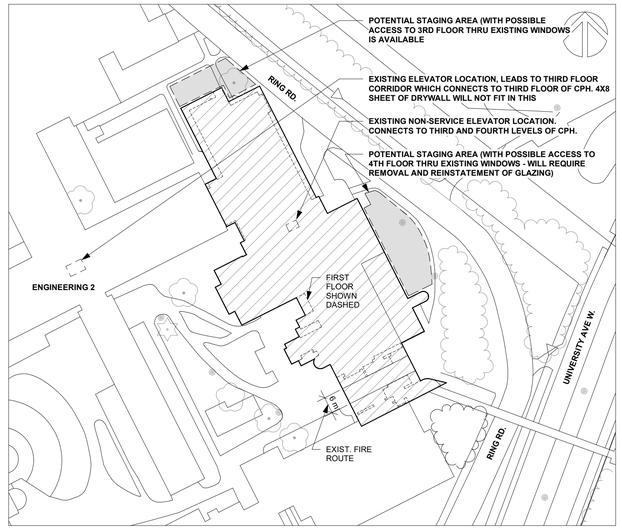




SITE PLAN 1:1000

UNIVERSITY OF WATERLOO

UNIVERSITY OF WATERLOO

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

BSN Architects Project No.: 2024-0711-10

ISSUED FOR TENDER 05/11/26

ARCHITECTURAL DRAWING LIST

A000	COVER SHEET & DRAWING LIST
A001	ASSEMBLIES & DOOR SCHEDULE
A002	OBC MATRIX & LIFE SAFETY PLAN
A003	FINISH PLANS
A110	SCOPE 1 - LARGE CLASSROOM DEMOLITION PLAN & RCP
A120	SCOPE 2 - 4TH YEAR DESIGN STUDIO DEMOLITION PLAN & RCP
A130	SCOPE 3 - FACULTY + STUDENT LOUNGE DEMOLITION PLAN & RCP
A140	SCOPE 4 - PHD OPEN OFFICE DEMOLITION PLAN & RCP (AP 02)
A150	SCOPE 5 - MID SIZE CLASSROOM + STUDY SPACE DEMOLITION PLAN & RCP
A200	THIRD FLOOR PLAN
A201	FOURTH FLOOR PLAN
A210	SCOPE 1 - LARGE CLASSROOM PLAN & RCP
A220	SCOPE 2 - 4TH YEAR DESIGN STUDIO PLAN & RCP (AP-01)
A230	SCOPE 3 - FACULTY + STUDENT LOUNGE PLAN AND RCP (AP-01)
A240	SCOPE 4 - PHD OPEN OFFICE PLAN & RCP (AP-02)
A250	SCOPE 5 - MID SIZE CLASSROOM + STUDY SPACE
A310	S1 LARGE CLASSROOM AND SEMINAR ROOM INTERIOR ELEVATIONS
A320	S2 4TH YEAR DESIGN STUDIO SECTIONS (AP-01)
A321	S2 4TH YEAR DESIGN STUDIO INTERIOR ELEVATIONS (AP-01)
A330	S3 FACULTY + STUDENT LOUNGE INTERIOR ELEVATIONS (AP-01)
A340	S4 PHD OPEN OFFICE SECTIONS (AP-02)
A341	S4 PHD OPEN OFFICE INTERIOR ELEVATIONS (AP-02)
A342	S4 PHD OPEN OFFICE INTERIOR ELEVATIONS (AP-02)
A343	S4 PHD OPEN OFFICE INTERIOR ELEVATIONS (AP-02)
A344	S4 PHD OPEN OFFICE INTERIOR ELEVATIONS (AP-02)
A350	S5 MID SIZE CLASSROOM + STUDY SPACE INTERIOR ELEVATIONS
A351	S5 MID SIZE CLASSROOM + STUDY SPACE INTERIOR ELEVATIONS
A410	SCOPE 1 - WALL SECTIONS
A420	SCOPE 2 - WALL SECTIONS (AP-01)
A421	SCOPE 2 & 3 - WALL SECTIONS (AP-01)
A440	SCOPE 4 - WALL SECTIONS (AP-02)
A441	SCOPE 4 - WALL SECTIONS (AP-02)
A442	SCOPE 4 - WALL SECTIONS (AP-02)
A443	SCOPE 4 - WALL SECTIONS (AP-02)
A450	SCOPE 5 - WALL SECTIONS
A500	PATIO GUARD AND SCUPPER REPAIR DETAILS
A510	SCOPE 1 & 5 - PLAN DETAILS
A520	SCOPE 2 - PLAN DETAILS (AP-01)
A540	SCOPE 4 - PLAN DETAILS (AP-02)
A630	SCOPE 3 - MILLWORK DETAILS
A631	SCOPE 3 - MILLWORK DETAILS
A650	SCOPE 5 - MILLWORK DETAILS

STRUCTURAL DRAWING LIST

S001	GENERAL NOTES, TABLES AND TYPICAL DETAILS
S002	FRAMING PART PLANS AND SECTIONS

ELECTRICAL DRAWING LIST

E001	ELECTRICAL NOTES, LEGENDS, AND DRAWING LIST
ED01	SCOPE 1 - LARGE CLASSROOM DEMOLITION LIGHTING LAYOUT
ED02	SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO DEMOLITION LIGHTING LAYOUT
ED03	SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE DEMOLITION LIGHTING LAYOUT
ED04	SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE DEMOLITION LIGHTING LAYOUT
ED05	SCOPE 5 - MID SIZED CLASSROOM + STUDY SPACE DEMOLITION LIGHTING LAYOUT
ED06	SCOPE 6 (ALT PRICE 3) - HALLWAY DEMOLITION LIGHTING LAYOUT
ED07	SCOPE 6 (ALT PRICE 4) - WEST CORRIDOR DEMOLITION LIGHTING LAYOUT
ED08	SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR DEMOLITION LIGHTING LAYOUT
ED09	SCOPE 1 - LARGE CLASSROOM DEMOLITION POWER LAYOUT
ED10	SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO DEMOLITION POWER LAYOUT
ED11	SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE DEMOLITION POWER LAYOUT
ED12	SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE DEMOLITION POWER LAYOUT
ED13	SCOPE 5 - MID SIZED CLASSROOM + STUDY SPACE DEMOLITION POWER AND SYSTEMS LAYOUT
ED14	SCOPE 6 (ALT PRICE 3) - HALLWAY DEMOLITION POWER LAYOUT
ED15	SCOPE 6 (ALT PRICE 4) - WEST CORRIDOR DEMOLITION POWER LAYOUT
ED16	SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR DEMOLITION POWER LAYOUT
E101	ELECTRICAL OVRALL 3TH FLOOR PLAN
E102	ELECTRICAL OVERALL 4TH FLOOR PLAN
E201	SCOPE 1 - LARGE CLASSROOM LIGHTING LAYOUT
E 202	SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO LIGHTING LAYOUT
E203	SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE LIGHTING LAYOUT
E204	SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE LIGHTING LAYOUT
E205	SCOPE 5 - MID-SIZED CLASSROOM + STUDY SPACE LIGHTING LAYOUT
E206	SCOPE 6 (ALT PRICE 3) - HALLWAY LIGHTING LAYOUT
E207	SCOPE 6 (ALT PRICE 4) - WEST CORRIDOR LIGHTING LAYOUT
E208	SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR LIGHTING LAYOUT
E301	SCOPE 1 - LARGE CLASSROOM POWER LAYOUT
E302	SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO POWER LAYOUT
E303	SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE POWER LAYOUT
E304	SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE POWER LAYOUT
E305	SCOPE 5 - MID-SIZED CLASSROOM + STUDY SPACE POWER LAYOUT
E306	SCOPE 6 (ALT PRICE 3) - HALLWAY POWER LAYOUT
E307	SCOPE 6 (ALT PRICE 4) - WEST CORRIDOR POWER LAYOUT
E308	SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR POWER LAYOUT
E801	ELECTRICAL DETAILS
E802	ELECTRICAL DETAILS
E803	ELECTRICAL DETAILS
E901	ELECTRICAL SCHEDULES
E902	ELECTRICAL SCHEDULES
E903	ELECTRICAL SCHEDULES

MECHANICAL DRAWING LIST

M001	LEGEND, ROOM SCHEDULE AND DRAWING LIST
M110	MECHANICAL PLAN - 120 PERSON CLASSROOM
M111	HYDRONIC PLAN - 120 PERSON CLASSROOM
M120	MECHANICAL PLAN - 4TH YEAR DESIGN STUDIO
M130	MECHANICAL PLAN - FACULTY & STUDENT LOUNGE (4TH FLOOR)
M140	MECHANICAL PLAN - PHD OPEN OFFICE & MEETING ROOMS
M150	MECHANICAL PLAN - MID SIZE CLASSROOM & STUDY SPACE
M601	MECHANICAL DETAILS
M901	SCHEDULES

317 Adelaide Street W., Suite 1002

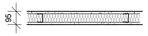
Toronto, Ontario, Canada M5V 1P9

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architects

Baird Sampson Neuert

PARTITION ASSEMBLIES:



P1 **GWB METAL STUD ACOUSTIC PARTITION – OVERALL THICKNESS 95mm [STC 43]**

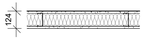
- 16mm – GWB [TYPE X]
- 63.5mm – 63.5mm THK METAL STUDS @ 610mm O.C
  - WITH 63mm MINERAL WOOL ACOUSTIC BATT INSULATION
- 16mm – GWB [TYPE X]

NOTE: IF ALTERNATE PRICE 03 IS EXCLUDED FROM PROJECT AT WALL LOCATIONS ABOVE THE CEILING LEVEL, RELOCATE BOTH LAYERS OF 16MM GWB TO ONE SIDE OF FRAMING TO MINIMIZE DISTURBANCE TO EXISTING CEILING. USE GALVANIZED STEEL INSULATION SUPPORT STRAPS (SPACES @ 600mm O.C.) ON OTHER SIDE OF FRAMING TO RETAIN BATTS BTWN STUDS



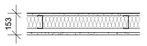
P2a **GWB METAL STUD PARTITION - OVERALL THICKNESS 124mm**

- 16mm – GWB [TYPE X]
- 92mm – 92mm THK METAL STUDS @ 610mm O.C
- 16mm – GWB [TYPE X]



P2b **GWB METAL STUD ACOUSTIC PARTITION - OVERALL THICKNESS 124mm [STC 50]**

- 16mm – GWB [TYPE X]
- 92mm – 92mm THK METAL STUDS @ 406mm O.C.
  - WITH 89mm MINERAL WOOL ACOUSTIC BATT INSULATION
- 16mm – GWB [TYPE X]



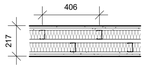
P2c **GWB METAL STUD ACOUSTIC PARTITION - OVERALL THICKNESS 153mm [STC 50]**

- 16mm – GWB [TYPE X]
- 92mm – 92mm THK METAL STUDS @ 406mm O.C.
  - WITH 89mm MINERAL WOOL ACOUSTIC BATT INSULATION
- 29mm – HAT CHANNEL ON RESILIENT SOUND ISOLATION CLIPS
- 16mm – GWB [TYPE X]



P3 **GWB METAL STUD ACOUSTIC PARTITION - OVERALL THICKNESS 185mm [STC 60/ MIN. 1HR FRR]**
CAN/ULC-S101 LISTED WALL ASSEMBLY - ULC DESIGN W453

- 32mm – (2) 16mm GWB [TYPE X]
- 92mm – 92mm THK METAL STUDS @ 406mm O.C
  - WITH 89mm MINERAL WOOL ACOUSTIC BATT INSULATION
- 29mm – HAT CHANNEL ON RESILIENT SOUND ISOLATION CLIPS
- 32mm – (2) 16mm GWB [TYPE X]



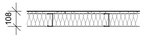
P4 **GWB METAL STUD ACOUSTIC PARTITION - OVERALL THICKNESS 216MM [STC 64/ MIN. 1HR FRR]**
CAN/ULC-S101 LISTED WALL ASSEMBLY - ULC DESIGN U493

- 32mm – (2) 16mm GWB [TYPE X]
- 64mm METAL STUDS @ 406mm O.C.
  - W/ 64mm MINERAL WOOL ACOUSTIC BATT INSULATION
- 25mm AIR SPACE
- 64mm METAL STUDS @ 406mm O.C.
  - W/ 64mm MINERAL WOOL ACOUSTIC BATT INSULATION
- 32mm – (2) 16mm GWB [TYPE X]



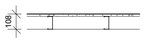
P5a **GWB METAL STUD ONE SIDED PARTITION – OVERALL THICKNESS 108MM**

- 16mm – GWB [TYPE X]
- 92mm METAL STUDS @ 400mm O.C.
  - W/ 19mm FIRE-RATED PLYWOOD BLOCKING AT HEIGHT OF WHITEBOARDS (3'0" - 7'0" A.F.F) IN CLASSROOM SPACES



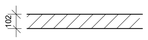
P5b **GWB METAL STUD ONE SIDED PARTITION – OVERALL THICKNESS 108MM**

- 16mm – GWB [TYPE X]
- 92mm METAL STUDS @ 400mm O.C.
  - W/ 89MM MINERAL WOOL ACOUSTIC BATT INSULATION



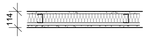
P5c **GWB METAL STUD ONE SIDED PARTITION | RETURN AIR PLENUM WALL – OVERALL THICKNESS 108MM**

- 16mm GWB [TYPE X]*
- 92mm METAL STUDS @ 400mm O.C.
  - * TAPE AND SEAL JOINTS FOR AIR-TIGHTNESS



P6 **BRICK WALL - OVERALL THICKNESS 102mm**

- 102mm – SALVAGED BRICK
  - KEY INTO EXISTING BRICK, COLOUR-MATCH MORTAR TO EXIST.



P7 **GWB METAL STUD ACOUSTIC INFILL PANEL - OVERALL THICKNESS 114mm [STC 50]**

- 16mm – GWB [TYPE X]
- 63.5mm – 63.5MM THK METAL STUDS @ 406mm O.C
  - WITH 63.5mm MINERAL WOOL ACOUSTIC BATT INSULATION
- 18mm – RESILIENT METAL CHANNELS @ 610mm O.C.
- 16mm – GWB [TYPE X]



P8a **GWB METAL STUD FURRING WALL – OVERALL THICKNESS 54MM**

- 16mm – GWB [TYPE X]
- 38mm – METAL FURRING CHANNELS AT 400 O.C.
  - W/ 19mm PLYWOOD BLOCKING AT HEIGHT OF WHITEBOARDS (3'0" - 7'0" A.F.F.)



P8b **GWB METAL STUD FURRING WALL – OVERALL THICKNESS 45MM**

- 16mm – GWB [TYPE X]
- 29mm - HAT CHANNEL ON RESILIENT SOUND ISOLATION CLIPS

* REMOVE ONE SIDE OF EXISTING GWB ASSEMBLY AND FILL STUD CAVITY W/ 89MM MINERAL WOOL ACOUSTIC BATT INSULATION



P9 **WOOD VENEER PANEL (FSR 25) - OVERALL THICKNESS 25mm**

- 19mm – FIRE RATED MDF (CLASS A, FSR 25) W/ ALDER VENEER AND 3MM SOLID WD EDGEBANDING
- 6mm – LOCKING ALUMINUM FRENCH CLEATS
- PROVIDE 19MM FINISH-GRADE PLYWOOD BLOCKING BEHIND ALL FRENCH CLEATS

GLAZING ASSEMBLIES:

*ALL GLAZED WALL ASSEMBLIES TO EXTEND FROM T/O FIN FLOOR TO U/S CEILING. U.N.O. ASSUME P2b WALL ASSEMBLY TO EXTEND FROM T/O GLAZED WALL ASSEMBLY TO U/S STEEL DECK U.N.O.

G1 **INTERIOR ACOUSTIC ARCHITECTURAL GLAZED WALL SYSTEM**

- DOUBLE GLAZED 12MM TEMPERED GLASS
- PREFINISHED ALUMINUM FRAMING

G2 **INTERIOR 1HR FIRE RATED GLAZING ASSEMBLY**
*ASSEMBLY TESTED IN ACCORDANCE W/ UL 263, FILE NUMBER R38725. PILIKINGTON FIRESTOP 60-101 OR EQ.

- SINGLE GLAZED 23MM FIRE-RATED GLASS
- PREFINISHED FIRE-RATED ALUMINUM FRAMING

G3 **INTERIOR ACOUSTIC HOLLOW METAL GLAZED WALL SYSTEM**

- DOUBLE GLAZED 12mm TEMPERED GLASS
- POWDER COATED 1 1/2" THK HOLLOW METAL FRAME

G3A **INTERIOR 45 MIN. FIRE RATED ACOUSTIC HOLLOW METAL GLAZED WALL SYSTEM**

- DOUBLE GLAZED 12mm TEMPERED, FIRE-RATED GLAZING GLASS
- POWDER COATED 1 1/2" THK HOLLOW METAL FRAME

G4 **EXIST. GEORGIAN WIRE GLAZING IN HOLLOW METAL FRAME**

- EXIST. GEORGIAN WIRE GLAZING IN HOLLOW METAL FRAME W/ FROSTED PRIVACY FILM APPLIED FROM INSIDE OF STUDIO

CEILING ASSEMBLIES

C-1A **ACOUSTIC CEILING TILE – SQUARE LAY-IN PROFILE**

- PREFINISHED METAL T-BAR SUSPENSION SYSTEM
- 16mm – 610mmX1220mm , 305mm X1220mm ACOUSTIC CEILING TILE

C-1B **ACOUSTIC CEILING TILE – SQUARE LAY-IN PROFILE**

- PREFINISHED METAL T-BAR SUSPENSION SYSTEM
- 16mm – 610mmX1220mm ACOUSTIC CEILING TILE

C-2 **ACOUSTIC CEILING TILE – HIDDEN FRAME PROFILE**

- PREFINISHED METAL T-BAR SUSPENSION SYSTEM
- 22mm – 610mm X 1829mm ACOUSTIC CEILING TILE - ARMSTRONG LYRA VECTOR OR EQ.

C-3 **ACOUSTIC CEILING TILE – REVEAL FRAME PROFILE**

- PREFINISHED METAL T-BAR SUSPENSION SYSTEM, 9/16" SILHOUETTE GRID W/ 1/4" REVEAL
- 22mm – 610mm X 1067mm ACOUSTIC CEILING TILE - ARMSTRONG OPTIMA SQUARE TEGULAR OR EQ.
  1. W/ 102mm ARMSTRONG TECHZONE OR EQ.

C-4 **PREMANUFACTURED WOOD SLAT CEILING PANEL**

- PREFINISHED HEAVY DUTY METAL T-BAR SUSPENSION SYSTEM,
- OPAQUE ACOUSTIC FABRIC
- 19mm – WOOD BACKER BOARD
- 83mm – 19x83mm SOLID HEMLOCK SLAT, SPACED 4" O.C. (CLASS A, FSR 25)

C-4A **PREMANUFACTURED WOOD SLAT CEILING PANEL W/ GWB SUBSTRATE**

- PREFINISHED HEAVY DUTY METAL T-BAR SUSPENSION SYSTEM
- 12mm – GWB (PAINTED TO MATCH BACKER SLAT COLOUR)
- 19mm – WOOD BACKER BOARD
- 83mm – 19x83mm SOLID HEMLOCK SLAT, SPACED 4" O.C. (CLASS A, FSR 25)

C-5 **GYPSUM BOARD CEILING**

- 64mm – METAL CARRYING CHANNELS SUSPENDED FROM ABV. @ 400 o.c.
- 22mm – FURRING CHANNELS @ 600 o.c.
- 12mm – GWB

C-6 **GYPSUM BOARD RADIUSSED BULKHEAD**

- 92mm – HORIZONTAL STEEL STUDS @ 400 o.c. SUPPORTED BY CURVED METAL CARRYING CHANNELS @ 1200 O.C
- 6mm – FLEXIBLE GWB
- 6mm – FLEXIBLE GWB

C-7A **SLOPED WOOD VENEER CEILING PANEL W/ GWB SUBSTRATE**

- 64mm – METAL CARRYING CHANNELS @ 400 o.c.
- 22mm – FURRING CHANNELS @ 600 o.c.
- 12mm – GWB
- LIGHT GUAGE STEEL FRAMING AS REQUIRED W/ SOLID PLYWOOD BLOCKING AT CLEAT LOCATIONS
- 18.4mm – LOCKING ALUMINUM FRENCH CLEATS
- 19mm – FIRE RATED MDF (CLASS A, FSR 25) W/ ALDER VENEER AND 3MM SOLID WD EDGEBANDING

C-7B **WOOD VENEER CEILING PANEL W/ GWB SUBSTRATE**

- 64mm – METAL CARRYING CHANNELS @ 400 o.c.
- 22mm – FURRING CHANNELS @ 600 o.c.
- 12mm – GWB/12mm FIRE-RATED PLYWOOD BLOCKING AT CLEAT LOCATIONS
- 18.4mm – LOCKING ALUMINUM FRENCH CLEATS
- 19mm – FIRE RATED MDF (CLASS A, FSR 25) W/ ALDER VENEER AND 3MM SOLID WD EDGEBANDING

FLOOR ASSEMBLIES

F-1 **1HR FIRE RATED FLOOR ASSEMBLY**
CAN/ULS-101 LISTED FLOOR ASSEMBLY - ULC DESIGN F916

- 2.5mm - SHEET LAMINATE FLOORING ON ADHESIVE
- 6mm - LEVELING COMPOUND
- 89mm CONCRETE SLAB ON 38mm COMPOSITE STEEL DECK. REFER TO STRUCT.
- STEEL BEAM STRUCTURE, REFER TO STRUCT.
- 1HR CEMENTITIOUS FIREPROOFING SPRAY TO MATCH EXISTING FRR OF ADJACENT FIREPROOFING SPRAY (1HR ASSUMED)

BASE TYPES

B1 **4" VINYL BASE**

- 4" VINYL BASE
- COVED

B2 **4" TOELESS VINYL BASE**

- 4" VINYL BASE
- TOELESS

B3 **4" VINYL FLOORING UPTURN COVE**

- RESILIENT FLOORING TO WRAP UP 4" UP WALL W/ PVC COVE FORMER
- ALUM CAPPING STRIP TO MATCH EXISTING CORRIDOR

ALTERNATIVE PRICE LEGEND:

- ALTERNATIVE PRICE NO.1 = SCOPE 2 - UNDERGRADUATE STUDIO, SCOPE 3 - FACULTY & STUDENT LOUNGE
- ALTERNATIVE PRICE NO.2 = SCOPE 4 - PHD STUDIO
- ALTERNATIVE PRICE NO.3 = CORRIDOR UPGRADES 3RD FLOOR
- ALTERNATIVE PRICE NO.4 = CORRIDOR UPGRADES 4TH FLOOR

GENERAL WALL NOTES:

1. ALL WALLS TO EXTEND TO U/S OF STRUCTURE/ METAL DECK UNLESS OTHERWISE NOTED.
2. ASSEMBLIES IDENTIFIED AS "RATED" TO ULC DESIGNS NOTED. WHERE FRR IS SPECIFIED, MAKE GOOD ALL EXISTING ASSEMBLIES REQUIRED TO PROVIDE FRR TO COMPLY WITH OBC REQUIREMENTS.
3. PROVIDE CONTINUOUS FIRESTOPPING FOR ALL FIRE RATED WALLS AT WALL/SLAB CONNECTION AND ALL PENETRATIONS. FIRE RATING TO EQUAL THAT OF WALL. REFER TO SPECIFICATIONS. REFER TO CODE PLAN FOR ADDITIONAL FIRE RESISTANCE RATING INFORMATION.
4. PROVIDE CONTINUOUS FIRESTOPPING/FIRE BLOCKING FOR ALL EXISTING FIRE RATED ASSEMBLIES DISTURBED IN DEMOLITION SCOPE. FIRE RATING TO EQUAL THAT OF WALL/FLOOR.
5. PROVIDE CONTINUOUS SMOKE SEAL AT WALL AND METAL DECK/CONC. SLAB CONNECTION AND ALL PENETRATIONS FOR ALL NON-RATED WALLS.
6. PROVIDE CONTROL JOINTS FOR WALLS CONSTRUCTED WITH GYPSUM WALL BOARD AND METAL STUDS. REFER TO SPECIFICATION.
7. STUD WALLS ARE TO RECEIVE DEFLECTION TRACK AT TOP OF SYSTEM.
8. PROVIDE ACOUSTIC SEALANT AT ALL PERIMETERS OF GYPSUM WALL BOARD WALL ADJACENT TO ALL FLOORS, WALLS, CEILINGS, AND /OR STRUCTURE AT EACH SIDE OF METAL STUDS.
9. PROVIDE BLOCKING FOR ALL WALL MOUNTED ACCESSORIES, FIXTURES, AND/OR EQUIPMENT.
10. INSTALL WALL BASE AS SPECIFIED TO ALL NEW WALLS UNLESS OTHERWISE NOTED.

DRAWING LEGEND

- HATCH DENOTES AREA NOT IN ARCHITECTURAL SCOPE OF WORK - TYP.
- EXISTING WALL(S) TO REMAIN.
- EXISTING WALL(S) TO BE DEMOLISHED.
- NEW WALL - REFER TO WALL ASSEMBLY LEGEND FOR DETAILS.
- W-1
- 1 — NOTE SYMBOL
- FHC — FIRE HOSE CABINET C/W FIRE EXTINGUISHER.
- HOARDING (TEMPORARY)
- 0000 — DOOR NUMBER
- 0000 — ROOM NUMBER



EXISTING DOOR(S) TO BE DEMOLISHED.

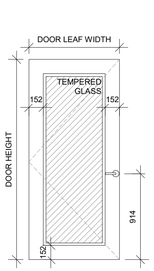
NEW/EXISTING DOOR TO REMAIN.

GENERAL DOOR NOTES

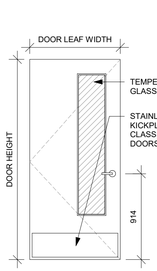
1. VERIFY ALL EXISTING OPENING DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATION
2. REFER TO FLOORPLANS FOR DOOR LOCATIONS, SWINGS, AND NUMBERS. REFER TO ELEVATIONS FOR TRANSOMS, SIDELIGHTS, ETC.
3. ALL NEW DOORS, FRAMES, GLAZING, AND HARDWARE SHALL BE SUPPLIED AS COMPLETE ASSEMBLIES PRIOR TO INSTALLATION
4. EXISTING DOORS, FRAMES, AND HARDWARE IDENTIFIED TO REMAIN SHALL BE CLEANED, ADJUSTED, AND LEFT IN GOOD WORKING ORDER.
5. PATCH AND REPAIR ADJACENT WALLS, CEILINGS, FLOORING, AND FINISHES DISTURBED BY DOOR AND FRAME PLACEMENT
6. ALL FIRE-RATED DOORS, FRAMES, GLAZING, AND HARDWARE SHALL BE ULC-LISTED AND INSTALLED IN ACCORDANCE WITH THEIR TESTED ASSEMBLIES.
7. PROVIDE SAFETY GLAZING WHERE REQUIRED BY THE ONTARIO BUILDING CODE.
8. ALL BARRIER-FREE DOORS SHALL COMPLY WITH APPLICABLE ACCESSIBILITY REQUIREMENTS INCLUDING CLEAR OPENING WIDTHS, OPERATING FORCES, MOUNTING HEIGHTS, AND HARDWARE REQUIREMENTS.
9. PROVIDE ACOUSTIC SEALS, GASKETS, AND AUTOMATIC DOOR BOTTOMS AT OPENINGS REQUIRING ACOUSTIC PERFORMANCE.
10. PROVIDE ELECTRIFIED HARDWARE, CARD ACCESS, DOOR CONTACTS, REQUEST-TO-EXIT DEVICES, AND POWER SUPPLIES AS REQUIRED TO ACHIEVE THE INTENDED SECURITY FUNCTION.
11. REVIEW AND REPORT DISCREPANCIES BETWEEN DOOR SCHEDULES, PLANS, EXISTING CONDITIONS, CONSULTANT DRAWINGS, AND HARDWARE REQUIREMENTS PRIOR TO PROCUREMENT.
12. KEYING, CYLINDER TYPES, AND ACCESS CONTROL REQUIREMENTS SHALL BE COORDINATED WITH THE UNIVERSITY'S CURRENT CAMPUS STANDARDS.
13. PROVIDE NEW PAINT ON EXISTING DOORS, FRAMES, AND ASSOCIATED SOLID TRANSOM PANELS IDENTIFIED IN SCHEDULE BELOW.

DOOR SCHEDULE

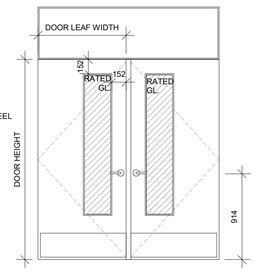
Door Mark	Door Type	Door Height	Door Leaf Width	Door Material	Door Finish	Frame Type / Elev	Fire Rated	ADO	Acoustic Rating (STC)	Notes
T.O. FF 3RD FLOOR										
D3603A	D3	2973	965	ALUM/GLASS		ALUM.	NO		39	
D3603B	D3	2973	965	ALUM/GLASS		ALUM.	NO		39	
D3603D	EXIST.	2134	850	EXIST.	PT	EXIST.	NO			EXIST. EXTERIOR CURTAIN-WALL DOOR TO BE RE-PREPPED TO ACCEPT NEW HARDWARE
D3603E	D1a	2693	915	INSULATED HM	PT	HM	NO		45	FIXED BLACKENED STEEL PANEL TRANSOM IN CONT. HM FRAME ABOVE DOOR, COMBINED FRAME HEIGHT 3032mm
D3679	EXIST.	2134	915	EXIST.	PT	EXIST.	EXIST	YES		EXIST. DOOR W/ FIXED TRANSOM PANEL.
D3681A	D2	2134	965	INSULATED HM	PT	HM	45 min	YES	45	FIXED RATED TRANSOM IN CONT. HM FRAME ABOVE DOOR, COMBINED FRAME HEIGHT 2743mm
D3681B	D2	2134	965	INSULATED HM	PT	HM	45 min		45	FIXED RATED TRANSOM IN CONT. HM FRAME ABOVE DOOR, COMBINED FRAME HEIGHT 2743mm
D3682	D1b	2134	965	INSULATED HM	PT	HM	45 min		45	FIXED RATED TRANSOM IN CONT. HM FRAME ABOVE DOOR, COMBINED FRAME HEIGHT 2743mm
T.O FF 4TH FLOOR										
D3708	EXIST.	2134	915				-			
D4301A	D1b	2134	915	EXIST.		EXIST.	NO			
D4301B	D1b	2134	915	EXIST.		EXIST.	NO			
D4310	EXIST.	2134	915	EXIST.	PT	EXIST.	NO			EXIST. DOOR W/ FIXED TRANSOM AND SIDELIGHT.
D4312	EXIST.	2134	915	EXIST.	PT	EXIST.	NO			EXIST. DOOR W/ FIXED TRANSOM AND SIDELIGHT.
D4320A	D3	2693	965	GLASS		ALUM.	NO		39	
D4320B	EXIST.	2134	915	EXIST.	PT	EXIST.	NO			EXIST. DOOR W/ FIXED TRANSOM AND SIDELIGHT.
D4322A	D4	2693	1105	GLASS		ALUM.	NO		39	
D4322B	D3	2693	965	GLASS		ALUM.	NO		39	EXIST. DOOR W/ TRANSOM ABOVE DOOR AND FRAME IN NEW LOCATION
D4324	D1b	2134	915	EXIST.	PT	EXIST.	NO			EXIST. DOOR W/ FIXED TRANSOM AND SIDELIGHT.
D4326	EXIST.	2134	915	EXIST.	PT	EXIST.	NO			EXIST. DOOR W/ FIXED TRANSOM AND SIDELIGHT.
D4328	EXIST.	2134	915	EXIST.	PT	EXIST.	NO			EXIST. DOOR W/ FIXED TRANSOM AND SIDELIGHT.
D4330.1	D1b	2693	965	INSULATED HM	PT	HM	NO		35	
D4330.2	D1a	2693	965	INSULATED HM	PT	HM	NO		35	NEW DOOR W/ SIDELIGHTS, COMBINED FRAME WIDTH +/- 1630mm
D4330.3	D3	2693	965	GLASS		ALUM.	NO		39	
D4330A	D3	2693	915	GLASS		ALUM.	NO		39	ALUM. FRAME W/ SIDELIGHT, COMBINED FRAME WIDTH +/- 1170mm
D4330B	D3	2693	915	GLASS		ALUM.	NO		39	ALUM. FRAME W/ SIDELIGHT, COMBINED FRAME WIDTH +/- 1170mm
D4330C	D3	2693	915	GLASS		ALUM.	NO		39	ALUM. FRAME W/ SIDELIGHT, COMBINED FRAME WIDTH +/- 1170mm
D4332A	D4	2693	1105	GLASS		ALUM.	NO		39	
D4332B	D3	2693	965	GLASS		ALUM.	NO		39	ALUM. FRAME W/ SIDELIGHT, COMBINED FRAME WIDTH 1890mm
D4333A	EXIST.	2134	915	EXIST.	PT	EXIST.	NO		40	EXIST. DOOR W/ FIXED TRANSOM.
D4333B	D1a	2134	965	GLASS	PT	HM	NO		45	FIXED TRANSOM IN CONT. HM FRAME ABOVE DOOR, COMBINED FRAME HEIGHT 2743mm
D4334A	D4	2693	1105	GLASS		ALUM.	NO		39	
D4334B	D3	2693	965	GLASS		ALUM.	NO		39	ALUM. FRAME W/ SIDELIGHT, COMBINED FRAME WIDTH 2360mm
D4335A	D3	2693	965	GLASS		ALUM.	NO		39	
D4335B	D3	2693	965	GLASS		ALUM.	NO		39	
D4335C	D3	2693	965	GLASS		ALUM.	NO		39	ALUM. FRAME W/ SIDELIGHT, COMBINED FRAME WIDTH 2110mm
D4367A	D1a	2134	965	GLASS	PT	HM	NO		35	HM FRAME W/ SIDELIGHT, COMBINED FRAME WIDTH 1970mm
D4367B	EXIST.	2305	850	EXIST.	PT	EXIST.	NO			EXIST. EXTERIOR CURTAIN-WALL DOOR TO BE RE-PREPPED TO ACCEPT NEW HARDWARE



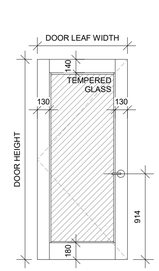
D1a - SINGLE SWING GLAZED HM DOOR IN HM FRAME



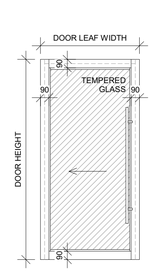
D1b - SINGLE SWING HM DOOR W/ VISION GLASS IN HM FRAME



D2 - DOUBLE SWING HM DOOR W/ VISION GLASS IN HM FRAME W/ TRANSOM



D3 - ALUMINUM SWING DOOR



D4 - ALUMINUM SLIDING DOOR

1 / A001 Door Types
Scale: 1 : 30

UNIVERSITY OF WATERLOO

KEYPLAN

No.	ISSUANCE	DATE
1	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026.07.17
2	ISSUED FOR BUILDING PERMIT R1	2026.09.17
3	ISSUED FOR 90% CD	2026.09.29
4	ISSUED FOR TENDER	2026.11.05

CLIENT
UNIVERSITY OF WATERLOO
200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT
CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH
200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE
ASSEMBLIES & DOOR SCHEDULE

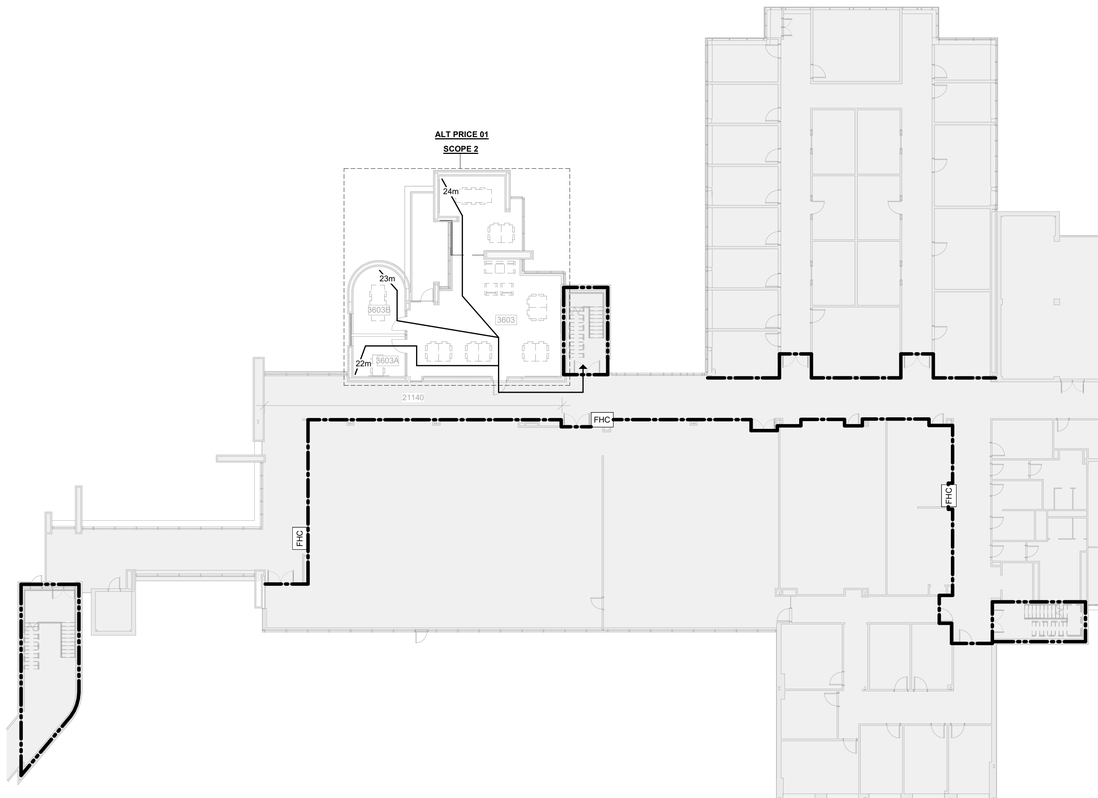
architects
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10229

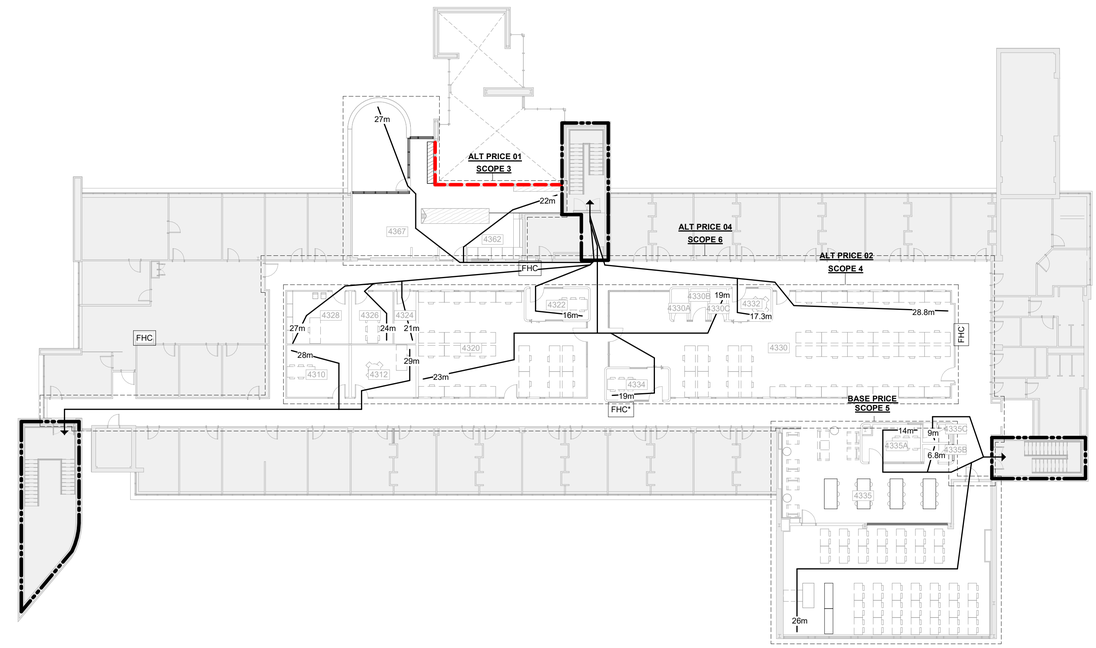
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SHEET NO :
A001



2 3RD FLOOR PLAN - LIFE SAFETY
A002 Scale: 1 : 200



1 4TH FLOOR PLAN - LIFE SAFETY
A002 Scale: 1 : 200

LEGEND

- EXIST. 1 HOUR FIRE SEPERATION
- EXIST. 2 HOUR FIRE SEPERATION
- PROPOSED 1 HOUR FIRE SEPERATION
- ##m — EGRESS PATH / TRAVEL DISTANCE
- FHC — EXIST. FIRE HOSE CABINET
- FHC* — PROPOSED FIRE HOSE CABINET

Name of Practice:
Baird Sampson Neuert Architects
317 Adelaide Street West, Suite 1002
Toronto, ON, Canada, M5V 1P9

Name of Project:
University of Waterloo – Carl Pollock Hall 3rd and 4th Floor Renovation

Location:
200 University Ave W, Waterloo, ON N2L 3E9

Date:
July 21, 2026.

2024 Ontario Building Code Data Matrix
Part 11 – Renovation

			Building Code Reference [1]
11.00	Building Code Version:	O. Reg. 163/24 Last Amendment O. Reg. 119/26	
11.01	Project Type:	☐ Addition ☒ Renovation ☐ Addition and renovation ☐ Change of use Description: Interior architectural, plumbing, and HVAC renovation in existing post-secondary educational building comprising primarily of Group A Division 2 spaces (classrooms & seminar rooms), with accessory Group D business and personal services uses (PhD offices, studio space), with ancillary support spaces (lounges).	(A) 1.3.3.3B.
11.02	Major Occupancy Classification:	Occupancy: A2 – Subsidiary: D Use: Post-Secondary Education Building, College	3.1.2.1.(1), 2.1.4.1.(3), and 11.2.1.
11.03	Superimposed Major Occupancies:	☒ No ☐ Yes Description: n/a	11.2, 3.2.2.5. to 3.2.2.8., and 2.2.1.
11.04	Building Area (m^2) *Insert additional lines as needed*	Description: NO CHANGE Existing 4500m2 New 0 Total 4500m2 0 0 0 0 0 0 0 0 0 Total 4500m2 0 4500m2	(A) 1.4.1.2, 11.2, and 11.3
11.05	Building Height	4 Storeys above grade 16.75 (m) Above grade 0 Storeys below grade	(A) 1.4.1.2, 3.2.1.1., 2.2.2., and 11.3.
11.06	Number of Streets/ Firefighter Access	REMAIN AS IS street(s)	3.2.2.10., 3.2.5., 2.2.4.1., and 11.3.
11.07	Building Size	☐ Small ☐ Medium ☒ Large ☐ > Large	11.2.1.1., and T.11.2.1.B.N.
11.08	Existing Building Classification:	Change in Major Occupancy: ☐ Yes ☒ Not Applicable (no change of major occupancy) Construction Index: 6 (Exist Bldg closest to 3.2.2.24) Hazard Index: 6 Importance Category : ☐ Low ☒ Normal ☐ High ☐ Post-disaster	10.1.1.2., 11.2.1.1., T.11.2.1.1.A, T.11.2.1.1.B to N, 4.1.2.1.(3), 2.3.1., and 5.2.1.(2)
11.09	Renovation Type:	☐ Basic Renovation ☒ Extensive Renovation	11.3.3.1., and 11.3.3.2.
11.10	Occupant Load	Third Floor Room/Area: Occupant Load (Exist): Occupant Load (Proposed): Classroom (Rm 3681): 63 (117sm / 1.85sm/pp): 137 (Designed) Classroom (Rm 3679): 69 (127.95sm / 1.85sm/pp): 33 (Designed) Design Studio (Rms 3603, 3606, 3606A): 81 (149sm / 1.85sm/pp): 81 (149sm/ 1.85sm/pp) Arch Eng Studio/Classroom (Rm 3604): 169 (312.5sm/ 1.85sm/pp): 131 (Designed*) Arch Eng Classroom (Rm 3604) : 99 (182sm / 1.85sm/pp): 99 (182sm/ 1.65sm/pp) Other rooms on floor – exist to remain:	3.1.17., 2.1.2.2., and 11.4.2.2.
		Total: 481 people: 481 people No net increase of Occupant Load on 3rd floor. * Maximum OL signage to be posted Fourth Floor Room / Area: Occupant Load (Exist): Occupant Load (Proposed): Faculty & Student Lounge (Rms 4367, 4369, 4316C, Balcony, 4362): 49 (90sm/1.85sm/pp + 10sm / 0.95sm/pp + 23.5sm/ 1.85sm/pp + 23.5sm/ 1.85sm/pp + 6.8sm/9.3sm/pp): 47 (61.2sm/1.85sm/pp + 23.6sm/ 1.85sm/pp + 8.7sm/9.3sm/pp) PhD Studio (Offices): 48 (24 offices w/ avrg sm/p person OL of 2 people per office): 53 (2 open studio spaces, designed load based on desk count, 1 staff office) PhD Studio (Meeting Rooms): 22 (3 meeting rooms w average loading of 6 people per mtg room, 1 w/ 4 people): 34 (5 meeting rooms w designed loading of 6 per room, 1 meeting room with designed loading of 4 per mtg rom, 3 study rooms with 1 person occupancy – only for use by PhD students) Mid Size Classroom (Rm 4333): 64 (119sm / 1.85sm/pp): 75 (Designed) Mid Size Classroom (Rm 4335): 45 (84sm/ 1.85sm/pp): 0 (Removed) Lounge (Lounge, Mtg Rm, Study Booth) (Rm 4335): 0 (Not existent): 41 (33 people designed, 6 people designed, 1 person per booth designed) Other rooms on floor – exist to remain: 44: 44 **Total**: 272 people: 294 people Net Occupant load increase of 22 people (8%) on 4th floor.	

11.11 a	Plumbing Fixture Requirements	Ratio: OL Ratio = 50:50 Male/Female. Plumbing Fixture Requirement Ratio: 1 Fixture per 100 males, 1 fixture per 75 females per OBC 3.7.4.3.(15) Floor Level/Area: • 3rd Floor	No net increase in Occupant Load ○ Conclusion: No new WC's Required • 4th Floor | Net OL increase of 66 on the floor, brining total to 288 people. ○ 284 people = 147 men, 147 women per floor ○ WC requirements (per OBC 3.7.4.3.(15)) = 2 fixtures for men, 2 fixtures for women ○ Existing WC count: 7 fixtures for men, 2 fixtures for women. ○ Conclusion: No new WC's Required	3.7.4., 11.3.4., 11.3.5., 11.4.2.4., and 11.4.2.5.
11.12	Barrier-free Design: Barrier-free Entrances:	☒ Yes ☐ No Barrier-free design has been provided within the renovation scope Number: No Change	11.3.1.2., 11.3.2., 11.3.3.2.
11.13	Reduction in Performance Level:	Structural: ☒ No ☐ Yes By increase in occupant load: ☐ No ☒ Yes By change of major occupancy: ☒ No ☐ Yes Plumbing: ☒ No ☐ Yes Sewage systems: ☒ No ☐ Yes Extension of buildings of combustible construction: ☒ No ☐ Yes	11.4.2.1. 11.4.2.2. 11.4.2.3. 11.4.2.4. 11.4.2.5. 11.4.2.6.
11.13	Reduction in Performance Level – Narrative:	3rd Floor: No increase in occupant load on the 3rd floor, hence no reduction in performance level. 4th Floor: Increase in occupant load proposed on 4th floor. Existing occupant load on the floor is 272 people, proposed occupant load on the 4th floor is 294 people, creating a net occupant load increase of 22 people or 8%. Existing access to exit widths and exit width has the capacity to accommodate an occupant load of 408 persons. Existing travel distance & number of exits are sufficient and remain unchanged. Remaining portion of Table 11.4.3.3. Early Warning/Evacuation will comply with requirements of 11.4.3.3 in the project scope area.	

11.14	Compensating Construction:	☐ No ☒ Yes Structural: ☒ No ☐ Yes Increase in occupant load: ☐ No ☒ Yes Increase in occupant load by 8% on the 4th floor. Early Warning/Evacuation will comply with requirements of 11.4.3.3 in the project scope area. Change of major occupancy: ☒ No ☐ Yes Plumbing: ☒ No ☐ Yes Sewage systems: ☒ No ☐ Yes Extension of buildings of combustible construction: ☒ No ☐ Yes	11.4.3.1. 11.4.3.2. 11.4.3.3. 11.4.3.4. 11.4.3.5. 11.4.3.6. 11.4.3.7.
11.15	Compliance Alternatives Proposed: *Insert additional lines as needed*	☐ No ☒ Yes A53 – Existing functionally operable panic hardware acceptable. (Existing functionally operable panic hardware will remain at 4th floor exit stair)	11.5.1.
11.16	Alternative Solutions *Insert additional lines as needed*	N/A	(A) 1.2.1.1., and 2.2.1.
11.17	Notes: *Insert additional lines as needed*	N/A	

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

Ontario Building Code Data Matrix, Part 11 May 2026
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UNIVERSITY OF WATERLOO

KEYPLAN

PROJECT SCOPE LEGEND

HATCH DENOTES AREA NOT IN ARCHITECTURAL SCOPE OF WORK, TYP.

WHITE & CROSS/ DIAGONAL HATCH DENOTES AREA IN ARCHITECTURAL SCOPE OF WORK, TYP.

No.	ISSUANCE	DATE
1	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026.07.17
2	ISSUED FOR 90% CD	2026.09.29
3	ISSUED FOR TENDER	2026.11.05

CLIENT
UNIVERSITY OF WATERLOO
200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT
CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH
200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE
OBC MATRIX & LIFE SAFETY PLAN

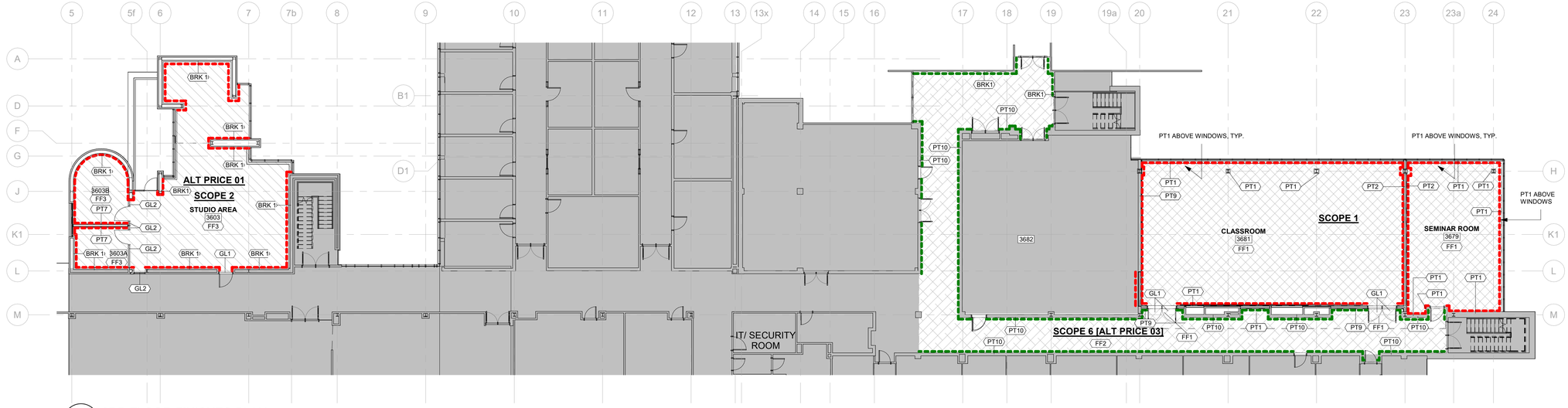
architects
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RUSLAN IVANYTSKYY
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10229

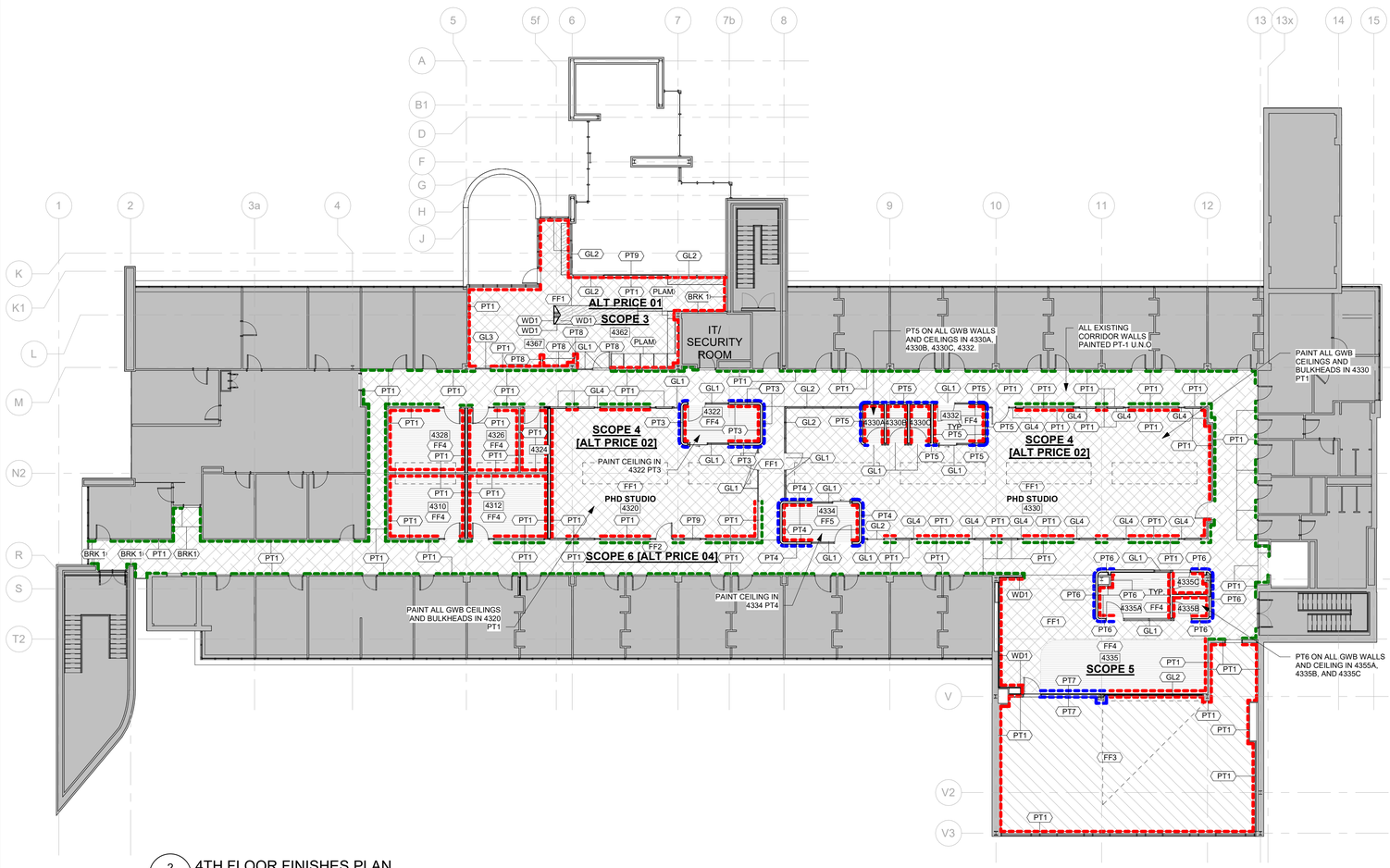
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PROJECT NO :	2024-0711-10
DRAWN BY :	Author
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SHEET NO :
A002



1 / A003 — 3RD FLOOR FINISHES PLAN
Scale: 1 : 150



2 / A003 — 4TH FLOOR FINISHES PLAN
Scale: 1 : 150

GENERAL NOTES FOR FINISH PLANS

1. REFER TO THIRD AND FOURTH FLOOR PLAN SHEETS FOR EXTENTS OF ALTERNATE PRICES AND INTERFACES BETWEEEN BASE SCOPE AND ALTERNATE PRICE SCOPE
2. PROVIDE ALUM. TRANSITION STRIP AT ALL FLOOR FINISH TRANSITIONS

FLOOR FINISHES

- **FF1** LINOLEUM SHEET FLOORING FINISH 01
- **FF2** LINOLEUM SHEET FLOORING FINISH 03
- **FF3** CARPET TILE FINISH 01
- **FF4** CARPET TILE FINISH 02

BASE WALL FINISHES

- **B1** 4" COVED VINYL BASE
- **B2** 4" TOELESS VINYL BASE
- **B3** 4" VINYL FLOORING UPTURN COVE

WALL FINISHES

PT1
PAINTED WHITE

PT2
PAINTED LILAC

PT3
PAINTED LIGHT PURPLE

PT4
PAINTED VIOLET

PT5
PAINTED BURGUNDY

PT-6
PAINTED PURPLE

PT-7
PAINTED RED

PT8
PAINTED TO MATCH KITCHEN PLAM COLOUR

PT9
PAINTED CHARCOAL GREY

PT10
PAINTED WHITE TO MATCH EXISTING WHITE ON CMU

BRK 1
EXISTING BRICK WALL

GL1
CLEAR GLAZING

GL2
CLEAR TO FROSTED GRADIENT GLAZING (REFER TO INTERIOR ELEVATIONS FOR LAYOUT)

GL3
SOLID FROSTED GLAZING

GL4
EXISTING GLAZING W/ FROSTED FILM

PLAM
PLAM WALL PANELING

WD-1
WD VENEER ON MDF WALL PANELING

UNIVERSITY OF WATERLOO

KEYPLAN

PROJECT SCOPE LEGEND

HATCH DENOTES AREA NOT IN ARCHITECTURAL SCOPE OF WORK, TYP.

WHITE & CROSS/ DIAGONAL HATCH DENOTES AREA IN ARCHITECTURAL SCOPE OF WORK, TYP.

No.	ISSUANCE	DATE
1	ISSUED FOR CLASS C COST ESTIMATE	2026.03.20
2	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026.07.17
3	ISSUED FOR 90% CD	2026.09.29
4	ISSUED FOR TENDER	2026.11.05

CLIENT
UNIVERSITY OF WATERLOO
200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT
CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH
200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE
FINISH PLANS

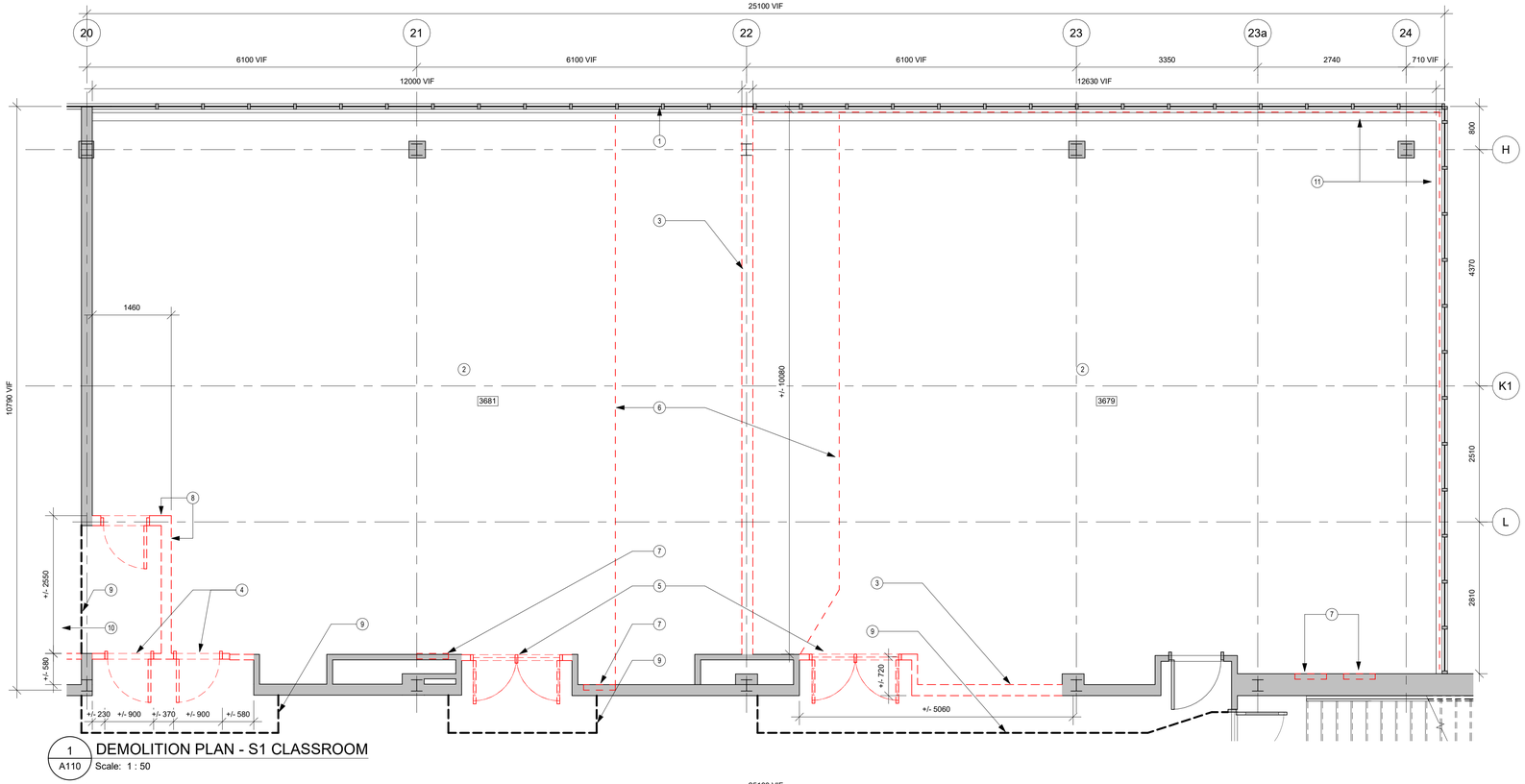
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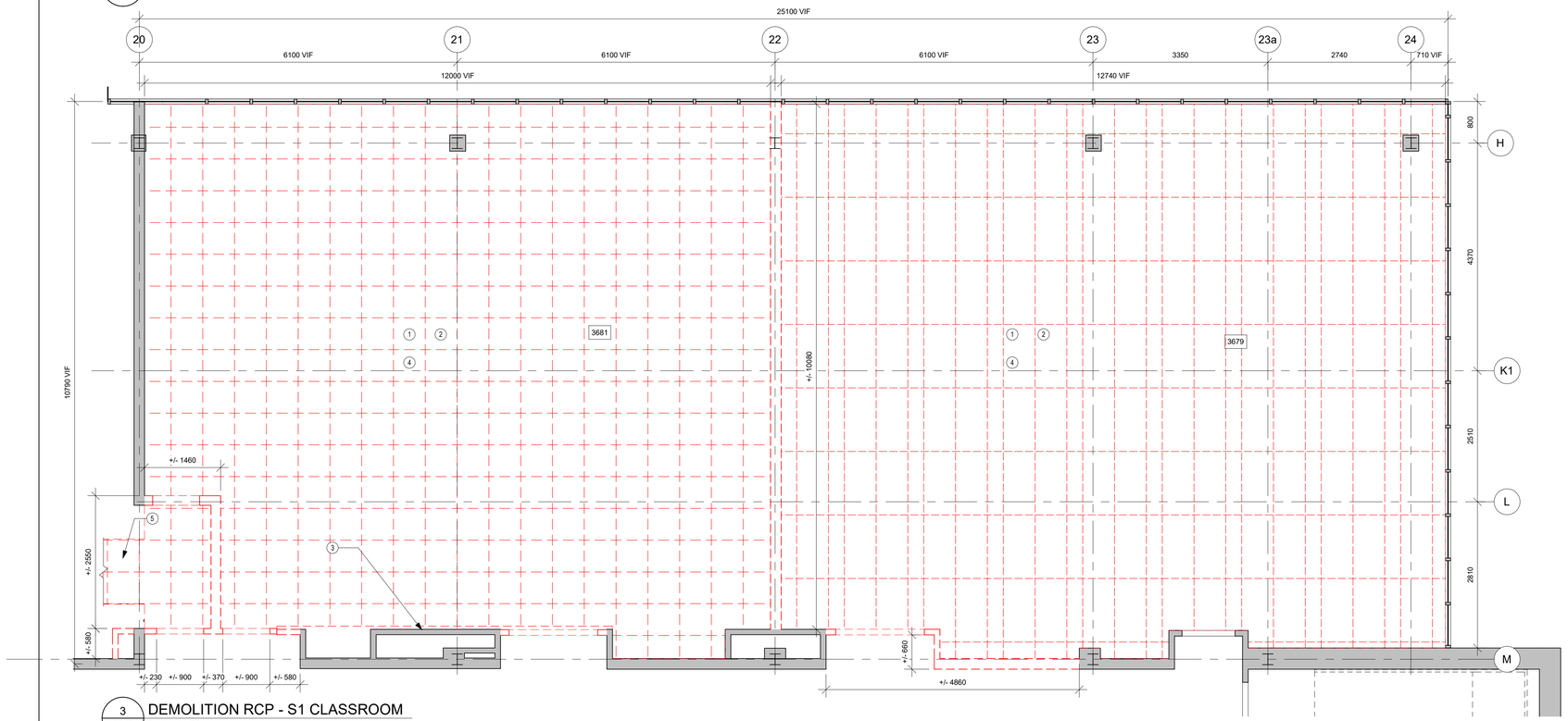
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SHEET NO :
A003



1 / A110 DEMOLITION PLAN - S1 CLASSROOM
Scale: 1 : 50



3 / A110 DEMOLITION RCP - S1 CLASSROOM
Scale: 1 : 50

DEMOLITION PLAN NOTES

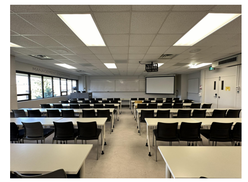
1. SALVAGE EXISTING WINDOW COVERINGS AND ANY SUPPORTING HARDWARE, IN RM 3681, FOR RE-INSTALLATION. CLIENT TO ASSESS CONDITION FOR POTENTIAL RE-USE. PATCH AND MAKE GOOD ANY CAVITIES.
2. REMOVE AND DISPOSE OF EXISTING FLOOR FINISHES INCLUDING ALL BASEBOARDS, ALL ADHESIVES, AND LEVELING COMPOUNDS. CLEAN AND PATCH REMAINING SUBSTRATE TO ACCEPT NEW FINISH.
3. REMOVE EXISTING CONCRETE BLOCK PARTITION TO U/S OF STRUCTURE. PATCH AND MAKE GOOD ALL EXISTING SURFACES TO REMAIN.
4. REMOVE AND DISPOSE EXISTING GWB PARTITION & EMBEDDED DOORS TO U/S OF STRUCTURE. PATCH AND MAKE GOOD ALL EXISTING SURFACES TO REMAIN.
5. REMOVE AND DISPOSE OF EXISTING HOLLOW METAL DOORS & FRAME.
6. REMOVE AND DISPOSE OF EXISTING STAGE.
7. REMOVE AND DISPOSE OF EXIST. PANELBOARD, REFER TO ELECTRICAL. INFILL EXISTING OPENING W/ BLOCK, MATCHING COURSING OF ADJACENT BLOCK WALL.
8. REMOVE AND DISPOSE OF EXISTING CONCRETE BLOCK PARTITION WITH DOORS. WALL REMOVAL WILL IMPACT ADJACENT LAB SPACE.
9. PROVIDE HOARDING ALONG DASHED LINE. ASSEMBLED FROM 89mm STEEL STUD FRAME W/ 13mm GWB ON BOTH SIDES.
10. CREATE NEW DOOR OPENING IN ADJACENT ROOM WITHIN EXISTING CONCRETE BLOCK PARTITION (REFER TO A200 FOR REQUIRED ADDITIONAL DEMOLITION WORK). WALL REMOVAL WILL IMPACT ADJACENT LAB SPACE. WILL REQUIRE ADDITIONAL CEILING REMOVALS.
11. DEMOLISH EXISTING WINDOW COVERING AND ANY SUPPORTING HARWARE. PATCH AND MAKE GOOD ALL IMPACTED CONNECTIONS.

GENERAL DEMOLITION NOTES

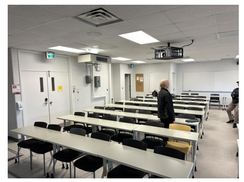
1. ALL DEMOLITION IS TO BE COORDINATED WITH REMOVAL OF HAZARDOUS MATERIALS AS PER THE OWNERS DESIGNATED SUBSTANCES REPORT AND TO BE COORDINATED W/ THE OWNER'S HAZARDOUS MATERIALS CONSULTANT
2. REMOVE EXISTING FIREPROOFING SPRAY AS NEEDED TO FACILITATE INSTALLATION OF PROPOSED CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: FRAMING ELEMENTS, BRACING, SUPPORT FOR SUSPENED CEILINGS, ELECTRICAL AND MECHANICAL EQUIPMENT, AV EQUIPMENT, ETC.
3. REMOVE SECTIONS OF THE CEILING ASSEMBLY AS REQUIRED FOR THE SCOPE OF WORK. PROVIDE REPLACEMENT CEILING TILES FOR ANY DAMAGED TILES, SALVAGE MATERIALS AS REQUIRED, AND REPAIR EXISTING CONSTRUCTION TO REMAIN.
4. SEPARATE PRICES AS DISTINGUISHED ON THE DRAWINGS AND BID FORM.

DEMOLITION RCP NOTES

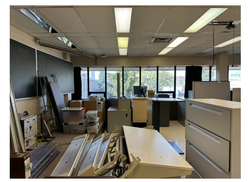
1. REMOVE AND DISPOSE OF EXISTING SUSPENDED ACOUSTIC CEILING ASSEMBLY C/W GRID.
2. REMOVE AND DISPOSE OF EXISTING MECHANICAL, ELECTRICAL AND LIFE SAFETY FIXTURES AS DESCRIBED IN MECHANICAL AND ELECTRICAL DRAWINGS.
3. REMOVE AND DISPOSE OF EXIST. ROOF FAN DISCONNECT SWITCH, REFER TO ELECTRICAL AND MECHANICAL
4. SALVAGE EXISTING WIRELESS ACCESS POINTS, AV EQUIPMENT AND CLOCKS, PRIOR TO CEILING DEMOLITION AND RETURN TO CLIENT.
5. DEMOLISH, DISPOSE OF AND REPLACE EXISTING SUSPENDED ACOUSTIC CEILINGS TILES TO FACILITATE REPLACEMENT OF EXISTING CHILLED WATER PIPING AS PART OF MECHANICAL SCOPE. REFER TO MECHANICAL AND OVERALL PLAN ON A200 FOR EXTENT OF CEILING REPLACEMENT.



VIEW FROM BACK OF CLASS TOWARDS STAGE IN RM 3681



VIEW FROM STAGE TOWARDS CORRIDOR WALL IN RM 3681



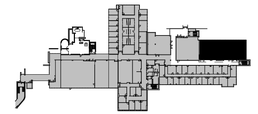
VIEW FROM ENTRANCE ALONG STAGE IN RM 3679



VIEW FROM ENTRANCE ALONG CORRIDOR WALL IN RM 3679

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KEYPLAN



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No.	ISSUANCE	DATE
1	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026.07.17
2	ISSUED FOR 90% CD	2026.09.29
3	ISSUED FOR TENDER	2026.11.05

CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 1 - LARGE CLASSROOM DEMOLITION PLAN & RCP

architects
Baird Sampson Neuert

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SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
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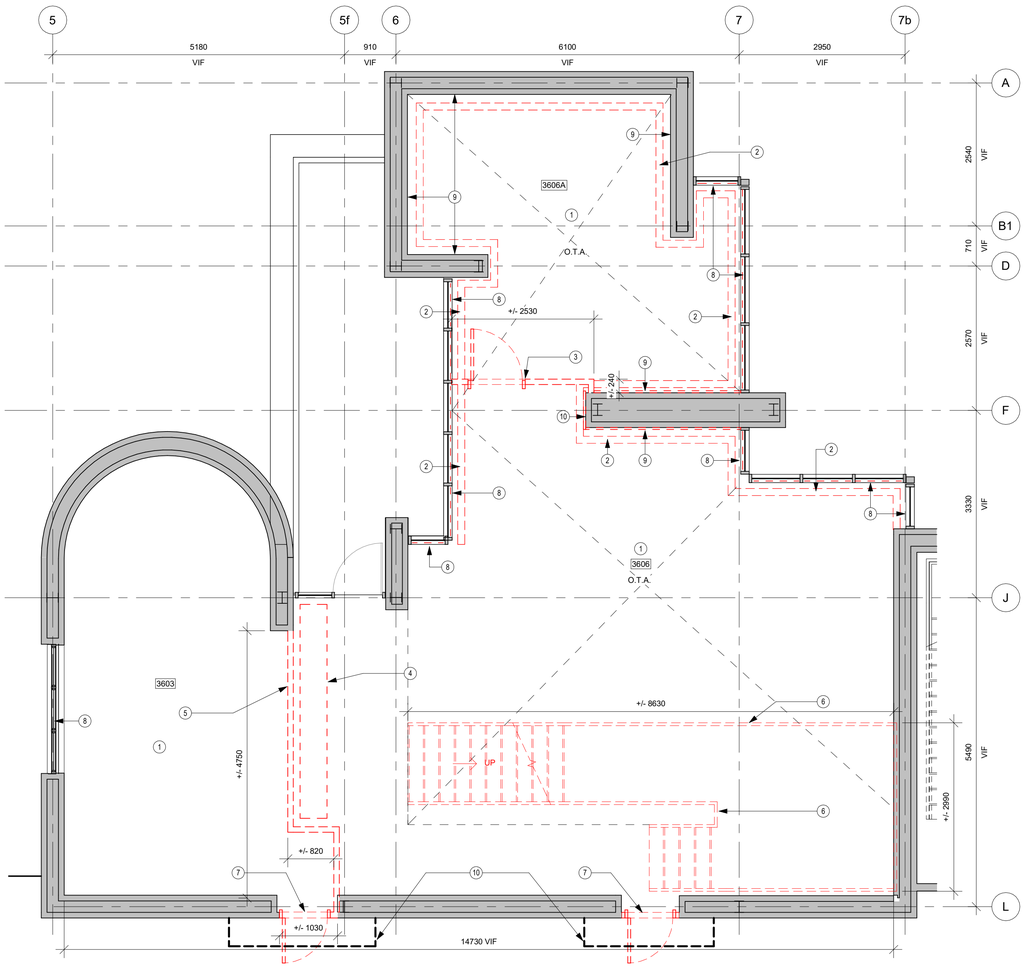
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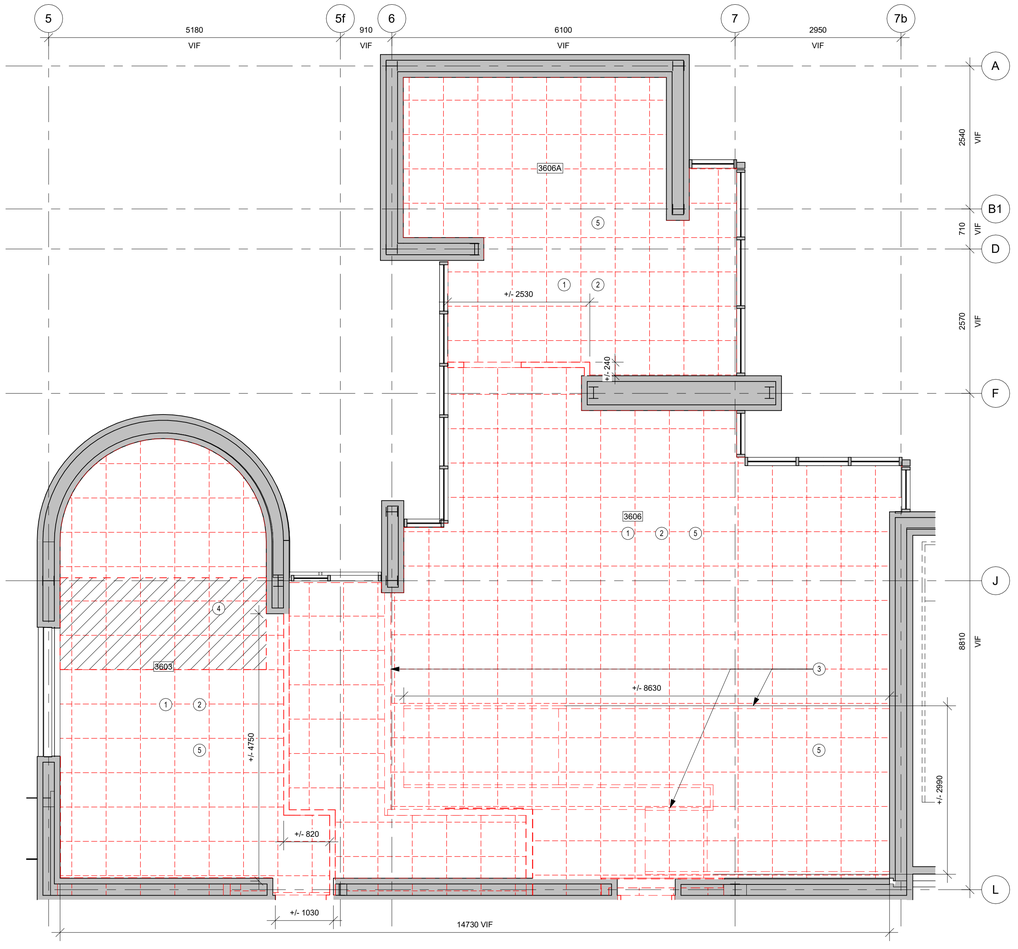
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PROJECT NO :	2024-0711-10
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A110



1 A120 DEMOLITION PLAN - S2 4TH YEAR DESIGN STUDIO
Scale: 1 : 50



2 A120 DEMOLITION RCP - S2 4TH YEAR DESIGN STUDIO
Scale: 1 : 50

DEMOLITION PLAN NOTES

1. REMOVE AND DISPOSE OF EXISTING FLOOR FINISHES INCLUDING ALL BASEBOARDS, ALL ADHESIVES, AND LEVELING COMPOUNDS. CLEAN AND PATCH REMAINING SUBSTRATE TO ACCEPT NEW FINISH.
2. REMOVE AND DISPOSE OF EXISTING RADIATORS, KEEP PIPING AT CONNECTIONS, REFER TO MECHANICAL.
3. REMOVE AND DISPOSE OF DRYWALL PARTITION W/ EXISTING WINDOW AND EXISTING DOOR, MAKE GOOD ADJACENT SURFACES.
4. REMOVE AND DISPOSE OF EXISTING LOCKERS.
5. DEMOLISH EXISTING DRYWALL PARTITION, MAKE GOOD ADJACENT SURFACES.
6. REMOVE AND DISPOSE OF EXISTING STAIRCASE LEADING TO FOURTH FLOOR, INCLUDING GUARD SURROUNDING MEZZANINE, MAKE GOOD ADJOINING SURFACES. PROVIDE TEMPORARY SHORING AS REQUIRED TO SUPPORT MEZZANINE ABOVE. PROVIDE STEEL ANGLE PER ARCH AND STRUCT DETAILS TO SUPPORT PORTION OF EXISTING MASONRY WALL TO REMAIN BEARING ON EXISTING STAIR LANDING TO BE DEMOLISHED. REFER TO STRUCTURAL FOR SCOPE OF STRUCTURAL REMOVALS.
7. REMOVE AND DISPOSE OF EXISTING HOLLOW METAL DOOR AND TRANSOM ABOVE, TO U/S CEILING ASSEMBLY. MAKE GOOD ALL ADJACENT SURFACES.
8. REMOVE AND PRESERVE EXISTING WINDOW COVERINGS FOR RE-INSTALLATION AT THE END OF CONSTRUCTION, TYP ALONG LENGTH OF ENTIRE CURTAIN WALL.
9. REMOVE AND DISPOSE OF EXISTING SURFACE-MOUNT DATA RACEWAYS, REFER TO ELECTRICAL.
10. PROVIDE HOARDING ALONG DASHED LINE. ASSEMBLED FROM 89mm STEEL STUD FRAME W/ 13mm GWB ON BOTH SIDES.

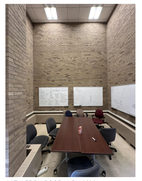
GENERAL DEMOLITION NOTES

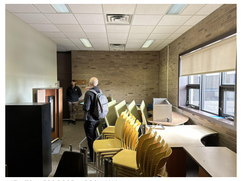
1. ALL DEMOLITION IS TO BE COORDINATED WITH REMOVAL OF HAZARDOUS MATERIALS AS PER THE OWNERS DESIGNATED SUBSTANCES REPORT AND TO BE COORDINATED W/ THE OWNER'S HAZARDOUS MATERIALS CONSULTANT
2. REMOVE EXISTING FIREPROOFING SPRAY AS NEEDED TO FACILITATE INSTALLATION OF PROPOSED CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: FRAMING ELEMENTS, BRACING, SUPPORT FOR SUSPENED CEILINGS, ELECTRICAL AND MECHANICAL EQUIPMENT, AV EQUIPMENT, ETC.
3. REMOVE SECTIONS OF THE CEILING ASSEMBLY AS REQUIRED FOR THE SCOPE OF WORK. PROVIDE REPLACEMENT CEILING TILES FOR ANY DAMAGED TILES, SALVAGE MATERIALS AS REQUIRED, AND REPAIR EXISTING CONSTRUCTION TO REMAIN.
4. SEPARATE PRICES AS DISTINGUISHED ON THE DRAWINGS AND BID FORM.

DEMOLITION RCP NOTES

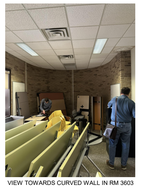
1. REMOVE AND DISPOSE OF EXISTING SUSPENDED ACOUSTIC CEILING ASSEMBLY C/W GRID.
   A. CEILING HEIGHT @ 6207MM AFF IN ROOM 3606A AND MAJORITY OF 3606
   B. CEILING HEIGHT @ 3023MM AFF IN ROOM 3603 AND IN 3606 BELOW MEZZANINE
2. REMOVE AND DISPOSE OF EXISTING MECHANICAL, ELECTRICAL AND LIFE SAFETY FIXTURES AS DESCRIBED IN MECHANICAL AND ELECTRICAL DRAWINGS.
3. REMOVE AND DISPOSE OF EXISTING STAIRCASE LEADING TO FOURTH FLOOR, INCLUDING GUARD SURROUNDING MEZZANINE, MAKE GOOD ADJOINING SURFACES. PROVIDE TEMPORARY SHORING AS REQUIRED TO SUPPORT MEZZAININE ABOVE. REFER TO STRUCTURAL FOR SCOPE OF STRUCTURAL REMOVALS.
4. EXISTING WATER-DAMAGE FROM ROOF LEAK PRESENT IN HATCHED AREA. REFER TO A500 FOR PHOTOS OF EXISTING CONDITION ABOVE ACT. REMOVE FIREPROOFING SPRAY FROM EXISTING JOIST AND DECK STRUCTURE IN HATCHED AREA, REFER TO STRUCTURAL FOR REMEDIAL ACTION REQUIRED. FOLLOWING REMEDIAL STRUCTURAL WORK, PROVIDE NEW CEMENTITIOUS FIREPROOFING SPRAY ON EXPOSED AREA AND TIE INTO EXISTING.
5. SALVAGE EXISTING WIRELESS ACCESS POINTS, AV EQUIPMENT AND CLOCKS, PRIOR TO CEILING DEMOLITION AND RETURN TO CLIENT.


VIEW FROM T/O STAIR IN RM 3606


VIEW FROM DOOR IN RM 3606A

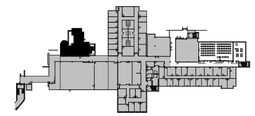

VIEW TOWARDS DOOR IN ROOM 3603


VIEW TOWARDS STAIR IN RM 3606


VIEW TOWARDS CURVED WALL IN RM 3603

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CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 2 - 4TH YEAR DESIGN STUDIO DEMOLITION PLAN & RCP

architects
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SEAL

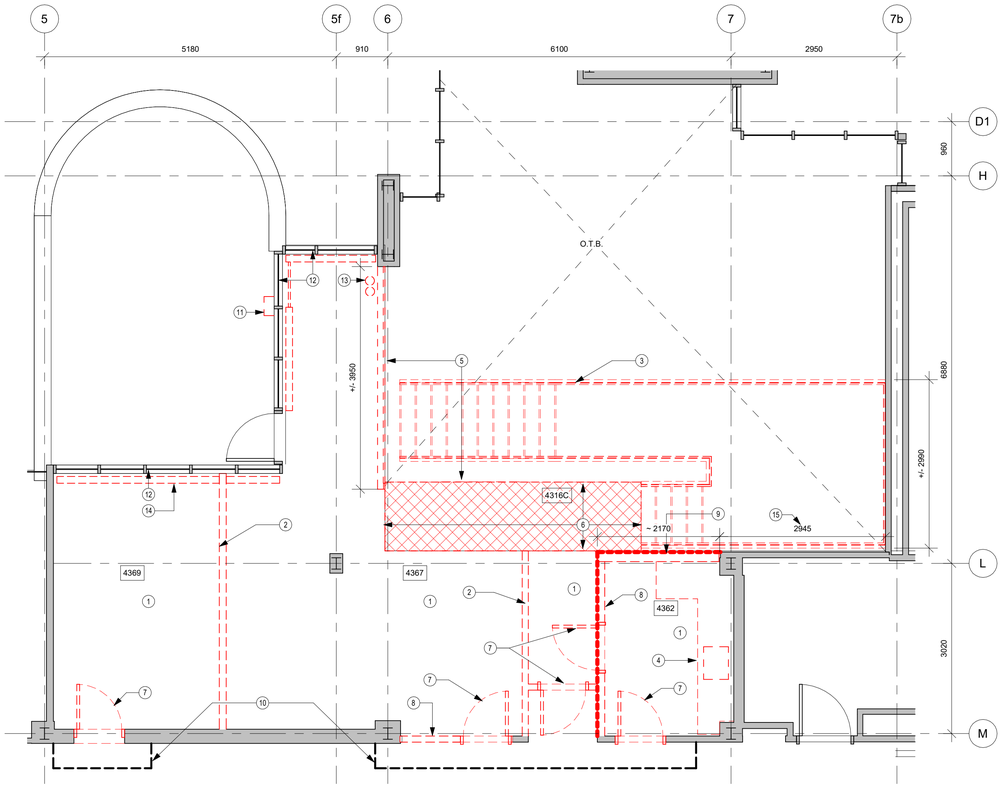
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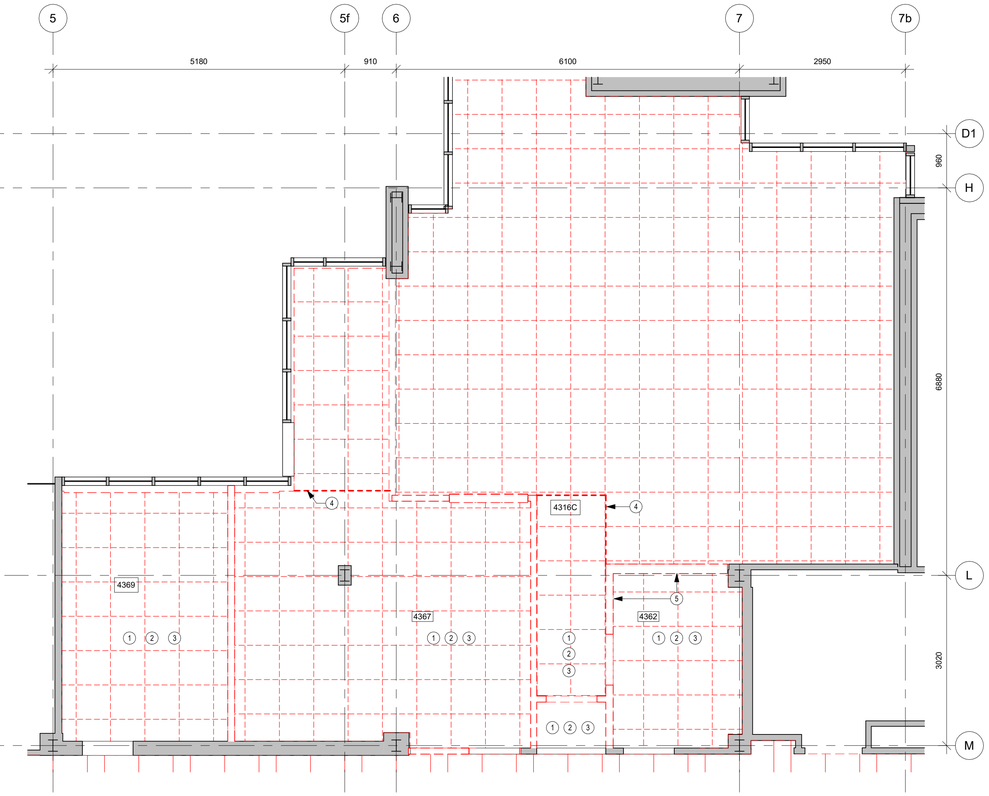
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PROJECT NO :	2024-0711-10
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A120



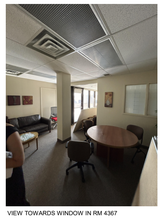
1 A130 DEMOLITION PLAN - S3 FACULTY + STUDENT LOUNGE
Scale: 1 : 50

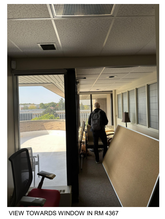


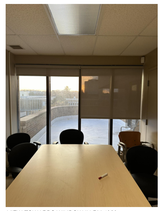
3 A130 DEMOLITION RCP - S3 FACULTY + STUDENT LOUNGE
Scale: 1 : 50

DEMOLITION PLAN NOTES

1. REMOVE AND DISPOSE OF EXISTING FLOOR FINISHES INCLUDING ALL BASEBOARDS, ALL ADHESIVES, AND LEVELING COMPOUNDS. CLEAN AND PATCH REMAINING SUBSTRATE TO ACCEPT NEW FINISH.
2. REMOVE AND DISPOSE OF DRYWALL PARTITION, MAKE GOOD ADJACENT SURFACES.
3. REMOVE AND DISPOSE OF EXISTING STAIRCASE CONNECTING TO SPACE BELOW, MAKE GOOD ADJOINING SURFACES. REFER TO STRUCTURAL.
4. REMOVE AND DISPOSE OF EXISTING KITCHEN CABINETRY, STUB OFF PLUMBING CONNECTIONS, REFER TO MECH.
5. REMOVE AND DISPOSE OF EXISTING DRYWALL PARTITION TO U/S STRUCTURE & WINDOWS, DEMOLISH EXISTING HOLOW METAL HANDRAIL ON OPEN -TO-BELOW SIDE OF WALL.
6. REMOVE AND DISPOSE OF EXISTING CONCRETE-TOPPING STEEL DECK ASSEMBLY INCLUSIVE OF SUPPORTING STRUCTURAL STEEL, REFER TO STRUCTURAL. PROVIDE TEMPORARY SHORING AS REQUIRED.
7. REMOVE AND DISPOSE OF EXISTING HOLLOW METAL DOOR, ASSOCIATED TRANSOM PANEL, AND HOLLOW METAL FRAME. MAKE GOOD ADJACENT SURFACES. MINIMIZE DISTURBANCE TO EXISTING ACT IN CORRIDOR.
8. REMOVE AND DISPOSE OF EXISTING CONCRETE BLOCK WALL TO U/S OF STRUCTURE. PATCH AND MAKE GOOD ALL EXISTING SURFACES TO REMAIN.
9. REMOVE AND DISPOSE OF EXISTING BRICK-CLAD MASONRY WALL USING NON-DESTRUCTIVE DEMOLITION METHODS, SALVAGE EXISTING BRICKS FOR STORAGE AND RE-USE IN SCOPE 2.
10. PROVIDE HOARDING ALONG DASHED LINE. ASSEMBLED FROM 89mm STEEL STUD FRAME W/ 13mm GWB ON BOTH SIDES.
11. DEMOLISH EXISTING ASSUMED LEAKING SCUPPER AND ASSOCIATED PIPING AS PER MECHANICAL.
12. SALVAGE EXISTING WINDOW COVERINGS AND ANY SUPPORTING HARDWARE FOR RE-INSTALLATION. CLIENT TO ASSESS CONDITION FOR POTENTIAL RE-USE. PATCH AND MAKE GOOD ANY CAVITIES.
13. RELOCATE EXISTING PIPING TO A CONCEALED LOCATION THAT DOES NOT INTERFERE W/ PROPOSED FIRE-RATED GLAZED PARTITION, REFER TO MECH.
14. REMOVE AND DISPOSE OF EXISTING RADIATORS, KEEP PIPING AT CONNECTIONS, REFER TO MECHANICAL.
15. PROVIDE STEEL ANGLE ANCHORED TO STRUCTURAL WALL BEHIND BRICK PER ARCH AND STRUCT. DETAILS TO SUPPORT PORTION OF EXISTING BRICK WALL TO REMAIN BEARING ON EXISTING STAIR LANDING TO BE DEMOLISHED. WILL REQUIRE SEQUENTIAL REMOVAL AND SALVAGING OF BRICK AND INSTALLATION OF STEEL ANGLE IN SECTIONS. REFER TO STRUCTURAL.


VIEW TOWARDS WINDOW IN RM 4367


VIEW TOWARDS WINDOW IN RM 4367


VIEW TOWARDS WINDOW IN RM 4369


VIEW TOWARDS STAIR GUARD IN RM 4316C


VIEW TOWARDS KITCHENETTE IN RM 4362

GENERAL DEMOLITION NOTES

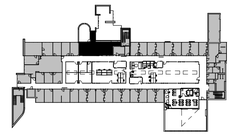
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2. REMOVE EXISTING FIREPROOFING SPRAY AS NEEDED TO FACILITATE INSTALLATION OF PROPOSED CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: FRAMING ELEMENTS, BRACING, SUPPORT FOR SUSPENED CEILINGS, ELECTRICAL AND MECHANICAL EQUIPMENT, AV EQUIPMENT, ETC.
3. REMOVE SECTIONS OF THE CEILING ASSEMBLY AS REQUIRED FOR THE SCOPE OF WORK. PROVIDE REPLACEMENT CEILING TILES FOR ANY DAMAGED TILES, SALVAGE MATERIALS AS REQUIRED, AND REPAIR EXISTING CONSTRUCTION TO REMAIN.
4. SEPARATE PRICES AS DISTINGUISHED ON THE DRAWINGS AND BID FORM.

DEMOLITION RCP NOTES

1. REMOVE AND DISPOSE OF EXISTING SUSPENDED ACOUSTIC CEILING ASSEMBLY C/W GRID.
   A. CEILING HEIGHT @ APPROX 2245MM AFF IN ROOM 4369, 4367, AND 4362
2. REMOVE AND DISPOSE OF EXISTING MECHANICAL, ELECTRICAL AND LIFE SAFETY FIXTURES AS DESCRIBED IN MECHANICAL AND ELECTRICAL DRAWINGS.
3. SALVAGE EXISTING WIRELESS ACCESS POINTS, AV EQUIPMENT AND CLOCKS, PRIOR TO CEILING DEMOLITION AND RETURN TO CLIENT.
4. DEMOLISH EXISTING GWB BULKHEAD AT TERMINATION OF LOWER ACT.
5. DEMOLISH EXISTING CMU BULKHEAD AS REQUIRED TO FACILITATE INSTALLATION OF PROPOSED CONSTRUCTION.

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CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 3 - FACULTY + STUDENT LOUNGE DEMOLITION PLAN & RCP

architects
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SEAL

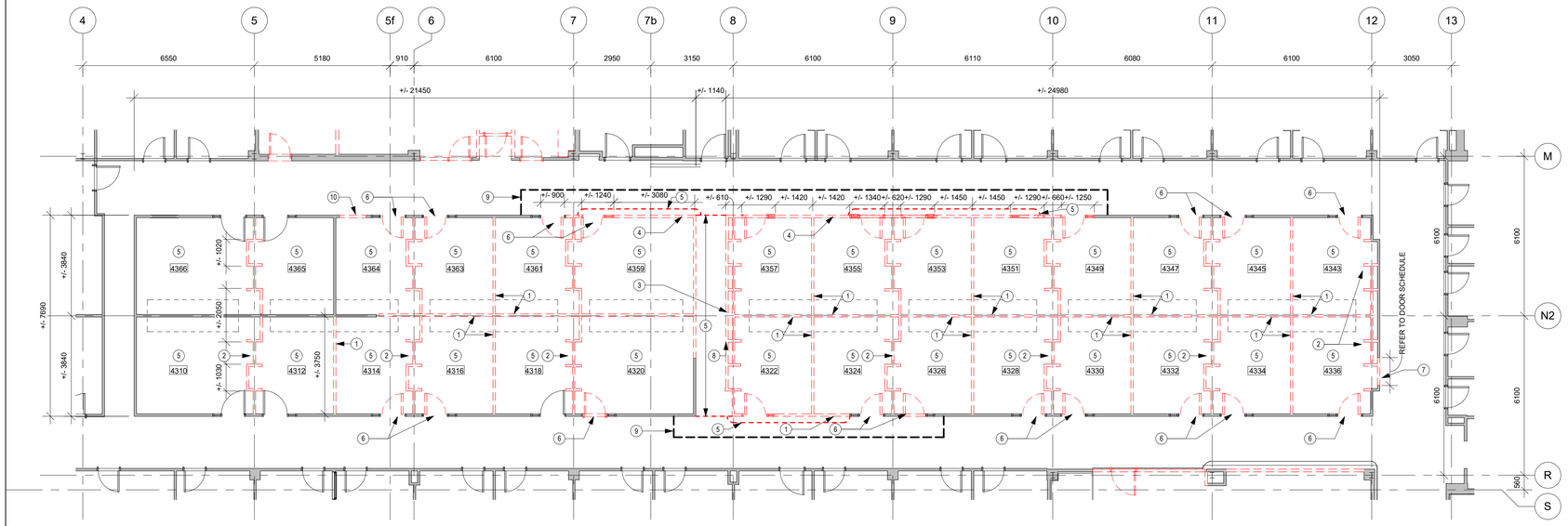
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PROJECT NO :	2024-0711-10
DRAWN BY :	Author
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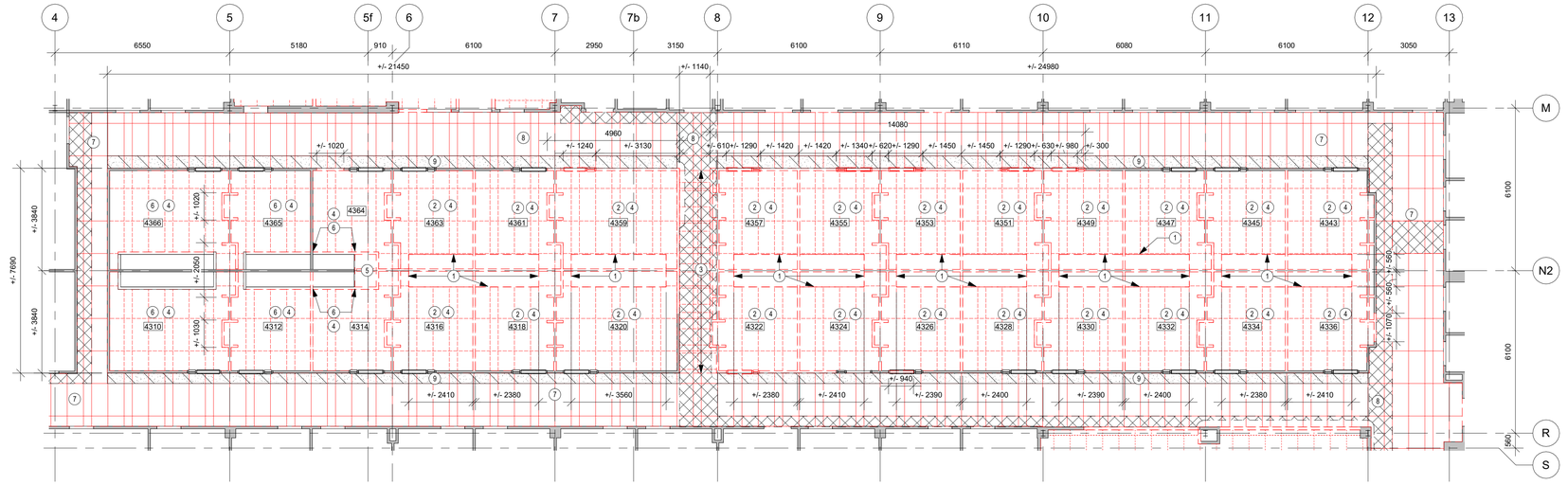
SHEET NO :

A130



1 A140 DEMOLITION PLAN - S4 PHD OPEN OFFICE AND MEETING ROOMS

Scale: 1 : 100



3 A140 DEMOLITION RCP - S4 PHD OPEN OFFICE AND MEETING ROOMS

Scale: 1 : 100

DEMOLITION RCP NOTES

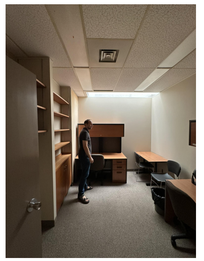
1. REMOVE AND DISPOSE OF EXISTING PLEXIGLASS CEILING AND GWB PARTITION SURROUNDING SKYLIGHT FROM U/S CEILING TO U/S STRUCTURAL BEAM (APPROX 1250MM), TYP.
2. REMOVE AND DISPOSE OF EXISTING SUSPENDED ACOUSTIC CEILING ASSEMBLY C/W GRID IN ALL PHD OFFICES & MEETING ROOMS IN MID BLOCK. EXISTING ACOUSTIC CEILING ASSEMBLY IN MEETING ROOMS AND OFFICES CONTINUOUS W/ CORRIDOR ACOUSTIC CEILING ASSEMBLY. AP 02 SCOPE TO INCLUDE MODIFICATION OF EXISTING CORRIDOR CEILING ASSEMBLY TO SUIT EXTENSION OF EXISTING PARTITION WALLS TO U/S OF STRUCTURE ABOVE. PROVIDE NEW CONTINUOUS EDGE TRIM FOR CORRIDOR CEILING ALONG EXTENDED PARTITION WALLS AND PROVIDE NEW ACOUSTIC TILE CEILING PANELS IN CORRIDOR TO MATCH EXISTING.
3. REMOVE AND DISPOSE OF EXISTING SUSPENDED ACOUSTIC CEILING ASSEMBLY C/W GRID IN CORRIDOR SEPARATING TWO MID-BLOCKS
4. SALVAGE EXISTING WIRELESS ACCESS POINTS, AV EQUIPMENT AND CLOCKS, PRIOR TO CEILING DEMOLITION AND RETURN TO CLIENT.
5. TAKE DOWN EXISTING ACRYLIC CEILING PANELS AND CUT PANEL BACK TO SUIT PROPOSED DESIGN.
6. REMOVE AND DISPOSE OF EXISTING SUSPENDED ACOUSTIC CEILING ASSEMBLY C/W GRID IN SMALL MTG RM. EXISTING DRYWALL LIGHTWELL TRIM AT U/S OF CEILING TO REMAIN. ACOUSTIC CEILING ASSEMBLY CONINUOUS W/ CORRIDOR ACOUSTIC CEILING ASSEMBLY. AP02 SCOPE TO INCLUDE MODIFICATION OF EXISTING CORRIDOR CEILING ASSEMBLY. PROVIDE NEW CONTINUOUS EDGE TRIM FOR CORRIDOR CEILING AT CORRIDOR-SIDE OF EXISTING PARTITION WALLS AND PROVIDE NEW ACOUSTIC TILE PANELS IN CORRIDOR TO MATCH EXISTING.
7. [ALT PRICE 03] REMOVE AND DISPOSE OF EXISTING SUSPENDED ACOUSTIC CEILING ASSEMBLY C/W GRID, LIGHTING AND ELECTRICAL FIXTURES IN FOURTH FLOOR CORRIDOR. EXISTING DIFFUSERS TO REMAIN. REFER TO A201 FOR FULL EXTENT OF 4TH FLOOR CORRIDOR WORK.
8. BASE PRICE SCOPE: WITHIN AREA SHOWN HATCHED REMOVE EXISTING CEILING TILES AND REPLACE WITH NEW, SIM TO CEILING TYPE C-1. EXISTING CEILING GRID TO BE MODIFIED AS REQUIRED TO ACCOMMODATE NEW STUDY POD/MEETING ROOMS THAT EXTEND INTO THE CORRIDOR. EXISTING LIGHTING IN HATCHED AREA TO BE REPLACED, REFER TO ELEC. NEW J-HOOKS TO BE INSTALLED AS PER ELECTRICAL TO FACILITATE DATA & SECURITY CABLE RUNS FROM ALL ACCESS CONTROLLED DOORS TO SECURITY/COMMS ROOM. EXISTING DIFFUSERS TO REMAIN.
9. ALT PRICE 02: EXISTING CONTINUOUS CEILING GRID. WITHIN HATCHED AREA, CUT EXISTING CEILING GRID AT NEW PARTITION LOCATION WHERE PARTITION IS TO EXTEND TO U/S OF STRUCTURE. MODIFY EXISTING GRID AND PROVIDE NEW GRID COMPONENTS AS REQUIRED TO SUIT REVISED LAYOUT, TERMINATING AT CORRIDOR SIDE OF PARTITION. PROVIDE NEW CEILING TILES TO MATCH EXISTING.

DEMOLITION PLAN NOTES

1. REMOVE AND DISPOSE OF EXISTING GWB PARTITION, BRACE, PATCH AND MAKE GOOD ADJOINING WALLS, TYP.
2. REMOVE AND DISPOSE OF EXISTING CASEWORK AND SUPPORTING WALLS AS SHOWN, PARTITION SEPARATING ROOMS FROM CORRIDOR TO REMAIN, BRACE, PATCH AND MAKE GOOD ADJOINING WALLS, TYP.
3. RELOCATE EXISTING FHC TO LOCATION SHOWN IN PROPOSED PLAN, REFER TO MECH FOR PROPOSED ROUTING.
4. REMOVE AND DISPOSE CORRIDOR PARTITION INCLUDING HOLLOW METAL DOORS & DOOR FRAMES
5. REMOVE AND DISPOSE OF EXISTING FLOOR FINISHES INCLUDING ALL BASEBOARD. ALL ADHESIVES, AND LEVELING COMPOUNDS UP TO OUTSIDE FACE OF FRAMING OF PROPOSED MEETING ROOM POD WALL. CLEAN AND PATCH REMAINING SUBSTRATE TO ACCEPT NEW FINISH.
6. REMOVE EXISTING DOOR AND ASSOCIATED TRANSOM PANEL ABOVE. PROTECT DOOR FRAME AND SIDELIGHT DURING AND AFTER REMOVALS, TYP.
7. REMOVE PORTION OF GWB PARTITION REQUIRED TO ACCOMMODATE PROPOSED DOOR. PROVIDE TEMPORARY BRACING TO CONNECT ADJACENT WALLS DURING CONSTRUCTION.
8. REMOVE AND DISPOSE OF EXISTING CASEWORK AND SUPPORTING WALLS
9. PROVIDE HOARDING ALONG DASHED LINE. ASSEMBLED FROM 89mm STEEL STUD FRAME W/ 13mm GWB ON BOTH SIDES.
10. DEMOLISH PORTION OF EXISTING PARTITION WALL TO ACCOMODATE RE-USE OF EXISTING SALVAGED HOLLOW-METAL DOOR AND FRAME.



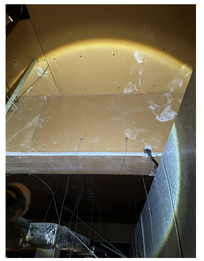
VIEW TOWARDS PHD OFFICE DOOR IN EXISTING CORRIDOR



VIEW FROM DOOR IN EXISTING PHD OFFICE



VIEW TOWARDS SKYLIGHT IN PHD OFFICE



VIEW IN CEILING PLENUM ABOVE PHD OFFICE SHOWING BEAM ALONG GRIDLINE 10



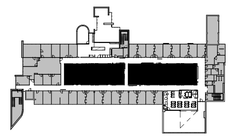
VIEW IN EXISTING PHD MEETING ROOM

GENERAL DEMOLITION NOTES

1. ALL DEMOLITION IS TO BE COORDINATED WITH REMOVAL OF HAZARDOUS MATERIALS AS PER THE OWNERS DESIGNATED SUBSTANCES REPORT AND TO BE COORDINATED W/ THE OWNER'S HAZARDOUS MATERIALS CONSULTANT
2. REMOVE EXISTING FIREPROOFING SPRAY AS NEEDED TO FACILITATE INSTALLATION OF PROPOSED CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: FRAMING ELEMENTS, BRACING, SUPPORT FOR SUSPENED CEILINGS, ELECTRICAL AND MECHANICAL EQUIPMENT, AV EQUIPMENT, ETC.
3. REMOVE SECTIONS OF THE CEILING ASSEMBLY AS REQUIRED FOR THE SCOPE OF WORK. PROVIDE REPLACEMENT CEILING TILES FOR ANY DAMAGED TILES, SALVAGE MATERIALS AS REQUIRED, AND REPAIR EXISTING CONSTRUCTION TO REMAIN.
4. SEPARATE PRICES AS DISTINGUISHED ON THE DRAWINGS AND BID FORM.

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CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 4 - PHD OPEN OFFICE DEMOLITION PLAN & RCP (AP 02)

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SEAL

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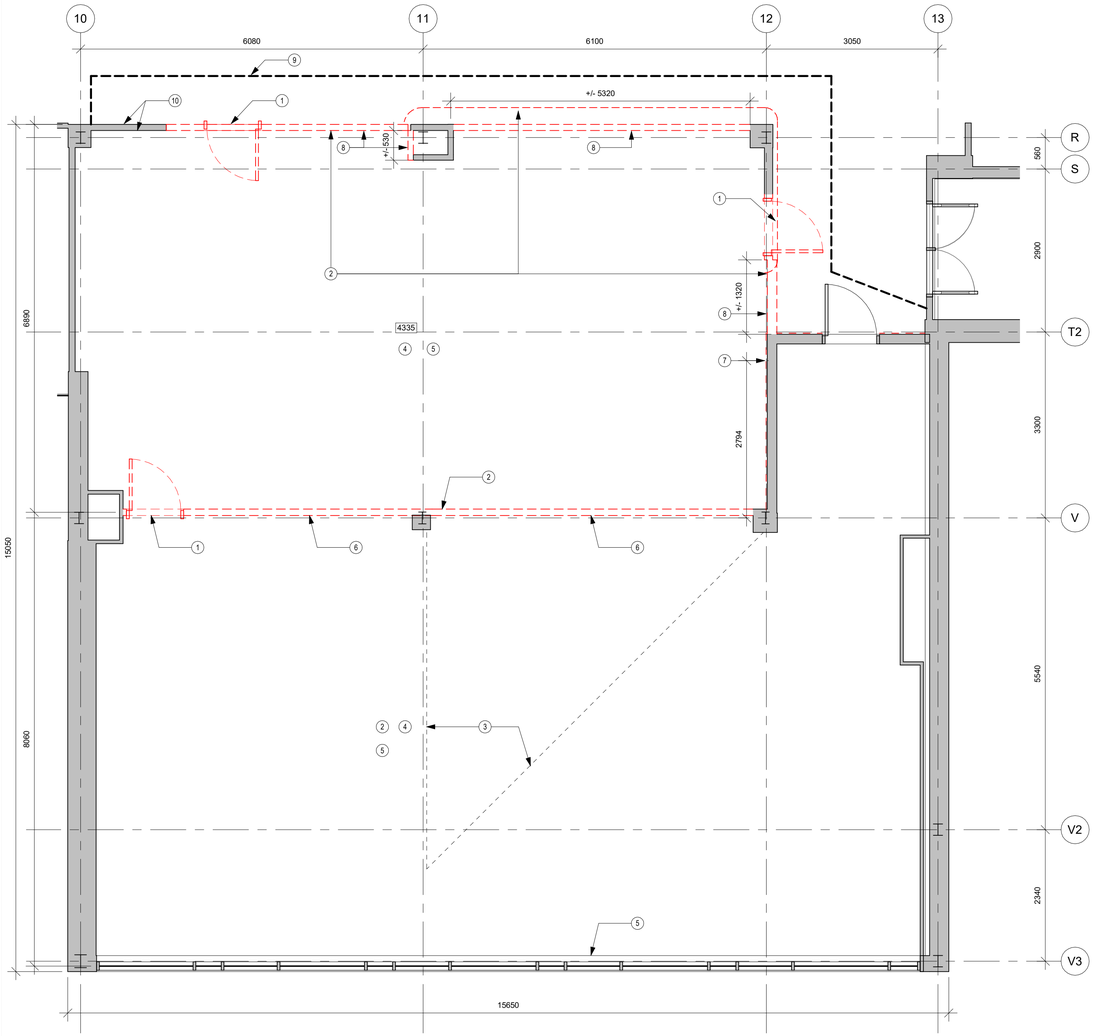
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A140



1 A150 DEMOLITION PLAN - S5 MID-SIZE CLASSROOM
Scale: 1 : 50

DEMOLITION PLAN NOTES

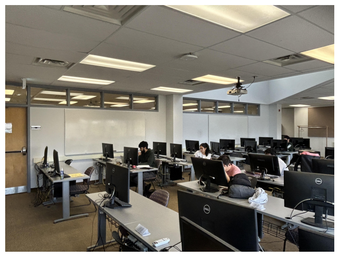
1. REMOVE AND DISPOSE OF EXISTING HOLLOW METAL DOOR.
2. REMOVE AND DISPOSE OF EXISTING FLOOR FINISHES INCLUDING ALL BASEBOARDS, ALL ADHESIVES, AND LEVELING COMPOUNDS. CLEAN AND PATCH REMAINING SUBSTRATE TO ACCEPT NEW FINISH. COORDINATE EXTENTS OF REMOVALS WITH EXTENTS OF PROPOSED FLOORING.
3. CLERESTORY W/ SKYLIGHT ABOVE SHOWN DASHED.
4. SALVAGE EXISTING WHITEBOARD, PROJECTOR SCREEN, AND PROJECTOR FOR RE-USE. PROVIDE TO CLIENT.
5. REMOVE EXISTING DATACABLE TRAYS ON WALLS, REFER TO ELECTRICAL. PATCH AND MAKE GOOD ANY CAVITIES.
6. REMOVE AND DISPOSE OF EXISTING GWB PARTITION WALL FROM T/O FINISH FLOOR TO U/S STRUCTURE INCLUDING DATACABLE TRAYS. REMOVE HOLLOW METAL CLERESTORY WHERE PRESENT. MAKE GOOD ADJACENT SURFACES.
7. REMOVE GWB LAYER OF INTERIOR PARTITION (SIDE NOT FACING ROOM 4333) TO FACILITATE FUTURE INSULATION BETWEEN EXISTING STUDS.
8. REMOVE EXISTING CONCRETE BLOCK PARTITION TO U/S OF STRUCTURE. PATCH AND MAKE GOOD ALL EXISTING SURFACES TO REMAIN.
9. PROVIDE HOARDING ALONG DASHED LINE. ASSEMBLED FROM 89mm STEEL STUD FRAME W/ 13mm GWB ON BOTH SIDES.
10. EXISTING ELECTRICAL PANELS IN EXISTING WALL TO REMAIN, PROVIDE PROTECTION AND SUFFICIENT SUPPORT AT EDGE OF WALL DURING DEMOLITION.



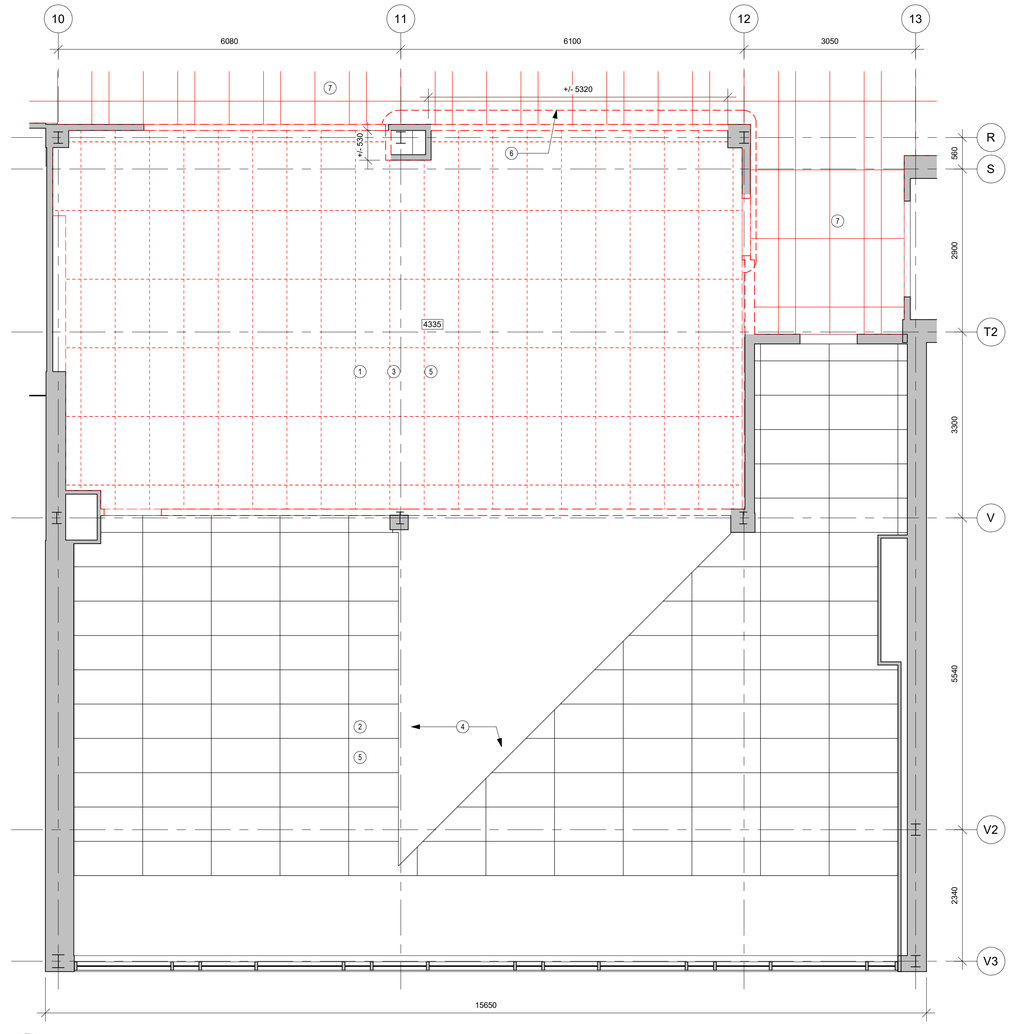
VIEW TOWARDS GRIDLINE 12 FROM ROOM 4335



VIEW TOWARDS GRIDLINE 10 FROM ROOM 4335



VIEW PARTITION BETWEEN RM 4333 AND RM



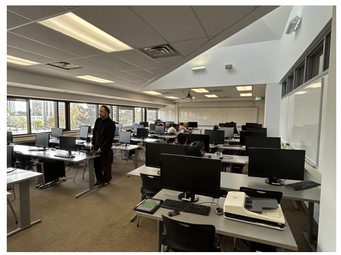
2 A150 DEMOLITION RCP - S5 MID-SIZE CLASSROOM
Scale: 1 : 50

DEMOLITION RCP NOTES

1. REMOVE AND DISPOSE OF EXISTING SUSPENDED ACOUSTIC CEILING ASSEMBLY.
   A. CEILING HEIGHT @ 2743MM AFF
2. EXISTING ACT CEILING TO REMAIN IN ROOM 4333
3. DEMOLISH EXISTING MECHANICAL, ELECTRICAL, AND LIFE SAFETY FIXTURES IN ROOM 4335, REFER TO M&E DEMO SCOPE.
4. CLERESTORY W/ GWB BULKHEAD AND SKYLIGHT TO REMAIN. PROVIDE PROTECTION TO EXPOSED EDGES AND FIXTURES DURING CONSTRUCTION.
5. SALVAGE EXISTING WIRELESS ACCESS POINTS, AV EQUIPMENT AND CLOCKS, PRIOR TO CEILING DEMOLITION AND RETURN TO CLIENT.
6. REMOVE AND DISPOSE OF SUSPENDED ACOUSTIC CEILING ASSEMBLY IN CORRIDOR AND MODIFY EXISTING CEILING GRID TO ACCOMMODATE PROPOSED PARTITION.
7. REFER TO A140 AND A201 FOR 4TH FLOOR CORRIDOR CEILING DEMOLITION SCOPE.

GENERAL DEMOLITION NOTES

1. ALL DEMOLITION IS TO BE COORDINATED WITH REMOVAL OF HAZARDOUS MATERIALS AS PER THE OWNERS DESIGNATED SUBSTANCES REPORT AND TO BE COORDINATED W/ THE OWNER'S HAZARDOUS MATERIALS CONSULTANT
2. REMOVE EXISTING FIREPROOFING SPRAY AS NEEDED TO FACILITATE INSTALLATION OF PROPOSED CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: FRAMING ELEMENTS, BRACING, SUPPORT FOR SUSPENED CEILINGS, ELECTRICAL AND MECHANICAL EQUIPMENT, AV EQUIPMENT, ETC.
3. REMOVE SECTIONS OF THE CEILING ASSEMBLY AS REQUIRED FOR THE SCOPE OF WORK. PROVIDE REPLACEMENT CEILING TILES FOR ANY DAMAGED TILES, SALVAGE MATERIALS AS REQUIRED, AND REPAIR EXISTING CONSTRUCTION TO REMAIN.
4. SEPARATE PRICES AS DISTINGUISHED ON THE DRAWINGS AND BID FORM.



VIEW TOWARDS FRONT OF CLASSROOM



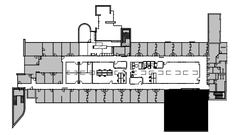
VIEW TOWARDS WINDOW SHOWING DATACABLE TRAY



VIEW LOOKING AT SKYLIGHT

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CLIENT

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 5 - MID SIZE CLASSROOM + STUDY SPACE DEMOLITION PLAN & RCP

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Baird Sampson Neuert

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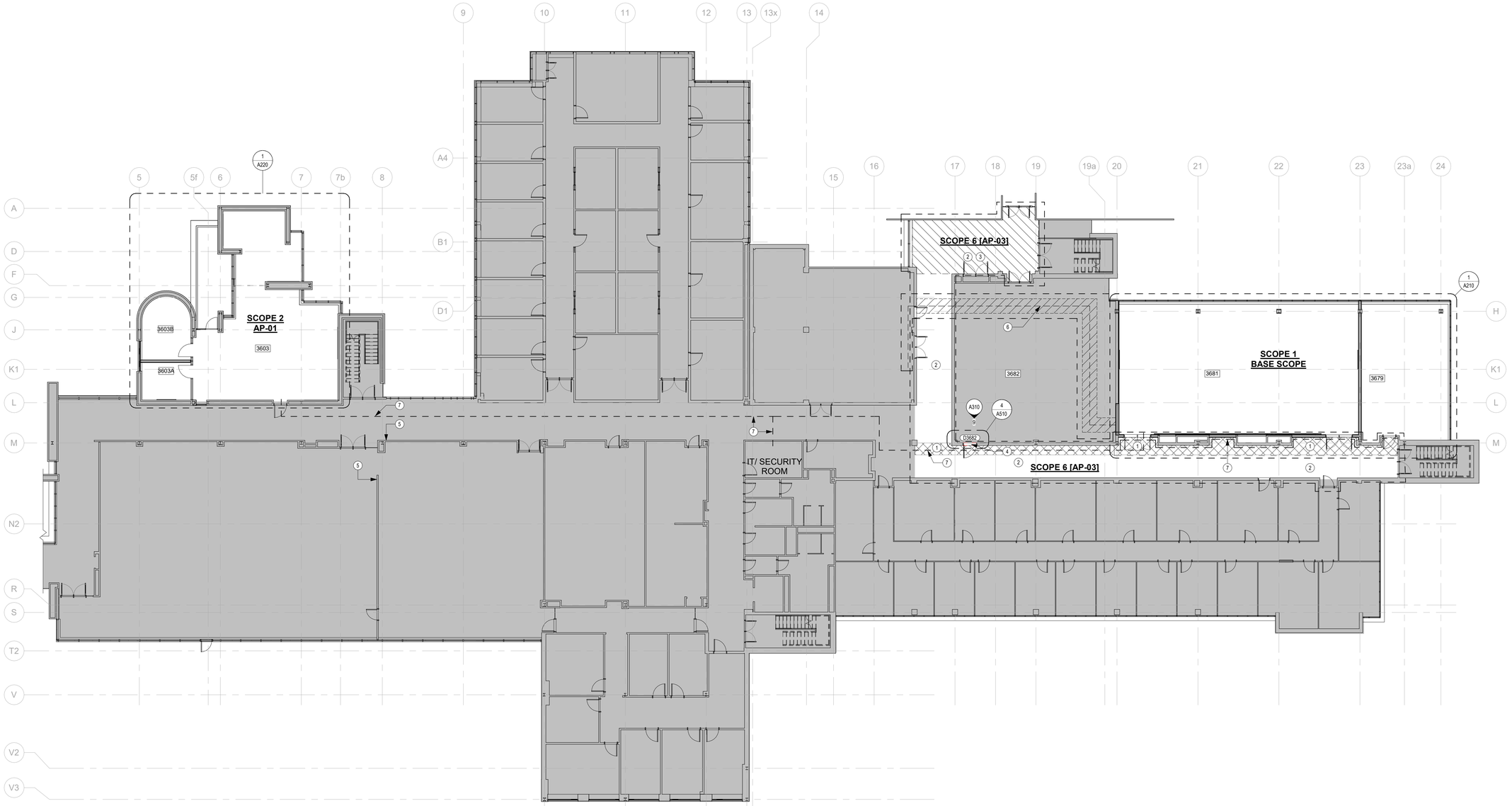
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A150



1 A200 THIRD FLOOR PLAN
Scale: 1 : 150

FLOORPLAN DRAWING NOTES

1. [BASE PRICE SCOPE 1]: WITHIN AREA SHOWN HATCHED, REMOVED EXISTING CEILING AS REQUIRED TO FACILITATE ROUTING OF NEW DATA CABLES FOR MOUNTING APPROACH, HATCHED AREA IS RECOMMENDATION TO BE VALIDATED BY CONTRACTOR. PROVIDE NEW ACOUSTIC CEILING TILES WITHIN EXITING GRID UPON COMPLETION OF DATA CABLE ROUTING.
2. [ALT PRICE 03] CORRIDOR AREA SHOWN AS WHITE AND WITH CROSSHATCH TO RECEIVE THE FOLLOWING:
   - REMOVE AND DISPOSE OF EXISTING FLOOR FINISHES INCLUDING ALL BASEBOARDS, ALL ADHESIVES, AND LEVELING COMPOUNDS. CLEAN AND PATCH REMAINING SUBSTRATE TO ACCEPT NEW FINISH.
   - PROVIDE NEW VINYL SHEET FLOORING WITH INTEGRATED COVED BASEBOARDS AS PER FINISH SCHEDULE, PROVIDE NEW ALUM. TRANSITION STRIPS AT ALL TRANSITIONS WITH EXISTING FLOORING.
   - ALL EXISTING BLOCK AND GWB WALLS TO BE PAINTED, COLOUR MATCH EXISTING WHITE PAINT COLOUR IN UNHATCHED CORRIDOR AREA (FIGURE 2).
   - REMOVE AND DISPOSE OF EXISTING ACOUSTIC TILE CEILING ASSEMBLY C/W EXISTING GRID. PROVIDE NEW ACOUSTIC TILE CEILING ASSEMBLY C-1B INCLUSIVE OF NEW SUPPORTS IF EXISTING SUPPORTS CANNOT BE REUSED, MATCH EXISTING GRID LAYOUT.
   - PROVIDE NEW LIGHTING AS PER ELECTRICAL, KEEP EXISTING MECHANICAL DIFFUSERS.
   - PERFORM WORK IN STAGES TO MAINTAIN ACCESS TO EXIT IN OCCUPIED ROOMS THROUGHOUT DURATION OF WORK.
3. EXISTING METAL PAN CEILING TO REMAIN IN HATCHED AREA.
4. [BASE PRICE - SCOPE 1] RELOCATE COOLING UNIT SHUTOFF SWITCH AS PER ELECTRICAL. SAW CUT AND REMOVE SECTION OF EXISTING CONCRETE BLOCK WALL ASSEMBLY TO ACCEPT NEW DOOR. REFER TO STRUCTURAL FOR STEEL LINTEL SIZING, PATCH AND MAKE GOOD ADJACENT SURFACES. REFER TO FIGURE 1 FOR PHOTO OF EXISTING CONDITION FROM ROOM 3682.
5. PROVIDE AND INSTALL SIGNAGE INDICATING MAXIMUM OCCUPANT LOAD FOR ROOM 3602 IS LIMITED TO 131 PERSONS.
6. [BASE PRICE - SCOPE 1] APPROXIMATE LOCATION AND AREA OF CEILING REMOVALS REQUIRED TO FACILITATE UPGRADING EXISTING CHILLED WATER PIPING TO A LARGER DIAMETER AS PER MECHANICAL. REMOVE EXISTING ACOUSTIC CEILING TILE ALONG PROPOSED ROUTE AND PROVIDE NEW MATCHING CEILING TILES TO FIT WITHIN EXISTING CEILING GRID. CONTRACTOR TO VERIFY LOCATION OF CHILLED WATER PIPING AND EXTENT OF REMOVALS REQUIRED TO FACILITATE UPGRADE IN FIELD.
7. REFER TO ELECTRICAL FOR SCOPE OF EXISTING AND PROPOSED CABLE RUNS FOR POWER AND DATA WITHIN EXISTING CORRIDOR CEILING.

SUPPLEMENTARY IMAGE NOTES

1. PAINT ALL EXISTING BROWN INTERIOR WALLS TO MATCH WHITE ON RECENT RENOVATION WALL COLOUR (PT-10). REFER TO FINISH SCHEDULE.
2. NEW FLOORING TO MATCH EXISTING FLOORING IN RENOVATED CORRIDOR.
3. NEW B3 BASE TO MATCH EXISTING BASE IN RENOVATED CORRIDOR.
4. EXISTING ELECTRICAL PANEL TO REMAIN. VERIFY LOCATION ON SITE.

GENERAL DEMOLITION NOTES

1. ALL DEMOLITION IS TO BE COORDINATED WITH REMOVAL OF HAZARDOUS MATERIALS AS PER THE OWNERS DESIGNATED SUBSTANCES REPORT AND TO BE COORDINATED W/ THE OWNER'S HAZARDOUS MATERIALS CONSULTANT
2. REMOVE EXISTING FIREPROOFING SPRAY AS NEEDED TO FACILITATE INSTALLATION OF PROPOSED CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: FRAMING ELEMENTS, BRACING, SUPPORT FOR SUSPENED CEILINGS, ELECTRICAL AND MECHANICAL EQUIPMENT, AV EQUIPMENT, ETC.
3. REMOVE SECTIONS OF THE CEILING ASSEMBLY AS REQUIRED FOR THE SCOPE OF WORK. PROVIDE REPLACEMENT CEILING TILES FOR ANY DAMAGED TILES, SALVAGE MATERIALS AS REQUIRED, AND REPAIR EXISTING CONSTRUCTION TO REMAIN.
4. SEPARATE PRICES AS DISTINGUISHED ON THE DRAWINGS AND BID FORM.

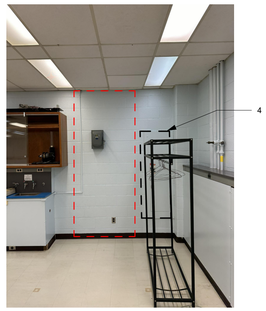


FIGURE 1: VIEW FROM ROOM 3682 LOOKING TOWARDS LOCATION OF PROPOSED D3682. RELOCATE EXISTING DISCONNECT SWITCH PER ELEC, SAW CUT AND REMOVE SECTION OF EXISTING BLOCK WALL TO ACCEPT NEW LINTEL (AS PER STRUC.) AND ACCEPT NEW HOLLOW METAL DOOR.

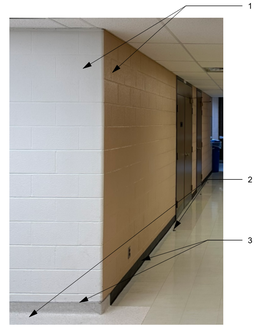


FIGURE 2: VIEW SHOWING REFRESHED CORRIDOR ON LEFT, CORRIDOR TO BE UPDATED ON THE RIGHT

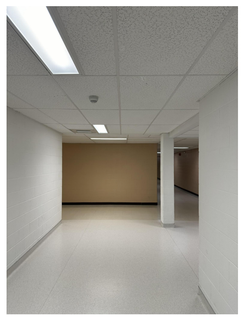


FIGURE 3: VIEW FROM REFRESHED CORRIDOR TO CORRIDOR REQUIRING UPDATE

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PROJECT SCOPE LEGEND

HATCH DENOTES AREA NOT IN ARCHITECTURAL SCOPE OF WORK, TYP.

WHITE & CROSS/ DIAGONAL HATCH DENOTES AREA IN ARCHITECTURAL SCOPE OF WORK, TYP.

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PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

THIRD FLOOR PLAN

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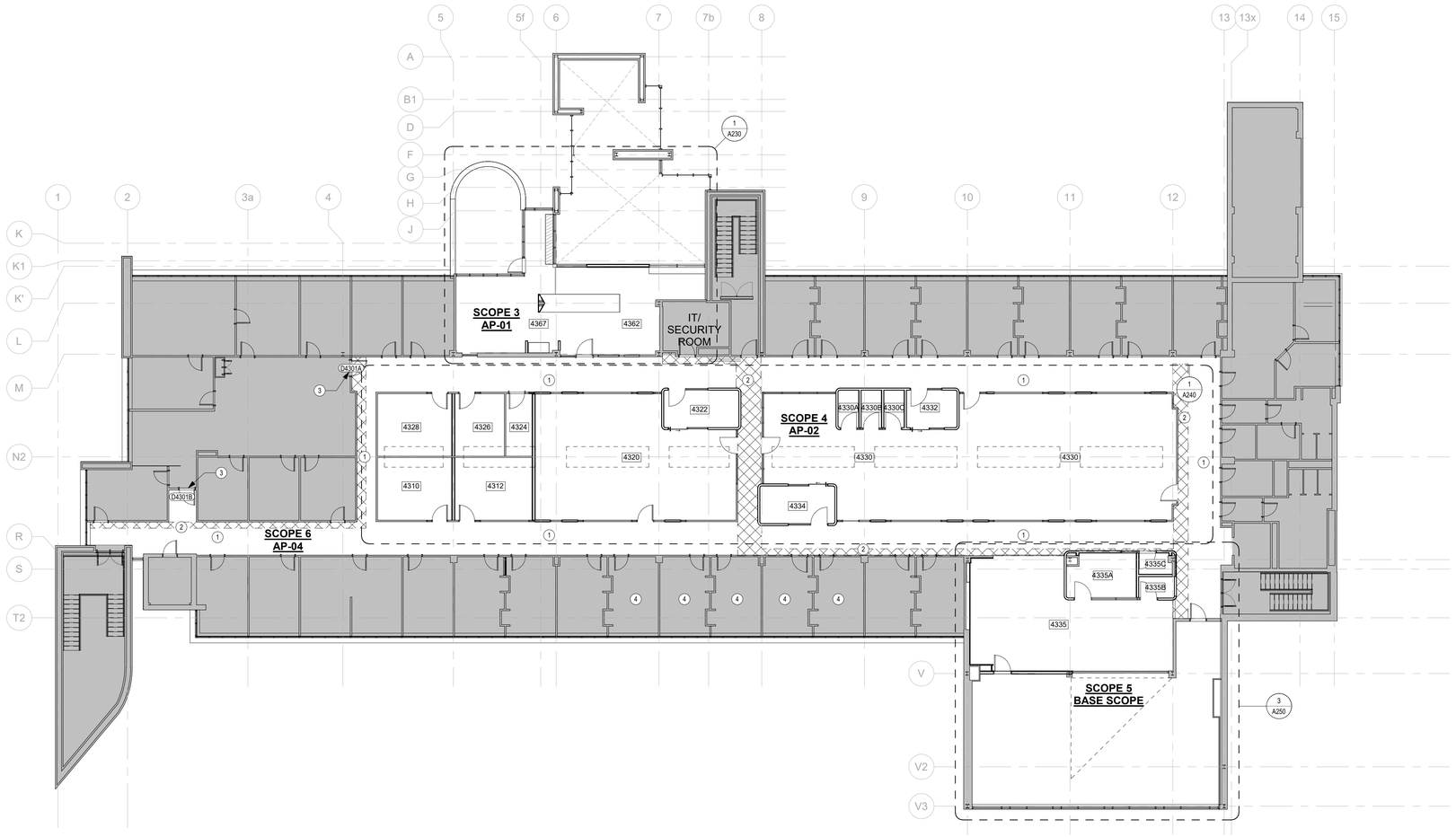
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A200



1 / A201 FOURTH FLOOR PLAN - PROPOSED
Scale: 1 : 150

FLOORPLAN DRAWING NOTES

1. [ALT PRICE 04] CORRIDOR AREA SHOWN AS WHITE AND WITH CROSSHATCH TO RECIEVE THE FOLLOWING :
   - REMOVE AND DISPOSE OF EXISTING FLOOR FINISHES INCLUDING ALL BASE, ALL ADHESIVES, AND LEVELING COMPOUNDS. CLEAN AND PATCH REMAINING SUBSTRATE TO ACCEPT NEW FINISH.
   - PROVIDE NEW VINYL SHEET FLOORING WITH INTEGRATED COVED BASE AS PER FINISH SCHEDULE, PROVIDE NEW ALUM. TRANSITION STRIPS AT ALL TRANSITIONS WITH EXISTING FLOORIING.
   - ALL EXISTING BLOCK AND GWB WALLS TO BE PAINTED, COLOUR MATCH EXISTING WHITE PAINT COLOUR OF EXISTING RENOVATED CORRIDOR ON THIRD FLOOR.
   - REMOVE AND DISPOSE OF EXISTING ACOUSTIC TILE ASSEMBLY C/W EXISTING GRID. PROVIDE NEW ACOUSTIC TILE CEILING ASSEMBLY C-1A INCLUSIVE OF NEW SUPPORTS. MATCH EXISTING GRID LAYOUT.
   - PROVIDE NEW LIGHTING AS PER ELECTRICAL, KEEP EXISTING MECHANICAL DIFFUSERS.
   - PERFORM WORK IN STAGES TO MAINTAIN ACCESS TO EXIT IN OCCUPIED ROOMS THROUGHOUT DURATION OF WORK.
2. [BASE PRICE - SCOPE 5]: WITHIN AREA SHOWN HATCHED REMOVE EXISTING CEILING TILES AND REPLACE WITH NEW CEILING TILES, SIM TO CEILING TYPE C-1A. EXISTING CEILING GRID TO BE MODIFIED AS REUQIRED TO ACCOMODATE NEW STUDY POD/MEETING ROOMS THAT EXTEND INTO THE CORRIDOR. NUMBER OF MEETING ROOM PODS TO BE ACCOMODATED IN CEILING WILL DEPEND ON IF ALT PRICE 02 IS SELECTED ALONGSIDE BASE PRICE OR NOT. EXISTING LIGHTING TO BE REPLACED, REFER TO ELEC. NEW DATA AND POWER CABLES TO BE ROUTED AS PER ELECTRICAL TO FACILATE DATA & SECUIRTY CABLE RUNS FROM ALL ACCESS CONTROLLED DOORS TO SECURITY/COMMS ROOM & INSTALLATION OF NEW EXIT SIGNS, AS PER ELEC. EXISTING DIFFUSERS TO REMAIN.
3. [BASE PRICE]: PROVIDE NEW SCAN CARD HARDWARE TO EXISTING DOOR AS PER DOOR/ DOOR HARDWARE SCHEDULE.
4. [ALT PRICE 02 - SCOPE 4]: OFFICE TO BE VACATED DURING PERIOD OF CONSTRUCTION HOARDING BLOCK EGRESS THROUGH CORRIDOR CONNECTING TWO SCOPE 4 VOLUMES.

GENERAL DEMOLITION NOTES

1. ALL DEMOLITION IS TO BE COORDINATED WITH REMOVAL OF HAZARDOUS MATERIALS AS PER THE OWNERS DESIGNATED SUBSTANCES REPORT AND TO BE COORDINATED W/ THE OWNER'S HAZARDOUS MATERIALS CONSULTANT
2. REMOVE EXISTING FIREPROOFING SPRAY AS NEEDED TO FACILITATE INSTALLATION OF PROPOSED CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: FRAMING ELEMENTS, BRACING, SUPPORT FOR SUSPENED CEILINGS, ELECTRICAL AND MECHANICAL EQUIPMENT, AV EQUIPMENT, ETC.
3. REMOVE SECTIONS OF THE CEILING ASSEMBLY AS REQUIRED FOR THE SCOPE OF WORK. PROVIDE REPLACEMENT CEILING TILES FOR ANY DAMAGED TILES, SALVAGE MATERIALS AS REQUIRED, AND REPAIR EXISTING CONSTRUCTION TO REMAIN.
4. SEPARATE PRICES AS DISTINGUISHED ON THE DRAWINGS AND BID FORM.

UNIVERSITY OF WATERLOO

KEYPLAN

PROJECT SCOPE LEGEND

HATCH DENOTES AREA NOT IN ARCHITECTURAL SCOPE OF WORK, TYP.

WHITE & CROSS/ DIAGONAL HATCH DENOTES AREA IN ARCHITECTURAL SCOPE OF WORK, TYP.

TRUE NORTH

No.	ISSUANCE	DATE
1	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026.07.17
2	ISSUED FOR 90% CD	2026.09.29
3	ISSUED FOR TENDER	2026.11.05

CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

FOURTH FLOOR PLAN

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SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
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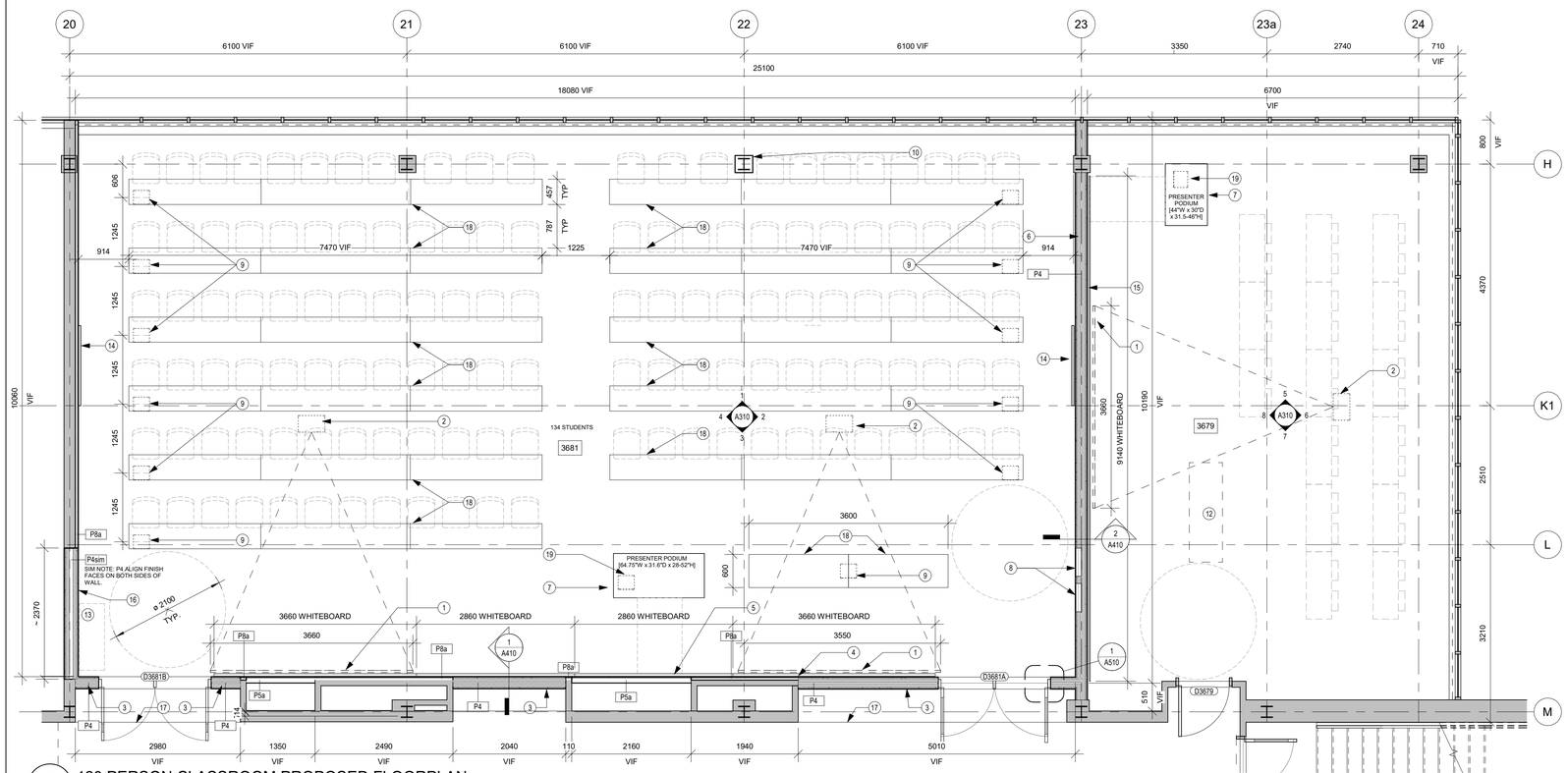
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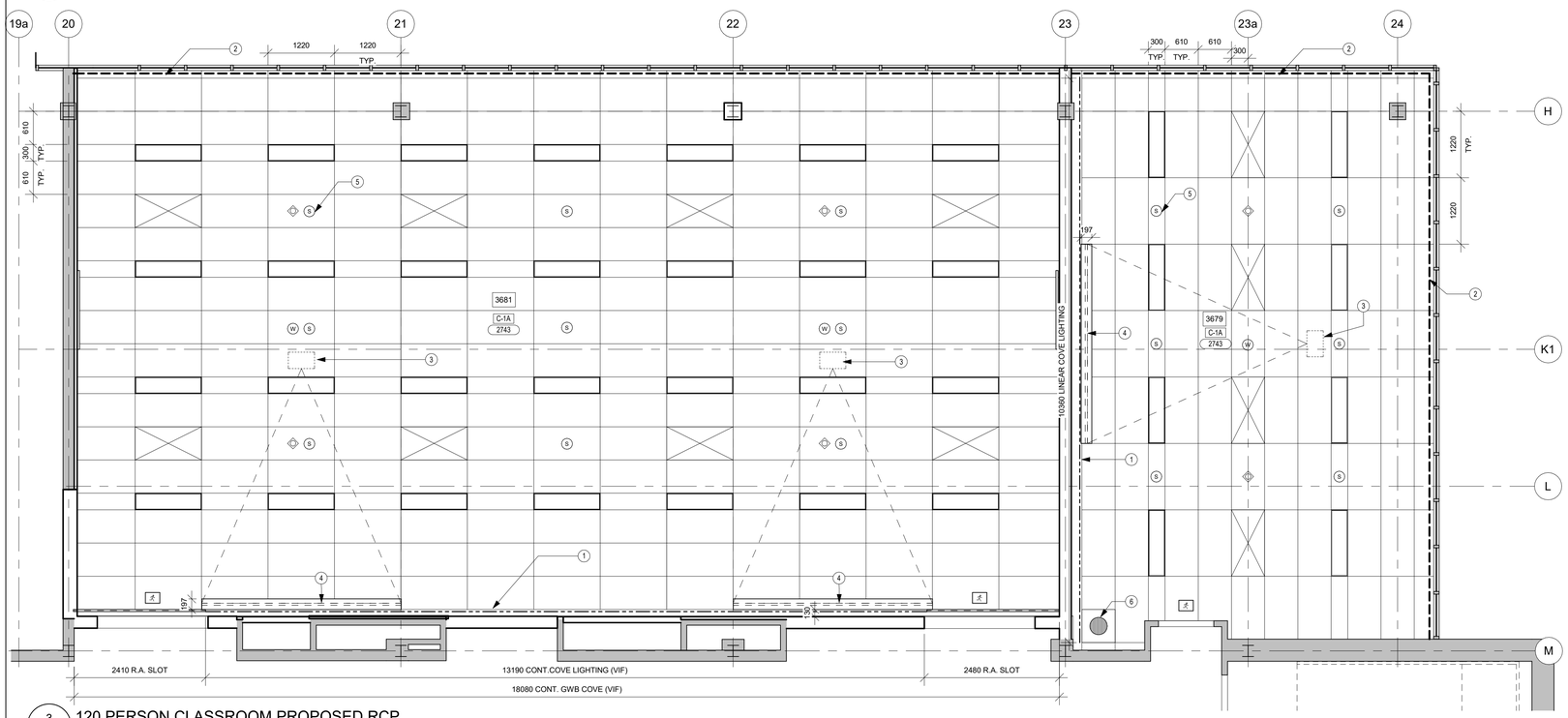
SHEET NO :

A201



1 A210 — 120 PERSON CLASSROOM PROPOSED FLOORPLAN

Scale: 1 : 50



3 A210 — 120 PERSON CLASSROOM PROPOSED RCP

Scale: 1 : 50

FLOORPLAN DRAWING NOTES

1. MOTORIZED CEILING MOUNTED PROJECTOR SCREEN, TO BE PROVIDED BY CLIENT, REFER TO ELECTRICAL. PROVIDE RECESSED CEILING COVER WITH SOLID BLOCKING ABOVE ACOUSTIC CEILING TILE TO SUIT AND INSTALL. PROVIDE RIGID SUPPORT TO STRUCTURE ABOVE INDEPENDENT OF ACOUSTIC CEILING TILE STRUCTURE.
2. CEILING MOUNTED PROJECTOR ENCLOSED IN SECURITY CAGE, TO BE PROVIDED BY CLIENT. PROVIDE SOLID BLOCKING ABOVE ACT, MOUNTED TO U/S STEEL DECK ABOVE TO SUIT.
3. PARITION WALLS TO EXTEND FROM T/O CONCRETE FLOOR TOPPING TO U/S STEEL DECK ABOVE. NOTE, EXISTING STEEL DECK AND OWSJ STRUCTURE WILL REQUIRE FIREPROOFING SPRAY REMOVAL TO CREATE ATTACHEMNT POINT AND CONTINUITY OF 1HR FIRE RATING. TIE FULL DEPTH OF WALL ASSEMBLY INTO EXISTING FIRE RATED CMU WALL.
4. ALIGN FINISH FACE OF ALL WALL ASSEMBLIES WITH FINISH FACE OF PROPOSED FURRING ASSEMBLIES, TYP. ALONG WALL. PROVIDE PLYWOOD BLOCKING AS REQUIRED WITHIN WALL ASSEMBLY TO FACILITATE INSTALLATION OF WHITEBOARDS.
5. 4X INDEPENDENT, WALL MOUNTED VERTICALLY SLIDING WHITEBOARDS, REFER TO INTERIOR ELEVATION FOR UNIT SIZES AND INSTALLATION HEIGHT.
6. PARTITION TO EXTEND FROM FLOOR TO U/S OF STRUCTURAL BEAM ABV. REMOVE EXISTING FIREPROOFING SPRAY AS REQUIRED TO FACILITATE ACOUSTIC SEAL WITH ACOUSTIC CAULKING.
7. HEIGHT ADJUSTABLE PODIUM W/ POWER, DATA AND AV HOOKUP, SUPPLIED BY CLIENT, INSTALLED BY CONTRACTOR. REFER TO ELEC.
8. FLUSH MOUNTED RECESSED PANELBOARD TO HAVE TAMPER-PROOF LOCKABLE DOORS, REFER TO ELEC.
9. PROPOSED FIRE RATED ELECTRICAL PENETRATION THROUGH FLOOR DECK AT FURNITURE LEG. COORDINATE WITH FIXED FURNITURE PEDESTAL LOCATION PRIOR TO CORING. REFER TO ELEC. CONTRACTOR TO CORE OPENING IN FLOOR C/W SCANNING. PROVIDE GALVANIZED METAL FRAMING CHANNEL/STRUT BEAM BELOW EXISTING STRUCTURAL DECK IN LEVEL 2 CEILING SPACE FOR SUPPORT OF CONDUIT AND JUNCTION BOXES. MINIMIZE PENETRATION POINTS FOR STRUT BEAM HANGERS AND ELECTRICAL PENETRATIONS TO SUIT PROCEDURES OUTLINED IN OWNER'S HAZARDOUS MATERIALS ABATEMENT REPORT.
   A. ALLOW FOR TOTAL COMBINED AREA OF 1M2 OF REMOVAL AND REAPPLICATION OF FIREPROOFING SPRAY ON U/S OF FLOOR-DECK TO FACILITATE INSTALLATION OF ALL PROPOSED ELECTRICAL SERVICES IN SECOND FLOOR.
10. ENCASE EXISTING STEEL COLUMN IN 2" SOLID CLAY BLOCK W/FRR EQUIVALENT TO EXISTING CLAY-BLOCK LINED COLUMNS, W/CHAMFERED CORNERS TO MATCH OTHER BLOCK ENCASED COLUMNS IN THE ROOM. PAINT TO MATCH OTHER BLOCK COLUMNS.
11. RESERVED
12. DESIGNATED ACCESSIBLE SEATING TO MATCH CONSTRUCTION AND POWER DISTRIBUTION DENSITY PER STUDENT OF OTHER NON-ACCESSIBLE FIXED DESKS. CONTRACTOR TO ENSURE CLIENT'S ACCESSIBILITY REQUIREMENTS ARE MET.
13. WASTE RECEPTACLE TO BE SUPPLIED BY CLIENT [47 1/2"L X 18"D X 49"H]
14. WALL-MOUNTED TV, SUPPLIED BY OWNER, TV AND MOUNT INSTALLED BY CONTRACTOR. HUBBLE BOX TO BE LOCATED 1380MM AFF.
15. HORIZONTAL SLIDING WHITEBOARD, 3' TO 7' AFF. REFER TO INTERIOR ELEVATIONS.
16. SPACE TWO ROWS OF STUDS FOR WALL TYPE P4SIM AS REQUIRED TO ALIGN FINISH FACE OF GWB TO FINISH FACE OF WALL SURFACES ON BOTH SIDES OF ADJACENT WALL.
17. TRANSITION FROM EXISTING LINOLEUM FLOORING TO PROPOSED MARMOLEUM FLOORING.
18. FIXED SEMINAR TABLES SUPPORTED ON STEEL LEGS ANCHORED TO CONCRETE FLOOR WITH INTEGRATED POWER VIA POP-UP MODULES EVERY OTHER SEAT, RECEPTACLE SHROUD, AND 305MM TALL LAMINATE CONTINOUS MODESTY PANELS. DESK DEPTH 457MM, WIDTH AS INDICATED. TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR TO COORDINATE ELECTRICAL FEEDS AS REQUIRED, REFER TO ELEC. TYP. FOR ALL DESKS IN RM 3681. REFER TO APPENDIX FOR LAYOUT, QUANTITY OF BASE PEDESTALS, AND QUANITITY OF POP-UP POWER MODULES. APPENDIX DOCUMENT MISSING ACCESSIBLE DESKS, TO BE INCLUDED IN PROJECT SCOPE.
19. PROPOSED FIRE RATED FLUSH OUTLET FLOOR BOX, POWER SUPPLIED FROM BELOW SLAB, TYP. REFER TO ELEC. CONTRACTOR TO CORE OPENING IN FLOOR C/W SCANNING. PROVIDE GALVANIZED METAL FRAMING CHANNEL/STRUT BEAM BELOW EXISTING STRUCTURAL DECK IN LEVEL 2 CEILING SPACE FOR SUPPORT OF CONDUIT AND JUNCTION BOXES. MINIMIZE PENETRATION POINTS FOR STRUT BEAM HANGERS AND ELECTRICAL PENETRATIONS TO SUIT PROCEDURES OUTLINED IN OWNER'S HAZARDOUS MATERIALS ABATEMENT REPORT.

RCP DRAWING NOTES

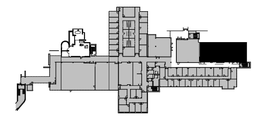
1. TERMINATION OF ACT ASSEMBLY, CONT. LINEAR LIGHTING W/ INTEGRATED COVE ADAPTER ALONG WALL. REFER TO ELECTRICAL.
2. WALL-MOUNTED MANUALLY OPERATED ROLLER SHADES. SHADES TO BE SUPPLIED AND INSTALLED BY CLIENT.
3. CEILING MOUNTED PROJECTOR, N.I.C. SUPPLIED BY CLIENT, INSTALLED BY CONTRACTOR. TO BE CENTERED ON PROPOSED PROJECTOR SCREEN. METAL STUD BOX FRAME 600X600 AND 1/2" PLYWOOD BACKING 150MM ABOVE CEILING TILES TO SUPPORT THE PROJECTOR AS REQ. ANCHOR PROJECTOR TO STEEL DECK ABOVE. COORDINATE WITH OWNER FINAL HEIGHT / POSITIONING OF BACKING ABOVE CEILING TILES.
4. RECESSED CEILING COVE FOR MOTORIZED CEILING PROJECTOR. PROVIDE RIGID SUPPORT W/ 3 PAIRS OF 3/8" THREADED ROD EQUALLY SPACED ALONG LENGTH OF PROJECTOR. EACH PAIR SPACED 235MM APART, CENTERED ON COVE PROJECTOR SCREEN BOX APPROX 162mm X 156mm PROVIDE POWER AND DATA TO SCREEN AS PER ELEC. SCREEN PROVIDED BY CLIENT, TO BE INSTALLED BY CONTRACTOR.
5. CONTRACTOR TO SUPPLY AND INSTALL NEW SPEAKERS AND SPEAKER WIRING, TYP.
6. RETURN AIR DIFFUSER, REFER TO MECHANICAL.

REFLECTED CEILING PLAN LEGEND:

- C-1 — CEILING ASSEMBLY TYPE
- XXXX — U/S OF CEILING ELEVATION (MEASURED FROM FIN. FLOOR)
- GYPSUM WALL BOARD
- ACOUSTICAL CEILING TILE
- PREMANUFACTURED WOOD SLAT PANEL
- PREFINISHED METAL SOFFIT PANEL
- GYPSUM WALL BOARD ACCESS PANEL (REFER TO SPEC)
- LIGHT FIXTURE (SEE ELEC.)
- EMERGENCY LIGHT
- SUPPLY AIR DIFFUSER (SEE MECH.)
- RETURN AIR DIFFUSER (SEE MECH.)
- RETURN AIR SLOT (SEE MECH.)
- LIGHTING DATA SERVICE (SEE. ELEC.)
- WALL MOUNTED FIXTURE (SEE ELEC)
- OCCUPANCY SENSOR (REFER TO ELEC)
- LINEAR DIFFUSER (REFER TO MECH)
- UNIT HEATER (REFER TO MECH)
- W — WIRELESS ACCESS POINT (REFER TO ELEC)
- S — SPEAKER LOCATION - PROVIDE WIRE PER ELEC. (REFER TO ELEC).
- WALLS TO U/S OF CEILING
- MANUALLY OPERATED [MOTORIZED] BLIND / SHADE
- LINEAR LIGHT FIXTURE (SEE ELEC.)
- EXIT SIGN

UNIVERSITY OF WATERLOO

KEYPLAN



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2	ISSUED FOR BUILDING PERMIT R1	2026.09.17
3	ISSUED FOR 90% CD	2026.09.29
4	ISSUED FOR TENDER	2026.11.05

CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 1 - LARGE CLASSROOM PLAN & RCP

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SEAL

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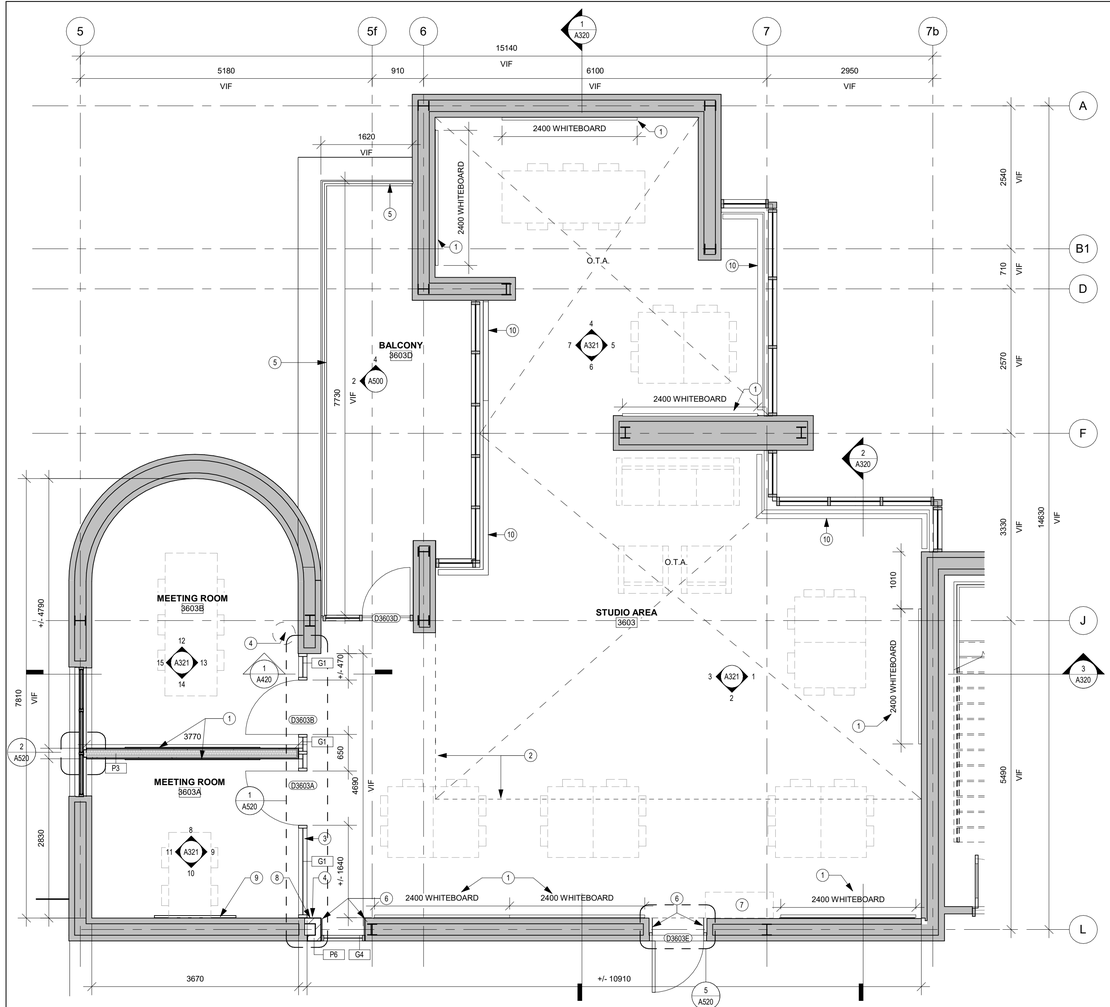
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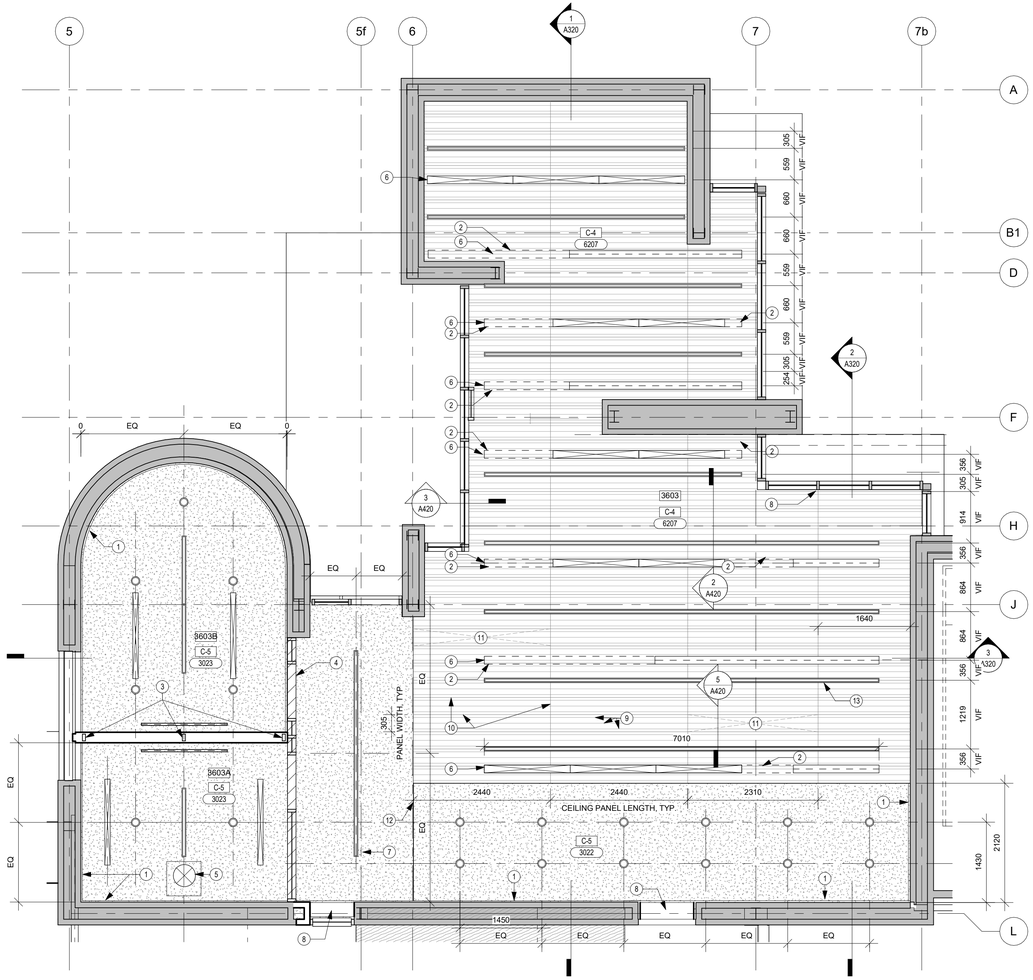
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A210



1 / A220 4TH YEAR DESIGN STUDIO FLOORPLAN

Scale: 1 : 50

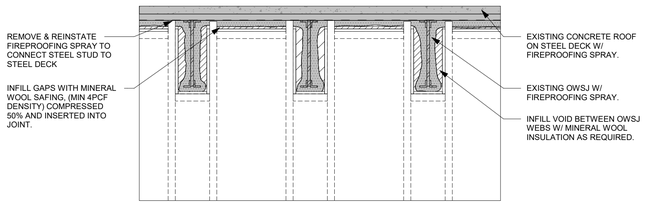


3 / A220 4TH YEAR DESIGN STUDIO RCP

Scale: 1 : 50

FLOORPLAN DRAWING NOTES

1. GLASS SURFACE-MOUNTED WHITEBOARD, TYP. 2400 MM X 1200 MM UNO. MOUNTED W/ BASE AT 915MM AFF. TYP.
2. EXTENT OF FLOOR ABOVE.
3. GLAZED PARTITION TO EXTEND TO U/S OF CEILING, P2B ASSEMBLY ABOVE TO U/S OF DECK, REFER TO RCP FOR RECOMMENDED FRAMING APPROACH.
4. ROOF LEAK REPAIR ABOVE, REFER TO A120, A500, MECH, AND STRUCT FOR DETAILS.
5. GUARDRAIL IMPROVEMENTS: REFER TO A500
   A. INFILL EXISTING GUARDRAIL VOID WITH POWDER COATED EXPANDED METAL MESH, SECURED TO EXISTING GUARD WITH POWDER COATED ANGLE AND STAINLESS FASTENERS.
   B. INSTALL POWDER COATED 1 1/4" DIAMETER HSS TUBE WITH UPSTANDS SECURED TO TOP OF EXISTING GUARD, TO EXTEND GUARD HEIGHT.
6. BLACKEND 6MM STEEL PLATE TRIM SECURED TO MASONRY WALL W/ COUNTERSUNK COLOURMATCHED FASTENERS. TO ENCAPSULATE OPENING (HEADER, JAMBS, SILL AT WINDOW).
7. WASTE RECEPTACLE TO BE SUPPLIED BY CLIENT [47 1/2"L X 18"D X 49"H]
8. EXTEND EXISTING MASONRY WALL WITH RECLAIMED BRICKS FROM WALL DEMOLITION IN SCOPE 3 ON FLOOR ABOVE. KEY BRICK INTO EXISTING MASONRY WALL APPROX EVERY 5 COURSES..
9. PROVIDE SOLID BLOCKING FOR WALL-MOUNTED TV, CENTERED ON ROOM. OWNER SUPPLIED, CONTRACTOR INSTALLED.
10. NEW LOW-PROFILE PEDESTAL RADIATORS, REFER TO MECHANICAL.



ELEVATION DIAGRAM OF GWB PARTITION AT U/S DECK ASSEMBLY FOR NON-FIRE-RATED WALL



PHOTO OF EXISTING OWSJ IN PLENUM SPACE

RCP DRAWING NOTES

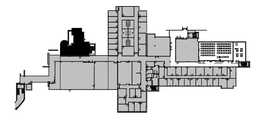
1. PROVIDE 1/2" REVEAL BEAD AT GWB CEILING TO MASONRY WALL TRANSITION, SCRIBE RECESSED PORTION OF BEAD TO MASONRY AT VARIATIONS BEYOND 4MM OVER 1000MM. PROVIDE RADIUSSED BEAD AT CURVED WALL.
2. BLANK DIFFUSER FACE TO MATCH ADJACENT DIFFUSERS, TYP. REFER TO MECHANICAL. FINISHED CONSTRUCTION TO CREATE CONTINUOUS APPEARANCE W/ ADJACENT SUPPLY AIR/RETURN AIR DIFFUSERS.
3. P3 WALL TO EXTEND TO U/S OF DECK. CONNECTION TO DECK REQUIRES REMOVAL OF EXISITNG FIREPROOFING SPRAY AND RE-INSTATMENT OF NEW FIRE-PROOFIND SPRAY OF EQUIVALENT FIRE-RESISTANCE RATING FOLLOWING INSTALLATION. MINIMIZE CONNECTION POINTS, SCRIBE GWB TO 12MM OF FIREPROOFING SPRAY, INFILL WITH MINERAL WOOL SPRAY SAFING COMPRESSED 50% AND INSERTED INTO JOINT.REFER TO ELEVATION DIAGRAM AT BOTTOM OF PAGE FOR PROPOSED APPROACH. CONTRACTOR TO VALIDATE AND TAKE OWNERSHIP OF DESIGN OF STEEL FRAMING WITH DELEGATED DESIGN ENGINEER.
4. P2B ASSEMBLY ABOVE G1A ASSEMBLY FROM CEILING TO U/S OF DECK. WALL RUNS PERPENDICULAR TO OWSJ. CONNECTION TO EXISTING STRUCTURE REQUIRES REMOVAL OF EXISITNG FIREPROOFING SPRAY AND RE-INSTATMENT OF NEW FIREPROOFING SPRAY OF EQUIVALENT FIRE-RESISTANCE RATING FOLLOWING INSTALLATION. MINIMIZE QUANTITY OF CONNECTIONS TO STEEL DECK. FOLLOW PROCEDURE DESCRIBED IN NOTE ABOVE TO CREATE CONTINUITY IN ACOUSTIC SEPERATION. REFER TO ELEVATION DIAGRAM AND PHOTO OF EXISTING OWSJ LOCATED AT BOTTOM OF SHEET FOR REFERENCE.
5. MUD-IN ACCESS PANEL 610MM X 610MM W/ EXHAUST FAN IN CEILING PLENUM, REFER TO MECH.
6. REMOVE (1) WOOD SLAT FOR LENGTH OF SUPPLY/RETURN DIFFUSERS. PROPOSED LIGHTING TO BE FIT WITHIN EXISTING SLAT SPACING, TYP.
7. 6MM BLACKENED STEEL PLATE. FOLLOW DETAIL 1/A520 FOR MOUNTING.
8. ALIGN C/L OF CEILING PANEL JOINT TO C/L OF EXIST C/W MULLION
9. C/L OF WOOD SLAT, TYP.
10. PANEL JOINT, TYP.
11. WOOD SLAT ACCESS PANEL W/ TORSION SPRING, TYP.
12. DRWALL CEILING CONTROL JOINT.
13. SPACING OF ALL CEILING FIXTURES TO BE COORDINATED WITH WOOD SLAT PANEL CEILING SPACING. ALL LIGHT FIXTURES IN WOOD SLAT CEILING TO BE LCOCATED CENTERED BETWEEN REGULARLY SPACED SLATS. COORDINATE LOCATION OF ALL FIXTURES PRIOR TO INSTALLATION OF CEILING, NO MISALIGNED FIXTURES WILL BE ACCEPTED.

REFLECTED CEILING PLAN LEGEND:

- C-1 — CEILING ASSEMBLY TYPE
- XXXX — U/S OF CEILING ELEVATION (MEASURED FROM FIN. FLOOR)
- GYPSUM WALL BOARD
- ACOUSTICAL CEILING TILE
- PREMANUFACTURED WOOD SLAT PANEL
- PREFINISHED METAL SOFFIT PANEL
- GYPSUM WALL BOARD ACCESS PANEL (REFER TO SPEC)
- LIGHT FIXTURE (SEE ELEC.)
- EMERGENCY LIGHT
- SUPPLY AIR DIFFUSER (SEE MECH.)
- RETURN AIR DIFFUSER (SEE MECH.)
- RETURN AIR SLOT (SEE MECH.)
- LIGHTING DATA SERVICE (SEE. ELEC.)
- WALL MOUNTED FIXTURE (SEE ELEC)
- OCCUPANCY SENSOR (REFER TO ELEC)
- LINEAR DIFFUSER (REFER TO MECH)
- UNIT HEATER (REFER TO MECH)
- W — WIRELESS ACCESS POINT (REFER TO ELEC)
- S — SPEAKER LOCATION - PROVIDE WIRE PER ELEC. (REFER TO ELEC).
- WALLS TO U/S OF CEILING
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UNIVERSITY OF WATERLOO

KEYPLAN



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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 2 - 4TH YEAR DESIGN STUDIO PLAN & RCP (AP-01)

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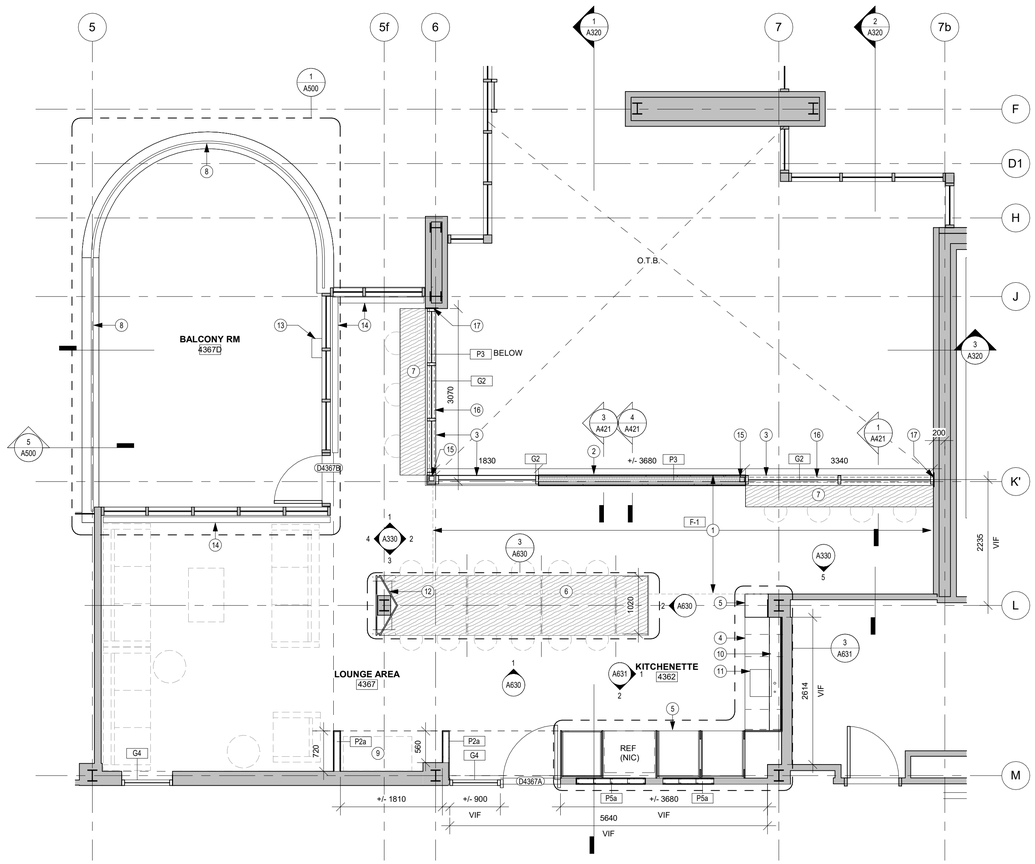
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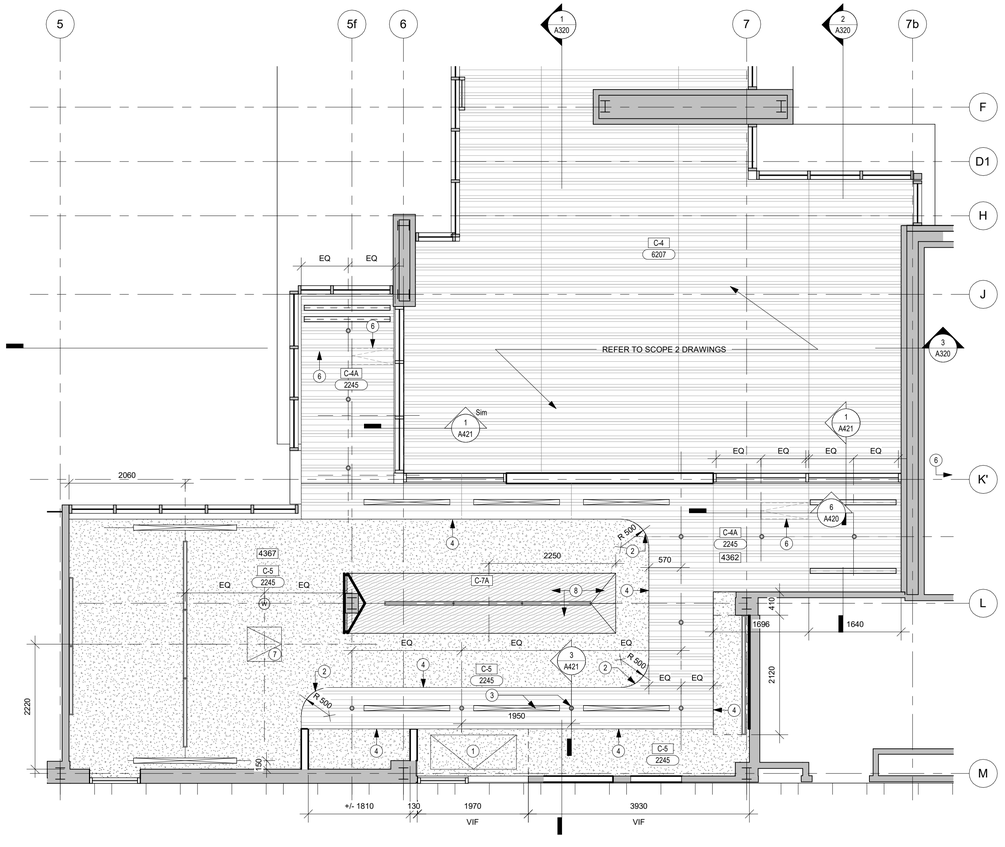


1 A230 FACULTY & STUDENT LOUNGE FLOORPLAN

Scale: 1 : 50

FLOORPLAN DRAWING NOTES

1. EXTENT OF 1HR FIRE RATED FLOOR EXTENSION W/ STRUCTURAL STEEL BELOW AS PER STRUCT. TIE CONTINUITY OF FRR INTO EXISTING ADJACENT FLOOR AND WALL ASSEMBLIES.
2. STC 60/ 1HR FRR GWB PARTITION TO EXTEND FROM T/O NEW CONC SLAB TO U/S ROOF DECK ABOVE.
3. 1 HR FRR GLAZED PARTITION IN 1 HR FRR GWB WALL ASSEMBLY. PROVIDE ADDITIONAL STRUCTURAL SUPPORT IN COLD-FORMED STEEL FRAME AS REQUIRED TO ACCOMMODATE FIRE RATED GLAZING LOAD. C/W FIRE-RATED CORNER FRAME AND FASCIA TO MEET MFG'S FIRE RATING REQUIREMENTS. PROVIDE ADDITIONAL STRUCTURAL CONTINUITY BETWEEN FRAMED ALUMINUM ASSEMBLY AND GWB WALL WITHIN CORNER ASSEMBLY.
4. KITCHEN BASE CABINETS WITH WD VENEER W/ SOLID WD EDGE FRONTS AND 6MM STAINLESS STEEL PLATE COUNTERTOP W/ INTEGRATED SINK.
5. TALL KITCHEN CABINETS WITH PLAM FRONTS. 19MM PLAM GABLES AT OPENINGS FOR REFRIGERATOR, MICROWAVES.
6. HARVEST TABLE. PLAM LAMINATED TO TOP AND BOTTOM OF 38mm EXPOSED-EDGE HARDWOOD PLYWOOD SUPPORTED ON WALL-MOUNTED BRACKETS. REFER TO INTERIOR ELEVATIONS FOR SPACING, WALL SECTION FOR CONNECTION DETAILS.
7. WALL-MOUNTED BAR COUNTERTOPS. PLAM LAMINATED TOP TOP AND BOTTOM OF 38mm EXPOSED-EDGE HARDWOOD PLYWOOD SUPORTDE ON WALL-MOUNTED BRACKETS. REFER TO INTERIOR ELEVATIONS FOR SPACING, WALL SECTION FOR CONNECTION DETAIL.
8. WELDED HSS STAINLESS TUBE STEEL GUARD EXTENSION ANCHORED TO EXISTING MASONRY GUARD TO MEET GUARD LOADING REQUIREMENTS OF OBC 2024. REFER TO A500.
9. WASTE STORAGE UNIT, TO BE SUPPLIED BY CLIENT, APPROX 2' X 4'
10. TWO ROWS OF STAINLESS STEEL SHELVING ABOVE, WALL TO TALL CABINET. W/ INTEGRATED LIGHTING BELOW LOWER SHELF. REFER TO MILLWORK DRAWINGS.
11. INTEGRATED STAINLESS STEEL SINK IN STAINLESS STEEL COUNTER. ACCESSIBLE FAUCET WITH WATER DISPENSER.
12. WD VENEER WALL PANEL COLUMN SURROUND. 19mm WOOD VENEER PANEL ON FIRE-RATED MDF CORE W/ 3mm SOLID WOOD EDGING. WD VENEER INFILL PANEL ON SHORT ENDS INSET 19mm FROM EDGE. PROVIDE STEEL STUD FRAMING AND CLEATS TO FACILITATE HIDDEN ATTACHMENT OF PANELS. MITRED INTO C-7A CEILING PANEL ABOVE. REFER TO MILLWORK DRAWINGS.
13. NEW SCUPPER ROOF DRAIN TO REPLACE EXISTING, CONNECT TO EXISTING DRAIN LINE, PROVIDE WATERPROOFING AROUND NEW DRAIN.
14. NEW LOW-PROFILE PERIMETER RADIATORS. REFER TO MECH.
15. 76X76X9.5MM HSS COLUMN FROM T/O NEW STEEL BEAM BELOW TO STEEL BEAM ABOVE. REFER TO STRUCTURAL.
16. 89X89X9.5MM HSS STEEL BEAM BELOW WINDOW ANCHORED TO MASONRY/CONCRETE WALL W/ VERTICALLY ORIENTED PLATE AND TO HSS COLUMN. REFER TO STRUCTURAL.
17. VERTICALLY ORIENTED PLATE (MAX 92MM WIDE) BOLTED INTO MASONRY WALL W/ WELDED STEEL CONNECTION TO FACILITATE MECHANICAL CONNECTION OF HSS BEAM REFER TO STRUCTURAL.



3 A230 FACULTY & STUDENT LOUNGE RCP

Scale: 1 : 50

RCP DRAWING NOTES

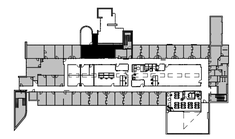
1. 1524MM X 610MM FRAMELESS MUD-IN GWB ACCESS PANEL
2. CURVED GWB BULKHEAD PROFILE TO BE CONSTRUCTED FROM 2 LAYERS OF 1/4" FLEXIBLE GWB, W/ STEEL SUPPORT FRAMING TO CREATE CURVED PROFILE. TYP.
3. ALL CLNG FIXTURES IN WD SLAT CEILING TO FIT WITHIN 3 1/2" SLAT TO SLAT SPACING. NO SLATS WILL BE CUT TO ACCOMMODATE DIFFUSERS/LIGHTS.
4. 1/2" GWB FASCIA TO BRIDGE GAP BETWEEN GWB ON C-5 AND C-4A TYP.
5. NEW FULL-HEIGHT BLACKENED 6MM STEEL PLATE SECURED TO MASONRY WALL W/COUNTERSUNK COLOUR MATCHED FASTENERS.
6. CUSTOM HINGED WOOD SLAT ACCESS PANEL W/ CONCEALED GWB ACCESS PANEL ABOVE. REFER TO SECTION DETAIL.
7. 610MM X 610MM FRAME-LESS MUD-IN GWB ACCESS PANEL. COORDINATE EXACT LOCATION ON SITE W/ MECHANICAL.
8. SLOPED WD VENEER PANEL ON LIGHT GUAGE STEEL FRAMED SUPPORT, SUSPENDED BELOW GWB CEILING. PROVIDE LOCKABLE FRENCH CLEATS FOR HIDDEN FASTENER ATTACHMENT. REGER TO MILLWORK DRAWINGS AND WALL SECTION.

REFLECTED CEILING PLAN LEGEND:

C-1	CEILING ASSEMBLY TYPE		LIGHTING DATA SERVICE (SEE. ELEC.)
XXXX	U/S OF CEILING ELEVATION (MEASURED FROM FIN. FLOOR)		WALL MOUNTED FIXTURE (SEE ELEC)
	GYPSUM WALL BOARD		OCCUPANCY SENSOR (REFER TO ELEC)
	ACOUSTICAL CEILING TILE		LINEAR DIFFUSER (REFER TO MECH)
	PREMANUFACTURED WOOD SLAT PANEL		UNIT HEATER (REFER TO MECH)
	PREFINISHED METAL SOFFIT PANEL	W	WIRELESS ACCESS POINT (REFER TO ELEC)
	GYPSUM WALL BOARD ACCESS PANEL (REFER TO SPEC)	S	SPEAKER LOCATION - PROVIDE WIRE PER ELEC. (REFER TO ELEC).
	LIGHT FIXTURE (SEE ELEC.)		WALLS TO U/S OF CEILING
	EMERGENCY LIGHT		MANUALLY OPERATED [MOTORIZED] BLIND / SHADE
	SUPPLY AIR DIFFUSER (SEE MECH.)		LINEAR LIGHT FIXTURE (SEE ELEC.)
	RETURN AIR DIFFUSER (SEE MECH.)		EXIT SIGN
	RETURN AIR SLOT (SEE MECH.)		

UNIVERSITY OF WATERLOO

KEYPLAN



TRUE NORTH

No.	ISSUANCE	DATE
1	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026.07.17
2	ISSUED FOR BUILDING PERMIT R1	2026.09.17
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4	ISSUED FOR TENDER	2026.11.05

CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 3 - FACULTY + STUDENT LOUNGE PLAN AND RCP (AP-01)

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SEAL

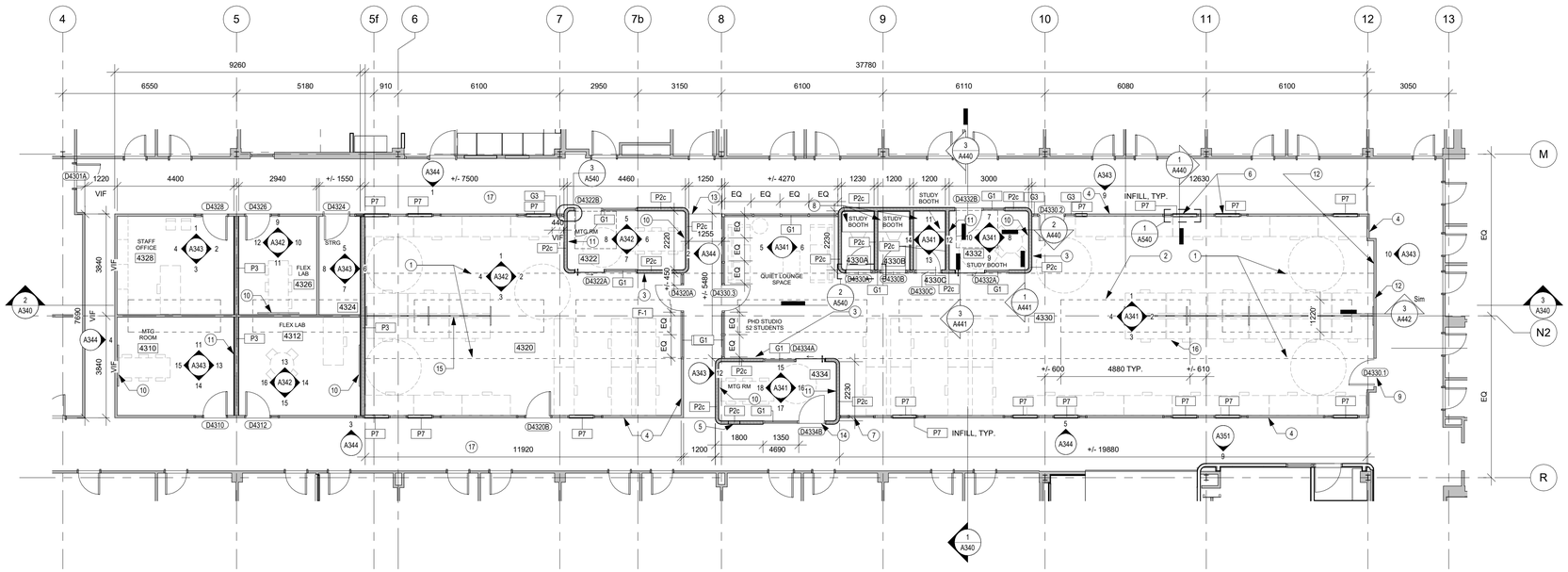
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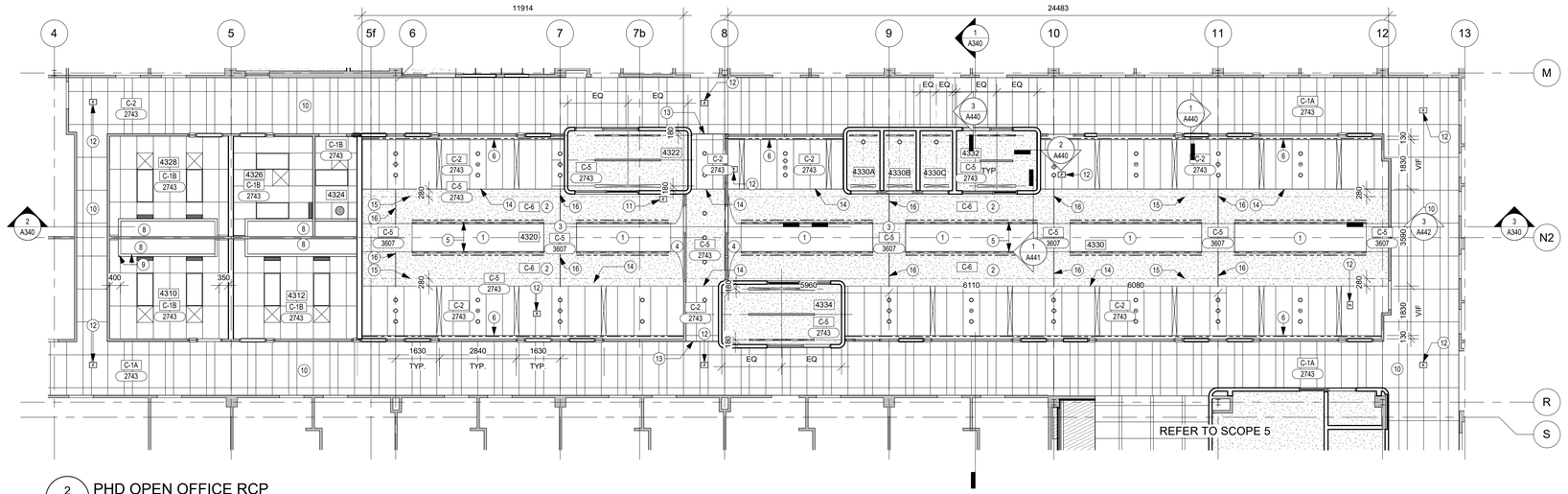
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SHEET NO :

A230



1 A240 PHD OPEN OFFICE FLOORPLAN
Scale: 1 : 100



2 A240 PHD OPEN OFFICE RCP
Scale: 1 : 100

FLOORPLAN DRAWING NOTES

1. EXTENT OF VERTICALLY RADIUSSED GWB CEILING SUN TUNNEL ABOVE.
2. EXTENT OF EXISTING BUBBLE SKYLIGHT TYP.
3. 235MM OUTSIDE RADIUS ON ALL CORNERS OF P2b ASSEMBLY, TYP.
4. EXISTING CORRIDOR-FACING WALL ASSEMBLY TERMINATES AT U/S CEILING. PROVIDE P1 WALL ASSEMBLY FROM T/O EXISTING CORRIDOR WALL ASSEMBLY (INCLUSIVE OF HM SCREENS) TO U/S ROOF DECK ABOVE TO CREATE ACOUSTIC SEPARATION. PROVIDE ACOUSTIC DAMPERS ON ALL DUCT PENETRATIONS THRU NEW WALL ASSEMBLY.
5. RELOCATED FHC RECESSED IN NEW WALL, REFER TO MECH. FOR ROUTING AND FHC SPEC.
6. INFILL EXISTING HM DOOR AND TRANSOM PANEL W/ P7 ASSEMBLY. PROVIDE NEW HM SILL TO COMPLETE EXISTING FRAME - FINISH TO MATCH EXISTING, PROVIDE ACOUSTIC CAULKING AND REVEAL BEAD TO FINISH NEW ASSEMBLY INTO EXISTING FRAME. PROVIDE NEW PAINT ON EXISTING HM FRAME. REFER TO ASSEMBLY, TYP FOR ALL REMAINING EXISTING DOOR OPENING IN PHD STUDIO.
7. INFILL EXISTING HM DOOR AND TRANSOM PANEL W/ DOUBLE GLAZED TEMPERED GLASS. PROVIDE NEW HM SILL - FINISH TO MATCH EXISTING TO COMPLETE EXISTING FRAME, ACOUSTIC CAULKING AT PERIMETER. NEW PAINT FOR EXISTING HM FRAME.
8. BUILT-IN WALL-MOUNTED WORK DESK. 38mm THICK EXPOSED-EDGE HARDWOOD PLYWOOD W/ PLAM ON TOP AND BOTTOM. SUPPORTED ON CONCEALED 50mm X 50mm X 6mm CONT. STEEL POWDER COATED ANGLE FASTENED TO SURROUNDING WALLS.
9. NEW HM DOOR & FRAME IN EXISTING WALL.
10. PROVIDE SOLID BLOCKING FOR WALL MOUNTED TV, SUPPLIED BY OWNER, TV AND MOUNT INSTALLED BY CONTRACTOR. HUBBLE BOX TO BE LOCATED 1320mm AFF.
11. 1200mm X 1800mm WALL-MOUNTED WHITEBOARD, PROVIDE SOLID BLOCKING.
12. EXISTING FHC IN WALL
13. FLOOR TRANSITION STRIP.
14. PROVIDE FLOOR TRANSITION STRIP AT TRANSITION BETWEEN FLOORING MATERIALS, INCLUDING AT ALL ENTRANCES TO MEETING ROOMS, STUDY BOOTHS, STORAGE ROOMS, FLEX LABS, AND OFFICES, TYP.
15. 6-POD FLOOR MOUNTED FREE-STANDING POWER AND DATA DISTRIBUTION BEAM FED THROUGH WALL. BEAM COMPRISED OF FOUR (4) MODULES: 66"W x 24"H, 36"W x 24"H, 42"W x 24"H, 42"W x 24"H. PERPENDICULAR SUPPORT LEG AT ENDS AND EVERY 2 MODULES, PROVIDE TAMPER-PROOF ANCHORAGE TO FLOOR BELOW. REFER TO ELECTRICAL FOR POWER AND DATA REQUIREMENTS, APPENDIX FOR LAYOUT.
16. 12-POD FLOOR MOUNTED FREE-STANDING POWER AND DATA DISTRIBUTION BEAM FED THROUGH WALL. BEAM COMPRISED OF EIGHT (8) MODULES: 66"W x 24"H, 36"W x 24"H, 42"W x 24"H, 42"W x 24"H, 66"W x 24"H, 36"W x 24"H, 42"W x 24"H, 42"W x 24"H. PERPENDICULAR SUPPORT LEGS AT ENDS AND EVERY 2 MODULES, PROVIDE TAMPER-PROOF ANCHORAGE TO FLOOR BELOW. REFER TO ELECTRICAL FOR POWER AND DATA REQUIREMENTS, APPENDIX FOR LAYOUT.
17. REFER TO A201 FOR CORRIDOR SCOPE.

RCP DRAWING NOTES

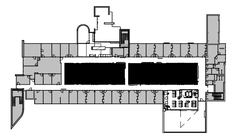
1. EXISTING BUBBLE SKYLIGHT ABOVE, TO BE CLEANED.
2. VERTICALLY RADIUSSED GWB CEILING SUN TUNNEL, FORMING PART OF NEW AIR RETURN PLENUM. SUSPENDED FROM STRUCT. ABOVE. LEVEL 5 DRYWALL FINISH ON EXPOSED SURFACE. ADDITIONAL GWB PARTITION WALL IN CEILING PLENUM TO CREATE RATED PLENUM SPACE CONT. ALONG ENTIRE LENGTH OF RETURN, REFER TO A340 FOR PROFILE AND TO MECH.
3. PATCH NEW GWB BULKHEAD AROUND EXISTING BEAMS INTO NEW C-6 RADIUSSED BULKHEAD ASSEMBLY. LEVEL 5 DRYWALL FINISH. TYP.
4. SLOPED C-5 TYPE GWB CEILING ASSEMBLY, PATCH INTO PROPOSED C-8 RADIUSSED BULKHEAD ASSEMBLY. LEVEL 5 FINISH
5. CONT. RETURN AIR SLOT AND RECESSED LINEAR LIGHT FIXTURE SPANNING FROM BOXED IN BEAM TO BEAM (NOTE 3), LOCATED ON VERTICAL SURFACE OF C8 BULKHEAD, REFER TO A340.TYP.
6. CONT. CEILING COVE SPANNING FULL LENGTH OF ROOM FORMED BY CONT. TRANSITION VECTOR TRIM & PREFABRICATED LIGHT FIXTURE PROFILE. REFER TO WALL SECTION DETAIL AND ELEC. TYP.
7. RESERVED.
8. EXISTING ACRYLIC PANEL SET ON EXIST. ALUM ANGLE FRAME & ALUM TEE TO BE CLEANED, REPLACED IF DAMAGE EXISTS. TYP. CLEAN U/S OF SKYLIGHT PRIOR TO REINSTALLATION OF ACRYLIC PANEL.
9. TIE NEW ACT CEILING INTO EXISTING GWB RETURN AT BASE OF LIGHTWELL. EXIST RETURN 3 5/8" WIDE. TYP. IN ALL ROOMS WHERE EXISTING GWB BULKHEAD REMAINS.
10. [ALT PRICE 3] NEW ACT CEILING IN CORRIDOR. MATCH LAYOUT OF EXISTING GRID. PROVIDE NEW LIGHT FIXTURES, EXISTING AIR DIFFUSERS TO REMAIN. REFER TO ELEC. FOR LIGHT FIXTURE LAYOUT.
11. WALL MOUNTED EXIT SIGN, REFER TO ELEC. PROVIDE SOLID BLOCKING IN WALL.
12. CEILING MOUNTED EXIT SIGN, ENSURE NO CONFLICT WITH DOOR SWING PRIOR TO MOUNTING. REFER TO ELEC.
13. PREFABRICATED ALUMINUM TRANSITION REVEAL STRIP. CONT. ALONG CEILING TRANSITION BTWN CORRIDOR-CEILING ACT AND REVEAL ACT CEILING.
14. PREFABRICATED ALUMINUM TRANSITION REVEAL STRIP. CONT. ALONG CEILING TRANSITION BTWN ACT AND GWB CEILING, TYP.
15. SPRING LINE OF FLAT TO CURVED GWB CEILING TRANSITION
16. DRYWALL CONTROL JOINT ON CURVED GWB BULKHEAD ONLY, NO CONTROL JOINT ON BEAM ENCAPSULATION - C-5.

REFLECTED CEILING PLAN LEGEND:

- C-1 — CEILING ASSEMBLY TYPE
- XXXX — U/S OF CEILING ELEVATION (MEASURED FROM FIN. FLOOR)
- GYPSUM WALL BOARD
- ACOUSTICAL CEILING TILE
- PREMANUFACTURED WOOD SLAT PANEL
- PREFINISHED METAL SOFFIT PANEL
- GYPSUM WALL BOARD ACCESS PANEL (REFER TO SPEC)
- LIGHT FIXTURE (SEE ELEC.)
- EMERGENCY LIGHT
- SUPPLY AIR DIFFUSER (SEE MECH.)
- RETURN AIR DIFFUSER (SEE MECH.)
- RETURN AIR SLOT (SEE MECH.)
- LIGHTING DATA SERVICE (SEE. ELEC.)
- WALL MOUNTED FIXTURE (SEE ELEC)
- OCCUPANCY SENSOR (REFER TO ELEC)
- LINEAR DIFFUSER (REFER TO MECH)
- UNIT HEATER (REFER TO MECH)
- W — WIRELESS ACCESS POINT (REFER TO ELEC)
- S — SPEAKER LOCATION - PROVIDE WIRE PER ELEC. (REFER TO ELEC).
- WALLS TO U/S OF CEILING
- MANUALLY OPERATED [MOTORIZED] BLIND / SHADE
- LINEAR LIGHT FIXTURE (SEE ELEC.)
- EXIT SIGN

UNIVERSITY OF WATERLOO

KEYPLAN



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CLIENT
UNIVERSITY OF WATERLOO
200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT
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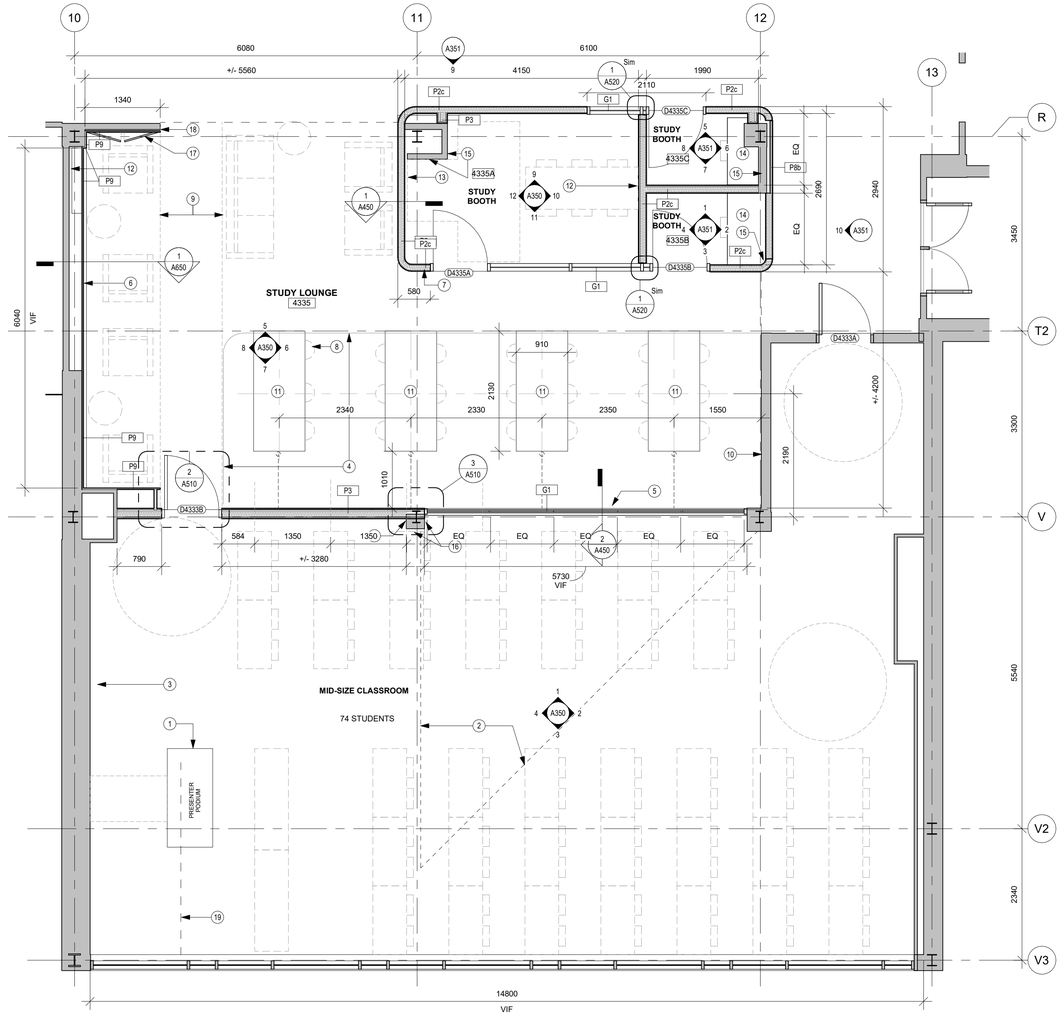
TITLE
SCOPE 4 - PHD OPEN OFFICE PLAN & RCP (AP-02)

architects
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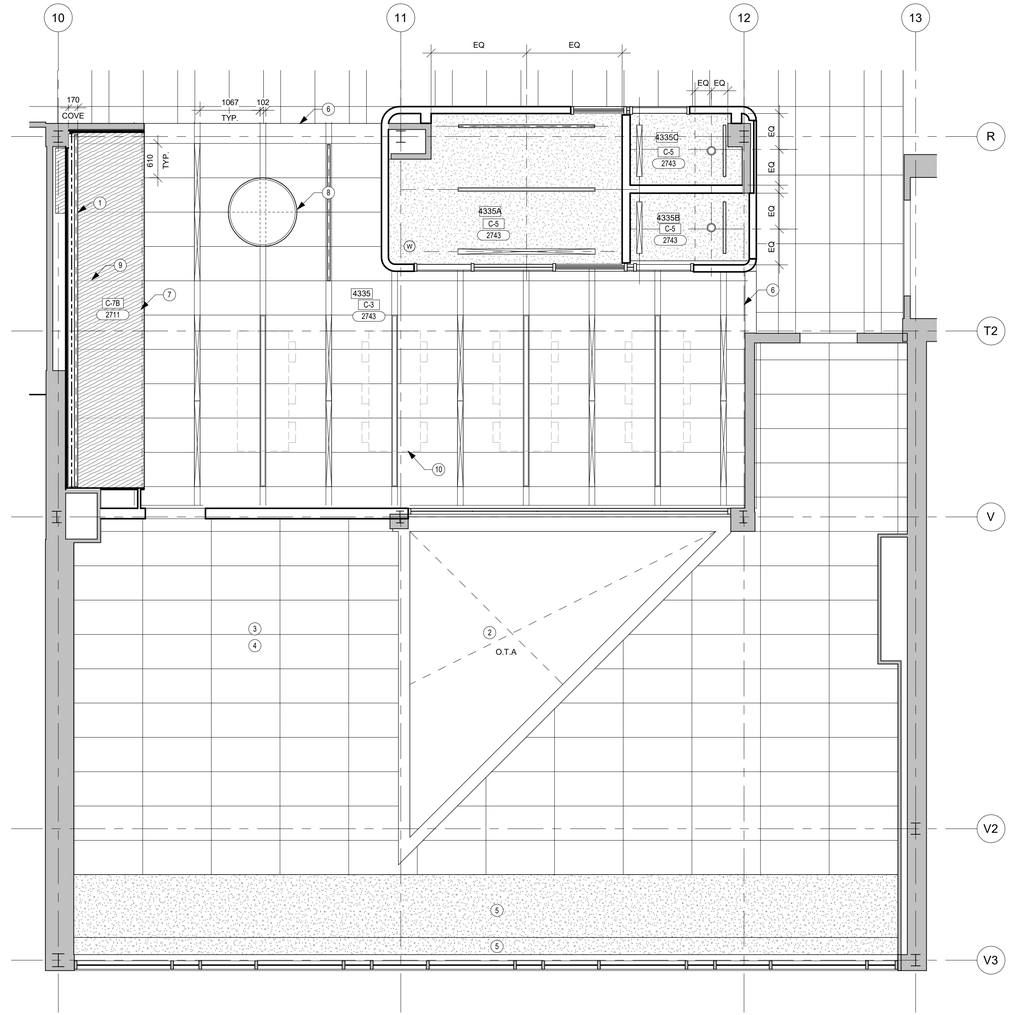
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3 A250 MID SIZE CLASSROOM & STUDY SPACE FLOORPLAN

Scale: 1 : 50



1 A250 MID SIZE CLASSROM & STUDY SPACE RCP

Scale: 1 : 50

FLOORPLAN NOTES

1. HEIGHT ADJUSTABLE PODIUM W/ POWER, DATA AND AV HOOKUP, SUPPLIED BY CLIENT, INSTALLED BY CONTRACTOR. REFER TO ELEC.
2. EXISTING CLERESTORY W/ SKYLIGHT ABOVE SHOWN DASHED
3. EXISTING WHITEBOARD AND PROJECTOR SCREEN TO REMAIN, EXISTING PROJECTOR TO REMAIN. PROVIDE STORAGE FOR UNITS DURING CONSTRUCTION.
4. EXTENT OF FF2 IN OPEN PORTION OF STUDY LOUNGE. PROVIDE FLOOR TRANSITION STRIP AT ALL TRANSITIONS BETWEEN MATERIALS.
5. FRITTED GLASS PATTERN OPAQUE FROM FLOOR LEVEL TO 5'0" AFF, W/ GRADIENT TO TRANSPARENT FROM 5'0" TO TOP OF WALL. STEEL STUD BASE BUILDUP BELOW WALL TO INCORPORATE POWER ON CLASSROOM SIDE, REFER TO ELEC AND WALL SECTION.
6. EXTEND FINISH OF P9 WALL ALONG FULL WIDTH OF WALL ASSEMBLY 180MM ABOVE U/S OF ADJACENT CEILING TO CREATE FINISHED SURFACE FOR SHADOWMOLD COVE FIXTURE, REFER TO ELEC.
7. 235MM OUTSIDE RADIUS ON ALL CORNERS OF P2b ASSEMBLY, TYP.
8. FIXED BOLT-DOWN PEDESTAL STOOLS W/ BACK-RESTS. TYP. QUANTITY 21.
9. DESIGNATED 1100mm EGRESS ROUTE, TO BE KEPT CLEAR AT ALL TIMES
10. REMOVE ONE SIDE OF EXISTING GWB ASSEMBLY. PROVIDE ACOUSTIC BATT INSULATION BETWEEN EXIST. STUDS, RESILIENT CHANNELS AND TYPE X GWB TO CREATE STC 60 ASSEMBLY. PROVIDE P3 ASSEMBLY FROM TOP OF EXISTING WALL TO U/S OF ROOF DECK ABOVE.
11. FIXED COWORKING TABLE WITH INTERGRATED POWER, PROVIDE POWER THROUGH SURFACE-MOUNTED OVER-THE-FLOOR RACEWAY FROM ADJACENT WALL - REFER TO ELEC. TYP. NOTCH FURNITURE AS REQUIRED TO FACILITATE PASSAGE OF OVER-THE-FLOOR RACEWAY THROUGH LEG INTO VERTICAL ELECTRICAL CHACE MOUNTED ON INSIDE OF FURNITURE LEG.
12. PROVIDE SOLID BLOCKING FOR WALL MOUNTED TV, REFER TO INTERIOR ELEVATIONS.
13. 1200mm X 1800mm WALL-MOUNTED WHITEBOARD PROVIDE SOLID BLOCKING, REFER TO INTERIOR ELEVATIONS.
14. 38mm LAIMANTED FURNITURE LINOEUM ON BALTIC BIRCH PLYWOOD DESK, SUPPORTED ON CONCEALED STEEL WALL BRACKETS.
15. MAKE GOOD SURFACE MATCHING ADJACENT GWB FINISH FOLLOWING ANY PATCHING, NEW PAINT ON ALL EXISTING WALLS TYP.
16. PREP SURFACE OF EXISTING COLUMN AND PAINT TO MATCH FINISH OF ADJACENT P3 WALL.
17. PROVIDE ACCESSIBLE PORTION OF MILLWORK PANEL W/ OPERABLE MILLWORK DOOR FOR EXISTING ELECTRICAL PANEL. PROVIDE CONCEALED PIANO HINGES AND SATIN NICKEL CAM LOCKS W/ A RECESSED TAB PULL IN PANEL JOINT. ALIGN HORIZONTAL JOINTS TO HORIZONTAL JOINTS IN ADJACENT WALL.
18. PROVIDE UNIFORM APPEARANCE OF DOUBLE 19mm PANEL (38mm) AT PANEL EDGE FOR FULL HEIGHT OF P9 ASSEMBLY.
19. SURFACE MOUNTED OVER-THE-FLOOR RACEWAY FROM EXTERIOR WALL TO PRESENTER PODIUM. REFER TO ELEC.

RCP NOTES

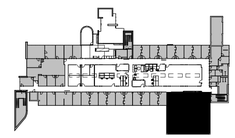
1. CEILING COVE W/ RECESSED LINEAR COVE-LIGHT FIXTURE W/ PREFABRICATED RECESS. LINEAR LIGHT ON HORIZONTAL SURFACE. AIR RETURN ON HIDDEN VERTICAL SURFACE. RETURN AIR OPENING AREA MINIMUM 2.65 SQ.M. REFER TO ELEC, MECH, AND MILLWORK SECTION.
2. EXIST GWB CLERESTORY AND ADJOINING BULKHEADS TO RECIEVE NEW PT FINISH
3. EXIST. ACT CEILING TO REMAIN, PROVIDE NEW LIGHTING PER ELEC. (LIGHTING NOT SHOWN ON RCP)
4. EXISTING WHITEBOARD AND PROJECTOR SCREEN TO REMAIN, EXISTING PROJECTOR TO REMAIN.
5. EXIST GWB BULKHEAD TO RECIEVE NEW PT FINISH, EXITING LIGHTING TO BE REPLACED, REFER TO ELEC. (NOT SHOWN ON RCP)
6. PREFABRICATED ALUMINUM TRANSITION REVEAL STRIP, CONT. ALONG CEILING TRANSITION BTWN CORRIDOR-CEILING AND STUDY LOUNGE.
7. AXIOM TRANSITION TRIM BETWEEN C-3 ASSEMBLY AND C-7B ASSEMBLY, ALIGN GWB FROM C-3 W/ GWB FROM C-7B.
8. SUSPENDED LIGHT FIXTURE AS PER ELEC. SUSPEND LIGHT FIXTURE THROUGH ACT CEILING W/ 3 AIRCRAFT CABLES AS PER MANUFACTURERS REQUIREMENTS. PROVIDE SUPPORT ABOVE CEILING AS REQUIRED.
9. ALIGN WOOD CEILING PANEL JOINTS, AND ASSOCIATED WOOD WALL PANEL JOINTS WITH ACOUSTIC CEILING TILE JOINTS IN C-3
10. LOCATION OF DESKS BELOW SHOWN DASHED, C/L OF TECHZONE ACT

REFLECTED CEILING PLAN LEGEND:

- C-1 — CEILING ASSEMBLY TYPE
- XXXX — U/S OF CEILING ELEVATION (MEASURED FROM FIN. FLOOR)
- GYPSUM WALL BOARD
- ACOUSTICAL CEILING TILE
- PREMANUFACTURED WOOD SLAT PANEL
- PREFINISHED METAL SOFFIT PANEL
- GYPSUM WALL BOARD ACCESS PANEL (REFER TO SPEC)
- LIGHT FIXTURE (SEE ELEC.)
- EMERGENCY LIGHT
- SUPPLY AIR DIFFUSER (SEE MECH.)
- RETURN AIR DIFFUSER (SEE MECH.)
- RETURN AIR SLOT (SEE MECH.)
- LIGHTING DATA SERVICE (SEE. ELEC.)
- WALL MOUNTED FIXTURE (SEE ELEC)
- OCCUPANCY SENSOR (REFER TO ELEC)
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- EXIT SIGN

UNIVERSITY OF WATERLOO

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CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 5 - MID SIZE CLASSROOM + STUDY SPACE

architects
Baird Sampson Neuert

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SEAL

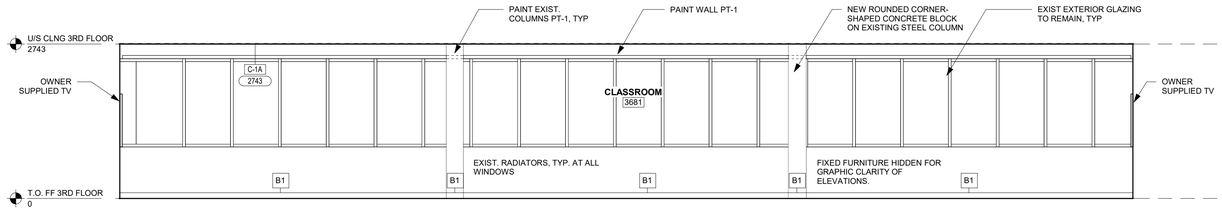
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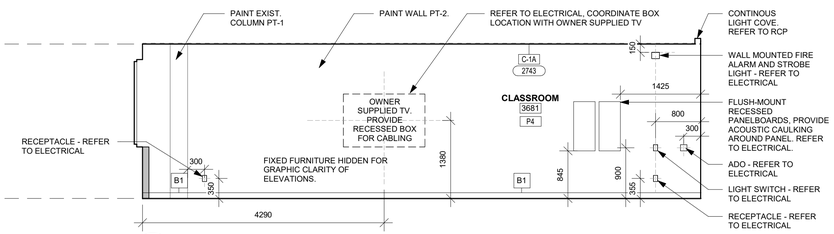
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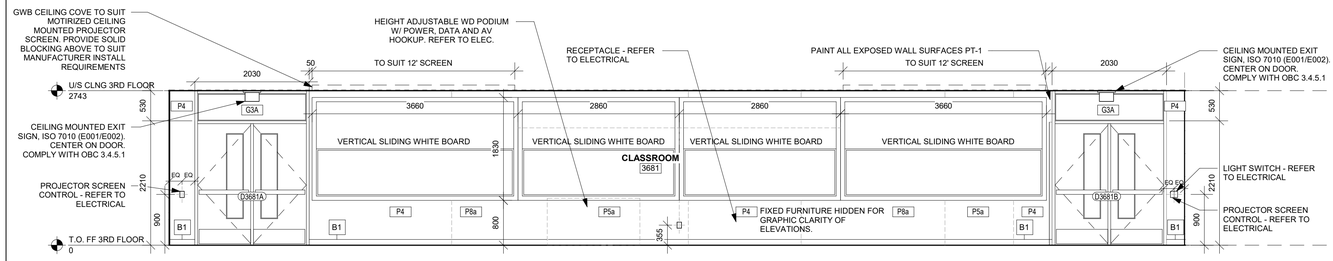
1 A310 WEST ELEVATION - ROOM 3681 - S1 CLASSROOM

Scale: 1 : 50



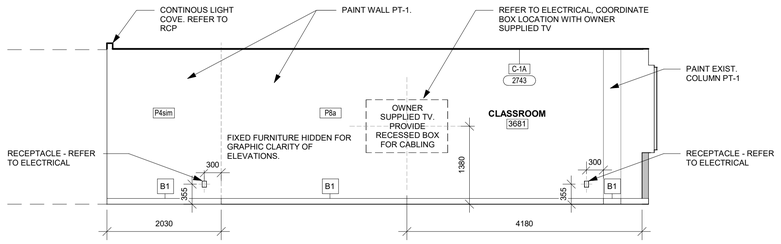
2 A310 NORTH ELEVATION - ROOM 3681 - S1 CLASSROOM

Scale: 1 : 50



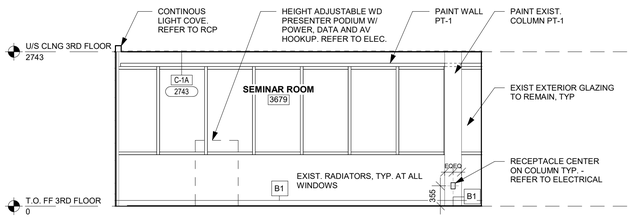
3 A310 EAST ELEVATION - ROOM 3681 - S1 CLASSROOM

Scale: 1 : 50



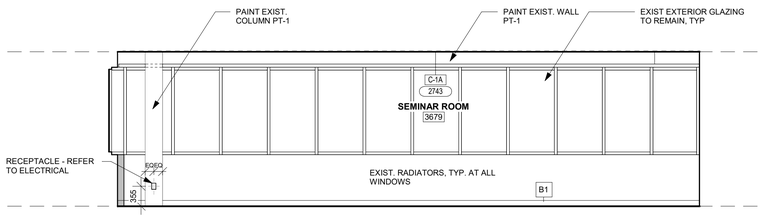
4 A310 SOUTH ELEVATION - ROOM 3681 - S1 CLASSROOM

Scale: 1 : 50



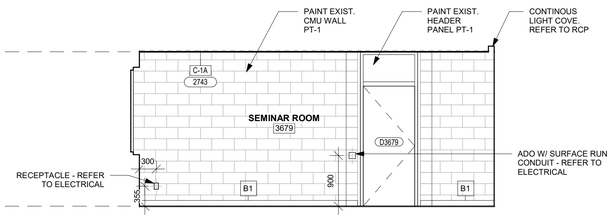
5 A310 WEST ELEVATION - ROOM 3679 - S1 SEMINAR ROOM

Scale: 1 : 50



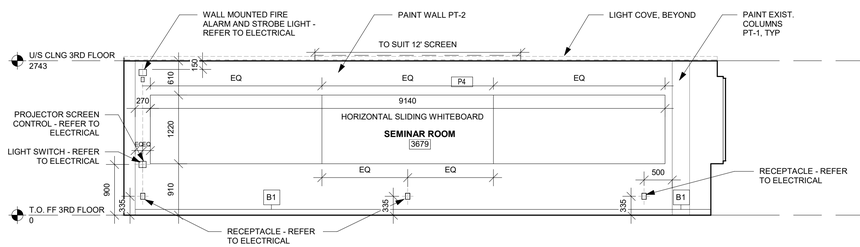
6 A310 NORTH ELEVATION - ROOM 3679 - S1 SEMINAR ROOM

Scale: 1 : 50



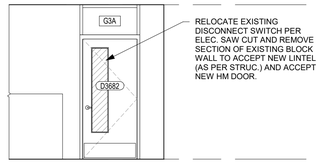
7 A310 EAST ELEVATION - CLASS 3679 - S1 SEMINAR ROOM

Scale: 1 : 50



8 A310 SOUTH ELEVATION - ROOM 3679 - S1 SEMINAR ROOM

Scale: 1 : 50



9 A310 EAST ELEVATION - ROOM 3682 - S1 CLASSROOM - NEW DOOR IN ADJACENT LAB SPACE

Scale: 1 : 50

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KEYPLAN

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3	ISSUED FOR TENDER	2026.11.05

CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

S1 LARGE CLASSROOM AND SEMINAR ROOM INTERIOR ELEVATIONS

architects
Baird Sampson Neuert
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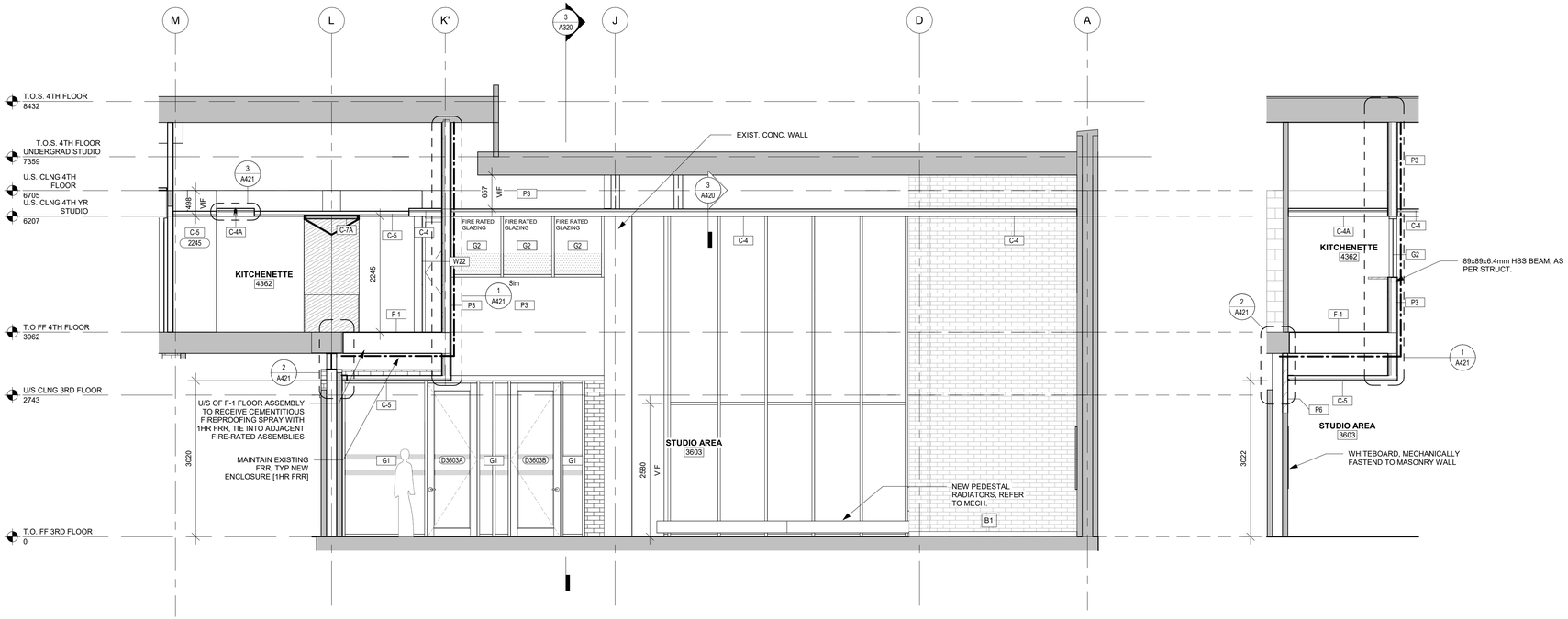
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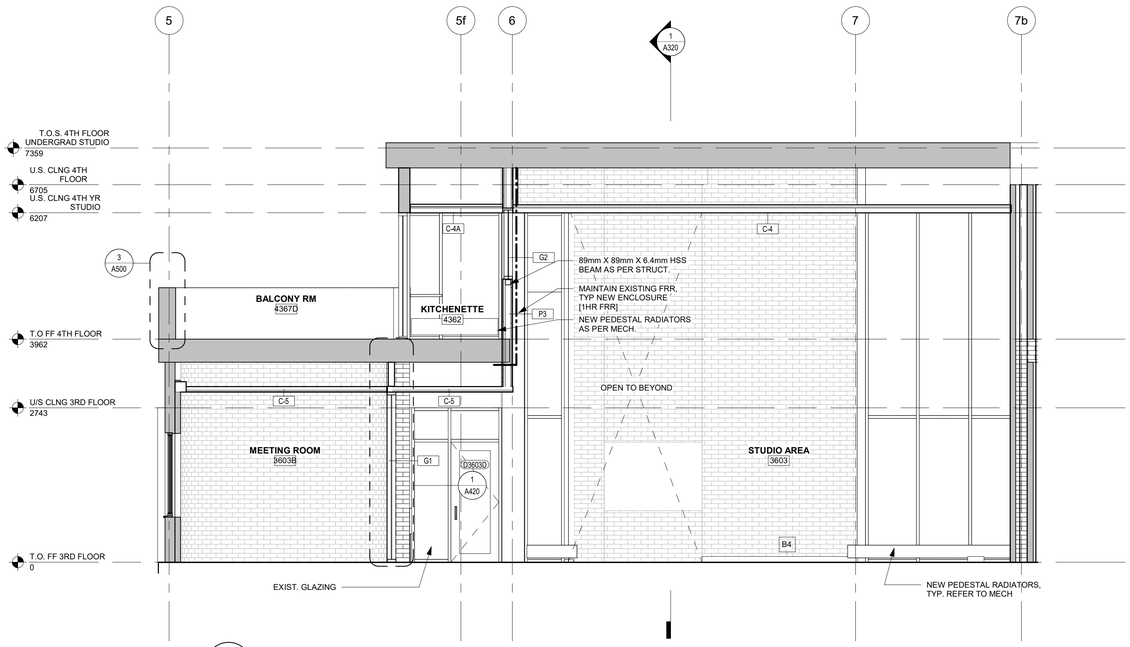
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A310



1 A320 4TH YEAR DESIGN STUDIO AND LOUNGE LONGITUDINAL SECTION - SOLID WALL
Scale: 1 : 50

2 A320 4TH YEAR DESIGN STUDIO AND LOUNGE PARTIAL SECTION - GLAZED WALL & BAR-TOP
Scale: 1 : 50



3 A320 4TH YEAR DESIGN STUDIO AND LOUNGE TRANSVERSE SECTION
Scale: 1 : 50

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

S2 4TH YEAR DESIGN STUDIO SECTIONS (AP-01)

architects
Baird Sampson Neuert

416.363.8877 bsnarchitects.com

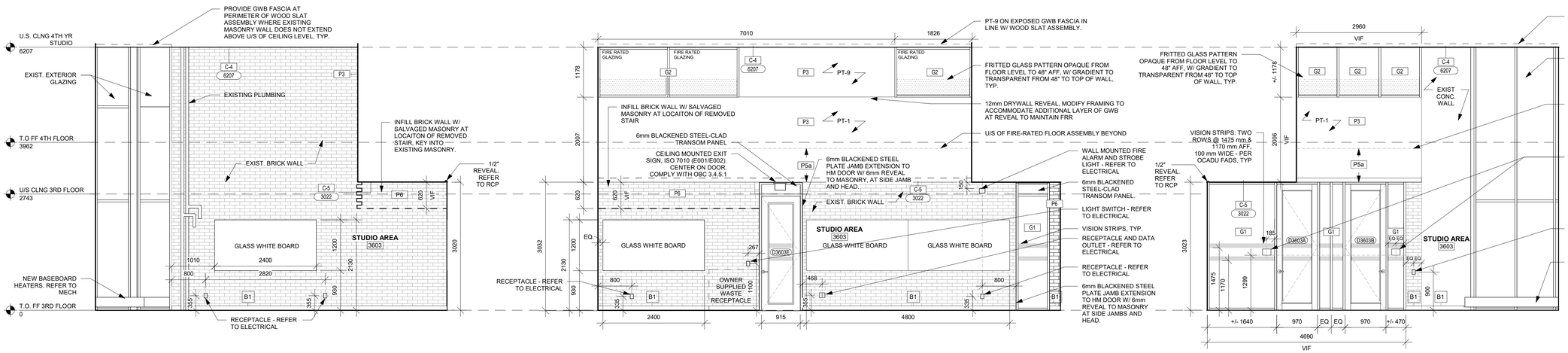
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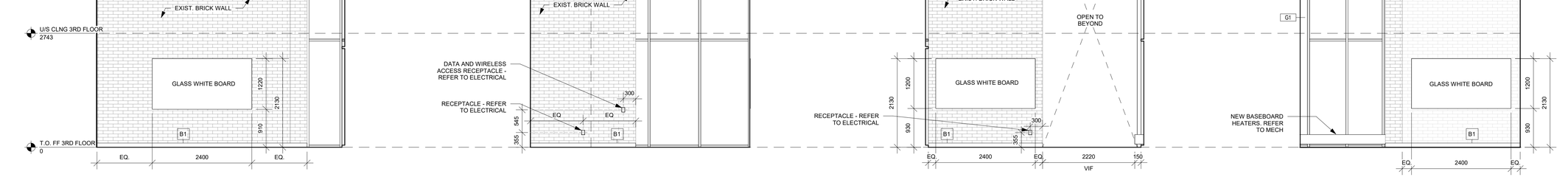
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DATE :	01/08/26		
PROJECT NO :	2024-0711-10		
DRAWN BY :	Author		
CHECKED BY :	Checker		



1 A321 NORTH ELEVATION - 4TH YEAR DESIGN STUDIO
Scale: 1 : 50

2 A321 EAST ELEVATION - 4TH YEAR DESIGN STUDIO
Scale: 1 : 50

3 A321 SOUTH ELEVATION - 4TH YEAR DESIGN STUDIO
Scale: 1 : 50

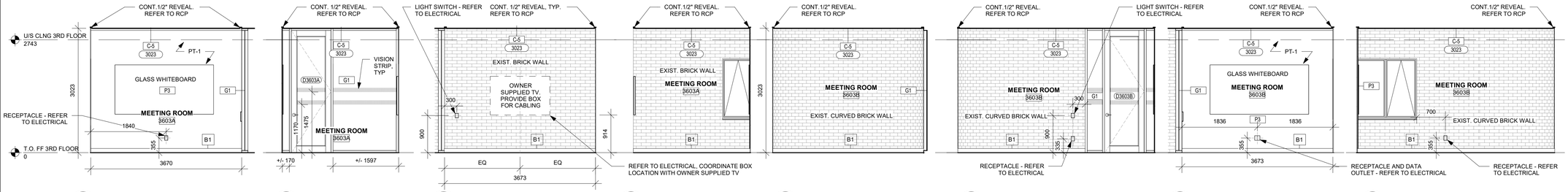


4 A321 WEST ELEVATION - ROOM 3603C
Scale: 1 : 50

5 A321 NORTH ELEVATION - ROOM 3603C
Scale: 1 : 50

6 A321 EAST ELEVATION - ROOM 3603C
Scale: 1 : 50

7 A321 SOUTH ELEVATION - ROOM 3603C
Scale: 1 : 50



8 A321 W ELEV - RM 3603A
Scale: 1 : 50

9 A321 N ELEV - RM 3603A
Scale: 1 : 50

10 A321 E ELEV - RM 3603A
Scale: 1 : 50

11 A321 S ELEV - RM 3603A
Scale: 1 : 50

12 A321 W ELEV - RM 3603B
Scale: 1 : 50

13 A321 N ELEV - RM 3603B
Scale: 1 : 50

14 A321 E ELEV - RM 3603B
Scale: 1 : 50

15 A321 S ELEV - RM 3603B
Scale: 1 : 50

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CLIENT

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

S2 4TH YEAR DESIGN STUDIO INTERIOR ELEVATIONS (AP-01)

Baird Sampson Neuert architects

416.363.8877 bsnarchitects.com

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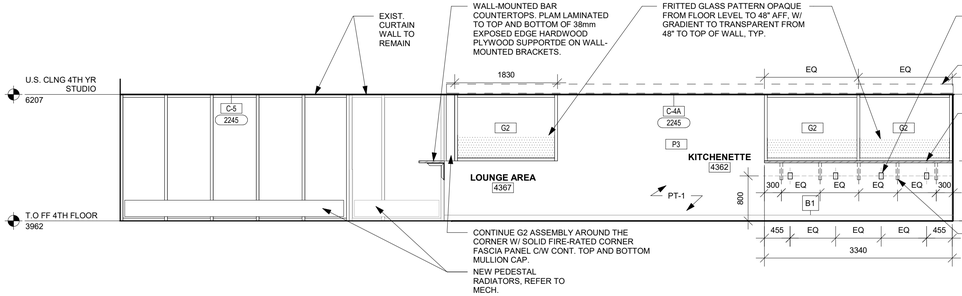
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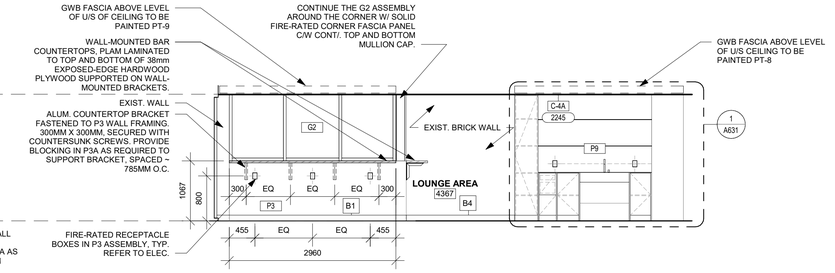
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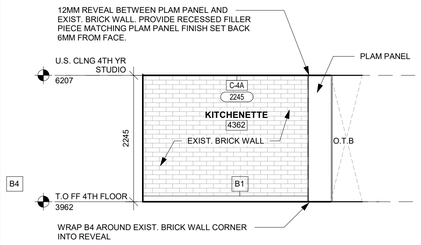
1 A330 WEST ELEVATION - ROOM 4367 & 4362 - S3 FACULTY AND STUDENT LOUNGE

Scale: 1 : 50



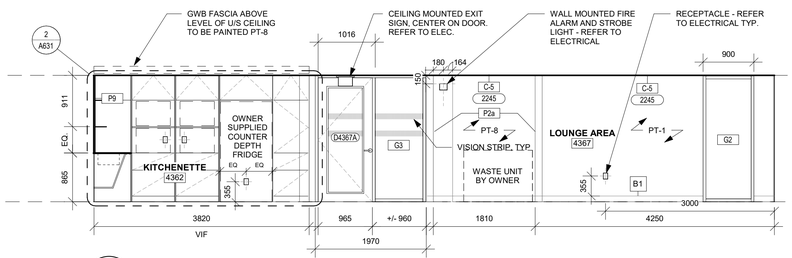
2 A330 NORTH ELEVATION - ROOM 4362 - S3 LOUNGE

Scale: 1 : 50



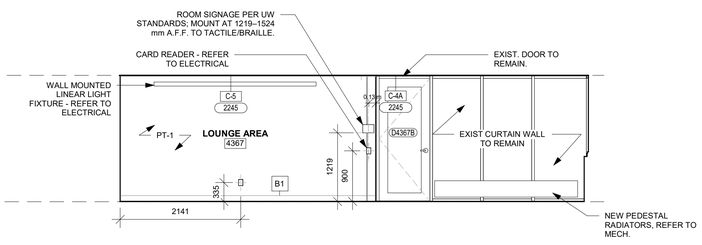
5 A330 EAST ELEVATION - ROOM 4362

Scale: 1 : 50



3 A330 EAST ELEVATION - ROOM 4367 & 4362 - S3 FACULTY AND STUDENT LOUNGE

Scale: 1 : 50



4 A330 SOUTH ELEVATION - ROOM 4367 - S3 LOUNGE

Scale: 1 : 50

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CLIENT

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

S3 FACULTY + STUDENT LOUNGE INTERIOR ELEVATIONS (AP-01)

architects
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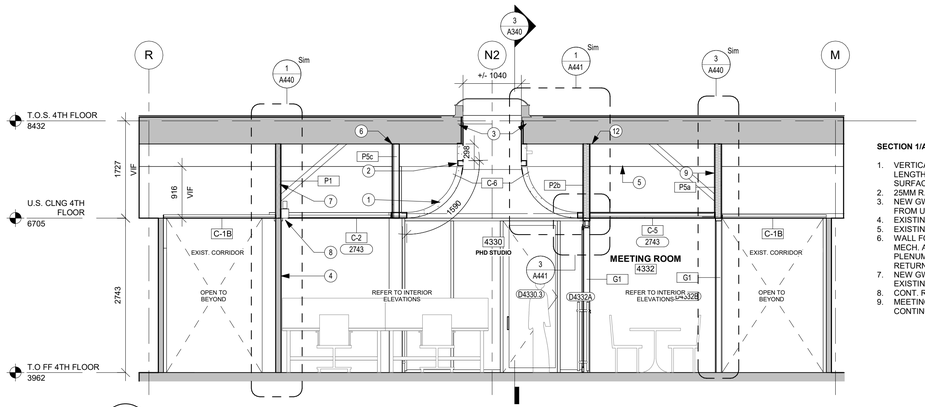
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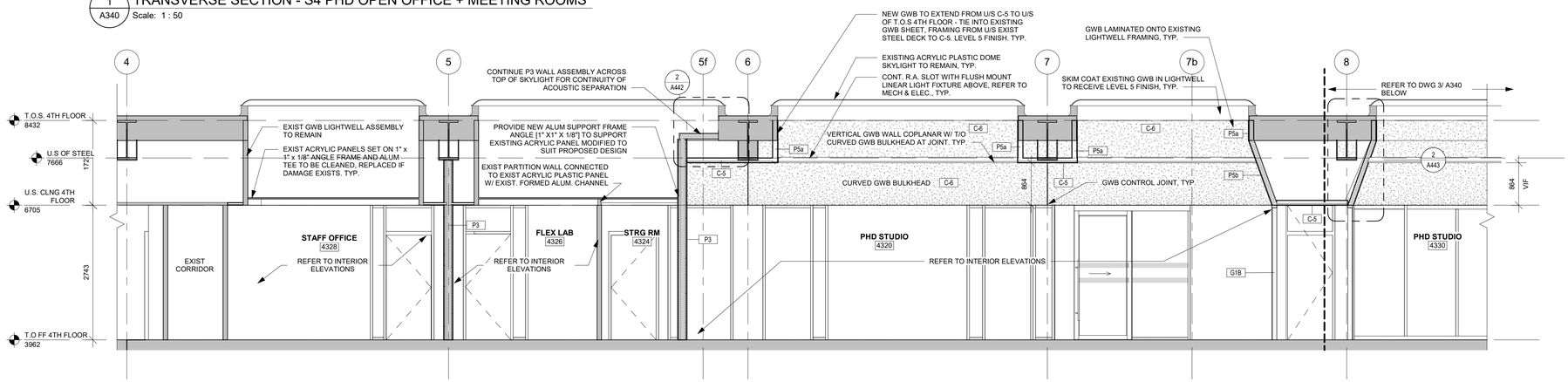


1 A340 TRANSVERSE SECTION - S4 PHD OPEN OFFICE + MEETING ROOMS

Scale: 1 : 50

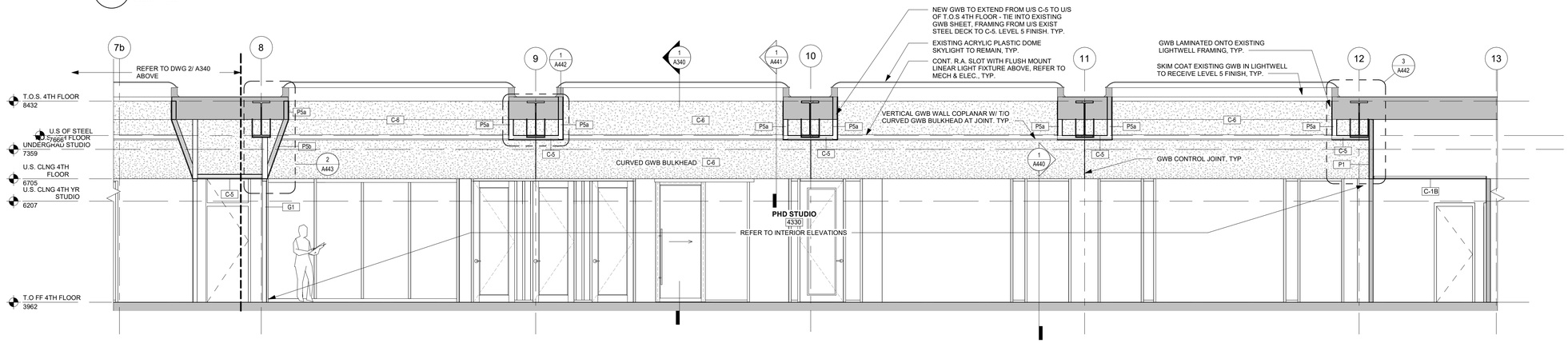
SECTION 1/A340 NOTES

1. VERTICALLY RADIUSED GWB CEILING SUN TUNNEL, FORMING NEW AIR RETURN PLENUM. GWB PLENUM CONTINUOUS FOR LENGTH OF BOTH PHD STUDIO SPACES. SUSPENDED FROM STRUCT. ABOVE. LEVEL 5 DRYWALL FINISH ON EXPOSED GWB SURFACE.
2. 25MM R.A. SLOT WITH FLUSH MOUNT LINEAR LIGHT FIXTURE ABOVE, REFER TO RCP, 1/A441, MECH & ELEC., TYP.
3. NEW GWB TO EXTEND FROM U/S 4TH FLR CLNG TO U/S OF T.O.S 4TH FLOOR - TIE INTO EXISTING GWB SHEET, FRAMING FROM U/S EXIST STEEL DECK TO C-6. LEVEL 5 FINISH. TYP.
4. EXISTING WALL TO REMAIN.
5. EXISTING STRUCTURAL BEAM ENCAPSULATED IN GWB BEYOND.
6. WALL FORMING MECHANICAL RETURN PLENUM. CONTINUOUS ALONG FULL LENGTH OF BOTH PHD STUDIOS - REFER TO MECH. ASSEMBLY IS P2B ABOVE MEETING ROOMS, P5C ELSEWHERE. CONNECT TO EXISTING STRUCTURE ABV. REFER TO PLENUM PHOTO ON A140. DRYWALL JOINTS (NEW & EXISTING) ON PLENUM SIDE TO BE TAPED TO FORM AIR-TIGHT RETURN AIR PLENUM.
7. NEW GWB WALL TO CONNECT EXISTING WALL TO U/S ROOF DECK W/ ACOUSTIC SEPARATION & PROVIDE BRACING TO EXISTING WALL ASSEMBLY BELOW, TYP FOR ALL CORRIDOR WALLS IN BOTH OPEN PHD STUDIOS.
8. CONT. RECESSED LINEAR COVE LIGHT FIXTURE W/ PREFABRICATED EDGE TRIM TO TERMINATE CEILING ASSEMBLY
9. MEETING ROOM POD WALL TO TRANSFORM TO TAGGED ASSEMBLY ABOVE U/S CLNG ELEVATION. METAL STUDS TO CONTINUE FROM T/O FIN FLOR TO U/S STEEL DECK ABOVE. TYP.



2 A340 LONGITUDINAL SECTION - S4 PHD OPEN OFFICE + MEETING ROOMS

Scale: 1 : 50



3 A340 LONGITUDINAL SECTION CONT - S4 PHD OPEN OFFICE + MEETING ROOMS

Scale: 1 : 50

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

S4 PHD OPEN OFFICE SECTIONS (AP-02)

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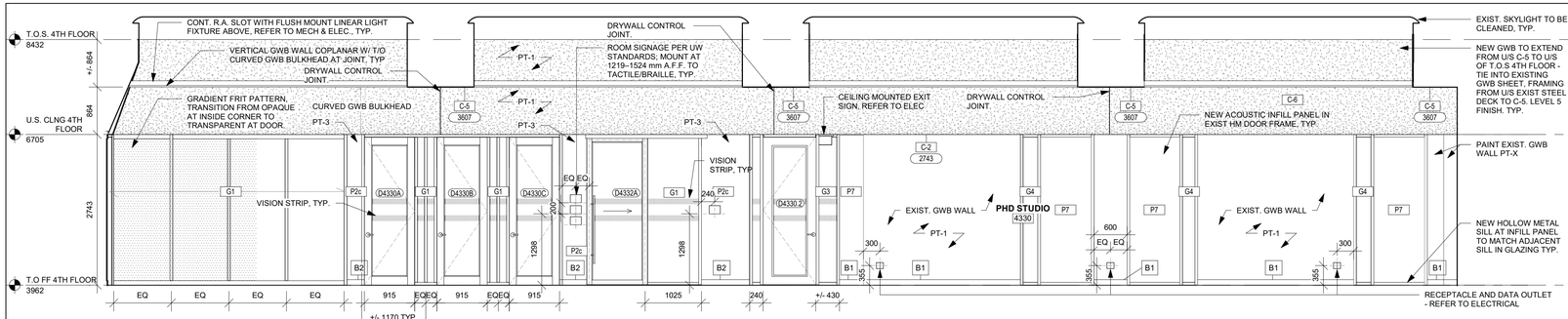
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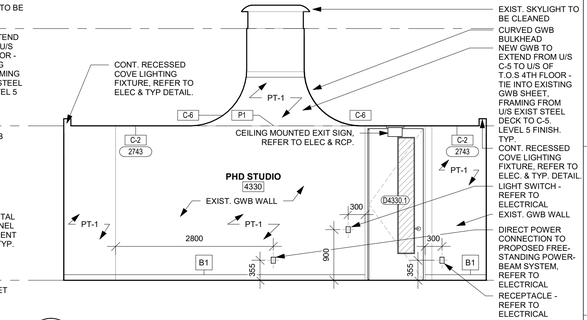
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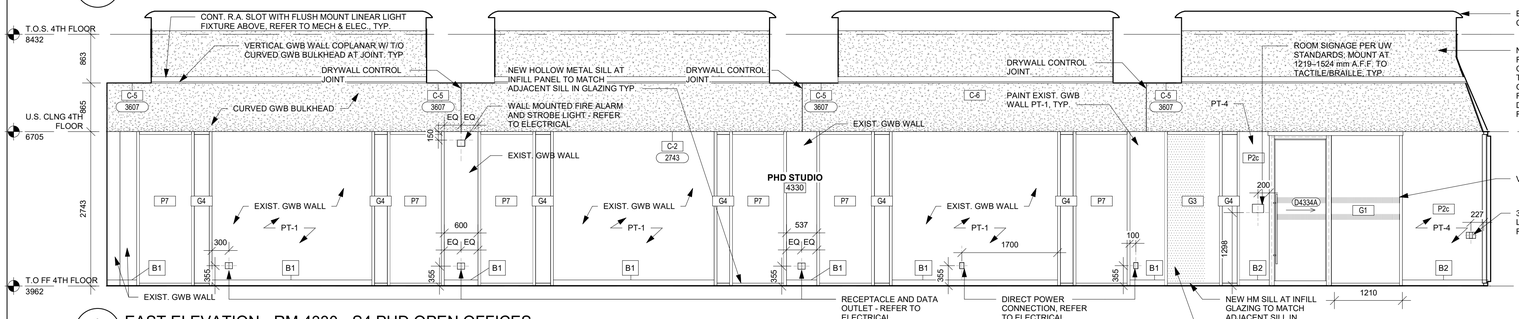
1 A341 WEST ELEVATION - RM 4330 - S4 PHD OPEN OFFICES

Scale: 1 : 50



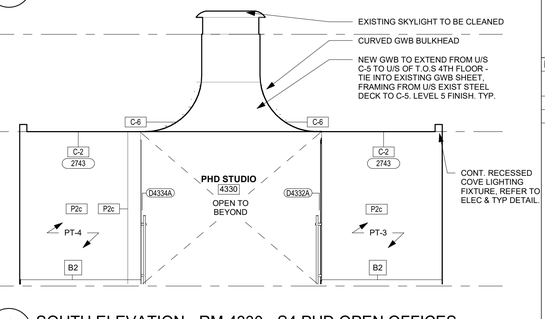
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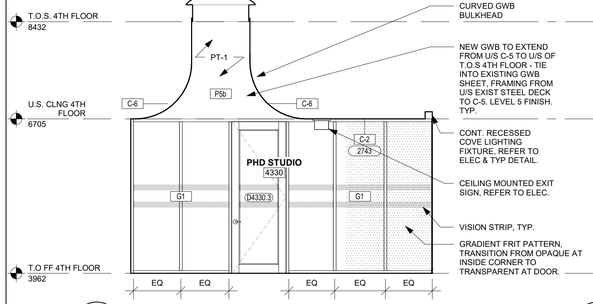
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Scale: 1 : 50



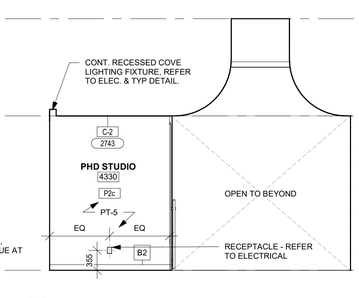
4 A341 SOUTH ELEVATION - RM 4330 - S4 PHD OPEN OFFICES

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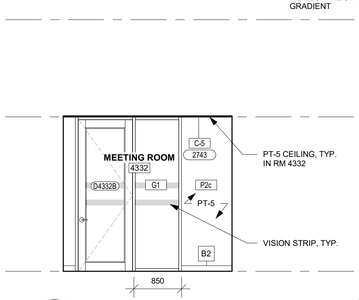
5 A341 SOUTH ELEVATION 2 - RM 4330 - S4 PHD OPEN OFFICE

Scale: 1 : 50



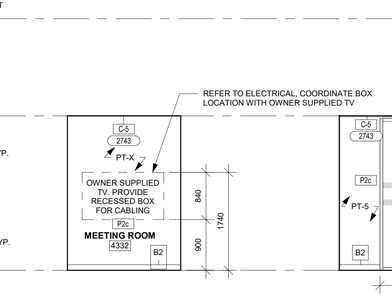
6 A341 NORTH ELEVATION 2 - RM 4330a EXTERIOR

Scale: 1 : 50



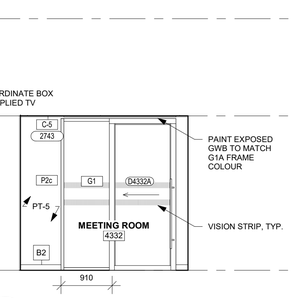
7 A341 WEST ELEVATION - RM 4332

Scale: 1 : 50



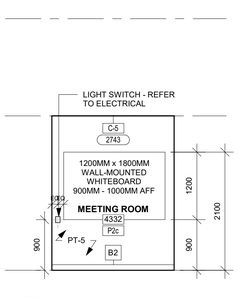
8 A341 NORTH ELEVATION - RM 4332

Scale: 1 : 50



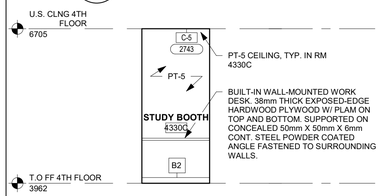
9 A341 EAST ELEVATION - RM 4332

Scale: 1 : 50



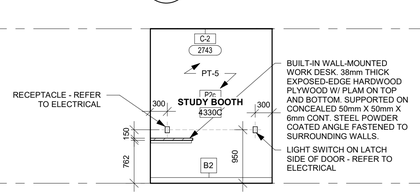
10 A341 SOUTH ELEVATION - RM 4332

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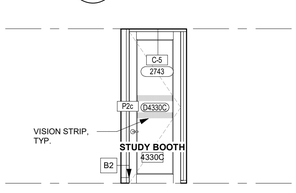
11 A341 WEST ELEVATION - RM 4330 A-C TYP.

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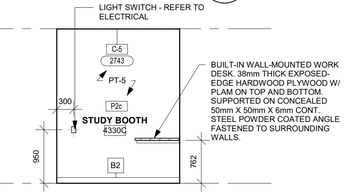
12 A341 NORTH ELEVATION - RM 4330 A-C TYP.

Scale: 1 : 50



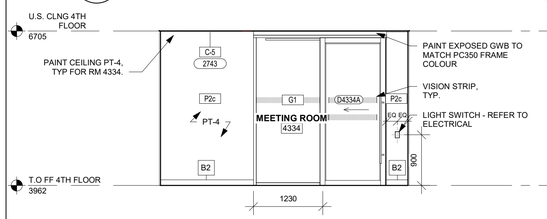
13 A341 EAST ELEVATION - RM 4330 A-C TYP.

Scale: 1 : 50



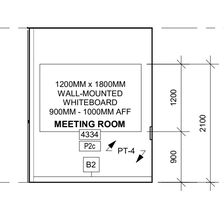
14 A341 SOUTH ELEVATION - RM 4330 A-C TYP.

Scale: 1 : 50



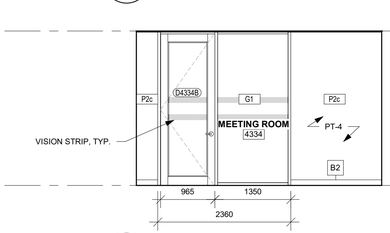
15 A341 WEST ELEVATION - RM 4334

Scale: 1 : 50



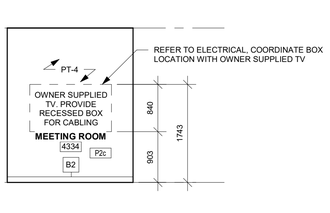
16 A341 NORTH ELEVATION - RM 4334

Scale: 1 : 50



17 A341 EAST ELEVATION - RM 4334

Scale: 1 : 50



18 A341 SOUTH ELEVATION - RM 4334

Scale: 1 : 50

UNIVERSITY OF WATERLOO

KEYPLAN

No.	ISSUANCE	DATE
1	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026.07.17
2	ISSUED FOR 90% CD	2026.09.29
3	ISSUED FOR TENDER	2026.11.05

CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

S4 PHD OPEN OFFICE INTERIOR ELEVATIONS (AP-02)

architects
Baird Sampson Neuert

416.363.8877 bsnarchitects.com

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
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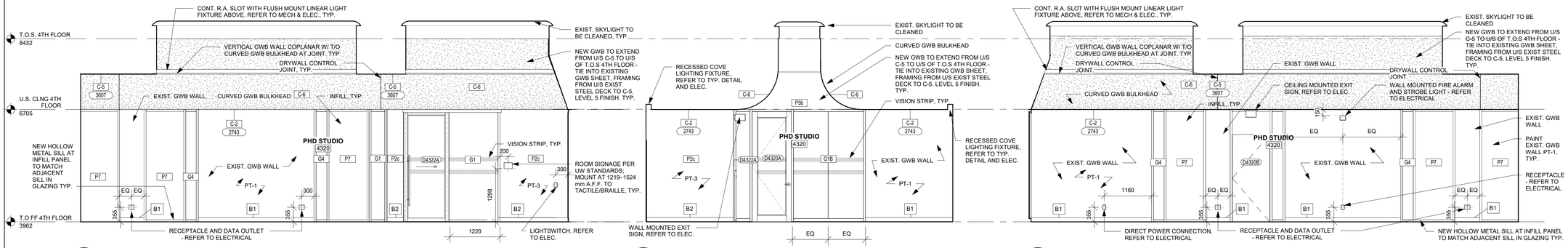
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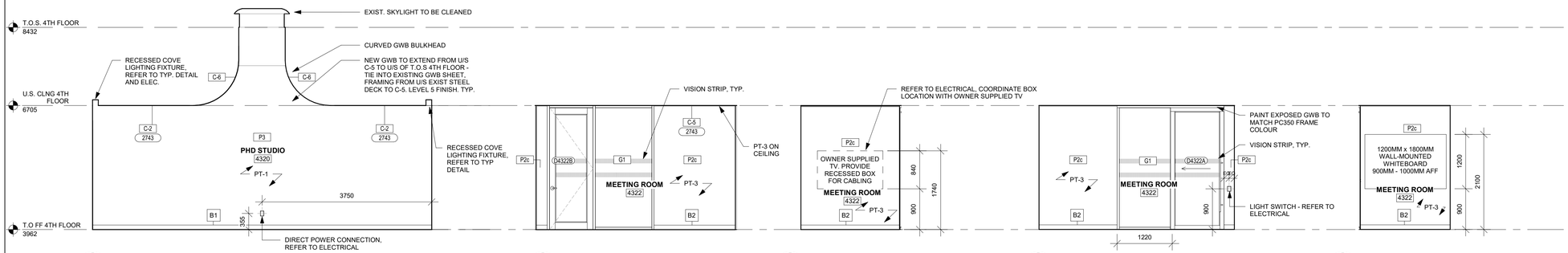
A341



1 A342 WEST ELEVATION - RM 4320 - S4 PHD OPEN OFFICES
Scale: 1 : 50

2 A342 NORTH ELEVATION - RM 4320 - S4 PHD OPEN OFFICES
Scale: 1 : 50

3 A342 EAST ELEVATION - RM 4320 - S4 PHD OPEN OFFICES
Scale: 1 : 50



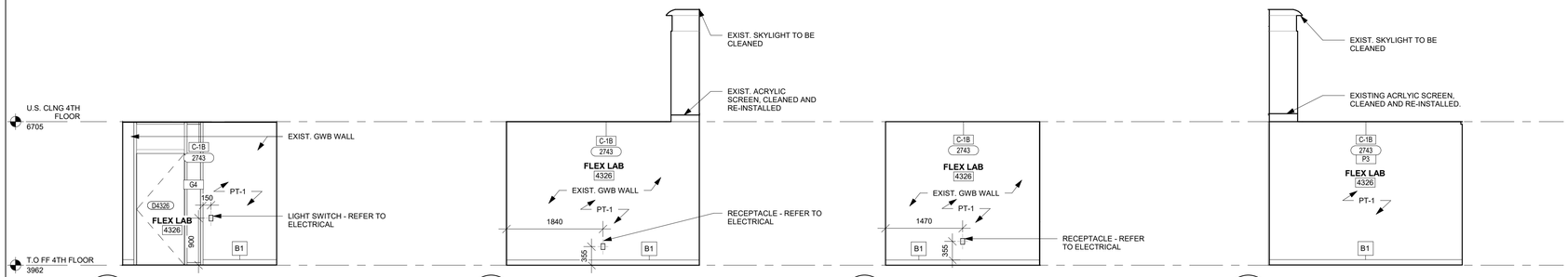
4 A342 SOUTH ELEVATION - RM 4320 - S4 PHD OPEN OFFICES
Scale: 1 : 50

5 A342 WEST ELEVATION - RM 4322
Scale: 1 : 50

6 A342 NORTH ELEVATION - RM 4322
Scale: 1 : 50

7 A342 EAST ELEVATION - RM 4322
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8 A342 SOUTH ELEVATION - RM 4322
Scale: 1 : 50

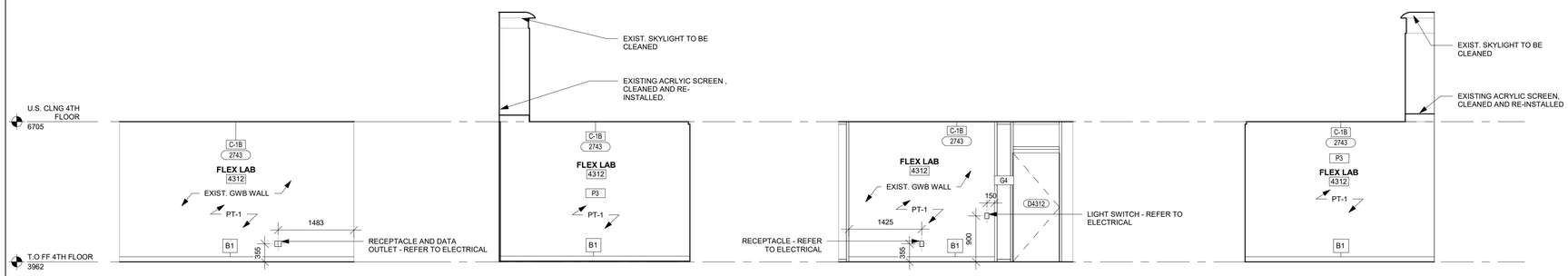


9 A342 WEST ELEVATION - RM 4326
Scale: 1 : 50

10 A342 NORTH ELEVATION - RM 4326
Scale: 1 : 50

11 A342 EAST ELEVATION - RM 4326
Scale: 1 : 50

12 A342 SOUTH ELEVATION - RM 4326
Scale: 1 : 50



13 A342 WEST ELEVATION - RM 4312
Scale: 1 : 50

14 A342 NORTH ELEVATION - RM 4312
Scale: 1 : 50

15 A342 EAST ELEVATION - RM 4312
Scale: 1 : 50

16 A342 SOUTH ELEVATION - RM 4312
Scale: 1 : 50

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KEYPLAN

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CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

S4 PHD OPEN OFFICE INTERIOR ELEVATIONS (AP-02)

architects
Baird Sampson Neuert
416.363.8877 bsnarchitects.com

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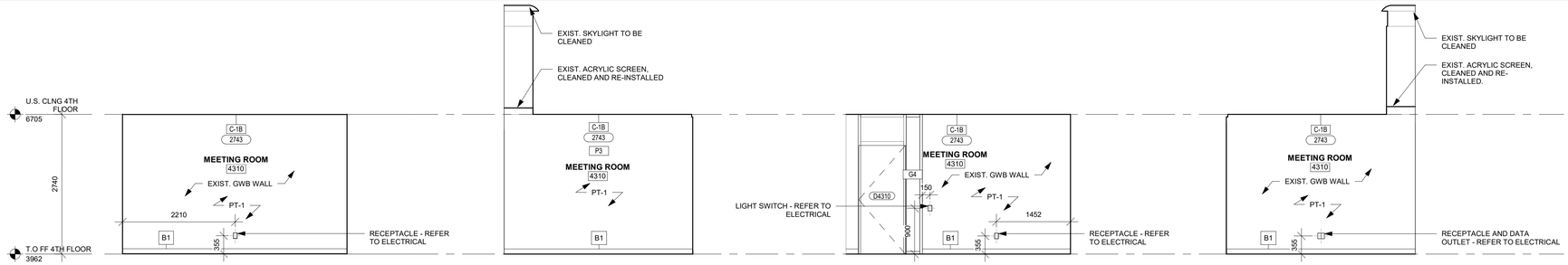
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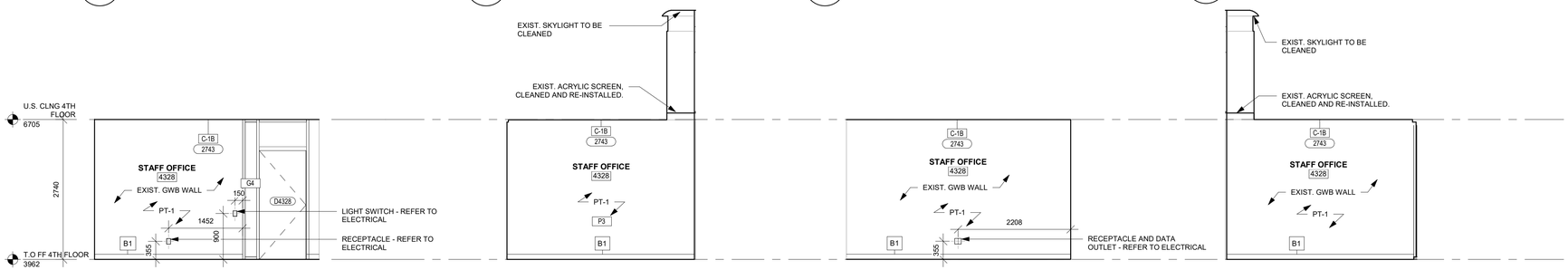


11 A343 WEST ELEVATION - RM 4310
Scale: 1 : 50

13 A343 NORTH ELEVATION - RM 4310
Scale: 1 : 50

14 A343 EAST ELEVATION - RM 4310
Scale: 1 : 50

15 A343 SOUTH ELEVATION - RM 4310
Scale: 1 : 50

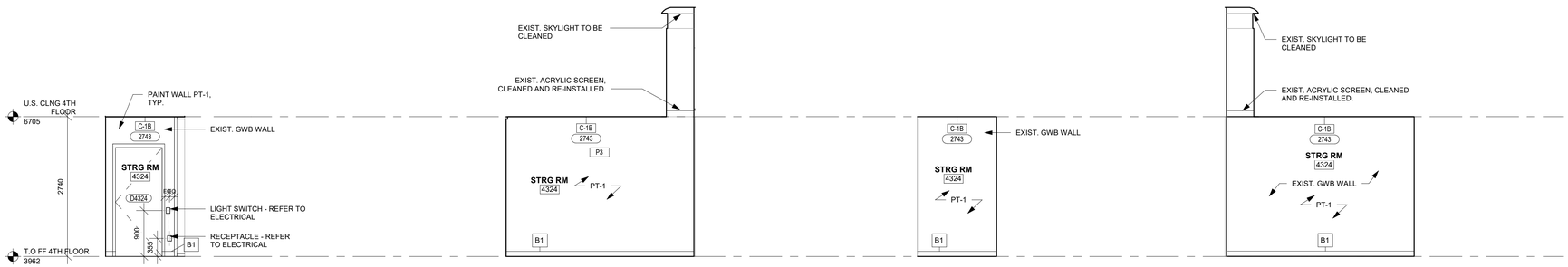


1 A343 WEST ELEVATION - RM 4328
Scale: 1 : 50

2 A343 NORTH ELEVATION - RM 4328
Scale: 1 : 50

3 A343 EAST ELEVATION - RM 4328
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4 A343 SOUTH ELEVATION - RM 4328
Scale: 1 : 50

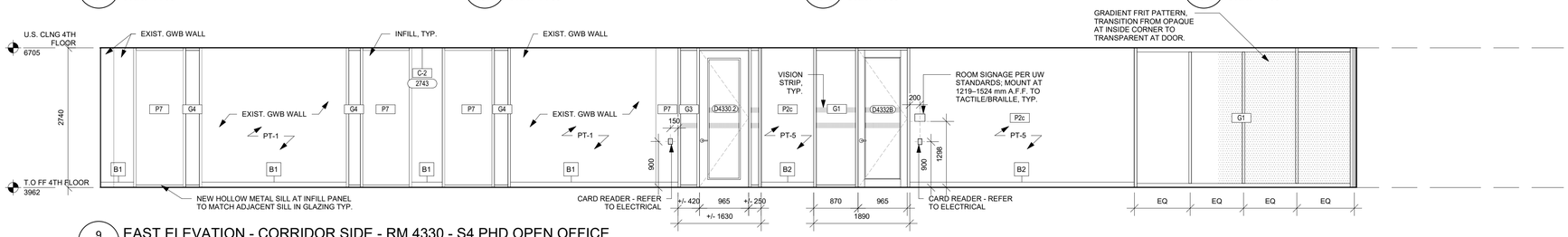


5 A343 WEST ELEVATION - RM 4324
Scale: 1 : 50

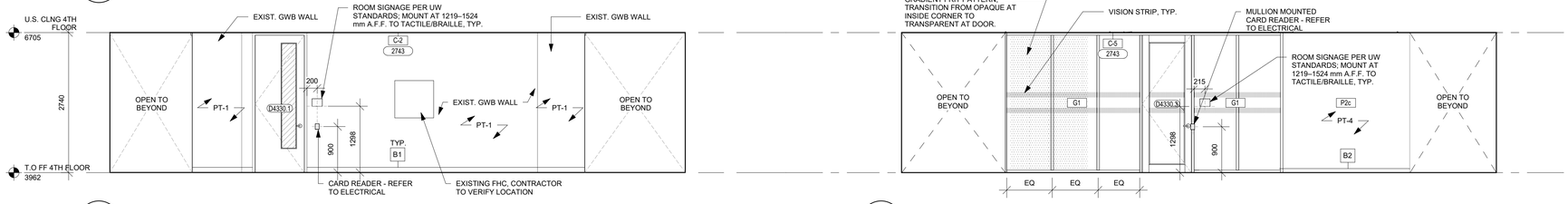
6 A343 NORTH ELEVATION - RM 4324
Scale: 1 : 50

7 A343 EAST ELEVATION - RM 4324
Scale: 1 : 50

8 A343 SOUTH ELEVATION - RM 4324
Scale: 1 : 50



9 A343 EAST ELEVATION - CORRIDOR SIDE - RM 4330 - S4 PHD OPEN OFFICE
Scale: 1 : 50



10 A343 SOUTH ELEVATION - CORRIDOR SIDE - RM 4330 - S4 PHD OPEN OFFICE
Scale: 1 : 50

12 A343 NORTH ELEVATION - CORRIDOR SIDE - RM 4330 EXTERIOR - S4 PHD OPEN OFFICE
Scale: 1 : 50

GENERAL NOTE: [ALTERNATE PRICE 03] SUBSTITUTE ALL CORRIDOR-FACING BASEBOARDS ON 4TH FLOOR CORRIDOR W/ B3

UNIVERSITY OF WATERLOO

KEYPLAN

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CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

S4 PHD OPEN OFFICE INTERIOR ELEVATIONS (AP-02)

architects
Baird Sampson Neuert

416.363.8877 bsnarchitects.com

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS
RUSLAN IVANYTSKYY
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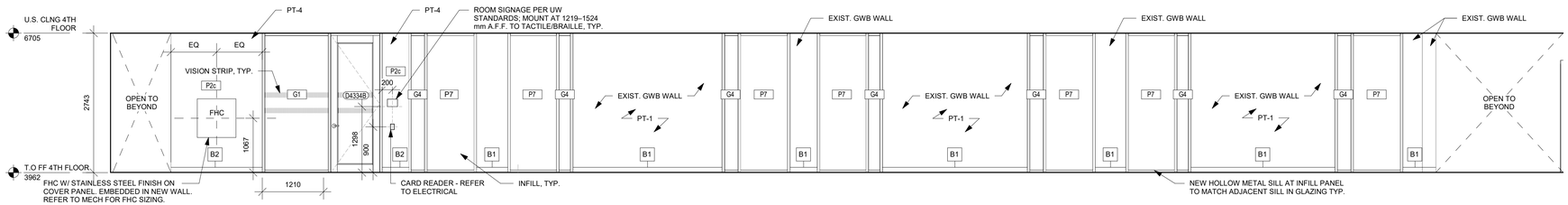
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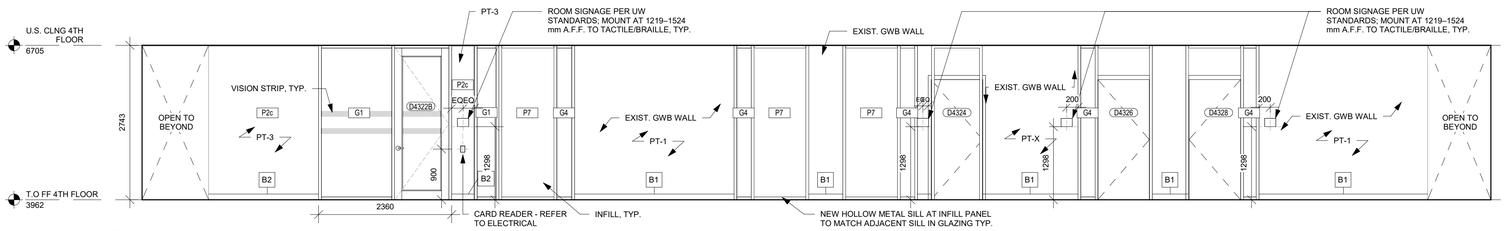
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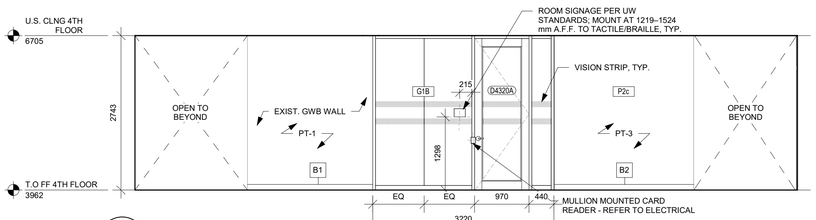
5 A344 WEST ELEVATION - CORRIDOR SIDE - RM 4330 - S4 PHD OPEN OFFICE

Scale: 1 : 50



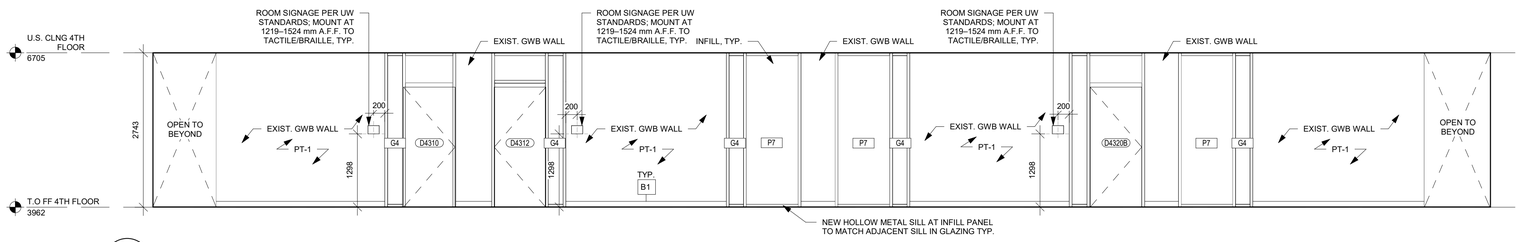
1 A344 EAST ELEVATION - CORRIDOR SIDE - S4 PHD OPEN OFFICE

Scale: 1 : 50



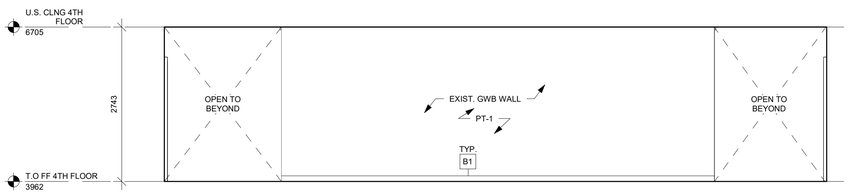
2 A344 SOUTH ELEVATION - CORRIDOR SIDE - S4 PHD OPEN OFFICE

Scale: 1 : 50



3 A344 WEST ELEVATION - CORRIDOR SIDE - S4 PHD OPEN OFFICE

Scale: 1 : 50



4 A344 NORTH ELEVATION - CORRIDOR SIDE - S4 PHD OPEN OFFICE

Scale: 1 : 50

GENERAL NOTE: [ALTERNATE PRICE 04] SUBSTITUTE ALL CORRIDOR-FACING BASEBOARDS ON 4TH FLOOR CORRIDOR W/ B3

KEYPLAN

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1	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026.07.17
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CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

S4 PHD OPEN OFFICE
INTERIOR ELEVATIONS (AP-02)

architects
Baird Sampson Neuert

416.363.8877 bsnarchitects.com

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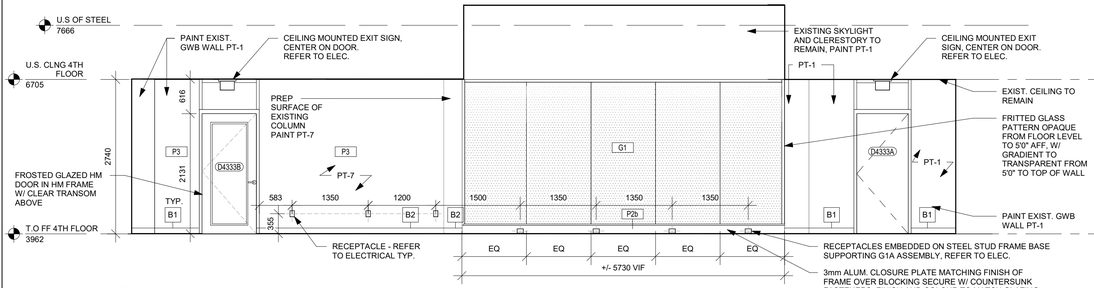
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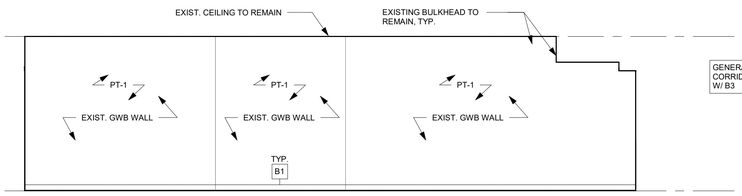
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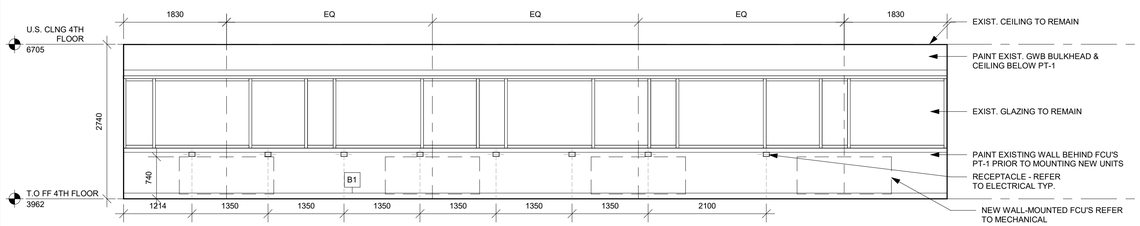


1 A350 WEST ELEVATION - RM 4333 - S5 MID-SIZE CLASSROOM
Scale: 1 : 50

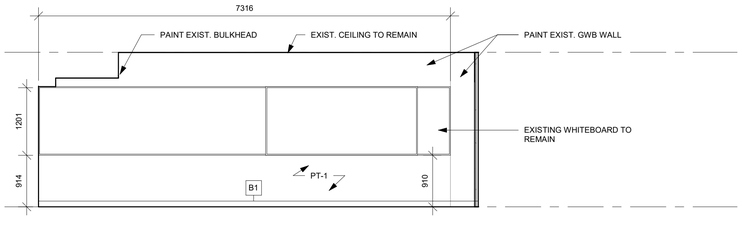


2 A350 NORTH ELEVATION - RM 4333 - S5 MID-SIZE CLASSROOM
Scale: 1 : 50

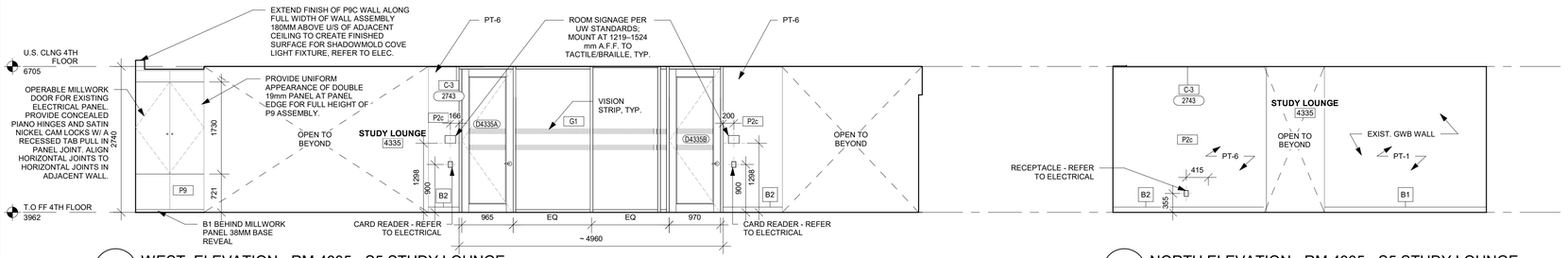
GENERAL NOTE: [ALTERNATE PRICE 04] SUBSTITUTE ALL CORRIDOR-FACING BASEBOARDS ON 4TH FLOOR CORRIDOR W/ B3



3 A350 EAST ELEVATION - RM 4333 - S5 MID-SIZE CLASSROOM
Scale: 1 : 50

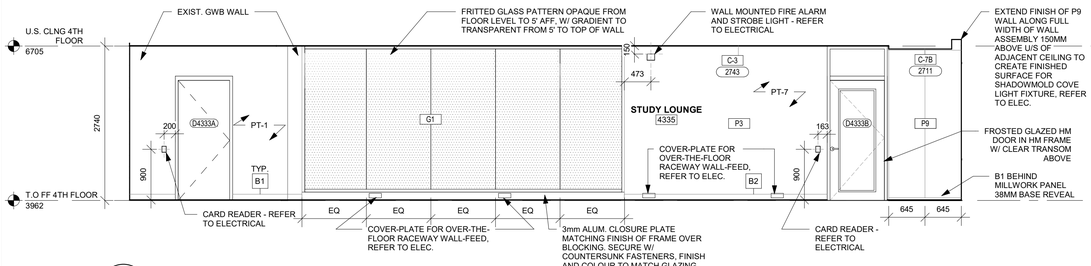


4 A350 SOUTH ELEVATION - RM 4333 - S5 MID-SIZE CLASSROOM
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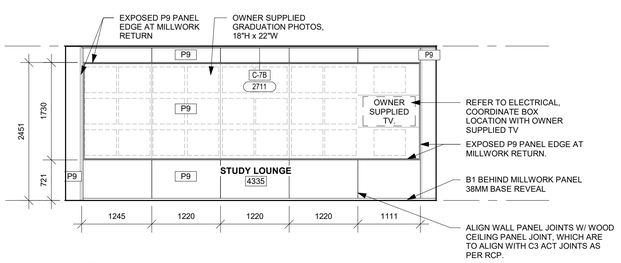


5 A350 WEST ELEVATION - RM 4335 - S5 STUDY LOUNGE
Scale: 1 : 50

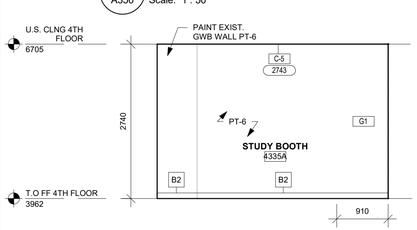
6 A350 NORTH ELEVATION - RM 4335 - S5 STUDY LOUNGE
Scale: 1 : 50



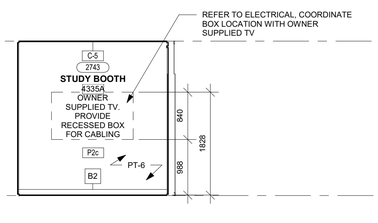
7 A350 EAST ELEVATION - RM 4335 - S5 STUDY LOUNGE
Scale: 1 : 50



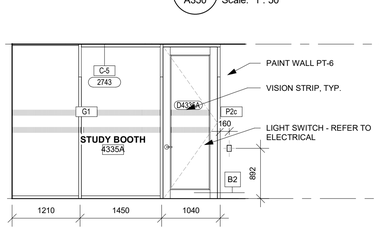
8 A350 SOUTH ELEVATION - RM 4335 - S5 STUDY LOUNGE
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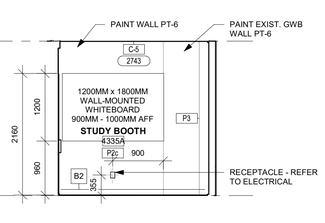
9 A350 WEST ELEVATION - RM 4335A - S5 STUDY LOUNGE
Scale: 1 : 50



10 A350 NORTH ELEVATION - RM 4335A
Scale: 1 : 50



11 A350 EAST ELEVATION - RM 4335A
Scale: 1 : 50



12 A350 SOUTH ELEVATION - RM 4335A
Scale: 1 : 50

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KEYPLAN

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CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

S5 MID SIZE CLASSROOM + STUDY SPACE INTERIOR ELEVATIONS

architects
Baird Sampson Neuert
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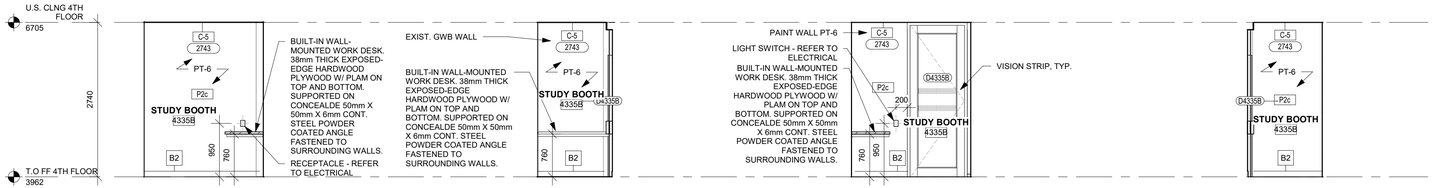
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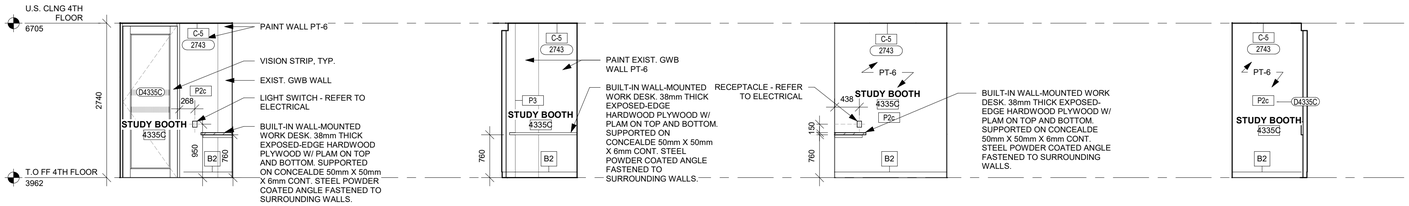


1 A351 WEST ELEVATION - RM 4335B
Scale: 1 : 50

2 A351 NORTH ELEVATION - RM 4335B
Scale: 1 : 50

3 A351 EAST ELEVATION - RM 4335B
Scale: 1 : 50

4 A351 SOUTH ELEVATION - RM 4335B
Scale: 1 : 50

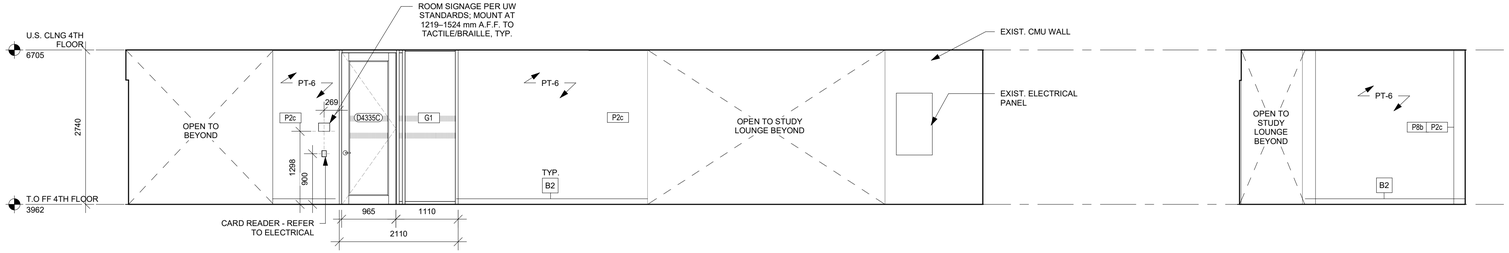


5 A351 WEST ELEVATION - RM 4335C
Scale: 1 : 50

6 A351 NORTH ELEVATION - RM 4335C
Scale: 1 : 50

7 A351 EAST ELEVATION - RM 4335C
Scale: 1 : 50

8 A351 SOUTH ELEVATION - RM 4335C
Scale: 1 : 50



9 A351 EAST ELEVATION - CORRIDOR SIDE - S5 STUDY LOUNGE
Scale: 1 : 50

10 A351 SOUTH ELEVATION - CORRIDOR SIDE -S5 STUDY LOUNGE
Scale: 1 : 50

UNIVERSITY OF WATERLOO

KEYPLAN

No.	ISSUANCE	DATE
1	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026.07.17
2	ISSUED FOR 90% CD	2026.09.29
3	ISSUED FOR TENDER	2026.11.05

CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

S5 MID SIZE CLASSROOM + STUDY SPACE INTERIOR ELEVATIONS

architects
Baird Sampson Neuert
416.363.8877 bsnarchitects.com

SEAL

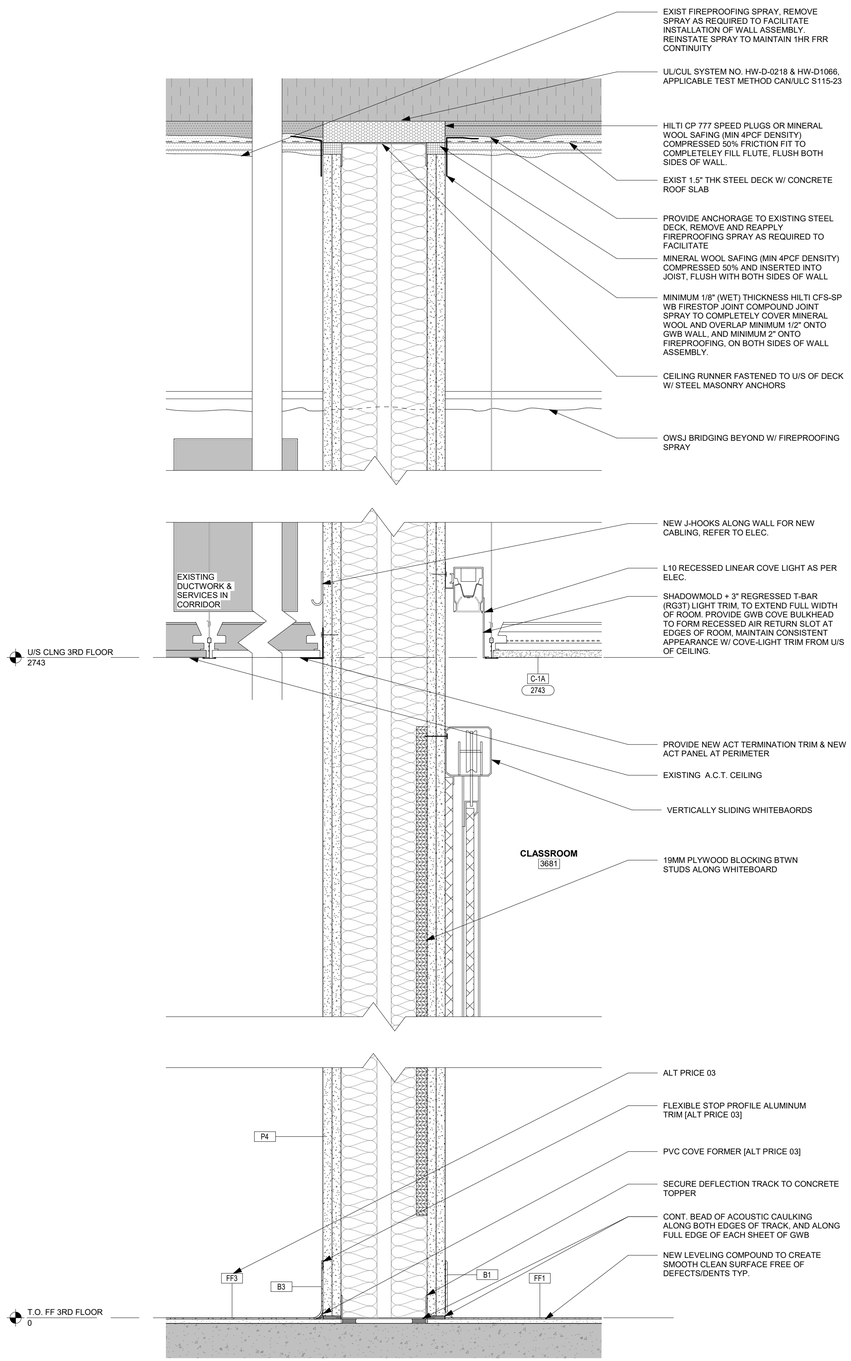
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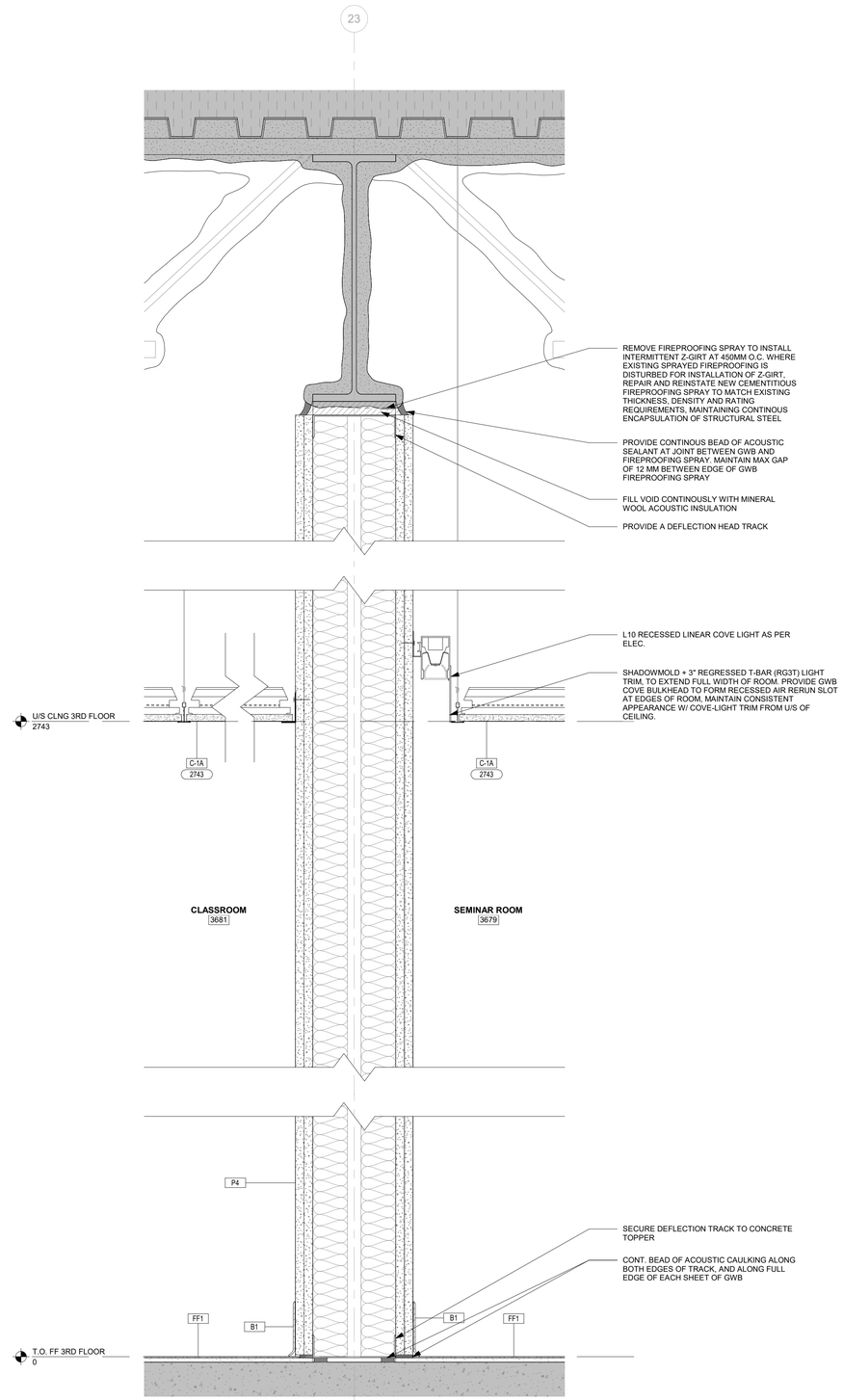
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PROJECT NO :	2024-0711-10
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SHEET NO :

A351



1 / A410 WALL SECTION AT 1HR FRR LARGE CLASSROOM CORRIDOR WALL
Scale: 1 : 5



2 / A410 WALL SECTION AT CLASSROOM TO SEMINAR ROOM WALL
Scale: 1 : 5

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 1 - WALL SECTIONS

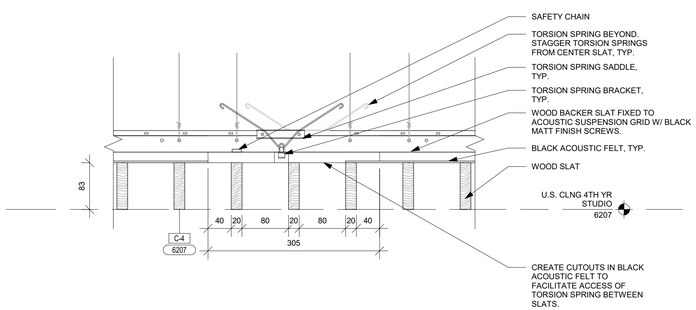
architects
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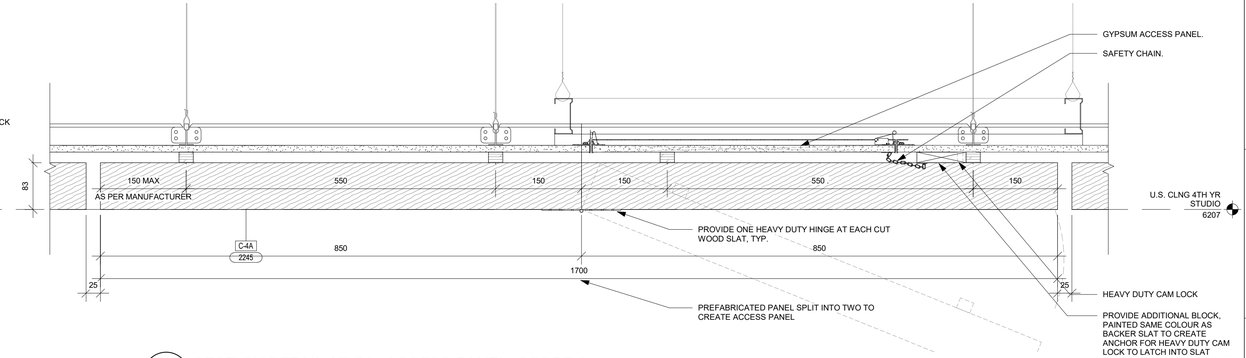
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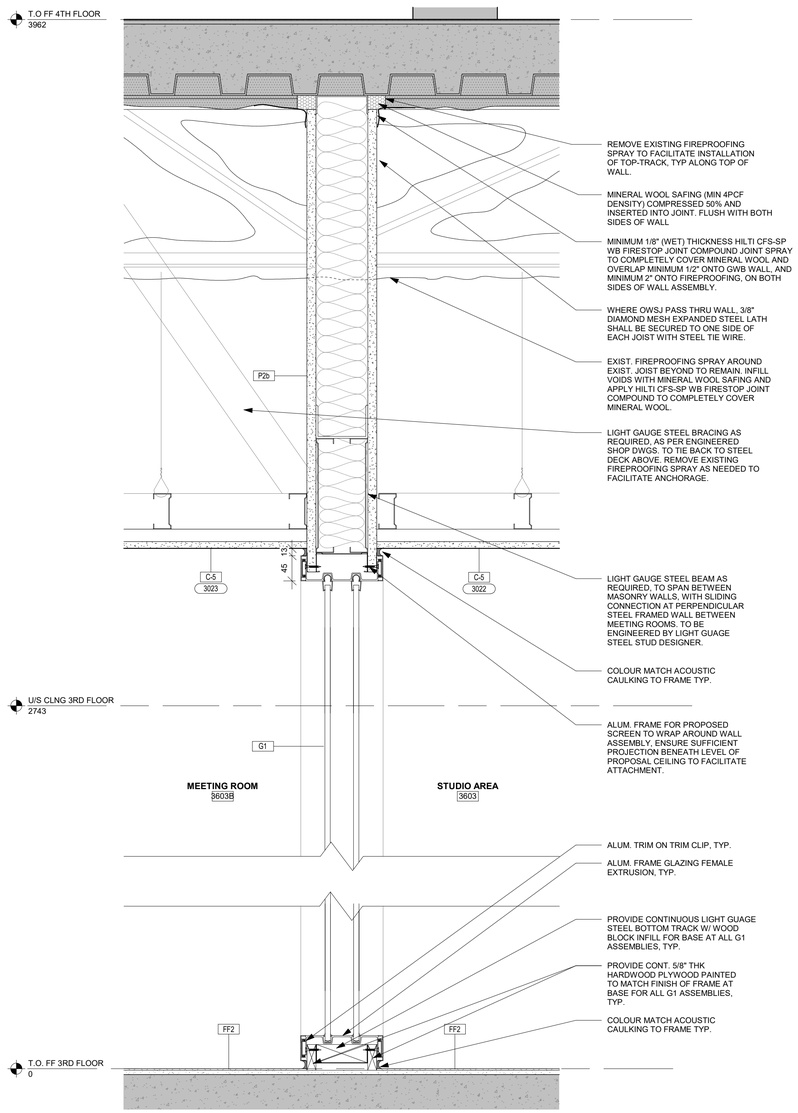
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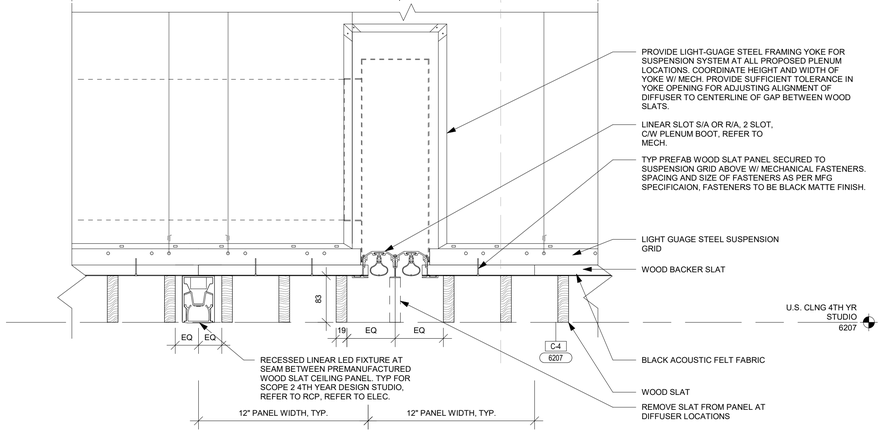


5 A420 SECTION DETAIL AT C4 ACCESS PANEL
Scale: 1 : 5

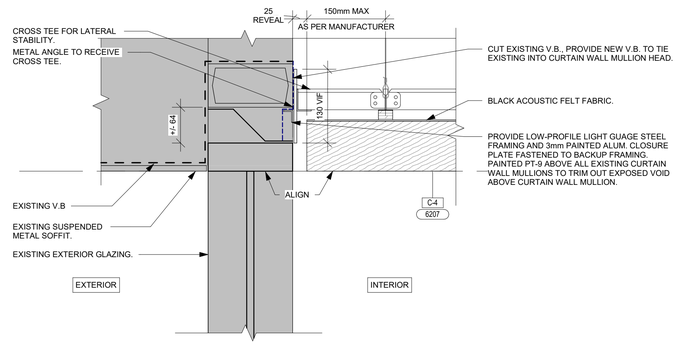
6 A420 SECTION DETAIL AT C4a ACCESS PANEL (SCOPE 3)
Scale: 1 : 5



1 A420 WALL SECTION AT GLAZED PARTITION BETWEEN MEETING ROOM AND STUDIO
Scale: 1 : 5



2 A420 SECTION DETAIL AT CEILING FIXTURES IN 4TH YEAR DESIGN STUDIO CEILING
Scale: 1 : 5



3 A420 TYP. SECTION DETAIL AT EXISTING GLAZING TO WOOD SLAT CEILING (SCOPE 2 & 3)
Scale: 1 : 5

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CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 2 - WALL SECTIONS (AP-01)

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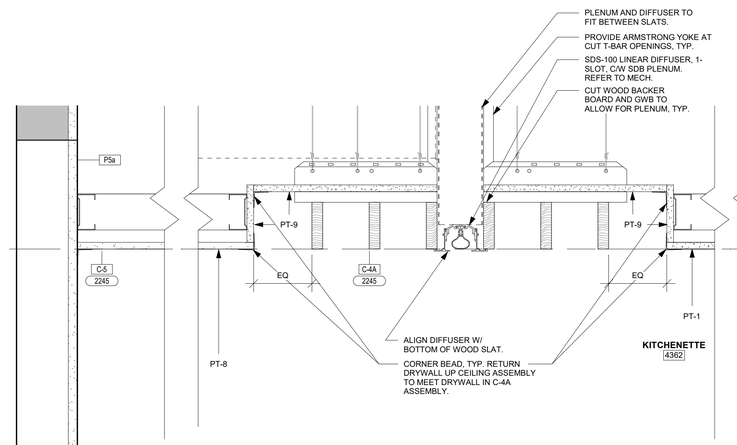
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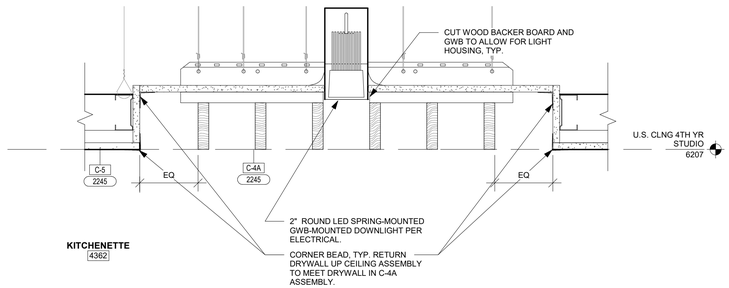
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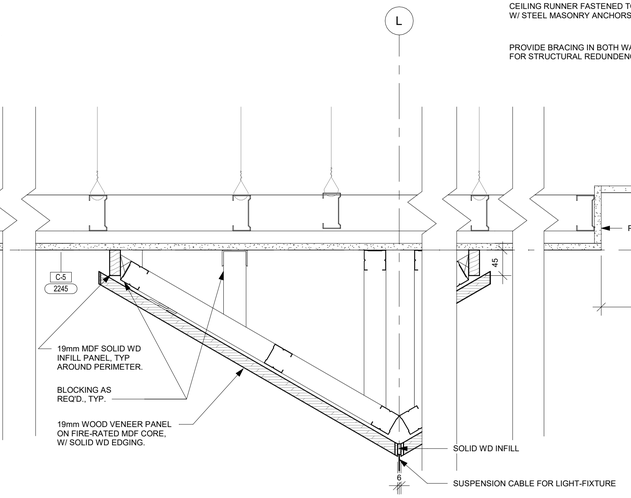
A420

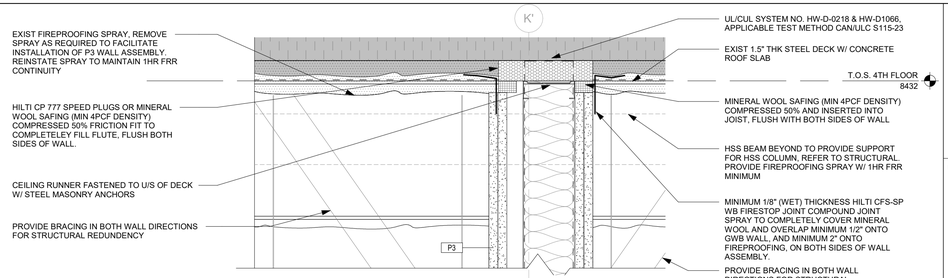


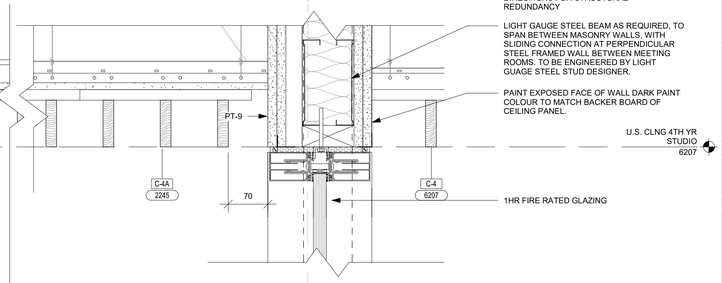
4 A421 WALL SECTION AT KITCHENETTE CEILING
Scale: 1 : 5

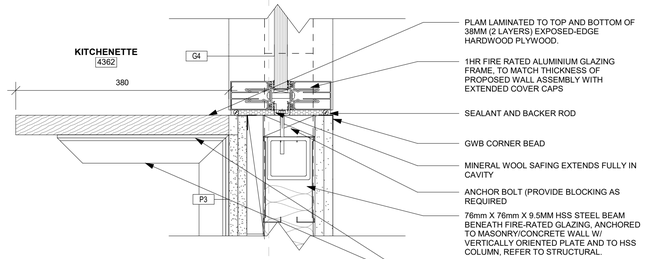


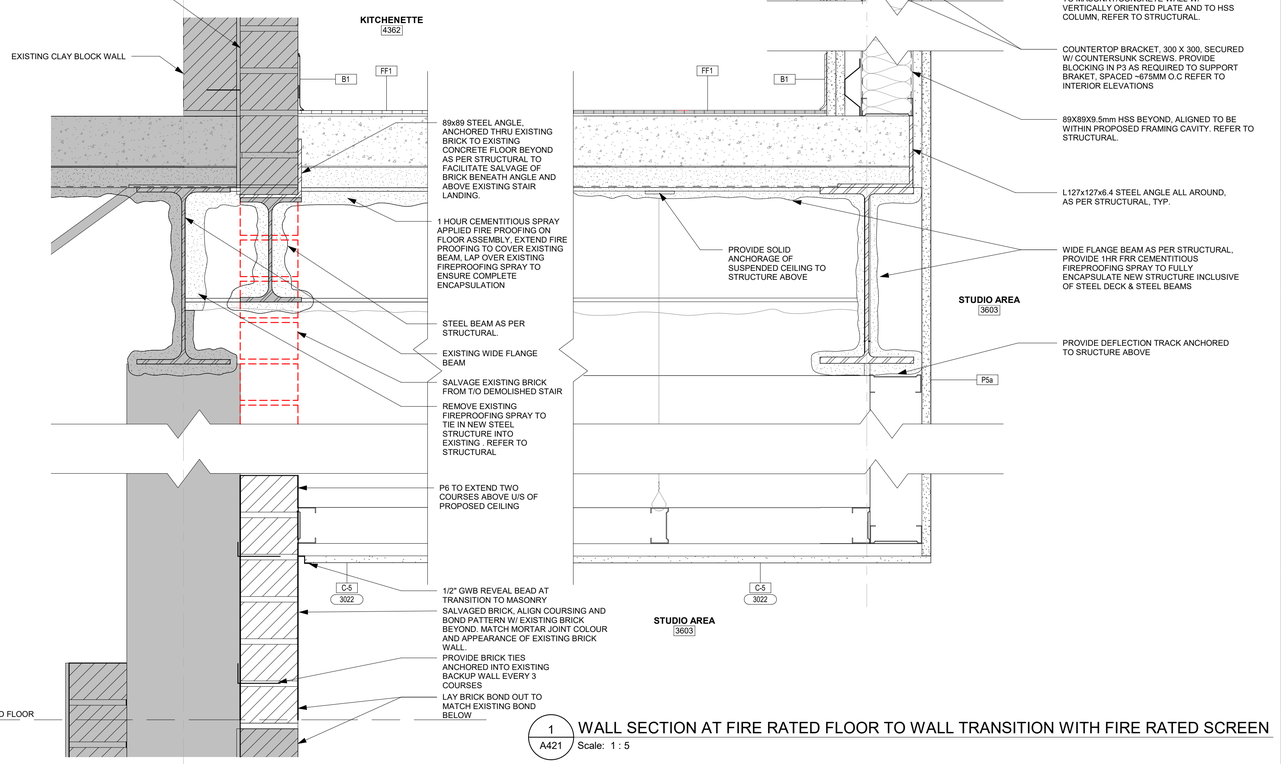
3 A421 WALL SECTION AT KITCHENETTE CEILING LIGHT
Scale: 1 : 5











1 A421 WALL SECTION AT FIRE RATED FLOOR TO WALL TRANSITION WITH FIRE RATED SCREEN
Scale: 1 : 5

2 A421 WALL SECTION AT FIRE RATED FLOOR TIE INTO EXISTING FLOOR & MASONRY WALL EXTENSION
Scale: 1 : 5

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CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 2 & 3 - WALL SECTIONS (AP-01)

architects
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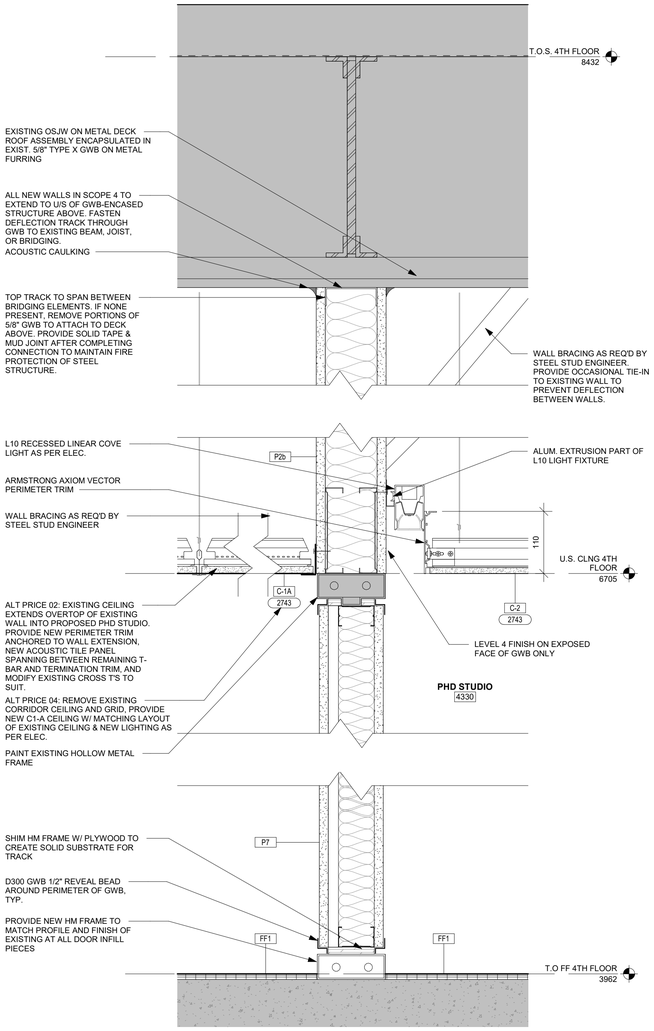
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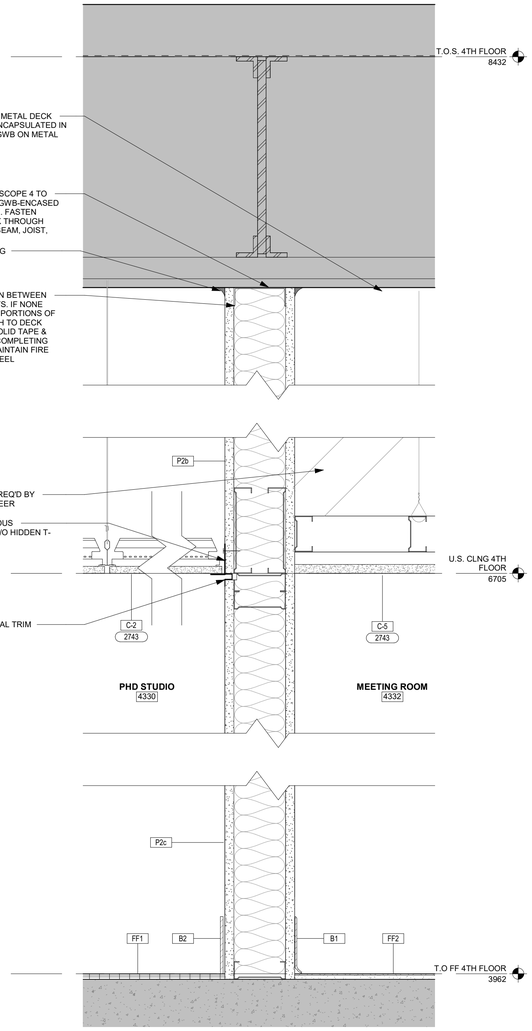
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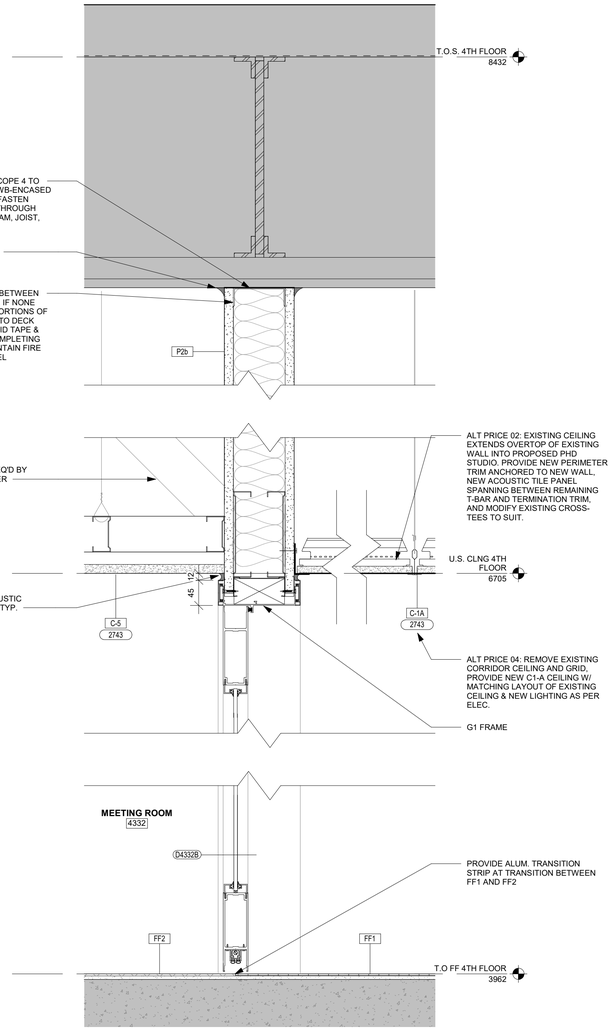
A421



1 A440 WALL SECTION AT TYP. PHD STUDIO INFILL PANEL & CORRIDOR WALL EXTENSION
Scale: 1 : 5



2 A440 WALL SECTION AT TYP. STUDY BOOTH POD - SOLID WALL
Scale: 1 : 5



3 A440 WALL SECTION AT TYP. STUDY BOOTH POD - SLIDING DOOR
Scale: 1 : 5

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 4 - WALL SECTIONS (AP-02)

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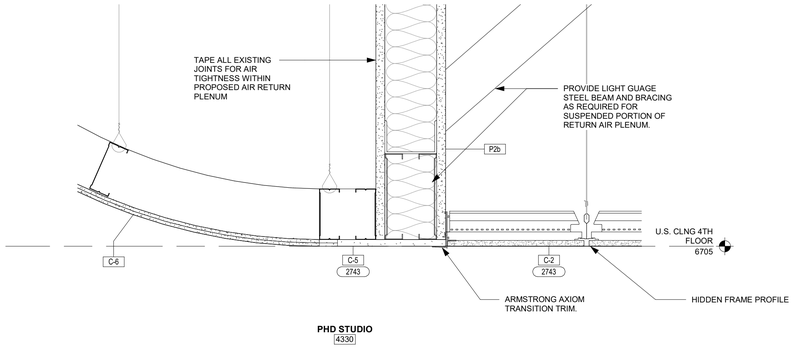
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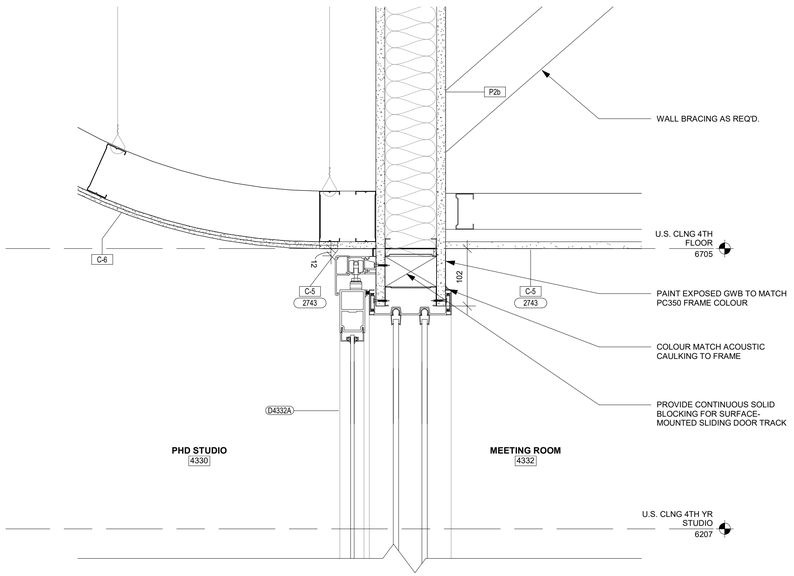
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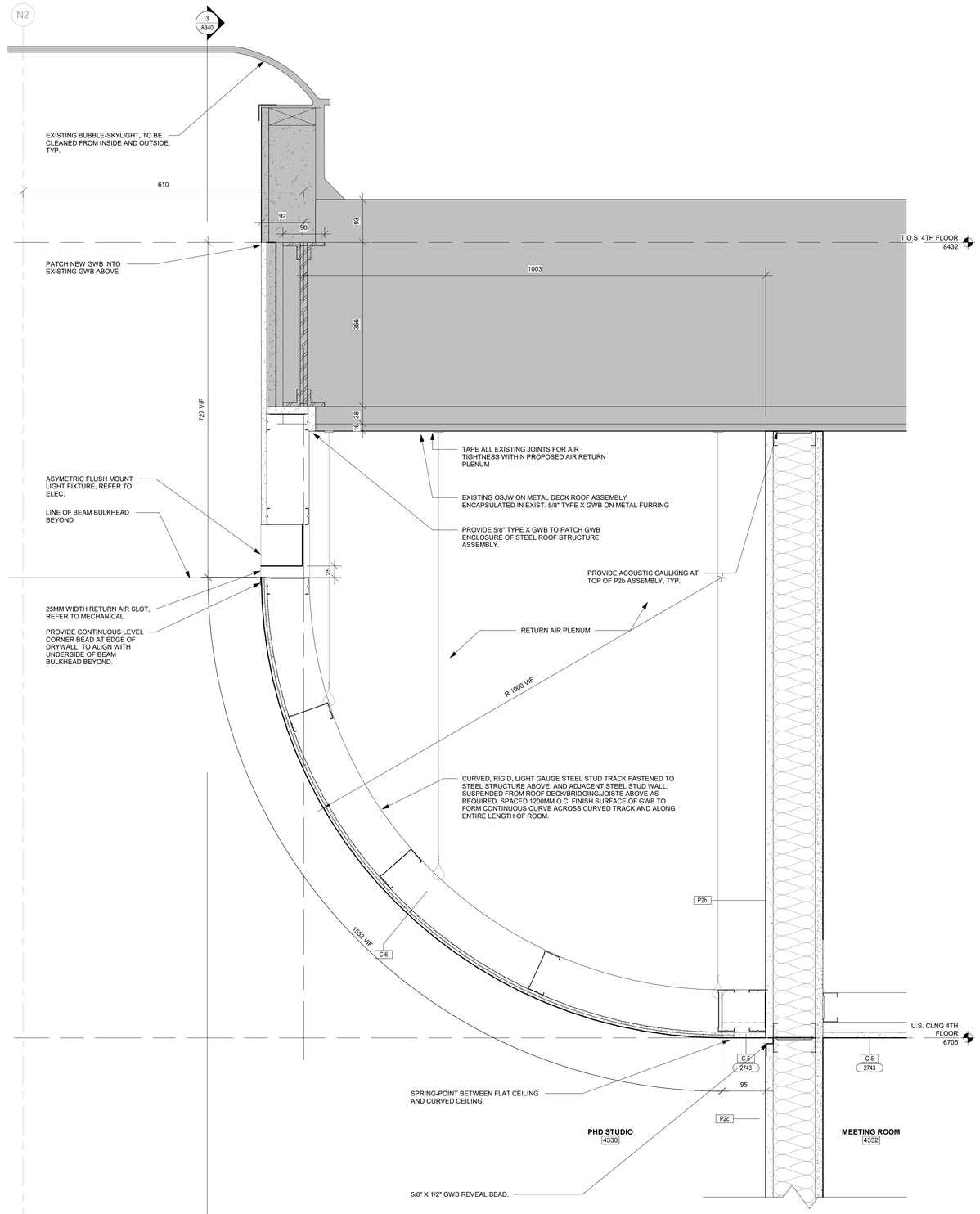
2 A441 TYP SECTION DETAIL AT SUN TUNNEL TO ACT

Scale: 1 : 5



3 A441 TYP SECTION DETAIL AT SUN TUNNEL TO MTG ROOM SCREEN

Scale: 1 : 5



1 A441 TYP WALL SECTION THRU RADIUSSED GWB SUN TUNNEL AT MTG ROOM WALL

Scale: 1 : 5

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 4 - WALL SECTIONS (AP-02)

architects
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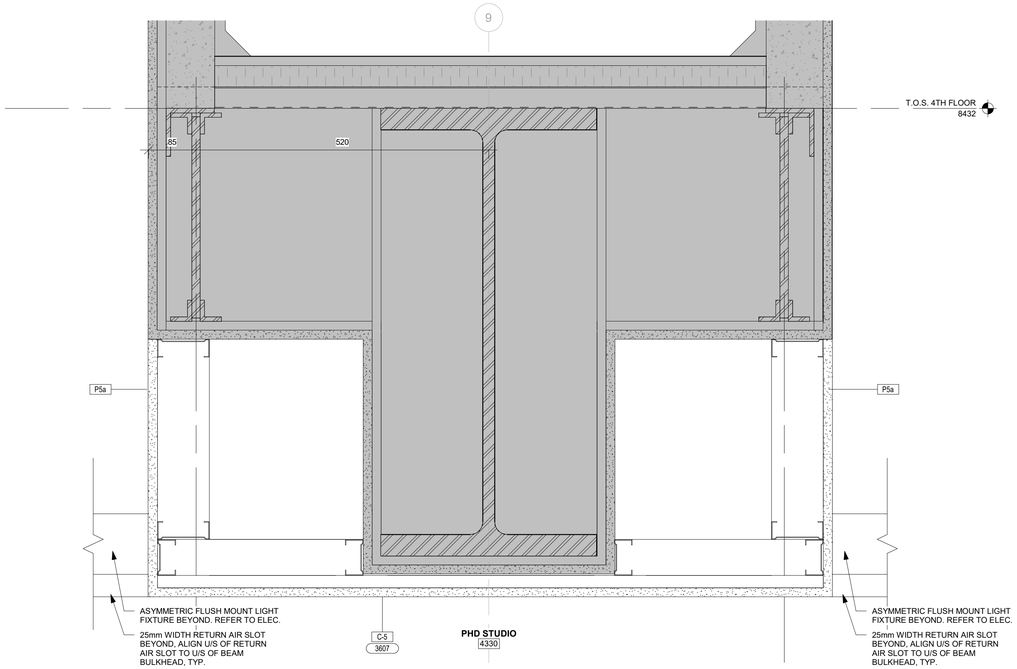
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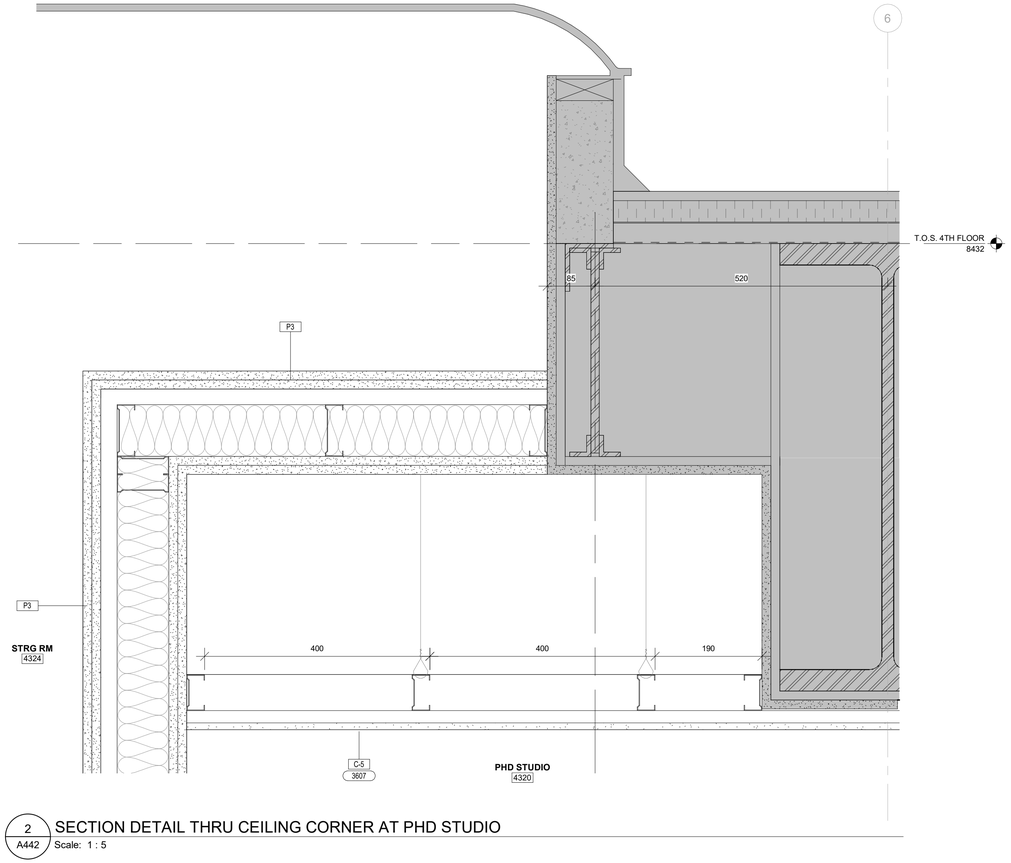
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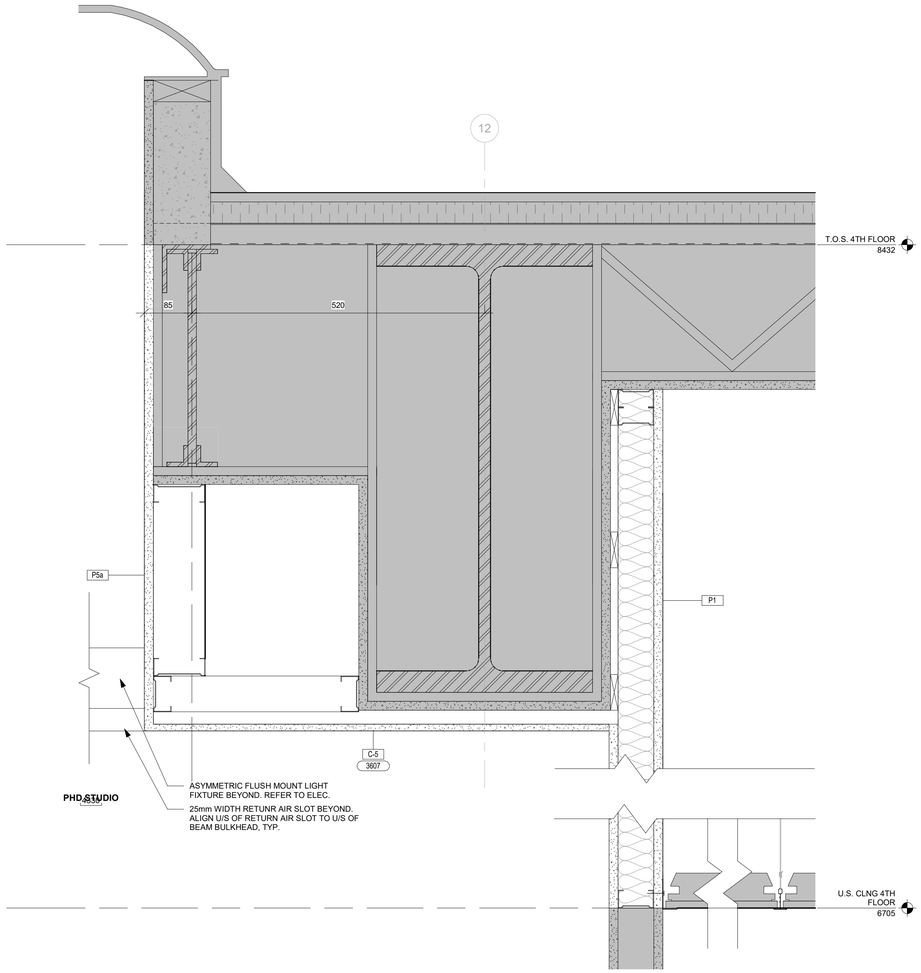
1 / A442 TYP SECTION DETAIL THRU EXIST. SKYLIGHT & BUILT UP STEEL BEAM AT PHD STUDIO

Scale: 1 : 5



2 / A442 SECTION DETAIL THRU CEILING CORNER AT PHD STUDIO

Scale: 1 : 5



3 / A442 SECTION DETAIL THRU EXIST SKYLIGHT & BUILT UP STEEL BEAM AT PHD STUDIO & CORRIDOR

Scale: 1 : 5

UNIVERSITY OF WATERLOO

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CLIENT

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 4 - WALL SECTIONS (AP-02)

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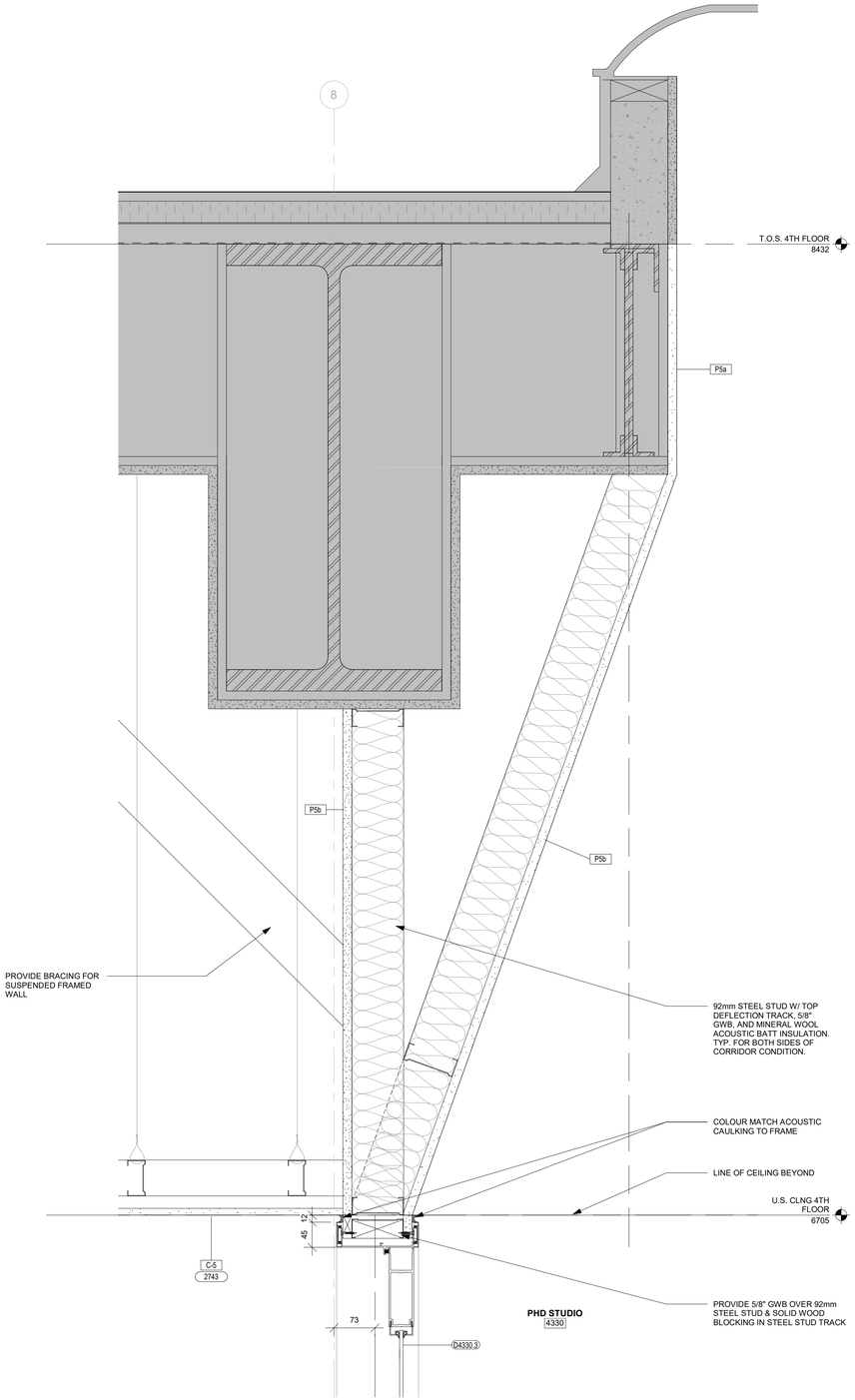
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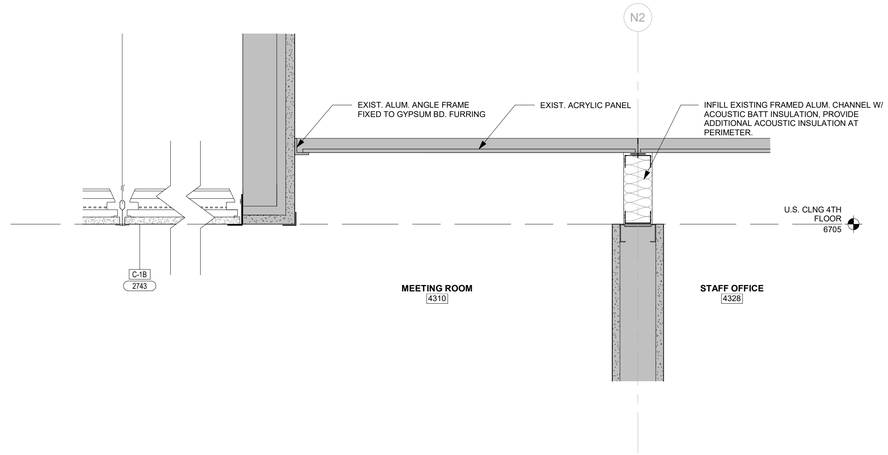
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SHEET NO :

A442



2 / A443 SECTION DETAIL THRU TYP. TERMINATION OF LIGHTWELL AT INTERMEDIATE CORRIDOR BETWEEN STUDIOS
Scale: 1 : 5



1 / A443 SECTION DETAIL THRU EXIST. ACRYLIC PANEL SKYLIGHT AT MEETING RM & STAFF OFFICE
Scale: 1 : 5

UNIVERSITY OF WATERLOO

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TITLE

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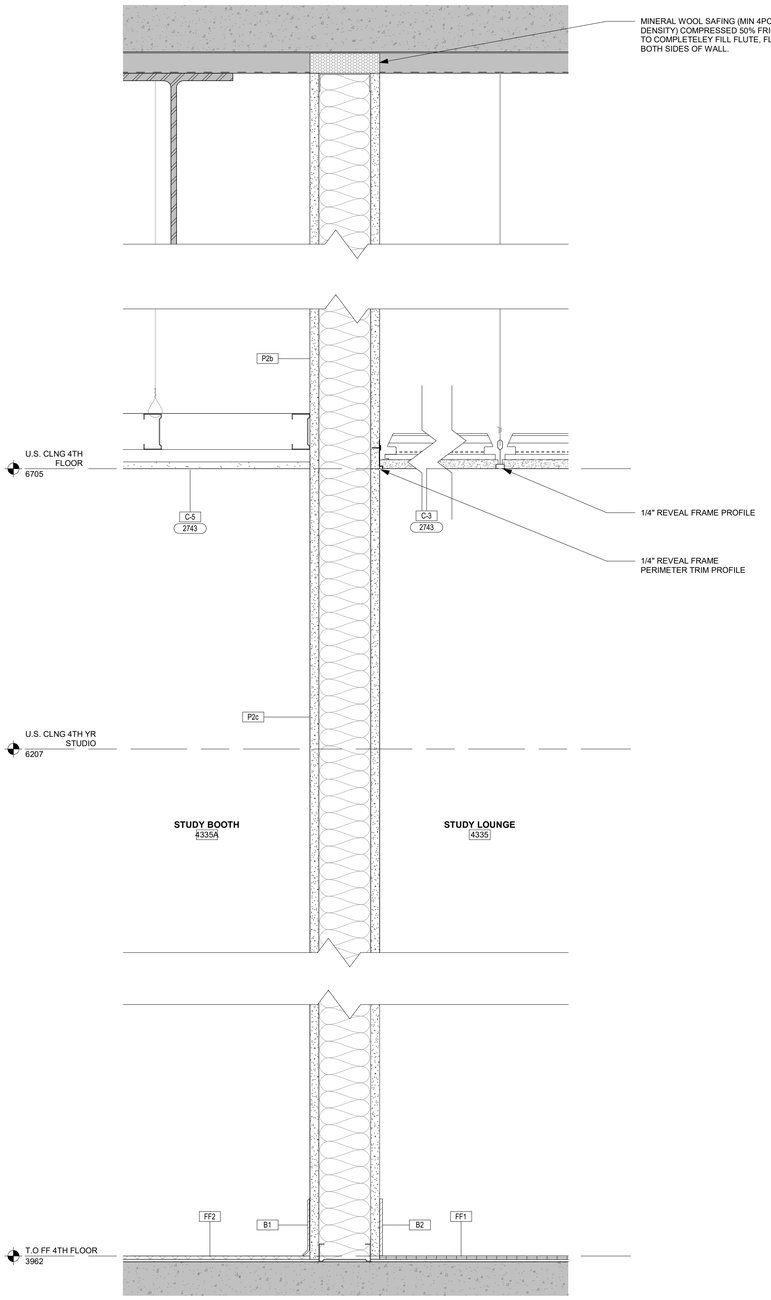
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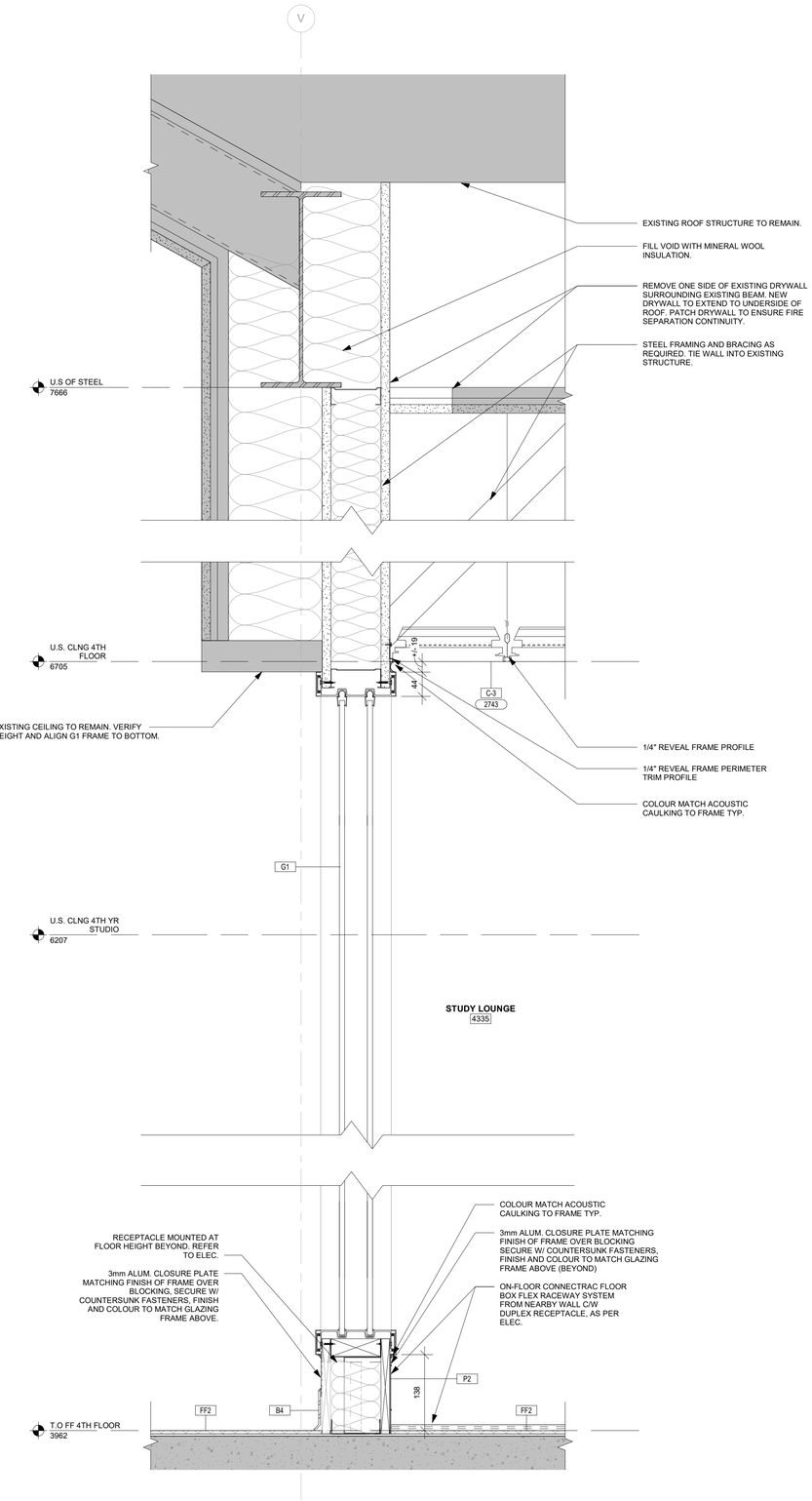
SHEET NO :

A443



1 / A450 WALL SECTION AT STUDY BOOTH & STUDY LOUNGE

Scale: 1 : 5



2 / A450 WALL SECTION AT MID SIZE CLASSROOM & STUDY LOUNGE

Scale: 1 : 5

UNIVERSITY OF WATERLOO

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PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 5 - WALL SECTIONS

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A450



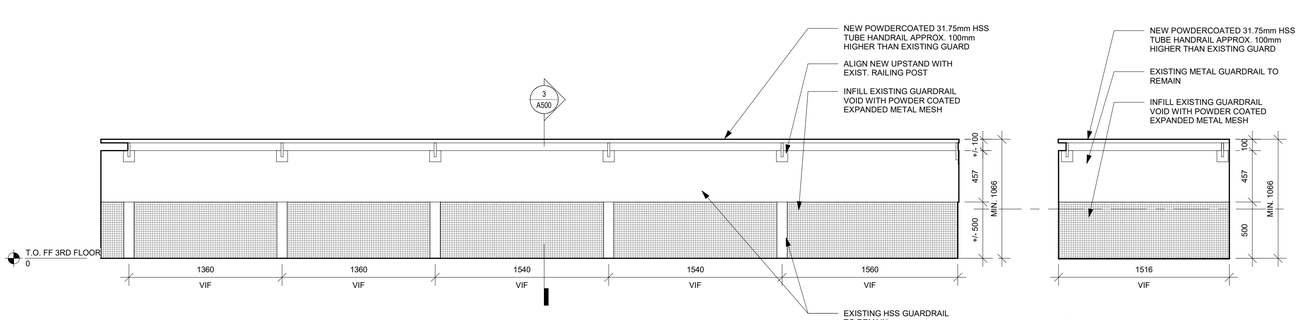




VIEW TOWARDS STAIR GUARD IN RM 4316C

DRAWING NOTES

1. REMOVE AND REPAIR EXISTING ROOF DRAIN - REFER TO MECH, NEW STAINLESS STEEL SCUPPER W/ SEALANT INTO EXISTING ROOF MEMBRANE, NEW CONNECTION INTO EXISTING DRAINPIPE.
2. PHOTO OF EXISTING OWSJ BELOW ROOF LEAK WITH APPARENT RUSTING AND DECAY OF FIREPROOFING.
   A. REFER TO STRUCTURAL FOR JOIST REMEDIATION STRATEGY, PROPOSED ADDITION OF 3 NEW JOISTS IN AREA OF CONCERN
3. PHOTO OF EXISTING CEILING TILE WITH APPARENT WATER-DAMAGE OF CEILING TILE, LOCATED DIRECTLY BELOW ROOF DRAIN.

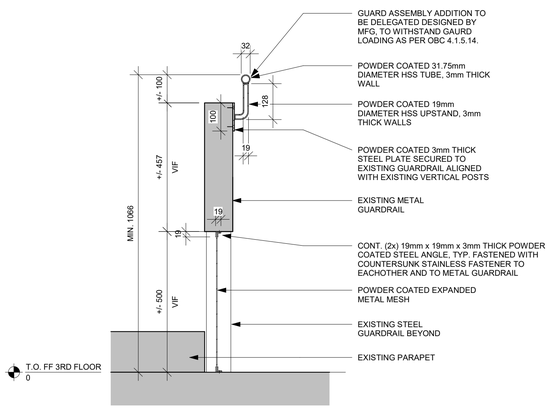


2 A500 WEST ELEVATION - BALCONY GUARDRAIL - S2 4TH YEAR STUDIO
Scale: 1 : 25

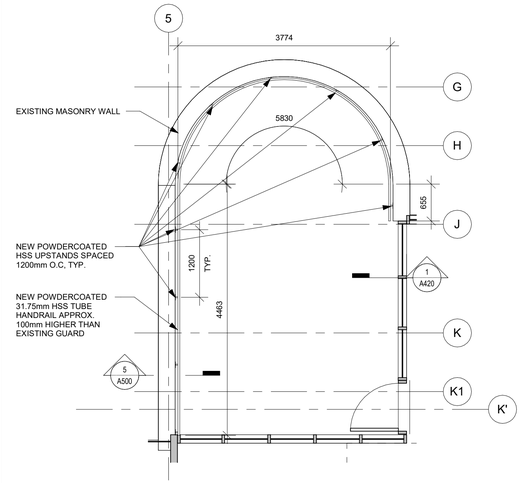
4 A500 NORTH ELEVATION
Scale: 1 : 25



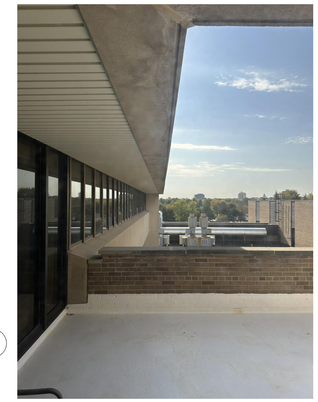
VIEW TOWARDS EXISTING BALCONY GUARDRAIL OUTSIDE OF 4TH YEAR STUDIO



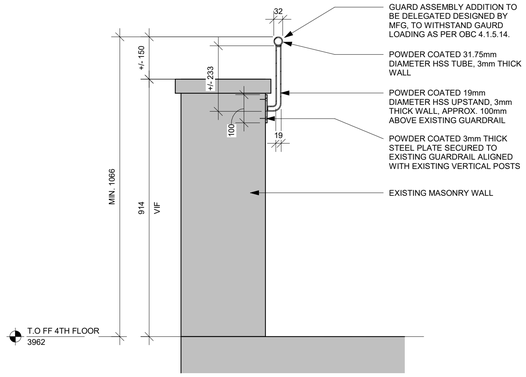
3 A500 DETAIL SECTION - BALCONY GUARDRAIL - S2 4TH YEAR STUDIO
Scale: 1 : 10



1 A500 S3 FACULTY + STUDENT LOUNGE BALCONY PLAN
Scale: 1 : 50



VIEW TOWARDS EXISTING BALCONY GUARDRAIL OUTSIDE OF FACULTY + STUDENT LOUNGE



5 A500 DETAIL SECTION - BALCONY GUARDRAIL - S3 FACULTY + STUDENT LOUNGE
Scale: 1 : 10

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1	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026.07.17
2	ISSUED FOR 90% CD	2026.09.29
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CLIENT

UNIVERSITY OF WATERLOO

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

PATIO GUARD AND SCUPPER REPAIR DETAILS

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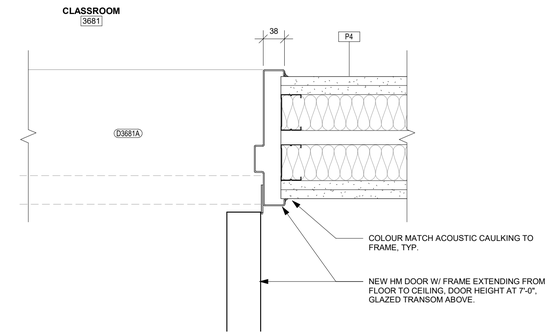
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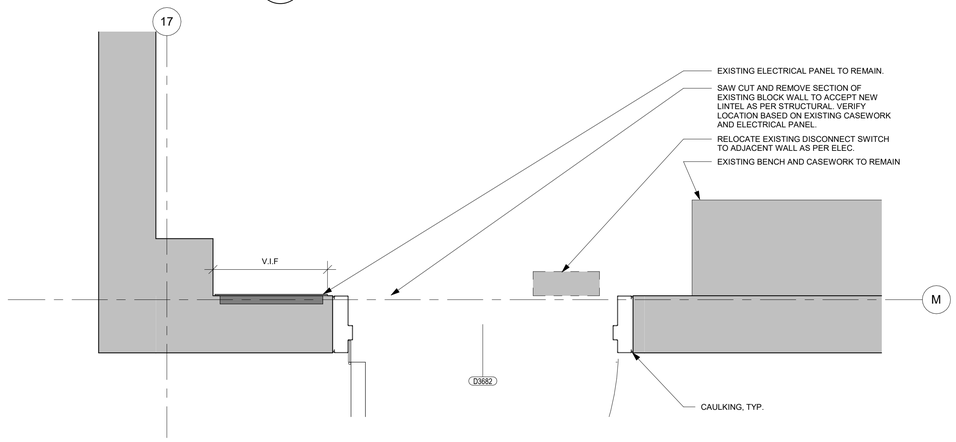
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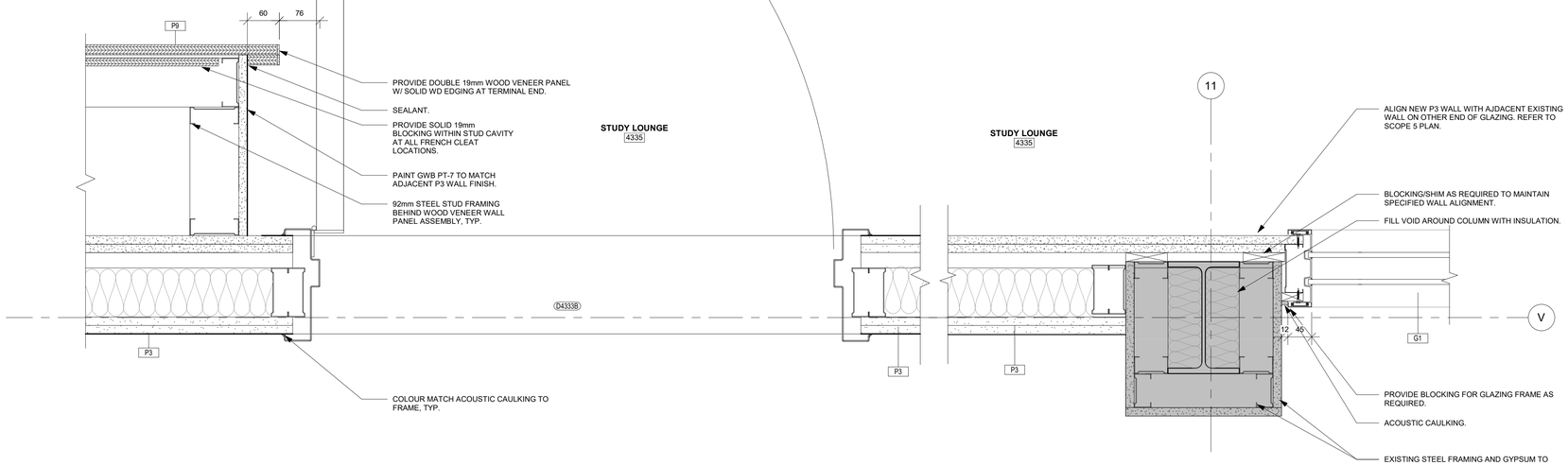
1 / A510 SCOPE 1 - PLAN DETAIL AT 120 PERSON CLASSROOM DOOR

Scale: 1 : 5



4 / A510 SCOPE 1 - PLAN DETAIL AT NEW LAB EXIT DOOR

Scale: 1 : 10



2 / A510 SCOPE 5 PLAN DETAIL AT STUDY LOUNGE DOOR

Scale: 1 : 5

3 / A510 PLAN DETAIL AT GLAZING TO EXISTING STRUCTURE TRANSITION

Scale: 1 : 5

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 1 & 5 - PLAN DETAILS

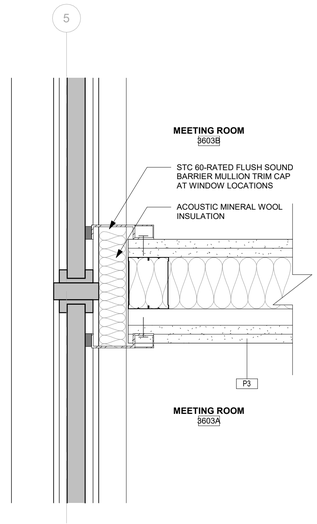
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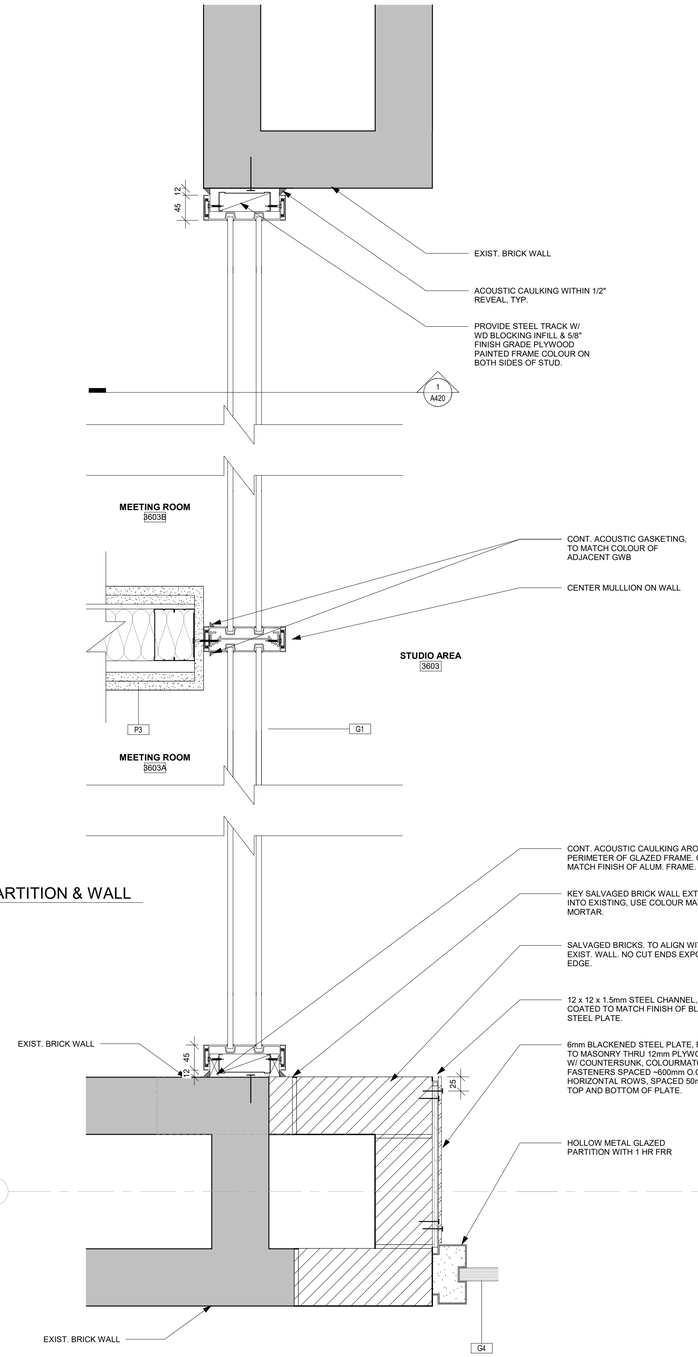
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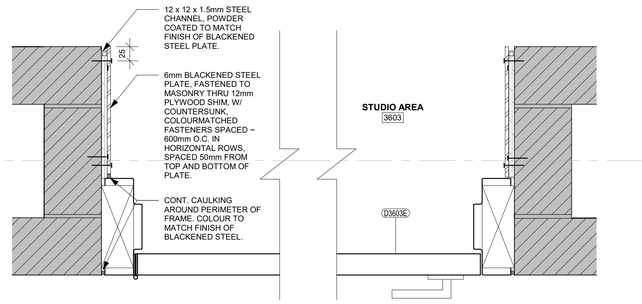
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PROJECT NO :	2024-0711-10		
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2 A520 PLAN DETAIL @ MEETING ROOMS EXIST. GLAZED PARTITION & WALL
Scale: 1 : 5



1 A520 PLAN DETAIL @ GLAZED PARTITION BETWEEN MEETING ROOM & STUDIO
Scale: 1 : 5



5 A520 PLAN DETAIL @ HOLLOW METAL DOOR IN 4TH YEAR DESIGN STUDIO
Scale: 1 : 5

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 2 - PLAN DETAILS (AP-01)

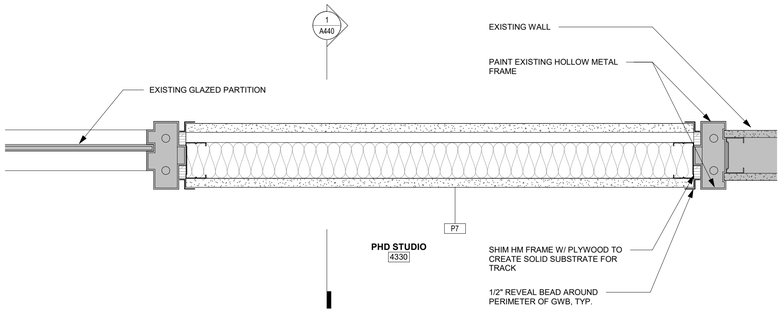
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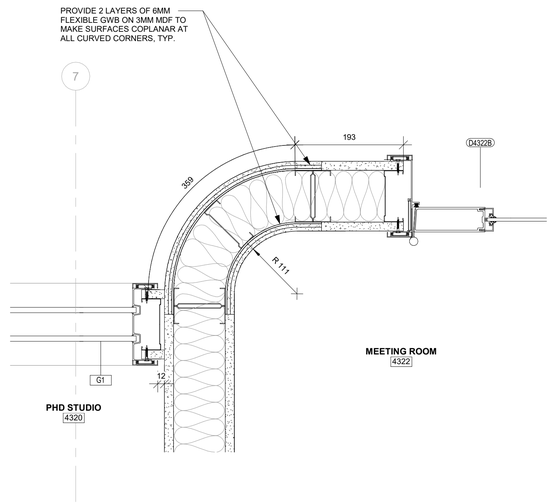
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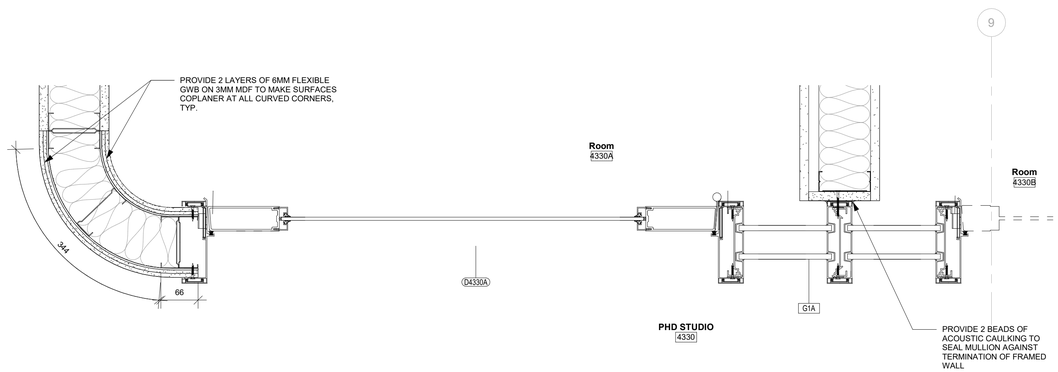
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PROJECT NO :	2024-0711-10		
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1 A540 PLAN DETAIL @ ACOUSTIC INFILL PANEL BETWEEN PHD STUDIO & CORRIDOR
Scale: 1 : 5



3 A540 PLAN DETAIL @ GLAZED PARTITION BETWEEN PHD STUDIO & MEETING ROOM
Scale: 1 : 5



2 A540 PLAN DETAIL @ GLAZED PARTITION BETWEEN PHD STUDIO & STUDY BOOTH PODS
Scale: 1 : 5

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 4 - PLAN DETAILS (AP-02)

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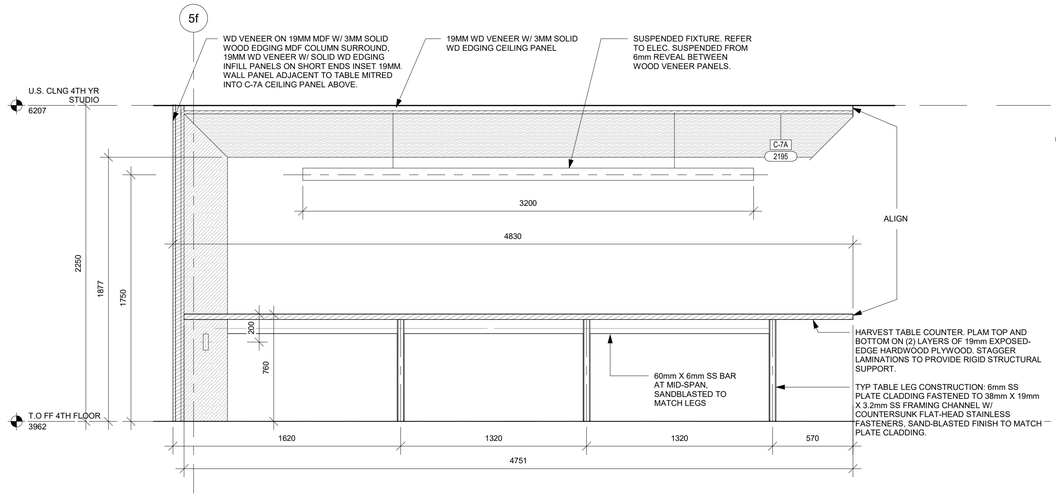
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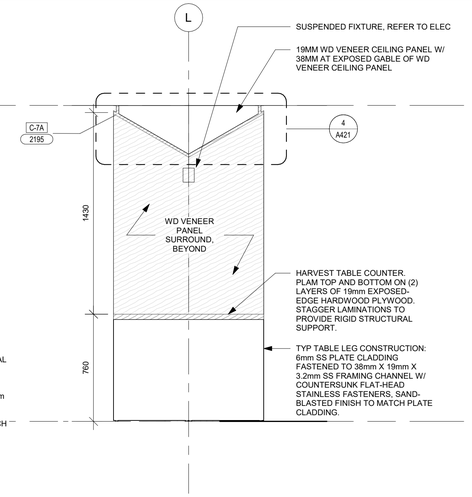
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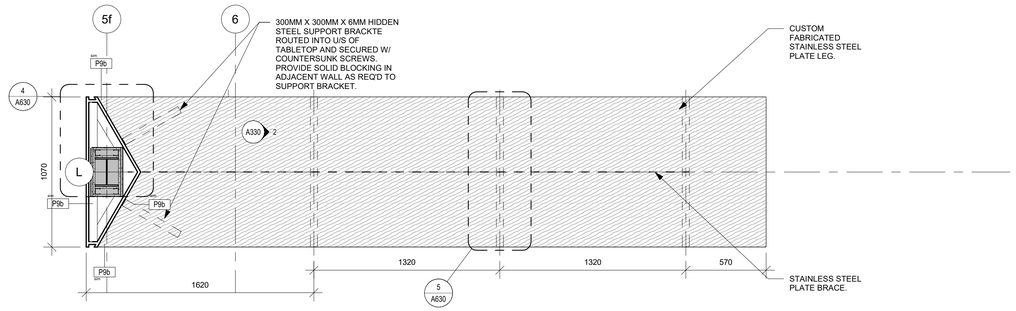
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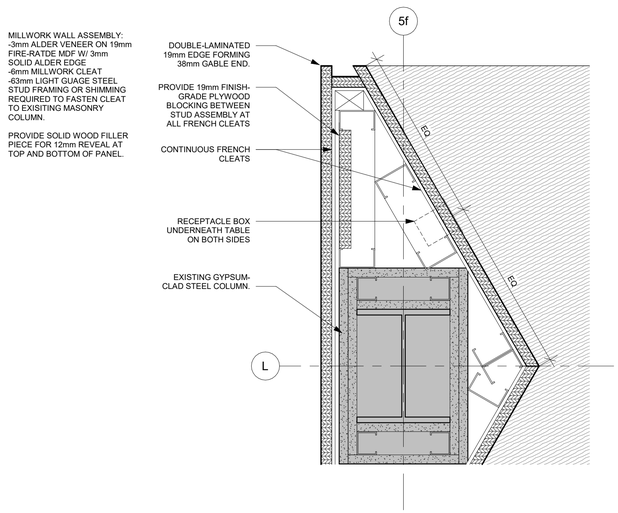
1 A630 HARVEST TABLE - SIDE ELEVATION
Scale: 1 : 20



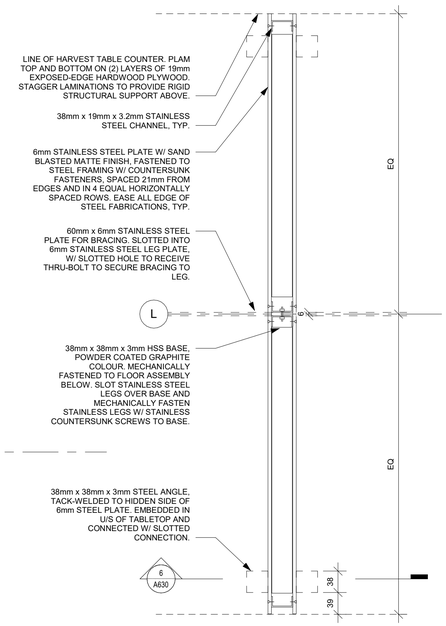
2 A630 HARVEST TABLE - FRONT ELEVATION
Scale: 1 : 20



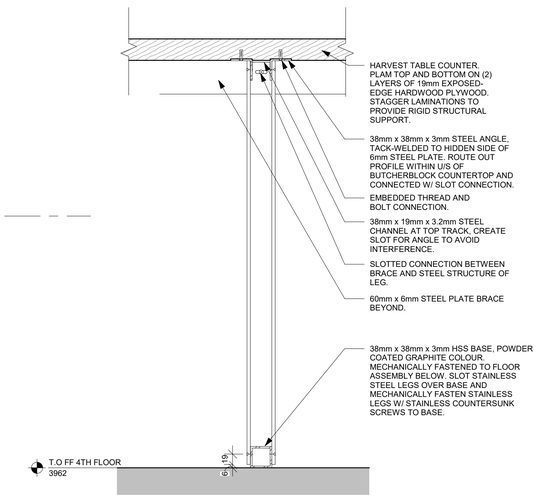
3 A630 HARVEST TABLE - PLAN
Scale: 1 : 20



4 A630 PLAN DETAIL AT MILLWORK PANEL CORNER
Scale: 1 : 5



5 A630 PLAN DETAIL AT TYP. SS LEG
Scale: 1 : 5



6 A630 SECTION DETAIL AT TYP. SS LEG
Scale: 1 : 5

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UNIVERSITY OF WATERLOO
200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT
CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH
200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE
SCOPE 3 - MILLWORK DETAILS

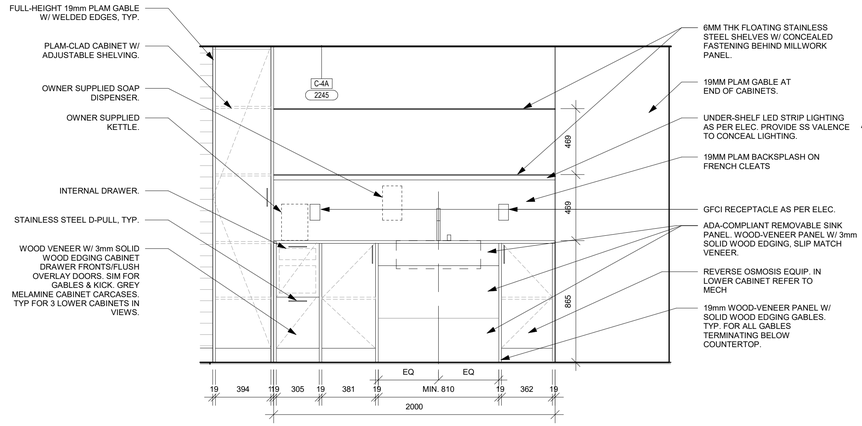
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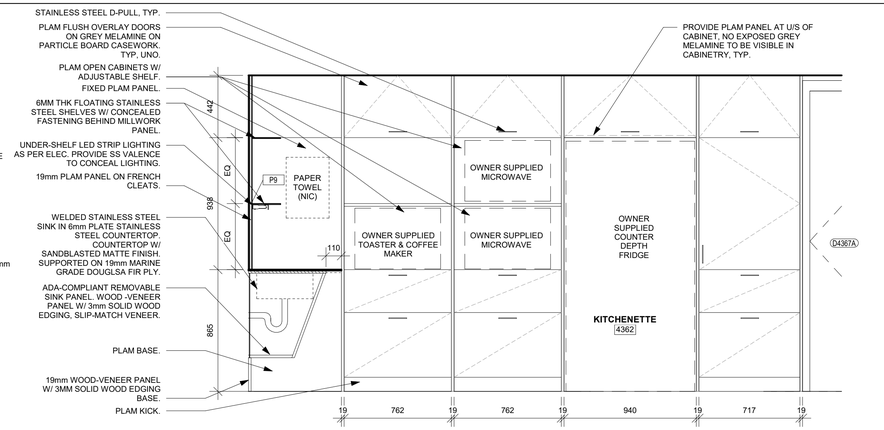
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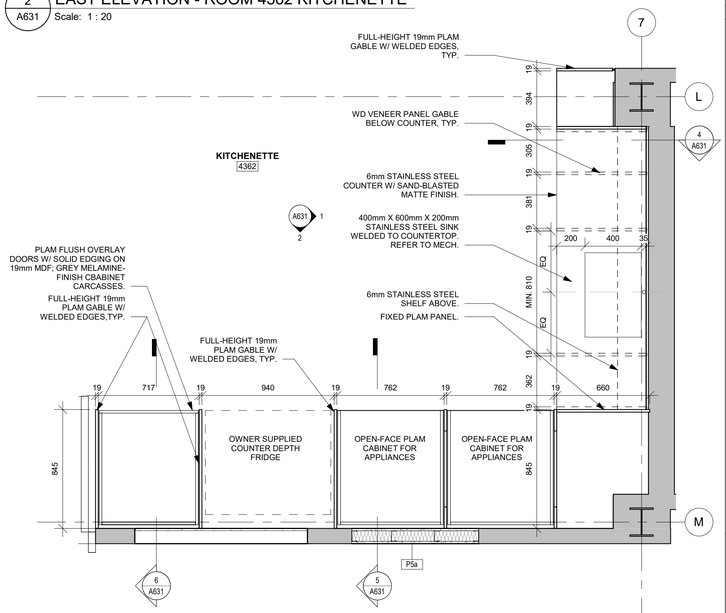
1 / A631 NORTH ELEVATION - ROOM 4362 - S2 KITCHENETTE

Scale: 1 : 20



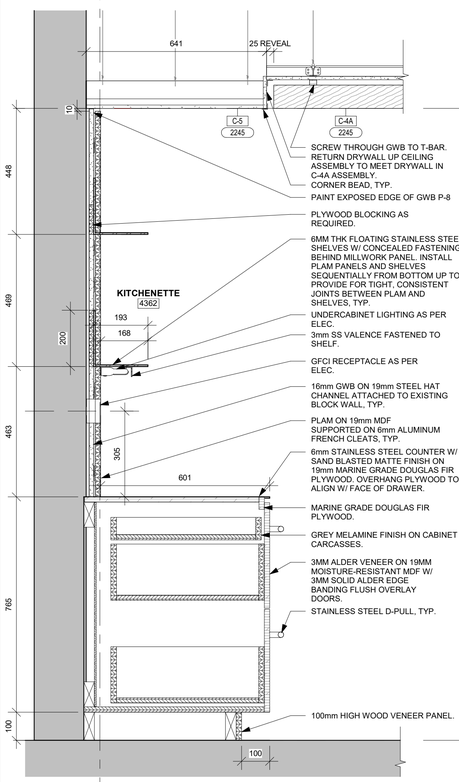
2 / A631 EAST ELEVATION - ROOM 4362 KITCHENETTE

Scale: 1 : 20



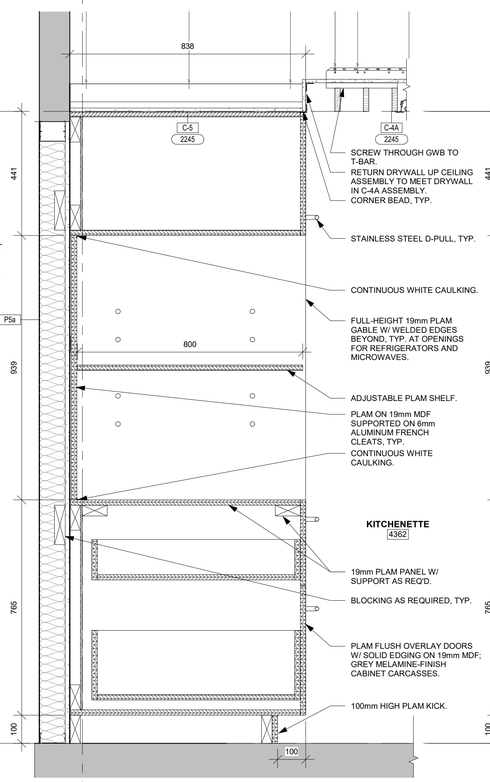
3 / A631 PLAN - ROOM 4362 KITCHENETTE

Scale: 1 : 20



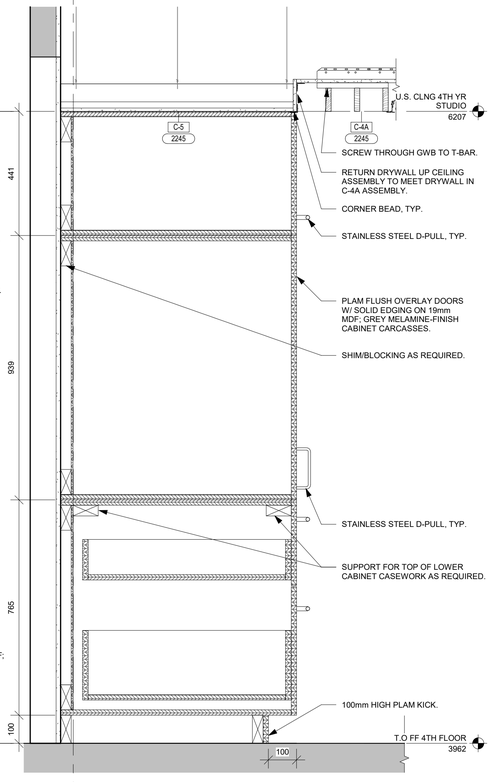
4 / A631 SECTION AT LOWER CABINET AND SHELVES

Scale: 1 : 10



5 / A631 SECTION AT OPEN FACE CABINETS

Scale: 1 : 10



6 / A631 SECTION AT FULL HEIGHT CASEWORK

Scale: 1 : 10

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CLIENT

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 3 - MILLWORK DETAILS

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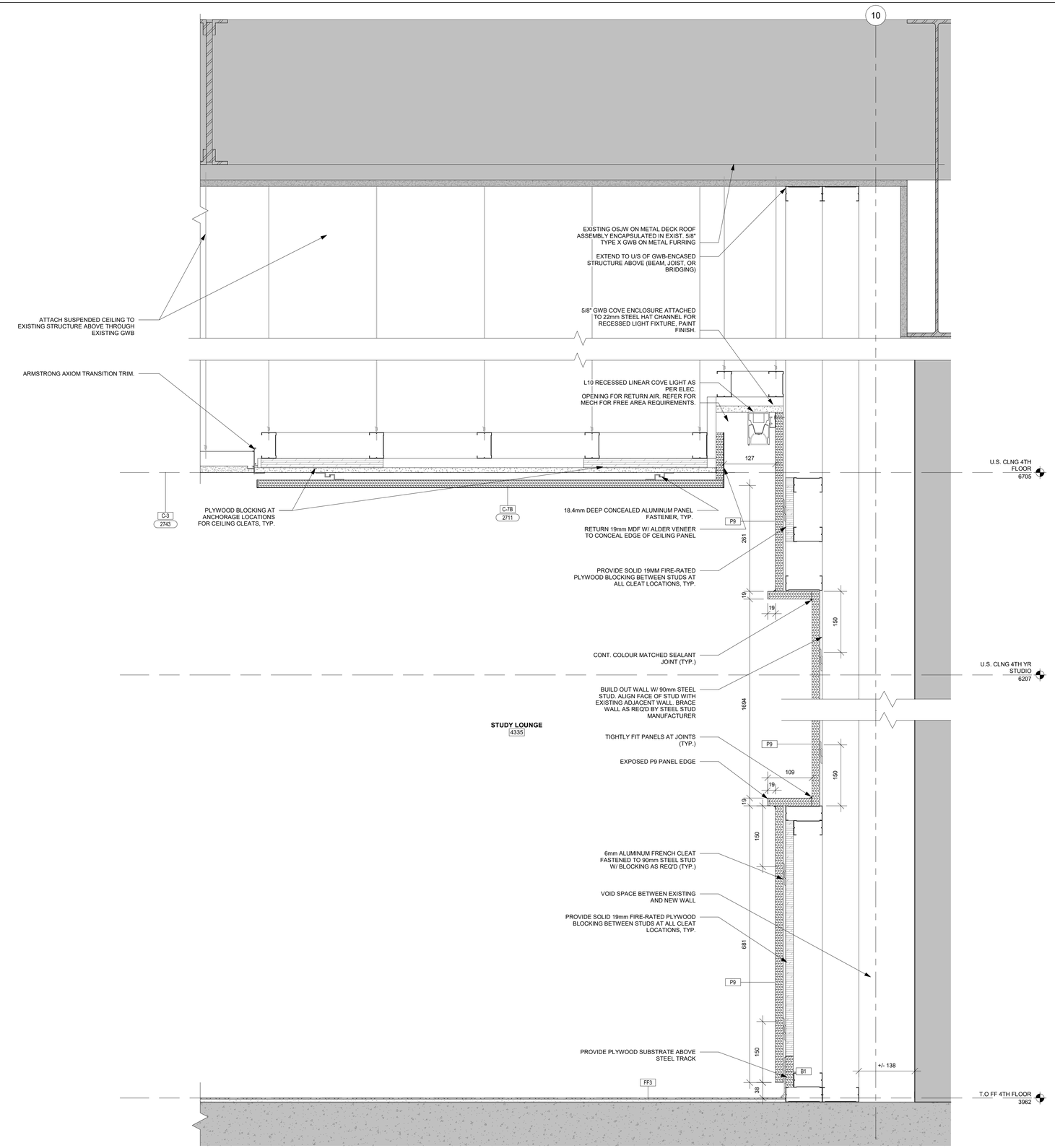
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1 / A650 WALL SECTION AT STUDY LOUNGE MILLWORK WALL

Scale: 1 : 5

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCOPE 5 - MILLWORK DETAILS

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ELECTRICAL LEGEND

LIGHTING FIXTURES

RECESSED SURFACE SUSPENDED	RECTANGULAR LIGHT FIXTURE
RECESSED SURFACE SUSPENDED WALL	LINEAR LIGHT FIXTURE
RECESSED SURFACE SUSPENDED WALL	CIRCULAR LIGHT FIXTURE
RECESSED SURFACE SUSPENDED	ASYMMETRICAL CIRCULAR LIGHT FIXTURE
LIGHT FIXTURE ON EMERGENCY POWER	
CEILING MOUNTED END MONUTED WALL MOUNTED	RUNNING MAN EXIT SIGN ARROW INDICATES DIRECTION OF TRAVEL DOUBLE BORDER INDICATES DOUBLE FACE

LIGHTING DEVICES

ON/OFF SWITCH DIMMER SWITCH	LINE VOLTAGE LIGHTING SWITCHES
SINGLE BUTTON SWITCH MULTIBUTTON SWITCH	LOW VOLTAGE LIGHTING SWITCHES
CEILING MOUNT CEILING MOUNT WALL MOUNT	OCCUPANCY SENSOR (CHEVRON INDICATES DIRECTION)
CEILING MOUNT CEILING MOUNT WALL MOUNT	PHOTO AND OCCUPANCY SENSOR (CHEVRON INDICATES DIRECTION)
CEILING MOUNT WALL MOUNT	PHOTO SENSOR
LIGHTING CONTROL NARRATIVE IDENTIFIER	

SECURITY

"PUSH TO OPEN" "PUSH TO LOCK" PUSH BUTTON	ACTIVATION DEVICES
INDICATOR AND SOUNDER BUTTON, INDICATOR AND SOUNDER	ASSISTANCE REQUIRED EMERGENCY CALL DEVICES
ACCESS STATION CARD READER KEYPAD	ACCESS DEVICES
DOOR OPERATOR MAGNETIC LOCK ELECTRIC STRIKE REQUEST TO EXIT SENSOR DOOR CONTACT ELECTRIC HINGE ELECTRIC LOCKSET PIEZO ELECTRIC SOUNDER	DOOR HARDWARE DEVICES
SECURITY CAMERA	
MOTION DETECTOR	

POWER

STANDARD MOUNTED ABOVE COUNTER 20A PLUG LOAD CONTROL	DUPLEX RECEPTACLE
STANDARD MOUNTED ABOVE COUNTER 20A PLUG LOAD CONTROL	DOUBLE DUPLEX RECEPTACLE
STANDARD MOUNTED ABOVE COUNTER 20A PLUG LOAD CONTROL	GFCI DUPLEX RECEPTACLE
STANDARD MOUNTED ABOVE COUNTER	SPECIAL RECEPTACLE
DIRECT CONNECTION	
JUNCTION BOX	
FLOOR BOX WALL BOX TABLE BOX FLOOR MONUMENT POKE THROUGH	ELECTRICAL BOX (REFER TO ELECTRICAL BOX SCHEDULE FOR MORE INFORMATION)
BASEBOARD CABINET HEATER CEILING HEATER UNIT HEATER	ELECTRIC HEATERS (REFER TO ELECTRICAL HEATER SCHEDULE FOR MORE INFORMATION)
CONTROL TRANSFORMER	
SURFACE MOUNT FLUSH MOUNT	PANELBOARD
TRANSFORMER	
NON-FUSIBLE FUSIBLE	DISCONNECT SWITCH (SIZE AS NOTED)
EQUIPMENT TAG **E**LECTRICAL, **F**IRE ALARM, **H**EATER, **C**AMERA, **D**ATA, **M**ECHANICAL, **K**ITCHEN, **L**ABORATORY, **O**WNER	

MECHANICAL

MOTOR	
MANUAL MAGNETIC COMBINATION SOLID STATE VARIABLE FREQUENCY DRIVE (VFD)	STARTERS
CONTACTOR	
RELAY	
THERMOSTAT	

DATA

STANDARD MOUNTED ABOVE COUNTER	TELECOMMUNICATION OUTLET # = QUANTITY OF OUTLETS X = TYPE OF OUTLET (D = DATA, V =VOICE, C = COAX, H = HDMI)
STANDARD MOUNTED ABOVE COUNTER	LOW VOLTAGE ROUGH-IN
TELEVISION OUTLET	
CEILING MOUNTED WALL MOUNTED	WIRELESS ACCESS POINT
CEILING MOUNTED WALL MOUNTED	CLOCK
CABLE TRAY - SIZE AS NOTED	

CONDUIT

CONDUIT RISE
CONDUIT DROP

FIRE ALARM

FIRE ALARM PANEL (FACP = FIRE ALARM CONTROL PANEL, FAAP = FIRE ALARM ANNUNCIATOR)	
CEILING MOUNT WALL MOUNT DUCT SMOKE DETECTOR	SMOKE DETECTOR (R = RELAY BASE)
CEILING MOUNT WALL MOUNT	RATE OF RISE HEAT DETECTOR (R = RELAY BASE)
CEILING MOUNT WALL MOUNT	FIXED AND RATE OF RISE HEAT DETECTOR (R = RELAY BASE)
STANDARD KEY OPERATED	MANUAL STATION (NC = NORMALLY CLOSED AUXILIARY CONTACTS)
FIRE ALARM STROBE	
AUDIBLE ONLY AUDIO-VISUAL	FIRE ALARM HORN

SOUND

CEILING MOUNTED WALL MOUNTED	SPEAKER

RENOVATION

EX EXISTING DEVICE TO REMAIN AS PRESENTLY INSTALLED
DR DISCONNECT AND REMOVE EXISTING DEVICE COMPLETELY
REL DISCONNECT AND REMOVE EXISTING DEVICE FOR RELOCATION
REL EXISTING DEVICE IN RELOCATED POSITION AND RECONNECTED AS PREVIOUS UNLESS NOTED OTHERWISE

ABBREVIATIONS

CM	=	CEILING MOUNTED
WM	=	WALL MOUNTED
FM	=	FLOOR MOUNTED
AFF	=	ABOVE FINISHED FLOOR
AFG	=	ABOVE FINISHED GRADE
BFG	=	BELOW FINISHED GRADE
BFC	=	BELOW FINISHED CEILING
WP	=	WEATHERPROOF
LSIG	=	LONG, SHORT, INSTANTANEOUS, GROUND-FAULT TRIP SETTINGS
AWG	=	AMERICAN WIRE GAUGE
NO/NC	=	NORMALLY OPEN / NORMALLY CLOSED
U/G	=	UNDERGROUND
O/H	=	OVERHEAD
ATS	=	AUTOMATIC TRANSFER SWITCH
MTS	=	MANUAL TRANSFER SWITCH
CT/PT	=	CURRENT TRANSFORMER / POTENTIAL TRANSFORMER

SINGLE LINE LEGEND

LINE TYPES

EX	EXISTING TO REMAIN
DR	DISCONNECT AND REMOVE
REL	DISCONNECT AND REMOVE FOR RELOCATION
REL	EXISTING IN RELOCATED POSITION
	NEW
	CONTROL WIRE
	LEVEL BOUNDARIES
	ROOM/AREA BOUNDARIES
XXX	FEEDER SIZE - REFER TO FEEDER SCHEDULE
X EXXX	CONTINUATION ON INDICATED SHEET

EQUIPMENT

	NON-FUSIBLE / FUSIBLE DISCONNECT SWITCH
	TRANSFORMER △ = DELTA (3 WIRE + GROUND) Y = WYE (4 WIRE + GROUND)
	ELECTRICAL PANEL - TAG INDICATES DESIGNATION REFER TO PANEL SCHEDULES FOR DETAILS

ANSI STANDARD FUNCTION NUMBERS

27	=	UNDERVOLTAGE RELAY
37	=	UNDERCURRENT / UNDERPOWER RELAY
38	=	BEARING RTD RELAY
46	=	CURRENT UNBALANCE RELAY
47	=	PHASE REVERSAL RELAY
49	=	STATOR RTD RELAY
50	=	INSTANTANEOUS OVERCURRENT
50G	=	INSTANTANEOUS GROUND FAULT
51	=	AC INVERSE TIME OVERCURRENT
51G	=	AC TIME GROUND FAULT
52	=	AC CIRCUIT BREAKER
59	=	OVERVOLTAGE RELAY
63	=	GAS PRESSURE RELAY
71	=	OIL LEVEL ALARM
81	=	FREQUENCY RELAY
86	=	LOCKOUT RELAY - MANUAL RESET
VR	=	VALVE CLOSING RELAY
95	=	TRIP CIRCUIT HEALTHY
96	=	TRANSMITTER

ELECTRICAL DRAWING LIST

NO.	DRAWING NAME
E001	ELECTRICAL NOTES, LEGENDS, AND DRAWING LIST
E101	ELECTRICAL OVERALL 3RD FLOOR PLAN
E102	ELECTRICAL OVERALL 4TH FLOOR PLAN
ED01	SCOPE 1- LARGE CLASSROOM DEMOLITION LIGHTING LAYOUT
ED02	SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO DEMOLITION LIGHTING LAYOUT
ED03	SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE DEMOLITION LIGHTING LAYOUT
ED04	SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE DEMOLITION LIGHTING LAYOUT
ED05	SCOPE 5 - MID SIZED CLASSROOM + STUDY SPACE DEMOLITION LIGHTING LAYOUT
ED06	SCOPE 6 (ALT PRICE 3) - HALLWAY DEMOLITION LIGHTING LAYOUT
ED07	SCOPE 6 (ALT PRICE 4) - WEST CORRIDOR DEMOLITION LIGHTING LAYOUT
ED08	SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR DEMOLITION LIGHTING LAYOUT
ED09	SCOPE 1 - LARGE CLASSROOM DEMOLITION POWER LAYOUT
ED10	SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO DEMOLITION POWER LAYOUT
ED11	SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE DEMOLITION POWER LAYOUT
ED12	SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE DEMOLITION POWER LAYOUT
ED13	SCOPE 5 - MID SIZED CLASSROOM+ STUDY SPACE DEMOLITION POWER AND SYSTEMS LAYOUT
ED14	SCOPE 6 (ALT PRICE 3) - HALLWAY DEMOLITION POWER LAYOUT
ED15	SCOPE 6 (ALT PRICE 4) - WEST CORRIDOR DEMOLITION POWER LAYOUT
ED16	SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR DEMOLITION POWER LAYOUT
E201	SCOPE 1 - LARGE CLASSROOM LIGHTING LAYOUT
E202	SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO LIGHTING LAYOUT
E203	SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE LIGHTING LAYOUT
E204	SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE LIGHTING LAYOUT
E205	SCOPE 5 - MID SIZED CLASSROOM+ STUDY SPACE LIGHTING LAYOUT
E206	SCOPE 6 (ALT PRICE 3) - HALLWAY LIGHTING LAYOUT
E207	SCOPE 6 (ALT PRICE 4) - WEST CORRIDOR LIGHTING LAYOUT
E208	SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR LIGHTING LAYOUT
E301	SCOPE 1 - LARGE CLASSROOM POWER LAYOUT
E302	SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO POWER LAYOUT
E303	SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE POWER LAYOUT
E304	SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE POWER LAYOUT
E305	SCOPE 5 - MID SIZED CLASSROOM+ STUDY SPACE POWER LAYOUT
E306	SCOPE 6 (ALT PRICE 3) - HALLWAY POWER LAYOUT
E307	SCOPE 6 (ALT PRICE 4) - WEST CORRIDOR POWER LAYOUT
E308	SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR POWER LAYOUT
E801	ELECTRICAL SINGLE LINE DIAGRAM
E802	ELECTRICAL DETAILS
E803	ELECTRICAL DETAILS
E901	ELECTRICAL SCHEDULES
E902	ELECTRICAL SCHEDULES
E903	ELECTRICAL SCHEDULES

CLIENT LOGO

UNIVERSITY OF WATERLOO

KEYPLAN

No.	ISSUANCE	DATE
1	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
2	ISSUED FOR REVIEW	2026-06-17
3	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
4	ISSUED FOR 90% CD	2026-09-29
5	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

ELECTRICAL NOTES, LEGENDS, AND DRAWING LIST

WALTERFEDY

TORONTO | CALGARY | EDMONTON | **KITCHENER** | HAMILTON

800.685.1378 **walterfedy.com**

SEAL

LICENSED PROFESSIONAL ENGINEER
T. W. DIETRICH
100109459
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

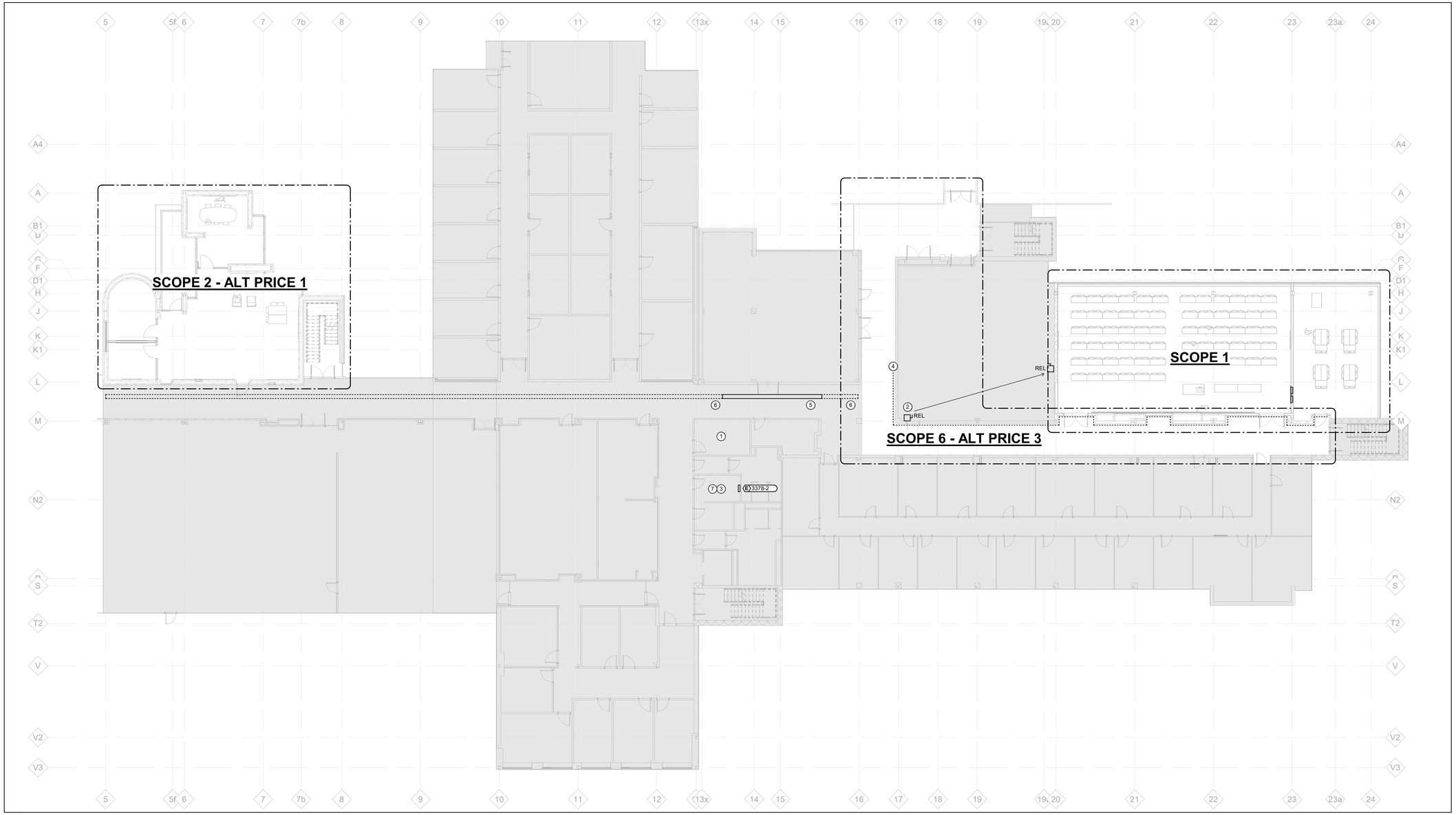
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DATE :	2026-11-05
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E001



1 E101 3RD FLOOR KEYPLAN

Scale: 1 : 150

DRAWING NOTES:

1. INDICATES LOCATION OF DATA/SECURITY ROOM ON FLOOR. ROUTE ALL DATA CABLING TO NOTED ROOM. USE EXISTING CABLE TRAYS IN CEILING SPACE WHERE APPROPRIATE. IF SCOPE 6 ALT PRICE 3 IS NOT IN FINAL SCOPE, PROVIDE PRICING TO RUN DATA WIRING FROM SCOPE 1 TO DATA ROOM THROUGH EXISTING CEILING SPACE AS PART OF BASE SCOPE. COORDINATE WITH ARCHITECTURAL AND DESIGNATED SUBSTANCES REPORT.
2. INDICATES EXISTING MECHANICAL DISCONNECT TO BE RELOCATED TO NEW LOCATION TO ACCOMMODATE NEW DOOR OPENING. COORDINATE EXACT LOCATION WITH MECHANICAL. NOTED WORK IS TO BE COMPLETED AS PART OF SCOPE 1.
3. INDICATES LOCATION OF ELECTRICAL ROOM AND EXISTING EMERGENCY POWER PANEL 3372-2 (SQARE D NAIB). PROVIDE ONE NEW 20A-1P BREAKER TO FEED 4TH FLOOR EMERGENCY LIGHTING. FEED CIRCUIT UP THROUGH THIS ELECTRICAL ROOM INTO 4TH FLOOR ELECTRICAL ROOM TO ACCESS 4TH FLOOR CEILING SPACE.
4. PROVIDE 2" J-HOOKS ON 1.5m CENTRES ALONG CORRIDOR FOR ROUTING OF DATA CABLES FROM SCOPE 1 TO DATA ROOM. THIS WORK TO BE PRICED AS PART OF SCOPE 1.
5. INDICATES KNOWN LOCATION OF EXISTING CABLE TRAY IN CEILING SPACE. USE EXISTING CABLE TRAY TO ROUTE DATA CABLES TO DATA/SECURITY ROOM.
6. INDICATES ASSUMED LAYOUT OF EXISTING CABLE TRAY IN CEILING SPACE. INFORM CONSULTANT IF NO CABLE TRAY IS AVAILABLE.
7. INDICATES LOCATION OF EXISTING EDWARDS EST3 FIRE ALARM CONTROL PANEL IN SECOND FLOOR ELECTRICAL ROOM DIRECTLY BELOW THIRD FLOOR ELECTRICAL ROOM.

GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

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KEYPLAN

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5	ISSUED FOR 90% CD	2026-09-29
6	ISSUED FOR TENDER	2026-11-05

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UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

ELECTRICAL OVERALL 3RD FLOOR PLAN

WALTERFEDY

TORONTO | CALGARY | EDMONTON | **KITCHENER** | HAMILTON

800.685.1378 **walterfedy.com**

SEAL

LICENSED PROFESSIONAL ENGINEER
T. W. DIETRICH
100109489
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

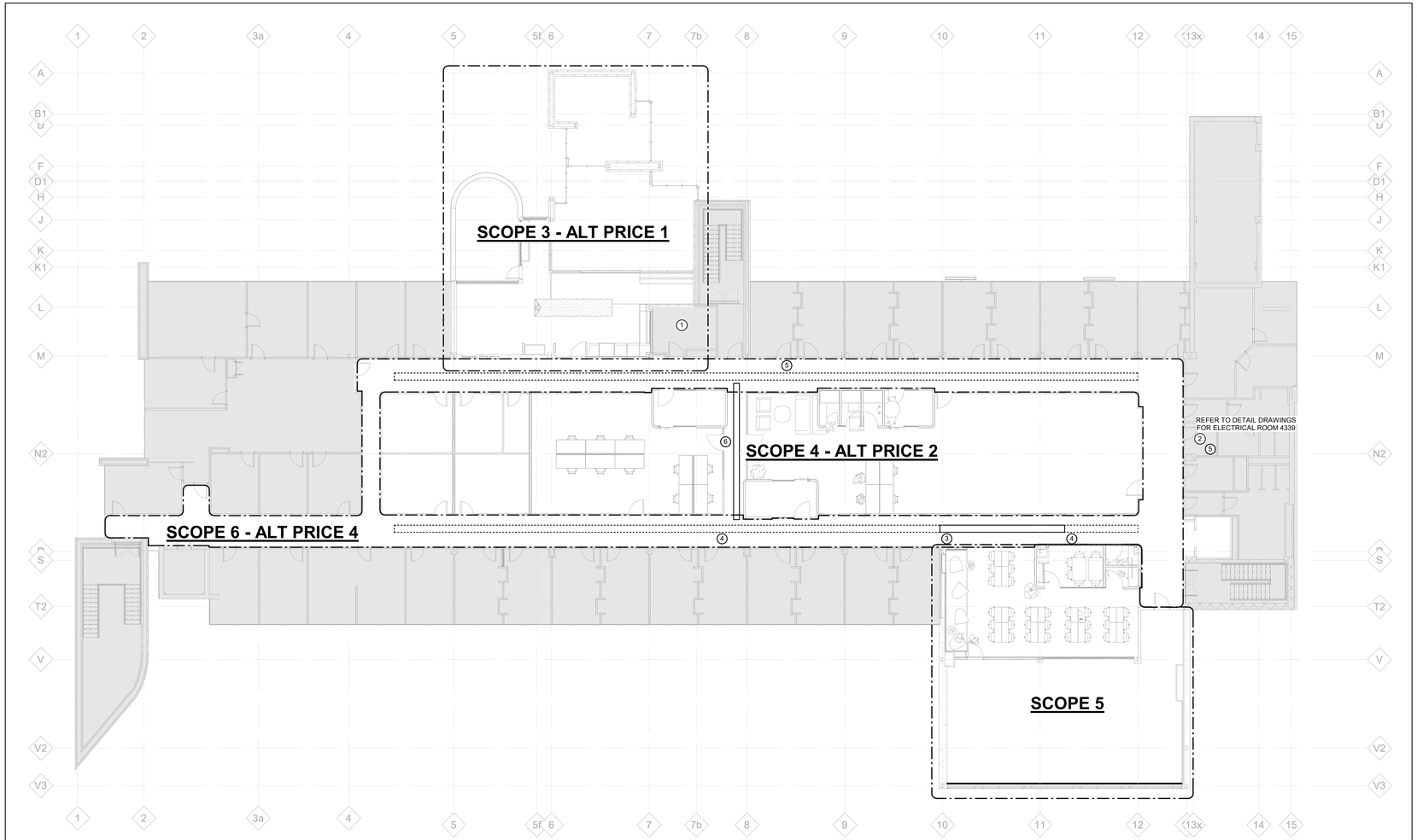
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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E101



1 E102 4TH FLOOR KEYPLAN
Scale: 1 : 150

DRAWING NOTES:

1. INDICATES LOCATION OF DATA/SECURITY ROOM ON FLOOR. ROUTE ALL DATA CABLING TO NOTED ROOM. USE EXISTING CABLE TRAYS IN CEILING SPACE WHERE APPROPRIATE. IF SCOPE 6 ALT PRICE 4 IS NOT IN FINAL SCOPE: PROVIDE PRICING TO RUN DATA WIRING FROM SCOPE 5 TO DATA ROOM THROUGH EXISTING CEILING SPACE AS PART OF BASE SCOPE. COORDINATE WITH ARCHITECTURAL AND DESGINATED SUBSTANCES REPORT.
2. INDICATES LOCATION OF ELECTRICAL ROOM 4339. REFER TO SINGLE LINE DIAGRAM FOR NEW TRANSFORMER AND PANEL TO FEED 4TH FLOOR 120V LIGHTING. NOTED WORK IS TO BE COMPLETED AS PART OF SCOPE 5 BASE SCOPE.
3. INDICATES KNOWN LOCATION OF EXISTING CABLE TRAY IN CEILING SPACE. USE EXISTING CABLE TRAY TO ROUTE DATA CABLES TO DATA/SECURITY ROOM.
4. INDICATES ASSUMED LAYOUT OF EXISTING CABLE TRAY IN CEILING SPACE. INFORM CONSULTANT IF NO CABLE TRAY IS AVAILABLE.
5. NEW EMERGENCY LIGHTING CIRCUIT TO BE ROUNTED UP THROUGH NOTED ELECTRICAL ROOM FROM THIRD FLOOR. IF SCOPE 6 ALT PRICE 4 IS NOT IN FINAL SCOPE, PROVIDE PRICING TO RUN EMERGENCY LIGHTING CIRCUIT TO SCOPE 5 AS PART OF BASE SCOPE. COORDINATE WITH ARCHITECTURAL AND DESIGNATED SUBSTANCES REPORT.
6. IF SCOPE 6 ALT PRICE 4 IS NOT IN FINAL SCOPE, PROVIDE 2"X6" CABLE TRAY FOR ROUTING OF DATA CABLING FROM SCOPE 5 TO DATA ROOM THROUGH THIS CORRIDOR AS PART OF BASE SCOPE.

GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

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200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

ELECTRICAL OVERALL 4TH FLOOR PLAN

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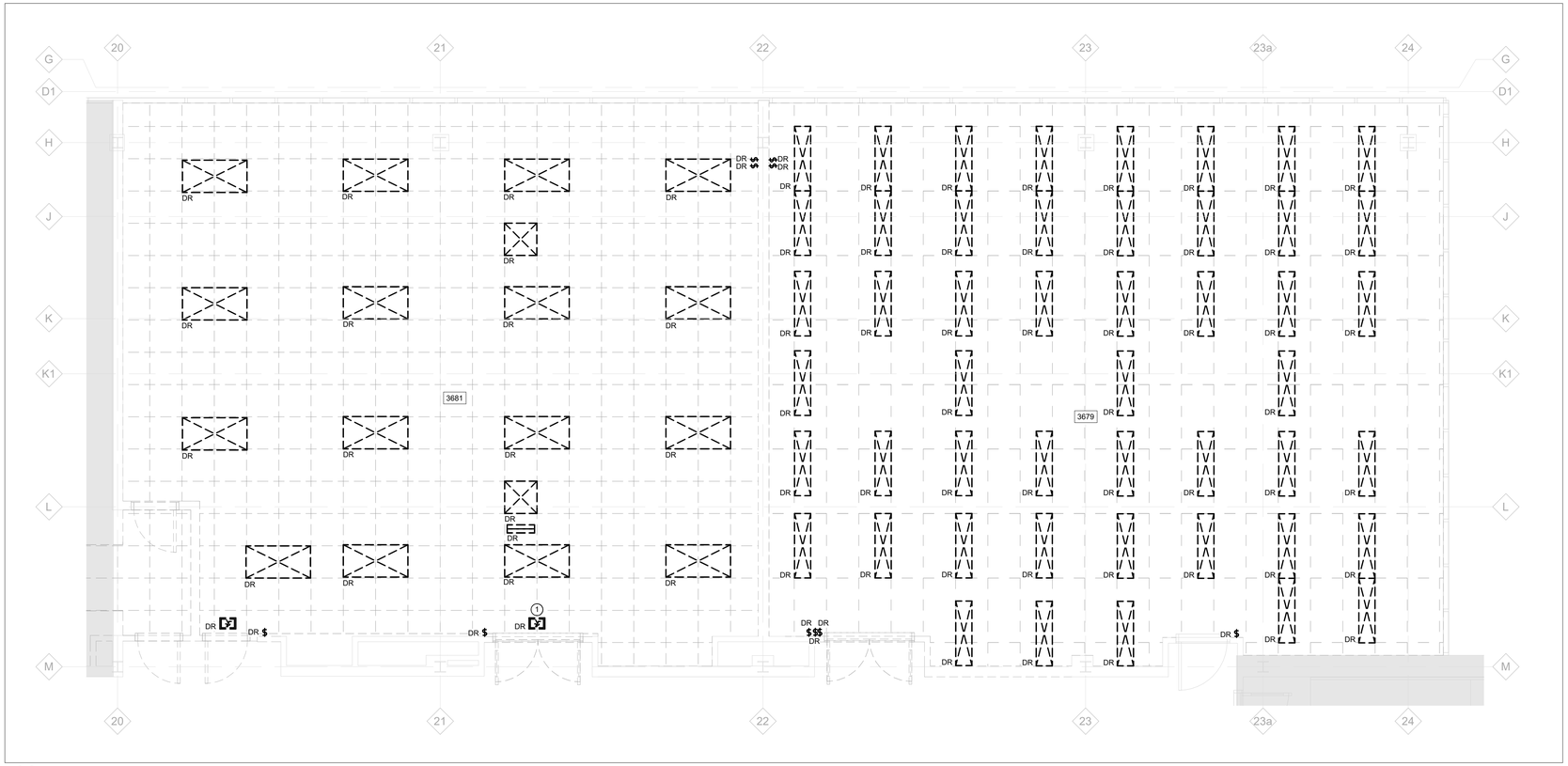
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CHECKED BY :	K. Shi

SHEET NO :

E102



1 ED01 SCOPE 1 - LARGE CLASSROOM DEMOLITION LIGHTING LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

(1) RETAIN EXISTING EXIT SIGN CIRCUIT FOR RENOVATION USE.

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200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

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200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 1- LARGE CLASSROOM DEMOLITION LIGHTING LAYOUT

WALTERFEDY

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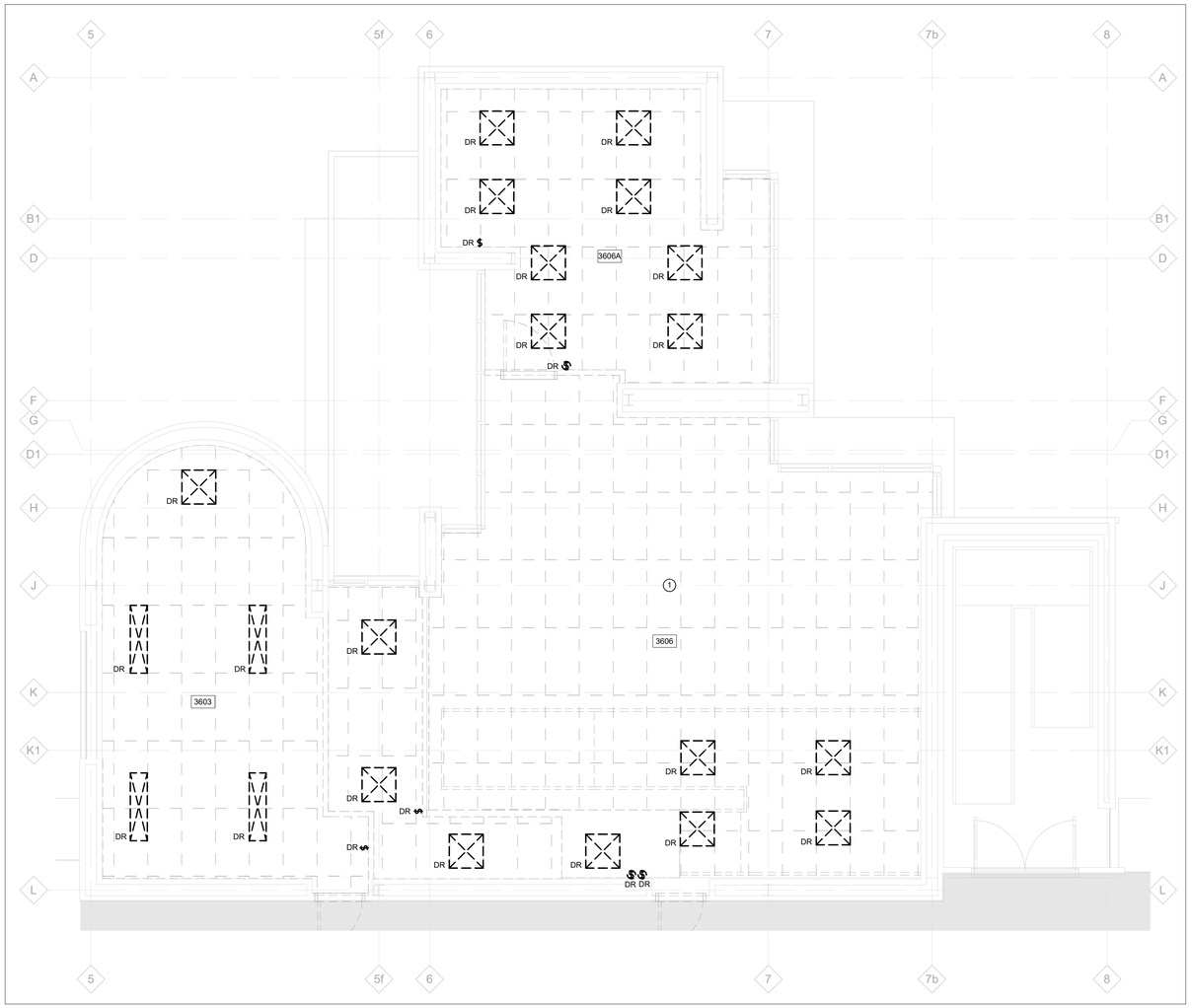
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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

ED01



1 ED02 SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO DEMOLITION LIGHTING LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.
2. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 1 UNLESS OTHERWISE NOTED.

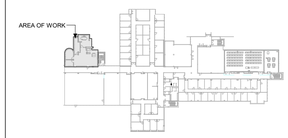
DRAWING NOTES:

(1) REFER TO SCOPE 3 DEMOLITION DRAWINGS FOR EXISTING LIGHTING LAYOUT IN HIGH CEILING.

CLIENT LOGO

UNIVERSITY OF WATERLOO

KEYPLAN



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CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

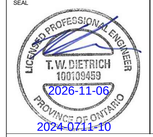
SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO DEMOLITION LIGHTING LAYOUT

WALTERFEDY

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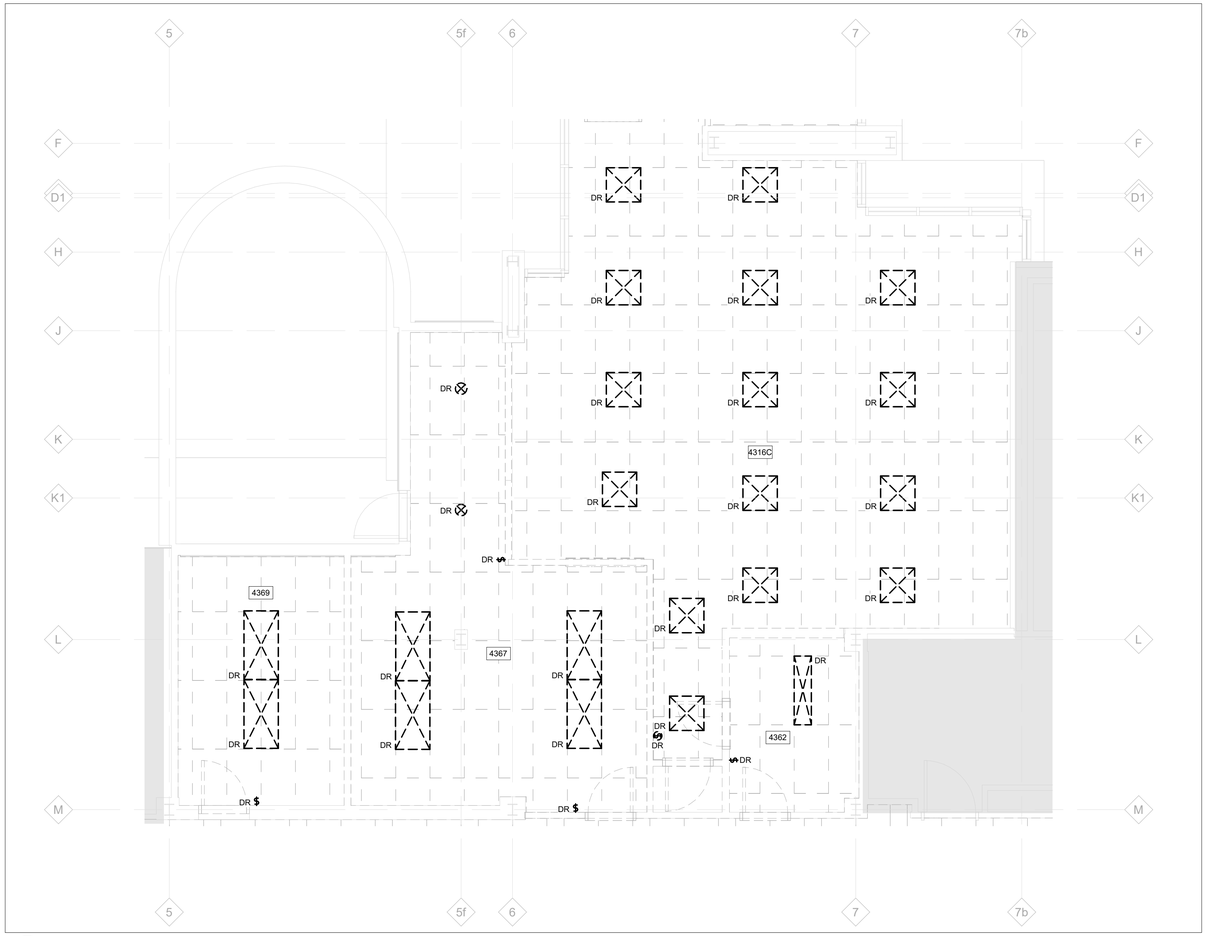
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PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

ED02



1 ED03 SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE DEMOLITION LIGHTING LAYOUT

Scale: 1 : 50

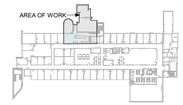
GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.
2. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 1 UNLESS OTHERWISE NOTED.

CLIENT LOGO

UNIVERSITY OF WATERLOO

KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-02-19
2	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
3	ISSUED FOR REVIEW	2026-06-17
4	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
5	ISSUED FOR 90% CD	2026-09-29

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE DEMOLITION LIGHTING LAYOUT

WALTERFEDY

TORONTO | CALGARY | EDMONTON | **KITCHENER** | HAMILTON

800.685.1378 **walterfedy.com**

SEAL

LICENSED PROFESSIONAL ENGINEER
T. W. DIETRICH
100109489
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

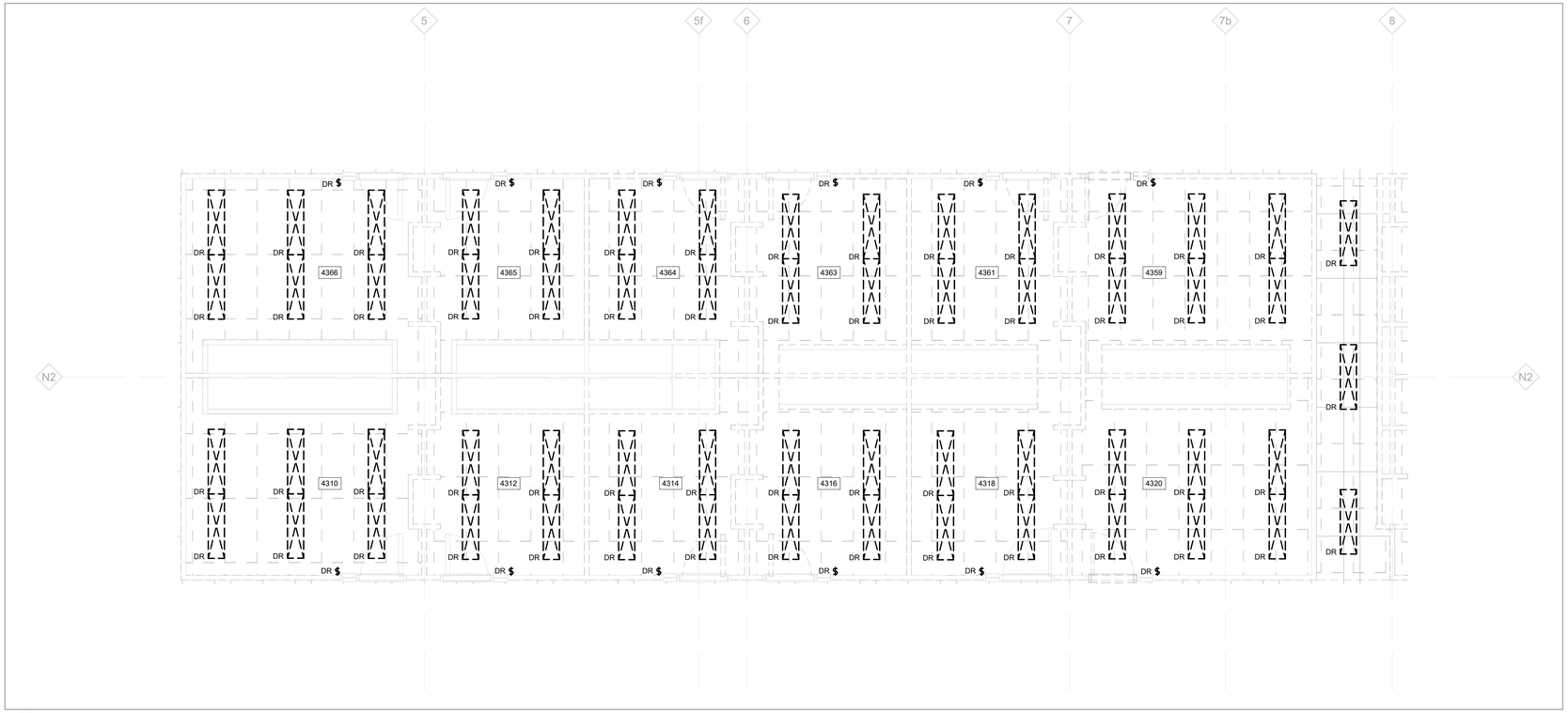
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DATE :	2026-09-29
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

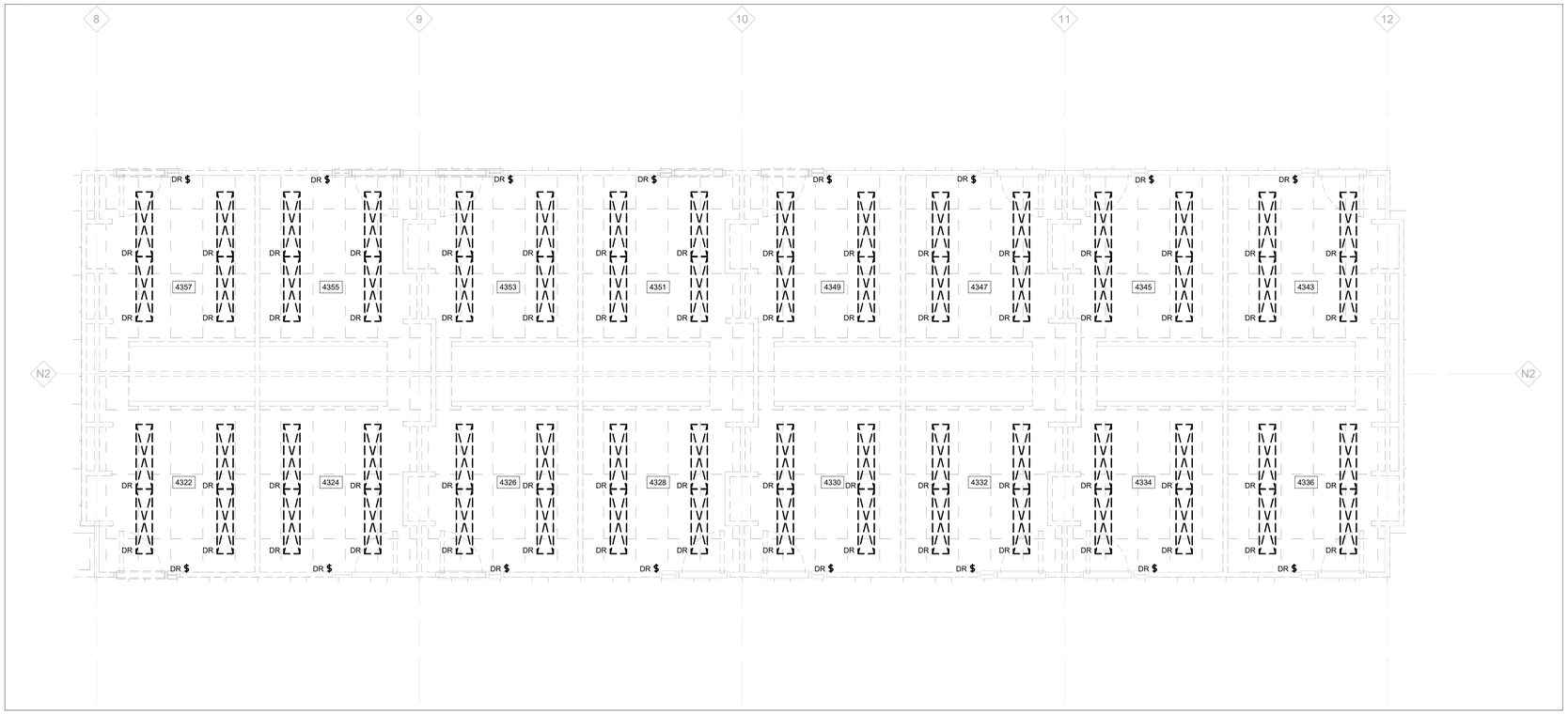
SHEET NO :

ED03



1 ED04 SCOPE 4 (ALT PRICE 2) - WEST PHD OPEN OFFICE DEMOLITION LIGHTING LAYOUT

Scale: 1 : 50



2 ED04 SCOPE 4 (ALT PRICE 2) - EAST PHD OPEN OFFICE DEMOLITION LIGHTING LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 2 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

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KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-02-19
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4	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
5	ISSUED FOR 90% CD	2026-09-29

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE DEMOLITION LIGHTING LAYOUT

WALTERFEDY

TORONTO | CALGARY | EDMONTON | **KITCHENER** | HAMILTON

800.685.1378 **walterfedy.com**

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T. W. DIETRICH
100109459
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

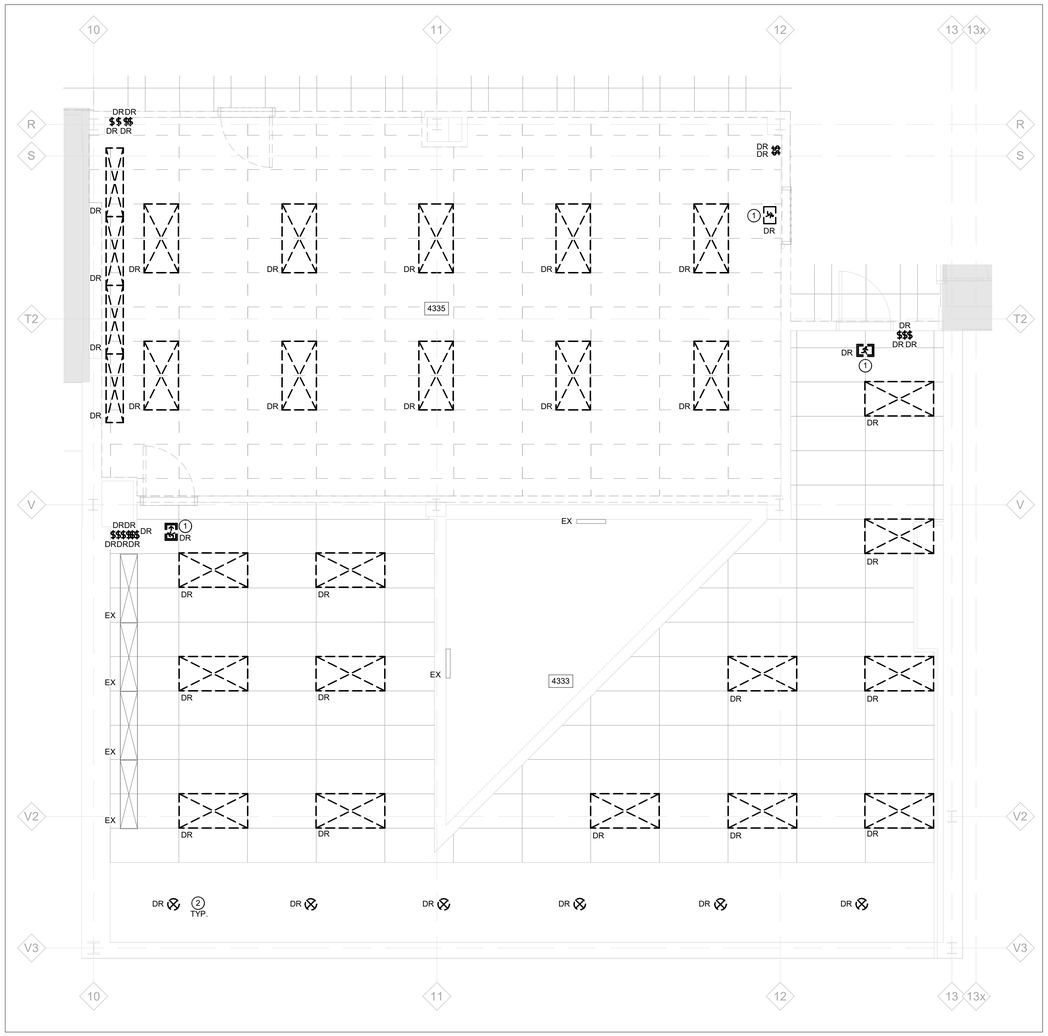
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CHECKED BY :	K. Shi

SHEET NO :

ED04



1 ED05 SCOPE 5 - MID SIZED CLASSROOM+ STUDY SPACE DEMOLITION LIGHTING LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

(1) RETAIN EXISTING EXIT SIGN CIRCUIT FOR RENOVATION USE.

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No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-02-19
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CLIENT

UNIVERSITY OF WATERLOO

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PROJECT

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TITLE

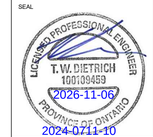
SCOPE 5 - MID SIZED CLASSROOM + STUDY SPACE DEMOLITION LIGHTING LAYOUT

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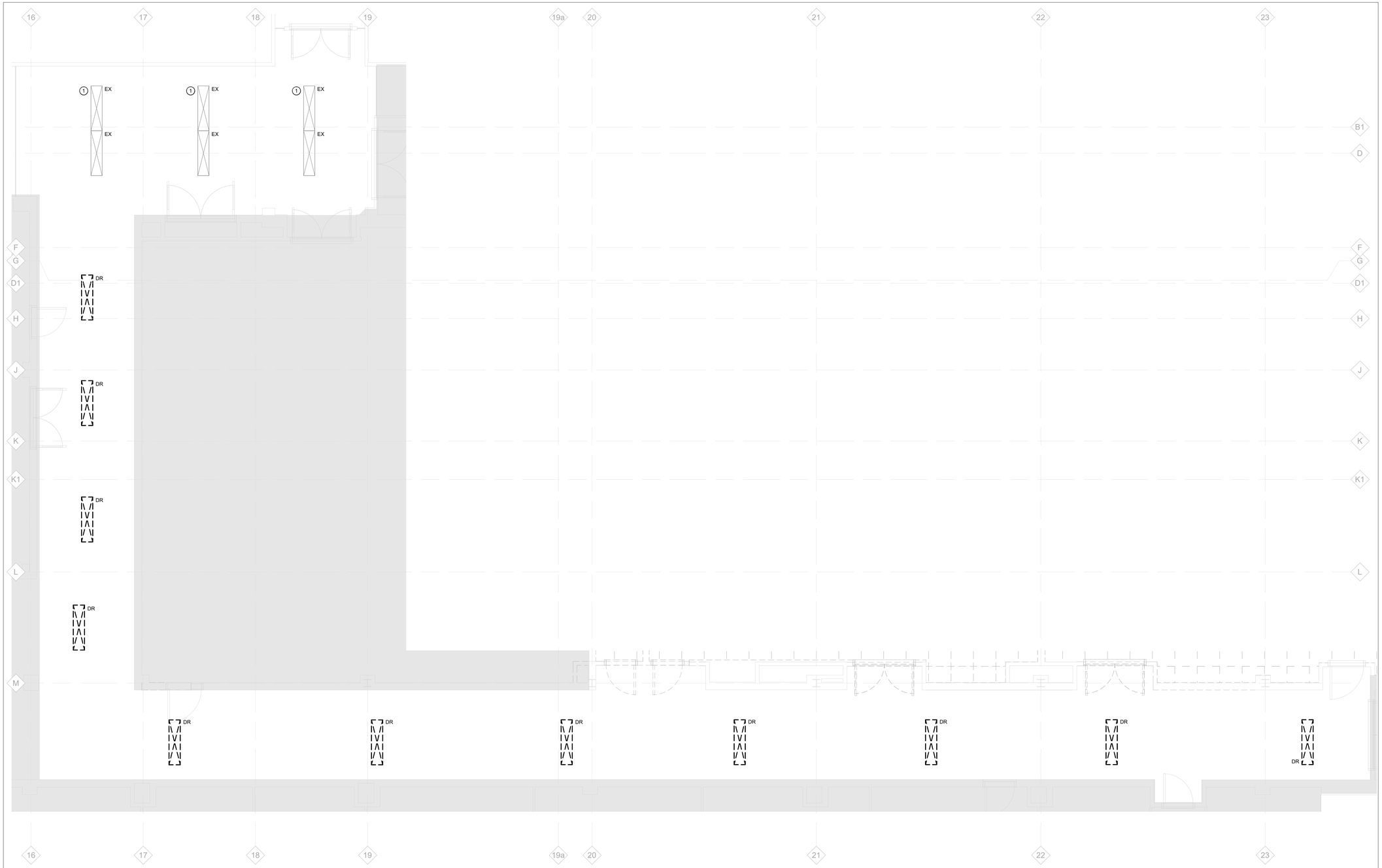
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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

ED05



1 ED06 SCOPE 6 (ALT PRICE 3) - HALLWAY DEMOLITION LIGHTING LAYOUT

Scale: 1 : 50

DRAWING NOTES:

1. MAINTAIN EXISTING POWER CONNECTION TO EXISTING LIGHTING THROUGH DEMO AND RENOVATION OF HALLWAY.

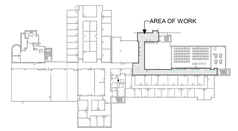
GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 3 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.
3. ALL DEMOLITION AND RENOVATION WORK (INCLUSIVE OF ALL DISCIPLINE SCOPES) WITHIN CEILING SPACE OF THIS SCOPE ARE NOT TO EXCEED 1 SQUARE METER OF TOTAL DISTURBANCE TO EXISTING FIRESPRAY IN CEILING SPACE.

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KEYPLAN



No.	ISSUANCE	DATE
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4	ISSUED FOR 90% CD	2026-09-29

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UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 6 (ALT PRICE 3) - HALLWAY DEMOLITION LIGHTING LAYOUT

WALTERFEDY

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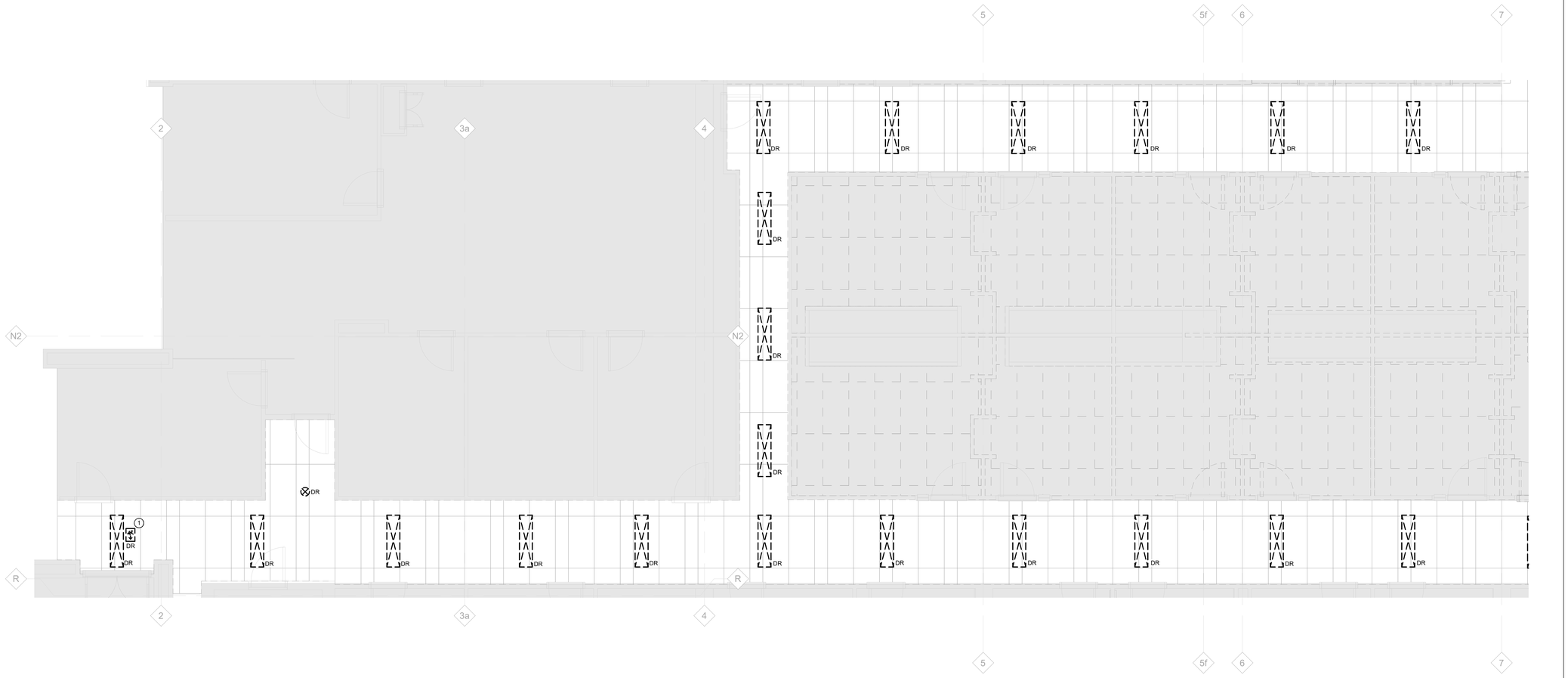
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CHECKED BY :	K. Shi

SHEET NO :

ED06



1 ED07 SCOPE 6 (ALT PRICE 4) - WEST CORRIDOR DEMOLITION LIGHTING LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 4 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

(1) RETAIN EXISTING EXIT SIGN CIRCUIT FOR RENOVATION USE.

CLIENT LOGO

UNIVERSITY OF WATERLOO

KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-06-17
2	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
3	ISSUED FOR 90% CD	2026-09-29

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

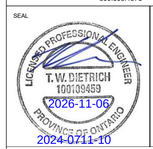
SCOPE 6 (ALT PRICE 4) - WEST CORRIDOR DEMOLITION LIGHTING LAYOUT

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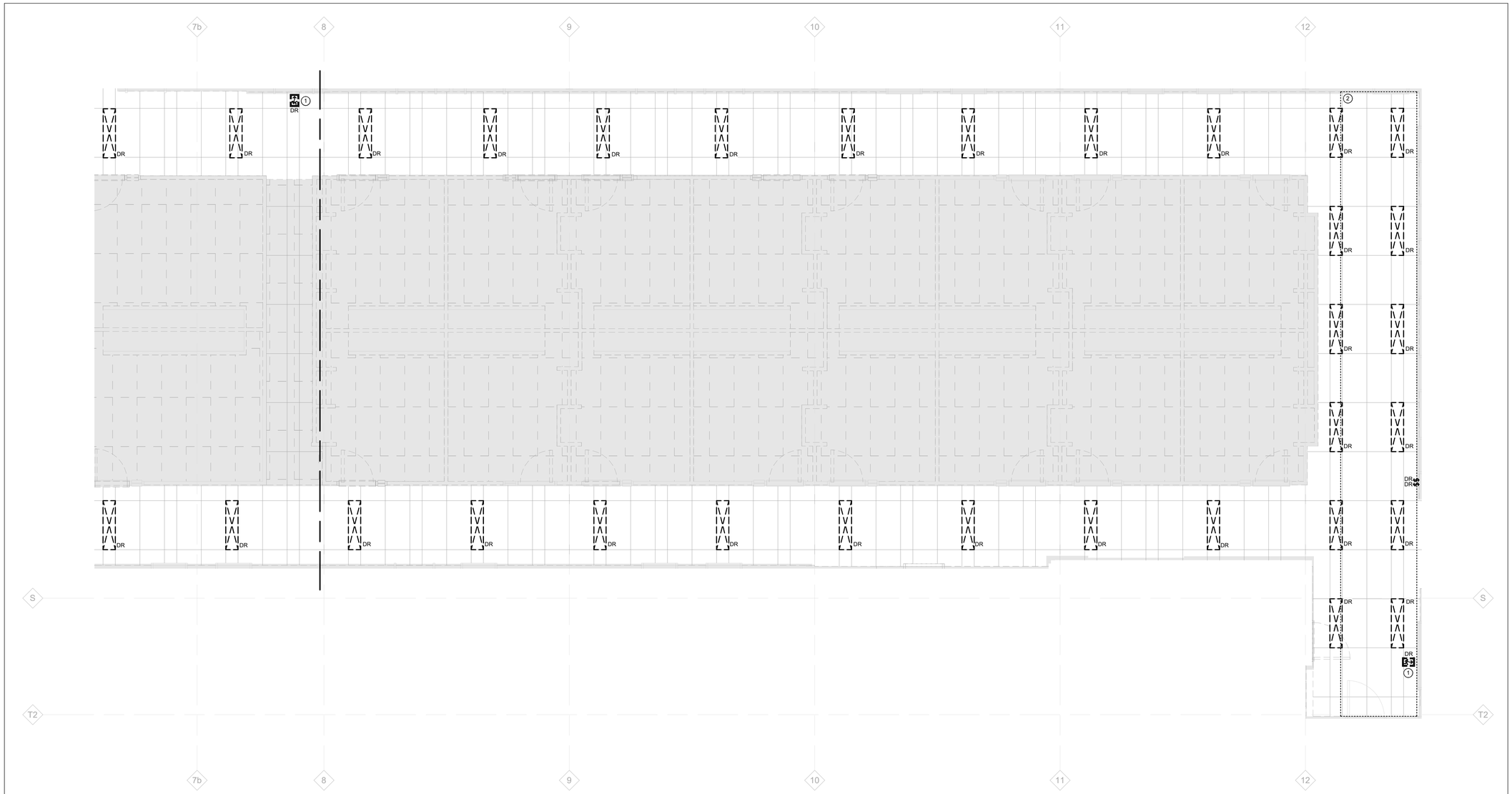
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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

ED07



1 ED08 SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR DEMOLITION LIGHTING LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 4 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

1. RETAIN EXISTING EXIT SIGN CIRCUIT FOR RENOVATION USE.
2. ALL DEMOLITION AND RENOVATION WORK (INCLUSIVE OF ALL DISCIPLINE SCOPES) WITHIN CEILING SPACE OF NOTED APPROXIMATE AREA ARE NOT TO EXCEED 1 SQUARE METER OF TOTAL DISTURBANCE TO EXISTING FIRESPRAY IN CEILING SPACE. REFER TO DESIGNATED SUBSTANCES REPORT FOR EXACT AREA BOUNDARY AND REQUIREMENTS.

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KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-06-17
2	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
3	ISSUED FOR 90% CD	2026-09-29

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR DEMOLITION LIGHTING LAYOUT

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LICENSED PROFESSIONAL ENGINEER
T. W. DIETRICH
100109459
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

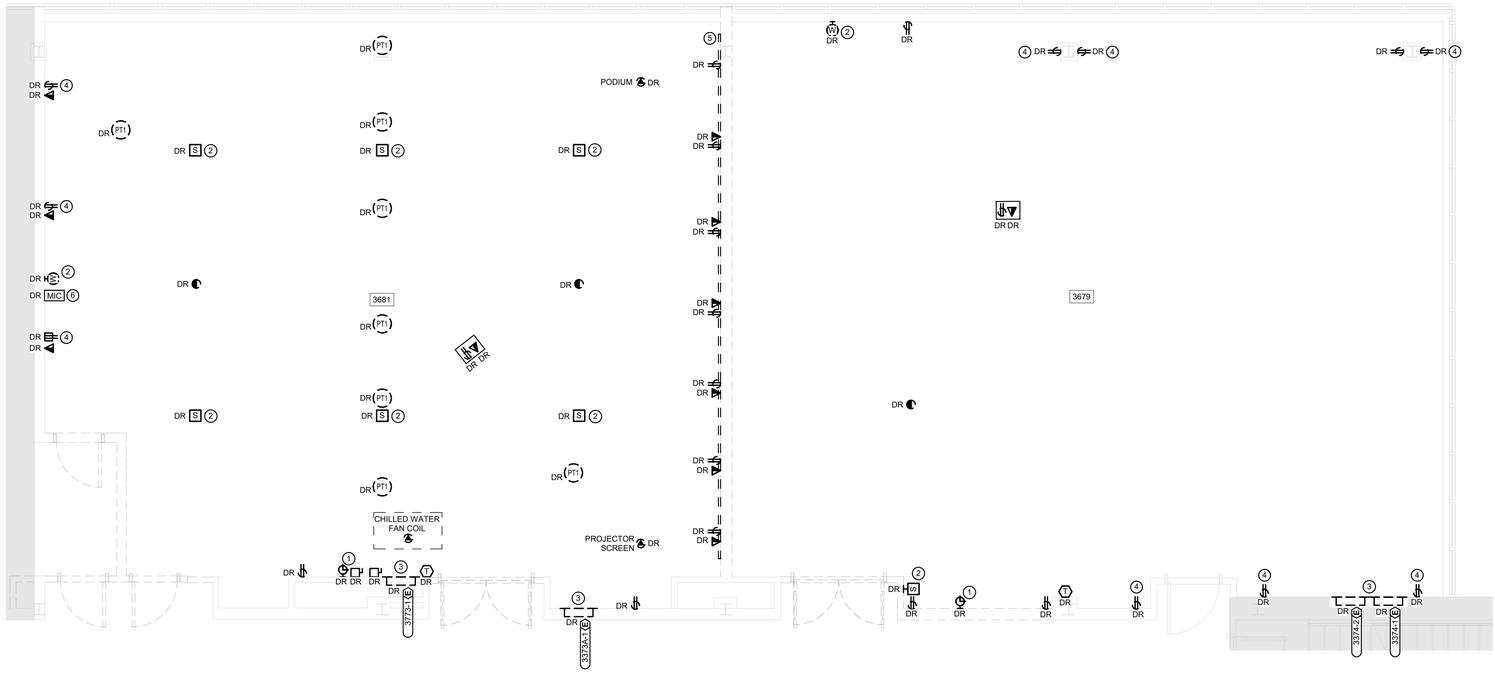
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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

ED08



1 ED09 SCOPE 1 - LARGE CLASSROOM DEMOLITION POWER LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR ALL DEMOLITION WORK.

DRAWING NOTES:

1. RETAIN EXISTING CLOCK AND CLOCK CIRCUIT FOR RELOCATION IN RENOVATION DRAWINGS.
2. RETAIN EXISTING SPEAKERS AND WIRELESS ACCESS POINTS AND TURNOVER TO OWNER FOR REUSE.
3. RETAIN FEEDERS TO EXISTING PANELS TO BE DEMOLISHED TO FEED NEW PANELS IN RENOVATED SPACE.
4. RETAIN EXISTING OUTLET BOX AND CONDUIT FOR RE-USE FOR NEW RECESSED RECEPTACLE AT SAME LOCATION. REFER TO RENOVATION PLANS.
5. INDICATES SURFACE RACEWAY TO BE DEMOLISHED.
6. RETAIN EXISTING MICROPHONE AND TURNOVER TO OWNER FOR REUSE.

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KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
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4	ISSUED FOR 90% CD	2026-09-29

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200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 1 - LARGE CLASSROOM DEMOLITION POWER LAYOUT

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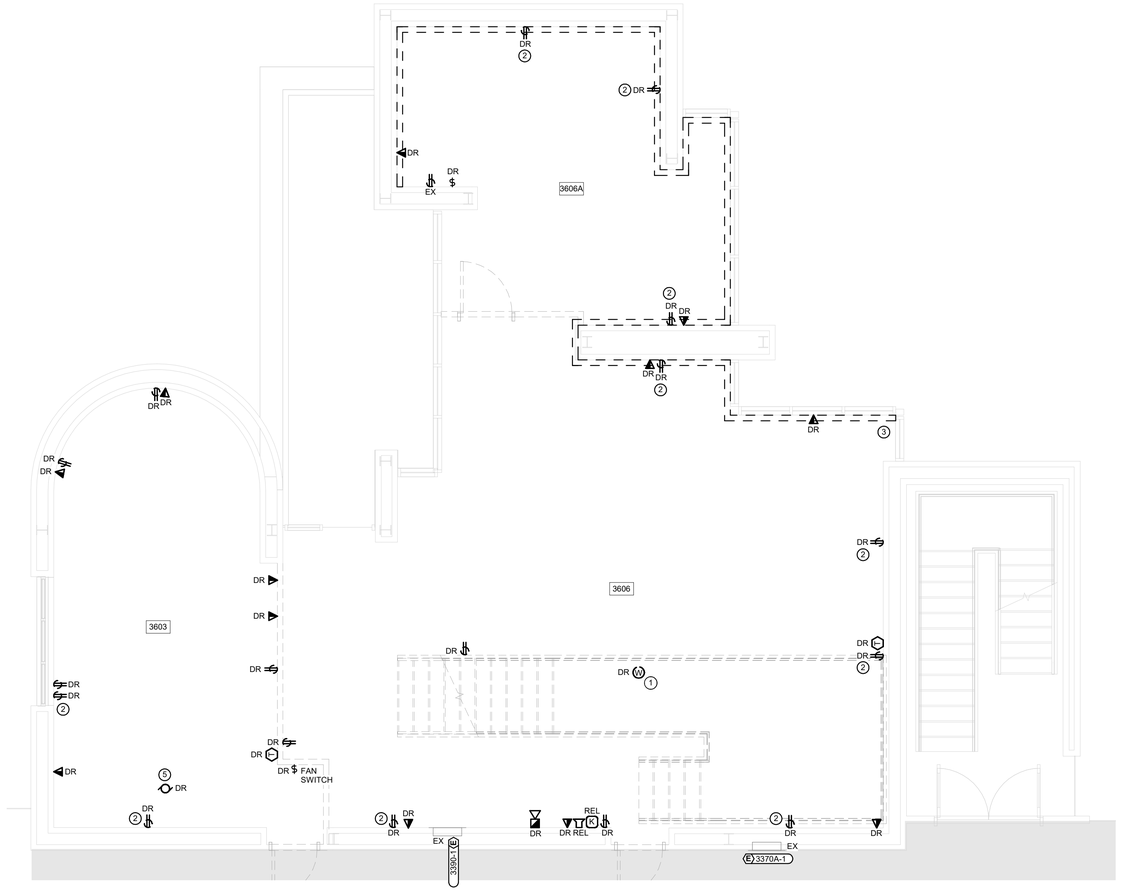
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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

ED09



1 ED10 SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO DEMOLITION POWER LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.
2. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 1 UNLESS OTHERWISE NOTED.

DRAWING NOTES:

1. RETAIN EXISTING WIRELESS ACCESS POINT AND TURNOVER TO OWNER FOR REUSE.
2. RETAIN EXISTING OUTLET BOX AND CONDUIT FOR RE-USE FOR NEW RECESSED RECEPTACLE AT SAME LOCATION. REFER TO RENOVATION PLANS.
3. INDICATES EXISTING SURFACE RACEWAY TO BE DEMOLISHED. INCLUDING INCOMING CONDUIT UP TO CEILING SPACE.
4. RETAIN EXISTING OUTLET BOX AND SIGNAL CIRCUIT FOR RE-USE FOR NEW HORN STROBE AT SAME LOCATION. REFER TO RENOVATION PLANS.
5. RETAIN EXISTING CIRCUIT FOR NOTED FAN TO RE-USE ON NEW TRANSFER FAN. REFER TO RENOVATION PLANS.

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KEYPLAN



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1	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
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CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO DEMOLITION POWER LAYOUT

WALTERFEDY

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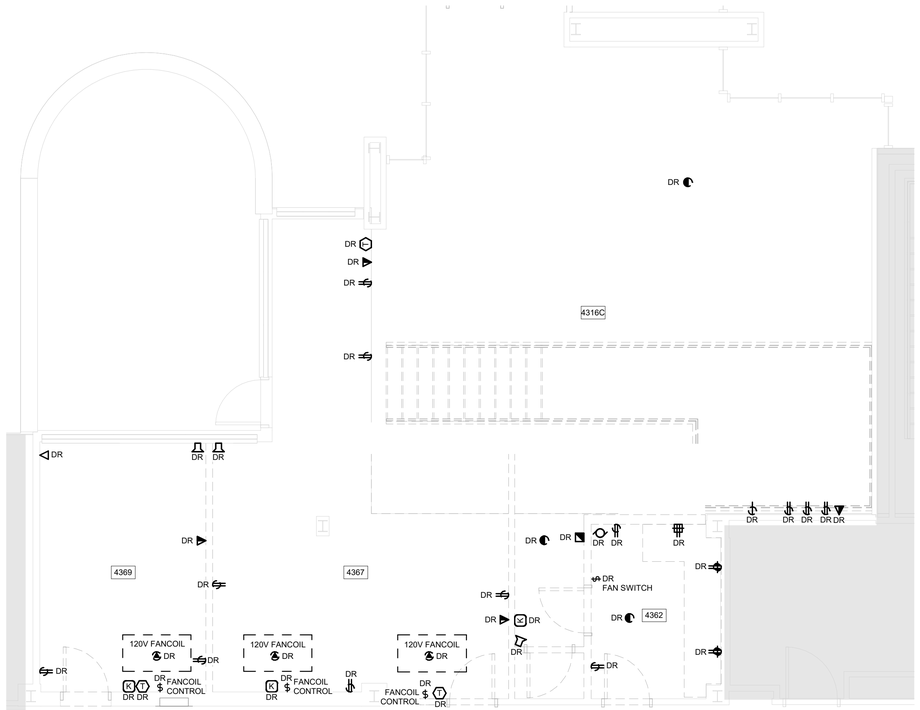
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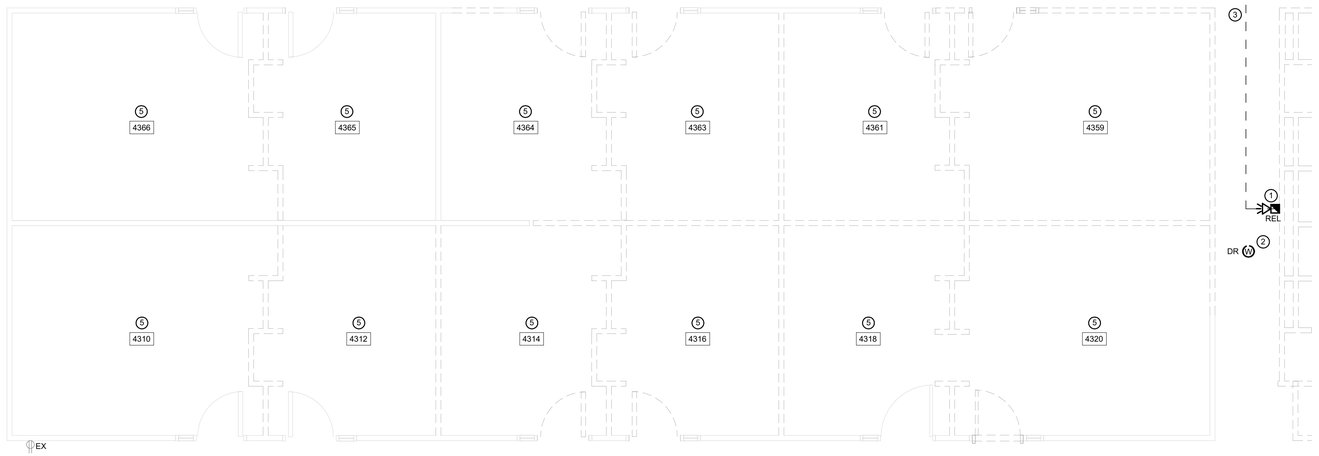
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CHECKED BY :	K. Shi

SHEET NO :

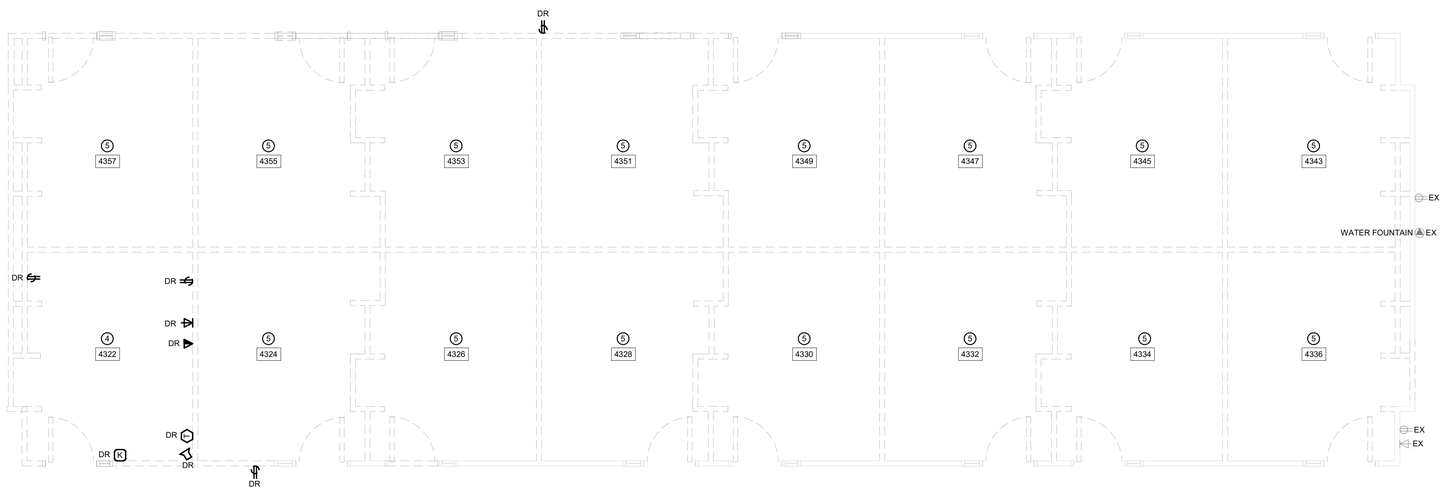
ED10


DR
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DR
DR
4316C
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DR
DR



2 ED12 SCOPE 4 (ALT PRICE 2) - WEST PHD OPEN OFFICE DEMOLITION POWER LAYOUT

Scale: 1 : 50



1 ED12 SCOPE 4 ALT PRICE 1 - EAST PHD OPEN OFFICE DEMOLITION POWER LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. ALL WORK SHOWN WITHING THIS SCOPE ARE TO BE ALTERNATE PRICE 2 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

1. REUSE NOTED HORN STROBE. REFER TO RENOVATION DRAWINGS.
2. RETAIN EXISTING WIRELESS ACCESS POINTS AND TURNOVER TO OWNER FOR REUSE.
3. INDICATES APPROXIMATE ROUTING OF EXISTING SURFACE RUN FIRE ALARM WIRING.
4. INDICATES TYPICAL DEVICE LAYOUT OF EXISTING OFFICE.
5. DEMOLISH ALL DEVICES WITHIN SCOPE AREA. REFER TO TYPICAL OFFICE LAYOUT FOR APPROXIMATE NUMBER OF DEVICES PER OFFICE.

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KEYPLAN



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CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE DEMOLITION POWER LAYOUT

WALTERFEDY

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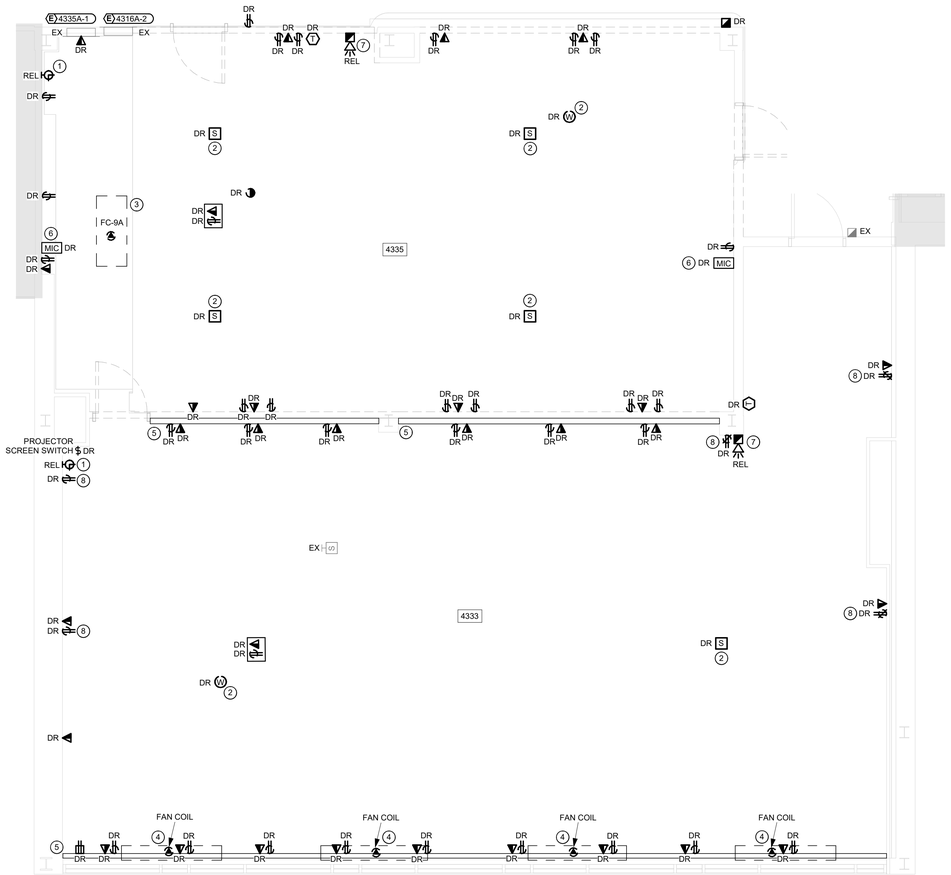
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LICENSED PROFESSIONAL ENGINEER
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DATE :	2026-09-29		
PROJECT NO :	2024-0711-10		
DRAWN BY :	S. Makay		
CHECKED BY :	K. Shi		



1 ED13 SCOPE 5 - MID SIZED CLASSROOM+ STUDY SPACE DEMOLITION POWER AND SYSTEMS LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

1. RETAIN EXISTING CLOCK AND CLOCK CIRCUIT FOR RELOCATION IN RENOVATION DRAWINGS.
2. RETAIN EXISTING SPEAKERS AND WIRELESS ACCESS POINTS AND TURNOVER TO OWNER FOR REUSE.
3. NOTED FAN COIL UNIT IS TO BE RELOCATED SLIGHTLY TO PROJECT EAST. REFER TO RENOVATION DRAWINGS FOR NEW LOCATION.
4. EXISTING FAN COIL TO BE DEMOLISHED. RETAIN EXISTING CIRCUIT FOR NEW FAN COILS.
5. DEMOLISH EXISTING SURFACE MOUNTED RACEWAY.
6. RETAIN EXISTING MICROPHONE AND TURNOVER TO OWNER FOR REUSE.
7. REUSE NOTED HORN STROBE. REFER TO RENOVATION DRAWINGS.
8. RETAIN EXISTING OUTLET BOX AND CONDUIT FOR RE-USE FOR NEW RECESSED RECEPTACLE AT SAME LOCATION. REFER TO RENOVATION PLANS.

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KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-02-19
2	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
3	ISSUED FOR REVIEW	2026-06-17
4	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
5	ISSUED FOR 90% CD	2026-09-29

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 5 - MID SIZED CLASSROOM+ STUDY SPACE DEMOLITION POWER AND SYSTEMS LAYOUT

WALTERFEDY

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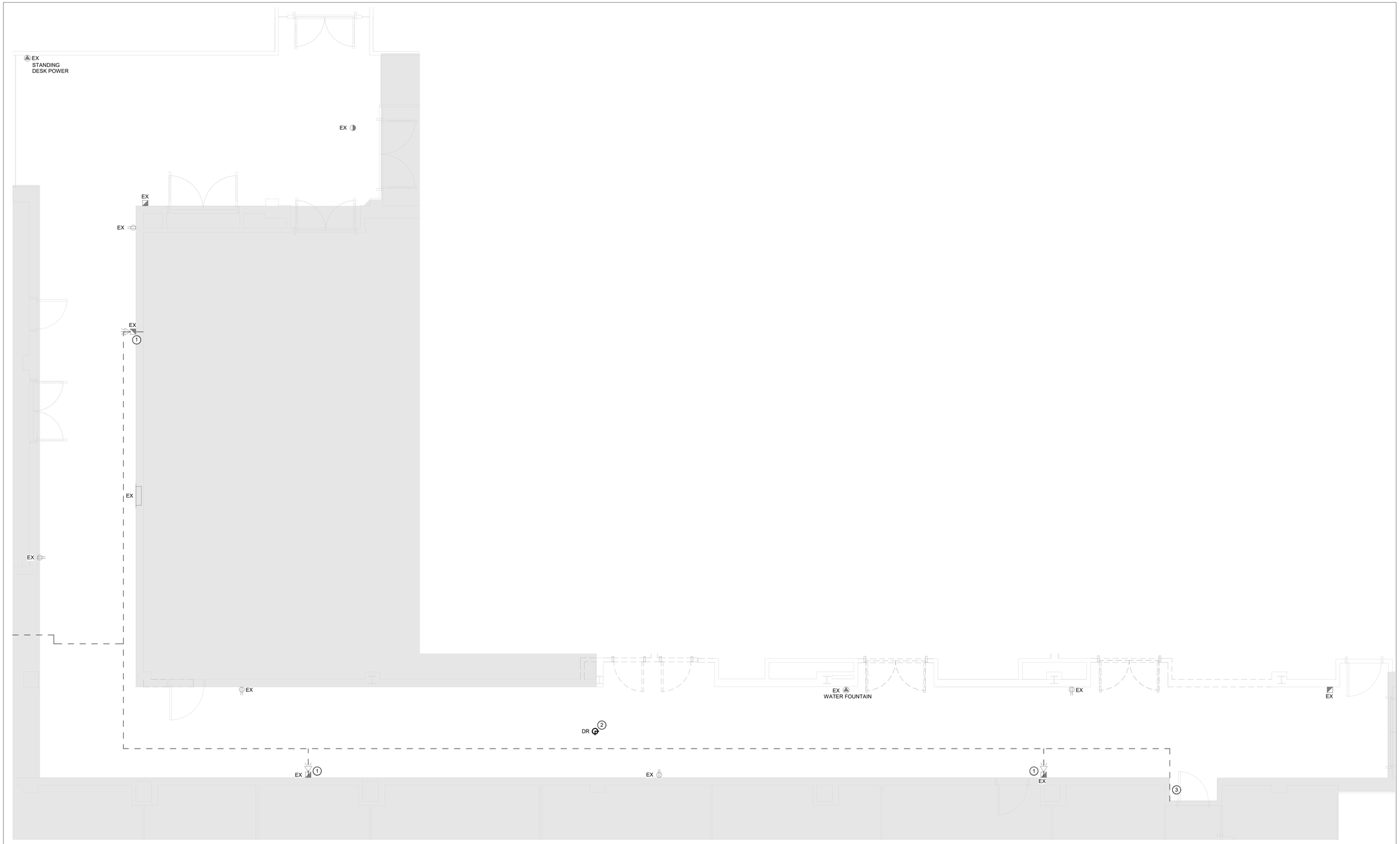
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DATE :	2026-09-29
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

ED13



1 / ED14 SCOPE 6 ALT PRICE 2 - HALLWAY DEMOLITION POWER LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 3 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.
3. ALL DEMOLITION AND RENOVATION WORK (INCLUSIVE OF ALL DISCIPLINE SCOPES) WITHIN CEILING SPACE OF THIS SCOPE ARE NOT TO EXCEED 1 SQUARE METER OF TOTAL DISTURBANCE TO EXISTING FIRESPRAY IN CEILING SPACE.

DRAWING NOTES:

1. EXISTING FIRE ALARM DEVICES ARE FED WITH CEILING GRID-MOUNTED WIRING. MANTAIN EXISTING WIRING TO FIRE ALARM DEVICES UNTIL NEW WIRING IS RUN IN CEILING SPACE.
2. RETAIN EXISTING CLOCK AND CLOCK CIRCUIT FOR RELOCATION IN RENOVATION DRAWINGS.
3. INDICATES APPROXIMATE ROUTING OF EXISTING SURFACE RUN FIRE ALARM WIRING.

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KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
2	ISSUED FOR REVIEW	2026-06-17
3	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
4	ISSUED FOR 90% CD	2026-09-29

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 6 (ALT PRICE 3) - HALLWAY DEMOLITION POWER LAYOUT

WALTERFEDY

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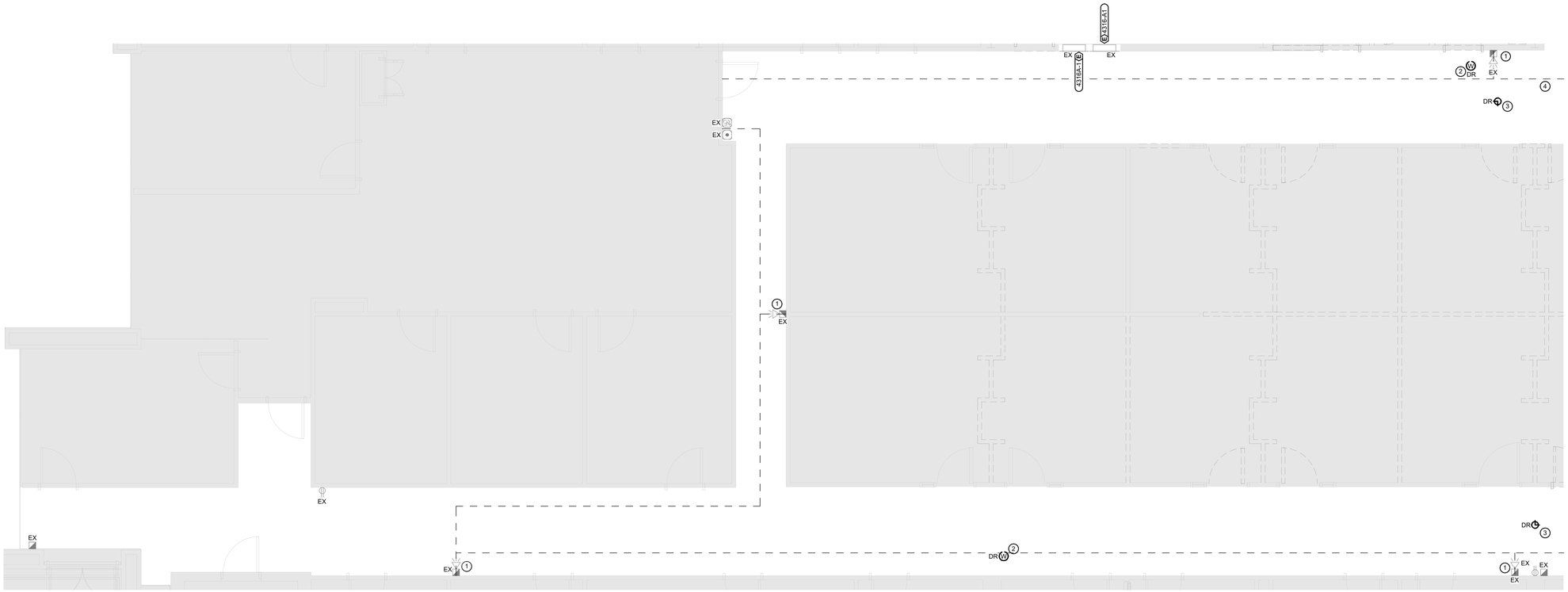
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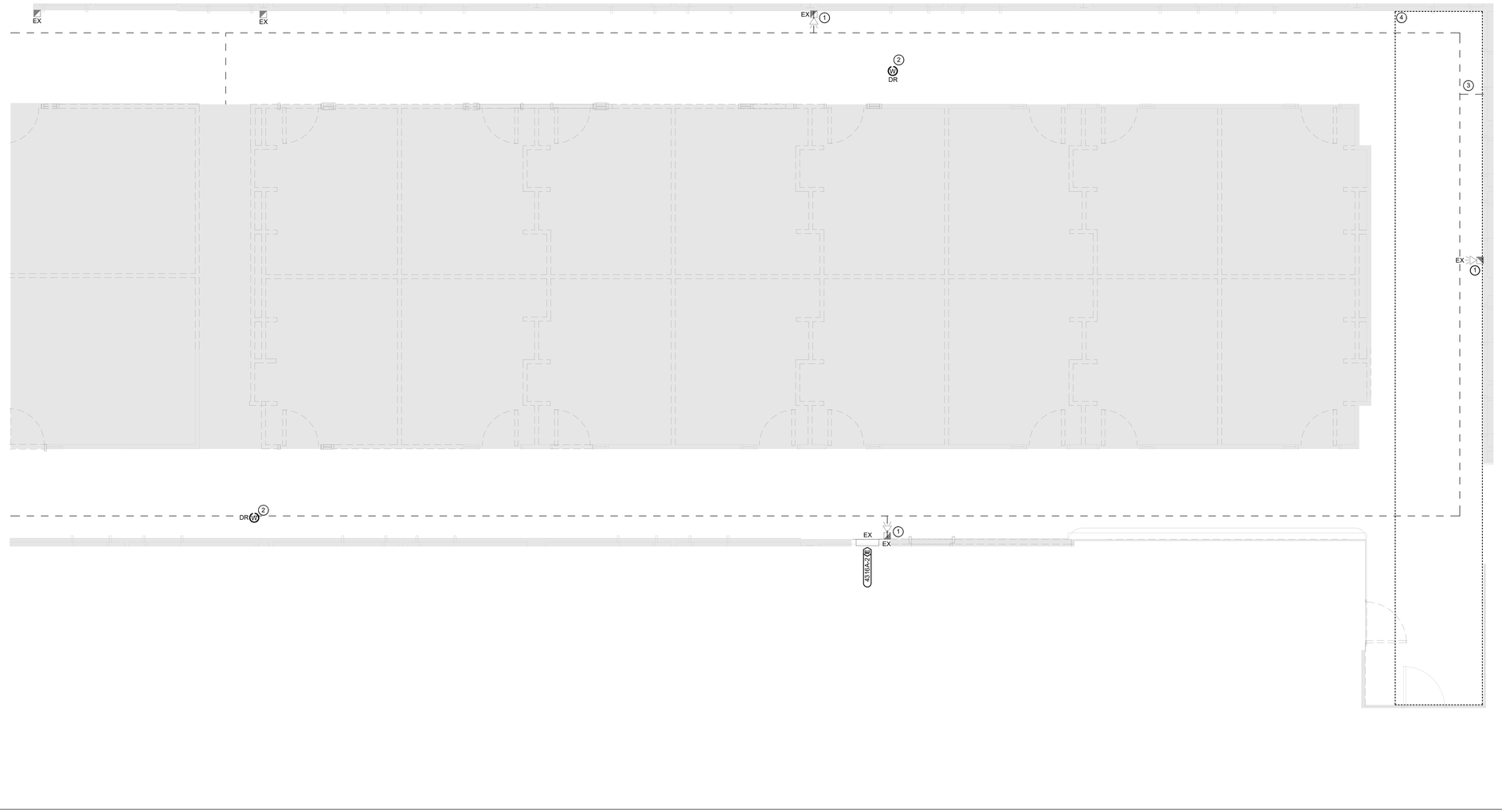
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DATE :	2026-09-29
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

ED14


EX
EX
EX



1 / ED16 SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR DEMOLITION POWER LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 4 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

1. EXISTING FIRE ALARM DEVICES ARE FED WITH CEILING GRID-MOUNTED WIRING. MAINTAIN EXISTING WIRING TO FIRE ALARM DEVICES UNTIL NEW WIRING IS RUN IN CEILING SPACE.
2. RETAIN EXISTING WIRELESS ACCESS POINTS AND TURNOVER TO OWNER FOR REUSE.
3. INDICATES APPROXIMATE ROUTING OF EXISTING SURFACE RUN FIRE ALARM WIRING.
4. ALL DEMOLITION AND RENOVATION WORK (INCLUSIVE OF ALL DISCIPLINE SCOPES) WITHIN CEILING SPACE OF NOTED APPROXIMATE AREA ARE NOT TO EXCEED 1 SQUARE METER OF TOTAL DISTURBANCE TO EXISTING FIRESPRAY IN CEILING SPACE. REFER TO DESIGNATED SUBSTANCES REPORT FOR EXACT AREA BOUNDARY AND REQUIREMENTS.

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KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-06-17
2	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
3	ISSUED FOR 90% CD	2026-09-29

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

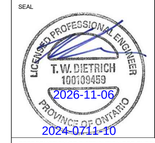
SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR DEMOLITION POWER LAYOUT

WALTERFEDY

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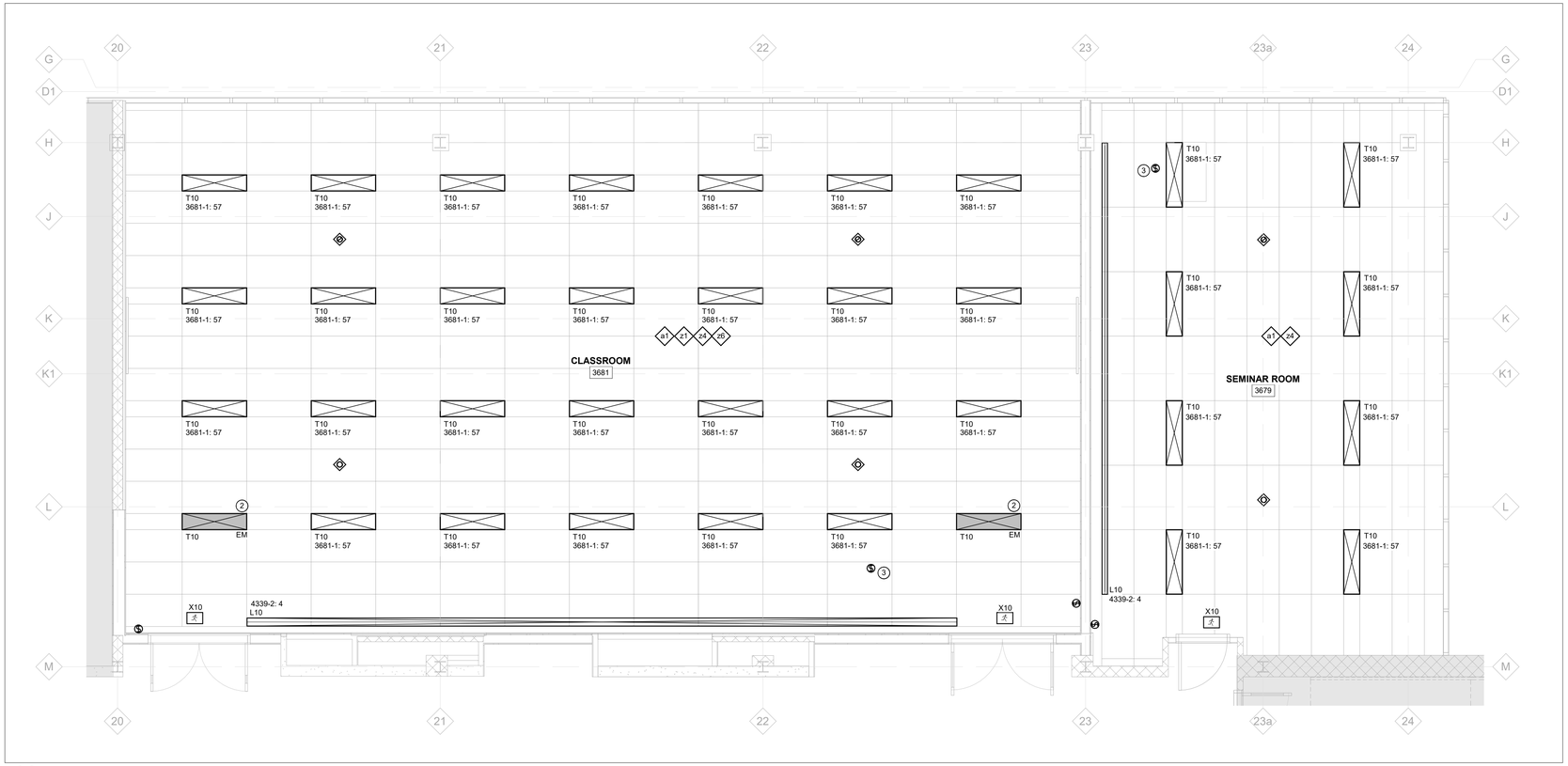
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DATE :	2026-09-29
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

ED16



1 E201 SCOPE 1 - LARGE CLASSROOM LIGHTING LAYOUT

Scale: 1 : 50

DRAWING NOTES:

1. RESERVED.
2. FEED EMERGENCY FIXTURES FROM EXISTING CORRIDOR 120V EMERGENCY LIGHTING CIRCUIT.
3. NOTED LOW VOLTAGE LIGHTING SWITCH TO BE MOUNTED IN LECTURE PODIUM THROUGH FLOOR BOX BELOW PODIUM. COORDINATE EXACT LOCATION WITH OWNER'S FORCES PRIOR TO ROUGH-IN.

GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

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No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-02-19
2	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
3	ISSUED FOR REVIEW	2026-06-17
4	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
5	ISSUED FOR 90% CD	2026-09-29
6	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 1 - LARGE CLASSROOM LIGHTING LAYOUT

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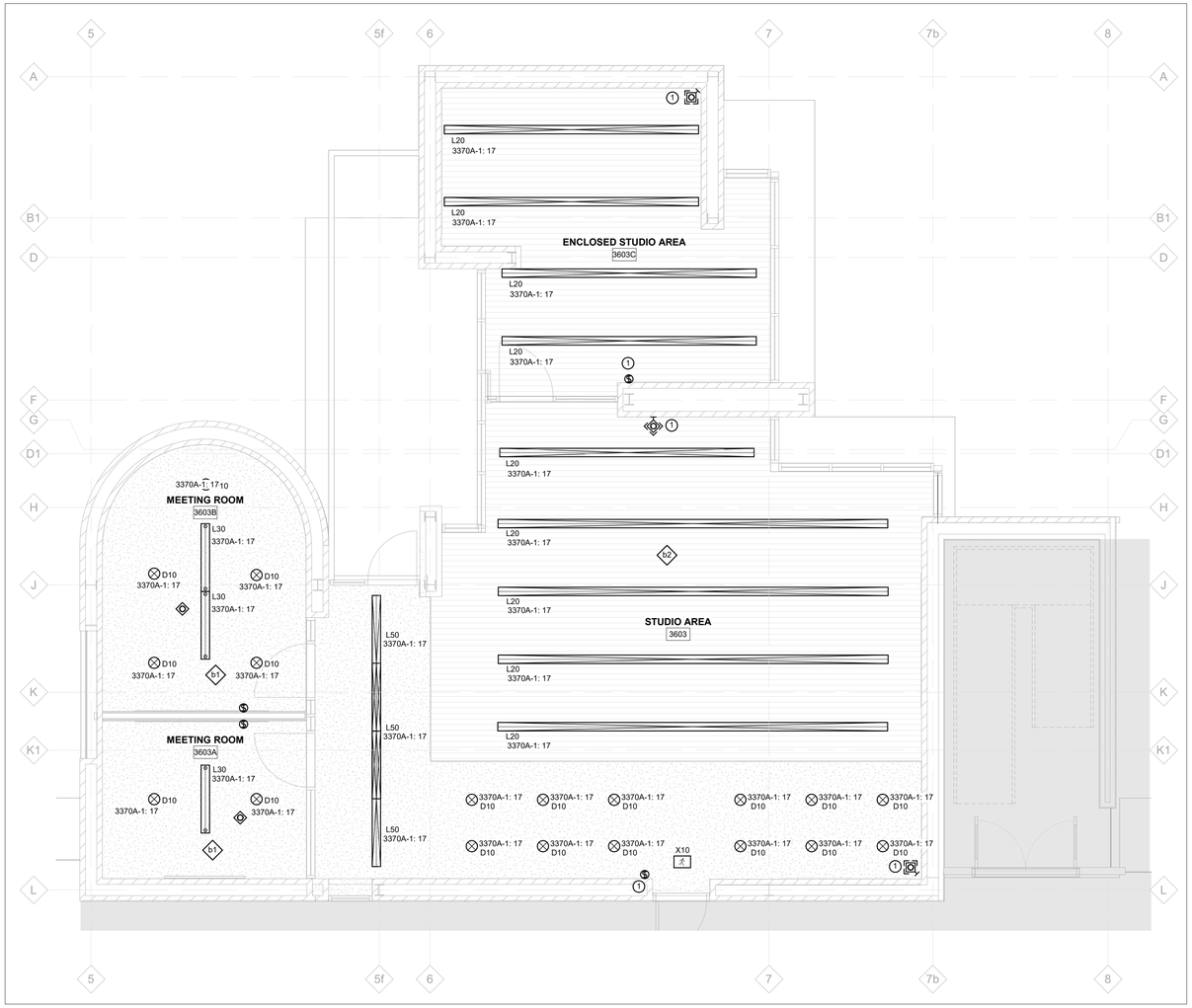


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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E201



1 E202 SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO LIGHTING LAYOUT

Scale: 1 : 50

DRAWING NOTES:

1. NOTED DEVICE TO BE SURFACE MOUNTED AND RUN ON EXISTING MASONRY WALL.

GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

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KEYPLAN

AREA OF WORK

No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-02-19
2	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
3	ISSUED FOR REVIEW	2026-06-17
4	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
5	ISSUED FOR 90% CD	2026-09-29
6	ISSUED FOR TENDER	2026-11-05

CLIENT

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PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO LIGHTING LAYOUT

WALTERFEDY

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SEAL

LICENSED PROFESSIONAL ENGINEER
T. W. DIETRICH
100109459
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

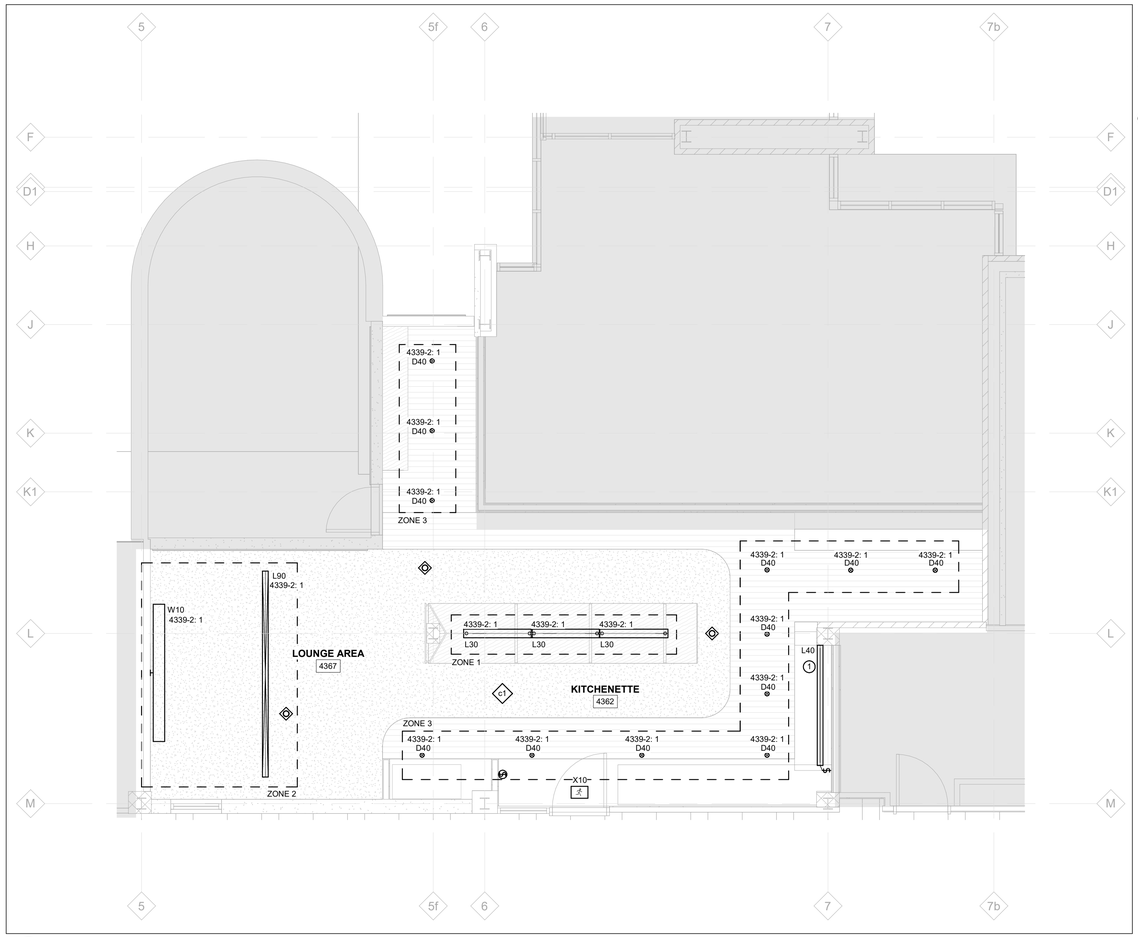
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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E202



1 E203 SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE LIGHTING LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 1 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

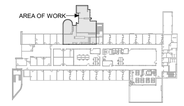
DRAWING NOTES:

(1) NOTED FIXTURES ARE MOUNTED TO UNDERSIDE OF MILLWORK. COORDINATE EXACT LENGTHS AND LOCATIONS WITH MILLWORK DRAWINGS.

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KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-02-19
2	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
3	ISSUED FOR REVIEW	2026-06-17
4	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
5	ISSUED FOR 90% CD	2026-09-29
6	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE LIGHTING LAYOUT

WALTERFEDY

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SEAL

LICENSED PROFESSIONAL ENGINEER
T. W. DIETRICH
100103459
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

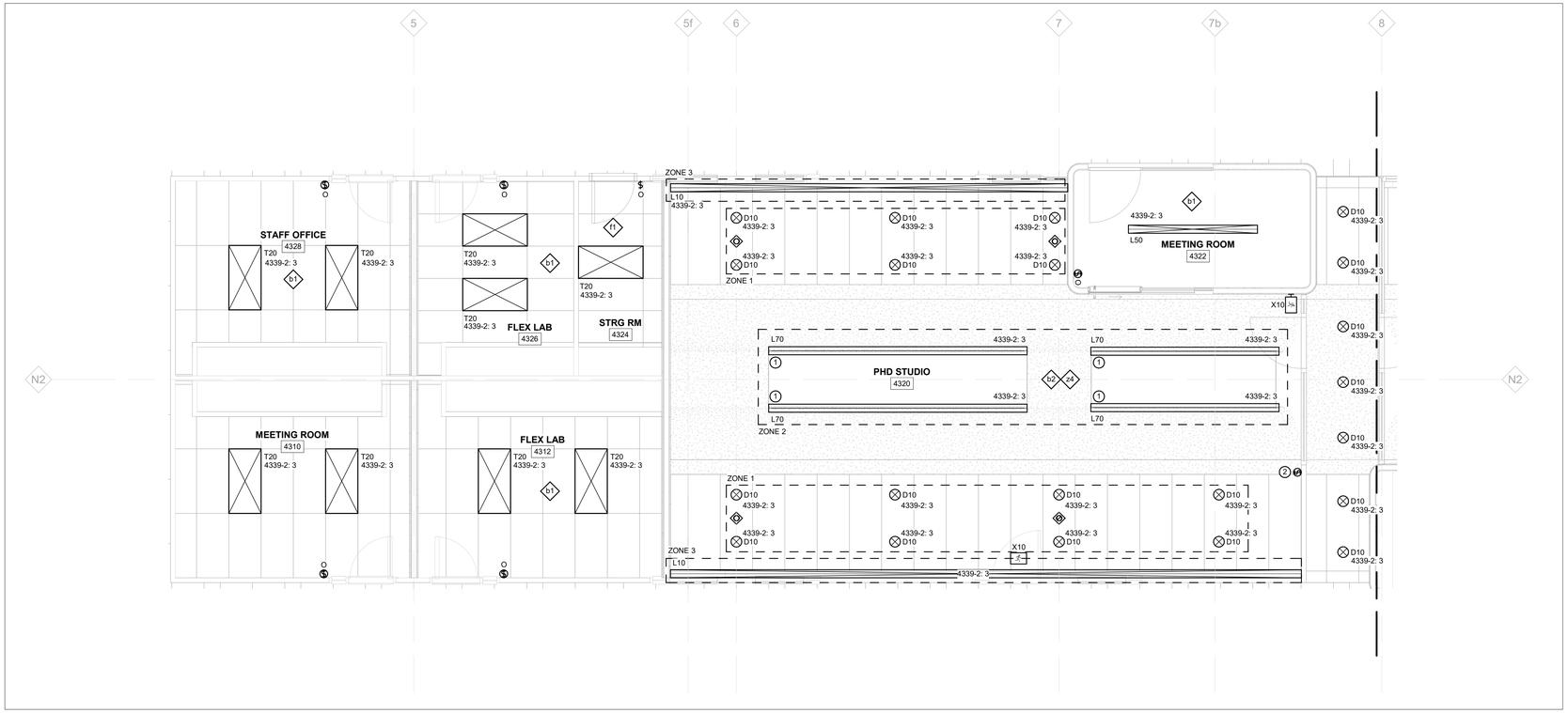
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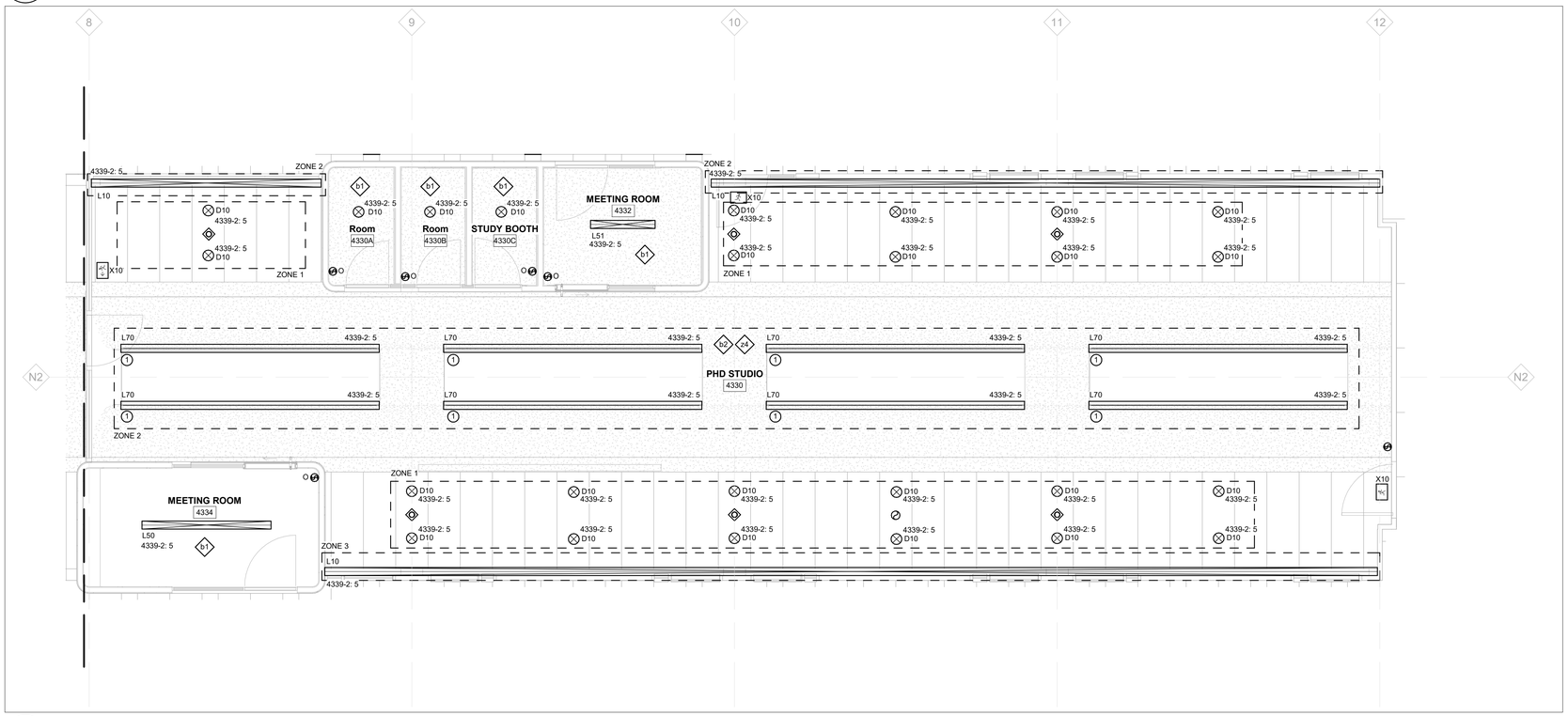
SHEET NO :

E203



1 E204 SCOPE 4 (ALT PRICE 2) - WEST PHD OPEN OFFICE LIGHTING LAYOUT

Scale: 1 : 50



2 E204 SCOPE 4 (ALT PRICE 2) - EAST PHD OPEN OFFICE LIGHTING LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 2 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

(1) TYPE L70 FIXTURES ARE TO BE FLUSH MOUNTED IN WALL UP TO SKYLIGHT. REFER TO ARCHITECTURAL DETAILS. FIXTURES ARE TO BE CONTROLLED VIA PHOTOCELL IN ROOM.

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6	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

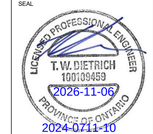
SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE LIGHTING LAYOUT

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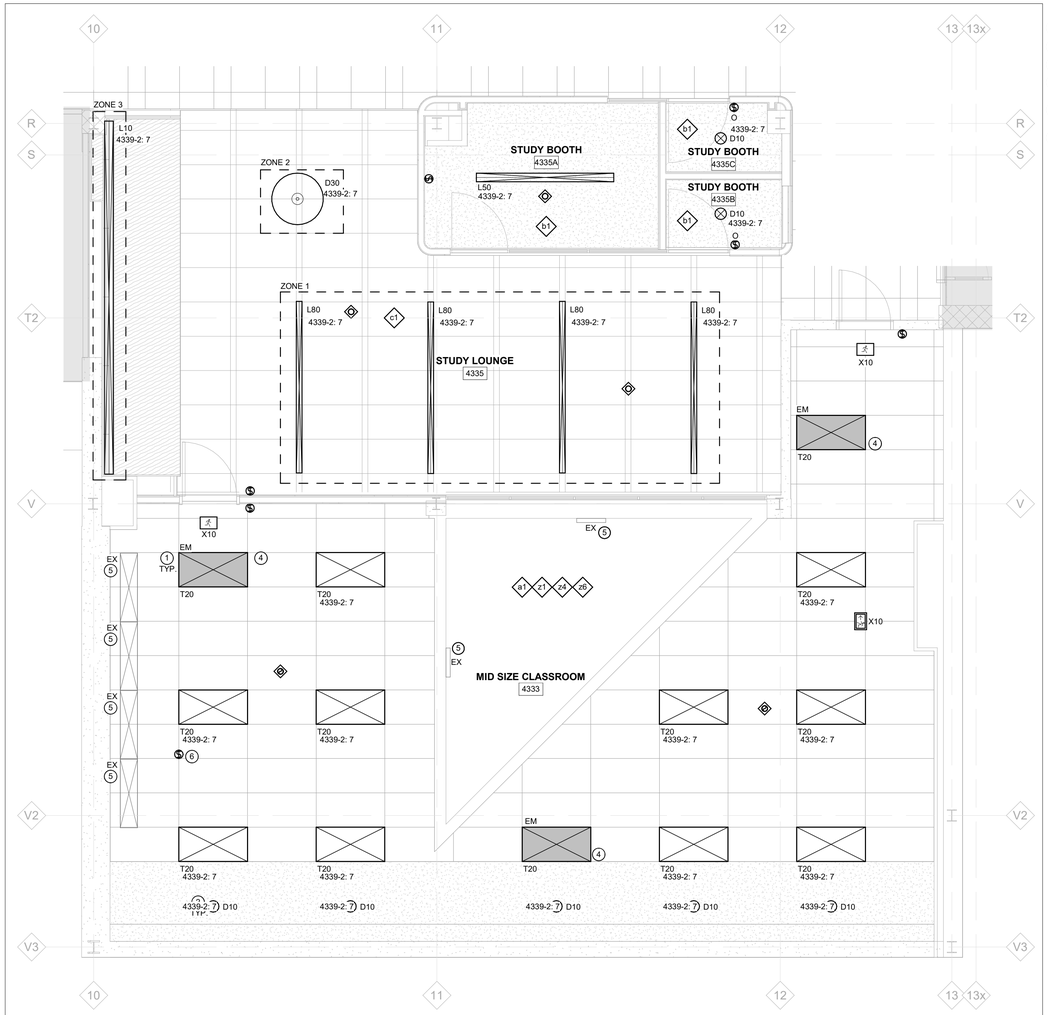
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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E204



1 E205 SCOPE 5 - MID SIZED CLASSROOM+ STUDY SPACE LIGHTING LAYOUT

Scale: 1 : 50

DRAWING NOTES:

1. 2X4 FIXTURES IN CLASSROOM ARE TO BE INSTALLED IN EXISTING CEILING.
2. DOWNLIGHTS IN CLASSROOM ARE TO BE INSTALLED IN EXISTING DRYWALL BULKHEAD.
3. RESERVED.
4. FEED EMERGENCY FIXTURES FROM 120V EMERGENCY LIGHTING CIRCUIT EXTENDED FROM FLOOR 3 EMERGENCY PANEL. REFER TO DRAWING E101.
5. NOTED EXISTING FIXTURES TO BE INTEGRATED INTO ROOM CONTROL. PROVIDE COMPATIBLE nLIGHT POWER PACK TO INTEGRATE INTO NEW LIGHTING CONTROLS IN ROOM.
6. NOTED LOW VOLTAGE LIGHTING SWITCH TO BE MOUNTED IN LECTURE PODIUM THROUGH FLOOR BOX BELOW PODIUM. COORDINATE EXACT LOCATION WITH OWNER'S FORCES PRIOR TO ROUGH-IN.

GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

CLIENT LOGO

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6	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

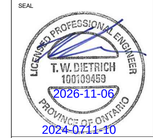
SCOPE 5 - MID SIZED CLASSROOM+ STUDY SPACE LIGHTING LAYOUT

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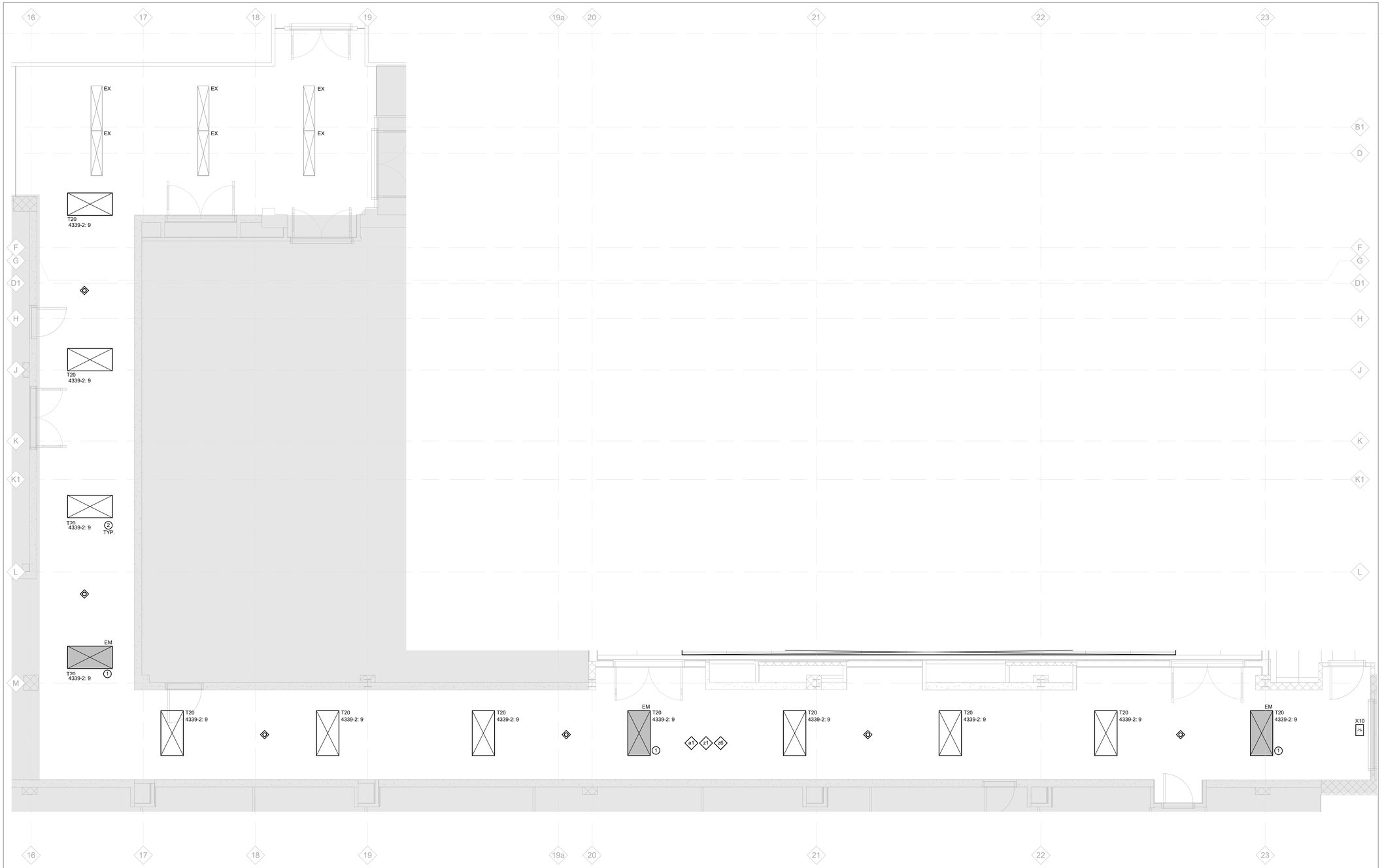
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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E205



1 / E206 SCOPE 6 (ALT PRICE 3) - HALLWAY LIGHTING LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 3 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.
3. ALL DEMOLITION AND RENOVATION WORK (INCLUSIVE OF ALL DISCIPLINE SCOPES) WITHIN CEILING SPACE OF THIS SCOPE ARE NOT TO EXCEED 1 SQUARE METER OF TOTAL DISTURBANCE TO EXISTING FIRESPRAY IN CEILING SPACE. ALL BOXES AND WIRING IN CEILING SPACE TO BE OFF SET FROM DECK VIA THREADED ROD AND UNISTRUT ASSEMBLY.

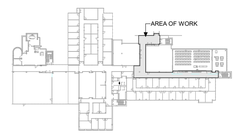
DRAWING NOTES:

1. FEED NEW EMERGENCY FIXTURES FROM 120V LOCAL EMERGENCY LIGHTING CIRCUIT.
2. FEED NEW FIXTURES FROM 120V CORRIDOR LIGHTING CIRCUIT EXTENDED FROM ADJACENT CORRIDOR.

CLIENT LOGO

UNIVERSITY OF WATERLOO

KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
2	ISSUED FOR REVIEW	2026-06-17
3	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
4	ISSUED FOR 90% CD	2026-09-29
5	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 6 (ALT PRICE 3) - HALLWAY LIGHTING LAYOUT

WALTERFEDY

TORONTO | CALGARY | EDMONTON | **KITCHENER** | HAMILTON

800.685.1378 **walterfedy.com**

SEAL

LICENSED PROFESSIONAL ENGINEER
T. W. DIETRICH
100109489
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

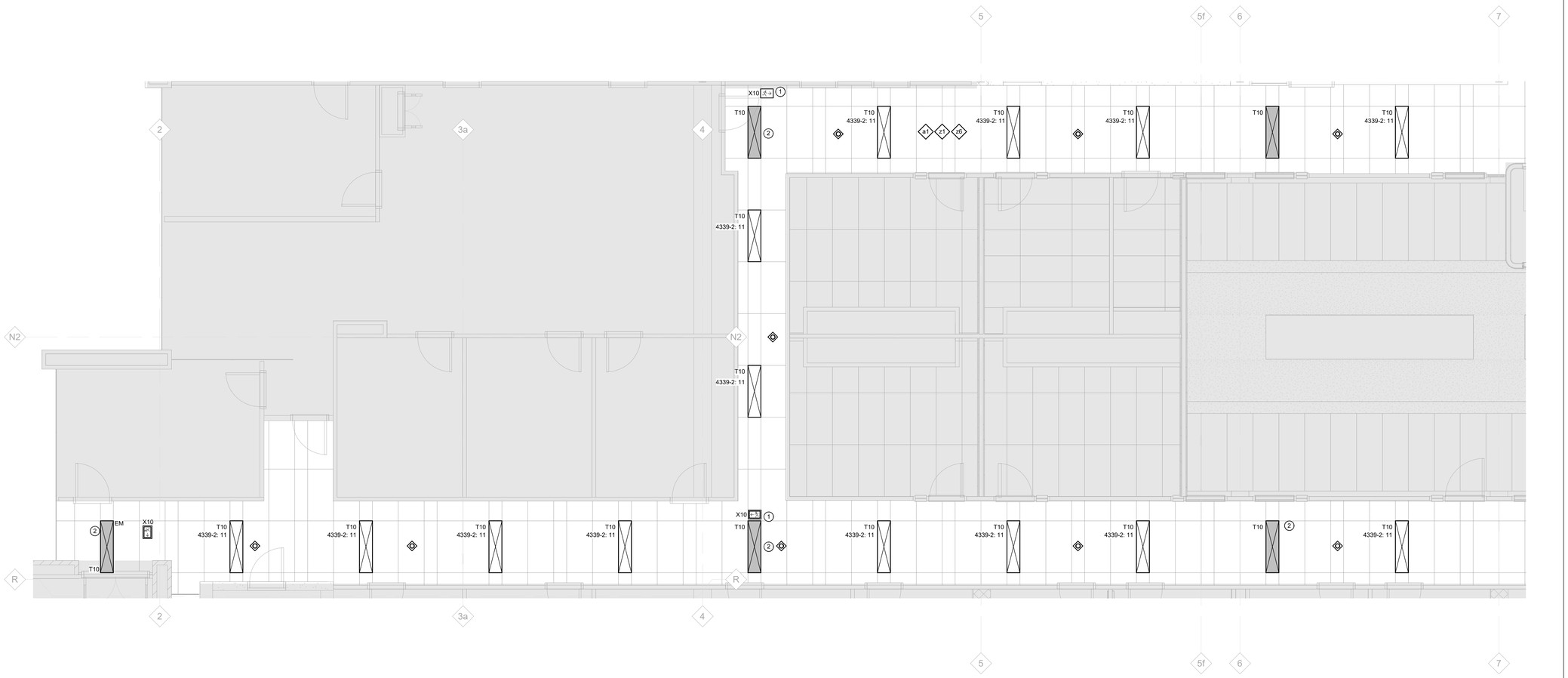
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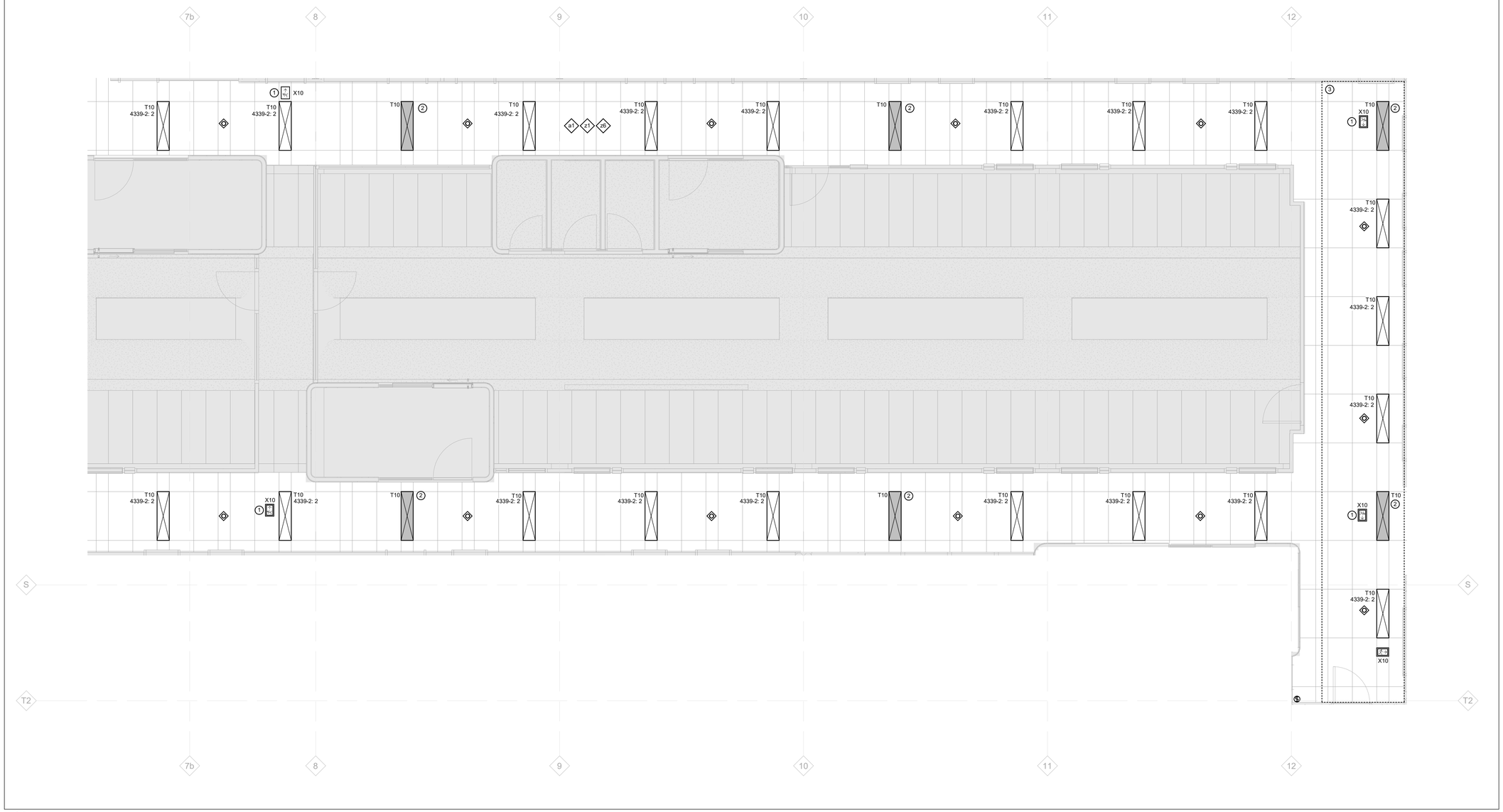
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SCALE :	AS NOTED
DATE :	2026-11-05
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E206


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R
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EM
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X2
X3
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X5
X6
X7
X8
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T10
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1 / E208 SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR LIGHTING LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 4 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

1. NOTED EXIT SIGNS ARE TO BE PART OF BASE BID PRICE. FEED FROM EXISTING EXIT SIGN CIRCUIT AND REFER TO DESIGNATED SUBSTANCES REPORT FOR ABATEMENT REQUIREMENTS ASSOCIATED WITH CEILING WORK.
2. FEED NEW EMERGENCY FIXTURES FROM 120V EMERGENCY LIGHTING CIRCUIT EXTENDED FROM FLOOR 3 EMERGENCY PANEL. REFER TO DRAWING E101.
3. ALL DEMOLITION AND RENOVATION WORK (INCLUSIVE OF ALL DISCIPLINE SCOPES) WITHIN CEILING SPACE OF NOTED APPROXIMATE AREA ARE NOT TO EXCEED 1 SQUARE METER OF TOTAL DISTURBANCE TO EXISTING FIRESPRAY IN CEILING SPACE. REFER TO DESIGNATED SUBSTANCES REPORT FOR EXACT AREA BOUNDARY AND REQUIREMENTS.

CLIENT LOGO

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KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-06-17
2	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
3	ISSUED FOR 90% CD	2026-09-29
4	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 6 (ALT PRICE 4) - EAST CORRIDOR LIGHTING LAYOUT

WALTERFEDY

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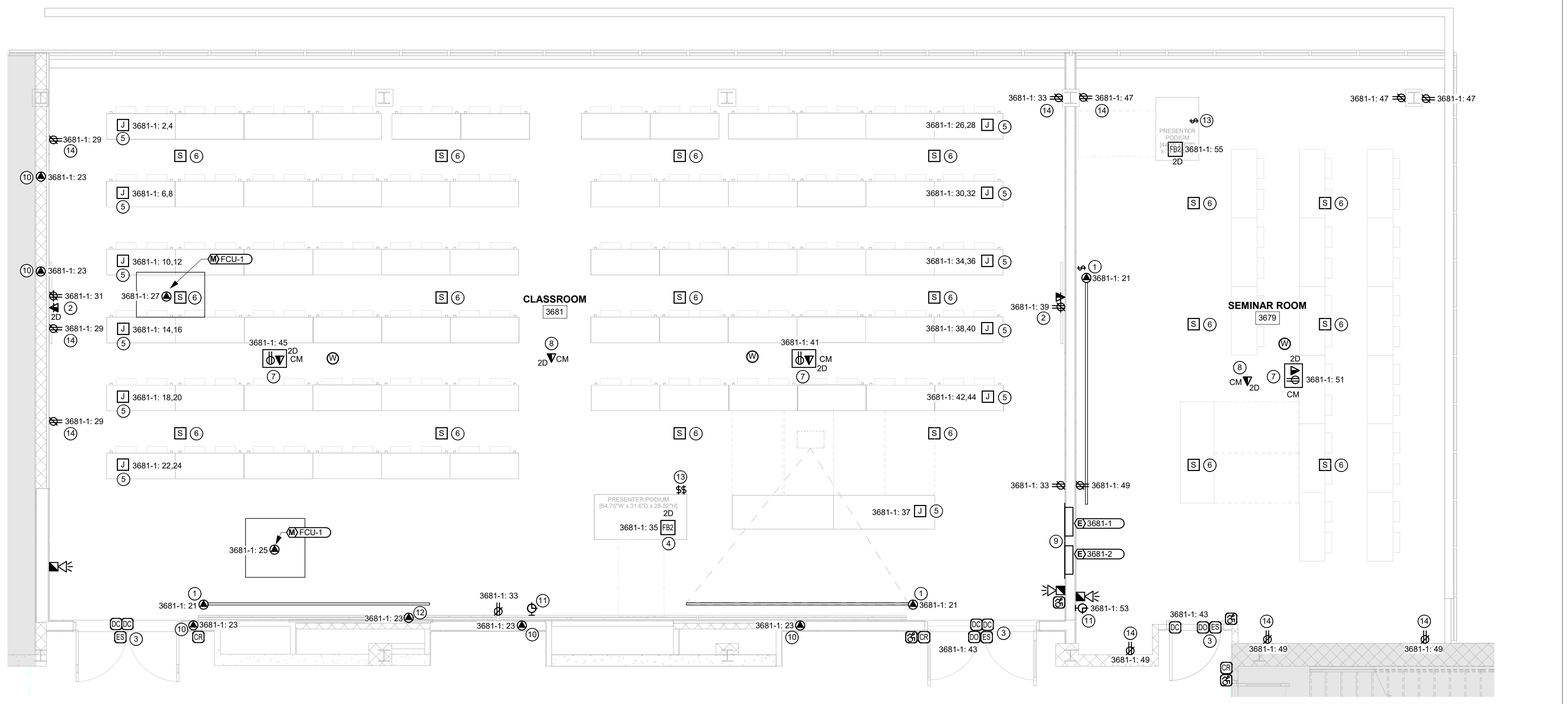
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DATE :	2026-11-05
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E208



1 SCOPE 1 - LARGE CLASSROOM POWER LAYOUT
E301 Scale: 1 : 50

DRAWING NOTES:

1. PROVIDE 120V POWER TO NOTED LOCATION FOR MOTORIZED PROJECTOR SCREEN. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE MOMENTARY SWITCH IN LECTURE PODIUM FOR CONTROL OF SCREEN.
2. PROVIDE 2-GANG TV BOX FOR NOTED DEVICES. CONTRACTOR TO PROVIDE DATA CABLING TO DATA ROOM ON FLOOR (TYPICAL FOR ALL DATA OUTLETS).
3. POWER TO ELECTRIC STRIKE TO BE INSTALLED BY UW IST FROM SERVER ROOM. COORDINATE WITH OWNER'S FORCES.
4. NOTED POKE-THRU FLOOR BOX IS TO BE C/W A DUPLEX RECEPTACLE, DATA OUTLET, AND A LOW VOLTAGE PASS THROUGH FOR LIGHTING CONTROL AND PROJECTOR SCREEN CONTROLS.FEED THROUGH CEILING SPACE OF 2ND FLOOR.
5. PROVIDE JUNCTION BOX WITH NOTED CIRCUIT IN CEILING SPACE OF THE SECOND FLOOR BELOW TO FEED POWER WHIPS OF PRE-WIRED POWERED FURNITURE. COORDINATE EXACT LOCATION WITH FURNITURE PRIOR TO ROUGH-IN. FIRESTOP ALL PENETRATIONS THROUGH FLOOR.
6. PROVIDE SPEAKER WIRING. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN
7. INSTALL PROJECTOR PROVIDED BY OWNER .
8. INSTALL CAMERA PROVIDED BY OWNER.
9. PROVIDE TWO NEW 208V 3P 225A 60 CIRCUIT PANELS. EXTENDED FEEDERS FROM DEMOLISHED EXISTING PANELS TO NEW PANELS.
10. NOTED 120V POWER IS FOR FIRE DAMPERS C/W INTEGRAL DUCT DETECTORS.
11. RELOCATE EXISTING CLOCK AND ASSOCIATED 120V CLOCK CIRCUIT TO NOTED LOCATION
12. INDICATES 120V CONNECTION FOR MECHANICAL CONTROL TRANSFORMER. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
13. INDICATES PROJECTOR SCREEN CONTROL SWITCHES TO BE MOUNTED IN LECTURE PODIUM. COORDINATE EXACT LOCATION WITH OWNER'S FORCES PRIOR TO ROUGH-IN.
14. NOTED RECEPTACLE TO BE INSTALLED USING EXISTING RECESSED OUTLET BOX AND CONDUIT FREED FROM DEMOLISHED RECEPTACLE.

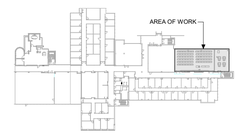
GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.
2. ALL DEMOLITION AND RENOVATION WORK (INCLUSIVE OF ALL DISCIPLINE SCOPES) WITHIN CEILING SPACE OF SECOND FLOOR BELOW ARE NOT TO EXCEED 1 SQUARE METER OF TOTAL DISTURBANCE TO EXISTING FIRESPRAY IN SECOND FLOOR CEILING SPACE. ALL BOXES AND WIRING IN SECOND FLOOR CEILING SPACE TO BE OFF SET FROM DECK A MINIMUM OF 6" VIA THREADED ROD AND UNISTRUT ASSEMBLY.

CLIENT LOGO

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KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-02-19
2	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
3	ISSUED FOR REVIEW	2026-06-17
4	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
5	ISSUED FOR 90% CD	2026-09-29
6	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 1 - LARGE CLASSROOM POWER LAYOUT

WALTERFEDY

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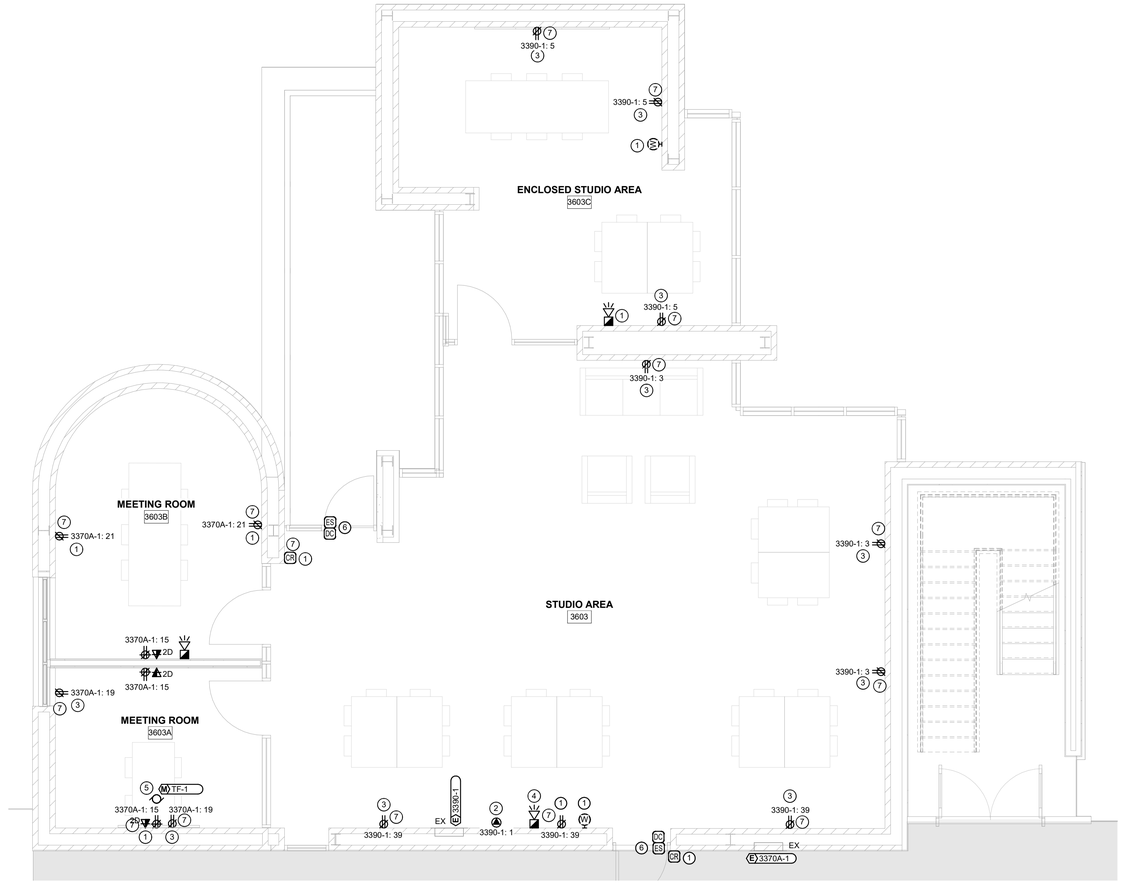
LICENSED PROFESSIONAL ENGINEER
T. W. DIETRICH
100109459
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

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DATE :	2026-11-05
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E301



GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 1 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

1. NOTED DEVICE TO BE SURFACE MOUNTED AND RUN ON EXISTING MASONRY WALL.
2. INDICATES 120V CONNECTION FOR MECHANICAL CONTROL TRANSFORMER. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
3. NOTED RECEPTACLE TO BE INSTALLED USING EXISTING RECESSED OUTLET BOX AND CONDUIT FREED FROM DEMOLISHED RECEPTACLE.
4. REPLACE EXISTING HORN WITH NEW HORN STROBE. RE-USE EXISTING BACKBOX AND CONDUIT.
5. CONNECT NOTED TRANSFER FAN TO EXISTING FAN CIRCUIT IN CEILING.
6. POWER TO ELECTRIC STRIKE TO BE INSTALLED BY UW IST FROM SERVER ROOM. COORDINATE WITH OWNER'S FORCES.
7. NOTED DEVICES IN MASONRY WALLS TO BE C/W STAINLESS STEEL COVERPLATES.

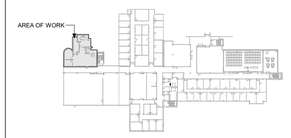
1 / E302 SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO POWER LAYOUT

Scale: 1 : 50

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KEYPLAN



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1	ISSUED FOR REVIEW	2026-02-19
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6	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 2 (ALT PRICE 1) - 4TH YEAR DESIGN STUDIO POWER LAYOUT

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T. W. DIETRICH
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2026-11-06
PROVINCE OF ONTARIO
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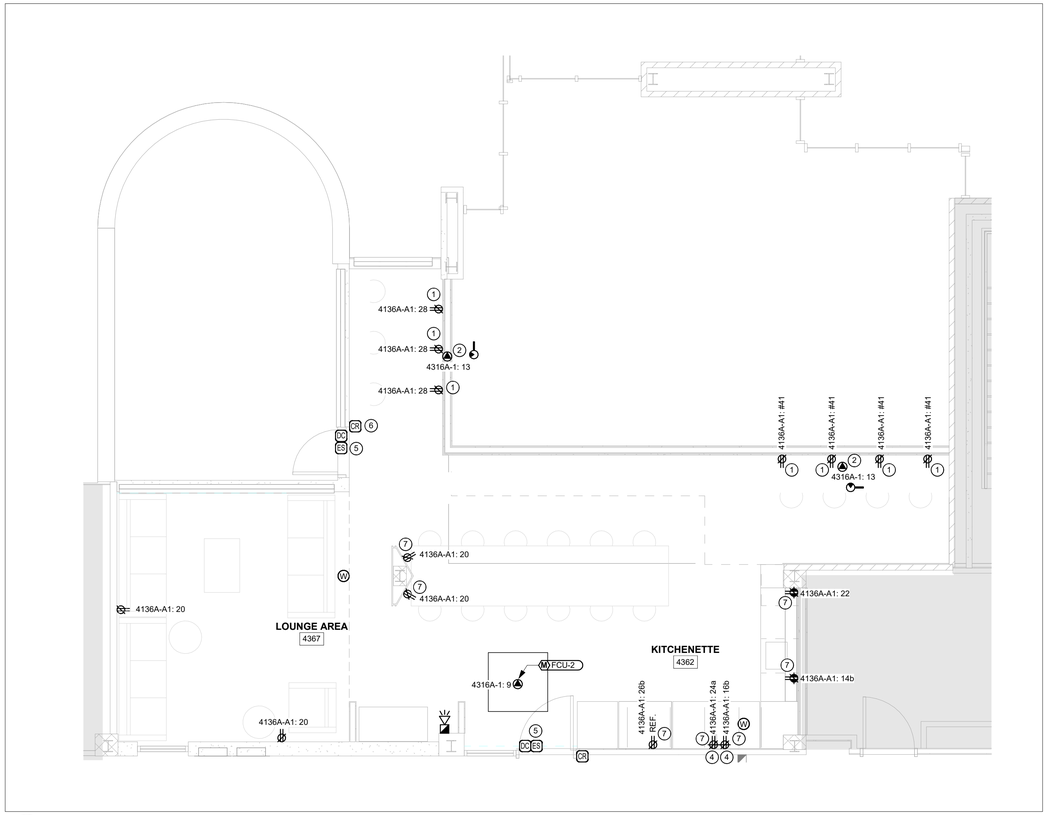
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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E302



DRAWING NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 1 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

(1) NOTED RECEPTACLES ARE TO BE MOUNTED IN A FIRE RATED BACKBOX TO MAINTAIN FIRE SEPERATION OF WALL.

(2) NOTED 120V POWER IS FOR FIRE DAMPERS PROVIDE DUCT SMOKE DETECTORS CONNECTED TO A DETECTION NEW ZONE IN EXISTING EDWARDS EST3 FIRE ALARM CONTROL PANEL. REFER TO DRAWING E101 FOR LOCATION OF EXISTING FACP. COORDINATE LOCATION OF DUCT SMOKE DETECTORS TO BE ACCESSIBLE FROM CEILING ACCESS PANELS.

(3) INDICATES 120V CONNECTION FOR MECHANICAL CONTROLS TRANSFORMER. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.

(4) REFER TO ARCHITECTURAL ELEVATIONS FOR RECEPTACLE HEIGHTS AND LOCATIONS.

(5) POWER TO ELECTRIC STRIKE TO BE INSTALLED BY UW IST FROM SERVER ROOM. COORDINATE WITH OWNER'S FORCES.

(6) NOTED CARD READER TO BE SURFACE MOUNTED AND RUN ON EXISTING MULLION.

(7) NOTED DEVICES IN PANEL WALL TO BE C/W STAINLESS STEEL COVERPLATES.

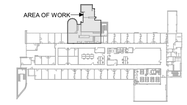
1 E303 SCOPE 3 - FACULTY + STUDENT LOUNGE POWER LAYOUT

Scale: 1 : 50

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KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-02-19
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5	ISSUED FOR 90% CD	2026-09-29
6	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 3 (ALT PRICE 1) - FACULTY + STUDENT LOUNGE POWER LAYOUT

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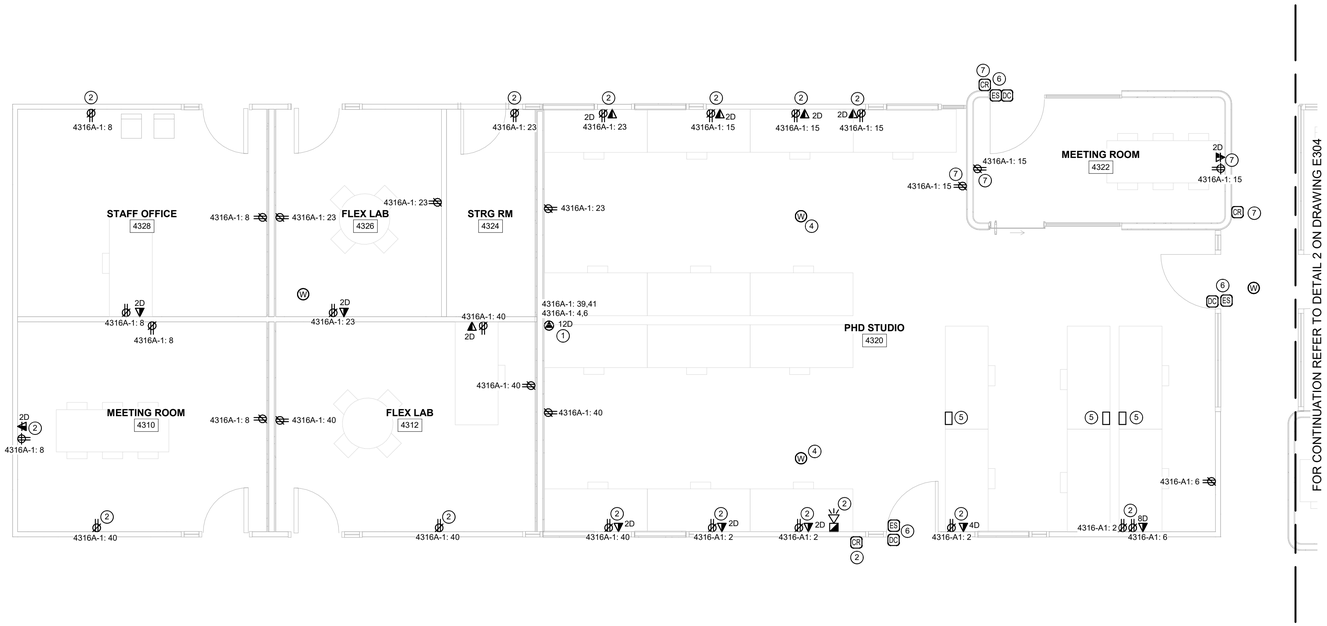


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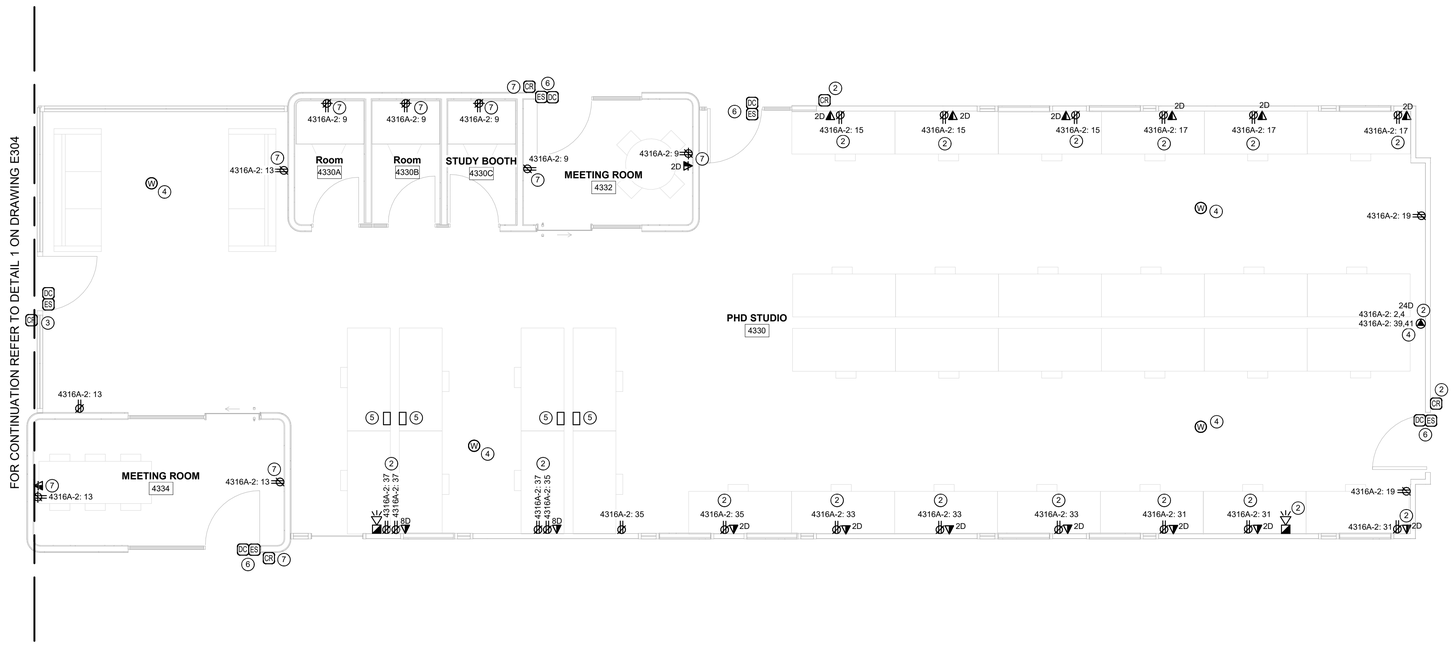
SHEET NO :

E303



1 E304 SCOPE 4 (ALT PRICE 2) - WEST PHD OPEN OFFICE POWER LAYOUT

Scale: 1 : 50



2 E304 SCOPE 4 (ALT PRICE 2) - EAST PHD OPEN OFFICE POWER LAYOUT

Scale: 1 : 50

GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE #2 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

DRAWING NOTES:

1. PROVIDE NOTED POWER AND DATA TO EVOLVE POWER BEAMS. POWER BEAMS TO BE PROVIDED BY GENERAL CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR. REFER TO ARCHITECTURAL PLANS FOR EXACT CONFIGURATION OF BEAMS.
2. NOTED DEVICES ARE INSTALLED IN EXISTING DRYWALL PARTITIONS AND NEED TO BE FISHED. EXISTING DRYWALL PARTITIONS END AT CEILING HEIGHT.
3. NOTED DEVICE TO BE MOUNTED IN MULLION. COORDINATE WITH ARCHITECTURAL.
4. COORDINATE WITH ARCHITECTURAL FOR EXACT LOCATIONS OF WIRELESS ACCESS POINTS IN CEILING.
5. PROVIDE A CLAMP-ON POWER STRIP ON FAR DESK FROM WALL EQUAL TO ULINE CAT#H-9497W. PLUG POWER STRIP INTO WALL RECEPTACLE.
6. POWER TO ELECTRIC STRIKE TO BE INSTALLED BY UW IST FROM SERVER ROOM. COORDINATE WITH OWNER'S FORCES.
7. NOTED DEVICES IN POD WALLS TO BE C/W STAINLESS STEEL COVERPLATES.

CLIENT LOGO

UNIVERSITY OF WATERLOO

KEYPLAN



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6	ISSUED FOR TENDER	2026-11-05

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UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 4 (ALT PRICE 2) - PHD OPEN OFFICE POWER LAYOUT

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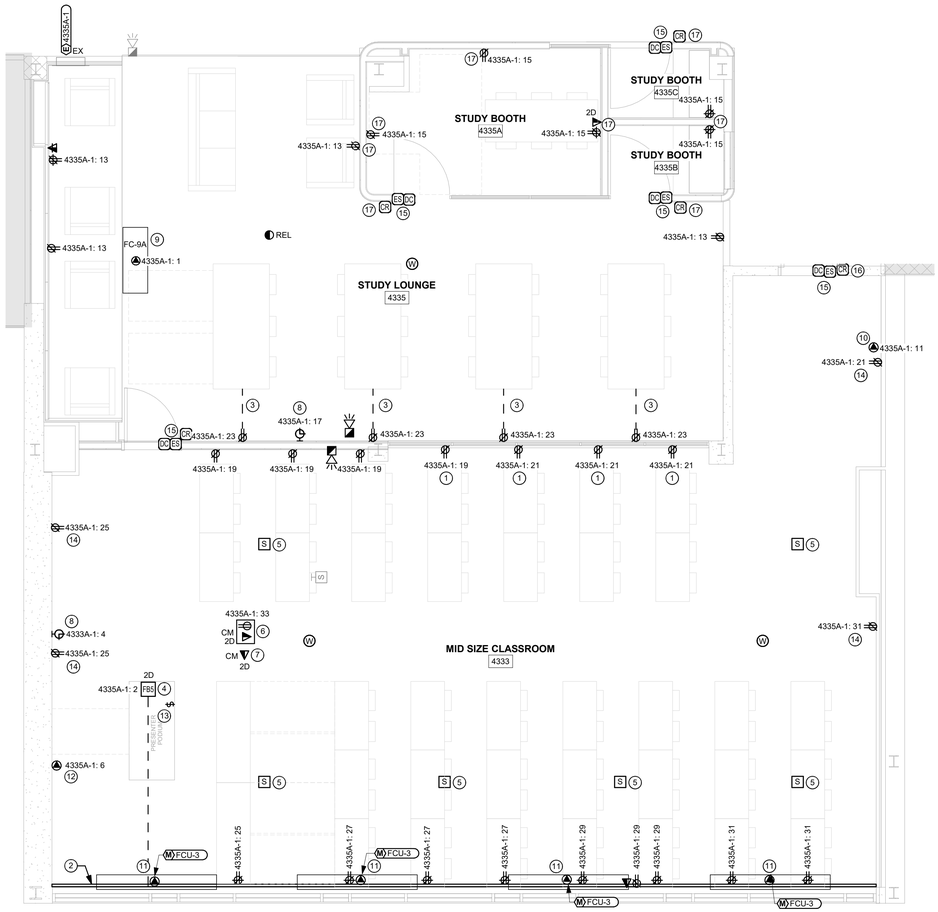
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SCALE :	AS NOTED	SHEET NO :	E304
DATE :	2026-11-05		
PROJECT NO :	2024-0711-10		
DRAWN BY :	S. Makay		
CHECKED BY :	K. Shi		



1 E305 SCOPE 5 - MID SIZED CLASSROOM+ STUDY SPACE POWER LAYOUT

Scale: 1 : 50

DRAWING NOTES:

1. NOTED RECEPTACLES ARE TO BE MOUNTED NEAR FLOOR HEIGHT AT BOTTOM OF GLASS.
2. PROVIDE SURFACE RACEWAY FOR RECEPTACLES BELOW WINDOWS AND ABOVE RADIATORS.
3. INDICATES ON-FLOOR CONNECTRAC FLOOR BOX FED WITH ON-FLOOR CONNECTRAC FLEX RACEWAY SYSTEM FROM NEARBY WALL C/W DUPLEX RECEPTACLE.
4. INDICATES ON-FLOOR CONNECTRAC FLOOR BOX FED WITH ON-FLOOR CONNECTRAC FLEX RACEWAY SYSTEM FROM NEARBY WALL C/W DUPLEX RECEPTACLE, DATA OUTLET, AND A LOW VOLTAGE PASS THROUGH FOR LIGHTING CONTROL AND PROJECTOR SCREEN CONTROLS.
5. PROVIDE SPEAKER WIRING. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
6. INSTALL PROJECTOR PROVIDED BY OWNER .
7. INSTALL CAMERA PROVIDED BY OWNER.
8. RELOCATE EXISTING CLOCK AND ASSOCIATED 120V CLOCK CIRCUIT TO NOTED LOCATION.
9. INDICATES RELOCATED FAN COIN UNIT, COORDINATE EXACT LOCATION WITH MECHANICAL.
10. INDICATES 120V CONNECTION FOR MECHANICAL CONTROL TRANSFORMER. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
11. FEED NEW FAN COILS FROM EXISTING FAN COIL CIRCUIT.
12. PROVIDE 120V POWER TO NOTED LOCATION FOR MOTORIZED PROJECTOR SCREEN. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE MOMENTARY SWITCH IN LECTURE PODIUM FOR CONTROL OF SCREEN.
13. INDICATES PROJECTOR SCREEN CONTROL SWITCHES TO BE MOUNTED IN LECTURE PODIUM. COORDINATE EXACT LOCATION WITH OWNER'S FORCES PRIOR TO ROUGH-IN.
14. NOTED RECEPTACLE TO BE INSTALLED USING EXISTING RECESSED OUTLET BOX AND CONDUIT FREED FROM DEMOLISHED RECEPTACLE.
15. POWER TO ELECTRIC STRIKE TO BE INSTALLED BY UW IST FROM SERVER ROOM. COORDINATE WITH OWNER'S FORCES.
16. NOTED CARD READER TO BE SURFACE MOUNTED AND RUN ON CORRIDOR SIDE OF EXISTING WALL.
17. NOTED DEVICES IN POS WALLS TO BE C/W STAINLESS STEEL COVERPLATES.

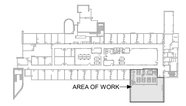
GENERAL NOTES:

1. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

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KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-02-19
2	ISSUED FOR CLASS C COST ESTIMATE	2026-03-20
3	ISSUED FOR REVIEW	2026-06-17
4	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
5	ISSUED FOR 90% CD	2026-09-29
6	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 5 - MID SIZED CLASSROOM+ STUDY SPACE POWER LAYOUT

WALTERFEDY

TORONTO | CALGARY | EDMONTON | **KITCHENER** | HAMILTON

800.685.1378 **walterfedy.com**

SEAL

LICENSED PROFESSIONAL ENGINEER
T.W. DIETRICH
100108459
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

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DATE :	2026-11-05
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E305



1 / E306 SCOPE 6 ALT PRICE 2 - HALLWAY POWER LAYOUT

Scale: 1 : 50

DRAWING NOTES:

1. RUN NEW FIRE ALARM SIGNAL WIRING IN CEILING SPACE TO FEED NOTED FIRE ALARM DEVICE. MAINTAIN EXISTING SURFACE RUN WIRING UNTIL NEW WIRING IS COMPLETE. REFER TO DESIGNATED SUBSTANCES REPORT FOR ABATEMENT REQUIREMENTS ASSOCIATED WITH CEILING DEMOLITION WORK.
2. NOTED DOOR CONTROL DEVICES ARE TO BE PART OF SCOPE 1.
3. REFEEDING OF THIS DEVICE IS TO BE PART OF SCOPE 1.
4. POWER TO ELECTRIC STRIKE TO BE INSTALLED BY UW IST FROM SERVER ROOM. COORDINATE WITH OWNER'S FORCES.

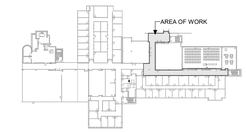
GENERAL NOTES:

1. ALL WORK SHOWN WITHIN THIS SCOPE ARE TO BE ALTERNATE PRICE 3 UNLESS OTHERWISE NOTED.
2. REFER TO DESIGNATED SUBSTANCES REPORT FOR LOCATIONS OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.
3. ALL DEMOLITION AND RENOVATION WORK (INCLUSIVE OF ALL DISCIPLINE SCOPES) WITHIN CEILING SPACE OF THIS SCOPE ARE NOT TO EXCEED 1 SQUARE METER OF TOTAL DISTURBANCE TO EXISTING FIRESPRAY IN CEILING SPACE. ALL BOXES AND WIRING IN CEILING SPACE TO BE OFF SET FROM DECK VIA THREADED ROD AND UNISTRUT ASSEMBLY.

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4	ISSUED FOR 90% CD	2026-09-29
5	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

SCOPE 6 (ALT PRICE 3) - HALLWAY POWER LAYOUT

WALTERFEDY

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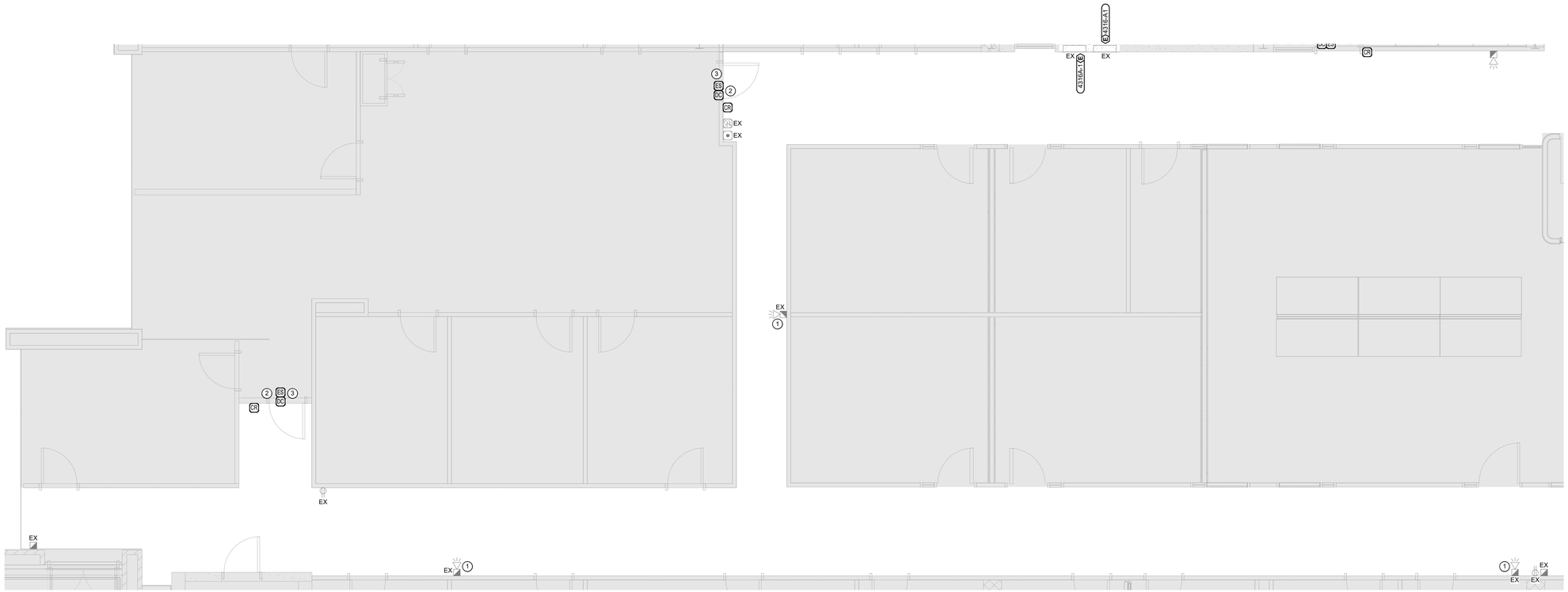
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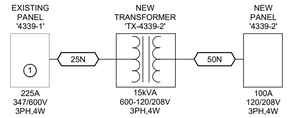
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PROJECT NO :	2024-0711-10	
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CHECKED BY :	K. Shi	


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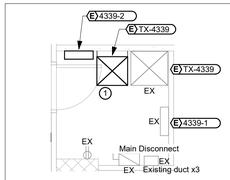


SINGLE LINE DIAGRAM NOTES:

1. INDICATES EXISTING SQUARE D I-LINE PANEL '4339-1'. REMOVE ONE EXISTING UNUSED 15A-1P BREAKER IN PANEL AND REARRANGE EXISTING BREAKERS TO MAKE ROOM FOR NEW 15A-3P BREAKER TO FEED NEW TRANSFORMER 'TX-4339-2'.

1 E801 ELECTRICAL ROOM 4339 SINGLE LINE DIAGRAM

Scale: N.T.S.



ROOM DETAIL NOTES:

1. WALL MOUNT NEW TRANSFORMER ABOVE NEW PANEL.

2 E801 ELECTRICAL ROOM 4339

Scale: 1 : 50

FEEDER SCHEDULE							
TAG	ALLOWABLE AMPACITY	RUNS	PHASE CONDUCTORS	IDENTIFIED (NEUTRAL) CONDUCTOR	BOND	CONDUIT SIZE mm	CONDUIT SIZE in
25N	25	1	3-12 AWG	12 AWG	12 AWG	21	3/4
50N	50	1	3-8 AWG	8 AWG	10 AWG	21	3/4

FEEDER SCHEDULE NOTES:

1. FEEDER SCHEDULE SYMBOLS OMITTING THE 'N' SHALL NOT INCLUDE THE IDENTIFIED (NEUTRAL) CONDUCTOR. CONDUITS SHOWN WITH * MAY REDUCE ONE NOMINAL SIZE WHEN OMITTING THE IDENTIFIED CONDUCTOR.
2. ALL CONDUCTORS SHALL BE COPPER CABLES UNLESS OTHERWISE NOTED.

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PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

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TITLE

ELECTRICAL SINGLE LINE DIAGRAM

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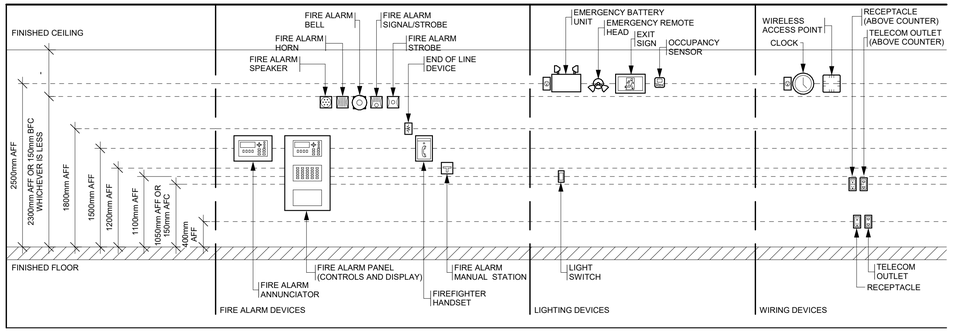
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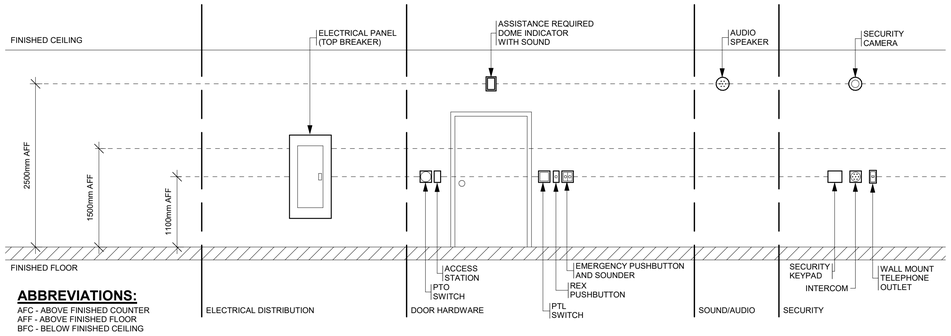
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DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E801



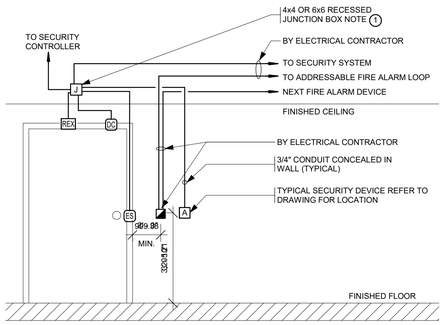


ABBREVIATIONS:

AFC - ABOVE FINISHED COUNTER
AFF - ABOVE FINISHED FLOOR
BFC - BELOW FINISHED CEILING

1 E802 ELECTRICAL STANDARD WALL MOUNTING HEIGHTS

Scale: N.T.S.

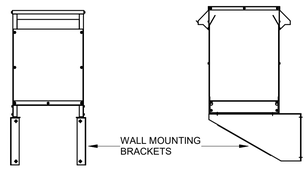


GENERAL NOTES:

1. JUNCTION BOX WILL FACE UNSECURED SIDE OF DOOR. FOR SYSTEM WITH MORE THAN THREE CONDUITS, PROVIDE LARGER BOX.
2. COORDINATE ROUGH-IN WITH DOOR HARDWARE MANUFACTURER PRIOR TO COMMENCING WORK.
3. EXACT CONFIGURATION OF SECURE DOOR TO BE DETERMINED BY SCHEDULE AND DRAWINGS.
4. ALL CONDUITS AND BACKBOXES PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.
5. ELECTRICAL CONTRACTOR TO ROUGH-IN CONDUIT AND JUNCTION BOXES FOR ALL DEVICES SHOWN ON THIS DETAIL REGARDLESS OF INSTALLATION. WHERE DEVICES ARE NOT USED IN INSTALL PROVIDE PULLSTRING AND BLANK COVERPLATE AS REQUIRED.

6 E802 TYPICAL SINGLE DOOR DETAIL

Scale: N.T.S.

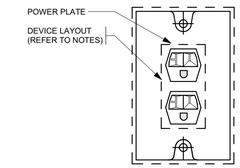


NOTES:

1. ALLOW ADEQUATE VENTILATION SPACE BETWEEN WALLS/CEILING AND TRANSFORMER.
2. CO-ORDINATE TRANSFORMER LOCATION AND MOUNTING WITH BASE BUILDING STRUCTURE ENGINEER PRIOR TO START OF WORK.
3. PROVIDE FLEXIBLE CONDUIT FOR PRIMARY AND SECONDARY CONNECTIONS TO THE TRANSFORMER.
4. PROVIDE SEISMIC RESTRAINTS WHERE REQUIRED BY LOCAL BUILDING CODE. A COMPLETE SET OF SHOP DRAWINGS ARE TO BE SUBMITTED BY THIS CONTRACTOR ALONG WITH CALCULATIONS CERTIFIED BY A PROFESSIONAL ENGINEER WITH A MINIMUM OF 5 YEARS EXPERIENCE IN THE FIELD.
5. THE X0 POINT OF THE SECONDARY SIDE OF TRANSFORMER MUST BE GROUNDED TO MEET ESA REQUIREMENTS.

7 E802 WALL MOUNT TRANSFORMER DETAIL

Scale: N.T.S.

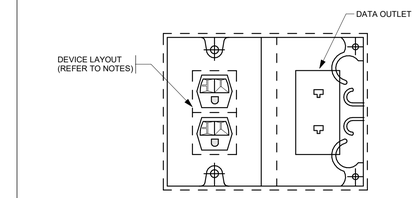


GENERIC 1-GANG FLOOR BOX PLAN VIEW

DUPLEX OUTLET
ROUTE BRANCH CIRCUIT IN SLAB TO NEAREST FULL HEIGHT WALL. AT WALL TURN CONDUIT UP AND TERMINATED STUBBED UP ABOVE ACCESSIBLE CEILING.
DATA OUTLET
PROVIDE E.C. WITH PULLSTRING FOR TELEPHONE/DATA SYSTEMS. ROUTE CONDUIT IN SLAB TO NEAREST FULL HEIGHT WALL. AT WALL TURN CONDUIT UP AND TERMINATE STUBBED UP ABOVE ACCESSIBLE CEILING.

3 E802 1-GANG FLOOR BOX DETAIL

Scale: N.T.S.



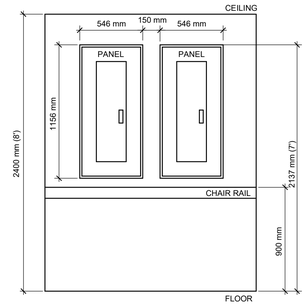
GENERIC 2-GANG FLOOR BOX PLAN VIEW

DUPLEX AND DATA OUTLETS
PROVIDE E.C. WITH PULLSTRING FOR TELEPHONE/DATA SYSTEMS. ROUTE CONDUIT IN SLAB TO NEAREST FULL HEIGHT WALL. AT WALL TURN CONDUIT UP AND TERMINATE STUBBED UP ABOVE ACCESSIBLE CEILING.
ROUTE BRANCH CIRCUIT IN SLAB TO NEAREST FULL HEIGHT WALL. AT WALL TURN CONDUIT UP AND TERMINATE STUBBED UP ABOVE ACCESSIBLE CEILING.
DOUBLE DUPLEX OUTLETS
ROUTE BRANCH CIRCUIT IN SLAB TO NEAREST FULL HEIGHT WALL. AT WALL TURN CONDUIT UP AND TERMINATE STUBBED UP ABOVE ACCESSIBLE CEILING.
ROUTE BRANCH CIRCUIT IN SLAB TO NEAREST FULL HEIGHT WALL. AT WALL TURN CONDUIT UP AND TERMINATE STUBBED UP ABOVE ACCESSIBLE CEILING.

NOTE: REFER TO FLOOR BOX SCHEDULE FOR ADDITIONAL INFORMATION

4 E802 2-GANG FLOOR BOX DETAIL

Scale: N.T.S.

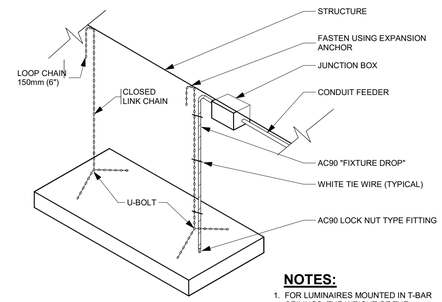


NOTE:

1. DIMENSIONS ARE BASED ON A SINGLE PANEL MANUFACTURER FOR DESIGN PURPOSES. ELECTRICAL CONTRACTOR IS TO COORDINATE TOP OF PANEL MOUNTING HEIGHT WITH CHAIR RAIL HEIGHT FOR ACTUAL PANEL DIMENSION IN EACH LOCATION.

5 E802 ELECTRICAL PANEL INSTALLATION DETAIL

Scale: N.T.S.



NOTES:

1. FOR LUMINAIRES MOUNTED IN T-BAR CEILINGS, THE WEIGHT OF THE LUMINAIRE IS TO BE SUPPORTED BY THE SUPPORT CHAINS, NOT THE T-BAR.

2 E802 LUMINAIRE SUSPENSION DETAIL

Scale: N.T.S.

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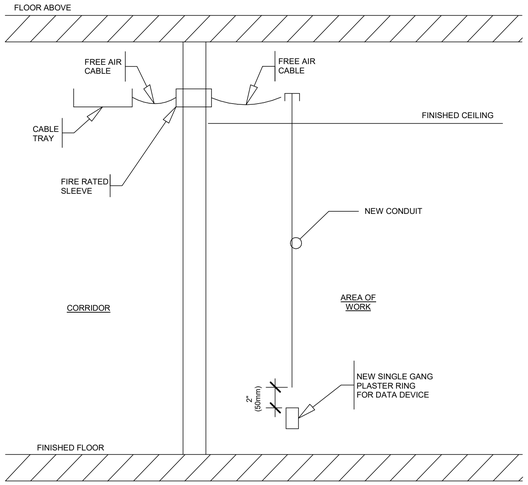
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2026-11-06
PROVINCE OF ONTARIO
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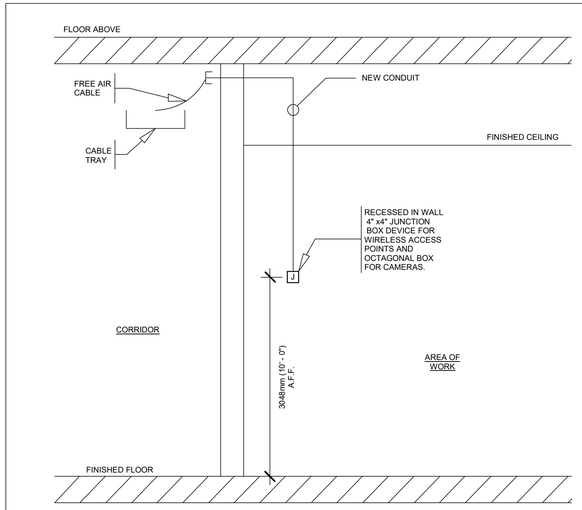
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DATE :	2026-11-05		
PROJECT NO :	2024-0711-10		
DRAWN BY :	S. Makay		
CHECKED BY :	K. Shi		



NOTES:

1. ALL CONDUIT TO BE CONCEALED, C/W PULL CORD AND PLASTIC BUSHINGS INSTALLED AT BOTH ENDS. REFER TO DRAWING SPECIFICATION FOR CONDUIT SIZE.
2. CONTRACTOR TO ENSURE CONDUIT IS ROUTED FROM DATA DEVICES(S) DIRECTLY TO THE NEAREST ACCESSIBLE CEILING SPACE, OR AS NOTED ON THE DRAWING.
3. PROVIDE FIRE STOPPING FOR ALL CORRIDOR WALL PENETRATIONS, AS REQUIRED.
4. CONTRACTOR TO UTILIZE EXISTING IST INFASTRUCTURE IN CORRIDOR SPACE AS REQUIRED.
5. REFER TO ELECTRICAL DRAWING SPECIFICATION AND LAYOUTS FOR ADDITIONAL INFORMATION.

1 E803 TYPICAL DATA DEVICE INSTALLATION - FIRE RATED SLEEVE
Scale: N.T.S.



NOTES:

1. ALL CONDUIT TO BE 3/4" & CONCEALED.
2. CONTRACTOR TO ENSURE CONDUIT IS ROUTED FROM DATA DEVICE(S) DIRECTLY TO THE CEILING SPACE OF THE CORRIDOR.
3. CONDUIT TO ENTER SIDES OF FULLY ENCLOSED CABLE TRAY SYSTEMS. AT NO TIME SHALL THE CONDUIT ENTER FROM THE TOP OR BOTTOM OF THESE SYSTEMS.
4. PROVIDE FIRE STOPPING FOR ALL CORRIDOR WALL PENETRATIONS, AS REQUIRED.
5. CONTRACTOR TO UTILIZE EXISTING IST INFASTRUCTURE IN CORRIDOR SPACE AS REQUIRED.
6. REFER TO ELECTRICAL DRAWING SPECIFICATION AND LAYOUTS FOR ADDITIONAL INFORMATION.

2 E803 CAMERA/WIRELESS ACCESS POINT WALL ROUGH-IN
Scale: N.T.S.

NOTES:

1. ALL CONDUIT TO BE CONCEALED, C/W PULL CORD AND PLASTIC BUSHIINGS INSTALLED AT BOTH ENDS. REFER TO DRAWING SPECIFICATION FOR CONDUIT SIZE.
2. CONTRACTOR TO ENSURE CONDUIT IS ROUTED FROM DATA DEVICE(S) DIRECTLY TO THE CEILING SPACE OF THE CORRIDOR, EXTENDED NEAR EXISTING CABLE TRAY SYSTEM.
3. PROVIDE FIRE STOPPING FOR ALL CORRIDOR WALL PENETRATIONS, AS REQUIRED.
4. CONTRACTOR TO UTILIZE EXISTING IST INFRASTRUCTURE IN CORRIDOR SPACE AS REQUIRED.
5. REFER TO ELECTRICAL DRAWING SPECIFICATION AND LAYOUTS FOR ADDITIONAL INFORMATION.

3 E803 TYPICAL DATA DEVICE INSTALLATION
Scale: N.T.S.

NOTES:

1. ALL CONDUIT TO BE 3/4" & CONCEALED.
2. CONTRACTOR TO ENSURE CONDUIT IS ROUTED FROM DATA DEVICE(S) DIRECTLY TO THE CEILING SPACE OF THE CORRIDOR.
3. CONDUIT TO ENTER SIDES OF FULLY ENCLOSED CABLE TRAY SYSTEMS. AT NO TIME SHALL THE CONDUIT ENTER FROM THE TOP OR BOTTOM OF THESE SYSTEMS.
4. PROVIDE FIRE STOPPING FOR ALL CORRIDOR WALL PENETRATIONS, AS REQUIRED.
5. CONTRACTOR TO UTILIZE EXISTING IST INFASTRUCTURE IN CORRIDOR SPACE AS REQUIRED.
6. REFER TO ELECTRICAL DRAWING SPECIFICATION AND LAYOUTS FOR ADDITIONAL INFORMATION.

4 E803 CAMERA/WIRELESS ACCESS POINT CEILING ROUGH-IN
Scale: N.T.S.

NOTES:

1. THIS CONTRACTOR TO CARRY THE COST OF COMISSIONING THE nLIGHT SYSTEM.
2. FIXTURES, SENSORS AND SWITCHES ARE TO BE CONNECTED USING CAT5 CABLE. EACH FIXTURE IS TO BE WIRED TO ITS NOTED LIGHTING CIRCUIT.
3. CONNECT BACK TO EXISTING nLIGHT ECLYPSE LOCATED ON THE FIRST FLOOR IN ROOM 1325A.
4. ALL CAT5 UTP CABLING AND TERMINATIONS SHALL BE INSTALED ACCORDING TO ANSI/TIA/EIA 568A AND SHALL BE ADHERED TO FOR ALL ASPECTS OF THE UTP CABLE PLAN.
5. GATEWAYS ARE TO BE SUPPLIED AS REQUIRED TO SUIT LOAD.

5 E803 TYPICAL nLIGHT WIRE DIAGRAM
Scale: N.T.S.

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CHECKED BY :	K. Shi

SHEET NO :

E803

LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	SERIES	PHYSICAL CHARACTERISTICS								ELECTRICAL CHARACTERISTICS						NOTES	REV	Count
				NOMINAL SIZE	HOUSING		FINISH		MOUNTING		OPTIC	VOLTS	LOAD	LUMENS	CCT	CRI	DRIVER	ACCESSORIES			
					RATING	MATERIAL	COLOUR	TYPE	TYPE	HEIGHT											
D: DOWNLIGHT																					
D10	6" LED DOWNLIGHT	LITHONIA LIGHTING	LDN6	6" x 4"		STL	CLR	AR	RECESSED	CEILING	MEDIUM-WIDE BEAM	120 V	10 VA	1000	3500K	80 CRI	GZ10	INTEGRATED nLIGHT CONTROLS			82
D30	32" LED ROUND SURFACE FIXTURE	A-LIGHT	ATL2	36" x 4"		ALU	WHT	PWD	SUSPENDED	CEILING	DIFFUSE ACRYLIC LENS	120 V	40 VA	4654	3500K	80 CRI	D	INTEGRATED nLIGHT CONTROLS			1
D40	2" LED DOWNLIGHT	GOTHAM	EVO2	3" x 4"		ALU	CLR	AR	RECESSED	CEILING	WIDE	120 V	21 VA	1500	3500K	80 CRI	UGZ	INTEGRATED nLIGHT CONTROLS			12
L: LINEAR																					
L10	VARIES	VARIES	VARIES	VARIES x VARIES x 3"	VARIES	VARIES	VARIES	VARIES	VARIES	VARIES	VARIES	120 V	VARIES	VARIES	VARIES	VARIES	VARIES	VARIES			8
L20	RECESSED LED LINEAR FIXTURE	VARIES	VARIES	VARIES x 6" x 3"		ALU	WHT	PWD	RECESSED	CEILING	VARIES	120 V	40 VA	VARIES	3500K	80 CRI	D	INTEGRATED nLIGHT CONTROLS			26
L30	SUSPENDED LED LINEAR FIXTURE	A-LIGHT	ALD2ST	48" x 6" x 3"		ALU	WHT	PWD	SUSPENDED	CEILING	INDIRECT BATWING EXTRA-WIDE	120 V	42 VA	1607	3500K	80 CRI	D	INTEGRATED nLIGHT CONTROLS			6
L40	LED UNDERCABINET	LITHONIA LIGHTING	UPLD	84" x 4" x 3"		STL	WHT	PWD	SURFACE	ON MILLWORK	INTEGRATED DIFFUSER LENS	120 V	40 VA	506	3500K	90 CRI	DIM10	INTEGRATED nLIGHT CONTROLS			1
L50	RECESSED LED LINEAR FIXTURE	A-LIGHT	ACL5	96" x 6" x 3"		ALU	WHT	PWD	RECESSED	CEILING	DIRECT HE TECH	120 V	40 VA	1229	3500K	80 CRI	D	INTEGRATED nLIGHT CONTROLS			6
L51	RECESSED LED LINEAR FIXTURE	A-LIGHT	ACL5	48" x 6" x 3"		ALU	WHT	PWD	RECESSED	CEILING	DIRECT HE TECH	120 V	40 VA	1229	3500K	80 CRI	D	INTEGRATED nLIGHT CONTROLS			1
L70	RECESSED LED LINEAR FIXTURE	A-LIGHT	D5	VARIES x 6" x 3"		ALU	WHT	PWD	RECESSED	CEILING	DIRECT HE TECH	120 V	19 VA	1323	3500K	80 CRI	D	INTEGRATED nLIGHT CONTROLS			12
L80	RECESSED LED LINEAR FIXTURE	AXIS LIGHTING	B6RLED	120" x 4" x 3"		ALU	WHT	PWD	RECESSED	CEILING	DIRECT FLUSH SPOTLESS LENS	120 V	37 VA	1200 lm/ft	3500K	90 CRI	DP	INTEGRATED nLIGHT CONTROLS			4
L90	RECESSED LED LINEAR FIXTURE	A-LIGHT	ALD3ST	144" x 4" x 3"		ALU	WHT	PWD	RECESSED	CEILING	DIRECT HE TECH	120 V	21 VA	1323	3500K	80 CRI	D	INTEGRATED nLIGHT CONTROLS			1
W10	WALL MOUNTED LED LINEAR FIXTURE	A-LIGHT	MIRA ASYMMETRIC	96" x 8" x 3"		ALU	WHT	PWD	DIRECT WALL	WALL	DIFUSED LED OPTIC	120 V	40 VA	300 lm/ft	3500K	90 CRI	ZT	INTEGRATED nLIGHT CONTROLS			1
T: TROFFER																					
T10	1X4' LED TROFFER	LITHONIA LIGHTING	BLT	48" x 12" x 3"		STL	WHT	PWD	RECESSED	CEILING	DIFFUSE ACRYLIC LENS	120 V	32 VA	3941	3500K	82 CRI	DIM10	INTEGRATED nLIGHT CONTROLS			147
T20	2X4' LED TROFFER	LITHONIA LIGHTING	BLT	48" x 24" x 3"		STL	WHT	PWD	RECESSED	CEILING	DIFFUSE ACRYLIC LENS	120 V	31 VA	4102	3500K	82 CRI	DIM10	INTEGRATED nLIGHT CONTROLS			34
X: EXIT SIGNAGE																					
X10	EXIT SIGN	STANPRO	RMS	2" x 12" x 7 1/2"		STL	WHT	PWD	UNIVERSAL MOUNTING		LED ULTRA-BRIGHT EDGE	120 V	2 VA				LED EMERGENCY SIGN				23
Grand total: 365																					

LIGHTING FIXTURE SCHEDULE NOTES:

1. PRODUCTS OTHER THAN THOSE LISTED WILL BE CONSIDERED. OTHER PRODUCTS MUST BE CAPABLE OF PROVIDING THE SAME LEVEL OF PERFORMANCE, INCLUDING CONTROL CAPACILITY, AS THE BASIS OF DESIGN PRODUCTS NAMED. SUBMIT PRODUCT DATA IN ACCORDANCE WITH THE 'LIGHTING' SECTION OF THE ELECTRICAL SPECIFICATIONS.
2. ALL INTERIOR LIGHTING FIXTURES SHALL HAVE A MINIMUM CRI OF 80; EXTERIOR FIXTURES SHALL HAVE A MINIMUM CRI OF 70. WHENEVER A CRI OF 80+ OR HIGHER IS CALLED FOR IN THE SCHEDULE, A R9 VALUE OF >50 SHALL ALSO BE PROVIDED.
3. ALL LED DRIVERS SHALL BE FREE OF NOTICABLE FLICKER AS DETERMINED BY THE OWNER AND/OR CONSULTANT. DIMMING DRIVERS SHALL PROVIDE SMOOTH AND CONTINUOUS DIMMING. ANY LED DRIVER THAT PRODUCES NOTICABLE FLICKER SHALL BE REPLACED BY THE LUMINAIRE MANUFACTURER FREE OF CHARGE.
4. UNLESS NOTED OTHERWISE, ALL FIXTURES SHALL HAVE INTEGRAL 0-10V DIMMABLE DRIVERS WITH A DIMMING RANGE OF 100% TO 10% MINIMUM.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE PRODUCTS SUPPLIED AND INSTALLED ARE COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM AND/OR DEVICES. THE CONTRACTOR SHALL PROVIDE THE CONTROLS SYSTEM MANUFACTURER OF THEIR CHOICE WITH A COPY OF ALL DRAWINGS AND SCHEDULES.

HOUSING RATING TYPES:
DRY - DRY LOCATION
DAMP - DAMP LOCATION
WET - WET LOCATION
OUT - IP65 MIN / COLD RATED
IPXX - IP XX RATING
NEXX - NEMA XX RATING
ZNXX - ZONE XX RATING
VAN - VANDAL RESISTANT

HOUSING FINISH TYPES:
ANO - ANODIZIED
BRU - BRUSHED
PNT - PAINTED
PWD - POWDER COATED
TEX - TEXTURED

HOUSING MATERIAL TYPES:
STL - STEEL
ALU - ALUMINIUM

OPTIC TYPES:
DIF - DIFFUSE OPTIC
BAT - BATWING
SPXX - SPOT OPTIC XX DEGREES
TYPX - OUTDOOR TYPE X OPTIC
WW - WALL WASH
ELI - ELIPTICAL
STPX - STEP LENS X"

DRIVER TYPES:
NON - NON-DIMMING
BI - BI-LEVEL OUTPUT
DIM1 - 0-10V 1% DIMMING OUTPUT
DIM10 - 0-10V 10% DIMMING OUTPUT
DALI - DALI
BIOS - BIOS
DMX - DIGITAL MULTIPLEX
WIR - WIRELESS
REM - REMOTE

ACCESSORIES TYPES:
AT - AUTO-TEST
EM - UL924 EMERGENCY TRANSFER

WIRING FOR MECHANICAL EQUIPMENT SCHEDULE

EQUIPMENT		LOCATION	ELECTRICAL					STARTER	CONTROL				INTERLOCK						
TAG	DESCRIPTION	NAME	NO.	VOLTAGE	PHASE	LOAD	WATTAGE	TYPE	LOCATION	LOCAL	ELECTRICAL	MECHANICAL	COMMUNICATION	TO	BY	MCC	MAINTENANCE REC	INTREGRAL LTG	P/A SHUTDOWN	REMARKS
FCU-1	FAN COIL UNIT			120 V	1		0.77 kW	INT				BAS								
FCU-2	FAN COIL UNIT			120 V	1		0.81 kW	INT				BAS								
FCU-3	FAN COIL UNIT			120 V	1		0.20 kW	INT				BAS								
TF-1	EXHAUST FAN			120 V	1		0.20 kW	INT				BAS								

WIRING FOR MECHANICAL EQUIPMENT SCHEDULE NOTES:

1. PROVIDE CONTROL VOLTAGE FROM A PROPER FUSED CONTROL CIRCUIT TRANSFORMER MOUNTED INTEGRALLY WITHIN THE CORRESPONDING DEVICE/STARTER.
2. PROVIDE 'SPRING RETURN' TO OFF (0) FROM HAND (H) POSITION FOR SUPERVISED TEST PURPOSES ONLY.
3. ON/OFF CONTROL SWITCH SHALL BE MOTOR RATED FOR LOAD.
4. INTEGRATE WITHIN CONTROL DEVICE ENCLOSURE ALL STATUS CONTACTS FOR ALARM AND DEVICE STATE, ETC.
5. INCLUDE THE FOLLOWING WITH ALL VARIABLE FREQUENCY DRIVES (VFD): ENCLOSURE APPROPRIATE FOR ENVIRONMENT, START/STOP PUSHBUTTON, HAND-OFF-AUTO, CONTROL SWITCH, DOOR MOUNTED HMI, DOOR MOUNTED DISCONNECT SWITCH, MANUALLY OPERATED VFD BYPASS, AUTOMATIC DRIVE BYPASS (FULL SPEED), LINE AND LOAD REACTORS, AND GROUND FAULT SENSING ALARM/TRIP. REFER TO SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
6. RATE ALL MECHANICAL EQUIPMENT FEEDERS TO MATCH THE OVERCURRENT PROTECTION DEVICE SPECIFIED.
7. PROVIDE 5-15R DUPLEX RECEPTACLE AND DATA CONNECTION WITHIN MAIN BAS PANEL LOCATED IN MAIN MECHANICAL ROOM. PROVIDE 120 V POWER SUPPLY TO BAS CONTROL TRANSFORMERS LOCATED THROUGHOUT THE FLOOR SPACE. PROVIDE ONE CONNECTION FOR EACH 500 m2 (5,000 ft2) OF NON-INDUSTRIAL SPACE. FINAL LOCATIONS TO BE DETERMINED BY CONTROLS CONTRACTOR DURING CONSTRUCTION.
8. PROVIDE 120 V POWER SUPPLY FOR EACH GROUP (MAXIMUM OF FIVE) VAV BOXES. WIRE TO VAV BOX FROM POWER SUPPLY AS DIRECTED BY CONTROLS CONTRACTOR.
9. ELECTRICAL CONTRACTOR TO TERMINATE WIRING FOR I/O (AS NOTED) AT THE LOCAL BAS PANEL COMPLETE WITH SLACK CABLE FOR CONNECTION BY MECHANICAL CONTROLS CONTRACTOR.
10. PROVIDE SUITABLE NORMALLY CLOSED (ENERGIZED) RELAY IN A NEMA RATED ENCLOSURE TO OPEN ON FIRE ALARM SIGNAL, MOUNT IN EQUIPMENT HOUSING AS DIRECTED BY CONTROLS CONTRACTOR.
11. PROVIDE LED PILOT LIGHTS IN FRONT FACE OF ALL CONTROL DEVICES AS FOLLOWS:
    a. GREEN-RUNNING
    b. RED-FAILED/FAULT
    c. AMBER-MANUAL
    - ABSENCE OF ANY ILLUMINATED LIGHT INDICATES MOTOR IS OFF AND/OR AVAILABLE FOR USE.
12. PROVIDE ALL FANS AND MOTORS WITH LOCAL ISOLATION SWITCH (EVEN IF NOT SHOWN ON DRAWINGS).
13. PROVIDE VFD RATED CABLES WITH BRAKE SIGNAL PAIR BETWEEN MECHANICAL EQUIPMENT AND ASSOCIATED VFD. PROVIDE DISCONNECT SWITCH COMPLETE WITH AUXILARY CONTACTS WHEN MECHANICAL EQUIPMENT IS MOUNTED REMOTELY FROM ASSOCIATED VARIABLE FREQUENCY DRIVE.
14. LOOSE STARTERS SHALL BE SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.
15. LOCAL REMOTE CONTROL SHALL BE PROVIDED INTEGRAL WITH THE STARTER.
16. ELECTRICAL REMOTE CONTROL SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AT A REMOTE LOCATION.
17. MECHANICAL REMOTE CONTROL SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AT A REMOTE LOCATION.

STARTER TYPES:
MAN - MANUAL
MAG - MAGNETIC
CON - CONTACTOR
VFD - VARIABLE FREQUENCY DRIVE
CMB - COMBINATION
SFT - SOFT STARTER
SSS - SOLID STATE STARTER
2SP - TWO SPEED STARTER
RVS - REDUCED VOLTAGE STARTER
REV - REVERSING STARTER
INT - INTEGRAL
LOS - LOOSE

STARTER LOCATION TYPES:
INT - INTEGRAL
REM - REMOTE
MCC - MOTOR CONTROL CENTRE

LOCAL CONTROL TYPES:
HLS - HIGH LOW SELECTOR
HOA - HAND-OFF-AUTO
OOS - ON-OFF SELECTOR
SSP - START-STOP PUSHBUTTONS
HMI - HUMAN MACHINE INTERFACE

ELECTRICAL REMOTE CONTROL TYPES:
TST - THERMOSTAT
OOS - ON-OFF SELECTOR
SSP - START-STOP PUSHBUTTON
TCK - TIME CLOCK
REL - CONTROL RELAY

MECHANICAL REMOTE CONTROL TYPES:
TST - THERMOSTAT
BAS - BUILDING AUTOMATION SYSTEM
CP - CONTROL PANEL
FST - FIRESTAT
AQT - AQUASTAT

COMMUNICATION/MONITOR TYPES:
BAS - BUILDING AUTOMATION SYSTEM
IP - ETHERNET
MOD - MODBUS

LIGHTING CONTROL NARRATIVE SCHEDULE

TYPE	LIGHTING CONTROL NARRATIVE
	TYPICAL SPACES
a1	CLASSROOM - ON/OFF/DIM PUSH BUTTON + OCCUPANCY SENSOR AUTO ON/OFF: LIGHTS ARE AUTOMATICALLY TURNED ON BY OCCUPANCY SENSORS TO 50% OCCUPANCY SENSORS WILL MONITOR THE OCCUPANCY. IF NO OCCUPANCY IS DETECTED AFTER 10 MINUTES THE LIGHTS WILL DIM TO DARK. WALL SWITCHES ACT AS GLOBAL ON/OFF/DIMMING OVERRIDE CONTROL. CRESTRON CONTROLLER (BY ITMS) TO PROVIDE ZONE CONTROL AND A/V MODE PER THE LAYOUT.
b1	PRIVATE OFFICE/LAB - ON/OFF/DIM PUSH BUTTON + OCCUPANCY SENSOR ON/OFF: LIGHTS ARE AUTOMATICALLY TURNED ON BY OCCUPANCY SENSORS TO 50% OCCUPANCY SENSORS WILL MONITOR THE OCCUPANCY. IF NO OCCUPANCY IS DETECTED AFTER 10 MINUTES THE LIGHTS WILL DIM TO DARK. WALL SWITCHES ACT AS GLOBAL ON/OFF/DIMMING OVERRIDE CONTROL.
b2	OPEN OFFICE/LAB - ON/OFF/DIM PUSH BUTTON + OCCUPANCY SENSOR ON/OFF: LIGHTS ARE AUTOMATICALLY TURNED ON BY OCCUPANCY SENSORS TO 50% OCCUPANCY SENSORS WILL MONITOR THE OCCUPANCY. IF NO OCCUPANCY IS DETECTED AFTER 10 MINUTES THE LIGHTS WILL DIM TO DARK. WALL SWITCHES ACT AS GLOBAL ON/OFF/DIMMING OVERRIDE CONTROL AND OPERATION OF LIGHTING ZONES. REFER TO LAYOUT FOR ZONE INDICATIONS.
c1	LOUNGE/QUIET STUDY - TOUCH SCREEN + OCCUPANCY SENSOR AUTO ON/OFF: LIGHTS ARE AUTOMATICALLY TURNED ON BY OCCUPANCY SENSORS TO 50% OCCUPANCY SENSORS WILL MONITOR THE OCCUPANCY. IF NO OCCUPANCY IS DETECTED AFTER 10 MINUTES THE LIGHTS WILL DIM TO DARK. TOUCH SCREEN C/W UW LOGO LOCK SCREEN ACT AS GLOBAL SCENE OVERRIDE CONTROL AND OPERATION OF LIGHTING ZONES. REFER TO LAYOUT FOR SCENE DESCRIPTIONS AND ZONE INDICATIONS. LIGHTS TO FLICKER AT 9:00PM TO INDICATED CLOSING OF SPACE.
f1	UTILITY SPACE/STORAGE - ON/OFF PUSH BUTTON + OCCUPANCY SENSOR AUTO ON: LIGHTS ARE AUTOMATICALLY TURNED ON BY OCCUPANCY SENSORS TO 100% OCCUPANCY SHALL NOT TURN OFF LIGHTS AUTOMATICALLY DUE TO SAFETY CONCERNS. WALL SWITCHES ACT AS GLOBAL ON/OFF OVERRIDE CONTROL.
g1	CORRIDOR/STAIRWELL - OCCUPANCY SENSOR AUTO ON/LOW + MAINTENANCE OVERRIDE SWITCH: LIGHTS ARE AUTOMATICALLY TURNED ON BY OCCUPANCY SENSORS TO 80% OCCUPANCY SENSORS WILL MONITOR THE OCCUPANCY. IF NO OCCUPANCY IS DETECTED AFTER 30 MINUTES THE LIGHTS WILL DIM TO 25% OUTPUT. ALL LIGHTS WITHIN EACH CORRIDOR/STAIRWELL TO ACT AS ONE GLOBAL OCCUPANCY ZONE SO ALL LIGHTS ADJUST TOGETHER (NORMAL AND EMERGENCY.) THREE-WAY KEYED WALL SWITCHES TO ACT AS ON/OFF MAINTENANCE OVERRIDE ONLY.
	ADDITIONAL CONTROLS
z1	EMERGENCY LIGHTIN - INTEGRATED: TO BE READ IN CONJUNCTION WITH PAIRED NARRATIVE, PER SPACE. EMERGENCY LIGHTING TO BE INTEGRATED INTO GENERAL LIGHTING FIXTURES. EMERGENCY LIGHTS TO BE CONTROLLED ALONG WITHE REST OF THE LIGHTS IN THE SPACE BUT SWITCH OVER TO EMERGENCY 100% ON WHEN THERE IS LOSS OF NORMAL POWER. REFER TO LAYOUT AND WIRING DIAGRAMS FOR ADDITIONAL INFORMATION.
z4	DAYLIGHT HARVESTING: TO BE READ IN CONJUNCTION WITH PAIRED NARRATIVE, PER SPACE. PHOTOCELL TO MONITOR DAYLIGHT CONTRIBUTION, LIGHTING FIXTURES WITHIN INDICATED DAYLIGHT ZONE TO ADJUEST LIGHT OUTPUT TO SUIT OVERALL DAYLIGHT CONTRIBUTION (RAISE/LOWER/OFF) FOR A MINIMUM OF 40FC AT DESK HEIGHT, UNLESS NOTED OTHERWISE.
z8	FIRE ALARM MODE TO BE READ IN CONJUNCTION WITH PAIRED NARRATIVE, PER SPACE. ALL IGHTING WITHIN SPACE TO TURN ON TO 100% UPON ACTIVATION OF BUILDING FIRE ALARM SYSTEM. TYPICAL FOR LARGE CLASSROOMS, THEATER SPACES, AND OTHER GATHER SPACES WITH AN OCCUPANCY LOAD OVER 30 PEOPLE. LIGHTING SYSTEM TO BE C/W OUTPUT MODULE FROM FIRE ALARM SYSTEM.

NOTES
1. REFER TO DRAWING LAYOUT FOR LOCATION OF ASSOCIATED DEVICES AND ADDITIONAL NOTES.
2. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION REGARDING FIXTURE SELECTIONS.
3. ALLOW FOR REPROGRAMMING FROM USED GROUP INPUT AFTER 6 MONTHS OF USE.

CLIENT LOGO

UNIVERSITY OF WATERLOO

KEYPLAN

No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-06-17
2	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
3	ISSUED FOR 90% CD	2026-09-29
4	ISSUED FOR TENDER	2026-11-05

CLIENT
UNIVERSITY OF WATERLOO
200 University Ave W, Waterloo, ON N2L 3G1

PROJECT
CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH
200 University Ave W, Waterloo, ON N2L 3G1

TITLE
ELECTRICAL SCHEDULES

WALTERFEDY
TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON
800.685.1378 walterfedy.com

SEAL
LICENSED PROFESSIONAL ENGINEER
T.W. DIETRICH
100109459
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

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SCALE :	AS NOTED
DATE :	2026-11-05
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :
E901

Branch Panel: 3390-1

EXISTING

Location: REVIT ROOM NAME 3606
Supply From:
Mounting: RECESSED
Enclosure: NEMA 3R
Manufacturer:
Model:

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

A.I.C. Rating:
Mains Type: BREAKER
Mains Rating: 100 A
MCB Rating: 100 A
Bus Material: COPPER

Notes:

CCT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CCT
1	+ FIRE DAMPER	15 A	1	0.2	0					1	15 A	^ SPARE	2
3	+ RECEPTACLES - 3603	20 A	1			0.54	0			1	15 A	^ SPARE	4
5	+ RECEPTACLES - 3603C	20 A	1					0.54	0	1	15 A	^ SPARE	6
7	^ SPARE	15 A	1	0	0					1	20 A	^ Lights 1st Floor and C&D	8
9	^ SPARE	15 A	1			0	0			1	15 A	^ Lights 1st Floor	10
11	^ Vending Machine 1st Floor	15 A	1					0	0	1	15 A	^ SPARE	12
13	^ Vending Machine 1st Floor	20 A	1	0	0					1	20 A	Recept 1st Floor	14
15	^ Vending Machine 1st Floor	20 A	1			0	0			1	15 A	^ SPARE	16
17	^ Vending Machine 1st Floor	30 A	1					0	0	1	15 A	^ SPARE	18
19	^ Vending Machine 1st Floor	30 A	1	0	0					1	15 A	^ SPARE	20
21	^ Recept 1st Floor Mezz.	15 A	1			0	0			1	15 A	^ SPARE	22
23	^ Recept 1st Floor Mezz.	15 A	1					0	0	1	15 A	^ SPARE	24
25	^ EXISTING LOAD	15 A	1	0	0					1	15 A	^ SPARE	26
27	^ EXISTING LOAD	15 A	1			0	0			1	15 A	^ SPARE	28
29	^ SPARE	15 A	1					0	0	1	15 A	^ SPARE	30
31	^ SPARE	15 A	1	0	0					1	15 A	^ SPARE	32
33	^ SPARE	15 A	1			0	0			1	15 A	^ SPARE	34
35	^ Electric Blinds, Poets Pub	15 A	1					0	0	1	15 A	^ SPARE	36
37	^ Electric Blinds, Poets Pub	15 A	1	0	0					1	15 A	^ SPARE	38
39	+ RECEPTACLES - 3603	20 A	1			0.54	0			1	15 A	^ SPARE	40
41	^ SPARE	15 A	1					0	0	1	15 A	^ SPARE	42
			Total Load:	0.2 kW		1.08 kW		0.54 kW					
			Total Amps:	2 A		9 A		5 A					

Legend:

ALL BREAKERS SHALL BE NEW UNLESS OTHERWISE NOTED
+ - BREAKER MADE AVAILABLE BY DEMOLITION
^ - EXISTING BREAKER
M - METER
ST - SHUNT TRIP

GFCI - GROUND FAULT CIRCUIT INTERUPT
AFCI - ARC FAULT CIRCUIT INTERUPT
AUX - AUXILIARY CONTACT

Branch Panel: 3370A-1

EXISTING

Location:
Supply From:
Mounting: RECESSED
Enclosure: NEMA 2
Manufacturer:
Model:

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

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 100 A
Bus Material: COPPER

Notes:

CCT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CCT
1	*EXISTING LOAD	15 A	1	0	0					1	15 A	*EXISTING LOAD	2
3	*EXISTING LOAD	15 A	1			0	0			1	15 A	*EXISTING LOAD	4
5	*EXISTING LOAD	15 A	1					0	0	1	15 A	*EXISTING LOAD	6
7	*EXISTING LOAD	15 A	1	0	0					1	15 A	*EXISTING LOAD	8
9	*EXISTING LOAD	15 A	1			0	0			1	15 A	*EXISTING LOAD	10
11	*EXISTING LOAD	15 A	1					0	0	1	15 A	*EXISTING LOAD	12
13	*EXISTING LOAD	15 A	1	0	0					1	15 A	*EXISTING LOAD	14
15	+ RECEPTACLES - 3603A	20 A	1			0.54	0			1	15 A	*EXISTING LOAD	16
17	+ LIGTHING	15 A	1					0.8	0	1	15 A	*EXISTING LOAD	18
19	+ RECEPTACLES - 3603 A	20 A	1	0.36	0					1	15 A	*EXISTING LOAD	20
21	+ RECEPTACLES - 3603B	20 A	1			0.36	0			1	15 A	*EXISTING LOAD	22
23	*EXISTING LOAD	15 A	1					0	0	1	15 A	*EXISTING LOAD	24
25	*EXISTING LOAD	15 A	1	0	0					1	15 A	*EXISTING LOAD	26
27	*EXISTING LOAD	15 A	1			0	0			1	15 A	*EXISTING LOAD	28
29	*EXISTING LOAD	15 A	1					0	0	1	15 A	*EXISTING LOAD	30
31	*EXISTING LOAD	15 A	1	0	0					1	15 A	*EXISTING LOAD	32
33	*EXISTING LOAD	15 A	1			0	0			1	15 A	*EXISTING LOAD	34
35	*EXISTING LOAD	15 A	1					0	0	1	15 A	*EXISTING LOAD	36
37	*EXISTING LOAD	15 A	1	0	0					1	15 A	*EXISTING LOAD	38
39	*EXISTING LOAD	15 A	1			0	0			1	15 A	*EXISTING LOAD	40
41	*EXISTING LOAD	15 A	1					0	0	1	15 A	*EXISTING LOAD	42
			Total Load:	0.36 kW		0.9 kW		0.804 kW					
			Total Amps:	3 A		8 A		7 A					

Prefix Legend:

ALL BREAKERS SHALL BE NEW UNLESS OTHERWISE NOTED
+ - BREAKER MADE AVAILABLE BY DEMOLITION
^ - EXISTING BREAKER
M - METER
ST - SHUNT TRIP

GFCI - GROUND FAULT CIRCUIT INTERUPT
AFCI - ARC FAULT CIRCUIT INTERUPT
AUX - AUXILIARY CONTACT

Branch Panel: 4339-1

NEW/EXISTING

Location:
Supply From:
Mounting: SURFACE
Enclosure: NEMA 3R
Manufacturer:
Model:

Volts: 600/347 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: BREAKER
Mains Rating: 100 A
MCB Rating: 100 A
Bus Material: COPPER

Notes:

CCT	Circuit Description	Trip	Poles	A (kW)		B (kW)		C (kW)		Poles	Trip	Circuit Description	CCT
1	Lighting fourth floor offices	20 A	1	0	0					1	20 A	" " " "	2
3	" " " "	20 A	1			0	0			1	20 A	Ltg. fourth floor offices, room 4335	4
5	" " " Corridor	20 A	1					0	0	1	20 A	" " " offices	6
7	" " " Corridor	20 A	1	0	0					1	20 A	Ltg room 4335A	8
9						0				1	20 A	UNMARKED	10
11								0		1	20 A	UNMARKED	12
			Total Load:	0 kW		0 kW		0 kW					
			Total Amps:	0 A		0 A		0 A					

Legend:

ALL BREAKERS SHALL BE NEW UNLESS OTHERWISE NOTED
+ - BREAKER MADE AVAILABLE BY DEMOLITION
^ - EXISTING BREAKER
M - METER
ST - SHUNT TRIP

GFCI - GROUND FAULT CIRCUIT INTERUPT
AFCI - ARC FAULT CIRCUIT INTERUPT
AUX - AUXILIARY CONTACT

Branch Panel: 3681-1

NEW

Location: CLASSROOM 3681
Supply From:
Mounting: RECESSED
Enclosure: NEMA 3R
Manufacturer:
Model:

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

A.I.C. Rating:
Mains Type: BREAKER
Mains Rating: 225 A
Bus Material: COPPER

Notes:

CONTRACTOR TO CONFIRM THE FEEDS FROM "UNMARKED" BREAKERS IN DEMOLISHED ELECTRICAL PANELS. REFEED TO THIS PANEL IF NECESSARY. UNMARKED BREAKERS SHOWN ON THIS SCHEDULE FOR INFORMATION.

CCT	Circuit Description	Trip	Poles	A (kW)		B (kW)		C (kW)		Poles	Trip	Circuit Description	CCT
1	REC ROOM 3370A	15 A	1	0	0.1					2	15 A	WORKSTATION - 3681	2
3	UNMARKED	15 A	1			0	0.1			--	--	--	4
5	UNMARKED	15 A	1					0	0.1	2	15 A	WORKSTATION - 3681	6
7	UNMARKED	30 A	3	0	0.1					--	--	--	8
9	--	--	--			0	0.1			2	15 A	WORKSTATION - 3681	10
11	--	--	--					0	0.1	--	--	--	12
13	SPARE/UNMARKED	15 A	1	0	0.1					2	15 A	WORKSTATION - 3681	14
15	CORRIDOR RECEPTACLES	15 A	1			0.6	0.1			--	--	--	16
17	CORRIDOR RECEPTACLES	15 A	1					0.4	0.1	2	15 A	WORKSTATION - 3681	18
19	WATER FOUNTAIN	15 A	1	1	0.1					--	--	--	20
21	MOTORIZED PROJECTOR SCREEN	15 A	1			0.6	0.1			2	15 A	WORKSTATION - 3681	22
23	FIRE DAMPERS AND CONNECTIO...	15 A	1					1.2	0.1	--	--	--	24
25	FCU-1	25 A	1	1.9	0.1					2	15 A	WORKSTATION - 3681	26
27	FCU-1	25 A	1			1.9	0.1			--	--	--	28
29	RECEPTACLES - 3681	20 A	1					0.54	0.1	2	15 A	WORKSTATION - 3681	30
31	TV RECEPTACLE - 3681	15 A	1	0.18	0.1					--	--	--	32
33	RECEPTACLES - 3681	20 A	1			0.54	0.1			2	15 A	WORKSTATION - 3681	34
35	FLOORBOX - 3681	15 A	1					0.2	0.1	--	--	--	36
37	FLOORBOX - 3681	15 A	1	0.2	0.1					2	15 A	WORKSTATION - 3681	38
39	TV RECEPTACLE - 3681	15 A	1			0.18	0.1			--	--	--	40
41	PROJECTOR - 3681	15 A	1					0.18	0.1	2	15 A	WORKSTATION - 3681	42
43	DOOR OPERATOR - 3679/3681	15 A	1	0.01	0.1					--	--	--	44
45	PROJECTOR - 3681	15 A	1			0.18							46
47	RECEPTACLES - 3679	20 A	1					0.54					48
49	RECEPTACLES - 3679	20 A	1	0.72									50
51	PROJECTOR - 3679	15 A	1			0.18							52
53	CLOCK - 3679	15 A	1					0.05					54
55	FLOORBOX - 3679	15 A	1	0.2									56
57	LIGHTING - 3681/3679	15 A	1			1.09							58
59													60
			Total Load:	4.207 kW		5.009 kW		2.844 kW					
			Total Amps:	37 A		43 A		24 A					

Prefix Legend:

ALL BREAKERS SHALL BE NEW UNLESS OTHERWISE NOTED
+ - BREAKER MADE AVAILABLE BY DEMOLITION
^ - EXISTING BREAKER
M - METER
ST - SHUNT TRIP

GFCI - GROUND FAULT CIRCUIT INTERUPT
AFCI - ARC FAULT CIRCUIT INTERUPT
AUX - AUXILIARY CONTACT

Branch Panel: 4335A-1

NEW/EXISTING

Location: STUDY LOUNGE 4335
Supply From:
Mounting: RECESSED
Enclosure: NEMA 3R
Manufacturer:
Model:

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

A.I.C. Rating:
Mains Type: BREAKER
Mains Rating: 100 A
MCB Rating: 100 A
Bus Material: COPPER

Notes:

CCT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CCT
1	FC-9A	15 A	1	1	0.2					1	15 A	FLOORBOX - 4333	2
3	FCU-3	15 A	1			0.81	0.05			1	15 A	CLOCK - 4333	4
5	FCU-3	15 A	1					0.81	0.2	1	15 A	PROJECTOR SCREEN - 4333	6
7	FCU-3	15 A	1	0.81									8
9	FCU-3	15 A	1			0.81							10
11	CONNECTION FOR CONTROL...	15 A	1					0.2					12
13	RECEPTACLES - 4335	20 A	1	0.72									14
15	RECEPTACLES - 4335A/B/C	20 A	1			0.9							16
17	CLOCK - 4335	15 A	1					0.05					18
19	RECEPTACLES - 4333	20 A	1	0.72									20
21	RECEPTACLES - 4333	20 A	1			0.72							22
23	RECEPTACLES - 4335	20 A	1					0.72					24
25	RECEPTACLES - 4333	20 A	1	0.54									26
27	RECEPTACLES - 4333	20 A	1			0.54							28
29	RECEPTACLES - 4333	20 A	1					0.54					30
31	RECEPTACLES - 4333	20 A	1	0.54									32
33	PROJECTOR - 4333	20 A	1			0.18	0			1	15 A	UNMARKED	34
35	UNMARKED	15 A	1					0	0	1	15 A	UNMARKED	36
37	UNMARKED	15 A	1	0	0					1	15 A	UNMARKED	38
39	UNMARKED	15 A	1			0	0			1	15 A	UNMARKED	40
41	UNMARKED	15 A	1					0	0	1	15 A	UNMARKED	42
			Total Load:	3.223 kW		2.875 kW		1.782 kW					
			Total Amps:	28 A		25 A		15 A					

Legend:

ALL BREAKERS SHALL BE NEW UNLESS OTHERWISE NOTED
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^ - EXISTING BREAKER
M - METER
ST - SHUNT TRIP

GFCI - GROUND FAULT CIRCUIT INTERUPT
AFCI - ARC FAULT CIRCUIT INTERUPT
AUX - AUXILIARY CONTACT

Branch Panel: 3681-2

NEW

Location: CLASSROOM 3681
Supply From:
Mounting: RECESSED
Enclosure: NEMA 3R
Manufacturer:
Model:

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

A.I.C. Rating:
Mains Type: BREAKER
Mains Rating: 225 A
Bus Material: COPPER

Notes:

CCT	Circuit Description	Trip	Poles	A (kW)		B (kW)		C (kW)		Poles	Trip	Circuit Description	CCT
1													2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	0 kW		0 kW		0 kW					
			Total Amps:	0 A		0 A		0 A					

Prefix Legend:

ALL BREAKERS SHALL BE NEW UNLESS OTHERWISE NOTED
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^ - EXISTING BREAKER
M - METER
ST - SHUNT TRIP

GFCI - GROUND FAULT CIRCUIT INTERUPT
AFCI - ARC FAULT CIRCUIT INTERUPT
AUX - AUXILIARY CONTACT

Branch Panel: 4316A-1

NEW/EXISTING

Location: CORRIDOR -
Supply From:
Mounting: RECESSED
Enclosure: NEMA 3R
Manufacturer:
Model:

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

A.I.C. Rating:
Mains Type: BREAKER
Mains Rating: 100 A
MCB Rating: 100 A
Bus Material: COPPER

Notes:

CCT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CCT
1	Rec.rms. 4301A+B+C	15 A	1	0	0					1	15 A	Rec.rm 4301/4301B/4301C	2
3	Rec.rms 4367 & 4368	15 A	1			0	0.1			2	15 A	60"WX26"H STARTER BEAM	4
5	Fridge Rec Rm #4362	15 A	1					0	0.1	--	--	--	6
7	SPARE	15 A	1	0	1.08					1	15 A	RECEPTACLES - 4310, 4328	8
9	FCU-2	15 A	1			0.77	0			1	15 A	Rec 4301	10
11	Rec Rm 4368	20 A	1					0	0	1	15 A	Rec. rms. 4303,05,07	12
13	FIRE DAMPERS	15 A	1	0.4	0					1	15 A	4307,09	14
15	RECEPTACLES - 4322,4320	20 A	1			1.08	0			1	15 A	4311,13,15	16
17								0		1	15 A	4315,17,19	18
19					0					1	15 A	4319,21,23	20
21						0				3	100 A	Sub Panel	22
23	RECEPTACLES - 4326, 4324	15 A	1					1.08	0	--	--	--	24
25	4302,4304	15 A	1	0	0					--	--	--	26
27	Baseboard Heater	15 A	1			0	0			1	20 A	Kitchen Exhaust Hood	28
29	Rm - 4302	15 A	1					0	0	1	15 A	Rec rm 4301D	30
31	4301D	15 A	1	0	0					1	15 A	4301D	32
33	DOOR OP rm 4301	15 A	1			0	0			1	20 A	Printer Rm 4301C	34
35	Rec.rm 4301D	15 A	1					0	0	1	20 A	Unmarked	36
37	Rec.rm 4301E	15 A	1	0	0					1	20 A	Unmarked	38
39	60"WX26"H STARTER BEAM	15 A	2			0.1	1.26			1	15 A	RECEPTACLES - 4310,4312,4320	40
41	--	--	--					0.1	0	1	20 A	Rec Rm 4301D	42
			Total Load:	1.152 kW		2.532 kW		1.098 kW					
			Total Amps:	10 A		21 A		9 A					

Legend:

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M - METER
ST - SHUNT TRIP

GFCI - GROUND FAULT CIRCUIT INTERUPT
AFCI - ARC FAULT CIRCUIT INTERUPT
AUX - AUXILIARY CONTACT

CLIENT LOGO

UNIVERSITY OF WATERLOO

KEYPLAN

No.	ISSUANCE	DATE
1	ISSUED FOR REVIEW	2026-06-17
2	ISSUED FOR CLASS B ESTIMATE AND PERMIT	2026-07-17
3	ISSUED FOR 90% CD	2026-09-29
4	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

200 University Ave W, Waterloo, ON N2L 3G1

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 University Ave W, Waterloo, ON N2L 3G1

TITLE

ELECTRICAL SCHEDULES

WALTERFEDY

TORONTO | CALGARY | EDMONTON | **KITCHENER** | HAMILTON

800.685.1378 **walterfedy.com**

SEAL

LICENCED PROFESSIONAL ENGINEER
T. W. DIETRICH
100109459
2026-11-06
PROVINCE OF ONTARIO
2024-0711-10

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SCALE :	AS NOTED
DATE :	2026-11-05
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E902

Branch Panel: 4316A-2

NEW/EXISTING

Location: CORRIDOR -
Supply From:
Mounting: RECESSED
Enclosure: NEMA 3R
Manufacturer:
Model:

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

A.I.C. Rating:
Mains Type: BREAKER
Mains Rating: 100 A
MCB Rating: 100 A
Bus Material: COPPER

Notes:

CCT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CCT
1	Rec.rm 4354,56,58	15 A	1	0									2
3	4350,52,54	15 A	1			0							4
5	4346,48,50	15 A	1					0					6
7	4342,44,46	15 A	1	0									8
9	RECEPTACLES - 4330A/B/C, 4332	20 A	1			0.9							10
11	Duplex Rec Rm 4327	15 A	1					0					12
13	RECEPTACLES - 4330,4334	20 A	1	0.72									14
15	RECEPTACLES - 4330	20 A	1			0.54							16
17	RECEPTACLES - 4330	15 A	1					0.54					18
19	RECEPTACLES - 4330	20 A	1	0.36	0					1	15 A	Lights rm 4341	20
21	Lite track rm 3381	20 A	2			0	0			1	15 A	Lts rm 4338,39,4340B	22
23	--	--	--					0	0	1	15 A	Rec rms 4339,40B,41	24
25	EF-3 roof above rm 3381	15 A	1	0	0					1	15 A	4341	26
27	EF-3	15 A	1			0	0			1	15 A	Rm 4341 Rec. Rm	28
29	Recpt. upper 3381	15 A	1					0	0	1	15 A	Rec Rm 4341	30
31	RECEPTACLES - 4330	20 A	1	0.54									32
33	RECEPTACLES - 4330	20 A	1			0.54	0			1	20 A	20 Amp Rec Rm 4341	34
35	RECEPTACLES - 4330	20 A	1					0.54	0	1	15 A	Rec Rm 4341	36
37	RECEPTACLES - 4330	20 A	1	0.54	0					3	100 A	PNL - 4335A-1	38
39	DESK POWER - 4330	20 A	2			0.1	0			--	--	--	40
41	--	--	--					0.1	0	--	--	--	42
			Total Load:	2.16 kW		1.983 kW		1.085 kW					
			Total Amps:	19 A		18 A		9 A					

Legend:

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ST - SHUNT TRIP

GFCI - GROUND FAULT CIRCUIT INTERUPT
AFCI - ARC FAULT CIRCUIT INTERUPT
AUX - AUXILIARY CONTACT

Branch Panel: 4339-2

NEW/EXISTING

Location:
Supply From:
Mounting: SURFACE
Enclosure: NEMA 3R
Manufacturer:
Model:

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

A.I.C. Rating:
Mains Type: BREAKER
Mains Rating: 100 A
Bus Material: COPPER

Notes:

CCT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CCT
1	LIGHTING	15 A	1	0.44	0.64					1	15 A	LIGHTING	2
3	LIGHTING	15 A	1			0.65	0.61			1	15 A	Lighting	4
5	LIGHTING	15 A	1					0.55					6
7	LIGHTING	15 A	1	0.63									8
9	LIGHTING	15 A	1			0.37							10
11	LIGHTING	15 A	1					0.45					12
			Total Load:	1.711 kW		1.628 kW		1.003 kW					
			Total Amps:	15 A		14 A		8 A					

Prefix Legend:

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SCALE :	AS NOTED
DATE :	2026-11-05
PROJECT NO :	2024-0711-10
DRAWN BY :	S. Makay
CHECKED BY :	K. Shi

SHEET NO :

E903

HVAC LEGEND

	SUPPLY OR OUTDOOR AIR DUCTWORK
	RETURN OR EXHAUST AIR DUCTWORK
	LOW VELOCITY ACOUSTIC INSULATION
	TURNING VANES
	FLEXIBLE DUCT
	EXISTING EQUIPMENT/DUCTWORK TO REMAIN
	EQUIPMENT/DUCTWORK
	EXISTING TO BE REMOVED
F.O.	FLAT OVAL DUCTWORK
S/A	SUPPLY AIR DUCTWORK
R/A	RETURN AIR DUCTWORK
O/A	OUTDOOR AIR DUCTWORK
E/A	EXHAUST AIR DUCTWORK
	MANUAL BALANCING DAMPER
BDD	BACK DRAFT DAMPER
	BLAST GATE DAMPER
M	MOTORIZED DAMPER
VCD	OPPOSED BLADE VOLUME CONTROL DAMPER
F/D	FIRE DAMPER
SD	SMOKE DAMPER
FSD	FIRE/SMOKE DAMPER
TAG: AIRFLOW / D.C. SIZE	GRILLE, REGISTER, OR DIFFUSER TYPE TAG, AIR FLOW, AND DUCT CONNECTION SIZE
	SUPPLY AIR GRILLE OR DIFFUSER
	RETURN OR EXHAUST AIR GRILLE
UP	OFFSET DUCTWORK UP
DN	OFFSET DUCTWORK DOWN
DG	DOOR GRILLE
UC	UNDERCUT
TD	TRANSFER DUCT
AD	ACCESS DOOR
(E)	EXISTING
	CONNECT TO EXISTING

PLUMBING LEGEND

	EXISTING COLD WATER TO REMAIN
	COLD WATER
	EXISTING HOT WATER TO REMAIN
	HOT WATER
	EXISTING HOT WATER RECIRC. TO REMAIN
	HOT WATER RECIRC.
ST	EXISTING STORM IN CEILING TO REMAIN
ST	STORM IN CEILING
D	EXISTING DRAIN PIPING TO REMAIN
D	DRAIN PIPING
	EXISTING TO BE REMOVED
S	SINK
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
HD	HUB DRAIN
RD	ROOF DRAIN
RWL	RAIN WATER LEADER
CO	CLEAN OUT
FHC	FIRE HOSE CABINET
FEC	FIRE EXTINGUISHER c/w CABINET
FE	FIRE EXTINGUISHER
	SHUT-OFF VALVE
	INLINE PUMP
CO	FLOOR CLEAN OUTS
CO	CEILING CLEAN OUT
	RUNNING TRAP
	CAP
	PIPING UP
	PIPING DOWN
FD	FLOOR DRAIN
	FLOW ARROW
(E)	EXISTING
	CONNECT TO EXISTING

PIPING LEGEND

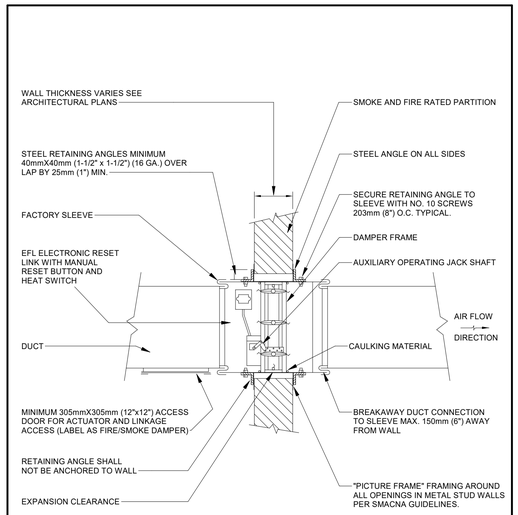
HWS	EXISTING HEATING WATER SUPPLY TO REMAIN
HWS	HEATING WATER SUPPLY
HWR	EXISTING HEATING WATER RETURN TO REMAIN
HWR	HEATING WATER RETURN
CWS	EXISTING CHILLED WATER SUPPLY TO REMAIN
CWS	CHILLED WATER SUPPLY
CWR	EXISTING CHILLED WATER RETURN TO REMAIN
CWR	CHILLED WATER RETURN
	EXISTING THERMOSTAT CONTROL WIRING TO REMAIN
	THERMOSTAT CONTROL WIRING
	EXISTING TO BE REMOVED
	REHEAT COIL
	RADIANT PANEL
	SHUT-OFF VALVE
	STRAINER
	UNION
M	MOTOR
M	METER
	INLINE PUMP
	CAP
	PIPING UP
	PIPING DOWN
FD	FLOOR DRAIN
	FLOW ARROW
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	UNION
(E)	EXISTING
	CONNECT TO EXISTING

CONTROL LEGEND

T	THERMOSTAT
H	HUMIDISTAT
T	TEMPERATURE SENSOR
P	PRESSURE SENSOR
P	PRESSURE GAUGE
	TEMPERATURE GAUGE
	FLOW SWITCH
M	MOTOR
	AUTOMATIC CONTROL VALVE (ACV)
	CONNECT TO EXISTING

VALVE LEGEND

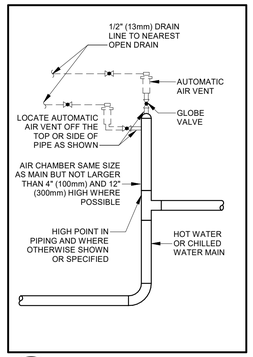
	GATE VALVE
	BALANCING VALVE
	CHECK VALVE
	ELECTRIC 2-WAY VALVE
	AUTOMATIC AIR VENT
	THERMOSTATIC MIXING VALVE
	CONNECT TO EXISTING



NOTES:

1. DAMPERS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION REQUIREMENTS.
2. DAMPERS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE U.L. REQUIREMENTS.
3. ALL FIRE/SMOKE DAMPERS AND THEIR RESPECTIVE DAMPER OPERATOR MECHANISMS SHALL BE U.L. LABELED AND TESTED AS AN ASSEMBLY WITH THE DAMPER OPERATOR MECHANISM FASTENED TO THE DAMPER SLEEVE MEETING THE REQUIREMENTS.
4. VERTICAL DAMPER SHOWN - HORIZONTAL INSTALLATION SIMILAR.
5. SMOKE DAMPER INSTALLATION SIMILAR BUT WITHOUT RESETTABLE LINK DEVICE.
6. DAMPER OPERATOR SHALL BE INTERLOCKED WITH ASSOCIATED FAN, UNLESS NOTED OTHERWISE.
7. WALL OPENING TO BE DUCT DIMENSIONS PLUS 3mm PER 0.3048 Metre (1/8" PER FOOT).
8. GENERAL CONTRACTOR TO COORDINATE CEILING ACCESS DOORS AS REQUIRED TO ACCESS AND MAINTAIN DAMPER.
9. SMOKE DETECTOR BY DIV. 26.

1 / M001 (23-HVAC) COMBINATION FIRE SMOKE DAMPER
N.T.S.



2 / M001 AUTOMATIC AIR VENT
N.T.S.

GENERAL DEMOLITION NOTES

A DRAWINGS ARE GENERALLY DIAGRAMATIC. CONTRACTOR IS RESPONSIBLE FOR LAYING OUT MATERIAL IN CONJUNCTION WITH THE INTENT OF THESE DRAWINGS.

B DRAWINGS ARE TO BE INTERPRETED IN CONJUNCTION WITH ALL OTHER DISCIPLINE DRAWINGS AND SPECIFICATIONS.

C SYSTEMS CONNECT TO EXISTING SERVICES. ALLOW FOR ADDITIONAL FITTINGS AND OFFSETS AS REQUIRED IN ORDER TO CONNECT TO EXISTING. ALSO, ALLOW FOR ADDITIONAL LABOUR AND MATERIAL IN ORDER TO ADJUST DESIGNS TO AVOID INTERFERENCE WITH EXISTING SERVICES.

D TEMPORARY MEASURES SHALL BE DONE IN ORDER TO MAINTAIN SERVICES TO ALL OCCUPIED PORTIONS OF THE BUILDING DURING CONSTRUCTION. COORDINATE WITH THE OWNER FOR ANY REQUIRED SHUT-DOWNS, WHICH SHALL BE AFTER-HOURS OR WEEKENDS. PROVIDE TEMPORARY MATERIALS TO ALLOW FOR SWITCH-OVERS OR SHUT-DOWNS; TEMPORARY SERVCES MATERIAL AND INSTALLATION SHALL MEET THE SPECIFICATIONS UNLESS SPECIFICALLY APPROVED BY THE CONSTULTANT.

E CONTRACTOR IS TO REVIEW EXISTING EQUIPMENT CONNECTIONS AND LAYOUT BEFORE DEMOLITION. ANY EQUIPMENT TO BE RE-INSTALLED SHALL BE INSTALLED PER MANUFACTURERS WRITTEN INSTRUCTIONS AND APPLICABLE CODES.

F CONTRACTOR TO ASSESS CONDITION OF EXISTING DUCTWORK PRIOR TO CONNECTIONS/MODIFICATIONS FOR SUITABILITY OF RE-USE. ANY DAMAGES TO DUCTWORK TO BE REPORTED TO CONSULTANT/ARCHITECT.

G PRIOR TO CONSTRUCTION/DEMOLITION, COMPLETE PRELIMINARY AIR TESTING TO ESTABLISH BASELINE AIRFLOW TO ZONE AND PROVIDE REPORT TO CONSULTANT FOR REVIEW.

H ALLOW FOR REMOVAL OF EXISTING FIRESPRAY WHERE REQUIRED TO FACILITATE INSTALLATION OF PROPOSED EQUIPMENT. REFER TO DSS REPORT FOR PRESENCE OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS.

GENERAL NOTES

A DRAWINGS ARE GENERALLY DIAGRAMATIC. CONTRACTOR IS RESPONSIBLE FOR LAYING OUT MATERIAL IN CONJUNCTION WITH THE INTENT OF THESE DRAWINGS.

B DRAWINGS ARE TO BE INTERPRETED IN CONJUNCTION WITH ALL OTHER DISCIPLINE DRAWINGS AND SPECIFICATIONS.

C TEMPORARY MEASURES SHALL BE DONE IN ORDER TO MAINTAIN SERVICES TO ALL OCCUPIED PORTIONS OF THE BUILDING DURING CONSTRUCTION. COORDINATE WITH THE OWNER FOR ANY REQUIRED SHUT-DOWNS, WHICH SHALL BE AFTER-HOURS OR WEEKENDS. PROVIDE TEMPORARY MATERIALS TO ALLOW FOR SWITCH-OVERS OR SHUT-DOWNS; TEMPORARY SERVCES MATERIAL AND INSTALLATION SHALL MEET THE SPECIFICATIONS UNLESS SPECIFICALLY APPROVED BY THE CONSTULTANT.

D CONTRACTOR IS TO REVIEW EXISTING EQUIPMENT CONNECTIONS AND LAYOUT BEFORE DEMOLITION. ANY EQUIPMENT TO BE RE-INSTALLED SHALL BE INSTALLED PER MANUFACTURERS WRITTEN INSTRUCTIONS AND APPLICABLE CODES.

E RELOCATE OR REROUTE EXISTING MECHANICAL EQUIPMENT AS REQUIRED TO ACCOMMODATE THE SCOPE OF NEW WORK.

F REMOVE AND REINSTALL EXISTING CEILINGS AS REQUIRED TO COMPLETE DEMOLITION AND NEW INSTALLATIONS.

G COORDINATE LOCATION OF ACCESS DOORS IN GWB CEILINGS WITH OTHER TRADES. PROVIDE REFLECTED CEILING PLAN INDICATING LOCATIONS OF ALL ACCESS DOORS FOR APPROVAL PRIOR TO FINAL INSTALLATION.

H RUN PIPING AND DUCTWORK IN CEILING SPACE UNLESS OTHERWISE NOTED.

I SYSTEMS CONNECT TO EXISTING SERVICES. ALLOW FOR ADDITIONAL FITTINGS AND OFFSETS AS REQUIRED IN ORDER TO CONNECT TO EXISTING. ALSO, ALLOW FOR ADDITIONAL LABOUR AND MATERIAL IN ORDER TO ADJUST DESIGNS TO AVOID INTERFERENCE WITH EXISTING SERVICES.

J CONTRACTOR TO CARRY COST FOR HOT TAPPING OR LINE STOPPING OF SYSTEMS THAT REQUIRE TIE-IN CONNECTIONS WITH THE ASSUMPTION OF EXISTING ISOLATION VALVES NOT HOLDING OR NON EXISTANT.

K ALL PIPING TO RADIANT CEILING PANELS, REHEAT COILS, CABINET HEATERS AND UNIT HEATERS TO BE 19mm (3/4") EXCEPT WHERE NOTED OTHERWISE.

L RUN DUCTWORK BETWEEN AND THROUGH STEEL TRUSSES AS REQUIRED TO MAINTAIN CEILING HEIGHTS.

M WHERE DUCTWORK MODIFICATIONS ARE REQUIRED AND IMPACT EXISTING SYSTEMS, SYSTEMS ARE TO BE RE-BALANCED AS NOTED. WHERE AND IF REQUIRED DRIVES AND SHEAVES ARE TO BE REPLACED AS REQUIRED BY THE BALANCING CONTRACTOR.

N DUCT ELBOWS TO BE FULL RADIUS OR WITH TURNING VANES. REFER TO SPECIFICATIONS.

O DUCT TO DIFFUSER SHALL MATCH DIFFUSER NECK SIZE, UNLESS NOTED OTHERWISE.

P ALL DUCTED RETURN GRILLES TO BE COMPLETE WITH SAME SIZED FLAT BLACK PAINTED PLENUM BOX, WITH HEIGHT TO SUIT SIDE OUTLET CONNECTION SIZE WHERE APPLICABLE OR MIN. 6" (150mm) HEIGHT FOR TOP INLET.

Q FIRE DAMPERS AND OR FIRE SMOKE DAMPERS ARE REQUIRED TO BE INSTALLED ON NEW AND EXISTING DUCTS PASSING THROUGH RATED WALLS, CEILING AND FLOORS.

R CONTRACTOR TO ASSESS CONDITION OF EXISTING DUCTWORK PRIOR TO CONNECTIONS/MODIFICATIONS FOR SUITABILITY OF RE-USE. ANY DAMAGES TO DUCTWORK TO BE REPORTED TO CONSULTANT/ARCHITECT.

S ALL MATERIALS WITHIN RETURN AIR PLENUMS SHALL HAVE A FLAME-SPREAD RATING NOT MORE THAN 25 AND A SMOKE DEVELOPED CLASSIFICATION NOT MORE THAN 50.

T FOR FLEXIBLE DUCTWORK TO CEILING MOUNTED DIFFUSER. REFER TO TYPICAL DIFFUSER DUCTING DETAIL.

U PRIOR TO CONSTRUCTION/DEMOLITION, COMPLETE PRELIMINARY AIR TESTING TO ESTABLISH BASELINE AIRFLOW TO ZONE AND PROVIDE REPORT TO CONSULTANT FOR REVIEW.

V FOR DUST CONTROL, CAP EXISTING DUCTS IN THE CONSTRUCTION AREA. CONNECTION TO EXISTING AIR DUCTS TO BE DONE AFTER COMPLETION OF ALL DUST PRODUCING TASKS.

W SLEEVE AND SEAL ALL PIPES AND DUCTS PASSNG THROUGH WALLS.

X WORK REQUIRING SHUTDOWNS AND/OR DRAIN DOWNS TO BASE BUILDING SYSTEMS SHALL BE PERFORMED AFTER HOURS IN COORDINATION WITH BUILDING FACILITIES.

Y FLAT OVAL FITTINGS:
1.DUCT ELBOWS TO BE 5 GORE, EASY BEND OR MITRED EASY BEND WITH VANES.
2.DUCT TEES TO BE CONICAL BODY BRANCH & WYE CONICAL BODY BRANCH.

DRAWING LIST

MECHANICAL

M001	LEGEND, DETAILS AND DRAWING LIST
M110	MECHANICAL PLAN - 120 PERSON CLASSROOM
M111	HYDRONIC PLAN - 120 PERSON CLASSROOM
M120	MECHANICAL PLAN - 4TH YEAR DESIGN STUDIO
M130	MECHANICAL PLAN - FACULTY & STUDENT LOUNGE (4TH FLOOR)
M140	MECHANICAL PLAN - PHD OPEN OFFICE & MEETING ROOMS
M150	MECHANICAL PLAN - MID SIZE CLASSROOM & STUDY SPACE
M801	MECHANICAL DETAILS
M901	SCHEDULES

CLIENT LOGO

UNIVERSITY OF WATERLOO

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4	ISSUED FOR 90% CD	2026.09.29
5	ISSUED FOR TENDER	2026.11.05

CLIENT
UNIVERSITY OF WATERLOO

PROJECT
CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH
200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE
LEGEND, DETAILS AND DRAWING LIST

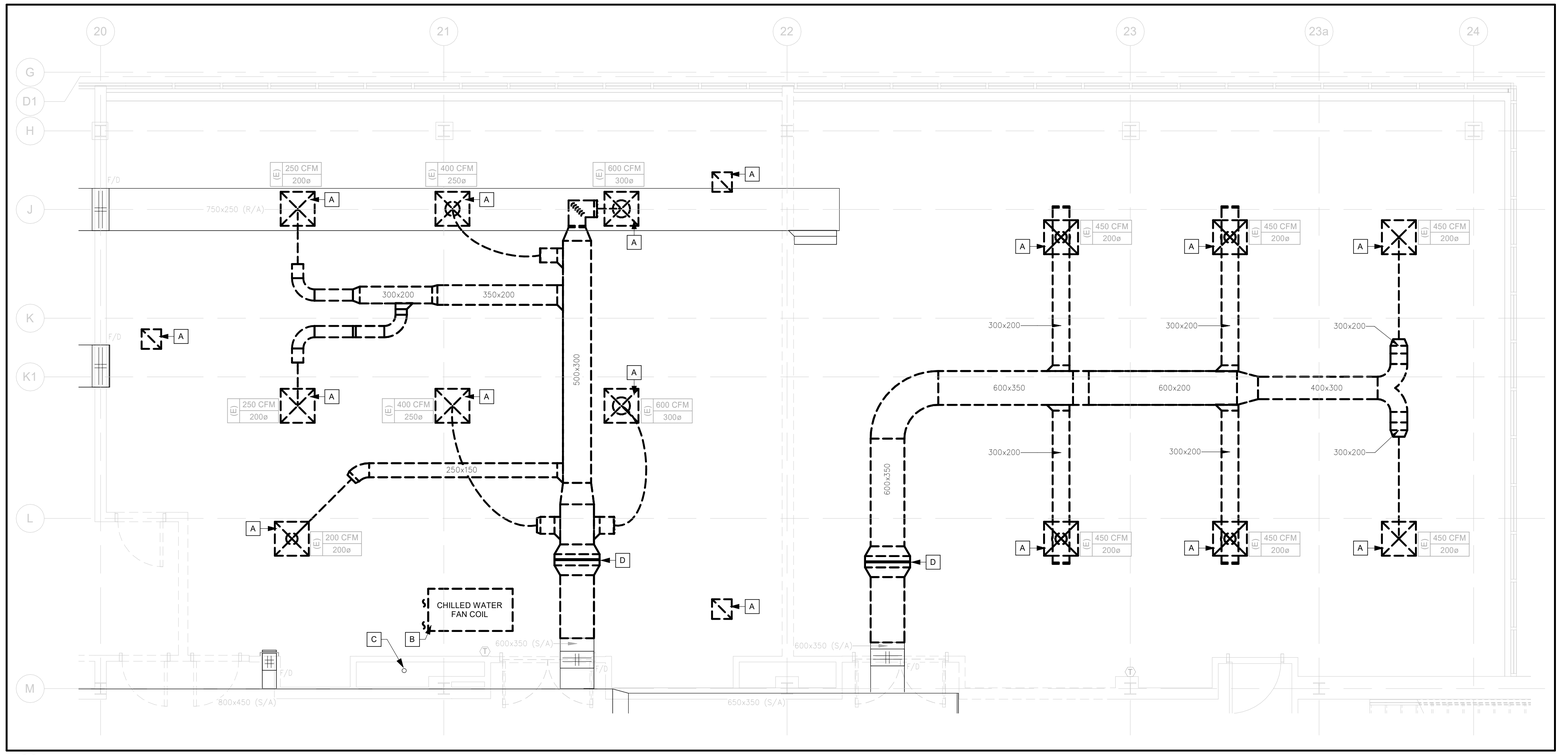
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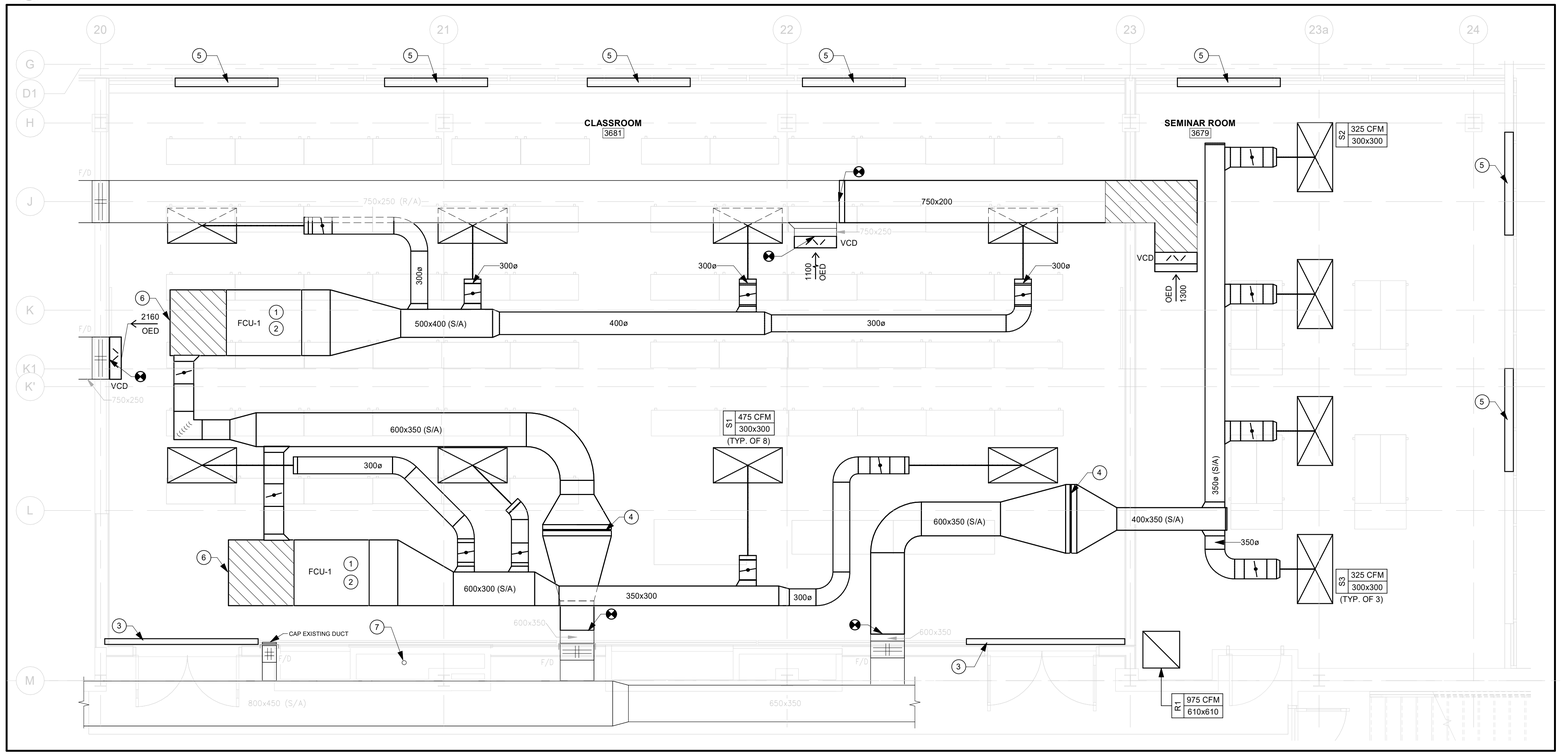
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SHEET NO :
M001



1 M110 THIRD FLOOR PLAN - 120 PERSON CLASSROOM - DEMOLITION

Scale: 1 : 50



2 M110 THIRD FLOOR PLAN - 120 PERSON CLASSROOM

Scale: 1 : 50

DEMOLITION NOTES

A DEMOLISH DIFFUSERS AND DUCTWORK WHERE INDICATED (TYP.)

B DEMOLISH CHILLED WATER FAN COIL WHERE INDICATED. ALLOW FOR REMOVAL OF EXISTING FIRESPRAY WHERE REQUIRED TO FACILITATE INSTALLATION OF PROPOSED EQUIPMENT.

C EXISTING CONDENSATE DRAIN WITHIN CHASE TO REMAIN.

D DEMOLISH EXISTING REHEAT COIL. ALLOW FOR EXTENSION OF HYDRONIC PIPING TO NEW LOCATION. REUSE EXISTING SUPPORT WHERE POSSIBLE AND ALLOW FOR EXTENSIONS WITH UNISTRUT. REFER TO DSS REPORT.

DRAWING NOTES

1 CONCEALED DUCTED FAN COIL. PROVIDE ACOUSTICALLY LINED INLET AS SHOWN OPEN TO CEILING RETURN PLENUM C/W DUCTED CONNECTION FROM EXISTING AHU. ALLOW FOR CONDENSATE PUMP AS REQUIRED AND PROVIDE INDIRECT DRAIN CONNECTION TO NEAREST EXISTING DRAIN WITHIN CHASE.

2 PROVIDE CHILLED WATER CONNECTIONS C/W NEW CONTROL VALVES FROM LEVEL 3 MECHANICAL ROOM. REFER TO M111

3 REVEAL ABOVE ACT CEILING. MINIMUM FREE AREA 0.35SQM. TYP OF 2. REFER TO ARCH.

4 NEW MULTI-ROW REHEAT COIL SELECTED FOR FUTURE CONVERSION TO LOW SUPPLY WATER TEMPERATURE (50dC). PROVIDE NEW DDC CONTROL VALVE AND THERMOSTAT. COORDINATE FINAL LOCATION WITH EXISTING CEILING SERVICES AND STRUCTURE AND ALLOW FOR LOCAL RELOCATION OF EXISTING SERVICES CONCEALED WITHIN CEILING TO ACCOMMODATE INCREASED SIZE OF NEW REHEAT COILS. ALL REVISIONS INCLUDING PIPING AND DUCTWORK SHALL BE AS SPECIFIED FOR NEW WORK.

5 EXISTING PERIMETER HEAT TO REMAIN. REPLACE CONTROL VALVE AND THERMOSTAT WITH NEW DDC. PROVIDE NEW BACNET CONTROLLER AND ALLOW FOR CABLING BACK TO NEAREST IT CLOSET. COORDINATE WITH OWNER'S IT GROUP FOR NEW IP DROPS AS REQUIRED.

6 OPEN TO RETURN AIR PLENUM

7 EXISTING SANITARY DRAIN. PROVIDE NEW INDIRECT DRAIN WITHIN CHASE AND TERMINATE CONDENSATE DRAINAGE.

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UNIVERSITY OF WATERLOO

KEY PLAN:



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CLIENT

UNIVERSITY OF WATERLOO

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

MECHANICAL PLAN - 120 PERSON CLASSROOM

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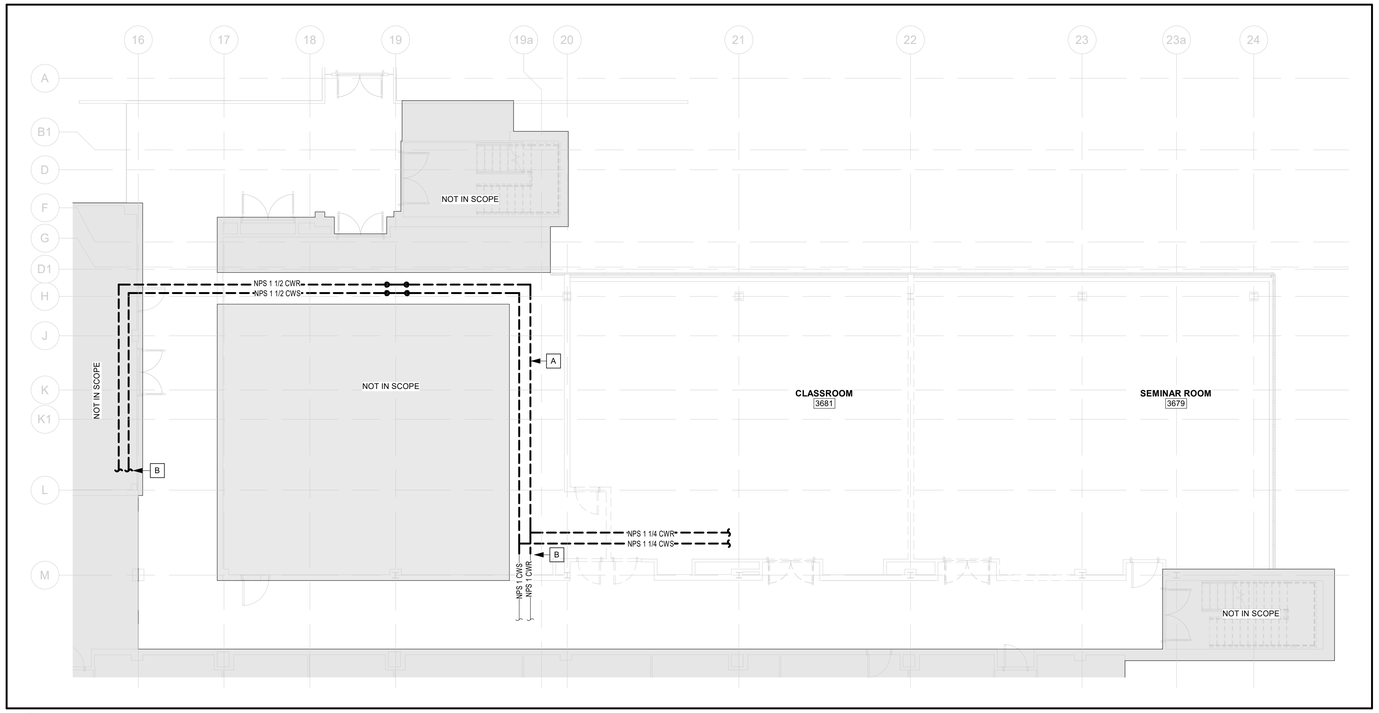
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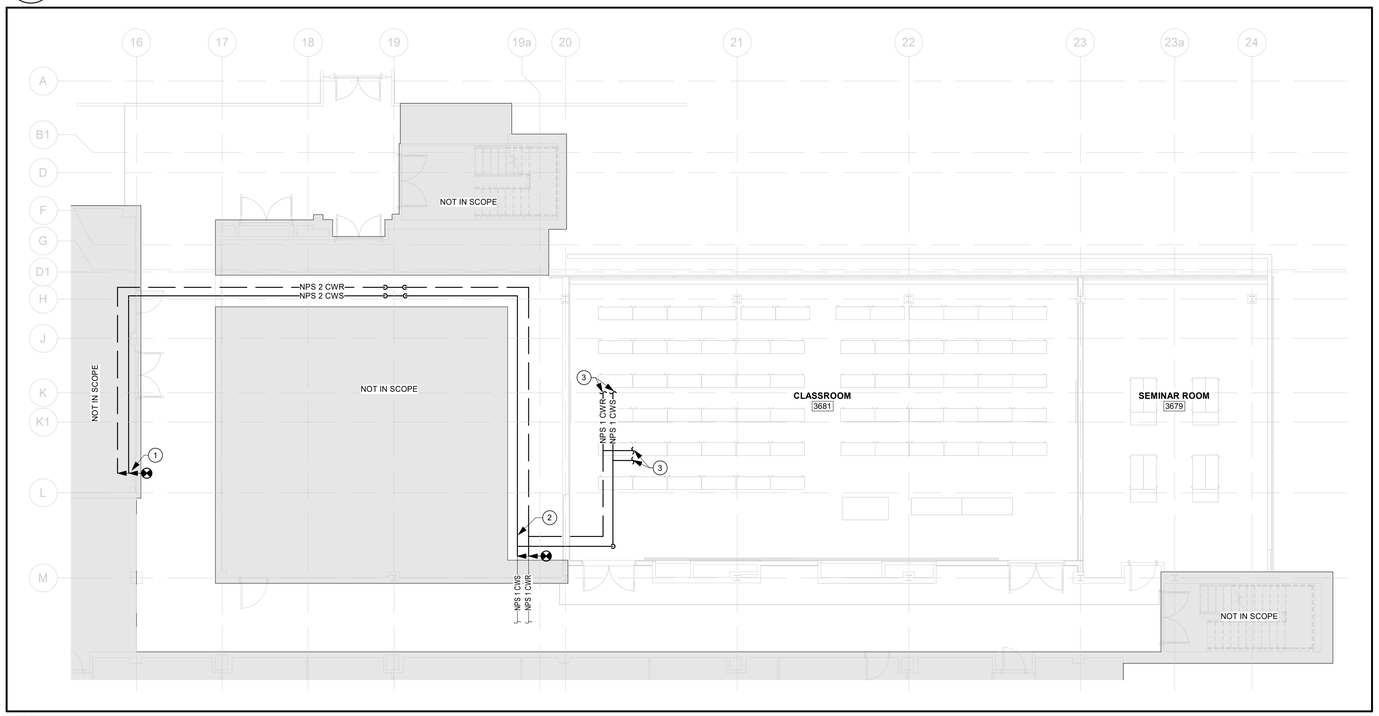
SHEET NO :

M110



1 M111 ENLARGED DEMOLITION THIRD FLOOR PLAN - 120 PERSON CLASSROOM

Scale: 1 : 100



2 M111 ENLARGED THIRD FLOOR PLAN - 120 PERSON CLASSROOM

Scale: 1 : 100

DEMOLITION NOTES

A DEMOLISH HYDRONIC PIPING. ALLOW FOR PIPE FREEZING AS REQUIRED.

B EXISTING CHILLED WATER DISTRIBUTION TO REMAIN.

DRAWING NOTES

1 CONNECT CWS/CWR TO EXISTING CHILLED WATER DISTRIBUTION IN MECHANICAL ROOM.

2 PROVIDE SUPPORT FROM EXISTING STRUCTURE. REFER TO DSS REPORT FOR PRESENCE OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS. ALLOW FOR REMOVAL OF EXISTING FIRESPRAY WHERE REQUIRED TO FACILITATE INSTALLATION OF PROPOSED EQUIPMENT (TYP.)

3 CONNECT TO NEW CHILLED WATER FAN COIL. REFER TO M110

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UNIVERSITY OF WATERLOO

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

HYDRONIC PLAN - 120 PERSON CLASSROOM

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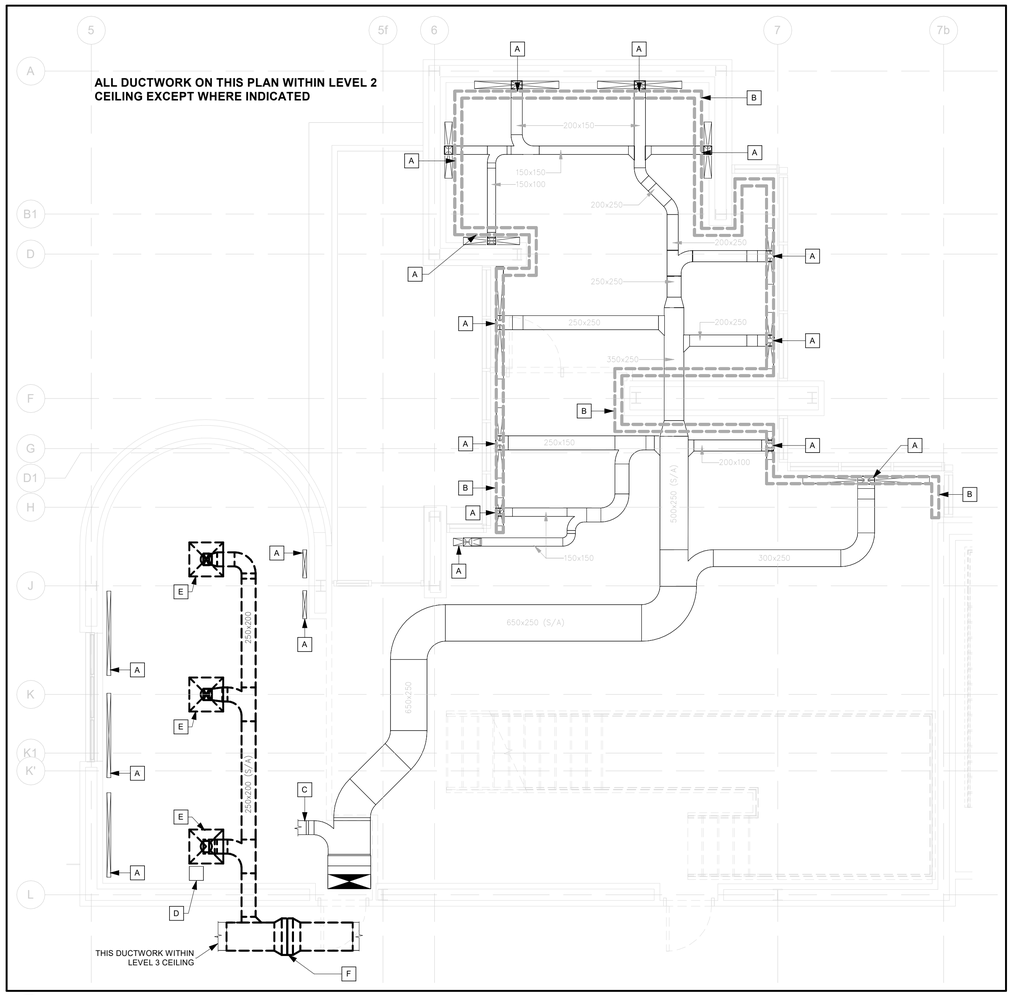
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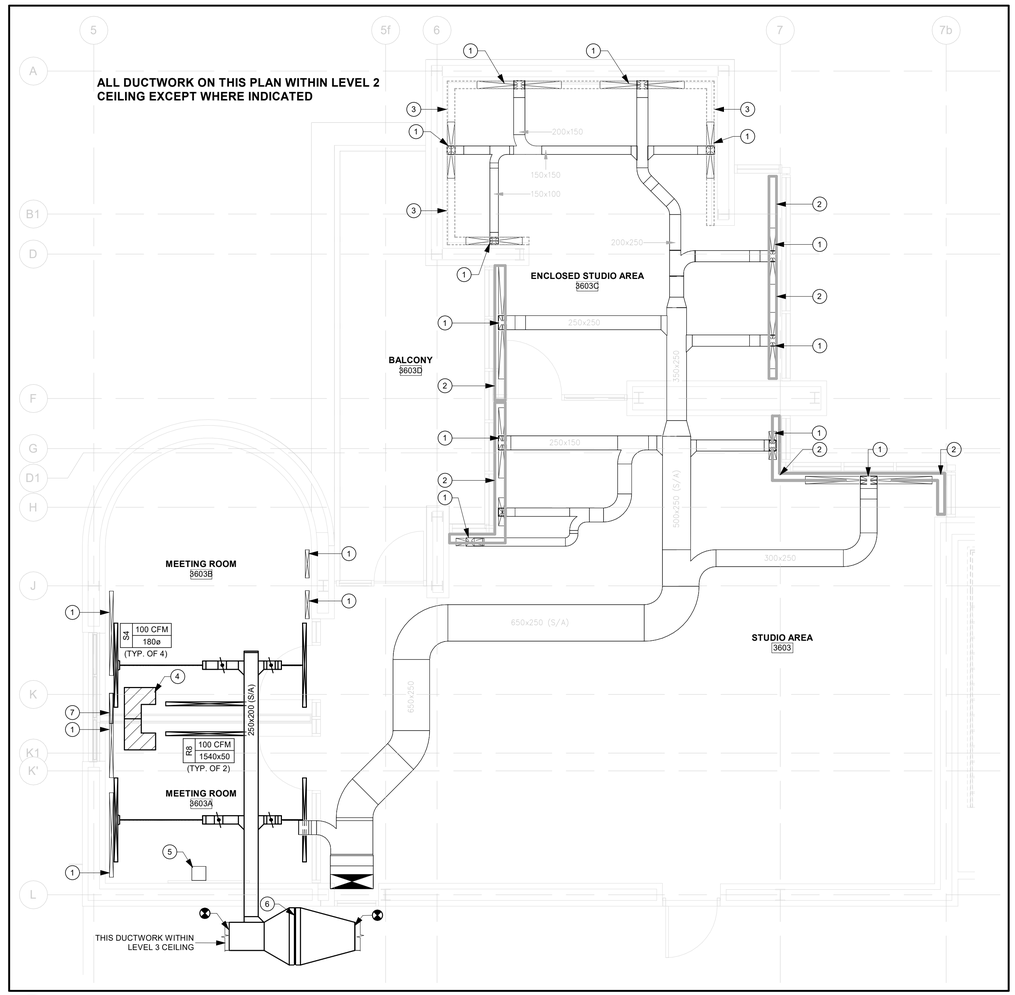
SHEET NO :

M111



1 M120 THIRD FLOOR PLAN - 4TH YEAR DESIGN STUDIO - DEMOLITION

Scale: 1 : 50



2 M120 THIRD FLOOR PLAN - 4TH YEAR DESIGN STUDIO

Scale: 1 : 50

DEMOLITION NOTES

A EXISTING FLOOR SLOT DIFFUSER TO REMAIN. COVER DURING CONSTRUCTION TO PROTECT FROM DAMAGE AND DUST.

B DEMOLISH PEDESTAL RADIATORS WHERE INDICATED (TYP.). CAP PIPING CONNECTIONS. ALLOW FOR PIPE FREEZING AS NEEDED TO ISOLATE. AUDIT FLOW BALANCING PRIOR TO DEMOLITION

C UNDERFLOOR DUCTWORK HERE (NOT SHOWN) TO REMAIN.

D DEMOLISH CEILING TRANSFER FAN. REFER TO DSS REPORT FOR PRESENCE OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS. ALLOW FOR REMOVAL OF EXISTING FIRESPRAY WHERE REQUIRED TO FACILITATE INSTALLATION OF PROPOSED EQUIPMENT (TYP.)

E DEMOLISH DIFFUSERS AND DUCTWORK WHERE INDICATED (TYP.)

F DEMOLISH EXISTING REHEAT COIL. ALLOW FOR EXTENSION OF HYDRONIC PIPING TO NEW LOCATION. REUSE EXISTING SUPPORT WHERE POSSIBLE AND ALLOW FOR EXTENSIONS WITH UNISTRUT. REFER TO DSS REPORT.

DRAWING NOTES

1 EXISTING FLOOR SLOT DIFFUSER. PROVIDE PRECONSTRUCTION AIRFLOW BALANCING AND SUBMIT REPORTS TO CONSULTANT.

2 NEW PEDESTAL PANEL STYLE RADIATOR, RUNTAL R2F-4. MINIMUM 650 BTU/ft @ 115 AWT. PROVIDE NEW DDC CONTROL VALVE AND THERMOSTAT. CONNECT TO EXISTING HWS/HWR PIPING AND BALANCE TO EXISTING FLOWS. PROVIDE NEW ZONE THERMOSTAT AND ELECTRONIC CONTROL VALVE AT HWR CONNECTION. PROVIDE CORNERS AND END CAPS FOR CONTINUOUS APPEARANCE. COLOUR SELECTION BY CONSULTANT FROM MANUFACTURER'S FULL RANGE OF TEIR 2 ADDITIONAL COLOUR OPTIONS.

3 REPLACE EXISTING FLOOR GRILLES WITH BAR GRILLES SUITABLE FOR LIGHT FOOT TRAFFIC. PROVIDE CORNERS AND END CAPS FOR CONTINUOUS APPEARANCE. EH PRICE LBMH OR EQUIVALENT

4 ACOUSTICALLY LINED TRANSFER DUCT 300x300

5 REPLACE EXISTING CEILING TRANSFER FAN WITH NEW TRANSFER FAN INTO CORRIDOR PLENUM RETURN, 100 CFM @ 0.2 IN. ESP. INLINE CENTRIFUGAL. PROVIDE VIBRATION ISOLATION SUPPORT AND FLEXIBLE CONNECTION TO EXISTING DUCTWORK. PROVIDE CONTROL TO ENABLE FAN FROM NEW BAS OCCUPANCY SENSORS IN ROOMS 3603A/B.

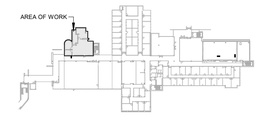
6 NEW MULTI-ROW REHEAT COIL SELECTED FOR FUTURE CONVERSION TO LOW SUPPLY WATER TEMPERATURE (50oC). PROVIDE NEW DDC CONTROL VALVE AND THERMOSTAT. COORDINATE FINAL LOCATION WITH EXISTING CEILING SERVICES AND STRUCTURE AND ALLOW FOR LOCAL RELOCATION OF EXISTING SERVICES CONCEALED WITHIN CEILING TO ACCOMMODATE INCREASED SIZE OF NEW REHEAT COILS. ALL REVISIONS INCLUDING PIPING AND DUCTWORK SHALL BE AS SPECIFIED FOR NEW WORK.

7 PROVIDE SHEET METAL ENCASED PLYWOOD BLANK OFF SUITABLE FOR FOOT TRAFFIC TO SEAL LINEAR FLOOR GRILLE INTO MEETING ROOM 3603B.

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PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

MECHANICAL PLAN - 4TH YEAR DESIGN STUDIO

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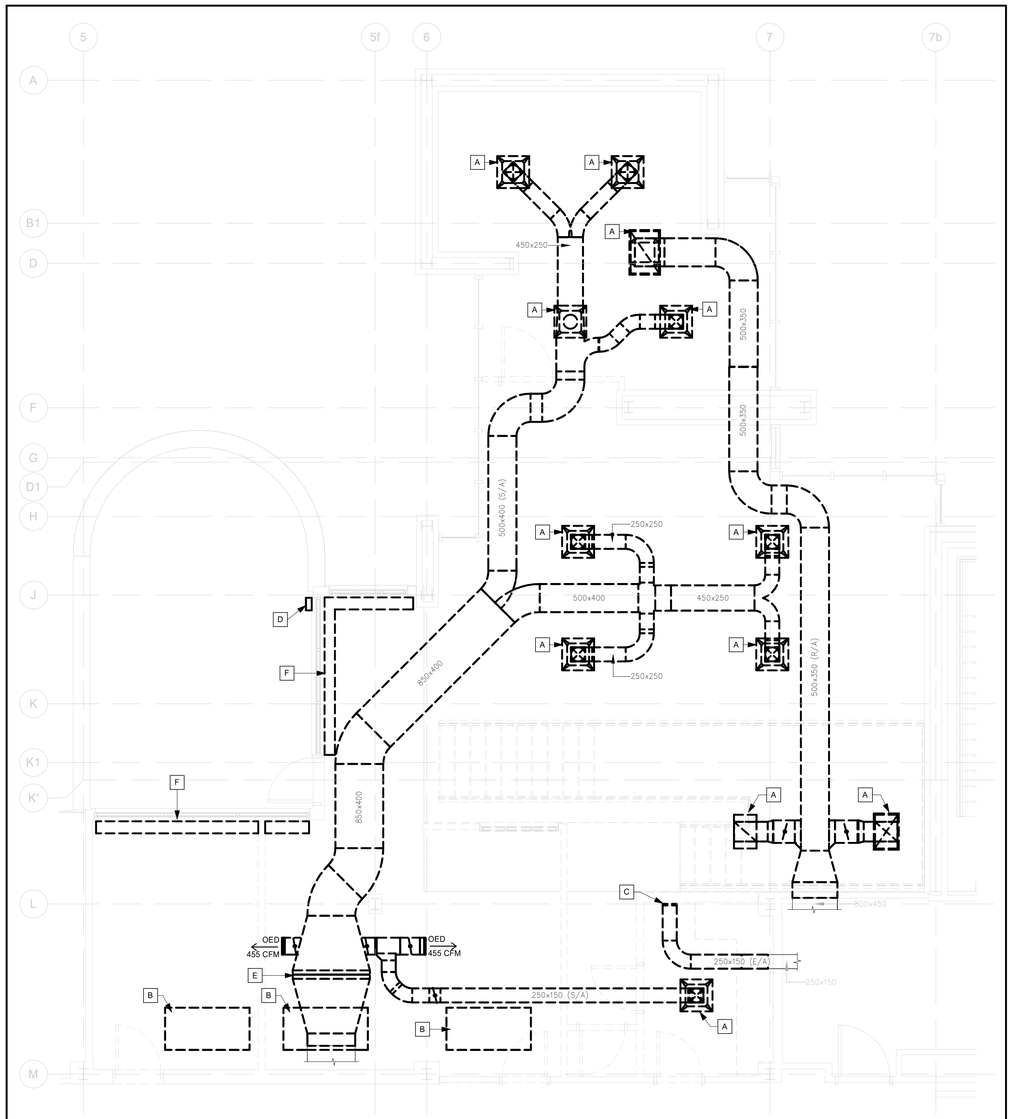
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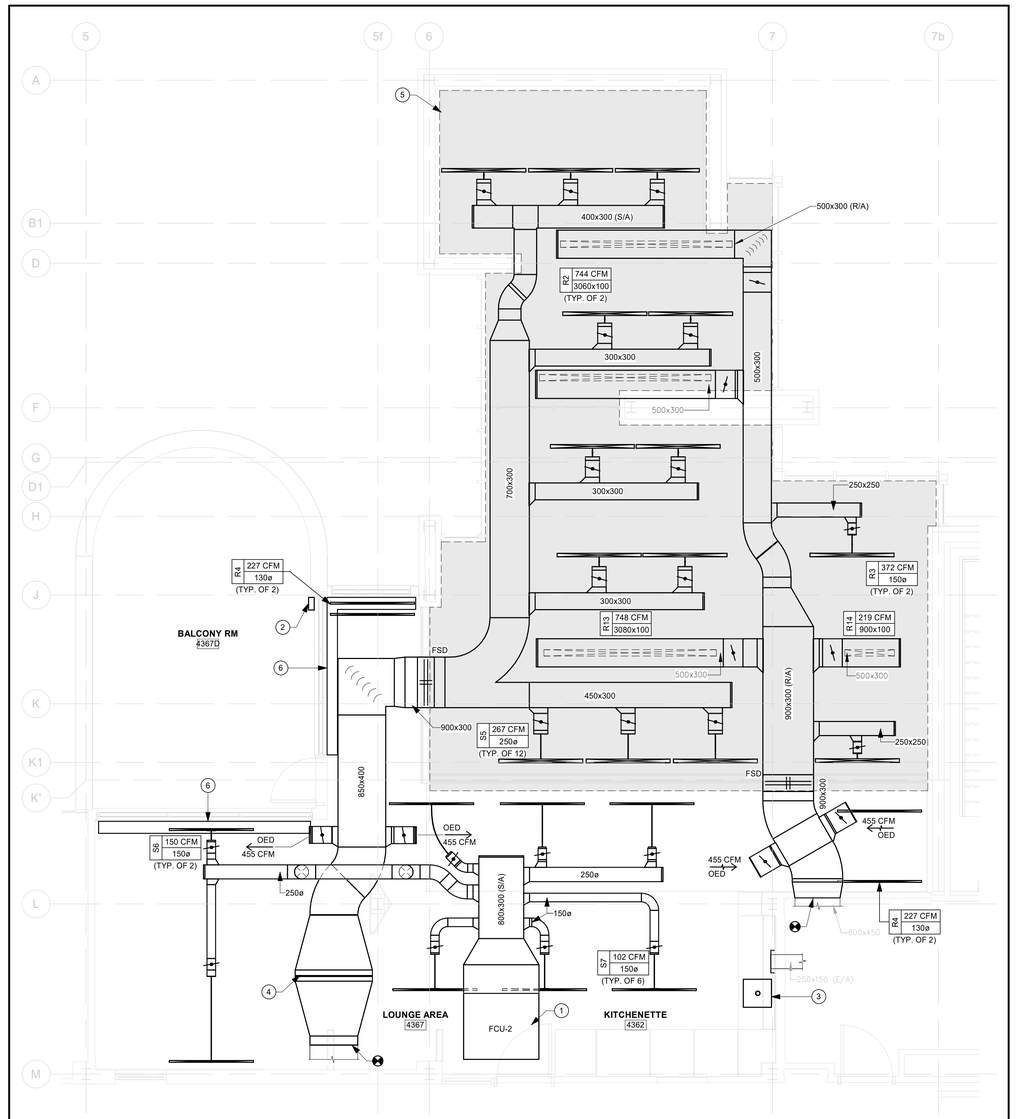
SHEET NO :

M120



1 M130 FOURTH FLOOR PLAN - FACULTY & STUDENT LOUNGE & 4TH YEAR DESIGN STUDIO - DEMOLITION

Scale: 1 : 50



2 M130 FOURTH FLOOR PLAN - FACULTY & STUDENT LOUNGE & 4TH YEAR DESIGN STUDIO

Scale: 1 : 50

DEMOLITION NOTES

A DEMOLISH DIFFUSERS AND DUCTWORK WHERE INDICATED (TYP.)

B DEMOLISH EXISTING FAN COIL IN THIS APPROXIMATE LOCATION. INCLUDING EXISTING CONTROL VALVES. REFER TO DSS REPORT FOR PRESENCE OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS. ALLOW FOR REMOVAL OF EXISTING FIRESPRAY WHERE REQUIRED TO FACILITATE INSTALLATION OF PROPOSED EQUIPMENT (TYP.)

C DEMOLISH KITCHEN EXHAUST HOOD AND CONNECTING DUCTWORK. CAP DUCT ABOVE NEW CEILING LEVEL.

D DEMOLISH BALCONY SCUPPER DRAIN. INVESTIGATE DOWNSTREAM PIPING TO IDENTIFY LEAKS AND REPORT ON CONDITION TO CONSULTANT. ALLOW FOR DEMOLITION OF 3 METRES OF PIPING.

E DEMOLISH EXISTING REHEAT COIL. ALLOW FOR EXTENSION OF HYDRONIC PIPING TO NEW LOCATION. REUSE EXISTING SUPPORT WHERE POSSIBLE AND ALLOW FOR EXTENSIONS WITH UNISTRUT. REFER TO DSS REPORT.

F DEMOLISH PEDESTAL RADIATORS WHERE INDICATED (TYP.). CAP PIPING CONNECTIONS. ALLOW FOR PIPE FREEZING AS NEEDED TO ISOLATE. AUDIT FLOW BALANCING PRIOR TO DEMOLITION

DRAWING NOTES

1 CONCEALED DUCTED CHILLED WATER FAN COIL ABOVE CEILING. COORDINATE CEILING ACCESS WITH OTHER TRADES. EXTEND EXISTING CHILLED WATER CONNECTIONS AS REQUIRED PROVIDE NEW THERMOSTATS AND CONTROL VALVES. INCLUDE UNIT CONDENSATE PUMP AND CONCEALED PIPING TO NEAREST EXISTING DRAIN.

2 NEW EXTERIOR SCUPPER DRAIN. RECONNECT TO EXISTING STORM DRAINAGE.

3 NEW STAINLESS STEEL UNDERMOUNT KITCHEN SINK. REFER TO PLUMBING FIXTURE SHCEDULE (M901). PROVIDE UNDER COUNTER POINT OF USE REVERSE OSMOSIS SYSTEM WITH SEPARATE DRINKING WATER TAP. RECONNECT TO EXISTING SUPPLY AND DRAINAGE PIPING.

4 NEW MULTI-ROW REHEAT COIL SELECTED FOR FUTURE CONVERSION TO LOW SUPPLY WATER TEMPERATURE (50dC). PROVIDE NEW DDC CONTROL VALVE AND THERMOSTAT. COORDINATE FINAL LOCATION WITH EXISTING CEILING SERVICES AND STRUCTURE AND ALLOW FOR LOCAL RELOCATION OF EXISTING SERVICES CONCEALED WITHIN CEILING TO ACCOMMODATE INCREASED SIZE OF NEW REHEAT COILS. ALL REVISIONS INCLUDING PIPING AND DUCTWORK SHALL BE AS SPECIFIED FOR NEW WORK.

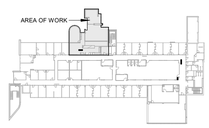
5 THIS REGION OPEN TO BELOW. REFER TO FLOOR PLAN 2/M120. REFER TO ARCH FOR DIFFUSER POSITIONING AND BLANK-OFF SECTIONS FOR CONTINUOUS APPEARANCE.

6 NEW PEDESTAL PANEL STYLE RADIATOR. RUNTAL R2F-4. MINIMUM 650 BTU/ft @ 115 AWT. PROVIDE NEW DDC CONTROL VALVE AND THERMOSTAT. CONNECT TO EXISTING HWS/HWR PIPING AND BALANCE TO EXISTING FLOWS. PROVIDE NEW ZONE THERMOSTAT AND ELECTRONIC CONTROL VALVE AT HWR CONNECTION. PROVIDE CORNERS AND END CAPS FOR CONTINUOUS APPEARANCE. COLOUR SELECTION BY CONSULTANT FROM MANUFACTURER'S FULL RANGE OF TEIR 2 ADDITIONAL COLOUR OPTIONS.

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4	ISSUED FOR 90% CD	2026.09.29
5	ISSUED FOR TENDER	2026.11.05

CLIENT

UNIVERSITY OF WATERLOO

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

MECHANICAL PLAN - FACULTY & STUDENT LOUNGE (4TH FLOOR)

WALTERFEDY

TORONTO | CALGARY | EDMONTON | **KITCHENER** | HAMILTON

800.685.1378 **walterfedy.com**

SEAL

LICENSED PROFESSIONAL ENGINEER
A. W. PORTENGEN
100216797
Nov 06, 2026
PROVINCE OF ONTARIO

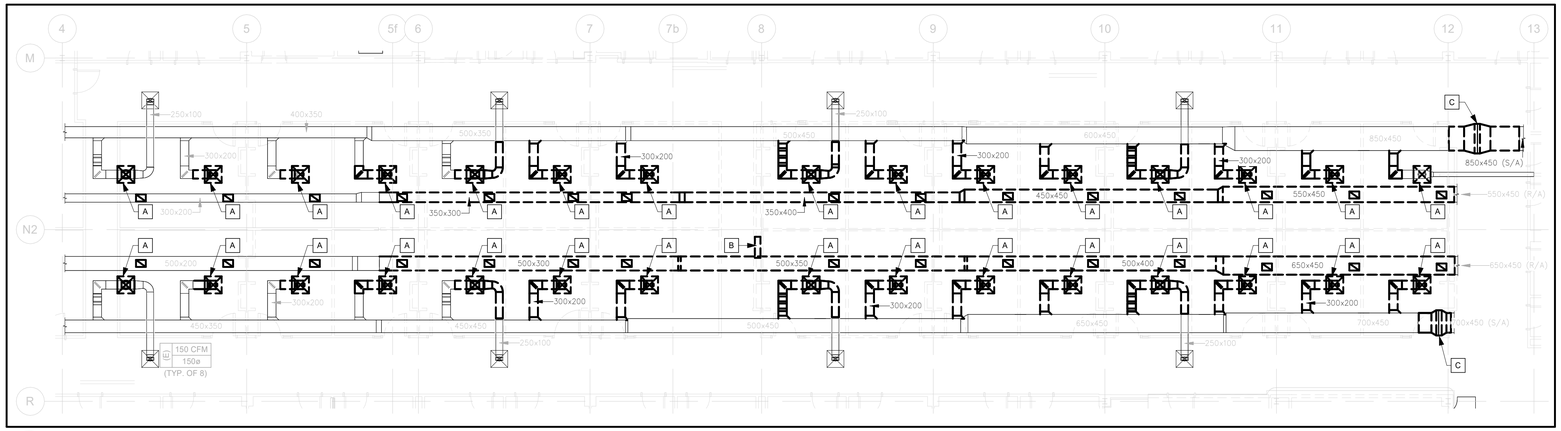
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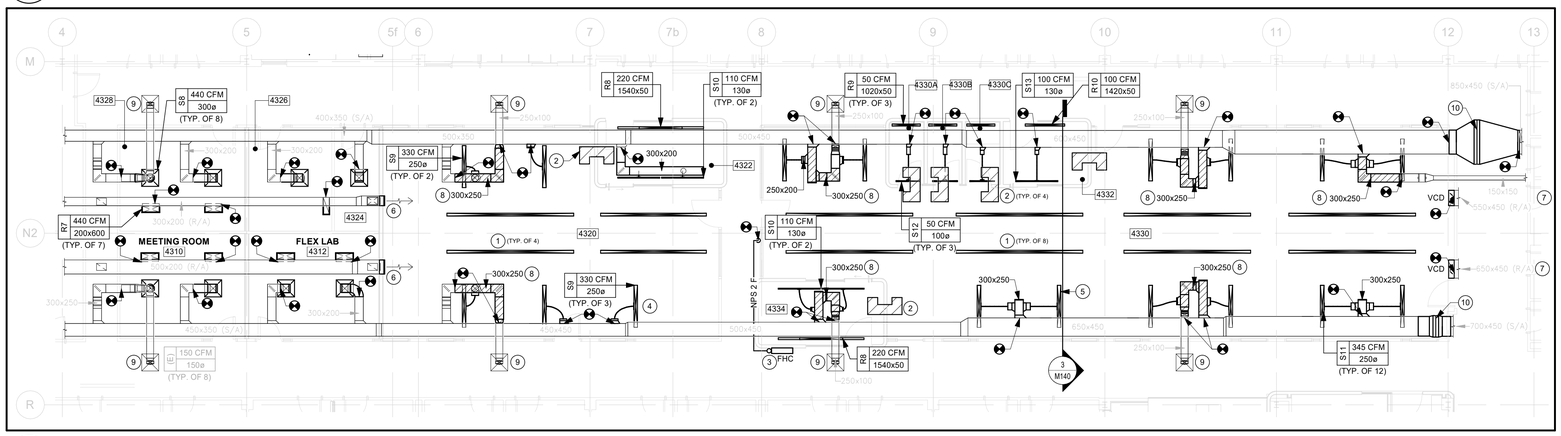
SHEET NO :

M130



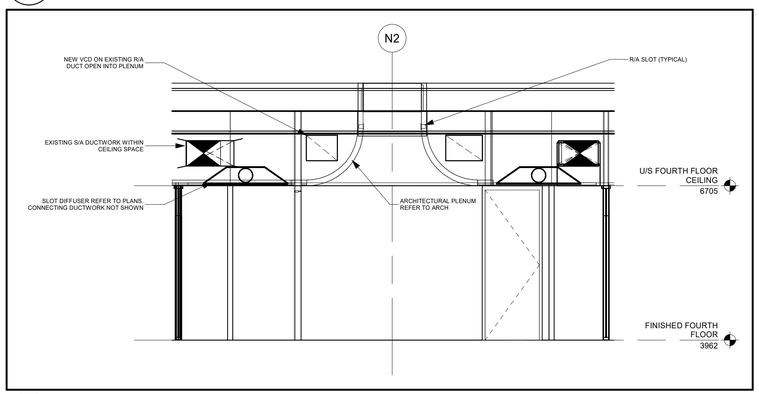
1 M140 FOURTH FLOOR PLAN - PHD OPEN OFFICE & MEETING ROOMS - DEMOLITION

Scale: 1 : 100



2 M140 FOURTH FLOOR PLAN - PHD OPEN OFFICE & MEETING ROOMS

Scale: 1 : 100



3 M140 FOURTH FLOOR SECTION - PHD OPEN OFFICE PLENUM

Scale: 1 : 50

DEMOLITION NOTES

A DEMOLISH DIFFUSERS AND DUCTWORK AS INDICATED. REFER TO DSS REPORT FOR PRESENCE OF DESIGNATED SUBSTANCES AND ABATEMENT REQUIREMENTS. ALLOW FOR REMOVAL OF EXISTING FIRESPRAY WHERE REQUIRED TO FACILITATE INSTALLATION OF PROPOSED EQUIPMENT (TYP.)

B DEMOLISH FIRE HOSE CABINET.

C DEMOLISH EXISTING REHEAT COIL. ALLOW FOR EXTENSION OF HYDRONIC PIPING TO NEW LOCATION. REUSE EXISTING SUPPORT WHERE POSSIBLE AND ALLOW FOR EXTENSIONS WITH UNISTRUT. REFER TO DSS REPORT.

DRAWING NOTES

1 LINEAR SLOT RETURN 25 WIDE AND CONTINUOUS AT EACH SKYLIGHT SECTION. REFER TO ARCHITECTURAL (TYP.)

2 ACOUSTIC TRANSFER DUCT 300x200

3 PROVIDE NEW SEMI-RECESSED STAINLESS STEEL FIRE HOSE CABINET. OFFSET EXISTING FIRE STANDPIPE WITHIN LEVEL 3 CEILING SPACE AND EXTEND TO SERVE NEW FHC.

4 REVISE EXISTING DUCTWORK TO SERVE NEW SLOT DIFFUSERS (TYP.)

5 REFER TO ARCH FOR DIFFUSER POSITIONING (TYP).

6 RETURN AIR DUCTWORK OPEN INTO NEW RETURN AIR PLENUM.

7 PROVIDE ACCESS TO VCD FROM EXISTING CEILING SIDE. ACCESS PANELS IN NEW DRYWALL PLENUM ARE NOT ACCEPTABLE.

8 PROVIDE DUCTWORK WITH ACOUSTIC LINING AS SHOWN.

9 [ALTERNATE PRICE 03] PROVIDE ADDITIONAL REPLACEMENT DUCTWORK WITH ACOUSTIC LINING UP TO EXISTING CORRIDOR DIFFUSERS.

10 NEW MULTI-ROW REHEAT COIL SELECTED FOR FUTURE CONVERSION TO LOW SUPPLY WATER TEMPERATURE (50dC). PROVIDE NEW DDC CONTROL VALVE AND THERMOSTAT. COORDINATE FINAL LOCATION WITH EXISTING CEILING SERVICES AND STRUCTURE AND ALLOW FOR LOCAL RELOCATION OF EXISTING SERVICES CONCEALED WITHIN CEILING TO ACCOMMODATE INCREASED SIZE OF NEW REHEAT COILS. ALL REVISIONS INCLUDING PIPING AND DUCTWORK SHALL BE AS SPECIFIED FOR NEW WORK.

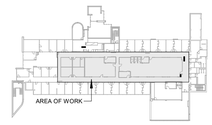
ROOM SCHEDULE

4310	MEETING ROOM
4312	FLEX LAB
4320	PHD STUDIO
4322	MEETING ROOM
4324	STRG RM
4326	FLEX LAB
4328	STAFF OFFICE
4330	PHD STUDIO
4330C	STUDY BOOTH
4332	MEETING ROOM
4334	MEETING ROOM

CLIENT LOGO

UNIVERSITY OF WATERLOO

KEY PLAN:



TRUE NORTH

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200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

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WALTERFEDY

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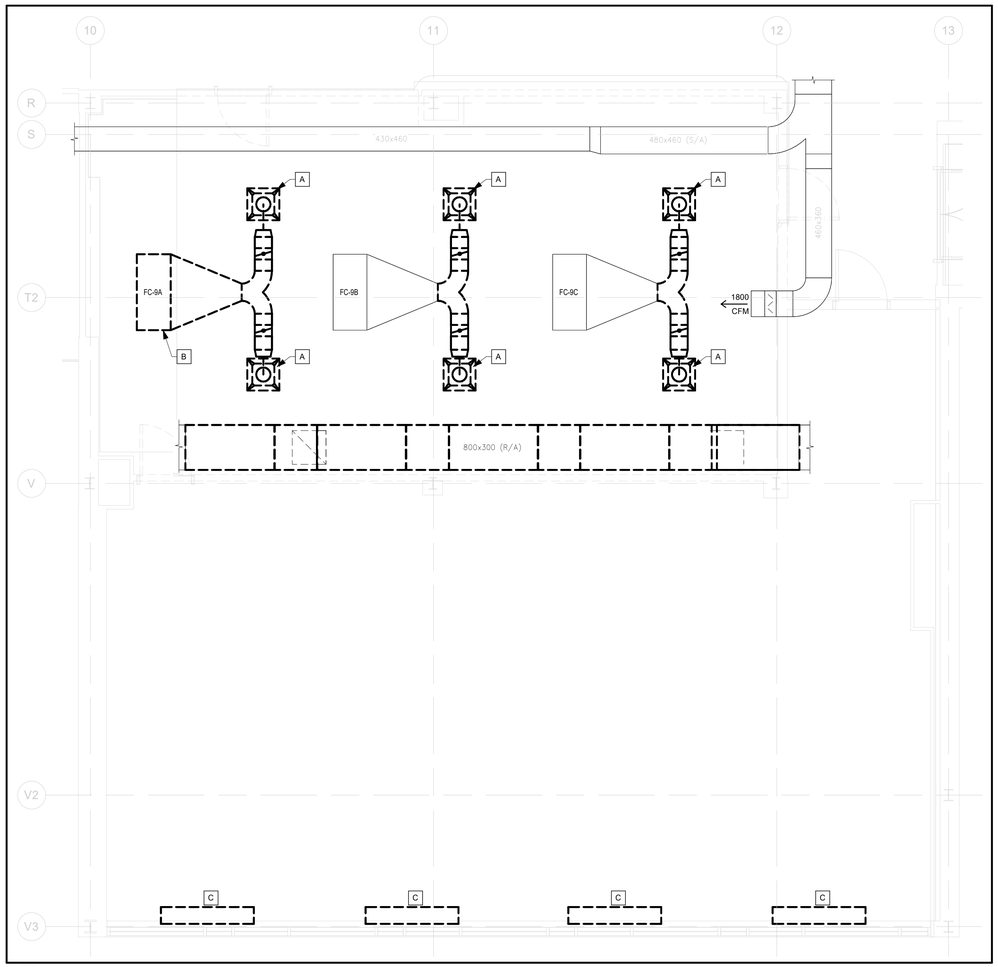
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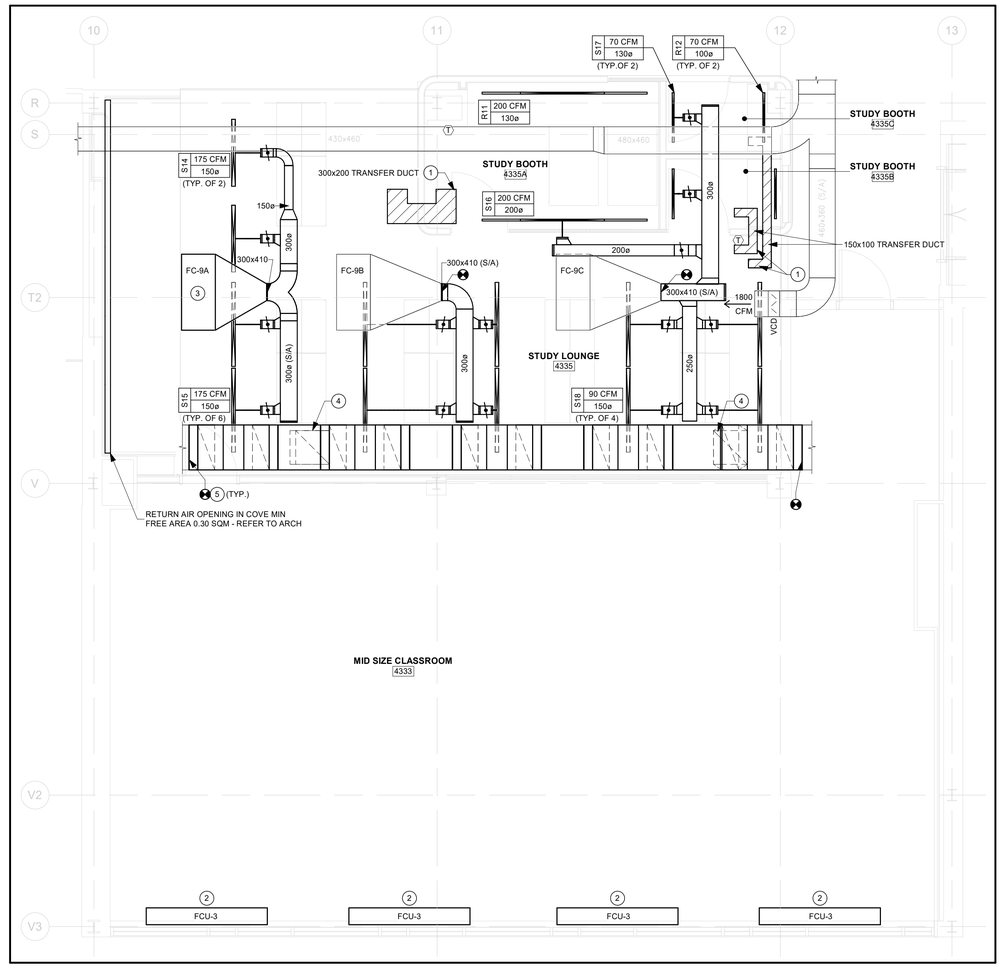
SHEET NO :

M140



1 M150 FOURTH FLOOR PLAN - MID SIZE CLASSROOM & STUDY SPACE - DEMOLITION

Scale: 1 : 50



2 M150 FOURTH FLOOR PLAN - MID SIZE CLASSROOM & STUDY SPACE

Scale: 1 : 50

DEMOLITION NOTES

A DEMOLISH DIFFUSERS AND DUCTWORK WHERE INDICATED

B REMOVE CHILLED WATER FAN COIL AND STORE FOR REUSE. ISOLATE AND CAP EXISTING PIPING CONNECTIONS, ALLOWING FOR PIPE FREEZING AS REQUIRED.

C DEMOLISH 4-PIPE FAN COILS. TEMPORARILY CAP EXISTING PIPING CONNECTIONS, ALLOWING FOR PIPE FREEZING AS REQUIRED.

DRAWING NOTES

1 ACOUSTICALLY LINED TRANSFER DUCT

2 NEW SURFACE MOUNTED 4-PIPE FAN COIL. RECONNECT TO EXISTING CHILLED WATER PIPING AND CONDENSATE DRAINAGE. PROVIDE NEW SPACE THERMOSTAT AND REUSE EXISTING ELECTRICAL FEED. PROVIDE NEW CONTROL VALVES IN LEVEL 3 CEILING BELOW.

3 REINSTATE EXISTING CHILLED WATER FAN COIL IN THIS LOCATION. EXTEND ALL PIPING AS REQUIRED. PROVIDE NEW THERMOSTATS AND CONTROL VALVES. PROVIDE NEW BACNET CONTROLLER AND ALLOW FOR CABLING BACK TO NEAREST IT CLOSET. COORDINATE WITH OWNER'S IT GROUP FOR NEW IP DROPS AS REQUIRED.

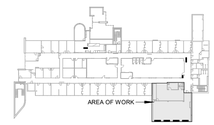
4 CUT EXISTING RETURN DIFFUSER AND LEAVE EXISTING BALANCING DAMPER OPEN INTO CEILING RETURN PLENUM. REBALANCE FOR EXISTING FLOW (900 CFM EACH).

5 OFFSET DUCTWORK ABOVE NEW SLOT DIFFUSERS AS REQUIRED. REVIEW STRUCTURAL CONSTRAINTS ABOVE CEILING PRIOR TO DUCTWORK DEMOLITION AND REPORT FINDINGS TO CONSULTANT.

CLIENT LOGO

UNIVERSITY OF WATERLOO

KEY PLAN:



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TITLE

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WALTERFEDY

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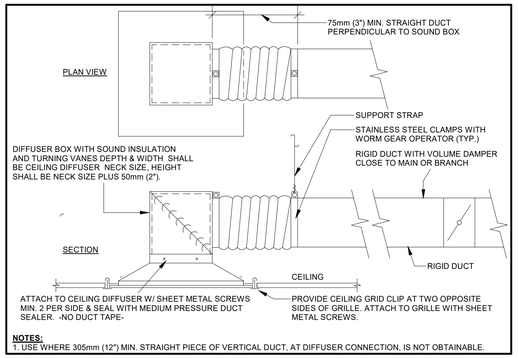
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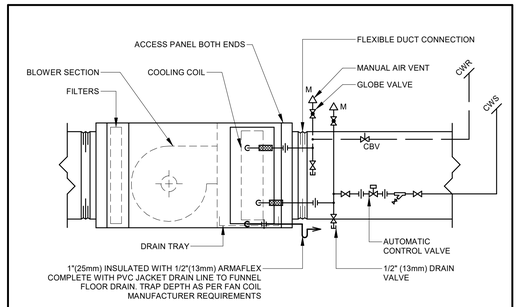
SHEET NO :

M150



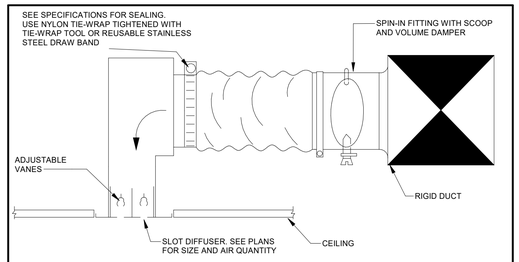
NOTES:
1. USE WHERE 305mm (12") MIN. STRAIGHT PIECE OF VERTICAL DUCT, AT DIFFUSER CONNECTION, IS NOT OBTAINABLE.

1 M801 LOW CLEARANCE CEILING DIFFUSER DETAIL
N.T.S.



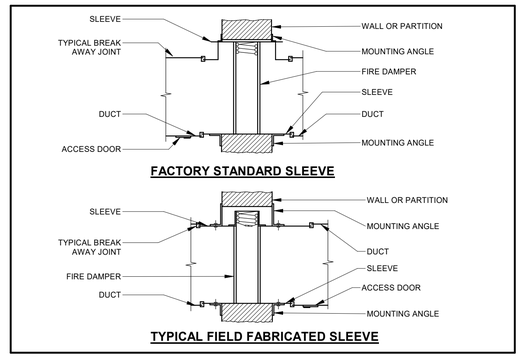
NOTES:
1. PIPING TO BE INSTALLED IN SUCH A MANNER THAT THE COIL CAN BE REMOVED WITH A MINIMUM OF PIPING REMOVAL
2. PIPE FOR COUNTERFLOW OF AIR AND WATER
3. PIPE ALL STRAINERS TO DRAIN

2 M801 CHILLED WATER PIPING TO FAN COIL
N.T.S.



NOTES:
1. OFFSETS WITH FLEX DUCT SHALL NOT EXCEED 30° AND SHALL BE GRADUAL, OFFSETS IN EXCESS OF 30° SHALL BE HARD DUCTED.
2. FLEX DUCT SHALL NOT HAVE MORE THAN 12mm (1/2") SAG PER FOOT.
3. CONNECT FLEXIBLE DUCT TO SUPPLY MAIN WITH SPIN-IN FITTING WITH VOLUME DAMPER.
4. REFER TO SPECIFICATIONS FOR MAXIMUM ALLOWABLE LENGTH OF FLEXIBLE DUCT.
5. PLENUM SHALL BE MIN. 50mm (2") WIDER THAN SLOT AND MIN. 100mm (4") TALLER THAN BRANCH DUCT.
6. FOR RETURN, USE IDENTICAL PLENUM SIZE AS SUPPLY AND FLEX RUN-OUT.
7. LININGS SHALL BE FOILED FOIL FACED.

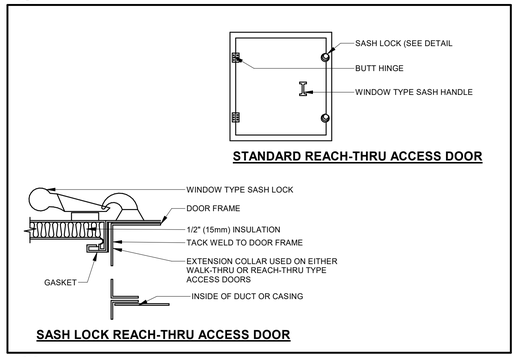
3 M801 LINEAR DIFFUSER CONNECTION WITH PLENUM
N.T.S.



FACTORY STANDARD SLEEVE

TYPICAL FIELD FABRICATED SLEEVE

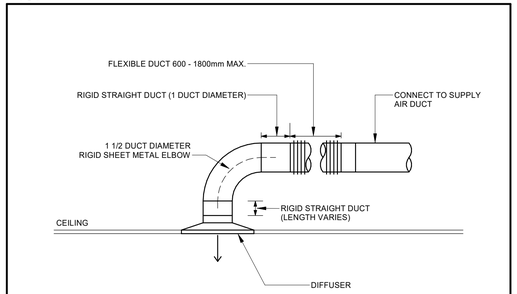
4 M801 FIRE DAMPER
N.T.S.



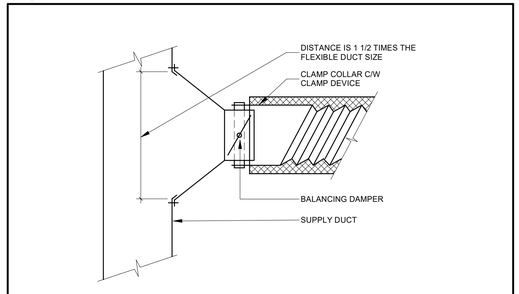
STANDARD REACH-THRU ACCESS DOOR

SASH LOCK REACH-THRU ACCESS DOOR

5 M801 DUCT ACCESS DOOR
N.T.S.

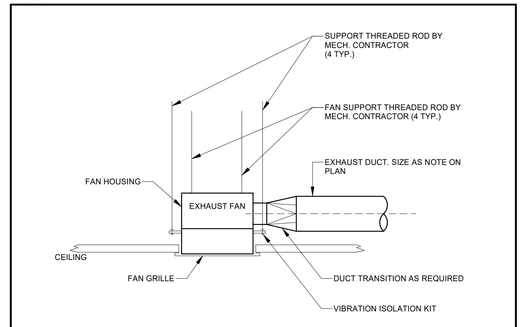


6 M801 TYPICAL DIFFUSER DUCTING
N.T.S.

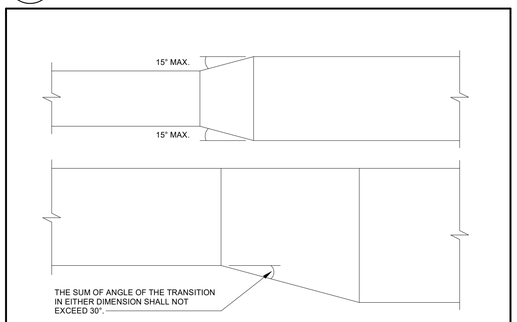


NOTE:
FLEXIBLE DUCT SIZE IDENTICAL TO DIFFUSER NECK DIAMETER.
WHERE METAL DUCTWORK IS INSTALLED, INSULATION MUST BE PROVIDED.

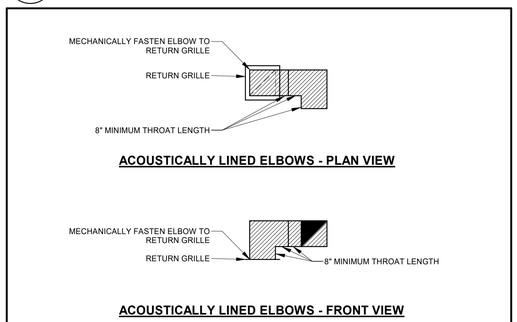
7 M801 TYPICAL DUCT BRANCH TAKE-OFF -FLEX DUCT
N.T.S.



8 M801 CEILING MOUNTED EXHAUST FAN
N.T.S.



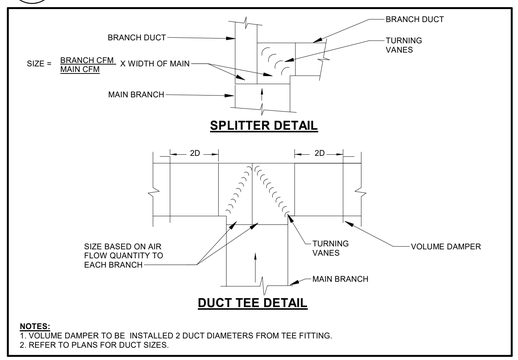
9 M801 DUCT TRANSITION
N.T.S.



ACOUSTICALLY LINED ELBOWS - PLAN VIEW

ACOUSTICALLY LINED ELBOWS - FRONT VIEW

10 M801 ACOUSTICALLY LINED ELBOW INSTALLATION
N.T.S.

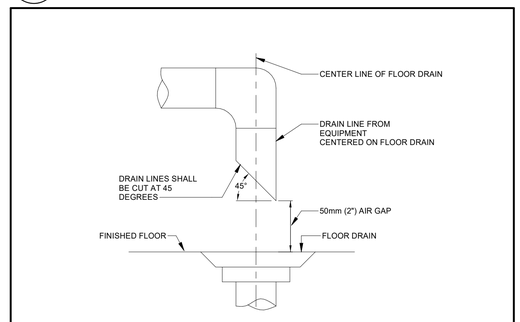


SPLITTER DETAIL

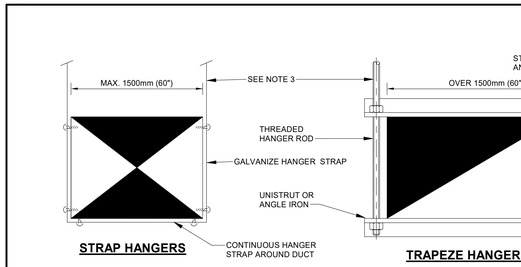
DUCT TEE DETAIL

NOTES:
1. VOLUME DAMPER TO BE INSTALLED 2 DUCT DIAMETERS FROM TEE FITTING.
2. REFER TO PLANS FOR DUCT SIZES.

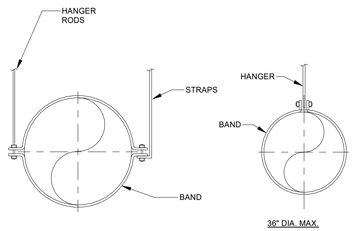
11 M801 DUCT TEE - SPLITTER
N.T.S.



12 M801 INDIRECT DRAIN LINE DETAIL
N.T.S.



STRAP HANGERS



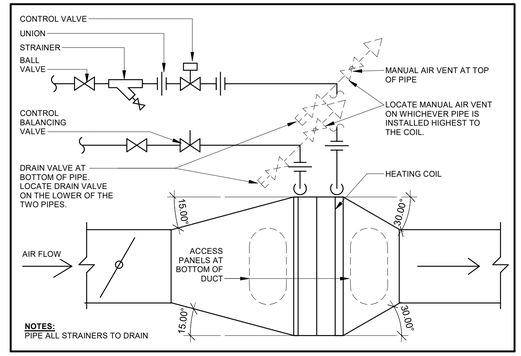
TRAPEZE HANGERS

NOTES:
1. ON DUCTS OVER 1219mm (48") WIDE, BOTTOM SHALL BE BRACED BY ANGLE. FOR CROSS SECTION AREA MORE THAN 0.74 SQ.M (8 SQ. FT), DUCT SHALL BE BRACED BY ANGLES ON ALL FOUR SIDES.
2. CUTTING AND PATCHING SHALL BE LIMITED TO A MINIMUM AS REQUIRED FOR PROPER INSTALLATION.
3. SUPPORTS SHALL BE SPACED AND SIZED AS PER SMACNA.
4. REFER TO SMACNA FOR SPECIFIC RECOMMENDED HANGER TYPES NOTED ABOVE.

13 M801 DUCT HANGER SUPPORT DETAIL
N.T.S.

CIRCUIT BALANCING VALVE SIZE SCHEDULE			
USGPM	CBV SIZE (INCH)	FLOW (L/s)	CBV SIZE (mm)
0.1-0.5	1/2 LOW FLOW	0.006-0.03	13 LOW FLOW
0.45-2.8	1/2	0.03-0.18	13
1.5-6.3	3/4	0.09-0.40	19
2.8-9.5	1	0.18-0.60	25
3.6-15.0	1 1/4	0.23-0.95	32
4.8-20.0	1 1/2	0.30-1.3	38
9.8-36.0	2	0.62-2.3	50
5.0-100	2 1/2	0.32-6.3	63
6.0-130	3	0.38-8.2	75
9.2-200	4	0.58-13	100
16.2-320	5	1.0-20	125
31.5-450	6	2.0-28	150
95.0-830	8	6.0-52	200
197-1300	10	12-82	250
230-1600	12	14-100	300

14 M801 CIRCUIT BALANCING VALVE SIZING SCHEDULE
N.T.S.



NOTES:
PIPE ALL STRAINERS TO DRAIN

15 M801 (23-HVAC) TERMINAL BOOSTER / REHEAT COIL
N.T.S.

CLIENT LOGO

UNIVERSITY OF WATERLOO

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TITLE
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SUPPLY AIR SCHEDULE

TAG	MANUFACTURER	MODEL	SLOT SYSTEM	NECK SIZE (MM)	LENGTH (MM)	WIDTH (MM)	NOTES
S1	PRICE	PDS	N/A	400	1200	600	PERFORATED DIFFUSER
S2	PRICE	PDS	N/A	250	1200	600	PERFORATED DIFFUSER (4-WAY THROW)
S3	PRICE	PDS	N/A	400	1200	600	PERFORATED DIFFUSER (2-WAY THROW)
S4	PRICE	SDS-100	1-SLOT	150	1525	50	C/W SDA PLENUM
S5	PRICE	SDS-150	2-SLOT	250	1525	120	C/W SDB PLENUM
S6	PRICE	SDS-100	1-SLOT	150	1525	50	C/W SDA PLENUM
S7	PRICE	SDS-100	1-SLOT	150	1525	50	C/W SDA PLENUM
S8	PRICE	SPD	N/A	300	600	600	SQUARE PLAQUE DIFFUSER
S9	PRICE	SDS-100	4-SLOT	250	1525	180	C/W SDA PLENUM
S10	PRICE	SDS-50	1-SLOT	125	1525	35	C/W SDA PLENUM
S11	PRICE	SDS-100	4-SLOT	250	1525	180	C/W SDA PLENUM
S12	PRICE	SDS-50	1-SLOT	125	915	35	C/W SDA PLENUM
S13	PRICE	SDS-50	1-SLOT	125	1525	35	C/W SDB PLENUM
S14	PRICE	SDS-100	2-SLOT	150	1220	100	C/W SDA PLENUM
S15	PRICE	SDS-100	2-SLOT	150	1525	100	C/W SDA PLENUM
S16	PRICE	SDS-100	1-SLOT	200	1525	50	C/W SDA PLENUM
S17	PRICE	SDS-50	1-SLOT	125	1525	35	C/W SDA PLENUM
S18	PRICE	SDS-100	2-SLOT	150	1525	100	C/W SDA PLENUM

RETURN AIR SCHEDULE

TAG	MANUFACTURER	MODEL	SLOT SYSTEM	NECK SIZE (MM)	LENGTH (MM)	WIDTH (MM)	NOTES
R1	PRICE	N/A	N/A	N/A	1220	1220	PEFORATED RETURN
R2	PRICE	SDR-150	2-SLOT	150	3050	120	SLOT RETURN DIFFUSER
R3	PRICE	SDR-150	1-SLOT	150	1525	60	SLOT RETURN DIFFUSER
R4	PRICE	SDR-100	1-SLOT	150	1525	50	SLOT RETURN DIFFUSER
R5	PRICE	SDR-150	1-SLOT	N/A	4000	25	SLOT RETURN DIFFUSER
R6	PRICE	SDR-150	1-SLOT	N/A	3500	25	SLOT RETURN DIFFUSER
R7	PRICE	530	N/A	N/A	600	200	LOUVERED RETURN DIFFUSER
R8	PRICE	SDR-100	1-SLOT	125	1525	50	SLOT RETURN AIR OPENING
R9	PRICE	SDR-100	1-SLOT	125	1000	50	SLOT RETURN DIFFUSER
R10	PRICE	SDR-100	1-SLOT	125	1400	50	SLOT RETURN DIFFUSER
R11	PRICE	SDR-100	1-SLOT	125	1525	50	SLOT RETURN DIFFUSER WITH BLANK OFF SECTIONS
R12	PRICE	SDR-100	1-SLOT	100	1525	50	SLOT RETURN DIFFUSER
R13	PRICE	SDR-150	2-SLOT	150	3060	120	SLOT RETURN DIFFUSER
R14	PRICE	SDR-150	2-SLOT	150	880	120	SLOT RETURN DIFFUSER

SINK SCHEDULE

TAG #	FIXTURE TYPE	MANUFACTURER	MODEL	HEIGHT	LENGTH	WIDTH	TRIM	TRAP	BRASS STOP	ACCESSORIES	REMARKS
S-1	FAUCET/ACCESSORIES	AMERICAN STANDARD	BEALE 4931300.075				-	MCGUIRE 8903C	MCGUIRE LFH165N3	-	OADA INSTALLATION C/W UNDERCOUNTER REVERSE OSMOSIS SYSTEM AND SEPARATE DECK MOUNT FAUCET. REFER TO DRAWING NOTES. STAINLESS STEEL BASIN PROVIDED BY CASEWORK.

FAN COIL SCHEDULE

								ELECTRICAL			HEATING COIL								COOLING COIL										FILTER		DIMENSIONS				
													AIR SIDE				FLUID SIDE						AIR SIDE						FLUID SIDE									
MARK	MANUFACTURER	MODEL	AREA SERVED	AIR FLOW	ESP	POWER	BRAKE POWER	V	Ph	Hz	FLUID TYPE	TOTAL CAPACITY	MAX. AIR VELOCITY	EAT DB	LAT DB	PRESSURE DROP	FLUID FLOW	EWT	LWT	PRESSURE DROP	FLUID TYPE	TOTAL CAPACITY	SENSIBLE CAPACITY	MAX. AIR VELOCITY	EAT DB	EAT WB	LAT DB	LAT WB	PRESSURE DROP	FLUID FLOW	EWT	LWT	PRESSURE DROP	TYPE	EFFICIENCY	L	W	H	WEIGHT	REMARKS
FCU-1	DAIKIN	BCHD0181	SCOPE 1	897 L/s	124.42 Pa	2 x 1 HP	2 x 0.9 HP	115	1	60	WATER	---	---	---	---	---	---	---	---	---	WATER	15 kW	12 kW	2 m/s	24 °C	17 °C	12.5 °C	12.3 °C	146.82 Pa	0.4 L/s	7 °C	15 °C	23.55 kPa	2"	MERV 8	1168 mm	1372 mm	457 mm	260 kg	RATED PERFORMANCE AT MEDIUM FAN SPEED. ECM MOTORS. MAXIMUM RADIATED SOUND POWER LEVELS ABOVE 500 Hz NOT TO EXCEED 55 DB.
FCU-2	DAIKIN	BCHD0101	SCOPE 3	448 L/s	74.65 Pa	0.5 HP	0.4 HP	115	1	60	WATER	---	---	---	---	---	---	---	---	---	WATER	6 kW	5 kW	2 m/s	24 °C	17 °C	14.2 °C	13.6 °C	107.00 Pa	0.2 L/s	7 °C	15 °C	3.05 kPa	2"	MERV 8	1168 mm	940 mm	457 mm	160 kg	RATED PERFORMANCE AT MEDIUM FAN SPEED. ECM MOTORS. MAXIMUM RADIATED SOUND POWER LEVELS ABOVE 500 Hz NOT TO EXCEED 49 DB.
FCU-3	DAIKIN	FCVC112	SCOPE 5	461 L/s	0.00 Pa	0.25 HP	0.25 HP	115	1	60	WATER	4 kW	0	21 °C	28 °C	0	0 L/s	49 °C	34 °C	15.45 kPa	WATER	6 kW	5 kW	1 m/s	24 °C	17 °C	14.9 °C	13.7 °C	0.00 Pa	0.2 L/s	7 °C	15 °C	6.64 kPa	-	-	2146 mm	254 mm	635 mm	93 kg	RATED PERFORMANCE AT MEDIUM FAN SPEED. ECM MOTORS. MAXIMUM RADIATED SOUND POWER LEVELS ABOVE 500 Hz NOT TO EXCEED 62 DB.

REHEAT COIL SCHEDULE

TAG #	MANUFACTURER	MODEL	AREA SERVED	HEATING CAPACITY AT 49/43F	DIMENSIONS (MM)		WATER FLOW RATE	AIRFLOW	WATER PRESSURE DROP	AIR PRESSURE DROP	EAT	LAT	REMARKS
					W	H							
RHC-1	DAIKIN	5WH0804B	SCOPE 1	32.8 kW	1219	457	1 L/s	1274 L/s	17.93 kPa	67.19 Pa	17 °C	38 °C	4-ROW REHEAT COILS AS INDICATED. PERFORMANCE FOR FUTURE CONVERSION TO LOW SUPPLY WATER TEMPERATURE (50dC)
RHC-2	DAIKIN	5WH0804B	SCOPE 1	32.8 kW	1219	457	1 L/s	1274 L/s	17.93 kPa	67.19 Pa	17 °C	38 °C	4-ROW REHEAT COILS AS INDICATED. PERFORMANCE FOR FUTURE CONVERSION TO LOW SUPPLY WATER TEMPERATURE (50dC)
RHC-3	DAIKIN	5WH0804B	SCOPE 2	15.2 kW	1016	305	1 L/s	708 L/s	7.79 kPa	67.19 Pa	21 °C	39 °C	4-ROW REHEAT COILS AS INDICATED. PERFORMANCE FOR FUTURE CONVERSION TO LOW SUPPLY WATER TEMPERATURE (50dC)
RHC-4	DAIKIN	5WH0804B	SCOPE 3	43.3 kW	1372	610	2 L/s	2010 L/s	20.62 kPa	72.16 Pa	21 °C	39 °C	4-ROW REHEAT COILS AS INDICATED. PERFORMANCE FOR FUTURE CONVERSION TO LOW SUPPLY WATER TEMPERATURE (50dC)
RHC-5	DAIKIN	5WL0804B	SCOPE 4	49.7 kW	1575	610	2 L/s	2346 L/s	9.24 kPa	74.65 Pa	21 °C	38 °C	4-ROW REHEAT COILS AS INDICATED. PERFORMANCE FOR FUTURE CONVERSION TO LOW SUPPLY WATER TEMPERATURE (50dC)
RHC-6	DAIKIN	5WS1004B	SCOPE 4	12.9 kW	762	381	1 L/s	595 L/s	0.90 kPa	67.19 Pa	21 °C	39 °C	4-ROW REHEAT COILS AS INDICATED. PERFORMANCE FOR FUTURE CONVERSION TO LOW SUPPLY WATER TEMPERATURE (50dC)

CLIENT LOGO

UNIVERSITY OF WATERLOO

No.	ISSUANCE	DATE
1	ISSUED FOR CLASS `C COSTING	2026.03.20
2	ISSUED FOR COORDINATION REVIEW	2026.06.18
3	ISSUED FOR PERMIT & COSTING	2026.07.17
4	ISSUED FOR 90% CD	2026.09.29
5	ISSUED FOR TENDER	2026.11.05

CLIENT

UNIVERSITY OF WATERLOO

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

SCHEDULES

WALTERFEDY

TORONTO | CALGARY | EDMONTON | **KITCHENER** | HAMILTON

800.685.1378 **walterfedy.com**

SEAL

LICENSED PROFESSIONAL ENGINEER
A. W. PORTENGEN
100216797
Nov 06, 2026
PROVINCE OF ONTARIO

REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY, A PART OF WF GROUP, IS FORBIDDEN. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS TO WALTERFEDY, A PART OF WF GROUP. - DO NOT SCALE THIS DRAWING -

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SCALE :	AS NOTED
DATE :	04/12/22
PROJECT NO :	2024-0711-10
DRAWN BY :	SG
CHECKED BY :	JZ

SHEET NO :

M901

A. GENERAL

1. MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2024 ONTARIO BUILDING CODE AND ANY APPLICABLE ACTS OF THE AUTHORITY HAVING JURISDICTION.
2. USE THESE DRAWINGS ONLY FOR THE PURPOSE IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION".
3. READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS, AND ALL OTHER CONTRACT DOCUMENTS.
4. VERIFY ALL STRUCTURAL DIMENSIONS WITH THE CIVIL, ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
5. THE MOST STRINGENT REQUIREMENT GOVERNS WHERE DISCREPANCIES OCCUR WITHIN THE CONTRACT DOCUMENTS, INCLUDING APPLICABLE CODES, STANDARDS AND ACTS.
6. REFER TO THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND SIZES OF OPENINGS, DEPRESSIONS, GROOVES, CURBS, CHAMFERS, SLOPES, SLEEVES, EQUIPMENT BASES, HOUSEKEEPING PADS, TRENCHES, SUMP PITS AND EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
7. OPENINGS AND SLEEVES SHOWN ARE LOCATED AND DIMENSIONED FOR STRUCTURAL DETAILING PURPOSES ONLY. COORDINATE THE EXACT SIZES AND LOCATIONS WITH THE CONSULTANT AND APPLICABLE TRADES DURING CONSTRUCTION. REPORT ANY CONFLICTS TO THE CONSULTANT.
8. DO NOT CUT, DRILL OR ALTER STRUCTURAL MEMBERS WITHOUT PERMISSION FROM THE CONSULTANT, UNLESS NOTED ON THE DRAWINGS.
9. THE STRUCTURAL DRAWINGS ARE FOR THE COMPLETED PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY, TEMPORARY WORKS, AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION.
10. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS SHOWN ON THE DRAWINGS.

B. EXISTING CONDITIONS

1. EXISTING STRUCTURE AND DIMENSIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND ARE PROVIDED TO CONVEY DESIGN INTENT ONLY. THE DESIGN IS BASED ON THE INFORMATION CONTAINED IN THE RECORD DRAWINGS FOR THE EXISTING BUILDINGS, AND ON LIMITED SITE OBSERVATIONS. VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. NOTIFY THE CONSULTANT OF ANY DISCREPANCIES OR CONDITIONS ENCOUNTERED THAT COULD POTENTIALLY AFFECT THE WORK AND OBTAIN DIRECTION BEFORE PROCEEDING.
2. LOCATE ALL EXISTING BURIED UTILITIES AND STRUCTURES. REFER TO CIVIL, MECHANICAL, AND ELECTRICAL DOCUMENTS FOR APPROXIMATE LOCATION OF ALL PROPOSED AND KNOWN EXISTING SERVICES. REMOVE, RELOCATE OR PROVIDE PROTECTION DURING CONSTRUCTION, AS DIRECTED BY THE CONSULTANT.
3. PROTECT EXISTING STRUCTURES FROM DAMAGE DURING CONSTRUCTION. PATCH AND MAKE GOOD ALL EXISTING BUILDING ELEMENTS DISTURBED OR DAMAGED AS PART OF THE WORK.

D. MATERIALS

1. STRUCTURAL CONCRETE:
   1. CONCRETE: CONFORMING TO CSA A23.1 AND PER THE CONCRETE DESIGN PROPERTIES TABLE
   2. REINFORCING BARS: CONFORMING TO CSA G30.18, GRADE 400R (OR 400W WHERE WELDING IS REQUIRED). ALL REINFORCING TO BE BLACK STEEL UNLESS NOTED.
   3. WELDED WIRE REINFORCING: CONFORMING TO ASTM A1064/A1064M, MINIMUM YIELD STRENGTH OF 450 MPa. SUPPLIED IN FLAT SHEETS ONLY.
2. STRUCTURAL STEEL:
   1. W & WWF SECTIONS, CHANNELS & ANGLES: CSA-G40.20/G40.21, GRADE 350W OR A992, GRADE 50 (345 MPa)
   2. HSS SHAPES: CSA-G40.20/G40.21, GRADE 350W CLASS C OR ASTM A500 (GRADE C)
   3. PLATES, RODS, BARS: CSA-G40.20/G40.21, GRADE 300W
   4. STRUCTURAL BOLTS: ASTM F3125 GRADE A325 OR A490
   5. NUTS & WASHERS: ASTM A563 & ASTM F436
   6. ANCHOR RODS: CSA-G40.20/G40.21, GRADE 300W OR ASTM F1554 GRADE 36
   7. HEADED STUDS: CSA W59, TYPE B, MIN Fy=350 MPa
3. STEEL DECK: CONFORMING TO ASTM A653/A653M OR ASTM A792/A792M (GRADE 230).
4. NON-SHRINK GROUT: NON-METALLIC, 40 MPa MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS.

J. STRUCTURAL STEEL

1. PERFORM WORK IN ACCORDANCE WITH CSA-S16 AND THE CISC CODE OF STANDARD PRACTICE.
2. CONNECTIONS ARE SHOWN ON THE STRUCTURAL DRAWINGS TO INDICATE DESIGN INTENT. REFER TO SPECIFICATIONS FOR CONNECTION DESIGN, DETAILING, FABRICATION, AND ERECTION REQUIREMENTS. ALL CONNECTIONS ARE BEARING TYPE WITH A MINIMUM OF 2-19 (3/4") ø BOLTS UNLESS NOTED OTHERWISE.
3. DESIGN CONNECTIONS FOR FORCES INDICATED ON THE STRUCTURAL DRAWINGS. WHERE CONNECTION FORCES ARE NOT PROVIDED, DESIGN CONNECTIONS FOR THE FOLLOWING FORCES:
   1. NON-COMPOSITE BEAM ENDS: FACTORED SHEAR FORCE OF 50% OF THE MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE BEAM IN BENDING.
   2. COMPOSITE BEAM ENDS: FACTORED SHEAR FORCE OF 75% OF THE MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE NON COMPOSITE BEAM IN BENDING.
   3. FULL-MOMENT CAPACITY OF SMALLEST MEMBER JOINED FOR MOMENT CONNECTIONS. NOTE "STUB" DENOTES A MOMENT CONNECTION FOR CANTILEVER MEMBER.
   4. FULL CROSS-SECTIONAL CAPACITY OF MEMBER AT SPLICE LOCATIONS.
   5. FOR BEAM TO COLUMN CONNECTIONS, IF NO AXIAL FORCE IS GIVEN, DESIGN CONNECTION TO RESIST A MINIMUM OF 2% OF THE COLUMN AXIAL FORCE (IN ADDITION TO OTHER CONNECTION REQUIREMENTS).
4. DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
5. PROVIDE MINIMUM 10 (3/8") BEAM WEB STIFFENER PLATES (BOTH SIDES) AT ALL CONCENTRATED LOAD POINTS, INCLUDING BEAMS RUNNING OVER OR SUPPORTING COLUMNS.
6. OBTAIN CONSULTANT'S PERMISSION TO SPLICE MEMBERS, OTHER THAN AT LOCATIONS INDICATED ON THE DRAWINGS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR STAIRS, LADDERS, HANDRAILS, PLATFORMS, AND OTHER ELEMENTS NOT DETAILED ON THE STRUCTURAL DRAWINGS.
8. CONNECT HANGERS FOR MECHANICAL AND ELECTRICAL SERVICES AND OTHER NON-STRUCTURAL ELEMENTS NOT TO CAUSE TWISTING OF STEEL MEMBERS OR EXCESSIVE BENDING OF MEMBER FLANGES.
9. DETAIL GUSSET PLATES TO AVOID INTERFERENCES WITH ARCHITECTURAL FINISHES, SHAFT CLEARANCES, MECHANICAL AND ELECTRICAL SERVICES.
10. ALL BOLTS ARE TO BE INSTALLED SNUG-TIGHT, AS DEFINED IN CSA S16.
11. GRIND SMOOTH ALL WELDS AND FLAME-CUT EDGES EXPOSED TO VIEW.
12. PERFORM WELDING IN ACCORDANCE WITH CSA W59 AND CSA-S16 USING WELDERS CERTIFIED BY THE CANADIAN WELDING BUREAU TO CSA W47.1 DIVISION 1 OR 2.
13. REINFORCING OF EXISTING STRUCTURAL STEEL:
    1. CONFORM TO OWNERS' GENERAL SPECIFICATIONS INCLUDING ALL SAFETY REQUIREMENTS.
    2. THIS WORK MUST BE PERFORMED ADJACENT AND AROUND EXISTING PROCESS EQUIPMENT. EXERCISE EXTREME CAUTION AND PROVIDE ALL NECESSARY PROTECTION AS REQUIRED AND APPROVED BY OWNER.
    3. DISCONNECT EXISTING HANGERS, CLAMPS, ETC. AS REQUIRED FOR JOIST/TRUSS REINFORCING AND RE-CONNECT AT COMPLETION OF REINFORCING.
    4. REMOVE PAINT ON STEEL SURFACES TO BE WELDED BEFORE MAKING WELDS, RE-PAINT AFTER WELDING.

M. POST INSTALLED ANCHORS AND DOWELS

1. ALTERNATIVES TO THE SPECIFIED HILTI PRODUCTS OUTLINED IN THE MATERIAL REQUIREMENTS AND DRAWINGS MAY BE ACCEPTED BY THE CONSULTANT PROVIDED:
   1. TESTING DATA IS PROVIDED DEMONSTRATING THAT THEIR PERFORMANCE (INCLUDING CAPACITY IN CRACKED CONCRETE AND CAPACITY REDUCTIONS DUE TO SPACING AND EDGE DISTANCE) IS EQUIVALENT TO THE HILTI PRODUCTS SPECIFIED.
2. CONCRETE TO BE MINIMUM 28 DAYS OLD AT THE TIME OF ANCHOR INSTALLATION.
3. USE DRILLING AND INSTALLATION TOOLS AND PROCEDURES PER MANUFACTURER 'S RECOMMENDATIONS. DO NOT CORE DRILL UNLESS SPECIFICALLY NOTED ON DRAWINGS. HOLE DIAMETERS NOT TO EXCEED THOSE REQUIRED BY MANUFACTURER.
4. WHERE CORE DRILLING IS SPECIFIED, CLEAN AND ROUGHEN HOLES PER MANUFACTURER 'S RECOMMENDATION.
5. ANCHOR AND DOWEL CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND THEIR PROXIMITY TO CONCRETE AND MASONRY EDGES; THEREFORE, ALL ANCHORS MUST BE INSTALLED WITH CLEARANCES AND EDGE DISTANCES INDICATED ON DRAWINGS.
6. DO NOT CUT REINFORCEMENT TO ACCOMMODATE DRILLED ANCHORS AND DOWELS. SCAN THE STRUCTURE TO LOCATE REINFORCEMENT PRIOR TO FABRICATING STRUCTURAL STEEL FASTENED BY DRILLED ANCHORS.
7. UNLESS OTHERWISE NOTED ON DRAWINGS, EMBEDMENT LENGTHS FOR POST-INSTALLED HILTI ANCHORS TO BE:
   1. EXPANSION ANCHORS (HILTI KB-TZ AND HILTI KB-3)
      12mm (1/2"ø: 83mm (3-1/4")
      16mm (5/8"ø: 102mm (4")
      19m (3/4"ø: 121mm (4-3/4")
   2. ADHESIVE ANCHORS INTO CONCRETE OR GROUTED CONCRETE BLOCK WALL (HILTI HIT HY-200 AND HIT HY-70)
      12mm (1/2"ø: 114mm (4-1/2")
      16mm (5/8"ø: 143mm (5-5/8")
      19m (3/4"ø: 171mm (6-3/4")
   3. ADHESIVE ANCHORS INTO HOLLOW CONCRETE BLOCK WALL (HILTI HIT HY-70)
      12mm (1/2"ø: 50mm (2")
   4. ADHESIVE ANCHORS INTO HOLLOW BRICK MASONRY (HILTI HIT HY-70)
      12mm (1/2"ø: 80mm (3-1/8")
8. DO NOT BEND POST INSTALLED DOWELS AND RODS AFTER INSTALLATION.
9. DO NOT WELD TO PLATES FASTENED WITH ADHESIVE ANCHORS AFTER THE ADHESIVE IS PLACED.

Q. GENERAL REVIEW

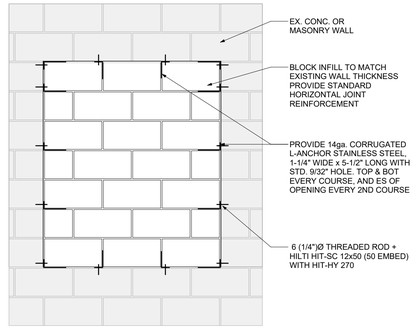
1. WALTERFEDY WILL PERFORM PERIODIC FIELD REVIEWS OF A REPRESENTATIVE SAMPLE OF THE WORK TO CONFIRM THAT THE WORK FOR WHICH WE ARE RESPONSIBLE IS IN GENERAL CONFORMANCE WITH THE DRAWINGS AND SPECIFICATIONS. REFER TO PLANS AND SPECIFICATIONS FOR LOADING AND PERFORMANCE REQUIREMENTS.
2. COOPERATE WITH CONSULTANTS AND INDEPENDENT INSPECTION AND TESTING AGENCIES RETAINED TO PERFORM FIELD REVIEW. PROVIDE ACCESS AND ASSISTANCE AS REQUIRED FOR THE SAFE PERFORMANCE OF THEIR WORK.
3. GENERAL REVIEW OF WORK DESIGNED BY OTHER PROFESSIONAL ENGINEERS (STAMPED SHOP DRAWINGS) IS TO BE PERFORMED BY THE ENGINEER RESPONSIBLE FOR THAT DESIGN. SUBMIT FIELD REVIEW REPORTS TO THE CONSULTANT.
4. PROVIDE REASONABLE NOTICE FOR FIELD REVIEWS AND INSPECTIONS OF COMPLETED WORK, PRIOR TO CONCEALING OR ATTACHING TO THE WORK.
5. FIELD REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR ACCURACY, QUALITY AND CONFORMANCE OF THE WORK WITH THE CONTRACT DOCUMENTS.

R. SUBMITTALS

1. SUBMIT THE FOLLOWING ERECTION AND FABRICATION SHOP DRAWINGS TO THE CONSULTANT FOR REVIEW PRIOR TO FABRICATION:
   1. CONCRETE MIX DESIGN
   2. STEEL ERECTION AND CONNECTION DESIGN
   3. ALL TESTING AND FIELD REPORTS PREFORMED BY OTHERS
2. SHOP DRAWINGS WILL BE REVIEWED SOLELY TO ASCERTAIN GENERAL CONFORMANCE WITH THE DESIGN CONCEPT. THE CONSULTANT'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS AND OMISSIONS IN THE SHOP DRAWING OR RESPONSIBILITY FOR MEETING THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

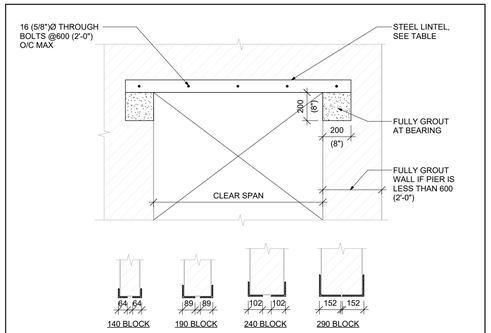
S. INSPECTION AND TESTING

1. AN INDEPENDENT TESTING AND INSPECTION COMPANY WILL BE RETAINED ON BEHALF OF THE OWNER TO PERFORM QUALITY ASSURANCE VERIFICATION OF THE WORK. COORDINATE TESTING AND INSPECTION OF THE WORK, AND ENSURE COPIES OF ALL INSPECTION REPORTS ARE DISTRIBUTED TO THE CONSULTANT AND OWNER IN A TIMELY MANNER.
2. COOPERATE WITH CONSULTANTS AND INDEPENDENT INSPECTION AND TESTING AGENCIES RETAINED TO PERFORM FIELD REVIEW. PROVIDE ACCESS AND ASSISTANCE AS REQUIRED FOR THE SAFE PERFORMANCE OF THEIR WORK.
3. TO ENSURE THAT FIELD REVIEWS OCCUR AT THE APPROPRIATE STAGE OF THE CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE WALTERFEDY WITH A CONSTRUCTION SCHEDULE PRIOR TO STARTING THE WORK, PERIODIC PROGRESS UPDATES, AND AT LEAST 48 HOURS NOTICE FOR SITE VISITS FOR THE FOLLOWING WORK:
   1. PLACEMENT OF INSULATION AND REBAR PRIOR TO POURING CONCRETE.
4. TESTING AND INSPECTION SHALL BE PROVIDED FOR THE FOLLOWING:
   1. REINFORCING STEEL PLACEMENT
   2. PLASTIC CONCRETE PROPERTIES
   3. CONCRETE COMPRESSIVE STRENGTH
5. FIELD REVIEW, TESTING AND INSPECTION DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR ACCURACY, QUALITY AND CONFORMANCE OF THE WORK WITH THE CONTRACT DOCUMENTS.



NOTES:
1. REFER TO ARCH. FOR LOCATION OF BLOCK WALL OPENINGS TO BE INFILLED.

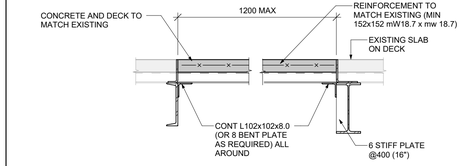
EXISTING MASONRY WALL OPENING INFILL | **TD-M116**



WALL THICKNESS	CLEAR SPAN			
	<=1200 (4'-0")	<=1800 (6'-0")	<=2400 (8'-0")	<=3000 (10'-0")
140 (6")	2-L64x64x6.4	2-L89x64x7.9	2-L89x64x9.5	-
190 (8")	2-L89x89x6.4	2-L102x89x6.4	2-L127x89x7.9	2-L152x89x9.5
240 (10")	2-L102x102x6.4	2-L102x102x7.9	2-L152x102x7.9	2-L178x102x9.5
290 (12")	2-L152x152x6.4	2-L152x152x6.4	2-L152x152x7.9	2-L152x152x9.5

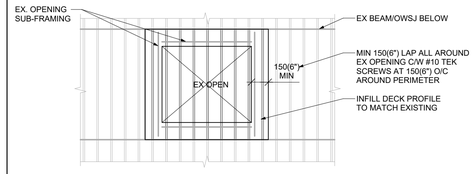
NOTES:
1. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR OPENING LOCATIONS.
2. IF PREFFERED THE TYPICAL DETAIL FOR STANDARD LINTELS IN NEW WALLS CAN BE USED INSTEAD OF THIS DETAIL.
3. GROUT MASONRY AT SUPPORTS PRIOR TO LINTEL INSTALLATION.
4. FOR LINTELS ABUTTING STEEL COLUMNS OR CONCRETE WALLS/COLUMNS REFER TO TYPICAL DETAILS.
5. STEEL LINTELS IN EXTERIOR WALLS TO BE GALVANIZED.
6. PROVIDE STEEL PACKING AS REQUIRED FOR UNIFORM BEARING OF LINTELS.
7. PROVIDE TEMPORARY SHORING AS REQUIRED.

LINTELS FOR EXISTING NON LOAD BEARING WALLS | **TD-M106**



NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS TO BE INFILLED.
2. SITE CONFIRM OPENING SIZE AND FRAMING.

EXISTING CONCRETE ON DECK OPENING INFILL | **TD-S313**



NOTES:
1. REFER TO ARCHITECTURAL/MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS TO BE INFILLED.

EXISTING STEEL DECK OPENING INFILL | **TD-S314**

CONCRETE DESIGN PROPERTIES

ELEMENT	LOCATION	COMPRESSIVE STRENGTH (MPa)	EXPOSURE CLASS	REMARKS
CONCRETE SLAB ON METAL DECK	INTERIOR	25	N-CF	-

NOTES:
1. USE HIGHEST STRENGTH AND MOST-SEVERE EXPOSURE CONDITION WHERE MULTIPLE CONDITIONS ARE APPLICABLE.
2. COMPRESSIVE STRENGTH DENOTED IS A MINIMUM VALUE AT 28 DAYS, UNLESS NOTED OTHERWISE.
3. ALL CONCRETE MIXES TO BE PROPORTIONED AS NORMAL DENSITY CONCRETE, UNLESS NOTED OTHERWISE.
4. TABULATED VALUES REPRESENT THE MINIMUM COMPRESSIVE STRENGTH REQUIREMENT, REFER TO WALL ELEVATIONS AND COLUMN SCHEDULES FOR ADDITIONAL DESIGN STRENGTH REQUIREMENTS.
5. NOMINAL AGGREGATE SIZE IS 20mm (3/4") UNLESS NOTED OTHERWISE. LIMIT NOMINAL MAXIMUM AGGREGATE SIZE TO 10 (3/8") FOR COLUMNS WITH SMALLEST DIMENSION LESS THAN 300 (12 ") AND FOR WALLS LESS THAN 200 (8 ") THICK.
6. WHERE CORROSION INHIBITER IS NOTED, MINIMUM DOSAGE IS 10L/m3 OF 30% SOLUTION OF CALCIUM NITRITE, AS PER CSA-S413.

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4	ISSUED FOR 90% CD	2026-09-29
5	ISSUED FOR TENDER	2026-11-05

CLIENT

UNIVERSITY OF WATERLOO

PROJECT

CARL A. POLLOCK HALL 3RD & 4TH FLOOR REFRESH

200 UNIVERSITY AVE W, WATERLOO, ON N2L 3G1

TITLE

GENERAL NOTES, TABLES AND TYPICAL DETAILS

WALTERFEDY

TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON

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SEAL

LICENSED PROFESSIONAL ENGINEER
R.A. MOTTOLA
100154028
2024-07-11
2026-11-06
PROVINCE OF ONTARIO

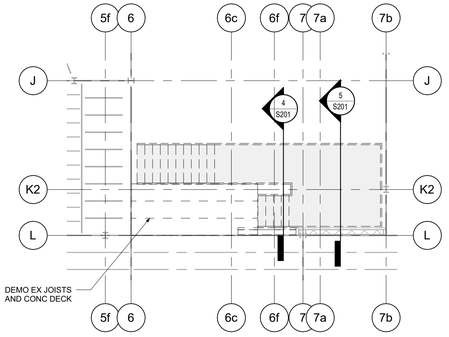
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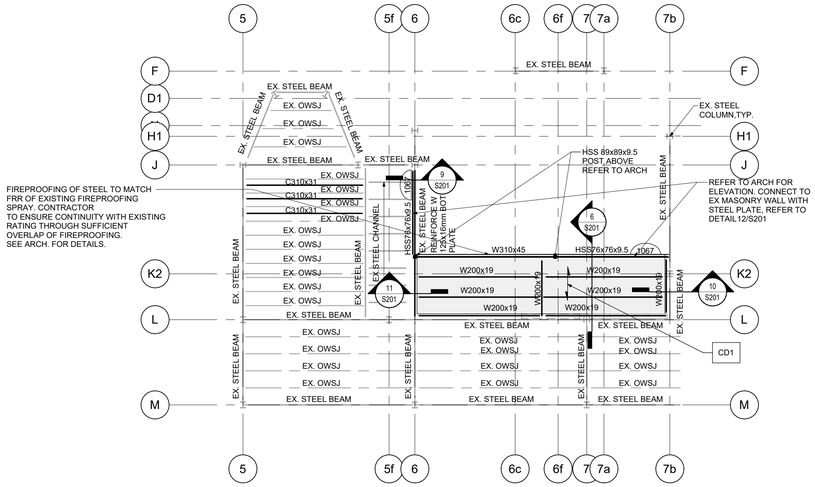
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S001



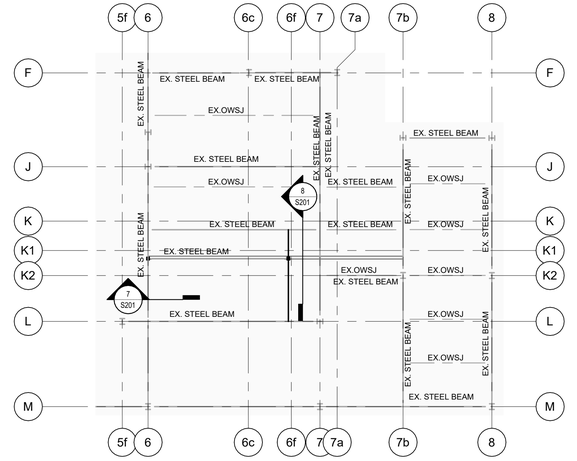
1 S201 STAIR DEMOLITION-FOURTH FLOOR PART PLAN
Scale: 1 : 100



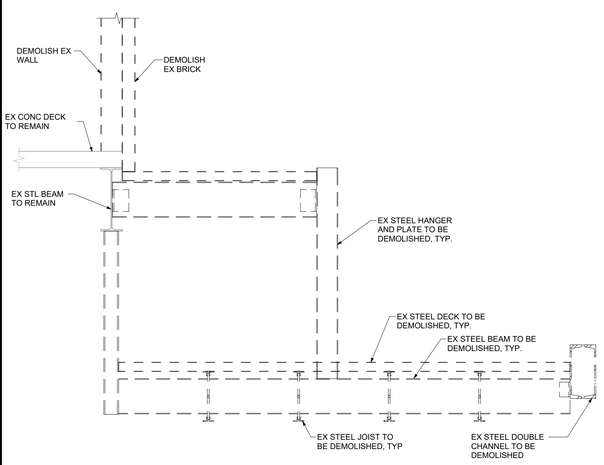
2 S201 S3 FACULTY AND STUDENT LOUNGE - FOURTH FLOOR FRAMING PART PLAN
Scale: 1 : 100

LEVEL 4 PLAN NOTES

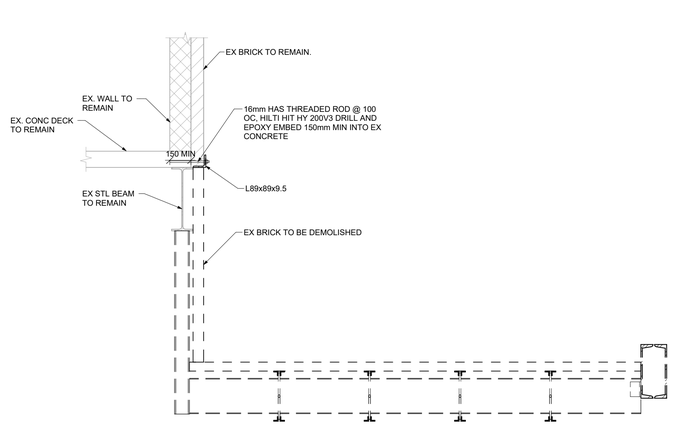
1. LEVEL 4 FLOOR DATUM ELEVATION = 0.000
2. SEE GENERAL NOTES AND TYPICAL DETAILS ON DRAWINGS S001
3. UNLESS OTHERWISE NOTED ON PLAN, FLOOR DESIGN LOADS ARE:
   1. LIVE LOAD (LL) = 4.8 kPa
   2. SUPERIMPOSED DEAD LOAD (SDL) = 0.5 kPa
   3. SELFWEIGHT (SWT) = 1.9 kPa
4. STEEL FLOOR SYSTEM:
   1. TOP OF SLAB ON DECK IS +/-89 FROM FLOOR DATUM ELEVATION EXCEPT WHERE CROSSED AND NOTED +/-X ON PLAN.
   2. 'CD1' ON PLAN DENOTES 51 CONCRETE SLAB OVER 38 GALVANIZED COMPOSITE STEEL DECK, MIN C.N.T.= 0.91 (89 TOTAL ASSEMBLY). REINFORCED WITH 152x152 WWM.
   3. TOP OF STEEL BEAMS AND JOISTS ARE AT UNDERSIDE OF STEEL DECK.
   4. WHERE BEAMS ARE NOTED +/-X, X IS THE DISTANCE FROM THE TOP OF THE BEAM TO FLOOR DATUM.



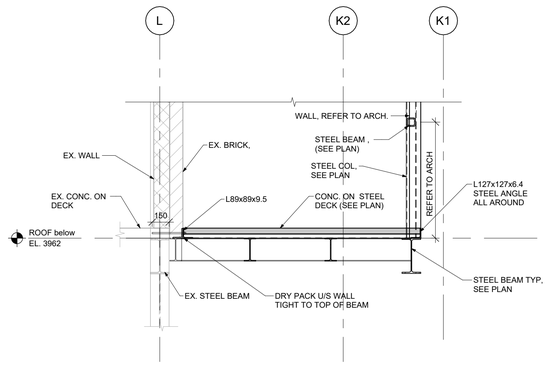
3 S201 ROOF FRAMING PART PLAN
Scale: 1 : 100



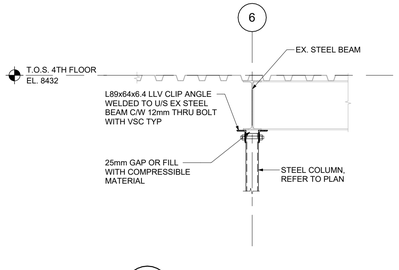
4 S201 EX. STEEL SUPPORT FOR STAIR - DEMOLISH SECTION
Scale: 1 : 20



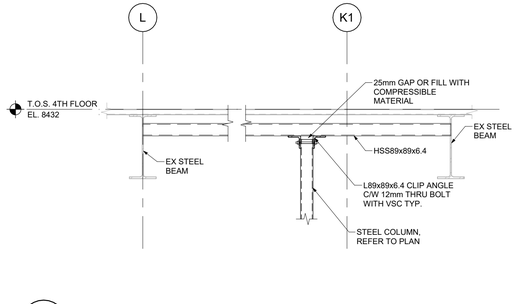
5 S201 EX. STEEL SUPPORT FOR STAIR - SECTION
Scale: 1 : 20



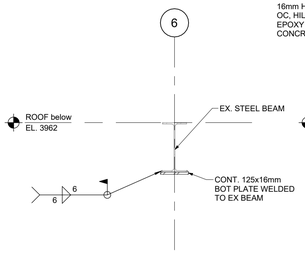
6 S201 SECTION
Scale: 1 : 25



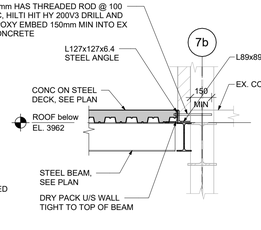
7 S201 SECTION
Scale: 1 : 20



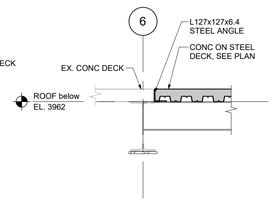
8 S201 SECTION
Scale: 1 : 20



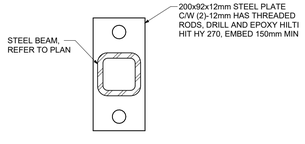
9 S201 SECTION
Scale: 1 : 20



10 S201 SECTION
Scale: 1 : 20



11 S201 SECTION
Scale: 1 : 20

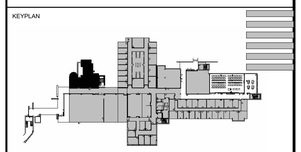


12 S201 DETAIL
Scale: 1 : 5

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KEYPLAN



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TITLE

FRAMING PART PLANS AND SECTIONS

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