

SHERIDAN COLLEGE - DAVIS - VET TECH**Addendum****META-1.0****Reason:** Coordination**Date:** Wed August 20, 2025

This document is issued prior to the closing of the tender to provide further information, make changes or clarify the tender documents, and is to be read, interpreted and coordinated with other parts of the tender documents. In the case of a conflict with the balance of the documents, this Addendum shall govern. This addendum forms part of the Contract Documents.

MECHANICAL/ELECTRICAL TENDER ADDENDUM**1. Drawing Updates**

1. M101 - Updated VAV box schedule to remove VAV12, VAVs in each room now the same; edited plumbing fixtures to add quarter turn stop and p-trap to sink S2, updated louver schedule to new size.
2. M200 - Existing diffusers in corridor are now demo as they are connected to the VAV box in B111b.
3. M201 - Replaced corridor diffusers and added return grille, resized B111b VAV box and ducting to accommodate new diffusers; changes to existing heating water pipes, resized exhaust louvre to be door width, exhaust louvre detail updated.
4. E301 - Replaced corridor emergency lighting to be with emergency exit signs. Corridor combination exit signs/emergency lighting to be replaced
5. E600 - Removed existing access control from B111a door, added notes to reuse existing access control hardware for 2 doors.
6. E601 - Added junction box to corridor door, added notes to reuse existing access control hardware, moved IT room card reader. Added location of access control main panel in server room B122.

2. Additional Clarifications

1. Access control wiring from IT room B122 can run in existing cable tray.

END OF META-1.0

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cc:
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DUCTWORK MATERIALS SCHEDULE			
SERVICE	MATERIAL	INSULATION	FINISH
SUPPLY AIR	GALVANIZED - RECT OR SPIRAL	FIBERGLASS ACOUSTIC	
RETURN	GALVANIZED - RECT OR SPIRAL		
EXHAUST	GALVANIZED - RECT OR SPIRAL	FIBERGLASS W/ FSK (WITHIN 6-FT OF EXTERIOR)	

VAV BOX SCHEDULE										
	MAX AIRFLOW	INLET DIAMETER	VOLTAGE	FAN POWER	DIMENSIONS (L/W/H)	SHIPPING WEIGHT				
TAG	[L/s]	[mm]	[V/Ph/Hz]	[HP]	[mm]	[kg]	MAKE	MODEL	SIZE	NOTE
VAV14	1746	350	N/A	N/A	638/508/445		PRICE	SDV	14 HIGH CAPACITY ONE ROW	C/W MANUAL AIR VENT, REHEAT COIL, TERMINAL STRIP CONTROL READY FOR INTEGRATION INTO DELTA CONTROLS BAS

DIFFUSER AND GRILLE SCHEDULE								
TAG	QUANTITY	DESCRIPTION	AIR FLOW	NECK SIZE	DIMENSIONS (W/H)	WEIGHT		
S	AS INDICATED	SQUARE PLAQUE DIFFUSER	AS INDICATED	[mm]	AS INDICATED	[kg]	MAKE	MODEL
R	AS INDICATED	EGG CRATE GRILLE	AS INDICATED		AS INDICATED		PRICE	80
E	AS INDICATED	STEEL LOUVERED GRILLE	AS INDICATED		AS INDICATED		PRICE	530
			C/W 120V MODULATING FAIL OPEN ACTUATOR WITH END SWITCH, INTERLOCKED TO EXHAUST FAN					

CONTROL DAMPER SCHEDULE					
VALVE	QTY	LOCATION	SIZE W/H/D	MAKE	MODELS
RA_CD	1	B11a	850/300/100	VENTEX	4000
		C/W 120V MODULATING FAIL OPEN ACTUATOR WITH END SWITCH, INTERLOCKED TO EXHAUST FAN			

FAN SCHEDULE													
TAG	DESCRIPTION	AIR FLOW [L/s]	ESP [Pa]	FAN SPEED [RPM]	MOTOR SPEED [RPM]	MOTOR POWER [KW]	VOLTAGE [V/Ph/Hz]	MCA [A]	DIMENSIONS [L/W/H] [mm]	WEIGHT [kg]	MAKE	MODEL	NOTES
EF	INLINE EXHAUST FAN	689	125			0.365	120/1/60		533/450/450	45.0	GREENHECK	SQ-120-VG5X-QD	INLINE FAN, DISCONNECTING MEANS, FIELD MOUNTED BACKDRAFT DAMPER, INTERLOCK TO RETURN AIR CONTROL DAMPER

LOUVRE SCHEDULE							
TAG	QUANTITY	LOCATION	AIR FLOW	FREE AREA	DIMENSIONS (L/W/D)	MAKE	MODEL
LV1	1	PATHOLOGY ROOM EXHAUST	687	53.2%	950/300/50	VENTEX	2215
		FLANGE MOUNT, COLOUR SELECTED BY OWNER					

CEILING RADIANT PANEL SCHEDULE						
TAG	CAPACITY	DIMENSION (L/W/H)	SHIPPING WEIGHT			
RH1	1125	6600/300/39	14.7	SIGMA	SLC	2 TUBE PASSES

CONTROL VALVE SCHEDULE						
VALVE	QTY	LOCATION	SIZE	CV	MAKE	MODELS
CV_RP	2	B111a, B111b RADIANT PANELS	15	1.4	BELIMO	ZZ050Q-F/COX24-3
CV_VAV_RH	2	B111a, B111b VAV BOX REHEAT COILS	15	1.4	BELIMO	ZZ050Q-F/COX24-3

PIPING MATERIALS SCHEDULE			
SERVICE	MATERIAL	INSULATION	FINISH
DHW/DWV/DHWR	COPPER TYPE 'L'	PRE-FORMED FIBREGLASS W/ ASJ	PVC (WHERE EXPOSED TO MECHANICAL DAMAGE)
HWS/HWR	CARBON STEEL - SCHED.40	PRE-FORMED FIBREGLASS W/ ASJ	PVC (WHERE EXPOSED TO MECHANICAL DAMAGE)
SANITARY DRAINAGE BELOW GRADE	PVC SDR35		
SANITARY DRAINAGE ABOVE GRADE	COPPER TYPE 'DWV'		
SANITARY VENT	COPPER TYPE 'DWV'		

PLUMBING FIXTURES SCHEDULE									
SYMBOL	DESCRIPTION	PROVIDE THE FOLLOWING SIZE BRANCH CONNECTION TO THE DISTRIBUTION MAIN - UNLESS OTHERWISE SPECIFIED				REMARKS	COMPONENT	SPECIFICATION	
		CW	HW	SAN	VENT				
S1	DOUBLE SINK WITHIN MILLWORK	15 (1/2")	15 (1/2")	32 (1-1/4")	32 (1-1/4")		STAINLESS STEEL DOUBLE SINK	KINDRED BROOKMORE BDU1831-9 775X460X230 (30 1/2"X18 1/8"X9") STAINLESS STEEL UNDERMOUNT DOUBLE BOWL SINK, MANUAL STRAINER ASSEMBLY INCLUDED	
							BRASS DOUBLE LEVEL FAUCET	ZURN Z831B1-XL WIDESPREAD BRASS FAUCET, LOW LEAD, 203 (8") CENTER, QUARTER TURN CERAMIC DISC CARTRIDGES, POLISHED CHROME FINISH, 64 (2 1/2") VANDAL-RESISTANT COLOR-CODED METAL LEVER HANDLES, 137 (5 3/8") SWING/RIGID GOOSENECK WITH 8.3L/MIN (2.2 USGPM) PRESSURE COMPENSATING AERATOR	
							QUARTER-TURN HEAVY-DUTY STOP	ZURN ZH8820-XL-LR-Q-PC 10X300 (3/8"X12") EXTRA HEAVY DUTY QUARTER TURN STOPS, LOW LEAD, DN 1/2" COMPRESSION, LOOSE KEY, VERTICAL FLEXIBLE STAINLESS BRAIDED HOSES OF 10X300 (3/8"X12"), FLANGE, CHROME PLATED FINISH	
							SEMI-CAST P-TRAPS WITH WALL BEND	ZURN Z8702-9BD 38 (1 1/2") CAST BRASS ADJUSTABLE P-TRAP, 38 (1 1/2") WITH CLEANOUT, DEEP SEAL FLANGE, POLISHED CHROME FINISH	
S2	TRIPLE COMPARTMENT SINK	15 (1/2")	15 (1/2")	32 (1-1/4")	32 (1-1/4")		EYEWASH STATION	GUARDIAN EQUIPMENT G1100 FAUCET-MOUNTED EYEWASH, BRASS DIVERTER VALVE, FURNISHED WITH REMOVABLE AERATOR AND ADAPTER.	
							STAINLESS STEEL SINK WITH 3 FAUCETS	BSM INC. STAINLESS STEEL SINK #WB82309528, 3 STATION W/ MANUAL FAUCETS, ROUND LEGS 60"L X 20"W X 8"D, INCLUDES MANUAL FAUCET AND 40OZ SOAP DISPENSER, WALL MOUNT	
							QUARTER-TURN HEAVY-DUTY STOP	ZURN ZH8820-XL-LR-Q-PC 10X300 (3/8"X12") EXTRA HEAVY DUTY QUARTER TURN STOPS, LOW LEAD, DN 1/2" COMPRESSION, LOOSE KEY, VERTICAL FLEXIBLE STAINLESS BRAIDED HOSES OF 10X300 (3/8"X12"), FLANGE, CHROME PLATED FINISH	
							SEMI-CAST P-TRAPS WITH WALL BEND	ZURN Z8702-9BD 38 (1 1/2") CAST BRASS ADJUSTABLE P-TRAP, 38 (1 1/2") WITH CLEANOUT, DEEP SEAL FLANGE, POLISHED CHROME FINISH	
HB	HOSE BIBB	20 (3/4")					EYEWASH STATION	GUARDIAN EQUIPMENT G1100 FAUCET-MOUNTED EYEWASH, BRASS DIVERTER VALVE, FURNISHED WITH REMOVABLE AERATOR AND ADAPTERS	
FD	FLOOR DRAIN			50 (3")			BRONZE HOSE BIBB	ZURN 195XL CAST BRASS MAIN VALVE BODY, 3/4" SIZE, THREADED END CONNECTIONS, PROVIDE WITH THREAD ON VACUUM BREAKER	
							CAST IRON FUNNEL FLOOR DRAIN	ZURN Z415B DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS AND SCREW IN STRAINER/FUNNEL	

TABLE 6.8.2-1 Minimum Duct Insulation R-Value, Cooling- and Heating-Only Supply Ducts and Return Ducts							
Climate Zone	Duct Location						
	Exterior	Ventilated Attic	Unvented Attic Above Insulated Ceiling	Unvented Attic with Roof Insulation	Unconditioned Space	Indirectly Conditioned Space	Buried
1, 2 3 4 5 6 7 8	Heating-Only Ducts						
	None	None	None	None	None	None	None
	R-0.62	None	None	None	None	None	None
	R-0.62	None	None	None	None	None	None
	R-1.06	R-0.62	None	None	None	None	R-0.62
	R-1.06	R-1.06	R-0.62	None	None	None	R-0.62
	R-1.41	R-1.06	R-1.06	None	R-0.62	None	R-0.62
	R-1.41	R-1.41	R-1.06	None	R-1.06	None	R-1.06
1 2 3 4 5, 6 7, 8	Cooling-Only Ducts						
	R-1.06	R-1.06	R-1.41	R-0.62	R-0.62	None	R-0.62
	R-1.06	R-1.06	R-1.06	R-0.62	R-0.62	None	R-0.62
	R-1.06	R-1.06	R-1.06	R-0.62	R-0.34	None	None
	R-0.62	R-0.62	R-1.06	R-0.34	R-0.34	None	None
	R-0.62	R-0.34	R-0.62	R-0.34	R-0.34	None	None
	R-0.34	R-0.34	R-0.34	R-0.34	R-0.34	None	None
	R-0.34	R-0.34	R-0.34	R-0.34	R-0.34	None	None
1 to 8	Return Ducts						
	R-0.62	R-0.62	R-0.62	None	None	None	None

TABLE 6.8.2-2 Minimum Duct Insulation R-Value, Combined Heating and Cooling Supply Ducts and Return Ducts							
Climate Zone	Duct Location						
	Exterior	Ventilated Attic	Unvented Attic Above Insulated Ceiling	Unvented Attic with Roof Insulation	Unconditioned Space	Indirectly Conditioned Space	Buried
1 2 3 4 5 6 7 8	Supply Ducts						
	R-1.06	R-1.06	R-1.41	R-0.62	R-0.62	None	R-0.62
	R-1.06	R-1.06	R-1.06	R-0.62	R-0.62	None	R-0.62
	R-1.06	R-1.06	R-1.06	R-0.62	R-0.62	None	R-0.62
	R-1.06	R-1.06	R-1.06	R-0.62	R-0.62	None	R-0.62
	R-1.06	R-1.06	R-1.06	R-0.34	R-0.62	None	R-0.62
	R-1.41	R-1.06	R-1.06	R-0.34	R-0.62	None	R-0.62
	R-1.41	R-1.06	R-1.06	R-0.34	R-0.62	None	R-0.62
1 to 8	Return Ducts						
	R-0.62	R-0.62	R-0.62	None	None	None	None

TABLE 6.8.3-1 Minimum Piping Insulation Thickness Heating and Hot Water Systems (Steam, Steam Condensate, Hot Water Heating and Domestic Water Systems)							
Fluid Operating Temperature Range	Insulation Conductivity		≥Nominal Pipe or Tube Size, mm				
	Conductivity, W/(m·°C)	Mean Rating Temperature, °C	<25	25 to <40	40 to <100	100 to <200	≥200
>177°C 122°C-177°C 94°C-121°C 61°C-93°C 41°C-60°C	Insulation Thickness, mm						
	0.046-0.049	121	115	125	125	125	125
	0.042-0.046	93	80	100	115	115	115
	0.039-0.043	66	65	65	80	80	80
	0.036-0.042	52	40	40	50	50	50
41°C-60°C	0.032-0.040	38	25	25	40	40	40

TABLE 6.8.3-2 Minimum Piping Insulation Thickness Cooling Systems (Chilled Water, Brine, and Refrigerant)							
Fluid Operating Temperature Range (°C) and Usage	Insulation Conductivity		Nominal Pipe or Tube Size, mm				
	Conductivity, W/(m·°C)	Mean Rating Temperature, °C	<25	25 to <40	40 to <100	100 to <200	≥200
4°C-16°C <4°C	Insulation Thickness, mm						
	0.030-0.039	24	15	15	25	25	25
<4°C	0.029-0.037	10	15	25	25	25	40

E	ADDENDUM 3	2025-08-25
D	PERMIT & TENDER	2025-08-08
C	REISSUED FOR CLIENT REVIEW 90%	2025-07-11
B	CLIENT REVIEW 90%	2025-06-12
A	CLIENT REVIEW 60%	2025-05-23
REV.	DESCRIPTION	DATE



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CLIENT: CHERIE NG ARCHITECT INC.

OWNER: SHERIDAN COLLEGE

SEAL	SEAL
DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES	

SITE: SHERIDAN COLLEGE - DAVIS CAMPUS
7899 MC LAUGHLIN RD
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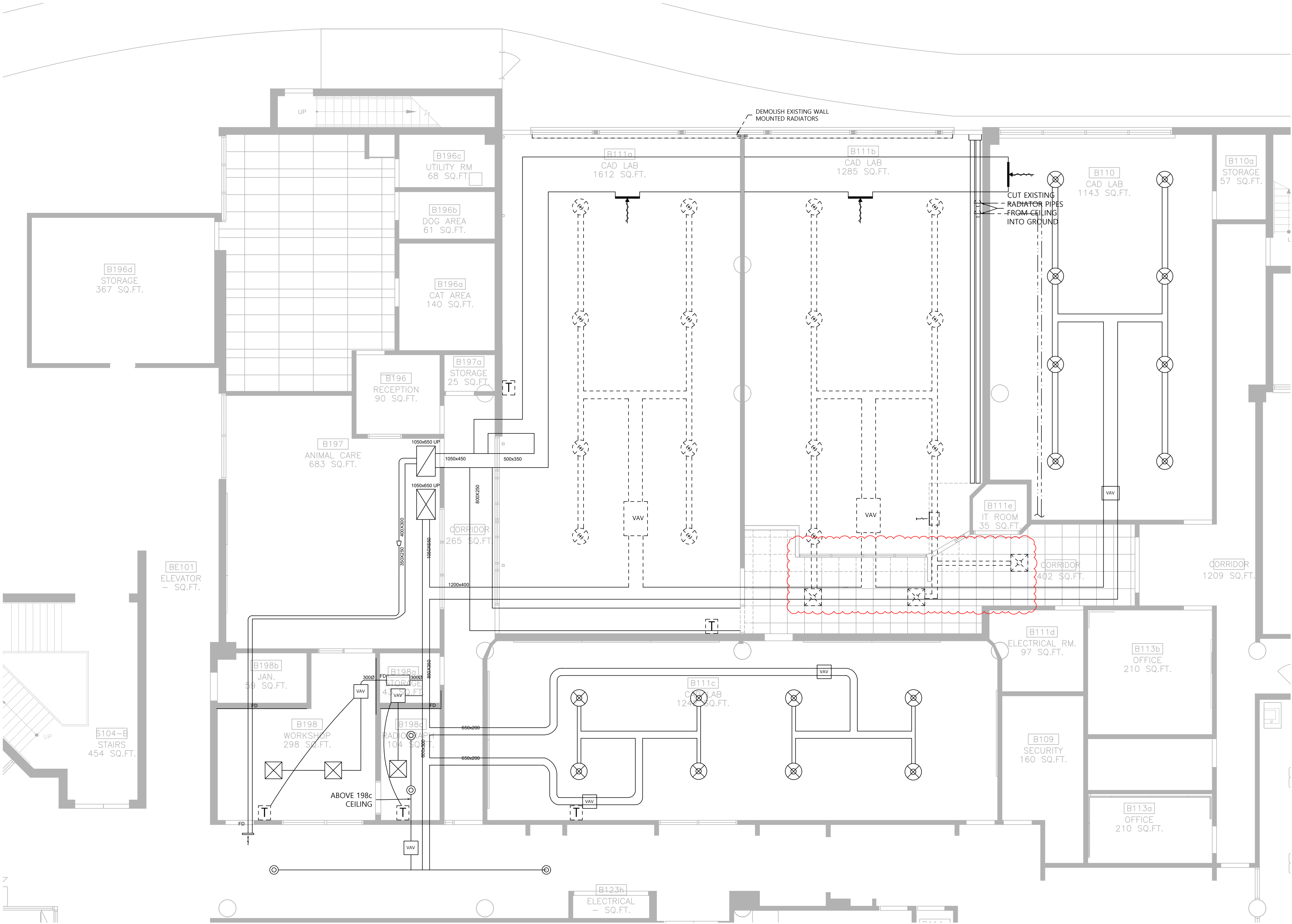
PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS RENOVATION

TITLE: MECHANICAL MECHANICAL SCHEDULES

N/A	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:
25220	M101	E
PROJECT NO:	DRAWING NO:	REVISION:

NOTES:

1. DECOMMISSION AND REMOVE EXISTING SIEMENS CONTROLS ON RTU (SF-6) AND ASSOCIATED CONTROLS FOR VAV BOXES IN B110, B111c, B198, B198a, AND CORRIDOR. REPLACE WITH DELTA CONTROLS C/W DELTA THERMOSTAT
2. WHEN REMOVING VAV BOXES IN B111a AND B111b, TEMPORARILY CAP SUPPLY DUCTS TO ALLOW THE REST OF HVAC SYSTEM TO OPERATE WITHOUT INTERRUPTION



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A	CLIENT REVIEW 60%	2025-05-23
REV.	DESCRIPTION	DATE



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CLIENT: **CHERIE NG ARCHITECT INC.**

OWNER: **SHERIDAN COLLEGE**

SEAL	SEAL

DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

SITE: **SHERIDAN COLLEGE - DAVIS CAMP**
7899 MCLAUGHLIN RD
BRAMPTON, ONTARIO L6Y 5H9

PROJECT: **SHERIDAN COLLEGE DAVIS CAMPUS RENOVATION**

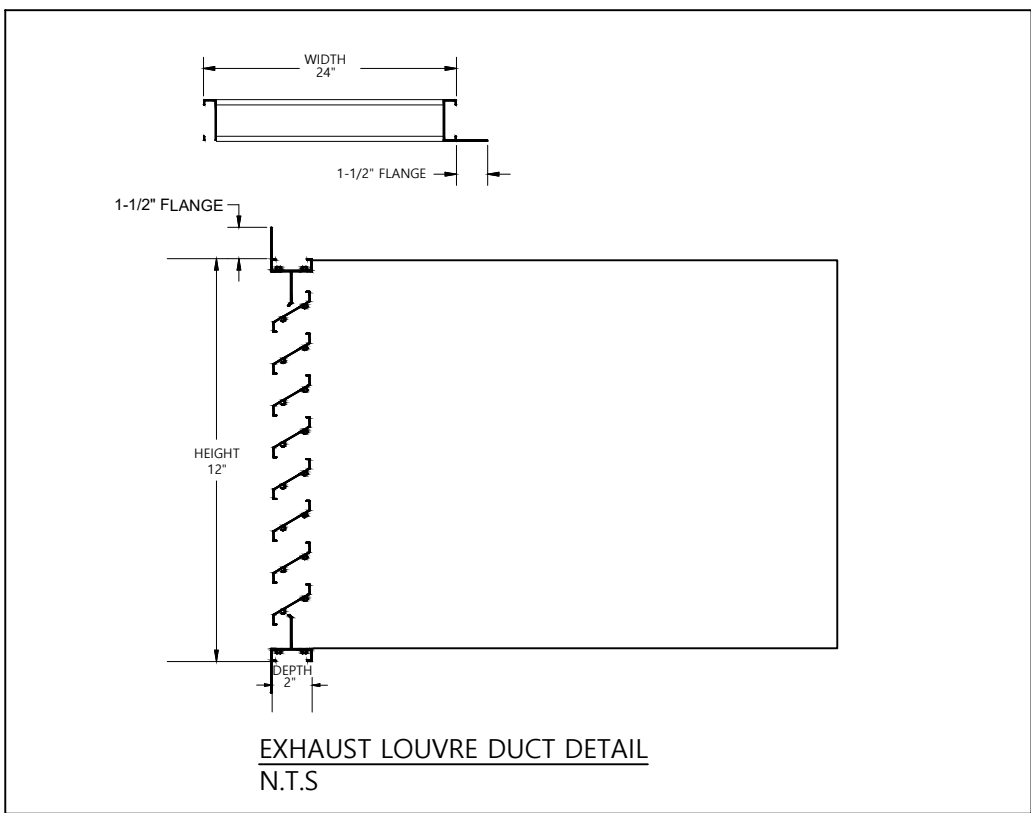
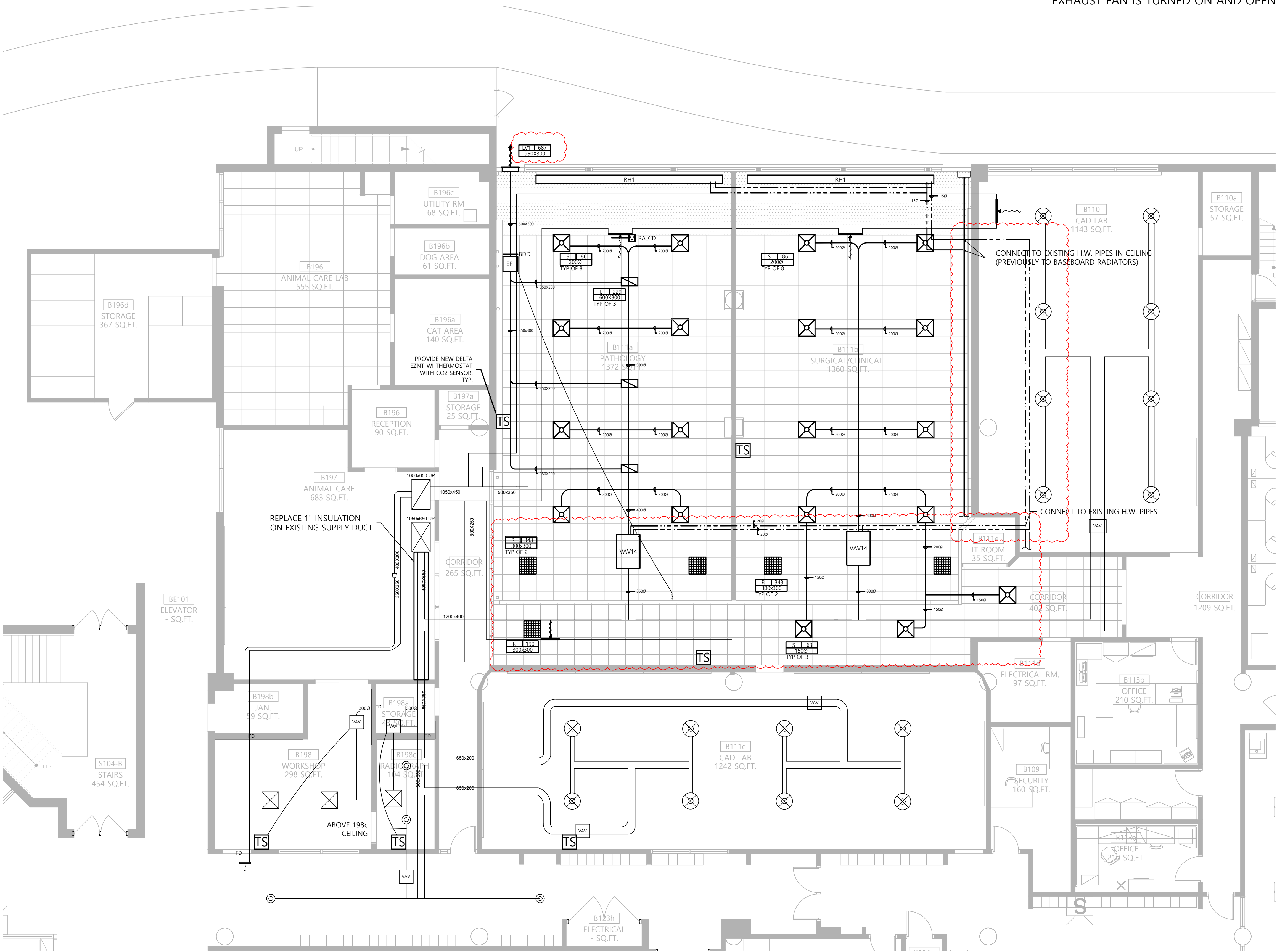
TITLE: **MECHANICAL L1 HVAC DEMO**

1:75	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:

25220	M200	E
PROJECT NO:	DRAWING NO:	REVISION:

NOTES:

1. PROVIDE NEW DELTA EZNT-WI THERMOSTAT WITH CO2 SENSOR, COORDINATE LOCATION AS PER SITE CONDITION/MILLWORK DRAWING
2. INTERLOCK EXHAUST FAN AND RETURN AIR DAMPER IN B111a TO CLOSE DAMPER WHEN EXHAUST FAN IS TURNED ON AND OPEN DAMPER WHEN EXHAUST FAN IS OFF



REV	DESCRIPTION	DATE
E	ADDENDUM 3	2025-08-25
D	PERMIT & TENDER	2025-08-08
C	REISSUED FOR CLIENT REVIEW 90%	2025-07-11
B	CLIENT REVIEW 90%	2025-06-12
A	CLIENT REVIEW 60%	2025-05-23



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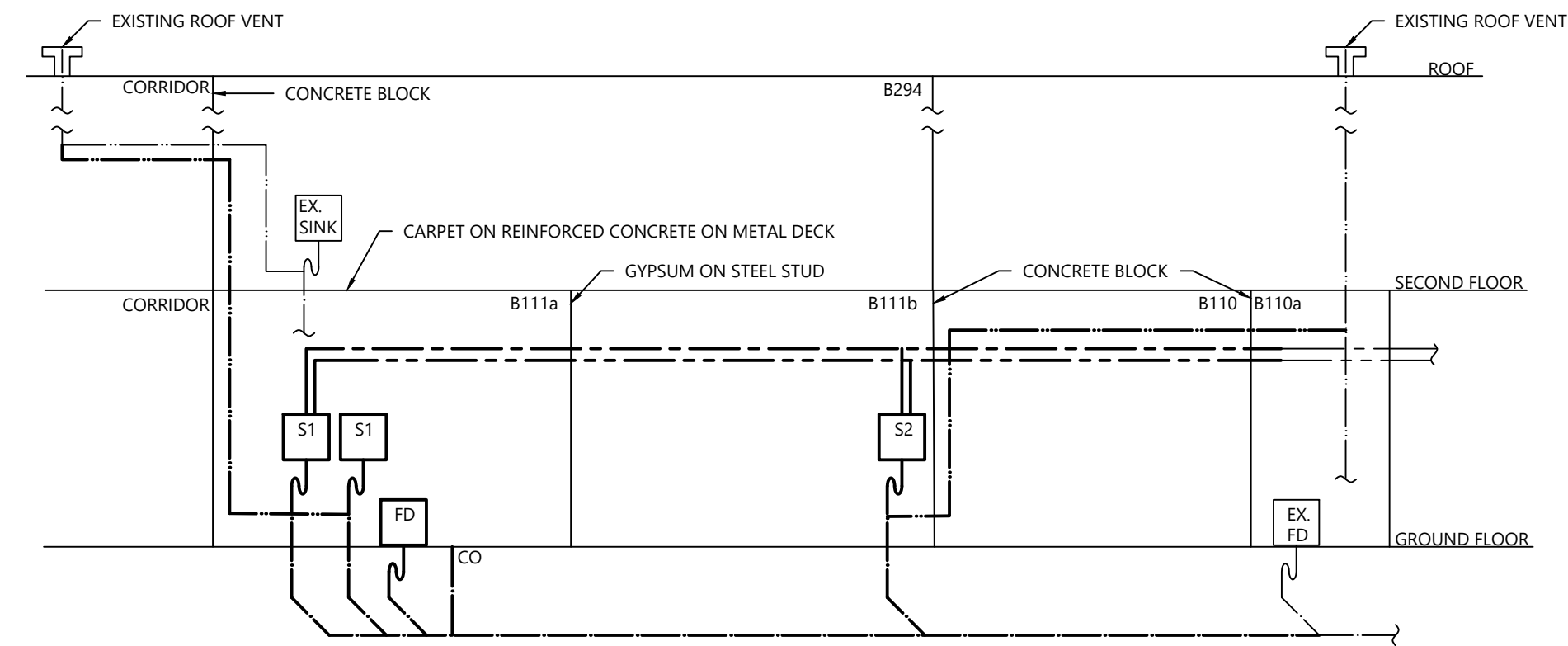
PROJECT: **SHERIDAN COLLEGE DAVIS CAMPUS RENOVATION**

TITLE: **MECHANICAL L1 HVAC PROPOSED**

1:75
SCALE AT ARCH D:
PROJECT NO: **25220**

SL
DRAWN: **M201**
DRAWING NO:

JD
CHECKED: **E**
REVISION:

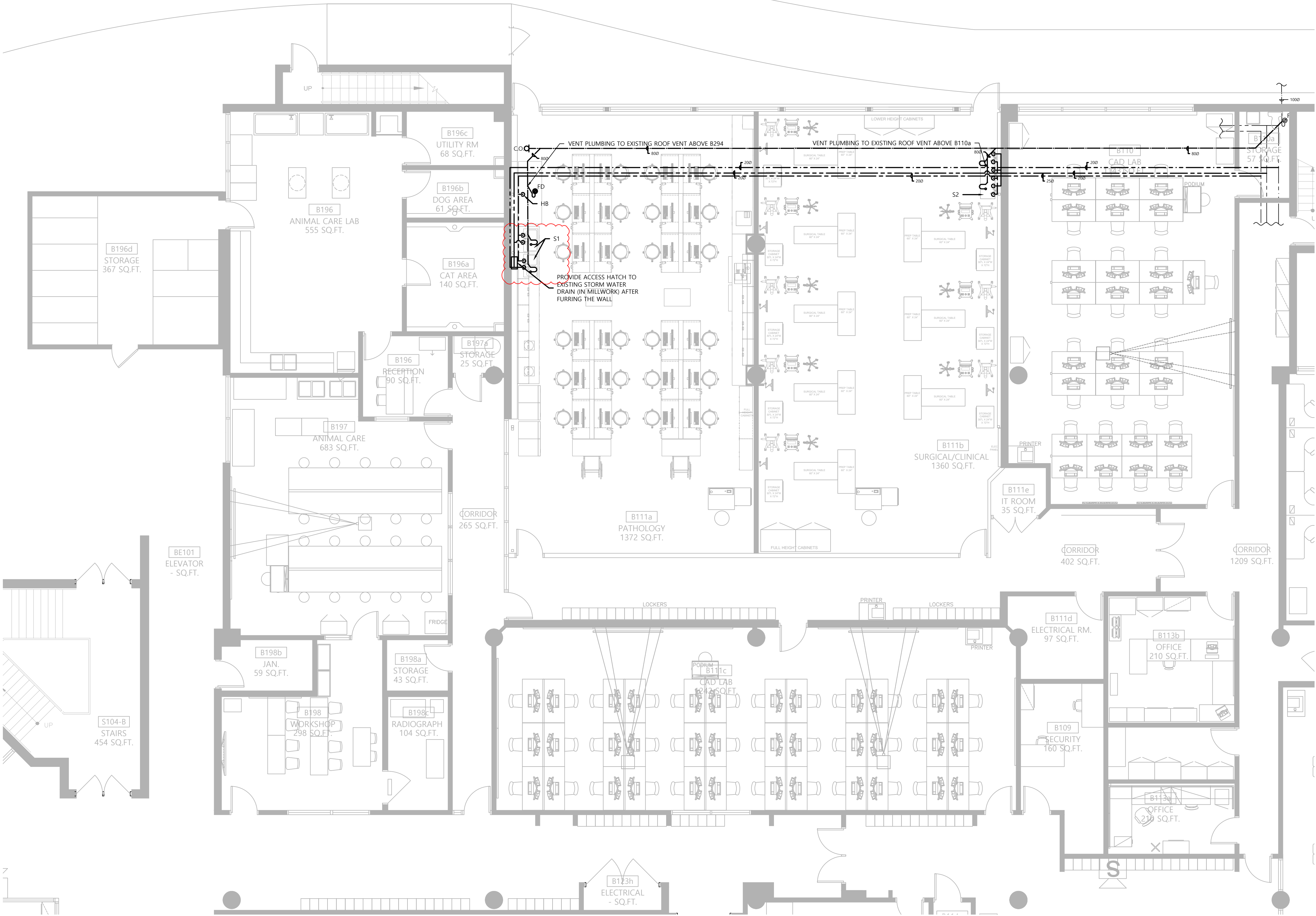


PLUMBING SCHEMATIC

NTS

NOTES:

- 1. FLOORS TO BE SCANNED BEFORE TRENCHING FOR PLUMBING



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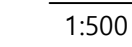
PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS
RENOVATION

TITLE: MECHANICAL
L1 PLUMBING PROPOSED

1:75 SCALE AT ARCH D:	SL DRAWN:	JD CHECKED:
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25220 PROJECT NO:	M300 DRAWING NO:	E REVISION:
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1. CONTRACTORS TO ORDER LIGHTS, KEYPADS, SENSORS, AND ALL WIRING FOR INSTALLATION
2. CONNECT DALI LIGHTING CONTROLS TO EXISTING DALI PANEL IN B132a. RUN TWO DALI BUSES TO B111a AND B111b
2. TIE EMERGENCY LIGHTING IN B111a INTO EXISTING EMERGENCY LIGHTING IN B111b
 - 2.1. HATCHED LIGHTING FIXTURES SHOW EMERGENCY LIGHTING LAYOUT. EMERGENCY LIGHTING TO ACTIVATE WHEN UTILITY POWER IS LOST TO SHOW PATH TO NEAREST EXITS



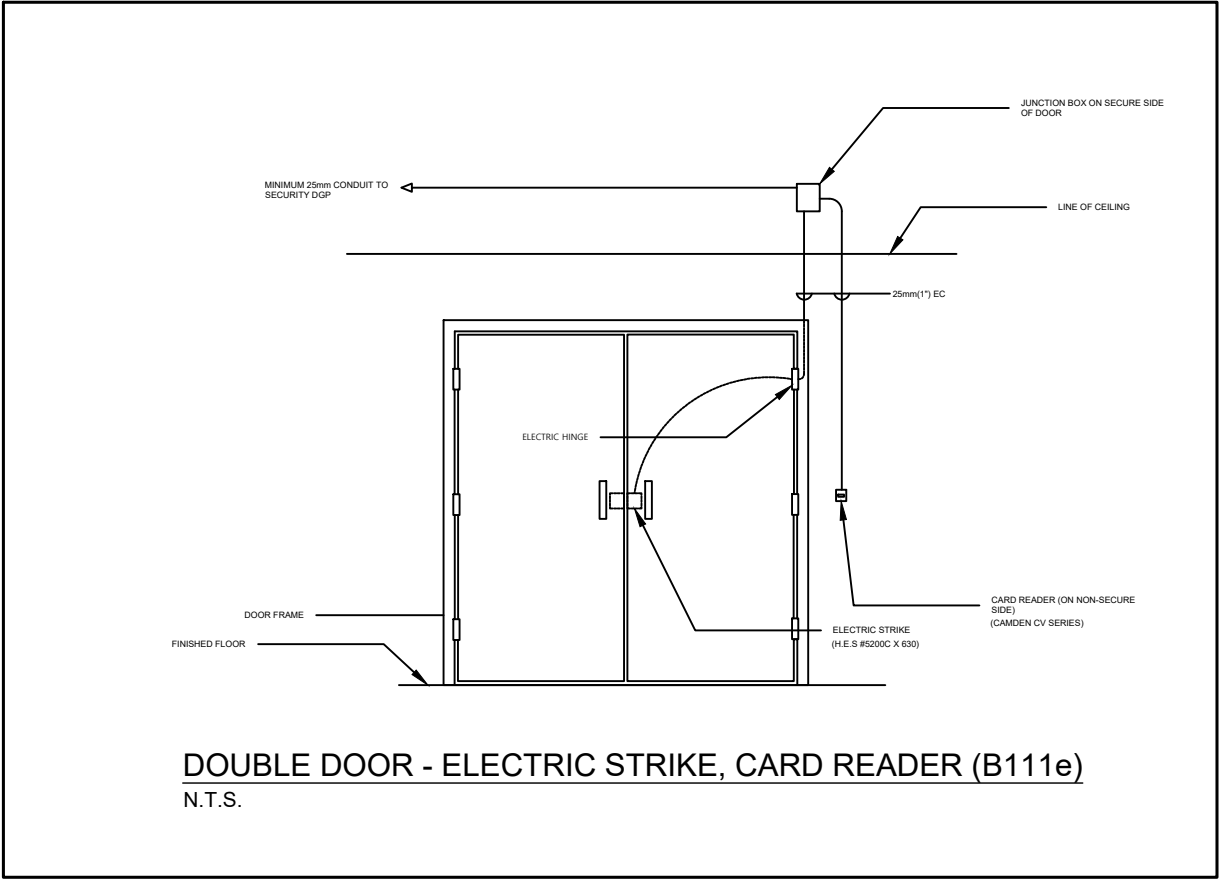
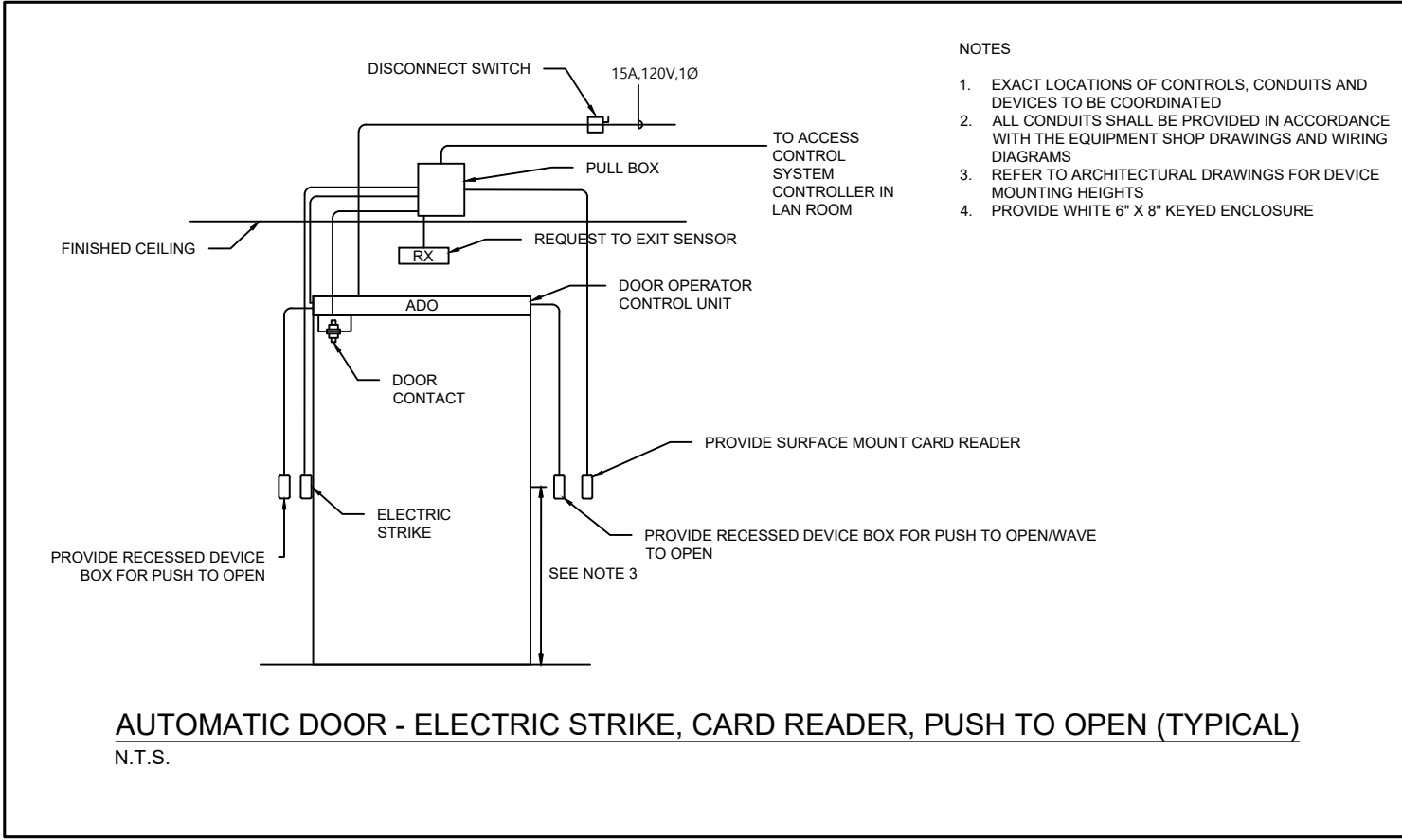
25220	E301	E
PROJECT NO:	DRAWING NO:	REVISION:

1. CAMERAS TO BE REMOVED AND INSTALLED BY IT TEAM, CABLE AND BOX TO BE INSTALLED BY CONTRACTOR
2. REMOVE ACCESS CONTROL HARDWARE AND RETURN TO SHERIDAN SECURITY



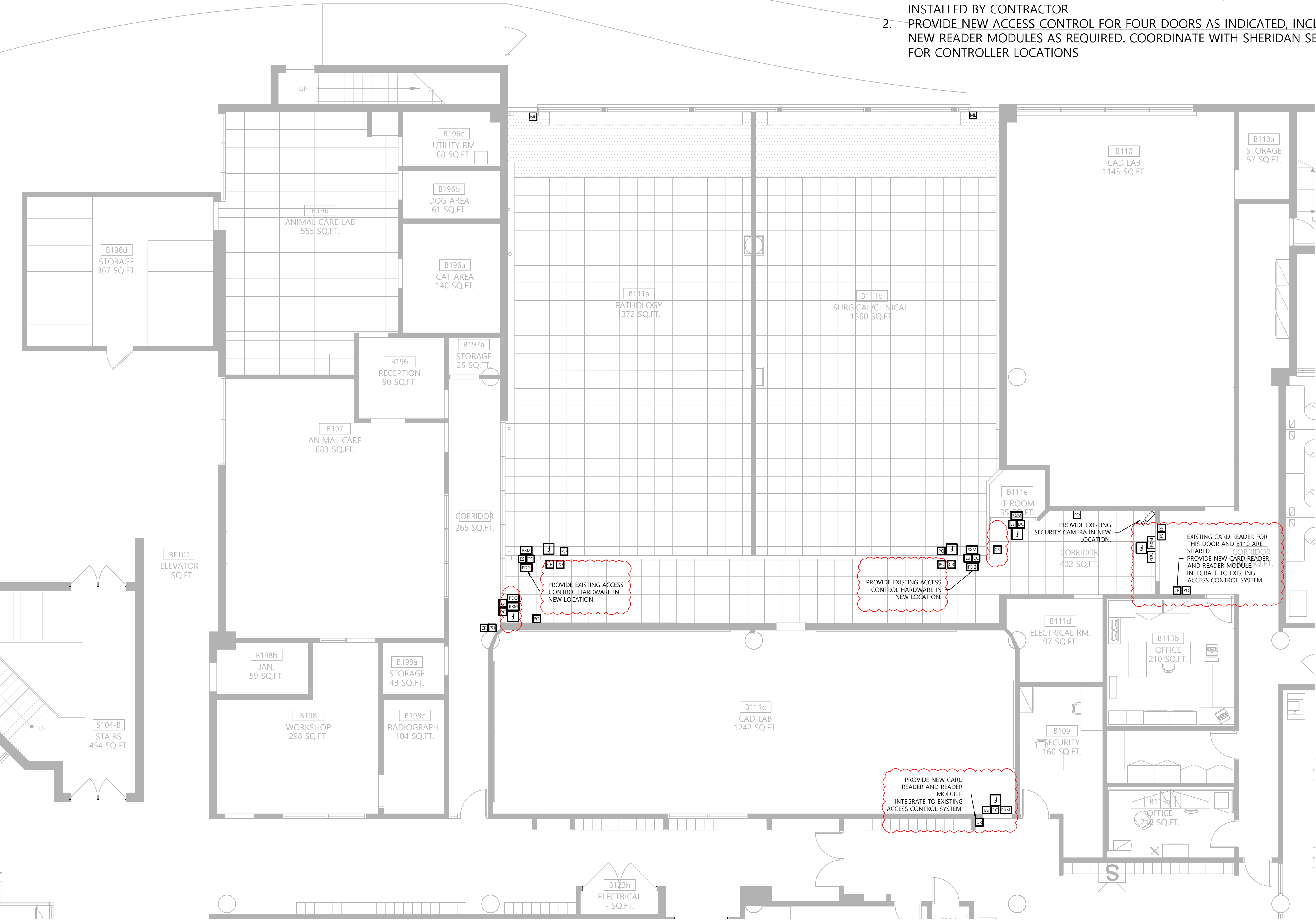
SEAL	SEAL
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SCALE: AS SHOWN	DRAWN: [Signature]	CHECKED: [Signature]
25220 PROJECT NO:	E600 DRAWING NO:	E REVISION:



NOTES:

1. CAMERAS TO BE REMOVED AND INSTALLED BY IT TEAM, CABLE AND BOX TO BE INSTALLED BY CONTRACTOR
2. PROVIDE NEW ACCESS CONTROL FOR FOUR DOORS AS INDICATED, INCLUDING NEW READER MODULES AS REQUIRED. COORDINATE WITH SHERIDAN SECURITY FOR CONTROLLER LOCATIONS



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CLIENT: **CHERIE NG ARCHITECT INC.**

OWNER: **SHERIDAN COLLEGE**

SEAL

SEAL

DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

SITE: **SHERIDAN COLLEGE - DAVIS CAMP**

PROJECT: **SHERIDAN COLLEGE DAVIS CAMPUS RENOVATION**

TITLE: **ELECTRICAL L1 SECURITY PROPOSED**

1:75 SCALE AT ARCH D. DRAWN: **SL** CHECKED: **JD**

PROJECT NO: **25220** DRAWING NO: **E601** REVISION: **E**

1 General

1.1 SECTION INCLUDES

- .1 Resilient Luxury Vinyl Plank & Tile Flooring Plus Accessories.
- .2 Description of Work: Extent of Resilient Luxury Vinyl Plank & Tile Flooring Is shown on the drawings and in Materials and Room Finish Schedule.

1.2 SUBMITTALS

- .1 Submit shop drawings indicating, seaming plan, coving details, and manufacturer's technical data, installation and maintenance instructions for flooring and accessories in accordance with Section 01 10 10.
- .2 Submit the manufacturer's standard samples showing the required colors for flooring, welding rods, and applicable accessories in accordance with Section 01 10 10.
- .3 Submit copies of manufacturer's Product data in accordance with Section 01 10 10 for adhesives, weld rod, moisture mitigation systems, primers, patching/leveling compounds, floor finishes (polishes) and cleaning agents and Material Information Sheets for flooring products indicating:
 - .1 Performance criteria, compliance with appropriate reference standard, characteristics, and limitations.
 - .2 Product transportation, storage, handling and installation requirements.
- .4 Submit the manufacturer's certification that the flooring has been tested by an independent laboratory and complies with the required fire tests.
- .5 Closeout Submittals: Submit the following:
 - .1 Operation and Maintenance Data: Operation and maintenance data for installed products in accordance with Division 1 Closeout Submittals (Maintenance Data and Operation Data) Section. Include methods for maintaining installed products, and precautions against cleaning materials and methods detrimental to finishes and performance.
 - .2 Warranty: Warranty documents specified herei
- .6 Certification of Fire Performance: submit Independent Test certification acceptable to relevant authorities proving that the product complies with the latest fire test performance criteria – ASTM E648.

1.3 QUALITY ASSURANCE

- .1 ISO 9001 Certified
- .2 ISO 14001 Certified
- .3 BES 6001 Certified.

1.4 SITE CONDITIONS

- .1 Maintain temperatures of between 65°F (18°C) and 81°F (27°C) in all areas to receive the product(s) for at least 48 hours before the installation commences; during the entire installation process; and for at least 24 hours following installation. should be acclimatized with the adhesive, at a minimum temperature of between 65°F (18°C) and 81°F (27°C) for at least 24 hours prior to installation. Do not install resilient flooring product(s) until all other finishing operations have been completed. Resilient Flooring product(s) should not be installed directly to concrete slabs until the slab has sufficiently cured and is sufficiently dry (80% in accordance with ASTM F2170) to achieve a suitable adhesive bond. Notify Clients Agent / Architect immediately of any unsatisfactory conditions. FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS

2 Products

2.1 MATERIALS

- .1 Vinyl Sheet Flooring (LINO-3):
 - .1 To match with existing flooring, the Resilient Luxury Vinyl Plank & Tile Flooring shall be Polyflor Expona Simplay PUR as supplied by Polyflor Canada Inc of Mississauga Ontario Canada. Polyflor Expona Simplay PUR is recommended for heavy traffic areas that require a hard-wearing flooring which is attractive and easy to maintain. The Flooring shall be 5mm thickness, 0.7mm wear layer; and comply with ASTM F1700 Standard Specification for Solid Vinyl Floor Tile without a backing; and ISO 10582 Type1. The Flooring shall incorporate a polyurethane reinforcement (PUR) to enable a polish free maintenance program. The Flooring shall be suitable for use with Underfloor Heating where a maximum temperature of 81°F (27°C) at the adhesive line shall not be exceeded.
 - .2 Test Data:
 - .1 ASTM F137 Flexibility – 1" - Passes
 - .2 ASTM F925 Chemical Resistance – Excellent Chart available upon request
 - .3 ASTM F970 Static Load Limit – Passes ≤ 0.005 in. @750 psi
 - .4 ASTM F1514 Resistance to Heat – $\Delta E \leq 8$
 - .5 ASTM F1515 Resistance to Light – $\Delta E \leq 8$
 - .6 ASTM F1914 Residual Indentation – Passes ≤ 0.005 in.
 - .7 ASTM E648 Flammability (Critical Radiant Flux) Class 1 (>0.45 W/cm²)
 - .8 CAN ULC S-102.2 Fire Test (Canada) Pass – Flame spread <300 ; Smoke Developed <500

- .9 ASTM D2047 Static Coefficient of Friction – ≥ 0.5
- .10 Commercial Warranty – 10 Year.
- .3 Installation Materials Adhesives: Only use Manufacturer approved adhesives. Contractor to submit list of Polyflor approved adhesives to the Architect for approval. Application – follow adhesive manufacturer's installation instructions. Use only Polyflor matching grout / marquetry lines / accessories. Impact sound reduction: when tested to ISO 717/2, 6 dB.
- .4 Installation Qualification: Contractors for floor covering installation should be professional installers, experienced in managing commercial flooring projects and provide qualified to install the various flooring materials specified. An installer is "qualified" if trained by Polyflor or a certified INSTALL (International Standards & Training Alliance) resilient floor covering installer.
- .5 Colours:
 - .1 LINO-3: Luxury Vinyl Tile – Polyflor Expona Simplay Grey, Fine Line 2510, 7" x 48"

2.2 FLOOR BASE

- .1 Resilient base type (B-1):
 - .1 Acceptable Products/manufacturers:
 - .1 Forbo
 - .2 Johnsonite
 - .3 Roppe 'Pinnacle Rubber Base'.
 - .2 Rubber wall base, 3.2 mm (1/8") thick, 101.6 mm (4") high, with cove profile. Colour: to later selection by Consultant from manufacturer's full range. coved profile, in lengths as long as possible including premoulded end stops and inner and outer corners.

3 Execution

3.1 EXAMINATION

- .1 Inspection: Contractor to inspect sub floor surface to determine suitability eg Smooth and free from cracks holes ridges coatings or other defects that may impair adhesion performance or appearance.
- .2 Concrete subfloors – Contractor to check substrate for compliance with ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; and determine dryness and adhesion by carrying out bond and moisture tests as recommended by Polyflor.

3.2 PREPARTION

- .1 Prepare substrate in accordance with ASTM F710 Only continue with installation after substrates have been tested and proved to meet the minimum requirements from the manufacturer when tested in accordance with ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride or ASTM F2170 Standard Test Method for Determining %RH levels in Concrete substrates using an invasive situ probe. Commencement of installation will constitute acceptance of the substrate condition.

3.3 INSTALLATION

- .1 Layout directions shall match with existing flooring that is already installed.
- .2 Prior to installation verify exact dimension and direction of lay and layout of all planks and tiles and any border / logos with the Consultant.
- .3 Install Polyflor Expona Simplay PUR Luxury Vinyl Plank & Tile Flooring using only adhesives pertinent for the slab / site conditions that appear on the Polyflor Approved Adhesive List following the adhesive manufacturers application instructions.
- .4 Acclimatize Polyflor Expona Simplay PUR Luxury Vinyl Plank & Tile Flooring in accordance with Polyflor's printed installation recommendations.
- .5 Install Polyflor Expona Simplay PUR Luxury Vinyl Plank & Tile Flooring strictly in accordance with Polyflor's printed installation instructions.

3.4 PROTECTION AND CLEANING

- .1 Flooring Contractor shall protect the exposed surfaces of the Polyflor Expona Simplay PUR Luxury Vinyl Plank & Tile Flooring from marking indentation and any other potential damage caused by ongoing construction operations including the placing of access equipment construction equipment and fixtures.
- .2 The installed Polyflor Expona Simplay PUR Luxury Vinyl Plank & Tile Flooring shall not be trafficked for a minimum of 24 hours after the installation has been completed; 48 hours for rolling and heavy point loads.
- .3 General Contractor shall observe closely Polyflor's printed instructions for cleaning and protection of Polyflor Expona Simplay PUR Luxury Vinyl Plank & Tile Flooring and closely follow these instructions in the initial pre-handover cleaning regime including but not limited to:
 - .1 Removal of all adhesive residue and surface blemishes
 - .2 Remove all loose surface dust and debris via sweeping or vacuuming
 - .3 Damp mop surface to remove any soiling marks – rinse and dry
 - .4 A regular maintenance regime in accordance with Polyflor's printed Cleaning Instructions should be followed immediately after the initial cleaning

3.5 PREPARATION

- .1 Prepare substrates according to Polyflor written instructions to ensure proper adhesion of Resilient Flooring.
 - .1 Prepare concrete substrates in accordance with ASTM F 71.
 - .1 Concrete floors must be free of dust, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, film-forming curing compounds, silicate penetrating curing compounds, sealing, hardening or parting compounds, alkaline salts, excessive carbonation or laitance, mold, mildew, and other foreign materials that may affect dissipation rate of moisture from the concrete, discoloration or adhesive bonding.
 - .2 Mechanically remove contamination on the substrate that may cause damage to the resilient flooring material. Permanent and non-permanent markers, pens, crayons, paint, etc., must not be used to write on the back of the flooring material or used to mark the substrate as they could bleed through and stain the flooring material.
 - .3 Perform moisture testing as recommended by manufacturer. Proceed with installation only after substrates have been tested and meet the minimum requirements from the manufacturer in accordance with ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride or ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes.
 - .4 A pH test for alkalinity must be conducted on the concrete floor prior to installation with results between 7 and 9. If the test results are not within the acceptable range, then installation must not proceed until the problem has been corrected.
 - .2 Fill cracks, holes, depressions and irregularities in the substrate with good quality Portland cement-based underlayment leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.
 - .3 Floor covering shall not be installed over expansion joints.
 - .4 Do not install resilient products until they are same temperature as the space.
 - .5 where they are to be installed.
 - .1 Move resilient products and installation materials into spaces where they will be installed at least 48 hours in advance of installation.
 - .6 Sweep and vacuum clean substrates to be covered by resilient products immediately before installation.
- 3.6 **RESILIENT LVT FLOORING INSTALLATION**
 - .1 Comply with manufacturer's written instructions for installing resilient LVT flooring.
- 3.7 **CLEANING AND PROTECTION**

- .1 Comply with manufacturer's written instructions for cleaning and protection of resilient products.
- .2 Comply with manufacturer's written instructions for cleaning and protection of resilient products:
 - .1 Remove adhesive and other blemishes from exposed surfaces.
 - .2 Sweep and vacuum surfaces thoroughly.
 - .3 Damp-mop surfaces to remove marks and soil.
- .3 Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
 - .1 No traffic for 24 hours after installation.
 - .2 No heavy traffic, rolling loads, or furniture placement for 72 hours after installation.
- .4 Wait 72 hours after installation before performing initial cleaning.
- .5 A regular maintenance program must be started after the initial cleaning.

END OF SECTION

1 General

1.1 SECTION INCLUDES

- .1 Labour, Products equipment and services necessary for the laboratory stainless steel casework and fittings Work in accordance with the Contract Documents.

1.2 REFERENCES

- .1 ASTM A 666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless-Steel Sheet, Strip, Plate, and Flat Bar; 2000.
- .2 ASTM D 2240 - Standard Test Method for Rubber Property - Durometer Hardness; 2002.
- .3 SEFA 8M-2016 Recommended Testing Standards for Laboratory Grade Metal Casework on Base and Wall Cabinets. Report number: 104681075GRR-001B

1.3 SUBMITTALS

- .1 Submit in accordance with Section 01 10 10.
 - .1 Product Data: Manufacturer's data sheets on each product to be used, including:
 - .2 Preparation instructions and recommendations.
 - .3 Storage and handling requirements and recommendations.
 - .4 Installation methods.
- .1 Shop Drawings: Submit shop drawings in accordance with Section 01 10 10 indicating materials, thicknesses, sizes, finishes, profiles, connection attachments, shop jointing, field jointing, reinforcing, anchorage, fastener types and sizes, location of exposed fastenings, mechanical and electrical service routes, service outlets, cutout locations, and sizes. Include erection drawings, plans, elevations, sections, and details as applicable.
- .2 Samples: Submit samples in accordance with Section 01 10 10.
 - .1 Complete set of colour chips representing the manufacturer's full range of available colours. (minimum sample size: 2" (50mm) x 3" (76mm).
 - .2 One stainless steel chip representing the manufactured finish shall be provided
 - .3 One of each item of hardware.

1.2 QUALITY ASSURANCE

- .1 Testing Reports: Manufacturer shall submit test data which is in compliance with the project specifications.
- .2 Certificates: Any certificates required by the specification may be requested and provided.

- .3 Instructions: Provide instructions for the installation and maintenance of all products provided and installed within this section.
- .4 Manufacturer Qualifications:
 - .1 The following list of information will be provided to the Architect at least ten (10) days prior to the bid opening:
 - .1 List of manufacturing facilities.
 - .2 A list of ten (10) installations of comparable stature completed within the past 5 years.
 - .3 Construction details depicting the materials, sizes and methods of construction.
 - .4 Independent laboratory test reports that include information on cabinet, fume hood and tabletop finish and performance that have been conducted within the last two years.

1.4 DELIVERY, STORAGE, AND HANDLING

- .1 Store products in manufacturer's unopened packaging until ready for installation.
- .2 Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
- .3 Do not deliver laboratory casework until painting, utility roughing-in, and similar operations that could damage, soil, or deteriorate casework have been completed in installation areas. If casework must be stored in other than installation areas, store only in areas whose environmental conditions meet requirements specified in "Project Conditions" Article below.
- .4 Protect finished surfaces from soiling and damage during handling and installation. Keep covered with polyethylene film or other protective covering. Mark in large lettering "NO STANDING."

1.5 PROJECT CONDITIONS

- .1 Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- .2 Building must be totally enclosed (This includes but is not limited to: Windows and Doors installed, and the location must be weather tight.)
- .3 All wet-work shall be completed.

- .4 HVAC system is operating and will maintain temperature and relative humidity at occupancy levels through remainder of construction period.
 - .5 Nearby and related work shall be completed.
 - .6 Site must be free of additional construction such as painting, taping and floating drywall work or other items that could damage or mark finish of installed product.
 - .7 Required bracing must be installed properly and be ready for casework installation.
- 1.6 **WARRANTY**
- .1 Provide a written warranty that all work performed under this section shall be free from defect of materials, finish and workmanship for a period of five (5) years from date of shipment.
 - .2 The warranty of products of another manufacturer, and sold by Inter Dyne Systems Inc, are limited to the warranty extended by that manufacturer to Inter Dyne Systems Inc.
- 2 Products
- 2.1 **MANUFACTURER**
- .1 Basis of Design:
 - .1 Acceptable Manufacturers:
 - .2 Inter Dyne Systems Inc., 676 E. Ellis Rd., Norton Shores, MI 49441 Direct Phone: (231) 799-8760 Web: www.interdynesystems.com
 - .3 Canadian Scientific Lab Systems Inc., 7777 Eastview Road., Guelph, ON N1H 6J1 Tel: (226) 780-4793 Email: info@canadianscientific.ca
 - .4 Or approved equivalent by Consultant
- 2.2 **MATERIALS**
- .1 Stainless Steel:
 - .1 Sheet: ASTM A240, Type 304 or 316 alloy
 - .2 Visible surface Finish: Unless otherwise indicated, AISI No. 4 brushed finish.
 - .3 Non-visible surface finish: Unless otherwise indicated, AISI No. 2b finish.
 - .2 Glass: Clear Float or Tempered .25" thick, conforming to ANSI Z97.1 glazing quality.
 - .3 Acrylic: Clear Acrylic .25" thick conforming to ANSI Z97.1 for use as substitution for clear float glass. Only when specified.
 - .4 Base at millwork and wall
 - .1 Stainless Steel SS-1 base (B-4): 18 Gauge Stainless Steel wall base, approximately 100 mm high x 18GA thick, coved profile, in lengths as long as

possible including premoulded end stops and inner and outer corners.

Colour: Brushed Finish.

2.3 CASEWORK CONSTRUCTION

.1 General

- .1 The stainless-steel casework and components shall be of modern design and shall be constructed in accordance with the best practice of the Scientific Laboratory Equipment Industry.
- .2 Exceptional quality casework shall be insured by the use of proper machinery, tools, dies, fixtures and skilled workmanship to meet the intended quality and purpose of the project.
- .3 Individual cabinets shall be rigid and self-supporting, for use interchangeable in a group of cabinets, or individual units.
- .4 All cabinets to have a cleanable smooth interior. Bottoms shall be formed down on sides and back to create easily cleanable corners with no burrs or sharp edges.
- .5 Case openings of Inset style cabinets shall be rabbeted on all four sides for hinged doors to provide a dust resistant case.
- .6 Maintain uniform clearances around door and drawer fronts of 1/16 to 3/32 inch.

.2 Gauges and Thickness:

Gauges of steel used in construction of cases shall be 18 gauge (.048), except as follows:

- .1 12ga (.105) – leveling foot gussets.
- .2 14ga (.075) – stainless steel shelf clips.
- .3 16ga (.060) – apron rails, cross rails, end pedestals, pull out shelves, hat channel supports and reinforcement gussets.
- .4 20ga (.036) – Drawer assemblies, door assemblies, removable back panels, sloped tops, filler panels and slip filler panels.

.3 Grain Direction:

Base & Suspended Cabinets: Grain shall run vertical on visible front and side surfaces of all base cabinets, including doors and drawers.

.1 Base & Suspended Cabinets:

- .1 Grain shall run vertical on visible front and side surfaces of all base cabinets, including doors and drawers.

- .2 Interior shelf grain runs front to back along the depth of the cabinet.
 - .3 Components in the interior of the cabinet may run horizontally or front to back.
- .2 Wall Cabinets:
 - .1 Grain shall run vertical on visible front surfaces of all wall cabinets, including doors.
 - .2 Grain shall run horizontal on all top and bottom visible surfaces from the front of the cabinet.
 - .3 Interior shelf grain runs front to back along the depth of the cabinet.
 - .4 Components in the interior of the cabinet may run horizontally or front to back.
- .3 Tall Cabinets:
 - .1 Grain shall run vertical on visible front and side surfaces of all tall cabinets, including doors and drawers.
 - .2 Interior shelf grain runs front to back along the depth of the cabinet.
 - .3 Components in the interior of the cabinet may run horizontally or front to back.
- .4 Mobile Cabinets:
 - .1 Grain shall run vertical on visible front and side surfaces of all base cabinets, including doors and drawers.
 - .2 Grain shall run horizontal on all top and bottom visible surfaces from the front of the cabinet.
 - .3 Interior shelf grain runs front to back along the depth of the cabinet.
 - .4 Components in the interior of the cabinet may run horizontally or front to back.
- .5 Fillers:
 - .1 Fillers shall run in the corresponding direction as the cabinet face that the filler is attached to. Except where cabinet dimensions do not permit.
- .6 Aprons, Knee space and Sloped Tops: All grain to run
 - .1 All grain to run horizontally on aprons, knee space panels and sloped tops.
- .4 Cabinet Frame:
 - .1 Side panels to be formed into not less than a L shape in the top, bottom back and a minimum of $\frac{3}{4}$ " C shaped front.

- .2 One piece die-formed cabinet bottom construction with return side flanges turned down.
- .3 Top horizontal front rail shall interlock with the flange at the top of the side panels and welded for strength, but shall be flush at the face of the unit.
- .4 Rear horizontal rail shall interlock with the flange at the top of the side panels and welded for strength. The removable backs shall lock into the top rear rail where applicable.
- .5 Toe space shall be fully enclosed, 4 inches high by 3 inches deep, with no open gaps or pockets.
- .6 Bottom corners to accept a foot gusset with a 3/8" leveling leg.
- .7 Wall and tall cabinets to be furnished with a welded on solid back with integral mounting to receive a wall cleat.
- .8 Cabinet construction shall be TIG welded to form a strong well-fitted, one-piece unit.
- .9 Front face joints fully welded, ground and polished to provide a continuous flat front plane free of clevises.
- .10 Suspended cabinets shall consist of the same construction as base cabinets with the toe kick removed.
- .5 Backs:
 - .1 Base cabinets furnished with removable back panel for access to stops, valves and service lines.
 - .2 Cabinets with drawers only do not come equipped with back panels.
 - .3 Partial height fixed back panels for sink base cabinets.
 - .4 Wall and tall cabinets to have fixed welded in place backs.
 - .5 Suspended cabinets shall always be furnished with removable back panels.
- .6 Doors:
 - .1 All doors shall close on rubber bumpers.
 - .2 All doors shall be replaceable in the field.
 - .3 Cabinet doors shall not exceed 23" in width. Any cabinets requiring doors to be wider will be supplied with a center divider.
 - .1 Example: a 60inch wide sink base cabinet with double doors to have a center divider between doors.

- .4 All hinged doors less than 36" in height shall be hung by minimum of two (2) hinges. Doors greater than 36" in height shall be hung by minimum of three (3) hinges.
- .5 Hinged and sliding solid doors
 - .1 7/8" thick, outer and inner formed and telescoped boxed construction. Reinforced with a channel to prevent sagging or pulling of fasteners.
 - .2 20 gauge outer and inner panels.
 - .3 Hinges to be attached with #8 stainless screws.
 - .4 Sliding doors to accept rollers and flush handles.
- .6 Hinged and sliding glass doors
 - .1 16 gauge stainless steel outer face to be of one-piece construction, with corners fully welded ground and polished. Reinforced with channels to accept removable inner face.
 - .2 18 gauge stainless steel inner face removable for replacement of glass.
 - .3 Glass set into channels provided by removable back panels.
- .7 Drawers:
 - .1 Fabricate drawer fronts of 20 gauge (.036) stainless panels. The exterior drawer front shall have a channel formation at the top edge with fully finished return edge to form a finished drawer front when secured to the drawer box. Drawer front has a lip to fit over the inside box on the top and bottom edges. Lock the drawer face onto the drawer box with removable #8 screws from the backside of the drawer front.
 - .2 Drawer body shall consist of a two-piece construction, first is the drawer body and second is drawer box front inner panel. Drawer slide rails spot welded to the outer edge of the drawer box sides. Drawer sides shall have a reinforcing bend on the top edges.
 - .3 Drawer slides systems shall be designed with self-closing action with a rating of 100lb capacity per drawer. Stainless steel full extension ball bearing slides.
 - .4 Drawers shall be removable with a release tab incorporated into the slides.
 - .5 All drawers shall close against rubber bumpers.
 - .6 Provide drawer pulls in center location of drawer face. All drawers over 24" wide shall be furnished with two (2) drawer pulls.
- .8 Shelves:

- .1 Adjustable shelves fabricated from 18 gauge stainless steel, with all sides formed down 1" and with an inner return of 3/4" for stiffness and rigidity.
- .2 Quantity of adjustable shelves supplied per cabinet to be called out in supplied submittal drawings.
- .3 Center fixed shelf in tall cabinets, with all sides formed down 1" and with only the front edge formed with an inner return of 3/4" to match the adjustable shelves. Fixed shelf to be attached to center of tall cabinets to help keep the cabinet rigid.
- .9 Knee Space Rails:
 - .1 Knee space rails shall be 4" high and fabricated from a single metal channel shaped skirting.
- .10 Apron Pencil Drawer Assemblies (SPD):
 - .1 Pencil drawer rails shall be 5-3/8" high and fabricated from a single metal channel shaped skirting. Drawer suspension framing shall be mechanically fixed to channels, welded integrally with front and back channel sections formed into a rigid one-piece unit.
 - .2 Standard SPD assemblies range from 24 to 48 inches in width with single drawer or double drawer. Drawer suspension shall be with ball bearing slides and self-closing action.
- .11 End Pedestals:
 - .1 End pedestals shall consist of two (2) 16ga side panels welded together to form a strong rigid unit.
 - .2 End pedestals shall be 2" thick and be designed to accept a knee space rail or apron.
 - .3 End pedestals shall be provided with two (2) leveling devices.
- .12 Cabinet Sloped Tops:
 - .1 Sloped tops shall be fabricated from 20ga stainless steel, welded, ground and polished to make a complete unit. It shall mount flush with the front edge of the cabinet and extend back at an angle.
 - .2 Sloped tops shall be supplied with a wall cleat to mount the sloped top to the wall.
- .13 Scribes and Fillers:

- .1 Provide as needed to close space between cabinets and walls, ceilings and indicated equipment. Fabricate from the same material and with the same finish as cabinets.
- .2 Supply front base filler panels with flanges on both sides and a 3" x 4" toe space along the working face.
- .3 Corner filler panels shall be a two-piece construction, one upper and one panel forming the toe space. Each shall be welded together to form one complete unit.
- .4 Slip filler panels shall consist of a two-piece construction. One double piece and one single piece, the single piece shall slip into the double piece allowing the slip filler to be adjusted as needed along the surface.
- .5 End closure panels shall be flanged on two (2) sides secured to the back of the cabinet or wall and silicone into place on the adjacent surface. No visible mounting hardware allowed.
- .14 Hardware:
 - .1 Door Hinges: 2-1/2" long stainless steel five (5) knuckle type butt hinges.
 - .2 Wire Pulls: shall be provided for drawers and hinged doors, pulls shall be mounted vertically for hinged doors and mounted horizontally for drawers. Recessed pulls available upon request.
 - .3 Door Catches:
 - .1 Stainless steel magnet catch mounted on cabinet body with a receiving 430 stainless steel magnetized plate mounted on door body.
 - .2 Nylon roller catches available upon request.
 - .3 Base cabinet catch to be located on the top of door.
 - .4 Wall cabinets catch to be located on the top of the cabinet.
 - .5 Tall cabinets to have a catch located on the top of the cabinet and a catch on the bottom of the cabinet.
 - .4 Shelf clips: Laser cut 14ga stainless steel removable shelf clips.
 - .5 Leveling guides: 3/8-16 stainless steel 250lb capacity glid with minimum 1" adjustment.
 - .6 Locks: Stainless-steel heavy-duty cylinder 5-disc type tumbler, stamped with identifying number. Keyed individually.
 - .7 Casters:

- .1 Casters shall be dual wheel type made of thermoplastic rubber, with a minimum load rating of 100kg (220lbs) each. All legs with casters shall swivel and have brakes that lock the wheel as well as the swivel feature of the caster when the brake is applied. Minimum height of tables may be increased by 101mm (4") when selecting this caster option.
- .2 'Model 670.13.902' by Hafele or approved alternative. (8 total).

2.4 STEEL FURNITURE FINISH

- .1 T304 stainless steel with a #4 brushed finish.
- .2 All factory welds shall be made using TIG process. Filler rod shall be of the same composition as the base material.

2.5 COUNTERTOPS, SCULLERY UNITS AND SHELVING

- .1 Countertops: 16-gauge (1.59 mm) type 304 or 316 stainless-steel with number 4 finish; one-piece construction where possible; turned down fronts; integral turned up backs to 3/8-inch (9.5 mm) radius; three formed channels placed underneath for support. All without solder. Provide factory punched service fixture holes.
 - .1 Sides: Weld turned up.
 - .2 Sides: Weld turned down.
 - .3 Sides: Weld as indicated on drawings.
 - .4 Include sound deadening compound on underside of countertop.
 - .5 Dimensions: As indicated on drawings.
- .2 Countertops without sinks:
 - .1 Form tops with 1.25" high (32mm) edges with 0.5" (12mm) return flange. Reinforced with wood core or metal hat channels as shown on drawings.
 - .2 Form edges, flanges and backsplashes integrally from one sheet of steel. Intersections between backsplashes and work surface shall be radiused a minimum of 0.375" (9mm).
 - .3 Where indicated on drawings, provide marine edges. Marine edges shall be 1" (25mm) wide and 0.25" (6mm) high.
- .3 Countertops with sinks:
 - .1 Form tops with 1.25" high (32mm) edges with 0.5" (12mm) return flange.
 - .2 Marine edges shall integrally formed on all edges. Marine edges shall be 1" (25mm) wide and 0.25" (6mm) high.
 - .3 Work surface shall be reinforced with metal hat channels.

- .4 Form edges, flanges and backsplashes integrally from one sheet of steel. Intersections between backsplashes and work surface shall be radiused a minimum of 0.375" (9mm).
- .4 Joints:
 - .1 Factory welds shall be ground and polished to provide an invisible joint.
 - .2 Field connections shall be mechanical "tongue and groove" interlocking design with concealed bolts to provide a hairline seam.
- .5 Sound Deadener:
 - .1 Countertops and sinks shall have sound deadening material applied as required to the underside.
 - .1 Nominal thickness:
 - .2 0.062" (1.5mm).
 - .2 Sound deadener shall be waterborne, non-flammable and shall contain no volatile organic compounds.
- .6 Material Properties:
 - .1 Chemical Resistance:
 - .1 Evaluation of chemical resistance based on SEFA 3 – 2010 Laboratory Work Surfaces standard list of 49 chemicals / concentrations, their required methods of testing (24-hour surface test) and exceed the acceptable results as a means of establishing an acceptable level of performance for all exposed and semi-exposed surfaces.
 - .2 The chemical resistance performance shall in accordance with SEFA 8.
- .7 Scullery sinks: not less than 14-gauge (1.90 mm) type 304 or 316 stainless steel w a number 4 finish; one piece construction where possible; fabricated with corners rounded and coved to 3/4-inch (.17-mm) . All seams provided are continuous welded butt joints. Sinks sloped to bottom with center punched 3 1/2" (88.9-mm) diameter drain outlet supplied with stainless steel strainer. All seams are polished to a uniform #4 finish free of cross scratches. Sinks to have a heavy duty 1/8 inch (3-mm) thick coating of heat resistant, sound deadening compound applied to under surface. Frame to be 2" 16-gauge wall square stainless-steel tube or 16-gauge wall 1-5/8" dia round tube with heavy duty adjustable bullet feet with 4" aprons and 1-1/2" tube style stretchers fully welded. Supplied with offset style wall clips to secure to wall at

- .8 Shelving: 18-gauge (1.27 mm) type 304 stainless steel with number 4 finish; formed return on bottom, front and side edges. Dimensions: As indicated on drawings.
 - .1 Dimensions: As indicated on drawings.
- .9 Wall Standards and Triangular Brackets: 304 stainless-steel with number 4 finish; brackets have tang on bottom for stability. 14-gauge, with countersunk installation holes on 1" returns. Heavy duty style is 12-gauge with the same dimensions.
 - .1 Standard Length: 2 feet (610 mm).
 - .2 Standard Length: 3 feet (914 mm).
 - .3 Standard Length: 4 feet (1219 mm).
 - .4 Standard Length: 6 feet (1829 mm).
 - .5 Bracket Size: 12 inches (305 mm); left side.
 - .6 Bracket Size: 12 inches (305 mm); right side.
 - .7 Bracket Size: 16 inches (406 mm); left side.
 - .8 Bracket Size: 16 inches (406 mm); right side.

2.6 **WALL AND BASE CABINETS**

- .1 Stainless steel: Commercial-quality, 304 stainless-steel, complying with ASTM A 366; satin brushed #4 finish; suitable for exposed applications; and stretcher leveled or roller leveled to stretcher-leveled flatness.
- .2 Minimum Stainless-steel Thickness: Provide stainless steel laboratory furniture components of the following minimum thicknesses:
 - .1 Sides, ends, fixed backs, bottoms, tops, soffits, and items not otherwise indicated: 0.0478 inch. Except for flammable liquid storage cabinets, bottoms may be 0.0359 inch if reinforced.
 - .2 Back side panels, doors, drawer fronts and bodies, and shelves: 0.0359 inch. For back panels and doors for flammable storage cabinets, use 0.0478 inch thick stainless steel. For shelves more than 36 inches long, use 0.0478 inch thick stainless steel or provide suitable reinforcement.
 - .3 Intermediate horizontal rails, table aprons and cross rails, center posts, and top gussets: 0.0598 inch.
 - .4 Drawer runners, sink supports, and hinge reinforcements: 0.0747 inch. Leveling and corner gussets: 0.1046 inch.
- .3 General: Complete assembly and finish work at point of manufacture. Perform assembly on precision jigs to provide units which are square; fully reinforced with angles, gussets, and channels; and integrally framed and welded to form a dirt and

vermin-retardant enclosure. Where applicable, reinforce base cabinets for sink support. Maintain uniform clearance around door and drawer fronts of 1/16 to 3/32 inch.

- .4 Fabricate units on precision dies for interchangeability of like-size drawers, doors, and similar parts.
- .5 Flush Doors: Outer and inner pans formed and telescoped into box formation, with channel reinforcement full height on center of each pan. Fill doors solid with noncombustible, sound-deadening material.
- .6 Hinged Doors: Reinforce with formed angles on inner pans made with 1 piece of steel.
- .7 Drawers: Assemble fronts from telescoping outer pans, designed to eliminate raw edge of steel at top. Fabricate sides, back, and bottom of one piece with rolled or formed top of sides for stiffening and comfortable grasp for drawer removal.
- .8 Adjustable Shelves: Front, back, and ends formed down with returned lip at front and back.
- .9 Toe Space: Provide stainless steel toe space, fully enclosed, 4 inches high by 3 inches deep, with no open gaps or pockets.
- .10 Table Legs: Not less than 2-inch square, electrically welded tubing. Provide leg stretchers where necessary to comply with structural performance requirements. Weld or bolt leg stretchers to legs and cross-stretchers. Securely bolt legs to table aprons. Provide leveling device welded to bottom of each leg.
- .11 Leg Shoes: Vinyl or rubber, black, open-bottom type.
- .12 Utilities: Provide space, cutouts, and holes for pipes, conduits, and fitting in cabinet bodies to accommodate utility services and their support-strut assemblies.
- .13 Filler Strips: Provide as needed to close space between cabinets and walls, ceilings, and indicated equipment. Fabricate from the same material and with the same finish as cabinets.

2.7 BOX CORE DIVIDER AT WORKSTATIONS

- .1 T6-RLC-5442-2N-2E - Titan 6" Depth Reagent Box Core – Lower Height or approved equivalent.
 - .1 Gauges:
 - .1 Post: 14 gauge
 - .2 Inserts: 18 gauge
 - .3 Horizontal supports: 14 gauge
 - .4 Floor Bracket: 10 gauge

2.8 PLUMBING AND ELECTRICAL FIXTURES

- .1 Plumbing Service Fittings:
 - .1 Provide fittings as indicated on Drawings, complete with washers, locknuts, nipples, and other installation accessories. Include wall and deck flanges, escutcheons, handle extension rods, and similar items.
 - .2 Service fittings shall be delivered to the point of use and installed under this section of the specifications, for connection and plumbing by the mechanical division of the specifications.
 - .3 All service fittings shall be factory assembled (including the assembly of valves and shanks to turrets, flanges and other mounting accessories), and each fixture shall be individually tested.
 - .4 Preparation:
 - .1 Provide openings, accesses, cutouts, etc., in casework units and tops as necessary to permit installation of fittings at the Project Site.
- .2 Electrical Service Fittings:
 - .1 Provide units with metal housing and gaskets required for mounting on laboratory casework. Receptacles, terminals, pilot lights, device plates, and accessories are specified in Division 26. Ensure fittings comply with required NEMA, ULC, UL and CSA standards as applicable.
 - .2 Provide types of fittings necessary for the services indicated on the Drawings.
 - .3 Preparation: Provide openings, accesses, cutouts, etc., in casework, reagent shelf supports, service chase columns and tops as necessary to permit installation of fittings at the Project Site.

2.9 MISCELLANEOUS ITEMS:

- .1 Cable Grommets:
 - .1 Round cable set to be used as pass-throughs in countertops. Designed to be press-fitted or glued to countertop.
 - .2 Black plastic (Other available colours: white, grey, almond, brown or chrome matt).
 - .3 Two-piece round with spring closure.
 - .4 Standard size: 2-3/8" (60mm). (Also available sizes: 2" and 3-1/8")
 - .5 Coordinate location of grommets for monitor arms and wire management with the Owner.

- .2 Monitor Arms:
 - .1 Flota Series Single Monitor LCD Desk Mount: Model 500LCD02100 by Richelieu or approved equivalent.
- .3 CPU (Desktop Computer) Shelf:
 - .1 Suspends from table frames with hanging rails and includes full extension runner to slide out the CPU unit.
 - .2 Full assembly to be standard painted metal to match laboratory casework.
 - .3 Unit size: 9-1/2" (241mm) wide, 19-1/2" (495mm) high, 22-3/8" (568mm) deep.
 - .4 Welded full length support hangers on top of unit to be accepted on rails of tables.
 - .5 Thumb screw on upper rear of unit to secure to table frame.
 - .6 Full extension, bayonet runner with front lip, to adjust up to 40" (1016mm).

2.10 CASEWORK HARDWARE

- .1 Hardware, General: Provide manufacturer's standard satin-finish, commercial quality, heavy-duty complying with requirements indicated for each type.
- .2 Hinges: Stainless-steel, 5-knuckle hinges complying with BHMA 156.9, Grade 1, with antifriction bearings and rounded tips. Provide 2 for doors less than 48 inches high and 3 for doors more than 48 inches high.
- .3 Pulls: Stainless-steel, fastened from back with 2 screws. For sliding doors, provide plastic, or aluminum flush pulls. Provide 2 pulls for drawers more than 24 inches wide. Recessed pulls available in gray polypropylene.
- .4 Door Catches: Nylon-roller spring catch or dual, self-aligning, permanent magnet catch. Provide 2 catches on doors more than 48 inches high.
- .5 Drawer Guides: Stainless-steel Full Extension Ball Bearing Drawer Slide complying with ANSI/BIFMA X5.5-2008, ANSI/KCMA a 161.1-2006, ANSI-BHMA a 156.9-2010, NSF/ANSI 2 Food Equipment, SEFA-8-2007, WI.
- .6 Label Holders: Stainless-steel or chrome-plated, sized to receive standard label cards approximately 1 by 2 inches, attached with screws or rivets.
 - .1 Provide on all drawers
- .7 Drawer and Cupboard Locks: Cylindrical type, with cam, cylinder exposed, chrome-plated finish, complying with BHMA A156.11, Grade 1.
 - .1 Provide minimum of 2 keys per lock.

- .2 Provide on all drawers and doors.

2.11 **PERFORMANCE REQUIREMENTS**

- .1 Structural Performance: Provide stainless steel laboratory casework capable of withstanding the following loads without permanent deformation, excessive deflection, or binding of drawers and doors.
 - .1 Shelves of Base, Wall, and Storage Cabinets: 200 lbs.
 - .2 Drawers: 150 lbs.
 - .3 Wall Cabinets: 150lbs/ft.
 - .4 Floor-Supported Base Cabinets: 100-lbs/ft/ within cabinets, 75-lbs/ft. countertop.

3 Execution

3.1 **EXAMINATION**

- .1 Do not begin installation until substrates have been properly prepared.
- .2 If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding

3.2 **PREPARATION**

- .1 Clean surfaces thoroughly prior to installation.
- .2 Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 **INSTALLATION**

- .1 Coordinate cutouts for plumbing fixtures, inserts, appliances, outlet boxes, and other fixtures. Round internal corners of cut-outs and seal exposed cores.
- .2 Scribe and cut as required, fit to abutting walls, and surfaces, fit properly into recesses and to accommodate columns, fixtures, outlets, or other projecting, intersecting or penetrating objects leaving a 0.8 mm gap maximum.
- .3 Install in accordance with manufacturer's instructions.
- .4 Casework Installation:
 - .1 Casework shall be set with components plumb, straight, and square, securely anchored to building structure with no distortion. Concealed shims shall be used as required.
 - .2 Cabinets in continuous runs shall be fastened together with joints flush, uniform and tight with misalignment of adjacent units not to exceed 1/16 of an inch.

- .3 Wall casework shall be secured to solid material, not lath, plastic or gypsum board.
- .4 Top edge surfaces shall be abutted in one true plane. Joints are to be flush and gap shall not exceed 1/8 of an inch between tops.
- .5 Casework and hardware shall be adjusted and aligned to allow for accurate connection of contact points and efficient operation of doors and drawers without any warping or binding.
- .5 Countertop Installation:
 - .1 Countertops are to have been fabricated in lengths according to drawings, with ends abutting tightly and sealed with corrosion resistant sealant.
 - .2 Tops will be anchored to base casework in a single true plane with ends abutting at hairline joints with no raised edges at joints.
 - .3 Joints shall be factory prepared having no need for in-field processing of top and edge surfaces.
 - .4 Joints shall be dressed smoothly, surface scratches removed, and entire surface cleaned thoroughly.
- .6 Install millwork at locations shown on drawings. Position accurately, level, plumb straight.
- .7 **MW-1A, MW-1B – Upper and Lower Cabinets**
 - .1 Construct sink countertop sizes and details as noted.
 - .2 Construct countertop sizes and details as noted.
 - .3 Construct upper and lower storage sizes and details as noted.
 - .4 Construct cabinet frames, back, doors, shelves, end pedestals/fillers sizes and details as noted.
 - .5 Anchor to supports in a concealed manner
 - .6 Mitre joints at corners. Keep joints to a minimum.
 - .7 Round all corners, edges and ends.
 - .8 Drawer and Cupboard Locks
 - .9 Install brackets and supports supplied under work of Section 05 50 00.
- .8 **MW-2A, MW-2B, MW-2C – Upper and Lower Cabinets**
 - .1 Construct countertop sizes and details as noted.
 - .2 Construct upper and lower storage sizes and details as noted.
 - .3 Construct cabinet frames, back, doors, shelves, end pedestals/fillers, knee space rails sizes and details as noted.

- .4 Anchor to supports in a concealed manner
- .5 Mitre joints at corners. Keep joints to a minimum.
- .6 Round all corners, edges and ends.
- .7 Drawer and Cupboard Locks
- .8 Install brackets and supports supplied under work of Section 05 50 00.
- .9 **MW-4 – Workstation**
 - .1 Construct tabletop sizes and details as noted.
 - .2 Construct lower storage sizes and details as noted.
 - .3 Construct cabinet frames, doors, drawers, shelves, box core, end pedestals/fillers, knee space rails sizes and details as noted.
 - .4 Anchor to supports in a concealed manner
 - .5 Mitre joints at corners. Keep joints to a minimum.
 - .6 Round all corners, edges and ends.
 - .7 Cable Grommets, coordinate locations with the Owner.
 - .8 Monitor Arms, coordinate locations with Grommet locations.
 - .9 CPU (Desktop Computer) Shelf
 - .10 Drawer and Cupboard Locks
 - .11 Install brackets and supports supplied under work of Section 05 50 00.
- 3.4 **MW-4A – Box Core Divider at Workstations**
 - .1 Construct box core divider sizes and details as noted.
 - .2 Anchor to supports in a concealed manner
 - .3 Mitre joints at corners. Keep joints to a minimum.
 - .4 Round all corners, edges and ends.
 - .5 Cable and wire management
 - .6 Coordinate electrical outlet locations with DIVISION 22.
 - .7 Install brackets and supports supplied under work of Section 05 50 00.
- .2 **MW-5 – Mobile Workstation**
 - .1 Construct tabletop sizes and details as noted.
 - .2 Construct lower storage sizes and details as noted.
 - .3 Construct cabinet frames, shelves, end pedestals/fillers sizes and details as noted.
 - .4 Anchor to supports in a concealed manner
 - .5 Mitre joints at corners. Keep joints to a minimum.
 - .6 Round all corners, edges and ends.

- .7 4 heavy duty swiveling casters per workstation.
 - .8 Install legs and supports supplied under work of Section 05 50 00.
 - .3 Casework Installation:
 - .1 Peel protective plastic off all surfaces that will not be accessible after installation. Leaving on as much of the plastic as possible until the end of installation to ensure finish surfaces do not get scratched or damaged during installation.
 - .2 Set casework components plumb, level and true; shim as required, using concealed shims.
 - .3 Cabinets in continuous run must be fastened together flush, tight and uniform not exceeding 1/16" of an inch misalignment.
 - .4 Wall casework wall cleats shall be secured to solid supporting backing material, not to plaster, lath or gypsum board. Wall cabinets shall hang on wall cleats supported with solid backing materials at all times.
 - .5 Top surfaces shall be joined in one level plane. Joints to be flush and gaps shall not exceed 1/8 of an inch between the tops.
 - .6 Adjust casework and hardware so doors and drawers operate smoothly without warp or bind.
 - .4 Fastening:
 - .1 Coordinate wall securement, anchorage, and blocking for stainless steel casework items.
 - .2 Position items of stainless steel casework Work accurately, level, plumb, true and fasten or anchor securely.
 - .3 Design and select fasteners to suit size and nature of components being joined. Use proprietary devices as recommended by manufacturer.
 - .4 Provide heavy duty fixture attachments for wall mounted cabinets.
 - .5 Set finishing nails to receive filler. Where screws are used to secure members, countersink screw in round cleanly cut hole and plug with wood plug to match material being secured.
 - .5 Remove and replace damaged, and/or marked stainless steel casework.
- 3.5 **CLEANING**
- .1 Remove all protective plastic and labels immediately after installation.
 - .2 Repair or remove and replace defective work as directed on completion of installation.

- .3 Clean finished surfaces, touch up as required, and remove or refinish damaged or soiled areas to match original factory finish.

3.6 PROTECTION

- .1 Protect installed products until completion of project.
- .2 Counter tops and ledges shall be protected with 6mm (1/4") ribbed cardboard for the remainder of the construction process.
- .3 Examine casework for damaged or soiled areas; replace, repair, and touch-up as required.
- .4 Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

general notes:

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2. Drawings are not to be scaled for construction. Contractor to verify all existing conditions and dimensions required to perform the Work and report any discrepancies with the Contract Documents to the Architect before commencing work.

3. Positions of exposed or finished mechanical or electrical devices, fittings, and fixtures are indicated on the Architectural drawings. The locations shown on the Architectural drawings govern over the Mechanical and Electrical drawings. Those items not clearly located will be located as per directed by the Architect.

GENERAL DEMOLITION NOTES:

A. ALL FURNITURE AND ITEMS, INCLUDING BUT NOT LIMITED TO CHAIRS, TABLES, LOCKERS, FILE CABINETS, STORAGE UNITS, DESKS, BULLETIN BOARDS, WHITE BOARDS ETC. TO BE REMOVED BY OTHERS AND IS N.I.C. UNLESS OTHERWISE NOTED.

B. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.

C. ACCOUNT FOR WORKING AROUND EXISTING SERVICES

D. ALL STRUCTURAL ELEMENTS TO REMAIN, UNLESS NOTED OTHERWISE.

E. PATCH, REPAIR AND REFINISH ALL DAMAGED WALL SURFACES ACCOUNT FOR WORKING AROUND EXISTING SERVICES.

F. ALLOW EXTERIOR AND INTERIOR WALL SURFACE TO DRY AT LEAST 72 HOURS BEFORE APPLYING BASE PRIMER AND PAINT.

G. CONTRACTOR SHALL REMOVE ALL DEBRIS AND DEMOLITION MATERIALS FROM SHERIDAN COLLEGE CAMPUS AND SHALL PROPERLY DISPOSE OF THEM IN ACCORDANCE WITH THE AUTHORITIES HAVING JURISDICTION.

GENERAL FLOOR PATTERN PLAN NOTES:

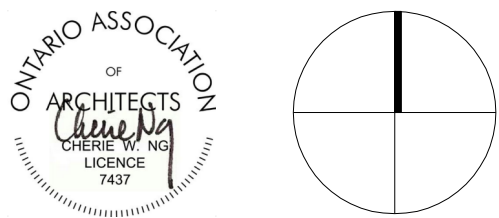
A. ADD LEVELING COMPOUND AND PREPARE FOR NEW FLOOR FINISHES AND SLOPE FLOOR TO DRAIN WHEN REQUIRED. PATCH HOLES, GRIND DOWN PROTRUSIONS.

B. COORDINATE WITH CONSULTANT FINAL LOCATION FOR ALL NEW FLOOR DRAINS AND MECHANICAL ACCESS PANELS. ENSURE TO PROVIDE POSITIVE DRAINAGE.

C. CUT EXISTING CONCRETE FLOOR AS REQUIRED FOR NEW PLUMBING CONNECTIONS. REFER TO MECH DWGS FOR DETAILS. PROVIDE SLAB ON GRADE CONCRETE, SLOPE FINISH CONCRETE TO DRAIN AS REQ'D. PREP CONCRETE FOR NEW FLOORING AS REQ'D. (TYP.)

D. PROVIDE 2% MINIMUM SLOPE TO DRAIN IN ALL ROOMS.

ISSUED FOR ARCHITECTURAL NOT	26 AUGUST 2025
ISSUED FOR PERMIT AND TENDER	26 AUGUST 2025
REQUIRED FOR 60% CLIENT'S REVIEW	11 JULY 2025
ISSUED FOR 60% CLIENT'S REVIEW	2 JUNE 2025
ISSUED FOR 60% CLIENT'S REVIEW	23 MAY 2025
revision	date



SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION

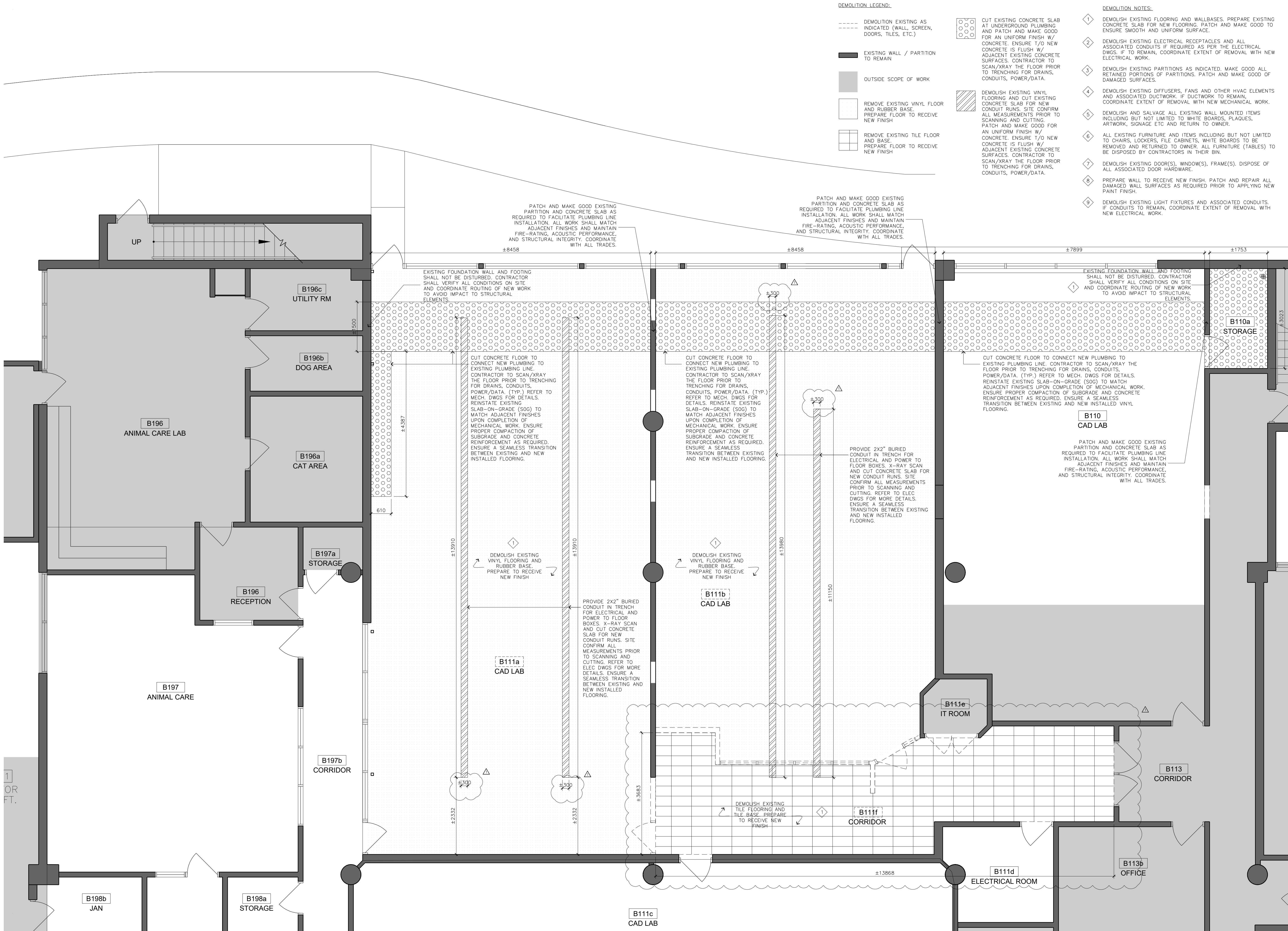
Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON

GROUND FLOOR -
DEMOLITION FLOOR
FINISH PLAN

project no.: 2512
scale: 1:50
date: JUNE 2025

drawing no.:

A2.2



general notes:

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FLOOR PLAN LEGEND:

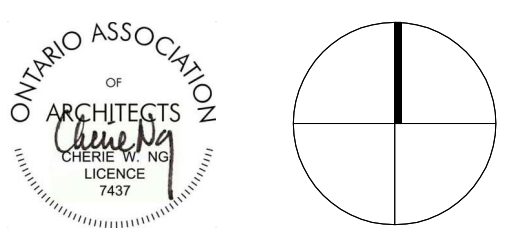
- EXISTING WALL/PARTITION TO REMAIN
OUTSIDE SCOPE OF WORK

GENERAL FLOOR PLAN NOTES:

- A. PATCH AND MAKE GOOD OF ALL MATERIALS AND SURFACES.
B. ALL FURNITURE IS SUPPLIED AND INSTALLED BY OWNER. FURNITURE (N.I.C.) FURNITURE ON THIS DWG IS FOR ELECTRICAL COORDINATION ONLY.
C. CLEARLY CUT AND DEMO EXISTING WALLS AND PATCH AND MAKE GOOD OF ALL REMAINING WALLS FOR A SMOOTH UNIFORM FINISH. PROVIDE FULL SIZE CONCRETE BLOCKS' INSERTS FOR AN UNIFORM WALL FINISH.
D. PATCH ALL HOLES AT CEILING WITH MATCHING ADJACENT MATERIAL.
E. PAINT ALL PREVIOUSLY PAINTED SURFACES. TYPICAL FOR ALL INTERIOR AND EXTERIOR SURFACE. ALLOW FOR 6 PAINT COLOURS (4 DARK COLOURS AND 2 LIGHT COLOURS)



revision	description	date
001	ISSUED FOR ARCHITECTURAL REVIEW	26 AUGUST 2025
002	ISSUED FOR PERMIT AND TENDER	26 AUGUST 2025
003	ISSUED FOR 90% CLIENTS REVIEW	11 JULY 2025
004	ISSUED FOR 90% CLIENTS REVIEW	12 JUNE 2025
005	ISSUED FOR 90% CLIENTS REVIEW	23 MAY 2025



SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION

Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON

GROUND FLOOR -
PROPOSED PLAN /
INTERIOR ELEVATIONS

project no.: 2512
scale: 1" = 5'
date: JUNE 2025

drawing no.:

A2.3

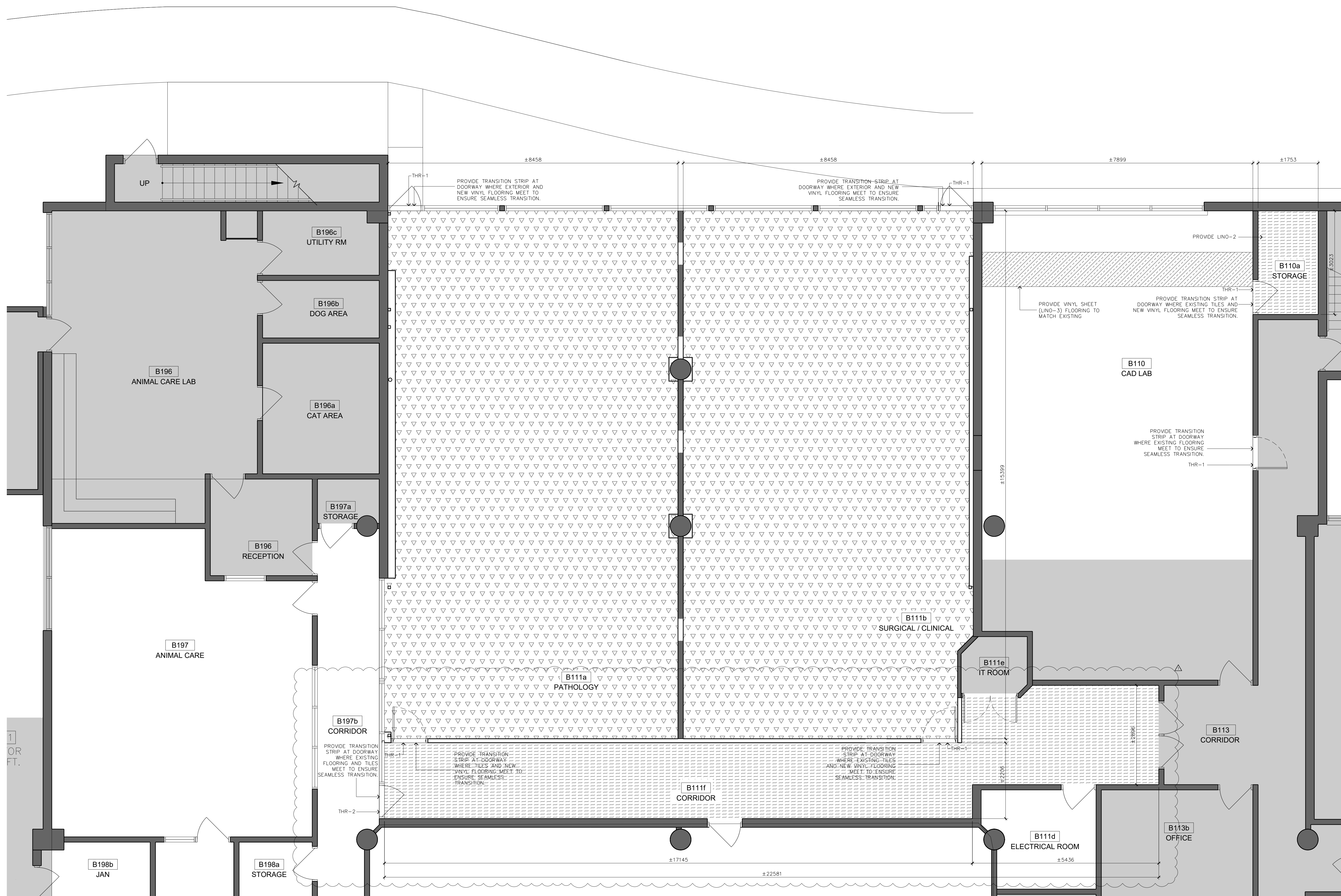
PREP BASE FLOOR AND PROVIDE LINO-1 SHEET FLOORING WITH COVE BASE. MAKE GOOD OF SURFACE TO ENSURE SMOOTH AND UNIFORM FINISH OF SHEET FLOORING.

PROVIDE LINO-2

A. ADD LEVELING COMPOUND AND PREPARE FOR NEW FLOOR FINISHES AND SLOPE FLOOR TO DRAIN WHEN REQUIRED. PATCH HOLES, GRIND DOWN PROTRUSIONS.

B. ENSURE EXISTING CONCRETE SUBSTRATE TO BE CLEAN, LEVEL PRIOR TO INSTALLATION OF NEW FLOORING. PATCH AND MAKE GOOD OF EXISTING SUBSTRATE FOR SMOOTH AND UNIFORM SURFACE. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR MORE DETAILS.

C. PATCH AND MAKE GOOD OF EXISTING WALL BASES AS REQ'D.

1
FOR
ET.

ISSUED FOR ADDENDUM NO.3	25 AUGUST 2
ISSUED FOR PERMIT AND TENDER	08 AUGUST 2
REISSUED FOR 90% CLIENTS REVIEW	11 JULY 2
ISSUED FOR 90% CLIENTS REVIEW	12 JUNE 2
ISSUED FOR 60% CLIENTS REVIEW	23 MAY 2
revision	d



ONTARIO ASSOCIATION
OF
ARCHITECTS
CHERIE W. NG
LICENCE
7437

A circle with a vertical line through its center.

**SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION**

Address: 7899 MCLAUGHLIN RD, BRAMPTON

**GROUND FLOOR -
PROPOSED FLOOR
FINISH PLAN**

project no. : 2512
scale : 1 : 50
date : JUNE 2025

drawing no. :

general notes :

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DEMOLITION REFLECTED CEILING PLAN LEGEND:

- EXISTING WALL/PARTITION TO REMAIN
DEMOLITION LINE
OUTSIDE SCOPE OF WORK

GENERAL REFLECTED CEILING NOTES:

A. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE OF WORK.

B. PROVIDE INTERIOR TOUCH UP PAINT AS REQ'D AT ALL NEW LIGHTING FIXTURES INSTALLATIONS. PAINT COLOUR TO MATCH WITH ADJACENT SURFACES.

C. REFER TO FINISH SCHEDULES.

D. LOCATIONS FOR ALL CEILING FIXTURES TO BE APPROVED BY CONSULTANT PRIOR TO INSTALLATION.

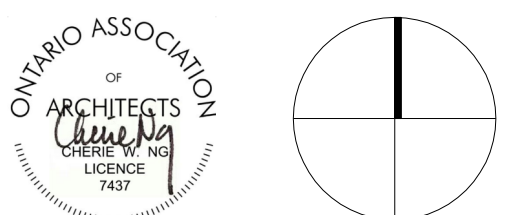
E. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES.

F. PATCH AND MAKE GOOD OF ALL EXISTING -BAR CEILING SYSTEM (GRID) TO ACHIEVE AN UNIFORM AND CONTINUOUS APPEARANCE. EXISTING CEILING GRID SYSTEM TO REMAIN. CONTRACTOR TO PROVIDE NEW CEILING GRID TO MATCH EXISTING IF DAMAGED DURING THE COURSE OF CONSTRUCTION.

REFLECTED CEILING PLAN LEGEND:

- DEMOLISH LED CEILING LIGHT FIXTURE (SEE ELEC. FOR DETAILS)
EXISTING LED CEILING LIGHT FIXTURE TO REMAIN (SEE ELEC. FOR DETAILS)
DEMOLISH RECESSED CEILING LIGHT FIXTURE (SEE ELEC. FOR DETAILS)
DEMOLISH SUPPLY AIR DIFFUSER (SEE MECH. FOR DETAILS)
EXISTING SUPPLY AIR DIFFUSER TO REMAIN (SEE MECH. FOR DETAILS)
DEMOLISH RETURN AIR DIFFUSER (SEE MECH. FOR DETAILS)
EXISTING RETURN AIR DIFFUSER TO REMAIN (SEE MECH. FOR DETAILS)
OWNER (SHERIDAN IT) TO DEMOLISH CAMERA (SEE ELEC. FOR DETAILS)
DEMOLISH SPEAKERS (SEE ELEC. FOR DETAILS)
DEMOLISH PROJECTOR (SEE ELEC. FOR DETAILS)
EXISTING MICROPHONE TRANSMITTERS TO RELOCATE (SEE ELEC. FOR DETAILS)
EXISTING WALL OR CEILING EMERGENCY LIGHT (SEE ELEC. FOR DETAILS)
RELOCATE WAP CEILING MOUNT CEILING (SEE ELEC. FOR DETAILS)

ISSUED FOR ARCHITECTURAL REVIEW	26 AUGUST 2025
ISSUED FOR PERMIT AND TENDER	26 AUGUST 2025
REQUIRED FOR 90% CLIENT'S REVIEW	11 JULY 2025
ISSUED FOR 90% CLIENT'S REVIEW	12 JUNE 2025
ISSUED FOR 90% CLIENT'S REVIEW	23 MAY 2025
revision	date



SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION

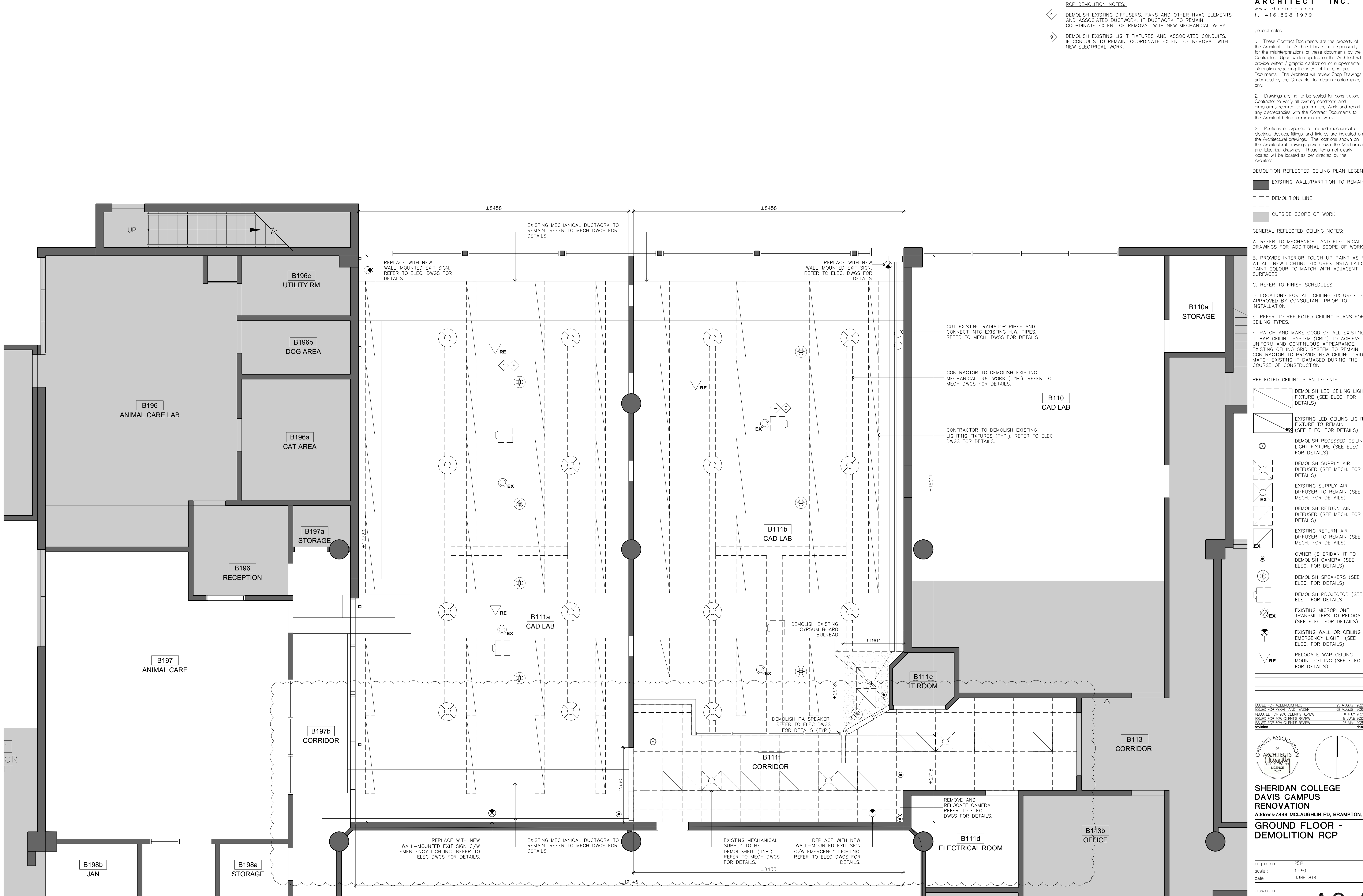
Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON

GROUND FLOOR -
DEMOLITION RCP

project no. : 2512
scale : 1 : 50
date : JUNE 2025

drawing no. :

A3.1



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REFLECTED CEILING PLAN LEGEND:

- EXISTING WALL/PARTITION TO REMAIN
- PROPOSED PARTITION
- OUTSIDE SCOPE OF WORK

GENERAL REFLECTED CEILING NOTES:

A. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE OF WORK.

B. PROVIDE INTERIOR TOUCH UP PAINT AS REQ'D AT ALL NEW LIGHTING FIXTURES INSTALLATIONS. PAINT COLOUR TO MATCH WITH ADJACENT SURFACES.

C. REFER TO FINISH SCHEDULES.

D. LOCATIONS FOR ALL CEILING FIXTURES TO BE APPROVED BY CONSULTANT PRIOR TO INSTALLATION.

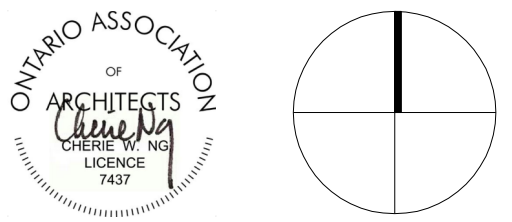
E. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES.

F. PATCH AND MAKE GOOD OF ALL EXISTING T-BAR CEILING SYSTEM (GRID) TO ACHIEVE AN UNIFORM AND CONTINUOUS APPEARANCE. EXISTING CEILING GRID SYSTEM TO REMAIN. CONTRACTOR TO PROVIDE NEW CEILING GRID TO MATCH EXISTING IF DAMAGED DURING THE COURSE OF CONSTRUCTION.

REFLECTED CEILING PLAN LEGEND:

- PROPOSED LED CEILING LIGHT FIXTURE (SEE ELEC. FOR DETAILS)
- EXISTING LED CEILING LIGHT FIXTURE TO REMAIN (SEE ELEC. FOR DETAILS)
- PROPOSED SUPPLY AIR DIFFUSER (SEE MECH. FOR DETAILS)
- EXISTING SUPPLY AIR DIFFUSER TO REMAIN (SEE MECH. FOR DETAILS)
- PROPOSED EXHAUST DIFFUSER (SEE MECH. FOR DETAILS)
- EXISTING EXHAUST DIFFUSER TO REMAIN (SEE MECH. FOR DETAILS)
- PROPOSED RETURN AIR DIFFUSER (SEE MECH. FOR DETAILS)
- PROPOSED CAMERA (SEE ELEC. FOR DETAILS)
- PROPOSED SPEAKERS (SEE ELEC. FOR DETAILS)
- EXISTING MICROPHONE TRANSMITTERS TO REMAIN (SEE ELEC. FOR DETAILS)
- EXISTING WALL OR CEILING EMERGENCY LIGHT (SEE ELEC. FOR DETAILS)
- PROPOSED SMOKE DETECTOR (SEE ELEC. FOR DETAILS)
- CEILING RADIANT PANEL (SEE MECH. FOR DETAILS)
- PROPOSED WAP CEILING MOUNT (SEE ELEC. FOR DETAILS)

ISSUED FOR ARCHITECTURAL REVIEW	26 AUGUST 2025
ISSUED FOR PERMIT AND TENDER	26 AUGUST 2025
ISSUED FOR 90% CLIENTS REVIEW	11 JULY 2025
ISSUED FOR 90% CLIENTS REVIEW	2 JUNE 2025
ISSUED FOR 90% CLIENTS REVIEW	23 MAY 2025
revision	date



SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION

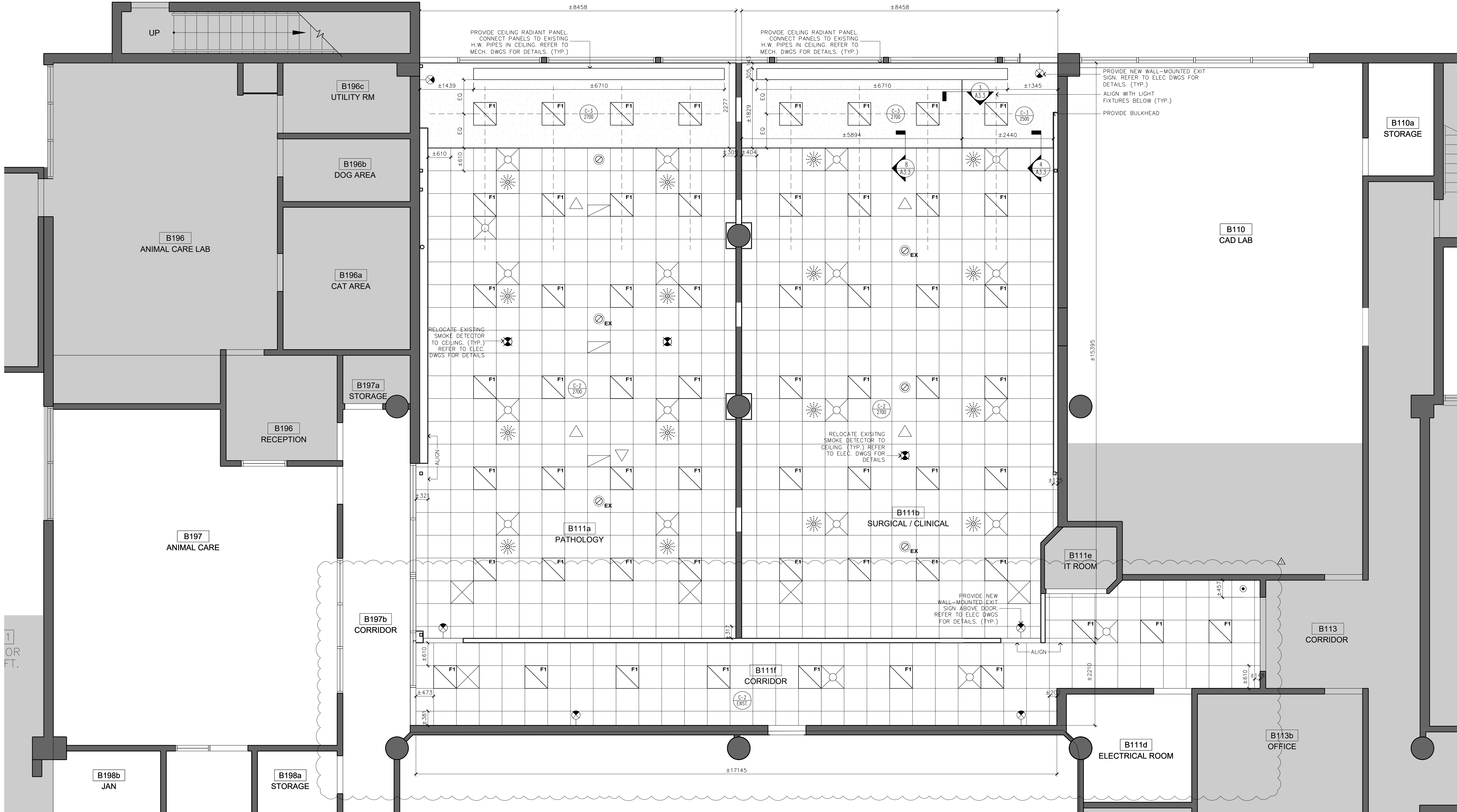
Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON

GROUND FLOOR -
PROPOSED RCP

project no. : 2512
scale : 1 : 50
date : JUNE 2025

drawing no. :

A3.2

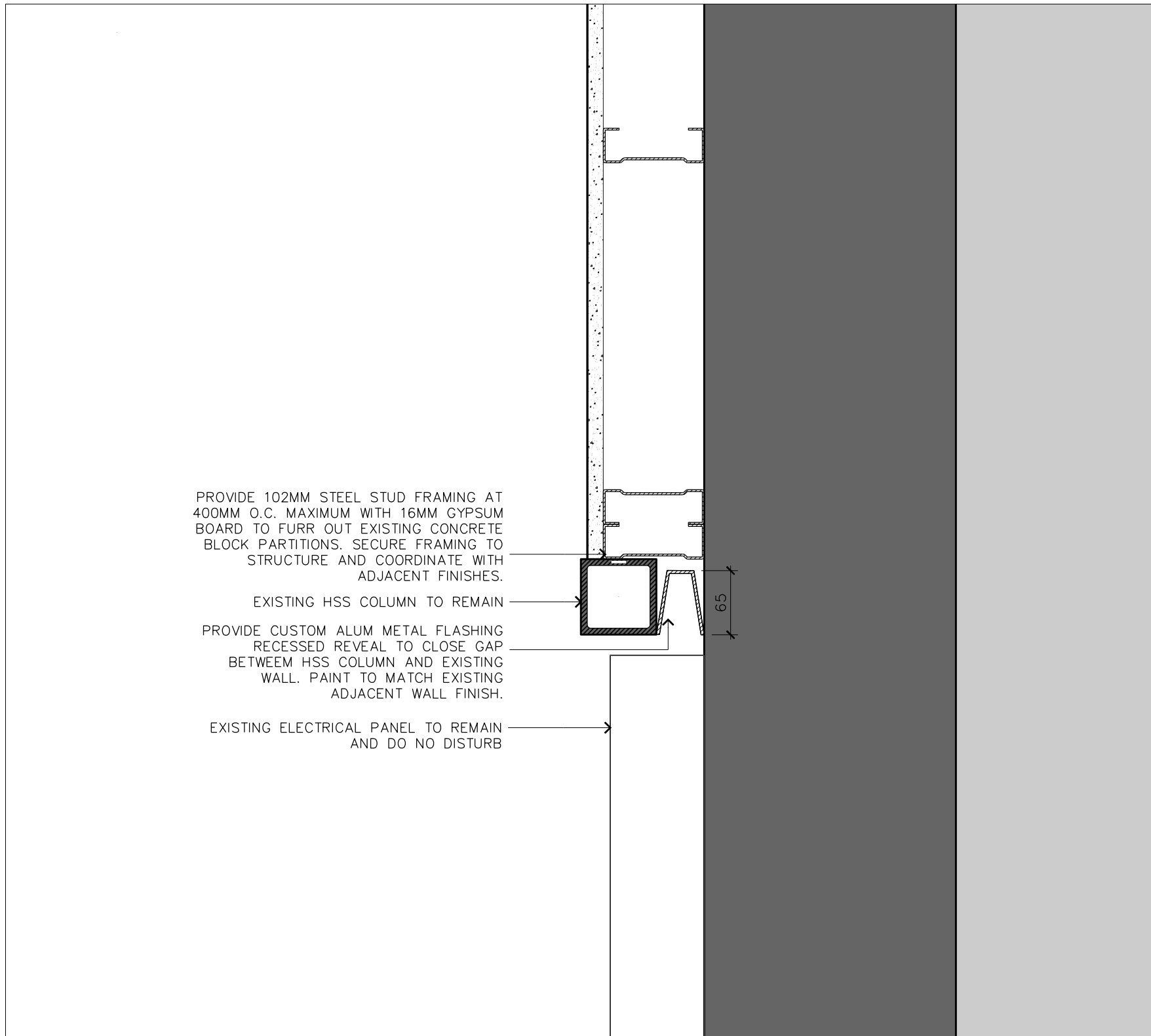


general notes :

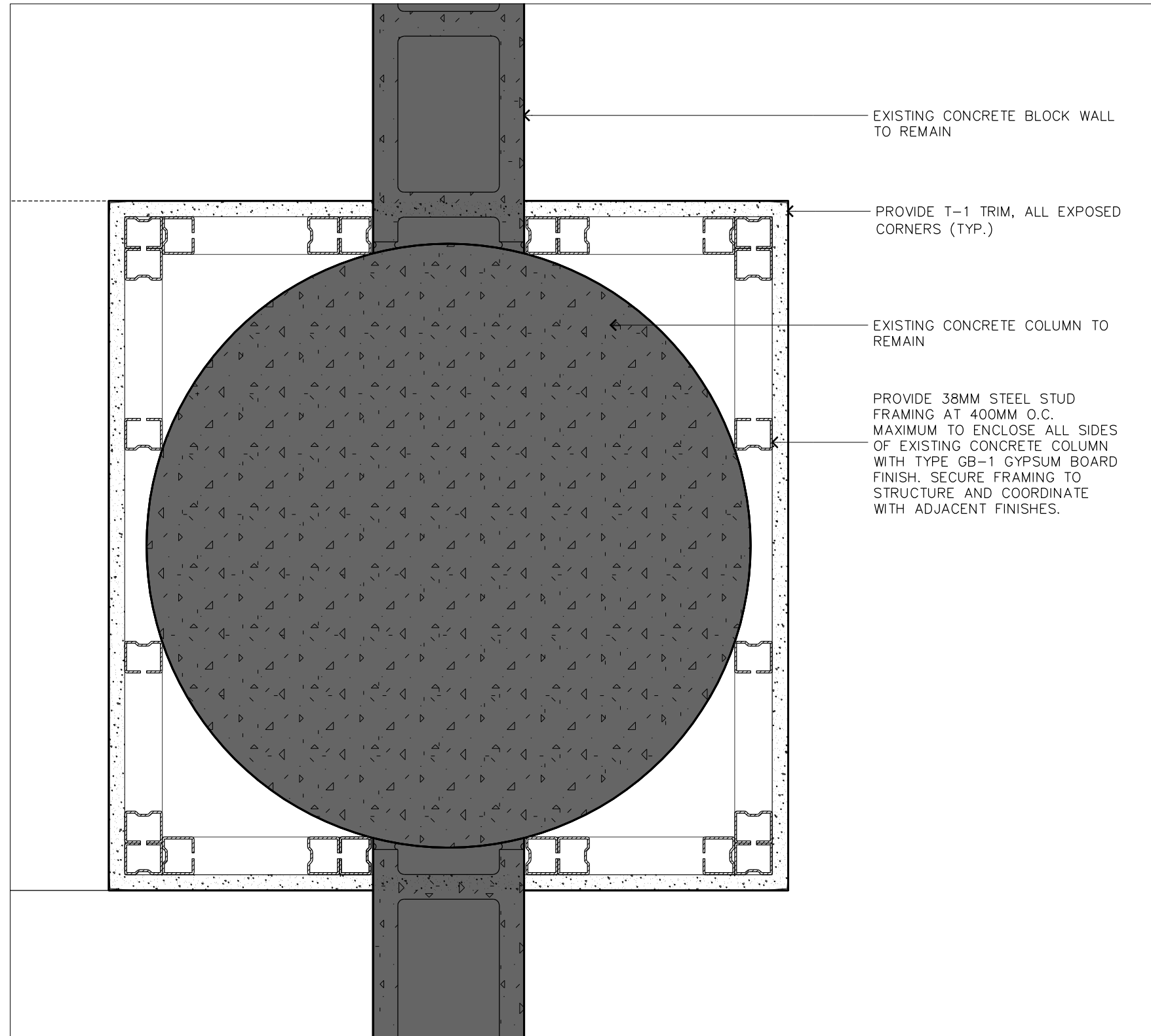
- These Contract Documents are the property of the Architect. The Architect bears no responsibility for the misinterpretations of these documents by the Contractor. Upon written application the Architect will provide written / graphic clarification or supplemental information regarding the intent of the Contract Documents. The Architect will review Shop Drawings submitted by the Contractor for design conformance only.
- Drawings are not to be scaled for construction. Contractor to verify all existing conditions and dimensions required to perform the Work and report any discrepancies with the Contract Documents to the Architect before commencing work.
- Positions of exposed or finished mechanical or electrical devices, fittings, and fixtures are indicated on the Architectural drawings. The locations shown on the Architectural drawings govern over the Mechanical and Electrical drawings. Those items not clearly located will be located as per directed by the Architect.

FLOOR PLAN LEGEND:

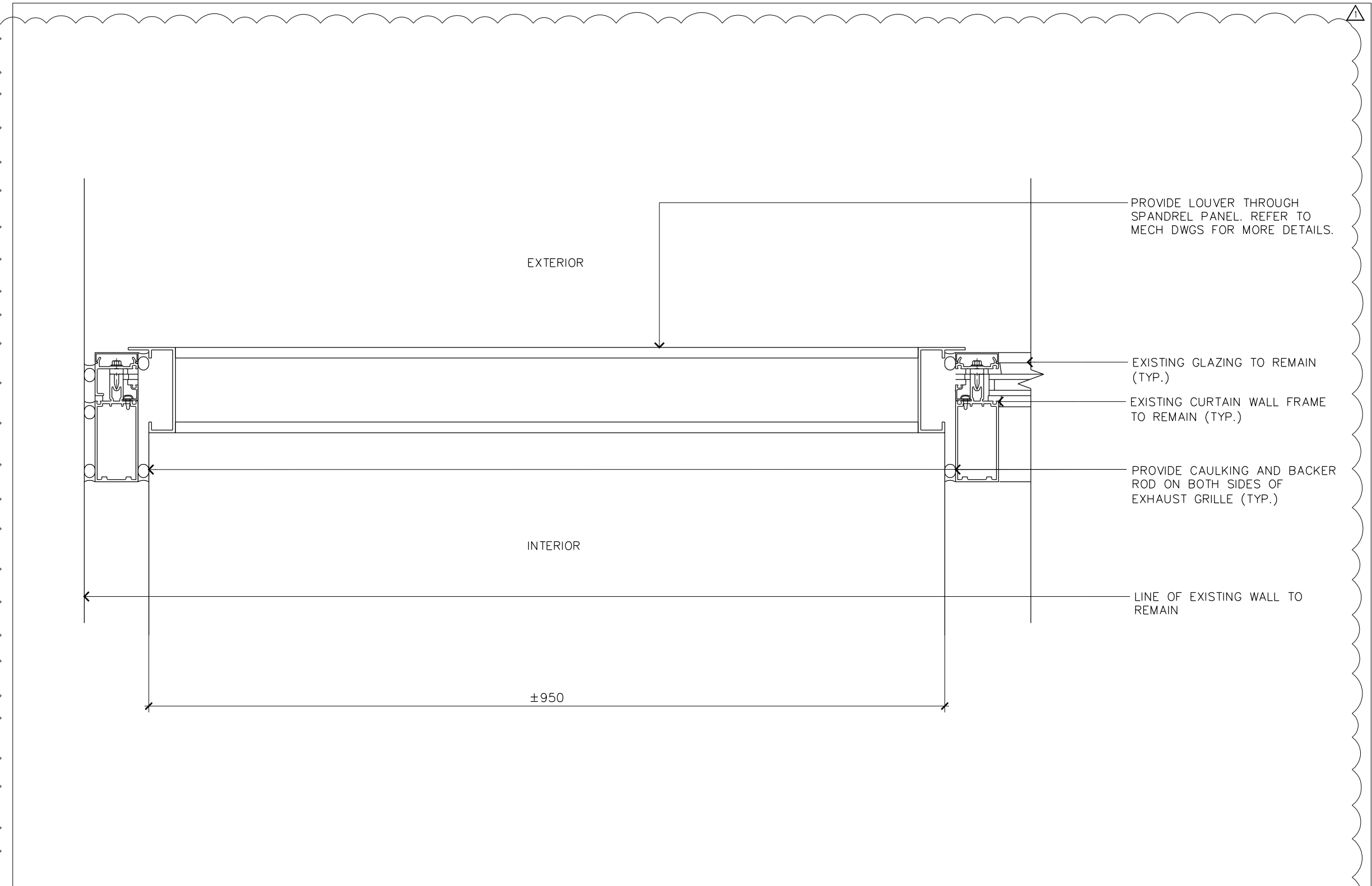
- EXISTING WALL/PARTITION TO REMAIN
- OUTSIDE SCOPE OF WORK



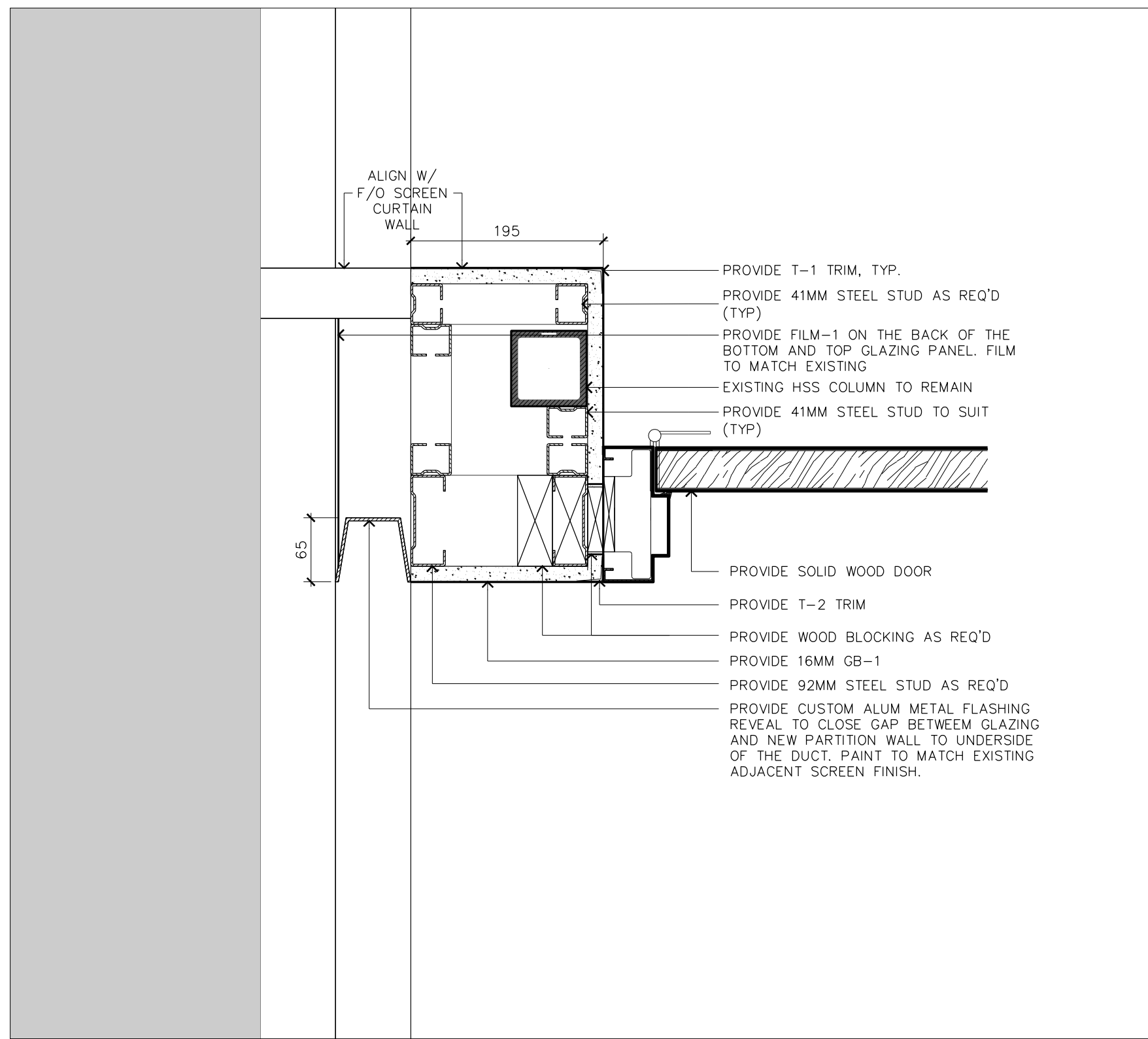
5 PLAN DETAIL - NEW PARTITION TO HSS
A6.1 1:5



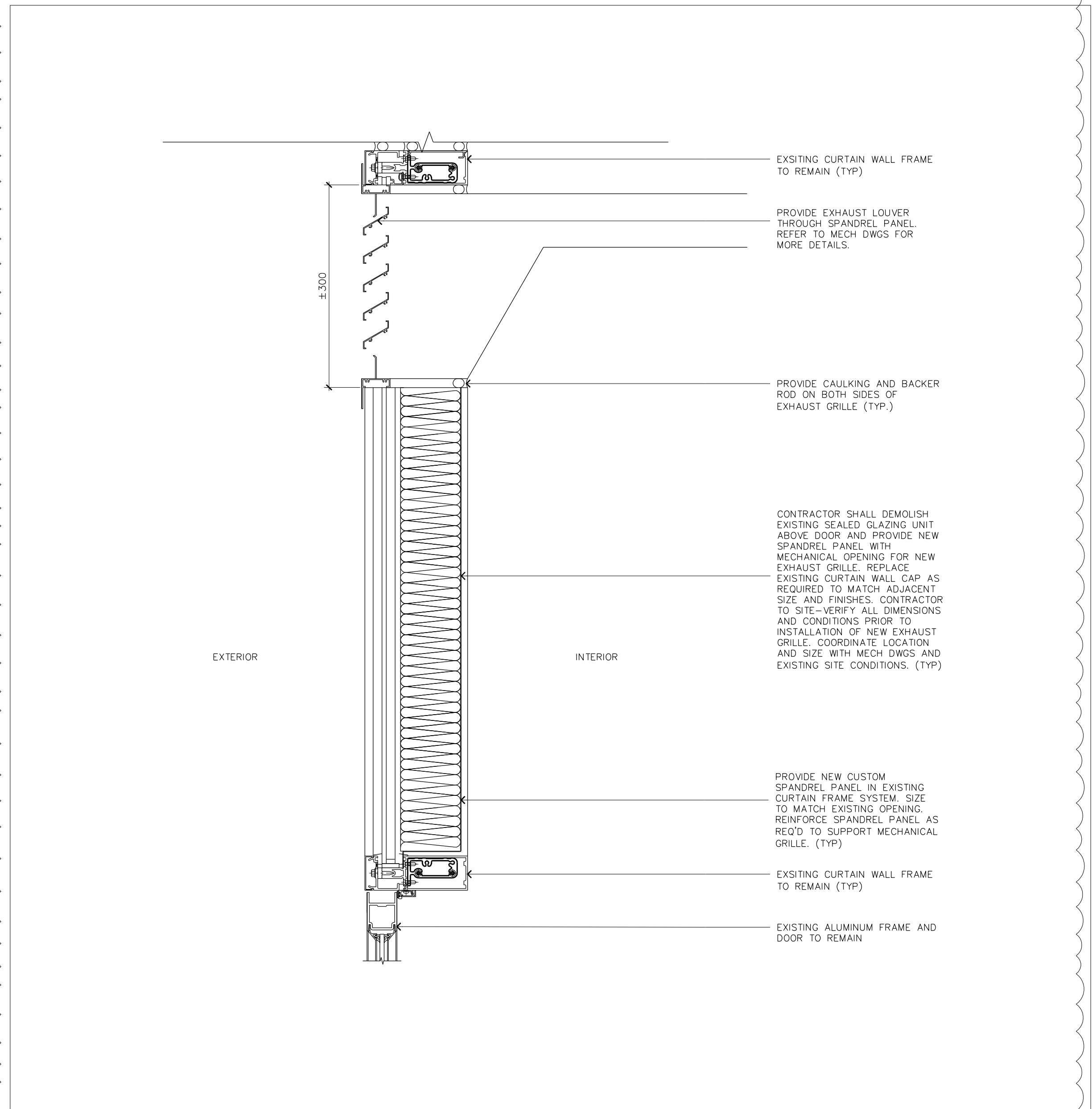
3 PLAN DETAIL - CONCRETE COLUMN FUR OUT
A6.1 1:5



1 PLAN DETAIL - DUCT PENETRATING THROUGH SPANDREL
A6.1 1:5



4 PLAN DETAIL - NEW PARTITION TO GLAZING DETAIL
A6.1 1:5



2 SECTION DETAIL - DUCT PENETRATING THROUGH SPANDREL
A6.1 1:5

ISSUED FOR ADDENDUM NO.3	25 AUGUST 2025
ISSUED FOR PERMIT AND TENDER	08 AUGUST 2025
REVISION FOR 30% CLIENT'S REVIEW	11 JULY 2025
ISSUED FOR 30% CLIENT'S REVIEW	12 JUNE 2025
revision	date



SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION
Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON
DETAILS

project no. : 2512
scale : 1:5
date : JUNE 2025

drawing no. :

A6.1