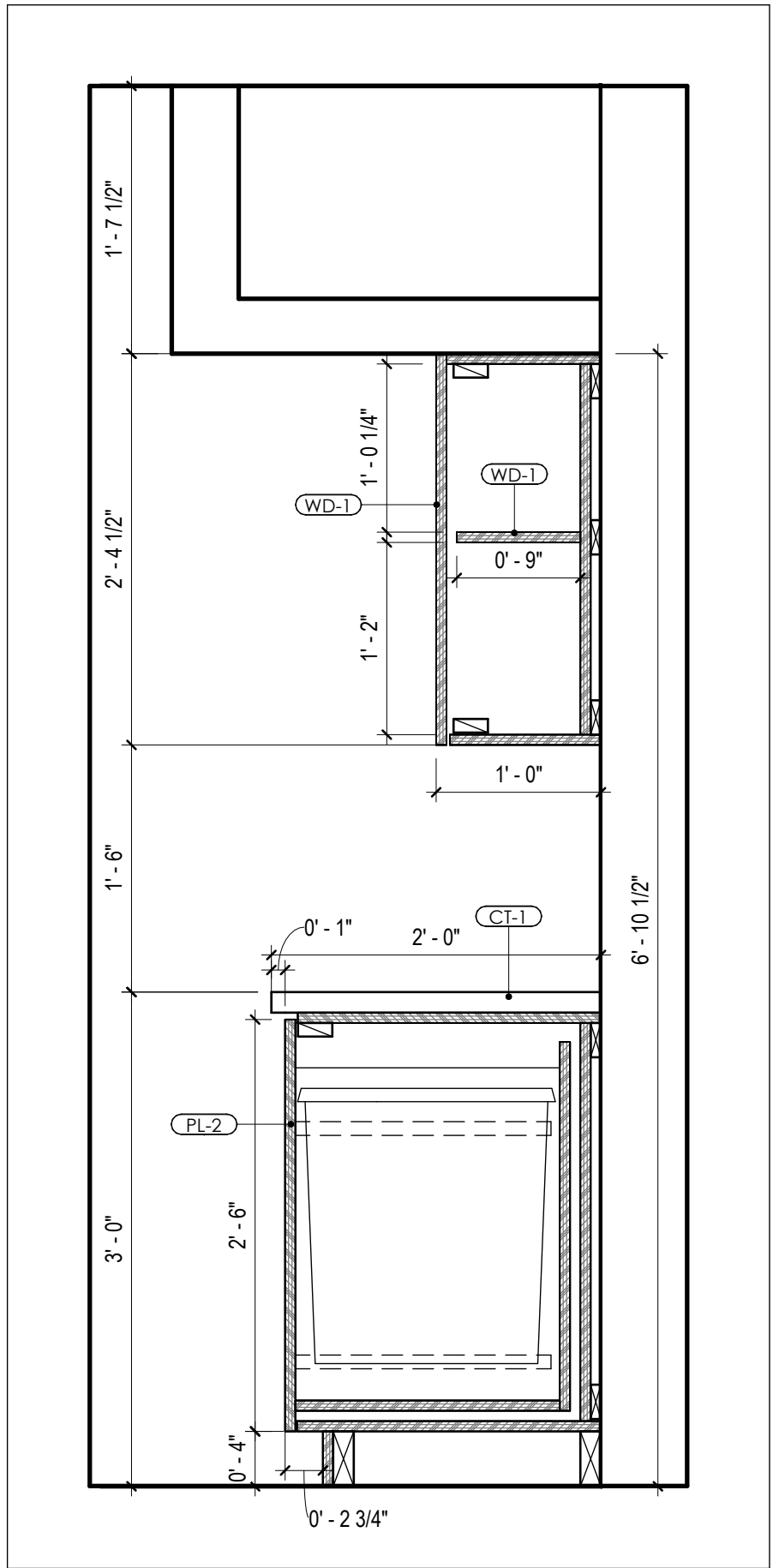
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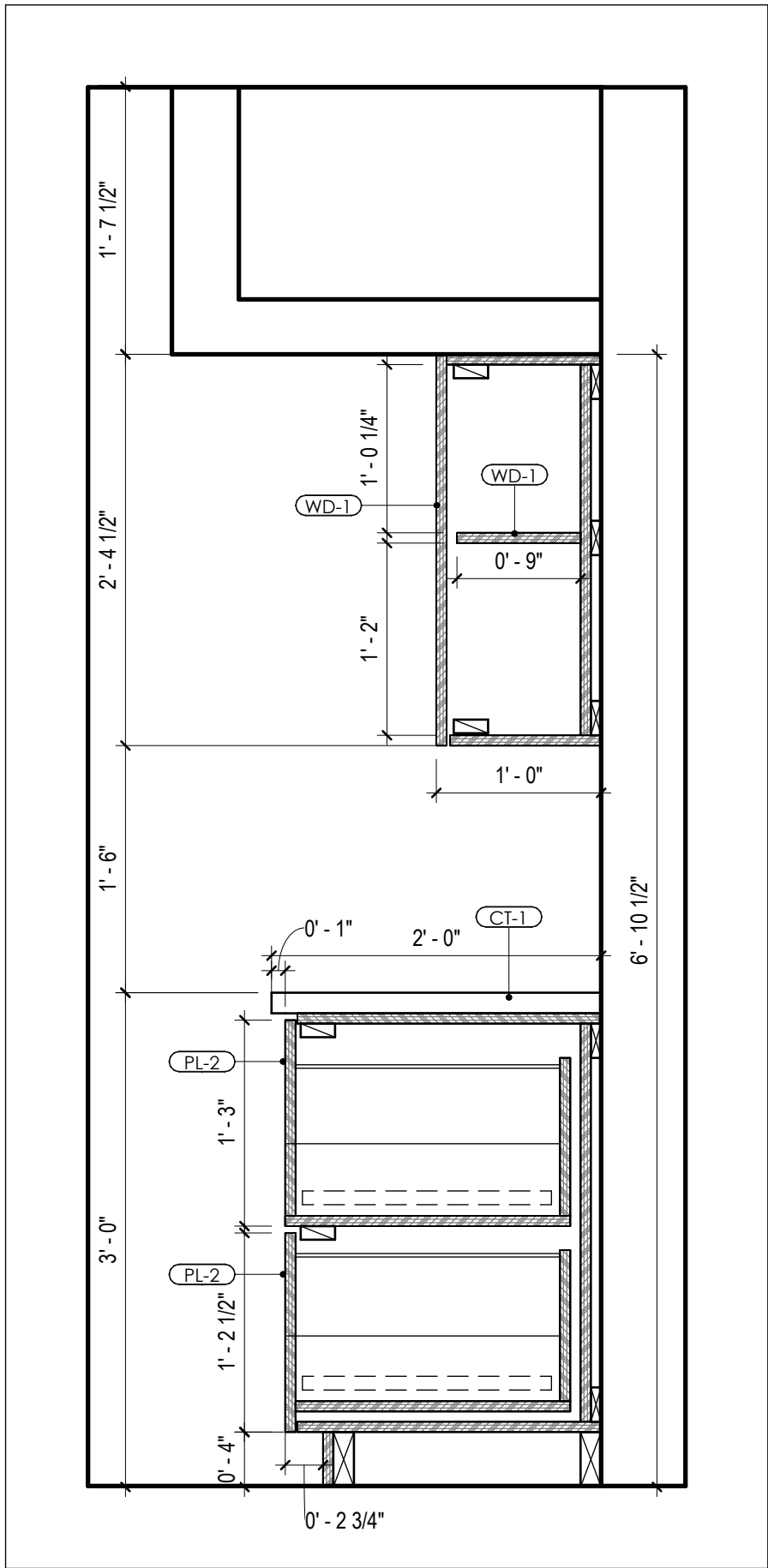
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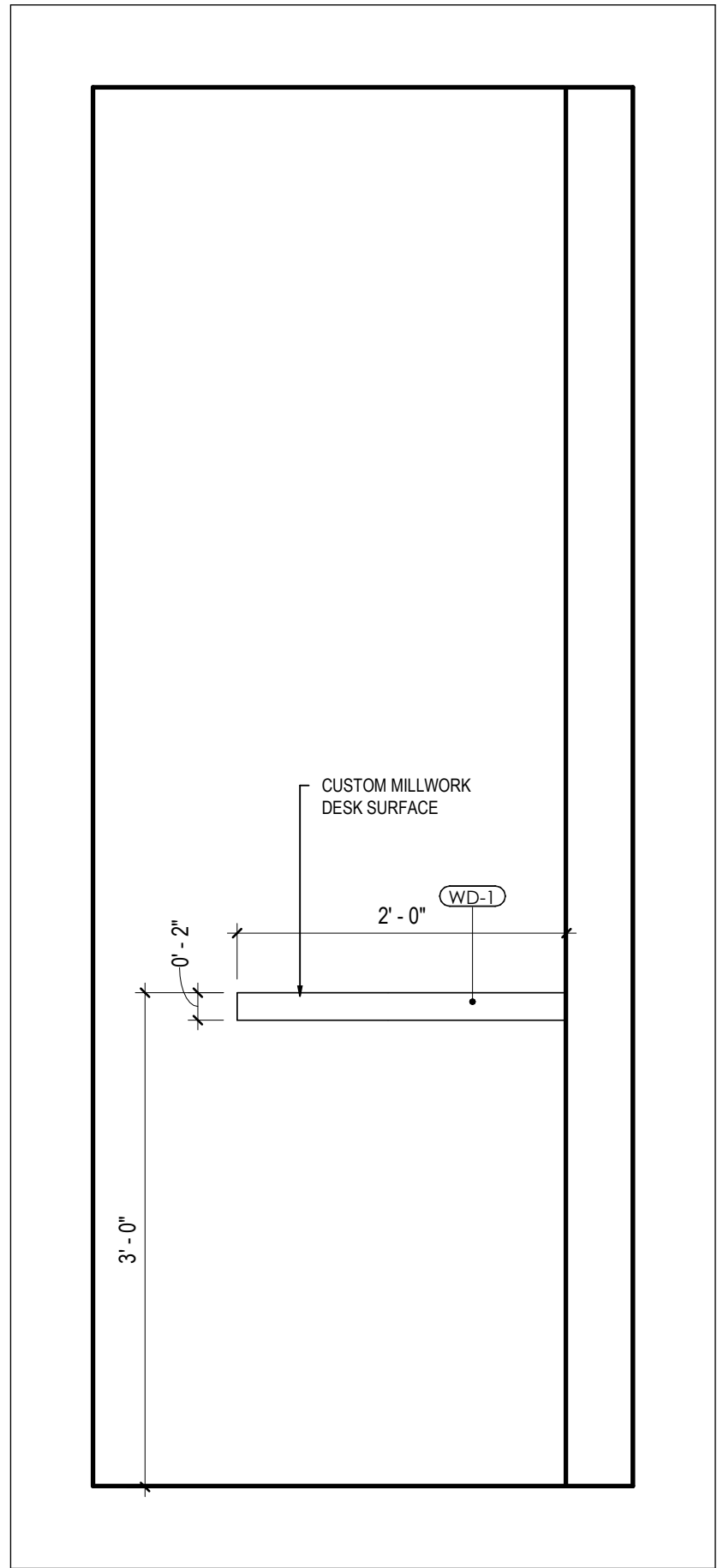
1 A430
A430
PRINTER / SUPPLY MILLWORK ELEVATION
SCALE: 1" = 1'-0"



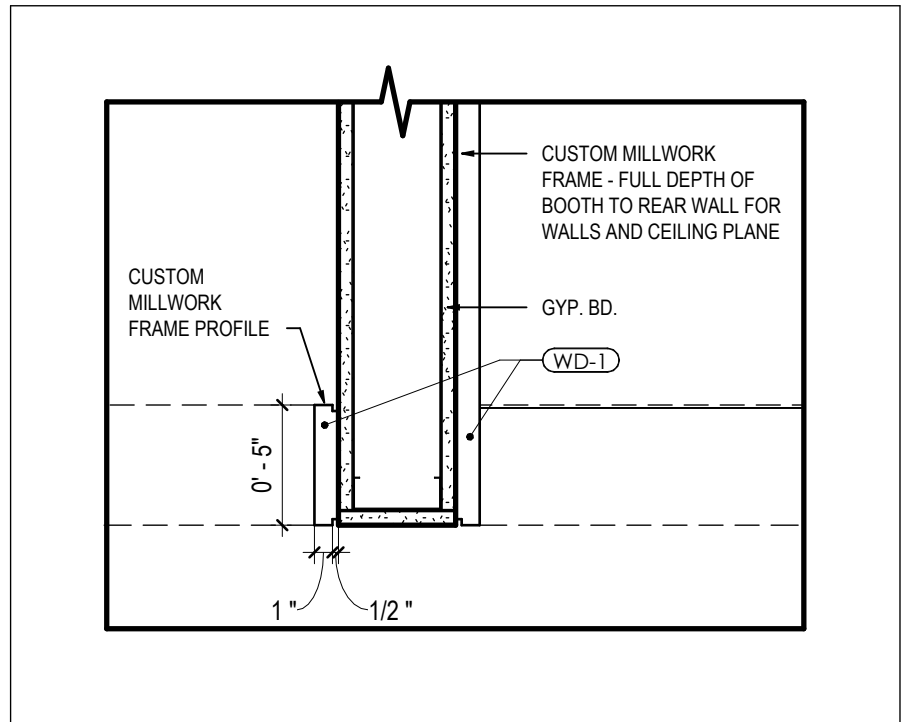
2 A430
A430
PRINTER / SUPPLY MILLWORK SECTION 1
SCALE: 1" = 1'-0"



3 A430
A430
PRINTER / SUPPLY MILLWORK SECTION 2
SCALE: 1" = 1'-0"



4 A430
A430
PHONE ROOM MILLWORK SECTION
SCALE: 1" = 1'-0"



5 A430
A430
CUSTOM MILLWORK FRAME PLAN DETAIL
SCALE: 1 1/2" = 1'-0"

FINISHES LEGEND

- | | | | |
|---------|--|---------|-----------------------------|
| (PF-1) | FIELD COLOUR (ALL LOCATIONS UNLESS NOTED OTHERWISE. DULUX DIAMOND OR EQUAL COLOUR AS SELECTED EGGSHELL FINISH) | (CAR-1) | CARPET TILE |
| (PF-2) | ACCENT COLOR 1 DULUX DIAMOND OR EQUAL COLOUR AS SELECTED EGGSHELL FINISH | (CAR-2) | CARPET - NOT USED |
| (PF-3) | ACCENT COLOR 2 DULUX DIAMOND OR EQUAL COLOUR AS SELECTED EGGSHELL FINISH | (LVT-1) | LVT FLOORING |
| (PT-DR) | DOOR AND DOOR FRAME PAINT DULUX DIAMOND OR EQUAL COLOUR AS SELECTED SEMI-GLOSS FINISH | (WD-1) | WOOD-LOOK PLASTIC LAMINATE |
| (PT-C) | CUSTOM GRAPHIC WALL PAINT (TBD.) | (PL-1) | PLASTIC LAMINATE |
| (RB-1) | RUBBER WALL BASE COLOUR AS SELECTED BY ARCHITECT TO MATCH WALLS | (PL-2) | PLASTIC LAMINATE |
| | | (AW-1) | ACOUSTIC WALL TILE 1 |
| | | (AW-2) | ACOUSTIC WALL TILE 2 |
| | | (CT-1) | COUNTER TOP FINISH |
| | | (CT-2) | WASHROOM COUNTER TOP FINISH |
| | | (TL-1) | KITCHEN WALL TILE |
| | | (TL-2) | WASHROOM WALL TILE |
| | | (TL-3) | FLOOR AND WALL TILE |
| | | (TR-1) | FLOORING TRANSITION |

NOTE: GENERAL CONTRACTOR TO ENSURE ADEQUATE BLOCKING IS PROVIDED IN WALLS WHERE REQUIRED TO SUPPORT WALL-HUNG ELEMENTS (TYP. FOR ALL MILLWORK, TVS, WHITEBOARDS, WASHROOM ACCESSORIES, ETC.). WHERE ADDITIONAL BLOCKING IS REQUIRED IN EXISTING WALLS, CONTRACTOR IS RESPONSIBLE FOR PATCHING WALL TO MAKE GOOD.

NOTE: ALIGN ALL WALL TILE JOINTS WITH FLOOR TILE AND BASEBOARD TILE JOINTS WHEREVER POSSIBLE.

KEY PLAN

	10	
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2026.05.13	5	TENDER
2026.05.12	4	CLIENT REVIEW SET 4
2026.05.05	3	CLIENT REVIEW SET 3
2026.04.29	2	CLIENT REVIEW SET 2
2026.04.09	1	CLIENT REVIEW SET 1
DATE		ISSUED

PROJECT NAME

BARRIE CITY HALL - FOURTH FLOOR RENOVATION

CLIENT



ARCHITECT

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SHEET TITLE

MILLWORK ELEVATIONS

PROJECT No. 23013 SCALE As indicated



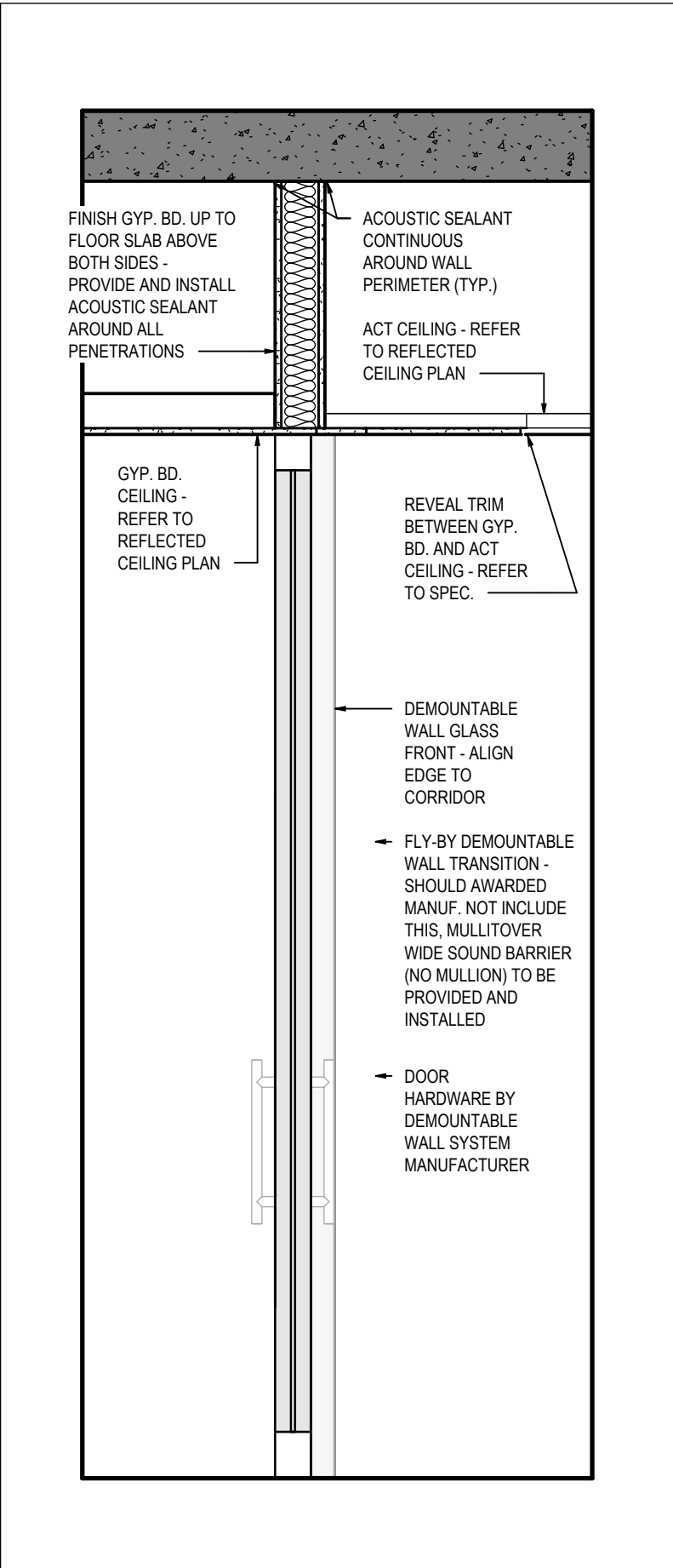
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CHECKED By: L.K.

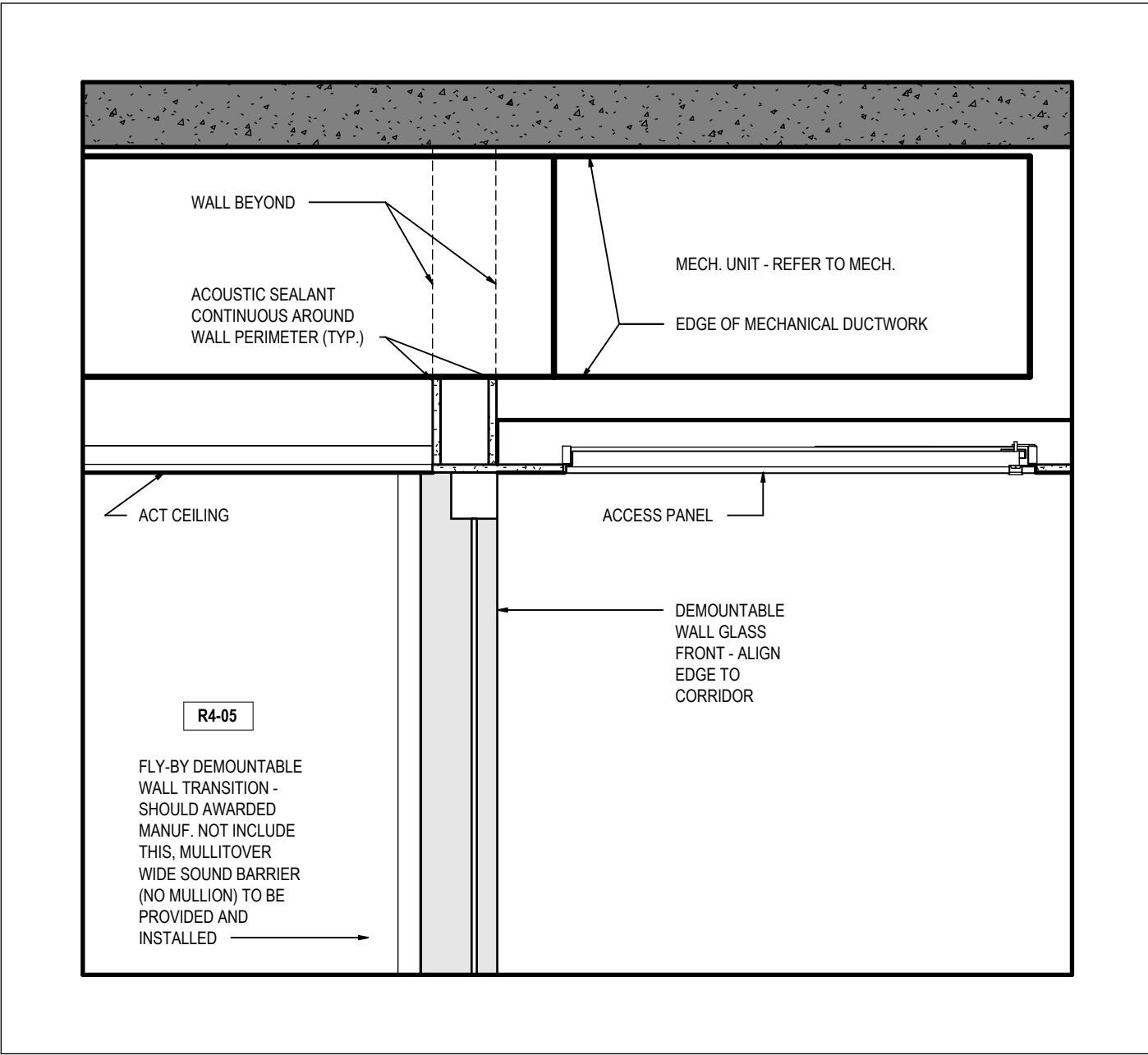
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A430

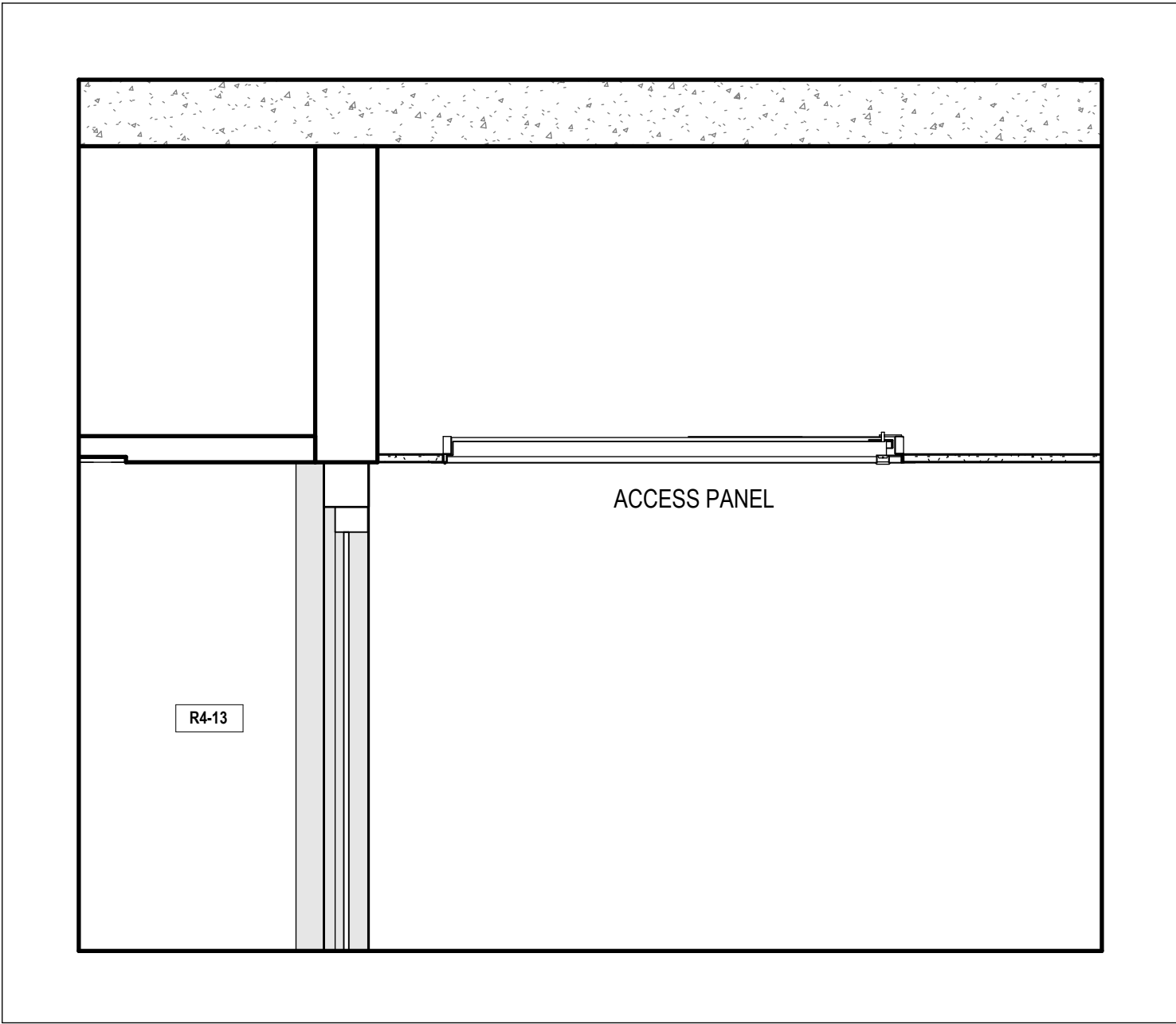
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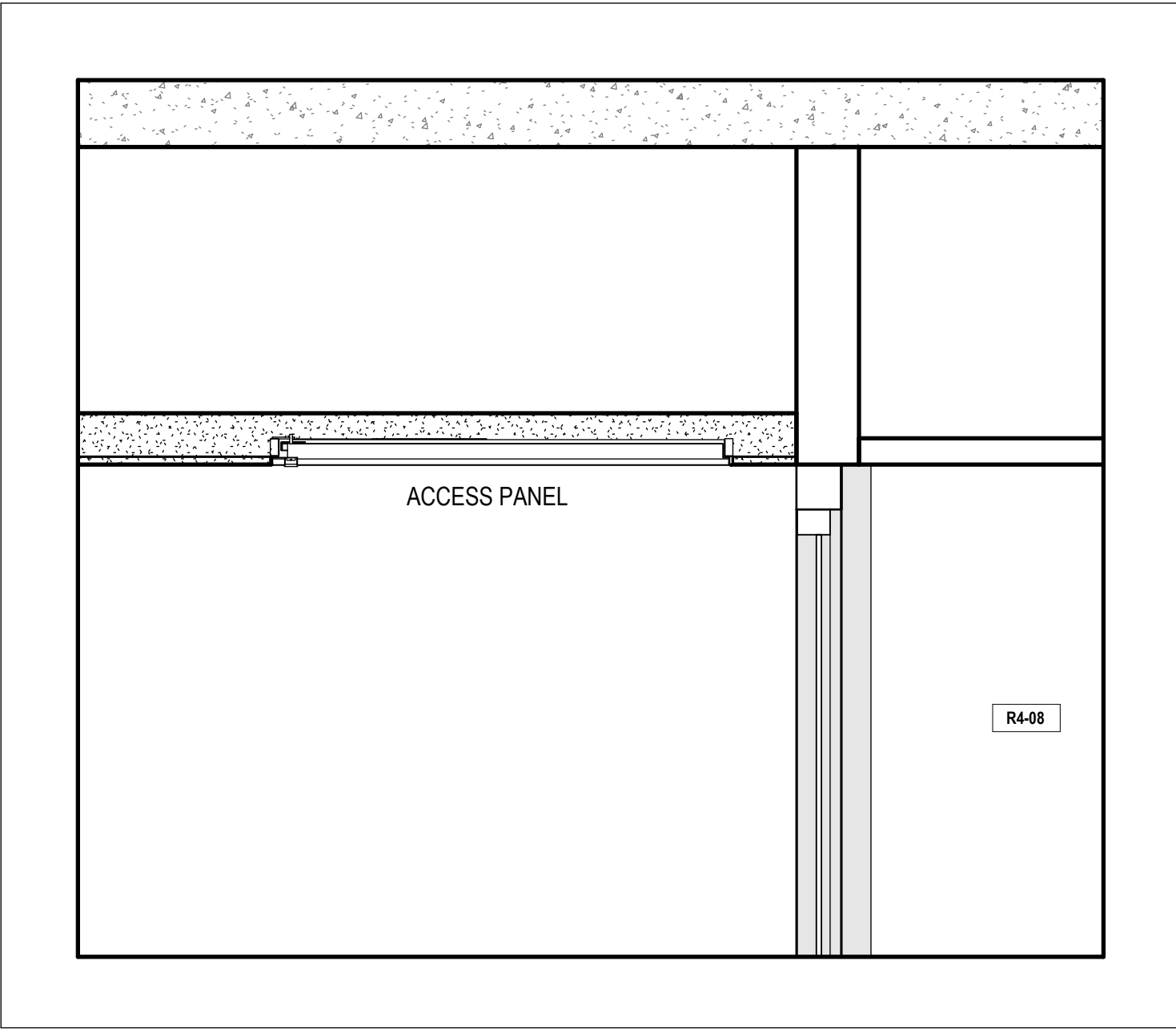
1 **A500** TYPICAL DEMOUNTABLE GLASS WALL SECTION
SCALE: 3/4" = 1'-0"



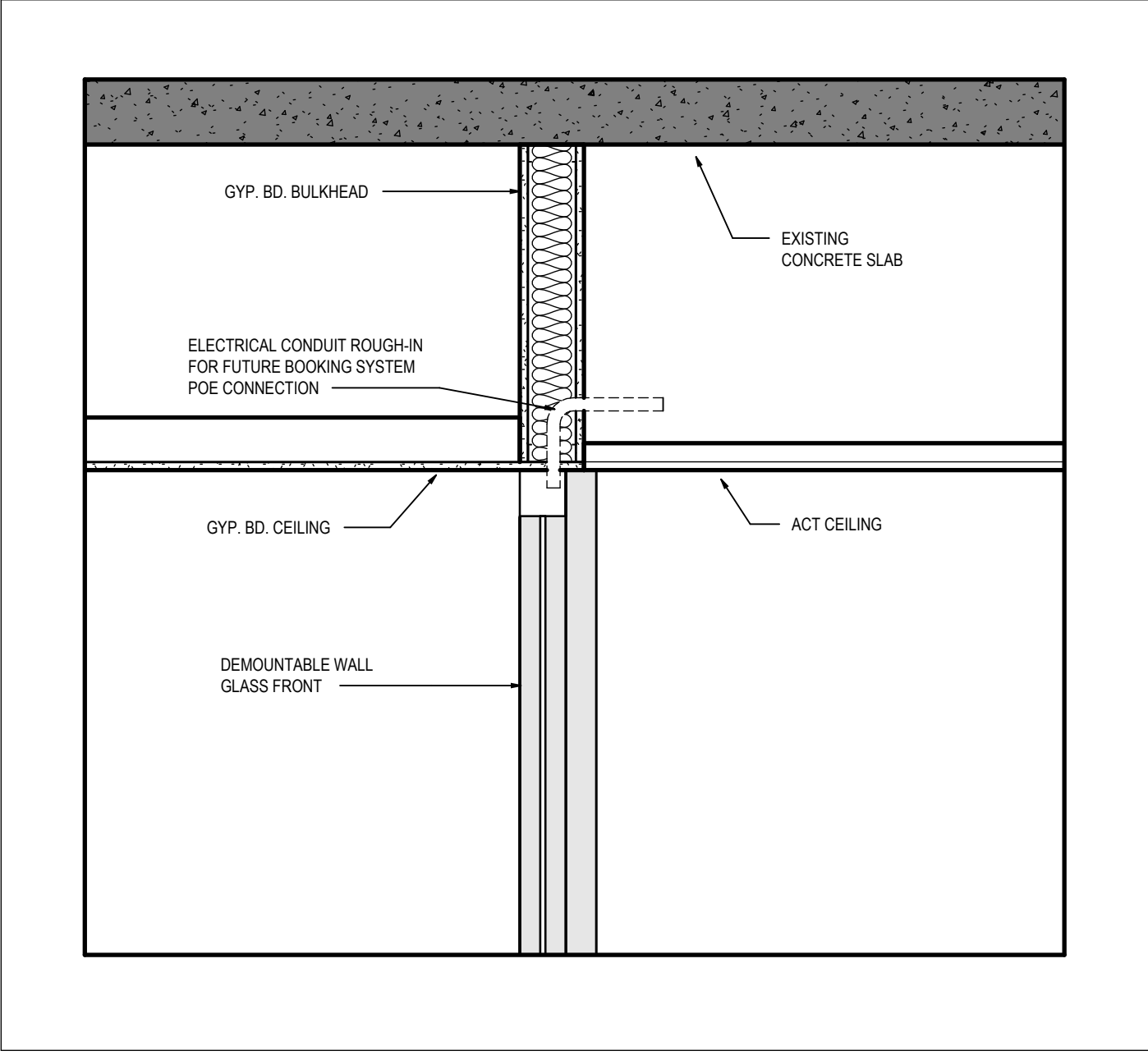
2 **A500** DEMOUNTABLE GLASS WALL & ACCESS PANEL CONDITION 1
SCALE: 1" = 1'-0"



3 **A500** DEMOUNTABLE GLASS WALL & ACCESS PANEL CONDITION 2
SCALE: 1" = 1'-0"



4 **A500** DEMOUNTABLE GLASS WALL & ACCESS PANEL CONDITION 3
SCALE: 1" = 1'-0"



5 **A500** DETAIL FOR FUTURE BOOKING SYSTEM ROUGH-IN
SCALE: 1" = 1'-0"

KEY PLAN

	10	
	9	
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	6	
2026.05.13	5	TENDER
2026.05.12	4	CLIENT REVIEW SET 4
2026.05.05	3	CLIENT REVIEW SET 3
2026.04.29	2	CLIENT REVIEW SET 2
2026.04.09	1	CLIENT REVIEW SET
DATE		ISSUED

PROJECT NAME
BARRIE CITY HALL - FOURTH FLOOR RENOVATION

CLIENT
Barrie

ARCHITECT

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SHEET TITLE

CONSTRUCTION DETAILS

PROJECT No.	23013	SCALE	As indicated
DRAWN By:	LK	CHECKED By:	EN
SHEET No.	A500		
	2026-05-13 3:33:15 PM		

[illegible]

PROJECT NAME
**BARRIE CITY HALL - FOURTH
FLOOR RENOVATION**

ARCHITECT

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SHEET TITLE

PROJECT No.	23013	SCALE	2" = 1'-0"
		DRAWN By:	LK
		CHECKED By:	EN
		SHEET No.	
		A501	
		2026-05-13 3:33:17 PM	

ELECTRICAL SPECIFICATION

GENERAL CONDITIONS

- THE CANADIAN STANDARD FORM OF CONSTRUCTION CONTRACT AND GENERAL CONDITIONS GOVERNING THE SAME CDC2 – 2020 STIPULATED PRICE CONTRACT PARTS 1 TO 13 INCLUSIVE ARE HEREBY MADE PART OF THIS SPECIFICATION.
- ALL WORK SHALL BE IN FULL ACCORDANCE WITH THE REQUIREMENTS OF THE 2021 ONTARIO ELECTRICAL SAFETY CODE, ELECTRICAL SAFETY AUTHORITY (ESA), AND THE LOCAL BUILDING INSPECTION DEPARTMENT REQUIREMENTS.
- ELECTRICAL CONTRACTOR SHALL INCLUDE FOR ESA INSPECTION FEES.
- THIS CONTRACTOR SHALL MAINTAIN LIABILITY INSURANCE AS REQUIRED.
- ALL WORKMANSHIP SHALL BE EXECUTED TO A STANDARD DETERMINED BY GOOD PRACTICE. THE ELECTRICAL CONTRACTOR SHALL GUARANTEE THE EQUIPMENT & INSTALLATION FOR ONE YEAR FROM THE DATE READY-FOR-TAKEOVER HAS BEEN ATTAINED.
- THE ELECTRICAL CONTRACTOR SHALL SUBMIT ONE SET OF ELECTRONIC PDF SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW. SHOP DRAWINGS TO INCLUDE ALL ELECTRICAL EQUIPMENT, DEVICES & ULC LISTED FIRE STOPPING DETAILS. MATERIALS **SHALL NOT BE ORDERED** UNTIL REVIEW HAS BEEN COMPLETED. APPROVAL IS FOR GENERAL DESIGN COMPLIANCE ONLY.
- THE OWNERS RESERVE THE RIGHT TO ALTER THE LOCATION OF ANY ITEM UP TO TEN FEET (3m) WITHOUT INCURRING EXTRA COSTS, PROVIDED THE REQUEST IS MADE PRIOR TO INSTALLATION.
- ALL MATERIAL AND EQUIPMENT USED ON THIS PROJECT SHALL BE C.S.A. APPROVED, ESA FIELD EVALUATED, OR MUST BEAR AN ESA RECOGNIZED CERTIFICATION MARK.
- CUTTING AND PATCHING FOR ELECTRICAL WORK SHALL BE DONE BY THE GENERAL CONTRACTOR AT THE ELECTRICAL CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE EXISTING CONDITIONS AND THEN MAKE NECESSARY ALLOWANCES IN THEIR TENDER PRICE FOR REMOVAL, RELOCATION, REROUTING AND/OR RECONNECTION OF EXISTING ELECTRICAL EQUIPMENT AND WIRING, AS MAY BE NECESSARY FOR THE EXECUTION AND COMPLETION OF THIS PROJECT. EXTRA CHARGES FOR PREMIUM TIME LABOUR SHALL BE INCLUDED IN THE TENDER PRICE, ALLOWING FOR AFTER HOURS, WEEKEND AND HOLIDAY LABOUR REQUIREMENTS.
- THE DRAWINGS AND SPECIFICATIONS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS. ANY DISCREPANCIES OR CONTRADICTIONS SHALL BE BROUGHT TO THE CONSULTANT'S ATTENTION.
- THE ELECTRICAL REQUIREMENTS OF ALL MECHANICAL EQUIPMENT **IS TO BE CONFIRMED** WITH MECHANICAL DRAWINGS & SCHEDULES PRIOR TO RELATED WORK.
- ALL TEMPORARY LIGHTING AND POWER DURING CONSTRUCTION SHALL BE BY THE GENERAL CONTRACTOR AFTER AGREEMENT WITH THE ELECTRICAL CONTRACTOR. POWER SHALL BE PROVIDED FROM PANELS WITH REQUIRED SUPPLY AND CAPACITY.
- REQUESTS FOR CONSIDERATION OF ALTERNATES SHALL BE IN ACCORDANCE WITH THE EQUIVALENCY PROCESS IN THE INVITATION TO TENDER ITT # FIN2025-1527 BARRIE CITY HALL – FOURTH FLOOR RENOVATION, SECTION B. MATERIAL DISCLOSURES AND SHALL INCLUDE MANUFACTURER, MODEL, AND COST MODIFICATION. COSTS OF ANY CHANGE REQUIRED TO OTHER TRADES AS A RESULT OF USING ALTERNATE EQUIPMENT ARE TO BE INCURRED BY THE ELECTRICAL CONTRACTOR.
- ALL CLAIMS FOR EXTRA WORK NOT COVERED IN THE CONTRACT TO BE SUBMITTED WITH A COMPLETE BREAKDOWN OF MATERIALS AND LABOUR.
- DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS ARE TO BE TAKEN FROM THE ARCHITECTURAL DRAWINGS AND CONFIRMED ON SITE.
- PROVIDE FIRE STOPPING PROTECTION FOR OPENINGS THROUGH ALL FIRE RATED ASSEMBLIES. ULC LISTED ASSEMBLY NUMBERS ARE TO BE USED.
- LOW VOLTAGE CABLES (IE: NETWORK, SECURITY, CONTROL, ETC...) ROUTED WITHIN PLENUM SPACES SHALL BE FT6, CMP OR PLENUM RATED WHEN ROUTING THROUGH MECHANICAL CEILING PLENUMS.

MOUNTING HEIGHTS

- DEVICE MOUNTING HEIGHT TO CENTRE OF DEVICE IS AS FOLLOWS:
 - LIGHT SWITCHES 1090mm (or 1200mm IN SERVICE ROOMS)
 - RECEPTACLE 400mm
 - DATA OUTLETS 400mm
 - THERMOSTATS 1400mm (or 1200mm BARRIER FREE PATH OF TRAVEL)
 - POWER DOOR OPERATORS 1000mm
 - FIRE ALARM HORN/STROBE 2300mm
 - FIRE ALARM MANUAL PULL STATION 1150mm
 - FIRE ALARM END OF LINE RESISTORS 1700mm
 - OTHER BUILDING CONTROLS 1000mm
- NOTE: AUDIBLE FIRE ALARM DEVICES TO BE AT LEAST 150mm BELOW CEILING.

ELECTRICAL EQUIPMENT, DEVICES & MATERIAL

- ALL EQUIPMENT, DEVICES & MATERIAL TO BE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS.
- ALL BRANCH CIRCUIT WIRING SHALL BE RUN IN ELECTRICAL METALLIC TUBING (E.M.T.) OR FLEXIBLE ARMoured CABLE (AC90) RECESSED IN WALLS OR CEILINGS EXCEPT WHERE SPECIFICALLY NOTED ON THE PLANS. ALL WIRING TO BE COPPER AND MINIMUM #12 AWG UNLESS STATED OTHERWISE.
- ALL SURFACE WIRING SHALL BE T90/RW90 COPPER IN EMT CONDUIT WHERE WIRING AND CONDUIT CANNOT NOT BE RECESSED.
- ALL ELECTRICAL DEVICES AND LIGHTING CONTROLS, TO HAVE **TYPED CIRCUIT LABEL** ON DEVICE COVER PLATE. LABEL TO BE BLACK LETTERING ON CLEAR BACKING.
- ELECTRICAL PANELS TO HAVE BOLT ON CIRCUIT BREAKERS. ALL PANELS TO HAVE HINGED LOCKABLE PANEL COVERS. PANELS SHALL HAVE TYPED DIRECTORIES.
- ALL NON-RESIDENTIAL EQUIPMENT (PANELS, SWITCHBOARDS, SPLITTERS, TRANSFORMERS, ETC...) TO HAVE LAMACODI LABEL INDICATING: EQUIPMENT ID, VOLTAGE, PHASE/WIRE, AND "SUPPLIED FROM: EQUIPMENT ID".
- ALL JUNCTION AND PULL BOXES ARE TO BE ACCESSIBLE AND BE PROVIDED WITH SCREWED PLATES COLOUR MATCHED TO ADJACENT WALL OR CEILING FINISHES.
- PULL BOXES SHALL BE PROVIDED EVERY 30m AND EVERY THREE 90° BENDS.
- ALL WIRING SHALL BE PARALLEL WITH ARCHITECTURAL LINES AND DESIGN.
- PROVIDE A NYLON PULL STRING IN ALL EMPTY CONDUIT.
- ALL NEW SWITCH AND RECEPTACLE DEVICES & PLATES SHALL BE WHITE. ALL DEVICES TO BE COMMERCIAL GRADE DECORA SERIES OR EQUAL UNLESS OTHERWISE STATED.
- DO NOT MOUNT WALL OUTLETS BACK TO BACK IN WALLS, STAGGER TO PREVENT SOUND TRANSFER.
- WIRING TO FIXTURES IN SUSPENDED CEILINGS IS TO CONSIST OF AC90 'DROPS' WITH A MAXIMUM LENGTH OF 4.5m (15 FT) AND T90 WIRING IN EMT CONDUIT BACK TO SOURCE PANEL.
- ALL CONDUITS TO BE SECURELY FASTENED WITH APPROVED CLIPS AND SCREWS. NAILS OR TIE WIRES ARE NOT ACCEPTABLE.
- ALL ELECTRICAL EQUIPMENT, DEVICES, AND WIRING ARE TO BE INDEPENDENTLY SUPPORTED. KEEP CLEAR OF MECHANICAL PIPING WHERE POSSIBLE.
- WIRING FOR MECHANICAL EQUIPMENT SHALL BE AS DETAILED ON THE PLANS.
- PROVIDE 21mm (3/4") CONDUIT RACEWAY BETWEEN MECHANICAL EQUIPMENT AND CONTROLS AS PER MECHANICAL AND ELECTRICAL PLANS.
- PROVIDE EQUIPOTENTIAL BONDING OF NON-ELECTRICAL EQUIPMENT AS PER OESC 10-700, AND WIRE MESH/REBAR SUPPORTING ELECTRICAL RADIANT HEATING CABLES. REFER TO MECHANICAL AND ARCHITECTURAL PLANS.

COMMUNICATION SYSTEM

- THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A COMPLETE EMPTY CONDUIT SYSTEM FOR COMMUNICATION OUTLETS AS SHOWN ON THE PLANS.
- PROVIDE CONDUIT AS PER LOW-VOLTAGE DEVICE SCHEDULE. CONDUIT TO BE METALLIC CONDUIT & FIRE STOPPED WHEN PENETRATING FIRE SEPARATIONS.
- PROVIDE NYLON PULL STRING IN ALL EMPTY CONDUITS.

LIGHTING

- SUPPLY AND INSTALL LIGHTING FIXTURES AND DEVICES AS NOTED ON THE PLANS AS PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
- INSTALL ALL FIXTURES PARALLEL WITH BUILDING LINES UNLESS INDICATED OTHERWISE.
- FOR RECESSED FIXTURES (LED PUCK LIGHTS EXEMPTED) WITHIN SUSPENDED CEILINGS, PROVIDE EITHER:
 - SAFETY 'JACK CHAIN' TO BUILDING STRUCTURE, OR
 - MANUFACTURER APPROVED FASTENING DEVICES OR 'EARTHQUAKE CLIPS' FASTENED TO T-BAR.
- INSTALL A SEPARATE NEUTRAL CONDUCTOR FOR EACH LIGHTING BRANCH CIRCUIT.
- LIGHTING CONTROL WIRING NOT RUN WITHIN CONDUIT SHALL BE PLENUM RATED (FT6).

FIRE ALARM

- GENERAL:
- FIRE ALARM WIRING SHALL BE MINIMUM #18 AWG 300V FAS CABLE (WIRING TO BE SIZED BY FIRE ALARM VENDOR FOR VOLTAGE DROP) RUN AS FOLLOWS:
 - EXPPOSED WALL: SURFACE WALL WIRING SHALL BE FAS WIRING IN SURFACE METAL WIREMOLD PAINTED TO MATCH WALL WHERE WIRING AND CONDUIT CANNOT BE RECESSED.
 - ACCESSIBLE CEILING SPACES, CONCEALED SPACES, FINAL DEVICE CONNECTIONS: ARMoured FAS CABLE
 - EXPPOSED CEILING, RISER CLOSETS, SERVICE ROOMS: FAS WIRING IN EMT CONDUIT.
 - BELOW GRADE: FAS WIRING IN CONCRETE ENCASED PVC CONDUIT.
 - COMMISSIONINGS OF LIFE SAFETY SYSTEMS **SHALL BE INCLUDED** IN ELECTRICAL CONTRACTORS PRICE.
 - FIRE ALARM SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH CAN/ULC-5524:2019, "INSTALLATION OF FIRE ALARM SYSTEMS".
 - FIRE ALARM SYSTEM SHALL BE VERIFIED IN CONFORMANCE WITH CAN/ULC-5537:2019, "VERIFICATION OF FIRE ALARM SYSTEMS" BY A THIRD PARTY (ARMS LENGTH).
 - ANNUNCIATOR PANEL TO BE UPDATED WITH NEW ZONES LABELS.
 - IF A FIRE ALARM OR VOICE COMMUNICATION SYSTEM OR ANY PART THEREOF IS SHUT DOWN:
 - THE **FIRE DEPARTMENT AND BUILDING OCCUPANTS** SHALL BE NOTIFIED, AND
 - IF APPLICABLE THE SUPERVISORY STAFF SHALL BE NOTIFIED, AND
 - POST NOTICES ON ALL FLOORS BY ELEVATORS AND AT ENTRANCES, STATING THE SCOPE OF WORK AND WHEN IT IS EXPECTED TO BE COMPLETED.
 - HAVE STAFF OR OTHER RELIABLE PERSON(S) PATROL THE AFFECTED AREA(S) AT LEAST ONCE EVERY HOUR. REFER TO CAN/ULC-5537:2019(18) APPENDIX B - ALTERNATE MEASURES FOR OCCUPANT FIRE SAFETY.
 - WHERE EXISTING, UNLESS NOTED OTHERWISE, FIRE ALARM TO BE KEPT. THE ELECTRICAL CONTRACTOR TO INCLUDE ALL COSTS ASSOCIATED WITH RELOCATION OF ANY DEVICES OR EQUIPMENT.
 - NEW LIFE SAFETY DEVICES SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM. WHERE EXISTING ZONE CIRCUITS ARE USED TO FEED NEW DEVICES, CONTRACTOR TO CONFIRM EXISTING INITIATING AND ANNUNCIATING ZONE WIRING IS COMPLETE WITH A BOND WIRE PRIOR TO RELATED WORK.

EXISTING CONDITIONS

- ELECTRICAL WORK AFFECTING OTHER TENANTS SHALL BE PERFORMED AFTER BUSINESS HOURS (EVENINGS AND WEEKENDS). COORDINATE WITH LANDLORD.
- SERVICE AND DISTRIBUTION SYSTEM POWER INTERRUPTIONS SHALL BE KEPT TO A MINIMUM. POWER INTERRUPTIONS MUST BE COORDINATED WITH THE OWNER AND ALL OTHER TRADES BY THIS CONTRACTOR. WRITTEN APPROVAL FOR ELECTRICAL INTERRUPTIONS MUST BE RECEIVED FROM THE OWNER INDICATING THE DATE, TIME AND ESTIMATED DURATION OF THE INTERRUPTION. APPLICATION FOR APPROVAL OF THE POWER INTERRUPTIONS MUST BE SUBMITTED TO THE OWNERS AND/OR ARCHITECTS AT LEAST TWO WEEKS PRIOR TO THE REQUESTED SHUTDOWN DATE.
- EXISTING ELECTRICAL EQUIPMENT, REMOVED AND INDICATED FOR REUSE, SHALL BE CLEANED BEFORE RE-INSTALLATION.
- WIRING LOCATED IN AREAS BEING ALTERED OR DEMOLISHED, BUT FEEDING OUTLETS OR EQUIPMENT REQUIRED TO REMAIN IN SERVICE, MUST BE REWORKED IN ORDER TO MAINTAIN THE CONTINUITY OF THE EXISTING WIRING.
- REPAIRS TO EXISTING WALLS, FLOORS, AND CEILINGS ARE TO BE PERFORMED BY THE GENERAL CONTRACTOR TO MEET THE EXISTING CONDITIONS.
- SEQUENCE OF REMOVAL AND RELOCATION OF EXISTING EQUIPMENT AND WIRING SHALL BE COORDINATED WITH THE OTHER TRADES AND SHALL CONFORM TO THE REQUIREMENTS AND CONDITIONS OUTLINED.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION TO EXISTING WIRING AND EQUIPMENT THROUGHOUT THE PROJECT, PARTICULARLY WHERE WIRING AND ELECTRICAL EQUIPMENT HAVE BECOME EXPOSED TO MECHANICAL DAMAGE OR MOISTURE IN THE COURSE OF ALTERATIONS OR NEW CONSTRUCTION.
- NEW OUTLETS AND EQUIPMENT SHOWN IN THE SAME LOCATION AS EXISTING OUTLETS MAY BE FED THROUGH THE EXISTING CONDUITS/WIRING, PROVIDED THAT THEY ARE IN GOOD CONDITION AND ARE ACCEPTABLE TO THE ESA INSPECTION DEPARTMENT.

DEMOLITION

- ALL EXISTING ELECTRICAL EQUIPMENT, WIRING, AND ROUGH-IN DEVICES ARE TO BE REMOVED COMPLETE TO SUIT THE DEMOLITION AND RENOVATION OF THE SPACES. ALL EXISTING ELECTRICAL EQUIPMENT, NOT BEING REUSED, SHALL BECOME THE PROPERTY OF THE OWNER. ELECTRICAL CONTRACTOR SHALL PROPERLY DISPOSE OF EQUIPMENT NOT DESIRED BY OWNER .
- ALL DEVICES & EQUIPMENT MADE OBSOLETE SHALL BE REMOVED FROM THE CONSTRUCTION SITE.

GENERAL CLOSE OUT PROCEDURES

- DOCUMENTS:** ELECTRICAL CONTRACTOR TO SUBMIT:
 - FIRE ALARM SYSTEM ULC-5537:2019 VERIFICATION REPORT (INCLUDING DEVICE & AUDIBILITY REPORT).
 - ESA CERTIFICATE OF INSPECTIONS;
 - SIGNED COPY OF EMERGENCY LIGHTING TEST REPORT. EMERGENCY LIGHTING TEST REPORT TO INDICATE TOTAL RUNTIME OF EMERGENCY LIGHTING ONCE NORMAL POWER IS LOST FOR EACH BATTERY SYSTEM. (MINIMUM 30MIN @20MIN 1,200MIN AS PER OBC:3.2.7.4(1b))
- TRAINING:** ELECTRICAL CONTRACTOR SHALL PROVIDE TRAINING SESSIONS TO THE OWNER ON ALL MAJOR ELECTRICAL SYSTEMS.
- COMMISSIONING:** ALL MAJOR SYSTEMS ARE TO BE COMMISSIONED BY THE MANUFACTURERS REPRESENTATIVE INCLUDING FIRE ALARM, LIGHTING CONTROL SYSTEMS.
- FUNCTIONAL TESTING** (AT CONTRACTORS EXPENSE):
 - LIGHTING CONTROL SYSTEM TESTING SHALL INCLUDE OCCUPANCY SENSOR PLACEMENT, SENSITIVITY, AND CONTROL SETTING CALIBRATION. PROPERLY OPERATING OCCUPANCY SENSORS ARE TO TURN OFF LIGHTS WITHIN A REASONABLE PERIOD OF TIME IN UNOCCUPIED SPACES AND SHALL NOT ALLOW LIGHTS TO TURN ON UNLESS SPACE IS OCCUPIED. CONFIRM ALL TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF. COORDINATE WITH MECHANICAL, HVAC SYSTEM TO BE ON DURING TESTING.
 - LIGHTING CONTROL SYSTEM FUNCTIONAL TESTING IS TO BE PERFORMED BY THIRD PARTY REPRESENTATIVE AS PER ASHRAE-90.1-2013 9.4.3. TESTING CERTIFICATION IS TO BE INCLUDED IN CLOSE-OUT DOCUMENTS.
 - THE INTERCONNECTION OF LIGHTING CONTACTORS AND/OR CONTROL PANEL TO SECURITY SYSTEM OR TIMECLOCK TO BE TESTED TO ENSURE LIGHTING IS SHUT OFF WHEN SECURITY SYSTEM IS IN ARMED MODE OR TIMECLOCK INDICATES.
- RECORD DRAWINGS:** ELECTRICAL CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF ACTUAL INSTALLATION TO OWNERS WITHIN 30 DAYS OF SYSTEM ACCEPTANCE. DRAWINGS ARE TO INCLUDE SINGLE LINE DIAGRAM OF DISTRIBUTION SYSTEM; FLOOR PLANS SHOWING THE LOCATION OF DISTRIBUTION EQUIPMENT AND THE AREAS SERVED BY THAT EQUIPMENT; CHANGES TO LIGHTING, LIGHTING CONTROLS & CIRCUITING.

INSPECTIONS BY CONSULTANT

- CONTRACTOR SHALL NOTIFY CONSULTANTS WHEN INSPECTIONS ARE REQUIRED. ALLOW FOR MINIMUM OF THREE BUSINESS DAYS OF NOTICE PRIOR TO INSPECTION.
- INSPECTIONS ARE REQUIRED AT THE FOLLOWING MILESTONES:
 - DEVICE ROUGH-IN (PRIOR TO DRYWALL)
 - FINAL INSPECTION

7 All Sheet Notes	
#	NOTE

PANEL: PP-4

Location:
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 208/120 WYE
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 225 A
MCB Rating:

Notes:
Existing Federal Pioneer Stab-Iok 330-60

				A	B	C				
CKT	Circuit Description	Trip	Poles				Poles	Trip	Circuit Description	CKT
A-1	IT Cabinet Rec and Ef-1	15 A	1				1	15 A	Electrical Rm. Battery pack	A-2
A-3	Electrical Rm. Lights	15 A	1				1	15 A	Filing Area/Corridor Rec	A-4
A-5	Lighting Cct. 1	15 A	1				1	15 A	Open Office Rec	A-6
A-7	Lighting Cct. 2	15 A	1				1	15 A	Open Office Rec	A-8
A-9	Electrical Rm. Lights	15 A	1				1	15 A	Open Office Rec	A-10
A-11	Housekeeping Rec	20 A	1				1	15 A	Open Office Rec	A-12
A-13	Housekeeping Rec	20 A	1				1	15 A	Open Office Rec	A-14
A-15	Phone Rm. 017-018	15 A	1				1	20 A	Conference Rm. Rec 1	A-16
A-17	Phone Rm. 019-020	15 A	1				1	15 A	Conference Rm. Rec 2	A-18
A-19	Focus Rm. 011 Rec	15 A	1				1	15 A	Focus Rm. 005 Rec	A-20
A-21	Focus Rm. 012 Rec	15 A	1				1	15 A	Office 006 Rec	A-22
A-23	Focus Rm. 013 Rec	15 A	1				1	15 A	Meeting Rm. 007 Rec	A-24
A-25	Focus Rm. 014 Rec	15 A	1				1	15 A	Meeting Rm. 008 Rec	A-26
A-27	Focus Rm. 015 Rec	15 A	1				1	15 A	Meeting Rm. 009 Rec	A-28
A-29	Bottle Refilling Station	15 A	1				1	15 A	Copy/Print Counter Rec	A-30
A-31	Huddle Booths Cubicle Rec	15 A	1				1	15 A	Shredder Rec	A-32
A-33	The Hub Universal Recs	15 A	1				1	20 A	Copy/Print Machine Rec	A-34
A-35	Refridgerator	15 A	1				1	15 A	Library Rec 1	A-36
A-37	Dishwasher	15 A	1				1	15 A	Library Rec 2	A-38
A-39	Microwave Rec 1	20 A	1				1	15 A	Open Office Rec	A-40
A-41	Microwave Rec 2	20 A	1				1	15 A	Open Office Rec	A-42
A-43	Open Office Rec	15 A	1				1	15 A	Men's Washroom Hand dryer	A-44
A-45	Open Office Rec	15 A	1				1	15 A	Open Office Rec	A-46
A-47	Kitchen Counter Rec 1	20 A	1				1	15 A	Open Office Rec	A-48
A-49	Kitchen Counter Rec 2	20 A	1				1	15 A	Women's Washroom Hand dryer	A-50
A-51	Condensing Unit 1-6	15 A	2				2	15 A	BCM + BCS	A-52
A-53										A-54
A-55	Condensing Unit 7-12	15 A	2				2	15 A	Condensing Unit 13-19	A-56
A-57										A-58
A-59	Mitsubishi Monitor	15 A	1				1	15 A	Mitsubishi Monitor	A-60

Notes:
HATCH SHOWS EXISTING TO REMAIN

DEVICE/EQUIPMENT OPTIONS & TAGS

	SHEET NOTE LABEL - REFER TO SHEET NOTES
CL	CEILING MOUNT
FL	FLOOR MOUNT
GFI	DEVICE WIRED TO LOAD SIDE OF GFCI RECEPTACLE/BREAKER
RP	REPLACE EXISTING DEVICE WITH NEW DEVICE IN SAME LOCATION.
REL	RELOCATED DEVICE/EQUIPMENT. REWORK WIRING AS NEEDED. IF APPLICABLE PROVIDE NEW DEVICE BOX & CONNECTORS.

- NEW DEVICE/EQUIPMENT
- TO BE REMOVED
- EXISTING TO REMAIN

TYPICAL SYMBOL LINETYPE FOR DEVICES or EQUIPMENT

1 New, Removed, Existing

- RS-2 → EQUIPMENT TYPE ID (AS PER MECHANICAL EQUIPMENT SCHEDULE)
- A-4/6/8 → EQUIPMENT CIRCUIT
- @1800mm AFF → EQUIPMENT SPECIFIC DETAILS.
- EQUIPMENT SYMBOL (VARIES)

2 Tags - Mechanical Equipment

- 27S → DEVICE TYPE ID (AS PER LOW VOLTAGE DEVICE SCHEDULE)
- TV@1800mm → DEVICE SPECIFIC MOUNTING INSTRUCTIONS
- DEVICE SYMBOL (VARIES)

DEVICES WITH UNIQUE SYMBOL & TYPE MAY NOT HAVE A TYPE ID. DEVICES MOUNTED BESIDE COUNTER HEIGHT ELECTRICAL DEVICES ARE TO ALSO BE MOUNTED AT COUNTER HEIGHT.

3 Tags - Low Voltage Devices

- RS-2 → DEVICE TYPE ID (AS PER ELECTRICAL DEVICE SCHEDULE)
- A-4 → DEVICE CIRCUIT
- TV@1800mm → DEVICE SPECIFIC DETAILS
- DEVICE SYMBOL (VARIES)

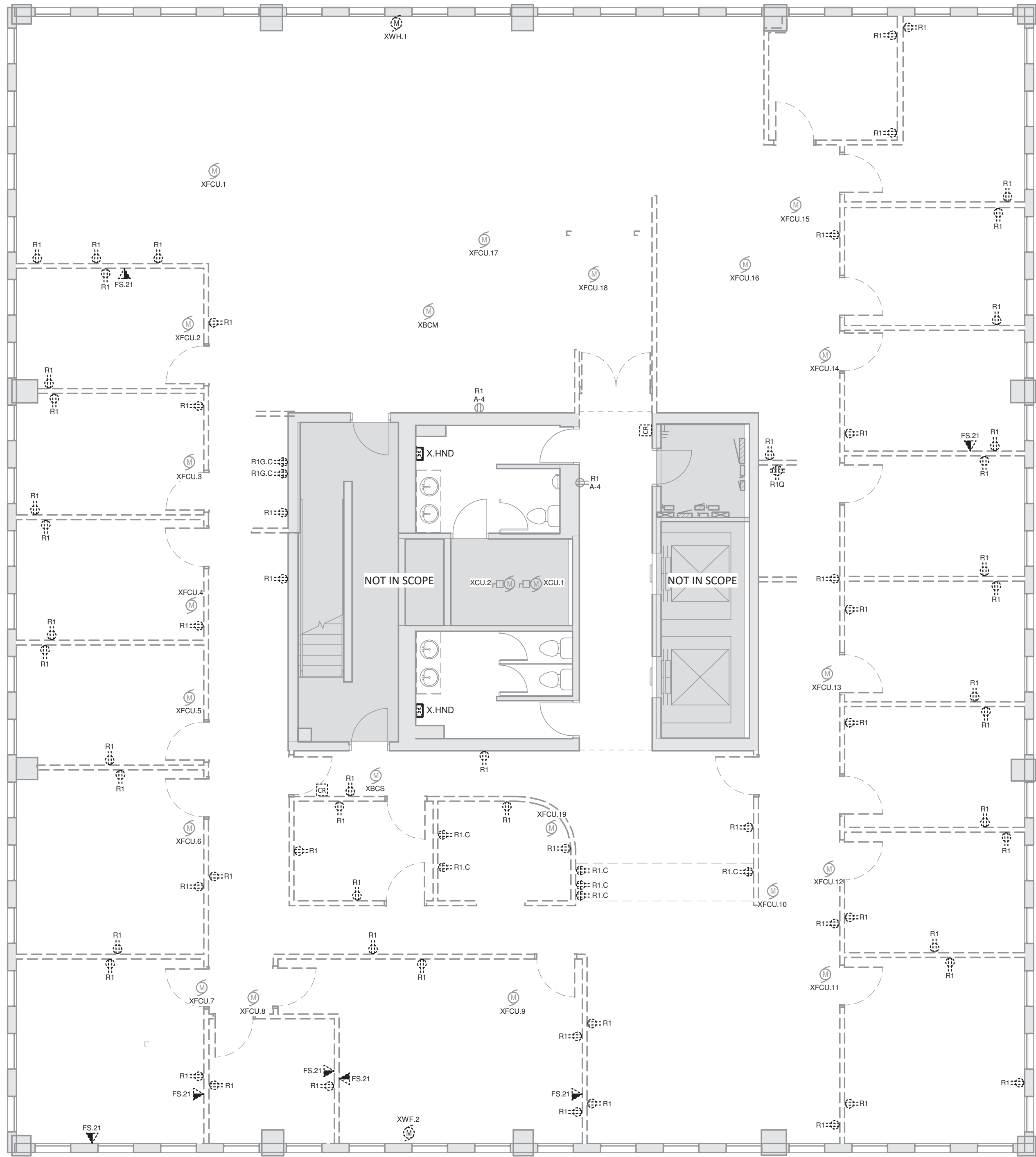
4 Tags - Electrical Devices

- V1 → DEVICE TYPE ID (AS PER LIGHTING CONTROL DEVICE SCHEDULE)
- (Z1,Z) → LIGHTING CONTROL ZONE ID
- 0-10V → 0-10V WIRING REQUIRED BETWEEN CONTROL DEVICE AND ALL LIGHTING FIXTURES WITHIN THE SAME CONTROL ZONE.
- A-4 →
- CIRCUIT # USED FOR ZONE
- DEVICE SYMBOL (VARIES)

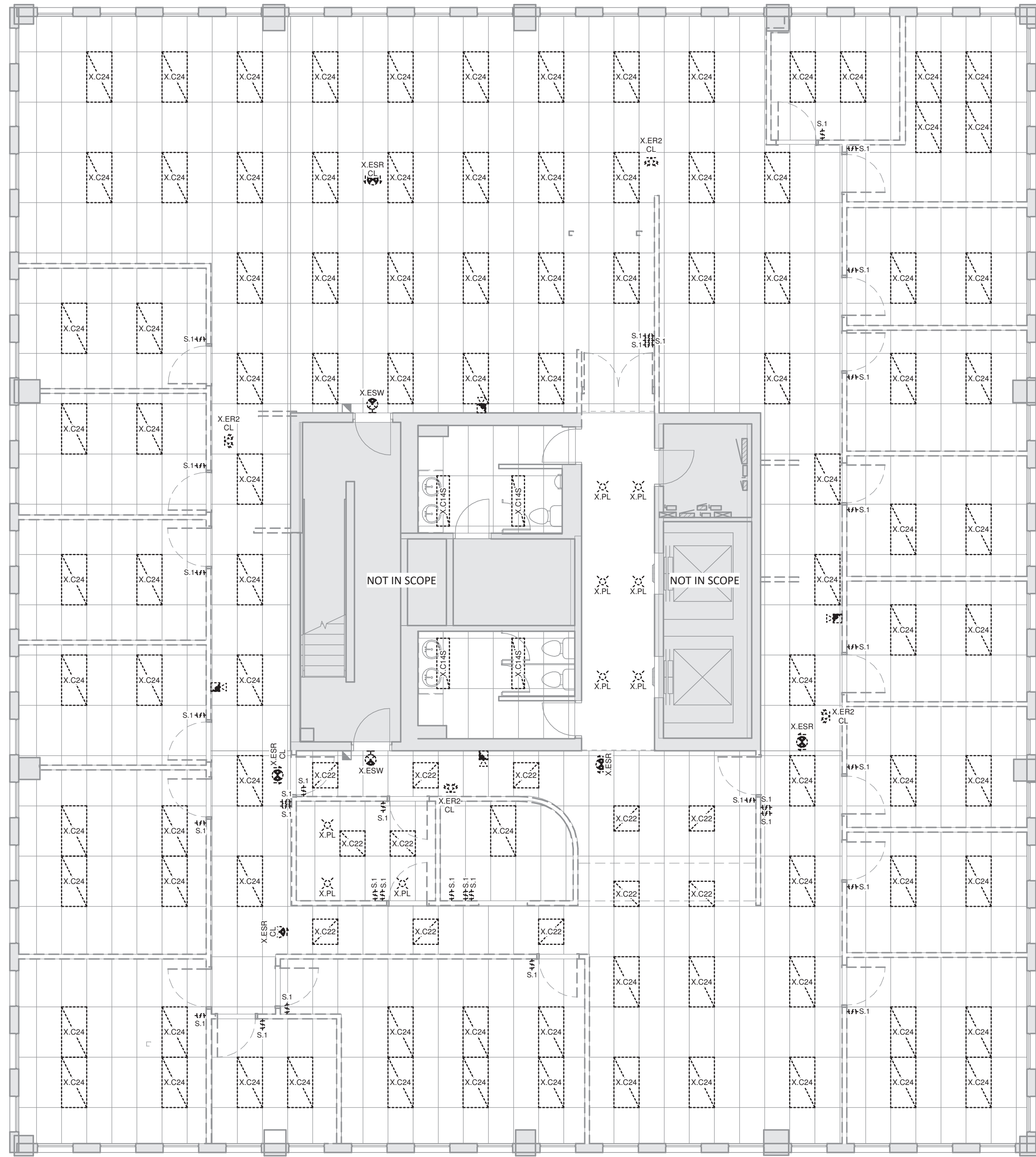
5 Tags - Lighting Devices

ELECTRICAL LEGEND

SCHEDULE (x = TYPE)	EXISTING	DEMO	NEW	DESCRIPTION
LIGHTING DEVICE SCHEDULES	\$	\$	\$ _x	LIGHT SWITCH
			_x	DIMMER SWITCH
			_x	LIGHTING MOTION SENSOR
			_x	LIGHTING POWER PACK
			_x	LIGHTING TIME CLOCK
			_x	LIGHTING CONTACTOR
LIGHTING FIXTURE SCHEDULES			_x	EXIT SIGN, CEILING MOUNT, HATCH = SIGN, ARROW = DIRECTION
			_x	EXIT SIGN, WALL MOUNT, HATCH = SIGN, ARROW=DIRECTION
			_x	EXIT / EMERG COMBO, WALL MOUNT, HATCH=SIGN, ARROW=DIRECTION
			_x	EMERGENCY LIGHT, BATTERY UNIT
			_x	EMERGENCY LIGHT, REMOTE HEAD
			_x	LIGHTING FIXTURE
ELECTRICAL EQUIPMENT SCHEDULES			_x	WALL MOUNTED LIGHTING FIXTURE
			_x	LIGHTING FIXTURE
			_x	NIGHT LIGHTING FIXTURE
			_x	LIGHTING JUNCTION BOX
			_x	ELECTRICAL POWER PANEL
			_x	ELECTRICAL DISCONNECT (FUSED OR UNFUSED)
MECHANICAL EQUIPMENT SCHEDULES			_x	ELECTRICAL EQUIPMENT - MISCELLANEOUS
			_x	MECHANICAL EQUIPMENT CONTROL
			_x	MECHANICAL EQUIPMENT - HARDWIRE CONNECTION
			_x	MECHANICAL EQUIPMENT c/w LOCAL DISCONNECT
			_x	MECHANICAL EQUIPMENT - DUPLEX RECEPTACLE 15A
			_x	MECHANICAL EQUIPMENT - DUPLEX RECEPTACLE 20A
ELECTRICAL DEVICE SCHEDULES			_x	#6 AWG CU TO BUILDING GROUND
			_x	HARDWIRE CONNECTION
			_x	DUPLEX RECEPTACLE 15A
			_x	DUPLEX RECEPTACLE 15A - COUNTER (100mm ABOVE BACKSPASH)
			_x	DUPLEX RECEPTACLE 20A
			_x	DUPLEX RECEPTACLE 20A - COUNTER (100mm ABOVE BACKSPASH)
LOW-VOLTAGE DEVICE SCHEDULES			_x	SPECIAL RECEPTACLE
			_x	QUAD RECEPTACLE 15A, 2-GANG, TWO DUPLEX 15A
			_x	QUAD RECEPTACLE 20A, 2-GANG, TWO DUPLEX 20A
			_x	FLOOR BOX
			_x	BASE POWER FURNITURE FEED
			_x	POWER JUNCTION BOX
FIRE ALARM DEVICE SCHEDULES			_x	DATA OUTLET
			_x	COMMUNICATION BACKBOARD - PLYWOOD GOOD ONE SIDE
			_x	CARD READER/FOB
			_x	SECURITY CAMERA
			_x	FIRE



1 Demo - 4th Floor - Power & Data Plan
1 : 75



2 Demo - 4th Floor - Lighting & Life-Safety
1 : 75

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DRAWINGS ARE NOT TO BE SCALED.



6	Issued for Permit/Tender	May 12, 2026
5	Issued for Procurement Changes R1	May 12, 2026
4	Issued for Client Review Set 3	May 05, 2026
3	Issued for Client Review Set 2	Apr 29, 2026

NO.	DESCRIPTION	DATE
REVISION SCHEDULE		



1920 YONGE ST, SUITE 200
TORONTO, ON, M4S 3E2

PROJECT NAME

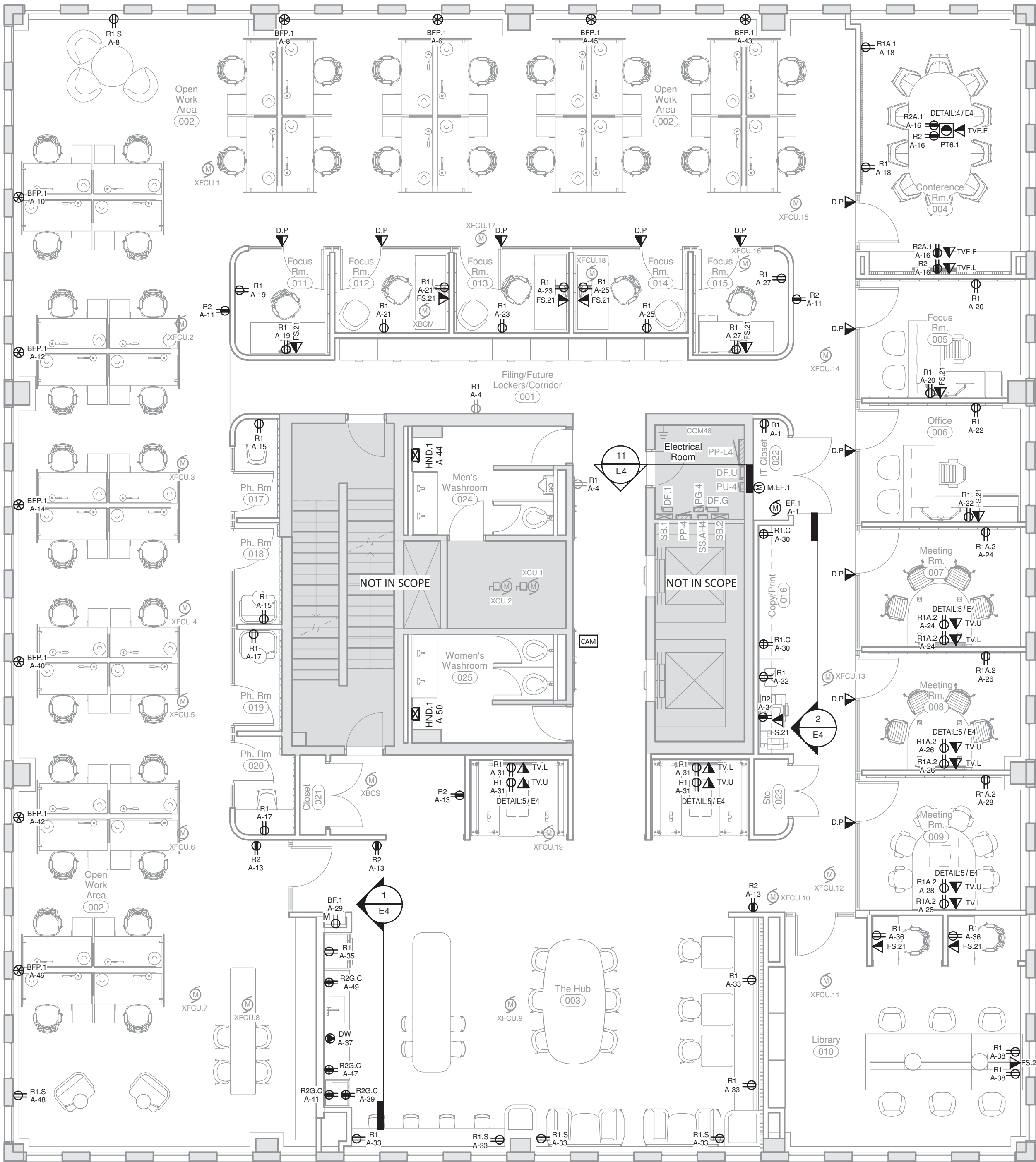
Barrie City Hall - 4th Floor

70 Collier Street,
Barrie, ON

DRAWING TITLE

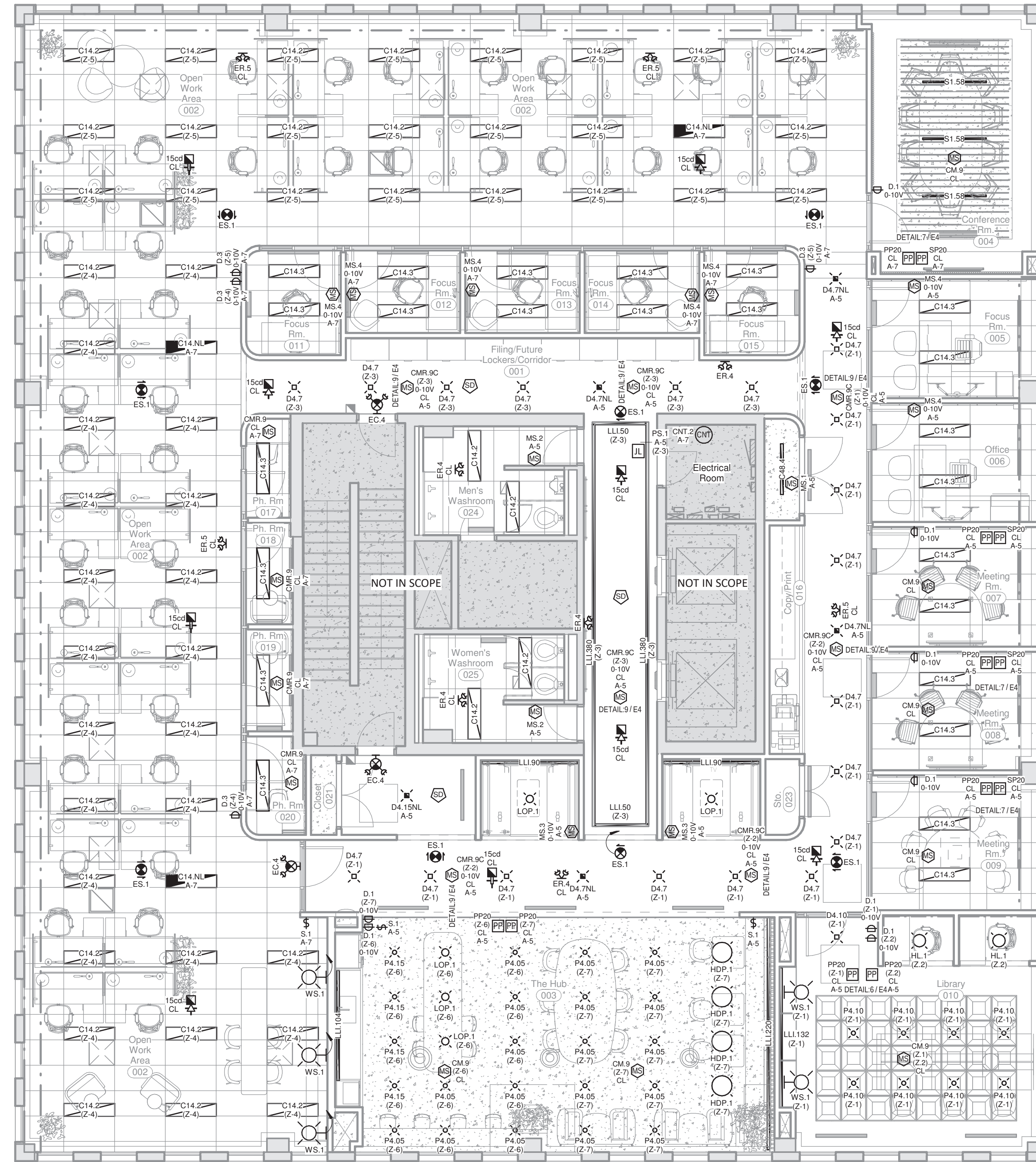
Demo - Electrical Plan

SCALE	DRAWING NUMBER
1 : 75	E2
SHEET SIZE	
24"x36"	
PROJECT NUMBER	DESIGNER
24143	SSA



1 Proposed - 4th Floor - Power & Data Plan
1 : 75

NOTE:
• WALL LIGHT LOCATIONS TO BE CONFIRMED WITH OWNER AND CONSULTANT PRIOR TO INSTALL / ROUGH-IN



2 Proposed - 4th Floor - Lighting & Life-Safety
1 : 75

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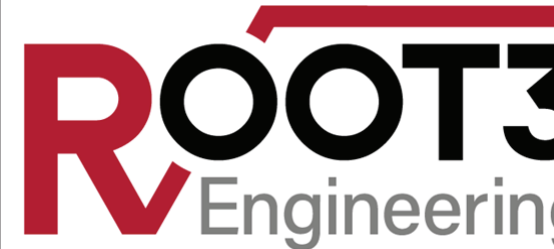
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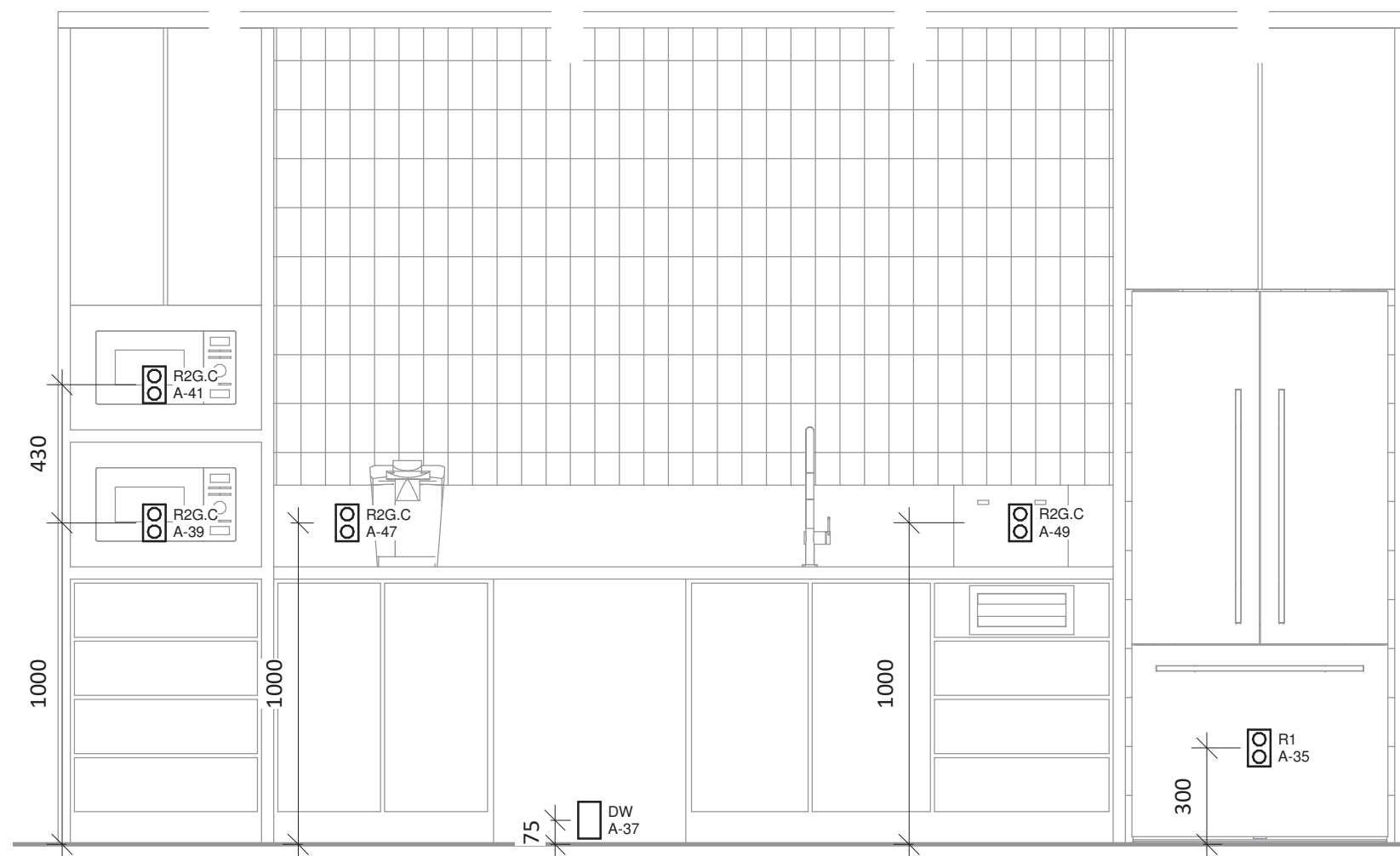


1920 YONGE ST, SUITE 200
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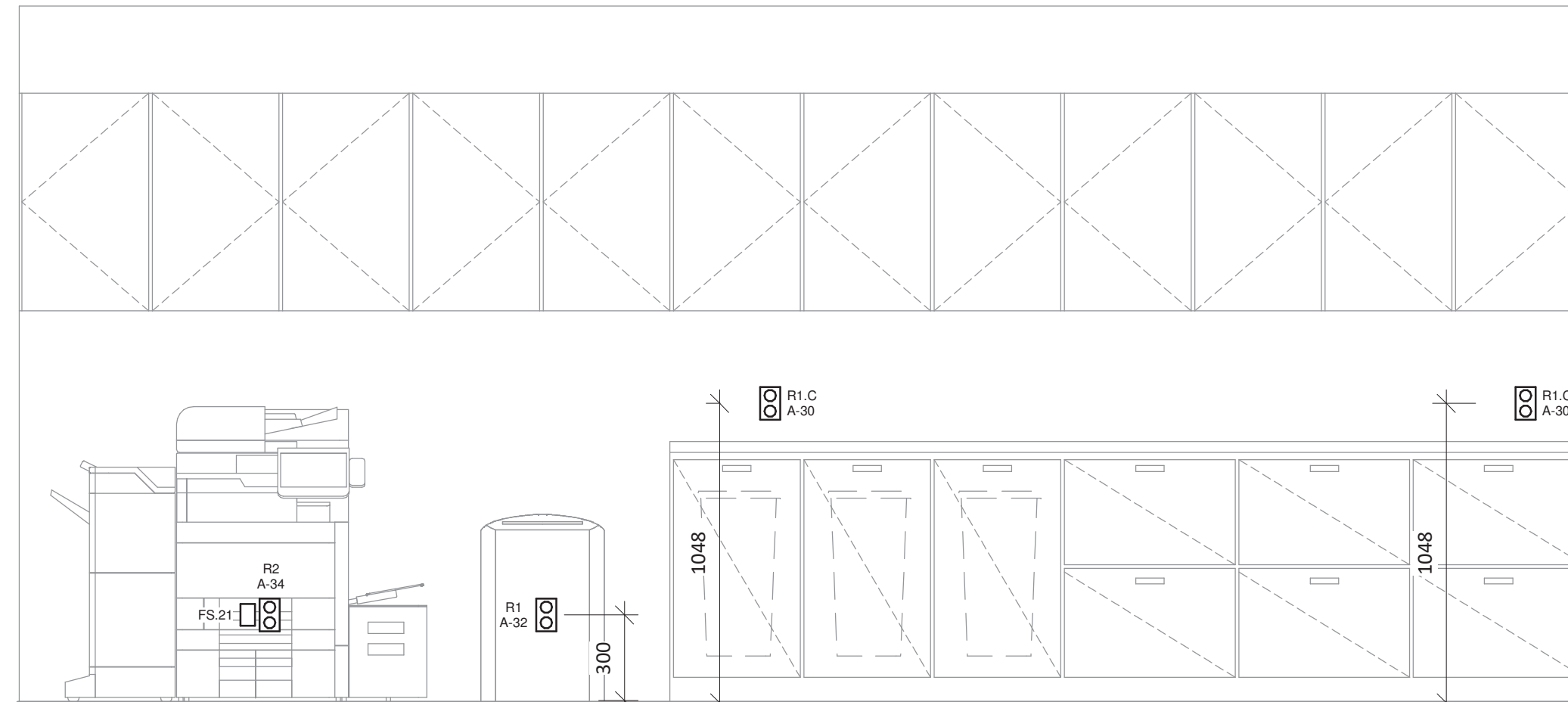
PROJECT NAME
Barrie City Hall - 4th Floor
70 Collier Street,
Barrie, ON

DRAWING TITLE
Electrical Plan

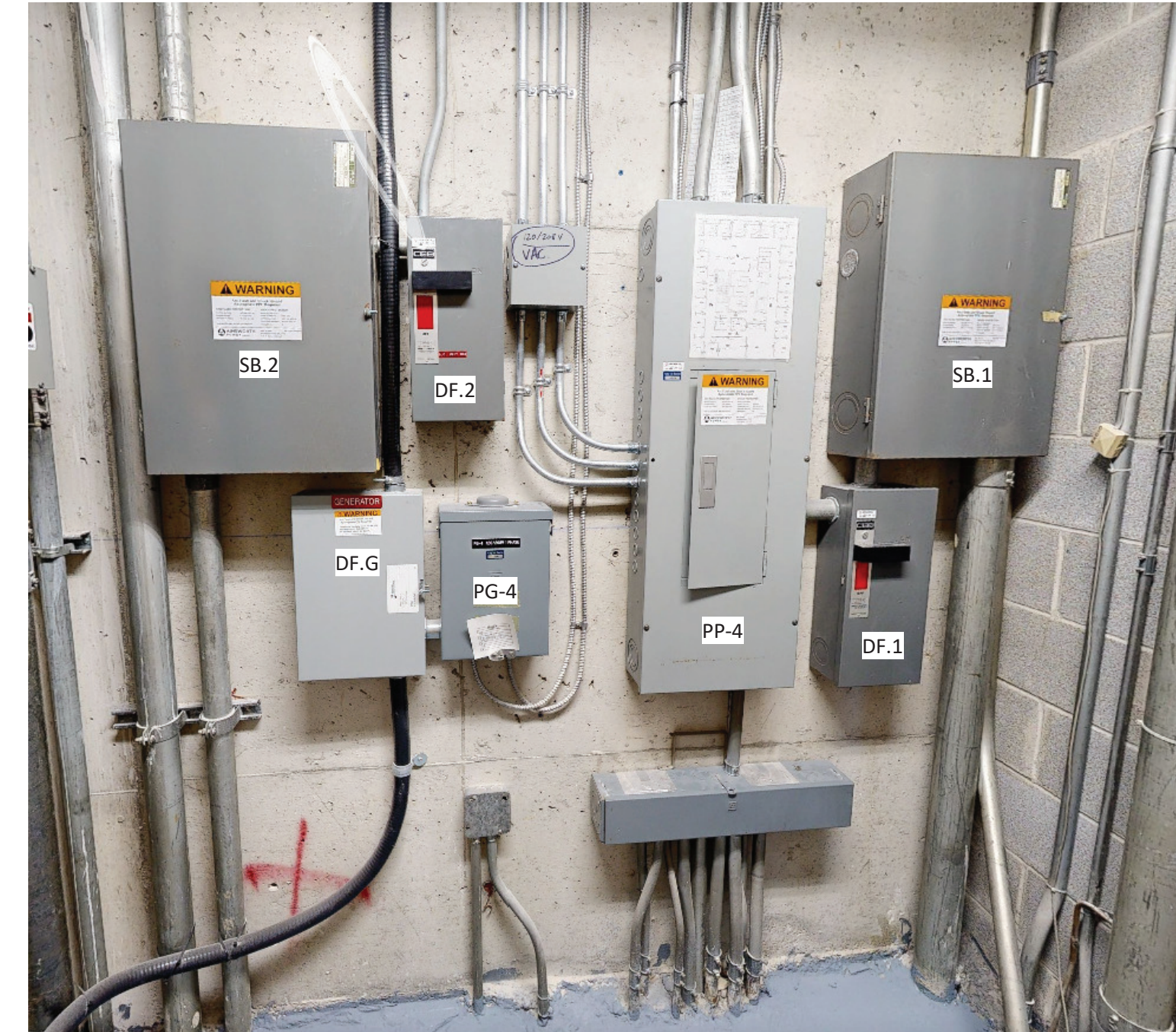
SCALE 1 : 75	DRAWING NUMBER E3
SHEET SIZE 24"x36"	
PROJECT NUMBER 24143	
	DESIGNER SSA



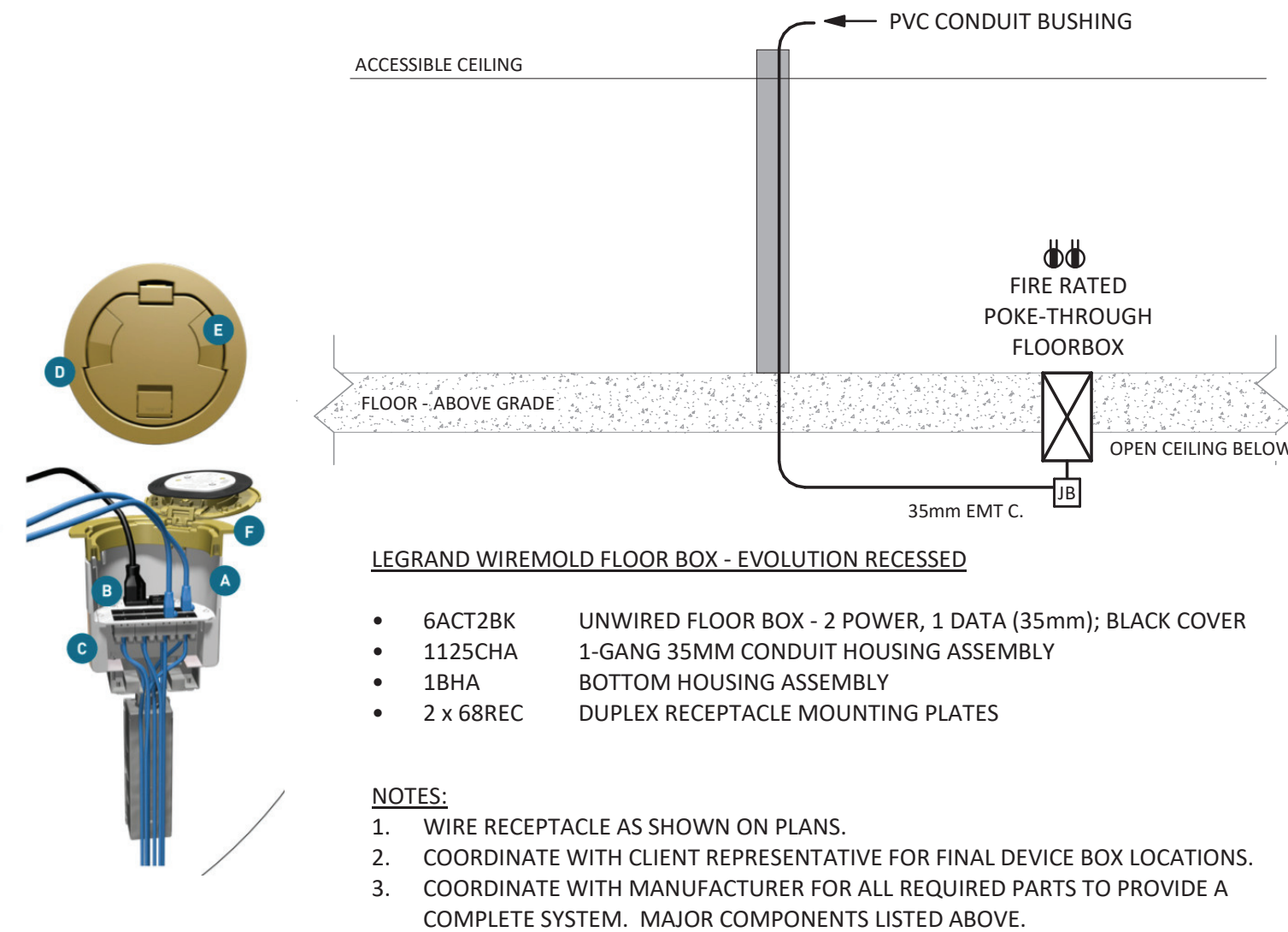
1 Lunchroom Millwork
1 : 20



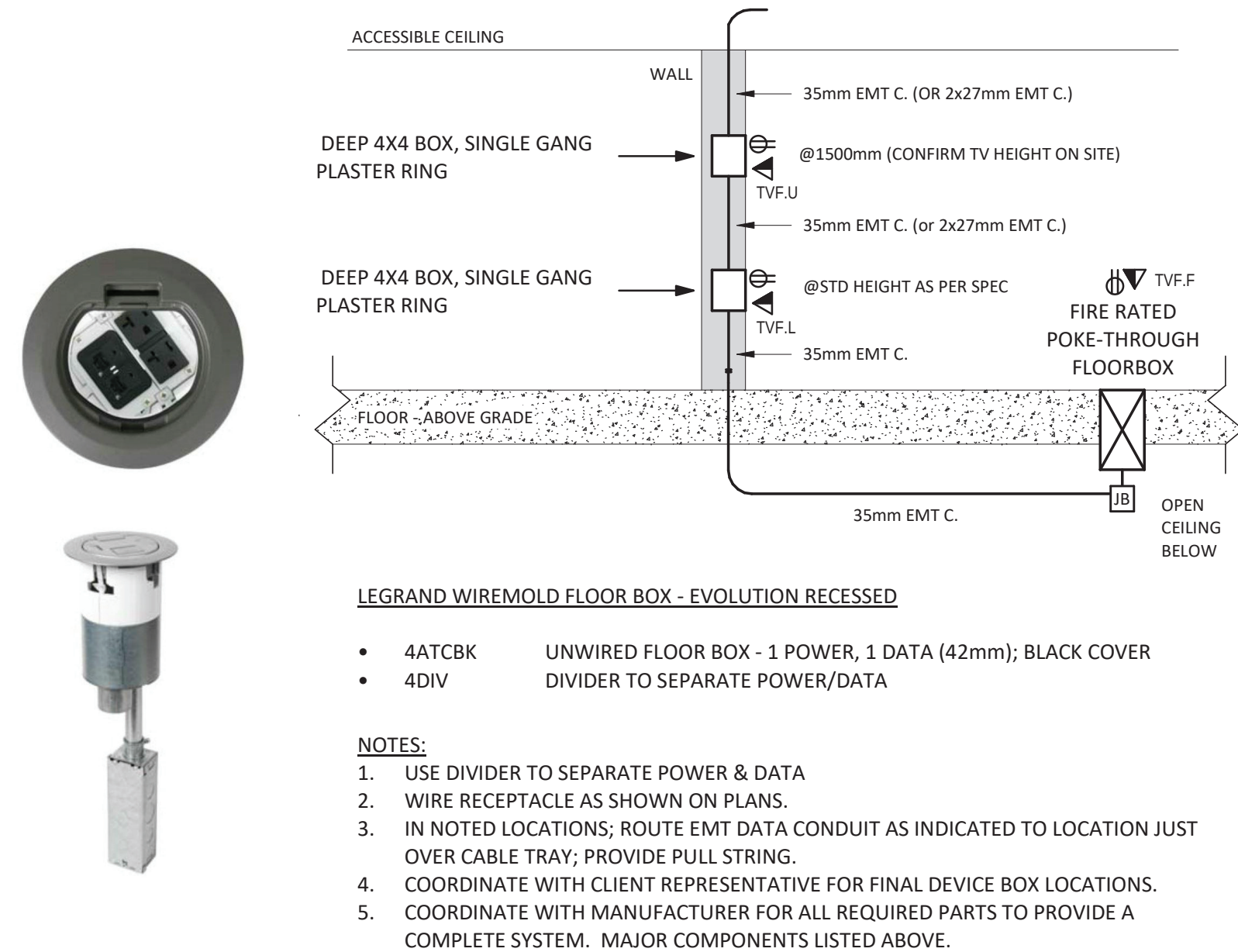
2 Printer/Supply Millwork
1 : 20



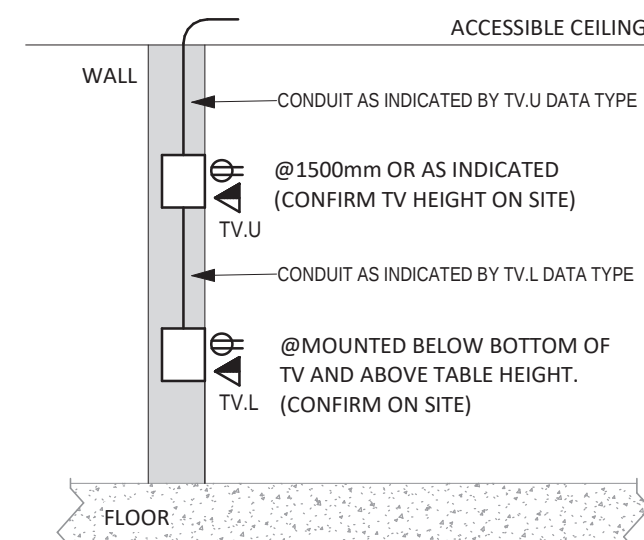
11 Electrical Room



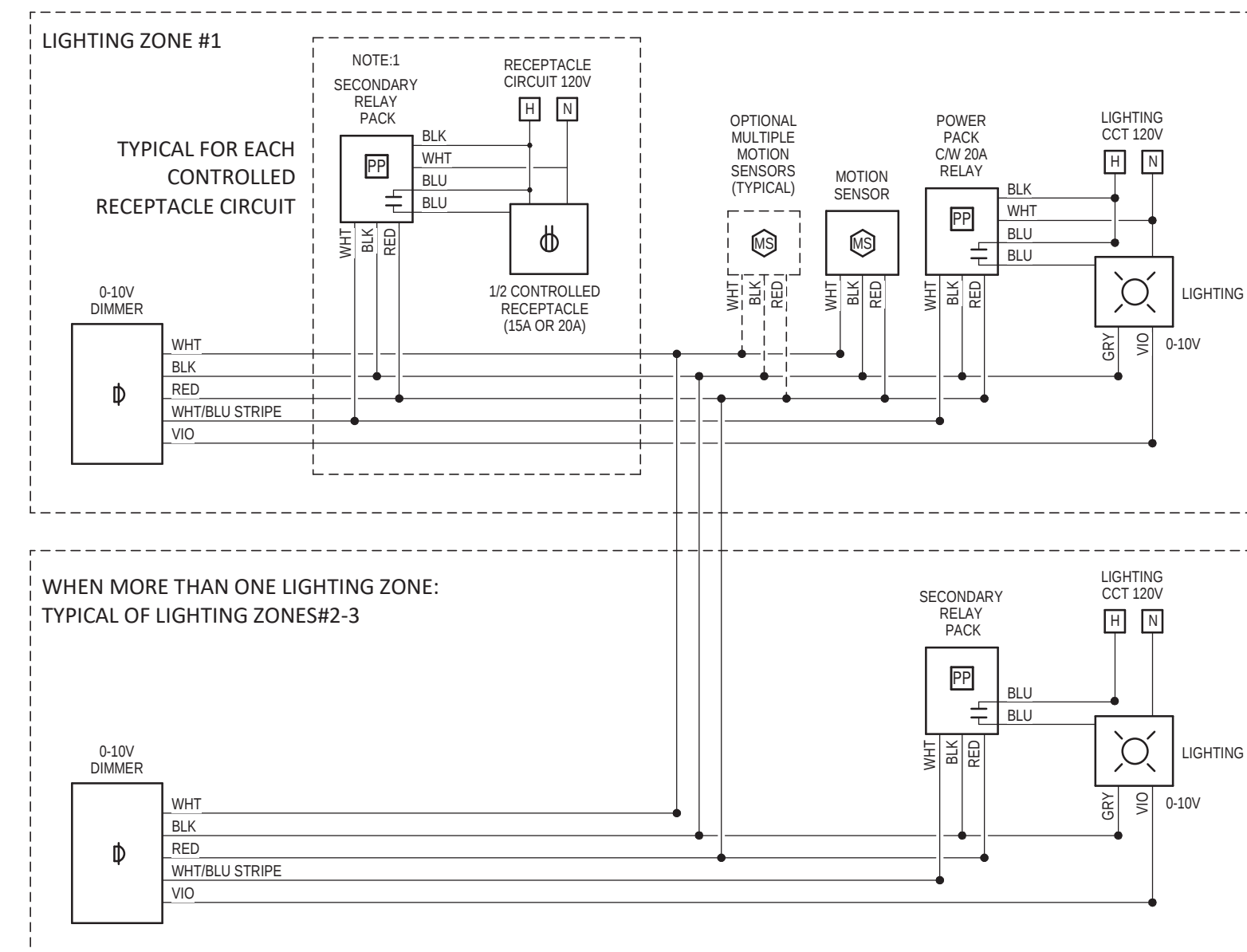
3 Floor Box - Recessed Poke-Through



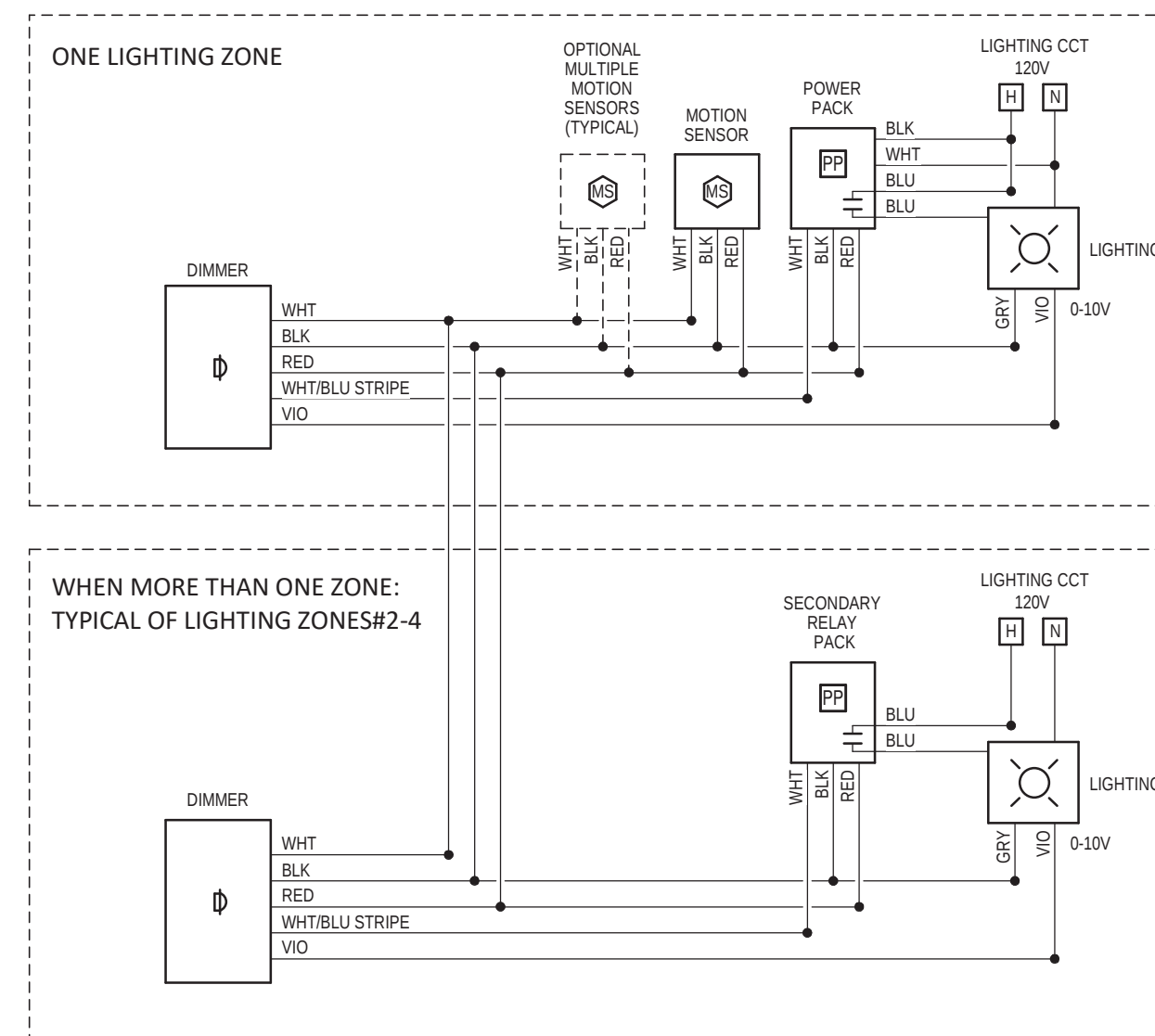
4 Floor Box / TV - Recessed Poke-Through



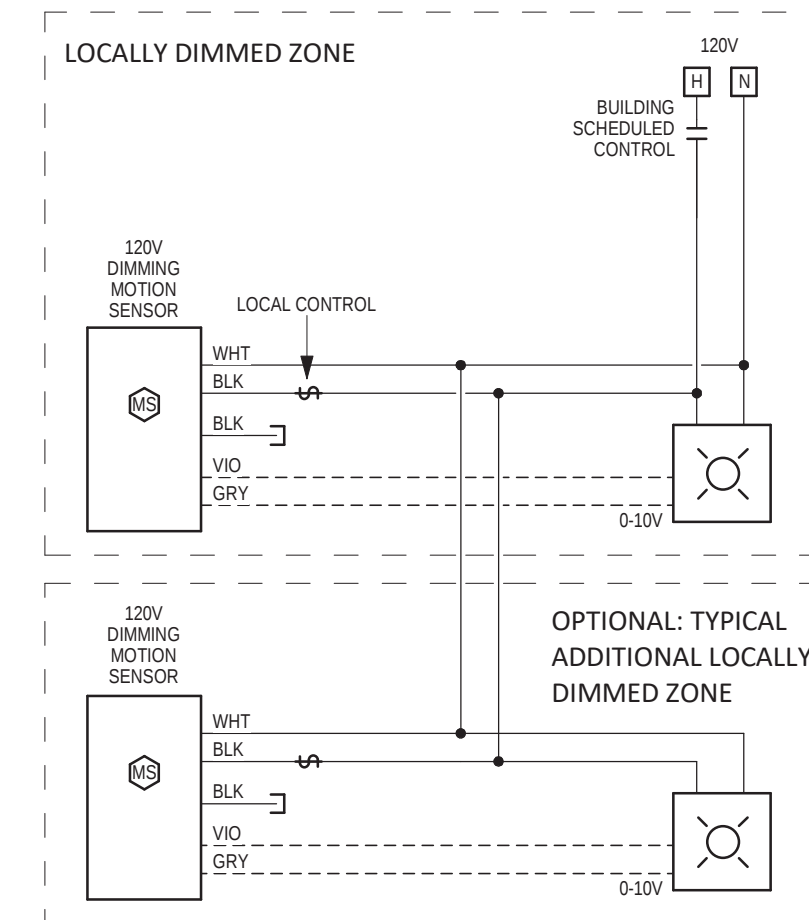
5 TV - Conduit Detail



7 One Or More Dimming Zones



6 One Or More Dimming Zones



9 120V - Vacancy Dimming - 50%

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DRAWINGS ARE NOT TO BE SCALED.

LICENSED PROFESSIONAL ENGINEER
S. HOLTDTCH
100108001
May 12, 2026
PROVINCE OF ONTARIO

6	Issued for Permit/Tender	May 12, 2026
5	Issued for Procurement	May 12, 2026
4	Changes R1	
3	Issued for Client Review Set 3	May 05, 2026
2	Issued for Client Review Set 2	Apr 29, 2026

NO.	DESCRIPTION	DATE
REVISION SCHEDULE		

ROOT3 Engineering
1920 YONGE ST, SUITE 200
TORONTO, ON, M4S 3E2

PROJECT NAME
Barrie City Hall - 4th Floor
70 Collier Street,
Barrie, ON

DRAWING TITLE
Electrical Details

SCALE As indicated	DRAWING NUMBER E4
SHEET SIZE 24"x36"	
PROJECT NUMBER 24143	DESIGNER SSA











1 - Total Removed - Low Voltage Device Schedule					
CURRENT SCHEDULE PHASE: Tender			SHOWING PHASE ITEMS: Show Previous + Demo		
QTY	Type	Conduit	Description	Phase Added	Phase Removed
2	CR	16mm EMT	Security Card Reader. Device box & conduit to accessible ceiling within Tenant office space;	EXISTING	Tender
7	FS.21	21mm EMT	Std. recessed device Box & conduit to accessible ceiling; Conduit Bushing	EXISTING	Tender
Total: 9					


















3 - Total Removed - Electrical Device Schedule					
CURRENT SCHEDULE PHASE: Tender			SHOWING PHASE ITEMS: Show Previous + Demo		
Qty	Type ID	Description	Type Comments	Phase Added	Phase Removed
65	R1	15A Duplex Receptacle;1-Gang Box	120V 5-15R; 1-Gang Box	EXISTING	Tender
6	R1.C	15A Duplex Receptacle	120V 5-15R; Mounted at Counter Height, 4" Above Backsplash.	EXISTING	Tender
2	R1G.C	15A Duplex Receptacle	120V 5-15R; Class A - GFI Receptacle; Mounted at Counter Height, 4" Above Backsplash.	EXISTING	Tender
1	R1Q	15A Quad Receptacle	120V 5-15R; Two - 15A Duplex Receptacles, in 2 Gang Box	EXISTING	Tender
Total: 74					

4 - Total Removed - Fire Alarm Device Schedule					
CURRENT SCHEDULE PHASE: Tender			SHOWING PHASE ITEMS: Show Previous + Demo		
QTY	Model	Description	Type Comments	Phase Added	Phase Removed
4		ANNUNCIATING	Horn	EXISTING	Tender
Total: 4					

5 - Total Removed - Lighting Control Device Schedule							
CURRENT SCHEDULE PHASE: Tender				SHOWING PHASE ITEMS: Show Previous + Demo			
Qty	Type	Mfg.	Model	Description	Type Comments	Phase Added	Phase Removed
33	S.1	TBD	TBD	Switch, 1-Pole Architectural Decora Style	120V	EXISTING	Tender
Total: 33							

6 - Total Removed - Lighting Fixture Schedule										
CURRENT SCHEDULE PHASE: Tender						SHOWING PHASE ITEMS: Show Previous + Demo				
Qty	Image	Type	Mfg.	Model#	Mounting	Height	Description	Remarks	Phase Added	Phase Removed
4		X.C14S	TBD	TBD	Surface		TBD	TBD	EXISTING	Tender
12		X.C22	TBD	TBD			TBD	TBD	EXISTING	Tender
96		X.C24	TBD	TBD			TBD	TBD	EXISTING	Tender
4		X.ER2		Existing	Ceiling	2300mm	Emergency Remote - 2 Head;	Assumed 9W Incandescent	EXISTING	Tender
5		X.ESR		Existing	Ceiling	Ceiling	Emergency Exit Sign - Ceiling Mount; Red Letters		EXISTING	Tender
2		X.ESW		Existing	Wall	2300mm	Emergency Exit Sign - Ceiling Mount; Red Letters		EXISTING	Tender
9		X.PL	TBD	TBD			TBD	TBD	EXISTING	Tender
Total: 132										

6 - Total New/Relocated - Lighting Fixture Schedule									
CURRENT SCHEDULE PHASE: Tender					SHOWING PHASE ITEMS: Show Previous + New				
Qty	Image	Type	Mfg.	Model#	Mounting	Height	Description	Remarks	Phase Added
52		C14.2	Lithonia	CPANL 1X4 24/33/44LM 40K	Recessed	Ceiling	LED 1x4 Flat Panel	120V, 20/28/39W; 2400/3300/4400 Lumens; 80 CRI; 4000K; Set Fixture to 2400 Lumens	Tender
24		C14.3	Lithonia	CPANL 1X4 24/33/44LM 40K	Recessed	Ceiling	LED 1x4 Flat Panel	120V, 20/28/39W; 2400/3300/4400 Lumens; 80 CRI; 4000K; Set Fixture to 3300 Lumens	Tender
3		C14.NL	Lithonia	CPANL 1X4 24/33/44LM 40K	Recessed	Ceiling	LED 1x4 Flat Panel	120V, 20/28/39W; 2400/3300/4400 Lumens; 80 CRI; 4000K; Set Fixture to 2400 Lumens Connect to line side of local lighting circuit.	Tender
1		C48.4	Lithonia	CSS 148 4000LM MVOLT 40K 80CRI	Surface	Ceiling	LED Strip Light	35.3W 4298Lumens 4" 120-277V 4000K 80CRI; Class 2 0-10V Dimmable	Tender
19		D4.7	Gotham Lighting	IVO4SQ-D-07LM-40K-80CRI-MD-MVOLT-MIN10-ZT-SF-P-A-R-LSS	Recessed	Ceiling	Square Downlight	4" Square Recessed Downlight, 773Lumens/7.3W, 4000K 80-CRI, 120-277V Min 10% Dim level(0-10V), Medium Batwing, Single Fuse, Trim: Parabolic, Clear metalized, Semi Specular Finish	Tender
4		D4.7NL	Gotham Lighting	IVO4SQ-D-07LM-40K-80CRI-MD-MVOLT-MIN10-ZT-SF-P-A-R-LSS	Recessed	Ceiling	Square Downlight	4" Square Recessed Downlight, 773Lumens/7.3W, 4000K 80-CRI, 120-277V Min 10% Dim level(0-10V), Medium Batwing, Single Fuse, Trim: Parabolic, Clear metalized, Semi Specular Finish. Connect to line side of local lighting circuit.	Tender
1		D4.10	Gotham Lighting	IVO4SQ-D-10LM-40K-80CRI-MD-MVOLT-MIN10-ZT-SF-P-A-R-LSS	Recessed	Ceiling	Square Downlight	4" Square Recessed Downlight, 1041Lumens/9.8W, 4000K 80-CRI, 120-277V Min 10% Dim level(0-10V), Medium Batwing, Single Fuse, Trim: Parabolic, Clear metalized, Semi Specular Finish	Tender
1		D4.15NL	Gotham Lighting	IVO4SQ-D-15LM-40K-80CRI-MD-MVOLT-MIN10-ZT-SF-P-A-R-LSS	Recessed	Ceiling	Square Downlight	4" Square Recessed Downlight, 1562Lumens/15W, 4000K 80-CRI, 120-277V Min 10% Dim level(0-10V), Medium Batwing, Single Fuse, Trim: Parabolic, Clear metalized, Semi Specular Finish. Connect to line side of local lighting circuit.	Tender
3		EC.4	Lumacell	LAC.1.W.1250.2.LD7.ZC	Wall	2300mm	Steel Combo Running Man Pictogram Exit; Universal Faces	12V; 50W for 30min; 2-4W MR16 LED Heads; Single Face; Factory White; Don't exceed battery capacity with additional remote lighting heads; 120/277VAC input, Connect to Line Side of Local Lighting Circuit	Tender
5		ER.4	Lumacell	M.QM.2.LD7	Wall	2300mm	Thermoplastic Mini Remote Heads	12V; 2-4W MR16 LED Heads; Fire-retardant thermoplastic; Factory White; Connect to nearest battery unit without exceeding battery capacity	Tender

6 - Total New/Relocated - Lighting Fixture Schedule									
CURRENT SCHEDULE PHASE: Tender					SHOWING PHASE ITEMS: Show Previous + New				
Qty	Image	Type	Mfg.	Model#	Mounting	Height	Description	Remarks	Phase Added
4		ER.5	Lumacell	M.QM.2.LD9	Wall	2300mm	Thermoplastic Mini Remote Heads	12V; 2-5W MR16 LED Heads; Fire-retardant thermoplastic; Factory White; Connect to nearest battery unit without exceeding battery capacity	Tender
9		ES.1	Lumacell	LDE A.W.F.SD	Ceiling	Ceiling	Running Man Pictogram Exit Sign	LED; die-cast aluminum construction; 90min internal battery; universal two-face, arrow left-right; 120-347VAC, consumes less than 3.5W	Tender
4		HDP.1	Axis Lighting	HDPD-SO-LO-90CRI-40K-UNV-0P-FCPR-TLF(L)	Pendant	Ceiling	19"Ø Helios Disk, Pendant	Helios Disk Pendant, 1710Lumens/21.72W, 4000K 90-CRI, Universal Voltage, Spotless Lens, dimming (0-10V), mounted flat stand alone canopy w/ remote driver, Cable length adjustable	Tender
2		HL.1	RBW	HLP-FC01-40-1_10V_UNV	Pendant	Ceiling	14"Ø Highline Pendant	14"Ø Pendant Light; 930Lm/17.13W; 4000K CCT; 0-10V Dimming; 120-277V c/w external driver; Grey Felt Finish	Tender
2		LLI.50	LLI Lighting	LLI-ICIF-SF-3.5W-42K-24V-50I N c/w LLI-XR-ICIF-SF-90D-FLT-6IN	Flush Mounted	Ceiling	LED Tape Light + Flanged Extrusion	3.5W/ft, 127lm/ft; 4200K; 90+ CRI; IP20; 50 Inches long; 2.5" Cut Points; c/w 6" + 6" 90" Flat Corner connected to nearest straight section.	Tender
2		LLI.90	LLI Lighting	LLI-FLX-WF-T1.5-42K-90IN c/w LLI-PS-NDE-030W-24V-KO(Driver)	Surface	Cove	LED Cove Tape Light + Flex Extrusion	1.5W/ft, 157lm/ft; 24VDC; White Powder Coat Finish; Frosted Lens; 4200K; 90 Inches long. 1" Cut Points; c/w Non-dimmable electronic 30W; 120-24V; Class 2 Driver mounted on cove; Line Voltage No Dimming	Tender
1		LLI.104	LLI Lighting	LLI-FLX-WF-T1.5-42K-104IN c/w LLI-PS-NDE-030W-24V-KO(Driver)	Surface	Cove	LED Cove Tape Light + Flex Extrusion	1.5W/ft, 157lm/ft; 24VDC; White Powder Coat Finish; Frosted Lens; 4200K; 104 Inches long. 1" Cut Points; c/w Non-dimmable electronic 30W; 120-24V; Class 2 Driver mounted on cove	Tender
1		LLI.132	LLI Lighting	LLI-FLX-WF-T1.5-42K-132IN c/w LLI-PS-NDE-030W-24V-KO(Driver)	Surface	Cove	LED Cove Tape Light + Flex Extrusion	1.5W/ft, 157lm/ft; 24VDC; White Powder Coat Finish; Frosted Lens; 4200K; 132 Inches long. 1" Cut Points; c/w Non-dimmable electronic 30W; 120-24V; Class 2 Driver mounted on cove, Line Voltage No Dimming	Tender
1		LLI.220	LLI Lighting	LLI-FLX-WF-T1.5-42K-220IN c/w LLI-PS-NDE-030W-24V-KO(Driver)	Surface	Cove	LED Cove Tape Light + Flex Extrusion	1.5W/ft, 157lm/ft; 24VDC; White Powder Coat Finish; Frosted Lens; 4200K; 220 Inches long. 1" Cut Points; c/w Non-dimmable electronic 30W; 120-24V; Class 2 Driver mounted on cove	Tender
2		LLI.380	LLI Lighting	LLI-ICIF-SF-3.5W-42K-24V-38 0IN c/w LLI-XR-ICIF-SF-90D-FLT-6IN	Flush Mounted	Ceiling	LED Tape Light + Flanged Extrusion	3.5W/ft, 127lm/ft; 4200K; 90+ CRI; IP20; 380 Inches long; 2.5" Cut Points; c/w 6" + 6" 90" Flat Corner connected to nearest straight section.	Tender
5		LOP.1	Axis Lighting	LOPD-SO-STR-1200-90CRI-40 K-UNV-DP-FCPR-TLA(L)	Pendant	Ceiling	7"Ø Luna Orb, Pendant	Luna Orb Pendant, 1200Lumens/15W, 4000K 90-CRI, Universal Voltage, Spotless Lens, Straight Orientation, dimming (0-10V), mounted flat stand alone canopy w/ remote driver, Cable length adjustable	Tender
18		P4.05	Gotham Lighting	IVO4CYL-PC-D-05LM-40K-80C RI-WD-MIN10-MVOLT-ZT-I9-JBX	Pendant	Ceiling	Cylinder Downlight, Pendant	4"Ø Cylinder, Pendant Downlight, 493Lumens/5.1W, 4000K 80-CRI, Wide Batwing, Min 10% Dim Level, 120V-277V, Generic 0-10V, Standard 9" Cylinder, Integral driver mounted on recessed or surface i-box	Tender
8		P4.10	Gotham Lighting	IVO4CYL-PC-D-10LM-40K-80C RI-WD-MIN10-MVOLT-ZT-I9-JBX	Pendant	Ceiling	Cylinder Downlight, Pendant	4"Ø Cylinder, Pendant Downlight, 991Lumens/9.8W, 4000K 80-CRI, Wide Batwing, Min 10% Dim Level, 120V-277V, Generic 0-10V, Standard 9" Cylinder, Integral driver mounted on recessed or surface i-box	Tender
4		P4.15	Gotham Lighting	IVO4CYL-PC-D-15LM-40K-80C RI-WD-MIN10-MVOLT-ZT-I9-JBX	Pendant	Ceiling	Cylinder Downlight, Pendant	4"Ø Cylinder, Pendant Downlight, 1486Lumens/15.0W, 4000K 80-CRI, Wide Batwing, Min 10% Dim Level, 120V-277V, Generic 0-10V, Standard 9" Cylinder, Integral driver mounted on recessed or surface i-box	Tender
1		PS.1	LLI Lighting	LLI-PS-DE010-200W-24V-KO	Above Ceiling	Ceiling	Extrusion Light Driver Power Supply	200W, 120-277V Input; 24V Output; Dimmable electronic 0-10V; Class 1 Driver mounted above ceiling	Tender
3		S1.58	Mark Architectural Lighting	S1PD-MSLS-90CRI-40K-800L MF-SCT-MIN10-FL-MVOLT-Z-T-F1/36A	Pendant	Ceiling	LED Strip Light, Pendant	Slot 1.5ft Pendant Direct, 90CRI 4000K 800Lumens/7Watts per foot, 120-277V Constant current-dimming to 10%(0-10V), Single Circuit, Flush Lens, T-bar ceiling mounting c/w 36in adjustable suspension	Tender
5		WS.1	RBW	DP-D-WS-S1-PC92-40-1_10V_UNV	Wall	~2430mm	Wall Sconce	879Lumens/19.7W; 4000K CCT; 0-10V Dimming Control; 120-277V c/w external driver; White Interior Glass, Natural Backplate finish; wall light locations to be confirmed with Owner and Consultant prior to install / rough-in	Tender
Total: 185									

1 - Total New/Relocated - Low Voltage Device Schedule				
CURRENT SCHEDULE PHASE: Tender			SHOWING PHASE ITEMS: Show Previous + New	
QTY	Type	Conduit	Description	Phase Added
1	CAM	21mm EMT	Security Camera. EMT Conduit to Accessible ceiling space; Conduit Bushing	Tender
11	D.P	Pull String	Provide empty conduit and pull string from ceiling plenum to top of demountable wall frame. Refer to architectural detail A500 - typ. for all demountable wall door locations.	Tender
11	FS.21	21mm EMT	Std. recessed device Box & conduit to accessible ceiling; Conduit Bushing	Tender
5	TV.U	27mm EMT	Deep 4x4 Device Box. Single gang plaster ring. Conduit to TV.U upper device box; Conduit Bushing: Refer to TV detail	Tender
5	TV.U	27mm EMT	TV@1500mm; Deep 4x4 Device Box. Single gang plaster ring. Conduit to accessible ceiling; Conduit Bushing: Refer to TV detail; Confirm Mounting Height on Site prior to related work.	Tender
2	TVF.F	35mm PVC/EMT	Conduit to TV data auxiliary floorbox type TVF.L. PVC Conduit below grade, EMT above grade. Refer to TV/Floorbox Detail. Confirm Mounting Height on Site prior to related work.	Tender
1	TVF.L	35mm EMT	Data Auxiliary TV Box at STD data height; Deep 4x4 device box. Single gang plaster ring. Conduit to floorbox. Conduit to TV data box. Alternatively use 2x27mm EMT between TVF.L and TVF.U. Refer to TV/Floorbox Detail.	Tender
Total: 36				

3 - Total New/Relocated - Electrical Device Schedule				
CURRENT SCHEDULE PHASE: Tender			SHOWING PHASE ITEMS: Show Previous + New	
Qty	Type ID	Description	Type Comments	Phase Added
10	BFP.1	Base Power Furniture Feed	Furniture fed from wall	Tender
1	DW	Direct Hardwire Connection	Dishwasher; 120V 15A	Tender
1	PT6.1	Evolution 6AT Series Poke Thru Device, Assembly Surface, Black Finish	2hr Fire Rating; 35mm Bottom Housing Assembly, center compartment; Provide and wire two 15A Decora Style Receptacles into unwired floor box. Network cables routed directly into floorbox. Provide mounting plates for side receptacles. Coordinate with Manufacturer for all miscellaneous required parts for a complete installation. Coordinate final location on site. X-ray Floor prior to related work;	Tender
33	R1	15A Duplex Receptacle;1-Gang Box	120V 5-15R; 1-Gang Box	Tender
2	R1.C	15A Duplex Receptacle	120V 5-15R; Mounted at Counter Height, 4" Above Backsplash.	Tender
5	R1.S	15A Duplex Receptacle	120V 5-15R; Surface mount device box.	Tender
1	R1A.1	15A Duplex Motion Controlled Receptacle	120V; 50% controlled; Leviton 16252-1PW or equal. Receptacle to indicate controlled portion as per SB-10 / ASHRAE 90.1; Refer to Lighting Plan for Power Pack controlling indicated Zone..	Tender
9	R1A.2	15A Duplex Motion Controlled Receptacle	120V; 100% controlled; Leviton 16252-2PW or equal. Receptacle to indicate controlled portion as per SB-10 / ASHRAE 90.1.; Refer to Lighting Plan for Power Pack controlling indicated Zone.	Tender
9	R2	20A Duplex Receptacle	120V 5-20R; 1-Gang Box	Tender
2	R2A.1	20A Duplex Motion Controlled Receptacle	120V; 50% controlled; Leviton 16352-1PW or equal. Receptacle to indicate controlled portion as per SB-10 / ASHRAE 90.1.; Refer to Lighting Plan for Power Pack controlling indicated Zone.	Tender
4	R2G.C	20A Duplex Receptacle	120V 5-20R; Class A - GFI Receptacle; Mounted at Counter Height, 4" Above Backsplash.	Tender
Total: 77				

4 - Total New/Relocated - Fire Alarm Device Schedule				
CURRENT SCHEDULE PHASE: Tender			SHOWING PHASE ITEMS: Show Previous + New	
QTY	Model	Description	Type Comments	Phase Added
7	15cd	ANNUNCIATING	Horn / Strobe, 15cd	Tender
3	15cd	ANNUNCIATING	Strobe, 15cd	Tender
3		Fire Alarm Initiating	Smoke Detector	Tender
Total: 13				

5 - Total New/Relocated - Lighting Control Device Schedule						
CURRENT SCHEDULE PHASE: Tender				SHOWING PHASE ITEMS: Show Previous + New		
Qty	Type	Mfg.	Model	Description	Type Comments	Phase Added
7	CM.9	Sensor Switch	CM 9	PIR Ceiling Occ Sensor, 24V	24V; White; 360deg small motion;	Tender
4	CMR.9	Sensor Switch	CMR 9	PIR Ceiling Occ Sensor, Auto On/Off, 120V	120V; Auto-On; White; 360deg small motion; Single Relay	Tender
7	CMR.9C	Sensor Switch	CMR 9 D	PIR Ceiling Occ. Controlled Dimming, 120V, 0-10V, Corridor Dimming to 50%	120V; Auto-On; White; 360deg small motion; Single Relay; 0-10V Dimming; Master on/off control by local switch and timeclock or Alarm contact control. Program to reduce Lighting to 50% after 15min on Vacancy	Tender
1	CNT.2	TBD	TBD	Electrically Held Lighting Contactor, 2-Pole Normally Open	30A, 120V; Provide Steel Junction box in ceiling space. Wire All lighting circuits not under motion sensor control through contactor; Controlled by local master switch.	Tender
8	D.1	Sensor Switch	SPODM SA D WH	SwitchPod, Manual On, 24V, 0-10V Dimming, Push Button	120V, 0-10V Dimming, Push Button; Max/Min dimming range adjustable; Multi-Way (up to 9 devices) operation	Tender
4	D.3	Sensor Switch	SPODMRA MWO D WH	Multi-Way Line Voltage Dimming Wall Switch	120V, 0-10V Dimming, Push Button; Max/Min dimming range adjustable; Multi-Way (up to 9 devices) operation	Tender
1	MS.1	Sensor Switch	WSX WH	PIR Wall Switch Occ Sensor, Auto On/Off	120V; Auto-On; White	Tender
2	MS.2	Sensor Switch	WSX 2P FAN ASHRT WH	PIR Wall Switch Occ Sensor, Auto On Pole 1&2	120V; Deep Device Box; Pole 1: 2#12 AWG AC90 to Lights in room; Pole 2: 2#12 AWG AC90 to Fan in room; Minimum Run time per ASHRAE 62.2; up to 1/4hp motor; White; Set timeout to 10min;	Tender
2	MS.3	Sensor Switch	WSX D SA WH	PIR 0-10V Dimming Wall Switch Occ Sensor, Manual On	120V; Dimming; White	Tender
7	MS.4	Sensor Switch	WSX D ASL WH	PIR 0-10V Dimming Wall Switch Occ Sensor, Auto On to 50%	120V; Dimming; White	Tender
8	PP20	Sensor Switch	PP20	Class 1 120V, to Class 2 15V Power / Relay Pack	Plenum Rated; Power up to 14 sensors	Tender
3	S.1	TBD	TBD	Switch, 1-Pole Architectural Decora Style	120V	Tender
4	SP20	Sensor Switch	SP20	Class 2 15V Relay Pack	Plenum Rated;	Tender
Total: 58						

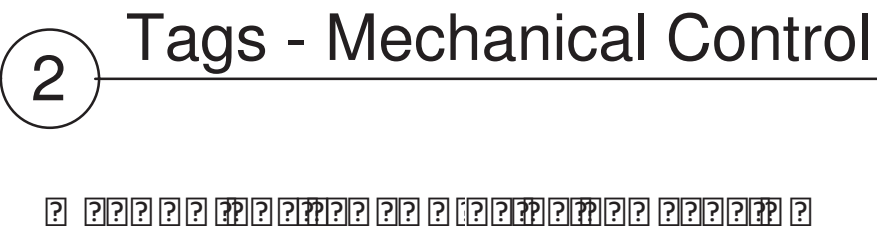
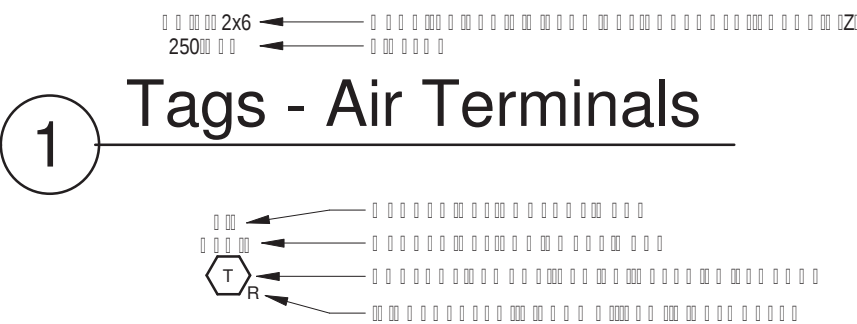


Table 1: Mechanical Control Tags

Tag Number	Tag Description
1.1	26
1.2	24
1.3	22
1.4	20

Table 2: Mechanical Control Tags

Tag Number	Tag Description	Tag Number	Tag Description
1.1	0.430	1.2	0.485
1.2	0.545	1.3	0.584
1.3	0.666	1.4	0.681
1.4	0.785	1.5	0.875
1.5	1.025	1.6	1.069
1.6	1.265	1.7	1.263
1.7	1.505	1.8	1.653
1.8	1.985	1.9	2.041
1.9	2.465	2.0	2.431
2.0	2.945	2.1	2.900
2.1	3.897	2.2	3.826
2.2	5.845	2.3	5.761

Table 3: Mechanical Control Tags

Tag Number	Tag Description	Tag Number	Tag Description
1.1	0.430	1.2	0.485
1.2	0.545	1.3	0.584
1.3	0.666	1.4	0.681
1.4	0.785	1.5	0.875
1.5	1.025	1.6	1.069
1.6	1.265	1.7	1.263
1.7	1.505	1.8	1.653
1.8	1.985	1.9	2.041
1.9	2.465	2.0	2.431
2.0	2.945	2.1	2.900
2.1	3.897	2.2	3.826
2.2	5.845	2.3	5.761

Sheet #	Sheet Name
1	1. Mechanical Legend
2.1	2.1. Mechanical Specification
2.2	2.2. Mechanical Specification
3.1	3.1. Mechanical Specification
3.2	3.2. Mechanical Specification
3.3	3.3. Mechanical Specification
4.1	4.1. Mechanical Specification
4.2	4.2. Mechanical Specification
5.1	5.1. Mechanical Specification
5.2	5.2. Mechanical Specification
6	6. Mechanical Specification
7	7. Mechanical Specification
Appendix 1	1. Mechanical Specification
Total	13

Table 4: Mechanical Control Tags

Tag Number	Tag Description	Tag Number	Tag Description
1.1	0.430	1.2	0.485
1.2	0.545	1.3	0.584
1.3	0.666	1.4	0.681
1.4	0.785	1.5	0.875
1.5	1.025	1.6	1.069
1.6	1.265	1.7	1.263
1.7	1.505	1.8	1.653
1.8	1.985	1.9	2.041
1.9	2.465	2.0	2.431
2.0	2.945	2.1	2.900
2.1	3.897	2.2	3.826
2.2	5.845	2.3	5.761

Table 5: Mechanical Control Tags

Tag Number	Tag Description	Tag Number	Tag Description
1.1	0.430	1.2	0.485
1.2	0.545	1.3	0.584
1.3	0.666	1.4	0.681
1.4	0.785	1.5	0.875
1.5	1.025	1.6	1.069
1.6	1.265	1.7	1.263
1.7	1.505	1.8	1.653
1.8	1.985	1.9	2.041
1.9	2.465	2.0	2.431
2.0	2.945	2.1	2.900
2.1	3.897	2.2	3.826
2.2	5.845	2.3	5.761

Table 6: Mechanical Control Tags

Tag Number	Tag Description	Tag Number	Tag Description
1.1	0.430	1.2	0.485
1.2	0.545	1.3	0.584
1.3	0.666	1.4	0.681
1.4	0.785	1.5	0.875
1.5	1.025	1.6	1.069
1.6	1.265	1.7	1.263
1.7	1.505	1.8	1.653
1.8	1.985	1.9	2.041
1.9	2.465	2.0	2.431
2.0	2.945	2.1	2.900
2.1	3.897	2.2	3.826
2.2	5.845	2.3	5.761



5	Issued for Permit/Tender	May 12, 2026
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3	Changes R1	
3	Issued for Client Review Set 3	May 05, 2026
2	Issued for Client Review Set 2	Apr 29, 2026

NO.	DESCRIPTION	DATE
REVISION SCHEDULE		

ROOT3 Engineering

1920 YONGE ST, SUITE 200
TORONTO, ON, M4S 3E2

PROJECT NAME

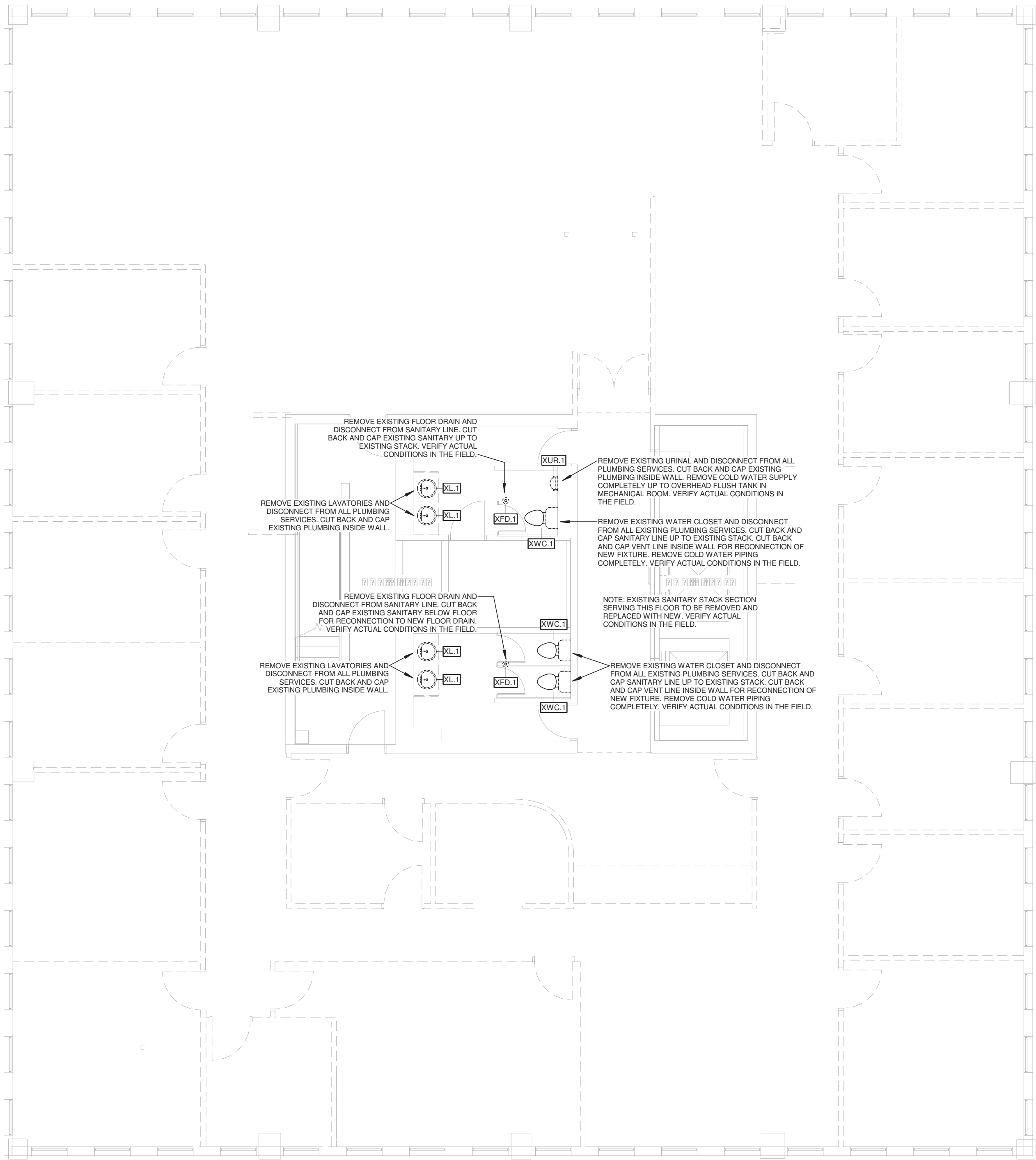
Barrie City Hall - 4th Floor

70 Collier St.
Barrie, ON

DRAWING TITLE

Mechanical Legend

SCALE	DRAWING NUMBER
1 : 1	M1
SHEET SIZE	DESIGNER
24"x36"	RA
PROJECT NUMBER	
24143	



Demolition Plumbing Fixture Schedule					
Mark	QTY	Description	Remarks	Phase Added	Phase Removed
M3.1	3	REMOVE EXISTING FLOOR DRAIN		REMOVE	REMOVE
M3.1	4	REMOVE EXISTING LAVATORIES		REMOVE	REMOVE
M3.1	1	REMOVE EXISTING URINAL		REMOVE	REMOVE
M3.1	3	REMOVE EXISTING WATER CLOSETS		REMOVE	REMOVE

1 Demolition - Plumbing Plan
1 : 75

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1920 YONGE ST, SUITE 200
TORONTO, ON, M4S 3E2

PROJECT NAME

Barrie City Hall - 4th Floor

70 Collier St.
Barrie, ON

DRAWING TITLE

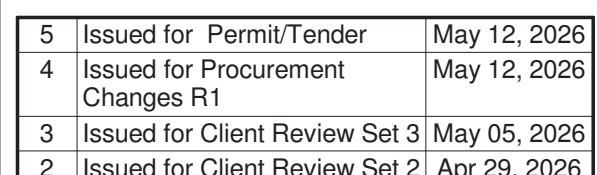
Demolition Plumbing Plan

SCALE	DRAWING NUMBER
1 : 75	M3.1
SHEET SIZE	
24"x36"	
PROJECT NUMBER	DESIGNER
24143	RA



Removed in Terminal Schedule									
Order Details					Customer Information				
Order ID	Date	Qty	Type	Model	Remarks	Phone No	Email ID	Phase Added	Phase Removed
00001	24/01/24	36	Selling Supply Square D Busbar	0000					Vendor
00001	24/01/24	2	Selling Exhaust Rille	0000					Vendor
00001	24/01/25	35	Selling Return Rille	0000					Vendor

DRAWINGS ARE NOT TO BE SCALED

The logo for Root3 Engineering features the word "ROOT3" in a bold, sans-serif font, with the "R" in red and "OOT3" in black. Below it, the word "Engineering" is written in a smaller, grey, sans-serif font. A red horizontal line is positioned above the "3".

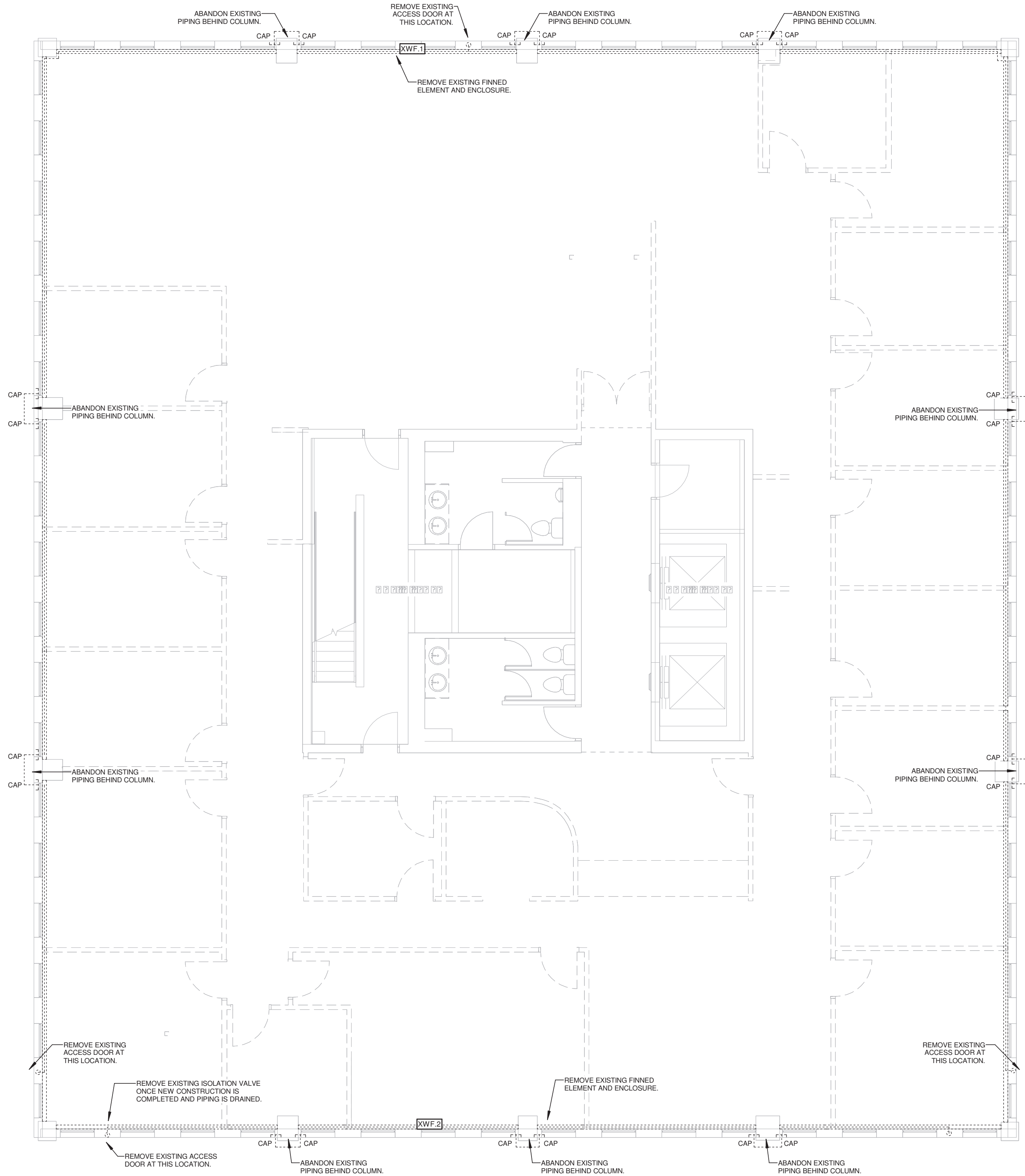
PROJECT NAME

70 Collier St.
Barrie, ON

Demolition HVAC Plan

SCALE 1 : 75	DRAWING NUMBER M3.2
SHEET SIZE 24"x36"	
PROJECT NUMBER 24143	
	DESIGNER RA

1 Demolition - Perimeter Heating Plan
1 : 75



Removed Mechanical Equipment Schedule					
Equipment to be Removed					
Mark	QTY	Description	Remarks	Phase Added	Phase Removed
M.1	1	Water Heating Unit		Phase 1	Phase 1
M.2	1	Water Heating Unit		Phase 1	Phase 1

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1920 YONGE ST, SUITE 200
TORONTO, ON, M4S 3E2

PROJECT NAME

Barrie City Hall - 4th Floor

70 Collier St.
Barrie, ON

DRAWING TITLE

Demolition Perimeter Heating Plan

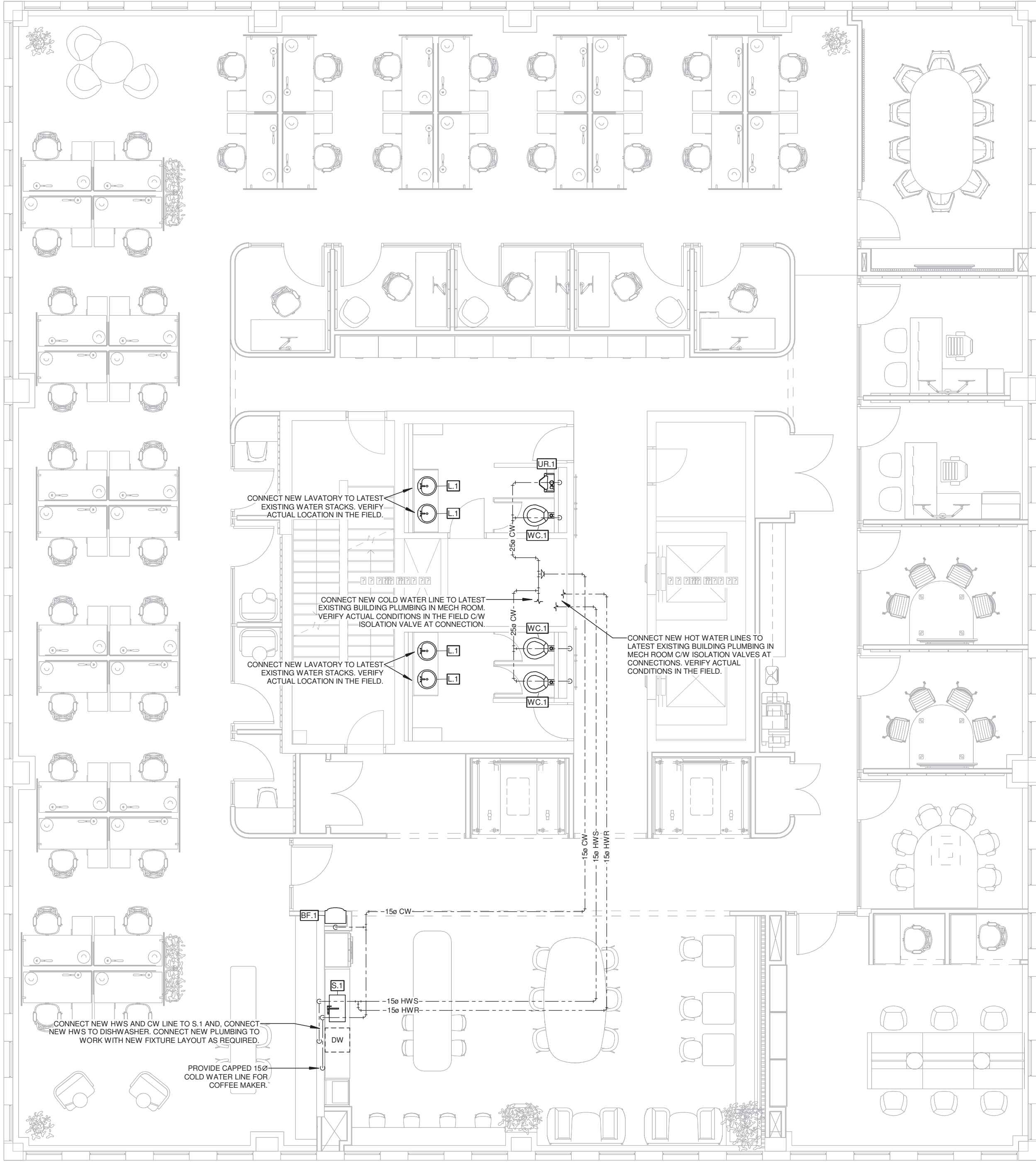
SCALE	DRAWING NUMBER
1 : 75	M3.3
SHEET SIZE	
24"x36"	
PROJECT NUMBER	DESIGNER
24143	RA

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New Plumbing Fixture Schedule									
Mark		QTY		Description		Connections		Remarks	
1		1		Model: Kaytron 2200 electronic in-wall bottle filling station, filtered water, stainless steel, 2000ml capacity, 2.5L/hr flow		15 0 32		Fully recessed type, bottle filler only.	
1		2		Model: Duron 415 floor drain with nickel top, polished nickel bronze		0 0 50		Trap primer connection, vandal proof screws, 6" round nickel bronze strainer	
1		4		Model: American Standard 495.221 vanity undercounter sink, glazed rim, white		15 15 32		3" alum. 1.9 gpm @ 60 psi, 1.5" x 1.5" x 1.5" chrome faucets 240.631.001 hardwired transformer, undercounter mounting kit & template, insulated 3/4" supply & drain, thermostatic mixing valve, 1/2" open & drain, 1/2" plug, 1/2" body trap with cleanout, 1/2" restrictor supplies with stops, escutcheons.	
1		1		Model: Frankel commercial 680801 undermount sink, stainless steel		15 15 40		3" alum. 5.7 gpm @ 60 psi, 1.5" x 1.5" x 1.5" chrome faucet with cleanout, mounting assembly & hardware, thermostatic mixing valve, 1/2" open & drain, 1/2" plug, 1/2" body trap with stops, escutcheons. Provide dishwasher connection & rain fitting.	
1		1		Model: American Standard 6500001 ashbrook toilet, universal rim, top, white		20 0 50		3" alum. 3.8 gpm @ 60 psi, 1.5" x 1.5" x 1.5" chrome flushometer, 1/2" open & drain, 1/2" plug, 1/2" body trap with cleanout, 1/2" restrictor supplies with stops, escutcheons.	
1		3		Model: American Standard 3518.01 wall hllenum toilet, isometric flushometer, toilet, top, white		25 0 100		3" alum. 6 gpm @ 60 psi, 1.5" x 1.5" x 1.5" chrome flushometer, 1/2" open & drain, 1/2" plug, 1/2" body trap with cleanout, 1/2" restrictor supplies with stops, escutcheons.	



1 Proposed - Domestic Water Plan
1 : 75



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NO.	DESCRIPTION	DATE
REVISION SCHEDULE		



1920 YONGE ST, SUITE 200
TORONTO, ON, M4S 3E2

PROJECT NAME

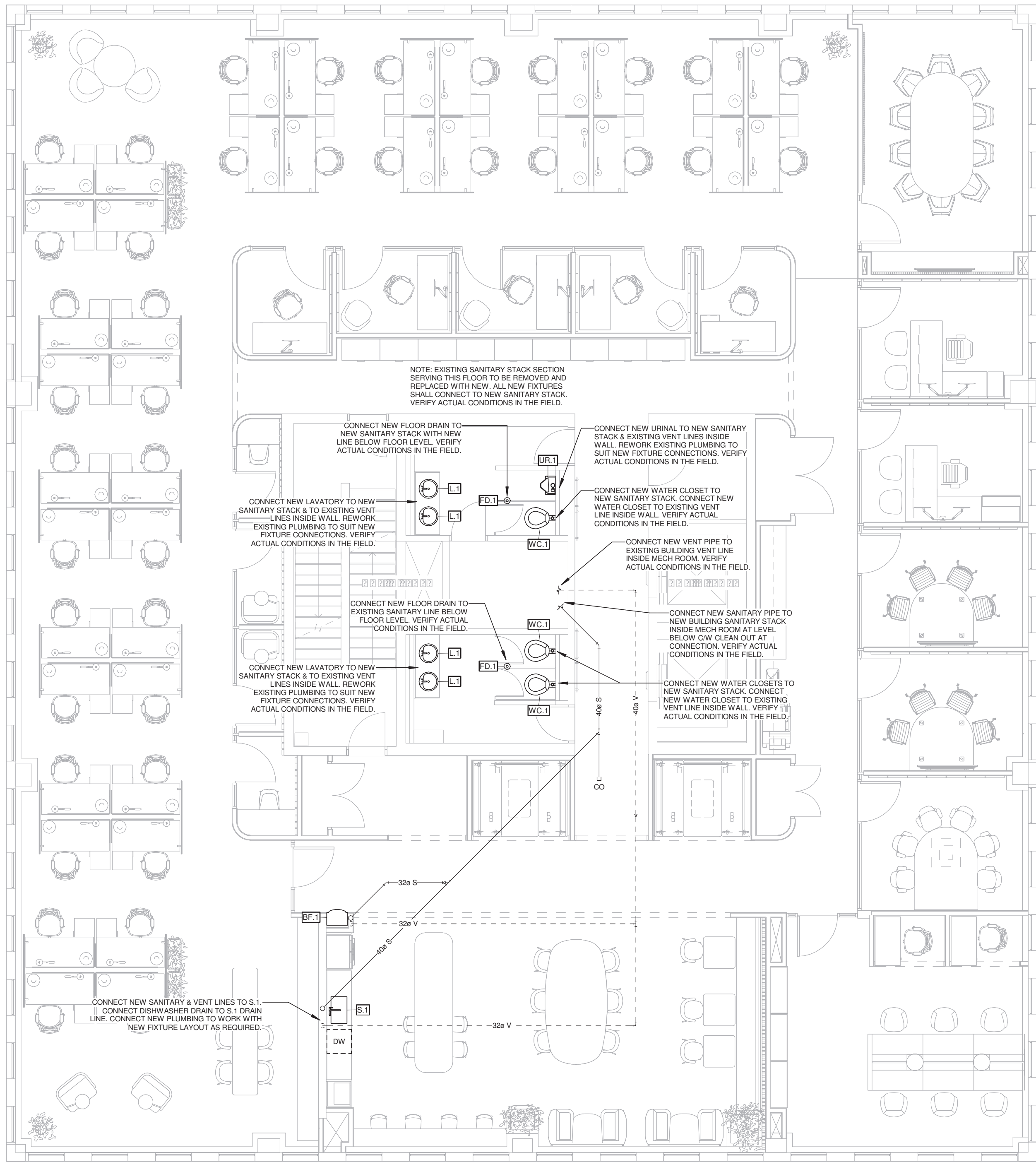
Barrie City Hall - 4th Floor

70 Collier St.
Barrie, ON

DRAWING TITLE

Domestic Water Plan

SCALE	DRAWING NUMBER	
1 : 75	M4.1	
SHEET SIZE		
24"x36"		
PROJECT NUMBER	DESIGNER	RA
24143		



1 Proposed - Sanitary & Vent Plan
1 : 75

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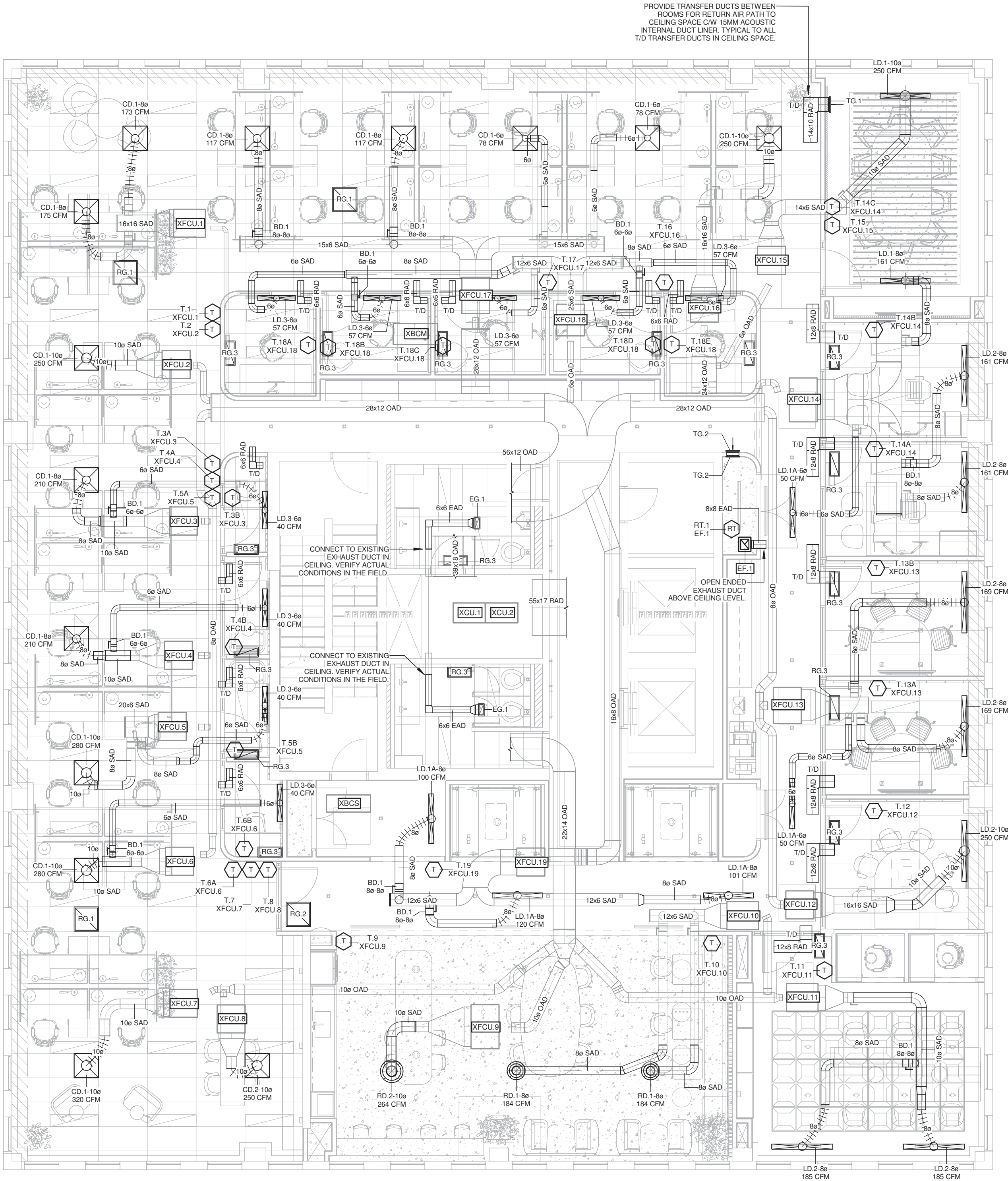
1920 YONGE ST, SUITE 200

TORONTO, ON, M4S 3E2

PROJECT NAME
Barrie City Hall - 4th Floor
70 Collier St. Barrie, ON

DRAWING TITLE
Sanitary & Vent Plan

SCALE	DRAWING NUMBER
1 : 75	M4.2
SHEET SIZE	
24"x36"	
PROJECT NUMBER	DESIGNER
24143	RA



Equipment Accessory Schedule						
Mark	Size	Qty	Type	Remarks	Phase Added	Phase Removed
001	60x150	5	Balancing Damper Round		ender	one
001	80x180	6	Balancing Damper Round		ender	one

1 Proposed - HVAC Plan
1 : 75

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REVISION SCHEDULE		



1920 YONGE ST, SUITE 200
TORONTO, ON, M4S 3E2

PROJECT NAME

Barrie City Hall - 4th Floor

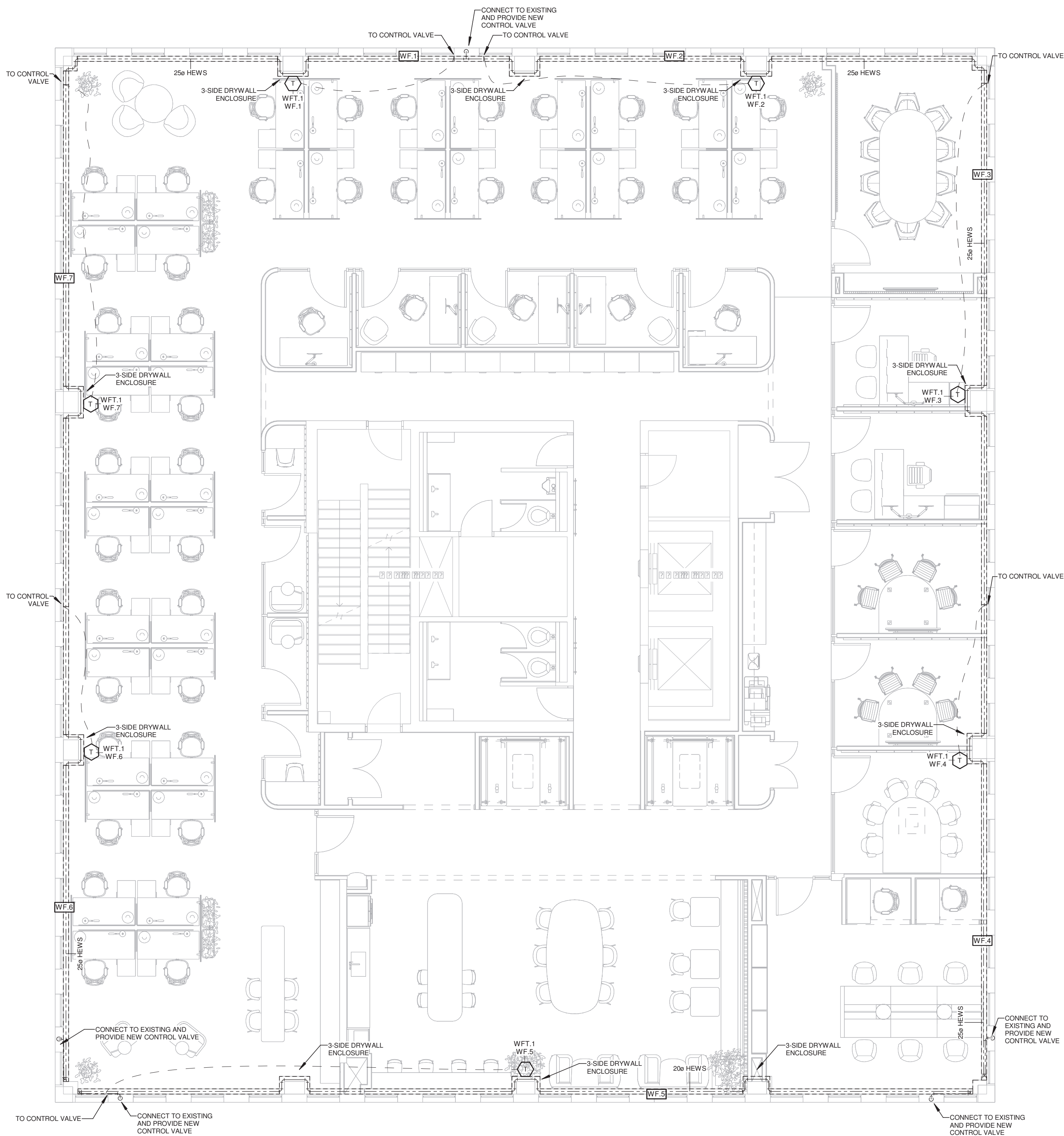
70 Collier St.
Barrie, ON

DRAWING TITLE

HVAC Plan

SCALE	DRAWING NUMBER
1 : 75	M5.1
SHEET SIZE	
24"x36"	
PROJECT NUMBER	DESIGNER
24143	RA

1 Proposed - Perimeter Heating Plan
1 : 75



Perimeter Heating Equipment Schedule						
Bender			Show only			
Mark	QTY	Description	Remarks	Phase Added	Phase Removed	Electrical Coordination
B.1	1	Isolation Valves, Control Valve with actuator, wall mounted thermostat interfaced with control valve, enclosure made of galvanized steel, end caps, access doors, end pieces, wall trims, corners, pure white finish. Model: Hosemeyer Vector all in enclosure, arrangement 1 Enclosure: 24" H x 16" W x 6" D Heating Capacity: 5700 Btu/hr Control Valve: Helimo 2050Q3, 23way, 20mm pipe size, 20mm valve size, 0.07 lbs Valve actuator: Helimo QK2.4		Bender	None	Yes
B.2	1	Isolation Valves, Control Valve with actuator, wall mounted thermostat interfaced with control valve, enclosure made of galvanized steel, end caps, access doors, end pieces, wall trims, corners, pure white finish. Model: Hosemeyer Vector all in enclosure, arrangement 1 Enclosure: 24" H x 16" W x 6" D Heating Capacity: 5700 Btu/hr Control Valve: Helimo 2050Q3, 23way, 20mm pipe size, 20mm valve size, 0.08 lbs Valve actuator: Helimo QK2.4		Bender	None	Yes
B.3	1	Isolation Valves, Control Valve with actuator, wall mounted thermostat interfaced with control valve, enclosure made of galvanized steel, end caps, access doors, end pieces, wall trims, corners, pure white finish. Model: Hosemeyer Vector all in enclosure, arrangement 1 Enclosure: 24" H x 16" W x 6" D Heating Capacity: 5700 Btu/hr Control Valve: Helimo 2075Q3, 23way, 20mm pipe size, 20mm valve size, 0.10 lbs Valve actuator: Helimo QK2.4		Bender	None	Yes
B.4	1	Isolation Valves, Control Valve with actuator, wall mounted thermostat interfaced with control valve, enclosure made of galvanized steel, end caps, access doors, end pieces, wall trims, corners, pure white finish. Model: Hosemeyer Vector all in enclosure, arrangement 1 Enclosure: 24" H x 16" W x 6" D Heating Capacity: 5700 Btu/hr Control Valve: Helimo 2075Q3, 23way, 20mm pipe size, 20mm valve size, 0.10 lbs Valve actuator: Helimo QK2.4		Bender	None	Yes
B.5	1	Isolation Valves, Control Valve with actuator, wall mounted thermostat interfaced with control valve, enclosure made of galvanized steel, end caps, access doors, end pieces, wall trims, corners, pure white finish. Model: Hosemeyer Vector all in enclosure, arrangement 1 Enclosure: 24" H x 16" W x 6" D Heating Capacity: 5700 Btu/hr Control Valve: Helimo 2075Q3, 23way, 20mm pipe size, 20mm valve size, 0.16 lbs Valve actuator: Helimo QK2.4		Bender	None	Yes
B.6	1	Isolation Valves, Control Valve with actuator, wall mounted thermostat interfaced with control valve, enclosure made of galvanized steel, end caps, access doors, end pieces, wall trims, corners, pure white finish. Model: Hosemeyer Vector all in enclosure, arrangement 1 Enclosure: 24" H x 16" W x 6" D Heating Capacity: 5700 Btu/hr Control Valve: Helimo 2075Q3, 23way, 20mm pipe size, 20mm valve size, 0.10 lbs Valve actuator: Helimo QK2.4		Bender	None	Yes
B.7	1	Isolation Valves, Control Valve with actuator, wall mounted thermostat interfaced with control valve, enclosure made of galvanized steel, end caps, access doors, end pieces, wall trims, corners, pure white finish. Model: Hosemeyer Vector all in enclosure, arrangement 1 Enclosure: 24" H x 16" W x 6" D Heating Capacity: 5700 Btu/hr Control Valve: Helimo 2075Q3, 23way, 20mm pipe size, 20mm valve size, 0.10 lbs Valve actuator: Helimo QK2.4		Bender	None	Yes

ew all in Control Schedule							
Bender				Show only			
Mark	Berves	Qty	Description	Remarks	Phase Added	Phase Removed	Electrical Coordination
B.1	B.1	1			Bender	None	Yes
B.1	B.2	1			Bender	None	Yes
B.1	B.3	1			Bender	None	Yes
B.1	B.4	1			Bender	None	Yes
B.1	B.5	1			Bender	None	Yes
B.1	B.6	1			Bender	None	Yes
B.1	B.7	1			Bender	None	Yes

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NO.	DESCRIPTION	DATE
REVISION SCHEDULE		



1920 YONGE ST, SUITE 200
TORONTO, ON, M4S 3E2

PROJECT NAME

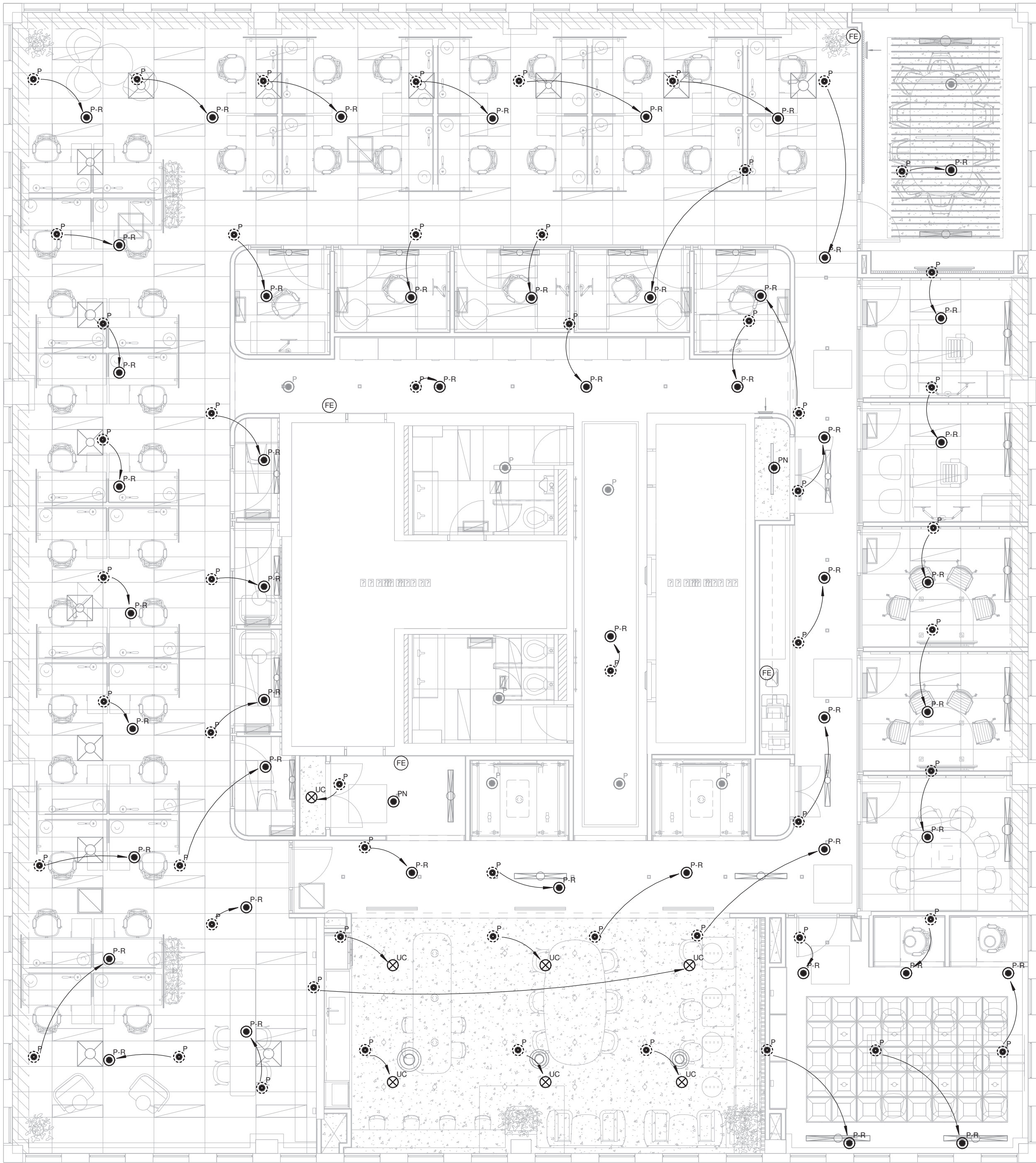
Barrie City Hall - 4th Floor

70 Collier St.
Barrie, ON

DRAWING TITLE

Perimeter Heating Plan

SCALE	DRAWING NUMBER
1 : 75	M5.2
SHEET SIZE	
24"x36"	
PROJECT NUMBER	DESIGNER
24143	RA



REVISIONS

REVISIONS

- 1.0. The drawing is a preliminary drawing and is not to be used for construction. It is for informational purposes only.
- 2.0. The drawing is a preliminary drawing and is not to be used for construction. It is for informational purposes only.
- 3.0. The drawing is a preliminary drawing and is not to be used for construction. It is for informational purposes only.
- 4.0. The drawing is a preliminary drawing and is not to be used for construction. It is for informational purposes only.
- 5.0. The drawing is a preliminary drawing and is not to be used for construction. It is for informational purposes only.
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Sprinkler Head Schedule					
Mark	Type	Qty	Remarks	Phase/Added	Phase/Removed
1	Pendent/emo	55	to be removed and relocated to nearby pendent locations as shown. Verify in the field.	2024/05/12	2024/05/12
2	Pendent/isting	8	isting to remain.	2024/05/12	2024/05/12
3	Pendent/new	2	to provide additional sprinkler heads as shown.	2024/05/12	2024/05/12
4	Pendent/relocated	48	to relocate removed sprinkler heads as shown in drawings.	2024/05/12	2024/05/12
5	Pright/converted	7	to convert pendent heads to upright heads. Install at same elevation as existing upright sprinkler heads in the open area.	2024/05/12	2024/05/12

Fire Extinguisher Schedule			
Type	Count	Phase/Treated	Phase/Removed
ABC/0.005, 5.0/20	4	2024/05/12	2024/05/12

1 Proposed - Sprinkler Plan
1 : 75

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1920 YONGE ST, SUITE 200
TORONTO, ON, M4S 3E2

PROJECT NAME
Barrie City Hall - 4th Floor
70 Collier St.
Barrie, ON

DRAWING TITLE
Sprinkler Plan

SCALE As indicated	DRAWING NUMBER M6
SHEET SIZE 24"x36"	DESIGNER RA
PROJECT NUMBER 24143	

[illegible][illegible][illegible]

ew Mechanical Equipment Schedule					
View Details Refresh Filter Sort Reset Help			Show View Only		
ark	QID	Description	Remarks	Phase Added	Electrical Coordination
1	1	Check and approve quality of electrical equipment.	Reverse thermostat mounting accessories shall be activated by wall mounted reversing thermostat.	One	Yes

ewin Terminal Schedule									
Sender					Show ewinly				
ark	Face	Size	Qty	Type	Model Model approved equal	Remarks	Added		
001.1	243248	6a	2	ceilingSupplySquareDiffuser	Price000	hite, rdertoMounttoBargid.	Sender		
001.1	243248	8a	6	ceilingSupplySquareDiffuser	Price000	hite, rdertoMounttoBargid.	Sender		
001.1	243248	10a	5	ceilingSupplySquareDiffuser	Price000	hite, rdertoMounttoBargid.	Sender		
001.2	243248	10a	1	ceilingSupplySquareDiffuser	Price000	hite, rdertoMounttoGypsumBoardCeiling.	Sender		
001.1	83040	4x10	2	ceilingHousrille	Price80	hite, Balancingdamp.	Sender		
001.1	49355	8a	1	SupplyNearDiffuser	Price00100	hite, 2x30x100LinearDiffuser, AluminumpatternControllers, PlenumBoo, rderforflush mountingtoBottomLevelofCeilingfeature.	Sender		
001.1	49355	10a	1	SupplyNearDiffuser	Price00100	hite, 2x30x100LinearDiffuser, AluminumpatternControllers, PlenumBoo, rderforflush mountingtoBottomLevelofCeilingfeature.	Sender		
001.10	49355	6a	2	SupplyNearDiffuser	Price00100	hite, 2x30x100LinearDiffuser, AluminumpatternControllers, PlenumBoo, rderforflush mountingtoBottomLevelofCeilingfeature.	Sender		
001.10	49355	8a	3	SupplyNearDiffuser	Price00100	hite, 2x30x100LinearDiffuser, AluminumpatternControllers, PlenumBoo, rderforflush mountingtoBottomLevelofCeilingfeature.	Sender		
001.2	60355	8a	6	SupplyNearDiffuser	Price00100	hite, 2x30x100LinearDiffuser, AluminumpatternControllers, PlenumBoo, rderforflush mountingtoBottomLevelofCeilingfeature.	Sender		
001.2	60355	10a	1	SupplyNearDiffuser	Price00100	hite, 2x30x100LinearDiffuser, AluminumpatternControllers, PlenumBoo, rderforflush mounting.	Sender		
001.3	37055	6a	9	SupplyNearDiffuser	Price00100	hite, 2x30x100LinearDiffuser, AluminumpatternControllers, PlenumBoo.	Sender		
001.1	180	8a	2	roundCeilingDiffuser	Price000	hite, rderforCeilingSuspensionInstallation.	Sender		
001.2	220	10a	1	roundCeilingDiffuser	Price000	hite, rderforCeilingSuspensionInstallation.	Sender		
001.1	243248		3	ceilingReturnrille	Price80	Boresnly, hite, rdertoMounttoBargid, Boe providedwithBo, PriceReturnInAnopny mountingAssembly.	Sender		
001.2	243248		1	ceilingReturnrille	Price80	Boresnly, hite, rdertoMounttoGypsumBoard ceiling, Boe providedwithBo, PriceReturnInAnopny mountingAssembly.	Sender		
001.3	243248		17	ceilingReturnrille	Price80	Boresnly, hite, rdertoMounttoBargid, Boe providedwithBo, PriceReturnInAnopny mountingAssembly.	Sender		
001.1	1630120	14x10	1	transferRille	Price\$100	BoeReeRebladeReflection, Type00ountersunkcrew mounting, BladesParalleltoPortDimension.	Sender		
001.2	1430180	12x16	2	transferRille	Price\$100	BoeReeRebladeReflection, Type00ountersunkcrew mounting, BladesParalleltoPortDimension.	Sender		

ew transferuct schedule					
ender			ow ew nly		
ark	type	ize	Q	Remarks	hase added
000	transferuct rectangular	60606	9	Internal acoustic insulation, mitered bow, and transfer grille at wall surface termination.	ender
000	transferuct rectangular	1208208	6	Internal acoustic insulation, mitered bow, and transfer grille at wall surface termination.	ender
000	transferuct rectangular	14103140	1	Internal acoustic insulation, mitered bow, and transfer grille at wall surface termination.	ender

THIS DRAWING IS AN INSTRUMENT OF SERVICE &
IS THE PROPERTY OF ROOT3 ENGINEERING AND
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WITHOUT THE PERMISSION OF ROOT3
ENGINEERING LTD.

THE CONTRACTOR MUST VERIFY ALL DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER, BEFORE PROCEEDING WITH THE WORK.

DRAWINGS ARE NOT TO BE SCALED.



5	Issued for Permit/Tender	May 12, 2026
4	Issued for Procurement Changes R1	May 12, 2026
3	Issued for Client Review Set 3	May 05, 2026
2	Issued for Client Review Set 2	Apr 29, 2026

NO.	DESCRIPTION	DATE
REVISION SCHEDULE		



1920 YONGE ST, SUITE 20
TORONTO, ON, M4S 3E2

PROJECT NAME

Barrie City Hall - 4th Floor

70 Collier St.
Barrie, ON

DRAWING TITLE

HVAC Schedules

SCALE	DRAWING NUMBER
SHEET SIZE 24"x36"	M7
PROJECT NUMBER 24143	DESIGNER RA

Appendix 'M' – Mechanical Testing Report Templates *(Sample Formats)*

Mar 9, 2026 Version: V1.2

How to Use:

- Copy related report(s) to your company letter head. Fill out the form and sign. The test template is provided as sample format. Alternate formats may also be acceptable as long as they cover the testing intent and related standards.
- For tests completed in multiple stages, duplicate the related test sections for each stage.
- Reason for the requested test reports: An engineer requires documented evidence to fulfill their legal and professional obligation under the Ontario Building Code to verify that the construction is in general conformity with the permitted design.

List of Template Reports

- Plumbing Test Report (3 pages)
- Hydronic Heating Test Report (3 pages)

Plumbing Test Report

(Root3 Engineering Ltd. template test report to be completed by installing contractor)

References: OBC Div. B 7.3.6, 7.3.7, 7.4.8.1, 7.6.2.3; CSA B64.10/B64.10.1

Project: _____

Project Address: _____

Date: _____

Contractor/Company: _____

Tester's Name (Plumbing Contractor of Record): _____

C of Q Certification #: _____

0. Scope

The tests apply to **newly installed or reworked sections** of piping/systems, as required by OBC 7.3.6 and 7.3.7. Existing piping not modified is not subject to retesting

1. Below Grade ☐ Vent/Sanitary ☐ Storm Drainage Test or ☐ N/A

OBC 7.3.6.4, 7.3.6.5 & 7.4.8.1

Note 1: Rough-in test is required after rough-in, before concrete/backfill. (OBC 7.3.6.1.(1))

Note 2: Pick either Water OR Air test

Note 3: Attach gauge photos if required by Engineer or AHJ.

Location / Description of Piping Tested: _____

☐ Hydrostatic Water test — Apply ≥ 3.0 m water column to all joints; keep filled 15 min. (OBC 7.3.6.4.(1)/(2)), **OR**

- ☐ All openings sealed except the highest point (left open for water fill to ≥ 3.0 m head).
- ☐ Upstream/downstream ends isolated with test balls/plugs at _____ & _____:
- ☐ Ties to existing system isolated.

☐ Air test — Pressurize to 35 kPa and hold 15 min with no drop; per pipe manufacturer's instructions. (OBC 7.3.6.5.(1))

- ☐ All openings sealed, including highest points/roof terminals.
- ☐ Upstream/downstream ends isolated with test balls/plugs at _____ & _____:
- ☐ Test tee with calibrated gauge/valve installed.
- ☐ Traps within the section emptied and sealed.
- ☐ Ties to existing system isolated.

Installation verification:

- ☐ Horizontal Pipe slope checked (per 7.4.8.1) prior to cover; or ☐ N/A

Result: ☐ Pass ☐ Fail – Notes: _____

Witness (General Contractor or Inspector): _____, _____
NAME (printed) Signature

Test Date(s): _____

2. Above Grade ☐ Vent/Sanitary ☐ Storm Drainage Test or ☐ N/A

OBC 7.3.6.4, 7.3.6.5 & 7.4.8.1

Note 1: Rough-in test is required after rough-in, before fixtures/cover. (OBC 7.3.6.1.(1))

Note 2: Pick either Water OR Air test

Note 3: Attach gauge photos if required by Engineer or AHJ.

Location / Description of Piping Tested: _____

☐ Hydrostatic Water test — Apply ≥ 3.0 m water column to all joints; keep filled 15 min. (OBC 7.3.6.4.(1)/(2)), **OR**

- ☐ All openings sealed except the highest point (left open for water fill to ≥ 3.0 m head).

Plumbing Test Report

- ☐ Upstream/downstream ends isolated with test balls/plugs at _____ & _____:
☐ Ties to existing system isolated.

☐ Air test — Pressurize to 35 kPa and hold 15 min with no drop; per pipe manufacturer's instructions. (OBC 7.3.6.5.(1))

- ☐ All openings sealed, including highest points/roof terminals.
☐ Upstream/downstream ends isolated with test balls/plugs at _____ & _____:
☐ Test tee with calibrated gauge/valve installed.
☐ Traps within the section emptied and sealed.
☐ Ties to existing system isolated.

Result: ☐ Pass ☐ Fail — Notes: _____

Witness (General Contractor or Inspector): _____, _____
NAME (printed) Signature

Test Date(s): _____

3. Potable Water Piping Test (Cold & Hot) or ☐ N/A

OBC 7.3.7.1, 7.3.7.2 & 7.3.7.3

Note 1: Rough-in test is required after rough-in, before piping is covered (and before insulation)

Note 2: If piping is tested in stages, provide a separate test summary for each stage.

Note 3: Attach gauge photos if required by Engineer or AHJ.

- ☐ Hydrostatic — 1000 kPa (\approx 145 psi), 1 h, or
☐ Air — 700 kPa (\approx 102 psi), 2 h

Isolation confirmation:

- ☐ Backflow preventers/PRVs isolated; ☐ N/A
☐ Mixing valves isolated/bypassed; ☐ N/A
☐ Water heater and recirc pump isolated/bypassed; ☐ N/A
☐ All air expelled before hydro test; potable water source used
☐ If supply pressure is below the required test pressure, use a hydrostatic test pump/regulator to reach 1000 kPa; ensure sensitive devices remain isolated; ☐ N/A
☐ Heat traps provided, integral or separate, except for recirc systems (OBC 12.3.1.4(1)) or ☐ N/A

Result: ☐ Pass ☐ Fail — Notes: _____

Witness (General Contractor or Inspector): _____, _____
NAME (printed) Signature

Test Date(s): _____

4. Ball Test (Building Drain / Sewer) or ☐ N/A

OBC 7.3.6.1.(5) & 7.3.6.7

Note: Ball test applies to sanitary building drain/sewer and storm building drain/sewer buried underground. (OBC 7.3.6.1.(5)). Rough-in test is required after rough-in, before fixtures/cover. (OBC 7.3.6.1.(1))

Application:

Buried sanitary and storm building drains/sewers (acceptance by ball test).

Procedure:

- ☐ Ball is hard/dense (won't float) and passes freely through the pipe (7.3.6.7.(1)).
☐ Ball diameter not less than: 50 mm for NPS 3 or larger; 25 mm for pipe < NPS 3 (7.3.6.7.(2)(a),(b)).

Installation confirmation:

Test run clearly identified between upstream _____ insertion and downstream _____ retrieval points.

Result: ☐ Pass ☐ Fail — Notes: _____

Witness (General Contractor or Inspector): _____, _____
NAME (printed) Signature

Test Date(s): _____

Plumbing Test Report

5. Final Test or ☐ N/A

OBC 7.3.6.6

Note 1: This test only needs to be performed when specifically requested by the CBO or Engineer

Note 2: Attach gauge photos if required by Engineer or AHJ.

Procedure:

Ensure the bottom of the system being tested terminates at the building trap, test plug or cap. Prime/fill every trap.

☐ Smoke method: Force smoke into the system; when smoke appears at all roof terminals, close them; then maintain a 25 mm water column for 15 min without adding smoke.

☐ Air alternative: You may omit smoke; with roof terminals closed, maintain an air pressure equivalent to 25 mm water column for 15 min without adding air.

Result: ☐ Pass ☐ Fail – Notes: _____

Witness (General Contractor or Inspector): _____, _____
NAME (printed) Signature

Test Date(s): _____

6. Backflow Preventer Test (☐ DCVA ☐ RP) or ☐ N/A

OBC 7.6.2.3.(1); CSA B64.10/B64.10.1

Note: Attach gauge photos if required by Engineer or AHJ.

Procedure:

Conducted by a certified tester. The device is isolated using its integral or adjacent shutoff valves to test differential pressure across check valves and the relief valve opening pressure. Testing also to comply with municipal backflow program requirements where applicable.

Tester holds valid municipal/CSA-recognized backflow tester certification #:

Cert #: _____, Name: _____, Signature: _____

Backflow Preventer Device Serial #: _____

☐ Municipal Backflow Prevention Device Test report is attached.

Result: ☐ Pass ☐ Fail – Notes: _____

Witness (General Contractor or Inspector): _____, _____
NAME (printed) Signature

Test Date(s): _____

Declaration

This will confirm that the plumbing system for the above-mentioned project has been tested and successfully passed the requirements for testing under Section 7.3.6 and 7.3.7 of the Ontario Building Code.

I certify that the above tests were performed on new or reworked piping only as required by OBC Div. B, that all procedures complied with the referenced standards, and that the results are accurately reported.

The plumbing system is complete and ready for operation by the building occupants.

Tester's Signature: _____ Date: _____

Hydronic Heating Test Report

(Root3 Engineering Ltd. template test report to be completed by installing contractor)

References: OBC Div. B, Parts 6, 7 & 9; CSA B214-21 – Installation Code for Hydronic Heating Systems

Project: _____

Project Address: _____

Date: _____

Contractor/Company: _____

Tester's Name & Certification (C of Q) #: _____

Design Reference (Drawing/Spec & Revision): _____

Equipment / System Identification

Heat Source	Mfr: _____ Model: _____ Serial: _____
	Input/Output: _____ Fuel Type: _____ Location: _____
System Type	<input type="checkbox"/> Closed <input type="checkbox"/> Open <input type="checkbox"/> Water <input type="checkbox"/> Glycol <input type="checkbox"/> Radiant <input type="checkbox"/> Baseboard <input type="checkbox"/> Fan Coil
	Number of Zones: _____ Manifolds: _____
Key Components	Circulator(s): _____ Exp. Tank Size/Type: _____
	Mixing Valve Type (if present): _____

For systems with multiple heat sources (e.g., multiple fan coils, radiant heaters), attach additional Equipment ID sheets as required.

1. Installation & Safety Verification

OBC Part 6; CSA B214-21 Clauses 4 & 5 — Confirms physical installation meets code and manufacturer requirements.

Location & Access:

- ☐ Heat source installed in an accessible location for service/inspection.
- ☐ Required clearances to combustibles maintained per manufacturer specifications.

Piping, Valves & Supports:

- ☐ Piping is adequately supported and allows for expansion/contraction.
- ☐ Mixing/bypass valves verified for correct orientation and function. ☐ N/A
- ☐ Isolation valves installed upstream and downstream of major serviceable components.
- ☐ Oxygen Permeation: Non-metallic tubing has oxygen barrier OR system uses non-ferrous components/separation.
- ☐ N/A

Safety Devices:

- ☐ Pressure relief valve installed vertically, close to heat source, and not isolated.
- ☐ Relief valve discharge piping routed to safe location (150–300 mm from floor near drain, or indirect to hub drain).
- ☐ Relief valve discharge does not terminate over electrical equipment, fuel lines, or system piping.
- ☐ Expansion tank installed with isolation valve; handle removed or locked in OPEN position.
- ☐ Low-Water Cut-Off (LWCO) installed (required for all direct-fired heat sources in closed systems). ☐ N/A
LWCO Functional Test Method: _____ (e.g., trip test, probe test)
- ☐ Backflow preventer installed and tested per CSA B64.10/B64.10.1 (if potable water make-up or chemical treatment). ☐ N/A
 - ☐ Backflow test report attached

Insulation:

- ☐ Piping in unconditioned spaces is insulated to prevent freezing and heat loss.
- ☐ Underslab/radiant insulation verified during rough-in (Min. RSI 0.9 / R-5 for soil contact). ☐ N/A
Rough-in verification date: _____ ☐ Photo/record attached

Hydronic Heating Test Report

Result: ☐ Pass ☐ Fail ☐ N/A Notes: _____

Inspection Date: _____

2. System Preparation & Leak Test

CSA B214-21 Clause 4.5 — Verifies the system is properly prepared and free of leaks.

Preparation Procedure:

- ☐ System flushed to remove debris.
- ☐ Heat source isolated during flushing.
- ☐ Correct fluid used (water or glycol mix).
- ☐ Air elimination provisions installed per CSA B214-21 Clause 12.6.
- ☐ Chemical additives: Label/tag permanently affixed to heat source identifying additive and concentration. ☐ N/A
- Glycol % Reading (if applicable): _____

Leak Test Procedure:

Hydrostatic test at 420 kPa (60 psi) OR 1.5× operating pressure, whichever is greater. Minimum 1 hour, no loss of pressure.

Test pressure shall not exceed the lowest rated component in the test boundary. Isolate boiler if test pressure exceeds boiler rating.

Test Evidence:

Test Pressure: _____ kPa / psi	Start Time: _____
Pressure at Start: _____ kPa / psi	End Time: _____
Pressure at End: _____ kPa / psi	Duration: _____ hrs/min

Isolation Confirmation:

- ☐ Heater loop isolated from sensitive equipment/relief valves during high-pressure test.

Result: ☐ Pass (No leakage observed) ☐ Fail Notes: _____

Test Date(s): _____

3. Functional Performance Verification

CSA B214-21 Clause 12 — Verifies heater and controls operate correctly under normal conditions.

Operating Conditions:

Normal Operating Pressure: _____ kPa (_____ psi) Normal Operating Temp: _____ °C (_____ °F)

Controls & Operation:

- ☐ Thermostat/zone valves respond to call for heat.
- ☐ High-limit / max supply setpoint: _____ °C — Verified per design and manufacturer requirements.
- ☐ Circulator pump operates normally (correct rotation direction, no cavitation).
- ☐ Air separation device installed at point of no pressure change (typically at/downstream of expansion tank).
- ☐ Low-temperature return-water protection verified (if applicable). ☐ N/A
- ☐ Flow-sensing device verified (if forced-circulation heat source). ☐ N/A
- ☐ Radiant Floor Temperature Limits (if applicable): ☐ N/A
 - ☐ Finished floor surface maximum temperature verified not to exceed 29°C (84°F).
 - ☐ Flooring material (e.g., hardwood/LVP) maximum temperature rating: _____ °C.
 - ☐ Embedded subfloor safety sensor hard-limit set to: _____ °C. ☐ N/A (No temperature-sensitive flooring / No radiant floor installed)

Flow & Balancing:

- ☐ System balanced according to design (loops/manifolds adjusted).

Design Flow Rate: _____ L/s (_____ gpm) Actual Measured Flow: _____ L/s (_____ gpm)

Heat Output:

Supply Water Temp: _____ °C Return Water Temp: _____ °C ΔT : _____ °C

Result: ☐ Pass ☐ Fail ☐ N/A Notes: _____

Hydronic Heating Test Report

Test Date(s): _____

4. Final Documentation & Handover

CSA B214-21 Clause 4.6 — Confirms documentation provided and system returned to service.

- ☐ Heater, piping, and manifolds are labeled with zone/ID.
- ☐ System documentation left near appliance (heat loss calcs, flow rates, design temps).
- ☐ Owner instructed on operation.
- ☐ Heater and loop returned to service with system pressure/temperature restored.

Result: ☐ Pass ☐ Fail ☐ N/A Notes: _____

Date: _____

5. Deficiency Log

Record any deficiencies identified and corrective actions taken.

Deficiency	Location	Corrective Action	Completed By/Date	Retest Init./Date

6. Declaration

I certify that the tests and verifications listed above were performed on the installed, modified, or commissioned hydronic heating system in accordance with the Ontario Building Code and CSA B214-21, and that the results are accurately reported.

Tester's Signature:

Date:
