

AREA OF WORK

DATA CLOSET

01	2026-03-19	ISSUED FOR TENDER	TG
NO.	DATE	REVISION NO	BY

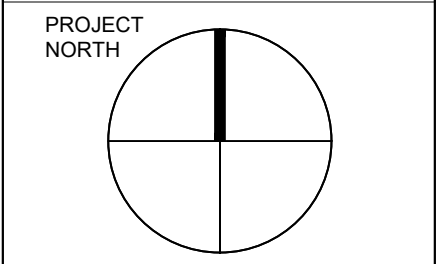
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DEPARTMENT OF BIO-SCIENCE  
UNIVERSITY OF TORONTO  
SCARBOROUGH  
1265 MILITARY TRAIL, TORONTO ONTARIO, M1C1A4  
PROJECT #:  
DCM2025-20

PROJECT TITLE:  
SY LEVEL 2 \_ BIO-SCI LAB  
INTERIOR RENOVATION

SCIENCE RESEARCH, 1265 MILITARY TRAIL  
DRAWN BY: TG  
CHECKED BY:

DRAWING TITLE:  
CONTEXT PLAN



**LEGEND:**

	OUT OF SCOPE
	AREA OF WORK
	TO BE REMOVED
	EXISTING PARTITION WALL TO REMAIN
	EXISTING PARTITION WALL TO BE DEMOLISHED
	NEW PARTITION
	EXISTING DOOR TO REMAIN

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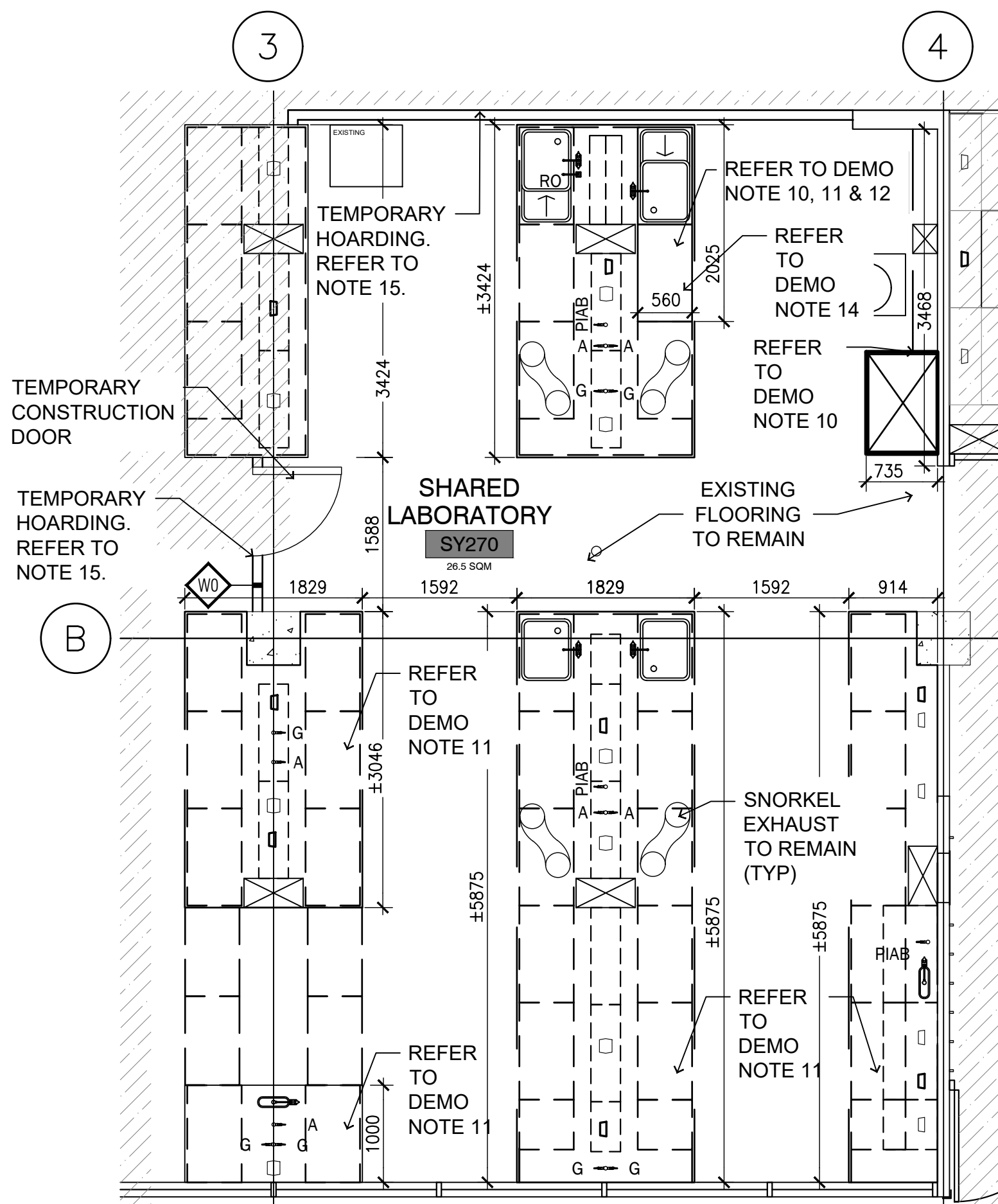
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1265 MILITARY TRAIL, TORONTO ONTARIO, M1C1A4

PROJECT #:  
**DCM2025-20**

PROJECT TITLE:  
**SY LEVEL 2 \_ BIO-SCI LAB  
INTERIOR RENOVATION**

SCIENCE RESEARCH, 1265 MILITARY TRAIL  
DRAWN BY: TG CHECKED BY: -  
DRAWING TITLE:  
**EXISTING FLOOR PLAN**

DATE: 2026-03-19 DRAWING NO.:  
SCALE: **A1.1**  
AS NOTED



**01 EXISTING FLOOR PLAN**  
A1.1 1:75

**GENERAL NOTES APPLY TO ALL DRAWINGS:**

- THE DRAWINGS ARE NOT STANDALONE AND ARE TO BE READ IN CONJUNCTION WITH THE COMPLETE SET OF CONTRACT DOCUMENTS.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING (PROVINCIAL & MUNICIPAL) AUTHORITIES.
- EXISTING CONSTRUCTION SHOWN HAS BEEN TAKEN FROM AVAILABLE INFORMATION, WHEN SPECIFIC DETAILS ARE UNAVAILABLE, ASSUMPTIONS HAVE BEEN MADE REGARDING PROBABLE CONSTRUCTION. ANY VARIANCE FROM CONSTRUCTION AS SHOWN ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO ATTENTION OF UTSC PM.
- FILL ALL EXISTING HOLES LEFT FROM MECHANICAL AND ELECTRICAL SERVICES REMOVED OR RELOCATED TO MAINTAIN REQUIRED FIRE SEPARATIONS.
- PATCH AND MAKE GOOD ALL EXISTING FLOOR, WALL AND CEILING MATERIALS AND FINISHES DESTROYED BY CONSTRUCTION TO MATCH EXISTING ADJACENT.
- CLEAN UP DEBRIS ON A DAILY BASIS AND DISPOSE OF IN AN APPROVED DISPOSAL FACILITY OFFSITE ON A REGULAR BASIS. BUILDING PREMISES ARE TO BE THOROUGHLY CLEANED PRIOR TO TAKEOVER BY THE OWNER.
- ALL WORK SHALL BE INSTALLED IN A NEAT AND TIDY MANNER.
- ADEQUATELY PROTECT THE WORK AT ALL STAGES OF CONSTRUCTION AND MAINTAIN THE PROTECTION UNTIL WORK IS COMPLETED. REMOVE AND REPLACE AT NO EXPENSE TO THE OWNER ANY DAMAGED WORK AND MATERIALS THAT CANNOT BE REPAIRED OR RESTORED TO OWNER'S SATISFACTION.
- CONTRACTOR TO INCLUDE FOR REMOVAL, TEMPORARY STORAGE ON SITE OR HANDING OVER TO OWNER AS DETERMINED BY OWNER AND REINSTALLATION WHERE NOTED OF EXISTING EQUIPMENT, LIGHT FIXTURES, DOORS, HARDWARE, ETC. THAT ARE REQUIRED TO BE REMOVED, RELOCATED AND/OR REINSTALLED TO COMPLETE THE WORKS. ALL REMOVED MATERIALS REQUIRED TO BE REINSTALLED SHALL BE REINSTALLED IN UN DAMAGED CONDITION.
- EXISTING FURNITURE TO BE RELOCATED & STORED FOR FUTURE USE BY OTHERS (TYP).

**DEMOLITION DRAWING NOTES:**

- THE UTSC DEMOLITION DRAWINGS ARE TO BE READ WITH THE MECHANICAL, ELECTRICAL DEMOLITION DRAWINGS AND SPECIFICATIONS.
- THE DIMENSIONS SHOWN IN THIS DRAWING ARE FROM EXISTING ELEMENTS, SUCH AS THE FINISHED FACE OF WALLS AND CEILINGS TO THE FACE OF NEW WORK.
- IN AREAS OF RENOVATION, REMOVE ALL ITEMS THAT HAVE BECOME OBSOLETE OR DORMANT OR ARE NO LONGER NEEDED OR CONNECTED TO NEW WORK.
- BEFORE THE RENOVATION, CONSULT WITH THE CLIENT AS TO WHICH ITEMS ARE TO BE REMOVED, REFURBISHED AND/OR STORED FOR REUSE.
- IN SITUATIONS WHERE THE EXISTING CONFIGURATION DIFFERS FROM THE DRAWINGS, CONSULT WITH THE UTSC PM BEFORE DEMOLITION.
- CONTRACTOR TO COORDINATE CAREFUL REMOVAL OF ELECTRICAL FIXTURES AND STORAGE FOR REUSE. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO COORDINATE CAREFUL REMOVAL AND DISPOSAL OF PLUMBING FAUCETS AND FIXTURES. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

TYPE	MATERIAL	DESCRIPTION	NOTES
EX	EXISTING FINISH OR MATERIAL	EXISTING FINISH OR MATERIAL TO REMAIN.	CONTRACTOR TO MAKE GOOD ANY DAMAGE TO EXISTING SURFACE DURING CONSTRUCTION.
M01	WALL BASE	JOHNSONITE WALL BASE, PROFILE 4" HEIGHT, COLOUR TO MATCH BUILDING STANDARD	REFER TO GENERAL FINISH NOTES.
PT01	WALL PAINT	PAINT GWB WITH ONE[1] BASE COAT OF SHERWIN WILLIAMS PRO MAR 200 PRIMER TWO[2] COATS OF SHERWIN WILLIAMS PROMAR 200 INTERIOR LATEX, SHEEN TO BE EGG-SHELL. COLOUR: MATCH EXISTING.	REFER TO GENERAL FINISH NOTES.
DTM	PAINT DIRECT TO METAL	PAINT NEW AND EXISTING EXPOSED METAL ELEMENTS WITH SHERWIN WILLIAMS PRO INDUSTRIAL DTM ACRYLIC COATING IN COLOUR AND FINISH TO MATCH NEARBY EXISTING SURFACES. PREP AND PAINT EXISTING AND NEW SURFACES ACCORDING TO MANUFACTURE INSTRUCTIONS	REFER TO GENERAL FINISH NOTES AND DOOR SCHEDULE.

**GENERAL FINISH NOTES:**

ALL FINISHES AND MATERIALS TO BE INSTALLED ACCORDING TO MANUFACTURES INSTRUCTIONS.

**GENERAL FINISH NOTES**

- PAINTING**
- SUBMIT COPIES OF MANUFACTURER'S PRODUCT DATA INDICATING:
    - PERFORMANCE CRITERIA, COMPLIANCE WITH APPROPRIATE REFERENCE STANDARD, CHARACTERISTICS, LIMITATIONS.
    - PRODUCT TRANSPORTATION, STORAGE, HANDLING AND INSTALLATION REQUIREMENTS.
    - SUBMIT LISTING OF MANUFACTURERS PRODUCT TYPES, PRODUCT CODES, AND PRODUCT NAMES, NUMBER OF COATS, AND DRY FILM THICKNESSES, CORRESPONDING TO EACH PAINTING SCHEDULE CODE.

- SUBMIT THE FOLLOWING SAMPLES:
    - THREE 300 X 150mm DRAW DOWNS OF EACH COLOUR MINIMUM 4 WEEKS BEFORE PAINTS ARE REQUIRED.
    - IDENTIFY EACH SAMPLE WITH CONTRACT NUMBER AND TITLE, COLOUR REFERENCE, SHEEN, DATE, AND NAME OF APPLICATOR.
- FINISHING WORK: PERFORM WORK TO MPI REQUIREMENTS FOR PREMIUM GRADE.

APPLY PAINTING SYSTEMS IN ACCORDANCE WITH THE MPI PAINTING SPECIFICATION MANUAL. APPLY EACH PRODUCT TO MANUFACTURER'S RECOMMENDED DRY FILM THICKNESS.

**WALL BASE**

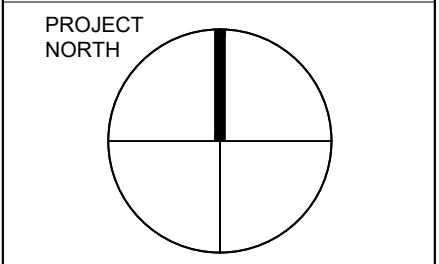
- SUBMIT THE FOLLOWING SAMPLES:
- TWO 4" LONG SAMPLES OF ALL FLOORING ACCESSORIES INCLUDING WALL BASE AND TRANSITION STRIPS.

**02 FINISH SCHEDULE**  
A1.1 NTS

TYPE	ASSEMBLY	CONSTRUCTION	GENERAL PARTITION NOTES
WO		<p><b>TEMPORARY HOARDING</b></p> <p>GYPSUM BOARD: 5/8 IN. THICK GYPSUM BOARD APPLIED HORIZONTALLY OR VERTICALLY</p> <p>STEEL STUDS: 3-5/8 IN. DEEP STEEL STUDS, 96" HT @ 16" O.C. BRACING AS REQUIRED.</p> <p>INSULATION: MIN. 3 IN. THICK MINERAL WOOL.</p> <p>GYPSUM BOARD: 5/8 IN. THICK GYPSUM BOARD APPLIED HORIZONTALLY OR VERTICALLY</p>	<ol style="list-style-type: none"> <li>ALL PARTITIONS TO EXTEND FROM FLOOR TO U/S OF STRUCTURE ABOVE UNLESS NOTED OTHERWISE.</li> </ol>

**03 PARTITION SCHEDULE**  
A1.1 NTS

- CONTRACTOR TO REMOVE AND STORE STAINLESS STEEL UPPER SHELVES AND REINSTALL AFTER THE NEW EPOXY BENCHTOP IS INSTALLED.
- EXISTING MILLWORK CHASE TO REMAIN. CONTRACTOR TO COORDINATE AROUND REPLACEMENT OF COUNTERTOPS AND BACKSPLASH. CONTRACTOR TO COORDINATE TEMPORARY SUPPORT FOR INTERIOR SUPPORTS AND FACE OF CHASE TO REMAIN IN PLACE WHILE COUNTERTOP IS REPLACED.
- CAREFULLY REMOVE AND DISPOSE OF INDICATED EXISTING WOOD CABINETRY. REFER TO PROPOSED PLAN AND ELEVATIONS TO COORDINATE AREA OF WORK.
- CAREFULLY REMOVE AND DISPOSE OF ALL EXISTING LAMINATE COUNTERTOPS AND BACKPLASHES IN SY270.
- PATCH AND MAKE GOOD ALL EXISTING WOOD CASEWORK AS A RESULT OF DEMOLITION.
- ALL EXISTING SNORKEL EXHAUSTS TO REMAIN IN SY270.
- PATCH AND MAKE GOOD EXISTING FLOORING AS A RESULT OF DEMOLITION. PROVIDE SAMPLE FOR REVIEW IF DAMAGE BEYOND REPAIR.
- PROVIDE TEMPORARY HOARDING WITH UNIVERSITY STANDARD MEDECO KEY LOCKABLE ACCESS DOOR ACCORDING TO PLAN AND PARTITION SCHEDULE. ALL JOINTS TO BE DUST TIGHT. PROVIDE DUST TIGHT SCREENS OR PARTITIONS TO LOCALIZE DUST ABOVE PUBLIC SIDE TO BE PAINTED MIN. 2 COATS LATEX PAINT, SEMI-GLOSS, COLOUR: MATCH EXISTING.



LEGEND:

	OUT OF SCOPE
	AREA OF WORK
	TO BE REMOVED
	EXISTING PARTITION WALL TO REMAIN
	EXISTING PARTITION WALL TO BE DEMOLISHED
	NEW PARTITION
	EXISTING DOOR TO REMAIN

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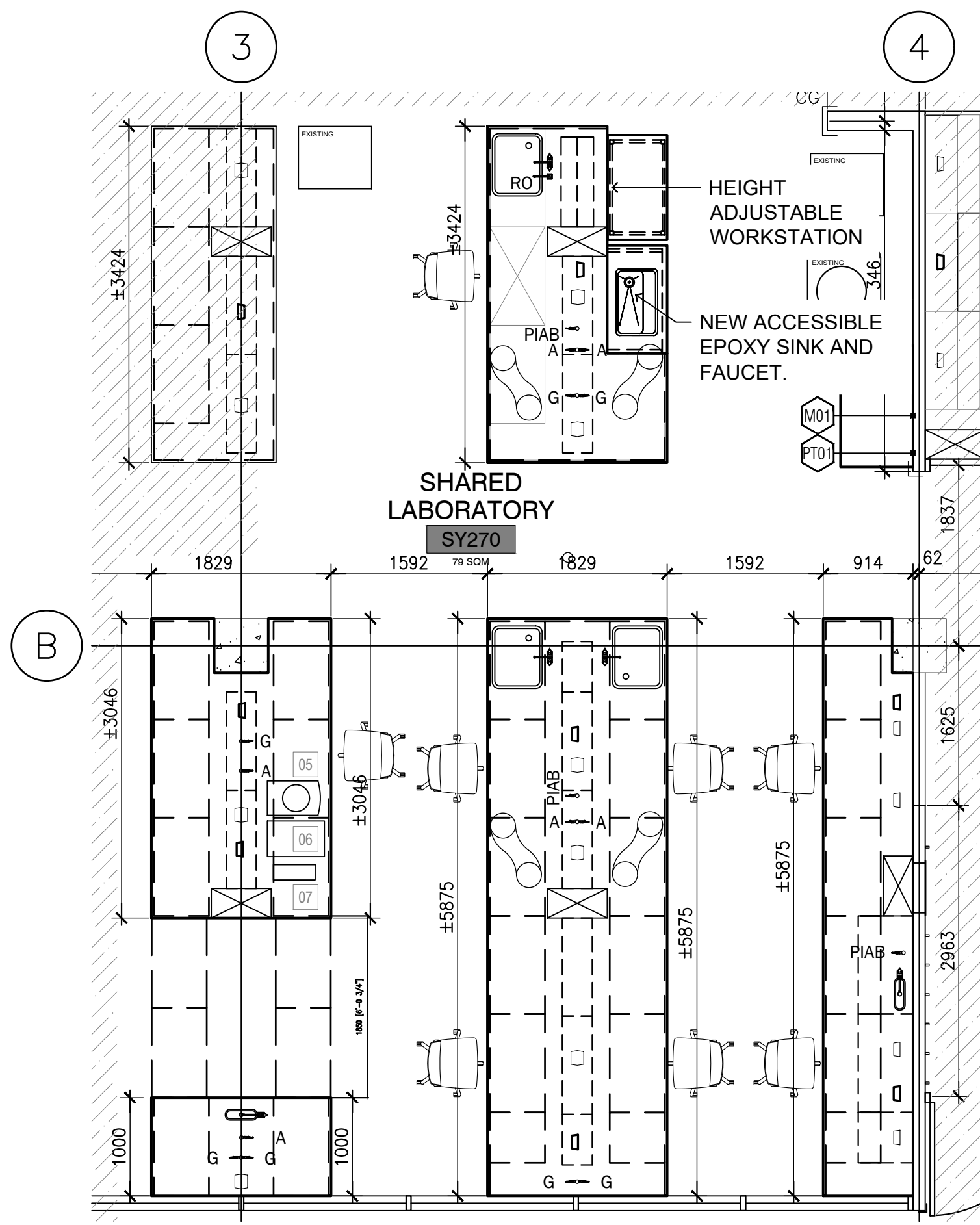
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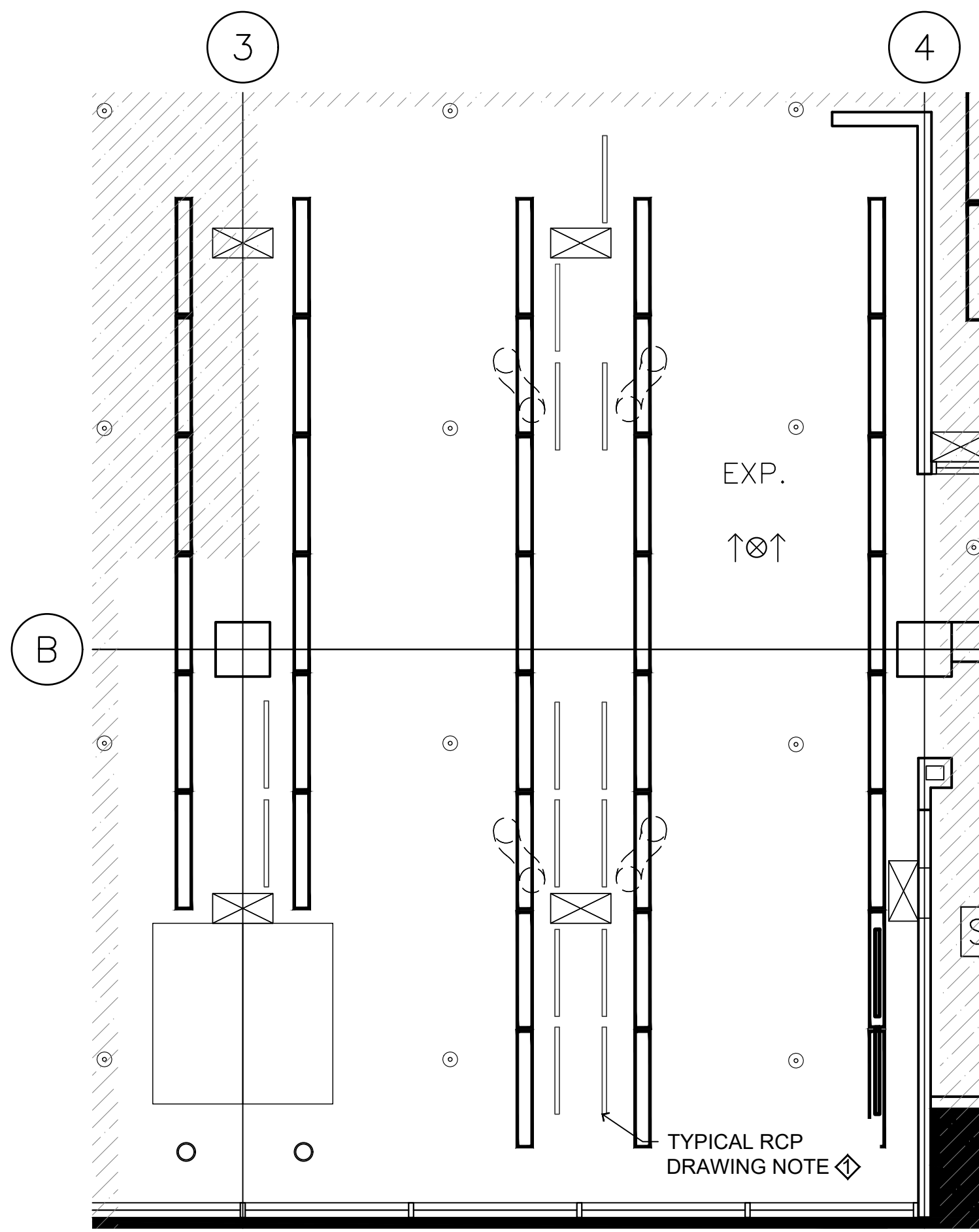
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**SY LEVEL 2 \_ BIO-SCI LAB  
INTERIOR RENOVATION**

SCIENCE RESEARCH, 1265 MILITARY TRAIL  
DRAWN BY: TG CHECKED BY: -  
DRAWING TITLE:  
**PROPOSED FLOOR & REFLECTED  
CEILING PLAN**

DATE:  
2026-03-19  
SCALE:  
AS NOTED  
DRAWING NO:  
**A2.1**



01 **PROPOSED FLOOR PLAN**  
A2.1 1:75



02 **PROPOSED REFLECTED CEILING PLAN**  
A2.1 1:75

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- FILL ALL EXISTING HOLES LEFT FROM MECHANICAL AND ELECTRICAL SERVICES REMOVED OR RELOCATED TO MAINTAIN REQUIRED FIRE SEPARATIONS.
- PATCH AND MAKE GOOD ALL EXISTING FLOOR, WALL AND CEILING MATERIALS AND FINISHES DESTROYED IN PROCESS OF DEMOLITION OR REMOVED BY CONSTRUCTION TO MATCH EXISTING ADJACENT.
- CLEAN UP DEBRIS ON A DAILY BASIS AND DISPOSE OF IN AN APPROVED DISPOSAL FACILITY OFFSITE ON A REGULAR BASIS. BUILDING PREMISES ARE TO BE THOROUGHLY CLEANED PRIOR TO TAKEOVER BY THE OWNER.
- ALL WORK SHALL BE INSTALLED IN A NEAT AND TIDY MANNER.
- ADEQUATELY PROTECT THE WORK AT ALL STAGES OF CONSTRUCTION AND MAINTAIN THE PROTECTION UNTIL WORK IS COMPLETED. REMOVE AND REPLACE AT NO EXPENSE TO THE OWNER ANY DAMAGED WORK AND MATERIALS THAT CANNOT BE REPAIRED OR RESTORED TO OWNER'S SATISFACTION.
- CONTRACTOR TO INCLUDE FOR REMOVAL, TEMPORARY STORAGE ON SITE OR HANDING OVER TO OWNER AS DETERMINED BY OWNER AND REINSTALLATION WHERE NOTED OF EXISTING EQUIPMENT, LIGHT FIXTURES, DOORS, HARDWARE, ETC. THAT ARE REQUIRED TO BE REMOVED, RELOCATED AND/OR REINSTALLED TO COMPLETE THE WORKS. ALL REMOVED MATERIALS REQUIRED TO BE REINSTALLED SHALL BE REINSTALLED IN UN DAMAGED CONDITION.
- SUPPLY AND INSTALL FIRESTOPPING MATERIAL TO MAINTAIN EXISTING FIRE SEPARATIONS AT ALL ELECTRICAL AND MECHANICAL SERVICE PENETRATIONS. PROVIDE MATERIAL SUBMITTAL.

FLOOR PLAN DRAWING NOTES:

- COORDINATE NEW CONCRETE OPENINGS WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. PRIOR TO CUTTING OR CORING ANY CONCRETE SLAB, SUSPENDED OR ON GRADE, OR ANY CONCRETE BEAM, INVESTIGATE BY TELEMETRICALLY SCANNING THE ELEMENT FOR PRESENCE OF EMBEDDED SERVICES (PIPING, CABLING, CONDUIT, ETC.) AND FOR LOCATIONS OF REINFORCING STEEL IN SUSPENDED CONCRETE SLABS AND BEAMS. COORDINATE LOCATIONS WITH UTSC PM.
- SUPPLY AND INSTALL FIRESTOPPING MATERIAL TO MAINTAIN EXISTING FIRE SEPARATIONS AT ALL ELECTRICAL AND MECHANICAL SERVICE PENETRATIONS. PROVIDE MATERIAL SUBMITTAL.
- PROVIDE NEW FINISHES AS PER PROPOSED FLOOR PLAN AND FINISH SCHEDULE. TRADES TO COORDINATE INSTALLATION OF CAULKING ON MATERIAL TRANSITIONS AND ALL LOCATIONS WHERE MATERIAL CHANGES FROM HORIZONTAL TO VERTICAL DIRECTION.
- PROVIDE ADEQUATE SUPPORTS FOR WALL MOUNTED CABINETS.

- SUPPLY AND INSTALL NEW EPOXY COUNTERTOP AND NEW METAL CASE WORK. REFER TO CASH ALLOWANCE-1.
- CAREFULLY REMOVE AND REINSTALL SS UPPERS AND MILWORK CHASES COORDINATION WITH CASH ALLOWANCE-1.
- SUPPLY AND INSTALL NEW AND EXISTING MECHANICAL SERVICES, FIXTURES AND FAUCETS AS INDICATED IN MECHANICAL DRAWINGS. REINSTALL ALL EXISTING SERVICES ON NEW COUNTERTOP AT EXISTING LOCATIONS. REFER TO MECHANICAL DRAWINGS
- SUPPLY AND INSTALL NEW AND EXISTING ELECTRICAL OUTLETS AS INDICATED IN ELECTRICAL DRAWINGS. REINSTALL ALL EXISTING SERVICES ON NEW COUNTERTOP AT EXISTING LOCATIONS.
- PATCH AND MAKE GOOD ALL EXISTING FLOOR, WALL AND CEILING MATERIALS AND FINISHES DESTROYED BY CONSTRUCTION TO MATCH ADJACENT.
- EXISTING WALLS TO BE MADE READY TO RECEIVE NEW FINISHES.
- PROVIDE NEW CONTINUOUS RUBBER BASE WALLS AS INDICATED ON ROOM FINISH SCHEDULE
- ALL METAL CASEWORK AND SHELVING AS PER CASH ALLOWANCE-1 TO BE PURCHASED AND INSTALLED BY CONTRACTOR. CONTRACTOR RESPONSIBLE FOR RECEIVING AT UTSC LOADING DOCK, CARRYING AND INSTALL.
- PROVIDE STRUCTURAL SUPPLY AS REQUIRED AT SINKS AND WALLS FOR ALL FIXTURES AND ACCESSORIES IN COORDINATION WITH MECHANICAL AND ELECTRICAL.
- PROVIDE CONTINUOUS SEALANT AROUND ALL EXISTING AND NEW SERVICES PENETRATIONS. PROVIDE CONTINUOUS SEALANT AT ALL COUNTERTOP SEAMS, VERTICAL AND HORIZONTAL TRANSITIONS. BUTT JOINTS, SURFACE PENETRATIONS, ELECTRICAL AND MECHANICAL SERVICES.

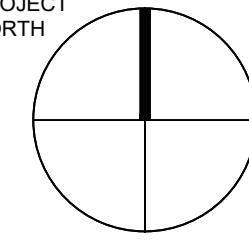
REFLECTED CEILING PLAN DRAWING NOTES:

- SUPPLY AND INSTALL NEW LIGHTING ON UNDERSIDE OF STAINLESS STEEL SHELVING. REFER TO ELECTRICAL DRAWINGS.

CASH ALLOWANCE -1 CASEWORK

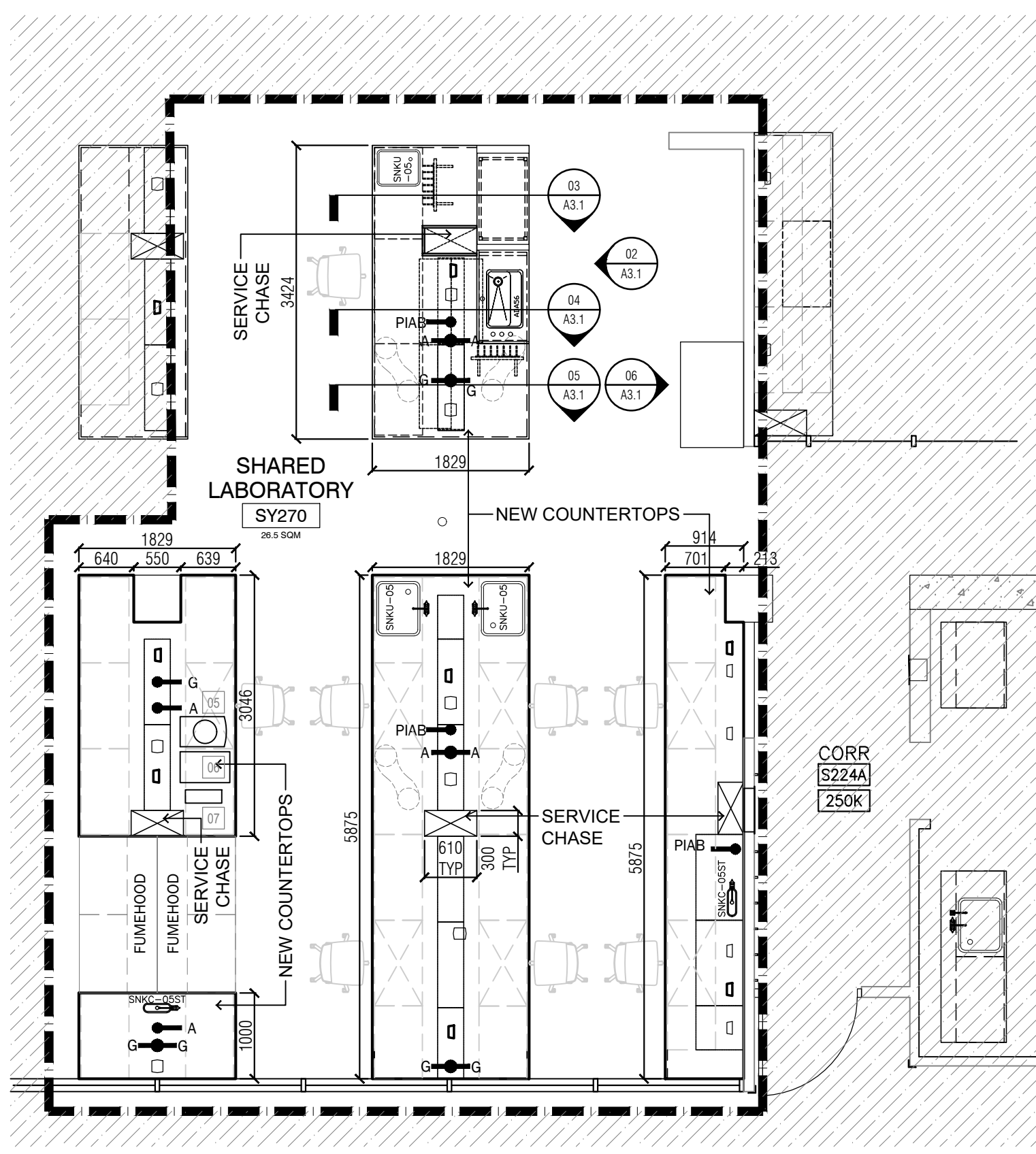
- IT IS REQUESTED FROM THE SUCCESSFUL PROPONENT TO CARRY A CASH ALLOWANCE DETAILED IN SCHEDULE D - PRICE FORM, FOR THE SUPPLY AND INSTALLATION OF METAL CASEWORK, SHELVING AND EPOXY BENCHTOPS IN SY270.

PROJECT  
NORTH

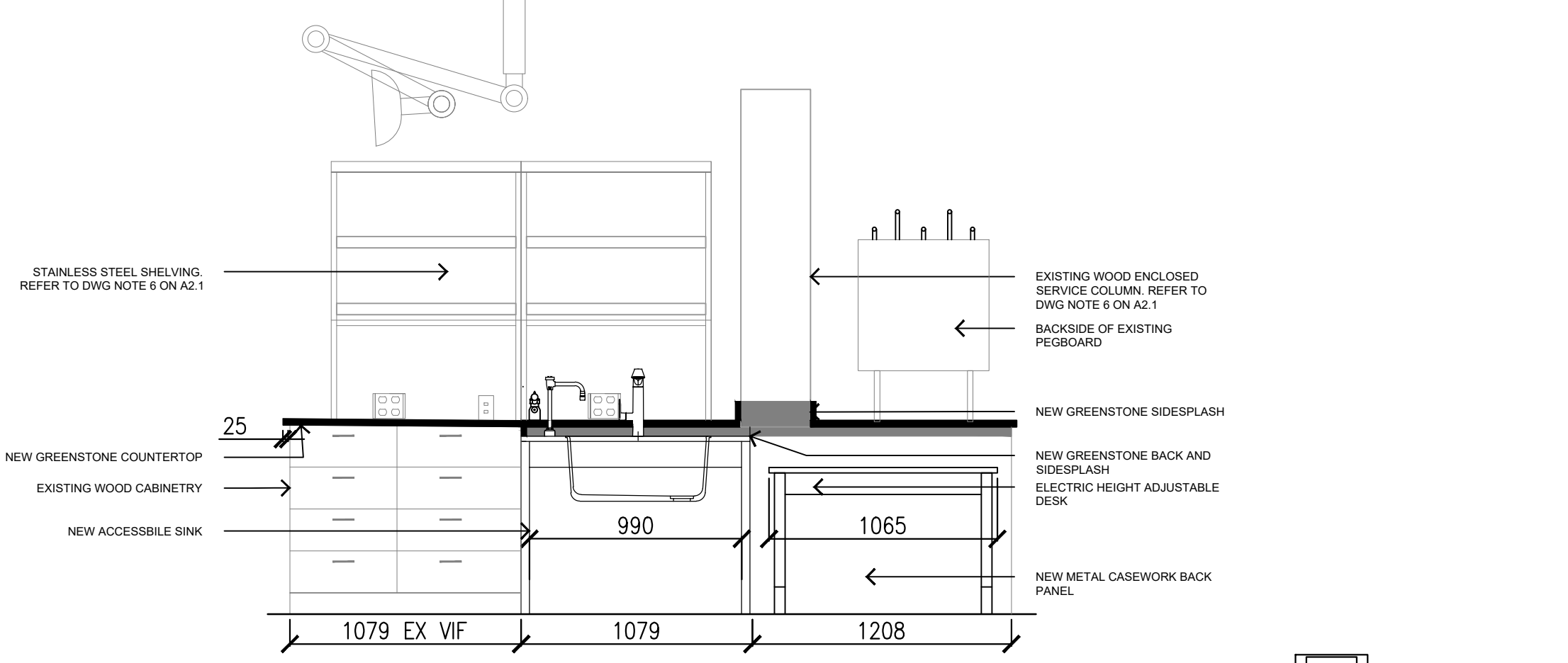


LEGEND:

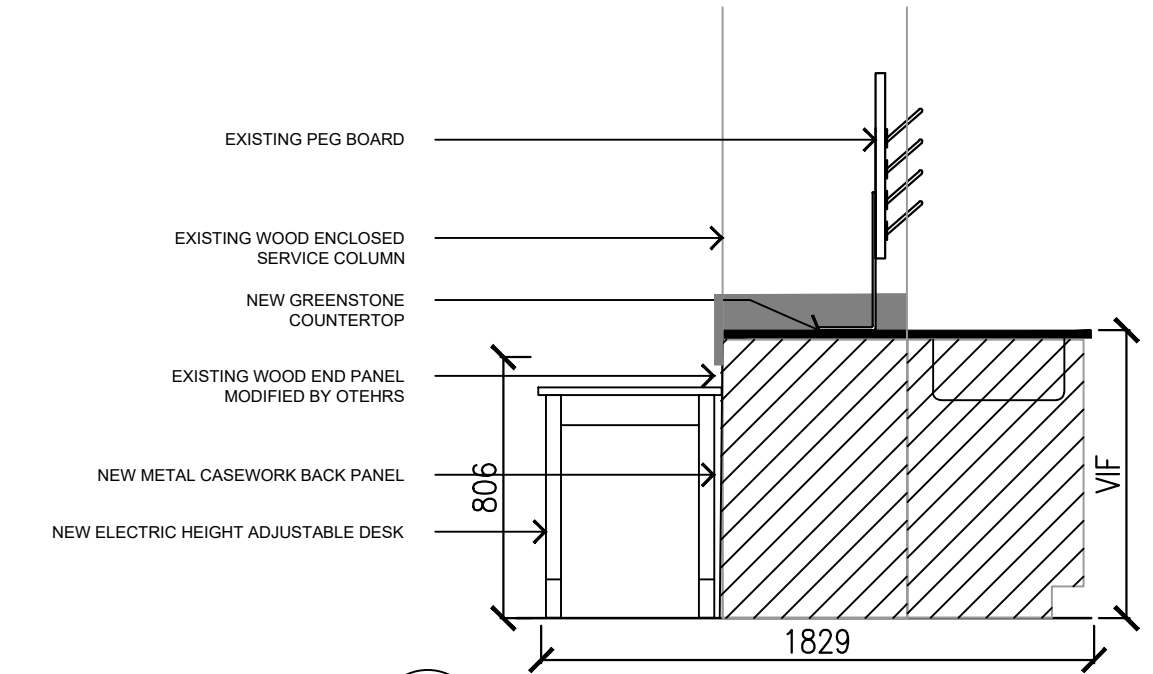
- OUT OF SCOPE
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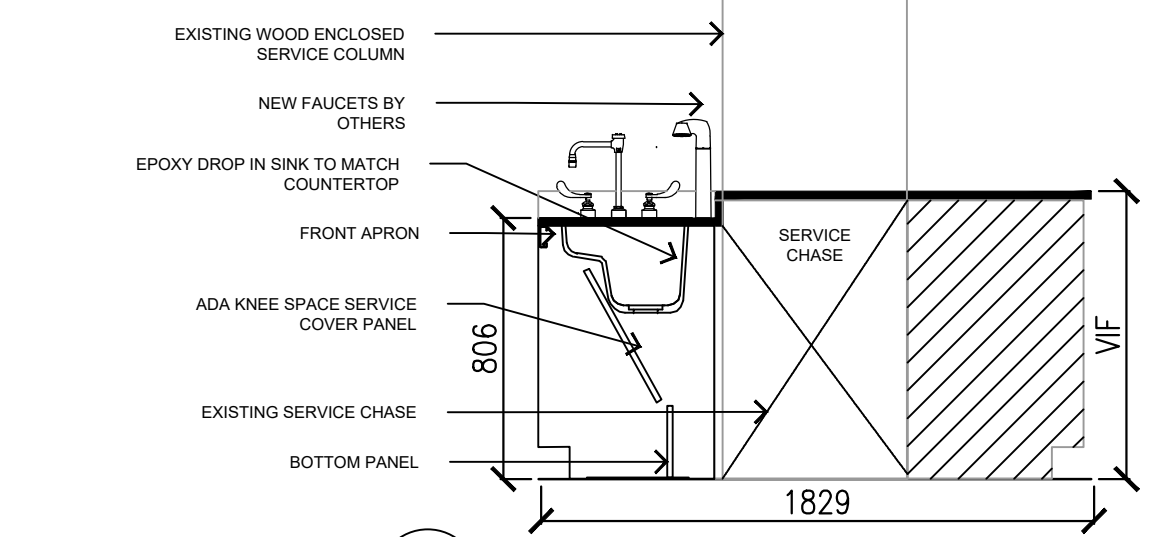
01 **SY270 PARTIAL FLOOR PLAN**  
A3.1 1:60



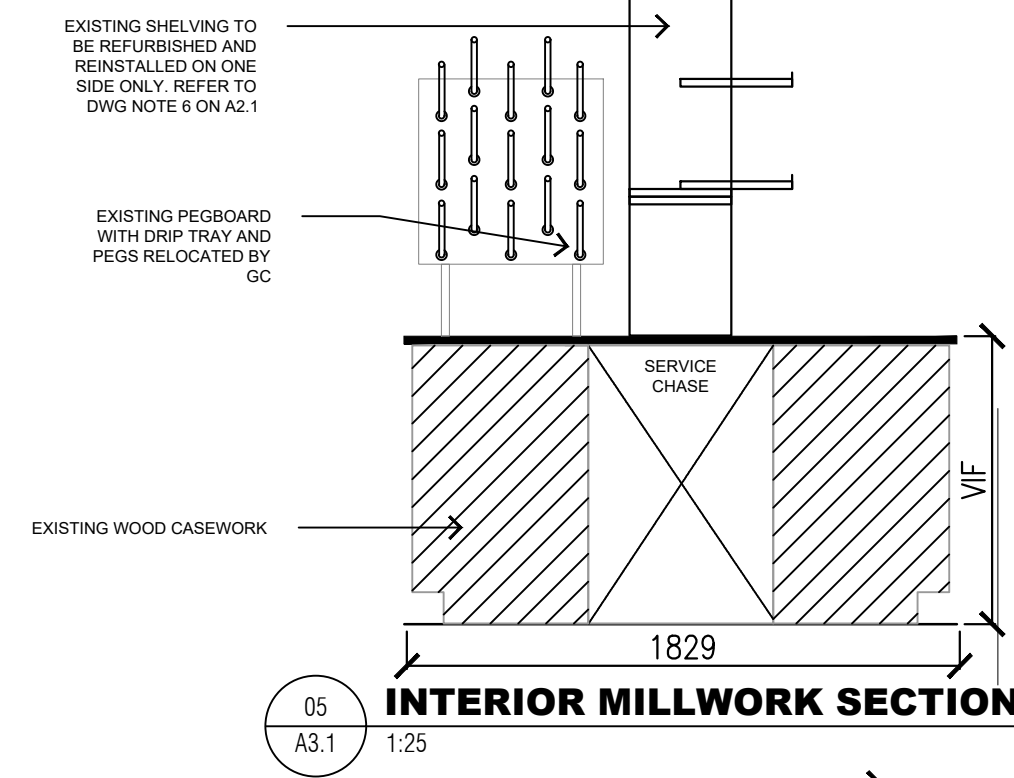
02 **NEW CASEWORK ELEVATION**  
A3.1 1:25



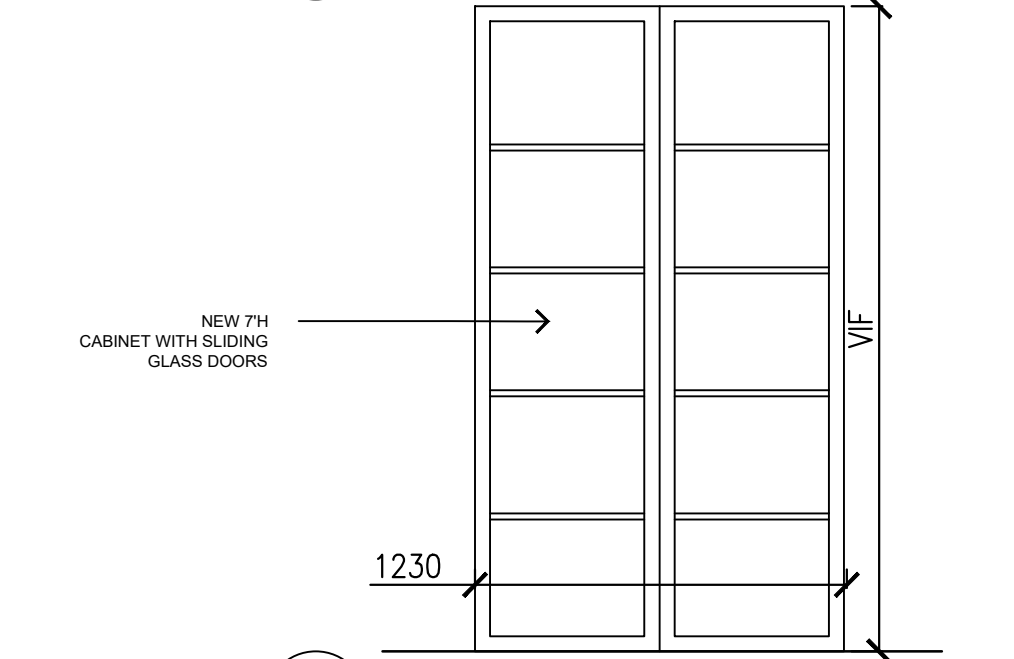
03 **INTERIOR MILLWORK SECTION**  
A3.1 1:25



04 **INTERIOR MILLWORK SECTION**  
A3.1 1:25



05 **INTERIOR MILLWORK SECTION**  
A3.1 1:25



06 **NEW CASEWORK ELEVATION**  
A3.1 1:25

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4. FILL ALL EXISTING HOLES LEFT FROM MECHANICAL AND ELECTRICAL SERVICES REMOVED OR RELOCATED TO MAINTAIN REQUIRED FIRE SEPARATIONS.
5. PATCH AND MAKE GOOD ALL EXISTING FLOOR, WALL AND CEILING MATERIALS AND FINISHES DESTROYED BY CONSTRUCTION TO MATCH EXISTING ADJACENT.
6. CLEAN UP DEBRIS ON A DAILY BASIS AND DISPOSE OF IN AN APPROVED DISPOSAL FACILITY OFFSITE ON A REGULAR BASIS. BUILDING PREMISES ARE TO BE THOROUGHLY CLEANED PRIOR TO TAKEOVER BY THE OWNER.
7. ALL WORK SHALL BE INSTALLED IN A NEAT AND TIDY MANNER.

8. ADEQUATELY PROTECT THE WORK AT ALL STAGES OF CONSTRUCTION AND MAINTAIN THE PROTECTION UNTIL WORK IS COMPLETED. REMOVE AND REPLACE AT NO EXPENSE TO THE OWNER ANY DAMAGED WORK AND MATERIALS THAT CANNOT BE REPAIRED OR RESTORED TO OWNER'S SATISFACTION.
9. CONTRACTOR TO INCLUDE FOR REMOVAL, TEMPORARY STORAGE ON SITE OR HANDING OVER TO OWNER AS DETERMINED BY OWNER AND REINSTALLATION WHERE NOTED OF EXISTING EQUIPMENT, LIGHT FIXTURES, DOORS, HARDWARE, ETC. THAT ARE REQUIRED TO BE REMOVED, RELOCATED AND/OR REINSTALLED TO COMPLETE THE WORKS. ALL REMOVED MATERIALS REQUIRED TO BE REINSTALLED SHALL BE REINSTALLED IN UN DAMAGED CONDITION.
10. EXISTING FURNITURE TO BE RELOCATED & STORED FOR FUTURE USE BY OTHERS (TYP).

**CASH ALLOWANCE-1 COUNTERTOP DRAWING NOTES:**

1. THE UTSC DEMOLITION DRAWINGS ARE TO BE READ WITH THE MECHANICAL, ELECTRICAL DEMOLITION AND CONSTRUCTION DRAWINGS AND SPECIFICATIONS.
2. THE DIMENSIONS SHOWN IN THIS DRAWING ARE FROM EXISTING ELEMENTS, SUCH AS THE FINISHED FACE OF WALLS AND CEILINGS TO THE FACE OF NEW WORK.
3. IN AREAS OF RENOVATION, REMOVE ALL ITEMS THAT HAVE BECOME OBSOLETE OR

DORMANT OR ARE NO LONGER NEEDED OR CONNECTED TO NEW WORK.

4. IN SITUATIONS WHERE THE EXISTING CONFIGURATION DIFFERS FROM THE DRAWINGS, CONSULT WITH THE UTSC PM BEFORE DEMOLITION.
5. EXISTING COUNTERTOPS, FIXTURES AND UPPERS WILL BE REMOVED BY CONTRACTOR PRIOR TO ARRIVAL AND INSTALLATION OF NEW.
6. SUPPLY AND INSTALL GREENSTONE GREY EPOXY COUNTERTOPS 1" THICK WITH SAW CUT DRIP EDGE AND BEVELED EDGING. GREENSTONE GREY 6" EPOXY SIDE AND BACKSPASHES TO BE PROVIDED AT ALL WALLS AND SERVICE CHASES.
7. SUPPLY AND INSTALL NEW METAL CABINETS IN FINISHES TO BE BRIGHT WHITE IN COLOUR WITH 4" STAINLESS STEEL PULLS AND HINGES. REFER TO DETAIL 02 THROUGH 06 ON A3.1
8. COORDINATE ON SITE WITH WORKS TO BE COMPLETED BY CONTRACTOR.
9. SUPPLY AND INSTALL NEW GREENSTONE EPOXY SINKS. THREE[3] SNKU-05, ONE[1] ADA-56 AND TWO[2] SNKC-05ST CUPSINKS.

01	2026-01-25	ISSUED FOR COSTING	TG
02	2026-03-19	ISSUED FOR TENDER	TG

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PROJECT #:  
**DCM2025-20**

PROJECT TITLE:  
**SY LEVEL 2 \_ BIO-SCI LAB  
COUNTERTOPS & CASEWORK  
CASH ALLOWANCE**  
SCIENCE RESEARCH, 1265 MILITARY TRAIL

DRAWN BY:  
TG

DRAWING TITLE:  
**PROPOSED FLOOR PLAN,  
ELEVATION AND MILLWORK  
SECTIONS**

DATE:  
2026-03-19

DRAWING NO:  
**A3.1**

SCALE:  
AS NOTED

# SY LEVEL 2 BIO-SCIENCE LAB INTERIOR RENOVATION

## UNIVERSITY OF TORONTO SCARBOROUGH

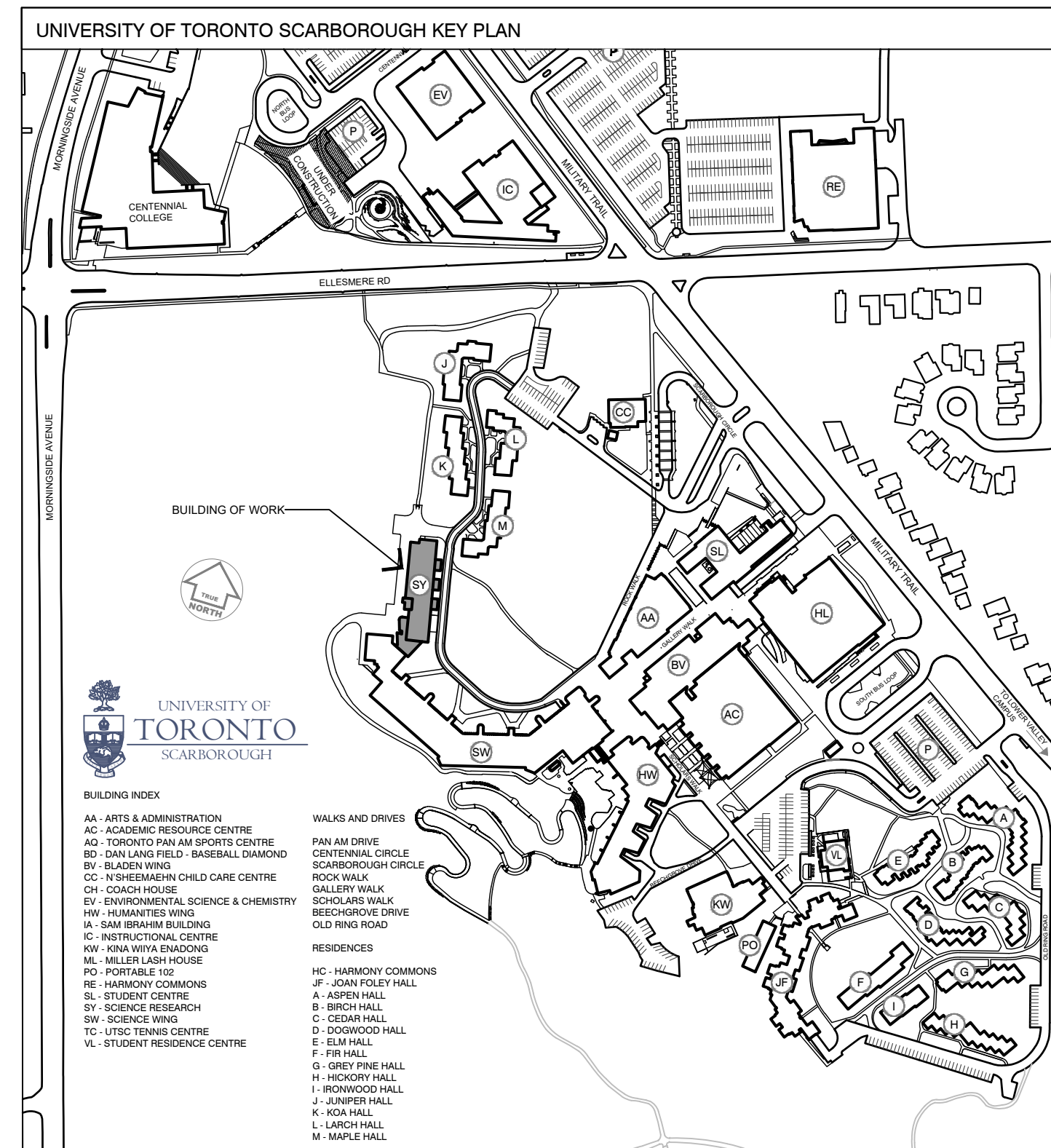
### DRAWING LIST

- M0.1 - DRAWING LIST, KEY PLAN, SYMBOLS AND LEGENDS
- M1.1 - MECHANICAL DEMOLITION PLAN SY270A AND SY270B
- M2.1 - PROPOSED MECHANICAL PLAN SY270A AND SY270B

### LINE TYPE LEGEND

—	EXISTING TO REMAIN
---	HIDDEN
- - - -	TO BE REMOVED

02  
M0.1 N.T.S. **LINE TYPE LEGEND**



PLUMBING LEGEND		HVAC LEGEND		FIRE PROTECTION LEGEND	
	SANITARY WASTE VENT		SUPPLY DUCT UP OR FROM ABOVE		PENDANT SPRINKLER HEAD
	STEAM		SUPPLY DUCT DOWN OR FROM BELOW		CONCEALED PENDANT SPRINKLER HEAD
	TEE		RETURN OR EXHAUST DUCT UP OR FROM ABOVE		SIDEWALL SPRINKLER HEAD
	BRANCH OFF BOTTOM OF MAIN.		RETURN OR EXHAUST DUCT DOWN OR FROM BELOW		CONCEALED SIDEWALL SPRINKLER HEAD
	BRANCH OFF TOP OF MAIN.		REHEAT COIL IN DUCT		SPRINKLER LINE
	PIPE DROP OR FROM BELOW		ELECTRIC REHEAT COIL IN DUCT		
	PIPE UP OR FROM ABOVE		ROUND DUCT UP OR FROM ABOVE		
	CAPPED CONNECTION		ROUND DUCT DOWN OR FROM BELOW		
	COMPLETE WITH		DUAL DUCT TERMINAL UNIT		
	CONTROL VALVE		HOT DUCT		
	GATE VALVE				
	BALL VALVE				
	THERMOSTATIC MIXING VALVE				
	TEMPERED WATER				
	NON POTABLE COLD WATER				
	NON POTABLE HOT WATER				
	CHILLED WATER SUPPLY				
	CHILLED WATER RETURN				
	GLYCOL CHILLED SUPPLY				
	GLYCOL CHILLED RETURN				
	DOMESTIC COLD WATER				
	DOMESTIC HOT WATER				
	NATURAL GAS				
	COMPRESSED AIR				
	REVERSE OSMOSIS				
	LABORATORY WASTE DRAIN				
	UNDERGROUND LAB WASTE DRAIN				

01  
M0.1 N.T.S. **MECHANICAL LEGEND**

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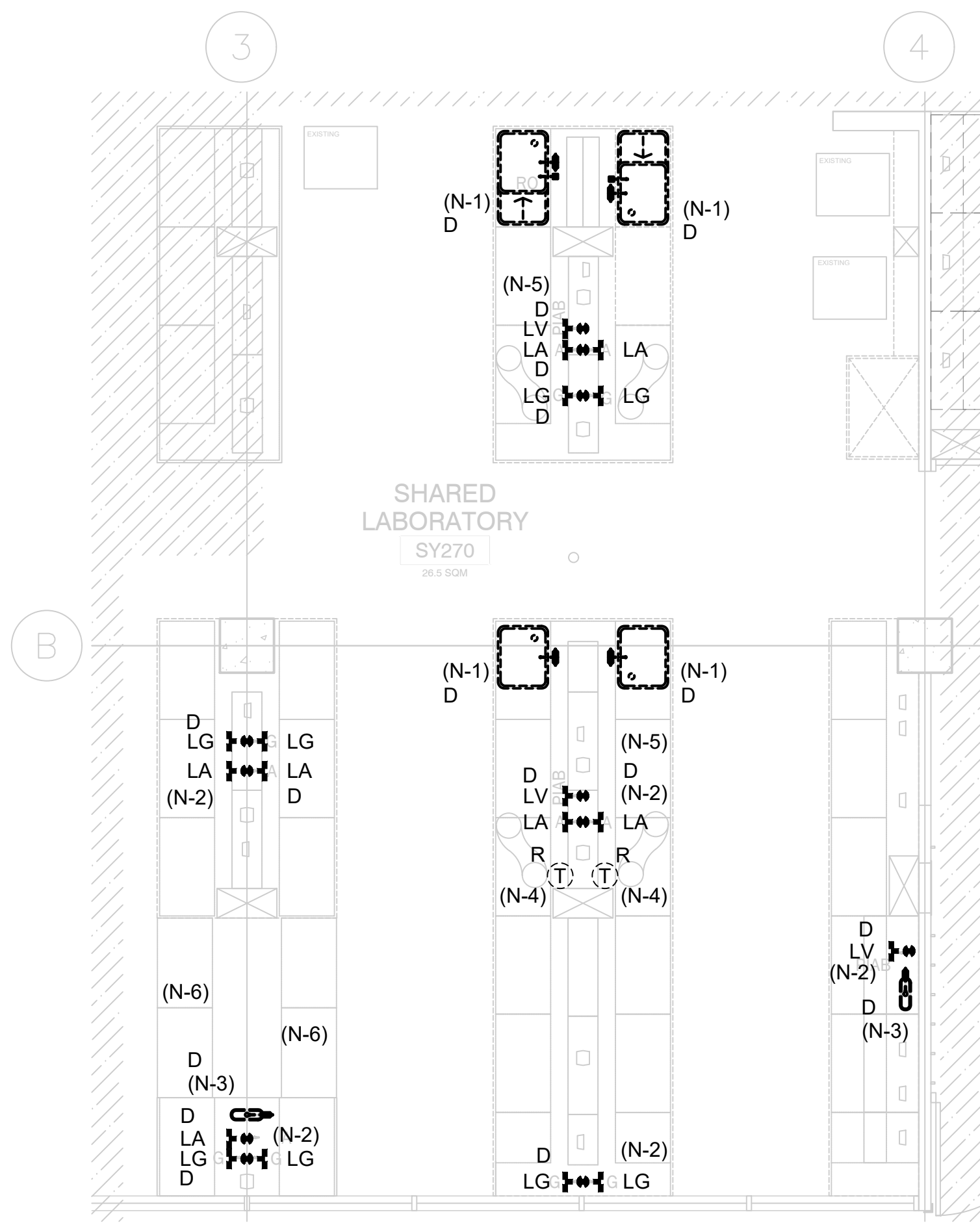
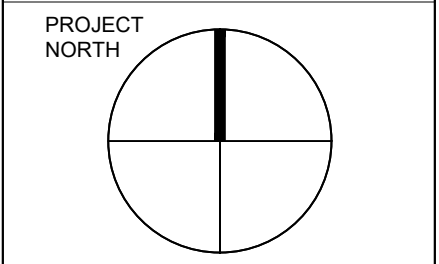
PROJECT #:  
DCM2025-20

PROJECT TITLE:  
SY LEVEL 2 BIO-SCI LAB  
INTERIOR RENOVATION

SCIENCE RESEARCH, 1265 MILITARY TRAIL  
DRAWN BY: CD CHECKED BY: JC

DRAWING TITLE:  
DRAWING LIST, KEY PLAN,  
SYMBOLS AND LEGENDS

DATE: 2026-03-18 DRAWING NO: M0.1  
SCALE: AS NOTED



01 **SY270A & SY270B EXISTING FLOOR PLAN**  
M1.1 1:75

**DRAWING NOTES:**

1. ALL EXISTING MECHANICAL SERVICES ARE SHOWN IN THEIR APPROXIMATE/BEST ESTIMATED LOCATION. EXACT LOCATION AND CONDITION OF THE SERVICES AND EQUIPMENT TO BE VERIFIED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE ACTUAL FIELD CONDITION TO THE UNIVERSITY PRIOR TO THE COMMENCEMENT OF WORK.
2. ALL WORK MUST BE PERFORMED WITH MINIMAL DISTURBANCES TO THE OPERATION OF THE FACILITY. COORDINATE WITH THE UNIVERSITY TO SCHEDULE WORK. CONTRACTOR TO ALLOW FOR AFTER-HOURS WORK AS REQUIRED FOR SHUTDOWNS TO SERVICES.
3. CONTRACTOR TO COORDINATE WITH THE UNIVERSITY AND TAKE INTO CONSIDERATION ANY DESIGNATED SUBSTANCE MATERIAL ABATEMENT REQUIREMENTS PRIOR AND DURING PROJECT CONSTRUCTION.
4. CONTRACTOR TO COORDINATE EXACT LOCATION OF EXISTING DUCTS AND PIPES AND COORDINATE WITH OTHER SERVICES TO AVOID CONFLICT WITH EXISTING MECHANICAL, ELECTRICAL, AND LIFE SAFETY SERVICES (HVAC, PIPING, LIGHTING FIXTURES, PIPE HANGERS, ETC.). INFORM THE UNIVERSITY OF ANY RELOCATION OR DOWNTIME OF EXISTING SERVICES PRIOR TO WORK.
5. ALL EXISTING PLUMBING FIXTURES AND LABORATORY OUTLETS SHALL BE CAREFULLY REMOVED AND STORED IN PREPARATION FOR NEW COUNTERTOPS.

**DEMOLITION NOTES:**

- (N-1) REMOVE EXISTING SINK AND FIXTURES. RO, NPCW, NPHW AND LABW SERVICES TO BE DISCONNECTED AND CAPPED FOR REMOVAL OF COUNTERTOPS. EXISTING SERVICES TO CONNECT TO NEW FIXTURES AS PER PROPOSED LAYOUT M2.1.
- (N-2) EXISTING COMPRESSED AIR, NATURAL GAS OR PIAB EXHAUST SERVICES TO BE DISCONNECTED AND CAPPED FOR REMOVAL OF COUNTERTOPS. EXISTING SERVICES TO CONNECT TO NEW FIXTURES AS PER PROPOSED LAYOUT M2.1 - TYPICAL.
- (N-3) EXISTING CUP SINK, NPCW AND LABW SERVICES TO BE DISCONNECTED AND CAPPED FOR REMOVAL OF COUNTERTOPS. EXISTING SERVICES TO CONNECT TO NEW FIXTURES AS PER PROPOSED LAYOUT M2.1
- (N-4) EXISTING EXISTING DIGITAL THERMOSTAT TO BE TEMPORARILY RELOCATED TO ALLOW FOR PROPOSED SHELVING. THERMOSTAT TO BE REINSTALLED AS PER PROPOSED LAYOUT M2.1.
- (N-5) EXISTING PIAB AND ASSOCIATED EXHAUST SERVICES TO BE DISCONNECTED AND CAPPED FOR REMOVAL OF COUNTERTOPS. PIABS TO BE REINSTALLED AS PER PROPOSED LAYOUT M2.1 - TYPICAL.
- (N-6) REMOVE EXISTING NPCW GOOSENECK FAUCET LOCATED WITHIN FUME HOOD. REPLACE FIXTURE AS PER PROPOSED LAYOUT M2.1.

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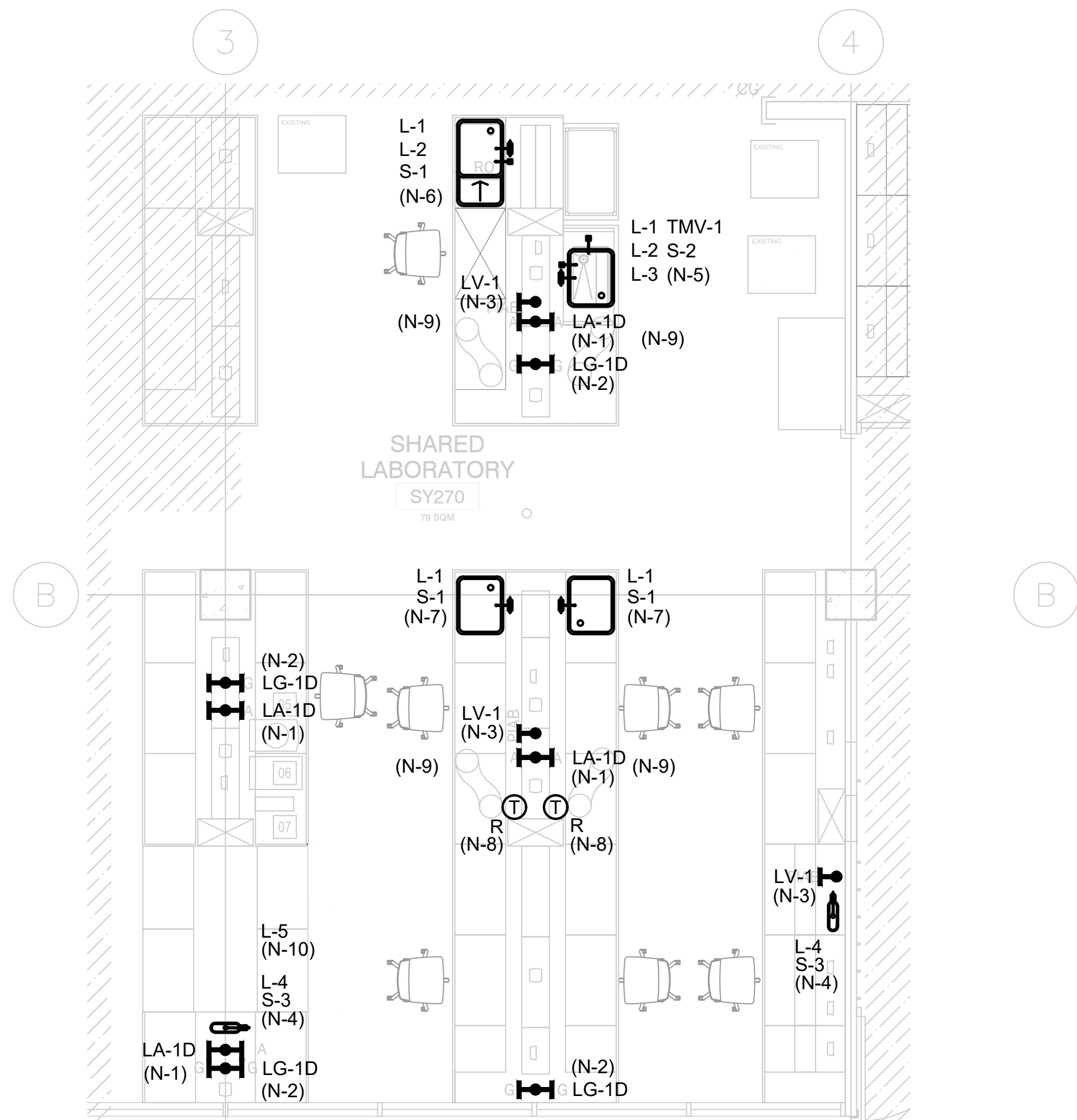
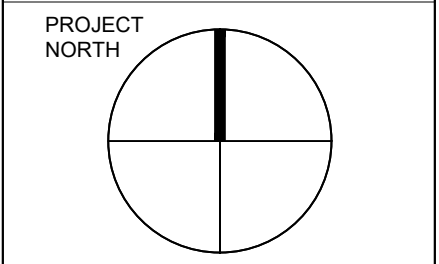
PROJECT #:  
**DCM2025-20**

PROJECT TITLE:  
**SY LEVEL 2 BIO-SCI LAB  
INTERIOR RENOVATION**

SCIENCE RESEARCH, 1265 MILITARY TRAIL  
DRAWN BY: CD CHECKED BY: JC

DRAWING TITLE:  
**MECHANICAL DEMOLITION  
PLAN SY270A & SY270B**

DATE: 2026-03-18 DRAWING NO: M1.1  
SCALE: AS NOTED



01 **SY270A & SY270B PROPOSED FLOOR PLAN**  
M2.1 1:75

**DRAWING NOTES:**

- ALL EXISTING MECHANICAL SERVICES ARE SHOWN IN THEIR APPROXIMATE/BEST ESTIMATED LOCATION. EXACT LOCATION AND CONDITION OF THE SERVICES AND EQUIPMENT TO BE VERIFIED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE ACTUAL FIELD CONDITION TO THE UNIVERSITY PRIOR TO THE COMMENCEMENT OF WORK.
- ALL WORK MUST BE PERFORMED WITH MINIMAL DISTURBANCES TO THE OPERATION OF THE FACILITY. COORDINATE WITH THE UNIVERSITY TO SCHEDULE WORK. CONTRACTOR TO ALLOW FOR AFTER-HOURS WORK AS REQUIRED FOR SHUTDOWNS TO SERVICES.
- CONTRACTOR TO COORDINATE WITH THE UNIVERSITY AND TAKE INTO CONSIDERATION ANY DESIGNATED SUBSTANCE MATERIAL ABATEMENT REQUIREMENTS PRIOR AND DURING PROJECT CONSTRUCTION.
- CONTRACTOR TO COORDINATE EXACT LOCATION OF EXISTING DUCTS AND PIPES AND COORDINATE WITH OTHER SERVICES TO AVOID CONFLICT WITH EXISTING MECHANICAL, ELECTRICAL, AND LIFE SAFETY SERVICES (HYAC, PIPING, LIGHTING FIXTURES, PIPE HANGERS, ETC.). INFORM THE UNIVERSITY OF ANY RELOCATION OR DOWNTIME OF EXISTING SERVICES PRIOR TO WORK.
- PROVIDE INSULATION AND JACKETING ON ALL PROPOSED HOT AND COLD WATER SERVICES.
- ALL PROPOSED SERVICES TO BE LABELLED. ALL PROPOSED GAS SERVICES TO BE PAINTED YELLOW.
- ALL PROPOSED CORES ARE TO BE COMPLETE WITH FIRE STOPPING. 3M PLASTIC PIPE DEVICE OR 3M WATER TIGHT FIRE BARRIER SEALANT.
- SYSTEM PRESSURES AS FOLLOWS:  
GAS: 5-9" W.C.  
COMPRESSED AIR: 90 PSI
- CONTRACTOR TO ALLOW FOR PIPE FREEZING IF SHUT OFF VALVES CANNOT BE LOCATED TO ISOLATE AND MAKE FINAL TIE-IN. ALTERNATIVELY, IF SYSTEM IS TO BE SHUT DOWN, CONTRACTOR SHALL ALLOW FOR AFTER-HOURS TO DRAIN SYSTEM (IF REQUIRED) AND TO MAKE FINAL TIE-IN.

**NEW WORK NOTES:**

- (N-1) INSTALL NEW COMPRESSED AIR VALVE TO EXISTING PIPING. CONTRACTOR TO ALLOW FOR EXTENSION OF SERVICE TO NEW COUNTERTOP ELEVATION.
- (N-2) INSTALL NEW NATURAL GAS VALVE TO EXISTING PIPING. CONTRACTOR TO ALLOW FOR EXTENSION OF SERVICE TO NEW COUNTERTOP ELEVATION.
- (N-3) INSTALL NEW PIAB VALVE AND EXHAUST TO EXISTING PIPING. CONTRACTOR TO ALLOW FOR EXTENSION OF SERVICE TO NEW COUNTERTOP ELEVATION.
- (N-4) PROVIDE CONNECTION TO NEW CUP SINK AND NPCW FIXTURE AND CONNECT TO EXISTING SERVICES. CONTRACTOR TO ALLOW FOR EXTENSION OF SERVICE TO NEW COUNTERTOP ELEVATION.
- (N-5) PROVIDE CONNECTION TO NEW SINK AND FIXTURES FOR NEW COUNTERTOP. CONNECT TO EXISTING NPHW, NPCW, RO AND LABW SERVICES LOCATED WITHIN MILLWORK. RE-WORK LABW PIPING AS REQUIRED FOR NEW SINK STRAINER, NPCW, CPHW AND RO LOCATION.
- (N-6) PROVIDE CONNECTION TO NEW SINK AND FIXTURES FOR NEW COUNTERTOP. CONNECT TO EXISTING NPHW, NPCW, RO AND LABW SERVICES LOCATED WITHIN MILLWORK. RE-WORK LABW PIPING AS REQUIRED FOR NEW SINK STRAINER LOCATION.
- (N-7) PROVIDE CONNECTION TO NEW SINK AND FIXTURES FOR NEW COUNTERTOP. CONNECT TO EXISTING NPHW, NPCW AND LABW SERVICES LOCATED WITHIN MILLWORK. RE-WORK LABW PIPING AS REQUIRED FOR SINK NEW STRAINER LOCATION.
- (N-8) REINSTATE EXISTING DIGITAL THERMOSTAT. FINAL LOCATION TO BE COORDINATED ON SITE.
- (N-9) CONTRACTOR TO MOVE AND FIX EXHAUST SNORKEL AT HIGH LEVEL CLEAR OF WORKING SURFACE AND SHELVING - TYPICAL.
- (N-10) INSTALL NEW FUME HOOD GOOSENECK FAUCET TO EXISTING PIPING.

PLUMBING FIXTURE SCHEDULE			
REF. #	MANUFACTURER	MODEL	TYPE
L-1	WATERSAVER	L2224VB-B0140S-W	VACUUM BREAKER LAB FAUCET (NPHW & NPCW) C/W SERRATED NOZZLE
L-2	WATERSAVER	L691VB-BH	FAUCET (RO)
L-3	WATERSAVER	LS100	SENSOR ACTIVATED HAND FAUCET (NPHW & NPCW)
L-4	WATERSAVER	L691VB-BH	FAUCET (NPCW) CUPSINK
L-5	WATERSAVER	L074VB-WSA	GREEN, PANEL MOUNTED, 6" RIGID/SWING, VACUUM BREAKER, GOOSENECK
S-1	DURCON	U-05C	DROP IN EPOXY SINK PROVIDED BY COUNTERTOP SUPPLIER
S-2	DURCON	A56-ADA	ADA COMPLIANT DROP IN EPOXY SINK PROVIDED BY COUNTERTOP SUPPLIER
S-3	DURCON	TS-04	EPOXY RESIN CUPSINK BY COUNTERTOP SUPPLIER
TMV-1	LAWLER	TMM-1070	SENSOR FAUCET MIXING VALVE
LA-1D	WATERSAVER	L4200-132SWSA	DECK MOUNTED LABORATORY AIR VALVE, DOUBLE OUTLET
LG-1D	WATERSAVER	L4200-132SWSA	DECK MOUNTED LABORATORY GAS VALVE, DOUBLE OUTLET
LV-1	WATERSAVER	L2873-131WSA	DECK MOUNTED LABORATORY VACUUM VALVE C/W QUICK CONNECT FITTING

NOTES: (1) MECHANICAL CONTRACTOR TO SUPPLY AND INSTALL FIXTURES AND FITTINGS AS PER ATTACHED UNIVERSITY AND MANUFACTURER SPECIFICATION UNLESS STATED OTHERWISE.  
(2) REFER TO FLOOR PLANS AND PROVIDE FOR THE QUANTITY SHOWN.

02 **PLUMBING FIXTURE SCHEDULE**  
M2.1 N.T.S.

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PROJECT #:  
DCM2025-20

PROJECT TITLE:  
SY LEVEL 2 BIO-SCI LAB  
INTERIOR RENOVATION

SCIENCE RESEARCH, 1265 MILITARY TRAIL  
DRAWN BY: CD CHECKED BY: JC

DRAWING TITLE:  
PROPOSED MECHANICAL PLAN  
SY270A & SY270B

DATE: 2026-03-18 DRAWING NO: M2.1  
SCALE: AS NOTED

# SY LEVEL 2 BIO-SCIENCE LAB INTERIOR RENOVATION

UNIVERSITY OF TORONTO SCARBOROUGH

FIRE ALARM LEGEND	
<b>ALARM INITIATING DEVICES</b>	
	CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR.
	WALL MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR.
	DUCT TYPE PHOTO-ELECTRIC SMOKE DETECTOR.
	COMBINATION CARBON DIOXIDE, CARBON MONOXIDE, AND SMOKE DETECTOR
	BEAM DETECTOR TRANSMITTER.
	BEAM DETECTOR RECEIVER.
	MANUAL PULL STATION
	DOUBLE THROW FIRE ALARM PULLSTATION
	CEILING MOUNTED RATE-OF-RISE HEAT DETECTOR.
	CEILING MOUNTED FIXED TEMPERATURE HEAT DETECTOR.
<b>SUPERVISORY INITIATING DEVICES</b>	
	SUPERVISORY LOW PRESSURE SWITCH, TAMPER SWITCH TO ANNUNCIATE TROUBLE WITH OUT EFFECTING THE INTEGRITY OF THE SUPERVISORY SWITCH.
	SPRINKLER SUPERVISED VALVE, TAMPER SWITCH TO ANNUNCIATE TROUBLE WITH OUT EFFECTING THE INTEGRITY OF THE SUPERVISORY SWITCH.
	INDICATES SMOKE DAMPER, TO BE USED IN CONJUNCTION WITH THE MONITORING DEVICE FOR POSITION ANNUNCIATION AND CONTROL DEVICE.
<b>ANCILLARY DEVICES</b>	
	WALL MOUNTED DOOR HOLDER
	FLOOR MOUNTED DOOR HOLDER
	'FIRE' DO NOT ENTER SIGN
	VIDEO DISPLAY TERMINAL
	MAIN FIRE ALARM CONTROL PANEL.
	FIRE ALARM ANNUNCIATOR PANEL.
	END OF LINE DEVICE.
<b>SIGNALING DEVICES</b>	
	WALL MOUNTED BELL (4", 6", OR 10") USE 4" UNLESS INDICATED OTHERWISE
	WALL MOUNTED HORN, CENTRE TAP SET ON SITE TO MEET OBC 2006
	WALL MOUNTED SPEAKER, CENTRE TAP SET ON SITE TO MEET OBC 2006
	CEILING MOUNTED SPEAKER, CENTRE TAP SET ON SITE TO MEET OBC 2006
	CEILING MOUNTED STROBE LIGHT, CANDELA VALUE SPECIFIED CAN/ULC-S526-06
	WALL MOUNTED STROBE LIGHT, CANDELA VALUE SPECIFIED CAN/ULC-S526-06
	WALL MOUNTED HORN/STROBE, CENTRE TAP SET ON SITE TO MEET OBC 2006
	WALL MOUNTED SPEAKER/STROBE, CENTRE TAP SET ON SITE TO MEET OBC 2006
	CEILING MOUNTED SPEAKER/STROBE, CENTRE TAP SET ON SITE TO MEET OBC 2006
NOTE: NOT ALL SYMBOLS APPLY. CONTRACTOR TO REFER TO FLOOR PLANS.	

LIGHTING LEGEND	
	EXISTING CEILING MOUNTED LUMINAIRE TO REMAIN
	NEW CEILING MOUNTED LUMINAIRE OR IN RELOCATED POSITION
	EMERGENCY CEILING MOUNTED LUMINAIRE ON EMERGENCY POWER
	EXISTING CEILING MOUNTED LUMINAIRE TO BE REMOVED
	NEW WALL MOUNTED LUMINAIRE
	TRACK LIGHT C/W NUMBER OF FIXTURES AND/OR PENDANTS AS SHOWN
	CEILING MOUNTED LUMINAIRE
	WALL SCONCE
	LIGHT STANDARD - NUMBER OF HEADS AS SHOWN
	SINGLE POLE 120V LIGHT SWITCH
	GANGED LIGHT SWITCHES UNDER A SINGLE COVERPLATE
	3 WAY OR 4 WAY LINE VOLTAGE LIGHT SWITCH AS SHOWN
	LOW VOLTAGE LIGHT SWITCH
	LOW VOLTAGE KEYED LIGHT SWITCH
	DIMMER TYPE TO SUIT LOAD
	CEILING MOUNTED OCCUPANCY SENSOR
	WALL SWITCH OCCUPANCY SENSOR (WALL MOUNTED) 'X'=IR(INFRARED),US(ULTRA SONIC),DT(DUAL TECHNOLOGY)
	WALL MOUNTED EMERGENCY SINGLE OR DOUBLE HEAD AS SHOWN
	CEILING MOUNTED EMERGENCY SINGLE OR DOUBLE HEAD AS SHOWN
	RECESSED CEILING MOUNTED REMOTE SINGLE HEAD EMERGENCY LIGHT.
	EMERGENCY LIGHTING BATTERY UNIT
	EMERGENCY LIGHTING BATTERY UNIT C/W NUMBER OF HEADS SHOWN
	EXIT LIGHT CEILING MOUNTED C/W FACES AND ARROWS AS INDICATED
	EXIT LIGHT WALL MOUNTED C/W FACES AND ARROWS AS INDICATED
FIXTURE SCHEDULE	
A	DIO-S-W-4FT C/W ALL ACCESSORIES AND DIMMABLE DRIVER
NOTE: NOT ALL SYMBOLS APPLY. CONTRACTOR TO REFER TO FLOOR PLANS.	

POWER LEGEND	
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED QUAD RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 20 AMP CSA 5-20R
	FLUSH SURFACE MOUNTED QUAD RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R
	CEILING MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	FLOOR MOUNTED DUPLEX RECEPTACLE 120V, 15 AMP, CSA 5-15R
	WALL MOUNTED DUPLEX GROUND FAULT RECEPTACLE 120 VOLT, 15 AMP CSA 5-15R
	WALL MOUNTED DUPLEX GROUND FAULT RECEPTACLE 120 VOLT, 20 AMP CSA 5-20R
	FLOOR MOUNTED COMBINATION POWER/COMMUNICATION RECEPTACLE
	FLOOR POKE THROUGH COMBINATION POWER/COMMUNICATION RECEPTACLE
	ELECTRICAL RACEWAY C/W NUMBER OF RECEPTACLES AS SHOWN
	FLUSH SURFACE MOUNTED SINGLE RECEPTACLE, TYPE AS SPECIFIED
	FLUSH MOUNTED SINGLE TUB PANEL(RATING AS NOTED ON PANEL SCHEDULE)
	SURFACE MOUNTED SINGLE TUB PANEL(RATING AS NOTED ON PANEL SCHEDULE)
	METERING CABINET, 1200x1200x300mm
	SINGLE PHASE DIRECT CONNECTION
	SINGLE PHASE DIRECT CONNECTION C/W DISCONNECT
	THREE PHASE DIRECT CONNECTION
	THREE PHASE DIRECT CONNECTION C/W DISCONNECT
	DISCONNECT
	COMBINATION MANUAL STARTER WITH INTERGAL DISCONNECT
	COMBINATION STARTER WITH INTEGRAL DISCONNECT
	TRANSFORMER (SIZE NOTED ON DRAWING)
	GROUND BAR
	JUNCTION BOX (SIZE SPECIFIED ON DRAWING)
	CLOCK WALL MOUNTED
	PUSH BUTTON
	AUTOMATIC DOOR OPENER
	USB OUTLET
	FURNITURE FEED COMBINATION POWER/COMMUNICATION. LETTERS DENOTE FEED LOCATION, C: CEILING, W: WALL, F: FLOOR
	DENOTES: 'E' EXISTING TO REMAIN 'RR' REMOVE AND RELOCATE 'R' REMOVE 'WP' WEATHER PROOF
NOTE: NOT ALL SYMBOLS APPLY. CONTRACTOR TO REFER TO FLOOR PLANS.	

SECURITY LEGEND	
	MAGNETIC LOCK
	ELECTRIC STRIKE
	DOOR ALARM CONTACT
	CARD READER
	INTERCOM
	REQUEST TO EXIT MOTION
	MOTION SENSOR
	WALL MOUNTED SECURITY MOTION SENSOR
	CEILING MOUNTED SECURITY 360° MOTION SENSOR
	'PTZ' - Pan Tilt Zoom 'CCTV' - Closed Circuit TV DENOTES: 'IPCAM' - Network Cam
	BREAK GLASS SENSOR CEILING
	BREAK GLASS SENSOR WALL
	PANIC BUTTON, TO BE FIXED WITHIN MILLWORK
	SECURITY KEY PAD
	CODE BLUE - AREA OF ASSISTANCE PANEL
	SUITE SECURITY PANEL
	ELECTRIC LOCKSET 'TYPICAL' AS PER DOOR SCHEDULE
	ELECTRIC STRIKE 'TYPICAL' AS PER DOOR SCHEDULE
COMMUNICATIONS LEGEND	
	WALL MOUNTED DATA NETWORKING OUTLET
	FLOOR MOUNTED DATA NETWORKING OUTLET
	CEILING MOUNTED DATA NETWORKING OUTLET
	WALL MOUNTED VOICE OUTLET
	FLOOR MOUNTED VOICE OUTLET
	CEILING MOUNTED VOICE OUTLET
	WALL MOUNTED DATA & VOICE OUTLET
	ONE WIREMOLD MOUNTED COMMUNICATIONS OUTLET, CABLE TYPE AS PER SPECIFICATION.
	VGA CABLE OUTLET
	COAXIAL CATV OUTLET
	HDMI CABLE OUTLET
	NETWORK SWITCH BY 'OWNER'
	WIRELESS ACCESS POINT (PROVIDE TWO DATA DROPS IN CEILING SPACE)
	PULL BOX (SIZE SPECIFIED ON DRAWING)
	MAIN CABLE SUPPORT ROUTE FOR COMMUNICATIONS CABLING
	CABLE TRAY
NOTE: NOT ALL SYMBOLS APPLY. CONTRACTOR TO REFER TO FLOOR PLANS.	

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PROJECT #:  
DCM2025-20

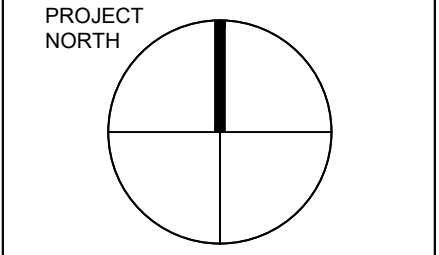
PROJECT TITLE:  
SY LEVEL 2 BIO-SCI LAB  
INTERIOR RENOVATION

SCIENCE RESEARCH, 1265 MILITARY TRAIL  
DRAWN BY: SE CHECKED BY: HY

DRAWING TITLE:  
ELECTRICAL LEGEND

DATE: 2026-04-02  
SCALE: AS NOTED  
DRAWING NO: E0.1





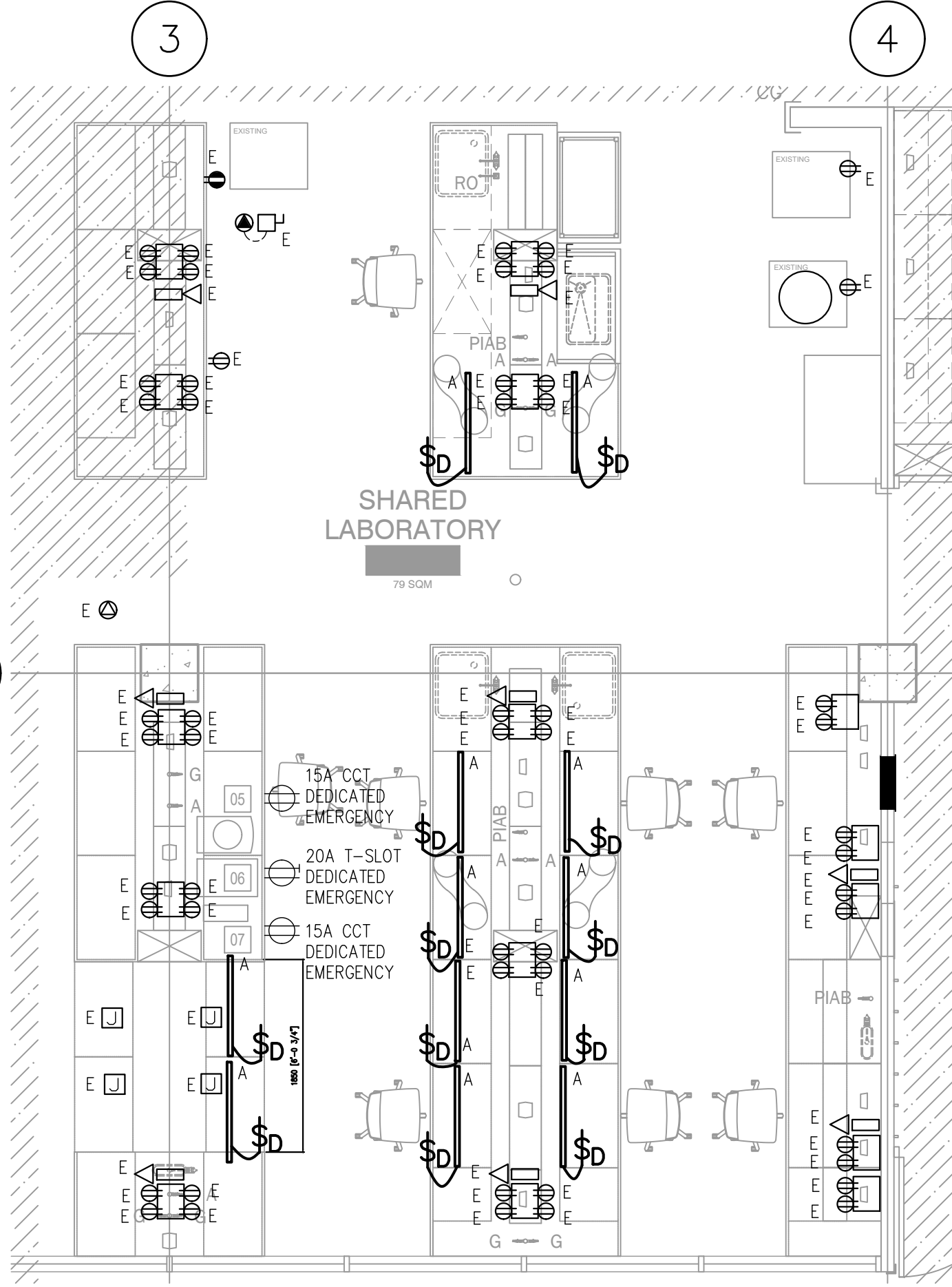
GENERAL NOTES:

- FOLLOW ALL HEALTH AND SAFETY PROCEDURES AS MANDATED BY UNIVERSITY OF TORONTO EHS DEPARTMENT WHILE WORKING ON SITE (I.E. CONFINED SPACES, FALL PROTECTION, PORTABLE LADDERS, ETC) REFER TO <http://www.ets.utoronto.ca/resources/mainindex.htm> FOR ADDITIONAL INFORMATION.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, HEIGHTS, CONSTRUCTION DETAILS, FINISHES AND COLOURS.
- SUPPLY AND INSTALL NEW LED LIGHTS COMPLETE WITH CABLE MOUNTING KITS AS PER UTSC SPECIFICATIONS AND ATTACHED LIGHTING LEGEND WHERE INDICATED.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR LIGHT LOCATIONS IN REFERENCE TO THE PROPOSED DUCTING AS SHOWN ON MECHANICAL DRAWINGS.
- ELECTRICAL CONTRACTOR TO USE CIRCUITS FROM LIGHTING PANEL FOR ALL LIGHTING FIXTURES ON NORMAL POWER. ELECTRICAL CONTRACTOR TO USE CIRCUITS FROM EMERGENCY PANEL FOR ALL LIGHTING FIXTURES ON EMERGENCY POWER.
- NEW EXIT SIGNS TO BE EDGELIT PICTOGRAM RUNNING MAN EXIT SIGNS AND TO BE CONNECTED TO THE NEAREST AVAILABLE SPARE EXIT LIGHTING CIRCUIT. DO NOT OVERLOAD CIRCUIT.
- ALL EMERGENCY LOADS TO BE FED FROM EMERGENCY PANEL, AND ALL NORMAL LOADS TO BE FED FROM NORMAL PANEL.
- ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT AND LIGHTING WITHIN BASE BUILDING ROOMS, STAIRWELLS AND AREAS DEEMED NOT IN SCOPE SHALL REMAIN LIVE AND OPERATIONAL. ELECTRICAL CONTRACTOR TO ENSURE SERVICES TO THESE AREAS ARE ISOLATED AND PROTECTED DURING THE COURSE OF DEMOLITION AND CONSTRUCTION.
- ELECTRICAL CONTRACTOR SHALL MAINTAIN AND RELOCATE EXISTING SERVICES WHICH PASS THROUGH THE AREA OF RENOVATION OR DEMOLITION, BUT FEEDS ITEMS LOCATED OUTSIDE OF THESE AREAS. REWIRE DEVICES TO ORIGINAL CIRCUITS.
- PROVIDE JUNCTION BOXES, OUTLET BOXES, WIRING, PLATES AND OTHER ITEMS NECESSARY FOR COMPLETE RELOCATION OF DEVICES, FIXTURES AND EQUIPMENT.
- CONNECTIONS TO EXISTING SYSTEMS TO BE MADE AT APPROVED TIMES. OBTAIN WRITTEN APPROVAL RECORDING TIMES WHEN CONNECTIONS CAN BE MADE. ARRANGE WORK SO THAT PHYSICAL ACCESS TO EXISTING BUILDINGS IS NOT UNDULY INTERRUPTED. REQUEST FOR SHUT-DOWNS TO BE SUBMITTED IN WRITING BY THE CONTRACTOR WITH A MINIMUM OF TWO-WEEK NOTICE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED TO EXISTING SYSTEMS WHEN MAKING CONNECTIONS.
- ALL ELECTRICAL CONDUITS THROUGH WALLS MUST BE COMPLETELY SEALED TO ELIMINATE THEIR POTENTIAL USE AS ROUTES FOR VERMIN OR AEROSOLS.
- MAXIMUM 6 RECEPTACLES PER CIRCUIT FOR GENERAL USE RECEPTACLES, AND MAXIMUM 4 RECEPTACLES PER CIRCUIT FOR COMPUTER WORK STATION RECEPTACLES. EXACT LOCATION OF ALL NEW AND RELOCATED RECEPTACLES TO BE CONFIRMED ON SITE WITH ARCHITECT.
- ALL RECEPTACLES IN OTHER AREAS WHERE THEY MAY BE EXPOSED TO WATER MUST BE GROUND FAULT PROTECTED (GFCI) AND HAVE A WHILE-IN-USE ALL-WEATHER COVER. THIS INCLUDES ALL EXISTING RECEPTACLES WITHIN 2 METERS OF SINKS.
- COORDINATE ELECTRICAL CONNECTION REQUIREMENTS FOR THE EQUIPMENT ON SITE WITH SHOP DRAWINGS, PRIOR TO INSTALLATION.
- THE POWER FOR SPECIALIZED EQUIPMENT MUST BE SIZED AND INSTALLED ACCORDING TO THE RECOMMENDATIONS OF THE MANUFACTURERS OF THE EQUIPMENT. VERIFY THE EXACT POWER REQUIREMENTS AND RECEPTACLE TYPES FOR SPECIAL EQUIPMENT WITH MANUFACTURER PRIOR TO INSTALLATION.
- COORDINATE FINAL ELECTRICAL CONNECTION REQUIREMENTS FOR THE EQUIPMENT ON SITE, WITH SHOP DRAWINGS, PRIOR TO INSTALLATION. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW FOR ALL ELECTRICAL COMPONENTS.
- ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL SUITABLE LABELS ON ALL RECEPTACLES. LABELS TO INCLUDE BOTH PANEL AND CIRCUIT DESIGNATION.
- ELECTRICAL CONTRACTOR TO REVISE AND UPDATE PANELBOARD SCHEDULES AFFECTED BY WORK.
- WHERE CONDUITS PASS THROUGH FIRE RATED WALLS OR FLOOR, PROVIDE LISTED FIRE STOPPING MATERIAL WHICH BEARS LABEL OF CSA AND ULC AND MAINTAIN SAME FIRE RATING AS THAT OF THE PENETRATED BUILDING COMPONENT.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND EXAMINING ALL CONDITIONS AFFECTING THE PROPOSED INSTALLATION. NO CONSIDERATION WILL BE GIVEN FOR EXTRA COSTS ARISING FROM FAILURE TO VISIT SITE.
- SUPPLY AND INSTALL NEW RECEPTACLES AS SHOWN. RECEPTACLE COVER PLATES TO BE STAINLESS STEEL. MOUNTING HEIGHTS TO BE CONFIRMED ON SITE. ELECTRICAL CONTRACTOR TO MARK UP OUTLET LOCATIONS AND OBTAIN APPROVAL PRIOR TO INSTALLATION.
- ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL RACEWAY ON CONCRETE AND GLAZED WALLS, WITH PHYSICAL DIVIDER TO ACCOMMODATE BOTH DATA AND POWER WIRING WHERE APPLICABLE. ENSURE RACEWAY IS COMPLETELY SEALED.
- ALL WIRING TO RUN IN CONDUITS AND ALL CONDUITS TO BE ELECTRICAL METALLIC TUBING (EMT) UNLESS OTHERWISE SPECIFIED.
- PROVIDE CONNECTORS WITH WATERPROOF BUSHINGS AND "O" RINGS WHEN ENTERING OR EXITING FROM TOP OR SIDE OF ELECTRICAL EQUIPMENT.
- EXPOSED CONDUITS SHALL BE INSTALLED TO CONSERVE HEADROOM AND CAUSE MINIMUM INTERFERENCE IN SPACES THROUGH WHICH THEY PASS.
- USE RIGID GALVANIZED STEEL CONDUIT WHERE EXPOSED INDOORS IN WET LOCATIONS, AND IN-SERVICE AREAS WHERE SUBJECT TO MECHANICAL INJURY.
- USE RIGID PVC CONDUIT UNDERGROUND AND IN EXPOSED INDOOR CORROSIVE AREAS.
- BEND CONDUIT WITHOUT HEATING. REPLACE CONDUIT IF KINKED OR FLATTENED MORE THAN 1/10TH OF ITS ORIGINAL DIAMETER. A MAXIMUM OF 2 (TWO), 90 DEG. BENDS OR EQUIVALENT UP TO 180 DEG. WILL BE PERMITTED WITHOUT INSTALLATION OF A PULL BOX. PULL BOXES FOR ELECTRICAL CONDUCTORS SHALL BE INSTALLED AS PER OESC. THE RUN OF CONDUIT OR TUBING BETWEEN DRAW-IN POINTS DOES NOT HAVE MORE THAN THE EQUIVALENT OF TWO 90° BENDS WITH MINIMUM RADII OF NOT LESS THAN 0.944M FOR CABLE RATED 1000V OR LESS, AND IS LIMITED TO A MAXIMUM OF 15M FOR A

- THREE-CONDUCTOR COPPER CABLE; 45M FOR A SINGLE-CONDUCTOR COPPER CABLE; 35M FOR A THREE-CONDUCTOR ALUMINUM CABLE; OR 100M FOR A SINGLE-CONDUCTOR ALUMINUM CABLE.
- CONDUIT MUST BE INSTALLED SO THAT CONDUCTORS CAN BE DRAWN IN WITHOUT STRAIN OR DAMAGE TO THE CONDUCTORS.
- WHERE VERTICALLY RUN CONDUITS PASS THROUGH A SLAB, CONTRACTOR TO PROVIDE 100MM HIGH CONCRETE PAD WITH THE PAD EXTENDING 100MM ON ALL SIDES OF THE CONDUIT.
- USE FLEXIBLE METAL CONDUIT FOR CONNECTION TO MOTOR OR VIBRATING EQUIPMENT IN DRY AREAS, CONNECTION TO RECESSED LIGHTING FIXTURES WITHOUT A PREWIRED OUTLET BOX, CONNECTION TO SURFACE OR RECESSED LIGHTING FIXTURES AND WORK IN MOVABLE METAL PARTITIONS.
- USE LIQUID TIGHT FLEXIBLE METAL CONDUIT FOR CONNECTION TO MOTORS OR VIBRATING EQUIPMENT IN DAMP, WET OR CORROSIVE LOCATIONS. USE ONLY LIQUID TIGHT FITTINGS WHEN USING LIQUID TIGHT FLEXIBLE METAL CONDUIT. LIQUID TIGHT FLEXIBLE CONDUIT TO HAVE A JACKET WITH AN FT6 RATING WHEN USED IN PLENUMS OTHERWISE PROVIDE A MINIMUM FT4 RATING.
- PROVIDE JUNCTION BOXES, CO-ORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH DOOR SCHEDULE, HARDWARE SCHEDULE, WIRING DIAGRAM AND SHOP DRAWINGS FOR CARD READERS.
- THE SECURITY SYSTEM INSTALLED MUST MATCH THE EXISTING BUILDING SYSTEM. SUPPLY AND INSTALL HONEYWELL SECURITY DEVICES THAT ARE POE (POWER OVER ETHERNET). ALL POE DEVICES RUN BACK TO IT ROOM. PROVIDE PLENUM RATED CABLES TO RUN THROUGH THE CABLE TRAY. FOR ANY OWNER APPROVED NOT POE DEVICES, RUN CABLES BACK TO MAIN SECURITY PANEL. CONDUIT TO BE INSTALLED FROM DEVICE TO CABLE TRAY.
- ALL FIRE ALARM CIRCUITS TO RUN BACK TO THE SIEMENS PANEL.
- ALL NEW INTERIOR FIRE PROTECTION EQUIPMENT SHALL BE ULC LISTED AND FM APPROVED.
- FIRE DEPARTMENT SHALL BE NOTIFIED PRIOR TO SHUTTING DOWN ANY FIRE PROTECTION SYSTEM AND NOTIFIED AGAIN WHEN THE SYSTEM IS RETURNED TO NORMAL OPERATION. TO BE COORDINATED WITH DCM PROJECT MANAGER 5 DAYS PRIOR TO SHUT DOWN.
- ELECTRICAL CONTRACTOR TO ALLOW FOR FIRE ALARM PANEL SUPERVISION DURING TIME OF FIRE ALARM BYPASS DURING INSTALLATION.
- ALL FIRE DETECTION DEVICES TO BE SUPPLIED AND VERIFIED BY SIEMENS CANADA LTD, BUILDING TECHNOLOGIES DIVISION CONTACT GERRY THIBEAULT MOBILE: 416-617-3786 gerry.thibault@siemens.com.
- ELECTRICAL CONTRACTOR TO ALLOW FOR THE CONFIRMATION OF CAPACITY OF LOOPS, THE PARTS, PROGRAMMING OF DEVICES, PROGRAMMING OF PANEL, ADDITION OF DEVICES TO SOFTWARE SYSTEM AND VERIFICATION BY SIEMENS.
- SUPPLY AND INSTALL CARD READERS, DOOR ALARM CONTACTS, ELECTRIC STRIKES, AND REQUEST TO EXIT ON THE DOORS AS SHOWN AND CONNECT TO OVERRIDE SWITCH WITH 18/4 SHIELDED FT-6 PLENUM RATED. CONTRACTOR TO LABEL THE SWITCH WITH WRITING APPROVED BY UTSC. COORDINATE ALL REQUIREMENTS WITH HONEYWELL AND UTSC SECURITY.
- ELECTRICAL CONTRACTOR TO CARRY COMMUNICATIONS SCOPE. COORDINATE ALL COMMUNICATIONS REQUIREMENTS WITH IITS PRIOR TO INSTALLATION AND TERMINATION. FIBER CABLE MUST NOT BE FREE AIR AND MUST BE INSIDE AN ORANGE INNER DUCT FOR THE WHOLE LENGTH OF THE CABLE.
- ELECTRICAL CONTRACTOR TO CARRY HONEYWELL TO TERMINATE WIRING AT CONTROLLER PANEL, COMPLETE PROGRAMMING, UPDATE GRAPHIC AND COMMISSION WORK.
- ELECTRICAL OUTLET MONUMENTS ABOVE THE COUNTERS TO MEET ELECTRICAL SPECIFICATIONS AND TO BE LEGRAND WIREMOLD MULTI-SERVICE PEDESTAL TABLE BOXES FOR LAB APPLICATIONS.
- RECEPTACLES AND JUNCTION BOXES TO BE CLOSE TO AV EQUIPMENT TO MINIMIZE RUNS.
- EACH CARD ACCESS DOOR WILL REQUIRE ALL ACCESS DOOR WIRING GOING TO THE SINGLE DOOR MODULE. THIS WILL REQUIRE 1 Cat6+ Belden 4813 NETWORK DROP TO THE CLOSEST DATA CLOSET.
- SUPPLY AND INSTALL PLENUM RATED FT6 (BELDEN 4813) CABLES FOR COMMUNICATIONS. CABLE TO RUN FROM DATA DROPS, IN CABLE TRAY, TO MAIN IT ROOM. CONDUIT TO BE INSTALLED FROM DEVICE TO CABLE TRAY.
- ELECTRICAL CONTRACTOR TO CARRY COMMUNICATIONS SCOPE. COORDINATE ALL COMMUNICATIONS REQUIREMENTS WITH IITS PRIOR TO INSTALLATION AND TERMINATION. FIBER CABLE MUST NOT BE FREE AIR AND MUST BE INSIDE AN ORANGE INNER DUCT FOR THE WHOLE LENGTH OF THE CABLE.

PROJECT NOTES:

- CONTRACTOR TO INCLUDE FOR REMOVAL AND REINSTALLATION OF ALL POWER RECEPTACLES MOUNTED ON COUNTER-TOP PEDESTALS, WITHIN THE SCOPE SHOWN IN DETAIL 1.
- CONTRACTOR TO INCLUDE FOR SUPPLY AND INSTALL OF NEW COMMUNICATIONS WIRING TO EXISTING DATA DROP LOCATIONS, FOR COMPLETE PROJECT SCOPE, TO MEET THE NEW STANDARDS AND SPECIFICATIONS OF IITS, INCLUDED WITH THE PROJECT SPECIFICATIONS.



01 **PROPOSED FLOOR PLAN**  
E2.1 1:75

01 2026-03-19 ISSUED FOR TENDER HY

NO.	DATE	REVISION NO.	BY

Notes:  
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CLIENT:  
**DEPARTMENT OF BIO-SCIENCE  
UNIVERSITY OF TORONTO  
SCARBOROUGH**  
1265 MILITARY TRAIL, TORONTO ONTARIO, M1C1A4

PROJECT #:  
**DCM2025-20**

PROJECT TITLE:  
**SY LEVEL 2 \_BIO-SCI LAB  
INTERIOR RENOVATION**

SCIENCE RESEARCH, 1265 MILITARY TRAIL  
DRAWN BY: HY CHECKED BY: -

DRAWING TITLE:  
**PROPOSED ELECTRICAL  
PLAN**

DATE: 2026-04-02 DRAWING NO.: E2.1  
SCALE: AS NOTED