



general notes :

1. 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.

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 TYPES NOTES

GENERAL TYPE'S NOTES:

A. ALL STEEL STUDS, FURRING AND RESILIENT CHANNELS TO BE GALVANIZED.

B. PROVIDE THRESHOLDS AT ALL FLOOR FINISH TRANSITIONS TO ENSURE FLOOR FINISHES ARE EQUAL.

ROOM FINISH SCHEDULE

ROOM NO.	LOCATION	FLOOR MAT'L	BASE TYPE	WALLS N	E	S	W	CEILING	REMARKS
B111a	PATHOLOGY	LINO-1	B-1/ B-2	PT	PT	PT	PT	C-2 / C-3	
B111b	SURGICAL/CLINICAL	LINO-1	B-2	PT	PT	PT	PT	C-2 / C-3	
B111f	CORRIDOR	EXIST./POR-1	B-3	PT	PT	PT	PT	C-2	
B110	CAD LAB	EXIST.	EXIST.						MATCH FLOORING AND BASE TO EXISTING
B110a	STORAGE	EXIST.	EXIST.						MATCH FLOORING AND BASE TO EXISTING

ROOM FINISH SCHEDULE GENERAL NOTES:

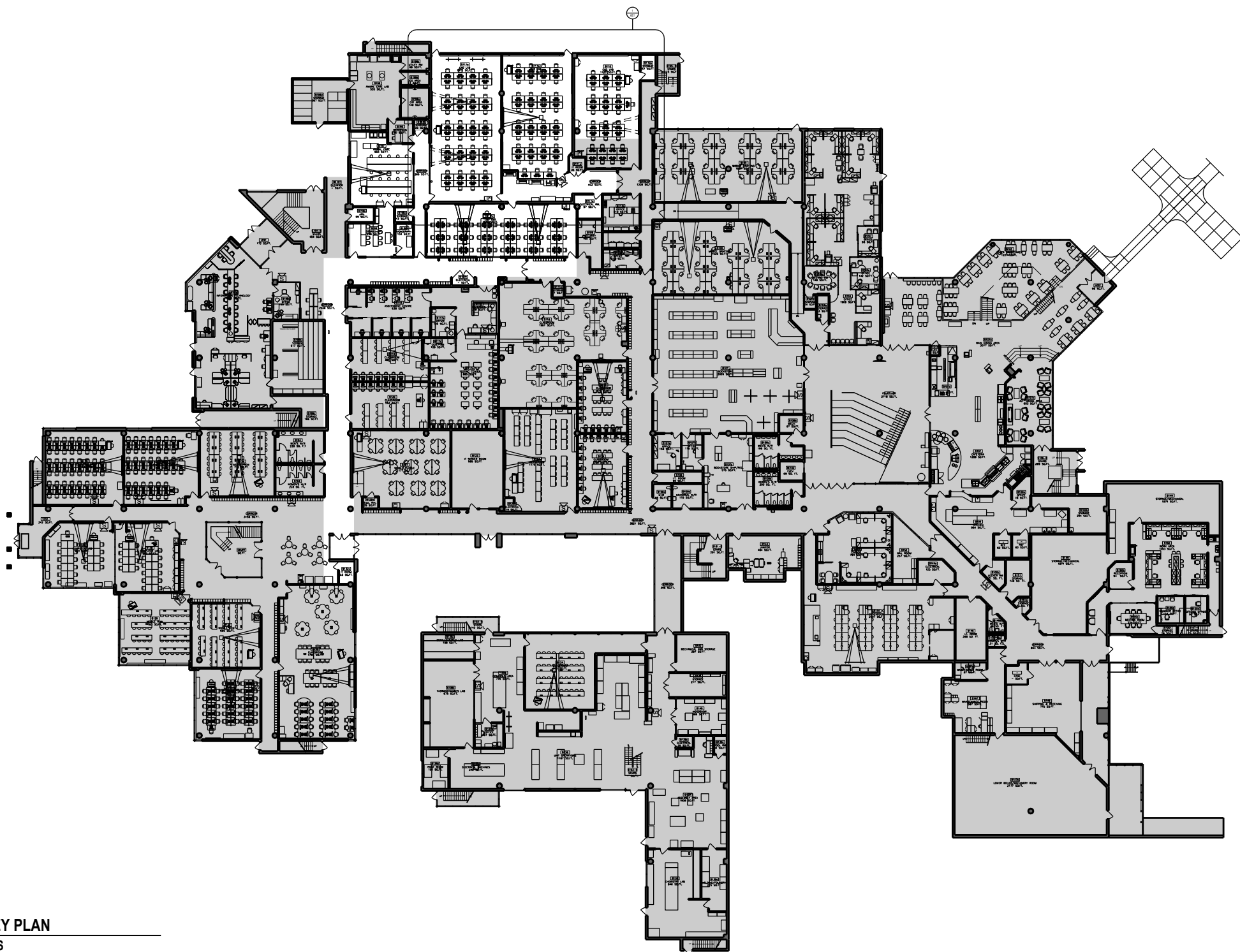
- PATCH AND MAKE GOOD OF ALL EXISTING CEILING SYSTEM TO ACHIEVE A UNIFORM AND CONTINUOUS APPEARANCE.
- PATCH AND MAKE GOOD OF ALL EXISTING WALLS AND FRAME SURFACES.
- PATCH AND MAKE GOOD OF ALL EXISTING SURFACES AS REQ'D. TO ACHIEVE A UNIFORM AND CONTINUOUS APPEARANCE.
- PROVIDE B-2 BASE TO BE USED AT ALL EXISTING AND NEW WALLS THROUGHOUT WORK, EXCEPT WHERE NOTED.
- PAINT ALL REMAINING PREVIOUSLY PAINTED WALLS AND DOORS AND FRAMES.
- PAINT ALL OF BULKHEAD, HORIZONTAL AND VERTICAL GYPSUM AND CONCRETE SURFACES.
- PROVIDE DEEP CLEANING TO ALL NEW CARPET AND AREA RUG.
- VERIFY THE CONDITIONS OF ALL SURFACES PRIOR TO PAINTING.
- PAINT BOTH SIDES OF ALL DOOR AND WINDOW FRAME SURFACES.
- ENSURE ALL PAINTED SURFACES ARE FREE OF DUST AND DEBRIS PRIOR TO PAINTING.
- PROTECT ALL ADJACENT SURFACES FROM PAINT SPLATTERS AND DRIPS.
- USE ONLY APPROVED PAINT MATERIALS AND COLOURS AS SPECIFIED.
- PAINT ALL PREVIOUSLY PAINTED SURFACES TO MAINTAIN CONSISTENCY AND COVERAGE.
- DO NOT PAINT ANY FIRE ALARMS OR LIFE SAFETY DEVICES.
- DO NOT PAINT ON NATURAL WOOD TEXTURE AREA.
- DO NOT PAINT ANY SCREWED-ON DEVICES.
- DO NOT PAINT MILLWORK UNLESS OTHERWISE NOTED.
- DO NOT PAINT ON OUTLETS AND COVER AD. BUTTONS.
- REMOVE, SALVAGE, STORE AND REINSTALL ALL SIGNS AFTER PAINTING.
- REMOVE, SALVAGE, STORE AND REINSTALL ALL WALL-MOUNTED BULLETIN BOARDS AFTER PAINTING.
- REMOVE, SALVAGE, STORE AND REINSTALL ALL WALL-MOUNTED ITEMS SUCH AS SIGNAGE THAT ARE LESS THAN 12FT X 12FT AFTER PAINTING.
- PROVIDE PROPER VENTILATION IN AREAS BEING PAINTED TO ENSURE SAFETY.
- MAINTAIN A CLEAN AND ORGANIZED WORK AREA THROUGHOUT CONSTRUCTION.
- CLEAN AND DISPOSE OF ALL PAINTING MATERIALS AND WASTE ACCORDING TO ENVIRONMENTAL REGULATIONS.
- PROVIDE TOUCH-UP PAINT FOR FUTURE USE BY THE OWNER.
- REMOVE ALL PAINTING EQUIPMENT AND MATERIALS FROM THE SITE UPON COMPLETION.
- CONDUCT A FINAL INSPECTIONS WITH THE PROJECT MANAGER TO ENSURE THE WORK MEETS QUALITY STANDARDS AS PER THE SPECIFICATIONS.
- ENSURE ALL WORK IS PERFORMED BY QUALIFIED AND EXPERIENCED PERSONNEL.
- REMOVE, SALVAGE, STORE AND REINSTALL ALL SIGNS AFTER PAINTING.
- KEEP CORRIDORS AND COMMON AREAS CLEAN. THIS BUILDING WILL REMAIN OCCUPIED AND FULLY OPERATIONAL FOR THE DURATION OF THIS PROJECT.
- THE CONTRACTOR IS TO INCLUDE THE REMOVAL AND REINSTALLATION OF WALL-MOUNTED ITEMS AS REQUIRED TO COMPLETE THIS FULL SCOPE OF WORK.
- MECHANICAL AND ELECTRICAL DEVICES SUCH AS LIGHTING ARE NOT INDICATED ON THE DRAWINGS. CONTRACTOR SHALL CUT-IN AROUND ALL EXISTING LIGHT FIXTURES IN A MANNER SO THAT PAINT LINES ARE NOT VISIBLE.
- REMOVE, DISCONNECT, STORE AND REINSTALL ALL ELECTRICAL DEVICES SUCH AS TVs, POS SYSTEM, COMPUTERS, PHOTOCOPIERS, ETC.
- CONTRACTOR TO REMOVE EXISTING SEALANTS AND PROVIDE NEW SEALANTS AT ALL MATERIAL JUNCTIONS. ENSURE THAT ALL JUNCTIONS ARE PROPERLY CLEANED AND PREPARED BEFORE APPLYING NEW SEALANTS. VERIFY THAT ALL SEALANT MATERIALS ARE COMPATIBLE WITH ADJACENT SURFACES AND MEET PROJECT REQUIREMENTS, IN ACCORDANCE WITH SECTION 07 91 00.
- CONTRACTOR SHALL PAINT ALL EXPOSED MECHANICAL DUCTWORK TO MATCH THE ADJACENT SURFACES, UNLESS OTHERWISE NOTED ON THE DRAWING OR ROOM FINISHING SCHEDULE.
- CONTRACTOR SHALL PAINT ALL PREVIOUSLY PAINTED RADIATORS TO MATCH THE ADJACENT SURFACES, UNLESS OTHERWISE NOTED ON THE DRAWING OR ROOM FINISHING SCHEDULE.

DOOR SCHEDULE

DOOR NO.	ROOM NO.	DOOR WIDTH	HEIGHT	THICK	MAT'L	FINISH	TYPE	FRAME MAT'L	FINISH	LVR. TYRE	REMARKS
DB111a	B111a	965MM	2133MM	45MM	WD-1/GL-1	PT	D-1	HMF-1	PT	LEVER	AUTOMATIC DOOR OPERATOR TO OPEN/EXITING DEVICE/CARD READER/DOOR SWEEP
DB111b	B111b	965MM	2133MM	45MM	WD-1/GL-1	PT	D-1	HMF-1	PT	LEVER	AUTOMATIC DOOR OPERATOR TO OPEN/EXITING DEVICE/CARD READER/DOOR SWEEP
DB111e	B111e	1549MM	EXIST.	45MM	WD-1	PT	D-2	HMF-1	PT	LEVER	PROVIDE NEW DOOR AND FRAME TO MATCH EXISTING WITH NEW CARD READER
DB111f	B111f	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	RETROFIT EXISTING DOOR AND FRAME TO ADD CARD ACCESS
DB110	B110	920MM	2133MM	45MM	WD-1/GL-1	PT	D-3	HMF-1	PT	LEVER	

DOOR SCHEDULE GENERAL NOTES:

- GENERAL CONTRACTOR TO SITE CONFIRM ALL DOOR OPENING DIMENSIONS PRIOR TO DOORS AND FRAME FABRICATION.
- ALL SECURITY DEVICES WITHOUT LIMITATIONS SUCH AS CARD READER, DOOR CONTACTS, ELECTRIC STRIKES, ETC SHALL BE REMOVED, SALVAGED AND REINSTALLED.
- ALL NEW HOLLOW METAL FRAME AND DOOR SHALL BE G90 GALVANIZED AND FULLY WELDED CONSTRUCTION.
- ALL DOORS IN FIRE RATED ASSEMBLIES TO HAVE SELF-CLOSING DEVICES AND ASSOCIATED HARD (PANIC HARDWARE) AND PROVIDE REQUIRED RATING EVEN IF NOT NOTED IN HARDWARE OR DOOR SCHEDULE. ALL COST FOR SUPPLY AND INSTALL TO BE CARRIED.
- ALL DOOR AND FRAMES WITHIN FIRE RATED ASSEMBLY OR WALL TO BE HAVE APPROPRIATE RATING EVEN IF NOT NOTED IN DOOR OR HOWARE SCHEDULE.
- COORDINATE THROATSIZE TO WALL TYPES AND MANUFACTURERS' TOLERANCES.
- ANCHORS TO EACH JAMB TO SUIT WALL TYPE AND RECEIVE THE FRAME.
- PROVIDE ACOUSTIC SEALANT, SEAL SEALANT AND FILL FRAME AT ALL DOORS IN ACOUSTICALLY RATED WALL ASSEMBLIES.
- FOR DOOR SWINGS SEE PLAN. DOORS SHALL SWING IN DIRECTION OF EXITING.
- PATCH AND MAKE GOOD AT ALL ADJACENT SURFACES AS REQUIRED TO PROVIDE A CONTINUOUS FIRE RATING AS NOTED ON THE DRAWINGS.
- GENERAL CONTRACTOR SHALL EMPLOY ONE OR MORE AHC (ARCHITECTURAL HARDWARE CONSULTANT) WHO ARE MEMBERS IN GOOD STANDING OF THE DOOR AND HARDWARE INSTITUTE (DHI) AND WHO IS RESPONSIBLE FOR THE COMPLETE HARDWARE CONTRACT.
- ALL EXIT DOORS TO HAVE HARDWARE IN CONFORMANCE TO D.B.C EXT REQUIREMENTS GENERAL CONTRACTOR TO CO-ORDINATE INSTALLATION AND LOCATIONS WITH MAGLOCK AND DOOR AND HARDWARE MANUFACTURER.
- PROVIDE NEW HARDWARE WITHOUT LIMITATION TO THE FOLLOWING: EXITING DEVICE (PANIC BAR), LOCK SETS, CLOSERS, DOOR REINFORCEMENTS, KICKPLATES, LEVER SETS, DOOR STOPS, HINGES, STRIKES, PULLS, SMOKE SWEEP, BUMPERS, THRESHOLDS, ALL ASSOCIATED ELECTRICAL DEVICES AND ETC.
- ALL HARDWARE SHALL BE ULC-LISTED FIRE RATING FOR ALL FUNCTIONS.
- ALL HARDWARE SHALL BE HEAVY-DUTY COMMERCIAL QUALITY LOCKSETS AND LATCHSET, MORTISED TYPE AND LEVER HANDLES SHALL BE SOLID MATERIAL.
- KEY LOCK CYLINDER TO MATCH EXISTING BASE BUILDING. PROVIDE FOUR KEYS FOR EACH LOCK CYLINDER.
- FINISH HARDWARE MATERIALS AND WORKMANSHIP SHALL CONFORM TO QUALITY STANDARD OF THE DOOR AND HARDWARE INSTITUTE (DHI).
- GENERAL CONTRACTOR RESPONSIBILITY TO COORDINATE DOORS WITH FLOOR PLANS.
- PATCH AND MAKE GOOD AT ALL ADJACENT SURFACES AS REQUIRED TO PROVIDE A CONTINUOUS 1 HOUR FIRE RATED.
- ALL HARDWARE SHALL BE ULC-LISTED FIRE RATING FOR ALL FUNCTIONS UP TO 1-HOUR DOORS ALL HARDWARE SHALL BE HEAVY-DUTY COMMERCIAL QUALITY LOCKSETS AND LATCHSET, MORTISED TYPE AND LEVER HANDLES SHALL BE SOLID MATERIAL.



ISSUED FOR PERMIT AND TENDER 08 AUGUST 2025
ISSUED FOR 90% CLIENTS REVIEW 11 JULY 2025
ISSUED FOR 90% CLIENTS REVIEW 12 JUNE 2025
ISSUED FOR 90% CLIENTS REVIEW 23 MAY 2025
revision date



SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION
Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON
LEGEND / TYPES
SCHEDULES /
KEY PLAN

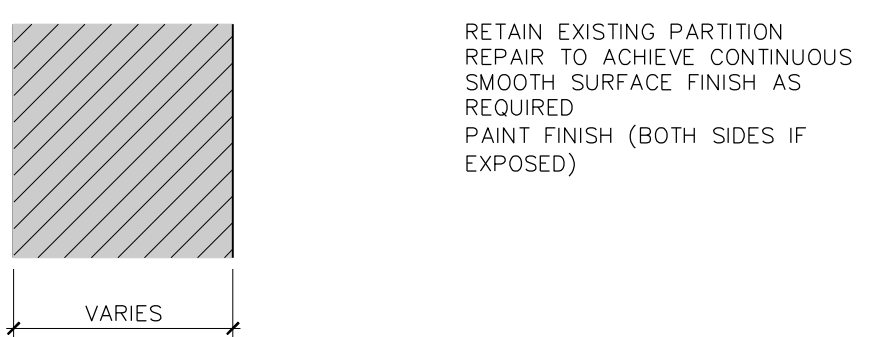
project no. : 2512
scale : AS NOTED
date : JUNE 2025

drawing no. :

A0.2

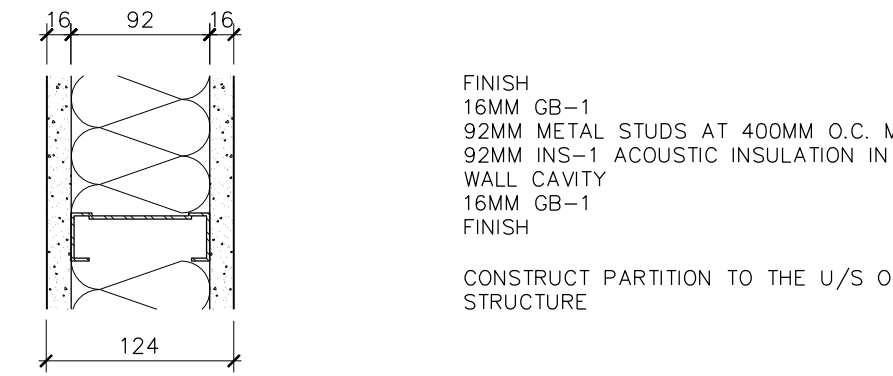
PARTITION TYPES

P-1 PARTITION



RETAIN EXISTING PARTITION
REPAIR TO ACHIEVE CONTINUOUS
SMOOTH SURFACE FINISH AS
REQUIRED
PAINT FINISH (BOTH SIDES IF
EXPOSED)

P-2 PARTITION

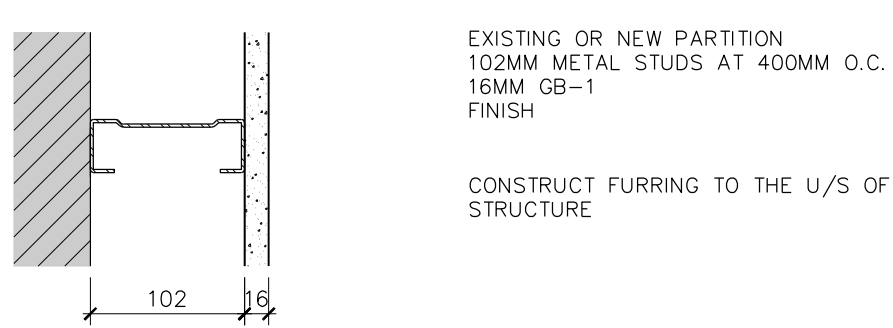


FINISH
16MM GB-1
92MM METAL STUDS AT 400MM O.C. MAX
92MM INS-1 ACOUSTIC INSULATION IN
WALL CAVITY
16MM GB-1
FINISH

CONSTRUCT PARTITION TO THE U/S OF
STRUCTURE

FURRING TYPES

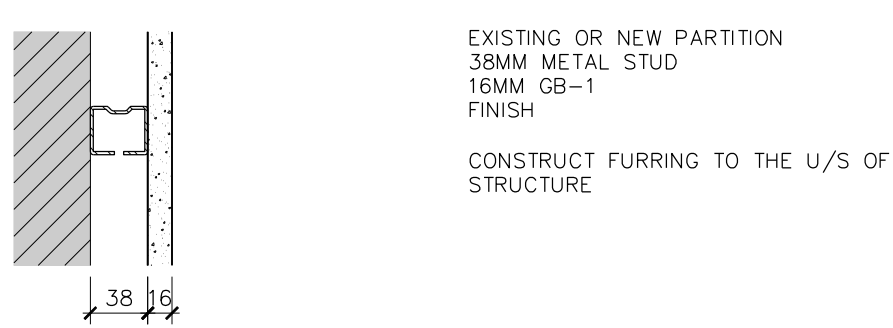
F-1 FURRING



EXISTING OR NEW PARTITION
102MM METAL STUDS AT 400MM O.C. MAX
16MM GB-1
FINISH

CONSTRUCT FURRING TO THE U/S OF
STRUCTURE

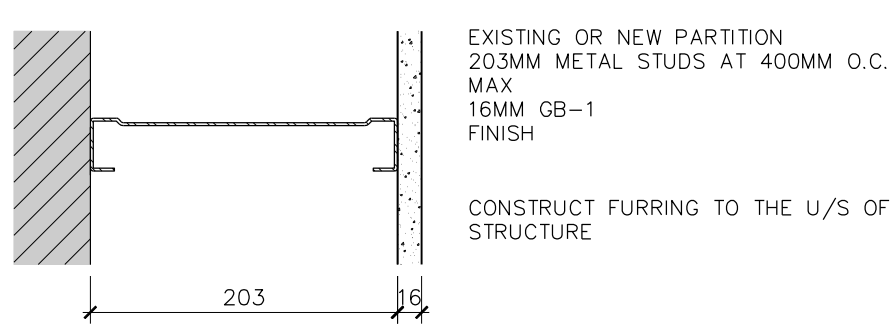
F-2 FURRING



EXISTING OR NEW PARTITION
38MM METAL STUD
16MM GB-1
FINISH

CONSTRUCT FURRING TO THE U/S OF
STRUCTURE

F-3 FURRING

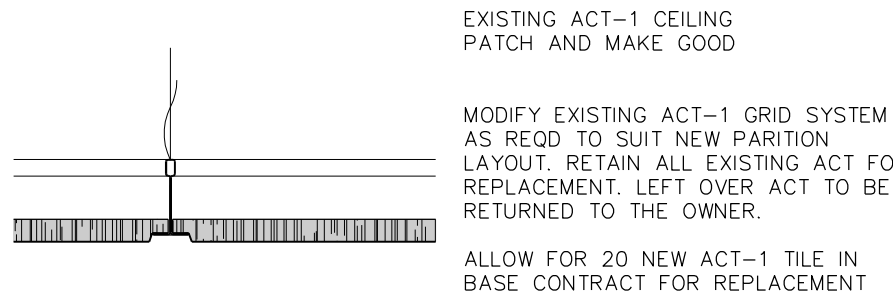


EXISTING OR NEW PARTITION
203MM METAL STUDS AT 400MM O.C.
MAX
16MM GB-1
FINISH

CONSTRUCT FURRING TO THE U/S OF
STRUCTURE

CEILING TYPES

C-1 CEILING



EXISTING ACT-1 CEILING
PATCH AND MAKE GOOD

MODIFY EXISTING ACT-1 GRID SYSTEM
AS REQ'D TO SUIT NEW PARTITION
LAYOUT. RETAIN ALL EXISTING ACT FOR
REPLACEMENT. LEFT OVER ACT TO BE
RETURNED TO THE OWNER.

ALLOW FOR 20 NEW ACT-1 TILE IN
BASE CONTRACT FOR REPLACEMENT

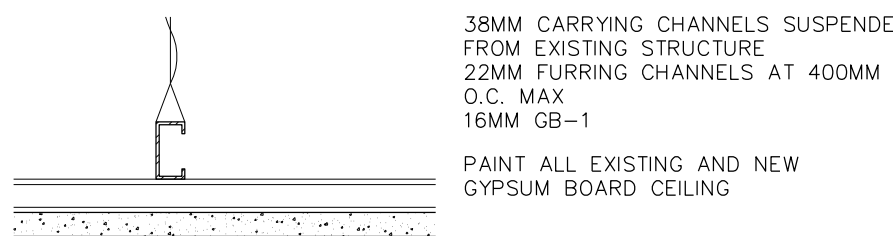
C-2 CEILING



NEW ACOUSTIC CEILING TILE (ACT-2)
ON NEW SUSPENSION GRID

NEW ACOUSTIC CEILING TILE (ACT-2)
ON NEW SUSPENSION GRID

C-3 CEILING

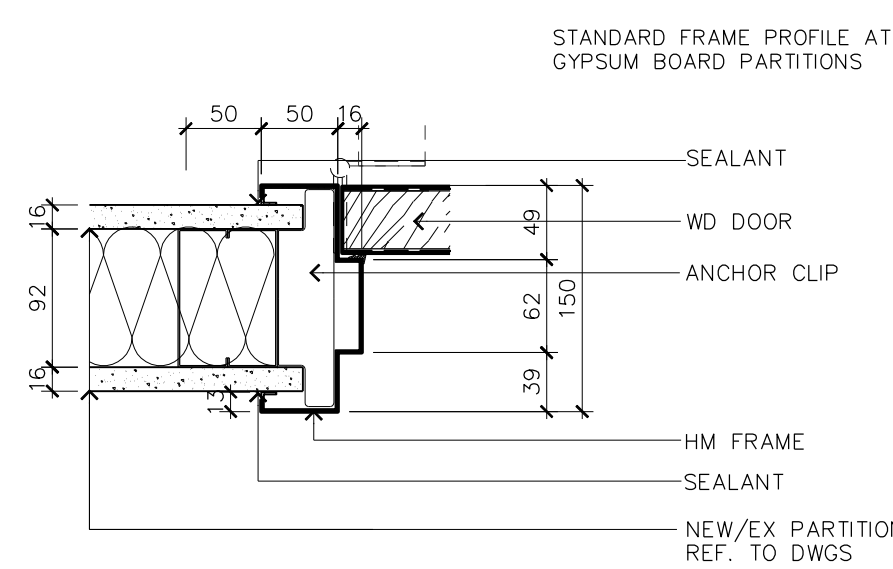


38MM CARRYING CHANNELS SUSPENDED
FROM EXISTING STRUCTURE
22MM FURRING CHANNELS AT 400MM
O.C. MAX
16MM GB-1

PAINT ALL EXISTING AND NEW
GYPSUM BOARD CEILING

HOLLOW METAL FRAME TYPES

HMF-1 FRAME (JAMB AND HEAD)



STANDARD FRAME PROFILE AT
GYPSUM BOARD PARTITIONS

SEALANT

WD DOOR

ANCHOR CLIP

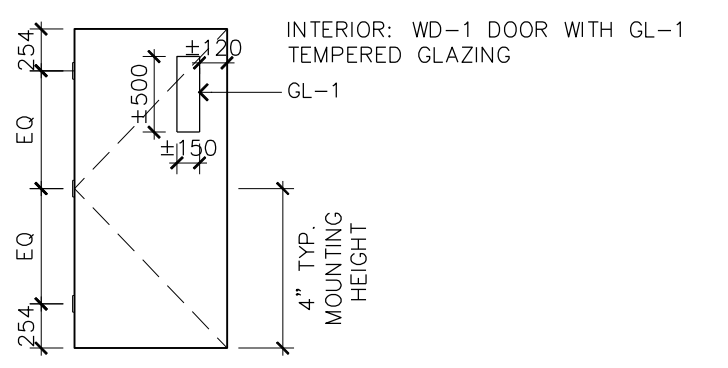
HM FRAME

SEALANT

NEW/EX PARTITION
REF. TO DWGS

DOOR TYPES

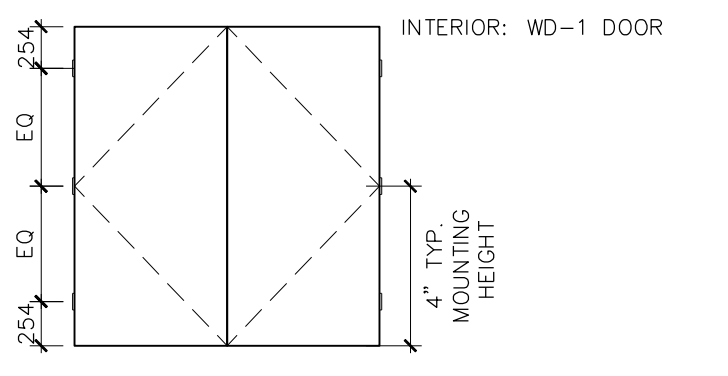
D-1 DOOR



INTERIOR: WD-1 DOOR WITH GL-1
TEMPERED GLAZING
GL-1

4" TYP.
MOUNTING
HEIGHT

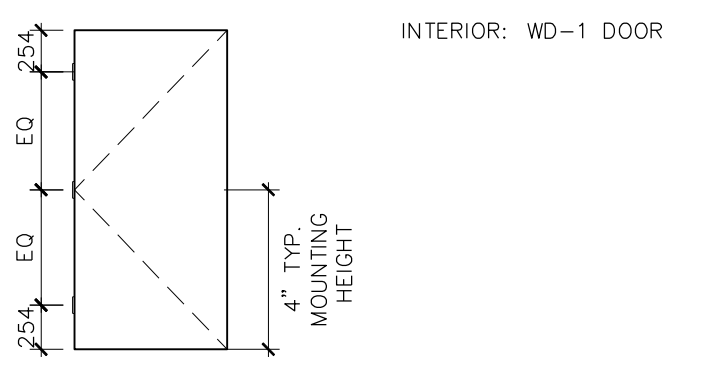
D-2 DOOR



INTERIOR: WD-1 DOOR

4" TYP.
MOUNTING
HEIGHT

D-3 DOOR

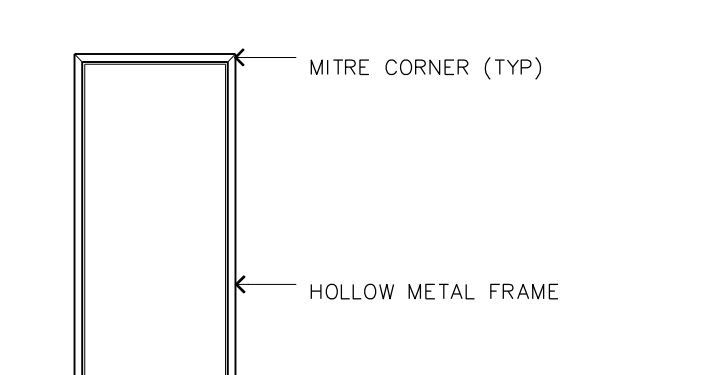


INTERIOR: WD-1 DOOR

4" TYP.
MOUNTING
HEIGHT

FRAME PROFILES

HM-1 FRAME

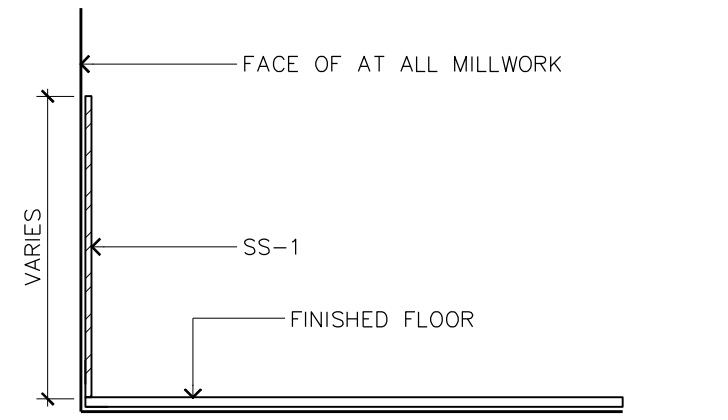


MITRE CORNER (TYP)

HOLLOW METAL FRAME

BASE TYPES

B-1 BASE



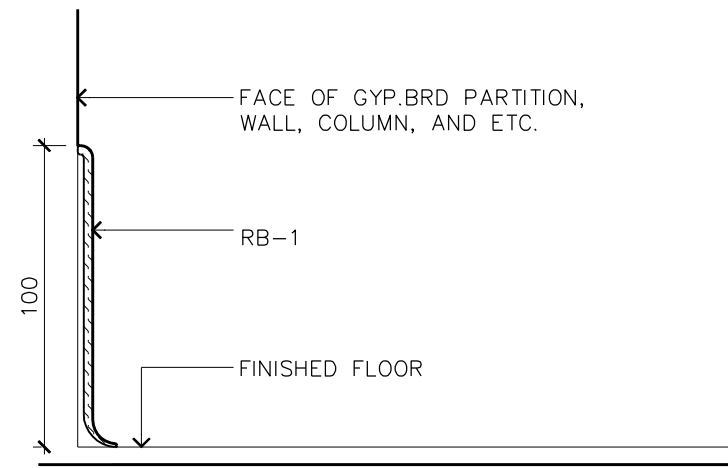
B-1 BASE TO BE USED AT MILLWORK

FACE OF AT ALL MILLWORK

SS-1

FINISHED FLOOR

B-2 BASE



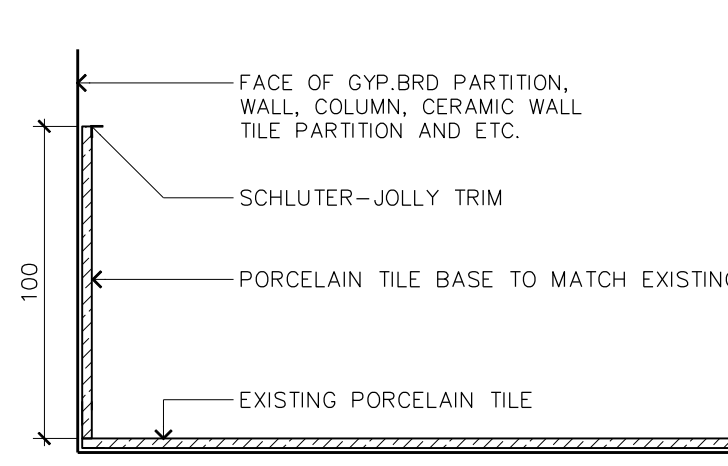
B-2 BASE TO BE USED THROUGHOUT FLOOR, EXCEPT
WHERE NOTED

FACE OF GYP.BRD PARTITION,
WALL, COLUMN, AND ETC.

RB-1

FINISHED FLOOR

B-3 BASE



B-3 BASE TO BE USED AT EXISTING TILE, EXCEPT
WHERE NOTED

FACE OF GYP.BRD PARTITION,
WALL, COLUMN, CERAMIC WALL
TILE PARTITION AND ETC.

SCHLUTER-JOLLY TRIM

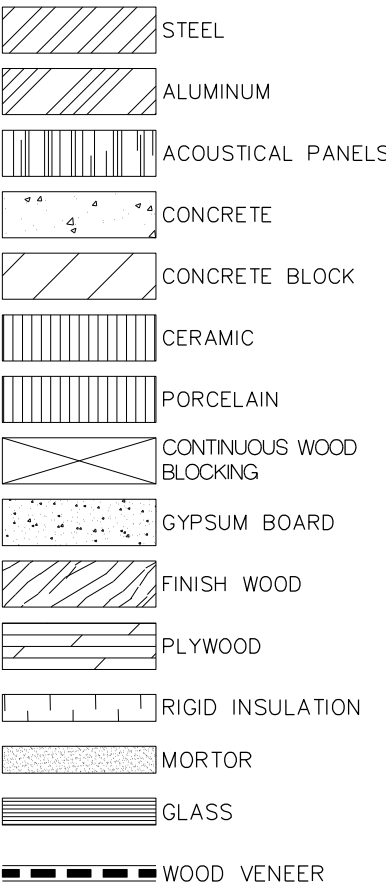
PORCELAIN TILE BASE TO MATCH EXISTING

EXISTING PORCELAIN TILE

MATERIAL ABBREVIATIONS

ACT-1	24" X 48" SUSPENDED ACOUSTIC TILE CEILING SYSTEM
ACT-2	24" X 24" SUSPENDED ACOUSTIC TILE CEILING SYSTEM
ADO	AUTOMATIC DOOR OPERATOR
AL-1	BLACK ANODIZED ALUMINUM
AS-1	ALUMINUM GLAZED SYSTEM
CG-1	CORNER GUARD
FILM-1	WINDOW FILM
GB-1	15.9MM QUIET ROCK GYPSUM BOARD
GL-1	19MM STANDARD TEMPERED GLASS
HMF-#	HOLLOW METAL
HMF-#	HOLLOW METAL FRAME
HSS-1	HOLLOW STRUCTURAL SECTION
INS-1	ROCKWOOL BATT INSUL. "SAFE "N" SOUND"
LINO-1	LINOLEUM SHEET FLOORING
LINO-2	LINOLEUM SHEET FLOORING
LINO-3	LINOLEUM SHEET FLOORING
MW-1	MILLWORK
MW-2	MILLWORK
MW-3	MILLWORK
MW-4	MILLWORK
MW-5	MILLWORK
POR-1	PORCELAIN TILE
PT-1	PAINT COLOUR 1
PT-2	PAINT COLOUR 2
PT-3	PAINT COLOUR 3
PT-4	PAINT COLOUR 4
PT-5	PAINT COLOUR 5
PT-6	PAINT COLOUR 6
PT-7	PAINT COLOUR 7
RB-1	TRADITIONAL RUBBER WALL BASE
SS-1	STAINLESS STEEL BRUSHED FINISH
SU-1	SEALED UNIT WITH GL-1 PANE
TRH-1	THRESHOLD TRIM
TRH-2	THRESHOLD TRIM
WD-1	SOLID WOOD
WD-2	WOOD VENEER PLYWOOD
WD-3	PLYWOOD

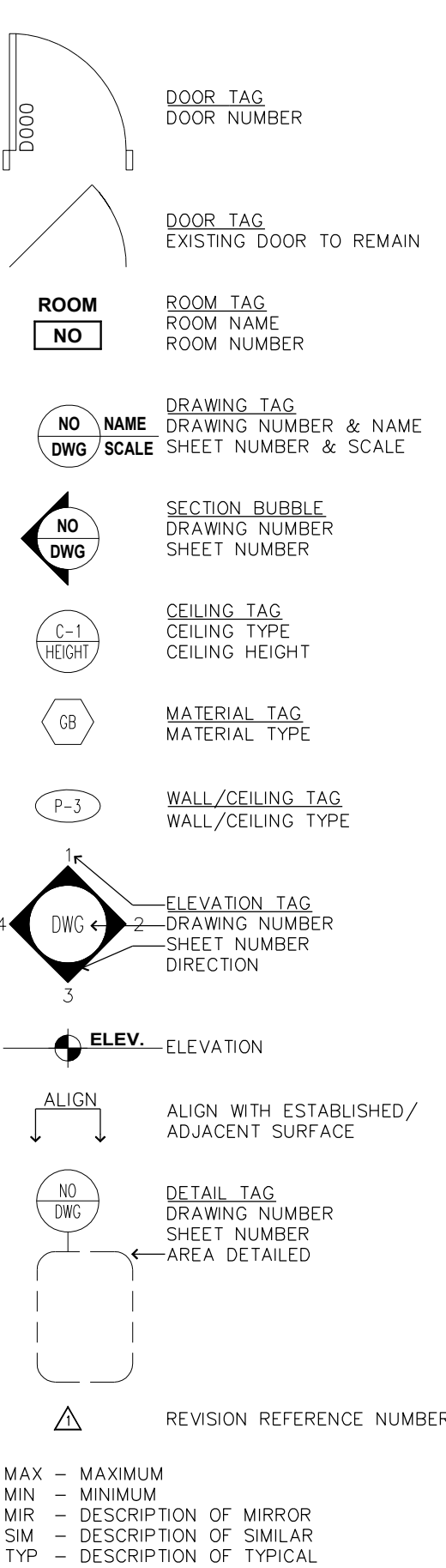
MATERIAL LEGEND



STANDARD ABBREVIATIONS

ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
BLDG	BUILDING
BLK	BLOCK
CL	CENTRELINE
CLG	CEILING
CONT	CONTINUOUS
DIA	DIAMETER
DWG	DRAWING
ELEV	ELEVATOR
EX/EXIST	EXISTING
F/F	FLOOR
F/O	FACE OF
FRR	FIRE RESISTANCE RATING
FPR	FIRE PROTECTION RATING
HT	HEIGHT
MAX	MAXIMUM
MIN	MINIMUM
MIR	MIRROR
NIC	OWNER SUPPLIED CONTRACTOR INSTALLED
NTS	NOT TO SCALE
OC	ON CENTRE
OSCI	OWNER SUPPLIED CONTRACTOR INSTALLED
PL	PLATE
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
REV	REVERSE
RM	ROOM
SIM	SIMILAR
SHR	SHOWER
STD	STUD
T&G	TONGUE & GROOVE
T/O	TOP OF
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
U/S	UNDERSIDE OF
VE	VERIFY IN FIELD

SYMBOL LEGEND



general notes :

1. 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.

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.

DEMOLITION FLOOR PLAN LEGEND:

- EXISTING PARTITIONS TO REMAIN
- DEMOLISH EXISTING PARTITIONS AS INDICATED.
- OUTSIDE SCOPE OF WORK

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.

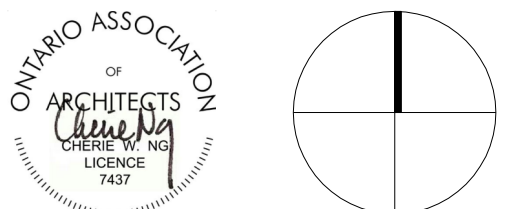
D. ALL STRUCTURAL ELEMENTS TO REMAIN, UNLESS NOTED OTHERWISE.

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.

ISSUED FOR PERMIT AND TENDER	08 AUGUST 2025
ISSUED FOR 60% CLIENTS REVIEW	11 JULY 2025
ISSUED FOR 60% CLIENTS REVIEW	12 JUNE 2025
ISSUED FOR 60% CLIENTS REVIEW	23 MAY 2025
revision	date



SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION

Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON

GROUND FLOOR -
DEMOLITION PLAN /
INTERIOR ELEVATIONS

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

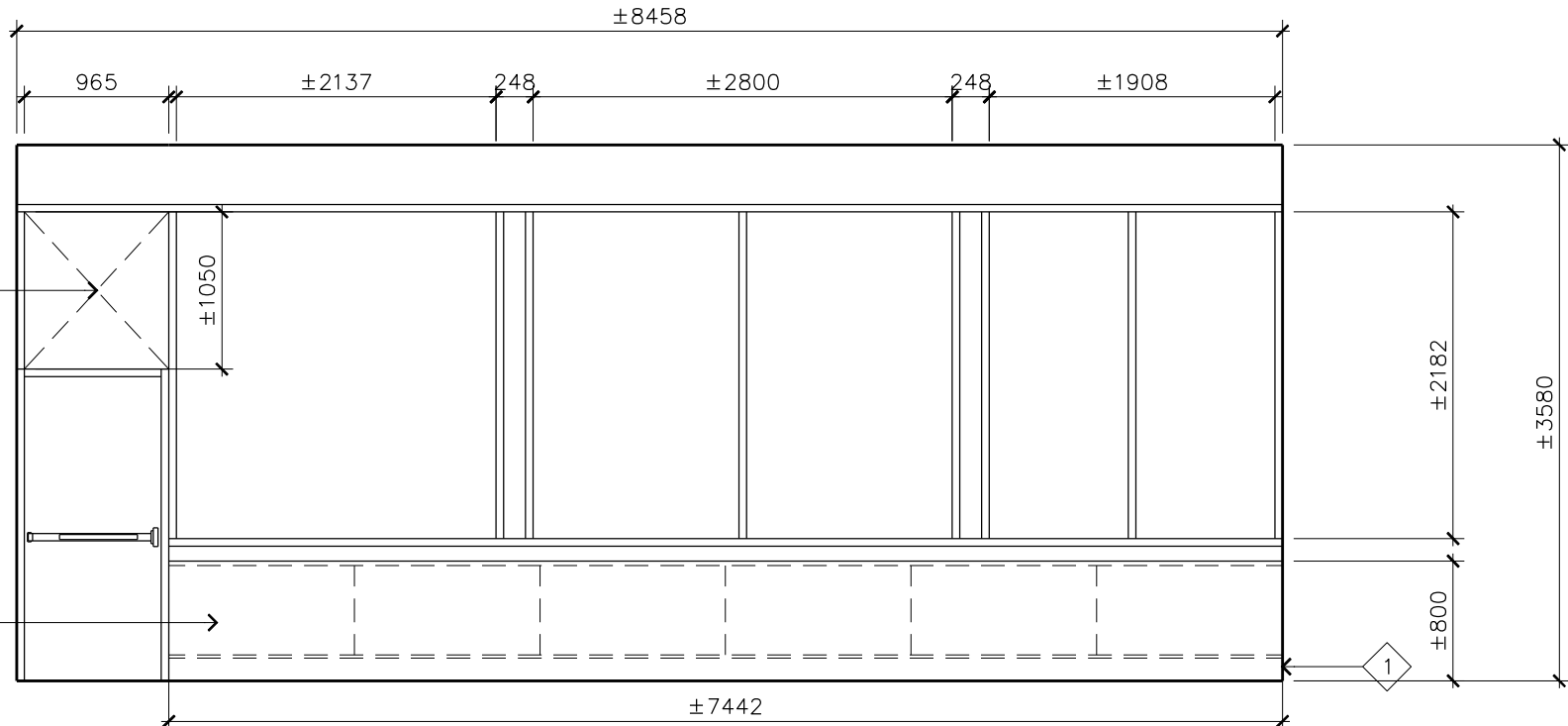
drawing no. :

A2.1

CONTRACTOR SHALL DEMOLISH EXISTING SEALED GLAZING UNIT ABOVE DOOR AND PROVIDE NEW SPANDREL PANEL WITH MECHANICAL OPENING FOR NEW EXHAUST GRILLE. REPLACE EXISTING CURTAIN WALL CAP AS REQUIRED TO MATCH ADJACENT SIZE AND FINISHES. CONTRACTOR TO SITE-VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO INSTALLATION OF NEW EXHAUST GRILLE. COORDINATE LOCATION AND SIZE WITH MECHANICAL DRAWINGS AND EXISTING SITE CONDITIONS.

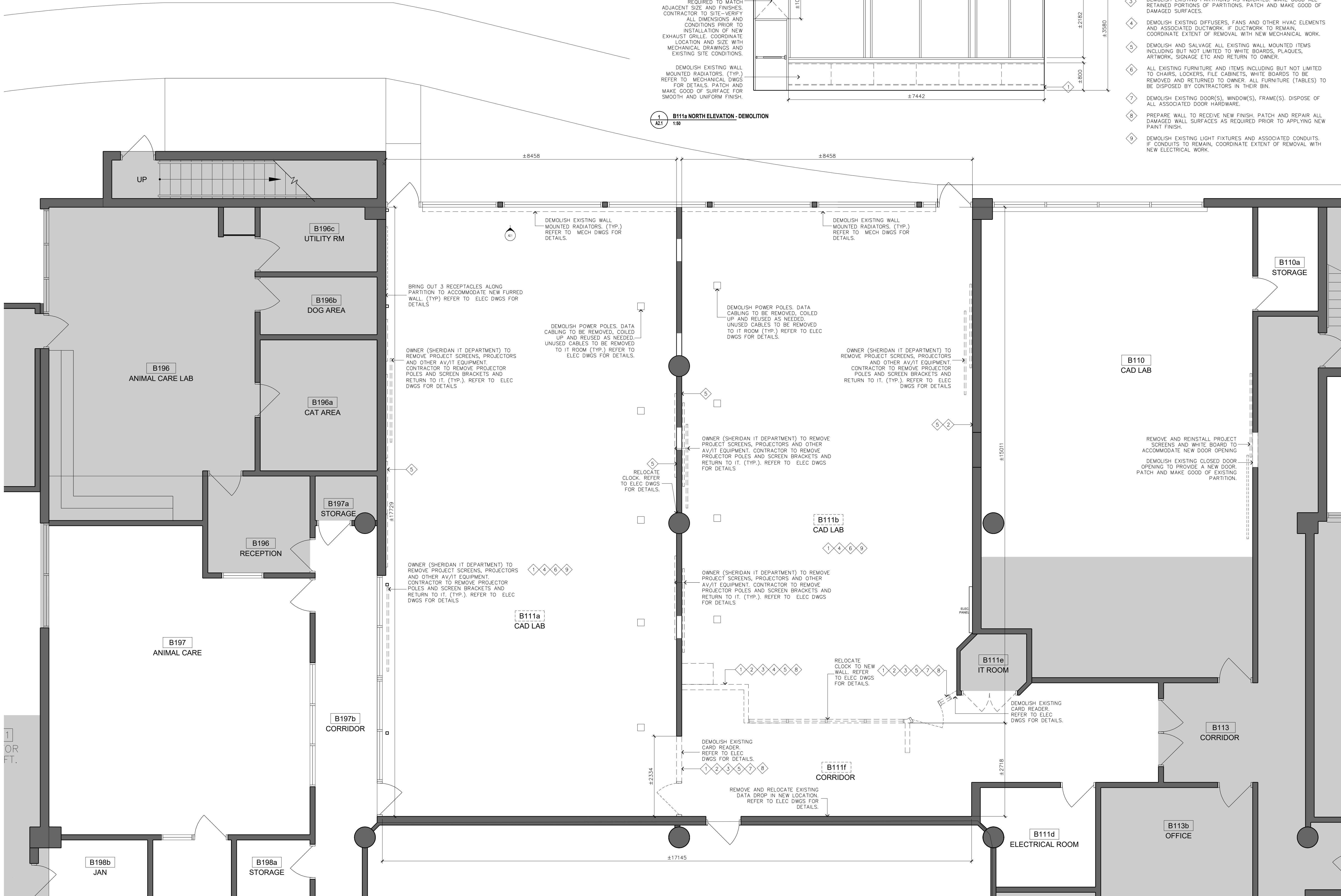
DEMOLISH EXISTING WALL MOUNTED RADIATORS. (TYP.) REFER TO MECHANICAL DWGS FOR DETAILS. PATCH AND MAKE GOOD OF SURFACE FOR SMOOTH AND UNIFORM FINISH.

1
A2.1
1:50
B111a NORTH ELEVATION - DEMOLITION



DEMOLITION NOTES:

- DEMOLISH EXISTING VINYL AND WALLBASES. PREPARE EXISTING CONCRETE SLAB FOR NEW FLOORING. PATCH AND MAKE GOOD TO ENSURE SMOOTH AND UNIFORM SURFACE.
- DEMOLISH EXISTING ELECTRICAL RECEPTACLES AND ALL ASSOCIATED CONDUITS IF REQUIRED AS PER THE ELECTRICAL DWGS. IF TO REMAIN, COORDINATE EXTENT OF REMOVAL WITH NEW ELECTRICAL WORK.
- DEMOLISH EXISTING PARTITIONS AS INDICATED. MAKE GOOD ALL RETAINED PORTIONS OF PARTITIONS. PATCH AND MAKE GOOD OF DAMAGED SURFACES.
- DEMOLISH EXISTING DIFFUSERS, FANS AND OTHER HVAC ELEMENTS AND ASSOCIATED DUCTWORK. IF DUCTWORK TO REMAIN, COORDINATE EXTENT OF REMOVAL WITH NEW MECHANICAL WORK.
- DEMOLISH AND SALVAGE ALL EXISTING WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO WHITE BOARDS, PLAQUES, ARTWORK, SIGNAGE, ETC AND RETURN TO OWNER.
- ALL EXISTING FURNITURE AND ITEMS INCLUDING BUT NOT LIMITED TO CHAIRS, LOCKERS, FILE CABINETS, WHITE BOARDS TO BE REMOVED AND RETURNED TO OWNER. ALL FURNITURE (TABLES) TO BE DISPOSED BY CONTRACTORS IN THEIR BIN.
- DEMOLISH EXISTING DOOR(S), WINDOW(S), FRAME(S), DISPOSE OF ALL ASSOCIATED DOOR HARDWARE.
- PREPARE WALL TO RECEIVE NEW FINISH. PATCH AND REPAIR ALL DAMAGED WALL SURFACES AS REQUIRED PRIOR TO APPLYING NEW PAINT FINISH.
- DEMOLISH EXISTING LIGHT FIXTURES AND ASSOCIATED CONDUITS. IF CONDUITS TO REMAIN, COORDINATE EXTENT OF REMOVAL WITH NEW ELECTRICAL WORK.



general notes:

1. 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.

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:

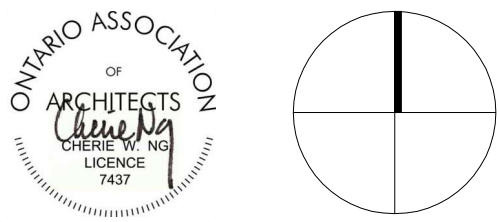
A. ADD LEVELING COMPOUND AND PREPARE FOR NEW FLOOR FINISHES AND SLOPE FLOOR TO DRAIN WHEN REQUIRED. PATCH HOLES. GRIND DOWN PROTRUSIONS.

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 PERMIT AND TENDER	08 AUGUST 2025
REQUIRED FOR 60% CLIENTS REVIEW	11 JULY 2025
ISSUED FOR 60% CLIENTS REVIEW	12 JUNE 2025
ISSUED FOR 60% CLIENTS 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

DEMOLITION LEGEND:

----- DEMOLITION EXISTING AS
INDICATED (WALL, SCREEN,
DOORS, TILES, ETC.)

EXISTING WALL / PARTITION
TO REMAIN

OUTSIDE SCOPE OF WORK

REMOVE EXISTING VINYL FLOOR
AND RUBBER BASE
PREPARE FLOOR TO RECEIVE
NEW FINISH

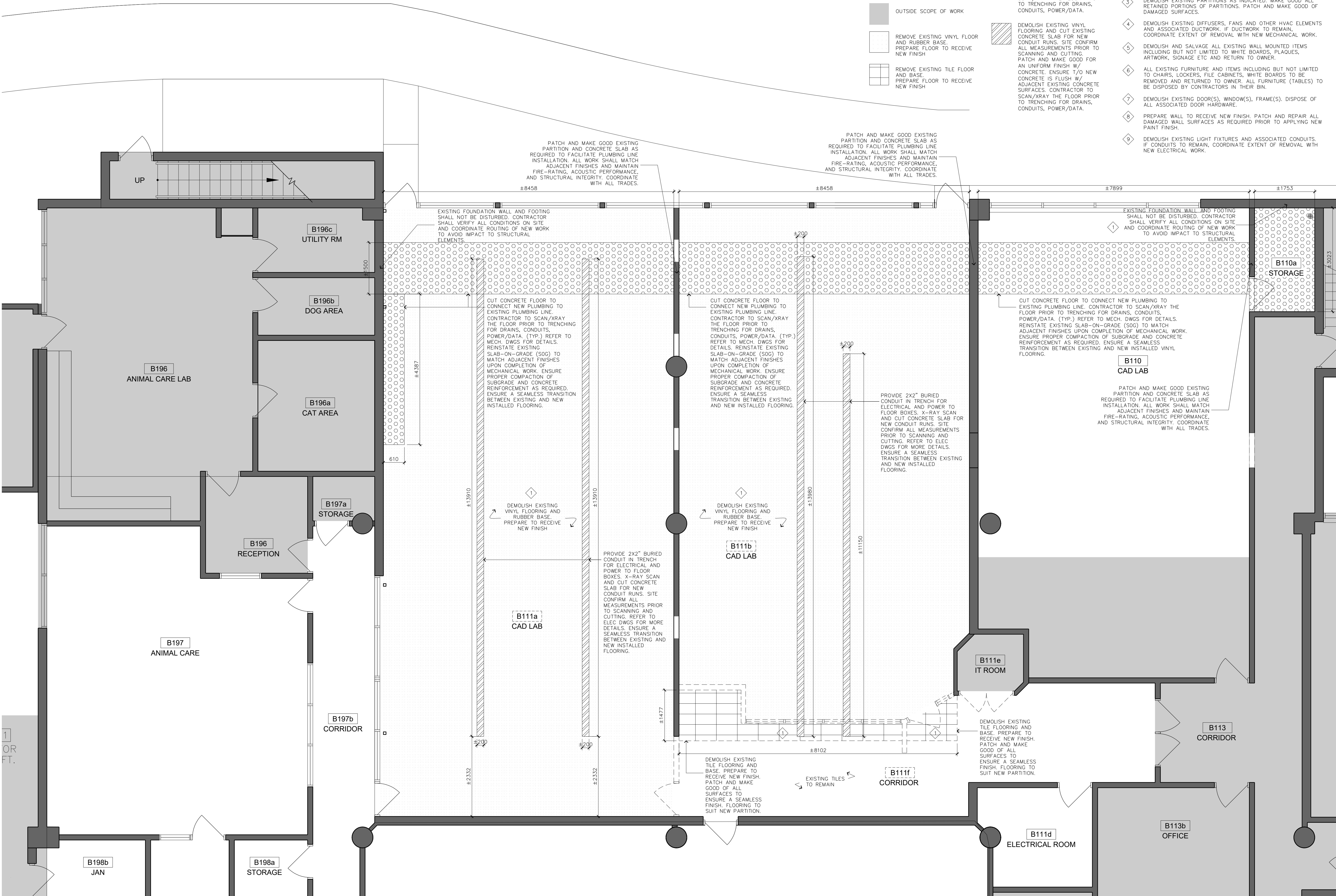
REMOVE EXISTING TILE FLOOR
AND BASE
PREPARE FLOOR TO RECEIVE
NEW FINISH

CUT EXISTING CONCRETE SLAB
AT UNDERGROUND PLUMBING
AND PATCH AND MAKE GOOD
FOR AN UNIFORM FINISH W/
CONCRETE. ENSURE T/O NEW
CONCRETE IS FLUSH W/
ADJACENT EXISTING CONCRETE
SURFACES. CONTRACTOR TO
SCAN/XRAY THE FLOOR PRIOR
TO TRENCHING FOR DRAINS,
CONDUITS, POWER/DATA.

DEMOLISH EXISTING VINYL
FLOORING AND CUT EXISTING
CONCRETE SLAB FOR NEW
CONDUIT RUNS. SITE CONFIRM
ALL MEASUREMENTS PRIOR TO
SCANNING AND CUTTING.
PATCH AND MAKE GOOD FOR
AN UNIFORM FINISH W/
CONCRETE. ENSURE T/O NEW
CONCRETE IS FLUSH W/
ADJACENT EXISTING CONCRETE
SURFACES. CONTRACTOR TO
SCAN/XRAY THE FLOOR PRIOR
TO TRENCHING FOR DRAINS,
CONDUITS, POWER/DATA.

DEMOLITION NOTES:

- DEMOLISH EXISTING FLOORING AND WALLBASES. PREPARE EXISTING CONCRETE SLAB FOR NEW FLOORING. PATCH AND MAKE GOOD TO ENSURE SMOOTH AND UNIFORM SURFACE.
- DEMOLISH EXISTING ELECTRICAL RECEPTACLES AND ALL ASSOCIATED CONDUITS IF REQUIRED AS PER THE ELECTRICAL DWGS. IF TO REMAIN, COORDINATE EXTENT OF REMOVAL WITH NEW ELECTRICAL WORK.
- DEMOLISH EXISTING PARTITIONS AS INDICATED. MAKE GOOD ALL RETAINED PORTIONS OF PARTITIONS. PATCH AND MAKE GOOD OF DAMAGED SURFACES.
- DEMOLISH EXISTING DIFFUSERS, FANS AND OTHER HVAC ELEMENTS AND ASSOCIATED DUCTWORK. IF DUCTWORK TO REMAIN, COORDINATE EXTENT OF REMOVAL WITH NEW MECHANICAL WORK.
- DEMOLISH AND SALVAGE ALL EXISTING WALL MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO WHITE BOARDS, PLAQUES, ARTWORK, SIGNAGE ETC AND RETURN TO OWNER.
- DEMOLISH EXISTING FURNITURE AND ITEMS INCLUDING BUT NOT LIMITED TO CHAIRS, LOCKERS, FILE CABINETS, WHITE BOARDS TO BE REMOVED AND RETURNED TO OWNER. ALL FURNITURE (TABLES) TO BE DISPOSED BY CONTRACTORS IN THEIR BIN.
- DEMOLISH EXISTING DOOR(S), WINDOW(S), FRAME(S). DISPOSE OF ALL ASSOCIATED DOOR HARDWARE.
- PREPARE WALL TO RECEIVE NEW FINISH. PATCH AND REPAIR ALL DAMAGED WALL SURFACES AS REQUIRED PRIOR TO APPLYING NEW PAINT FINISH.
- DEMOLISH EXISTING LIGHT FIXTURES AND ASSOCIATED CONDUITS. IF CONDUITS TO REMAIN, COORDINATE EXTENT OF REMOVAL WITH NEW ELECTRICAL WORK.



general notes:

1. 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.

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.

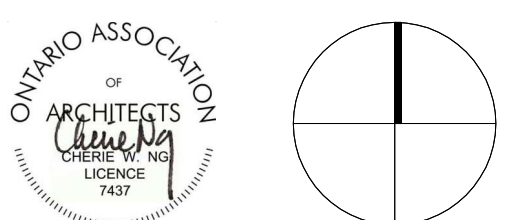
FLOOR PLAN LEGEND:

- 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)

ISSUED FOR PERMIT AND TENDER 08 AUGUST 2025
REQUIRED FOR 90% CLIENTS REVIEW 11 JULY 2025
ISSUED FOR 90% CLIENTS REVIEW 02 JUNE 2025
ISSUED FOR 90% CLIENTS REVIEW 23 MAY 2025



SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION

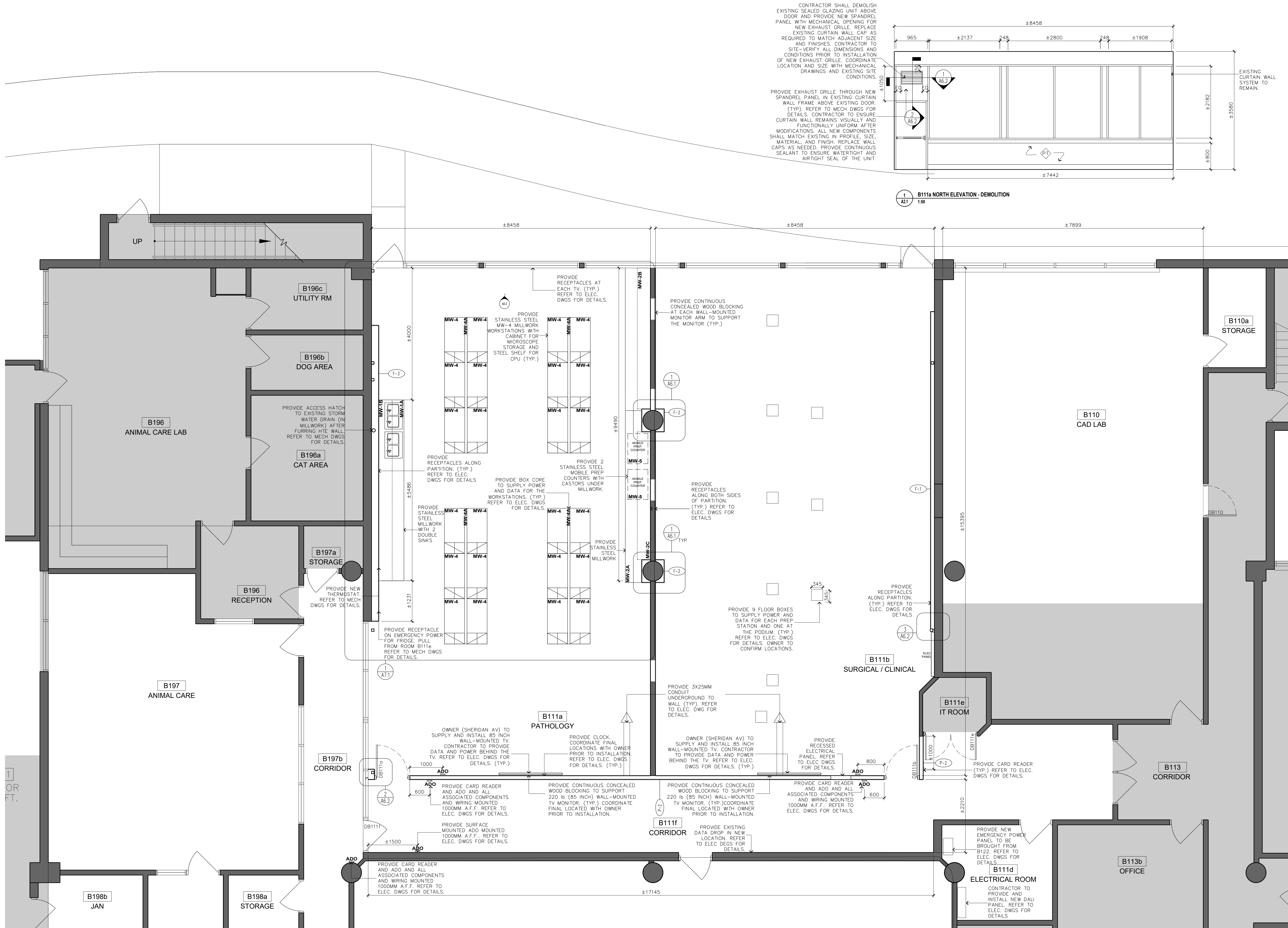
Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON

GROUND FLOOR -
PROPOSED PLAN /
INTERIOR ELEVATIONS

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

drawing no.:

A2.3



general notes :

1. 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.

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.

FLOOR PATTERN PLAN LEGEND:

- 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 12"x24" POR-1 PORCELAIN TILES TO MATCH EXISTING.
- PROVIDE VINYL SHEET FLOORING TO MATCH EXISTING.
- PROVIDE LINO-2

GENERAL FLOOR PATTERN PLAN NOTES:

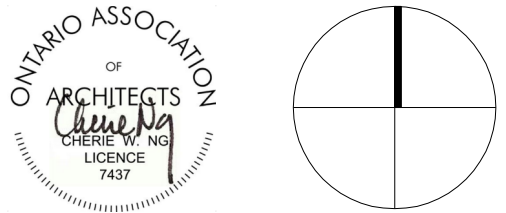
A. ADD LEVELING COMPOUND AND PREPARE FOR NEW FLOOR FINISHES AND SLOPE FLOOR TO DRAIN WHEN REQUIRED. PATCH HOLES. GRIND DOWN PROTRUSIONS.

B. 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.



ISSUED FOR PERMIT AND TENDER	08 AUGUST 2025
ISSUED FOR 60% CLIENTS REVIEW	11 JULY 2025
ISSUED FOR 60% CLIENTS REVIEW	12 JUNE 2025
ISSUED FOR 60% CLIENTS REVIEW	23 MAY 2025
revision	date



SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION

Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON

GROUND FLOOR -
PROPOSED FLOOR
FINISH PLAN

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

drawing no. :

A2.4



general notes :

1. 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.

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.

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 PERMIT AND TENDER	08 AUGUST 2025
REVISED FOR 90% CLIENTS REVIEW	11 JULY 2025
ISSUED FOR 90% CLIENTS REVIEW	12 JUNE 2025
ISSUED FOR 90% CLIENTS REVIEW	23 MAY 2025
revision	date



SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION

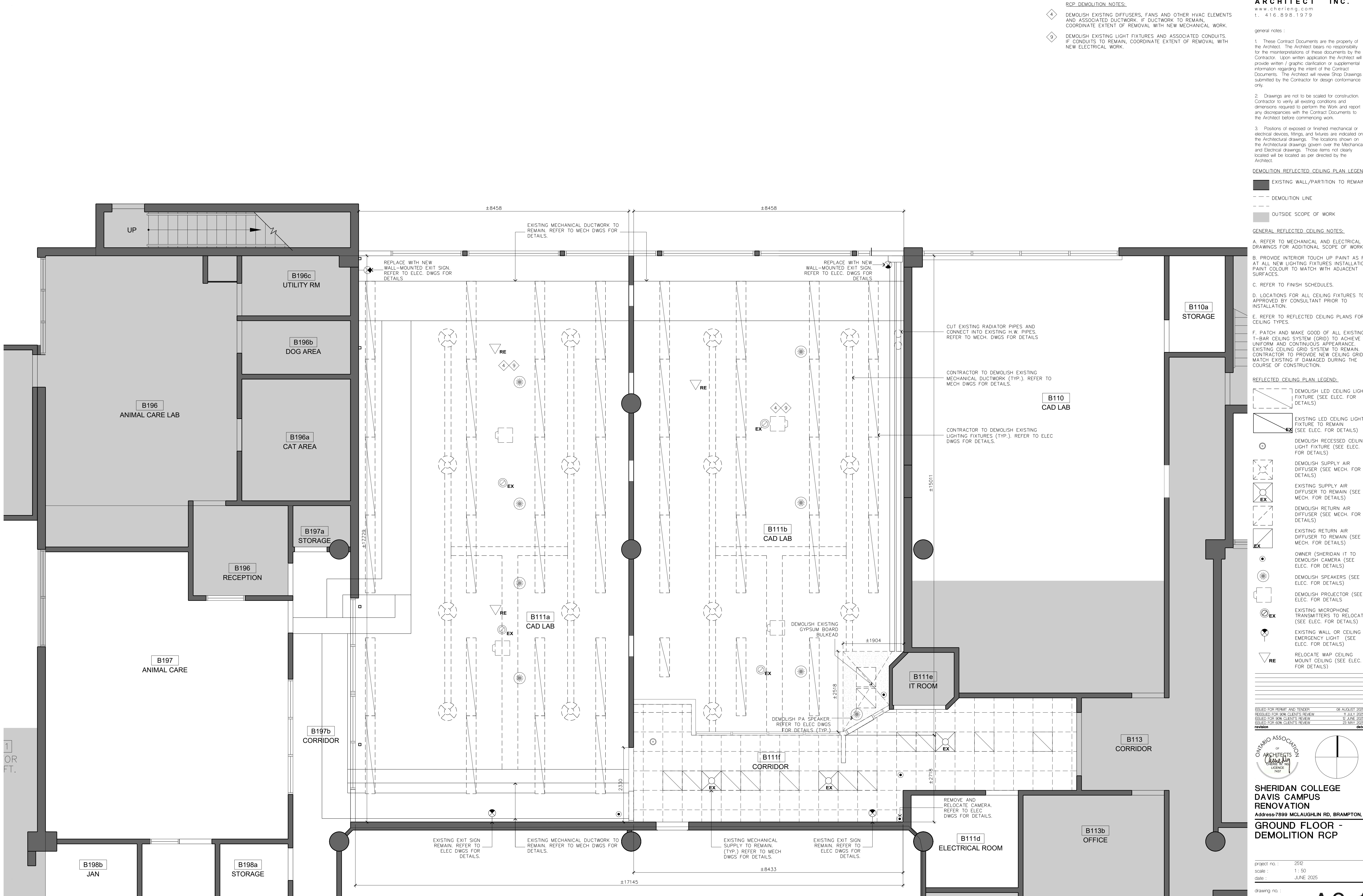
Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON

GROUND FLOOR -
DEMOLITION RCP

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

drawing no. :

A3.1



general notes :

1. 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.

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.

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.

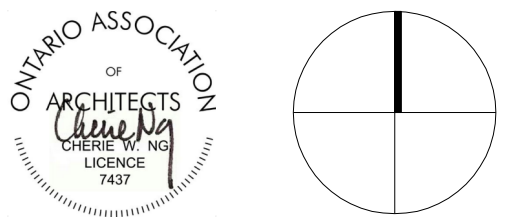
E. REFER TO REFLECTED CEILING PLANS FOR CEILING TYPES.

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 PERMIT AND TENDER	08 AUGUST 2025
ISSUED FOR 90% CLIENTS REVIEW	11 JULY 2025
ISSUED FOR 60% CLIENTS REVIEW	02 JUNE 2025
ISSUED FOR 60% CLIENTS REVIEW	23 MAY 2025
revision	date



SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION

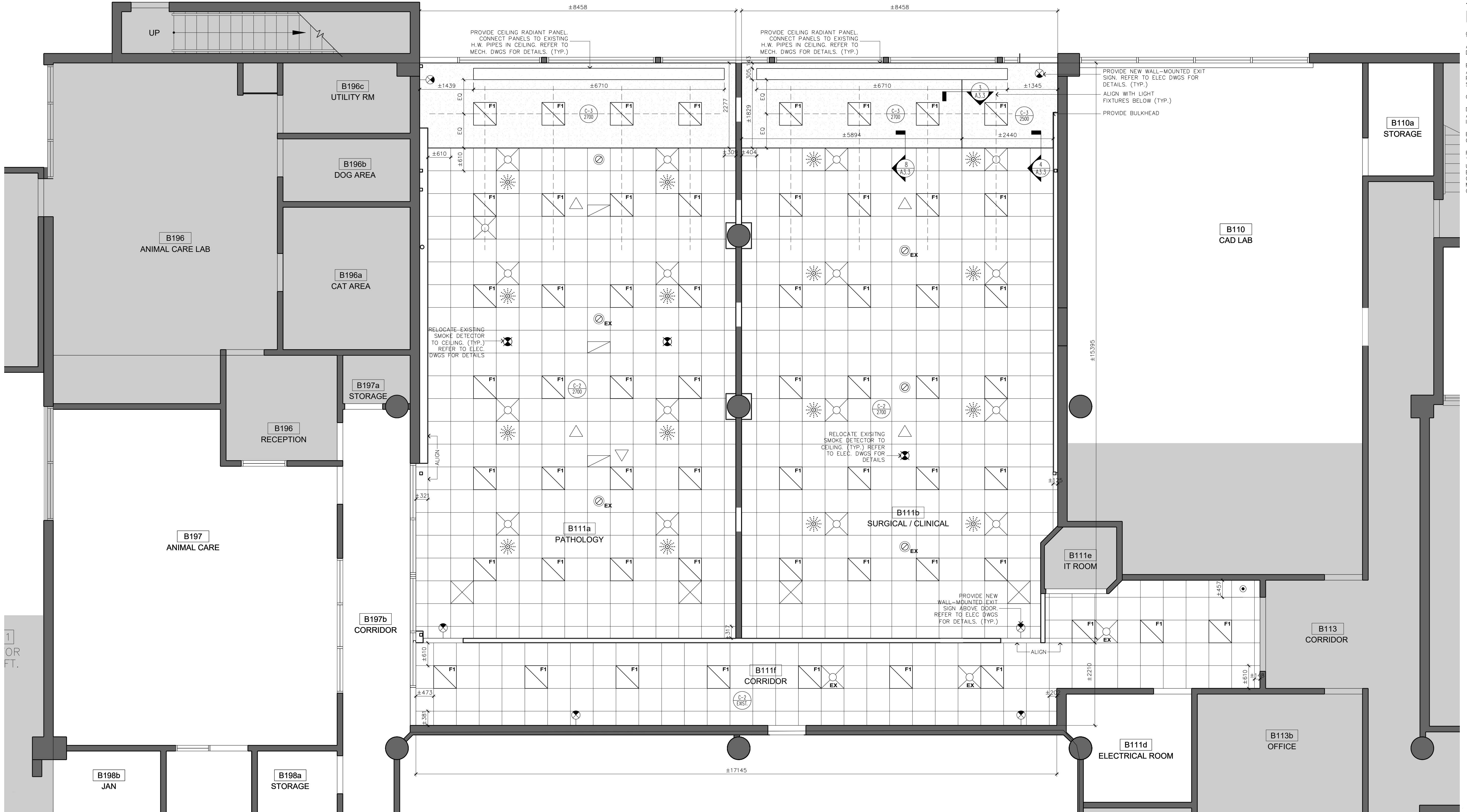
Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON

GROUND FLOOR -
PROPOSED RCP

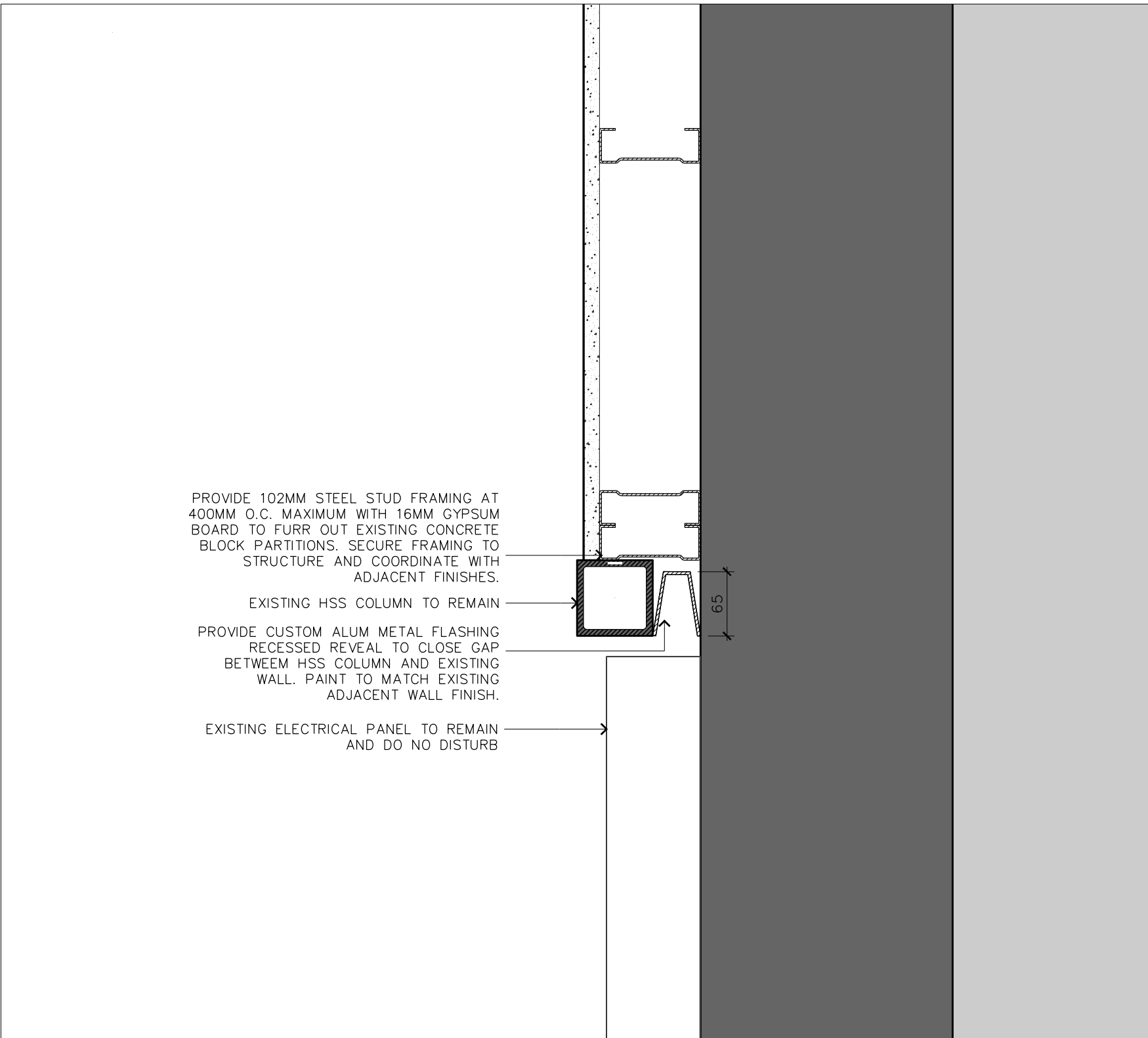
project no. : 2512
scale : 1:50
date : JUNE 2025

drawing no. :

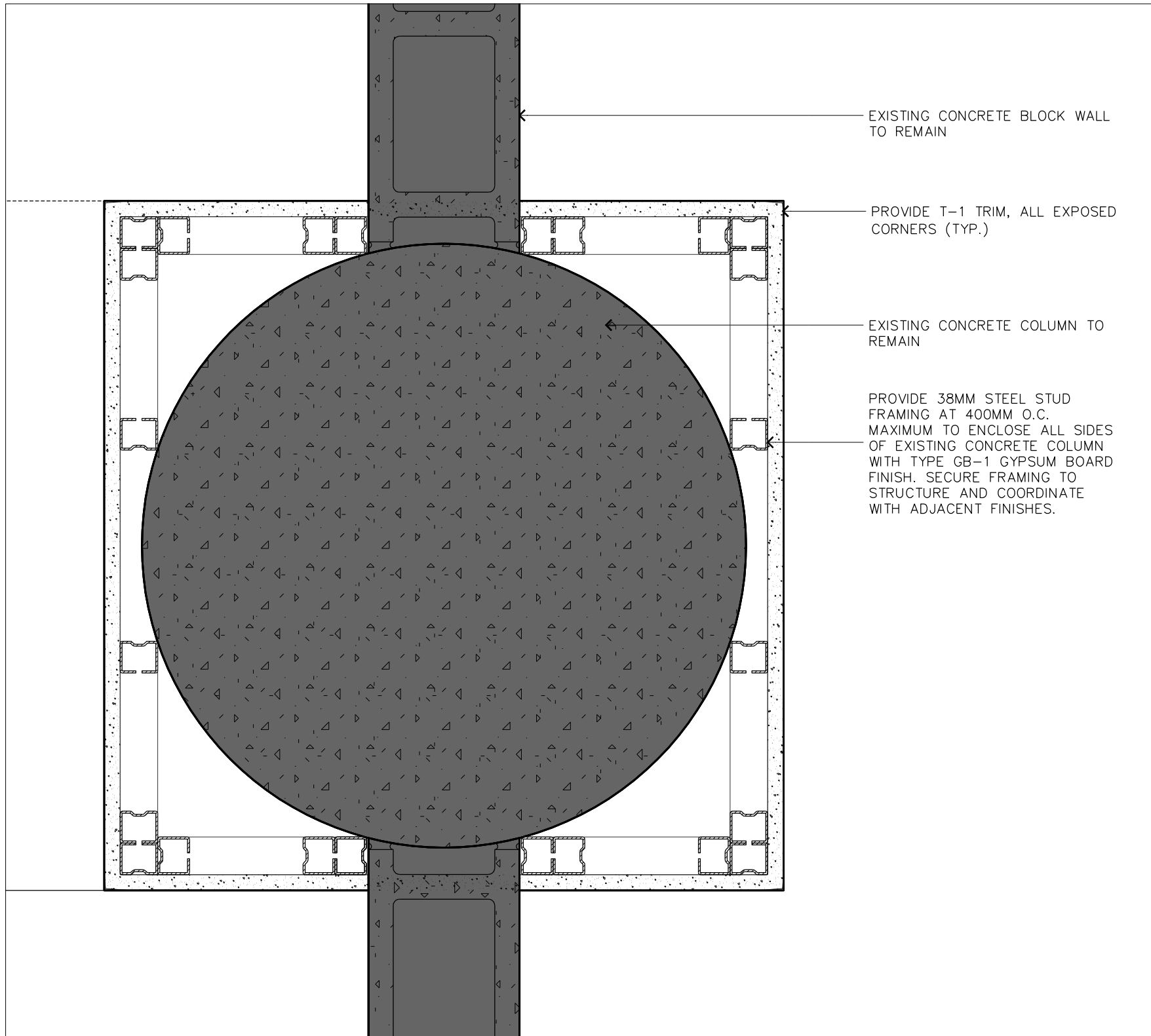
A3.2



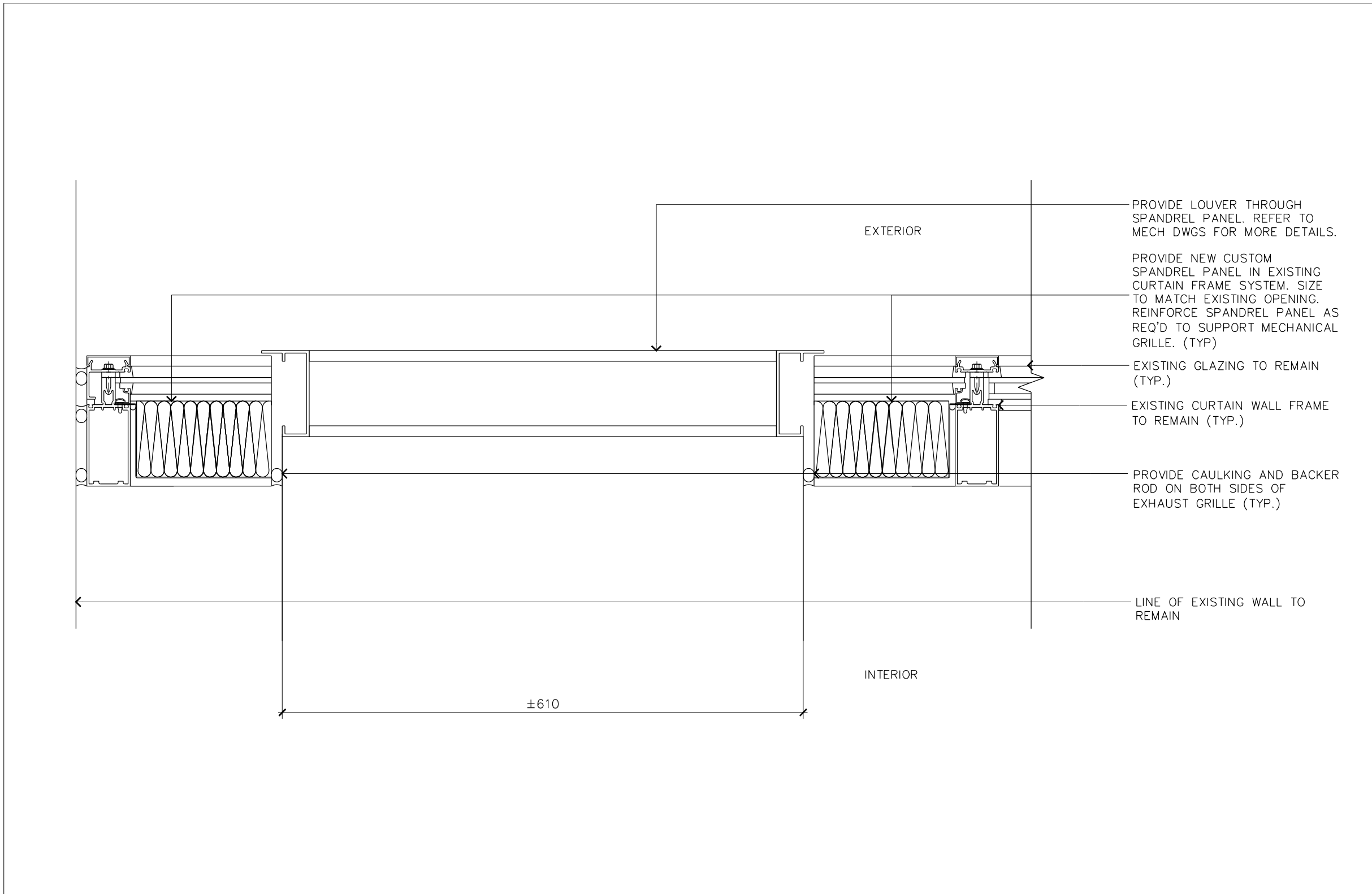




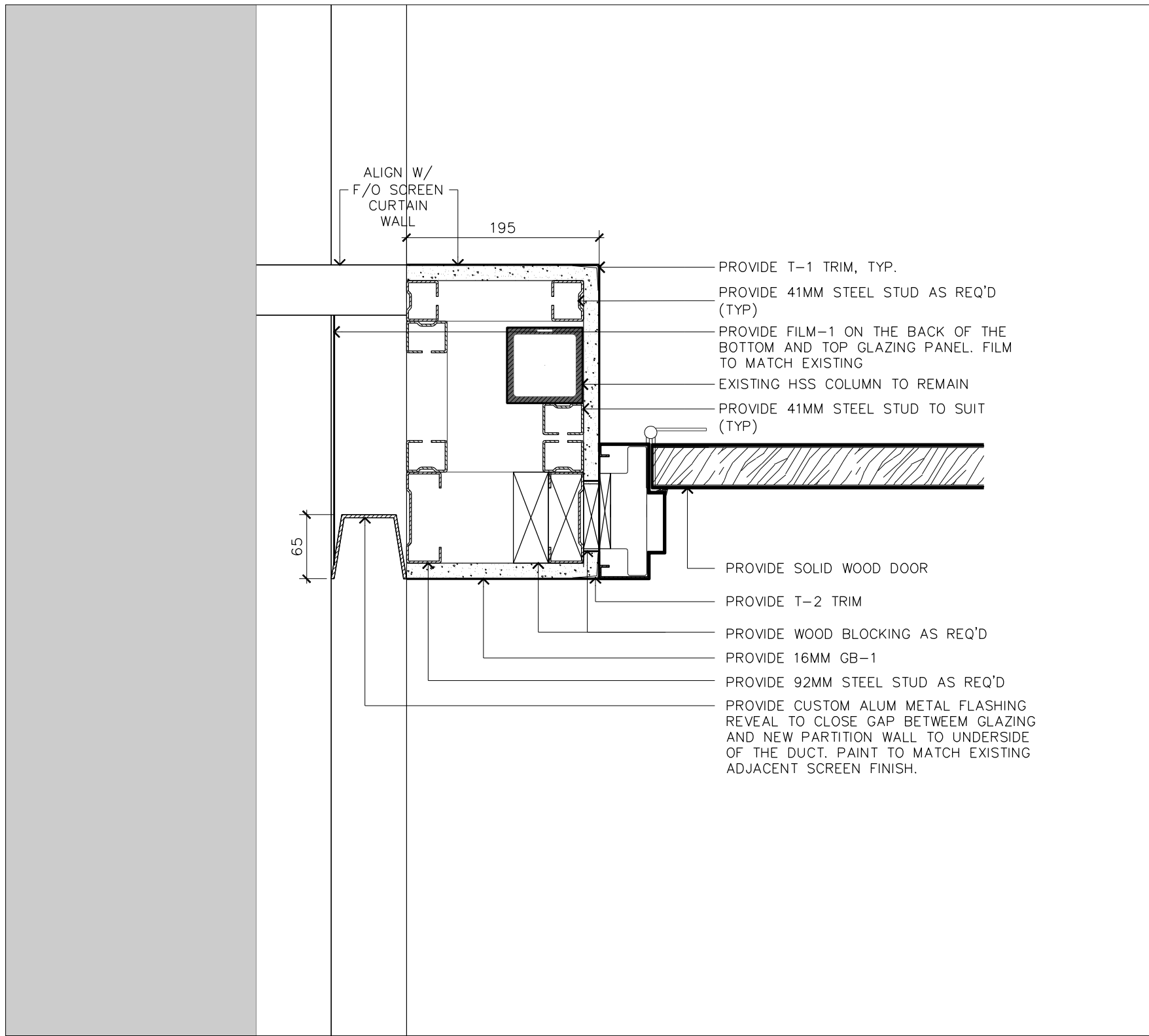
5 PLAN DETAIL - NEW PARTITION TO HSS
A6.1 1:5



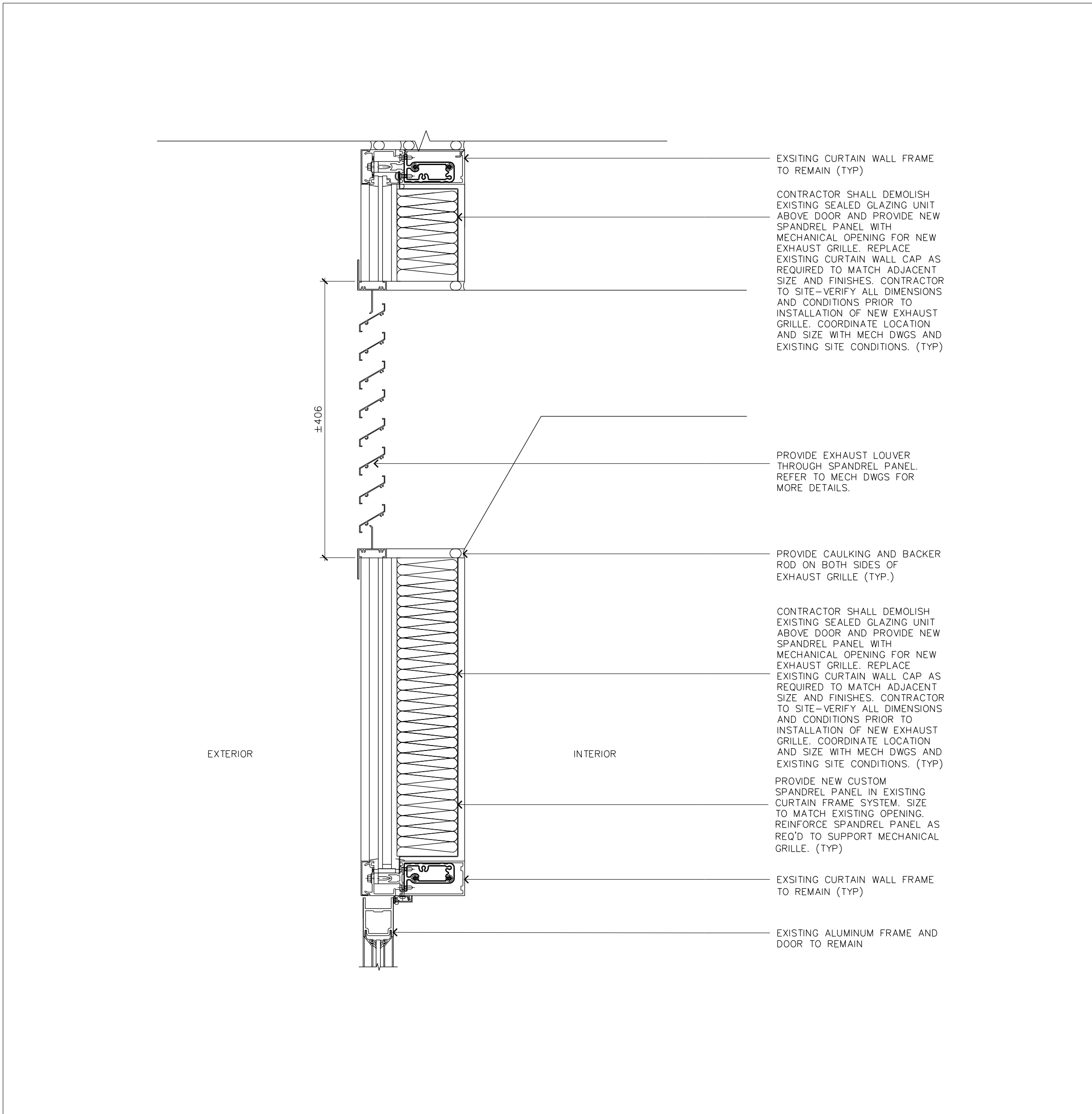
3 PLAN DETAIL - CONCRETE COLUMN FUR OUT
A6.1 1:5



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

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

ISSUED FOR PERMIT AND TENDER	08 AUGUST 2025
REQUIRED FOR 30% CLIENT'S REVIEW	11 JULY 2025
ISSUED FOR 30% CLIENT'S REVIEW	12 JUNE 2025
revision	date

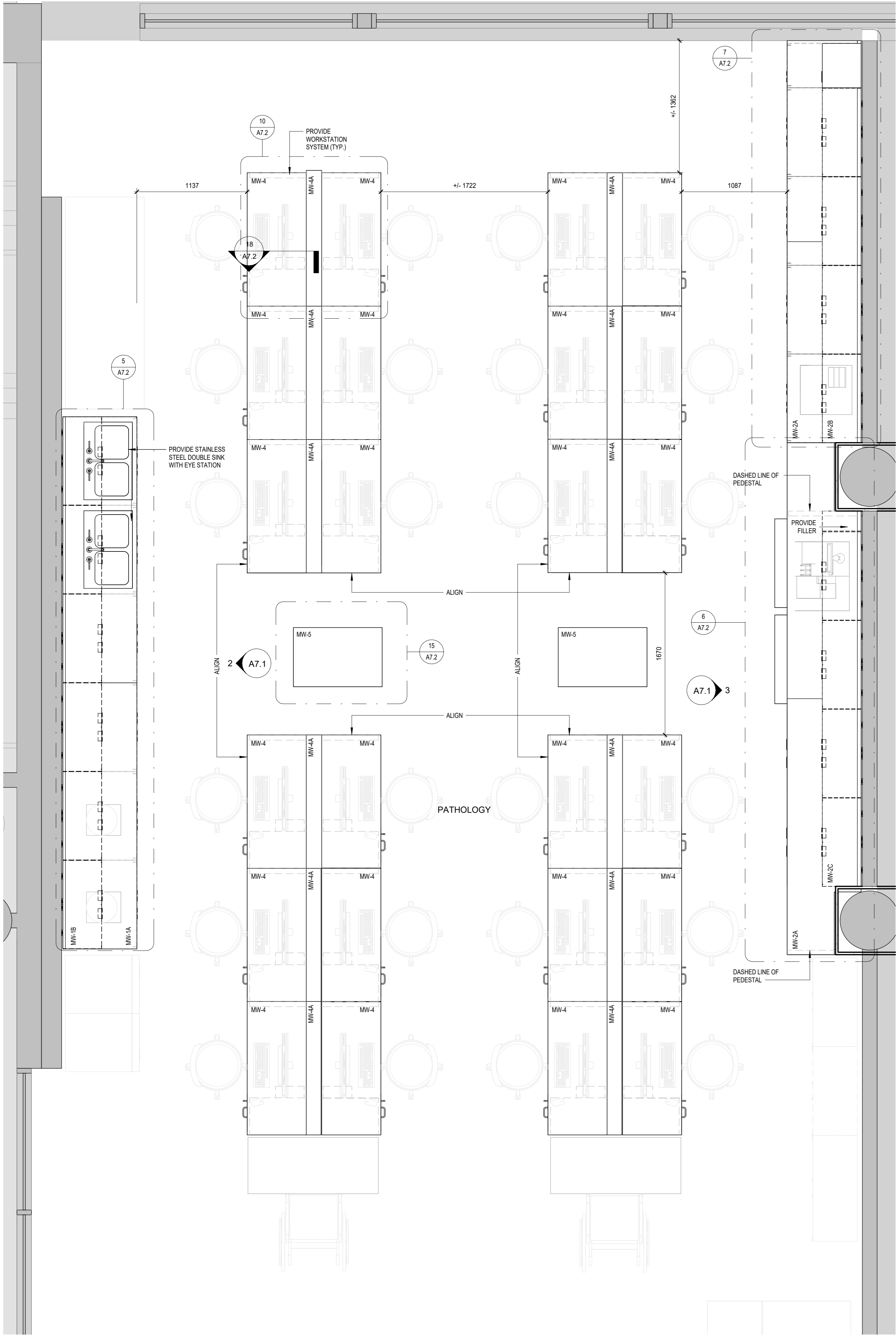


SHERIDAN COLLEGE
DAVIS CAMPUS
RENOVATION
Address: 7899 MCLAUGHLIN RD, BRAMPTON, ON
DETAILS

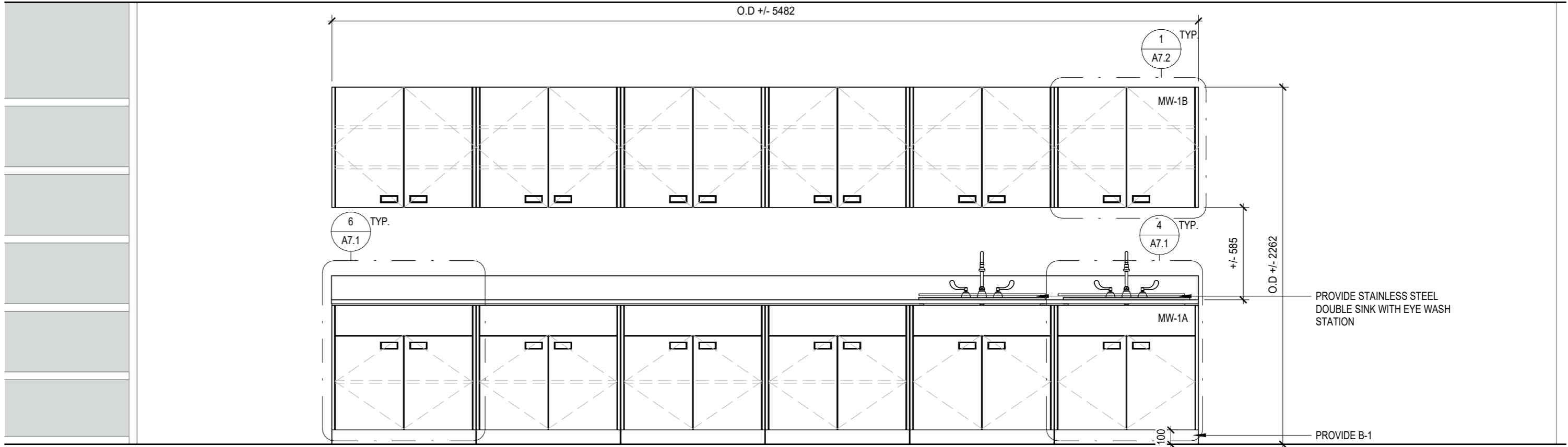
project no. : 2512
scale : 1:5
date : JUNE 2025

drawing no. :

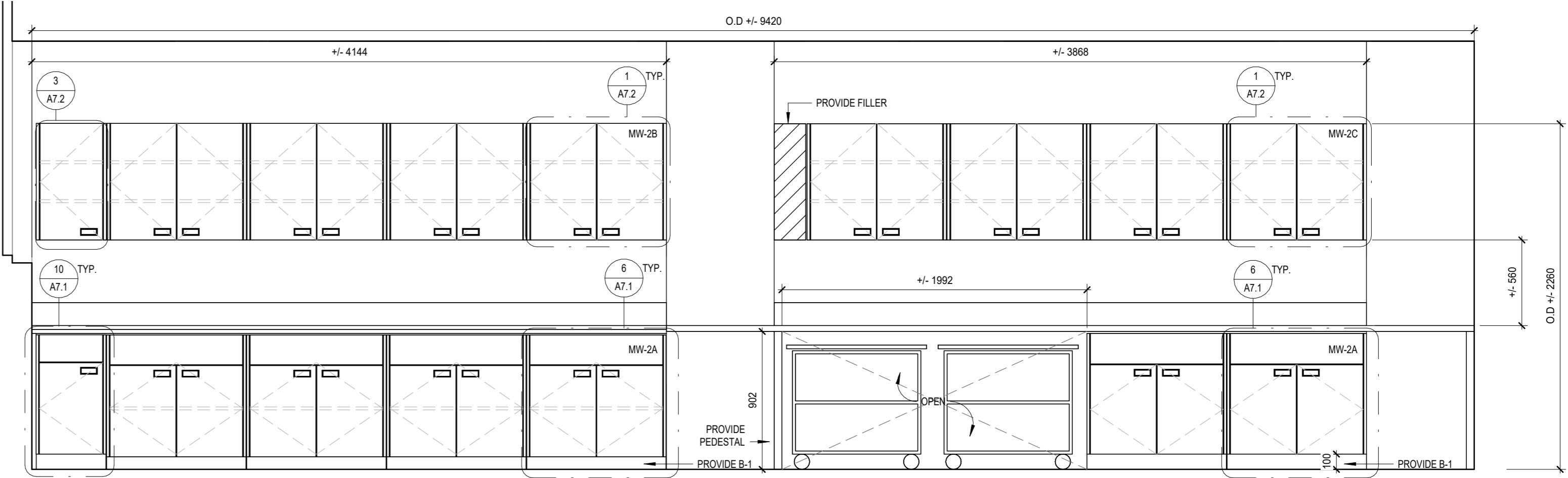
A6.1



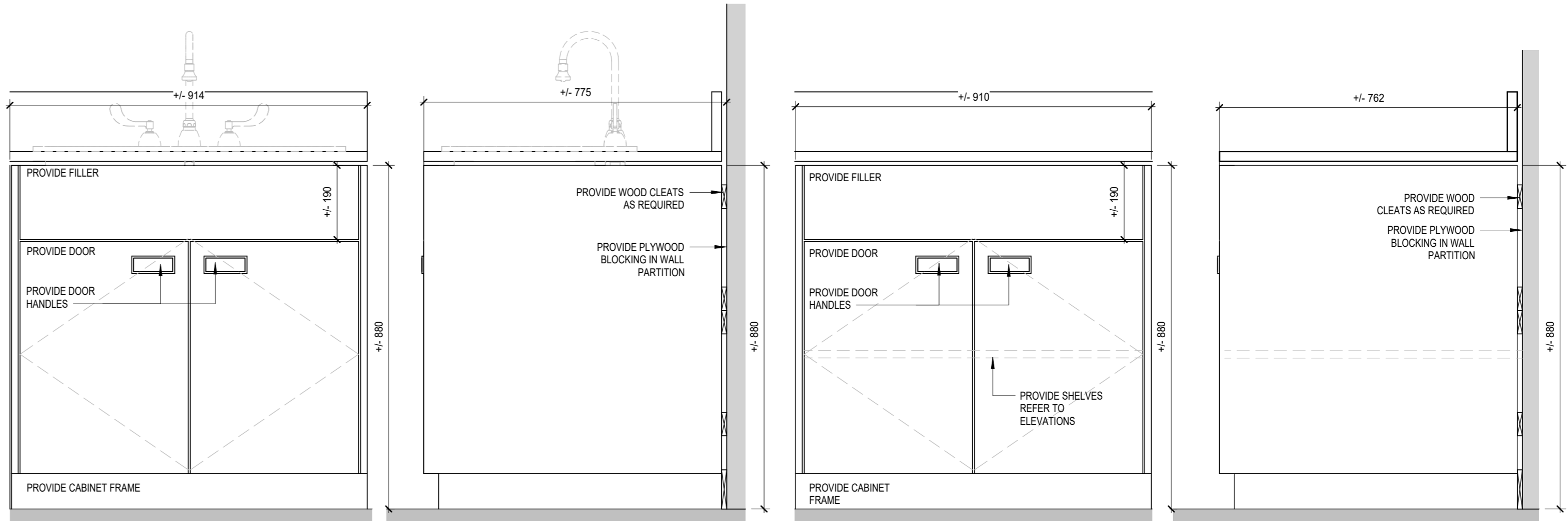
1
A7.1 B111A PATHOLOGY FLOOR PLAN
1 : 25



2
A7.1 KEY ELEVATION - LOWER CABINET MW-1A & UPPER CABINET MW-1B
1 : 25



3
A7.1 KEY ELEVATION - LOWER CABINET MW-2A & UPPER CABINET MW-2B, MW-2C
1 : 25

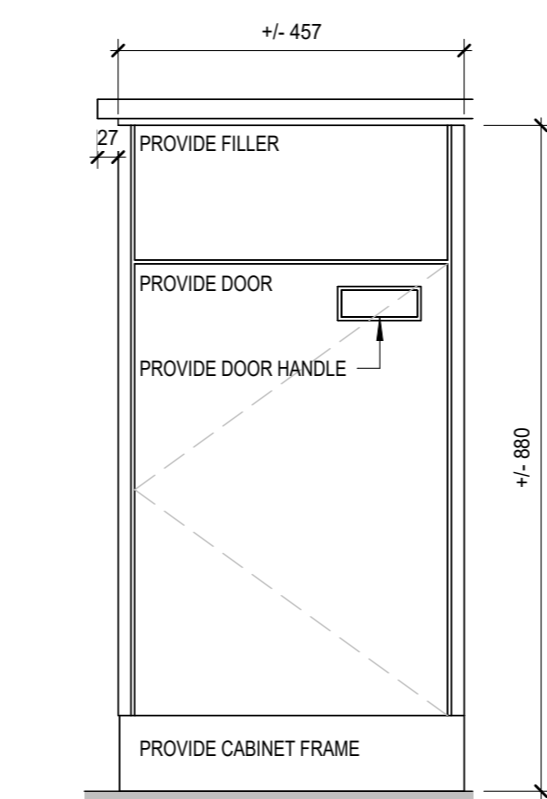


4
A7.1 MW-1A BASE SINK CABINET FRONT VIEW
1 : 10

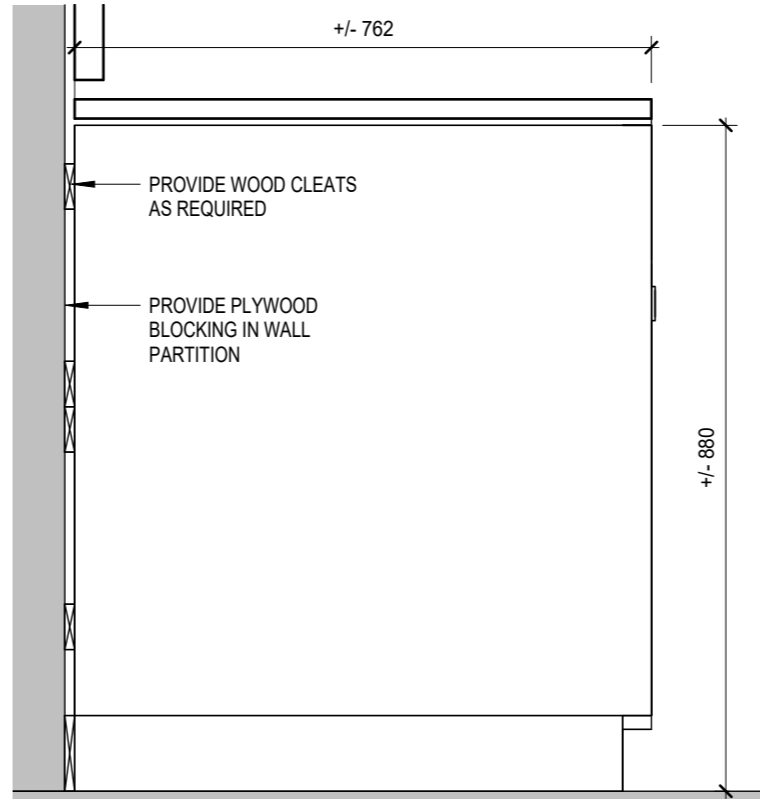
5
A7.1 MW-1A BASE SINK CABINET SIDE VIEW
1 : 10

6
A7.1 MW-1A, MW-2A BASE CABINET FRONT VIEW
1 : 10

7
A7.1 MW-1A, MW-2A BASE CABINET SIDE VIEW
1 : 10



10
A7.1 MW-2A SINGLE BASE CABINET FRONT VIEW
1 : 10



11
A7.1 MW-2A SINGLE BASE CABINET SIDE VIEW
1 : 10

GENERAL NOTES :

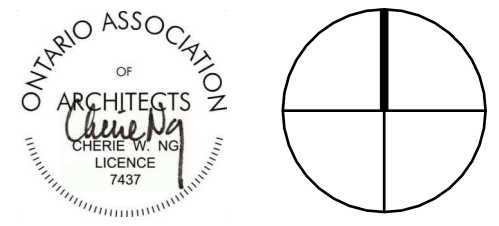
- THESE CONTRACT DOCUMENTS ARE THE PROPERTY OF THE ARCHITECT. THE ARCHITECT BEARS NO RESPONSIBILITY FOR THE MISINTERPRETATIONS OF THESE DOCUMENTS BY THE CONTRACTOR. UPON WRITTEN APPLICATION THE ARCHITECT WILL PROVIDE WRITTEN / GRAPHIC CLARIFICATION OR SUPPLEMENTAL INFORMATION REGARDING THE INTENT OF 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.

- EXISTING WALL / FLOOR
- FILLER PANELS

NOTE:

- PROVIDE LOCKSETS TO ALL CABINETS
- SHIPPING IN 12WEEKS AFTER RECEIPT OF ALL APPROVAL

ISSUED FOR PERMIT AND TENDER	08 AUGUST 2025
RESUBMITTED FOR 90% CLIENT'S REVIEW	11 JULY 2025
ISSUED FOR 60% CLIENT'S REVIEW	12 JUNE 2025
ISSUED FOR 60% CLIENT'S REVIEW	23 MAY 2025
revision	08/25



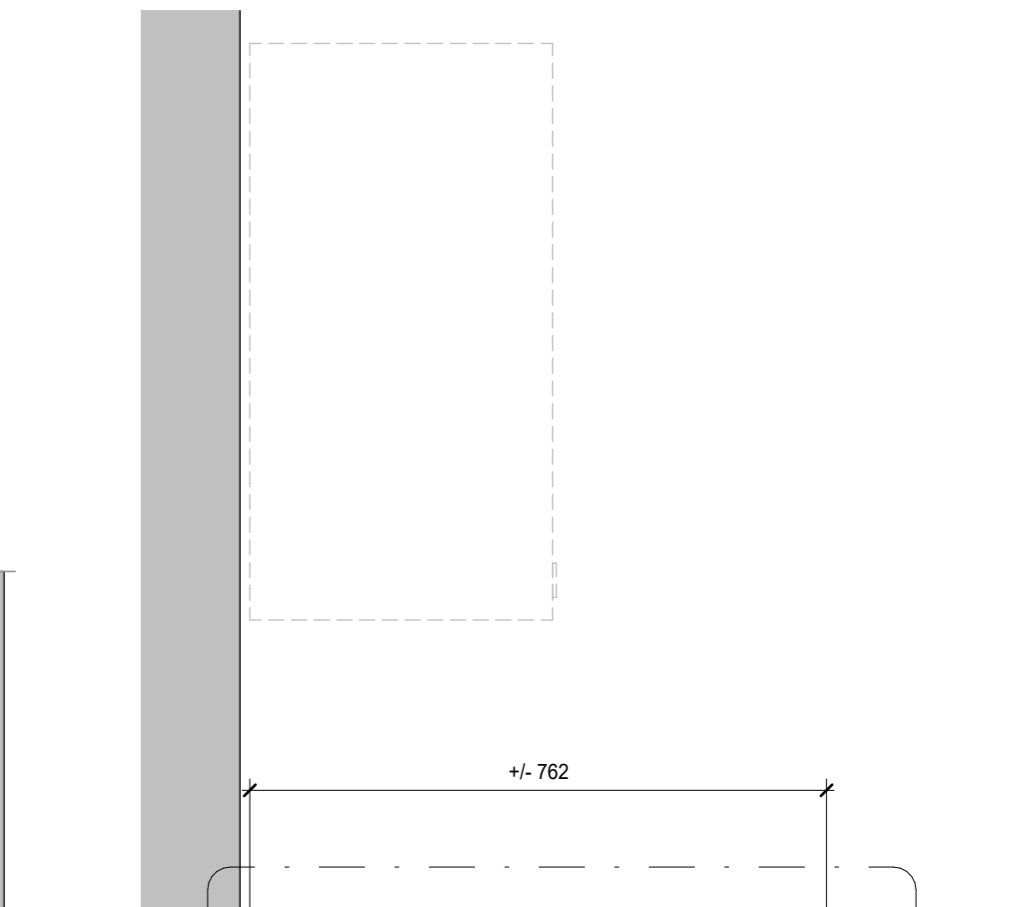
SHERIDEN VET
RENOVATIONS
7899 McLaughlin Rd, Brampton, Ontario L6Y 5H9
PATHOLOGY - MILLWORK

project no.: 2512
scale: As indicated
date: 08 AUGUST 2025
drawing no.: A7.1

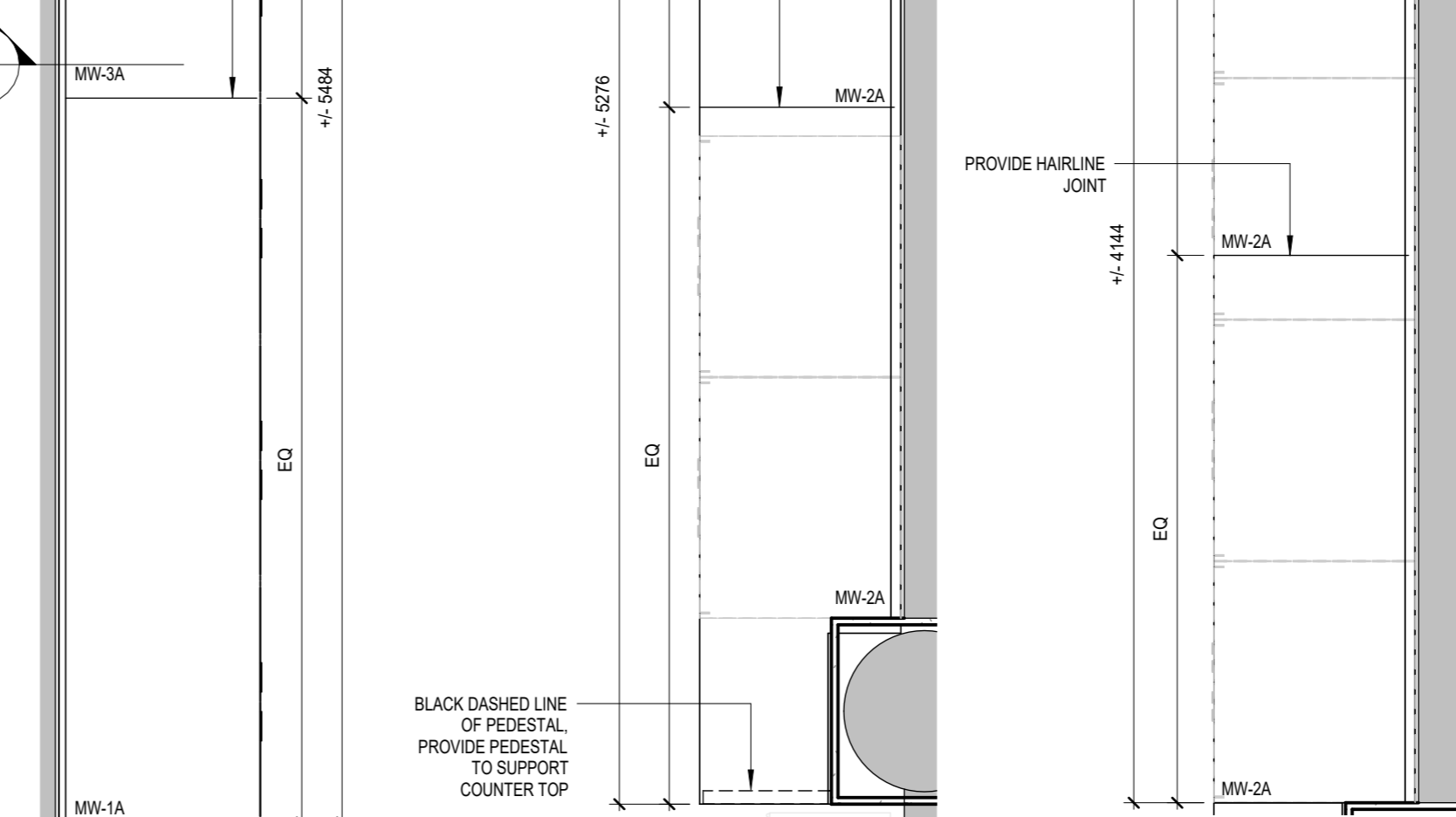
3. POSITIONS OF EXPOSED OR FINISHED MECHANICAL OR ELECTRICAL DEVICES, FITTINGS, AND FIXTURES ARE INDICATED ON THE ARCHITECTURAL DRAWINGS. THE LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS GOVERN OVER THE MECHANICAL AND ELECTRICAL DRAWINGS. THE ITEMS NOT CLEARLY LOCATED WILL BE LOCATED AS PER DIRECTED BY THE ARCHITECT.

NOTE:

- PROVIDE LOCKSETS TO ALL CABINETS
- SHIPPING IN 12WEEKS AFTER RECEIPT OF ALL APPROVAL

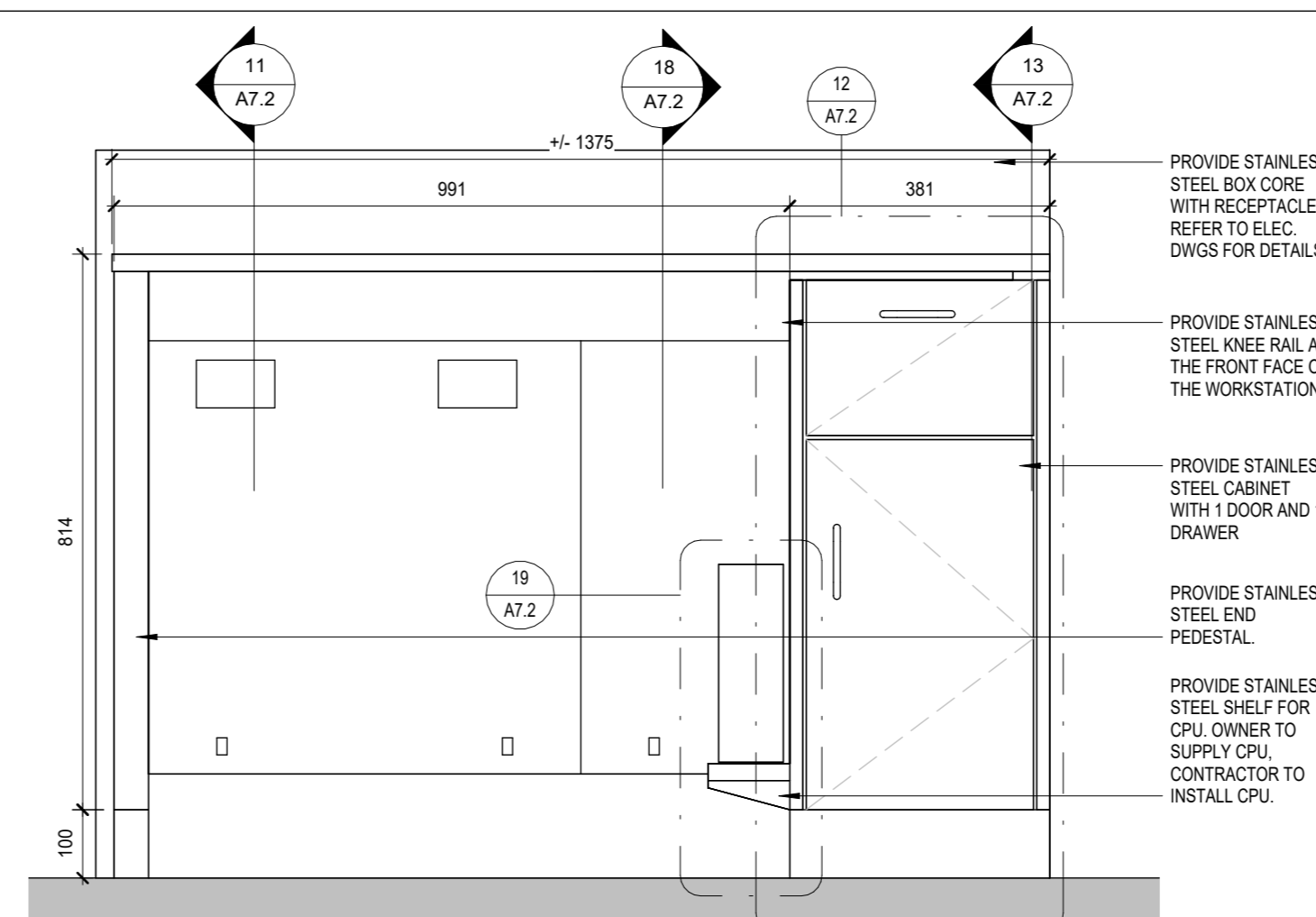


4 MW-2B SINGLE WALL CABINET SIDE VIEW
A7.2 1 : 10

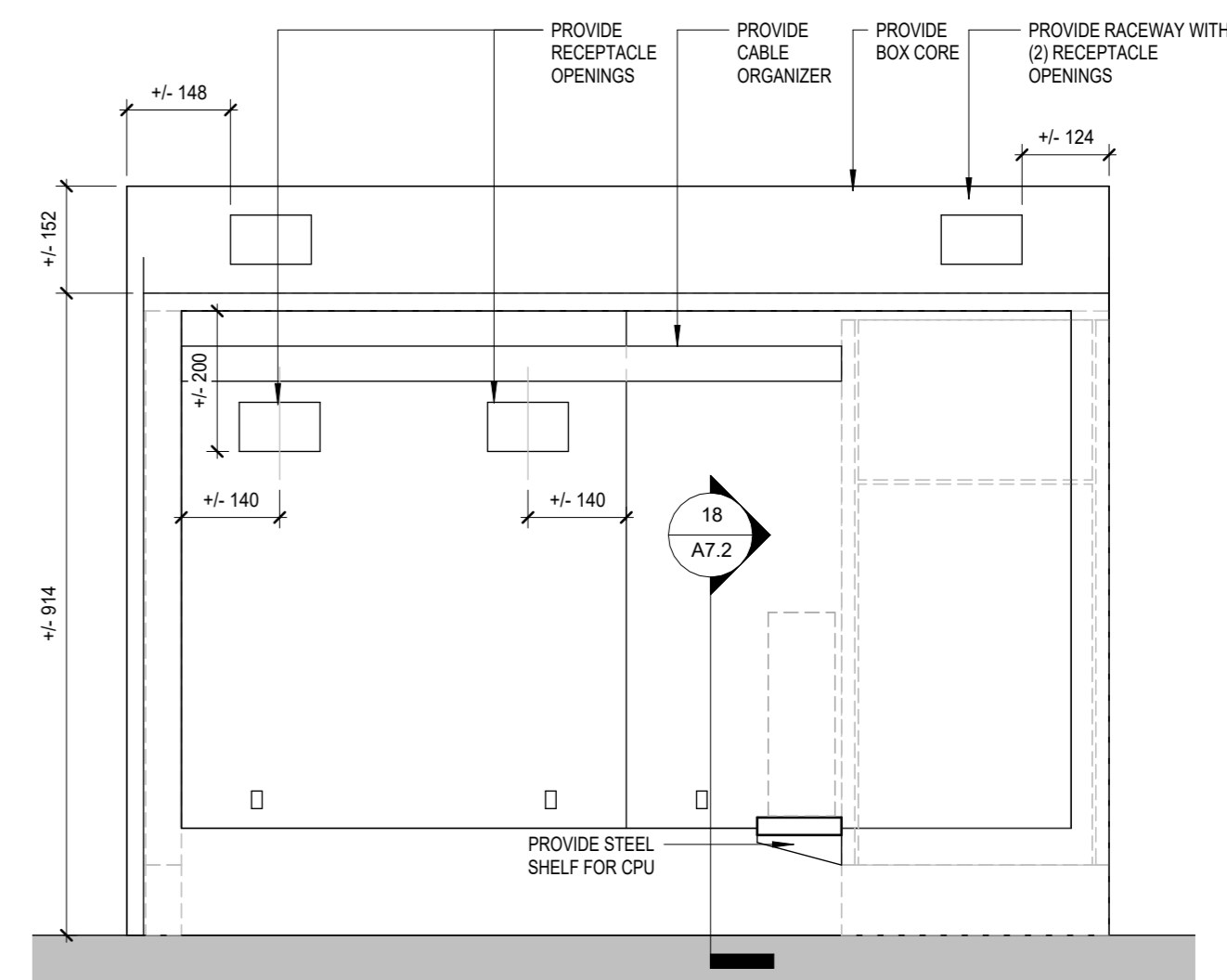


7 MW-2A COUNTERTOPS
A7.2 1 : 25

8 MW-1A, MW2A COUNTERTOP - SECTION
A7.2 1 : 10

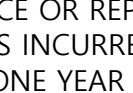
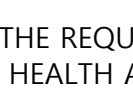
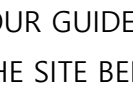

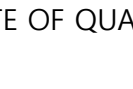
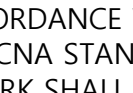
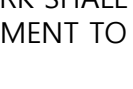

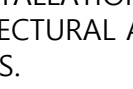
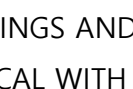

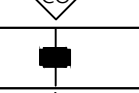
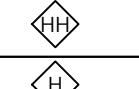
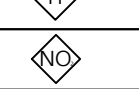

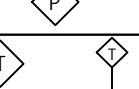
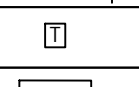
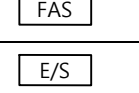

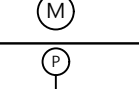
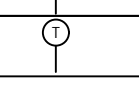
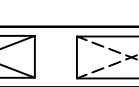
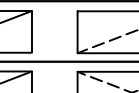


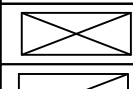
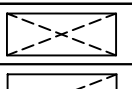
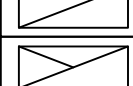
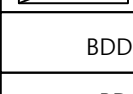
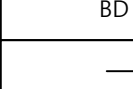
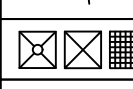


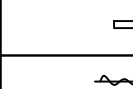
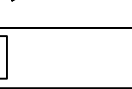

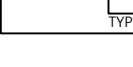
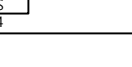

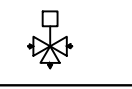
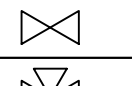
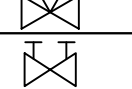

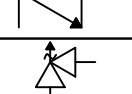
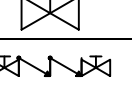
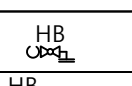
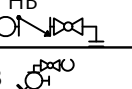
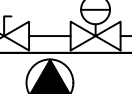
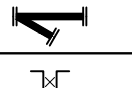
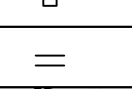
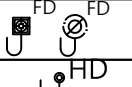

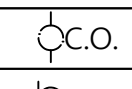

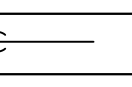
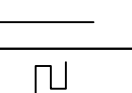
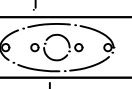
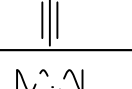
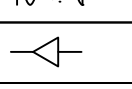
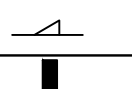
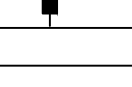

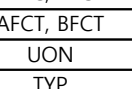
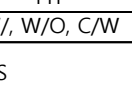
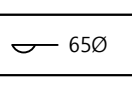
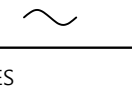
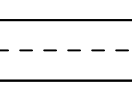
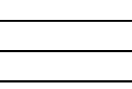
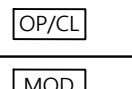
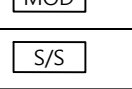
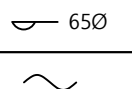
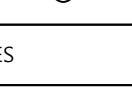
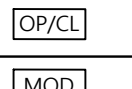
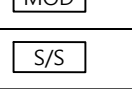
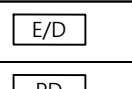
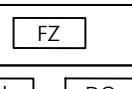


13 MW-4 WORKSTATION - CABINET SIDE VIEW
A7.2 1 : 10



14 MW-4A WORKSTATION - ISLAND PANEL LOWER BOX CORE
A7.2 1 : 10

project no. :	2512
scale :	As indicated
date :	08 AUGUST 2005
drawing no. :	A 7

GENERAL MECHANICAL CONDITIONS		
1.	CONTRACTOR IS RESPONSIBLE FOR ALL WORK, LABOUR, MATERIALS, TESTING TO DELIVER A COMPLETE AND FUNCTIONAL SYSTEMS, READY FOR OPERATION.	
2.	PERFORM WORK IN A CLEAN AND WORKMANLIKE MANNER. EXERCISE CARE TO DISRUPTION TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN THE CONSTRUCTION AREA.	
3.	THE DRAWINGS ARE INTENDED TO BE DIAGRAMMATIC AND ARE DEVELOPED ON THE INDICATED BASIS OF DESIGN EQUIPMENT. ALL ITEMS MAY NOT BE SHOWN OR NOT SHOWN IN THEIR EXACT LOCATION, OR WITH EXACT DIMENSIONS AND DETAILS. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.	
4.	FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND EXISTING CONDITIONS, REPORT THE CONDITIONS AND/OR ENGINEER.	
5.	CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF THEIR OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES.	
6.	PRIOR TO STARTING CONSTRUCTION, DETERMINE EXACT INVERT ELEVATION, SIZE, DEPTH AND LOCATION OF EXISTING UTILITIES WHERE CONNECTIONS ARE TO BE MADE OR INTERSECTIONS OCCUR. NOTIFY ENGINEER OF ANY DISCREPANCY BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS.	
7.	CONSTRUCT WORK TO ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK. CORRECT ANY WORK IN VIOLATION OF ABOVE.	
8.	INSTALL OR ERECT PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. OBTAIN WRITTEN INSTRUCTIONS DIRECTLY FROM MANUFACTURER.	
9.	PROVIDE AND MAINTAIN TEMPORARY FIRE PROTECTION DURING PERFORMANCE OF THE WORK.	
10.	MANUFACTURER AND/OR THIRD-PARTY AGENT AS NOTED IN DRAWINGS.	
11.	INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. PROVIDE SLEEVES AND ACCESS DOORS REQUIRED FOR THE SERVICING OF CONCEALED EQUIPMENT.	
12.	REMOVE AND RELOCATE EXISTING WORK AS REQUIRED, NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS MAY NOT BE COMPLETELY DETAILED ON THE DRAWINGS. CONTRACTOR TO SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP THE WORK PROPOSAL	
13.	SEAL ALL OPENINGS AROUND PIPES & DUCTS THROUGH PARTITIONS AND WALLS WITH APPROVED FIRESTOPPING MATERIAL.	
14.	GAS PIPING AND GAS VENTS SHALL CONFORM TO CSA B149.1 NATURAL GAS AND PROPANE INSTALLATION CODE WITH LATEST AMENDMENTS BY TSSA. PAINTING/BANDING OF GAS PIPING TO SATISFACTION OF AUTHORITIES HAVING JURISDICTION SHALL BE BY THIS CONTRACTOR.	
15.	CONSTRUCT WORK IN A MANNER SATISFACTORY TO THE OWNER.	
16.	REMOVE AND DISPOSE OF ALL EXISTING EQUIPMENT AS INDICATED, AS REQUIRED TO COMPLETE SCOPE OF WORK. VISIT SITE AND VERIFY SCOPE PRIOR TO SUBMITTING BID.	
17.	CLEAN FROM ALL FIXTURES AND EQUIPMENT DUST, DIRT, FINGER-PRINTS, PAINT, GREASE, CONSTRUCTION AND DEMOLITION DEBRIS. CLEAN AND TOUCH UP SURFACES OF SHOP-PAINTED EQUIPMENT SCRATCHED OR MARRED DURING SHIPMENT OR INSTALLATION, TO MATCH ORIGINAL FINISH.	
18.	COORDINATE WORK OF OTHER TRADES (ELECTRICAL, SPRINKLER, STRUCTURAL, ETC.). ENSURE THAT PROPER ARRANGEMENTS AND PROVISIONS ARE MADE FOR THIS WORK. COORDINATE MECHANICAL REQUIREMENTS OF ALL OWNER-SUPPLIED EQUIPMENT PRIOR TO ROUGH-IN.	
19.	ROOF CURB & OPENINGS: MECHANICAL CONTRACTOR SHALL SUPPLY ALL ROOF FLASHINGS, CURBS, STRUCTURAL SUPPORTS FOR ROOF OPENINGS AND COUNTER FLASHING FOR MECHANICAL EQUIPMENT AS REQUIRED FOR COMPLETION OF WORK.	
ELECTRICAL WIRING AND CONTROLS		
1.	ALL POWER WIRING FOR ALL MECHANICAL EQUIPMENT SHALL BE DONE BY DIVISION 26 - ELECTRICAL, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.	
2.	THE MECHANICAL DIVISION SHALL PROVIDE ALL STARTERS, RELAYS, CONTROL DEVICES, AND ANY BUILT-IN SAFETY SWITCHES. THE ELECTRICAL WILL PROVIDE ALL FIELD-MOUNTED SAFETY DISCONNECTS.	
3.	THE MECHANICAL DIVISION SHALL PROVIDE ALL CONNECTIONS AND WIRING FOR CONTROLS, AND INTERLOCKS.	
SUBSTITUTIONS		
1.	ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER. ALTERNATES MAY BE SUBMITTED IN PLACE OF SPECIFIED MECHANICAL EQUIPMENT. CONTRACTOR SHALL INCLUDE ALL SPECIFIED MAJOR EQUIPMENT IN THE BASE BID AND SHOW LINE ITEM PRICE REDUCTIONS FOR PROPOSED ALTERNATES. ALTERNATES FOR MINOR EQUIPMENT MAY BE SUBSTITUTED WITHOUT PRESENTING LINE ITEM PRICE REDUCTIONS. FINAL APPROVAL OF ALL ALTERNATES SUBJECT TO OWNER/ENGINEER REVIEW. SUBMIT ALL REQUESTED INFORMATION TO ENGINEER FOR REVIEW OF ALTERNATES.	
2.	CONTRACTOR IS RESPONSIBLE FOR ALL COSTS RELATED TO SUBSTITUTION TO DELIVER A COMPLETE AND FUNCTIONAL SYSTEM, READY FOR OPERATION. THIS INCLUDES CHANGES IN DUCT OR PIPING ARRANGEMENT OR SIZE, ELECTRICAL REQUIREMENTS (OVERCURRENT PROTECTION, WIRING, INTERLOCKS), REQUIRED ANCILLARY COMPONENTS, ADDITIONAL SUPPORTS, ETC.	
SUBMITTALS		
1.	SUBMIT EQUIPMENT AND FIXTURE SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO PURCHASE, INSTALLATION OR FABRICATION. DO NOT PROCEED UNTIL REVIEWED SHOP DRAWINGS ARE RETURNED FROM THE ENGINEER.	
2.	SUBSTITUTION OF ANY EQUIPMENT, HARDWARE OR FIXTURES WITHOUT PRIOR APPROVAL FROM THE ENGINEER IS PROHIBITED AND AT CONTRACTOR'S OWN RISK.	
3.	DRAWINGS TO CLEARLY INDICATE PROJECT NAME, EQUIPMENT NAME, RELEVANT DETAILS REQUIRED FOR REVIEW TO CONFIRM DESIGN INTENT.	
BALANCING		
1.	TEST, ADJUST, BALANCE ALL AIR MOVING EQUIPMENT, AIR DISTRIBUTION, HEATING SYSTEMS, EXHAUST SYSTEMS, EXHAUST AND MAKE-UP SYSTEMS, ALL HYDRONIC SYSTEMS AS SPECIFIED AND AS INDICATED ON DRAWINGS TO NEBB OR AABC STANDARD.	
2.	TAB SHALL NOT BEGIN UNTIL ALL SYSTEMS ARE COMPLETED AND IN FULL WORKING ORDER.	
3.	CHANGES TO FILTERS, DRIVES, AND DAMPERS OR THE ADDITION OF DAMPERS, CONTROL DEVICES OR GAUGES REQUIRED TO CORRECT BALANCE AS REQUIRED SHALL BE MADE AT NO ADDITIONAL COST TO OWNER.	
4.	PRIOR TO TAB, ALL EQUIPMENT AND SYSTEMS SHALL BE RUN THROUGH THEIR CYCLE TO CHECK FOR CORRECT WIRING AND SEQUENCING	
COMMISSIONING		
1.	TEST, ADJUST, STARTUP, AND PLACE INTO PROPER OPERATION ALL EQUIPMENT AND SYSTEMS INSTALLED UNDER THIS CONTRACT. PRIOR TO STARTUP ENSURE EQUIPMENT IS FREE OF DUST AND DEBRIS, ALL BEARINGS ARE LUBRICATED AND ALL PRECAUTIONS HAVE BEEN FOLLOWED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. DEMONSTRATION AND TRAINING.	
2.	DEMONSTRATE START-UP, OPERATION, CONTROL, ADJUSTMENT, TROUBLESHOOTING, SERVICING, AND MAINTENANCE OF EQUIPMENT AND SYSTEMS TO OWNER PERSONNEL. THIS INSTRUCTION IS TO BE BASED ON DATA INCLUDED IN THE OPERATIONS AND MAINTENANCE MANUALS (PREPARE AND INSERT ADDITIONAL DATA IN MANUALS WHEN NEED FOR ADDITIONAL DATA BECOMES APPARENT DURING INSTRUCTIONS). TRAINING MATERIAL TO INCLUDE "AS-BUILT" DRAWINGS, OPERATION MANUALS, AND MAINTENANCE MANUALS. OBJECTIVE OF TRAINING IS TO PROVIDE:	
2.1.	SAFE, RELIABLE, COST-EFFECTIVE, ENERGY-EFFICIENT OPERATION OF SYSTEMS UNDER ALL CONDITIONS.	
2.2.	EFFECTIVE ON-GOING INSPECTION AND MEASUREMENTS OF SYSTEM PERFORMANCE.	
2.3.	PROPER PREVENTATIVE MAINTENANCE, DIAGNOSIS, AND TROUBLE-SHOOTING.	
2.4.	ABILITY TO UPDATE DOCUMENTATION.	
CLOSEOUT DOCUMENTATION		
1.	SUBMIT A SET OF AS-BUILT DRAWINGS TO OWNER/ENGINEER.	
2.	PROVIDE COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT SUPPLIED. PROVIDE IN OWNER PREFERRED FORMAT.	
3.	PROVIDE A BALANCING REPORT FOR ALL AIR AND HYDRONIC SYSTEMS, PREPARED BY AN INDEPENDENT TESTING AND BALANCING COMPANY.	
WARRANTY		
1.	PROVIDE A WRITTEN WARRANTY TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED DUE TO DEFECTS IN WORKMANSHIP WHICH DEVELOP WITHIN ONE YEAR FROM THE DATE OF SUBSTANTIAL PERFORMANCE.	
HVAC		
1.	CARRY OUT WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE ONTARIO BUILDING CODE, OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS AND THE MINISTRY OF LABOUR GUIDELINES.	
2.	CHECK AND VERIFY ALL DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH ANY WORK.	
3.	SHEET METAL WORK MUST BE PERFORMED BY LICENSED SHEET METAL WORKERS POSSESSING A VALID CERTIFICATE OF QUALIFICATION FROM AUTHORITY HAVING JURISDICTION.	
4.	ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH CODE REQUIREMENT, AND TO ASHRAE AND SMACNA STANDARDS. ALL MATERIAL AND EQUIPMENT SHALL BE NEW. DUCTWORK SHALL BE OF GAUGES AS OUTLINED BY SMACNA STANDARDS. EQUIPMENT TO BE AS OUTLINED ON THE DRAWINGS.	
5.	LOCATION OF DUCTWORK AND EQUIPMENT.	
5.1.	INSTALL AS REQUIRED FOR PROPER INSTALLATION IN AVAILABLE SPACE AVOIDING, INTERFERENCE WITH ARCHITECTURAL AND STRUCTURAL MEMBERS AND WORK OF OTHER TRADES.	
5.2.	PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGE WAYS CLEAR.	
5.3.	DUCTS IN A NEAT MANNER, SYMMETRICAL WITH BUILDING LINES, LIGHTS, CEILING TILE PATTERN, ETC.	
5.4.	DRAWINGS ARE DIAGRAMMATIC AND APPROXIMATE AND ARE SUBJECT TO REARRANGEMENT FOR PROPER INSTALLATION. DUCTWORK AND PIPING MAY BE SHOWN DISTORTED TO AVOID CONFUSION.	
5.5.	LOCATE DIFFUSERS AND GRILLES IN ACCORDANCE WITH LIGHTING AND OTHER CEILING DEVICES.	
5.6.	PROVIDE ACCESS DOORS IN FINISHES WALLS AND CEILINGS FOR ACCESS TO CONCEALED DAMPERS, EQUIPMENT.	
5.7.	MAINTAIN A CLEAN PREMISES INCLUDING REMOVAL OF SCRAPS AND INSTALLATION RELATED DEBRIS FROM AREA. LEAVE ENTIRE INSTALLATION IN A NEAT, CLEAN AND USABLE CONDITION.	
5.8.	HOIST AND SET IN PLACE OF ALL FURNISHED HEATING, AIR CONDITIONING, EXHAUST AND MAKE-UP AIR EQUIPMENT, UNLESS OTHERWISE SPECIFIED. REVIEW HOISTING AND RIGGING PLAN WITH OWNER.	
5.9.	SUPPORT ALL DUCTWORK.	
5.10.	ALL DUCT JOINTS, SEAMS, FITTINGS, ETC. SHALL BE SEALED TO SEAL CLASS A, TO ENSURE WATER AND AIR TIGHTNESS WITH DUCT SEALANT CARLISLE DUCT-SEAL 321 OR EQUAL, APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.	
5.11.	USE DUCT SIZES AS SHOWN OR EQUIVALENT AS REQUIRED TO SUIT SITE CONDITIONS.	
5.12.	DUCT CONNECTIONS TO ALL EQUIPMENT (EXCEPT EXHAUST FANS UNDER 150 CFM) IS TO BE COMPLETE WITH FLEXIBLE DUCT CONNECTORS, DURO-DYNE SUPER METAL-FAB OR EQUAL CONSISTING OF 3", 24 GAUGE GALVANIZED SHEET METAL FRAME WITH 6" WIDE FLEXIBLE NEOPRENE FABRIC TO UL STANDARDS.	
5.13.	ALL OPERABLE THERMOSTATS AT BARRIER FREE HEIGHT OF 1100-MM ABOVE FINISHED FLOOR UNLESS OTHERWISE INDICATED.	
5.14.	DUCT INSULATION: PROVIDE INSULATION TYPES AND THICKNESS ACCORDING TO TABLES.	
5.15.	FIRE/SMOKE DAMPERS: DYNAMIC FIRE DAMPERS SHALL BE U.L.C. APPROVED AND INSTALLED AS PER MANUFACTURER'S REQUIREMENTS AND IN ACCORDANCE WITH OBC REQUIREMENTS. VENTEX OR EQUAL. INSTALL WHERE SHOWN OR AS NOTED ON THE DRAWING.	
5.16.	LOCATE DIFFUSERS, GRILLES & REGISTERS TO SUIT LIGHTING AND CEILING PLAN.	
5.17.	PROVIDE FLEXIBLE CONNECTIONS BETWEEN ALL DUCTWORK AND VIBRATING EQUIPMENT, INCLUDING FANS.	
5.18.	VIBRATION ISOLATION HANGERS AND SUPPORTS SHALL BE USED TO INSTALL ALL VIBRATING EQUIPMENT, INCLUDING FANS. HYDRONIC SYSTEMS	
HYDRONIC PIPING		
1.	HYDRONIC PIPING: MATERIALS AND INSULATION THICKNESS AS INDICATED.	
2.	PROVIDE AND INSTALL ALL NECESSARY ACCESSORIES INCLUDING BUT NOT LIMITED TO CIRCUIT BALANCE VALVES, CONTROL VALVES, STRAINERS, AIR VENTS, DIRT SEPRATATORS, PUMPS, CHECK VALVES, GAUGES, CONTROL PANELS, WIRING, EXPANSION TANKS, FILTERS, CHEMICAL POT FEEDERS, ISOLATION VALVES, DRAINS, UNIONS, HANGERS, SUPPORTS, AS SHOWN AND AS REQUIRED.	
3.	PROVIDE ALL ISOLATION VALVES, UNIONS, DRAIN AND FILL VALVES TO ALLOW ISOLATION OF EQUIPMENT FOR MAINTENANCE AND AS REQUIRED BY THE MANUFACTURERS INSTRUCTIONS.	
4.	PROVIDE AND INSTALL AUTOMATIC AIR VENTS AT THE TOP OF SUPPLY AND RETURN RISERS, AT HIGHEST ELEVATION OF SYSTEM, AND ANY LOCATION WHERE AIR CAN BE TRAPPED. INSTALL AUTOMATIC AIR VENTS WITH ISOLATION VALVES.	
PLUMBING AND DRAINAGE		
1.	DOMESTIC WATER PIPING: PIPING MATERIALS AS INDICATED CONFORMING TO THE ONTARIO BUILDING CODE. DOMESTIC WATER PIPE SIZING AS SHOWN ON DRAWINGS IS BASED ON COPPER PIPING.	
2.	WATER AND HOT WATER RECIRCULATION MAINS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.	
3.	PROVIDE ISOLATION VALVES FOR ALL PLUMBING FIXTURES.	
4.	ALL ISOLATION VALVES 2"Ø (DIAMETER) AND SMALLER SHALL BE QUARTER-TURN BALL VALVE TYPE.	
5.	DRAIN/WASTE/VENT (DWV) PIPING: ALL SANITARY AND VENT PIPING SHALL CONFORM TO THE ONTARIO BUILDING CODE. PIPING MATERIALS AS INDICATED CONFORMING TO THE ONTARIO BUILDING CODE.	
6.	PLUMBING VENT PIPING IS NOT INDICATED ON THE LAYOUT DRAWINGS. PROVIDE VENTING FOR ALL FIXTURES ACCORDING TO CODE REQUIREMENTS.	
7.	CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING RUN THROUGH THE ROOF.	
8.	STORM PIPING: ALL STORM DRAINAGE PIPING SHALL CONFORM TO THE ONTARIO BUILDING CODE.	
9.	ALL STORM AND SAN PIPING SHALL BE INSTALLED AT MIN. 2% SLOPE UNLESS NOTED OTHERWISE/OTHERWISE REQUIRED BY CODE.	
10.	ALL PIPING, FITTINGS AND VALVES INSTALLED IN A CEILING RETURN AIR PLENUM MUST HAVE A FLAME SPREAD OF 25 OR LESS AND A SMOKE DEVELOPMENT OF 50 OR LESS.	
11.	PIPE INSULATION: PREFORMED PIPE INSULATION COMPLETE WITH VAPOUR RETARDER AND A MAXIMUM FLAME SPREAD OF 25 AND SMOKE DEVELOPED RATING OF 50 SHALL BE APPLIED TO ALL PIPING WITH THE FOLLOWING INSULATION THICKNESSES BASED ON SYSTEM TEMPERATURES.	
12.	THERMALLY INSULATE THE FIRST 10 FT OF STORM PIPING FROM ROOF DRAINS.	
13.	SITE SERVICES: EXTEND ALL SERVICES (WATER, STORM, SANITARY) FROM THE BUILDING AS SHOWN ON THE DRAWING. COORDINATE ALL INVERTS ON SITE WITH SITE SERVICING CONTRACTOR.	
14.	ALL FLOOR DRAINS AND HUB DRAINS ARE TO BE PRIMED AND COMPLETE WITH TRAP. PROVIDE TRAP PRIMERS AS REQUIRED.	
15.	PROVIDE CLEANOUTS AT THE BASE OF ALL SANITARY DRAINAGE AND STORM PIPING. CLEANOUTS SHALL EXTEND THROUGH AND TERMINATE FLUSH WITH THE FINISHED WALL OR FLOOR.	
16.	PROVIDE WATER HAMMER ARRESTERS AT THE TOP OF ALL RISERS.	
17.	PROVIDE HEAT TRAPS ON INDIRECT DOMESTIC WATER TANKS IF NOT INCLUDED INTERNAL TO TANK.	
BUILDING AUTOMATION SYSTEM (BAS)		
1.	THE CONTROL SYSTEM SHALL CONSIST OF A HIGH-SPEED, PEER-TO-PEER NETWORK OF LOCAL EQUIPMENT CONTROLLERS, CENTRAL PLANT CONTROLLERS, CONTROL SYSTEM SERVER AND AN OPERATOR INTERFACE. THE OPERATOR INTERFACE SHALL PROVIDE FOR OVERALL SYSTEM SUPERVISION AND CONFIGURATION, GRAPHICAL USER INTERFACE, MANAGEMENT REPORT GENERATION, AND ALARM ANNUNCIATION.	
2.	APPROVED MANUFACTURERS:	
2.1.	DELTA CONTROLS ENTILWEB/JACE 9000	
3.	PROVIDE NETWORK CABLING AS REQUIRED TO INTEGRATE SYSTEMS. REVIEW WITH OWNER'S IT GROUP TO USE BUILDING IT INFRASTRUCTURE.	
4.	PROVIDE WIRING, PLENUM CABLE, AND RACEWAYS AS REQUIRED. ALL INSULATED WIRE TO BE COPPER CONDUCTORS, UL LABELED FOR 90°C MINIMUM SERVICE. ALL WIRING SHALL COMPLY WITH ELECTRICAL CODES.	
5.	PROVIDE PROGRAMMING, SCHEDULING, REPORTING TO ACHIEVE DESIRED SEQUENCES OF OPERATION.	
6.	THE PROJECT PLANS SHALL BE THOROUGHLY EXAMINED FOR CONTROL DEVICE AND EQUIPMENT LOCATIONS. ANY DISCREPANCIES, CONFLICTS, OR OMISSIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION BEFORE ROUGH-IN WORK IS STARTED	
7.	FIELD INSTALL ALL DEVICES AS REQUIRED TO MAUFACTURERS INSTRUCTIONS.	
8.	PROVIDE DEVICE LABELLING TO OWNER'S PREFERRED SCHEME.	
9.	PRIOR TO ACCEPTANCE, THE CONTROL SYSTEM SHALL UNDERGO A SERIES OF PERFORMANCE TESTS TO VERIFY OPERATION AND COMPLIANCE WITH THIS SPECIFICATION. THESE TESTS SHALL OCCUR AFTER THE CONTRACTOR HAS COMPLETED THE INSTALLATION, STARTED UP THE SYSTEM, AND PERFORMED HIS/HER OWN TESTS.	
10.	PROVIDE TRAINING TO OPERATIONS STAFF ON DAY-TO-DAY OPERATIONS OF THE SYSTEMS.	
MECHANICAL SCOPE OF WORK:		
1.	DEMOLISH EXISTING DUCTWORK AS INDICATED INCLUDING VAV BOXES, DIFFUSERS.	
2.	DEMOLISH EXISTING VAV BOXES AND SUPPLY DUCTWORK IN B111A and B111B.	
3.	DECOMMISSION EXISTING BAS CONTROLS AS INDICATED.	
4.	PROVIDE PLUMBING INCLUDING PLUMBING FIXTURES, TRANCHING, SANITARY DRAINAGE AND VENTING, ROOF JACKS.	
5.	PROVIDE HVAC INCLUDING SUPPLY DUCTWORK, RETURN AIR DAMPER, EXHAUST FAN AND DUCTWORK, GRILLES AND DIFFSUERS, RADIANT PANELS, VAV BOXES WITH REHEAT COILS.	
6.	PROVIDE CONTROLS FOR NEW AND EXISTING VAV BOXES, EXISTING AIR HANDLER INCLUDING CONTROLLERS, WIRING, INTERLOCKS, PROGRAMMING OF CONTROL SEQUENCES, GRAPHICS, TRENDING, COMMISSIONING.	
7.	PROVIDE AIR TESTING AND BALANCING OF NEW HVAC IN B111B and B111A.	
8.	PROVIDE HYDRONIC TESTING AND BALCNING OF PIPING TO RADIANT PANELS AND REHEAT COILS IN B111A and B11B.	
PIPE LEGEND		
ABBREVIATIONS		
DCW/DHW/DHWR	DOMESTIC COLD WATER/DOMESTIC HOT WATER/DOMESTIC HOT WATER RECIRC	
CWS/CWR	COLD WATER SUPPLY/COLD WATER RETURN	
HWS/HWR	HOT WATER SUPPLY/HOT WATER RETURN	
SHS/SMR	SNOW MELT SUPPLY/SNOW MELT RETURN	
SAND/SANV	SANITARY DRAINAGE/SANITARY VENTING	
STRM	STORM DRAINAGE	
LINETYPES		
----	DOMESTIC COLD WATER PIPE	
----	DOMESTIC HOT WATER PIPE	
----	SANITARY DRAIN PIPE	
----	SANITARY VENT PIPE	
----	STORM DRAIN PIPE	
----	DOMESTIC HOT WATER RECIRCULATION PIPE	
----	NON-POTABLE HOT WATER SUPPLY PIPE	
----	NON-POTABLE HOT WATER RETURN PIPE	
----	NON-POTABLE COLD WATER SUPPLY PIPE	
----	NON-POTABLE COLD WATER RETURN PIPE	
----	49°C DOMESTIC HOT WATER PIPE	
----	60°C DOMESTIC HOT WATER PIPE	
----	49°C DOMESTIC HOT WATER RECIRCULATION PIPE	
----	60°C DOMESTIC HOT WATER RECIRCULATION PIPE	
----	2-PIPE HVAC WATER SUPPLY	
----	2-PIPE HVAC WATER RETURN	
----	GAS PIPING	
FIRE PROTECTION SYBMBOLS LEGEND		
SPRINKLER HEADS		
	SPRINKLER HEAD - NEW	
	SPRINKLER HEAD - TO BE DEMOLISHED	
	SPRINKLER HEAD - EXISTING TO REMAIN	
FIRE SUPPRESSION CONTROL		
	SUPERVISED O.S.&Y. VALVE WIRED TO ANNUNCIATOR PANEL (BY DIV. 16)	
	CHECK VALVE WITH BALL DRIP	
	UNION	
	DRY VALVE WIRED TO ANNUNCIATOR PANEL (BY DIV. 26)	
	WET VALVE WIRED TO ANNUNCIATOR PANEL (BY DIV. 26)	
	FLOW SWITCH WIRED TO ANNUNCIATOR PANEL (BY DIV. 26)	
	PRESSURE GAUGE	
	PRESSURE SWITCH WIRED TO FIRE ANNUNCIATOR PANEL (BY DIV. 26)	
SENSOR, METER, AND GAUGE SYMBOLS		
	AIR FLOW SENSOR	
	CARBON MONOXIDE SENSOR	
	FLOW SENSOR	
	HIGH HUMIDITY SENSOR	
	HUMIDITY SENSOR	
	NITROUS DIOXIDE SENSOR	
	OCCUPANCY SENSOR	
	PRESSURE SENSOR	
	TEMPERATURE SENSOR	
	THERMOSTAT	
	FIRE ALARM SWITCH	
	END SWITCH	
	GAS METER	
	WATER METER	
	PRESSURE GAUGE	
	TEMPERATURE GAUGE	
HVAC LEGEND		
	SUPPLY AIR DUCT (UP / DOWN)	
	RETURN AIR DUCT (UP / DOWN)	
	EXHAUST AIR DUCT (UP / DOWN)	
	DAMPER - BACKDRAFT	
	DAMPER - MANUAL/BALANCING	
	DAMPER - FIRE	
	DAMPER - FIRE AND SMOKE	
	DAMPER - MOTORIZED	
	FLEX DUCT	
	DIFFUSER/GRILLE - EXHAUST/RETURN/SUPPLY AIR CEILING	
	DIFFUSER/GRILLE - EXHAUST/RETURN/SUPPLY AIR WALL	
	DIFFUSER/GRILLE - EXHAUST/RETURN/SUPPLY WALL BOX	
	DIFFUSER - ROUND	
	DIFFUSER - LINEAR	
	AIR FLOW DIRECTION	
	LOUVRE - INTAKE	
	EXHAUST FAN	
	TAG - DIFFUSER/GRILLE	
PLUMBING SYMBOL LEGEND		
	VALVE - CONTROL	
	VALVE - THERMOSTATIC MIXING	
	VALVE - SHUTOFF	
	VALVE - 3-WAY	
	VALVE - CIRCUIT BALANCING	
	VALVE - BALL	
	VALVE - SWING CHECK	
	VALVE - PRESSURE RELIEF	
	VALVE - TEMPERATURE AND PRESSURE RELIEF	
	DRAIN VALVE	
	BACKFLOW PREVENTER	
	HOSE BIBB	
	HOSE BIBB WITH CHECK VALVE	
	HOSE BIBB WITH VACUUM BREAKER	
	VACUUM BREAKER	
	GAS PRESSURE REGULATOR WITH GAS COCK	
	PUMP	
	VARIABLE SPEED PUMP	
	Y TYPE STRAINER	
	THERMOWELL	
	PIPE TO DRAIN	
	DRAIN - FLOOR	
	DRAIN - HUB	
	DRAIN - ROOF	
	DRAIN - ROOF FLOW CONTROL	
	P-TRAP	
	RUNNING TRAP	
	CLEANOUT - INLINE	
	CLEANOUT - WALL/END	
	ELBOW UP	
	ELBOW DOWN	
	CAPPED PIPE	
	HEAT TRAP	
	GREASE INTERCEPTOR	
	UNION	
	FLEXIBLE JOINT	
	CONCENTRIC REDUCER	
	ECCENTRIC REDUCER	
	WATER HAMMER ARRESTOR	
GENERAL LEGEND		
ABBREVIATIONS		
AFF, BFF	ABOVE FINISHED FLOOR, BELOW FINISHED FLOOR	
AFC, BFC	ABOVE FINISHED CEILING, BELOW FINISHED CEILING	
AFCT, BFCT	ABOVE FINISHED COUNTERTOP, BELOW FINISHED COUNTERTOP	
UNON	UNLESS OTHERWISE NOTED	
TYP	TYPICAL	
W/; W/O; C/W	WITH; WITHOUT, COMPLETE WITH	
SYMBOLS		
	TAG - DIMENSION	
	LINE CONTINUATION	
LINETYPES		
----	DEMO	
----	EXISTING	
----	NEW	
CONTROL SIGNALS		
	OPEN/CLOSE	
	MODULATING	
	START/STOP	
	ENABLE/DISABLE	
	PRESSURE DIFFERENTIAL	

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										
TAG	MAX AIRFLOW [L/s]	INLET DIAMETER [mm]	VOLTAGE [V/Ph/Hz]	FAN POWER [HP]	DIMENSIONS (L/W/H) [mm]	SHIPPING WEIGHT [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
VAV12	1227	350	N/A	N/A	638/406/381		PRICE	SDV	12 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 [L/s]	NECK SIZE [mm]	DIMENSIONS (W/H) [mm]	WEIGHT [kg]	MAKE	MODEL	NOTES
S	AS INDICATED	SQUARE PLAQUE DIFFUSER	AS INDICATED		AS INDICATED		PRICE	SPD	WHITE FINISH, T-BAR LAY-IN
R	AS INDICATED	EGG CRATE GRILLE	AS INDICATED		AS INDICATED		PRICE	80	WHITE FINISH, T-BAR LAY-IN, 0" CORE
E	AS INDICATED	STEEL LOUVERED GRILLE	AS INDICATED		AS INDICATED		PRICE	530	WHITE FINISH, T-BAR LAY-IN, 45" CORE

CONTROL DAMPER SCHEDULE					
VALVE	QTY	LOCATION	SIZE W/H/D [mm]	MAKE	MODELS
RA_CD	1	B11a	850/300/100	VENTEX	4000

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
EF	INLINE EXHAUST FAN	689	125			0.365	120/1/60		533/450/450	45.0	GREENHECK

LOUVRE SCHEDULE									
TAG	QUANTITY	LOCATION	AIR FLOW [L/s]	FREE AREA [%]	DIMENSIONS (L/W/D) [mm]	MAKE	MODEL	NOTES	
LV1	1	PATHOLOGY ROOM EXHAUST	687	53.2%	609/406/50	VENTEX	2215	FLANGE MOUNT, COLOUR SELECTED BY OWNER	

CEILING RADIANT PANEL SCHEDULE						
TAG	CAPACITY [W]	DIMENSION (L/W/H) [mm]	SHIPPING WEIGHT [kg]	MAKE	MODEL	NOTE
RH1	1125	6600/300/39	14.7	SIGMA	SLC	2 TUBE PASSES

CONTROL VALVE SCHEDULE							
VALVE	QTY	LOCATION	SIZE [mm]	CV	MAKE	MODELS	NOTES
CV_RP	2	B111a, B111b RADIANT PANELS	15	1.4	BELIMO	Z2050Q-F/CQX24-3	
CV_VAV_RH	2	B111a, B111b VAV BOX REHEAT COILS	15	1.4	BELIMO	Z2050Q-F/CQX24-3	

PIPING MATERIALS SCHEDULE			
SERVICE	MATERIAL	INSULATION	FINISH
DHW/DCW/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	
		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 WH 8.3L/MIN (2.2 USGPM) PRESSURE COMPENSATING AERATOR
							ZURN ZH8820-XL-R-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
S2	TRIPLE COMPARTMEN T SINK	15 (1/2")	15 (1/2")	32 (1-1/4")	32 (1-1/4")		SEMI-CAST P-TRAPS WITH WALL BEND
HB	HOSE BIBB	20 (3/4")					ZURN Z8702-9BD 38 (1 1/2") CAST BRASS ADJUSTABLE P-TRAP, 38 (1 1/2") WITH CLEANOUT, DEEP SEAL FLANGE, POLISHED CHROME FINISH
FD	FLOOR DRAIN			50 (3")			GUARDIAN EQUIPMENT G1100 FAUCET-MOUNTED EYEWASH, BRASS DIVERTER VALVE, FURNISHED WITH REMOVABLE AERATOR AND ADAPTER
							STAINLESS STEEL SINK WITH 3 FAUCETS
							RSM INC. STAINLESS STEEL SINK #WBB230528, 3 STATION W/ MANUAL FAUCETS, ROUND LEGS 60"L X 20"W X 8"D, INCLUDES MANUAL FAUCET AND 40OZ SOAP DISPENSER, WALL HUNG
							EYEWASH STATION
							GUARDIAN EQUIPMENT G1100 FAUCET-MOUNTED EYEWASH, BRASS DIVERTER VALVE, FURNISHED WITH REMOVABLE AERATOR AND ADAPTERS
							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	None	None	Heating-Only Ducts	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
			Cooling-Only Ducts	R-1.41	R-0.62	None	R-0.62
1 2 3 4 5, 6 7, 8	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-0.34	None	None
	R-0.62	R-0.62	R-1.06	R-0.34	R-0.34	None	None
	R-1.06	R-1.06	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
			Return Ducts				
1 to 8	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	R-1.06	R-1.06	Supply Ducts	R-0.62	R-0.62	None	R-0.62
	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	R-1.41	R-1.41	R-1.41	R-0.34	R-1.06	None	R-1.06
			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	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
	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	0.030-0.039	24	15	15	25	25	25
	0.029-0.037	10	15	25	25	25	40

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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXAdvance.com

CLIENT: CHERIE NG ARCHITECT INC.

OWNER: SHERIDAN COLLEGE



DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

SITE: SHERIDAN COLLEGE - DAVIS CAMP

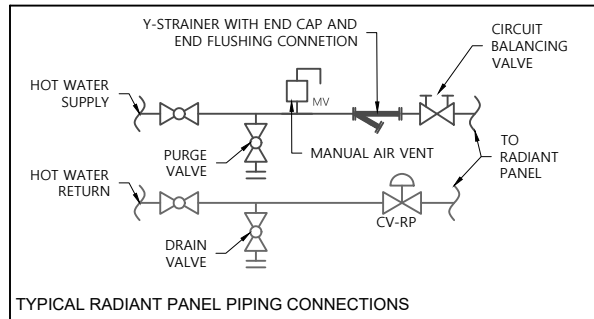
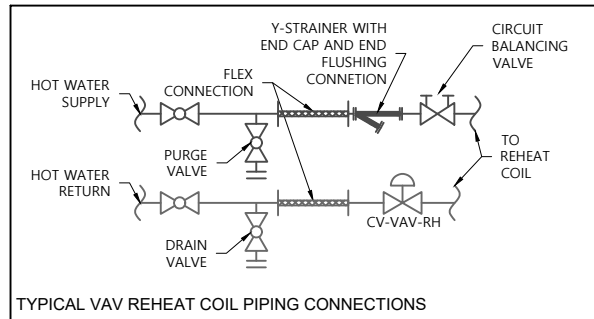
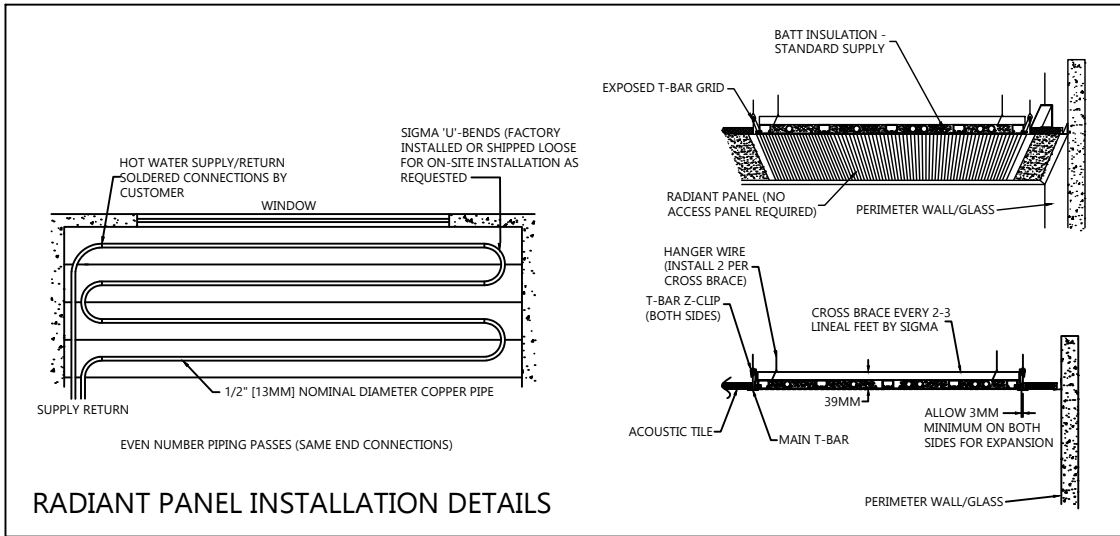
7899 MCLAUGHLIN RD
BRAMPTON, ONTARIO L6Y 5H9

PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS
RENOVATION

TITLE: MECHANICAL
MECHANICAL SCHEDULES

N/A SL JD
SCALE AT ARCH D: DRAWN: CHECKED:

25220 M101
PROJECT NO: DRAWING NO: REVISION: C



UL APPROVED BREAKAWAY DUCT CONNECTIONS

RECTANGULAR BREAKAWAY STYLE TRANSVERSE JOINTS

Transverse joints illustrated in Figure 1 to the right have always been approved as breakaway connections. SMACNA testing has also approved the following variations as breakaway connections.

- All joints in Figure 1 can be applied with #10 sheet metal screws (through joint and duct) subject to the following limitations: maximum 2 screws in each side and in bottom joint.
- Transverse joints illustrated can be applied as top and bottom joints with Drive Slip shown in Figure 2 - side joints in duct heights up to 20 inches (508mm).

ROUND & OVAL DUCT BREAKAWAY CONNECTIONS

Round or flat oval ducts connected to Type R, CR or CO damper collars shall be #10 sheet metal screws as follows:

- Ducts to 22" (558mm) wide (or diameter) and smaller may use 3 screws.
- Ducts larger than 22" (558mm) wide (or diameter) and up to 30" (914mm) wide (or diameter) may use 5 screws.
- Ducts larger than 30" (914mm) wide (or diameter) may use 8 screws.

NOTE: When optional wiring of these joints is desired, the following systems may be applied in accordance with the system manufacturer's instructions: Design Polymeric - (DPS15).

MANUFACTURED FLANGED SYSTEM BREAKAWAY CONNECTIONS:

Flanged connection systems manufactured by Ductmate, Ward and Neuma are approved as breakaway connections when installed as illustrated in Figure 3.

PROPRIETARY FLANGE SYSTEM BREAKAWAY CONNECTIONS:

TDC and TDF systems are approved as breakaway connections when installed as described in the TDC or TDF addendum to the SMACNA Duct Construction Standards. Standard #1 (152 mm) metal dip may be used with spacing as shown in Figure 4. Three-eighths inch (10mm) metal bolts and nuts may be used to fasten together corner pieces.

FIGURE 1

Diagram illustrating the typical transverse joints for rectangular breakaway style duct connections.

FIGURE 2

Diagram illustrating the typical transverse joints for round and oval duct breakaway connections.

FIGURE 3

Diagram illustrating the typical transverse joints for manufactured flanged system breakaway connections.

FIGURE 4

Diagram illustrating the typical transverse joints for proprietary flange system breakaway connections.

CONNECTIONS OF DISSIMILAR PROPRIETARY FLANGE SYSTEMS:

These instructions are for NCA fire and combination fire/smoke damper connections. They apply to the connection between a manufactured flange system by Ward, Ductmate, Neuma, TDC and TDF. These connections allow the combining of metal flange types or like for like. These instructions may be used with 20 ga. damper sleeves connecting to 20 ga. and lighter ducts.

The following instruction depicts the use of metal or plastic cleats, butyl or neoprene gasket, and bolted or non-bolted corners. The flanges may also be connected using #10 screws without cleats.

- Install the manufactured flange system onto the damper sleeve or duct per the manufacturer's installation instructions.
- Seal the two flange systems together. Neoprene or Butyl gasket may be applied to the mating surfaces.
- Align the two flange systems together. A 3/8" (9.5mm) bolt may be used in the corners to help with the alignment. The bolt does not have to be removed. Bolted corners are permitted.
- Install the cleat or #10 tek screw, approximately equally spaced, per Table 1.

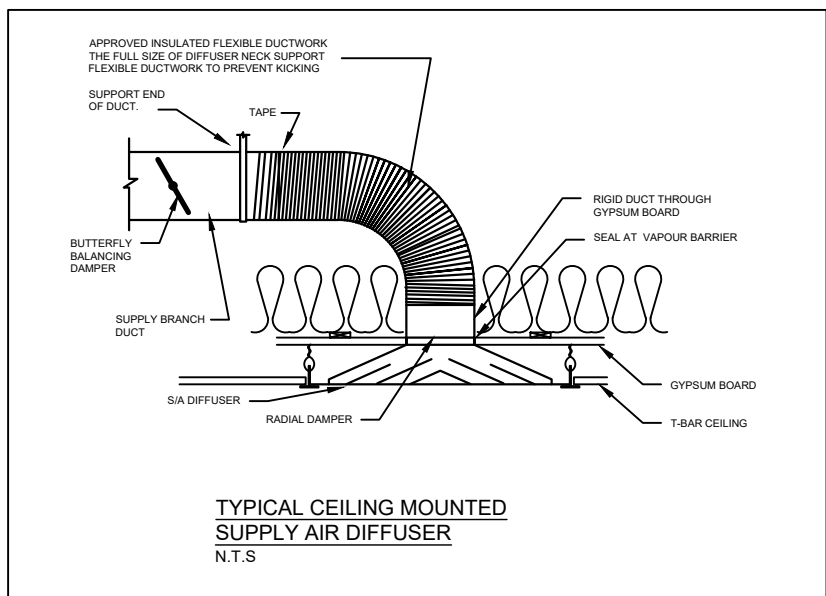
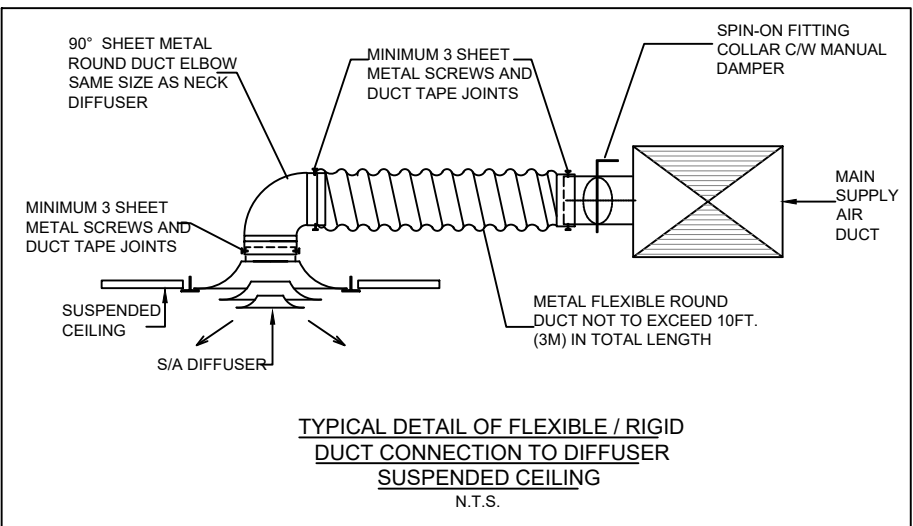
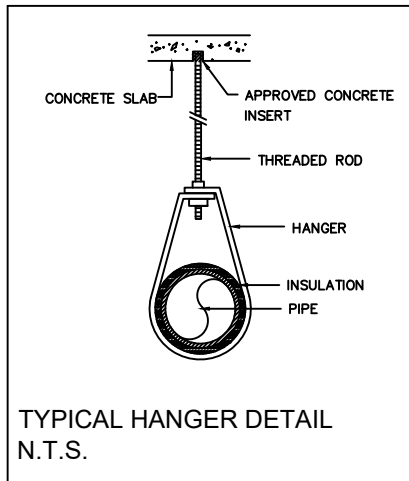
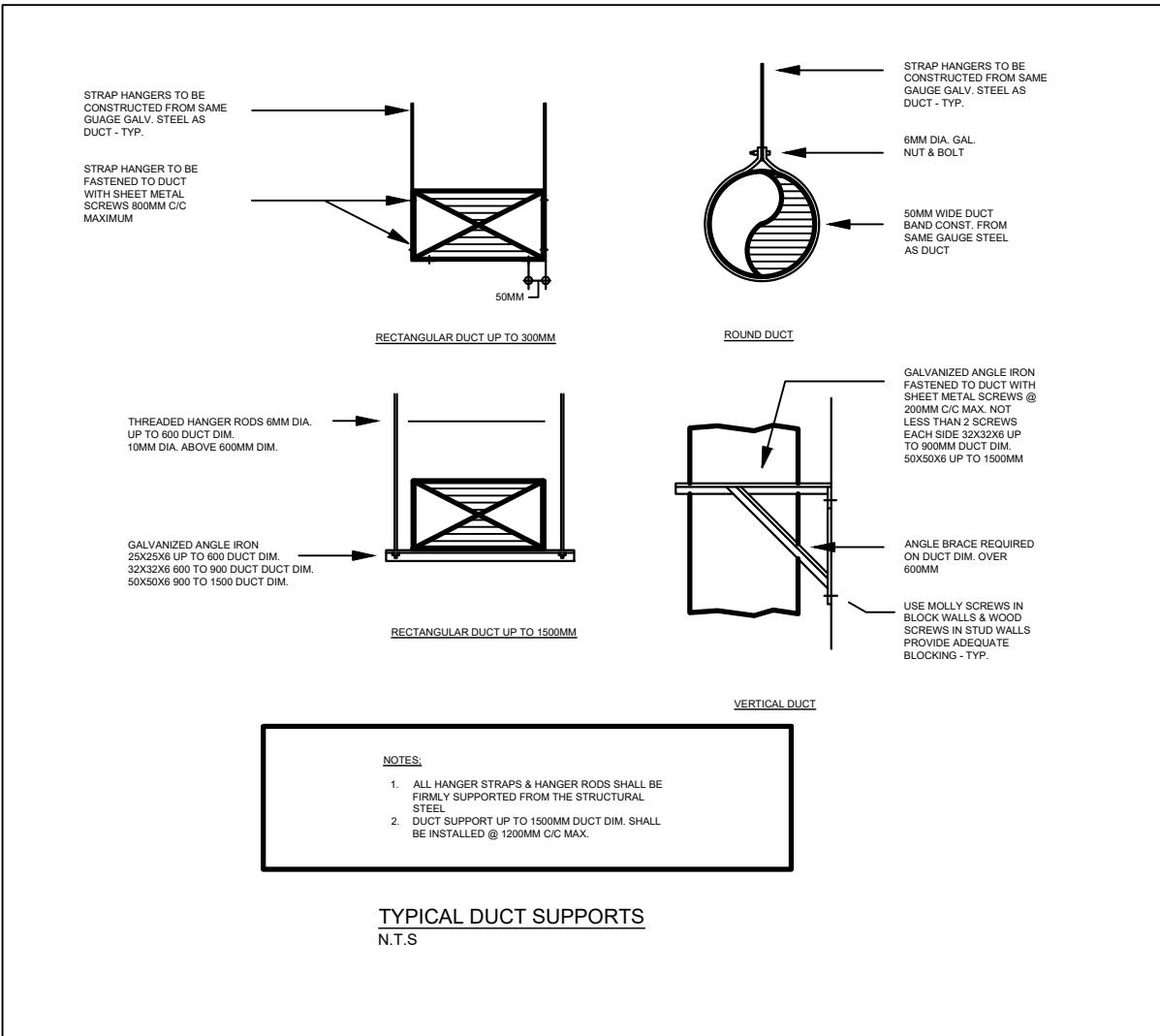
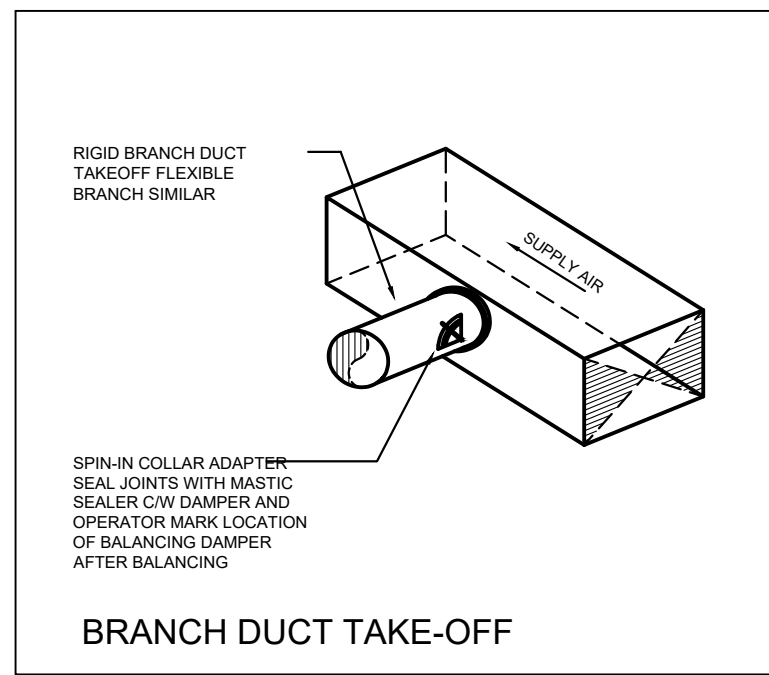
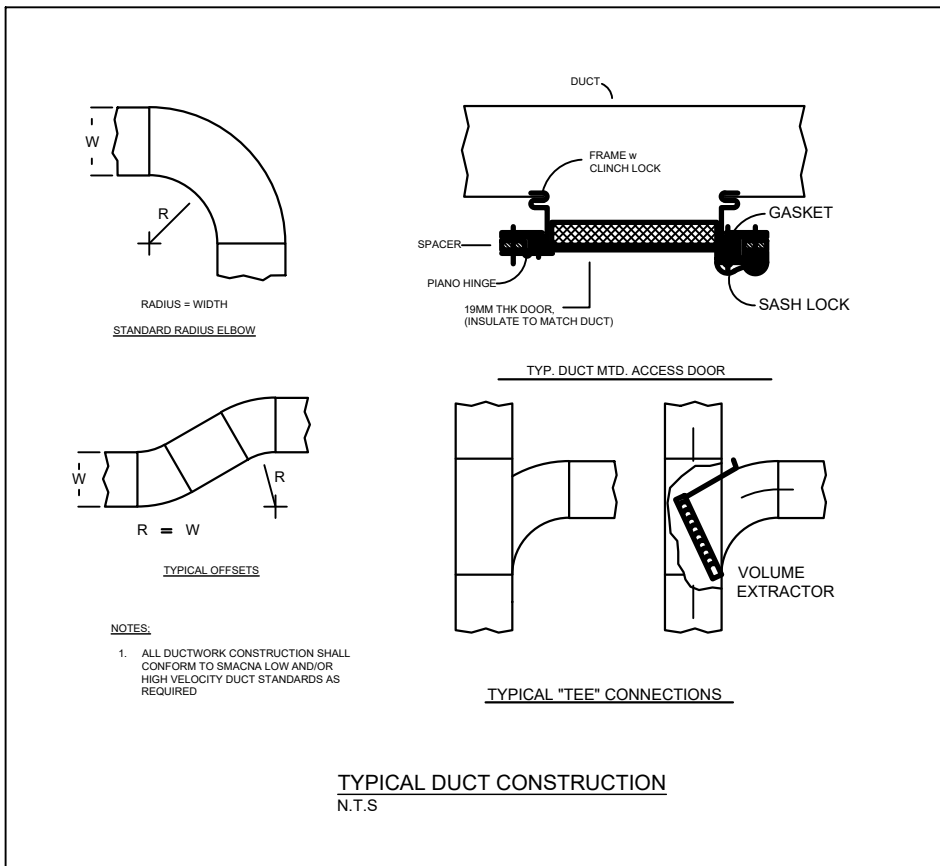
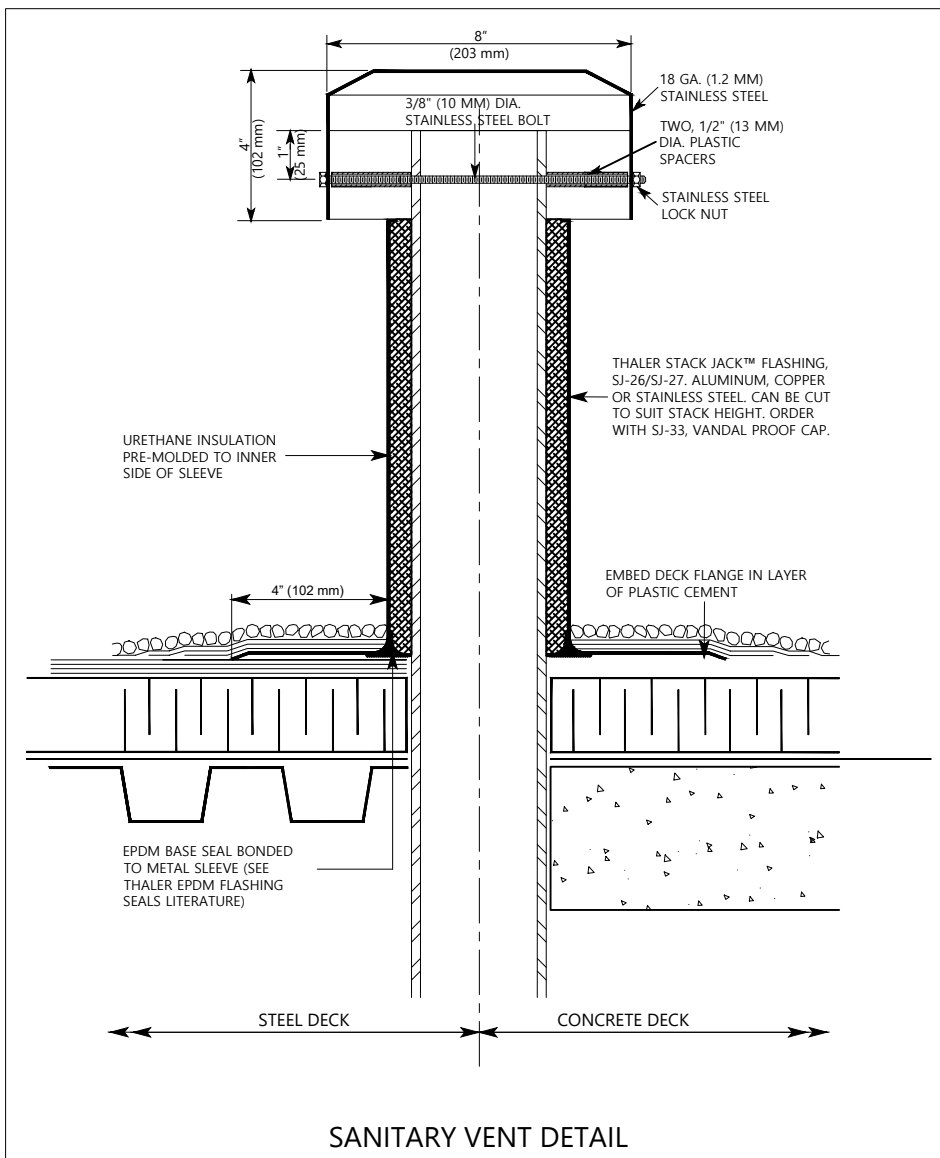
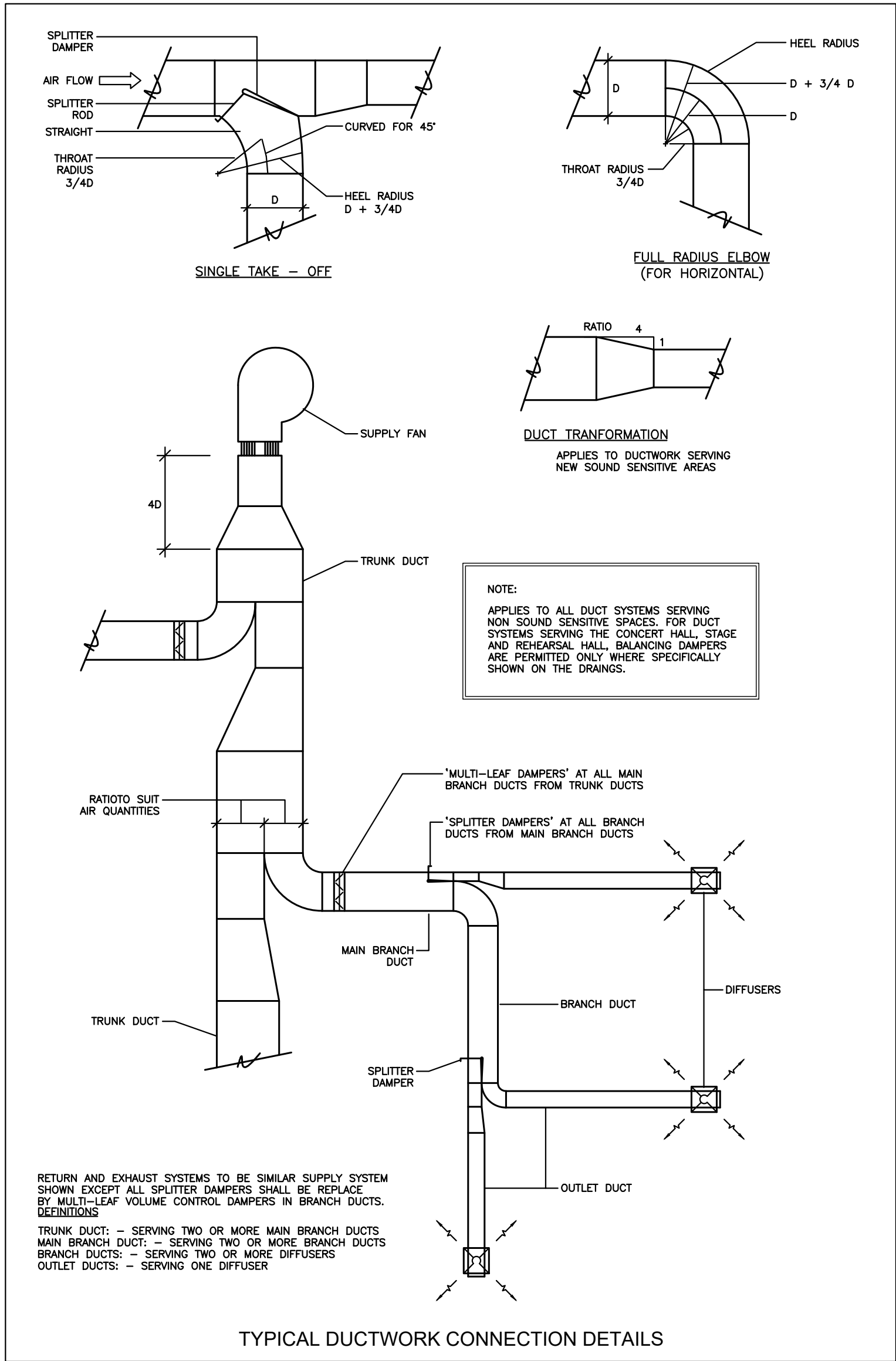
TABLE 1

WIDTH or HEIGHT	# OF CLEATS OR SCREWS PER SIDE OF BREAKAWAY CONNECTIONS
Less than 24" (610)	1
24" (610) to less than 36" (914)	2
36" (914) to less than 54" (1372)	3
54" (1372) to less than 72" (1829)	4
72" (1829) or greater	5

NOTE: All measurements in () parentheses are in millimeters.

BREAKAWAY DUCT CONNECTIONS DETAIL

N.T.S.



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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXAdvance.com

CLIENT: **CHERIE NG ARCHITECT INC.**

OWNER: **SHERIDAN COLLEGE**

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**

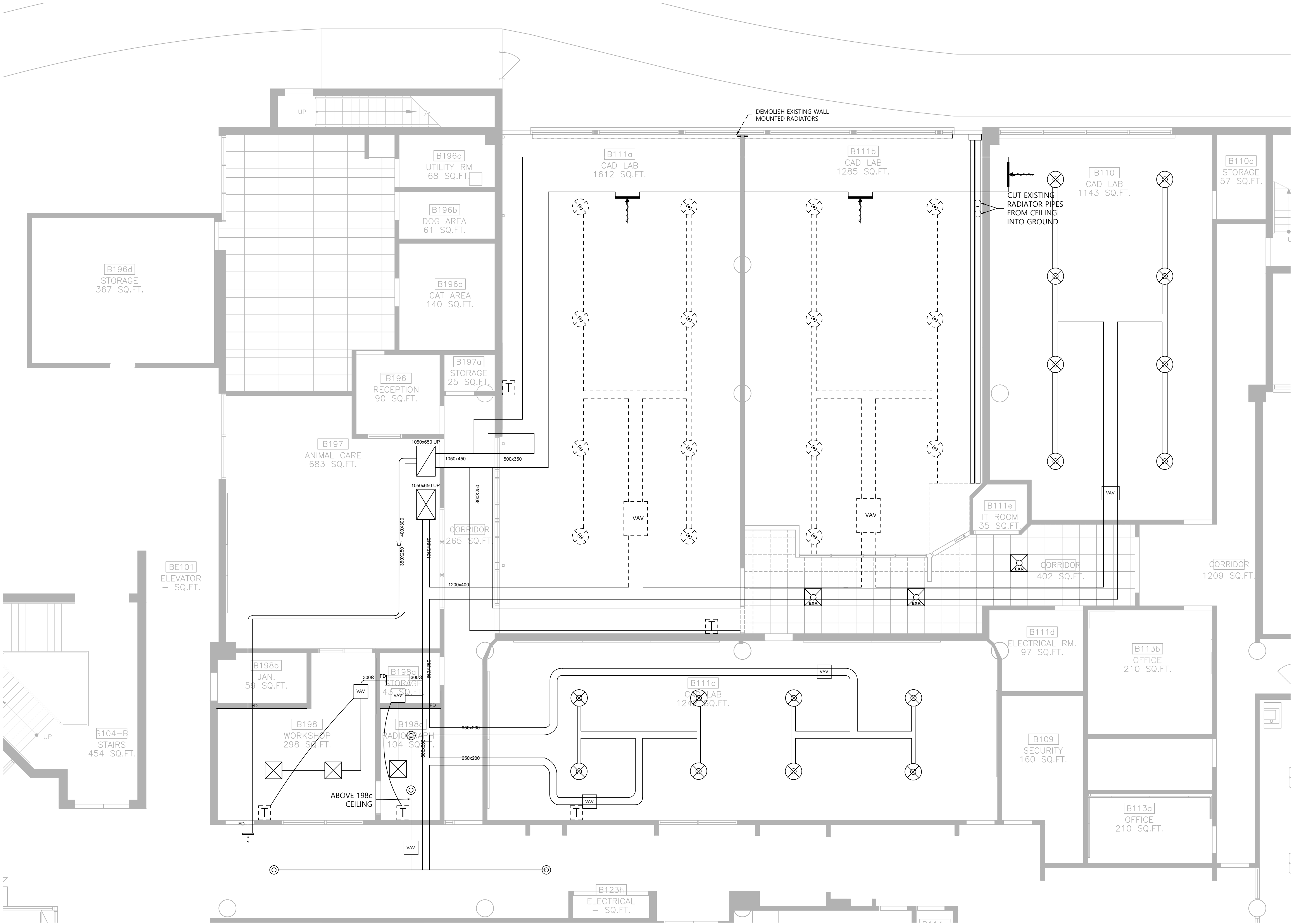
TITLE: **MECHANICAL MECHANICAL DETAILS**

NTS SCALE AT ARCH D: **25220** SL DRAWN: **M103** JD CHECKED:

PROJECT NO: **25220** DRAWING NO: **M103** REVISION: **C**

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



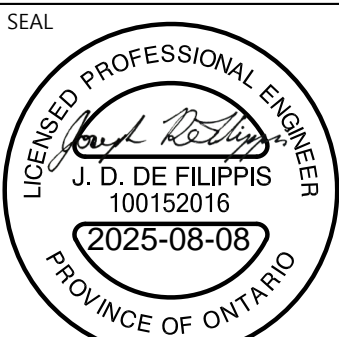
D	PERMIT & TENDER	2025-08-08
C	REISSUED FOR CLIENT REVIEW 90%	2025-07-11
B	CLIENT REVIEW 90%	2025-06-12
A	CLIENT REVIEW 60%	2025-05-23
REV.	DESCRIPTION	DATE



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXAdvance.com

CLIENT: CHERIE NG ARCHITECT INC.

OWNER: SHERIDAN COLLEGE



DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

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

PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS
RENOVATION

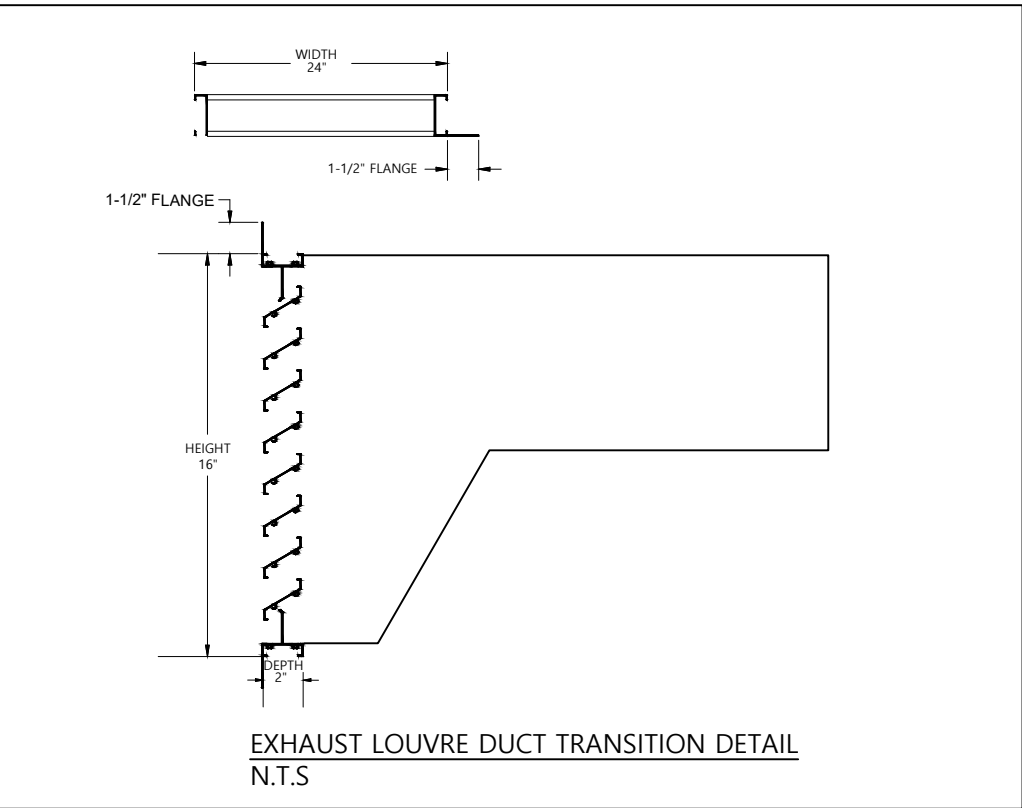
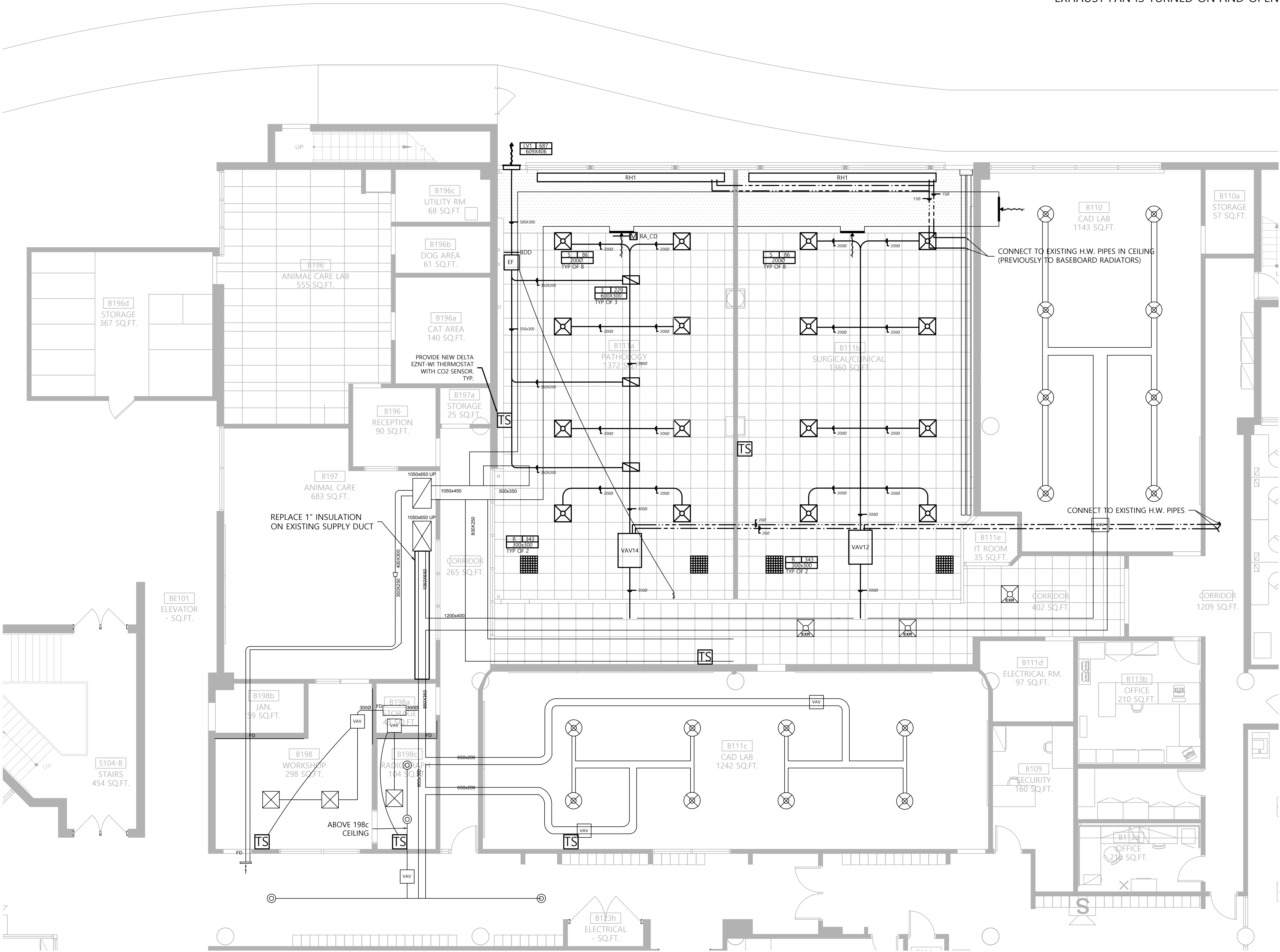
TITLE: MECHANICAL
L1 HVAC DEMO

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

25220	M200	C
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



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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXadvance.com

CLIENT: **CHERIE NG ARCHITECT INC.**

OWNER: **SHERIDAN COLLEGE**



SITE: **SHERIDAN COLLEGE - DAVIS CAMPUS**

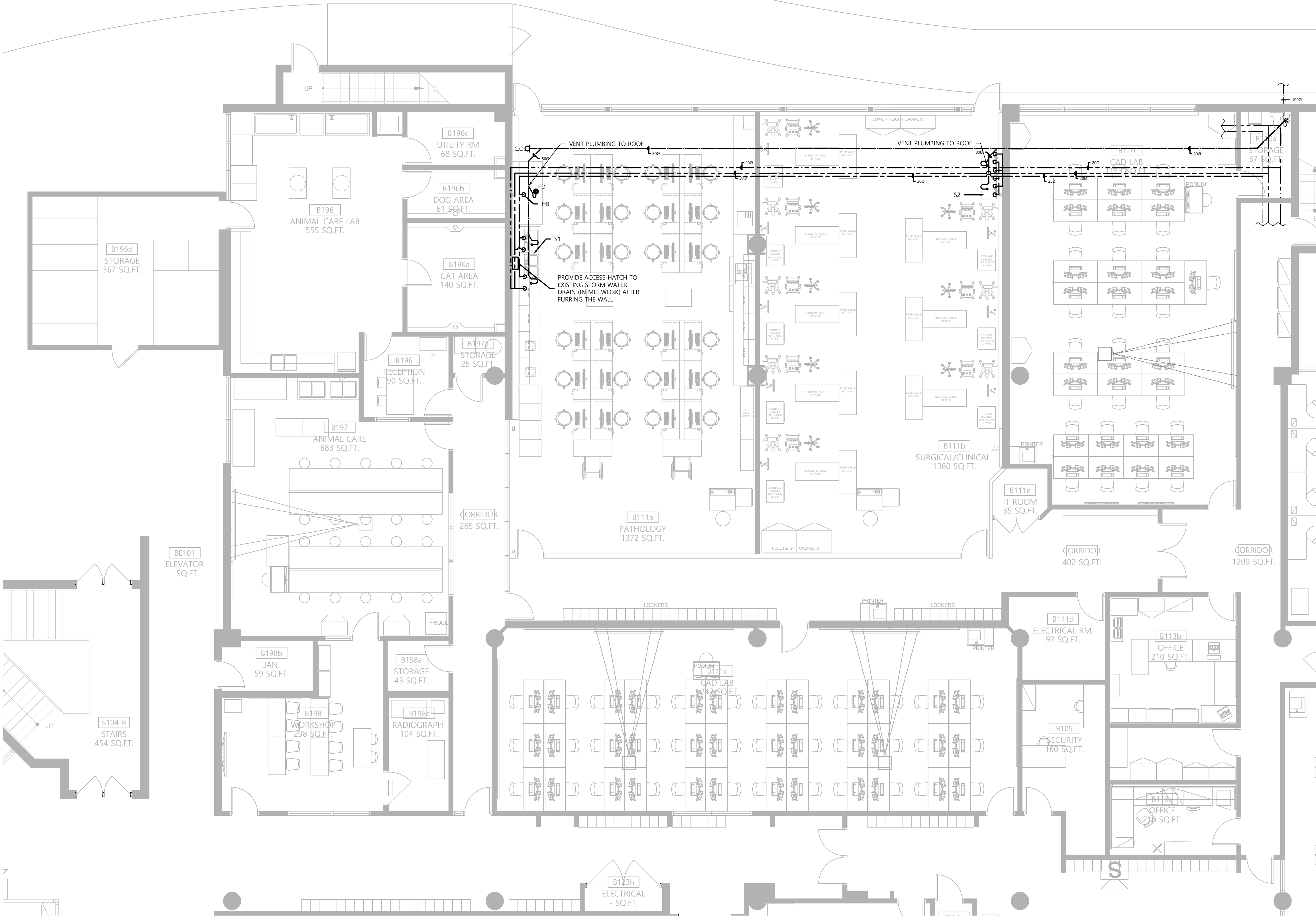
PROJECT: **SHERIDAN COLLEGE DAVIS CAMPUS RENOVATION**

TITLE: **MECHANICAL L1 HVAC PROPOSED**

1:75 SCALE AT ARCH D.	SL DRAWN:	JD CHECKED:
25220 PROJECT NO.	M201 DRAWING NO.	C REVISION:

NOTES:

1. FLOORS TO BE SCANNED BEFORE TRENCHING FOR PLUMBING



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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXadvance.com

CLIENT: CHERIE NG ARCHITECT INC.

OWNER: SHERIDAN COLLEGE



DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

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

PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS
RENOVATION

TITLE: MECHANICAL
L1 PLUMBING PROPOSED

1:75	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:
25220	M300	C
PROJECT NO:	DRAWING NO:	REVISION:

LIFE SAFETY LEGEND	
FIRE ALARM	
	SIGNAL SILENCE
	STAIRWELL SPEAKER
	SPEAKER
	FIREFIGHTER PHONE
	FIRE ALARM RELAY
	ADDRESSABLE MODULE
	ADDRESSABLE MONITOR MODULE
	ADDRESSABLE CONTROL MODULE
	CONTROL RELAY
	END OF LINE DEVICE
	SUPERVISED VALVE
	AUTOMATIC TRANSFER SWITCH
	WATER-FLOW SWITCH
	SPRINKLER PRESSURE SWITCH
	FIRE DOOR CLOSER
	FAULT ISOLATION MODULE
	HEAT DETECTOR
	SMOKE DETECTOR
	HORN & STROBE COMBINATION DEVICE
	MANUAL PULL STATION
	SMOKE / CO COMBINATION DETECTOR
	STROBE ONLY DEVICE - WALL MOUNTED
	DUCT - TYPE SMOKE DETECTOR
	REMOTE SAMPLING - TYPE SMOKE DETECTOR
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL C/W GRAPHIC
NURSE CALL	
	NURSE CALL INITIATION DEVICE
	NURSE CALL DOME LIGHT, CEILING MOUNTED
	NURSE CALL ANNUNCIATOR, WALL MOUNTED PANEL

POWER DISTRIBUTION LEGEND	
ABBREVIATIONS	
CCT	CIRCUIT
2P, 1Ø, 3W	POLE COUNT, PHASE COUNT, WIRE COUNT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
USB	RECEPTACLE C/W 2 USB CONNECTIONS
WP	WEATHER PROOF RECEPTACLE
MIC	MINERAL INSULATED CABLE
AWG, MCM	CABLE SIZING - AMERICAN WIRE GAUGE, THOUSANDS OF CIRCULAR MILS
Al, Cu	CABLE MATERIAL - ALUMINUM, COPPER
MLO, MCB, SFL, SFCB	PANEL CONNECTION - MAIN LUGS ONLY, MAIN CIRCUIT BREAKER, SUB-FEED LUGS, SUB-FEED CIRCUIT BREAKER
E P 2 A-12,14,16	POWER EQUIPMENT AND CIRCUIT NUMBERING CIRCUIT NUMBER(S) DESIGNATION OF MULTIPLE PANELS IN SAME AREA/LEVEL (A, B, C, ETC.) (OPTIONAL) AREA/LOCATION DESIGNATION EQUIPMENT TYPE - P: PANEL - D: DISTRIBUTION BOARD - S: SWITCH BOARD - TX: TRANSFORMER EQUIPMENT PREFIX (OPTIONAL) - E: EMERGENCY BACKUP - L: LOW VOLTAGE - M: MEDIUM VOLTAGE
SYMBOLS	
	120V-15A, 1Ø-2W GROUNDED DUPLEX RECEPTACLE, WALL MOUNTED
	120V-15A, 1Ø-2W GROUNDED DUPLEX RECEPTACLE, IN COMMON FLUSH BOX, FLOOR MOUNT UON
	120V-15A, 1Ø-3W GROUNDED DOUBLE DUPLEX RECEPTACLE, IN COMMON BOX, WALL MOUNTED
	120V-15A, 1Ø-3W GROUNDED DOUBLE DUPLEX RECEPTACLE, IN COMMON FLUSH BOX, FLOOR MOUNT UON
	120V, AMPACITY PER CIRCUIT, 1Ø-3W GROUNDED DUPLEX RECEPTACLE, WALL MOUNTED
	208/240V-15A, 1Ø-3W GROUNDED DUPLEX RECEPTACLE, WALL MOUNTED
	208/240V, AMPACITY PER CIRCUIT, 1Ø-3W GROUNDED DUPLEX RECEPTACLE, WALL MOUNTED
	POWER DIRECT CONNECTION TO EQUIPMENT AS INDICATED
	POWER PANEL SURFACE MOUNTED
	POWER PANEL RECESSED MOUNTED
	DISTRIBUTION BOARD
	DISCONNECT SWITCH - FUSED, NON-FUSED
	SWITCH, NON-FUSED
	TRANSFER SWITCH
	CIRCUIT BREAKER
	SWITCH, FUSED
	POWER METER
	MOTOR
	JUNCTION BOX
	CONDUIT RUN TO PANEL
	ELECTRICAL FEEDER FROM UPSTREAM ELECTRICAL SERVICE
	ELECTRICAL BUS BAR
	GROUNDING POINT
	TRANSFORMER

SECURITY SYMBOLS	
	ELECTRICAL STRIKE
	CARD READER
	DOOR CONTACT
	FIRE DOOR CLOSER
	SECURITY KEYPAD
	WAVE / PUSH TO OPEN
	WAVE / PUSH TO LOCK
	POWER DOOR OPERATOR
	REQUEST TO EXIT
	REQUEST TO EXIT MOTION SENSOR
	ALARM AND TIMER
	MAGNETIC LOCK
	EMERGENCY PANIC STRIP / BUTTON
	SECURITY CAMERA

LIGHTING SYMBOLS LEGEND	
SPACE LIGHTING	
	WALL MOUNTED SINGLE POLE SWITCH
	WALL MOUNTED SINGLE POLE SWITCH W/ OCCUPANCY SENSOR
	WALL MOUNTED SINGLE POLE SWITCH W/ DIMMING
	CEILING MOUNTED OCCUPANCY SENSOR
	ROUND CEILING MOUNTED LIGHT FIXTURE
	CEILING MOUNTED LIGHTING FIXTURE
	WALL MOUNTED LIGHTING FIXTURE/WALLPACK
	WALL MOUNTED LINEAR LIGHTING FIXTURE
EXIT AND EMERGENCY LIGHTING	
	EMERGENCY LIGHTING BATTERY UNIT C/W UNIT MOUNTED QUARTZ HEADS. BELLUCE SERIES: NOVA, GALAXY, GEMMA, BRAVADO, RSE
	EMERGENCY LIGHTING UNIT C/W UNIT MOUNTED QUARTZ HEADS. BELLUCE SERIES: NOVA, GALAXY, GEMMA, BRAVADO, RSE
	EMERGENCY SINGLE HEAD LED REMOTE HEAD. BELLUCE SERIES: BTMR, SEA, SR, PLURALUCE
	PICTOGRAM EXIT SIGN C/W EMERGENCY BATTERY LED'S AND BATTERY UNIT. BELLUCE SERIES: STELLALUCE, QUADRALUCE, FORMALUCE
	CEILING MOUNT ILLUMINATED LED EXIT SIGN WITH A BATTERY BACKUP. UNIVERSAL MOUNTING. SINGLE OR DOUBLE FACE AND DIRECTIONAL PICTOGRAMS AS INDICATED ON DRAWINGS. BELLUCE SERIES: STELLA, QUADRA
	WALL MOUNT ILLUMINATED LED EXIT SIGN WITH A BATTERY BACKUP. SINGLE FACE AND UNIVERSAL MOUNTING. DIRECTIONAL PICTOGRAMS AS INDICATED ON DRAWINGS. BELLUCE SERIES: STELLA, QUADRA
	CALL FOR HELP INDICATOR LIGHT

TELECOM SYMBOLS LEGEND	
	DATA WALL OUTLET C/W HOME RUN TO ACCESSIBLE CABLE TRAY
	TELEPHONE WALL OUTLET C/W CONDUIT HOME
	COMBINATION DATA & TELEPHONE OUTLET - WALL MOUNTED C/W 20Ø CONDUIT HOME RUN TO ACCESSIBLE CEILING SPACE. MAXIMUM 4 DROPS PER WALL BOX - IF MORE, THAN CONTRACTOR TO PROVIDE MULTI-GANG BOX AND FACEPLATE TO ACCOMMODATE AS REQUIRED.
	TV COAXIAL OUTLET C/W 20Ø CONDUIT HOME RUN TO ACCESSIBLE CEILING SPACE
	HDMI OUTLET C/W 20Ø CONDUIT HOME RUN TO ACCESSIBLE CEILING SPACE
	DATA DROP TO IT DEVICE C/W HOME RUN TO ACCESSIBLE CABLE TRAY

GENERAL LEGEND	
ABBREVIATIONS	
AFB, BFF	ABOVE FINISHED FLOOR, BELOW FINISHED FLOOR
AFE, BFC	ABOVE FINISHED CEILING, BELOW FINISHED CEILING
AFCT, BFCT	ABOVE FINISHED COUNTERTOP, BELOW FINISHED COUNTERTOP
UON	UNLESS OTHERWISE NOTED
TYP	TYPICAL
W/, W/O, C/W	WITH, WITHOUT, COMPLETE WITH
SYMBOLS	
	TAG - DIMENSION
	LINE CONTINUATION
LINETYPES	
	DEMO
	EXISTING
	NEW
CONTROL SIGNALS	
	OPEN/CLOSE
	MODULATING
	START/STOP
	ENABLE/DISABLE
	PRESSURE DIFFERENTIAL
	FIRE STAT
	FREEZE STAT
	DIGITAL INPUT / OUTPUT
	ANALOGUE INPUT / OUTPUT

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

JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXAdvance.com

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: **ELECTRICAL LEGENDS**

N/A
SCALE AT ARCH D:

SL
DRAWN:

JD
CHECKED:

25220
PROJECT NO:

E100
DRAWING NO:

C
REVISION:


GENERAL ELECTRICAL CONDITIONS			JURISDICTION.			(LIGHTING) OPERATING AT TIME OF ACCEPTANCE; ADJUST BRANCH CIRCUIT CONNECTIONS AS REQUIRED TO OBTAIN BEST BALANCE OF CURRENT BETWEEN PHASES AND RECORD CHANGES. MEASURE PHASE VOLTAGES AT			ELECTRICAL SCOPE OF WORK		
1. CONTRACTOR IS RESPONSIBLE FOR ALL WORK, LABOUR, MATERIALS, TESTING TO DELIVER A COMPLETE AND FUNCTIONAL SYSTEMS, READY FOR OPERATION.			2. MOTORS, ELECTRIC HEATING, CONTROLS AND DISTRIBUTION DEVICES AND EQUIPMENT TO OPERATE SATISFACTORILY AT 60HZ WITHIN NORMAL OPERATING LIMITS ESTABLISHED BY CAN3-C235 (PREFERRED VOLTAGE LEVELS FOR AC SYSTEMS, 0 TO 50,000V). EQUIPMENT TO OPERATE IN EXTREME OPERATING CONDITIONS ESTABLISHED IN ABOVE STANDARD AT 40°C AMBIENT WITHOUT DAMAGE TO EQUIPMENT.			18.LOADS AND ADJUST TRANSFORMER TAPS TO WITHIN 2% OF RATED VOLTAGE OF EQUIPMENT. PROVIDE LOAD BALANCE REPORT AT END OF PROJECT.			1. DEMOLISH EXISTING ELECTRICAL AS INDICATED INCLUDING IN WALLS TO BE DEMOLISHED.		
2. PERFORM WORK IN A CLEAN AND WORKMANLIKE MANNER. EXERCISE CARE TO DISRUPTION TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN THE CONSTRUCTION AREA.			3. VERIFY INSTALLATION AND COORDINATION RESPONSIBILITIES RELATED TO MOTORS, EQUIPMENT AND CONTROLS. CONTROL WIRING TO BE PROVIDED BY MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE.			19.MEGGER TEST: PROVIDE MEGGER TEST (1000V) OF UNDERGROUND SECONDARY CONDUCTORS PRIOR TO ENERGIZING SERVICE. ENGINEER TO WITNESS TESTS.			2. PROVIDE ELECTRICAL POWER DISTRIBUTION INCLUDING RECEPTACLES, WIRING, CONDUIT, OVERCURRENT PROTECTION, TRENCHING		
3. THE DRAWINGS ARE INTENDED TO BE DIAGRAMMATIC AND ARE DEVELOPED ON THE INDICATED BASIS OF DESIGN EQUIPMENT. ALL ITEMS MAY NOT BE SHOWN OR NOT SHOWN IN THEIR EXACT LOCATION, OR WITH EXACT DIMENSIONS AND DETAILS. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.			4. WARNING SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.			20.FUSES: PROVIDE CLASS J, TIME DELAY FUSES IN ALL FUSED DISCONNECT SWITCHES. ENSURE CORRECT FUSES FITTED TO PHYSICALLY MATCH MOUNTING DEVICES.			3. PROVIDE NEW DATA OUTLETS INCLUDING COMMUNICATIONS WIRING, RACEWAY, DEVICE BOXES, MDVO INSERTS.		
4. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH ANY WORK. WHERE DISCREPANCIES OCCUR BETWEEN THESE DOCUMENTS AND EXISTING CONDITIONS, REPORT THE CONDITIONS AND/OR ENGINEER.			5. WIRING AND RACEWAYS:			21.PANELBOARDS: MAINS, NUMBER OF CIRCUITS, AND NUMBER AND SIZE OF BRANCH CIRCUIT BREAKERS, WITHSTAND CURRENT, AS INDICATED ON PANEL SCHEDULES. PANELBOARDS MUST BE SHIPPED WITH HINGED AND LOCKABLE DOORS. BREAKERS ARE TO BE BOLT-ON THERMAL AND MAGNETIC TRIPPING EXCEPT AS INDICATED OTHERWISE. PROVIDE LOCK-ON DEVICES FOR FIRE ALARM, EMERGENCY, STAIRWAY, AND EXIT CIRCUITS. REFER TO SINGLE-LINE DIAGRAM AND RELATED NOTES FOR ADDITIONAL EQUIPMENT REQUIREMENTS.			4. PROVIDE LIGHTING FIXTURES INCLUDING WIRING, OVERCURRENRT PROTECTION.		
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFEKEEPING OF THEIR OWN PROPERTY ON THE JOB SITE. OWNER ASSUMES NO RESPONSIBILITY FOR PROTECTION OF PROPERTIES.			5.1. CONDUCTORS TO BE COPPER, MINIMUM SIZE: 12 AWG.			22.INSTALL PANEL BOARDS ON G1S PAINTED PLYWOOD BACKBOARDS.			5. PROVIDE EXIT SIGNS.		
6. PRIOR TO STARTING CONSTRUCTION, DETERMINE EXACT INVERT ELEVATION, SIZE, DEPTH AND LOCATION OF EXISTING UTILITIES WHERE CONNECTIONS ARE TO BE MADE OR INTERSECTIONS OCCUR. NOTIFY ENGINEER OF ANY DISCREPANCY BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS.			5.2. CONDUCTORS SIZED AS NOTED WITH 600V INSULATION IN ACCORDANCE WITH LATEST ELECTRICAL CODE.			23.DISCONNECT SWITCHES: PROVIDE FUSIBLE HEAVY-DUTY DISCONNECT SWITCHES WITH PROVISION FOR PADLOCKING IN ON-OFF SWITCH POSITION BY THREE LOCKS, AND MECHANICALLY INTERLOCKED DOOR.			6. RELOCATE FIRE ALARM DEVICES AND PROVIDE VERIFICATION OF FIRE ALARM SYSTEM FOR AFFECTED DEVICES.		
7. CONSTRUCT WORK TO ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK. CORRECT ANY WORK IN VIOLATION OF ABOVE.			5.3. ARMoured CABLES (AC90) SHALL ONLY BE USED FOR FINAL CONNECTIONS TO LIGHT FIXTURES IN LENGTH NOT EXCEEDING 8', AND FOR RUNS CONCEALED IN STEEL PARTITIONS. PROVIDE SUFFICIENT JUNCTION BOXES AT CEILING TO MAINTAIN NEAT CEILING SPACE AND KEEP EXPOSED ARMoured CABLES LESS THAN 8' IN LENGTH.			24.CONDUCTOR RUNS WITH ANY PORTION OUTDOORS AND/OR UNDERGROUND TO BE RWU90. ALL OTHER RUNS RW90.			7. PROVIDE LIGHTING CONTROLS INCLUDING DALI BUS WIRING, DALI POWER PACKS, SENSORS, KEYPADS, INTEGRATION INTO EXISTING CONTROL SYSTEM, PROGRAMMING AND COMMISSIONING.		
8. INSTALL OR ERECT PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. OBTAIN WRITTEN INSTRUCTIONS DIRECTLY FROM MANUFACTURER.			5.4. MINIMUM CONDUIT SIZE: 3/4" EMT OR OF TYPE APPROVED FOR INTENDED USE AND AREA INSTALLED.			25.PROVIDE SEPARATE INSULATED BONDING CONDUCTOR IN EACH CONDUIT REGARDLESS OF CONDUIT MATERIAL. SIZE BONDING CONDUCTORS TO OESC.			8. DEMOLISH AND RELOCATE SECURITY CAMERAS AS INDICATED.		
9. PROVIDE AND MAINTAIN TEMPORARY FIRE PROTECTION DURING PERFORMANCE OF THE WORK.			5.5. INSTALL CONDUITS TO CONSERVE HEADROOM IN EXPOSED LOCATIONS AND CAUSE MINIMUM INTERFERENCE IN SPACES THROUGH WHICH THEY PASS			26.CIRCUIT BREAKERS 400A AND LARGER TO HAVE ADJUSTABLE LSI TRIP SETTINGS.			9. PROVIDE PATHWAYS FOR AV SYSTEMS AS INDICATED.		
10.INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. PROVIDE SLEEVES AND ACCESS DOORS REQUIRED FOR THE SERVICING OF CONCEALED EQUIPMENT.			5.6. CONCEAL CONDUITS EXCEPT IN UNFINISHED AREAS. RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES.			27.PROVIDE GROUNDING AND BONDING AS REQUIRED BY OESC, ELECTRIC UTILITY, AND EQUIPMENT MANUFACTURERS, INCLUDING BUT NOT LIMITED TO GROUNDING RODS AND GROUNDING ARRAY AT UTILITY TRANSFORMER.					
11.REMOVE AND RELOCATE EXISTING WORK AS REQUIRED, NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS MAY NOT BE COMPLETELY DETAILED ON THE DRAWINGS. CONTRACTOR TO SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP THE WORK PROPOSAL.			5.7. PROVIDE BOXES AND FITTINGS SUITABLE FOR INTENDED USE AND AREA INSTALLED.			28.PERFORM ARC-FLASH HAZARD ANALYSIS AND PROVIDE ARC-FLASH WARNING LABELS ON ALL ELECTRICAL COMPONENTS RATED 60A OR GREATER. HAZARD ANALYSIS TO BE PERFORMED BY LICENSED PROFESSIONAL ENGINEER IN ONTARIO. SUBMIT ENGINEER'S REPORT.					
12.SEAL ALL OPENINGS AROUND CABLES AND CONDUITS THROUGH PARTITIONS AND WALLS WITH APPROVED FIRESTOPPING MATERIAL. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE AND SMOKE SEAL RATINGS OF PARTITION.			5.8. ENSURE LUGS, TERMINALS, SCREWS USED FOR TERMINATION OF WIRING ARE SUITABLE FOR EITHER COPPER OR ALUMINUM CONDUCTORS.			29.PERFORM PROTECTIVE DEVICE COORDINATION STUDY TO ENSURE COORDINATION BETWEEN PROTECTIVE DEVICES. ANALYSIS TO BE PERFORMED BY LICENSED PROFESSIONAL ENGINEER IN ONTARIO. SUBMIT ENGINEER'S REPORT. ADJUST DEVICE TRIP SETTINGS BASED ON REPORT RESULTS.					
13.CONSTRUCT WORK IN A MANNER SATISFACTORY TO THE OWNER.			5.9. BOND AND GROUND AS REQUIRED TO LATEST EDITION OF ONTARIO ELECTRICAL SAFETY CODE.			30.ELECTRICAL DISTRIBUTION COMPONENTS TO BE FROM ONE OF THE FOLLOWING MANUFACTURERS: EATON, SCHNEIDER, SIEMENS.					
14.CLEAN FROM ALL FIXTURES AND EQUIPMENT DUST, DIRT, FINGER-PRINTS, PAINT, GREASE, CONSTRUCTION AND DEMOLITION DEBRIS. CLEAN AND TOUCH UP SURFACES OF SHOP-PAINTED EQUIPMENT SCRATCHED OR MARRED DURING SHIPMENT OR INSTALLATION, TO MATCH ORIGINAL FINISH.			6. IDENTIFY ELECTRICAL EQUIPMENT WITH LAMACOID NAMEPLATES (3MM THICK PLASTIC ENGRAVING SHEET, MATTE WHITE FINISH FACE, BLACK CORE). WORDING ON NAMEPLATE TO BE APPROVED BY CONSULTANT PRIOR TO MANUFACTURE.			31.PROVIDE MINIMUM 3 INCH HIGH CONCRETE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.					
15.COORDINATE WORK OF OTHER TRADES (MECHANICAL, SPRINKLER, STRUCTURAL, ETC.). ENSURE THAT PROPER ARRANGEMENTS AND PROVISIONS ARE MADE FOR THIS WORK. COORDINATE ELECTRICAL REQUIREMENTS OF ALL OWNER-SUPPLIED EQUIPMENT PRIOR TO ROUGH-IN.			7. COLOUR CODE CONDUITS, BOXES, AND METALLIC SHEATHED CABLES. CODE WITH PLASTIC TAPE OR PAINT - INSIDE BOXES IN AREAS WITH EXPOSED CEILINGS AND IN FINISHED AREAS; AT POINTS WHERE CONDUITS OR CABLES ENTERS WALL, CEILING, OR FLOOR, AND AT 50' INTERVALS: YELLOW FOR 600V; BLUE FOR 208V; RED FOR FIRE ALARM, AND NONE FOR OTHERS.			32.UTILITY TRANSFORMER AND PRIMARY WIRING BY ELECTRIC UTILITY. CONTRACTOR TO PROVIDE SECONDARY DUCT BANK, SECONDARY CONDUCTORS, TRANSFORMER BASE, AND OTHER ACCESSORIES REQUIRED BY ELECTRIC UTILITY.					
SUBSTITUTIONS			8. CONFIRM FINISHES OF EQUIPMENT DURING SHOP DRAWING SUBMITTALS.			LIGHTING					
1. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER. ALTERNATES MAY BE SUBMITTED IN PLACE OF SPECIFIED ELECTRICAL EQUIPMENT, CONTRACTOR SHALL INCLUDE ALL SPECIFIED MAJOR EQUIPMENT IN THE BASE BID AND SHOW LINE ITEM PRICE REDUCTIONS FOR PROPOSED ALTERNATES. ALTERNATES FOR MINOR EQUIPMENT MAY BE SUBSTITUTED WITHOUT PRESENTING LINE ITEM PRICE REDUCTIONS. FINAL APPROVAL OF ALL ALTERNATES SUBJECT TO OWNER/ENGINEER REVIEW. SUBMIT ALL REQUESTED INFORMATION TO ENGINEER FOR REVIEW OF ALTERNATES.			9. MOUNTING HEIGHT OF EQUIPMENT IS FROM FINISHED FLOOR TO CENTRELINE OF EQUIPMENT UNLESS SPECIFIED OR INDICATED OTHERWISE. CONFIRM ALL HEIGHTS WITH LOCAL INSPECTORS PRIOR TO ROUGH-IN TO ENSURE THEY MEET LOCAL INTERPRETATION OF CODE.			1. FIXTURE TYPES TO BE AS PER LIGHTING FIXTURES SCHEDULE ON DRAWINGS.					
2. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS RELATED TO SUBSTITUTION TO DELIVER A COMPLETE AND FUNCTIONAL SYSTEM, READY FOR OPERATION. THIS INCLUDES CHANGES IN DUCT OR PIPING ARRANGEMENT OR SIZE, ELECTRICAL REQUIREMENTS (OVERCURRENT PROTECTION, WIRING, INTERLOCKS), REQUIRED ANCILLARY COMPONENTS, ADDITIONAL SUPPORTS, ETC.			9.1. LOCAL SWITCHES: 43"			2. LOCATE AND INSTALL LUMINAIRES AS INDICATED WITH A SEPARATE NEUTRAL FOR EACH LIGHTING CIRCUIT, REFERRING TO DRAWINGS FOR SPECIAL WIRING INSTRUCTIONS.					
PERMITS			9.2. WALL RECEPTACLES: 12" OR MATCH EXISTING			3. WIRE TO LIGHTING CONTROLS AS INDICATED ON DRAWINGS AND MANUFACTURER'S INSTRUCTIONS.					
1. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.			9.3. WALL RECEPTACLES ABOVE TOP OF COUNTERS OR COUNTER SPLASH BACKS: 7"			4. CONTRACTOR TO CARRY ALL COSTS FOR REVIEW OF ALTERNATE LIGHTING PACKAGES AND PHOTOMETRIC CALCULATIONS. DELAYS RESULTING FROM ANY ALTERNATES OR UNAPPROVED EQUALS WILL NOT BE ACCEPTED AND TEMPORARY LIGHTING WILL NEED TO BE SUPPLIED AT NO ADDITIONAL COSTS TO OWNER.					
SUBMITTALS			9.4. WALL RECEPTACLES IN MECHANICAL ROOMS: 43"			5. CONFIRM COMPATIBILITY AND INTERFACE WITH OTHER MATERIALS WITH LUMINAIRE AND CEILING SYSTEM.					
1. SUBMIT EQUIPMENT AND FIXTURE SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO PURCHASE, INSTALLATION OR FABRICATION. DO NOT PROCEED UNTIL REVIEWED SHOP DRAWINGS ARE RETURNED FROM THE ENGINEER.			9.5. PANEL BOARDS: AS REQUIRED BY CODE			6. REPORT DISCREPANCIES TO THE ENGINEER AND DEFER ORDERING UNTIL CLARIFIED.					
2. SUBSTITUTION OF ANY EQUIPMENT, HARDWARE OR FIXTURES WITHOUT PRIOR APPROVAL FROM THE ENGINEER IS PROHIBITED AND AT CONTRACTOR'S OWN RISK.			9.6. TELEPHONE AND DATA OUTLETS: 12" OR MATCH EXISTING			7. COORDINATE WITH MECHANICAL TO AVOID CONFLICTS BETWEEN LUMINAIRES, SUPPORTS AND FITTINGS, AND MECHANICAL EQUIPMENT. DO NOT SUSPEND FIXTURES FROM MECHANICAL EQUIPMENT, PIPES, OR DUCTS. WHERE FIXTURES ARE LOCATED BELOW DUCTS, SUSPEND FIXTURE FROM UNISTRUT TRAPEZE.					
3. SHOP DRAWINGS TO CLEARLY INDICATE PROJECT NAME, EQUIPMENT NAME, RELEVANT DETAILS REQUIRED FOR REVIEW TO CONFIRM DESIGN INTENT.			9.7. OPERATOR PUSHBUTTONS: 43" (CONFIRMED WITH BUILDING INSPECTOR)			8. INSTALL RECESSED FIXTURES TO PERMIT REMOVAL FROM BELOW, TO GAIN ACCESS TO OUTLET OR PRE-WIRED FIXTURE BOX. CONNECT RECESSED FIXTURES TO BOXES WITH FLEXIBLE CONDUIT AND APPROVED FIXTURE WIRE.					
COMMISSIONING			9.8. THERMOSTATS: 43"			9. SUPPLY RECESSED FIXTURES COMPLETE WITH TRIM TYPE REQUIRED FOR CEILING SYSTEM INSTALLED. BEFORE ORDERING, CONFIRM THE CEILING CONSTRUCTION DETAILS AND ARCHITECTURAL FINISH FOR EACH AREA.					
1. TEST, ADJUST, STARTUP, AND PLACE INTO PROPER OPERATION ALL EQUIPMENT AND SYSTEMS INSTALLED UNDER THIS CONTRACT. PRIOR TO STARTUP ENSURE EQUIPMENT IS FREE OF DUST AND DEBRIS. ALL BEARINGS ARE LUBRICATED AND ALL PRECAUTIONS HAVE BEEN FOLLOWED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.			9.9. MANUAL PULL STATIONS: 47"			10.PROVIDE EMERGENCY LIGHTING EQUIPMENT BY ONE MANUFACTURER. AIM ALL INTEGRAL AND REMOTE HEAD TO PROVIDE 1 FC AVERAGE ILLUMINATION ACROSS PATH OF EGRESS. LAMP TYPES AND WAITAGE ARE NOT TO CHANGE WITH WRITTEN PERMISSION OF ENGINEER.					
DEMONSTRATION AND TRAINING			9.10. VISUAL SIGNAL DEVICES : TOP OF DEVICE 94" AFF WHERE CEILING HEIGHTS ALLOW, ELSE TOP OF			11.PROVIDE SWITCHES, PHOTOELECTRIC CONTROLS, TIMERS, AND RELAYS FOR LIGHTING CIRCUITS AND LUMINAIRES AS INDICATED ON DRAWINGS.					
1. DEMONSTRATE START-UP, OPERATION, CONTROL, ADJUSTMENT, TROUBLESHOOTING, SERVICING, AND MAINTENANCE OF EQUIPMENT AND SYSTEMS TO OWNER PERSONNEL. THIS INSTRUCTION IS TO BE BASED ON DATA INCLUDED IN THE OPERATIONS AND MAINTENANCE MANUALS (PREPARE AND INSERT ADDITIONAL DATA IN MANUALS WHEN NEED FOR ADDITIONAL DATA BECOMES APPARENT DURING INSTRUCTIONS). TRAINING MATERIAL TO INCLUDE "AS-BUILT" DRAWINGS, OPERATION MANUALS, AND MAINTENANCE MANUALS. OBJECTIVE OF TRAINING IS TO PROVIDE:			9.11. DEVICE 6" BELOW CEILING (ENTIRE LENS FOR VISUAL SIGNAL COMPONENT MUST BE BETWEEN 79" AND 94" AFF).			12.PROVIDE ADEQUATE SUPPORTS FOR LUMINAIRES. USE CHAIN OR RODS FOR SUSPENDED LUMINAIRES. DO NOT SUPPORT LUMINAIRES OVER 5KG IN WEIGHT FROM OUTLET BOXES.					
1.1. SAFE, RELIABLE, COST-EFFECTIVE, ENERGY-EFFICIENT OPERATION OF SYSTEMS UNDER ALL CONDITIONS.			9.12. END OF LINE RESISTORS: TOP OF DEVICE 70" AFF.			13.COORDINATE LUMINAIRE INSTALLATION WITH ARCHITECTURAL DETAILS, REFLECTED CEILING PLANS AND MECHANICAL EQUIPMENT. INSTALL ACCURATELY IN LINE AND LEVEL, TO PRESENT A NEAT APPEARANCE AND AVOID CONFLICTS.					
1.2. EFFECTIVE ON-GOING INSPECTION AND MEASUREMENTS OF SYSTEM PERFORMANCE.			9.13. EMERGENCY TELEPHONE HANDSETS: 53-59" AFF CONFIRMED WITH LOCAL BUILDING OFFICIAL			14.LIGHTING CONTROLS TO BE COMMISSIONED/TESTED BY A 3RD PARTY.					
1.3. PROPER PREVENTATIVE MAINTENANCE, DIAGNOSIS, AND TROUBLE-SHOOTING.			10.PRIOR TO ROUGH-IN LOCATE ADJACENT OUTLET BOXES 6" APART UNLESS NOTED OTHERWISE (DO NOT SCALE DRAWINGS).			FIRE ALARM SYSTEM					
1.4. ABILITY TO UPDATE DOCUMENTATION.			11.COORDINATE WITH ENGINEER, OWNER MAY CHANGE LOCATION OF OUTLETS PRIOR TO INSTALLATION WITH NO CHANGE TO CONTRACT PRICE, PROVIDED DISTANCE DOES NOT EXCEED 10' FROM ORIGINAL LOCATION.			1. THE ELECTRICAL CONTRACTOR SHALL HIRE A FIRE ALARM SYSTEM PROVIDER TO TEST AND VERIFY ALL FIRE ALARM DEVICES AND PROVIDE WRITTEN VERIFICATION REPORT INDICATING THE DEVICES THAT HAVE BEEN TESTED AND VERIFIED TO THE LATEST APPLICABLE CODES AND STANDARDS.					
CLOSEOUT DOCUMENTATION			12.MECHANICAL EQUIPMENT CONNECTIONS: PROVIDE CONNECTIONS TO MECHANICAL EQUIPMENT AS PER DRAWINGS			2. THE ELECTRICAL CONTRACTOR SHALL CARRY ALL COSTS ASSOCIATED WITH TESTING AND VERIFICATION AS REQUIRED BY THE FIRE ALARM WORK INDICATED ON THE ELECTRICAL DRAWINGS.					
1. SUBMIT A SET OF AS-BUILT DRAWINGS TO OWNER/ENGINEER.			13.PROVIDE CONDUIT ROUGH-IN FOR MECHANICAL CONTROLS AS PER MECHANICAL EQUIPMENT SCHEDULE.			3. THE FIRE ALARM SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH CAN/ULC-S524, "INSTALLATION OF FIRE ALARM SYSTEMS".					
2. PROVIDE COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT SUPPLIED. PROVIDE IN OWNER PREFERRED FORMAT.			14.COORDINATE MECHANICAL POWER AND CONTROL WIRING REQUIREMENTS PRIOR TO ROUGH-IN.			4. THE FIRE ALARM SYSTEM SHALL BE VERIFIED IN CONFORMANCE WITH CAN/ULC-S537, "VERIFICATION OF FIRE ALARM SYSTEM" TO ENSURE SATISFACTORY PERFORMANCE.					
WARRANTY			15.HANGERS AND SUPPORTS: INSTALL FASTENING AND SUPPORTS AS REQUIRED FOR EACH TYPE OF EQUIPMENT, CABLES, AND CONDUITS. IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS.			5. ELECTRICAL CONTRACTOR AND FIRE ALARM SYSTEM COMPANY SHALL PARTICIPATE IN ULC-S1001 INTEGRATED TESTING ACTIVITIES, AS REQUIRED BY THE INTEGRATED TESTING COORDINATOR AND INTEGRATED TESTING PLAN.					
1. PROVIDE A WRITTEN WARRANTY TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED DUE TO DEFECTS IN WORKMANSHIP WHICH DEVELOP WITHIN ONE YEAR FROM THE DATE OF SUBSTANTIAL PERFORMANCE.			15.1. SECURE EQUIPMENT TO HOLLOW MASONRY, TILE AND PLASTER SURFACES WITH LEAD ANCHORS								
EQUIPMENT AND WIRING			15.2. SECURE EQUIPMENT TO POURED CONCRETE WITH EXPANDABLE INSERTS								
1. MATERIALS AND EQUIPMENT: ALL ELECTRICAL PRODUCTS SHALL BE TESTED, CERTIFIED, AND LABELED IN ACCORDANCE WITH A CERTIFICATION PROGRAM ACCREDITED BY THE STANDARDS COUNCIL OF CANADA, CSA, WHERE A PRODUCT IS NOT SO LABELED, PROVIDE WRITTEN APPROVAL BY THE AUTHORITY HAVING JURISDICTION, WHERE CSA CERTIFIED MATERIAL AND/OR EQUIPMENT IS NOT AVAILABLE. OBTAIN SPECIAL APPROVAL FROM AUTHORITY HAVING			15.3. SECURE EQUIPMENT TO HOLLOW MASONRY WALLS OR SUSPENDED CEILINGS WITH TOGGLE BOLTS								
			15.4. FASTEN EXPOSED CONDUIT OR CABLES TO BUILDING CONSTRUCTION OR SUPPORT SYSTEM USING STRAPS								
			15.5. FOR SURFACE MOUNTING OF TWO OR MORE CONDUITS USE UNISTRUT CHANNELS.								
			15.6. PROVIDE METAL BRACKETS, FRAMES, HANGERS, CLAMPS, AND RELATED TYPES OF SUPPORT STRUCTURES WHERE INDICATED OR AS REQUIRED TO SUPPORT CONDUIT AND CABLE RUNS.								
			15.7. ENSURE ADEQUATE SUPPORT FOR RACEWAYS AND CABLES DROPPED VERTICALLY TO EQUIPMENT WHERE THERE IS NO SUPPORT WALL								
			15.8. DO NOT USE SUPPORTS OR EQUIPMENT INSTALLED FOR OTHER TRADES FOR CONDUIT OR CABLE SUPPORT EXCEPT WITH PERMISSION OF OTHER TRADES AND APPROVAL OF ENGINEER.								
			16.WIRING DEVICES: INSTALL SWITCHES, RECEPTACLES, WIRING DEVICE, AND COVERS FLUSH AND LEVEL WITH BUILDING LINES. ENSURE THAT OUTLET BOXES ARE CLEAN PRIOR TO INSTALLING DEVICES.								
			16.1. SWITCHES, RECEPTACLES, AND WIRING DEVICES TO BE SPECIFICATION GRADE, DECORA STYLE. DEVICE COLOUR TO BE DETERMINED DURING SHOP DRAWING REVIEW.								
			16.2. COVER PLATES TO BE WHITE. THERMOPLASTIC COVER PLATE TO MATCH DEVICE COLOUR MAY BE SELECTED DURING SHOP DRAWING REVIEW STAGE.								
			17.LOAD BALANCING: MEASURE PHASE CURRENT TO PANELBOARD WITH NORMAL LOADS								

INTERIOR LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	TYPICAL USE AREA	MANUFACTURER	MODEL	COLOR TEMP	WATTS	VOLTS	LIGHT SOURCE	COMMENTS
A	LED TROFFER MODULE, 2X2	OFFICE SPACES, SCHOOLS, HOSPITALS, RETAIL	COOPER LIGHTING	22EN-LD2-25-347V-L835-SLTD	3500	20	347V	LED	

FLOOR BOX SCHEDULE					
DESCRIPTION	MAKE	MODEL	CONDUIT	COLOUR	NOTE
ABOVE GRADE CONCRETE FLOOR BOX	LEGRAND	WIREMOLD RFB4E	2" TRADE SIZE CONDUIT HUB	NICKEL	

PANEL C							
VOLTAGE (V): 120/240				ENCLOSURE TYPE: ----			
PHASES: 3 ϕ 4 W				MOUNTING: SURFACE			
MAINS (A): 60 A MLO				PANEL RATING (A): 60 A			
AIC (A): 0				NOTES: ----			
CCT NO	DESCRIPTION	TRIP AMPS	POLE	POLE	TRIP AMPS	DESCRIPTION	CCT NO
PC-1	B111b QUAD RECEPTACLES	15	1	1	15	B111b QUAD RECEPTACLES	PC-2
PC-3	B111b QUAD RECEPTACLES	15	1	1	15	B111b FLOOR BOX	PC-4
PC-5	B111b FLOOR BOX	15	1	1	15	B111a QUAD RECEPTACLES	PC-6
PC-7	B111a QUAD RECEPTACLES - TV	15	1	1	15	B111a QUAD RECEPTACLES - WORK STATION	PC-8
PC-9	B111a QUAD RECEPTACLES - WORK STATION	15	1	1	15	B111a QUAD RECEPTACLES - WORK STATION	PC-10
PC-11	B111a QUAD RECEPTACLES - WORK STATION	15	1	1	15	SPARE	PC-12
PC-13	SPARE	15	1	1	15	B111a & B111b POWER DOOR OPERATOR	PC-14
PC-15	CORRIDOR POWER DOOR OPERATOR	15	1	1	15	CORRIDOR RECEPTACLE - PRINTER	PC-16
PC-17	B111a EXHAUST FAN	15	1	1	15	B111a MOTORIZED DAMPER	PC-18
PC-19	SPACE	0	1	1	0	SPACE	PC-20
PC-21	SPACE	0	1	1	0	SPACE	PC-22
PC-23	SPACE	0	1	1	0	SPACE	PC-24

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



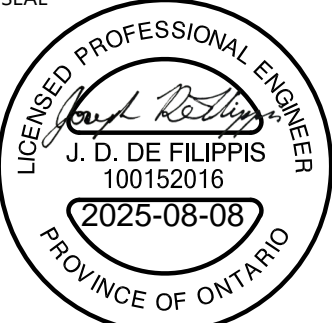
JDX
ADVANCE

JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXadvance.com

CLIENT: **CHERIE NG ARCHITECT INC.**

OWNER: **SHERIDAN COLLEGE**

SEAL



SEAL

DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

SITE: **SHERIDAN COLLEGE - DAVIS CAMPUS**
7899 MCCLAUGHLIN RD
BRAMPTON ONTARIO L6Y 5H9

PROJECT: **SHERIDAN COLLEGE DAVIS CAMPUS RENOVATION**

TITLE: **ELECTRICAL
ELECTRICAL SCHEDULES**

N/A

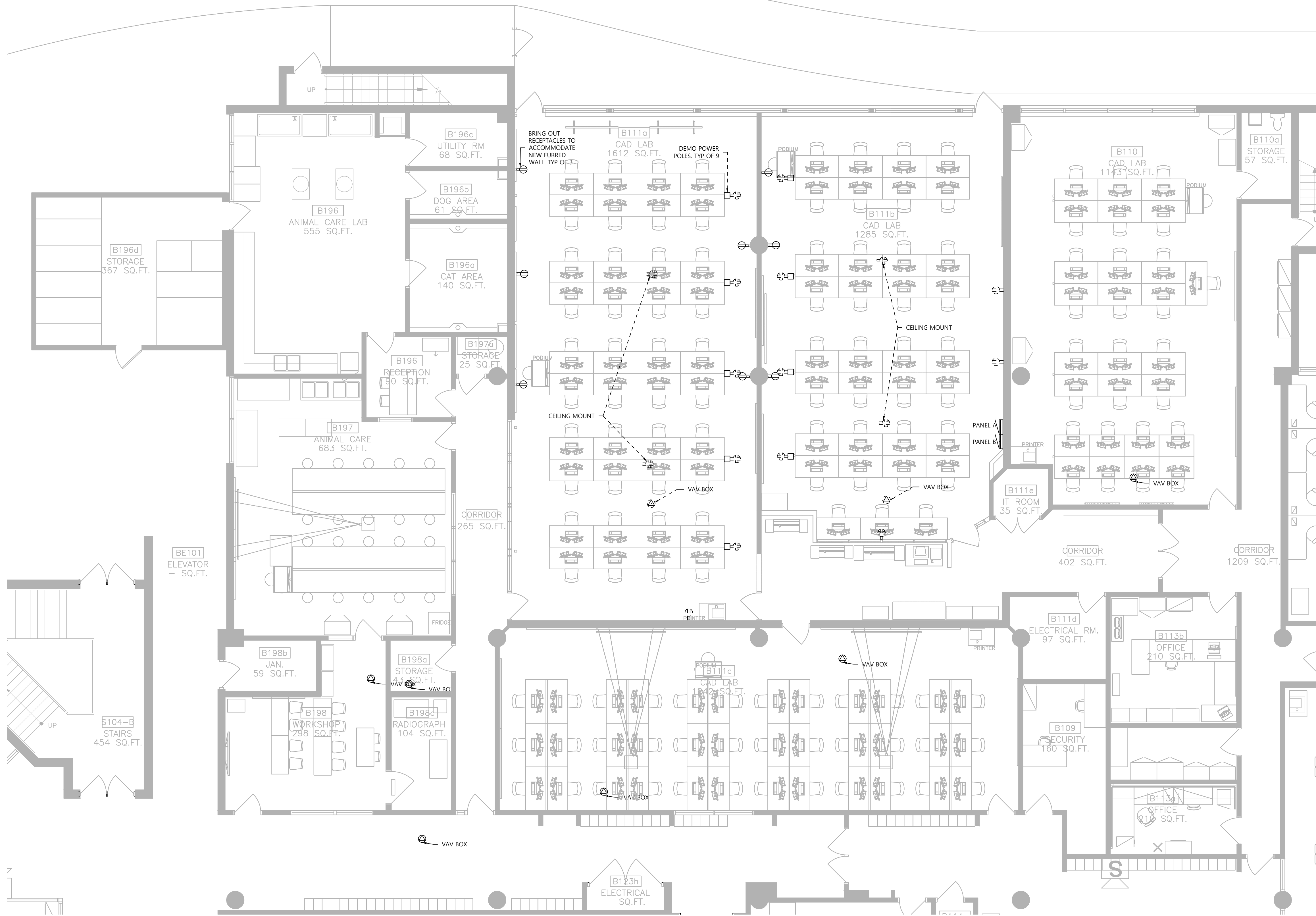
DM

JD

SCALE AT ARCH D: 25220 PROJECT NO:

DRAWN: E102 DRAWING NO:

CHECKED: C REVISION:



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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXadvance.com

CLIENT: CHERIE NG ARCHITECT INC.

OWNER: SHERIDAN COLLEGE



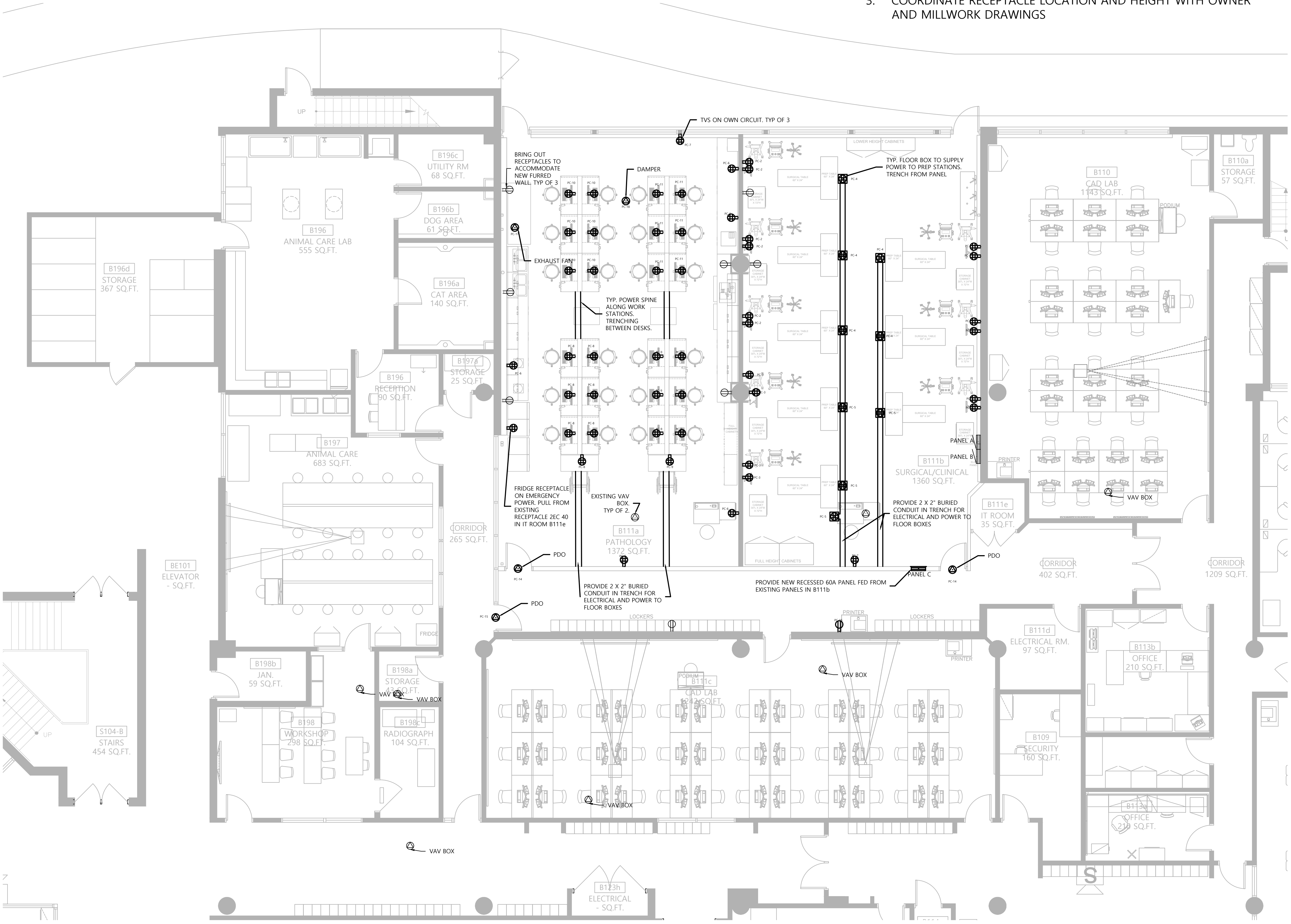
DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

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

PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS
RENOVATION

TITLE: ELECTRICAL
L1 POWER DEMO

1:75	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:
25220	E200	C
PROJECT NO:	DRAWING NO:	REVISION:



NOTES:

1. ALL EXISTING RECEPTACLES TO BE REFRESHED WITH NEW DECORA STAINLESS STEEL PLATES AND LABELLED
2. FLOORS TO BE SCANNED BEFORE TRENCHING FOR POWER AND DATA CONDUITS
3. COORDINATE RECEPTACLE LOCATION AND HEIGHT WITH OWNER AND MILLWORK DRAWINGS

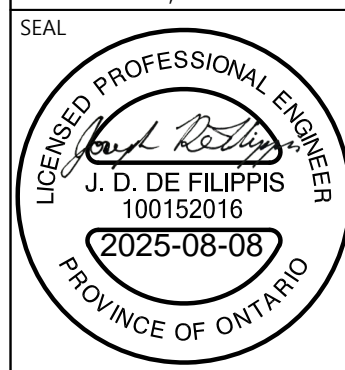
D	PERMIT & TENDER	2025-08-08
C	REISSUED FOR CLIENT REVIEW 90%	2025-07-11
B	CLIENT REVIEW 90%	2025-06-12
A	CLIENT REVIEW 60%	2025-05-23
REV.	DESCRIPTION	DATE



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXAdvance.com

CLIENT: CHERIE NG ARCHITECT INC.

OWNER: SHERIDAN COLLEGE



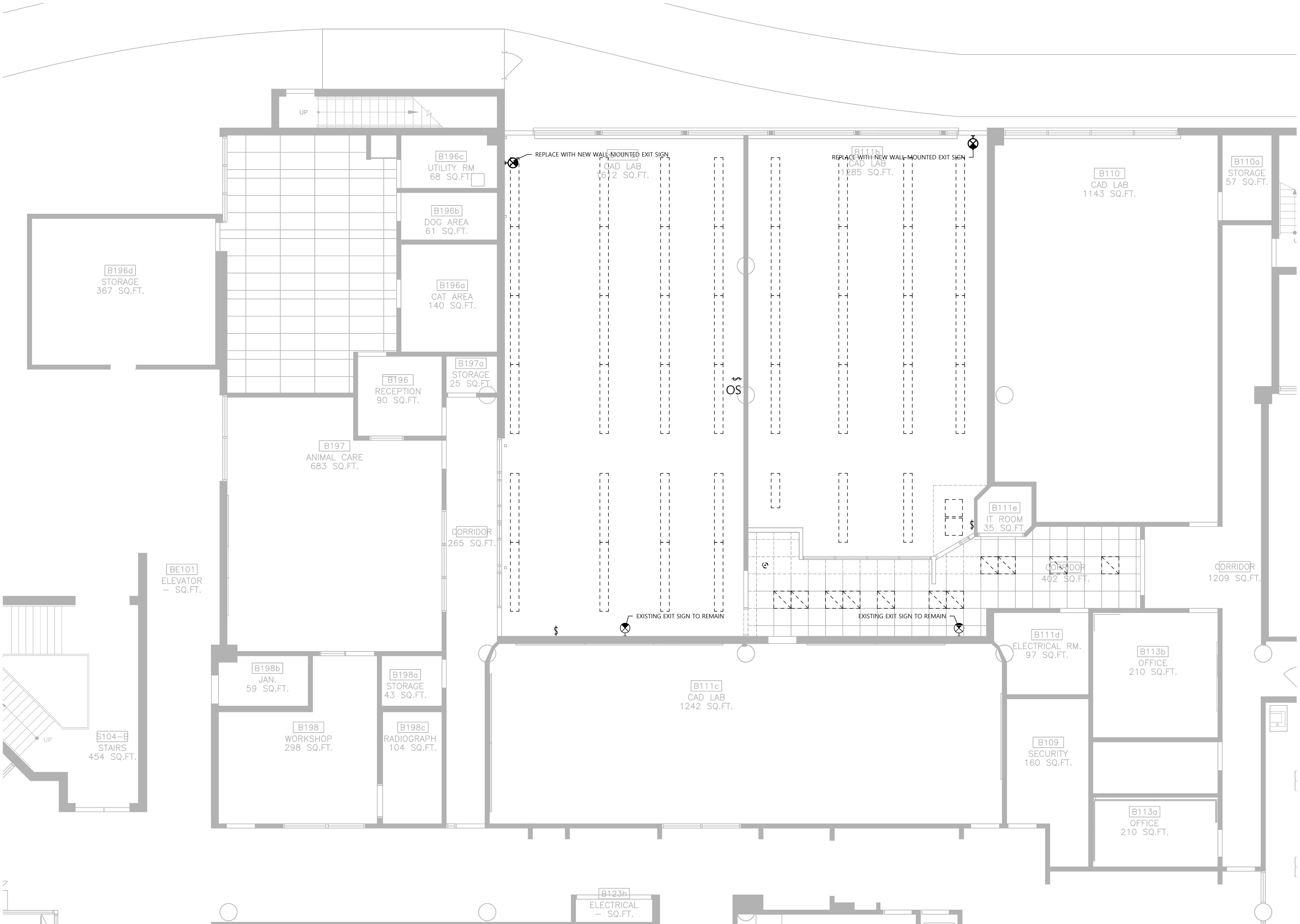
DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

SITE: SHERIDAN COLLEGE - DAVIS CAMPUS
7899 McLAUGHLIN RD
BRAMPTON, ONTARIO L6Y 5H9

PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS
RENOVATION

TITLE: ELECTRICAL
L1 POWER PROPOSED

1:75	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:
25220	E201	C
PROJECT NO:	DRAWING NO:	REVISION:



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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXAdvance.com

CLIENT: **CHERIE NG ARCHITECT INC.**

OWNER: **SHERIDAN COLLEGE**



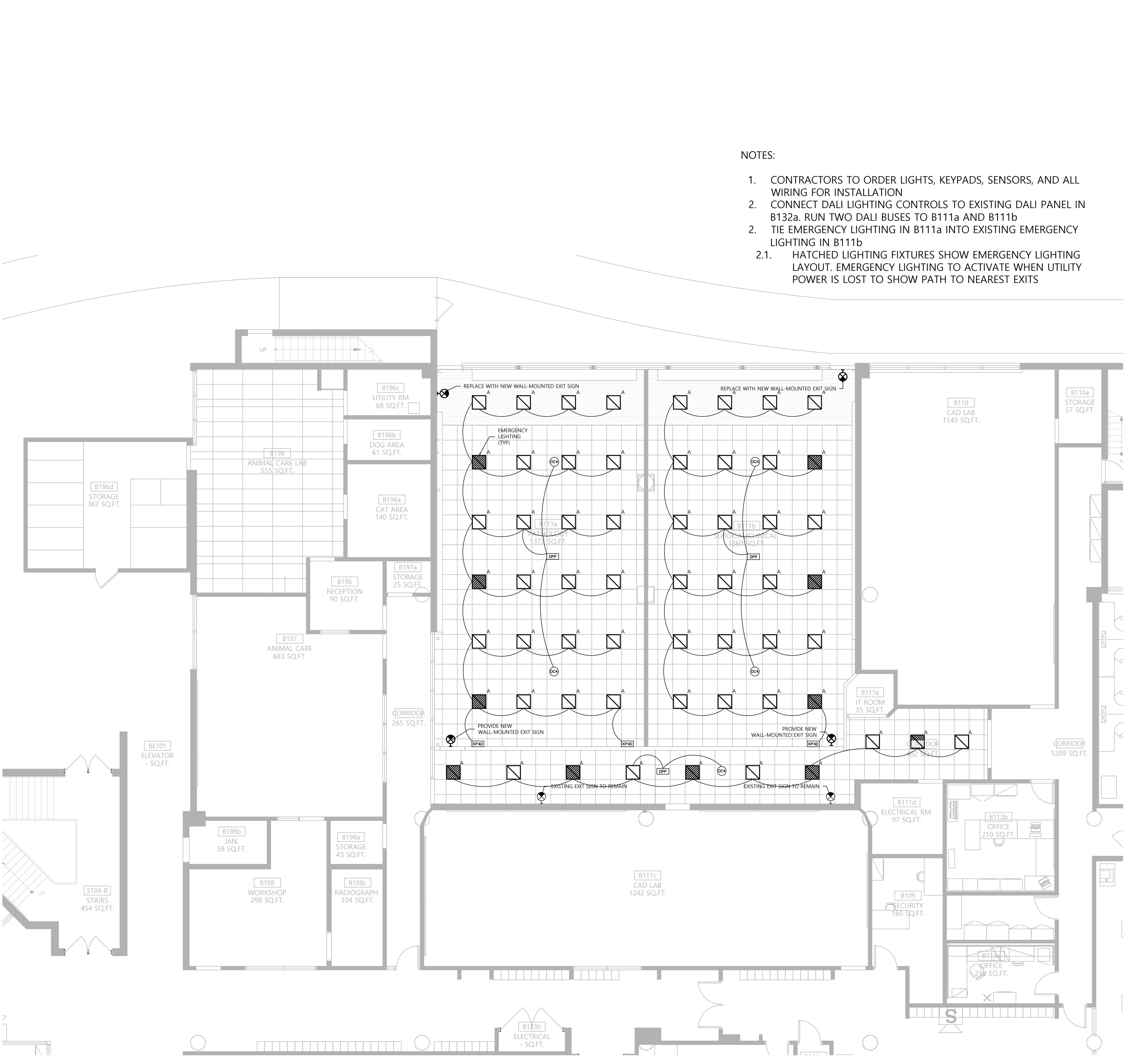
SITE: **SHERIDAN COLLEGE - DAVIS CAMP**

7899 MCLAUGHLIN RD
BRAMPTON, ONTARIO L6Y 5H9

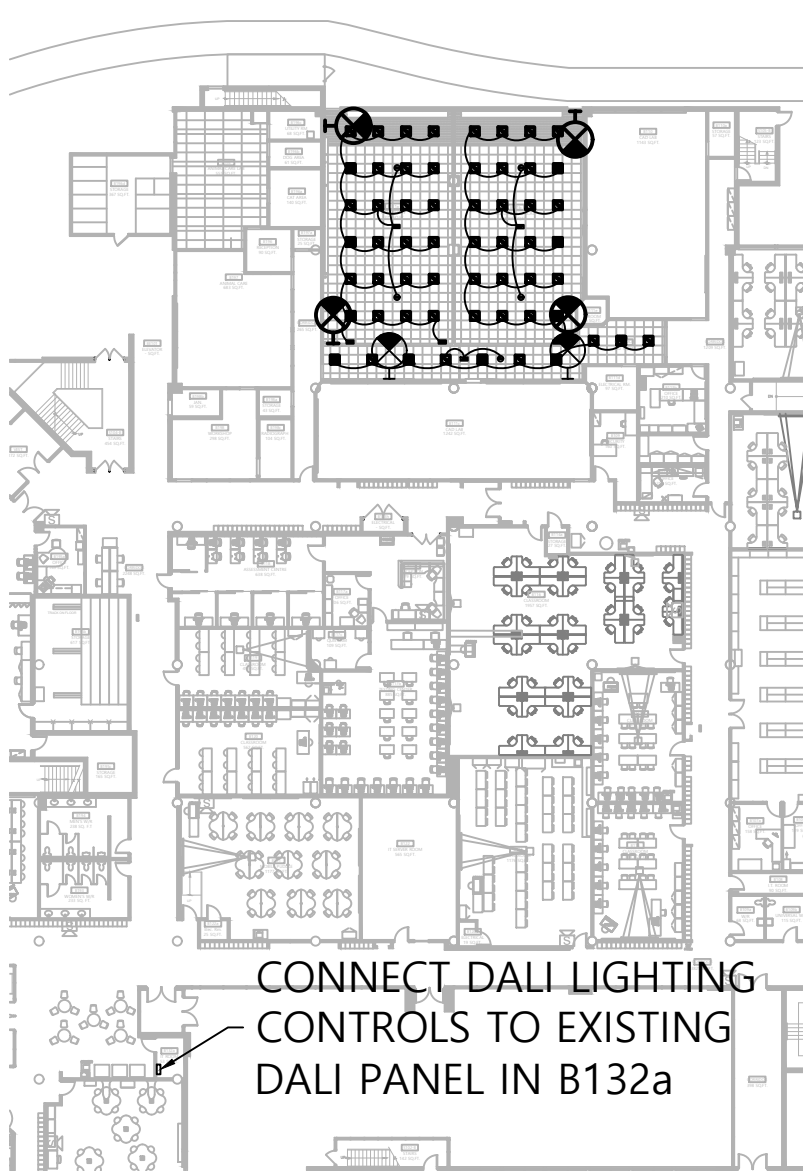
PROJECT: **SHERIDAN COLLEGE DAVIS CAMPUS
RENOVATION**

TITLE: **ELECTRICAL
L1 LIGHTING DEMO**

1:75	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:
25220	E300	C
PROJECT NO:	DRAWING NO:	REVISION:



- NOTES:
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



LIGHTING KEY PLAN
1:500

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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXadvance.com

CLIENT: CHERIE NG ARCHITECT INC.

OWNER: SHERIDAN COLLEGE



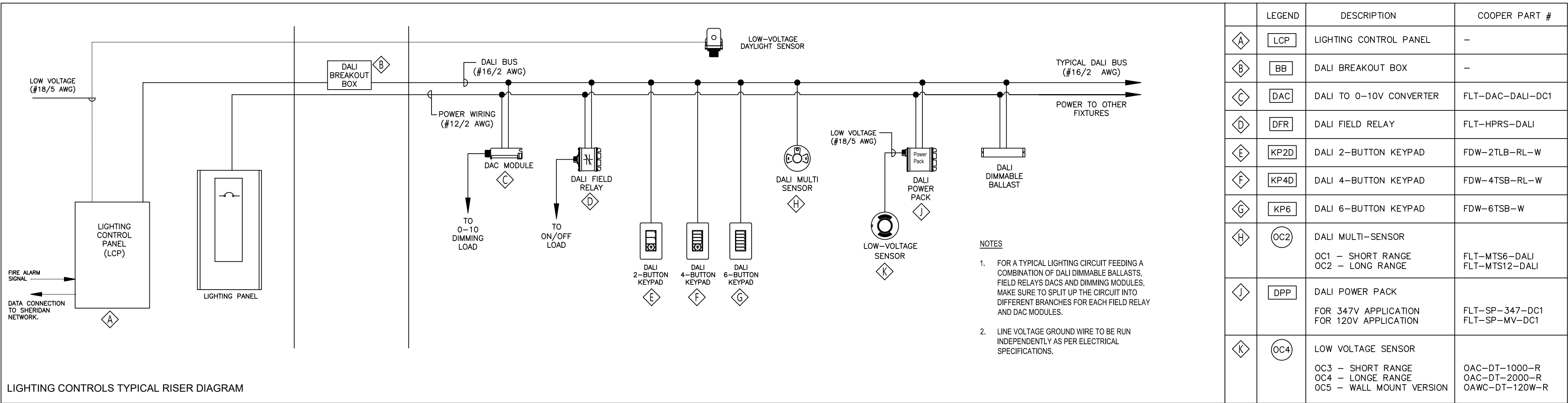
DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

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

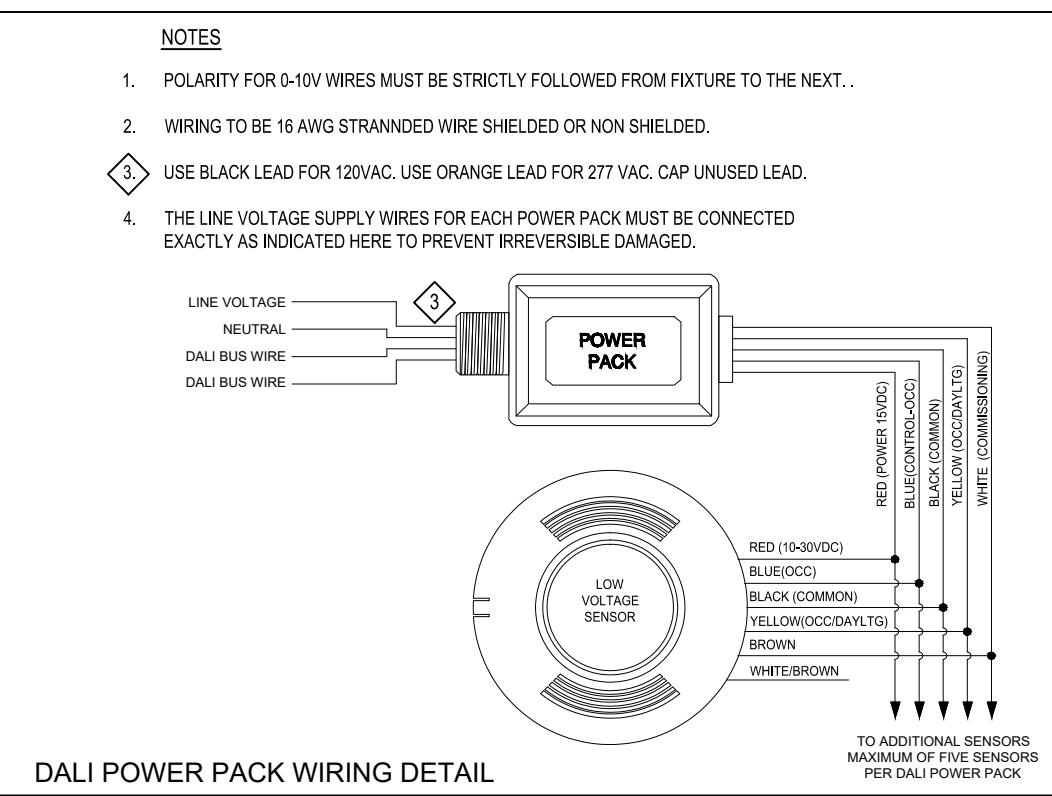
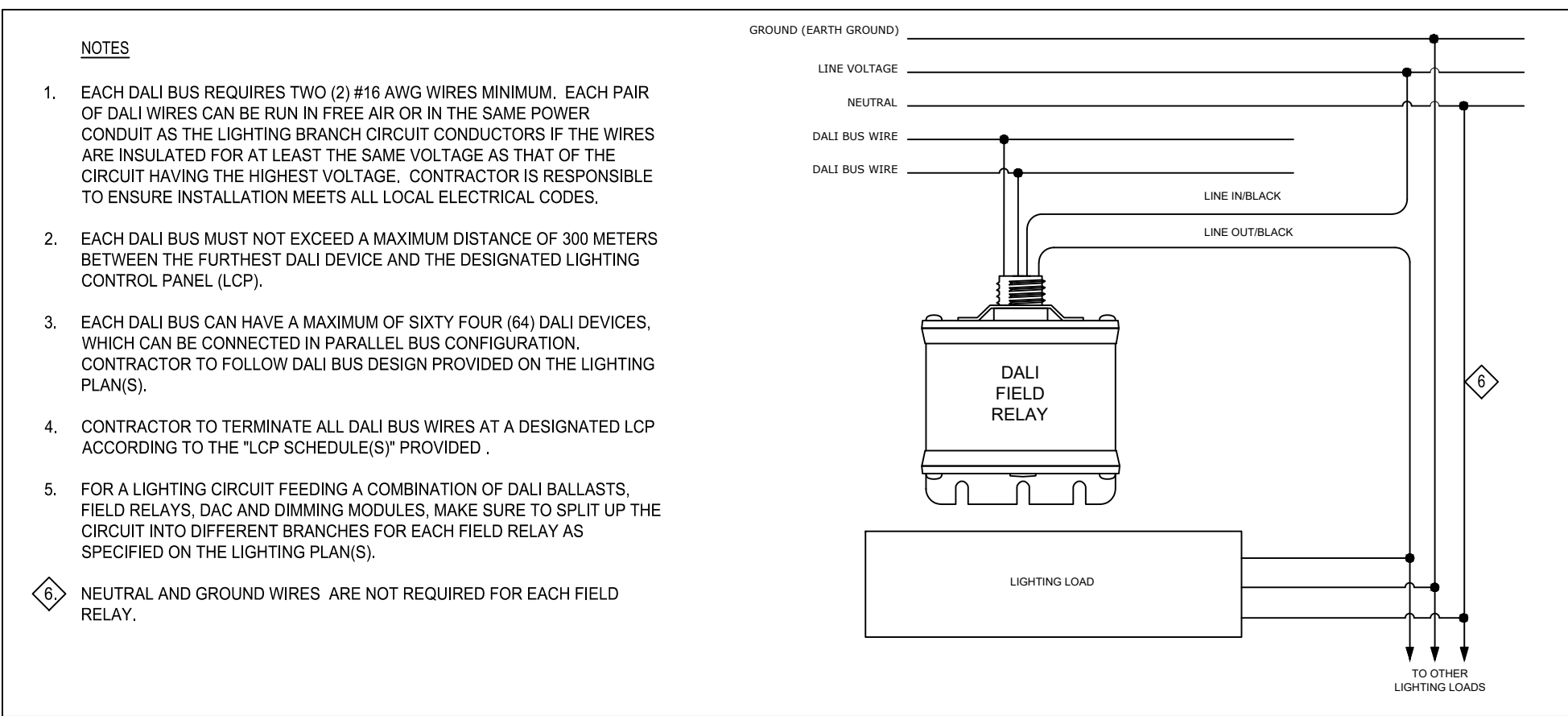
PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS RENOVATION

TITLE: ELECTRICAL
L1 LIGHTING PROPOSED

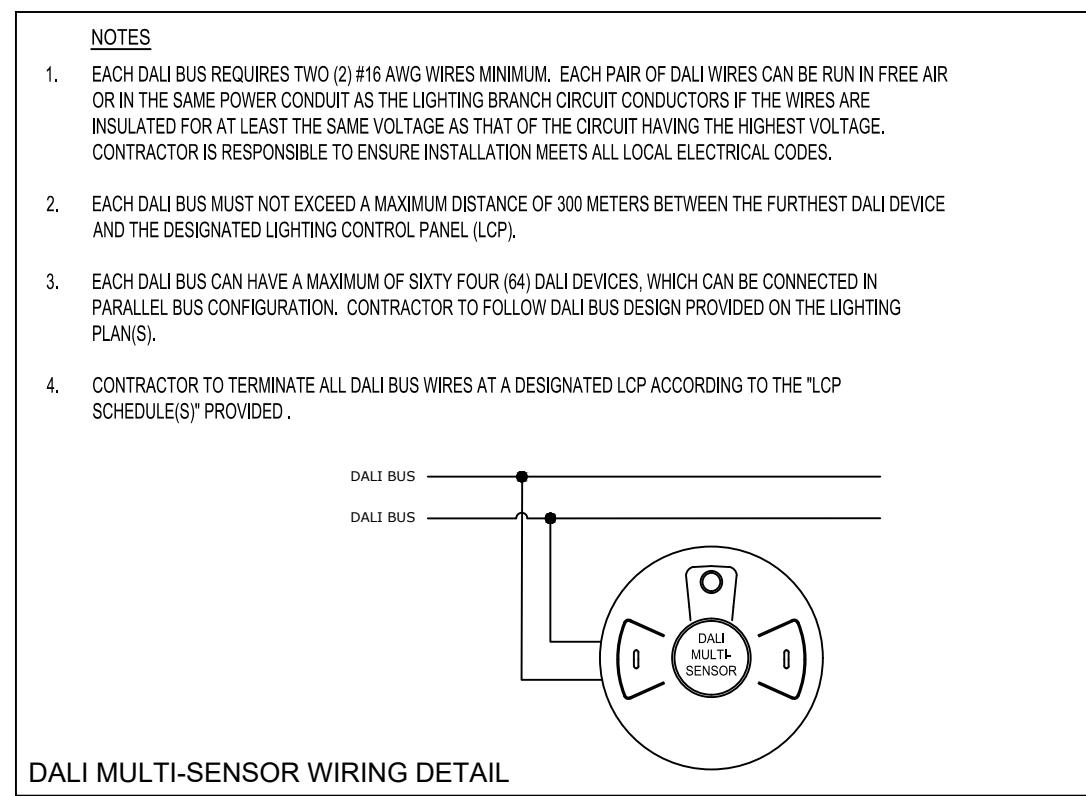
1:75 SCALE AT ARCH D.	SL DRAWN:	JD CHECKED:
25220 PROJECT NO.	E301 DRAWING NO.	C REVISION:



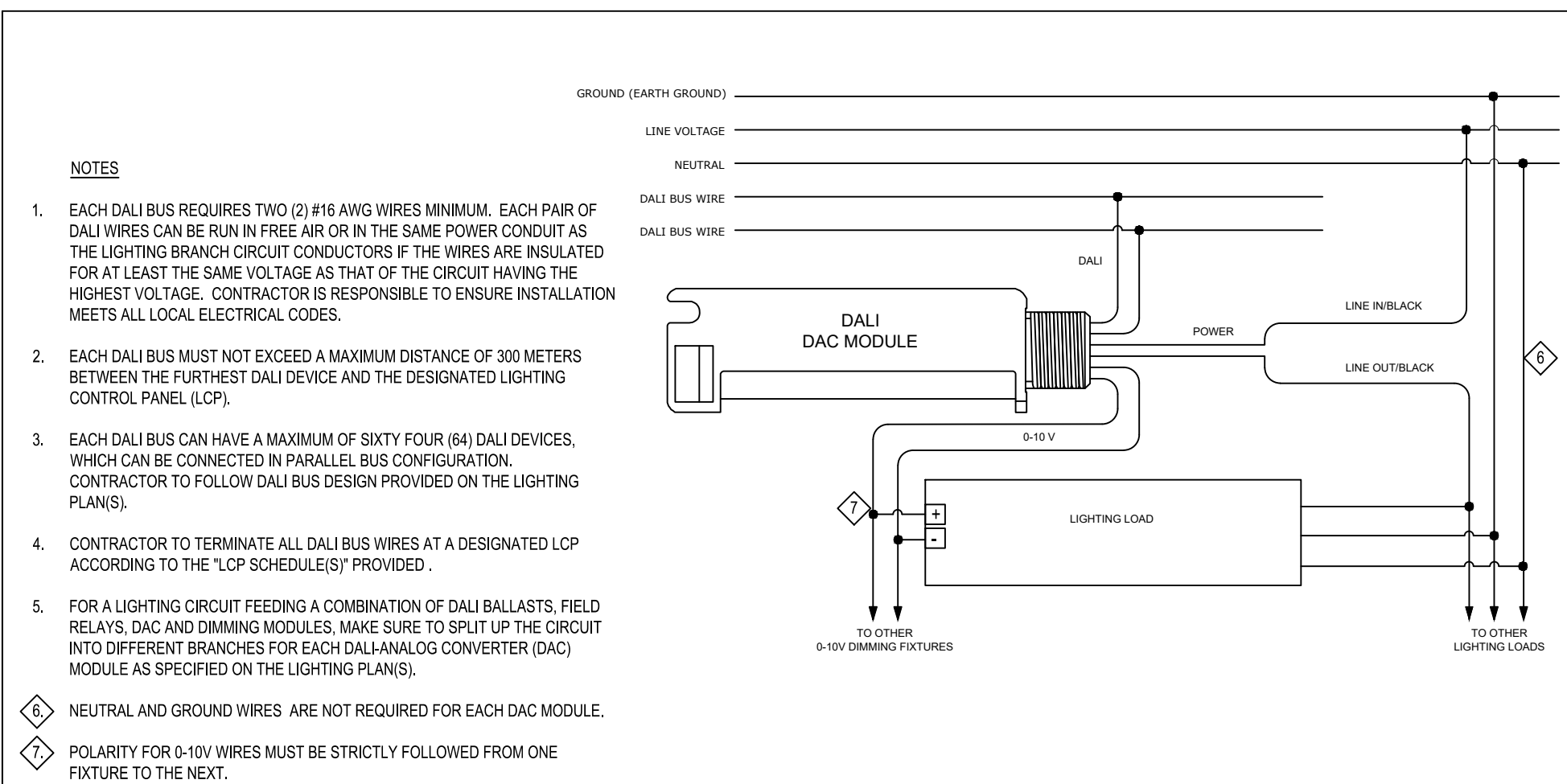
LIGHTING CONTROLS TYPICAL RISER DIAGRAM



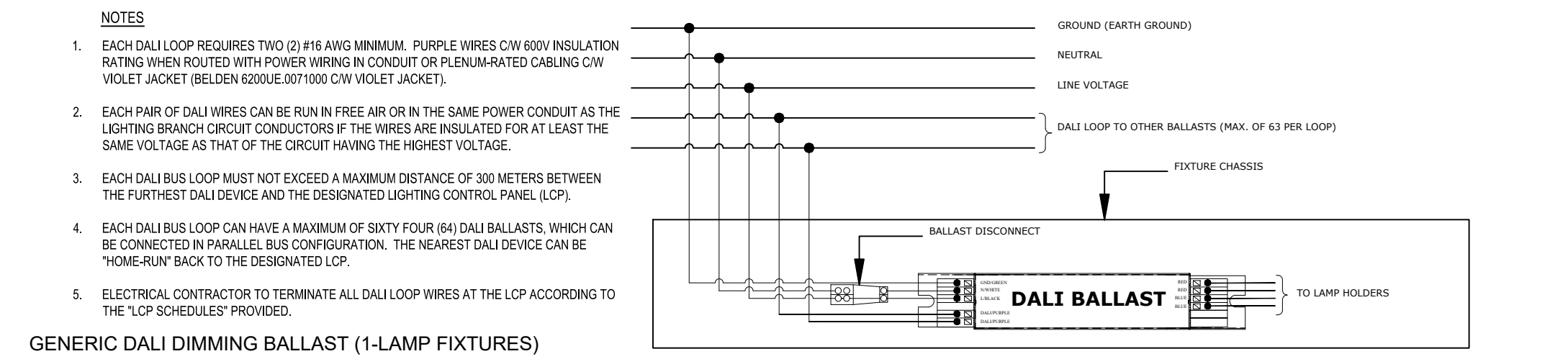
DALI POWER PACK WIRING DETAIL



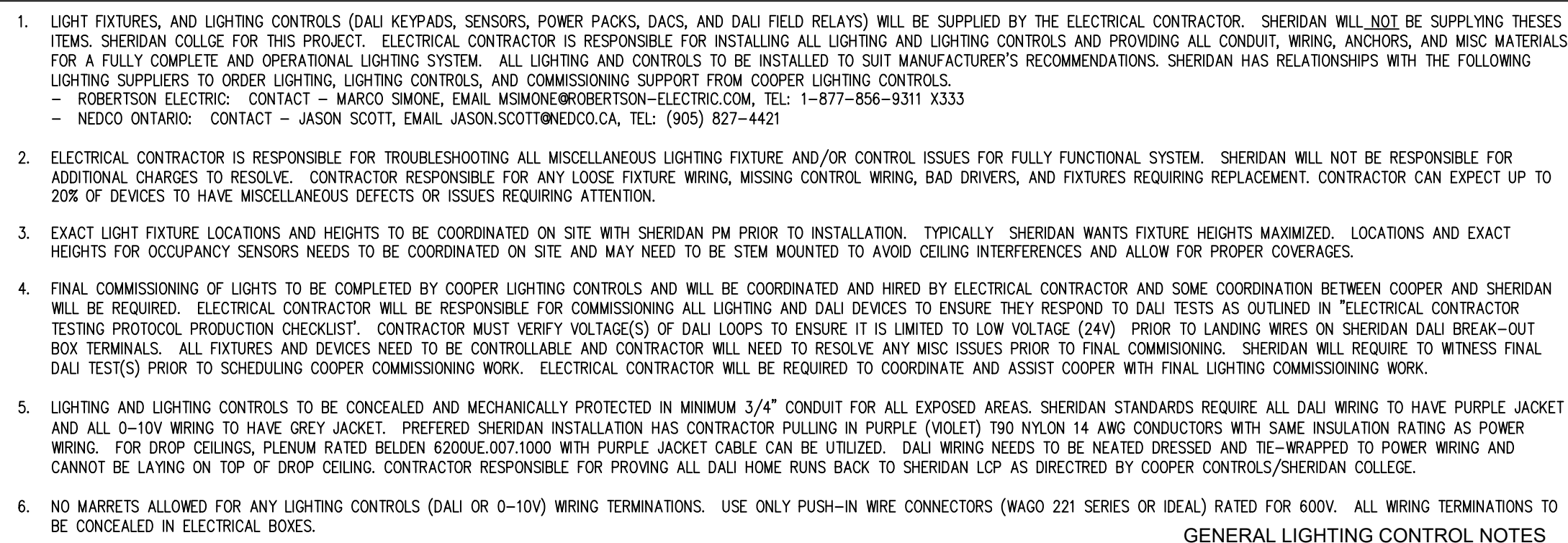
DALI MULTI-SENSOR WIRING DETAIL



DALI DAC MODULE WIRING DETAIL



GENERIC DALI DIMMING BALLAST (1-LAMP FIXTURES)



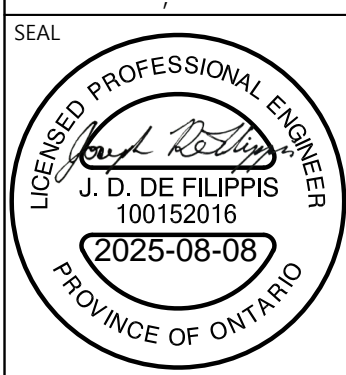
D	PERMIT & TENDER	2025-08-08
C	REISSUED FOR CLIENT REVIEW 90%	2025-07-11
B	CLIENT REVIEW 90%	2025-06-12
A	CLIENT REVIEW 60%	2025-05-23
REV	DESCRIPTION	DATE



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXAdvance.com

CLIENT: **CHERIE NG ARCHITECT INC.**

OWNER: **SHERIDAN COLLEGE**



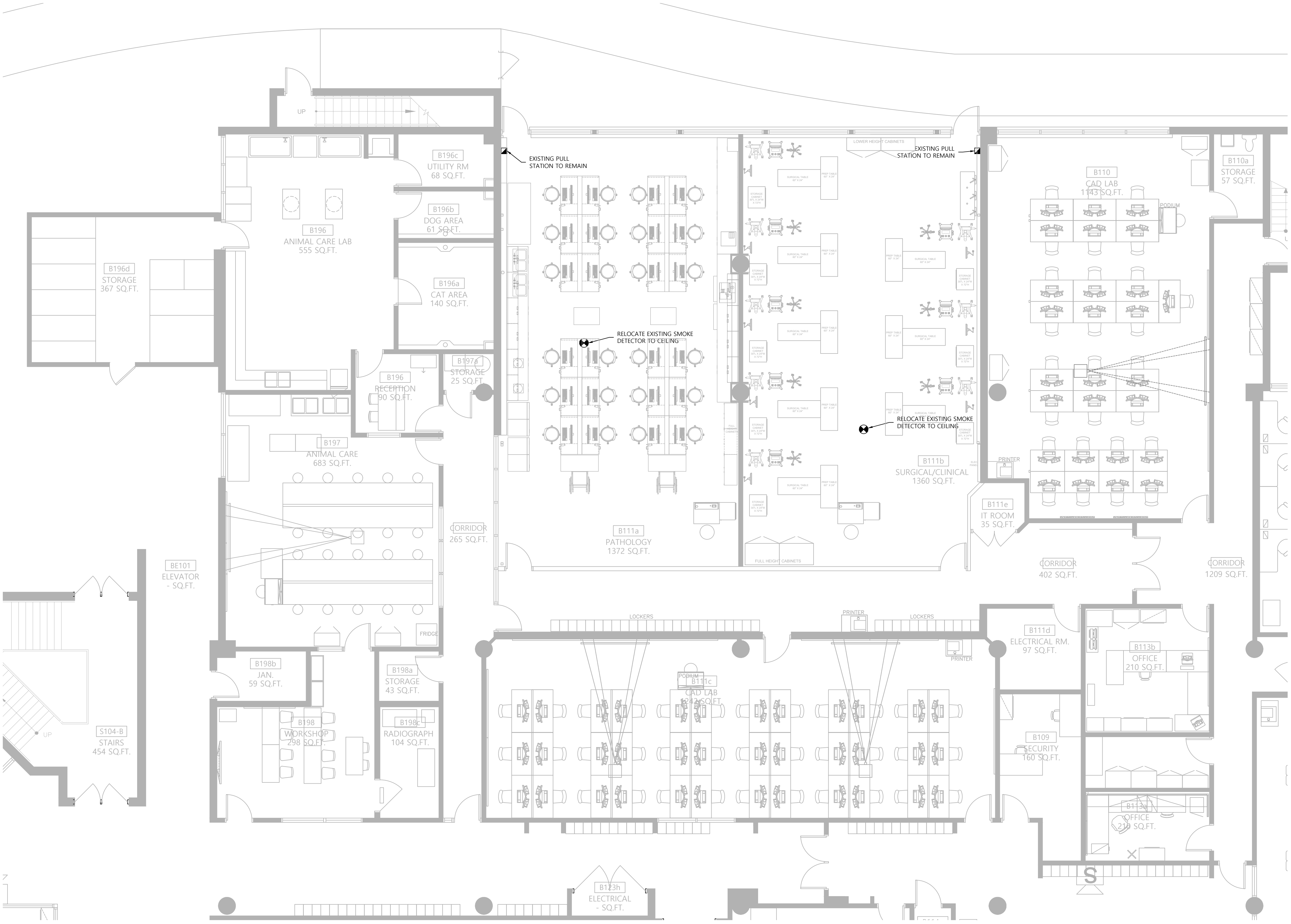
DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

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

PROJECT: **SHERIDAN COLLEGE DAVIS CAMPUS RENOVATIONS**

TITLE: **ELECTRICAL LIGHTING DALI DETAILS**

NTS	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:
25220	E302	C
PROJECT NO:	DRAWING NO:	REVISION:



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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXadvance.com

CLIENT: **CHERIE NG ARCHITECT INC.**

OWNER: **SHERIDAN COLLEGE**



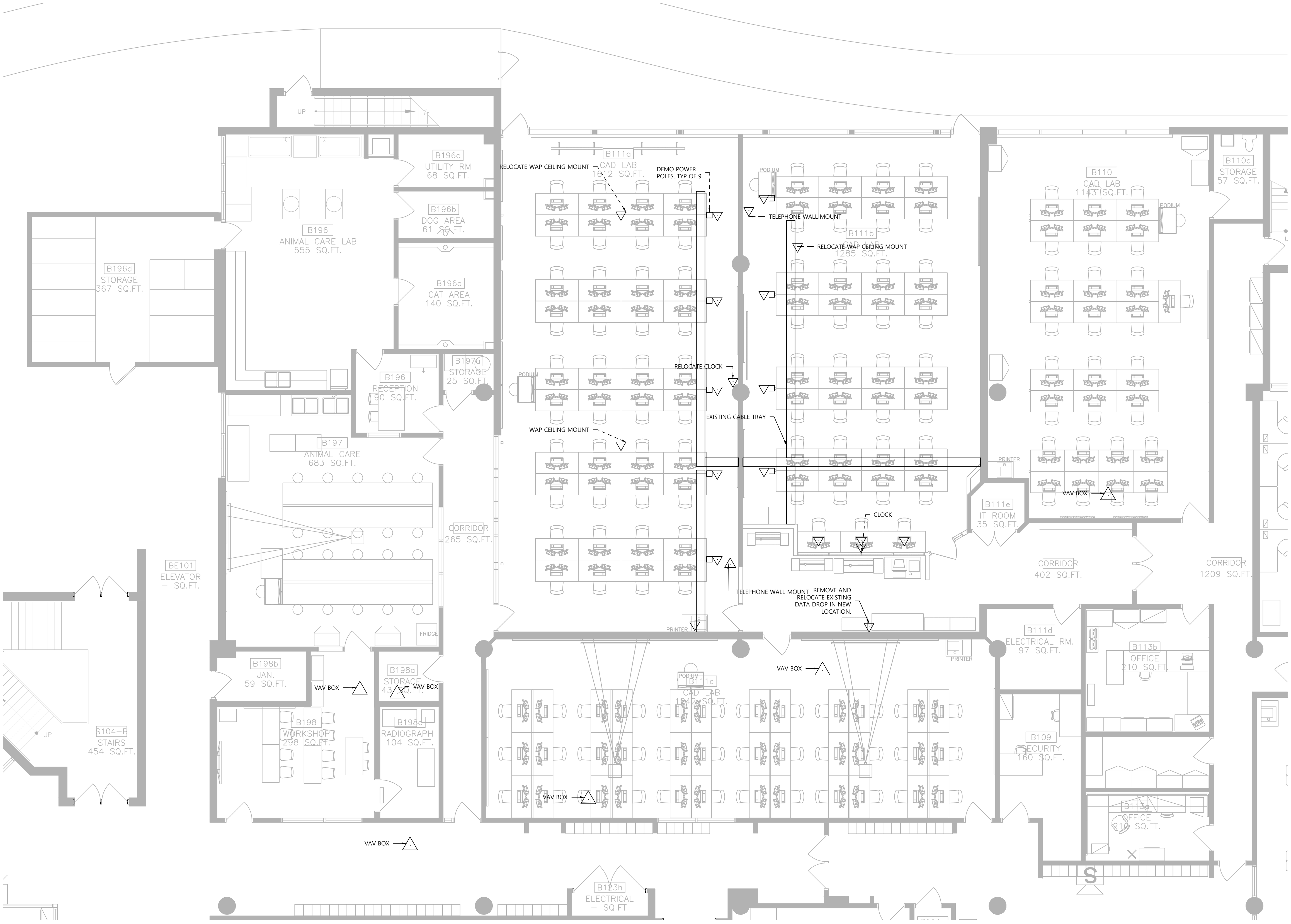
DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

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

PROJECT: **SHERIDAN COLLEGE DAVIS CAMPUS RENOVATION**

TITLE: **ELECTRICAL L1 FIRE ALARM PROPOSED**

1:75	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:
25220	E400	C
PROJECT NO:	DRAWING NO:	REVISION:



- NOTES:
1. DATA CABLING TO BE REMOVED, COILED UP AND REUSED AS NEEDED. UNUSED CABLES TO BE REMOVED TO IT ROOM B111e

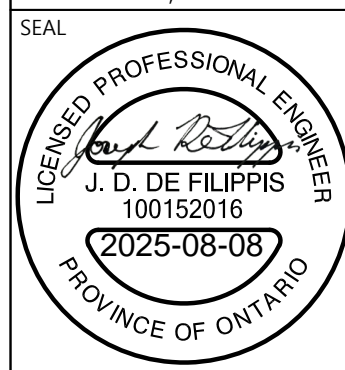
D	PERMIT & TENDER	2025-08-08
C	REISSUED FOR CLIENT REVIEW 90%	2025-07-11
B	CLIENT REVIEW 90%	2025-06-12
A	CLIENT REVIEW 60%	2025-05-23
REV.	DESCRIPTION	DATE



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXadvance.com

CLIENT: CHERIE NG ARCHITECT INC.

OWNER: SHERIDAN COLLEGE



DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

SITE: SHERIDAN COLLEGE - DAVIS CAMPUS

7899 MCLAUGHLIN RD
BRAMPTON, ONTARIO L6Y 5H9

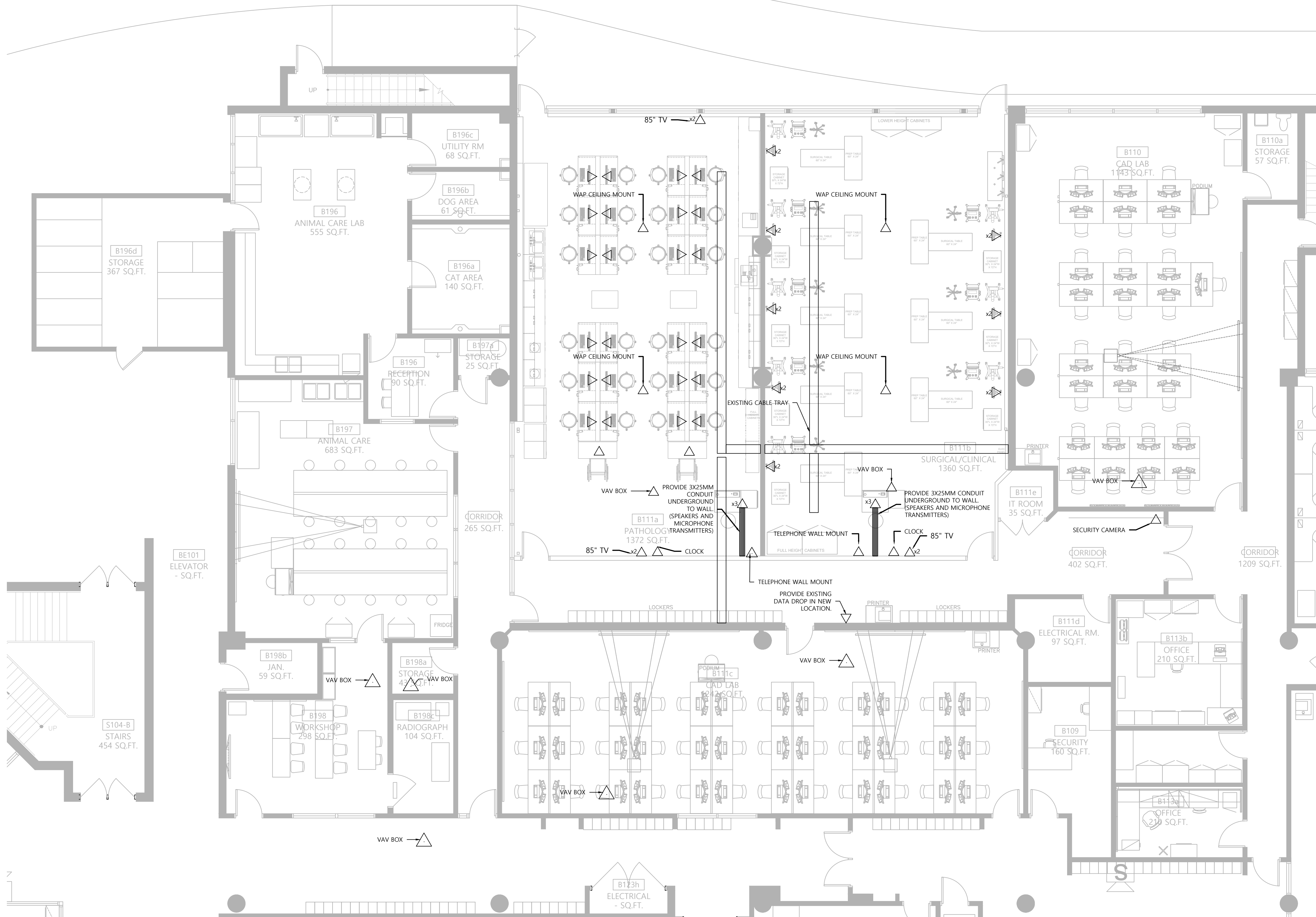
PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS RENOVATION

TITLE: ELECTRICAL L1 DATA DEMO

1:75	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:
25220	E500	C
PROJECT NO:	DRAWING NO:	REVISION:

NOTES:

1. ALL POWER AND COMMUNICATIONS WIRING TO BE IN EMT CONDUIT. ALL NEW CONDUIT TO BE PAINTED WHITE.
2. EXISTING IT CABLING CAN BE REUSED FOR NEW DATA LOCATIONS IF LENGTH ALLOWS. COORDINATE WITH IT. NO JUNCTIONS ALLOWED. IF EXISTING CABLING CAN'T BE REUSED, REMOVE CABLING BACK TO IT ROOM B111e
3. DATA EQUIPMENT FOR PROJECTORS, PODIUMS, WAP's, IP CLOCKS, AND PHONES TO BE REMOVED BY IT. AV TEAM TO REMOVE PROJECTOR SCREENS.
4. MOUNTING EQUIPMENT AND HARDWARE FOR PROJECTORS AND SCREENS TO BE REMOVED BY CONTRACTOR AND RETURNED TO IT.
5. CONTRACTOR TO COORDINATE WITH THE GENERAL CONTRACTOR TO PATCH OPENINGS RESULTING FROM THIS PROJECT. GENERAL CONTRACTOR TO MAKE GOOD ALL FINISHES.



COMMUNICATIONS

1. GENERAL NOTES
- 1.1. DATA CLOSET TO BE USED (IF REQUIRED): B111e
- 1.2. LABELING CONVENTION USED: WIRING CLOSET # - "U"# - PORT# (LOCATION ON THE PATCH PANEL) (FOR EXAMPLE: C135-115-47)
- 1.3. PRIOR TO ANY I.T. RELATED WORK, GC AND/OR IT CABLING CONTRACTOR SHALL CONTACT:
 - 1.3.1. MARTIN NOWAKOWSKI 416-577-4969
 - 1.3.2. DARKO RADMAN 647-234-4196
2. DATA CONTRACTOR SHALL VERIFY CAPACITY AND LOCATION OF WIRING CLOSET REQUIRED TO COMPLETE SCOPE OF WORK.
3. PROVIDE WARRANTY CERTIFICATE UPON PROJECT COMPLETION TO SHERIDAN P.M.
4. PROVIDE ELECTRONIC COPIES OF BOTH SUMMARY AND TEST RESULTS FOR ALL JOBS TO SHERIDAN P.M.
5. PROVIDE ELECTRONIC COPY OF AS-BUILT TO SHERIDAN P.M. IN BOTH AUTOCAD AND PDF FORMAT.
6. FOR ADDITIONAL INFORMATION, REFER TO "MASTER GUIDELINES FOR COMMUNICATIONS INFRASTRUCTURE V.5.01 (MARCH 24, 2020)
7. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL PATHWAYS SUCH AS CONDUIT, CABLE TRAY AND/OR RACEWAY FOR COMMUNICATION SYSTEMS. CONTRACTOR TO DISCUSS WITH SHERIDAN P.M. EXACT LOCATIONS, METHODS, AND SIZES OF CONDUITS, THEN RECEIVE WRITTEN APPROVAL PRIOR TO ANY ROUGH-IN (REFER TO SECTION 7.1 IN "THE MASTER GUIDELINES FOR COMMUNICATIONS INFRASTRUCTURE V.5.01")
8. IT CABLING CONTRACTOR SHALL SUPPLY AND INSTALL STAINLESS STEEL DECORA COVER FOR DATA CABLING OUTLETS. MOUNTED 16" AFF UNLESS OTHERWISE NOTED.
9. COORDINATE ALL NEW DATA PATHWAYS AND DATA LOCATIONS WITH SHERIDAN P.M. PRIOR TO INSTALLATION TO OBTAIN APPROVAL FROM IT.
10. DATA TO BE FED FROM WIRING CLOSET IN ROOM E109. PROVIDE 1'-0" LIGHT BLUE CAT6 BELDEN CERTIFIED PATCH CABLES AT CLOSET, AND 7' AT CLIENT END. LIGHT BLUE MDVO TO BE USED UNLESS OTHERWISE SPECIFIED.
11. ALL WIRING AND CABLING RUNS SHALL BE ENCLOSED IN EMT CONDUIT UNLESS OTHERWISE SPECIFIED. EXPOSED SURFACE EMT CONDUIT SHALL BE ONLY ACCEPTABLE WHEN NOTED (IE. COLUMN MOUNT) OR APPROVED BY SHERIDAN P.M.
12. OUTLETS SHALL NOT BE INSTALLED BACK TO BACK IN PARTITIONS. STAGGER TO PREVENT SOUND TRANSFER.
13. WHERE DATA CABLES GO INTO FURNITURE, MILLWORK, ETC. A 2-GANG BACKBOX C/W STAINLESS STEEL (GROMMET) COVER PLATE, SUPPLY & INSTALL COILED PROTECTIVE COVER. TYPICAL
14. DATA CABLING RUN ABOVE ACT TO BE NEAT AND TIDY. DATA CONTRACTOR RESPONSIBLE FOR INSTALLATION OF J-HOOKS, CABLE TRAY, ETC.
15. PLASTIC BUSHING IS TO BE INSTALLED AT BOTH ENDS OF RIGID CONDUIT FOR ALL NEW DATA CABLING.
16. REFER TO CHART BELOW FOR STANDARD EMT CONDUIT SIZE FOR DATA CABLING. FOR ANY NEW CONSTRUCTION, MAXIMUM FILL RATE SHALL NOT EXCEED 40% (I.E. 1" CONDUIT MAXIMUM FILL RATIO: 6 CABLES X 0.40 = 2.4 CABLES)
17. 4-PAIR CATEGORY 6 (TYPICAL CABLE O.D. 0.24")

TRADE SIZE	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
INSIDE ϕ	0.824"	1.049"	1.380"	1.610"	2.067"	2.469"	3.068"	4.026"
MAXIMUM	-	6	10	15	20	30	40	-

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



DX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
905-329-0918 | www.IDXadvance.com

CLIENT: **CHERIE NG ARCHITECT INC.**

OWNER: SHERIDAN COLLEGE

DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

SITE: SHERIDAN COLLEGE - DAVIS CAMP
3000 MC LAUGHLIN RD

7899 MCLAUGHLIN RD
BRAMPTON, ONTARIO L6Y 5H9

PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS
RENOVATION

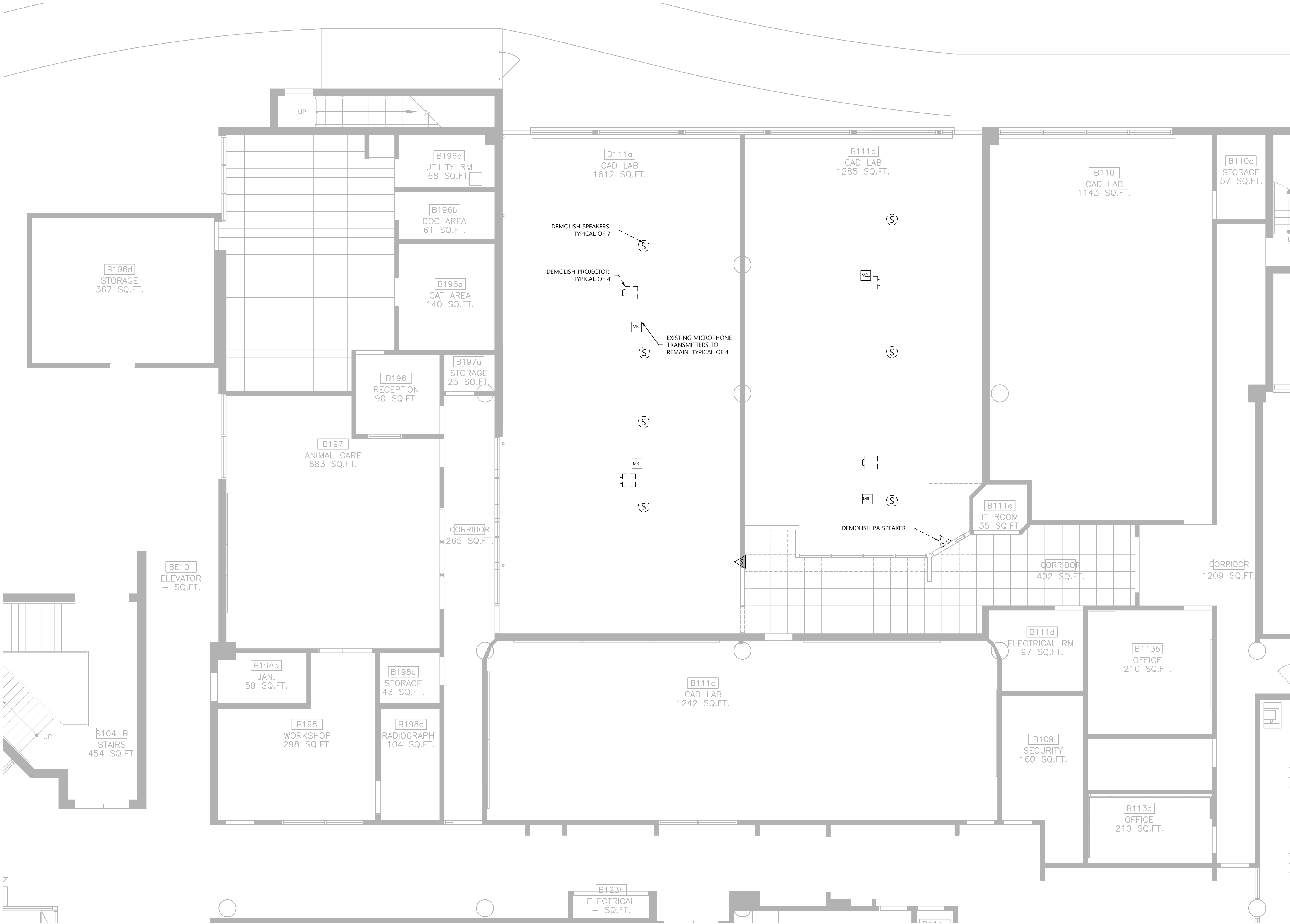
TITLE:	ELECTRICAL L1 DATA PROPOSED
--------	--------------------------------

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

25220	E501	C
PROJECT NO:	DRAWING NO:	REVISION:

NOTES:

- 1. AV TEAM TO REMOVE PROJECTOR SCREENS.
- 2. MOUNTING EQUIPMENT AND HARDWARE FOR PROJECTORS AND SCREENS TO BE REMOVED BY CONTRACTOR AND RETURNED TO IT.
- 3. CONTRACTOR TO COORDINATE WITH THE GENERAL CONTRACTOR TO PATCH OPENINGS RESULTING FROM THIS PROJECT. GENERAL CONTRACTOR TO MAKE GOOD ALL FINISHES.



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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXadvance.com

CLIENT: CHERIE NG ARCHITECT INC.

OWNER: SHERIDAN COLLEGE



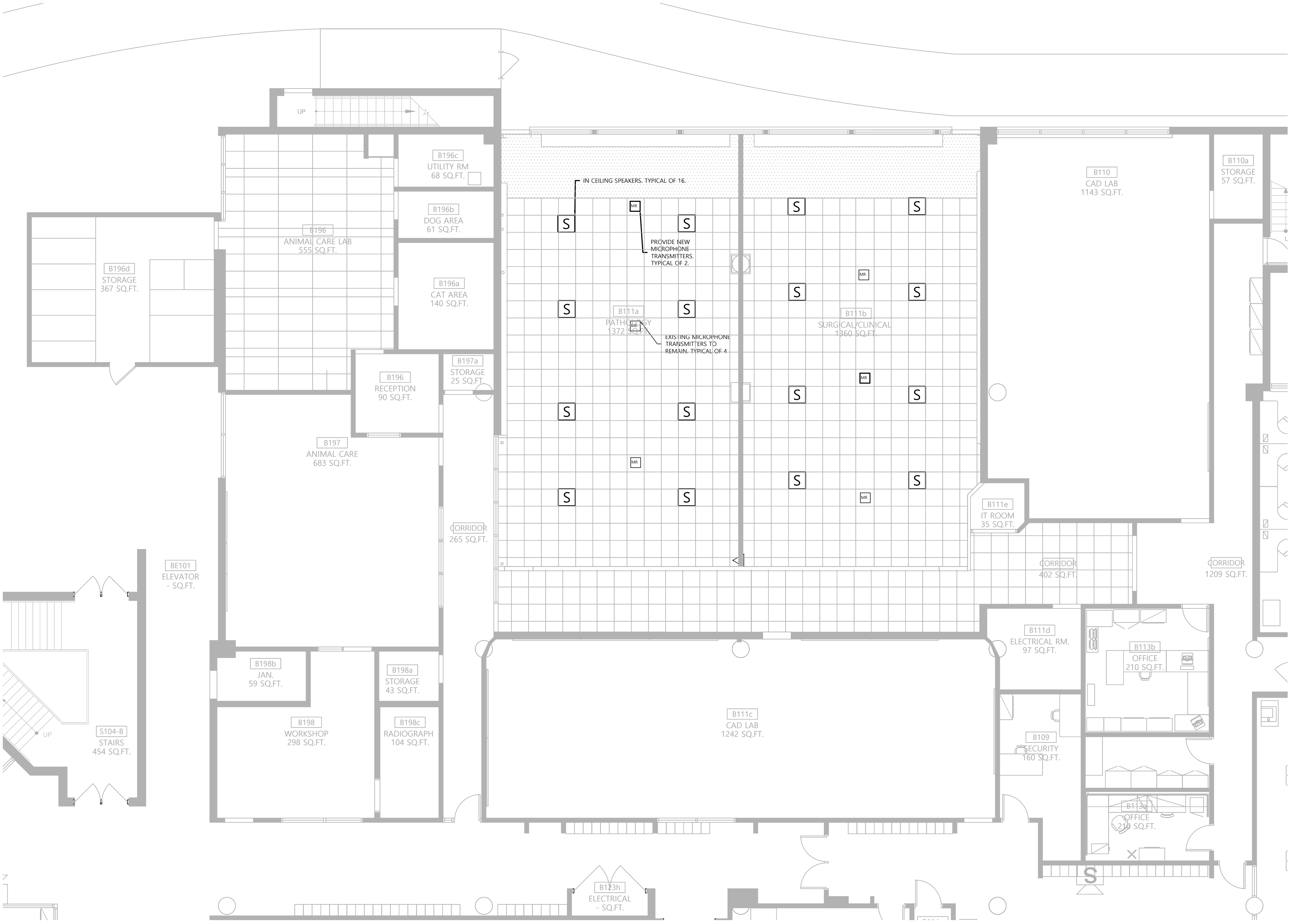
DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

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

PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS
RENOVATION

TITLE: ELECTRICAL
L1 AV DEMO

1:75	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:
25220	E502	C
PROJECT NO:	DRAWING NO:	REVISION:



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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXAdvance.com

CLIENT: CHERIE NG ARCHITECT INC.

OWNER: SHERIDAN COLLEGE



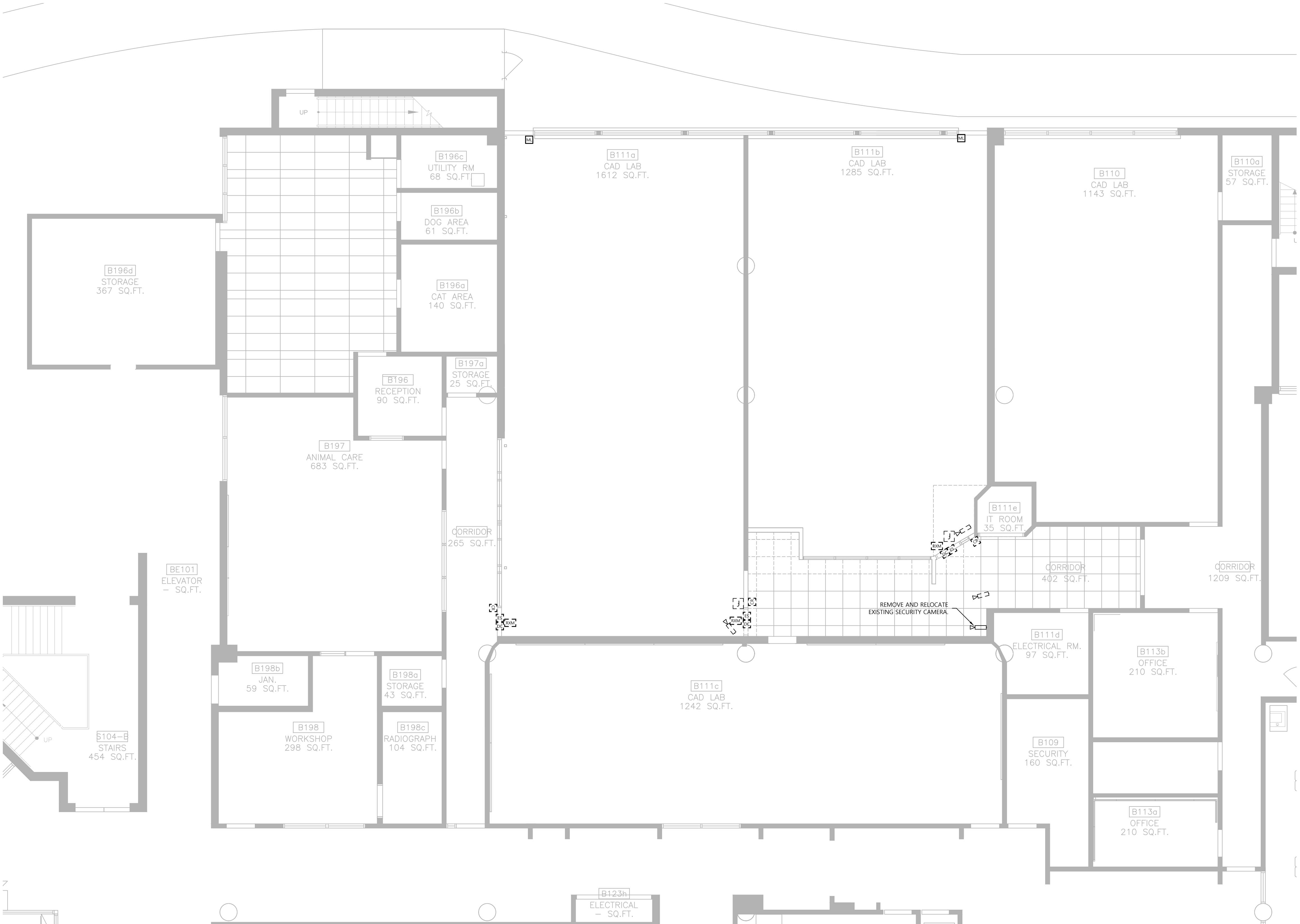
DRAWINGS TO BE USED ONLY FOR INDICATED PURPOSES

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

PROJECT: SHERIDAN COLLEGE DAVIS CAMPUS
RENOVATION

TITLE: ELECTRICAL
L1 AV PROPOSED

1:75	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:
25220	E503	C
PROJECT NO:	DRAWING NO:	REVISION:



NOTES:

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

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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXAdvance.com

CLIENT: **CHERIE NG ARCHITECT INC.**

OWNER: **SHERIDAN COLLEGE**



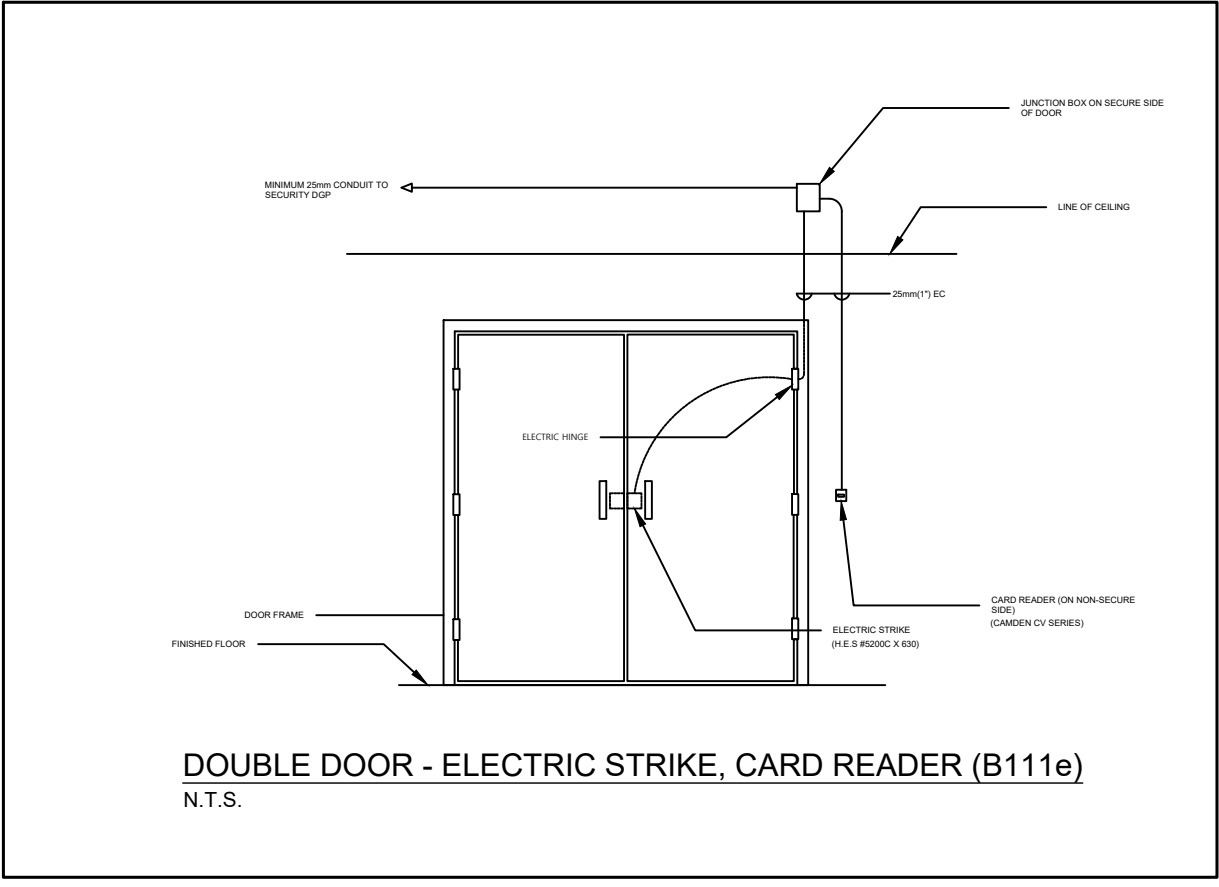
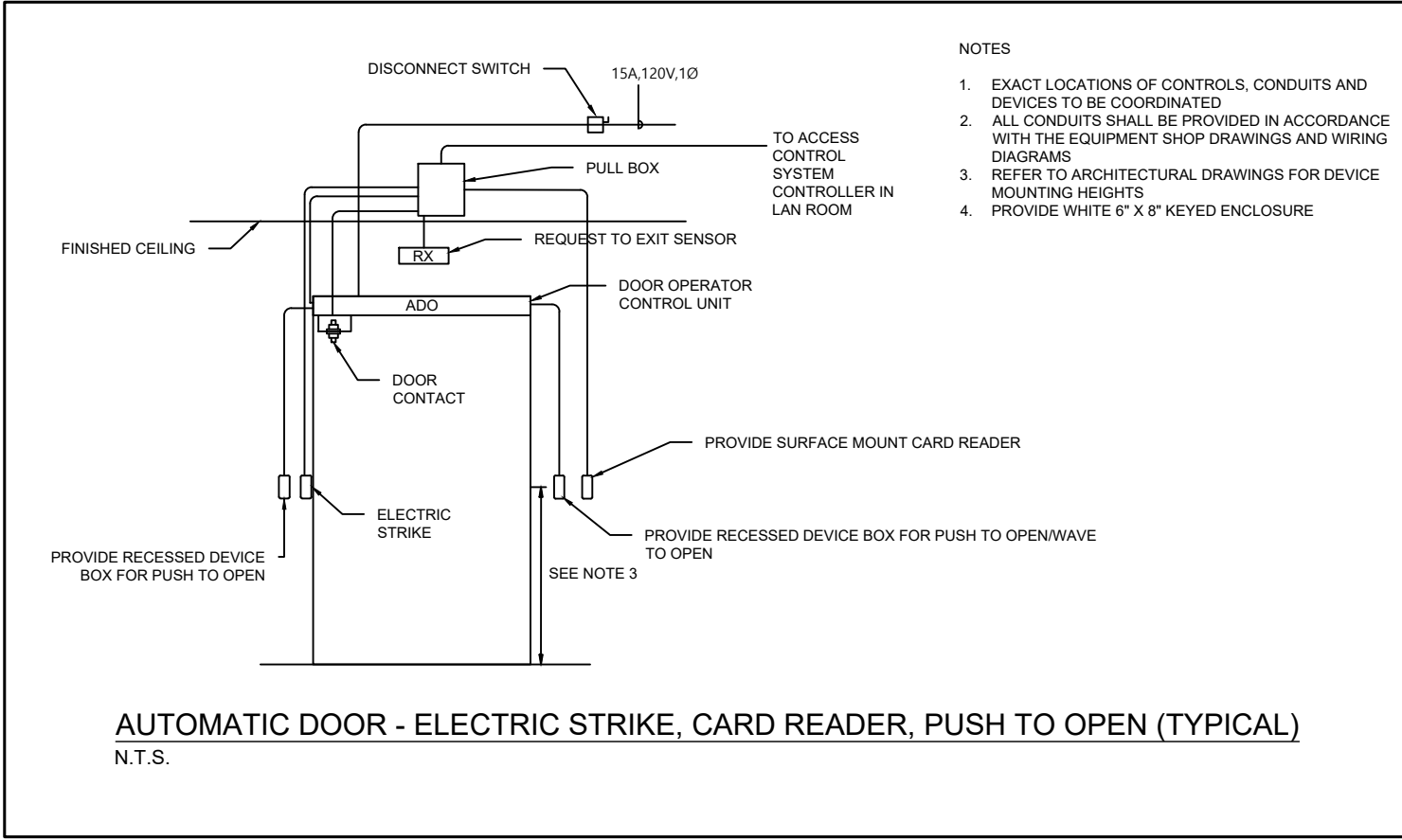
SITE: **SHERIDAN COLLEGE - DAVIS CAMP**

7899 MCLAUGHLIN RD
BRAMPTON, ONTARIO L6Y 5H9

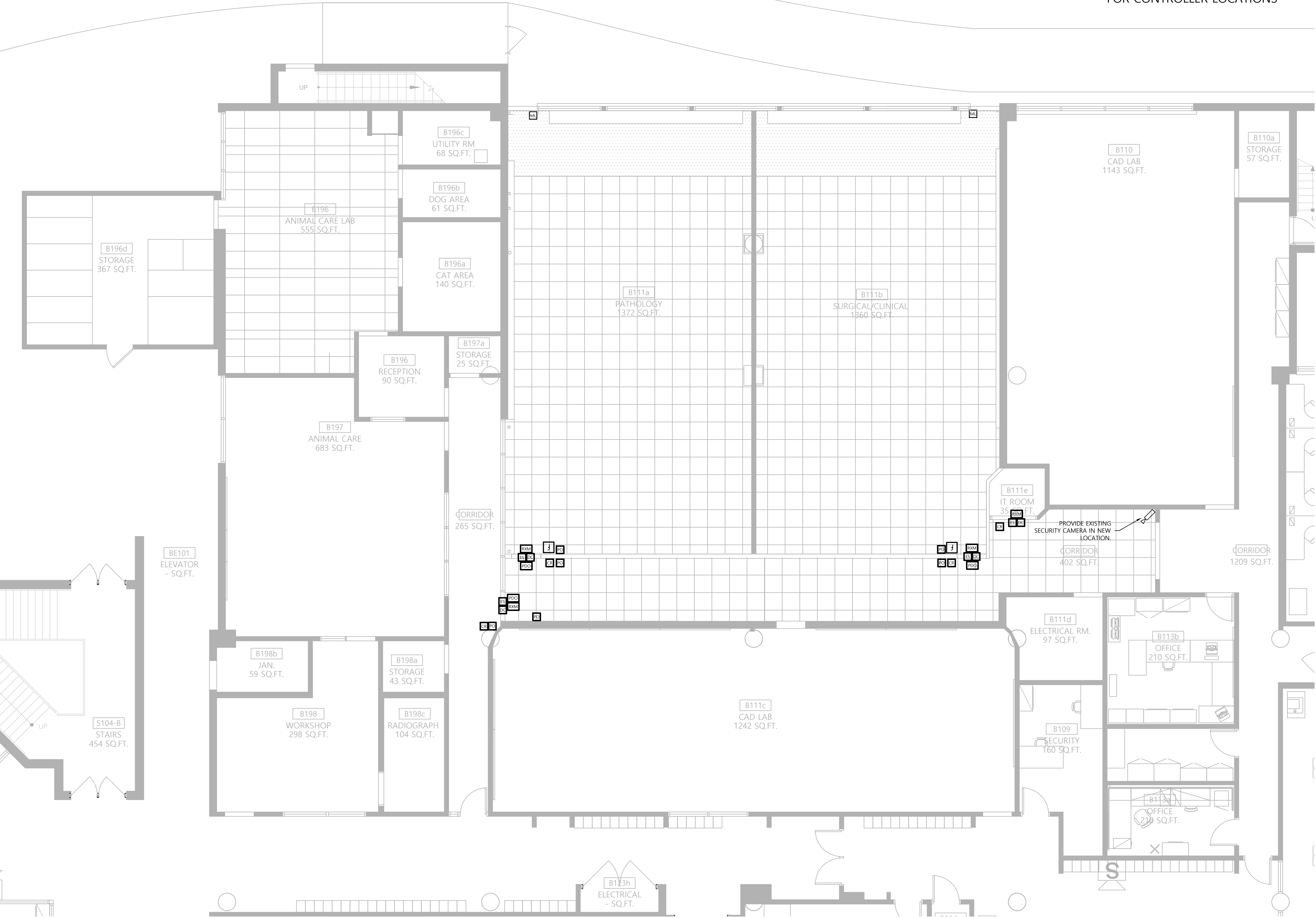
PROJECT: **SHERIDAN COLLEGE DAVIS CAMPUS
RENOVATION**

TITLE: **ELECTRICAL
L1 SECURITY DEMO**

1:75	SL	JD
SCALE AT ARCH D:	DRAWN:	CHECKED:
25220	E600	C
PROJECT NO:	DRAWING NO:	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



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



JDX Advance Services Inc.
687 Barton Street, Suite 106
Stoney Creek, Ontario
289-329-0918 | www.JDXAdvance.com

CLIENT: CHERIE NG ARCHITECT INC.

OWNER: SHERIDAN COLLEGE



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: ELECTRICAL
L1 SECURITY PROPOSED

1:75 SCALE AT ARCH D:	SL DRAWN:	JD CHECKED:
25220 PROJECT NO:	E601 DRAWING NO:	C REVISION: