



SITE LOCATION PLAN - NTS

# DNA B109 Renovation - Trent University

**PROJECT ADDRESS**

2140 E. Bank Dr.  
Peterborough, ON  
K9L 1Z8

**ARCHITECTURAL PROJECT NUMBER**

2514

**REVISIONS**

NO	DATE	ISSUED FOR
01	NOVEMBER 19, 2025	CLIENT REVIEW
02	DECEMBER 19, 2025	CLIENT REVIEW
03	JANUARY 28, 2026	TENDER / PERMIT
04	FEBRUARY 11, 2026	RE-ISSUED FOR TENDER / PERMIT

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A101	PROPOSED FURNITURE PLAN
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Sheet List	
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M1	MECHANICAL LAYOUT
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E2	SPECIFICATION
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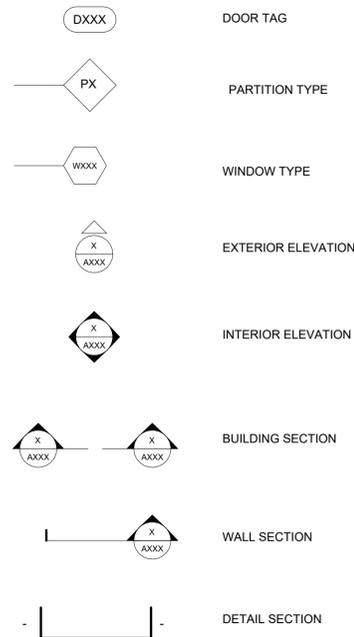
UNIT A ARCHITECTURE INC.  
151 SHAW STREET  
TORONTO, ONTARIO M6J 2W6  
T. 416 516 4656  
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**GENERAL NOTES:**

- DO NOT SCALE DRAWINGS
- READ ALL DRAWINGS IN CONJUNCTION WITH SPECIFICATIONS
- REFER TO AND COORDINATE WITH DRAWINGS PREPARED BY OTHER CONSULTANTS
- THE CONTRACTOR SHALL CHECK THE DRAWINGS AND VERIFY ALL DIMENSIONS OF THE WORK AND SHALL REPORT PROMPTLY ALL DISCREPANCIES, ERRORS AND OMISSIONS TO THE CONSULTANT AT LEAST ONE WEEK BEFORE ORDERING OR INSTALLING CONSTRUCTION MATERIALS OR MAKING ANY MATERIAL CHANGES TO THE WORK INVOLVING SUCH DISCREPANCIES, ERRORS OR OMISSIONS.
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES, AND REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
- THE WORK SHALL COMPLY WITH ALL CONSTRUCTION SAFETY REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, THE FIRE CODE OF ONTARIO, AND ALL OTHER APPLICABLE REGULATIONS OF JURISDICTIONAL AUTHORITIES.
- ALL DISTURBED WORK AND FINISHES TO MATCH EXISTING ADJACENT SURFACES UNLESS NOTED OTHERWISE OR AS DIRECTED BY CONSULTANT.
- REMOVE AND RECYCLE ALL SURPLUS AND PACKAGING MATERIALS DURING DEMOLITION. MAINTAIN CONSTRUCTION SITE IN A CLEAN AND SAFE CONDITION AT ALL TIMES.
- ALL WORK SHALL BE GUARANTEED AGAINST DEFECTS OF MATERIALS AND WORKMANSHIP FOR PERIOD AS INDICATED IN OWNER'S CONSTRUCTION AGREEMENT WITH CONTRACTOR.
- PERFORM EACH OPERATION OF THE WORK USING TRADES PEOPLE SPECIALIZING IN SUCH WORK, WITH THE OVERALL COORDINATION AND THE RESULT BEING THE RESPONSIBILITY OF THE CONTRACTOR.
- PRIOR TO COMMENCEMENT OF WORK, ENSURE THAT ALL TRADES ARE FULLY CONVERSANT WITH THE EXTENT OF THE WORK, THE CONDITIONS AND MATERIALS ON THE PROJECT, THE SCHEDULE OF COMPLETION, RESTRICTIONS TO SAFETY, AND TO ACCESS OF THE WORK AREA.
- ENSURE THAT ALL NECESSARY JOB DIMENSIONS ARE TAKEN AND ALL TRADES ARE COORDINATED FOR THE PROPER EXECUTION OF THE WORK; ASSUME COMPLETE RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS OF SUCH DIMENSIONS, AND FOR COORDINATION WITH TRADES.
- BE FULLY INFORMED OF ALL MATTERS AFFECTING THE SITE AND WORK TO BE DONE THEREON AT THE PLACE OF WORK. ENSURE THAT CONSTRUCTION PROCEEDS WITHOUT MISUNDERSTANDING OF SITE CONDITIONS AS A RESULT OF NEGLIGENCE IN THE EXAMINATION OF THE SITE.
- A COMPETENT SITE SUPERVISOR SHALL BE IN CHARGE OF THE WORK AT ALL TIMES WHILE WORK IS IN PROGRESS.
- COMPLETELY ISOLATE WORK AREA TO ENABLE USE OF ADJACENT AREAS. ENSURE THERE IS NO TRANSFER OF DUST VIA OVERHEAD DUCTWORK.
- UPON DEMOLITION OF EXISTING WORK, PROVIDE ADEQUATE TEMPORARY PROTECTION AS REQUIRED. TEMPORARY PROTECTION TO TRANSFER EXISTING LOADS IN AN ADEQUATE MANNER TO COMPENSATE FOR THE REMOVED COMPONENTS. THE CONSULTANT SHALL BE NOTIFIED OF EXISTING SITE CONDITIONS BEFORE PROCEEDING WITH THE WORK.
- ALL NEW WORK NOT FULLY SPECIFIED HEREIN SHALL BE APPROVED BY THE OWNER.
- FOR PRECISE INFORMATION REGARDING EXISTING SITE CONDITIONS REFER TO ORIGINAL ARCHITECT'S AND ENGINEERS' DRAWING AS WELL AS INSPECTING THE EXISTING PREMISES.
- CONCEALED SPACES IN INTERIOR WALLS, CRAWL SPACES, AND CEILING SHALL BE SEPARATED BY FIRE STOPS FROM CONCEALED SPACES IN EXTERIOR WALLS, ATTIC OR ROOF SPACES AS PER O.B.C.
- PROVIDE BITUMINOUS PAINT OR SIMILAR APPROVED BOND BREAKER BETWEEN ALL DISSIMILAR MATERIALS. ACCEPTABLE MANUFACTURER: Sika EVERBUILD® BLACK JACK® 901 BLACK BITUMEN PAINT.
- FOR COMPLETE MECHANICAL LAYOUT AND ALTERATIONS TO THE EXISTING SYSTEM, REFER TO MECHANICAL DRAWINGS AS PREPARED BY OTHER CONSULTANTS.
- ALL ELECTRICAL WORK SHALL BE INSPECTED BY THE ESA, THE COST OF WHICH SHALL BE SOLELY BORNE BY THE CONTRACTOR, FOR COMPLETE ELECTRICAL LAYOUT, ALTERATIONS TO THE EXISTING SYSTEM REFER TO ELECTRICAL DRAWINGS TO BE PREPARED BY OTHER CONSULTANTS.
- PAINT FINISH FOR EXISTING AND NEW WALL SURFACES, DOORS AND FRAMES TO MATCH EXISTING COLOURS AS FOUND ELSEWHERE IN THE BUILDING UNLESS NOTED OTHERWISE.
- GENERAL CONTRACTOR TO COORDINATE WITH MECHANICAL & ELECTRICAL CONTRACTORS AND TO PERFORM ALL THE CORE DRILLING, WALL/CEILING CUTTING, PATCHING AND REPAIR, PAINTING ETC., AS REQUIRED FOR THE INSTALLATION OF NEW MECHANICAL AND ELECTRICAL EQUIPMENT. SCAN ALL SLABS AND WALLS PRIOR TO PROCEEDING.
- GENERAL CONTRACTOR TO REVIEW REPORT ON ASBESTOS BUILDING MAINTENANCE SURVEY AND TO DISPOSE OF ANY HAZARDOUS MATERIALS IN ACCORDANCE WITH RECOMMENDED DISPOSAL METHOD IN THE SURVEY.
- ASSUME ALL COMPONENTS INDICATED ON DRAWINGS TO BE EXISTING UNLESS NOTED AS NEW OR DIFFERENTLY.

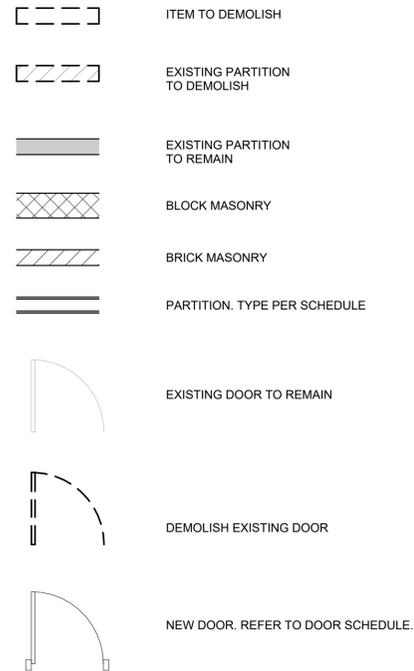
**DRAWING SYMBOLS:**



**ABBREVIATIONS:**

&	AND	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
@	AT	IE	INTERIOR ELEVATION
ACT	ACOUSTIC CEILING TILE	INSUL	INSULATED
AD	AREA DRAIN	INT	INTERIOR
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
ALUM	ALUMINUM	MO	MASONRY OPENING
ANOD	ANODIZED	MECH	MECHANICAL
BLK.	BLOCK	MIN	MINIMUM
BYND	BEYOND	MTL	METAL
BOT	BOTTOM	NIC	NOT IN CONTRACT
CIP	CAST IN PLACE	OC	ON CENTER
CHNL	CHANNEL	PLB	PLUMBING
CJ	CONTROL JOINT	PLYD	PLYWOOD
CLG	CEILING	PT	PRESSURE TREATED
C	CENTRE LINE	LCW	LAB CASEWORK
CLR	CLEAR	PNT	PAINT/PAINTED
CMU	CONCRETE MASONRY UNIT	RCP	REFLECTED CEILING PLAN
COL	COLUMN	RD	ROOF DRAIN
CONC	CONCRETE	REQD	REQUIRED
CONT	CONTINUOUS	RM	ROOM
DEMO	DEMOLISH	RO	ROUGH OPENING
DIA	DIAMETER	RWL	RAIN WATER LEADER
DIMS	DIMENSIONS	SIM	SIMILAR
DWN	DOWN	SSTL	STAINLESS STEEL
DR	DOOR	STC	SOUND
DWNG	DRAWING		TRANSMISSION COEFFICIENT
EA	EACH	STL	STEEL
EL	ELEVATION	STRUCT	STRUCTURAL
ELEC	ELECTRICAL	T/O	TOP OF
EQ	EQUAL	TOC	TOP OF CONCRETE
EX	EXISTING	TOS	TOP OF STEEL
EXP JT	EXPANSION JOINT	TYP	TYPICAL
FD	FLOOR DRAIN	UNO	UNLESS NOTED OTHERWISE
FIXT	FIXTURE	UIS	UNDERSIDE
FLR	FLOOR	VIF	VERIFY IN FIELD
FO	FACE OF	W/	WITH
FND	FOUNDATION	WD	WOOD EXISTING
FRR	FIRE RESISTANCE RATING		
GA	GAUGE		
GALV	GALVANIZED		
GWB	GYPSPUM WALL BOARD		
HM	HOLLOW METAL		

**DRAWING LEGEND:**



No.	DATE	ISSUE
08	2026 FEB. 11	RE-ISSUED FOR TENDER/PERMIT
06	2026 JAN. 28	ISSUED FOR TENDER/PERMIT
05	2025 DEC. 19	CLIENT REVIEW
03	2025 NOV. 19	CLIENT REVIEW

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 t: 416 516 4656  
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PROJECT TITLE  
**DNA B109 Renovation - Trent University**

PROJECT ADDRESS  
**2140 E Bank Dr  
 Peterborough, ON  
 K9L 1Z8**

PROJECT NO.  
**2514**  
 Client Project #:

DRAWING NAME  
**GENERAL NOTES AND LEGEND**

DRAWING DATE  
**2025/09/15**

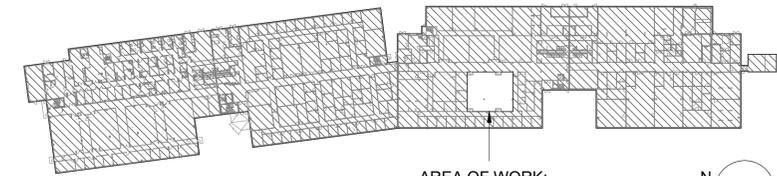
DRAWING SCALE  
**12" = 1'-0"**

DRAWING NO.  
**A001**

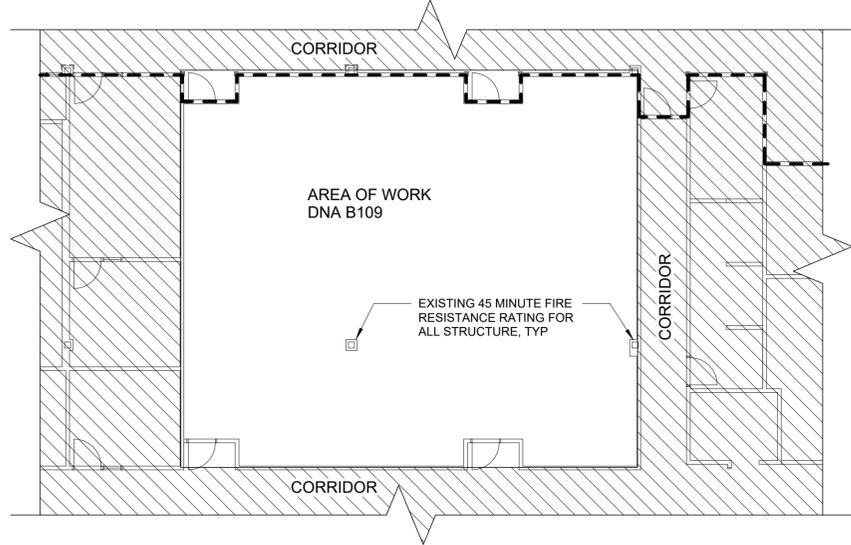


**PART 11 - RENOVATION OF EXISTING BUILDING** OBC REFERENCE [1]

11.00 BUILDING CODE VERSION	O.REG. 163/24 <span style="float: right;">LAST AMENDMENT O.REG. 447/24</span>																			
11.01 PROJECT TYPE	<input type="checkbox"/> New <input type="checkbox"/> Addition <input checked="" type="checkbox"/> Renovation <input type="checkbox"/> Change of Use <input type="checkbox"/> Addition and Renovation DESCRIPTION: <u>RENOVATION OF WORKSPACE TO STUDENT LOUNGE</u>	[A] 1.3.3.3B																		
11.02 MAJOR OCCUPANCY CLASSIFICATION	OCCUPANCY USE <u>A2</u> <u>CLASSROOMS (AREA OF WORK)</u> <u>D</u> <u>OFFICES (ABOVE CLASSROOMS)</u> <u>F3</u> <u>LABS</u>	3.1.2.1.(1), 2.1.4.1.(1), AND 11.2.1.																		
11.03 SUPERIMPOSED MAJOR OCCUPANCY	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes DESCRIPTION: <u>GROUP D OFFICES ABOVE GROUP A2</u>	11.2, 3.2.2.5, TO 3.2.2.8, AND 2.2.1.																		
11.04 BUILDING AREA (m²)	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 10%;">EXISTING</th> <th style="width: 10%;">NEW</th> <th style="width: 20%;">TOTAL</th> </tr> <tr> <td><u>EXISTING BUILDING</u></td> <td style="text-align: center;"><u>EX. TO REMAIN</u> 0</td> <td></td> <td style="text-align: center;"><u>NO CHANGE</u></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td colspan="3">6135 SQ.M (NO CHANGE)</td> </tr> </table>	DESCRIPTION	EXISTING	NEW	TOTAL	<u>EXISTING BUILDING</u>	<u>EX. TO REMAIN</u> 0		<u>NO CHANGE</u>	TOTAL	6135 SQ.M (NO CHANGE)			[A] 1.4.1.2, 11.2, AND 11.3.						
DESCRIPTION	EXISTING	NEW	TOTAL																	
<u>EXISTING BUILDING</u>	<u>EX. TO REMAIN</u> 0		<u>NO CHANGE</u>																	
TOTAL	6135 SQ.M (NO CHANGE)																			
11.05 BUILDING HEIGHT	<u>2</u> STOREYS ABOVE GRADE <span style="float: right;"><u>9.565</u> (m) ABOVE GRADE</span> <u>0</u> STOREYS BELOW GRADE	[A] 1.4.1.2., 3.2.1.1., 2.2.2.2., AND 11.3.																		
11.06 NUMBER OF STREETS/FIREFIGHTER ACCESS	<u>4</u> STREET(S)	3.2.2.10., 3.2.5., 2.2.4.1., AND 11.3.																		
11.07 BUILDING SIZE	<input type="checkbox"/> Small <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Large <input type="checkbox"/> >Large	11.2.1.1., AND T11.2.1.1.B-N.																		
11.08 EXISTING BUILDING CLASSIFICATION	CHANGE IN MAJOR OCCUPANCY: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not Applicable CONSTRUCTION INDEX: <u>NO CHANGE</u> HAZARD INDEX: <u>NO CHANGE</u> IMPORTANCE CATEGORY: <input type="checkbox"/> Low <input checked="" type="checkbox"/> High <input type="checkbox"/> Normal <input type="checkbox"/> Post-Disaster	10.1.1.2., 11.2.1.1., T 11.2.1.1.A T 11.2.1.1.B TO N 4.1.2.1.(3), 2.3.1., AND 5.2.2.1.(2)																		
11.09 RENOVATION TYPE	<input checked="" type="checkbox"/> Basic <input type="checkbox"/> Extensive	11.3.3.1., AND 11.3.3.2.																		
11.10 OCCUPANT LOAD	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">FLOOR AREA/LEVEL</th> <th style="width: 25%;">OCCUPANCY TYPE</th> <th style="width: 25%;">BASED ON</th> <th style="width: 25%;">OCCUPANT LOAD(PERSONS)</th> </tr> <tr> <td><u>NO CHANGE</u></td> <td><u>ASSEMBLY</u></td> <td></td> <td><u>NO CHANGE</u></td> </tr> </table>	FLOOR AREA/LEVEL	OCCUPANCY TYPE	BASED ON	OCCUPANT LOAD(PERSONS)	<u>NO CHANGE</u>	<u>ASSEMBLY</u>		<u>NO CHANGE</u>	3.1.17., 2.1.2.2., AND 11.4.2.2.										
FLOOR AREA/LEVEL	OCCUPANCY TYPE	BASED ON	OCCUPANT LOAD(PERSONS)																	
<u>NO CHANGE</u>	<u>ASSEMBLY</u>		<u>NO CHANGE</u>																	
11.11a PLUMBING FIXTURE REQUIREMENTS	RATIO: MALE:FEMALE = 50:50 EXCEPT AS NOTED OTHERWISE <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">FLOOR AREA/LEVEL</th> <th style="width: 15%;">OCCUPANT LOAD</th> <th style="width: 15%;">OBC REFERENCE</th> <th style="width: 15%;">WCs REQUIRED</th> <th style="width: 15%;">WCs PROVIDED</th> </tr> <tr> <td><u>NO CHANGE</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> </tr> </table>	FLOOR AREA/LEVEL	OCCUPANT LOAD	OBC REFERENCE	WCs REQUIRED	WCs PROVIDED	<u>NO CHANGE</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	3.7.4., 11.3.4., 11.3.5., 11.4.2.4., AND 11.4.2.5.								
FLOOR AREA/LEVEL	OCCUPANT LOAD	OBC REFERENCE	WCs REQUIRED	WCs PROVIDED																
<u>NO CHANGE</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>																
11.11b PLUMBING FIXTURE REQUIREMENTS CONTINUED:	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">FLOOR AREA/LEVEL</th> <th style="width: 15%;">BARRIER-FREE WCs REQUIRED</th> <th style="width: 15%;">BARRIER-FREE WCs PROVIDED</th> <th style="width: 15%;">UNIVERSAL WASHROOMS REQUIRED</th> <th style="width: 15%;">UNIVERSAL WASHROOMS PROVIDED</th> </tr> <tr> <td><u>NO CHANGE</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> <td><u>X</u></td> </tr> </table>	FLOOR AREA/LEVEL	BARRIER-FREE WCs REQUIRED	BARRIER-FREE WCs PROVIDED	UNIVERSAL WASHROOMS REQUIRED	UNIVERSAL WASHROOMS PROVIDED	<u>NO CHANGE</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	TABLES 3.8.2.3.A AND 3.8.2.3.B								
FLOOR AREA/LEVEL	BARRIER-FREE WCs REQUIRED	BARRIER-FREE WCs PROVIDED	UNIVERSAL WASHROOMS REQUIRED	UNIVERSAL WASHROOMS PROVIDED																
<u>NO CHANGE</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>																
11.12 BARRIER-FREE DESIGN:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>IN AREA OF WORK ONLY</u>	11.3.1.2., 11.3.2., 11.3.3.2.																		
BARRIER-FREE ENTRANCES:	NUMBER: <u>N/A</u> <u>EXISTING TO REMAIN</u>																			
11.13 REDUCTION IN PERFORMANCE LEVEL	<table style="width: 100%; border-collapse: collapse;"> <tr> <td>STRUCTURAL:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.2.1.</td> </tr> <tr> <td>BY INCREASE IN OCCUPANT LOAD:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.2.2.</td> </tr> <tr> <td>BY CHANGE IN MAJOR OCCUPANCY:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.2.3.</td> </tr> <tr> <td>PLUMBING:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.2.4.</td> </tr> <tr> <td>SEWAGE-SYSTEM:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.2.5.</td> </tr> <tr> <td>EXTENSION OF COMBUSTIBLE CONSTRUCTION:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.2.6.</td> </tr> </table>	STRUCTURAL:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.1.	BY INCREASE IN OCCUPANT LOAD:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.2.	BY CHANGE IN MAJOR OCCUPANCY:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.3.	PLUMBING:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.4.	SEWAGE-SYSTEM:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.5.	EXTENSION OF COMBUSTIBLE CONSTRUCTION:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.6.	
STRUCTURAL:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.1.																		
BY INCREASE IN OCCUPANT LOAD:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.2.																		
BY CHANGE IN MAJOR OCCUPANCY:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.3.																		
PLUMBING:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.4.																		
SEWAGE-SYSTEM:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.5.																		
EXTENSION OF COMBUSTIBLE CONSTRUCTION:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2.6.																		
11.14 COMPENSTAING CONSTRUCTION	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <table style="width: 100%; border-collapse: collapse;"> <tr> <td>STRUCTURAL:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.3.1.</td> </tr> <tr> <td>BY INCREASE IN OCCUPANT LOAD:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.3.2.</td> </tr> <tr> <td>BY CHANGE IN MAJOR OCCUPANCY:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.3.3.</td> </tr> <tr> <td>PLUMBING:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.3.4.</td> </tr> <tr> <td>SEWAGE-SYSTEM:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.3.5.</td> </tr> <tr> <td>EXTENSION OF COMBUSTIBLE CONSTRUCTION:</td> <td><input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</td> <td>11.4.3.6.</td> </tr> </table>	STRUCTURAL:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.1.	BY INCREASE IN OCCUPANT LOAD:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.2.	BY CHANGE IN MAJOR OCCUPANCY:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.3.	PLUMBING:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.4.	SEWAGE-SYSTEM:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.5.	EXTENSION OF COMBUSTIBLE CONSTRUCTION:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.6.	11.4.3.1., 11.4.3.2., 11.4.3.3., 11.4.3.4., 11.4.3.5., 11.4.3.6., AND 11.4.3.7.
STRUCTURAL:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.1.																		
BY INCREASE IN OCCUPANT LOAD:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.2.																		
BY CHANGE IN MAJOR OCCUPANCY:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.3.																		
PLUMBING:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.4.																		
SEWAGE-SYSTEM:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.5.																		
EXTENSION OF COMBUSTIBLE CONSTRUCTION:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.3.6.																		
11.15 COMPLIANCE ALTERNATIVES PROPOSED	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes DESCRIPTION: _____ DESCRIPTION: _____ DESCRIPTION: _____ DESCRIPTION: _____	11.5.1.																		
11.16 ALTERNATIVE SOLUTIONS	N/A	[A] 1.2.1.1., AND [C] 2.1.																		



KEY PLAN - AREA OF WORK  
1" = 100'-0"



LEGEND  
- - - - - EXISTING 0 HR FIRE SEPARATION

FIRE SEPARATIONS DIAGRAM  
1" = 10'-0"

No.	DATE	ISSUE
08	2026 FEB. 11	RE-ISSUED FOR TENDER/PERMIT
06	2026 JAN. 28	ISSUED FOR TENDER/PERMIT
05	2025 DEC. 19	CLIENT REVIEW
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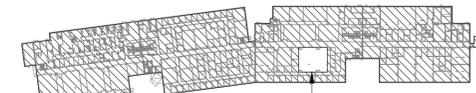
PROJECT TITLE  
**DNA B109 Renovation - Trent University**

PROJECT ADDRESS  
**2140 E Bank Dr  
Peterborough, ON  
K9L 1Z8**

PROJECT NO.  
**2514**  
Client Project #:  
DRAWING NAME  
**OBC ANALYSIS**

DRAWING DATE  
**2025/12/17**  
DRAWING SCALE  
**As indicated**

DRAWING NO.  
**A002**



DNA B109

KEY PLAN - AREA OF WORK

GENERAL NOTES:

- DO ALL DEMOLITION WORK TO FACILITATE NEW CONSTRUCTION WORK.
- MAKE GOOD ALL AREAS OF DISTURBED WORK
- WHERE A SUBSTRATE IS UNKNOWN, ASSUME HEAVY DUTY MORTAR OR ADHESIVE WAS INSTALLED
- COORD. ALL DEMO WORK REMOVALS W/ MECH. AND ELEC. DWGS.
- NOT ALL ITEMS ARE SHOWN FOR DEMO. CONTRACTOR IS TO FAMILIARIZE THEMSELVES WITH EX. CONDITIONS DURING BIDDERS WALK THROUGH PRIOR TO BIDDING.
- MAKE GOOD ALL EX. BLK WALLS PATCH & REPAIR ALL DELETERIOUS CONDITIONS, HOLES, CRACKS VIA MORTAR PATCH FILLER, FILLER TO BE SANDED SMOOTH & FEATHERED TO ADJ. BLK.
- PROTECT EXISTING FINISHES AND EQUIPMENT TO REMAIN DURING THE COURSE OF WORK.
- CONTRACTOR TO COORDINATE W/ OWNER FOR REMOVING AND REINSTATING ALL REMOVABLE FURNITURE, EQUIPMENT, AND ITEMS PRIOR TO DEMOLITION WORK.

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06	2026 JAN. 28	ISSUED FOR TENDER/PERMIT
05	2025 DEC. 19	CLIENT REVIEW

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PROJECT TITLE  
**DNA B109 Renovation -  
Trent University**

PROJECT ADDRESS  
**2140 E Bank Dr  
Peterborough, ON  
K9L 1Z8**

PROJECT NO.  
**2514**  
Client Project #:

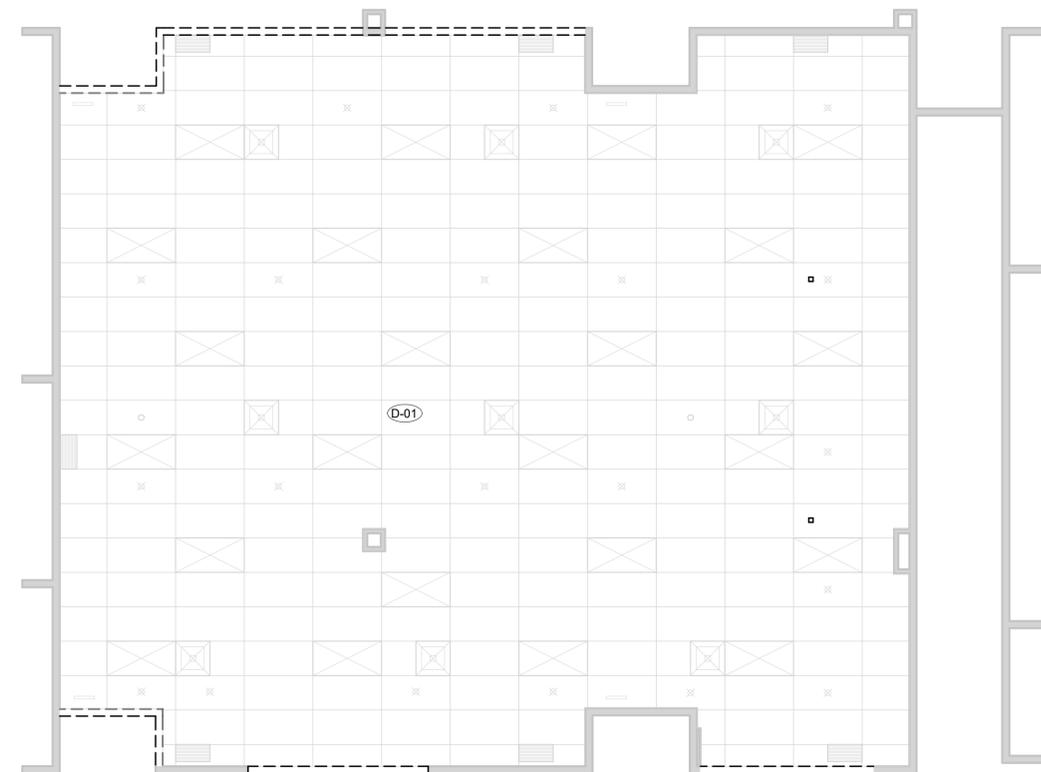
DRAWING NAME  
**DEMOLITION FLOOR  
PLAN AND RCP**

DRAWING DATE  
**2025/12/10**

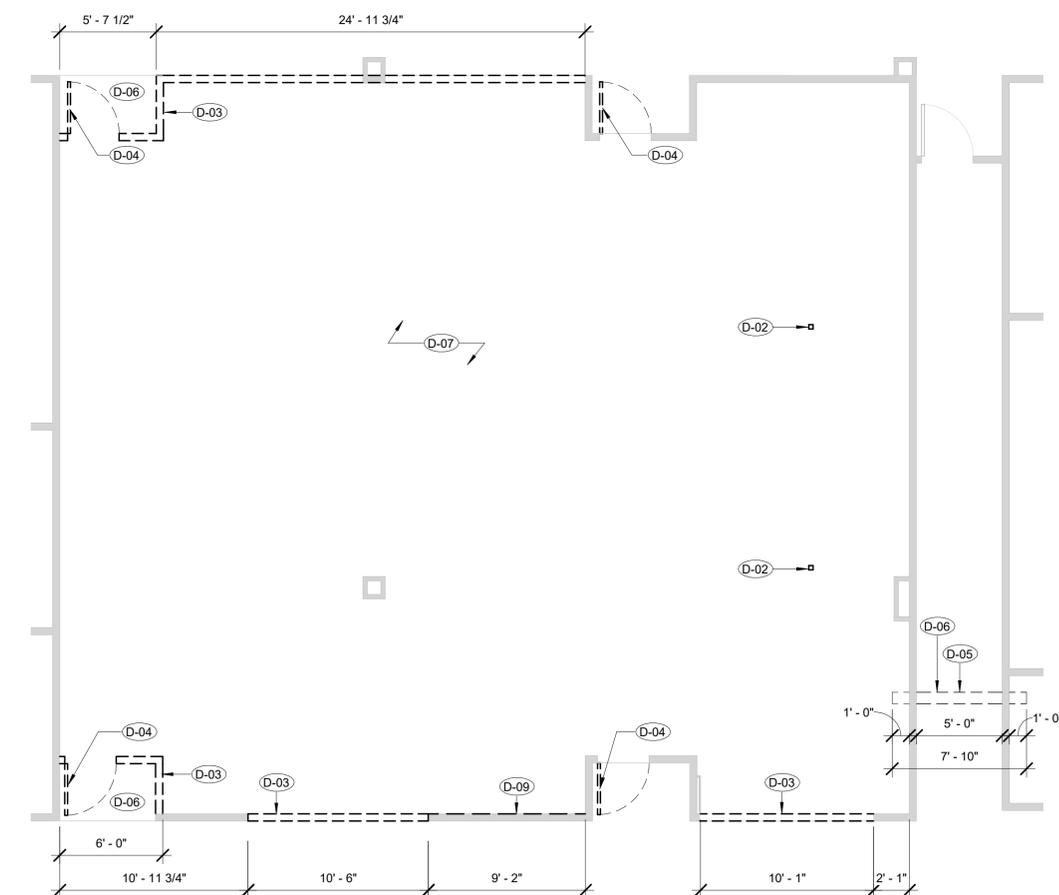
DRAWING SCALE  
**As indicated**

DRAWING NO.  
**AD100**

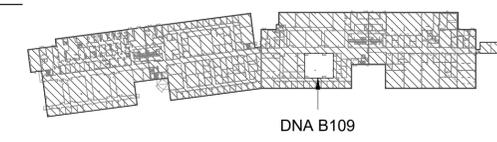
NOTE	DESCRIPTION
D-01	EX. CEILING GRID TO REMAIN. DEMOLISH AS REQUIRED TO ACCOMODATE NEW PARTITIONS.
D-02	DEMOLISH UTILITY POLE.
D-03	DEMOLISH EX. PARTITION.
D-04	DEMOLISH EX. DOOR.
D-05	TRENCH FLOOR TO EXISTING KITCHENETTE FOR WASTEWATER CONNECTION
D-06	DEMOLISH EXISTING VCT FLOOR FINISH AND ADHESIVE DOWN TO CONCRETE SLAB.
D-07	DEMOLISH EXISTING CARPET TILE FLOOR FINISH, BASE AND HEAVY DUTY ADHESIVE THROUGHOUT ROOM DOWN TO CONCRETE SLAB. PATCH AND MAKE GOOD FOR NEW FLOOR AND BASE FINISH INSTALLATION
D-09	DEMOLISH GWB AS REQUIRED TO FACILITATE EXTRA REINFORCING IN WALL.



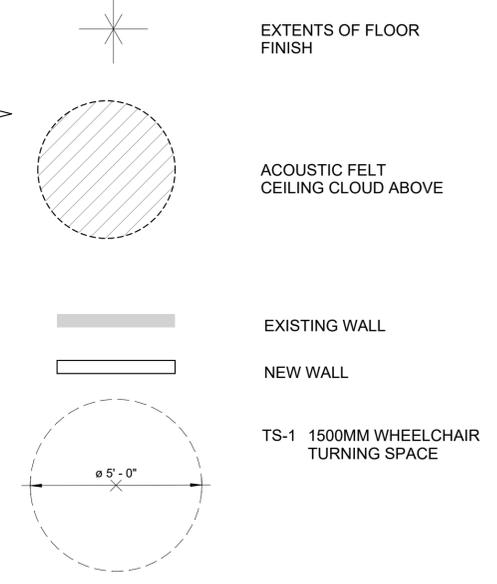
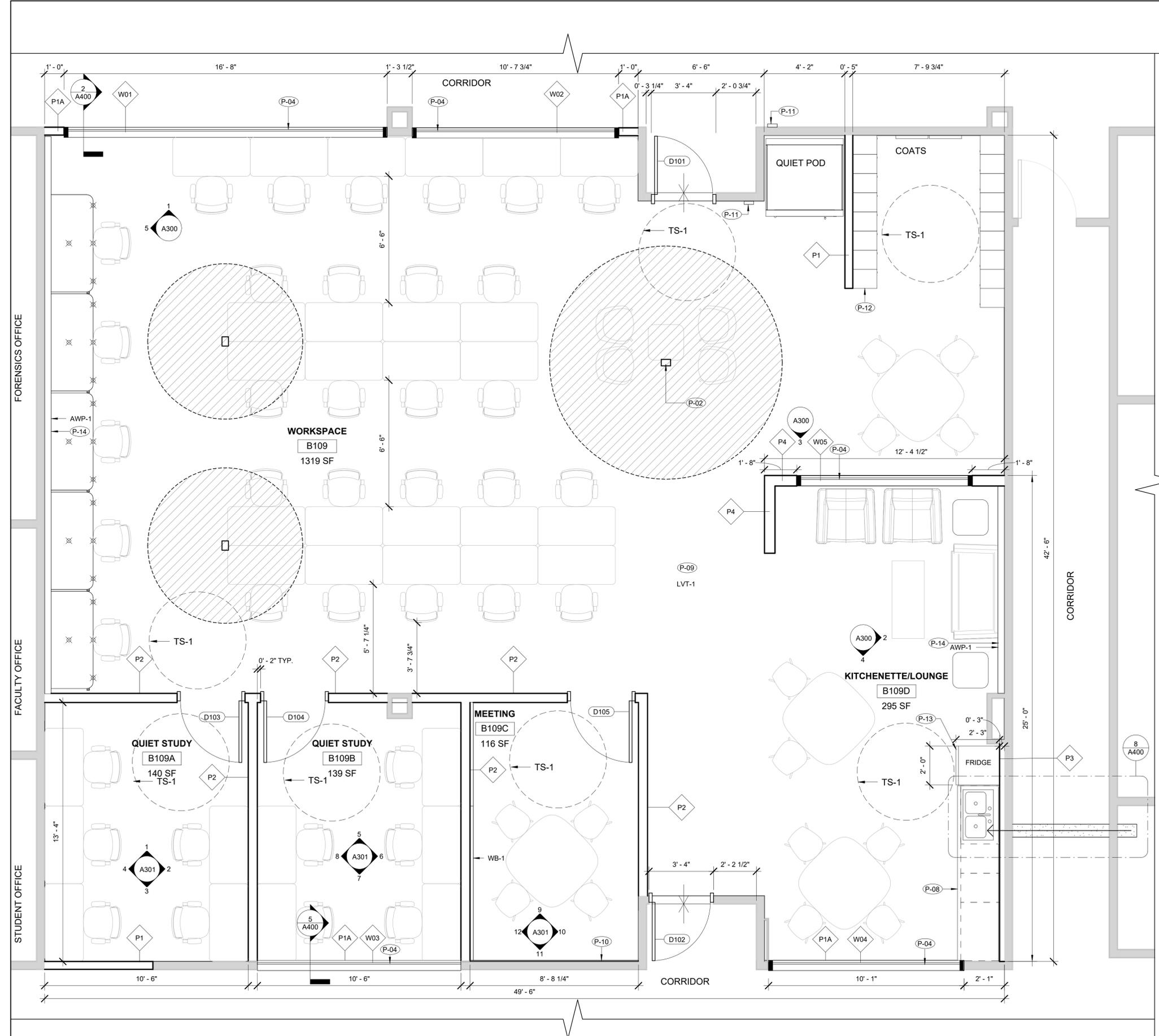
② FIRST FLOOR RCP DEMO  
3/16" = 1'-0"



① FIRST FLOOR DEMO  
3/16" = 1'-0"



KEY PLAN - AREA OF WORK



NOTE	DESCRIPTION
P-02	PROVIDE NEW UTILITY POLE. REFER TO ELEC. DWGS.
P-04	PROVIDE NEW WINDOW. REFER TO SPEC. 08 11 16 FOR ALUMINUM FRAME AND 08 80 50 FOR GLAZING
P-08	PROVIDE NEW CASEWORK. REFER TO CASEWORK DETAILS
P-09	PROVIDE NEW LVT FLOORING AND RUBBER BASE THROUGHOUT ROOM, REFER TO FINISHES SCHEDULE FOR FINISH SPECIFICATIONS.
P-10	PROVIDE EXTRA VERTICAL 2X4 METAL STUD REINFORCING AT 8" O.C." UP TO 8'11" H TO SUPPORT SCREENS TO BE INSTALLED BY CLIENT. PROVIDE NEW GWB TO MATCH EXISTING P1 WALL ASSEMBLY.
P-11	EXISTING POWER DOOR OPERATOR SWITCH TO REMAIN. REFER TO ELEC. DWGS FOR DETAIL
P-12	PROVIDE NEW LOCKERS. REFER TO SPEC. 12 50 00 FURNITURE.
P-13	PROVIDE NEW FRIDGE. REFER TO SPEC. 11 40 00 FOOD SERVICE EQUIPMENT.
P-14	PROVIDE NEW ACOUSTIC WALL PANEL WALL. PROVIDE Z-RAILS AND Z-CLIP SYSTEM ALONG TOP AND BOTTOM OF PANELS. TYP. REFER TO SPEC. 09 84 00 FOR DETAIL

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04	2025 DEC. 08	CLIENT REVIEW
03	2025 NOV. 19	CLIENT REVIEW
02	2025 OCT. 07	CLIENT REVIEW
01	2025 APR. 15	25% CLIENT REVIEW REVISED
00	2025 MAR. 28	25% CLIENT REVIEW

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PROJECT TITLE  
**DNA B109 Renovation - Trent University**

PROJECT ADDRESS  
**2140 E Bank Dr  
Peterborough, ON  
K9L 1Z8**

PROJECT NO.  
**2514**

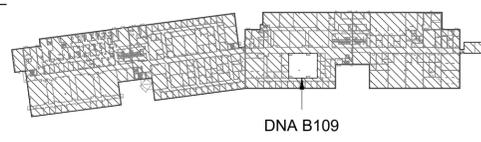
Client Project #:  
**PROPOSED FLOOR PLAN**

DRAWING DATE  
**2025/10/20**

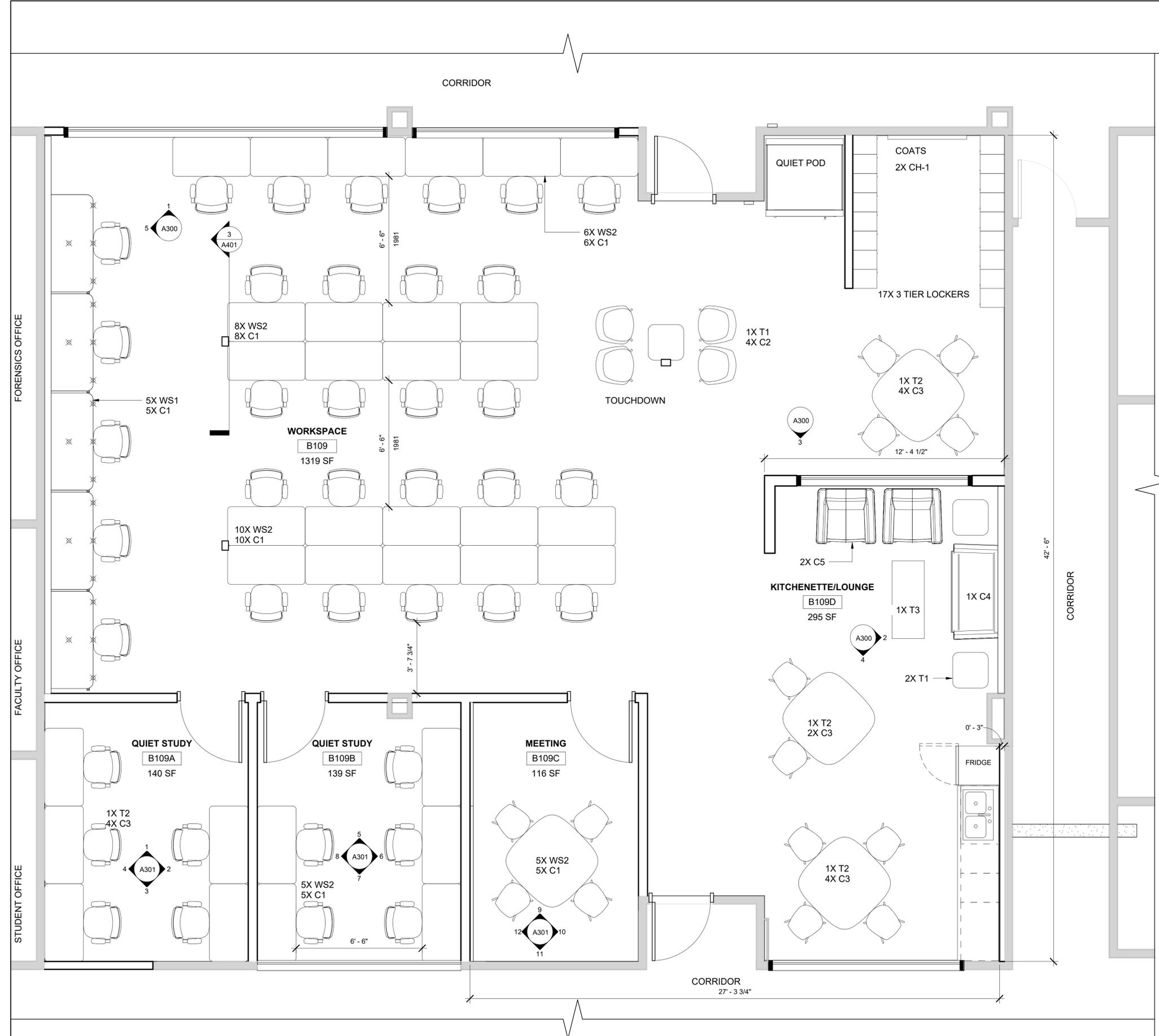
DRAWING SCALE  
**As indicated**

DRAWING NO.  
**A100**

FIRST FLOOR PARTIAL PLAN  
PROPOSED  
3/8" = 1'-0"



KEY PLAN - AREA OF WORK



**NOTES:**

- FURNITURE IS NOT PART OF BASE CONTRACT. IT IS TO BE ORDERED THROUGH CASH ALLOWANCE. GC TO COORDINATE PROCUREMENT, DELIVERY, AND INSTALLATION OF FURNITURE

**FURNITURE LEGEND**  
REFER TO SPEC. 12 50 00

- C1 FACTOR WORK CHAIR, GLOBAL
- C2 DRIFT CHAIR, GLOBAL
- C3 ENEA ALTZO943, NON UPHOLTERED, STEELCASE
- C4 WATSON LOVE SEAT, ALLSEATING
- C5 WATSON CLUB CHAIR, ALLSEATING
- WS1 30"x60" ROUTES DESK, TEKNION
- WS2 24"x48" VERB, STEELCASE
- T1 DRIFT COFFEE TABLE, GLOBAL
- T2 ZONES CANTEEN TABLE, TEKNION
- T3 48"x20" WIND TABLE, GLOBAL
- LOCKERS THREE H HOTELING OFFICE LOCKERS, 3 TIER. 15" D x 12" W x 84" H
- CH-1 RICHELIEU UTILITY COAT RACK WITH 5 HOOKS ON 23.7- IN BLACK WOODEN PLATE

**HOT DESK: 34**  
**PERSONAL DESK: 5**  
**TOTAL DESKS: 39**

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02	2025 OCT. 07	CLIENT REVIEW
01	2025 APR. 15	25% CLIENT REVIEW REVISED
00	2025 MAR. 28	25% CLIENT REVIEW

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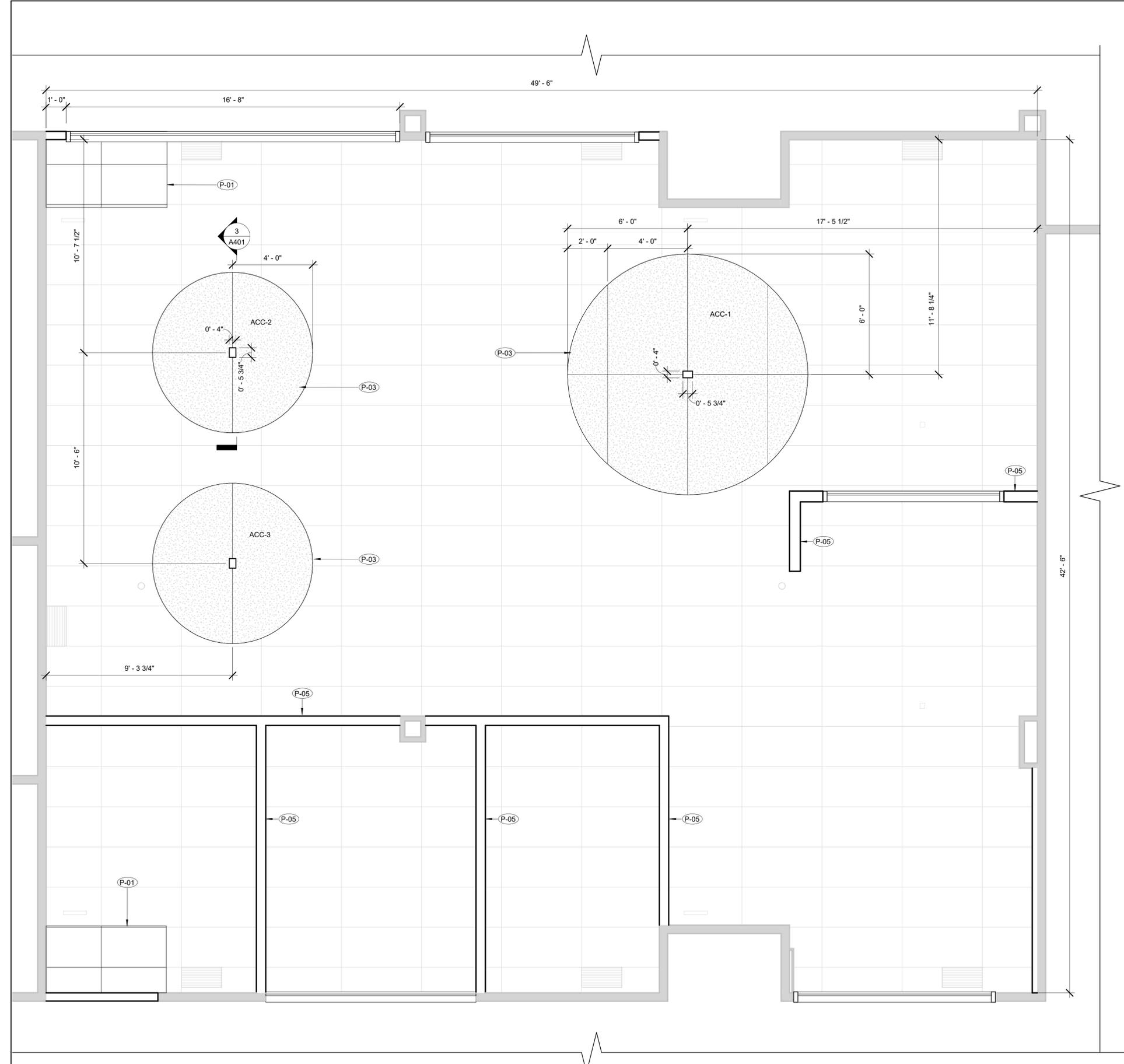
PROJECT NO.  
**2514**

Client Project #:  
**PROPOSED FURNITURE PLAN**

DRAWING DATE  
**2025/10/20**

DRAWING SCALE  
**As indicated**

DRAWING NO.  
**A101**



1 FIRST FLOOR RCP PROPOSED  
3/8" = 1'-0"

NOTES	
NOTE	DESCRIPTION
P-01	PROVIDE NEW ACT CEILING, SUSPENSION GRID AND ASSOCIATED HANGERS. MATCH EXISTING CEILING HEIGHT. ALIGN GRID TO EXISTING CEILING.
P-03	PROVIDE NEW ACOUSTIC CEILING CLOUD. REFER TO SPEC. 09 84 00. COORDINATE WITH MECH. AND ELEC. DRAWINGS FOR CUTOUTS AND COMPONENTS MOUNTED TO CLOUD. PREFABRICATE CUTOUTS OFFSITE.
P-05	PROVIDE ACOUSTIC CEILING ACCESSORIES AS NEEDED TO MODIFY EXISTING CEILING TO SUIT NEW ROOM LAYOUT, TYPICAL.

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PROJECT ADDRESS  
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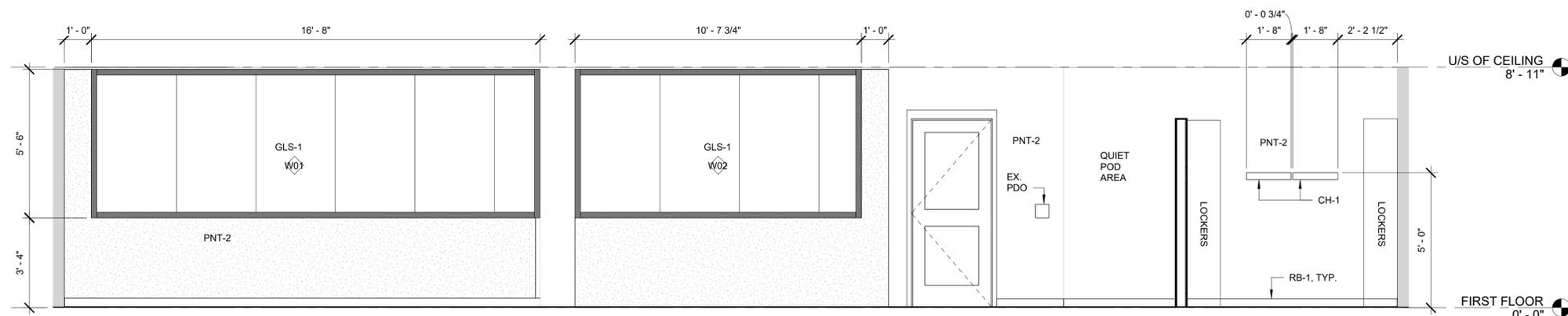
PROJECT NO.  
**2514**  
Client Project #:

DRAWING NAME  
**PROPOSED REFLECTED CEILING PLAN**

DRAWING DATE  
**2025/09/05**

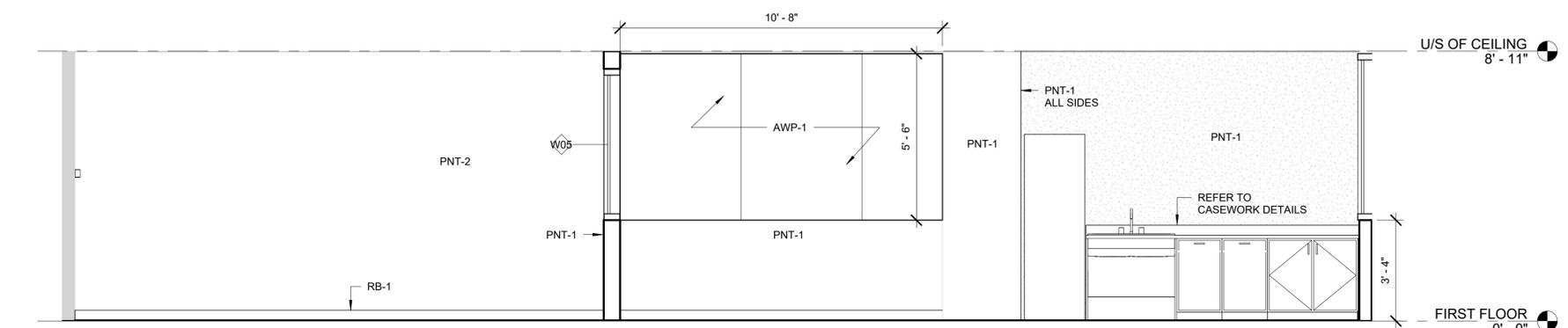
DRAWING SCALE  
**3/8" = 1'-0"**

DRAWING NO.  
**A102**

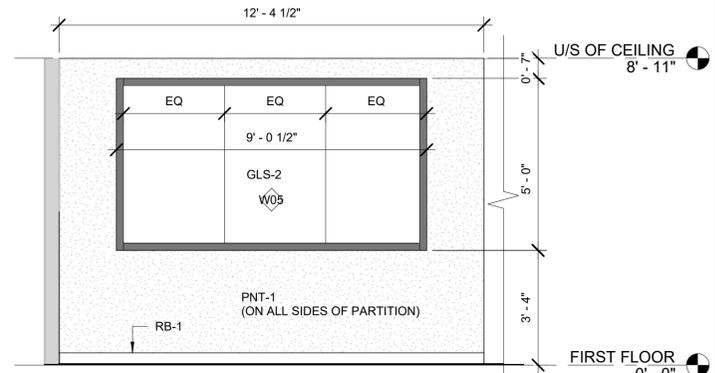


GENERAL NOTES:  
1. FURNITURE IS NOT PART OF BASE CONTRACT. IT IS TO BE ORDERED THROUGH CASH ALLOWANCE. GC TO COORDINATE PROCUREMENT, DELIVERY, AND INSTALLATION OF FURNITURE

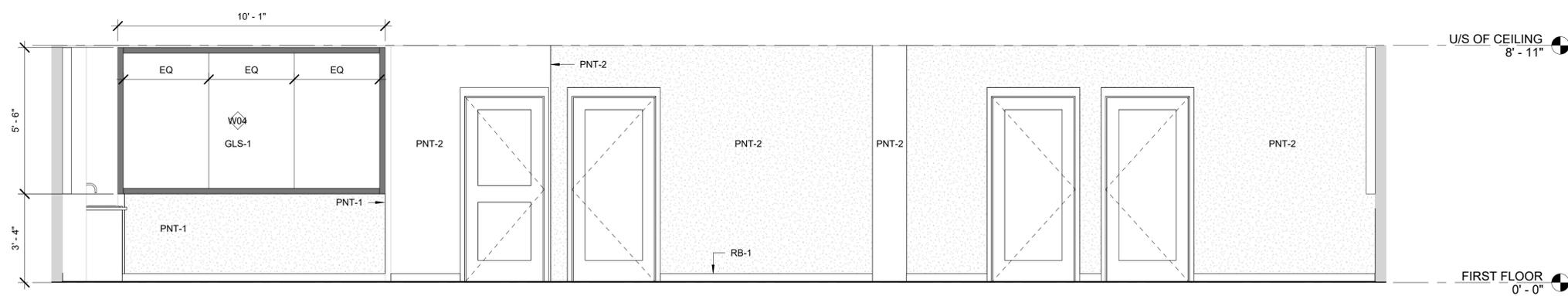
1 INTERIOR ELEVATION A  
3/8" = 1'-0"



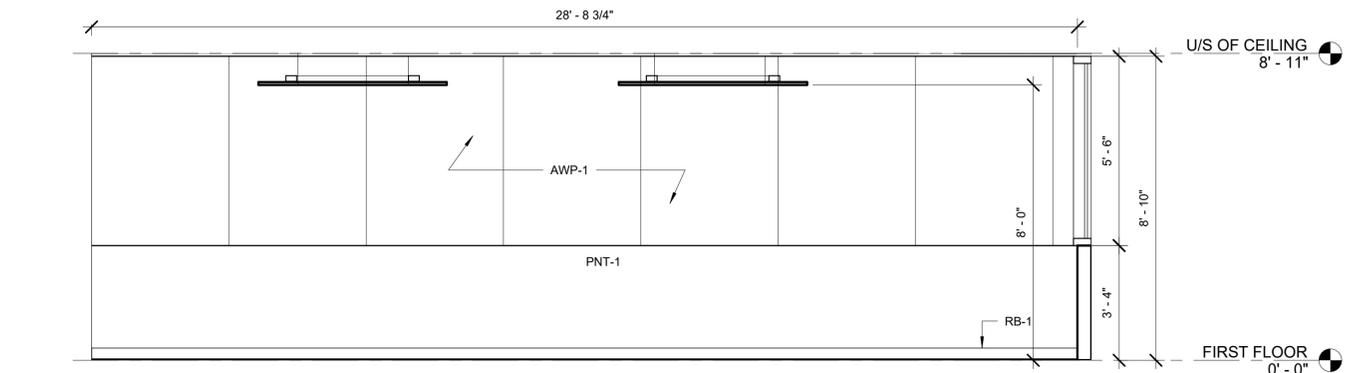
2 INTERIOR ELEVATION B  
3/8" = 1'-0"



3 PARTIAL INTERIOR ELEVATION - KITCHENETTE WINDOW  
3/8" = 1'-0"



4 INTERIOR ELEVATION C  
3/8" = 1'-0"



5 INTERIOR ELEVATION D  
3/8" = 1'-0"

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Peterborough, ON  
K9L 1Z8**

PROJECT NO.  
**2514**  
Client Project #:

DRAWING NAME  
**INTERIOR ELEVATION PROPOSED**

DRAWING DATE  
**2025/11/17**

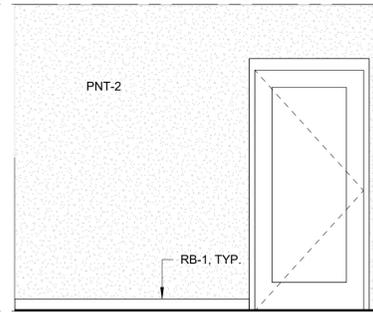
DRAWING SCALE  
**3/8" = 1'-0"**

DRAWING NO.  
**A300**

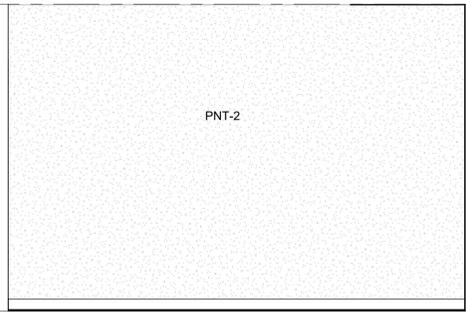


U/S OF CEILING  
8' - 11"

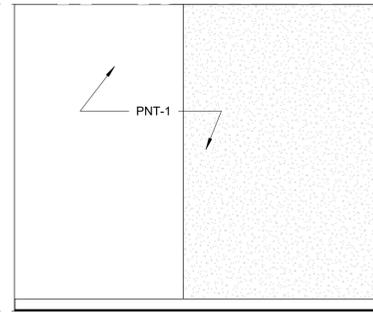
FIRST FLOOR  
0' - 0"



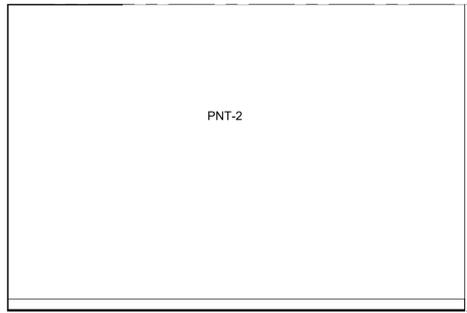
1 STUDY RM B109A ELEVATION A  
3/8" = 1'-0"



2 STUDY RM B109A ELEVATION B  
3/8" = 1'-0"



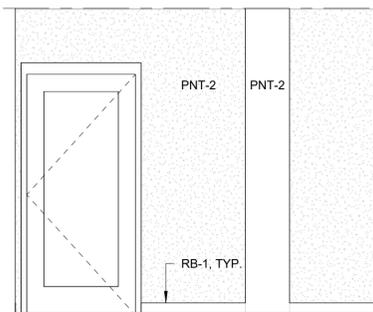
3 STUDY RM B109A ELEVATION C  
3/8" = 1'-0"



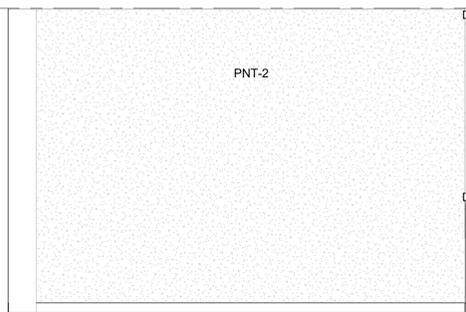
4 STUDY RM B109A ELEVATION D  
3/8" = 1'-0"

U/S OF CEILING  
8' - 11"

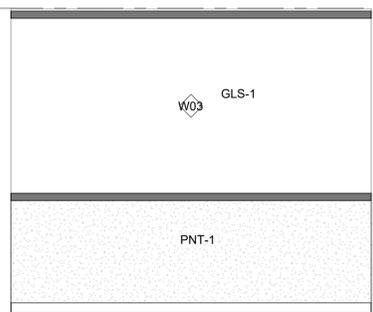
FIRST FLOOR  
0' - 0"



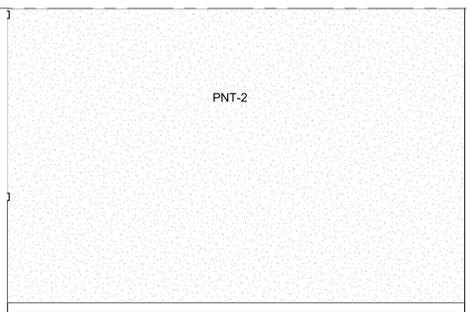
5 STUDY RM B109B ELEVATION A  
3/8" = 1'-0"



6 STUDY RM B109B ELEVATION B  
3/8" = 1'-0"



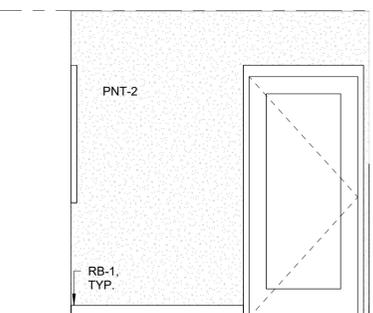
7 STUDY RM B109B ELEVATION C  
3/8" = 1'-0"



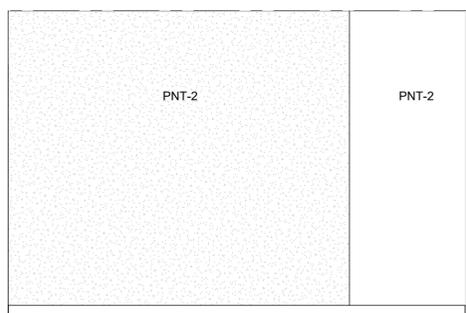
8 STUDY RM B109B ELEVATION D  
3/8" = 1'-0"

U/S OF CEILING  
8' - 11"

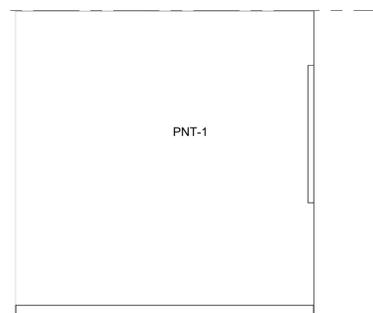
FIRST FLOOR  
0' - 0"



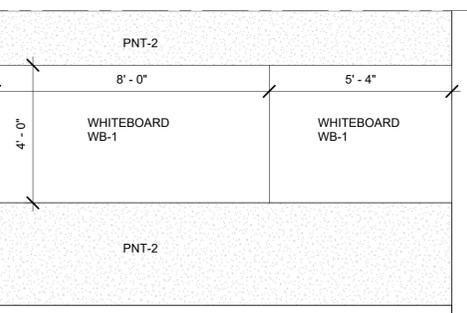
9 MEETING RM ELEVATION A  
3/8" = 1'-0"



10 MEETING RM ELEVATION B  
3/8" = 1'-0"



11 MEETING RM ELEVATION C  
3/8" = 1'-0"



12 MEETING RM ELEVATION D  
3/8" = 1'-0"

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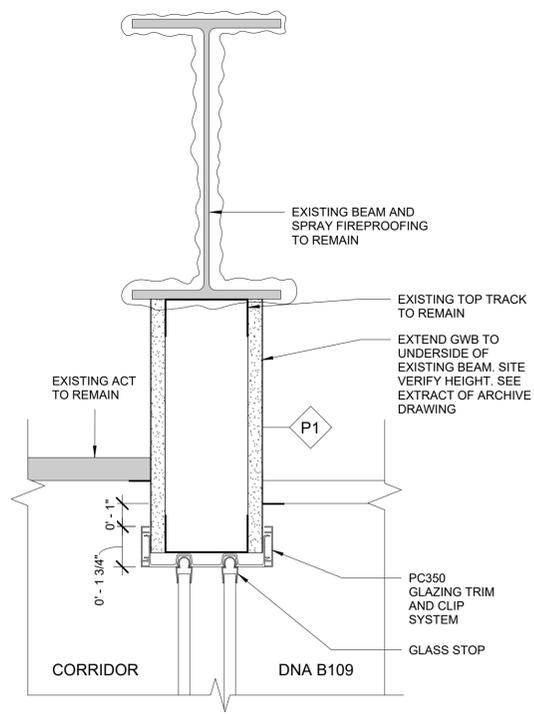
PROJECT NO.  
**2514**

Client Project #:  
**INTERIOR ELEVATION PROPOSED 2**

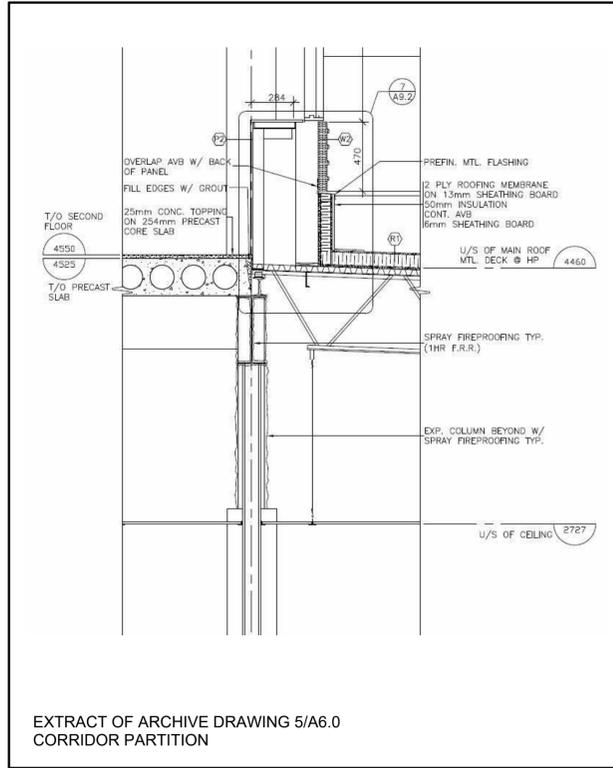
DRAWING DATE  
**2025/10/08**

DRAWING SCALE  
**3/8" = 1'-0"**

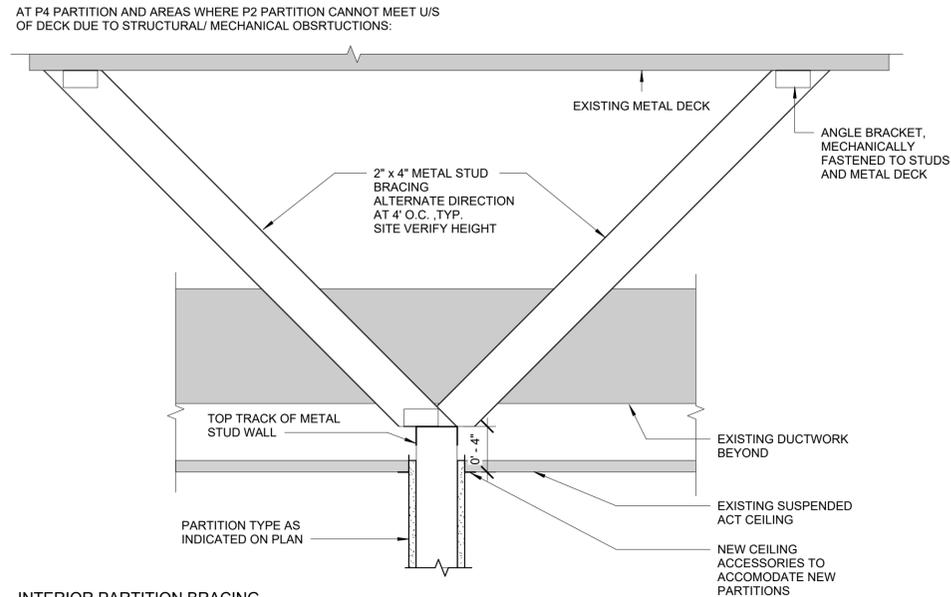
DRAWING NO.  
**A301**



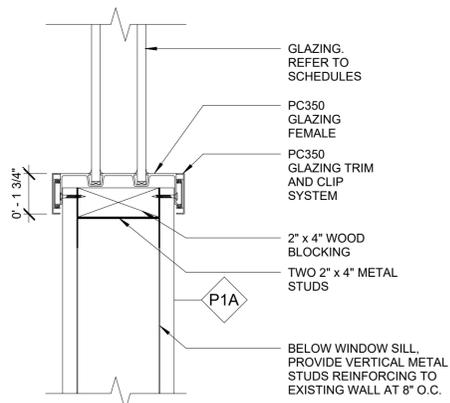
1 CORRIDOR PARTITION AT WINDOW HEAD  
3" = 1'-0"



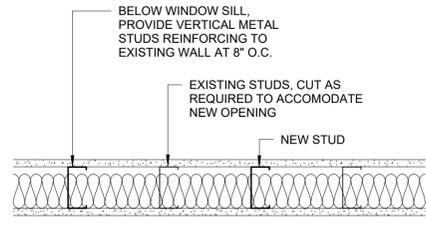
EXTRACT OF ARCHIVE DRAWING 5/A6.0  
CORRIDOR PARTITION



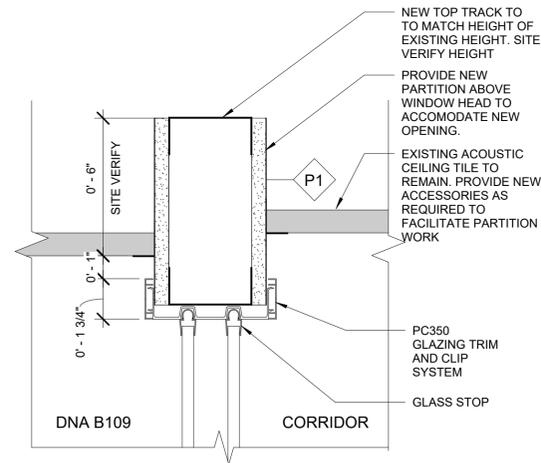
2 INTERIOR PARTITION BRACING - TYPICAL DETAIL  
1 1/2" = 1'-0"



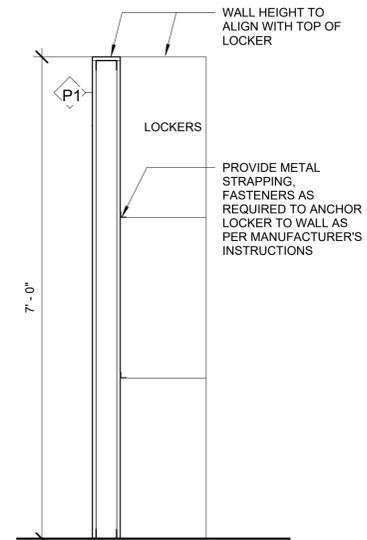
3 CORRIDOR PARTITION AT WINDOW SILL - TYPICAL  
3" = 1'-0"



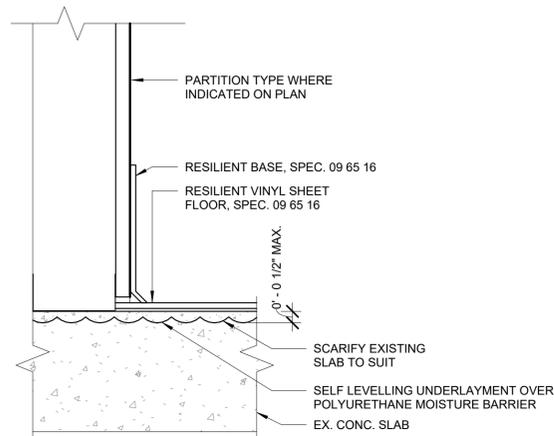
4 CORRIDOR PARTITION AT WINDOW SILL - TYPICAL PLAN DETAIL  
1 1/2" = 1'-0"



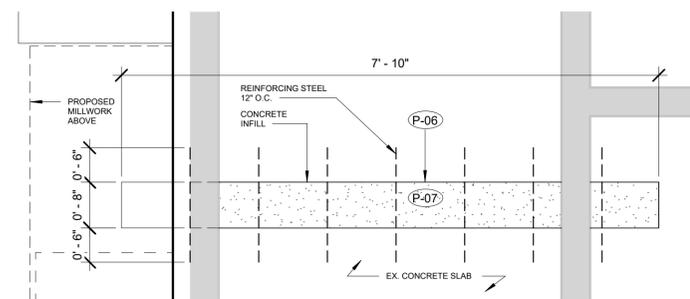
5 SOUTH CORRIDOR PARTITION AT WINDOW HEAD  
3" = 1'-0"



6 PARTITION AT LOCKERS  
3/4" = 1'-0"



7 VINYL SHEET FLOOR FINISH AND BASE  
3" = 1'-0"



8 PLAN DETAIL - PROPOSED SLAB INFILL  
3/4" = 1'-0"

**NOTES:**

1. ALLOW FOR 50 SQ. FT. OF SPRAY FIREPROOFING WITH 45 MIN FIRE RATING IN LOCATION AS DIRECTED BY CONSULTANT FOLLOWING DEMOLITION.

NOTE	DESCRIPTION
P-06	PROVIDE CONCRETE SLAB INFILL OVER NEW WASTEWATER CONNECTION TO KITCHENETTE
P-07	PROVIDE VCT FLOOR FINISH OVER INFILL AREA TO MATCH EXISTING. REFER TO FINISHES SCHEDULE

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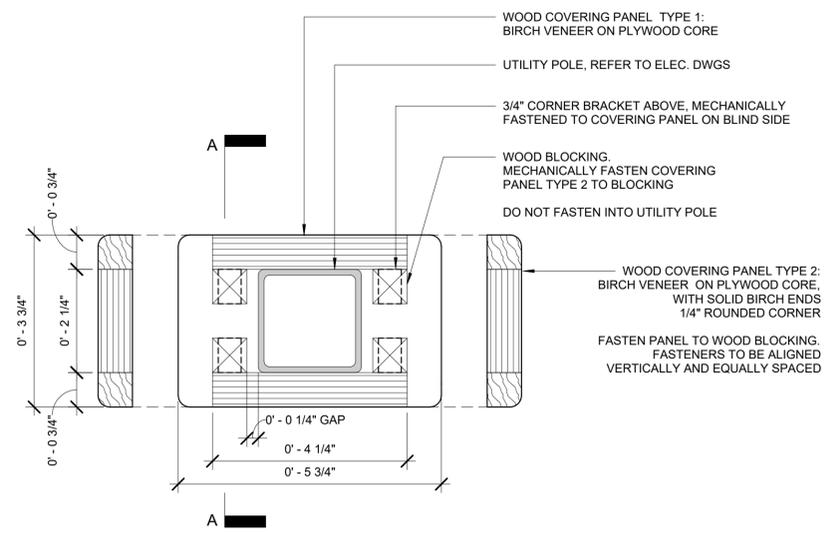
PROJECT NO.  
**2514**  
Client Project #:

DRAWING NAME  
**DETAILS**

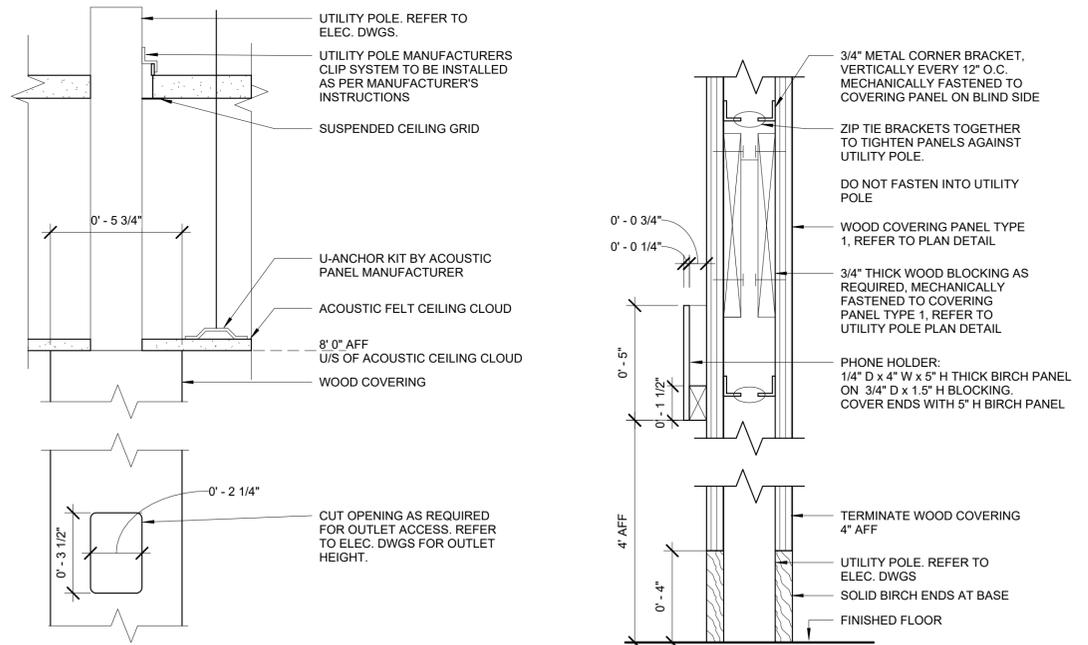
DRAWING DATE  
**2025/11/19**

DRAWING SCALE  
**As indicated**

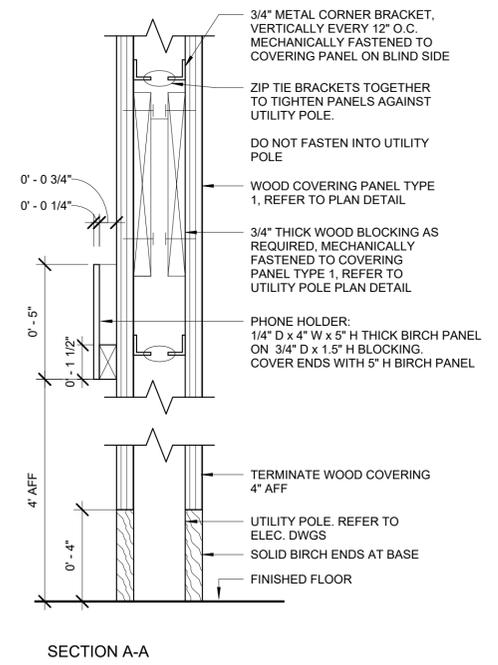
DRAWING NO.  
**A400**



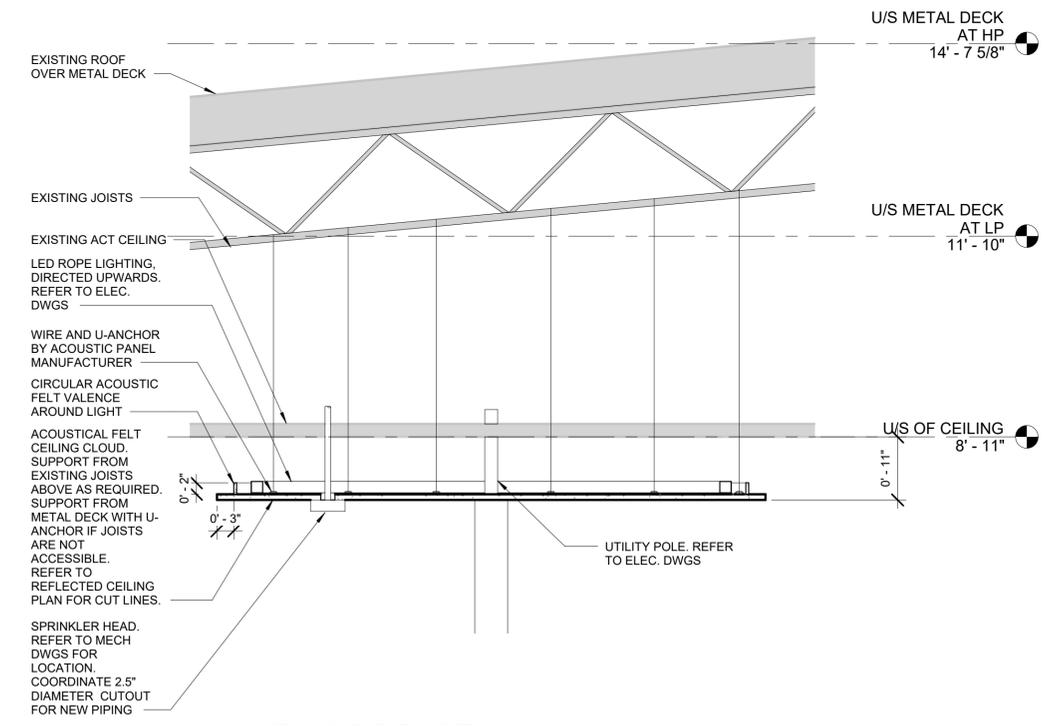
UTILITY POLE PLAN DETAIL EXPLODED VIEW  
 1  
 6" = 1'-0"



UTILITY POLE SECTION DETAIL  
 2  
 3" = 1'-0"



SECTION A-A



ACOUSTIC CLOUD SECTION DETAIL  
 3  
 3/4" = 1'-0"

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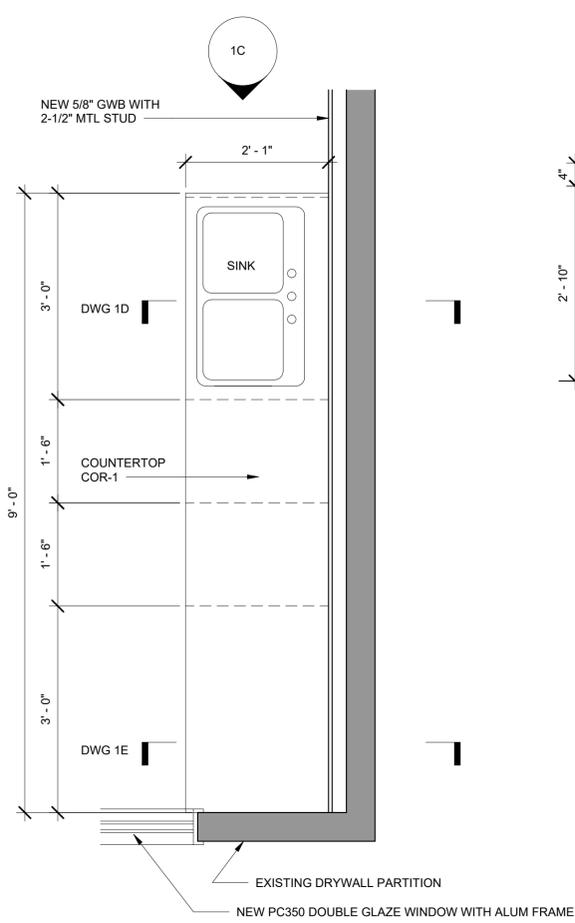
PROJECT NO.  
**2514**  
 Client Project #:

DRAWING NAME  
**UTILITY POLE DETAILS**

DRAWING DATE  
**2025/12/12**

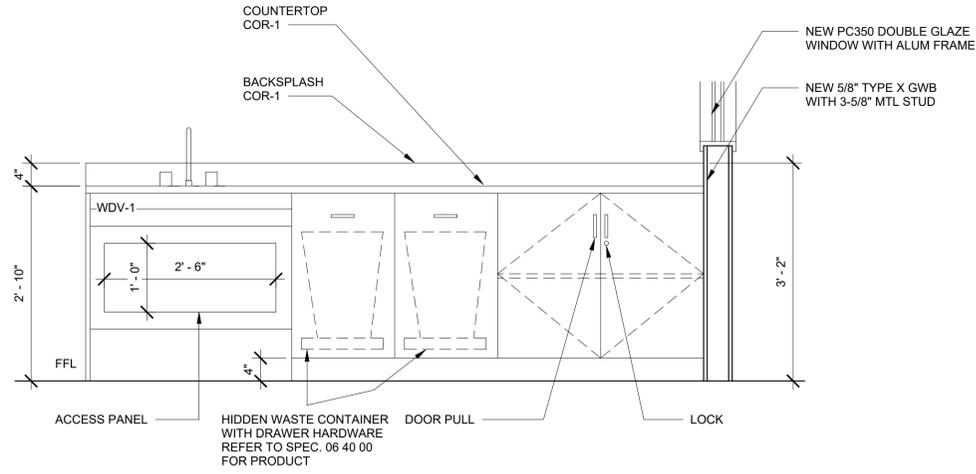
DRAWING SCALE  
**As indicated**

DRAWING NO.  
**A401**

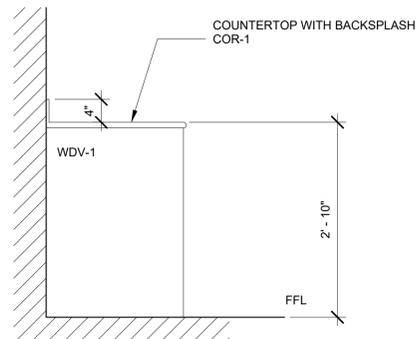


1A. PLAN

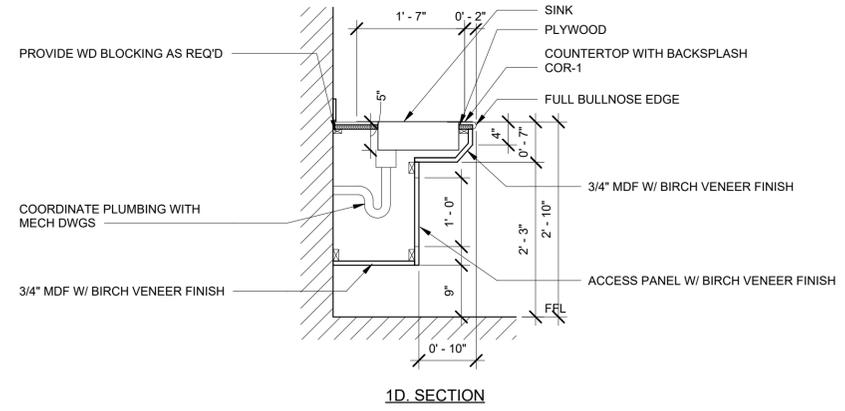
① CASEWORK - COUNTER-1  
3/4" = 1'-0"



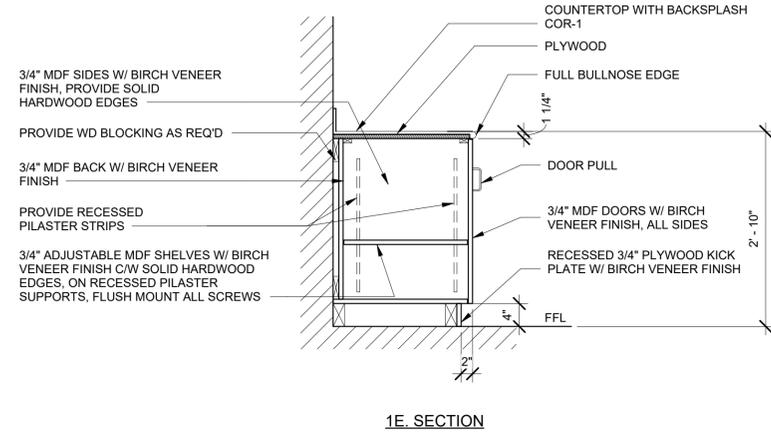
1B. ELEVATION



1C. ELEVATION



1D. SECTION



1E. SECTION

No.	DATE	ISSUE
08	2026 FEB. 11	RE-ISSUED FOR TENDER/PERMIT
06	2026 JAN. 28	ISSUED FOR TENDER/PERMIT
05	2025 DEC. 19	CLIENT REVIEW

unit a architecture inc.  
151 shaw street  
toronto, ontario, m6j 2w6  
t: 416 516 4656  
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PROJECT TITLE  
**DNA B109 Renovation - Trent University**

PROJECT ADDRESS  
**2140 E Bank Dr  
Peterborough, ON  
K9L 1Z8**

PROJECT NO.  
**2514**  
Client Project #:  
**CASEWORK**

DRAWING DATE  
**2025/11/19**

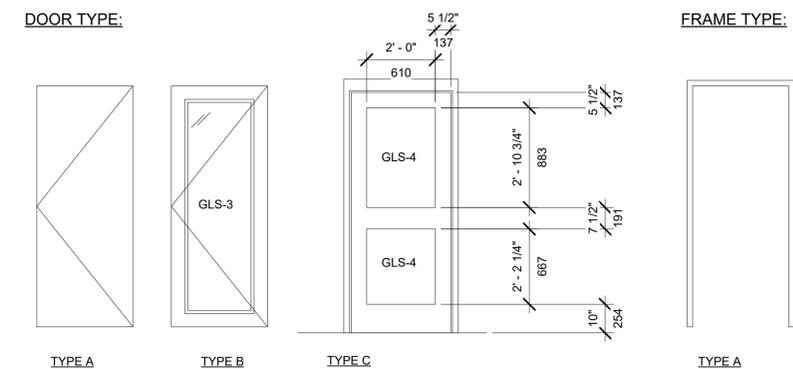
DRAWING SCALE  
**3/4" = 1'-0"**

DRAWING NO.  
**A402**

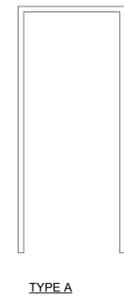
DOOR SCHEDULE											
Door Number	Height	Width	Fire Rating	DoorType	Frame Type	Anchor Type	Door Material	Finish			Comments
								Finish	Frame Material	Frame Finish	
D101	7' - 0"	3' - 0"	0 HR	C	A	A	HM	PNT-1, PNT	HM	PNT-1, PNT	PROVIDE GLAZING AS PER SPEC. 08 80 50. CORRIDOR SIDE DOOR PNT TO MATCH EX. PNT
D102	7' - 0"	3' - 0"	NO	C	A	A	HM	PNT-1, PNT	HM	PNT-1, PNT	PROVIDE GLAZING AS PER SPEC. 08 80 50. CORRIDOR SIDE DOOR PNT TO MATCH EX. PNT
D103	7' - 0"	3' - 2"	NO	B	A	A	HM	PNT-1	HM	PNT-1	PROVIDE GLAZING AS PER SPEC. 08 80 50
D104	7' - 0"	3' - 2"	NO	B	A	A	HM	PNT-1	HM	PNT-1	PROVIDE GLAZING AS PER SPEC. 08 80 50
D105	7' - 0"	3' - 2"	NO	B	A	A	HM	PNT-1	HM	PNT-1	PROVIDE GLAZING AS PER SPEC. 08 80 50

ROOM SCHEDULE							
Room Number	Room Name	Area	Floor	Finish			Comments
				Base	Wall	Ceiling	
B109	WORKSPACE	1319 SF	LVT-1	RB-1 ALL SIDES	PNT-1, PNT-2	ACT-1 WHERE NEW	MODIFY CEILING AS REQUIRED AT NEW PARTITIONS
B109A	QUIET STUDY	140 SF	LVT-1	RB-1 ALL SIDES	PNT-1, PNT-2	ACT-1 WHERE NEW	MODIFY CEILING AS REQUIRED AT NEW PARTITIONS
B109B	QUIET STUDY	139 SF	LVT-1	RB-1 ALL SIDES	PNT-1, PNT-2	EXISTING TO REMAIN	MODIFY CEILING AS REQUIRED AT NEW PARTITIONS
B109C	MEETING	116 SF	LVT-1	RB-1 ALL SIDES	PNT-1, PNT-2	EXISTING TO REMAIN	MODIFY CEILING AS REQUIRED AT NEW PARTITIONS
B109D	KITCHENETTE /LOUNGE	295 SF	LVT-1	RB-1 ALL SIDES	PNT-1, PNT-2	EXISTING TO REMAIN	MODIFY CEILING AS REQUIRED AT NEW PARTITIONS

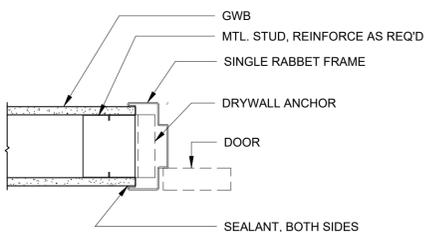
**DOOR TYPE:**



**FRAME TYPE:**



**ANCHOR TYPE:**



PROFILE A

**LEGEND:**

GWB	GYPSUM WALL BOARD
MTL	METAL

**INTERIOR PARTITION SCHEDULE - STEEL FRAME - NON-LOADBEARING**

TYPE	ASSEMBLY DESCRIPTION	STC RATING	HEIGHT
P1	1 LAYER OF 15.8mm (5/8") TYPE X GYPSUM BOARD; BOTH SIDES 92mm (3 5/8") STEEL STUDS @ 400mm (16") O.C. 75mm (3") SAFB	STC 47 (BASED ON OBC SB-3 WALL S4b)	REFER TO DETAILS 1/A400 AND 5/A400
P1A	SAME AS P1, EXCEPT REINFORCED WITH STEEL STUDS 200mm (8") O.C.	N/A	BELOW WINDOWS IN P1 ASSEMBLY
P2	2 LAYERS OF 12.7mm (1/2") TYPE X GYPSUM BOARD; BOTH SIDES 92mm (3 5/8") STEEL STUDS @ 400mm (16") O.C. 89mm (3.5") SAFB	STC 54 (BASED ON OBC SB-3 WALL S6d)	EXTEND FULL WALL ASSEMBLY TO U/S OF DECK. SITE VERIFY HEIGHT. BRACE AS REQUIRED. REFER TO 2/A400.
P3	EXISTING WALL 64mm (2.5") STEEL STUDS @ 400mm (16") O.C. 1 LAYER OF 15.8mm (5/8") TYPE X GYPSUM BOARD	N/A	TO U/S OF SUSPENDED CEILING AT 8'11" AFF
P4	2 LAYERS OF 12.7mm (1/2") GYPSUM BOARD; BOTH SIDES 140mm (5.5") STEEL STUDS @ 400mm (16") O.C. 75mm (3") SAFB	N/A	STUDS TO U/S OF DECK. GWB TO CEILING LEVEL. BRACE AS REQUIRED. REFER TO 2/A400.

**WINDOW SCHEDULE**

Mark	Height	Length	Sill Height	Comments
W01	5' - 6"	16' - 9 1/2"	3' - 4"	GLS-1
W02	5' - 6"	10' - 9 1/4"	3' - 4"	GLS-1
W03	5' - 6"	10' - 11 5/8"	3' - 4"	GLS-1
W04	5' - 6"	10' - 1 1/2"	3' - 4"	GLS-1
W05	5' - 0"	9' - 0 1/2"	3' - 4"	GLS-2

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t: 416 516 4656  
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**DNA B109 Renovation - Trent University**

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Peterborough, ON  
K9L 1Z8**

PROJECT NO.  
**2514**  
Client Project #:

DRAWING NAME  
**SCHEDULES**

DRAWING DATE  
**2025/11/14**

DRAWING SCALE  
**As indicated**

DRAWING NO.  
**A600**



FINISH SCHEDULE		
PAINT		
TAG	DESCRIPTION	REFERENCE PHOTO
PNT-1	DULUX CANVAS CLOTH (ACCENT WALL, DOORS AND FRAMES), FROM DNA COLOUR CHART	
PNT-2	DULUX NATURAL WHITE FROM DNA COLOUR CHART	

ACOUSTIC PANELS		
TAG	DESCRIPTION	REFERENCE PHOTO
ACC-1	ACOUSTIC FELT CEILING HUSH ACOUSTICS COLOUR: MOSS	
ACC-2	ACOUSTIC FELT CEILING HUSH ACOUSTICS COLOUR: CRYSTAL	
ACC-3	ACOUSTIC FELT CEILING HUSH ACOUSTICS COLOUR: ICE	
AWP-1	ACOUSTIC WALL PANEL HUSH ACOUSTICS COLOUR: FOG	

FINISH SCHEDULE		
CASEWORK		
TAG	DESCRIPTION	REFERENCE PHOTO
COR-1	CORIAN SOLID SURFACE SPARKLING GRANITA	

FINISH SCHEDULE		
CASEWORK		
TAG	DESCRIPTION	REFERENCE PHOTO
LVT-1	VINYL SHEET FLOORING SILENTFLOR COLOUR: EDEN OAK 8951	

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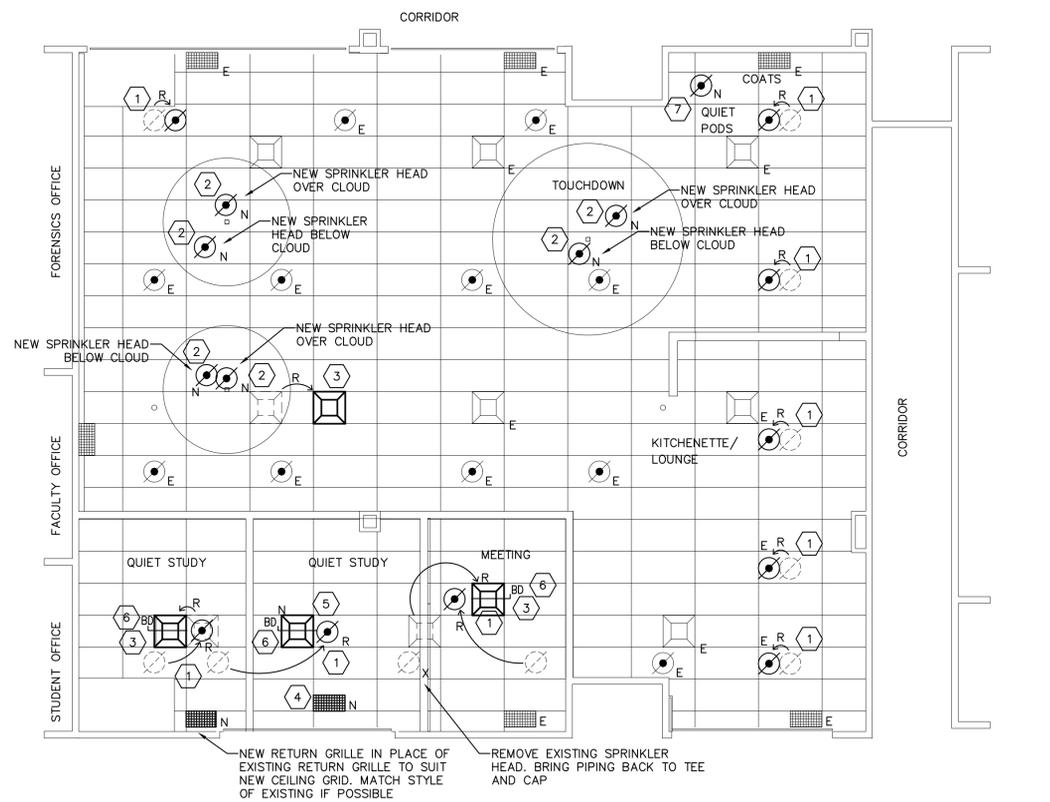
PROJECT NO.  
**2514**  
 Client Project #:

DRAWING NAME  
**FINISH SCHEDULES**

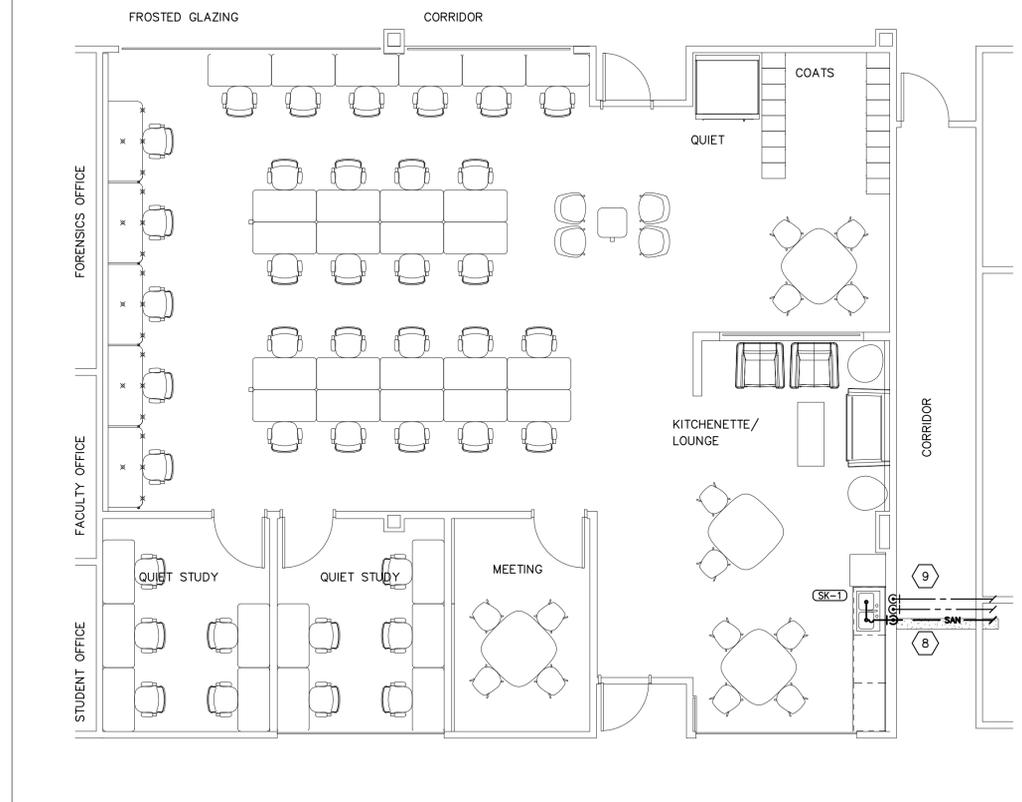
DRAWING DATE  
**2026/01/06**

DRAWING SCALE  
**12" = 1'-0"**

DRAWING NO.  
**A601**



**1 MECHANICAL RCP PLAN**  
 (M1) SCALE: 3/16" = 1'-0"  
 1 0 3 6



**2 MECHANICAL PLAN**  
 (M1) SCALE: 3/16" = 1'-0"  
 1 0 3 6

**LEGEND:**

- SPRINKLER HEAD
- SUPPLY DIFFUSER
- RETURN GRILLE
- E EXISTING TO REMAIN
- X EXISTING TO BE DEMOLISHED
- R RELOCATED

SK-1: COUNTER MOUNTED - DROP-IN - COMMERCIAL SINKS  
 FRANKIE COMMERCIAL ALB440SP-1-1 SINK - DOUBLE COMPARTMENT SINK, SINGLE HOLE CENTERSET, COMMERCIAL SINKS, WITH OVERALL DIMENSION: 794 MM (31-1/4") LONG, 478 MM (18-13/16") WIDE, 127 MM (5") HIGH, CONSTRUCTED FROM 18 GAUGE TYPE 304 STAINLESS STEEL, LEFT BOWL IS 356 MM (14") LONG AND RIGHT BOWL IS 356 MM (14") LONG, LEFT BOWL IS 356 MM (14") WIDE AND RIGHT BOWL IS 356 MM (14") WIDE, LEFT BOWL IS 127 MM (5") DEEP AND RIGHT BOWL IS 127 MM (5") DEEP, POLISHED TO #4 SATIN FINISH, FACTORY INSTALLED EZ TORQUE FASTENERS, FACTORY APPLIED RIM SEAL, CENTER BACK WASTE LOCATION, 38 MM (1-1/2") (DN38) BRASS TAILPIECE, 89 MM (3-1/2") CRUMB CUP STRAINER, UNDERCOATED TO REDUCE CONDENSATION AND RESONANCE, COMPLIANCES AND CERTIFICATIONS: ANSI A117.1 COMPLIANT, ASME A112.19.3 COMPLIANT, CSA B45.4 COMPLIANT, CSA B651-04 COMPLIANT.

GROHE 32665003 FAUCET - CONCETTO, COUNTER MOUNTED, MANUAL, SINGLE HANDLE, SINK FAUCET, STARLIGHT CHROME FINISH, SINGLE HOLE CENTERSET, DIE-CAST ZINC BODY, STAINLESS STEEL FLEXIBLE LINES, GROHE SILKMOVIE™ CERAMIC CARTRIDGE (90° TURN), 6.6 LPM (1.75 GPM) MAXIMUM FLOWRATE, SPRAY OUTLET, DUAL SPRAY FUNCTION, LOCKING PUSH BUTTON CONTROL TO SWITCH FROM REGULAR FLOW TO SPRAY, SWIVEL HIGH GOOSENECK SPOUT, PULL DOWN, 218 MM (8-9/16") SPOUT REACH, 219 MM (8-5/8") HIGH, PROTECTED AGAINST BACKFLOW, LEVER HANDLE, INTEGRATED NON-RETURN VALVE.

MCQUIRE LFBV170 SUPPLY - CONVERTIBLE™ COMMERCIAL FAUCET SUPPLY KIT, CONSISTING OF (2) STOP VALVES, (2) RISERS, (2) FLANGES (STANDARD), LEAD FREE BRASS BODY, CHROME-PLATED FINISH, 138 - 862 KPA (20 - 125 PSI) OPERATING PRESSURE, 4 TO 60 °C (40 TO 140 °F) OPERATING TEMPERATURE, CONVERTIBLE LOOSE KEY/TRIANGLE HANDLE, QUARTER TURN BALL VALVE, ANGLE STOP, C.P. WROUGHT STEEL DEEP BELL WALL FLANGE (STANDARD), C.P. PREFABRICATED 127 MM (5") COPPER SWEAT TUBE EXTENSION NIPPLE, 305 MM (12") C.P. LAVATORY FLEXIBLE COPPER RISER TUBES (STANDARD), 13 MM (1/2") SWEAT INLET X 10 MM (3/8") O.D. OUTLET, 82 °C (180 °F) MAXIMUM DURING HIGH-TEMPERATURE SYSTEM FLUSH, AB 100 COMPLIANT, ASME A112.18.1 COMPLIANT, ASME A112.18.2-2 (RISERS), CSA B125.2 COMPLIANT (RISERS), CERTIFIED TO NSF/ANSI 372, CERTIFIED TO NSF/ANSI 61, UPC COMPLIANT.

MCQUIRE PWB089 P-TRAP - SINK, MOLDED CLOSED CELL VINYL (ANTI-MICROBIAL) WRAPPED CAST BRASS, GLOSSY WHITE, 1-1/2" X 1-1/2" (38 X 38 MM), WITH CLEANOUT, GROUT JOINT SWIVEL, CODES AND COMPLIANCES: ADA COMPLIANT, ASME A112.18.2, CSA B125.2.

**DRAWING NOTES:**

- 1 RELOCATE SPRINKLER HEAD. EXTEND SPRINKLER PIPING TO SUIT NEW LOCATION. IF ANY TORQUE MUST BE APPLIED TO THE SPRINKLER HEAD DURING REMOVAL/RELOCATION, THEN DISCARD OF EXISTING SPRINKLER HEAD AND REPLACE WITH NEW OF SAME MODEL AND COVERAGE RADIUS IF POSSIBLE. SMALL ROOM RULE APPLIES TO SPRINKLER HEADS WITHIN MEETING ROOMS, WHICH ALLOWS FOR UP TO 9' DISTANCE FROM A SINGLE WALL.
- 2 NEW SPRINKLER HEAD. TO BE OF SAME SPRAY RADIUS AND SAME MODEL AS EXISTING SPRINKLER HEADS IF POSSIBLE. EXTEND PIPING FROM NEAREST EXISTING SPRINKLER PIPING TO SUIT LOCATION OF NEW HEAD. LOCATE SPRINKLER AT LEAST 6" (3X JIFFY POLE WIDTH OF 2") AWAY FROM JIFFY POLE.
- 3 RELOCATED DIFFUSER. EXTEND EXISTING BRANCH TO SUIT NEW DIFFUSER LOCATION.
- 4 NEW RETURN GRILLE. MATCH STYLE OF EXISTING RETURN GRILLES IF POSSIBLE.
- 5 NEW SUPPLY DIFFUSER. MATCH STYLE OF EXISTING DIFFUSERS IF POSSIBLE. TIE INTO NEAREST EXISTING BRANCH.
- 6 NEW BALANCING DAMPER ON MEETING ROOM DIFFUSER. BALANCE DIFFUSER TO 50 CFM. ALL DIFFUSERS NOT IN NEW MEETING ROOMS TO REMAIN AS IS.
- 7 LOCATION OF NEW QUIET POD. EXTEND SPRINKLER PIPING DOWN FOR NEW SPRINKLER HEAD INSIDE QUIET POD. COORDINATE LOCATION WITH PUNCH OUT IN THE TOP OF THE POD FOR SPRINKLER ACCESS.
- 8 TRENCH NEW SINK SANITARY TO KITCHENETTE ACROSS HALLWAY. COORDINATE TRENCHING AND REINSTATING WITH ARCHITECTURAL.
- 9 TIE NEW SINK INTO EXISTING DOMESTIC COLD AND HOT WATER FROM KITCHENETTE ACROSS HALLWAY. RUN PIPING WITHIN CEILING SPACE.

**GENERAL MECHANICAL SPECIFICATIONS**

1. THE MECHANICAL DRAWINGS DO NOT SHOW ALL THE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DETAILS. INFORMATION INVOLVING ACCURATE DIMENSIONING OF THE SITE CONDITIONS SHALL BE TAKEN FROM SITE BY CONTRACTOR. CONTRACTOR TO MAKE ANY NECESSARY MODIFICATIONS OR ADDITIONS, WITHOUT CHARGE, TO ACCOMMODATE THE SITE CONDITIONS.
2. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, THE SPECIFICATION, AND ALL OTHER TENDER DOCUMENTS.
3. ALL PIPING AND DUCT WORK TO BE LABELED INCLUDING DIRECTION OF FLOW EVERY 8' AND EACH CHANGE IN DIRECTION.
4. SUB-CONTRACTOR SHALL MAINTAIN SUCH INSURANCE AS WILL FULLY PROTECT BOTH THE OWNER AND THE SUB-CONTRACTOR FROM ANY AND ALL CLAIMS UNDER THE WORKMEN'S COMPENSATION ACT, ALSO ALL INSURANCE AS NOTED WITHIN ARCHITECTURAL GENERAL CONDITIONS.
5. MAINTAIN A SEPARATE SET OF WHITE PRINTS ON THE SITE AND NOTE ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL DESIGN. TWO SETS OF THESE DRAWINGS SHOWING ALL AS-BUILT CONDITIONS SHALL BE FORWARDED TO THE ARCHITECT AT THE COMPLETION OF THIS CONTRACT AND BEFORE APPLYING FOR FINAL PAYMENT.
6. ADDITIONAL MONEY OVER THE CONTRACT PRICE SHALL NOT BE PAID UNLESS AN APPROVED CHANGE ORDER IS ISSUED BY THE ARCHITECT. CLAIMS FOR EXTRAS SHALL BE SUBMITTED WITH A COMPLETE BREAKDOWN OF MATERIAL, LABOUR, HOURLY RATES, ETC.
7. BE RESPONSIBLE TO KEEP THE AREA CLEAN AT ALL TIMES AND TO PERIODICALLY REMOVE ALL DEBRIS. CONSTRUCTION AREA TO BE ISOLATED BY MEANS OF TARPS AND/OR TEMPORARY PARTITIONS.
8. ALL CUTTING AND PATCHING REQUIRED FOR THE WORK OF THIS DIVISION SHALL BE CARRIED OUT BY THIS DIVISION. CUTTING AND DRILLING SHALL BE PERFORMED IN A MANNER SO AS TO CAUSE LITTLE DAMAGE. BE RESPONSIBLE AND PAY FOR ANY DAMAGE TO THE BUILDING INCURRED BY WORK OF THIS DIVISION.
9. BE RESPONSIBLE TO COORDINATE THE INSTALLATION OF EQUIPMENT, DUCTING, PIPING, ETC. WITH OTHER TRADES AND THE OWNER'S REPRESENTATIVE PRIOR TO THE ACTUAL INSTALLATION.
10. BE RESPONSIBLE FOR MECHANICAL WORK UNTIL THE COMPLETION AND FINAL ACCEPTANCE. FOR REPLACING ANY ITEM THAT MAY BE DEFECTIVE, DAMAGED, LOST OR STOLEN WITHOUT ADDITIONAL COST TO THE OWNER OR DELAY TO THE COMPLETION OF THE PROJECT.
11. SHOP DRAWINGS AND PRODUCT DATA. "SHOP DRAWINGS" MEANS DRAWINGS, DIAGRAMS, ILLUSTRATIONS, SCHEDULES, PERFORMANCE, CHARTS, BROCHURES, AND OTHER DATA WHICH ARE TO BE PROVIDED BY THE CONTRACTOR TO ILLUSTRATE DETAILS OF A PORTION OF THE WORK. INDICATE MATERIALS METHODS OF CONSTRUCTION AND ATTACHMENT OR ANCHORAGE. NECESSARY FOR COMPLETION OF WORK. ADJUSTMENTS MADE ON SHOP DRAWINGS BY OWNER OR ENGINEER ARE NOT INTENDED TO CHANGE CONTRACT PRICE. MAKE CHANGES IN SHOP DRAWINGS AS OWNER OR ENGINEER MAY REQUIRE. SUBMIT 6 HARD COPIES, OR 1 HIGH QUALITY ELECTRONIC COPY OF PRODUCT DATA SHEETS OR BROCHURES FOR ALL MECHANICAL EQUIPMENT. PROVIDE 2 MAINTENANCE MANUALS COMPLETE WITH WARRANTY, CERTIFICATE OF INSPECTIONS, AND COPY OF ALL PRODUCT LITERATURE AND MAINTENANCE INFORMATION.
12. PRIOR TO FINAL INSPECTION DEMONSTRATE OPERATION OF EACH SYSTEM TO OWNER AND ENGINEER. INSTRUCT PERSONNEL IN OPERATION ADJUSTMENT AND MAINTENANCE OF EQUIPMENT AND SYSTEMS, USING PROVIDED OPERATION AND MAINTENANCE DATA AS BASIS FOR INSTRUCTION.

13. AFTER THE WORK IS COMPLETED, GIVE A WRITTEN GUARANTEE FOR ONE YEAR COVERING WORKMANSHIP AND MATERIALS. REPAIR OR REPLACE, WITHOUT EXPENSE TO THE OWNER, ANY DEFECTS DUE TO WORKMANSHIP OR MATERIALS WHICH IN THE OWNER'S OPINION, ARE NOT DUE TO MISUSE OR NEGLECT.
14. WHERE REQUIRED FOR UNDERGROUND SERVICE THE EXCAVATION, BACKFILL AND CONCRETE WORK SHALL BE BY THE GENERAL CONTRACTOR. THE MECHANICAL TRADE SHALL SUPERVISE THE PROCESSING OF CONCRETE TO ENSURE THEY ARE FREE FROM VOIDS AND SHALL ADVISE THE GENERAL CONTRACTOR OF THIS WORK FOR INCLUSION IN THE GENERAL CONTRACTOR'S TENDER PRICE.
15. THE MECHANICAL CONTRACTOR SHALL ENSURE THAT EVERY FIXTURE, PLUMBING APPLIANCE, INTERCEPTOR, CLEANOUT, VALVE, DEVICE OR PIECE OF EQUIPMENT SHALL BE LOCATED IN A MANNER THAT IT IS READILY ACCESSIBLE FOR USE, CLEANING, MAINTENANCE OR REPAIR. MECHANICAL CONTRACTOR SHALL PROVIDE ACCESS DOORS LARGE ENOUGH TO PERMIT EASY ACCESS TO CONCEALED FIXTURES, PLUMBING APPLIANCES, FIRE DAMPERS, INTERCEPTORS, CLEANOUTS, VALVES, DEVICES OR PIECES OF EQUIPMENT.
16. CONTRACTOR SHALL CARRY THE SERVICES OF AN APPROVED FIRE STOPPING INSTALLER AND SHALL PROVIDE ALL FIRE STOPPING FOR ALL MECHANICAL AND ELECTRICAL PENETRATIONS. PROVIDE SHOP DRAWINGS FOR FIRE STOPPING MATERIALS USED.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF THEIR PROPERTY. THE OWNER BEARS NO RESPONSIBILITY FOR PROTECTION FROM THEFT, FIRE, OR ENVIRONMENTAL CONDITIONS.
18. ALL PIPING AND DUCTING SHOWN FOR SCHEMATIC AND SCOPE OF WORK PURPOSES IN GENERAL LOCATION OF USE. COORDINATE EXACT ROUTING ON SITE AND WITH BEST PRACTICES.

**CONTRACTOR REQUIREMENTS**

1. CONTRACTOR TO USE BASE BUILDING CONTRACTORS:  
 SPRINKLER  
 GEORGIAN BAY FIRE  
 PHONE: 705-957-1081  
 EMAIL: BRENNAN.SHORTALL@FIRE-SP.COM  
  
 FIRE ALARM:  
 TROY FIRE & SAFETY  
 PHONE 905-914-0474  
 TANYA.MCKELVEY@TROYLFS.COM

**GENERAL HVAC SPECIFICATIONS**

1. PROVIDE DUCTWORK IN ACCORDANCE WITH A.S.H.R.A.E. AND INTERNATIONAL MECHANICAL CODES CHAPTER 5 SECTION 506., LATEST EDITION. ALL DUCTS SHALL BE FABRICATED FROM PRIME QUALITY GALVANIZED STEEL AS PER A.S.H.R.A.E. STANDARDS. DUCTS SHALL BE INSTALLED AS HIGH AS POSSIBLE. PROPER ANGLE IRON SUPPORTS, HANGERS, ETC., SHALL BE PROVIDED FOR ALL DUCTS. SEAL ALL JOINTS OF DUCTS WITH HIGH PRESSURE SEALER. APPLY SEALANT TO OUTSIDE OF JOINTS AS PER MANUFACTURERS' RECOMMENDATIONS. CONSTRUCT ROUND DUCTS IN ACCORDANCE WITH THE FOLLOWING:  
 MAX DUCT DIMENSION U.S. GAUGE  
 UP TO 12" 26  
 13" TO 30" 24  
 31" TO 54" 22  
  
 CONSTRUCT ROUND DUCTS IN ACCORDANCE WITH THE FOLLOWING:  
 4" TO 8" DIAMETER - 26 GAUGE  
 9" TO 24" DIAMETER - 24 GAUGE
2. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF EQUIPMENT PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED ELBOWS, DUCT ACCESSORIES, ETC. TO COMPLETE THE INTENT OF THE MECHANICAL DRAWINGS.
3. HVAC EQUIPMENT MUST NOT BE USED DURING CONSTRUCTION. DUCT OPENINGS SHALL BE COVERED TO KEEP OUT DUST AND DEBRIS. COMMISSIONING MUST NOT BE PERFORMED UNTIL ALL INTERIOR FINISHES ARE COMPLETE.
4. ALL MITERED ELBOWS TO BE COMPLETE WITH DOUBLE THICKNESS AIR VANES. ALL RADIUS ELBOWS TO BE COMPLETE WITH SPLITTER VANES PER SMACNA DUCT CONSTRUCTION STANDARDS.
5. MAXIMUM LENGTH OF FLEX DUCT PERMITTED IS 10' PER DIFFUSER. NO FLEX DUCT IS PERMITTED ON EXPOSED DUCT WORK.

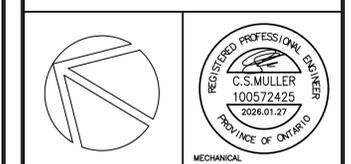
**GENERAL PLUMBING SPECIFICATIONS**

1. ALL HOT AND COLD WATER PIPING AFTER THE MAIN BUILDING CWS ISOLATION VALVE SHALL BE HARD COPPER TYPE L PIPING WHICH SHALL CONFORM TO ASTM B42 AND ASTM B88.
2. ALL DOMESTIC WATER PIPING TO BE INSULATED c/w VAPOUR BARRIER. PIPE INSULATION TO CONFORM O.B.C. TABLE 12.3.4.5.
3. ALL DRAINAGE, WASTE, AND VENT PIPE TO BE PVC DWV WITH FLAME SPREAD RATING < 25. PIPES TO BE XFR WHERE PENETRATING FIRE RATED WALLS.
4. WATER HAMMER ARRESTORS TO BE STAINLESS STEEL BELLOWS TYPE; WATTS SS-A OR APPROVED EQUIVALENT.
5. ROUTE ABOVE GROUND PIPING IN CEILING SPACE OF WALL INTERIORS FOR CONCEALMENT WHERE EVER POSSIBLE UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS. COORDINATE PIPE INSTALLATION IN WALLS WITH MASON AND OR DRYWALLER OR APPROPRIATE TRADE INVOLVED.
6. INSTALL ISOLATION VALVES IN EACH BRANCH LINE FROM COLD AND HOT WATER MAINS, AT BASE OF EACH RISER, AND BEFORE EACH FIXTURE OR EQUIPMENT CONNECTED TO COLD/HOT WATER SYSTEM. PROVIDE A FIRE RATED ACCESS DOOR AT EACH CONCEALED VALVE.
7. INSTALL FLANGES OR UNIONS TO PERMIT REMOVAL OF EQUIPMENT WITHOUT DISTURBING PIPING SYSTEMS.
8. PROVIDE COMPLETE DRAINAGE AND VENT SYSTEMS TO SERVE FIXTURES AND ITEMS SPECIFIED AND AS SHOWN ON PLANS.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY MATERIALS & LABOUR TO MAINTAIN ALL FIRE SEPARATIONS AFFECTED BY THE WORK PERFORMED.
10. GRADE HORIZONTAL SANITARY DRAINAGE AND VENT PIPING AT MINIMUM 1:50.
11. ALL FAUCET AND TOILET SUPPLY LINES SHALL BE STAINLESS BRAIDED HOSE.
12. EXPOSED P-TRAPS SHALL BE CHROME PLATED BRASS.
13. SIZE OF DRAINAGE PIPE SERVING FIXTURES:  
 SINK 1-1/2" (38mm)
14. SIZE OF EITHER CWS & HWS ISOLATION VALVES SERVING FIXTURES:  
 SINK 1/2" (13mm)
15. ALL PIPING FITTINGS WITH TERMINAL EQUIPMENT SHALL BE LEAD FREE.
16. ALL PIPING IS TO BE STRAIGHT, PARALLEL AND PERPENDICULAR TO THE BUILDING STRUCTURE. SLOPE ALL PIPING TO DRAIN POINTS.
17. WHEN PIPE LAYING NOT IN PROGRESS, CLOSE OFF OPEN ENDS OF PIPE WITH WATER TIGHT PLUG OR CAP.
18. CONNECT FIXTURES COMPLETE WITH SUPPLIES AND DRAINS, TRAPPED, SUPPORTED, SANITARY LEVEL AND SQUARE WITH HOT WATER FAUCETS ON THE LEFT.

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR PERMIT AND TENDER	2026.01.27	CSM

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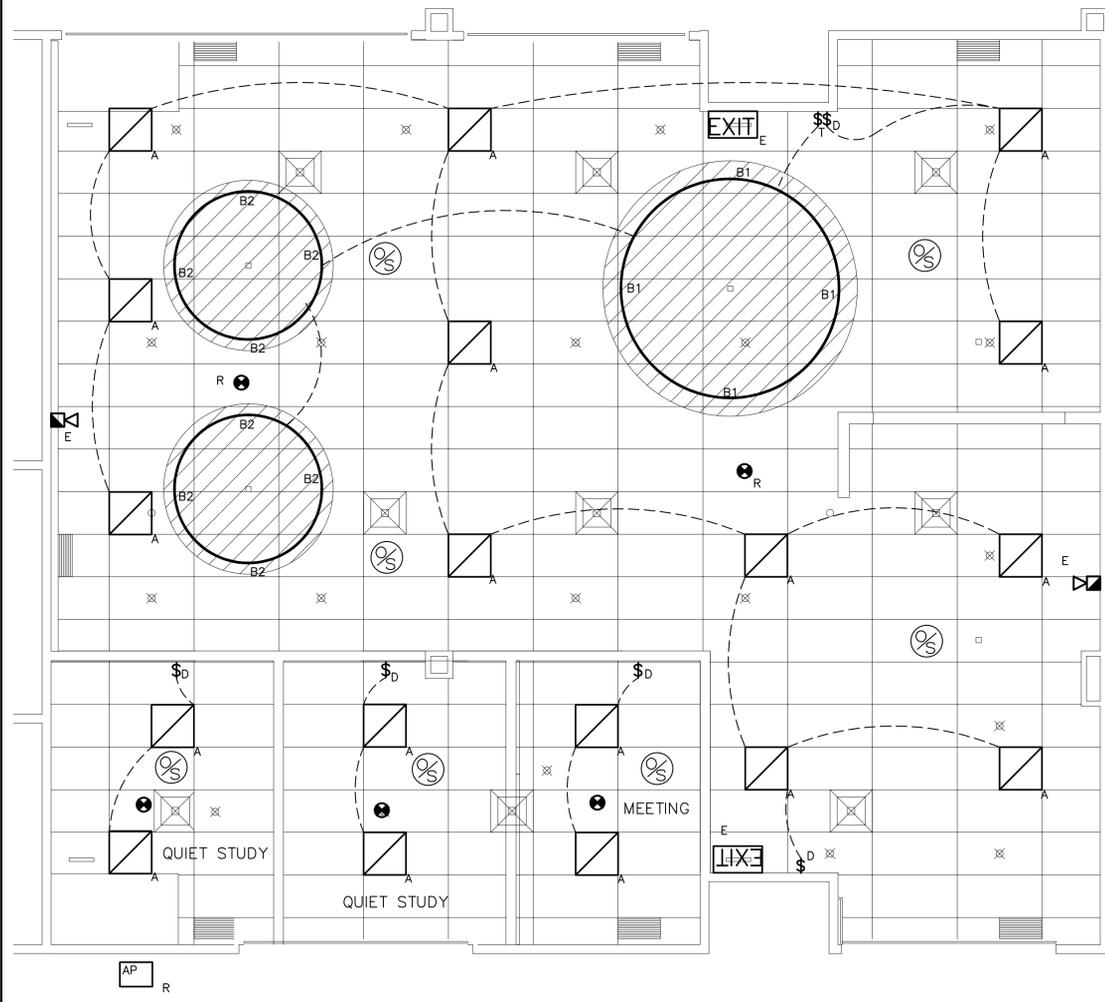
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**DNA B204 Renovation**  
**Trent University**  
  
 2140 East Bank Dr.  
 Peterborough, ON

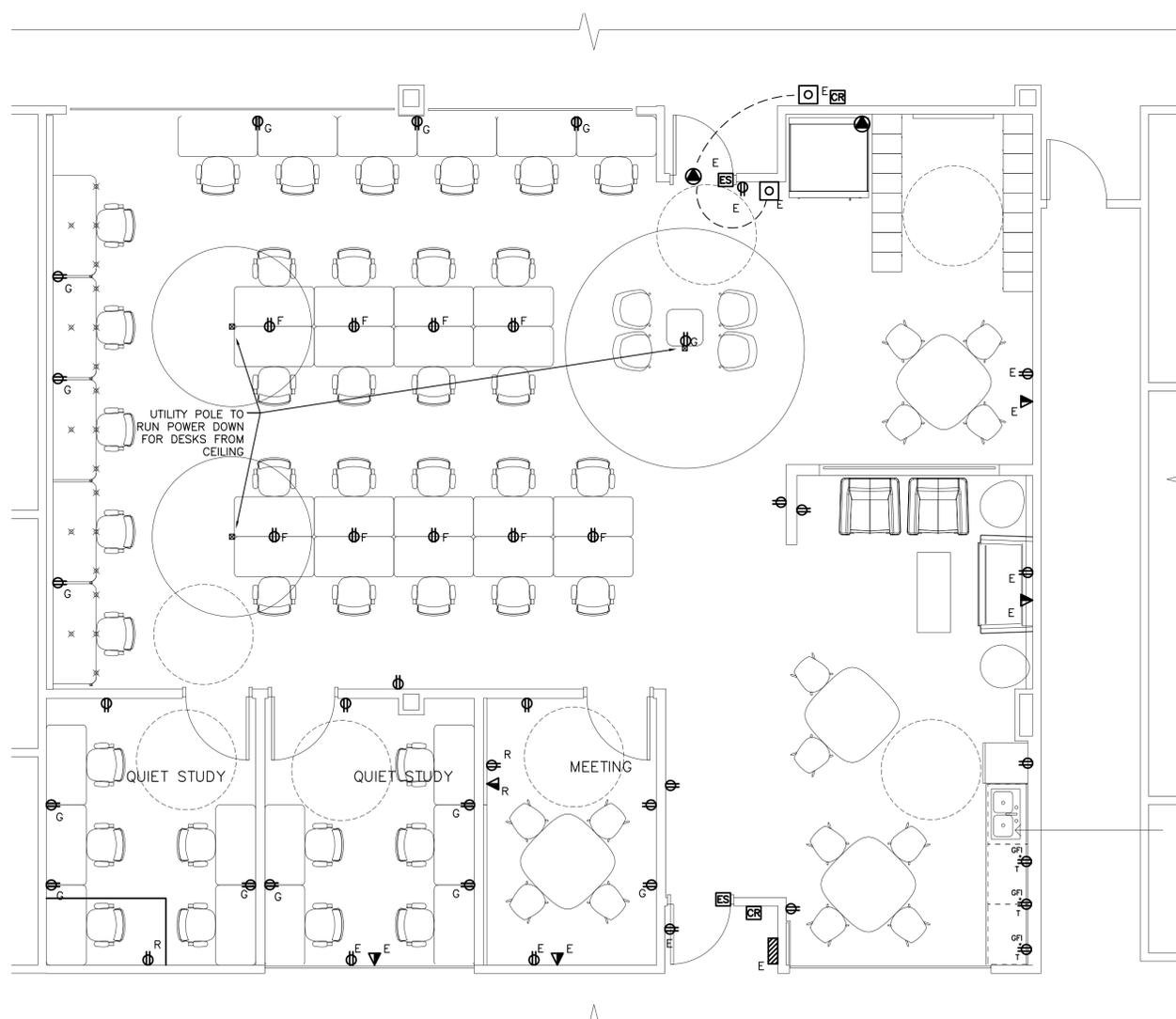
TITLE	
<b>MECHANICAL LAYOUT</b>	
DESIGN	CSM
DRAWN	KCS
CHECKED	CSM
APPROVED	CSM
PROJECT	7519



1 REFLECTED CEILING LAYOUT  
SCALE: 1/4" = 1'-0"

FIXTURE	DESCRIPTION	MANUFACTURER	PART #
A	2'x2' LED LAY-IN TROFFER. SELECTABLE OUTPUT SET AT 3750 LUMENS, 4000K AND 30W WITH A WHITE FINISH, 347V, DIMMING 0-10V	LEDVANCE	PANLF4BS050UNHD BSC722GWHITAA
B1 B2	LED RGBW RIBBON IN UP/DOWN FLEX CHANNEL SURFACE MOUNTED ON THE "CLOUD", CHANNEL AND STRIP TO BE CUSTOM CUT AS NOTED, 122LUMEN/FT W (2700K) 180 LUMEN /FT RGB, 6W/FT, 24VDC. B1 = 8FT PER 1/2 CIRCLE ARC LENGTH B2 = 5FT-6INCH PER 1/2 CIRCLE ARC LENGTH PROVIDE 300W DIMMING DRIVER FOR EACH CLOUD	DIFFUSION LIGHTING	SL5-IN-CUSTOMCUT -24V-RGBW WITH SLC-027F CHANNEL & DLMULTI-024-300W
\$D	ON/OFF/DIM PICO WALL CONTROL AT EACH ENTRANCE. ONE PER ZONE UP TO 10 LOCATIONS PER ZONE. WIRELESS, WHITE.	LUTRON	PJ2-3BRL-GWH-L01
\$T	WALL MOUNTED TOUCH PANEL FOR CONTROLLING RGBW LIGHTING WITH 4 ZONE KEYS 16 MODES. USER PROGRAMMABLE.	LUTRON	UB4 RGB(W)
EXIT	RUNNING MAN TYPE EXIT SIGN. SINGLE FACE WALL OR CEILING MOUNT. ARROWS AS INDICATED. LED LAMPS FOR 120VAC. CSA-C860-N LISTED AND CERTIFIED. POWERED FROM EXISTING GENERATOR	LUMACELL	LA SERIES
⊗	RADIO POWER SAVER WIRELESS CEILING-MOUNTED OCCUPANCY/VACANCY SENSOR. WHITE.	LUTRON	LRF2-OCR2B-P-WH

2 POWER LAYOUT  
SCALE: 1/4" = 1'-0"



NOTES:

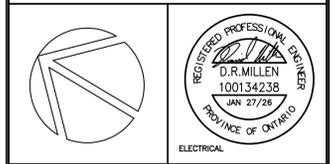
- NEW LIGHTS TO BE POWERED FROM EXISTING LIGHTING CIRCUIT(S). EXISTING LIGHTING IS 347V.
- NEW FIRE ALARM DEVICES TO BE ON EXISTING ZONE FOR THE AREA. FIRE ALARM SYSTEM TO BE RE-VERIFIED AFTER WORK COMPLETED. COORDINATE AND USE SUPPLIER. TROY FIRE & SAFETY, PHONE 905-914-0474. TANYA.MCKELVEY@TROYFS.COM
- NEW RECEPTACLES TO BE POWERED FROM EXISTING PANEL OUTSIDE ROOM. REUSE EXISTING BREAKERS WHERE POSSIBLE. PROVIDE NEW BREAKERS AS NEEDED. GROUP MAX 4 DESKS PER BREAKER. PROVIDE A 20A 120V CIRCUIT FOR EACH KITCHENETTE COUNTER RECEPTACLE (3). PROVIDE A 15A 120V CIRCUIT FOR THE QUIET POD AND 1 FOR THE REFRIGERATOR.
- UTILITY POLES TO BE LOCATED AS PER ARCHITECTURAL LAYOUT AND USED TO PROVIDE POWER TO DESK CLUMPS. CONTRACTOR TO USE CSA APPROVED WIRING SYSTEM TO DAISY CHAIN DESK MOUNTED RECEPTACLES OR SURFACE MOUNTED CONDUIT SYSTEM.
- PROVIDE POWER PACKS AS NEEDED FOR LIGHTING CONTROL.
- CONTRACTOR TO DETERMINE MODULAR POWER SYSTEM REQUIREMENTS, HARDWARE AND ACCESSORIES TO COMPLETE A SEAMLESS, CLEAN INSTALLATION THAT MEETS CODE REQUIREMENTS.
- ALL ASSOCIATED LIGHTING CONTROL PRODUCTS TO BE INTEGRATED AND CONTROLLED VIA THE LUTRON ATHENA SYSTEM IN PLACE IN THE BUILDING. COORDINATE AND USE SYSTEM SUPPLIER. AMG BAYTECH, PHONE 905-720-2144. ROBIN@AMGBAYTECH.CA
- NEW RGBW LED RIBBON FIXTURES TO BE MOUNTED TO TOP OF "CLOUD" IN FLEXIBLE CHANNEL TO PROVIDE INDIRECT LIGHT REFLECTING OFF THE CEILING ABOVE THE "CLOUDS". DRIVERS TO BE MOUNTED IN CEILING. PROVIDE POWER FOR DRIVERS FROM 120V CIRCUIT

POWER SCHEDULE			
⊗	UTILITY POLE. TWO DUPLEX RECEPTACLES, 10' POLE HEIGHT, FIELD CUT TO SUIT DROP TO DESKS, BLACK, 2 CHANNEL REC AS NEEDED. COORDINATE CLADDING WITH ARCHITECTURAL	LEGRAND	25DTP-4
⊕ <sub>F</sub>	MODULAR POWER SYSTEM SURFACE MOUNTED OUTLETS WITH CSA APPROVED WIRE CONNECTORS. CLAMP ON MOUNTED. EACH MODULE TO HAVE 2-3 120V 15A OUTLETS, USBC OUTLET WHITE IN COLOUR, MOUNTING HARDWARE AS REQUIRED	LEGRAND	MD-

LEGEND	
📣	HORN
●	HEAT DETECTOR
⊕	DUPLEX RECEPTACLE
⊕ <sub>F</sub>	DESK MOUNTED RECEPTACLE SYSTEM C/W CSA APPROVED CABLEING SYSTEM RUN BACK TO UTILITY POLE
⊕ <sub>G</sub>	DUPLEX RECEPTACLE MOUNTED 32" AFF
⊕ <sub>GR</sub>	GROUND FAULT, ABOVE COUNTER T-SLOT RECEPTACLE
⊕	UTILITY POLE
⊕	DIRECT CONNECTION
⊕	PUSH BUTTON
▶	DATA OUTLET
R	RELOCATED
E	EXISTING
⊕	ROUGH IN FOR ELECTRIC STRIKE
⊕	ROUGH IN FOR CARD READER

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR TENDER	26.01.27	DRM

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PROJECT  
**DNA B204 Renovation**  
**Trent University**  
2140 East Bank Dr.  
Peterborough, ON

TITLE		
<b>ELECTRICAL LAYOUT</b>		
DESIGN	DRM	SCALE AS NOTED
DRAWN	SAM	DWG NO.
CHECKED	DRM	<b>E1</b>
APPROVED	DRM	
PROJECT	7519	

**SPECIFICATION**

**1. GENERAL CONDITIONS**  
 1. DO ALL WORK IN ACCORDANCE WITH ONTARIO ELECTRICAL SAFETY CODE, CURRENT EDITION, BASED UPON THE CANADIAN ELECTRICAL CODE, PART I, CSA STANDARD C22.1, AND ALL BULLETINS TO DATE.

**2. SCOPE OF WORK**  
 2.1 PROVIDE ALL MATERIALS EQUIPMENT AND LABOUR TO PROVIDE A COMPLETE OPERATING INSTALLATION AS DESIGNATED IN THIS SPECIFICATION AND AS INDICATED ON THE DRAWINGS EXCEPT WHERE OTHERWISE NOTED.  
 2.2 THE SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO, SUPPLY AND INSTALLATION OF THE FOLLOWING ITEMS:  
 2.2.1 POWER DISTRIBUTION.  
 2.2.2 LIGHTING  
 2.2.3 EMERGENCY LIGHTING AND EXIT SIGNAGE.  
 2.2.4 FEEDERS AND OVER CURRENT PROTECTION FOR MECHANICAL EQUIPMENT.  
 2.2.7 EMPTY RACEWAY SYSTEM FOR TELEPHONE AND CABLE TV SYSTEMS  
 2.2.8 FIRE ALARM SYSTEM

**3. GENERAL**  
 3.1 ALL MATERIALS SHALL BE CSA APPROVED, NEW AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

**4. IDENTIFICATION**  
 4.1 WIRES TO BE COLOURED AS FOLLOWS: 120V AC NEUTRAL WHITE  
 12V DC BLUE.  
 120V AC SWITCHED, BLACK OR RED.  
 120V AC LINE, BLACK.

4.2 PROVIDE LAMICOID LABELS FOR NEW OR REVISED BREAKER PANELS, SPLITTERS AND DISCONNECTS.  
 4.3 PROVIDE TYPED CIRCUIT LISTING FOR NEW OR REVISED BREAKER PANELS.

**5. EXAMINATION OF SITE**  
 5.1 PRIOR TO SUBMITTING TENDERS, THIS CONTRACTOR SHALL VISIT THE SITE TO DETERMINE ALL EXISTING CONDITIONS.  
 5.2 ALLOW FOR ALL COSTS ASSOCIATED WITH COMPLETING THE WORK OF DIVISION 16 IN ACCORDANCE WITH EXISTING SITE AND BUILDING CONDITIONS.  
 5.3 NO ALLOWANCE FOR EXTRA PAYMENTS TO THE CONTRACTOR WILL BE MADE BY THE OWNER FOR FAILING TO VISIT AND EXAMINE SITE CONDITIONS.

**6. INSURANCE**  
 6.1 SUB-CONTRACTOR SHALL MAINTAIN SUCH INSURANCE AS WILL FULLY PROTECT BOTH THE OWNER AND THE SUB-CONTRACTOR FROM ANY AND ALL CLAIMS UNDER THE WORKMEN'S COMPENSATION ACT, ALSO ALL INSURANCE AS NOTED WITHIN ARCHITECTURAL GENERAL CONDITIONS.

**7. AS BUILT DRAWINGS**  
 7.1 MAINTAIN A SEPARATE SET OF WHITE PRINTS ON THE SITE AND NOTE ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL DESIGN. TWO SETS OF THESE DRAWINGS SHOWING ALL AS-BUILT CONDITIONS SHALL BE FORWARDED TO THE ARCHITECT AT THE COMPLETION OF THIS CONTRACT AND BEFORE APPLYING FOR FINAL PAYMENT.

**8. REVISIONS AND EXTRAS**  
 8.1 ADDITIONAL MONEY OVER THE CONTRACT PRICE SHALL NOT BE PAID UNLESS AN APPROVED CHANGE ORDER IS ISSUED BY THE ARCHITECT. CLAIMS FOR EXTRAS SHALL BE SUBMITTED WITH A COMPLETE BREAKDOWN OF MATERIAL, LABOUR, HOURLY RATES, ETC.

**9. CLEAN UP**  
 9.1 BE RESPONSIBLE TO KEEP THE AREA CLEAN AT ALL TIMES AND TO PERIODICALLY REMOVE ALL DEBRIS.

**10. CUTTING AND PATCHING**  
 10.1 ALL CUTTING AND PATCHING REQUIRED FOR THE WORK OF THIS DIVISION SHALL BE CARRIED OUT BY THIS DIVISION. NO CHASING BLOCK WORK WILL BE ALLOWED. CUTTING AND DRILLING SHALL BE PERFORMED IN A MANNER SO AS TO CAUSE LITTLE DAMAGE. BE RESPONSIBLE AND PAY FOR ANY DAMAGE TO THE BUILDING INCURRED BY WORK OF THIS DIVISION.

**11. COORDINATION**  
 11.1 BE RESPONSIBLE TO COORDINATE THE INSTALLATION OF EQUIPMENT, CONDUIT WORK, LIGHTING FIXTURES, ETC. WITH OTHER TRADES AND THE OWNER'S REPRESENTATIVE PRIOR TO THE ACTUAL INSTALLATION.

**12. RESPONSIBILITY**  
 12.1 BE RESPONSIBLE FOR ELECTRICAL WORK UNTIL THE COMPLETION AND FINAL ACCEPTANCE, FOR REPLACING ANY ITEM THAT MAY BE DEFECTIVE, DAMAGED, LOST OR STOLEN WITHOUT ADDITIONAL COST TO THE OWNER OR DELAY TO THE COMPLETION OF THE PROJECT.

**13. WIRING MATERIALS AND METHODS**  
 13.1 USE MATERIALS AND METHODS APPROVED BY ONTARIO ELECTRICAL CODE FOR USE IN NON-COMBUSTIBLE CONSTRUCTION.  
 13.2 ALL BUILDING WIRE SHALL BE COPPER TYPE RW90-XLPE WHERE APPROPRIATE EXCEPT WHERE OTHERWISE NOTED.  
 13.3 USE MINIMUM OF #12 AWG FOR BRANCH CIRCUIT WIRING.  
 13.4 ARMoured CABLE TYPE AC90 (BX) WITH INTERLOCKING ARMOUR FABRICATED FROM ALUMINUM STRIP C/W COPPER INSULATED CONDUCTORS, SIZE AS INDICATED, TO BE USED IN CONCEALED WALL AND CEILING CAVITIES.

**14. SHOP DRAWINGS AND PRODUCT DATA**  
 14.1 "SHOP DRAWINGS" MEANS DRAWINGS, DIAGRAMS, ILLUSTRATIONS, SCHEDULES, PERFORMANCE, CHARTS, BROCHURES, AND OTHER DATA WHICH ARE TO BE PROVIDED BY CONTRACTOR TO ILLUSTRATE DETAILS OF A PORTION OF THE WORK.  
 14.2 INDICATE MATERIALS METHODS OF CONSTRUCTION AND ATTACHMENT OR ANCHORAGE, NECESSARY FOR COMPLETION OF WORK.  
 14.3 ADJUSTMENTS MADE ON SHOP DRAWINGS BY OWNER OR ENGINEER ARE NOT INTENDED TO CHANGE CONTRACT PRICE.  
 14.4 MAKE CHANGES IN SHOP DRAWINGS AS OWNER OR ENGINEER REQUIRE.  
 14.5 SUBMIT 1 HIGH QUALITY ELECTRONIC COPY OF PRODUCT DATA SHEETS OR BROCHURES FOR LIGHTING FIXTURES, EMERGENCY LIGHTING, EXIT SIGNS, FIRE ALARM EQUIPMENT.  
 14.6 PROVIDE 2 MAINTENANCE MANUALS COMPLETE WITH WARRANTEE, CERTIFICATE OF INSPECTION BY ESA, FIRE ALARM VERIFICATION REPORT, AND COPY OF ALL PRODUCT LITERATURE AND MAINTENANCE INFORMATION.

**15. SYSTEMS DEMONSTRATION**  
 15.1 PRIOR TO FINAL INSPECTION DEMONSTRATE OPERATION OF EACH SYSTEM TO OWNER AND ENGINEER.  
 15.2 INSTRUCT PERSONNEL IN OPERATION ADJUSTMENT AND MAINTENANCE OF EQUIPMENT AND SYSTEMS, USING PROVIDED OPERATION AND MAINTENANCE DATA AS BASIS FOR INSTRUCTION.

**16. PERMITS, FEES AND INSPECTION**  
 16.1 SUBMIT TO ELECTRICAL SAFETY AUTHORITY NECESSARY NUMBER OF DRAWINGS AND SPECIFICATIONS FOR EXAMINATION AND APPROVAL PRIOR TO COMMENCEMENT OF WORK.  
 16.2 PAY ASSOCIATED FEES, INCLUDING EQUIPMENT APPROVAL INSPECTION FEE.  
 16.3 OWNER WILL PROVIDE DRAWINGS AND SPECIFICATIONS REQUIRED BY ELECTRICAL SAFETY AUTHORITY AT NO COST.  
 16.4 NOTIFY ENGINEER OF CHANGES REQUIRED BY ELECTRICAL SAFETY AUTHORITY PRIOR TO MAKING CHANGES.  
 16.5 FURNISH CERTIFICATES OF ACCEPTANCE FROM ELECTRICAL SAFETY AUTHORITY AND AUTHORITIES HAVING JURISDICTION OF COMPLETION OF WORK TO ENGINEER.

**17. THIRD PARTY TESTING**  
 17.1 THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THIRD PARTY TESTING OF THE LIGHTING SYSTEM IN ACCORDANCE WITH ASHRAE STANDARD 90.1-2010, SECTION 9.4.4 FUNCTIONAL TESTING. THE PARTY RESPONSIBLE FOR THE FUNCTIONAL TESTING SHALL NOT BE DIRECTLY INVOLVED IN EITHER THE DESIGN OR CONSTRUCTION OF THE PROJECT AND SHALL PROVIDE DOCUMENTATION CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET OR EXCEED ALL DOCUMENTED PERFORMANCE CRITERIA.  
 17.2 LIGHTING CONTROL DEVICES AND CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.  
 17.3 WHEN SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS OR PHOTOSENSORS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:  
 17.2.1 CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE, LIGHTS TURN OFF ONLY AFTER SPACE IS VACATED. WHERE AN AUTO-ON MODE HAS BEEN SELECTED, LIGHTS DO NOT TURN ON UNLESS SPACE IS OCCUPIED.  
 17.2.2 CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED CORRECTLY TO TURN THE LIGHTS OFF.  
 17.2.3 WHERE DAYLIGHT HARVESTING CAPABILITY HAS BEEN INSTALLED, CONFIRM THAT PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT LEVELS BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

**18. WARRANTY**  
 18.1 AFTER THE WORK IS COMPLETED, GIVE A WRITTEN GUARANTEE FOR ONE YEAR COVERING WORKMANSHIP AND MATERIALS. REPAIR OR REPLACE, WITHOUT EXPENSE TO THE OWNER, ANY DEFECTS DUE TO WORKMANSHIP OR MATERIALS WHICH IN THE OWNER'S OPINION, ARE NOT DUE TO MISUSE OR NEGLECT.

**19. CONDUITS AND RACEWAYS**  
 19.1 RIGID GALVANIZED STEEL CONDUIT TO BE USED WHERE SUBJECT TO MECHANICAL DAMAGE.  
 19.2 ELECTRICAL METALLIC TUBING (EMT) WITH COUPLINGS TO BE USED EXCEPT WHERE EMBEDDED IN CONCRETE OR SUBJECT TO UNDUE MOISTURE OR MECHANICAL DAMAGE.  
 19.3 RIGID PVC CONDUIT WHERE EMBEDDED IN CONCRETE OR BELOW GRADE.  
 19.4 FLEXIBLE ALUMINUM CONDUIT WITH WEATHERPROOF COVERING TO BE USED WHERE SUBJECT TO VIBRATION OR STRAIN RELIEF.  
 19.5 CONDUITS IN FINISHED AREA SHALL BE CONCEALED.  
 19.6 CONDUITS SHALL BE MINIMUM 1/2".

**20. INSTALLATION OF OUTLETS**  
 20.1 THE DRAWINGS SHOW APPROXIMATE LOCATION OF OUTLETS, EXACT LOCATION SHALL BE COORDINATED ON THE SITE WITH OTHER TRADES, ARCHITECTURAL DRAWINGS, ETC. OUTLETS INACCURATELY LOCATED SHALL BE READJUSTED OR RELOCATED AT THE CONTRACTOR'S EXPENSE. UNLESS OTHERWISE NOTED ON THE DRAWING LOCATE OUTLETS AS FOLLOWS:  
 20.1.1 RECEPTACLES, TELEPHONE AND DATA OUTLETS (15.7") 400mm ABOVE FINISHED FLOOR.  
 20.1.2 OUTLETS OVER COUNTER (48") 1143mm ABOVE FLOOR OR CO-ORDINATION.  
 20.1.3 OUTLETS IN MECHANICAL, ELECTRICAL AND TELEPHONE ROOMS (48") 1220mm ABOVE FLOOR.  
 20.1.4 LIGHT SWITCHES NOT LESS THAN (35.4") 900mm AND NOT MORE THAN (43") 1100mm ABOVE FLOOR.  
 20.2 RACEWAYS SHALL BE EMT UNLESS OTHERWISE NOTED.  
 20.3 SUPPORT OUTLET BOXES, JUNCTION BOXES, CONDUIT AND THE LIKE.

**21. RECEPTACLES**  
 21.1 WHITE DUPLEX RECEPTACLES CSA TYPE 5-15R, 125V OR CSA 5-20A 20A, T-SLOT, U GROUND.  
 21.2 WHITE COVER PLATES.  
 21.3 IF RECEPTACLE IS SURFACE MOUNTED USE CAST BOX AND STAINLESS STEEL COVER PLATE.

**22. EXCAVATION, BACKFILL AND CONCRETE WORK**  
 22.1 WHERE REQUIRED FOR UNDERGROUND SERVICE (POWER OR TELEPHONE) THE EXCAVATION, BACKFILL AND CONCRETE WORK SHALL BE BY THE GENERAL CONTRACTOR. THE ELECTRICAL TRADE SHALL SUPERVISE THE PROCESSING OF CONCRETE AROUND DUCT BANK, TO ENSURE THEY ARE FREE FROM VOIDS SHALL ADVISE THE GENERAL CONTRACTOR OF THIS WORK FOR INCLUSION IN THE GENERAL CONTRACTOR'S TENDER PRICE.

**23. MECHANICAL EQUIPMENT**  
 23.1 PROVIDE ALL CONDUIT, WIRING, SPLITTERS, OUTLET BOXES AND DISCONNECT SWITCHES AS SHOWN. ALL MOTORS, STARTERS AND CONTROL WIRING PROVIDED BY MECHANICAL DIVISION UNLESS OTHERWISE NOTED. INSTALL ALL STARTERS AND WIRE COMPLETE. ALL EXTERIOR DISCONNECTS TO BE WEATHERPROOF.  
 23.2 THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL MOTOR CONNECTION FOR PROPER PHASE ROTATION, WHERE APPLICABLE.

**24. SWITCHES**  
 24.1 WHITE WIRELESS PICO OFF/ON/DIMMER SWITCH

**25. EQUIPMENT FOR EMERGENCY LIGHTING**  
 25.1 SUPPLY VOLTAGE: 120V AC  
 25.2 OUTPUT VOLTAGE: 12V DC  
 25.3 OPERATIONS TIME: 30 MINUTES MINIMUM  
 25.4 CABINET: SUITABLE FOR DIRECT OR SHELF MOUNTING TO WALL C/W KNOCKOUTS FOR CONDUIT, REMOVABLE OR HINGED FRONT PANEL FOR EASY ACCESS TO BATTERIES.

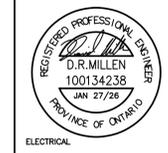
**26. TELEPHONE CABLE T.V./COMPUTER RACEWAY SYSTEM (ETC.)**  
 26.1 PROVIDE EMPTY CONDUIT SYSTEMS FOR TELEPHONE AS SHOWN ON THE DRAWINGS.  
 26.2 WHERE CONDUITS NOT SHOWN ON DRAWINGS PROVIDE CONDUITS FROM OUTLET BOX TO ACCESSIBLE CEILING SPACE.  
 26.3 THIS CONTRACTOR SHALL PROVIDE AND/OR COORDINATE THE SIZE, TYPE AND LOCATION OF THE INCOMING TELEPHONE CONDUIT WITH THE TELEPHONE COMPANY OR THE BUILDING OWNER.  
 26.4 RACEWAYS (OTHER THAN INCOMING) SHALL BE EMT.  
 26.5 A MAXIMUM OF 2 LONG RADIUS 90 DEGREE BENDS SHALL BE PROVIDED BETWEEN PULL BOXES.  
 26.6 A WIRE SHALL BE PULLED AND LEFT IN EACH CONDUIT RUN TO FACILITATOR THE FUTURE PULLING OF WIRES.  
 26.7 PROVIDE NECESSARY BOXES AND ASSOCIATED COVER PLATES AS REQUIRED FOR THE ABOVE SYSTEMS.

**28. FIRE ALARM**  
 28.1 PROVIDE ALL MATERIAL EQUIPMENT AND LABOUR REQUIRED FOR A COMPLETE AND ADEQUATE INSTALLATION OF THE FIRE ALARM SYSTEM AS SHOWN ON THE DRAWINGS AND AS DESCRIBED HEREIN. MATCH EXISTING SYSTEM.  
 28.2 SHOP DRAWINGS FOR THE COMPLETE SYSTEM, INCLUDING LAYOUT OF EQUIPMENT, ZONING AND COMPLETE WIRING DIAGRAMS FOR CONNECTIONS AND DEVICES, AND METHODS OR OPERATION SHALL BE SUBMITTED.  
 28.3 ALL COMPONENTS OF THE SYSTEM, ITS INSTALLATION AND THE SYSTEM AS A WHOLE SHALL BE ULC LISTED AND LABELLED AND SHALL MEET THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION OF THE APPLICATION. THE ENTIRE INSTALLATION SHALL BE CARRIED OUT IN ACCORDANCE WITH CAN. ULC S524 AND SHALL BE VERIFIED IN ACCORDANCE WITH CAN. ULC S537.  
 28.4 BREAKER FOR FIRE ALARM CONTROL PANEL AND BOOSTER PANELS TO BE LOCKABLE AND CLEARLY IDENTIFIED BY PAINTING IT RED.  
 28.5 PROVIDE SEPARATE CIRCUITS FROM CONTROL PANEL TO EACH ZONE OF INITIATING DEVICES.  
 28.6 SINGLE STAGE OPERATION.  
 28.7 ACTUATION OF ANY SINGLE OPERATION DEVICE TO INITIATE BUILDING EVACUATION ALARM DEVICES TO OPERATE IN TEMPORAL CODE. CONFIRM WITH LOCAL AUTHORITY.  
 28.8 ZONE OF ALARM DEVICE TO BE INDICATED ON CONTROL PANEL.  
 28.9 POWER SUPPLY IS 120VAC, 60Hz INPUT, 24VDC OUTPUT FROM RECTIFIER TO OPERATE ALARM AND SIGNAL CIRCUITS WITH STANDBY POWER GEL CELL BATTERIES. MINIMUM EXPECTED LIFE OF FOUR YEARS, SIZED IN ACCORDANCE WITH NBC.  
 28.10 PROVIDE FIRE ALARM SYSTEM RISER DIAGRAM IN CONTROL PANEL.  
 28.11 ARRANGE AND PAY FOR ON-SITE LECTURE AND DEMONSTRATION BY FIRE ALARM EQUIPMENT MANUFACTURER TO TRAIN OPERATIONAL PERSONNEL IN USE AND MAINTENANCE OF FIRE ALARM SYSTEM.  
 28.12 COORDINATE WITH MANUFACTURER TO PROVIDE STROBE LIGHT SYNCHRONIZATION MODULES AS REQUIRED.  
 28.13 PROVIDE SUFFICIENT OUTPUT MODULES IN FIRE ALARM CONTROL PANEL.  
 28.14 PROVIDE OUTPUT POWER BOOSTERS AS REQUIRED. COORDINATE WITH MANUFACTURER.  
 28.15 ALL FIRE ALARM JUNCTION BOXES SHALL BE PAINTED RED.  
 28.16 WHERE FIRE PROTECTION AND LIFE SAFETY SYSTEMS, AND SYSTEMS WITH FIRE PROTECTION AND LIFE SAFETY FUNCTIONS, ARE INTEGRATED WITH EACH OTHER, THE SYSTEMS SHALL BE TESTED AS A WHOLE IN ACCORDANCE WITH CAN/ULC-S1001, "INTEGRATED SYSTEMS TESTING OF FIRE PROTECTION AND LIFE SAFETY SYSTEMS" TO VERIFY THAT THE SYSTEMS HAVE BEEN PROPERLY INTEGRATED.

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR TENDER	26.01.27	DRM

**REVISIONS**

Kirkland Engineering Ltd BCIN: 28857



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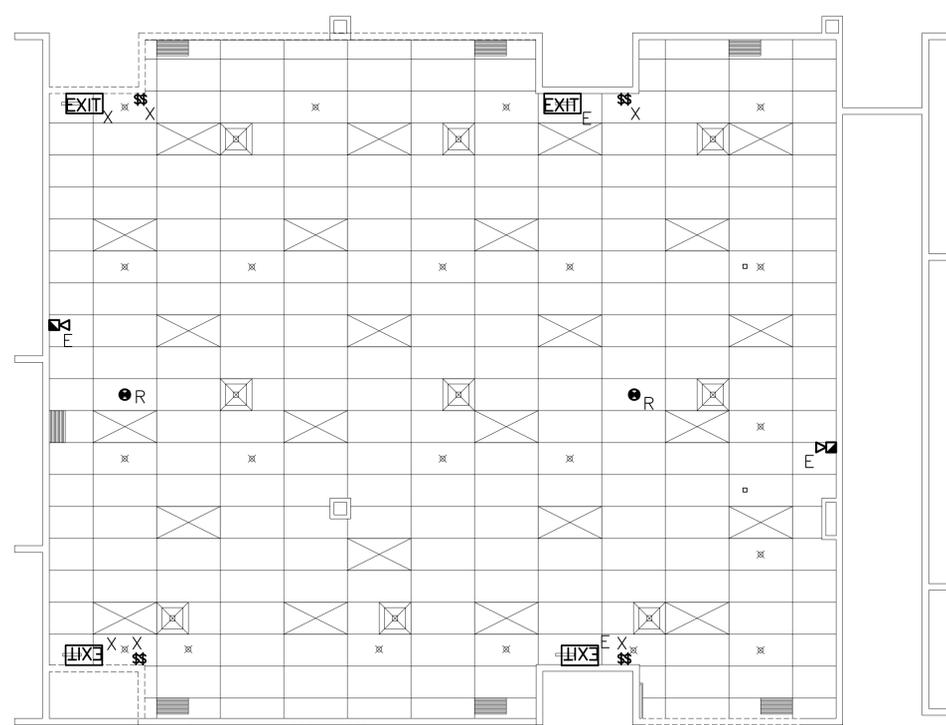


PROJECT  
**DNA B204 Renovation**  
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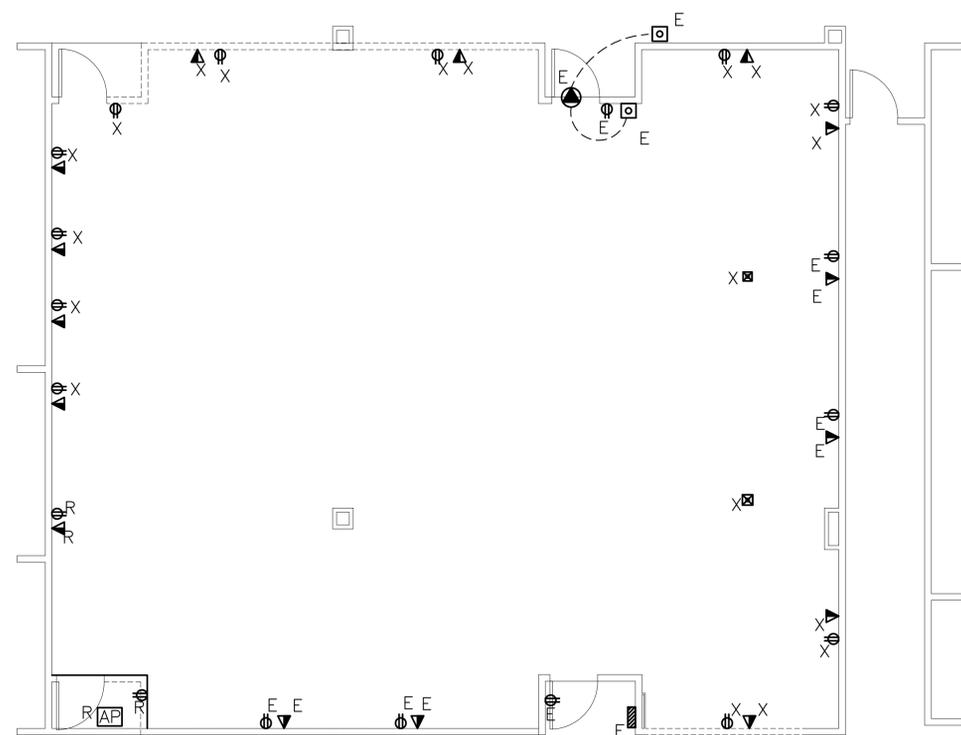
TITLE  
**SPECIFICATION**

DESIGN	DRM	SCALE AS NOTED
DRAWN	SAM	DWG NO.
CHECKED	DRM	<b>E2</b>
APPROVED	DRM	
PROJECT	7519	

- LEGEND**
- ⊕ DUPLEX RECEPTICAL
  - ▼ PHONE/DATA OUTLET PANEL
  - ▣ UTILITY POLE
  - ⊠ 2'x4' TROFFER FIXTURE TO BE REMOVED
  - EXIT EXIT SIGN
  - \$ TOGGLE LIGHT SWITCH
  - X REMOVE
  - E EXISTING TO REMAIN
  - R RELOCATE



1 EXISTING REFLECTED CEILING PLAN  
E3  
3/16" = 1'-0"



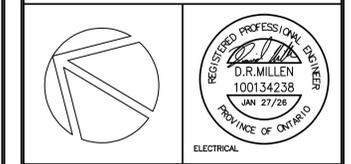
2 EXISTING FLOOR PLAN  
E3  
3/16" = 1'-0"

EXIST. ELECTRICAL PANEL TO REMAIN

- NOTE**
1. EXISTING LIGHTING AND CONTROLS TO BE REMOVED. RETAIN CIRCUIT(S) FOR NEW.
  2. CONTRACTOR TO ASSIST IN REMOVING FIRE DETECTORS AND PROTECTING DURING CONSTRUCTION.
  3. CONTRACTOR TO RE-USE RECEPTACLES NOTED FOR RELOCATION WHERE POSSIBLE, REPLACE AS NEEDED.
  4. CONTRACTOR TO RE-USE EXISTING CIRCUITS WHERE POSSIBLE.
  5. CONTRACTOR TO REMOVE ANY UNUSED WIRE, AND MARK UNUSED BREAKERS AS SPARE.
  6. COORDINATE COMMUNICATION OUTLETS AND CABLE REMOVAL/REPLACEMENT WITH TRENT'S IT DEPARTMENT.

REVISIONS			
NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR TENDER	26.01.27	DRM

Kirkland Engineering Ltd BCIN: 28857



NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED BY THE ENGINEER.

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PROJECT  
**DNA B104 Renovation  
Trent University**  
2140 East Bank Dr.  
Peterborough, ON

TITLE  
**ELECTRICAL  
DEMOLITION**

DESIGN	DRM	SCALE AS NOTED
DRAWN	SAM	DWG NO.
CHECKED	DRM	E3
APPROVED	DRM	
PROJECT	7519	