



## **Addendum # 1**

**Bid Opportunity: 25-7736-RFT**

**Waterloo-Oxford District Secondary School**

**ACE Classroom & Science Classroom Renovations**

**Closing Date: Thursday, April 17, 2025 2:00 PM**

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The following issued by the Board shall form part of the Bid / Proposal Solicitation document. The revisions and additions noted herein along with any attachments shall be read in conjunction with all other related documents. This Addendum shall, take precedence over the previously issued documents where differences occur. Receipt of this addendum must be acknowledged in the Bidding System, bids&tenders.

If you have already submitted a Bid / Proposal, it will be automatically withdrawn as a result of this addendum. You must resubmit the Bid / Proposal acknowledging all addenda and revising your Bid / Proposal to comply with all addenda.

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THIS ADDENDUM CONSISTS OF:

- .1 COVER PAGE (1 PAGES)
- .2 ARCHITECTURAL ADDENDUM #1 (3 PAGES)
- .3 ARCHITECTURAL DRAWINGS (15 PAGES)
- .4 STRUCTURAL ADDENDUM #1 (2 PAGES)
- .5 MECHANICAL/ ELECTRICAL ADDENDUM 01 (8 PAGES).

## 1.1 ARCHITECTURAL SPECIFICATIONS

### .1 Woodwork Details

- .1 REPLACE Woodwork Detail AW221A with Woodwork Detail AW221AR, attached.
- .2 REPLACE Woodwork Detail AW242A with Woodwork Detail AW242AR, attached.
- .2 ADD Woodwork Details AW333A and AW334A, attached.

### .2 Section 10 90 00 Miscellaneous Specialties

#### .1 ADD Article 2.1.3 as follows:

- .3 Double-sided Fume Hood: Provide Sigma Systems, two-sided fume hoods #7221002 by Mott Lab Inc., where indicated on Drawings and as follows:
  - .1 type: constant volume, restricted by-pass
  - .2 class: B
  - .3 size: WxDxH – 1200mm x 760mm x 1378mm (47" x 30" x 54.25")
  - .4 interior lining: FRP fiberglass reinforced plastic liner
  - .5 work surface: 32mm (1.25" thick) epoxy resin, 6mm (0.25") dished
  - .6 equipment: cold water goose-necked faucet, double gas turret, double faced duplex AC receptacle, 76mm x 230mm (3" x 9"), moulded epoxy resin cup sink, \* light fixture with safety glass panel
  - .7 services: pre-plumb, pre-wire for single point connections on site by Divisions 21, 26
  - .8 exterior: chemical resistant, epoxy/ urethane powder coat on galvanized steel
  - .9 front/ grille(s): stainless steel
  - .10 slide up doors: 6mm (0.25") tempered glass in stainless steel frame
  - .11 base: WxDxH – 1200mm x 560mm x 883mm (47" x 22" x 34.75"), two locked solid hinged doors; #1531011 by Mott Lab Inc.

#### .2 ADD Article 3.3.3 as follows:

- .3 Fume Hood: In SCIENCE LAB 208, in location shown on Drawings.

## 1.2 ARCHITECTURAL DRAWINGS

- .1 Drawing A0.01 Building Elements, Schedules, OBC Data, Typical Details, Abbreviations & General Notes
  - .1 REPLACE DRAWING A0.01 WITH DRAWING A0.01R, ATTACHED.
- .2 Drawing A1.01 Demolition Floor Plan
  - .1 REPLACE DRAWING A1.01 WITH DRAWING A1.01R, ATTACHED.
- .3 Drawing A1.01A Demolition Floor Plan – Floor Slab/ Trench Removals
  - .1 ADD DRAWING A1.01A – DEMOLITION FLOOR PLAN – FLOOR SLAB/ TRENCH REMOVALS, ATTACHED.
- .4 Drawing A2.01 Overall Floor Plan
  - .1 REPLACE DRAWING A2.01 WITH DRAWING A2.01R, ATTACHED.
- .5 Drawing A2.02 Enlarged Floor Plan
  - .1 REPLACE DRAWING A2.02 WITH DRAWING A2.02R, ATTACHED.
- .6 Drawing A2.03 Enlarged Floor Plan
  - .1 REPLACE DRAWING A2.03 WITH DRAWING A2.03R, ATTACHED.
- .7 Drawing A3.01 Reflected Ceiling Plan
  - .1 REPLACE DRAWING A3.01 WITH DRAWING A3.01R, ATTACHED.
- .8 Drawing A7.01 Interior Elevations
  - .1 REPLACE DRAWING A7.01 WITH DRAWING A7.01R, ATTACHED.

.9 Drawing A7.02 Interior Elevations

.1 REPLACE DRAWING A7.02 WITH DRAWING A7.02R,  
ATTACHED.

.10 Drawing A7.04 Interior Elevations

.1 REPLACE DRAWING A7.04 WITH DRAWING A7.04R,  
ATTACHED.

.11 Drawing A7.05 Interior Elevations

.1 REPLACE DRAWING A7.05 WITH DRAWING A7.05R,  
ATTACHED.

### 1.3 STRUCTURAL

.1 Refer to Structural Addendum #1 issued by MTE Consultants, dated April 1, 2025 (2 pages).

### 1.4 MECHANICAL/ ELECTRICAL

.1 Refer to Addendum 01 issued by MNE Engineering Ltd., dated April 4, 2025 (8 pages).

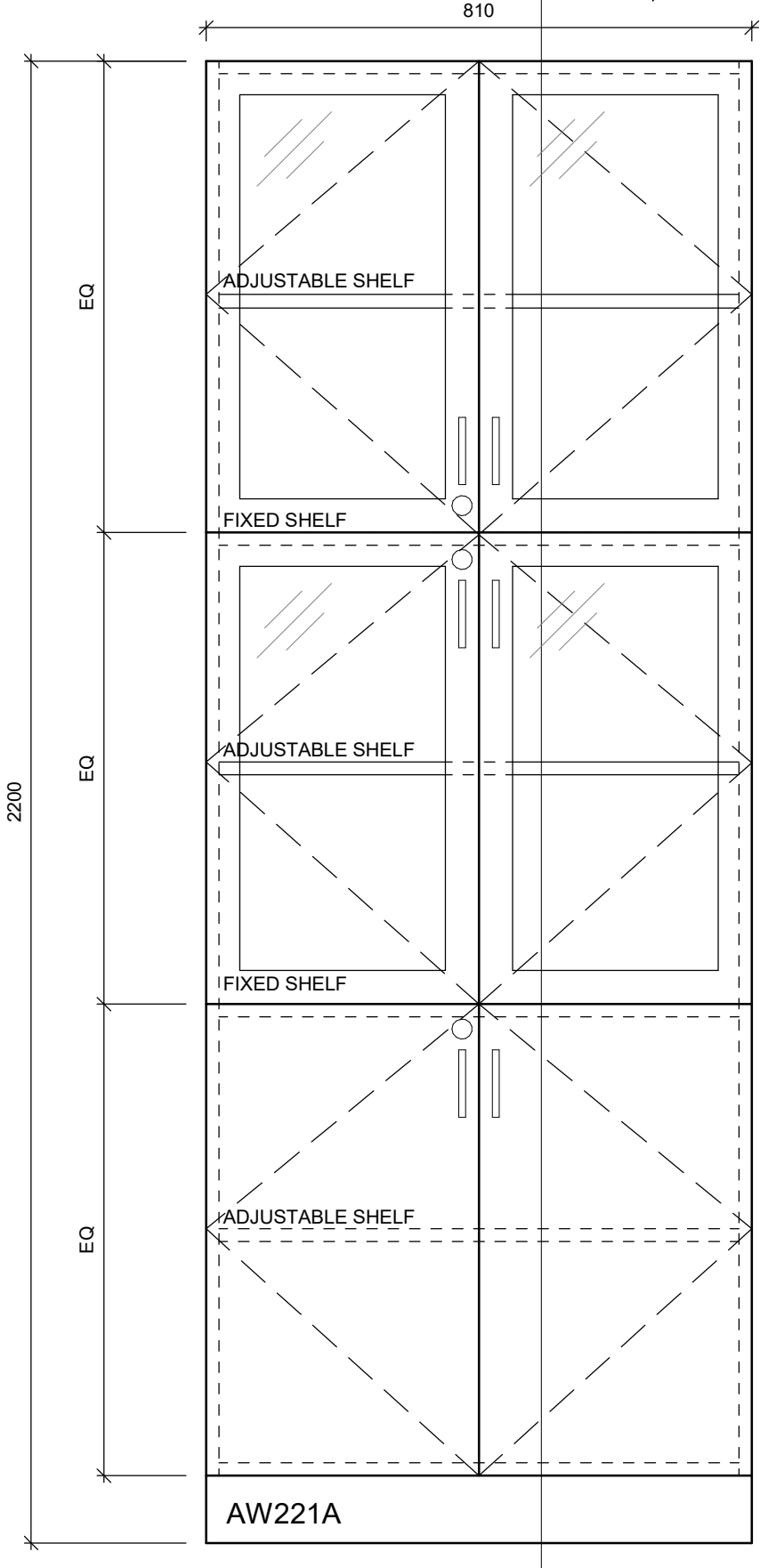
**END OF ADDENDUM # 1**



REFER TO SPECIFICATIONS FOR  
LOCK REQUIREMENTS



AW242A



0 100 200 500mm  
1:10

# Waterloo-Oxford District Secondary School

1206 Snyder's Rd W, Baden, ON N3A 1A4

ACE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS

BIOLOGY LAB CABINETRY - ELEVATION

Project No.:  
1128B

Plot Date:  
04/09/25

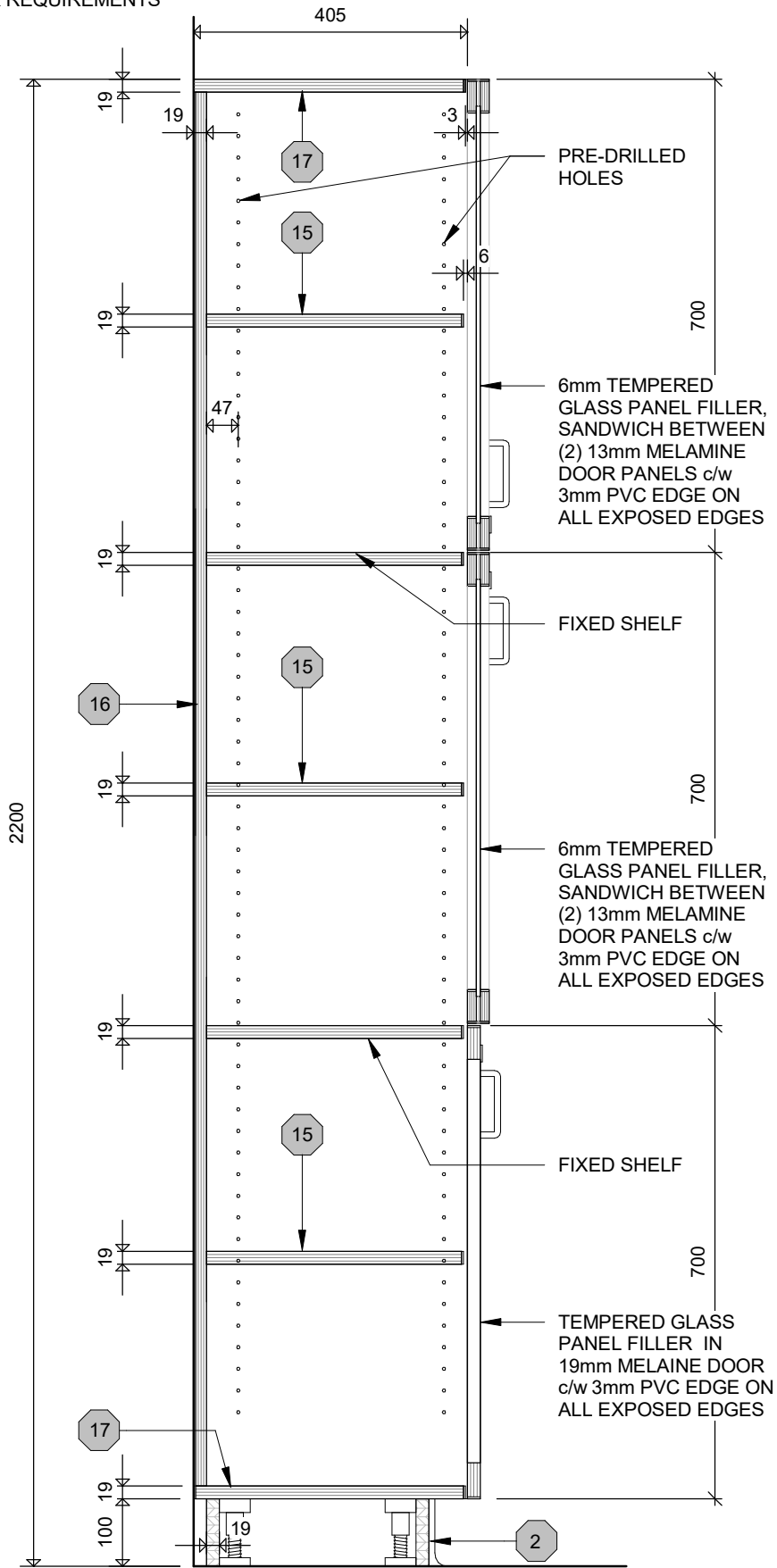
AW221AR

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ARCHITECTURE

REFER TO SPECIFICATIONS  
FOR LOCK REQUIREMENTS



# Waterloo-Oxford District Secondary School

1206 Snyder's Rd W, Baden, ON N3A 1A4

ACE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS

Project No.:  
**1128B**

## BIOLOGY LAB CABINETRY - SECTION

Plot Date:

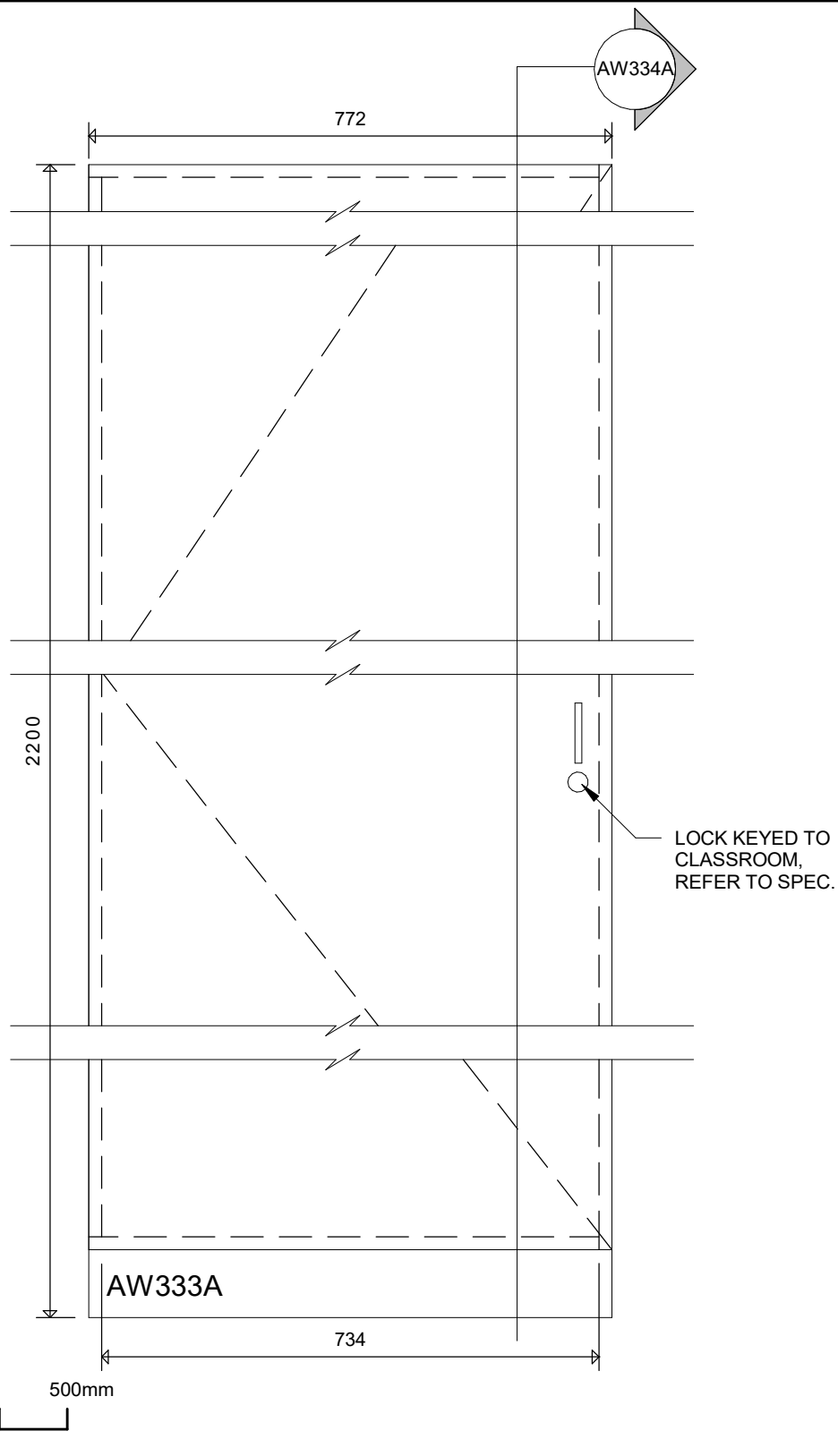
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**AW242AR**



# Waterloo-Oxford District Secondary School

1206 Snyder's Rd W, Baden, ON N3A 1A4

ACE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS

UTILITY CLOSET - ELEVATION

Project No.:

1128B

Plot Date:

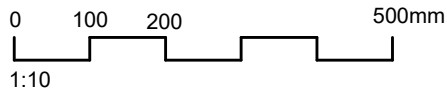
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**AW333A**



AW334A



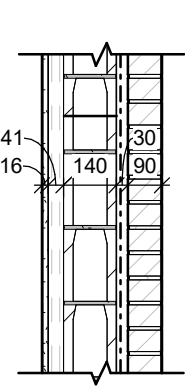
## WALL ASSEMBLY LEGEND

- NOTES:
- THESE WALL TYPES ARE APPLICABLE TO TYPICAL WALL CONDITIONS ON ALL FLOOR PLANS. THERE ARE EXCEPTIONS THAT ARE NOTED/ DETAILED IN THESE DOCUMENTS.
  - ALL WALL HEIGHTS ARE TO UNDERSIDE OF STRUCTURE ABOVE (BOTTOM CHORD, METAL DECK, ETC...) UNLESS NOTED OR DETAILED OTHERWISE.
  - WHERE INDICATED ON FLOOR PLAN CONSTRUCTION MATERIALS / WALL ASSEMBLY TO COMPLY WITH REQUIRED FIRE RESISTANCE RATING. JOINTS TO BE SEALED CONTINUOUS AND BE FIRE STOPPED TO PREVENT THE PASSAGE OF SMOKE.
  - REPAIR EXISTING WALLS WHERE REQUIRED. MAKE GOOD TO RECEIVE NEW MATERIALS AND FINISHES. REFER TO ROOM FINISH SCHEDULE.
  - WHERE EXISTING WALL CONSTRUCTION IS BEING IN-FILLED WITH NEW WALL CONSTRUCTION, THE FACE OF NEW WALL FINISHES ARE TO ALIGN WITH THE FACE OF THE EXISTING WALL FINISHES.
  - ALL CONCRETE BLOCK WALL FIRE RESISTANCE RATINGS ARE CALCULATED USING OBC SB-2 TABLE 2.1.1. REFER TO THE ULC DESIGN NUMBER OF ALL OTHER PARTITIONS UNLESS NOTED OTHERWISE.

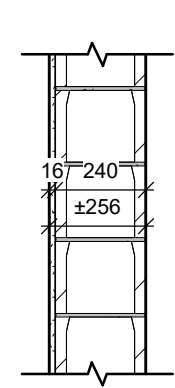
FIRE RESISTANCE RATING CALCULATIONS FOR WALLS  
CONSTRUCTED OF CONCRETE MASONRY UNITS

REFERENCE OBC SB-2 TABLE 2.1.1.

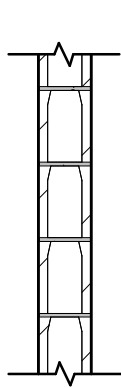
TAG	SIZE	TYPE	EQUIV. THICK.	PROVIDED FRR	REQUIRED FRR
CB-2 CB-2a	140 CMU	N	73mm	1 HOUR	30 MIN (MAX.)
CB-3	190 CMU	N	95mm	1.5 HOUR	30 MIN (MAX.)
CB-1 GB-1 (EXIST)	240 CMU (EXIST)	N	113mm	2.0 HOUR	30 MIN (MAX.)



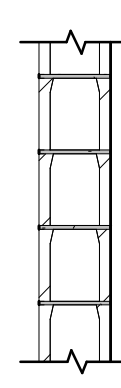
- EXTERIOR CONCRETE BLOCK WALL INFILL**
- EX-1**
- 90mm BRICK, COURSING AND MORTAR JOINTS TO MATCH EXIST.
  - 30mm AIR SPACE
  - SELF-ADHERING AIR/VAPOUR BARRIER
  - 140mm CONCRETE BLOCK, COURSING AND MORTAR JOINTS TO MATCH EXISTING
  - 41mm METAL STUDS @ 400mm O.C. MAX SPACING
  - 16mm GYP. BD
- TOOTH-IN CONCRETE BLOCK AND BRICK MASONRY UNITS TO MATCH EXISTING



- INTERIOR CONCRETE BLOCK WALL INFILL**
- CB-1**
- 16mm IMPACT RESISTANT GYP. BD, ONE SIDE (ALIGN FACE WITH EXISTING WALL FINISH), ON
  - 30mm AIR SPACE
  - 190mm CONCRETE BLOCK
- TOOTH-IN CONCRETE BLOCK TO MATCH EXISTING SIZE AND MORTAR JOINTS



- INTERIOR NON-LOAD BEARING CONCRETE BLOCK WALL**
- CB-2**
- 140mm CONCRETE BLOCK
- INTERIOR NON-LOAD BEARING CONCRETE BLOCK WALL**
- CB-2a**
- 140mm CONCRETE BLOCK
  - 16mm IMPACT RESISTANT GYP. BD.

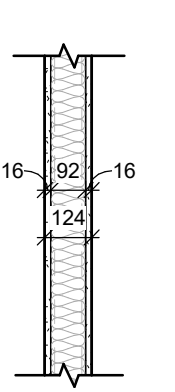


- INTERIOR NON-LOAD BEARING CONCRETE BLOCK WALL**
- CB-3**
- 190mm CONCRETE BLOCK

## INTERIOR GYPSUM FURR OUT

- GB-1**
- 16mm IMPACT RESISTANT GYP. BD, ON
  - EXISTING CONCRETE BLOCK

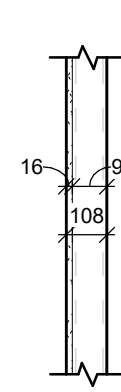
ALIGN FACE OF GYP. BD WITH EXIST. WALL FINISH

INTERIOR METAL STUD PARTITION  
0-HOUR FIRE RATING

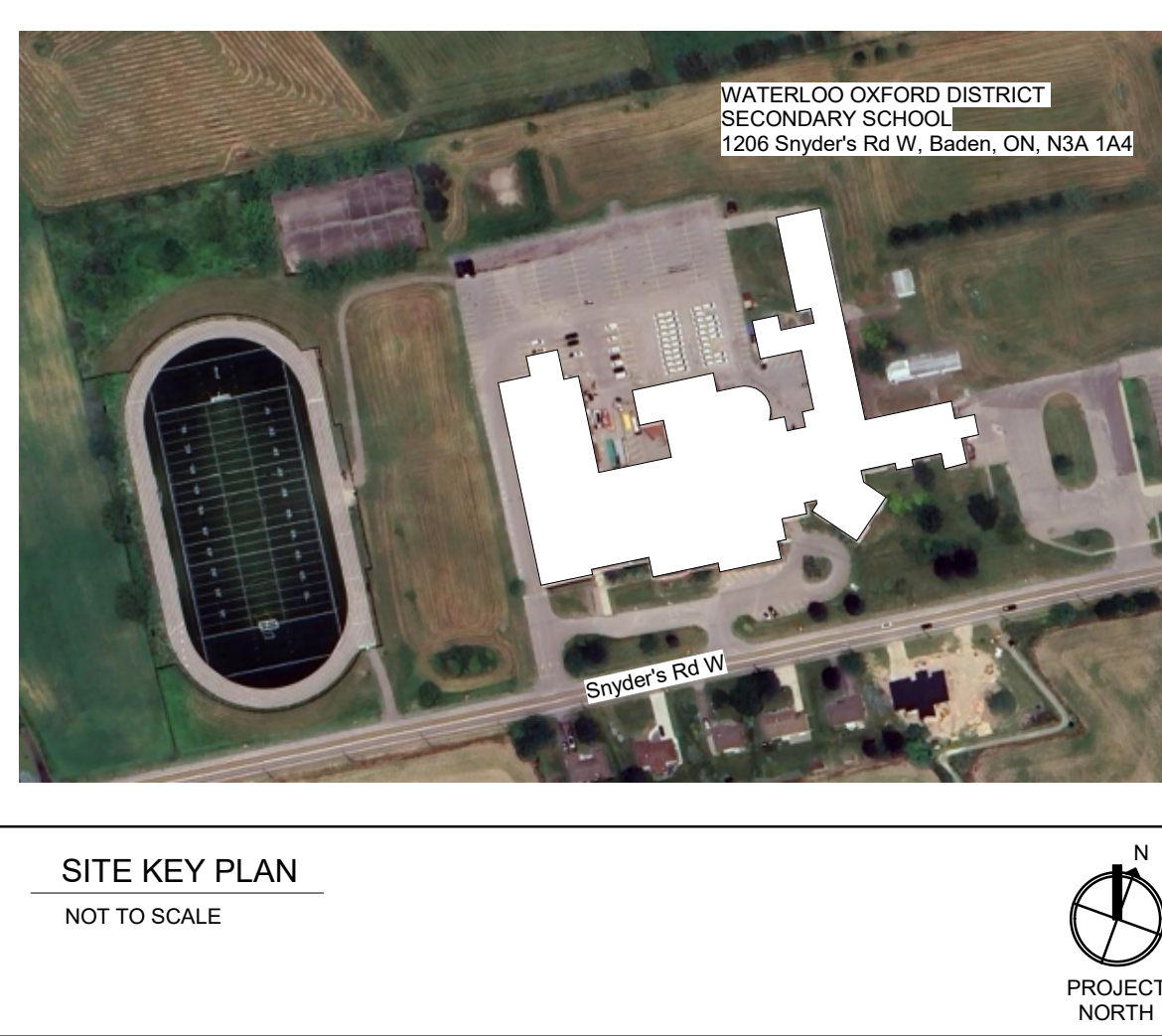
- MS-1**
- 16mm IMPACT RESISTANT GYP. BD, BOTH SIDES, ON
  - 92mm METAL STUDS @ 400mm O.C. MAX SPACING
  - 89mm SOUND BATT INSULATION



- MS-1a**
- INTERIOR METAL STUD PARTITION 30 MIN. FIRE RATING - ULC DESIGN NO. W424
  - SAME AS ABOVE EXCEPT SUBSTITUTE 16mm IMPACT RESISTANT GYP. BD. WITH 16MM TYPE-X GYP. BD, BOTH SIDES



- INTERIOR METAL STUD PARTITION**
- MS-2**
- 16mm IMPACT RESISTANT GYP. BD, ON
  - 92mm METAL STUD FRAMING @ 400mm O.C. MAX SPACING



## SITE KEY PLAN

NOT TO SCALE



## ROOM FINISH SCHEDULE

## LEGEND

ACT	ACOUSTIC TILE	CONC.	POURED CONCRETE	FF	FLOOR FINISH	RB	RUBBER BASE	WM	WALL MATERIAL
CB	CONCRETE BLOCK	CT	CERAMIC TILE	FM	FLOOR MATERIAL	RSF	RESILIENT SHEET FLOORING	-	NOT APPLICABLE
CF	CEILING FINISH	EX	EXISTING	GB	GYPSUM BOARD	TERR	TERRAZZO		
CM	CEILING MATERIAL	EXP	EXPOSED	P	PAINT	WF	WALL FINISH		

## NOTES:

- COORDINATE THIS SCHEDULE WITH REFLECTED CEILING PLAN, INTERIOR ELEVATIONS, AND FLOOR PLANS.
- PAINT BOTH SIDES OF ALL NEW AND EXISTING METAL DOORS AND FRAMES ON ALL WALLS RECEIVING NEW PAINT FINISH. COLOUR TO BE SELECTED BY THE ARCHITECT.
- ONLY PAINT EXISTING PAINTED SURFACES ON WALLS TO RECEIVE NEW PAINT FINISH.
- ALL CEILINGS NOTED TO BE EXPOSED (EXP) ARE TO BE PAINTED ENTIRELY INCLUDING DUCTWORK, PIPING, CONDUIT, STRUCTURE, METAL DECK, SPRAY APPLIED FIRE PROOFING, ETC. COLOUR TO BE SELECTED BY THE ARCHITECT.

NO.	ROOM NAME	FM	FF	BASE	WM	WF	EAST	NORTH	SOUTH	WEST	WM	WF	CM	CF	REMARKS
200F	AV OFFICE	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	ACT	-	
201	ACE LIFESKILLS CLASSROOM	EX	RSF	RB	EX	P	EX	P	EX	P	EX	P	ACT/GB	- / P	
201A	LIFESKILLS SERVRY	EX	RSF	RB	GB/CT	P/-	EX	P	EX	P	EX	P	ACT/GB	- / P	
202	INTERMEDIATE SCIENCE LAB	EX/CONC	RSF	RB	EX	P	CB	P	EX	P	EX	P	ACT/GB	- / P	
203	ACE DEV ED CLASSROOM	EX	RSF	RB	EX	P	CB/CT	P/-	EX/GB	P	EX	P	ACT/GB	- / P	
203A	VESTIBULE	EX	RSF	RB	EX	P	EX	P	EX	P	EX	P	ACT	-	
203B	UNIV. WR	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	ACT	-	
203C	QUIET RM	EX	RSF	RB	GB	P	EX	P	EX	P	EX	P	ACT/GB	- / P	
203D	QUIET RM	EX	RSF	RB	GB	P	EX	P	EX	P	EX	P	ACT/GB	- / P	
204	INTERMEDIATE SCIENCE LAB	EX/CONC	RSF	RB	EX	P	CB	P	EX/GB	P	CB	P	ACT/GB	- / P	
204A	SCIENCE OFFICE	EX	RSF	RB	EX	P	EX/GB	P	EX	P	CB	P	ACT/GB	- / P	
205	ACE OFFICE	EX	RSF	RB	EX	P	CB	P	EX	P	CB	P	ACT/GB	- / P	
206	PREP ROOM	EX	EX	EX/RB	EX	P	EX	P	EX	P	EX/GB	P	ACT/GB	- / P	
207	RESOURCE RM	EX	RSF	RB	EX	P	CB	P	EX	P	CB	P	ACT/GB	- / P	
208	SCIENCE LAB	EX	EX	EX	EX	P	EX	P	EX	P	EX	P	EX	-	
209	BIOLOGY LAB	EX/CONC	RSF	RB	EX/GB	P	EX	P	EX	P	EX/GB	P	ACT/GB	- / P	
515C	MEZZANINE	EX	EX	EX	EX	P	EX	P	EX	P	EX	P	EXP	P	SEE SCHEDULE LEGEND NOTE 4
802	CORRIDOR	EX	EX/TERR	EX/TERR	EX/GB	P	EX	P	EX/GB	P	EX	P	EX/ACT/GB	- / P	PATCH FLOOR WHERE LOCKERS WERE REMOVED, PROVIDE NEW TERRAZZO BASE
802A	VESTIBULE	EX	EX/PT	EX	EX	EX	EX	EX	EX	EX	EX	EX	EXP	-	REPAIR DAMAGED PORCELAIN TILE
803	CORRIDOR	EX	EX	EX	EX	EX	EX	P	EX	EX	EX	EX	EX	-	PAINT WHERE DOOR FRAME IS REMOVED

## DOOR &amp; FRAME SCHEDULE

## LEGEND

DE	DOOR ELEVATION	FD	FRAME DETAIL	FRR	FIRE RESISTANCE RATING	P	PAINT	TEMP	TEMPERED
DF	DOOR FINISH	FE	FRAME ELEVATION	H	HEIGHT	PDO	POWER DOOR OPERATOR	W	WIDTH
DM	DOOR MATERIAL	FF	FRAME FINISH	HM	HOLLOW METAL	S&V	STAIN AND VARNISH	WD	WOOD
EX	EXISTING	FM	FRAME MATERIAL	min.	MINUTE	T	THICKNESS	-	NOT APPLICABLE

## NOTES:

- SITE CONFIRM DIMENSIONS OF ALL NEW DOORS AND FRAMES

NO.	SIZE	DOOR	DM	DF	GLASS	LABEL (FRR)	HEAD SIZE	FE	FD	FM	FF	HANDLE	HARDWARE CLOSER	LOCK	REMARKS
201-1	915x2134x45	DE-2	HM	P	TEMP	-	50 mm	FE-1	FD-1	HM	P	LEVER	YES	YES	PROVIDE NEW PDO
202-1	915x2134x45	DE-2	HM	P	TEMP	30 min.	50 mm	FE-1	FD-1	HM	P	LEVER	YES	YES	
202-2	965x2134x45	DE-2	HM	P	TEMP	30 min.	50 mm	FE-1	FD-2	HM	P	LEVER	YES	YES	
203-1	915x2134x45	DE-2	HM	P	TEMP	-	50 mm	FE-1	FD-1	HM	P	LEVER	YES	YES	PROVIDE NEW PDO
203A-1	915x2134x45	DE-2	HM	P	TEMP	-	50 mm	FE-1	FD-1	HM	P	LEVER	YES	YES	PROVIDE NEW PDO
203B-1	915x2134x45	DE-1	HM	P	-	-	50 mm	FE-1	FD-3	HM	P	LEVER	YES	YES	PROVIDE NEW PDO
203C-1	965x2134x45	DE-6	HM	P	TEMP	-	50 mm	FE-2	FD-3	HM	P	LEVER	NO	NO	
203D-1	965x2134x45	DE-6	HM	P	TEMP	-	50 mm	FE-2	FD-3	HM	P	LEVER	NO	NO	
204-1	965x2134x45	DE-2	HM	P	TEMP	30 min.	50 mm	FE-1	FD-2	HM	P	LEVER	YES	YES	
204-2	965x2134x45	DE-2	HM	P	TEMP	30 min.	50 mm	FE-1	FD-2	HM	P	LEVER	YES	YES	
204A-1	965x2134x45	DE-2	HM	P	TEMP	-	-	FE-1	FD-2	HM	P	LEVER	NO	YES	
205-1	915x2134x45	DE-2	HM	P	TEMP	-	-	EX	-	EX	P	LEVER	NO	YES	NEW DOOR IN EXIST. FRAME
206-1	915x2134x45	DE-2	HM	P	TEMP	30 min.	50 mm	EX	-	EX	P	LEVER	NO	YES	NEW DOOR IN EXIST. FRAME
207-1	965x2134x45	DE-2	HM	P	TEMP	-	-	FE-1	FD-2	HM	P	LEVER	NO	YES	
208-1	915x2134x45	DE-2	HM	P	TEMP	30 min.	-	EX	-	EX	P	LEVER	YES	YES	NEW DOOR IN EXIST. FRAME
208-2	915x2134x45	DE-2	HM	P	TEMP	30 min.	-	EX	-	EX	P	LEVER	YES	YES	NEW DOOR IN EXIST. FRAME
208-3	760x2134x45	DE-1	HM	P	-	-	50 mm	EX	-	EX	P	LEVER	NO	YES	NEW DOOR IN EXIST. FRAME
209-1	915x2134x45	DE-2	HM	P	TEMP	30 min.	50 mm	FE-1	FD-1	HM	P	LEVER	YES	YES	
209-2	760x2134x45	DE-1	HM	P	-	-	-	EX	-	EX	P	LEVER	NO	YES	NEW DOOR IN EXIST. FRAME
209-3	860x2134x45	EX	EX	P	-	-	-	EX	-	EX	P	EX	EX	EX	

## GENERAL NOTES

THIS LEGEND IS APPLICABLE TO ALL DRAWINGS

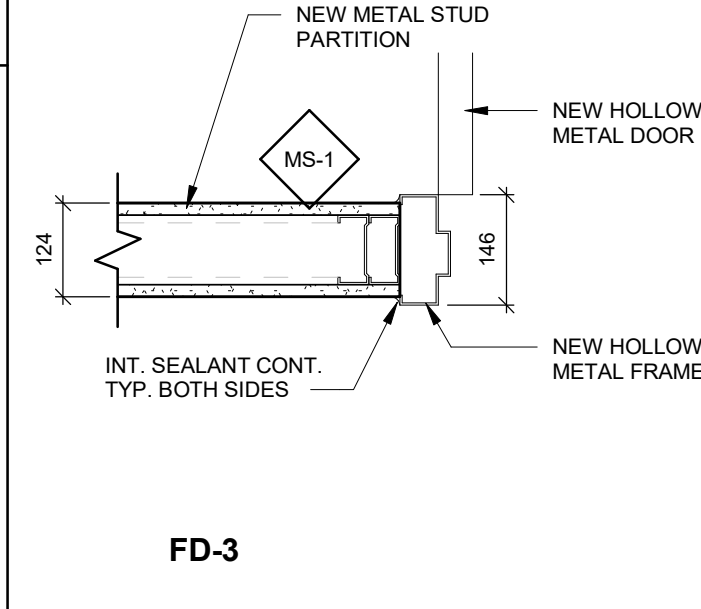
- CONTRACTOR TO VERIFY DIMENSIONS ON SITE AND REPORT ALL DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING.
- REFER TO FLOOR PLANS FOR FIRE SEPARATION LOCATIONS CARRY ALL PARTITIONS TO UNDERSIDE OF STRUCTURAL METAL DECK UNLESS NOTED OR DETAILED OTHERWISE.
- FIRE STOP ALL JOINTS AND PENETRATIONS IN FIRE SEPARATIONS.
- INTERIOR DIMENSIONS ARE FROM FACE OF WALL FINISH TO FACE OF WALL FINISH.
- ALL CONCRETE BLOCK TO BE LIGHT WEIGHT.
- PROVIDE SOLID WOOD BLOCKING BEHIND ALL WASHROOM AND SERVRY ACCESSORIES & DOOR HARDWARE IN METAL STUD PARTITIONS.
- INFILL ALL EXISTING MECHANICAL OPENINGS WITH NEW BLOCK TO MATCH EXISTING. COORDINATE WITH MECHANICAL DEMOLITION PLANS.
- USE MOISTURE RESISTANT GMMB IN ALL WASHROOMS, SHOWER ROOMS, AND KITCHEN AREAS.
- ALL INTERIOR CONCRETE BLOCK CORNERS TO BE BULLNOSED. TYPICAL AT ALL LOCATIONS UNLESS NOTED OTHERWISE.
- ALL WALLS TO BE CONSTRUCTED AS 0-HOUR FIRE SEPARATIONS UNLESS NOTED OTHERWISE.
- ALL PARTITIONS TO CARRY OVER OPENINGS UNLESS NOTED OTHERWISE.
- CONTRACTOR TO RESTORE ALL AREAS DISTURBED BY CONSTRUCTION.
- TOOTH-IN NEW MASONRY UNITS WITH EXISTING MASONRY UNITS. MASONRY UNIT SIZE AND JOINTS TO MATCH EXISTING MASONRY UNITS.
- ALL DOORS INSTALLED 100mm FROM WALL ON HINGE SIDE UNLESS DETAILED OTHERWISE.

## ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	EXIST	EXISTING
ALUM	ALUMINUM	EXT	EXTERIOR
ARCH	ARCHITECTURAL	FEX	FIRE EXTINGUISHER
ACT	ACOUSTIC CEILING TILE	F	FRIDGE (OWNER SUPPLIED)
AV	AIR/VAPOUR BARRIER	FG	FLOOR GRILLE
B.F.	BARRIER FREE	FIN	FINISH
BLKHD	BULKHEAD	GB	GRAB BAR
CB	CONCRETE BLOCK	GMMB	GLASS MAT GYPSUM BOARD
CLG	CEILING	GYP BD	GYPSUM BOARD
CONC	CONCRETE	HM	HOLLOW METAL
CONT	CONTINUOUS	INSUL	INSULATION
c/w	COMPLETE WITH	LKR	LOCKER
D	DRYER	MECH	MECHANICAL
DIA	DIAMETER	MFG	MANUFACTURER
D.F.	DRINKING FOUNTAIN	MICRO	MICROWAVE (OWNER SUPPLIED)
DW	DISH WASHER	MIN	MINIMUM
DWG	DRAWING	MIRR	MIRROR
ECS	EMERGENCY CALL SYSTEM	mm	MILLIMETRES
ELEC	ELECTRICAL	MW	MILLWORK
EP	ELECTRICAL PANEL	N.I.C	NOT IN CONTRACT

NOTES, LEGENDS, &amp; ABBREVIATIONS ARE APPLICABLE TO ALL DRAWINGS

O.C	ON CENTRE
PDO	POWER DOOR OPERATOR
PREFIN	PREFINISHED
RFHC	RECESSED FIRE HOSE CABINET
RD	ROOF DRAIN
RTU	ROOF TOP UNIT
RWL	RAIN WATER LEADER
SND	SANITARY NAPKIN DISPENSER
SPEC	SPECIFICATIONS
STL	STEEL
STRUC	STRUCTURAL
T/O	TOP OF
TTD	TOILET TISSUE DISPENSER
TV	TELEVISION (OWNER SUPPLIED)
TWF	THROUGH WALL FLASHING
TYP	TYPICAL
U/S	UNDERSIDE
VCT	VINYL COMPOSITE TILE
W	WASHING MACHINE
w/	WITH



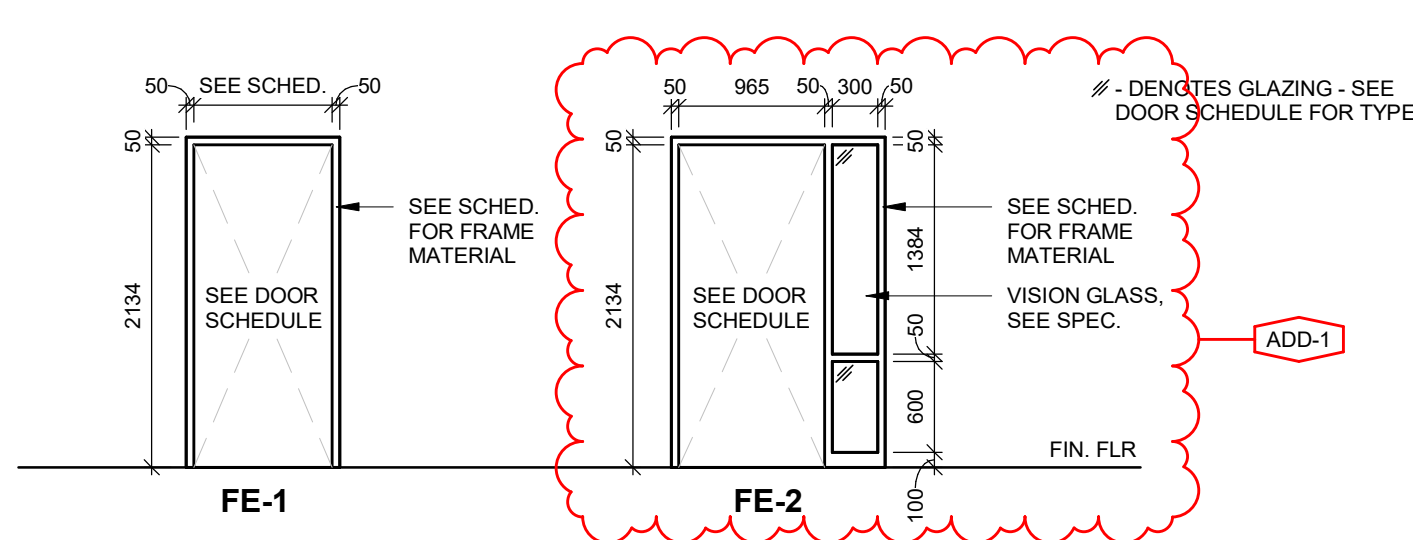
## FD-3

## FRAME DETAILS

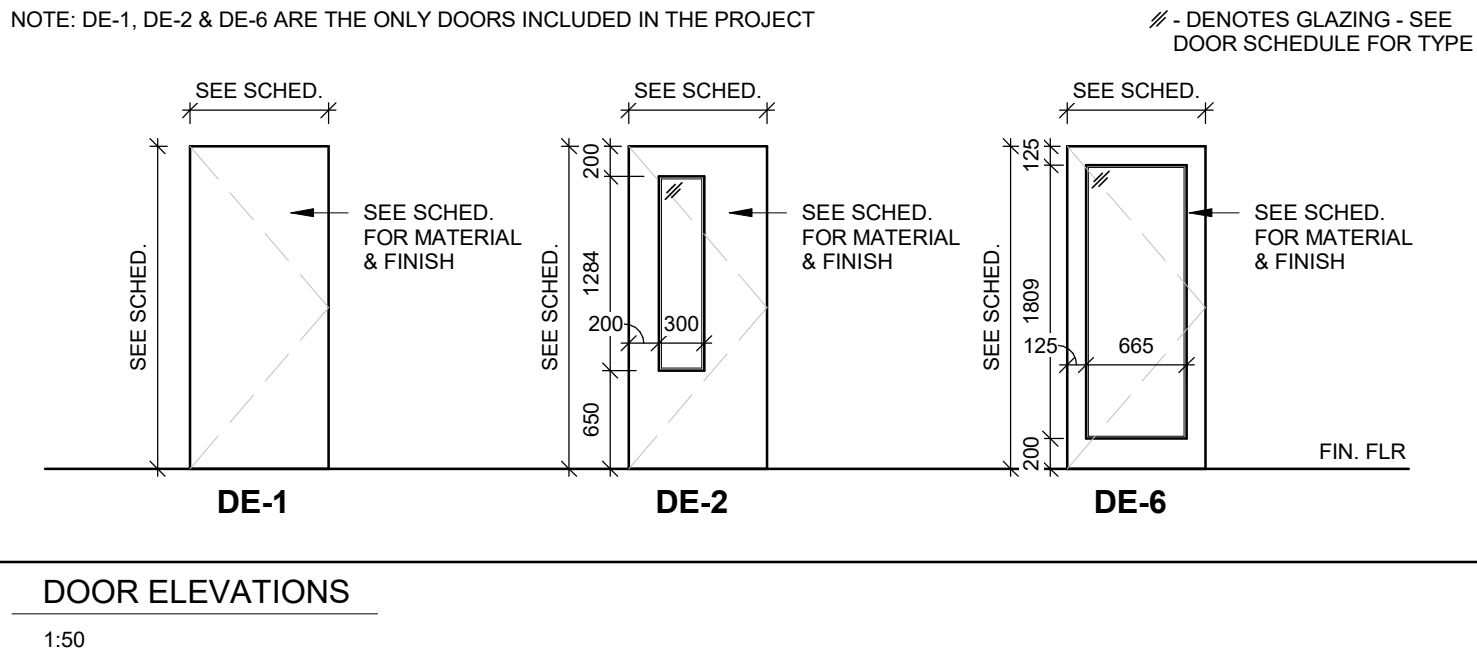
1:10

## FRAME ELEVATIONS

1:50

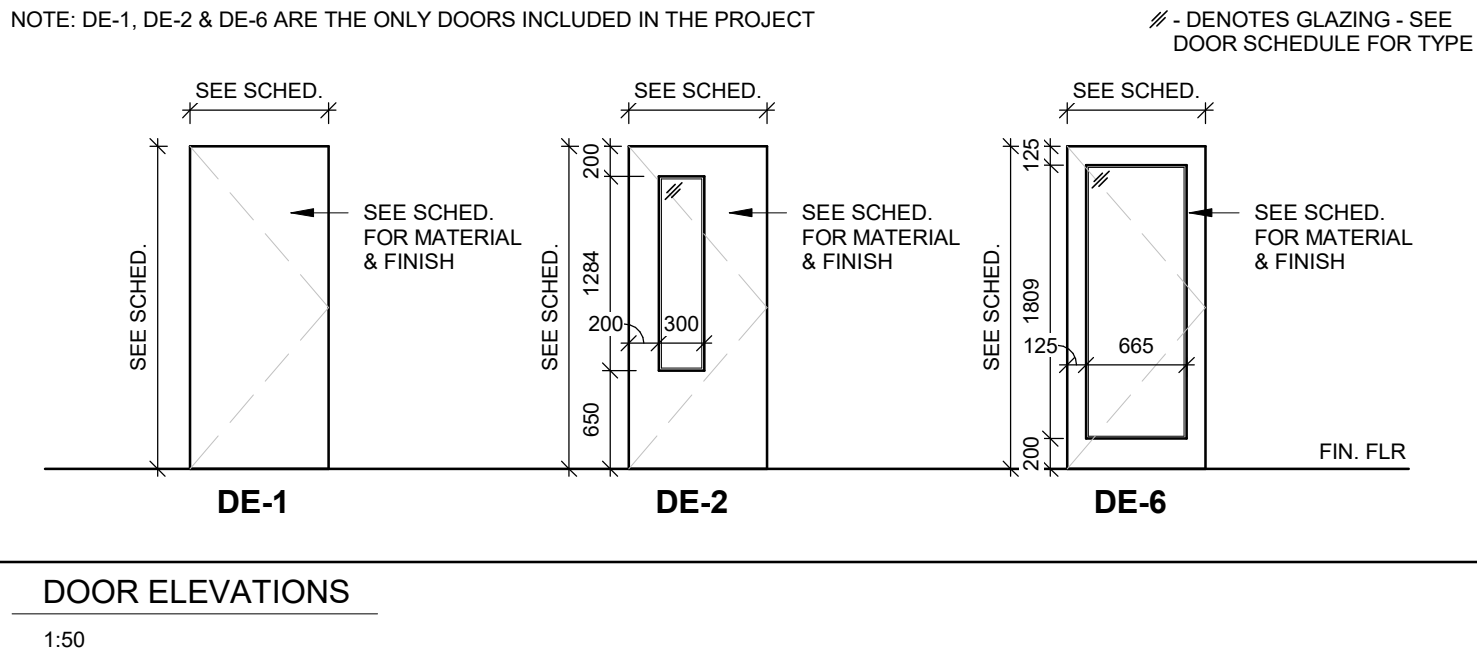


## FE-2

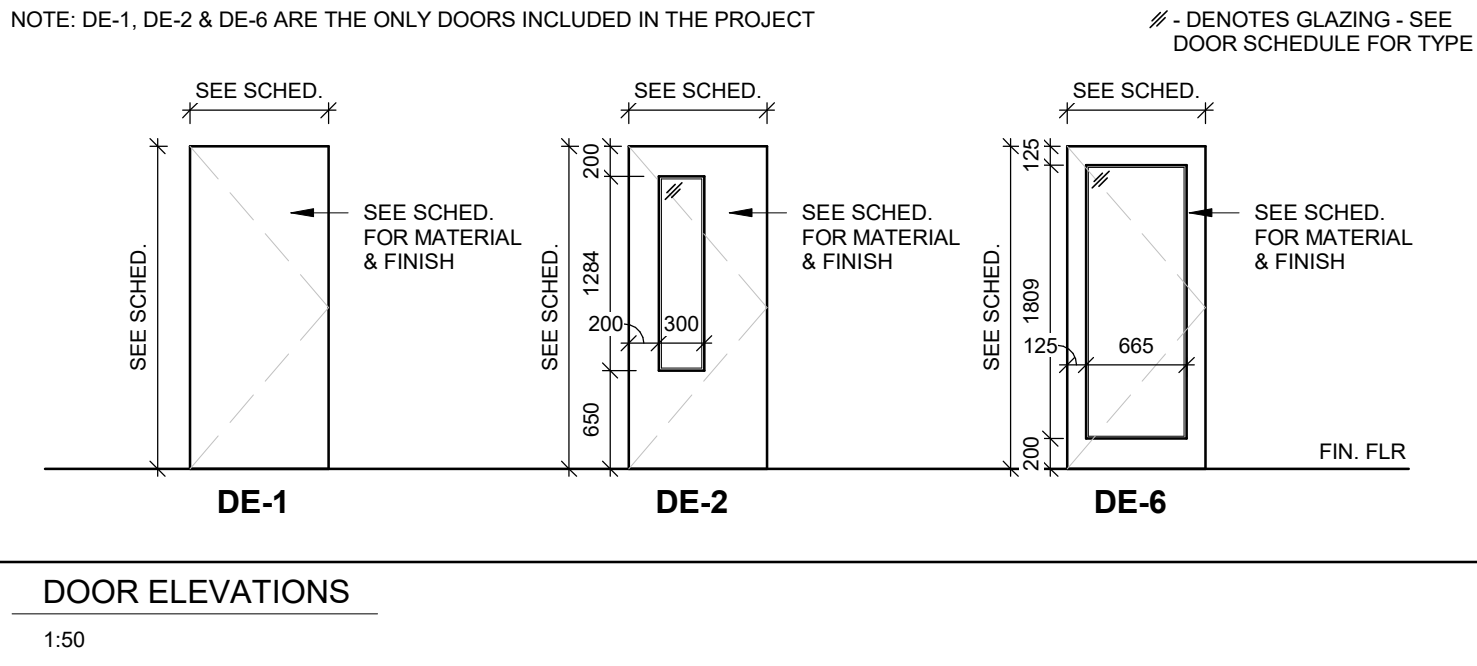


## DOOR ELEVATIONS

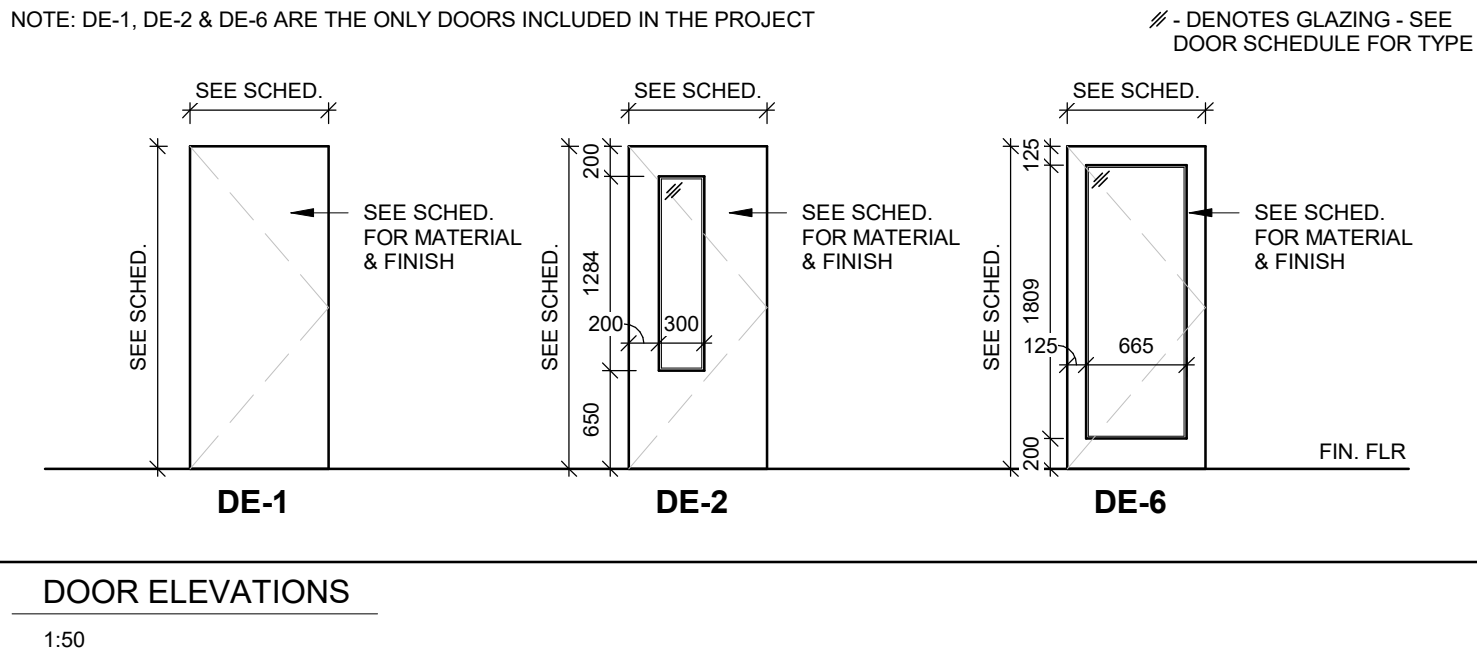
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## DE-2



## DE-6



## DE-1

## Waterloo-Oxford District Secondary School

1206 Snyder's Rd W, Baden, ON N3A 1A4

Project No.: 1128B

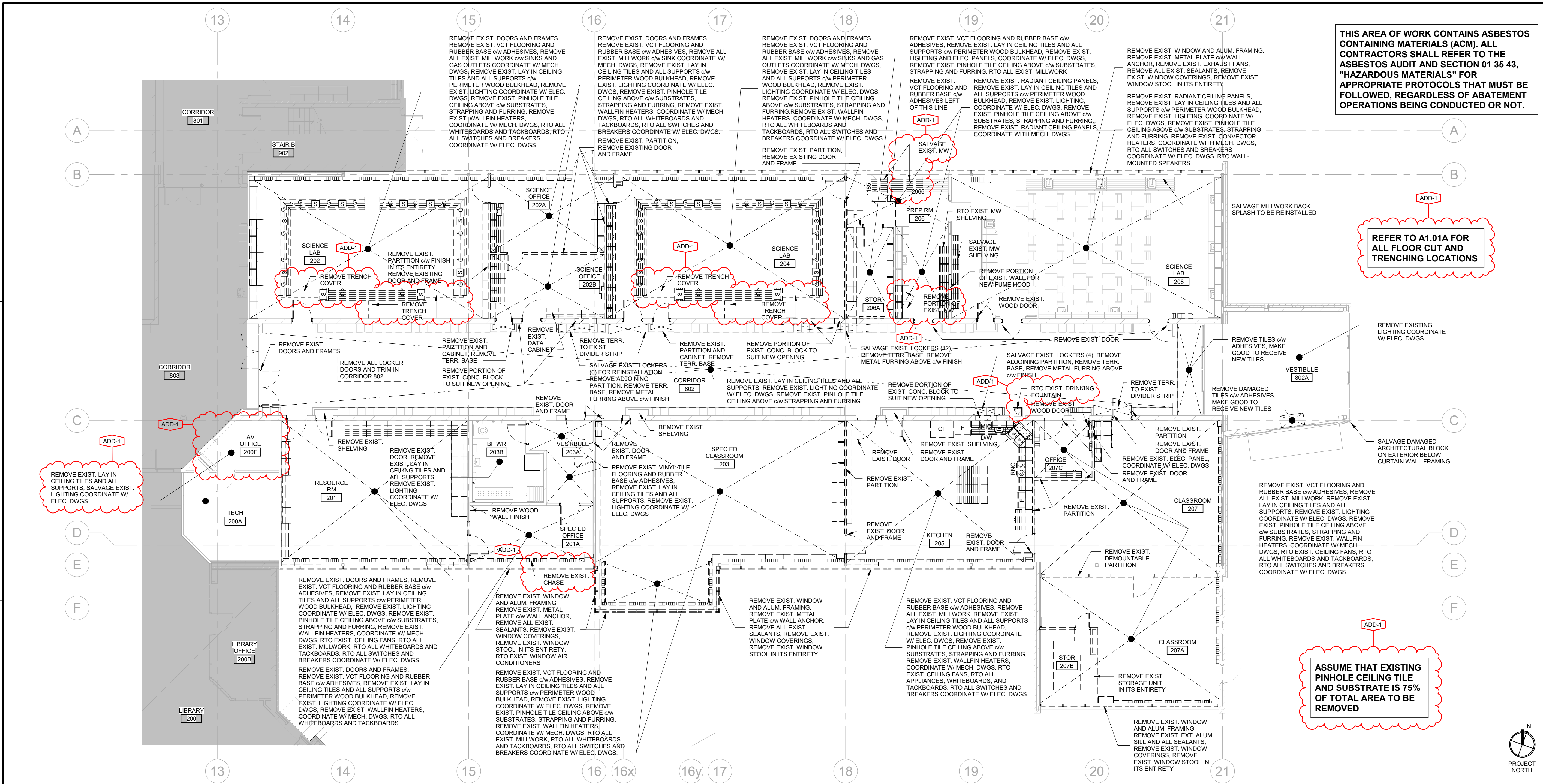
BUILDING ELEMENTS, SCHEDULES, OBC DATA, TYPICAL DETAILS, ABBREVIATIONS &amp; GENERAL NOTES

A0.01R

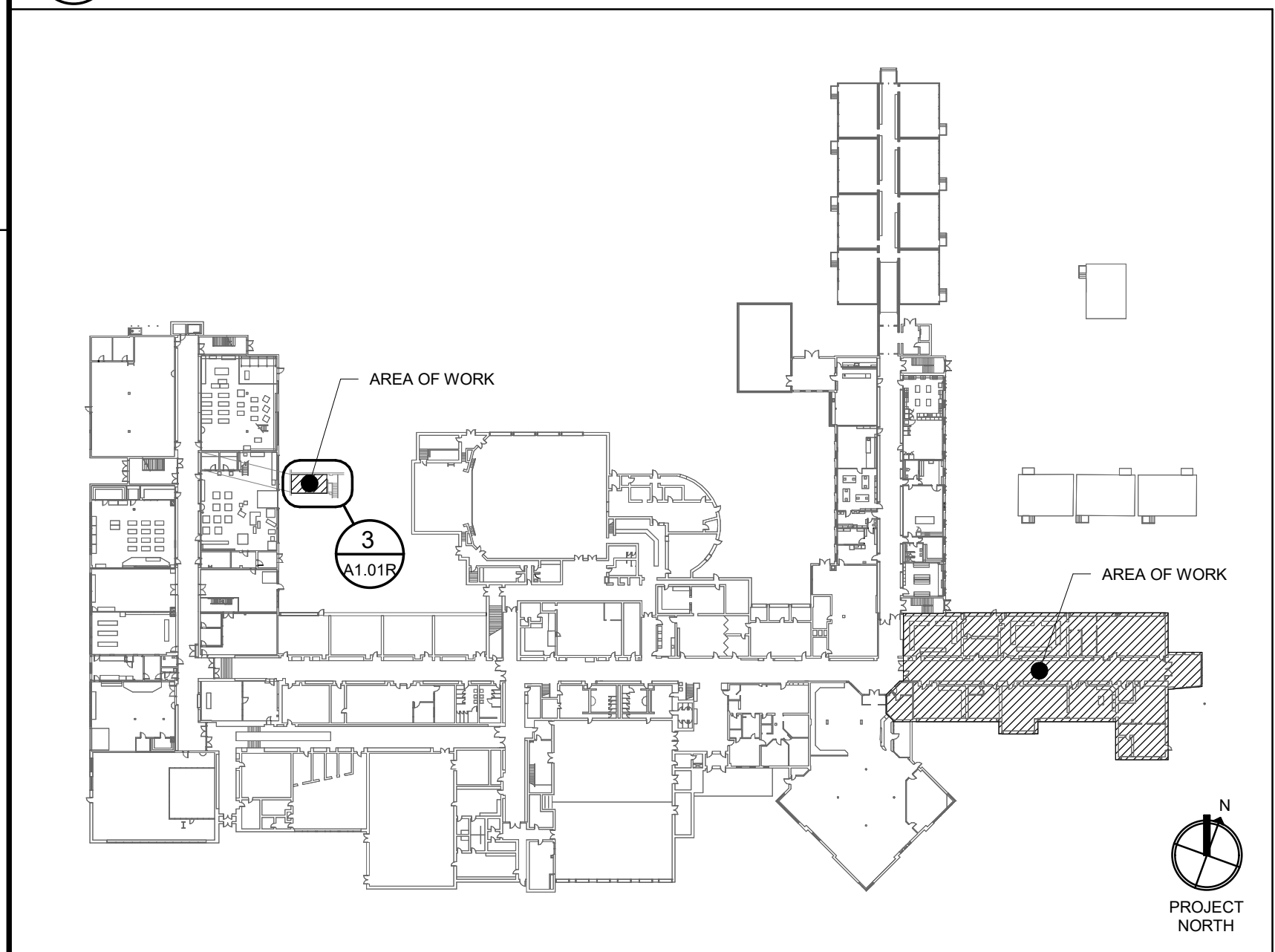
CORNERSTONE  
ARCHITECTUREWaterloo-Oxford District Secondary School  
ACE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS  
BUILDING ELEMENTS, SCHEDULES, OBC DATA, TYPICAL DETAILS, ABBREVIATIONS & GENERAL NOTES

A0.01R

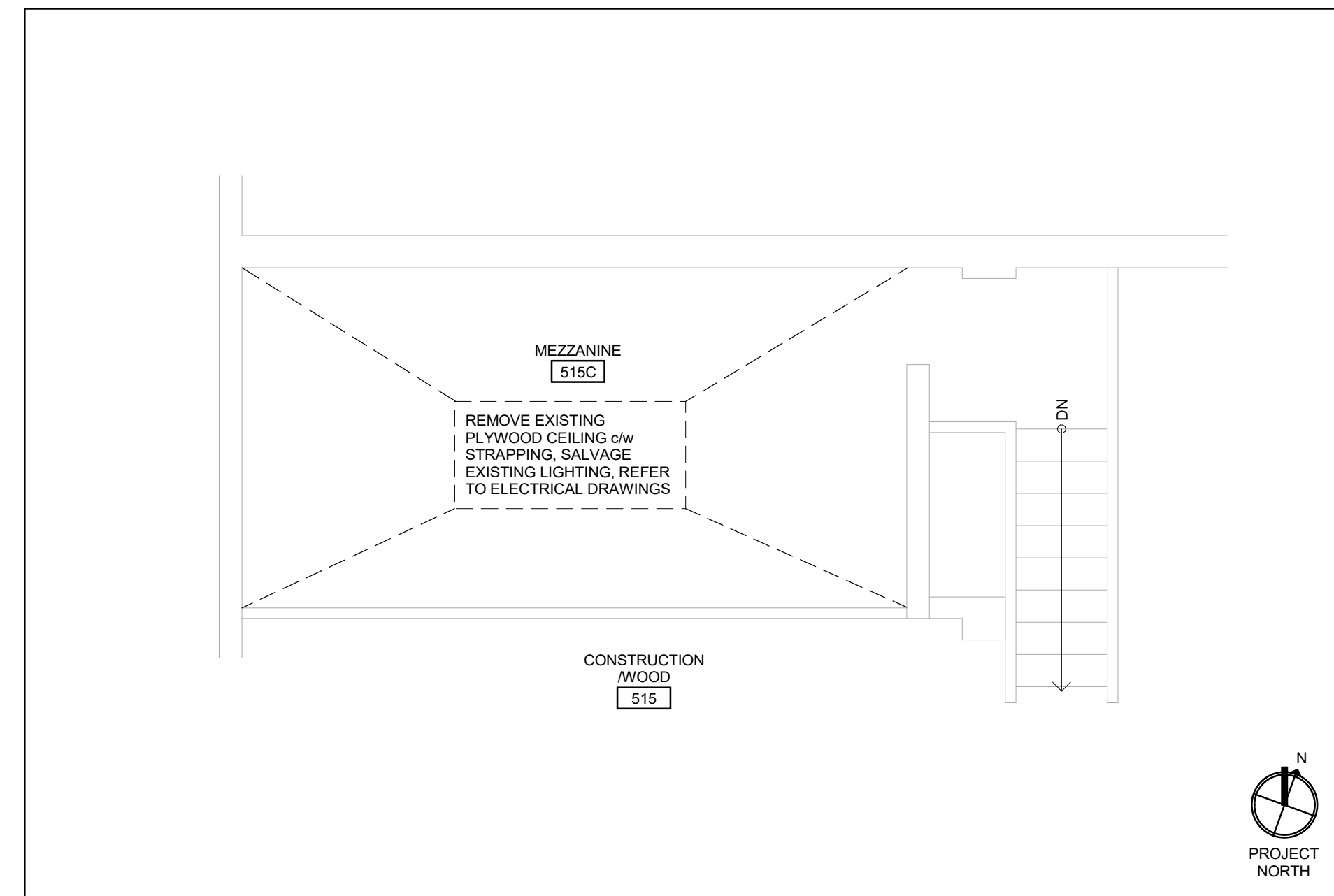




1 FIRST FLOOR DEMOLITION PLAN  
A1.01R



2 FIRST FLOOR DEMOLITION KEY PLAN  
A1.01R  
NOT TO SCALE



3 MEZZANINE DEMOLITION PLAN  
A1.01R

DEMOLITION LEGEND	
APPLICABLE TO ALL DRAWINGS	
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE DEMOLISHED
	BREAK OUT NEW OPENINGS IN EXISTING WALL
	EXISTING DOOR TO REMAIN
	REMOVE EXISTING DOOR & FRAME, SALVAGE ALL DOOR HARDWARE (HINGES, LOCKSETS, & CLOSURES)
	REMOVE, RELOCATE OR SALVAGE EXISTING MILLWORK (C/SINKS, FITTINGS & ACCESSORIES AS INDICATED)
	INDICATES EXTENT OF AREA OF REMOVAL OR SALVAGE WORK SCOPE AS NOTED
	INDICATES REMOVAL AREA OF FLOOR SLAB TO SUIT MECHANICAL REMOVAL/INSTALLATION, COORDINATE WITH MECHANICAL DRAWINGS.
	INDICATES REMOVAL AREA OF FLOOR SLAB TO SUIT MECHANICAL REMOVAL/INSTALLATION, COORDINATE WITH MECHANICAL DRAWINGS.
	INDICATES REMOVAL AREA OF ASPHALT TO SUIT MECHANICAL REMOVAL/INSTALLATION, COORDINATE WITH MECHANICAL DRAWINGS.
	REMOVE, RELOCATE, OR SALVAGE EXISTING ELECTRICAL PANEL AS INDICATED, COORDINATE WITH ELECTRICAL DRAWINGS.

- DEMOLITION NOTES**  
THESE NOTES ARE APPLICABLE TO ALL DRAWINGS
- CONTRACTOR TO VERIFY ALL DIMENSION ON SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
  - DEMOLITION PLANS ARE TO BE READ IN CONJUNCTION WITH FLOOR PLANS.
  - CONFIRM THE REMOVAL OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS.
  - CONFIRM THE REMOVAL OF ALL ELECTRICAL EQUIPMENT WITH ELECTRICAL DRAWINGS.
  - CONFIRM THE EXTENT AND DIMENSION OF ALL AREAS TO BE REMOVED WITH FLOOR PLANS.
  - WORK TO BE PERFORMED BY THE FOLLOWING TERMS:
    - 'REMOVE' - ITEM SHALL BE REMOVED AND DISCARDED.
    - 'RELOCATE' - ITEM SHALL BE CAREFULLY REMOVED AND RELOCATED AS INDICATED.
    - 'RTO' - ITEM SHALL BE CAREFULLY REMOVED AND RETURNED TO OWNER.
    - 'SALVAGE' - ITEM SHALL BE CAREFULLY REMOVED AND PROTECTED/ STORED FOR REINSTALLATION.
  - WHERE EXISTING FLOOR FINISHES ARE TO BE REMOVED INCLUDE THE REMOVAL OF EXISTING WALL BASE AND ALL ADHESIVES.
  - WHERE EXISTING WALLS ARE TO BE REMOVED INCLUDE THE REMOVAL OF TERRAZZO WALL BASE IF APPLICABLE.
  - SALVAGE EXISTING ACCESSORIES, INCLUDING SOAP DISPENSERS, PAPER TOWEL DISPENSERS, ETC.
  - SALVAGE ALL KITCHEN EQUIPMENT, REFRIGERATOR, FREEZER, WASHER, DRYER, RANGE-OVEN, DISHWASHER, MICROWAVE AND RETURN TO OWNER.
  - REFER TO ASBESTOS REPORT FOR LOCATIONS OF ASBESTOS PRODUCTS.
  - OWNER TO REMOVE ALL SMARTBOARDS, PROJECTORS AND ELECTRONIC DEVICES PRIOR TO ANY WORK COMMENCING.
  - WHERE CEILINGS ARE BEING DEMOLISHED INCLUDE THE REMOVAL OF ALL LOOSE OR FALLEN DEBRIS ABOVE, COORDINATE REMOVAL WITH ASBESTOS AUDIT REPORT, REFER TO SPECIFICATIONS.

THIS AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS (ACM). ALL CONTRACTORS SHALL REFER TO THE ASBESTOS AUDIT AND SECTION 01 35 43, "HAZARDOUS MATERIALS" FOR APPROPRIATE PROTOCOLS THAT MUST BE FOLLOWED, REGARDLESS OF ABATEMENT OPERATIONS BEING CONDUCTED OR NOT.

REFER TO A1.01A FOR ALL FLOOR CUT AND TRENCHING LOCATIONS

ASSUME THAT EXISTING PINHOLE CEILING TILE AND SUBSTRATE IS 75% OF TOTAL AREA TO BE REMOVED

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2025-05-28 ISSUED FOR TENDER & PERMIT

WATERLOO REGION  
DISTRICT SCHOOLS

**Waterloo-Oxford District Secondary School**  
ACE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS

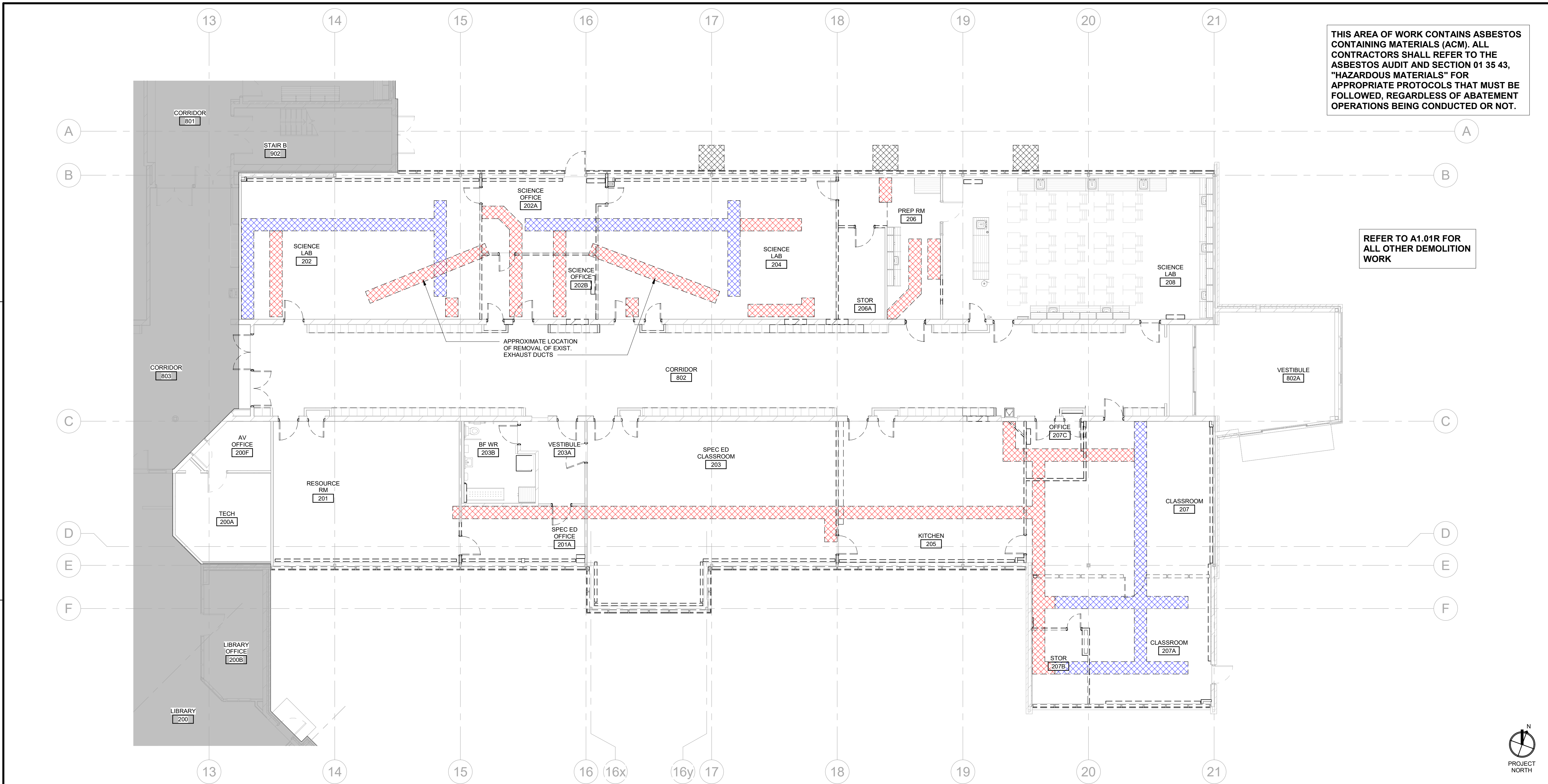
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Project No.: 1128B  
Drawn By: DM  
Plot Date: 04/09/25

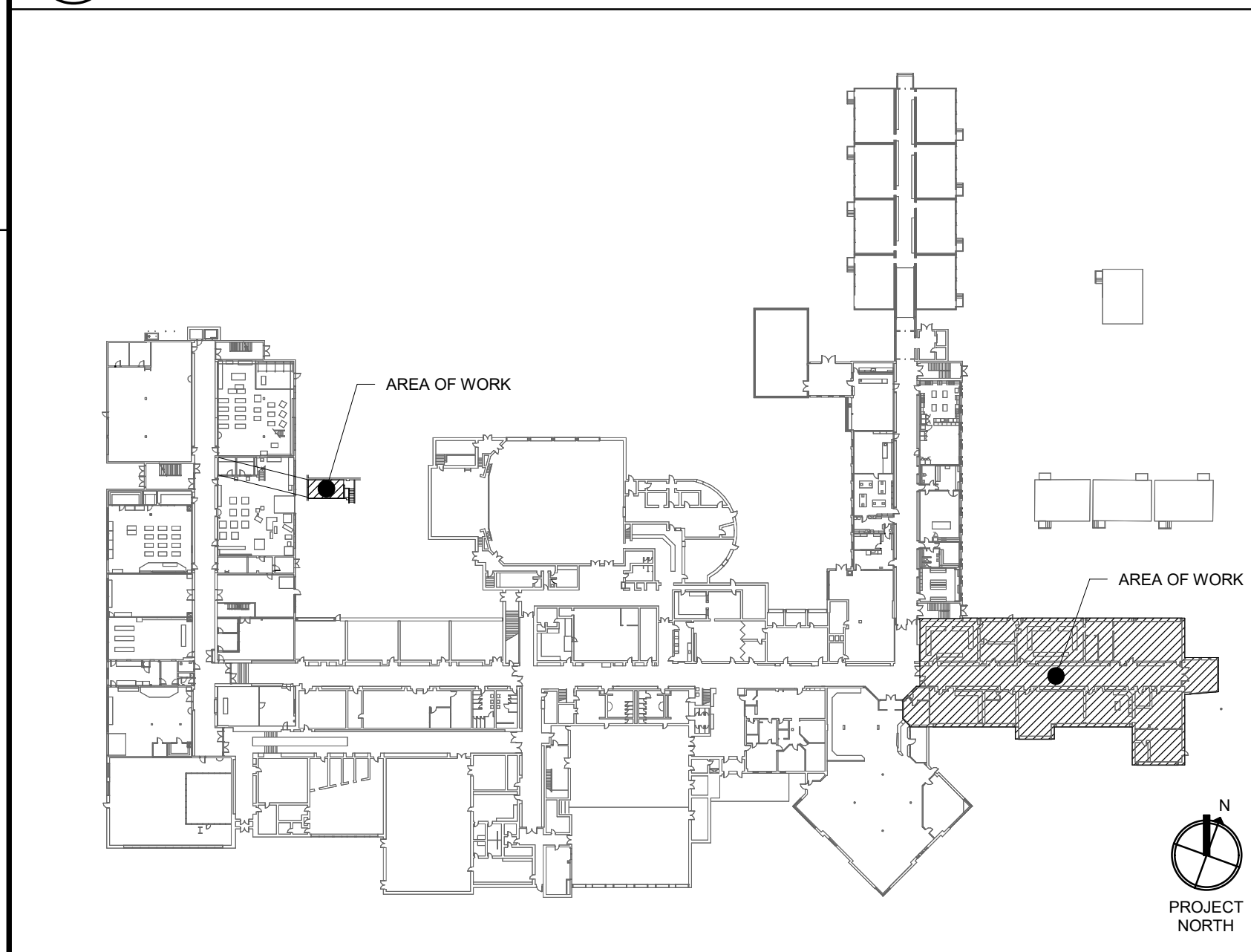
**DEMOLITION FLOOR PLAN**

**A1.01R**





1 FIRST FLOOR DEMOLITION PLAN  
A1.01A



2 FIRST FLOOR DEMOLITION KEY PLAN  
A1.01A NOT TO SCALE

DEMOLITION LEGEND	
APPLICABLE TO ALL DRAWINGS	
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE DEMOLISHED
	BREAK OUT NEW OPENINGS IN EXISTING WALL
	EXISTING DOOR TO REMAIN
	REMOVE EXISTING DOOR & FRAME, SALVAGE ALL DOOR HARDWARE, (HINGES, LOCKSETS, & CLOSURES)
	REMOVE, RELOCATE OR SALVAGE EXISTING MILLWORK & SINKS, FITTINGS & ACCESSORIES AS INDICATED
	NOTE INDICATES EXTENT OF AREA OF REMOVAL OR SALVAGE WORK SCOPE AS NOTED
	INDICATES REMOVAL AREA OF FLOOR SLAB TO SUIT NEW MECHANICAL TRENCH, COORDINATE WITH MECHANICAL DRAWINGS.
	INDICATES REMOVAL AREA OF FLOOR SLAB TO SUIT MECHANICAL REMOVAL/ INSTALLATION, COORDINATE WITH MECHANICAL DRAWINGS.
	INDICATES REMOVAL AREA OF ASPHALT TO SUIT MECHANICAL REMOVAL/ INSTALLATION, COORDINATE WITH MECHANICAL DRAWINGS.
	REMOVE, RELOCATE, OR SALVAGE EXISTING ELECTRICAL PANEL AS INDICATED, COORDINATE WITH ELECTRICAL DRAWINGS.

- DEMOLITION NOTES**  
THESE NOTES ARE APPLICABLE TO ALL DRAWINGS
- CONTRACTOR TO VERIFY ALL DIMENSION ON SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
  - DEMOLITION PLANS ARE TO BE READ IN CONJUNCTION WITH FLOOR PLANS.
  - CONFIRM THE REMOVAL OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS.
  - CONFIRM THE REMOVAL OF ALL ELECTRICAL EQUIPMENT WITH ELECTRICAL DRAWINGS.
  - CONFIRM THE EXTENT AND DIMENSION OF ALL AREAS TO BE REMOVED WITH FLOOR PLANS.
  - WORK TO BE PERFORMED BY THE FOLLOWING TERMS:
    - 'REMOVE' - ITEM SHALL BE REMOVED AND DISCARDED.
    - 'RELOCATE' - ITEM SHALL BE CAREFULLY REMOVED AND RELOCATED AS INDICATED.
    - 'RTO' - ITEM SHALL BE CAREFULLY REMOVED AND RETURNED TO OWNER.
    - 'SALVAGE' - ITEM SHALL BE CAREFULLY REMOVED AND PROTECTED/ STORED FOR REINSTALLATION.
  - WHERE EXISTING FLOOR FINISHES ARE TO BE REMOVED INCLUDE THE REMOVAL OF EXISTING WALL BASE AND ALL ADHESIVES.
  - WHERE EXISTING WALLS ARE TO BE REMOVED INCLUDE THE REMOVAL OF TERRAZZO WALL BASE IF APPLICABLE.
  - SALVAGE EXISTING ACCESSORIES, INCLUDING SOAP DISPENSERS, PAPER TOWEL DISPENSERS, ETC.
  - SALVAGE ALL KITCHEN EQUIPMENT, REFRIGERATOR, FREEZER, WASHER, DRYER, RANGE-OVEN, DISHWASHER, MICROWAVE AND RETURN TO OWNER.
  - REFER TO ASBESTOS REPORT FOR LOCATIONS OF ASBESTOS PRODUCTS.
  - OWNER TO REMOVE ALL SMARTBOARDS, PROJECTORS AND ELECTRONIC DEVICES PRIOR TO ANY WORK COMMENCING.
  - WHERE CEILINGS ARE BEING DEMOLISHED INCLUDE THE REMOVAL OF ALL LOOSE OR FALLEN DEBRIS ABOVE. COORDINATE REMOVAL WITH ASBESTOS AUDIT REPORT, REFER TO SPECIFICATIONS.

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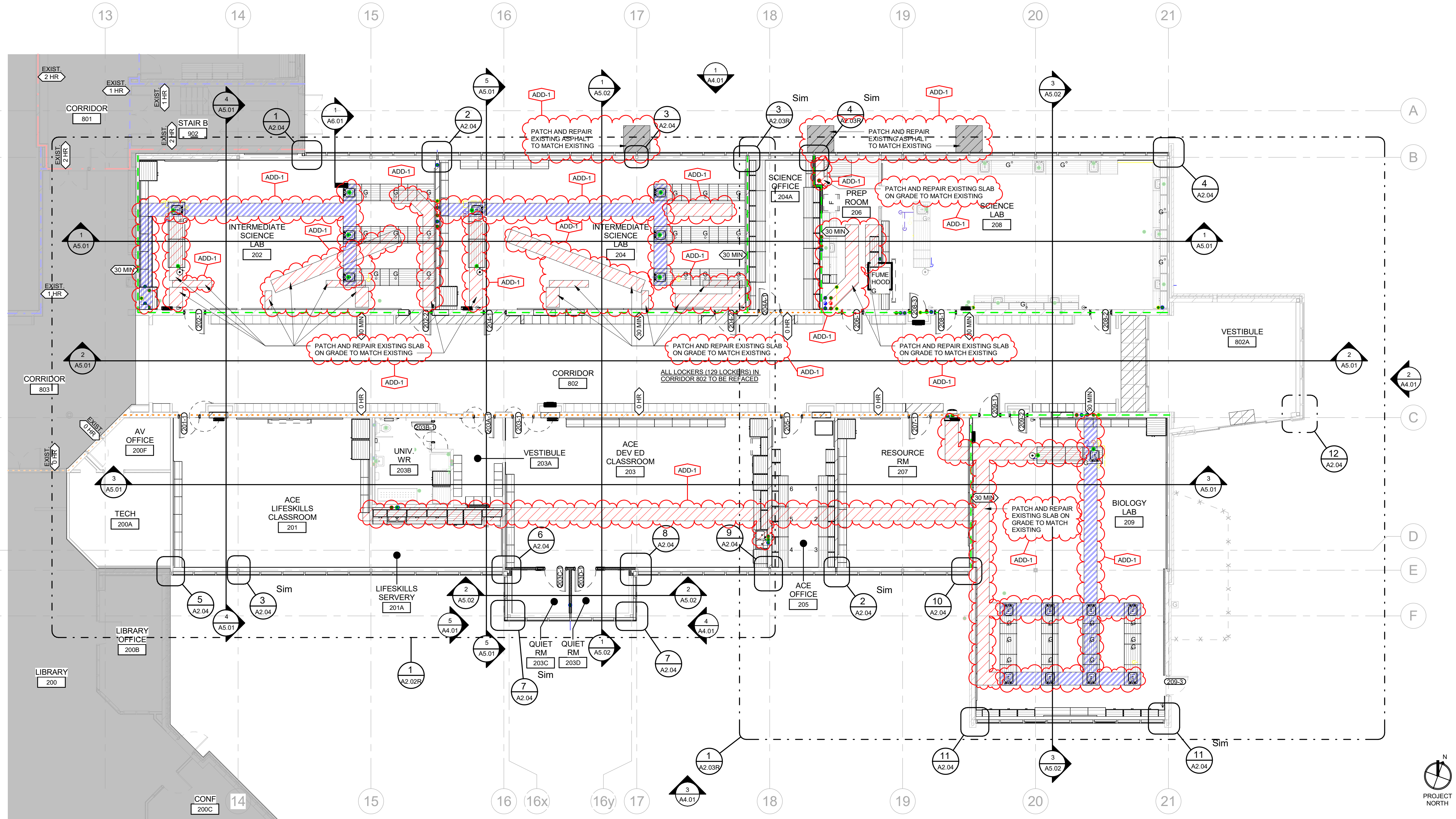
WATERLOO REGION  
DISTRICT SCHOOL BOARD

**Waterloo-Oxford District Secondary School**  
AGE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS  
1205 Snyder's Rd W, Baden, ON N3A 1A4  
Project No.: 1128B  
Drawn By: DM  
Plot Date: 04/09/25

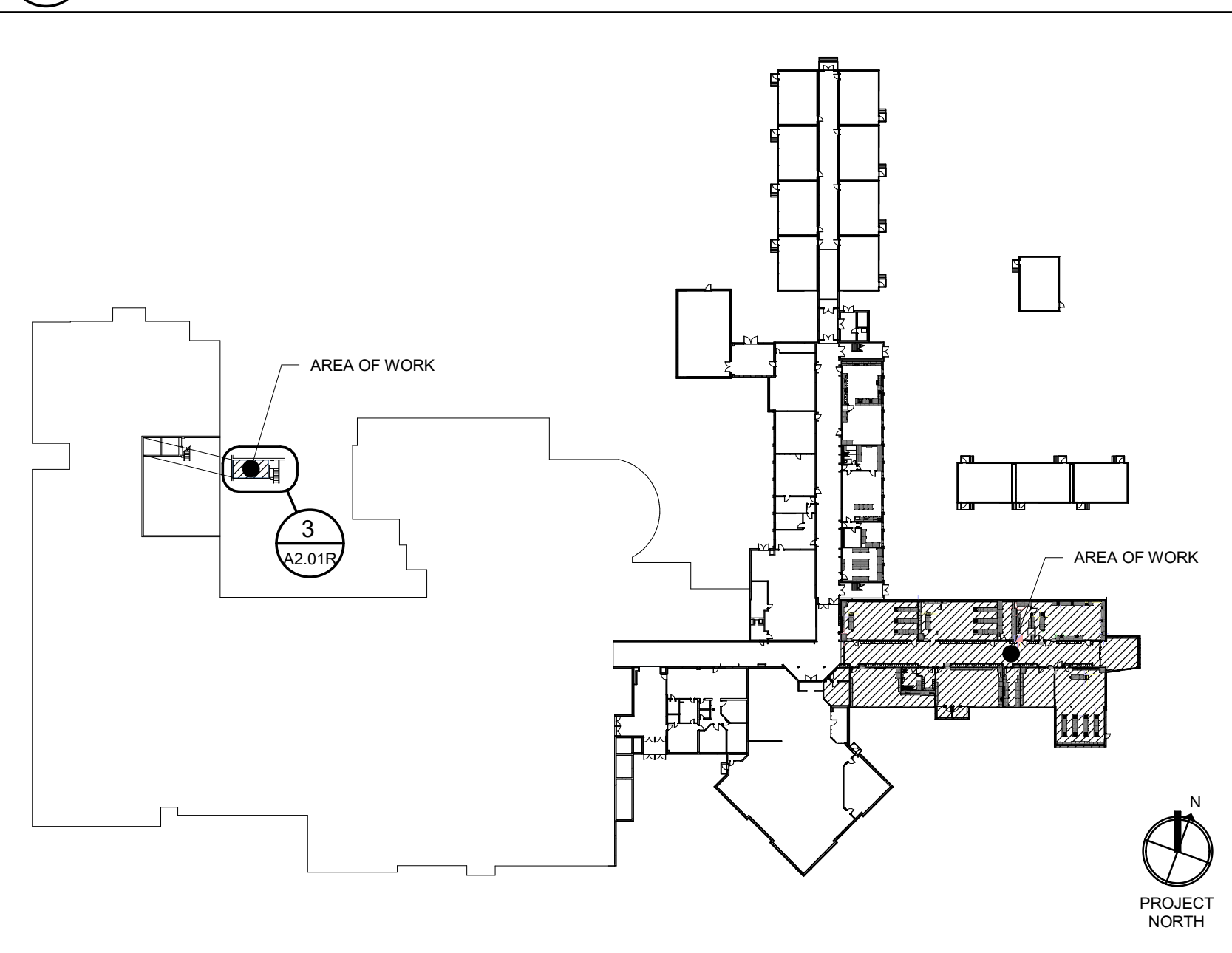
**DEMOLITION FLOOR PLAN - FLOOR SLAB/ TRENCH REMOVALS**

**A1.01A**

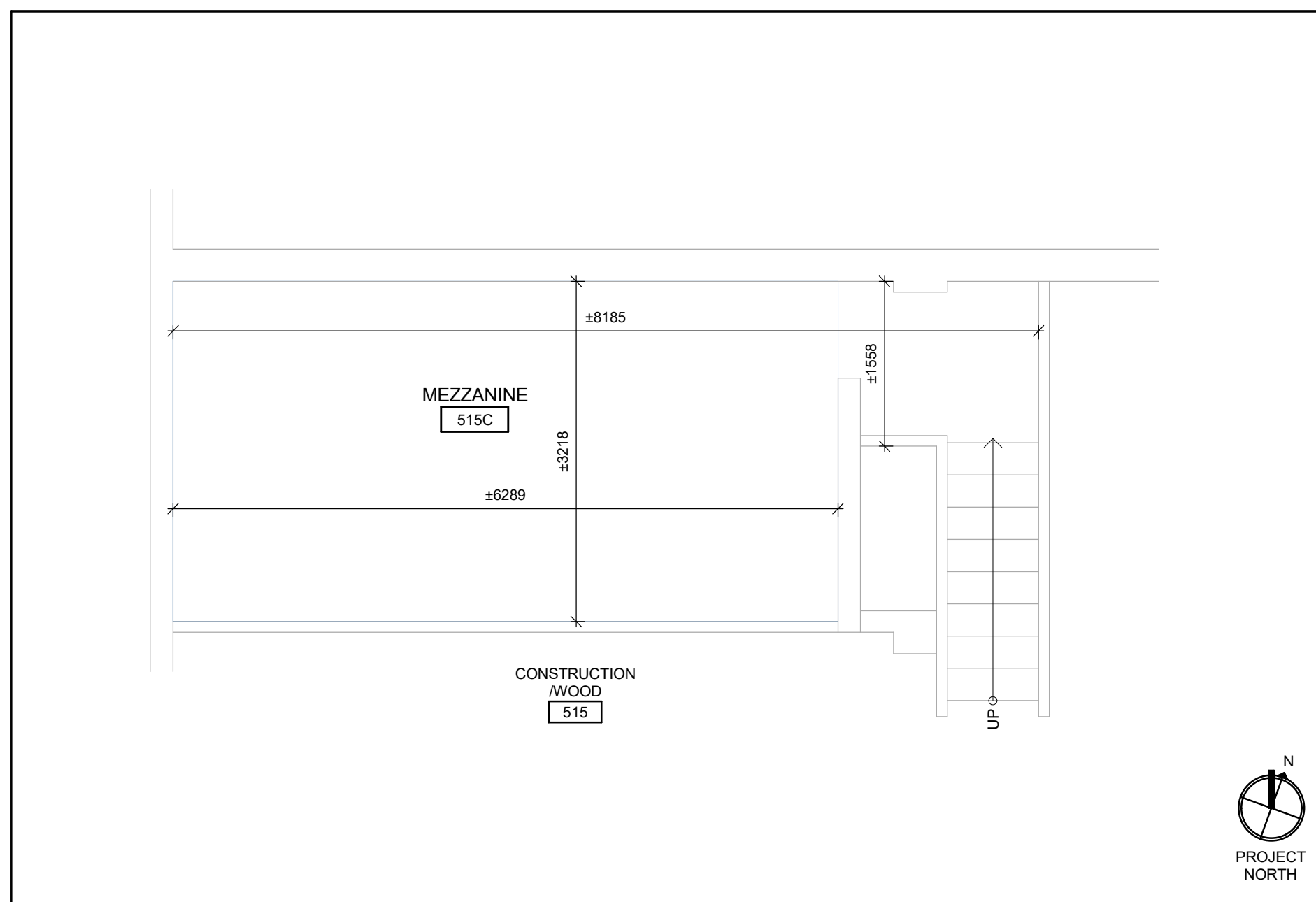




1 FIRST FLOOR PLAN  
A2.01R



2 FIRST FLOOR KEY PLAN  
A2.01R  
NOT TO SCALE



3 MEZZANINE FLOOR PLAN  
A2.01R

SYMBOL LEGEND APPLICABLE TO ALL DRAWINGS			
	INTERIOR WALL ELEV. IDENTIFICATION NUMBER	ROOM NAME	ROOM NAME/NUMBER (SEE ROOM FINISH SCHEDULE)
	EXISTING GRID LINE		CONSTRUCTION ASSEMBLY TYPE - (SEE ASSEMBLY LEGENDS ON DRAWING A0.01)
	MILLWORK - (SEE INTERIOR ELEVATIONS & MILLWORK DETAILS IN SPEC)		DOOR/INTERIOR WINDOW NUMBER (SEE DOOR & FRAME SCHEDULE)
	RECESSED ELECTRICAL PANEL (REFER TO ELEC. DWGS)		WINDOW ASSEMBLY TYPE - (SEE EXTERIOR ELEVATIONS & WINDOW SCHEDULE)
	EXISTING RECESSED FIRE HOSE CABINET (REFER TO MECH. DWGS)		KEYNOTE (REFER TO KEYNOTE LEGEND)
	INDICATES NEW TRENCH AND COVER. DIVIDE INTO SEGMENTS NO HEAVIER THAN 40lbs		DRAWING NUMBER
	INDICATES PATCH AND REPAIR OF FLOOR FINISH TO MATCH EXISTING		DRAWING SHEET LOCATION
	INDICATES PATCH AND REPAIR OF FLOOR SLAB TO MATCH EXISTING. MIN. 150mm CONCRETE SLAB, REFER TO STRUCT. DWGS		BARRIER FREE POWER DOOR OPERATOR
	INDICATES PATCH AND REPAIR OF ASPHALT TO MATCH EXISTING		FIRE EXTINGUISHER (REFER TO MECH. DWGS)
FIRE SEPARATION LEGEND: FIRESTOP ALL PENETRATIONS TO SUIT REQUIRED RATING. 0 HOUR SEPARATION TO BE SMOKE SEALED ONLY. ALL FIRE RATINGS NOTED ON THESE DRAWINGS ARE FIRE RESISTANCE RATINGS OF EXISTING FIRE SEPARATIONS.			

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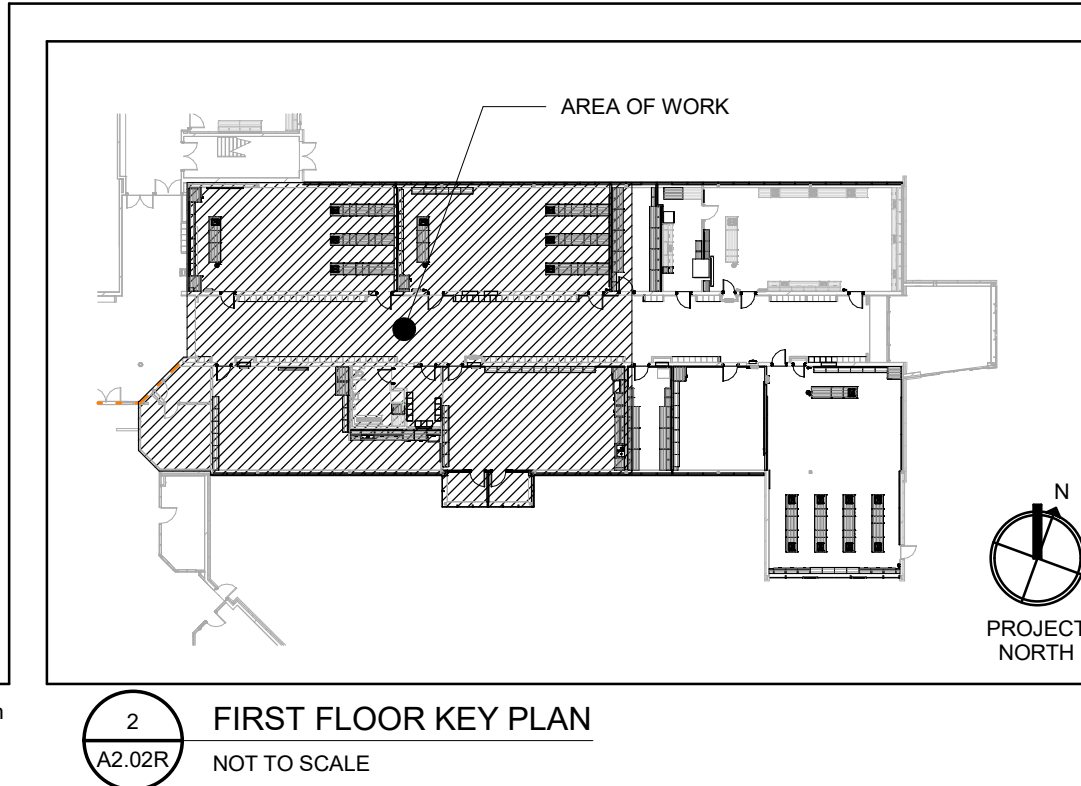
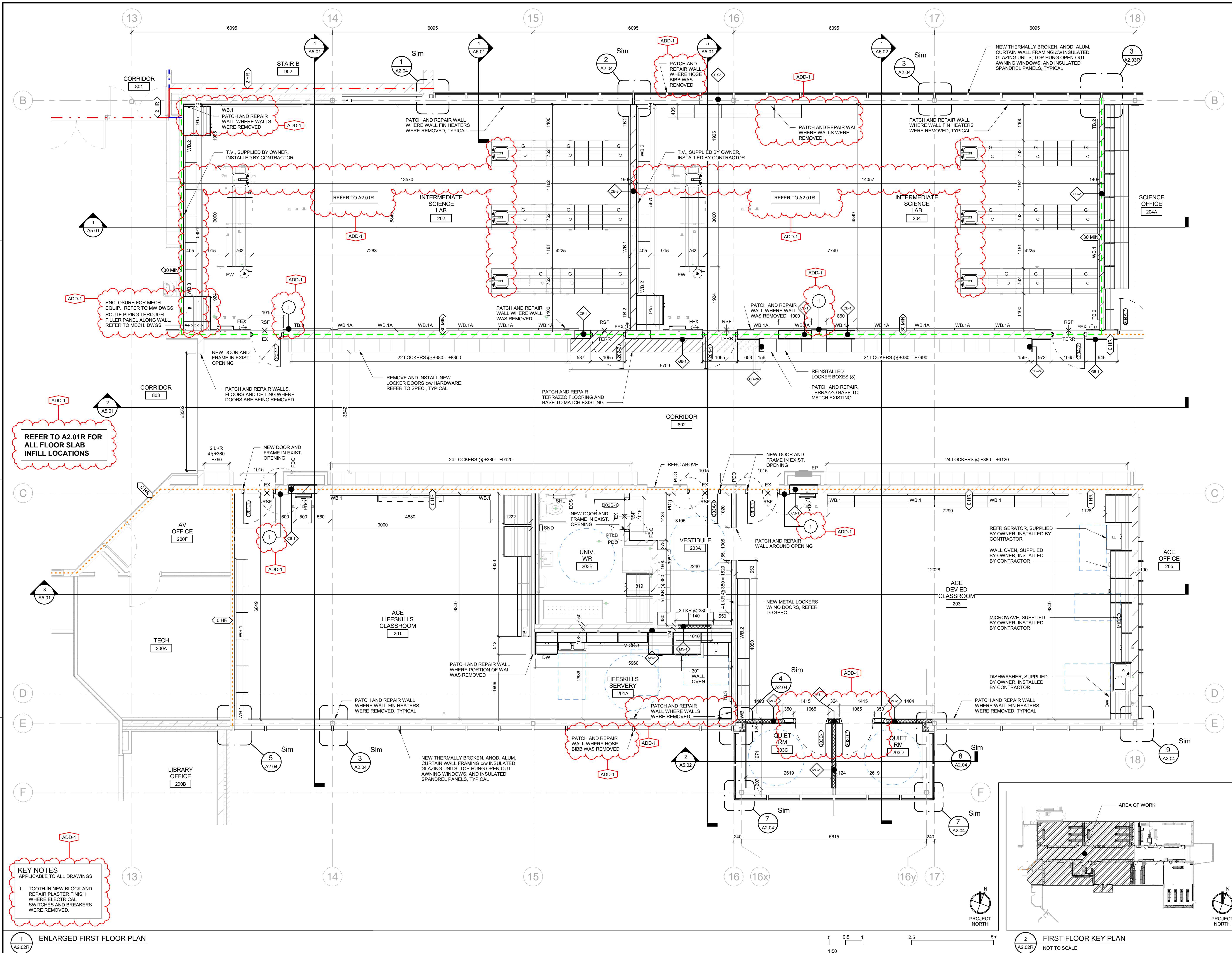
**Waterloo-Oxford District Secondary School**  
ACE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS

1208 Snyder's Rd W. Baden, ON N3A 1A4  
Project No.: 1128B  
Drawn By: DM  
Plot Date: 04/09/25

**OVERALL FLOOR PLAN**

**A2.01R**

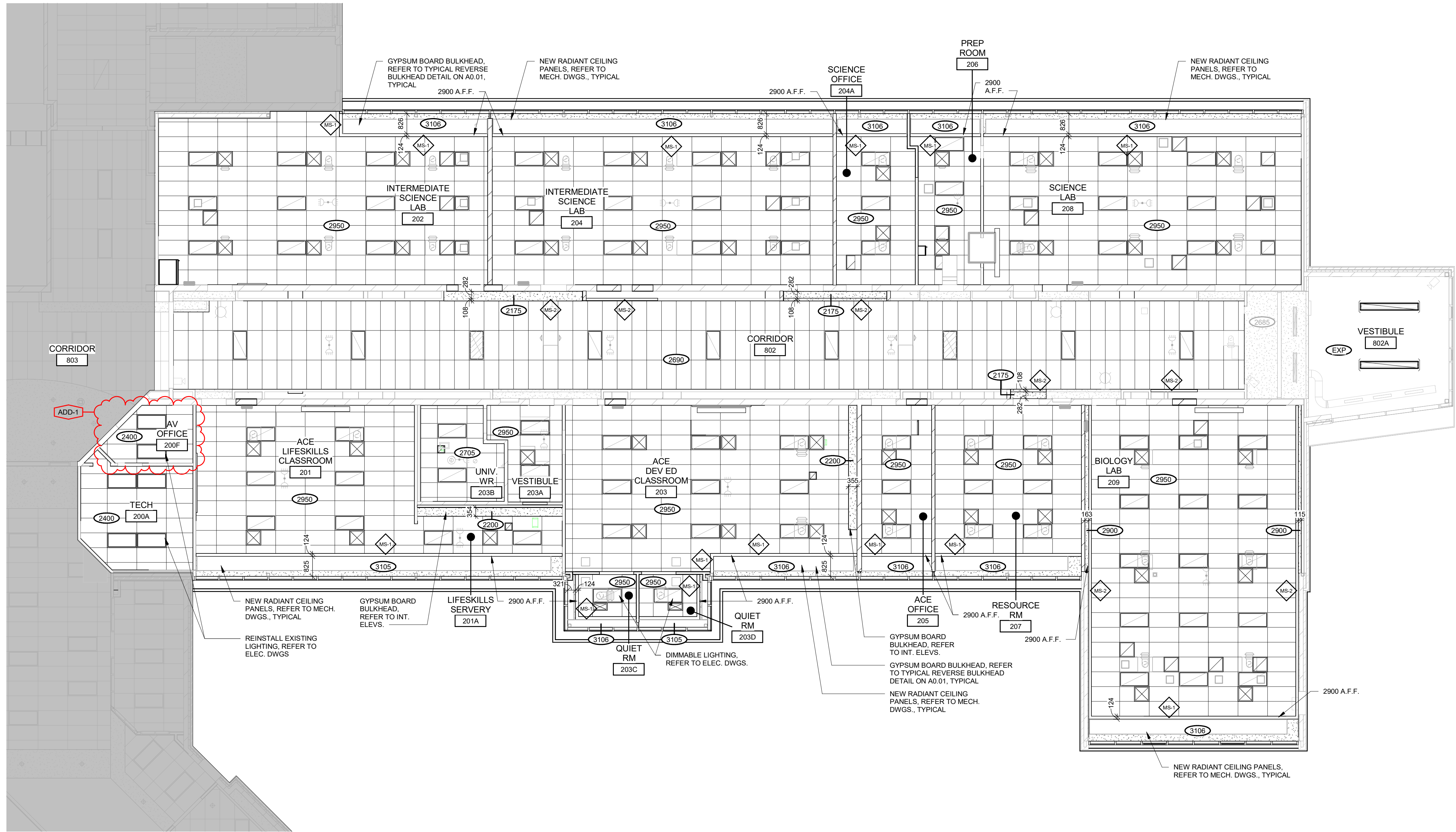




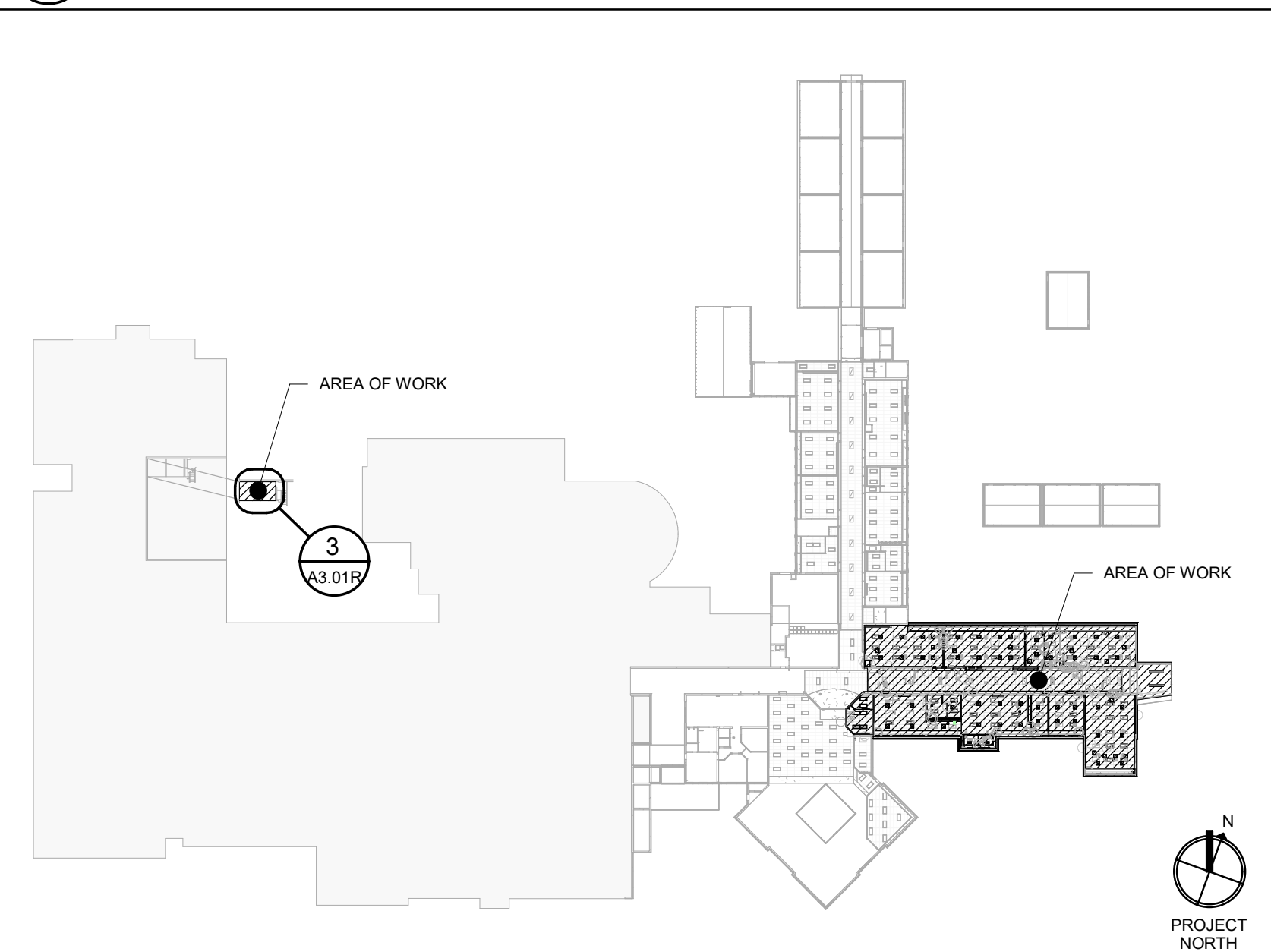




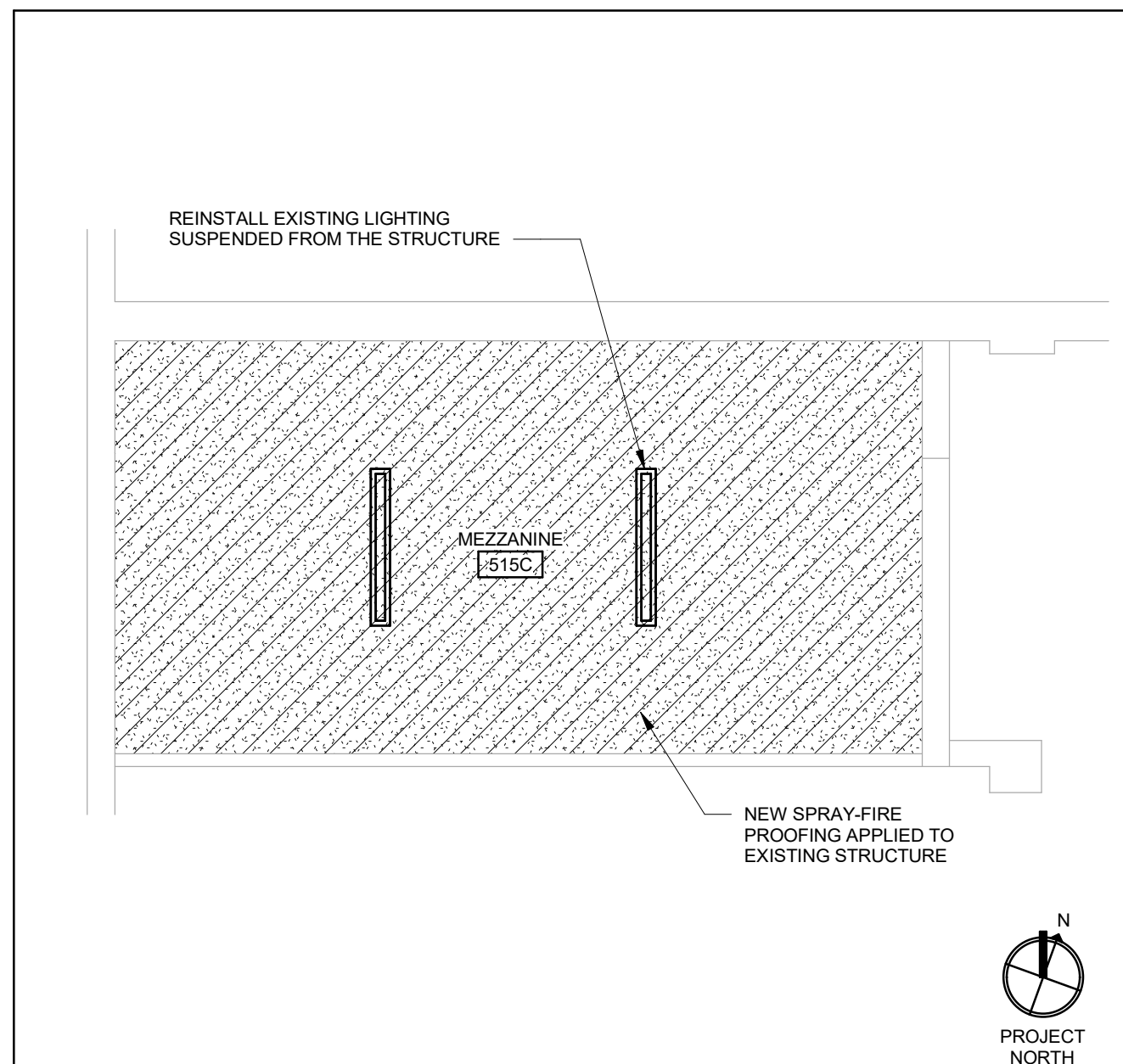




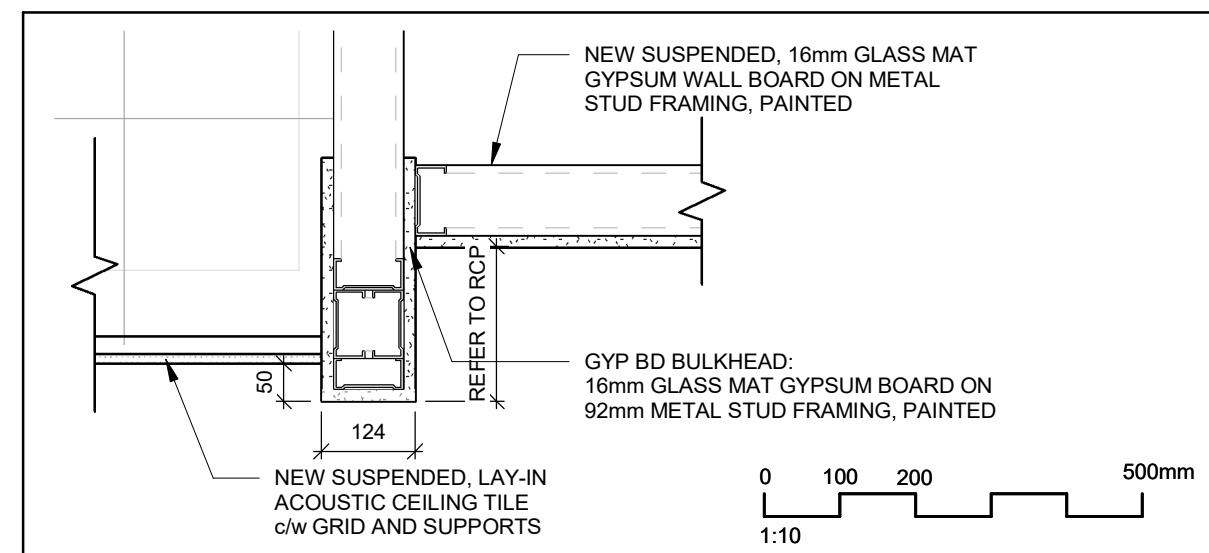
1 PARTIAL REFLECTED CEILING PLAN - FIRST FLOOR  
A3.01R



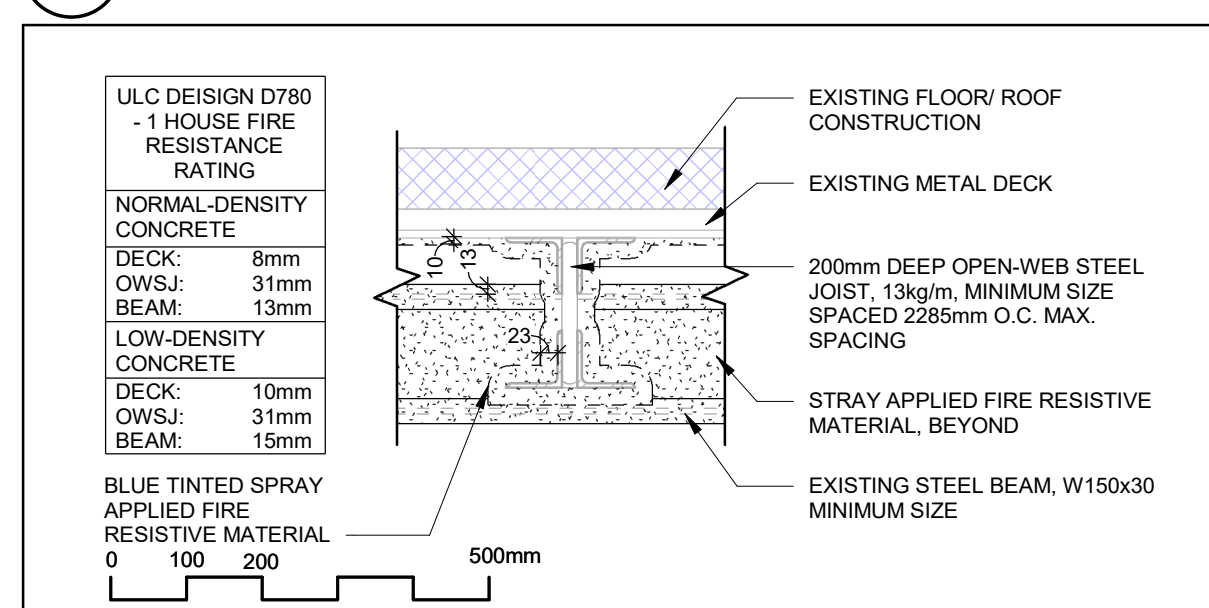
2 REFLECTED CEILING KEY PLAN - FIRST FLOOR  
A3.01R  
NOT TO SCALE



3 ENLARGED MEZZANINE CEILING PLAN  
A3.01R



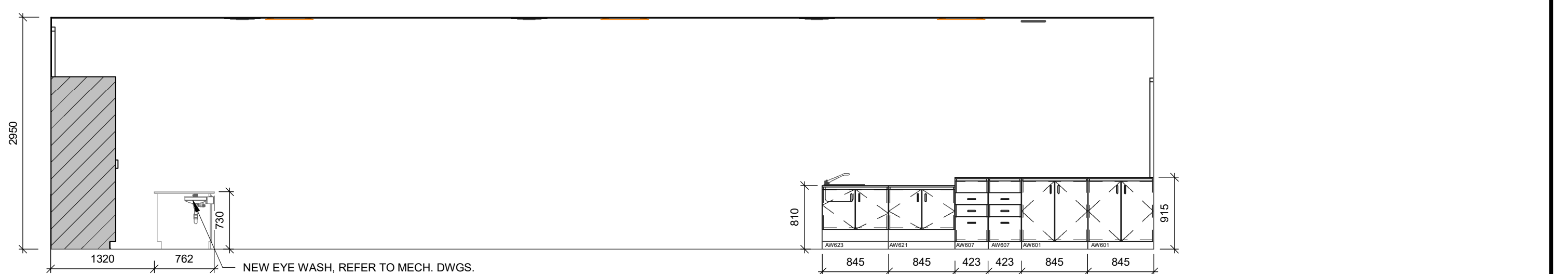
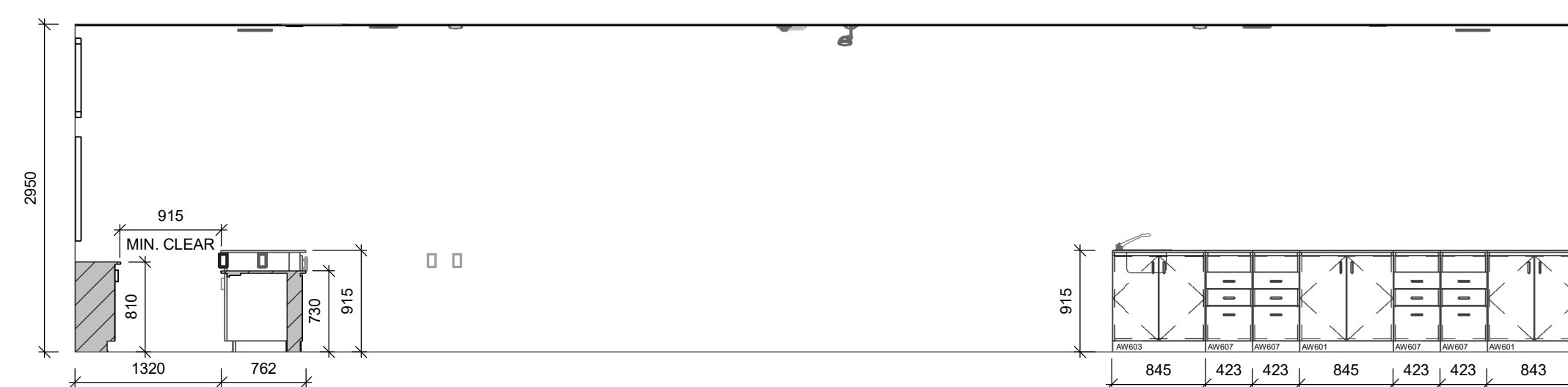
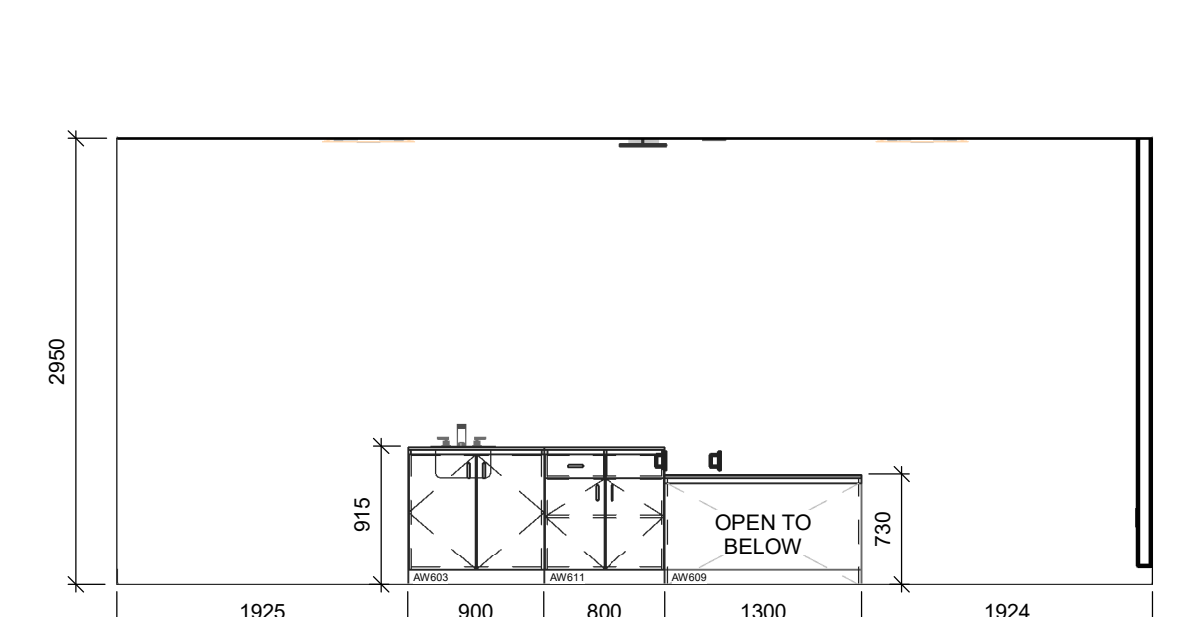
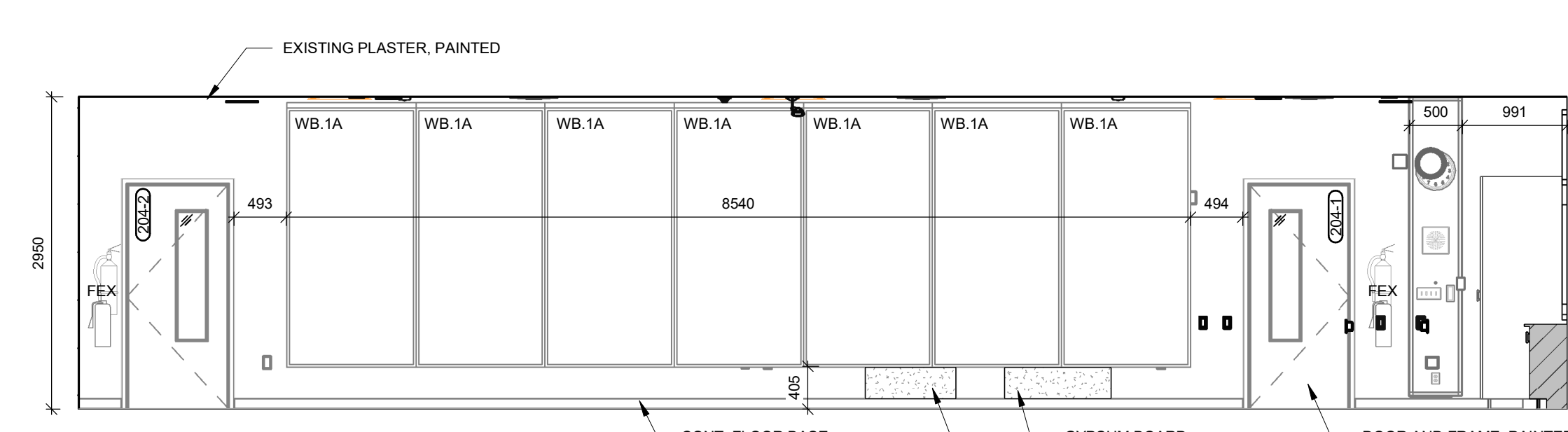
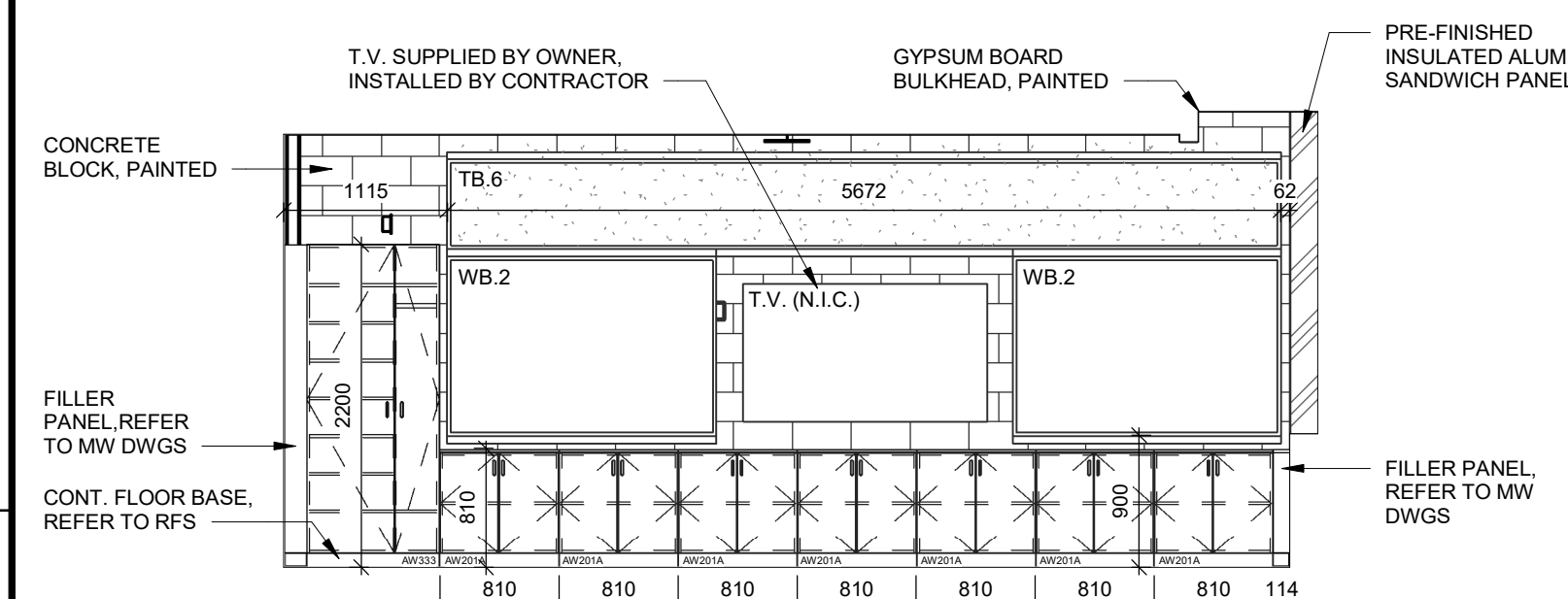
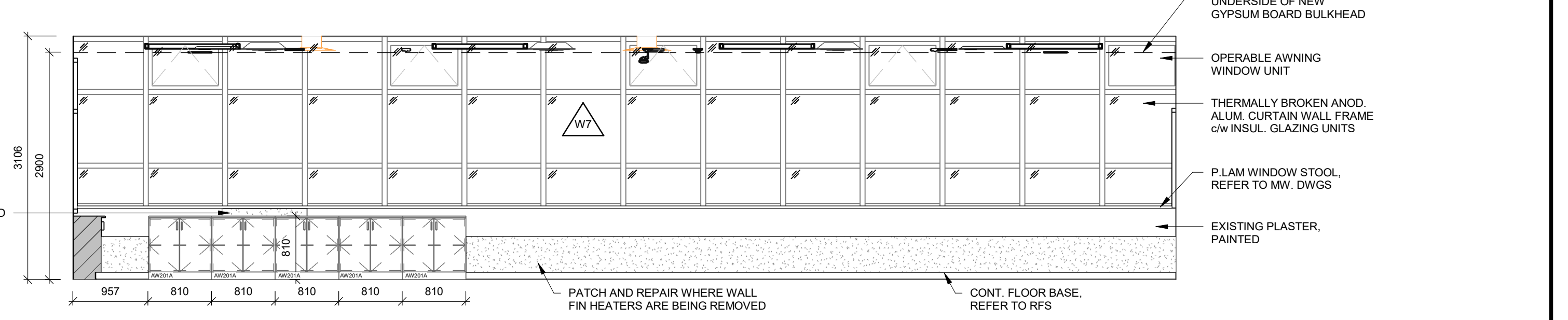
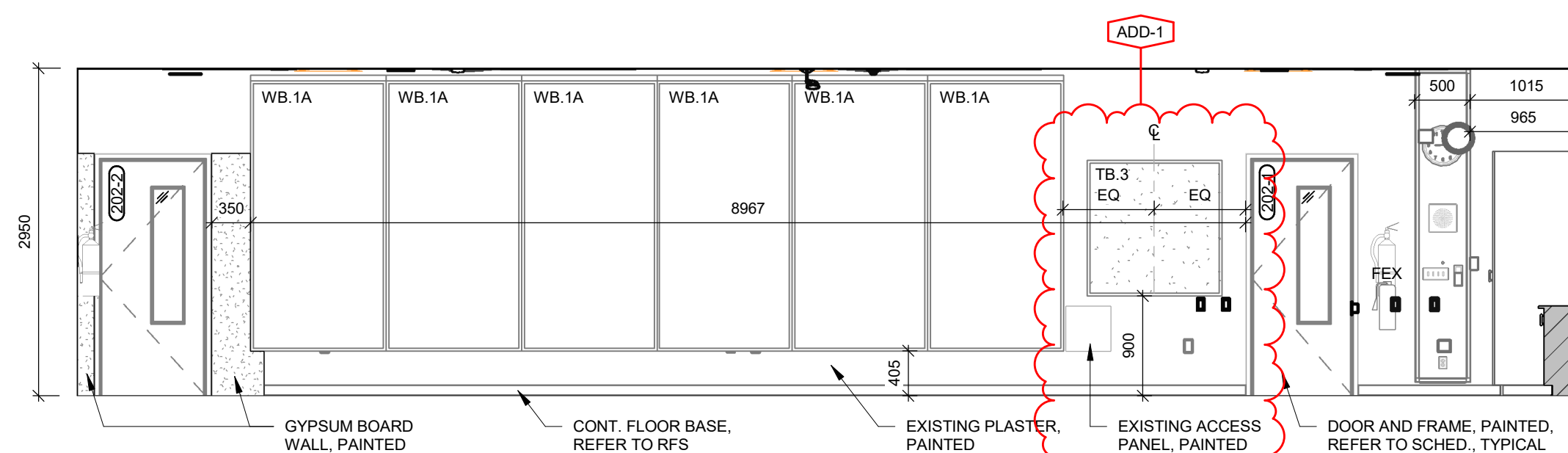
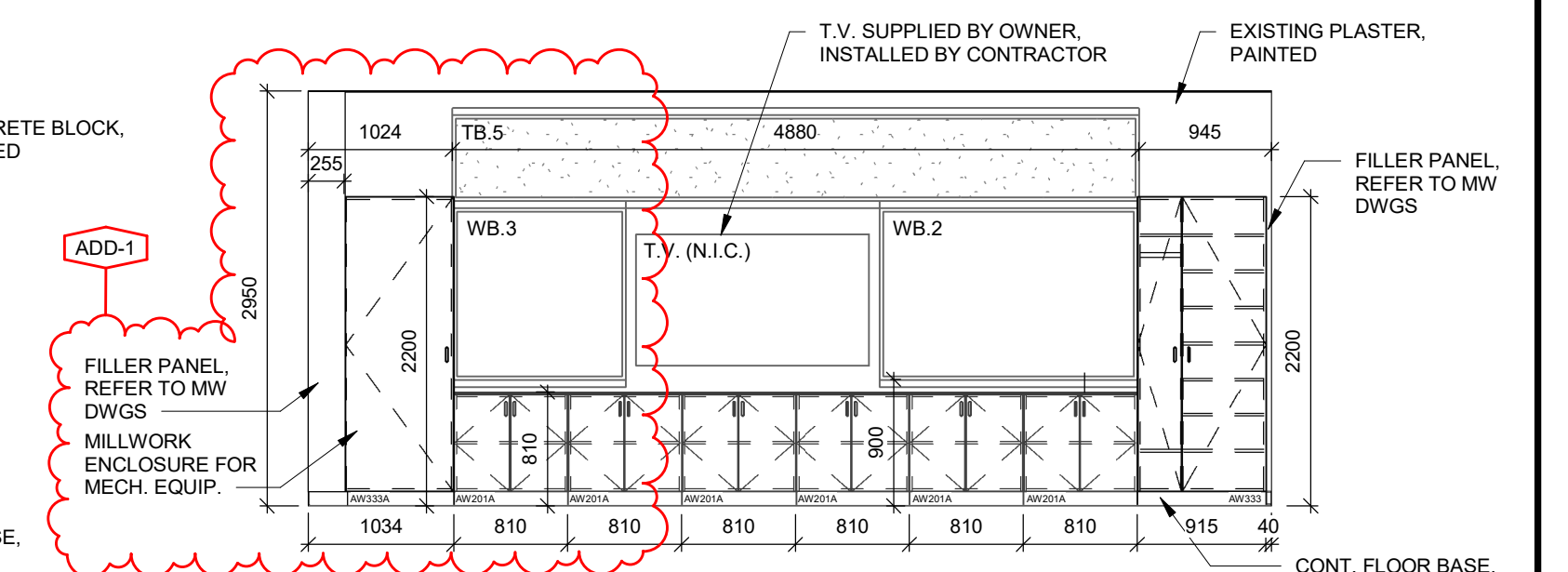
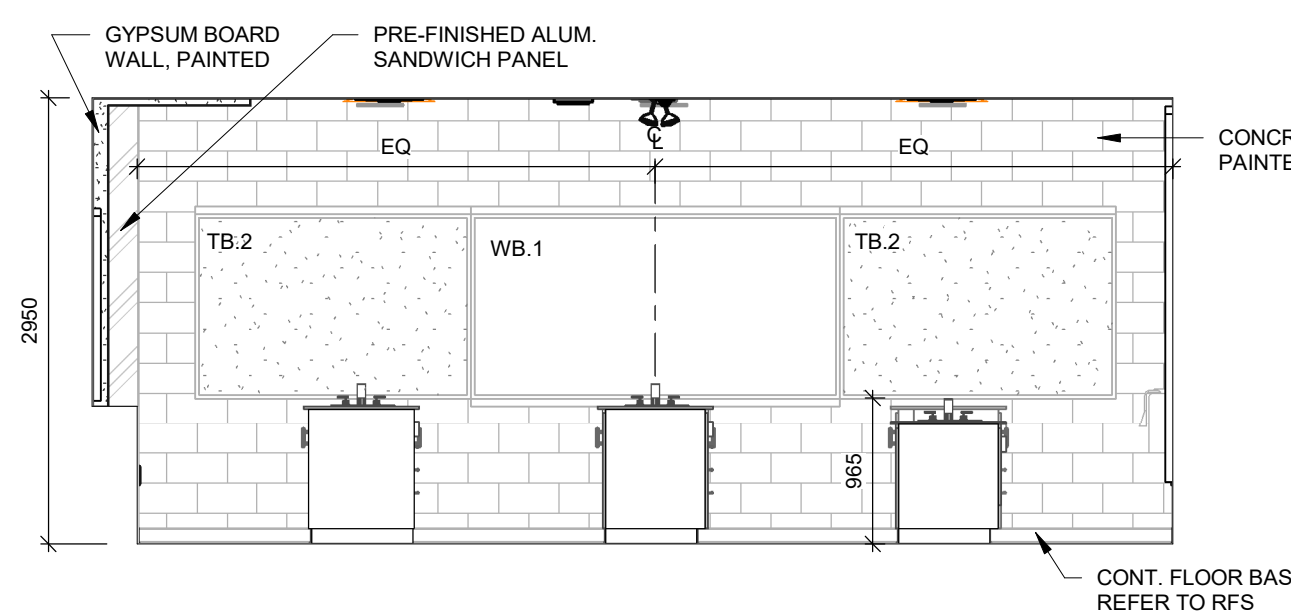
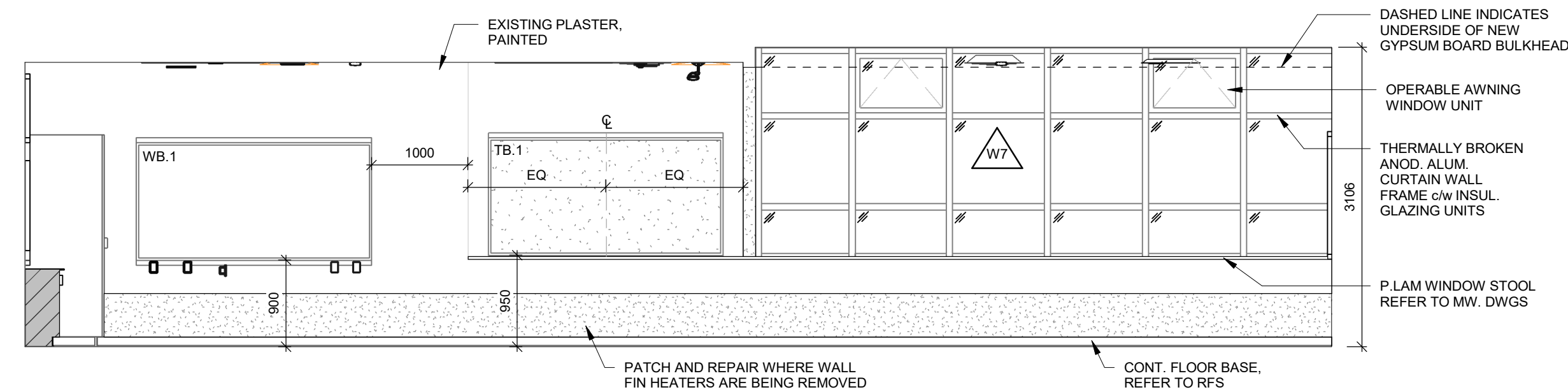
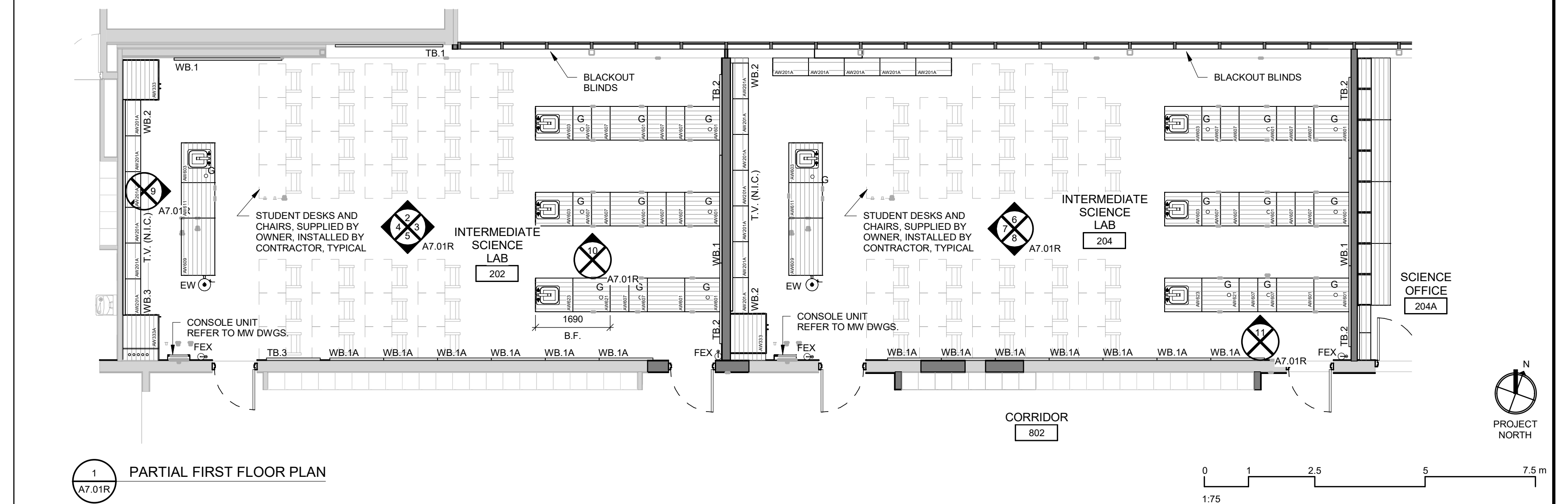
5 TYPICAL REVERSE BULKHEAD DETAIL  
A3.01R



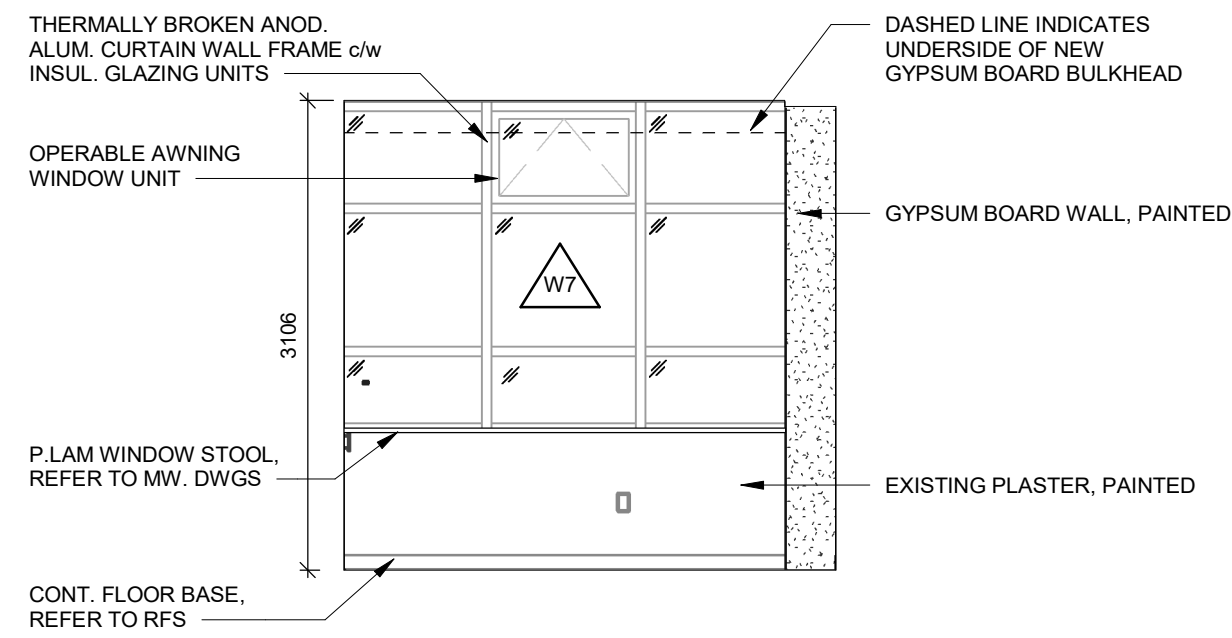
4 TYPICAL SPRAY-APPLIED FIRE PROOFING DETAIL  
A3.01R

REFLECTED CEILING PLAN LEGEND			
NOTES:			
1. READ REFLECTED CEILING PLANS IN CONJUNCTION WITH FLOOR PLANS, ROOM FINISH SCHEDULE, MECHANICAL DOCUMENTS AND ELECTRICAL DOCUMENTS.			
2. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.			
3. LOCATIONS OF ITEMS SHOWN ON ARCHITECTURAL DRAWINGS SHALL GOVERN OVER OTHER REFERENCES.			
4. PAINT THE REGULAR EDGE OF ALL FIELD CUT EDGES OF CEILING TILE.			
	RECESSED LIGHT FIXTURE (REFER TO ELEC. DWGS.)		CEILING HEIGHT
	SUSPENDED LIGHT FIXTURE (REFER TO ELEC. DWGS.)		EXPOSED CEILING
	SMOKE DETECTOR (REFER TO ELEC. DWGS.)		EXISTING 610 x 1220mm SUSPENDED ACOUSTIC CEILING TILE
	EXHAUST GRILLE (REFER TO MECH. DWGS.)		NEW 610 x 1220mm SUSPENDED ACOUSTIC CEILING TILE
	SUPPLY / RETURN AIR DIFFUSER (SEE MECH. DWGS.)		EXISTING GYPSUM BOARD - PAINTED
	RECESSED SPRINKLER HEAD/ PENDANT SPRINKLER HEAD		NEW GYPSUM BOARD - PAINTED
			NEW SPRAY-APPLIED FIRE PROOFING MATERIAL APPLIED TO EXISTING STRUCTURE, DYED BLUE, PAINT TO MATCH ADJACENT CEILING, REFER TO TYPICAL DETAIL ON A0.01

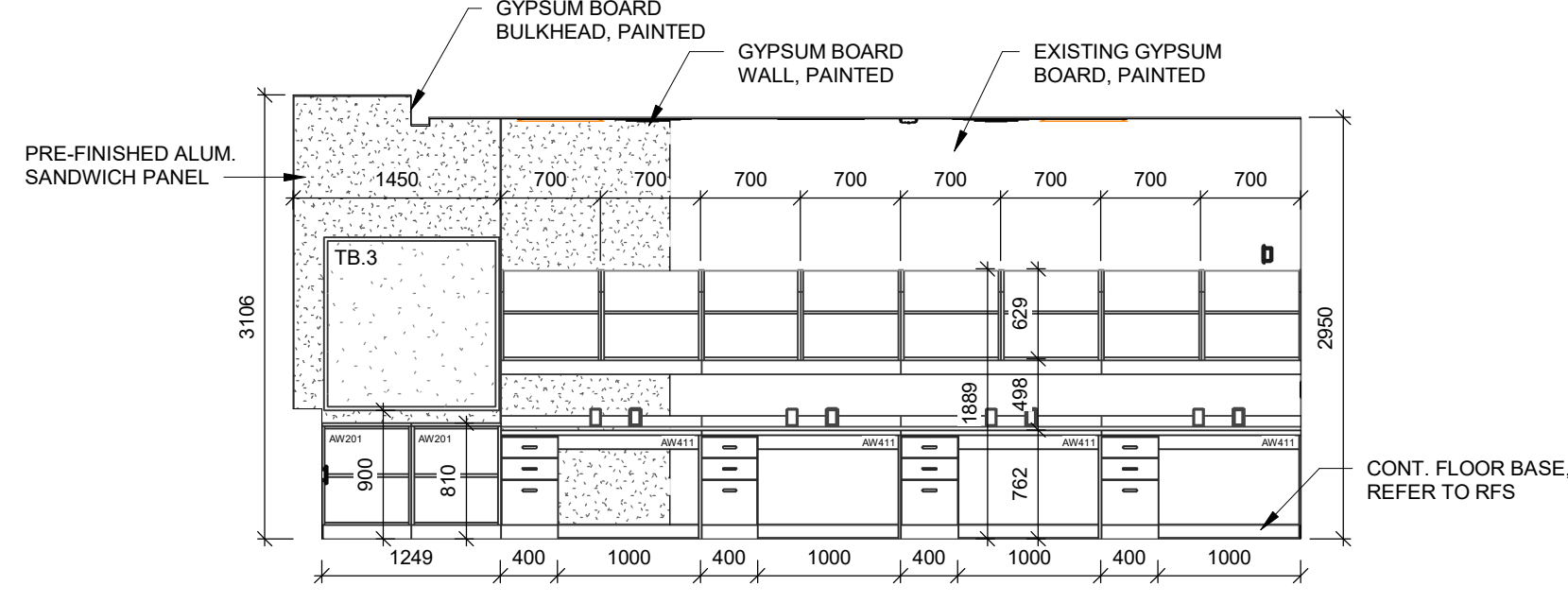




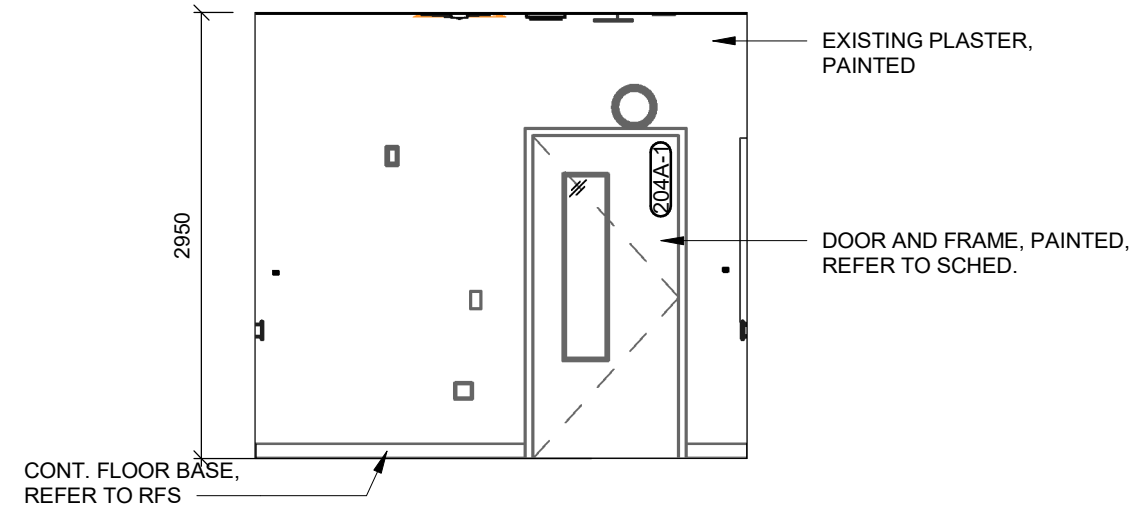




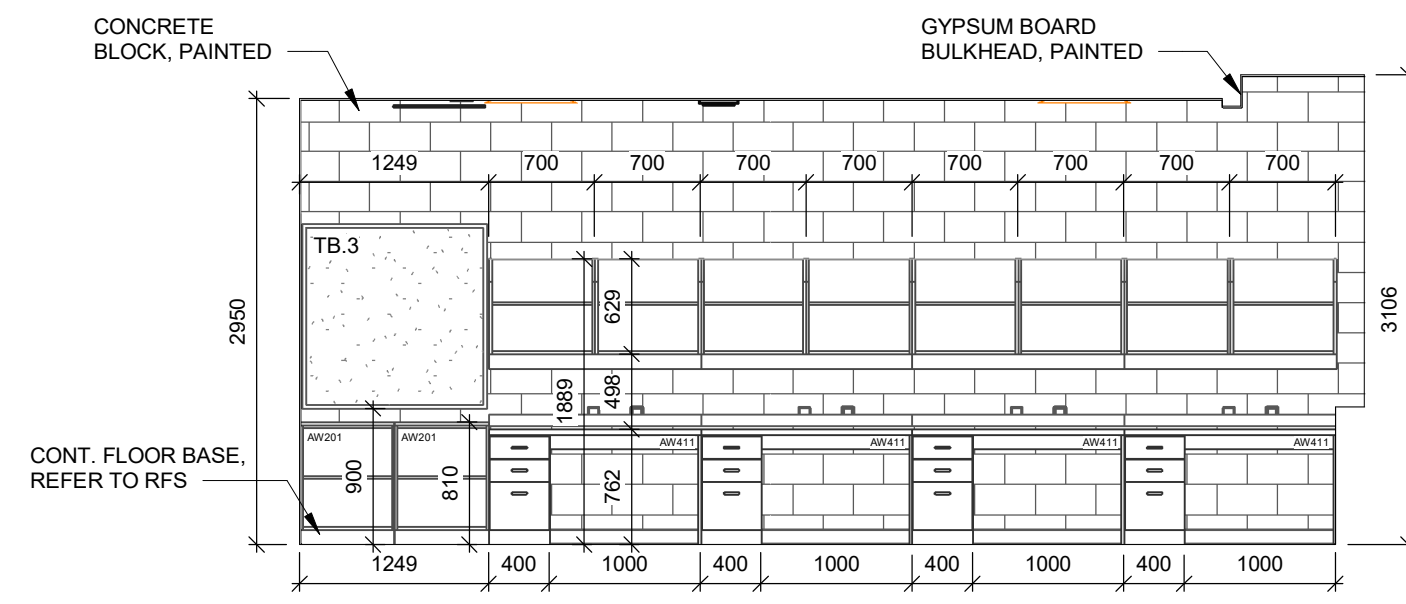
2 SCIENCE OFFICE 204A - NORTH ELEVATION  
A7.02R



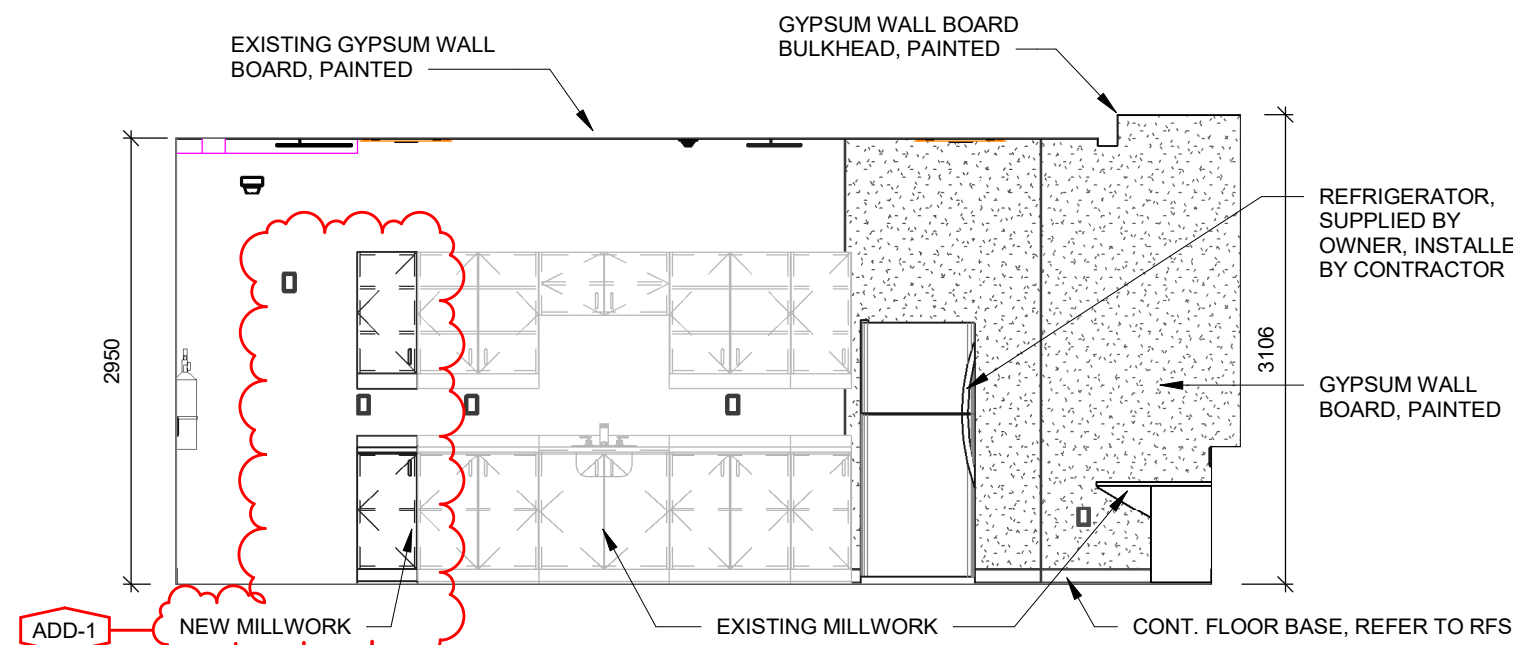
3 SCIENCE OFFICE 204A - EAST ELEVATION  
A7.02R



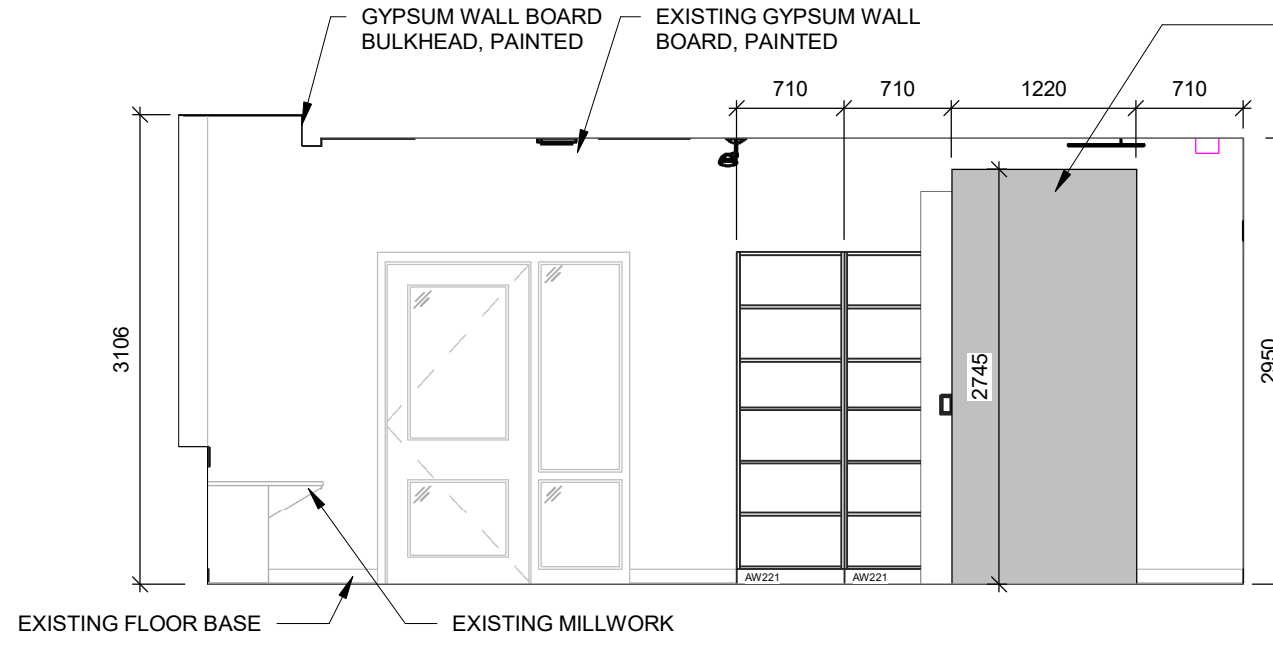
4 SCIENCE OFFICE 204A - SOUTH ELEVATION  
A7.02R



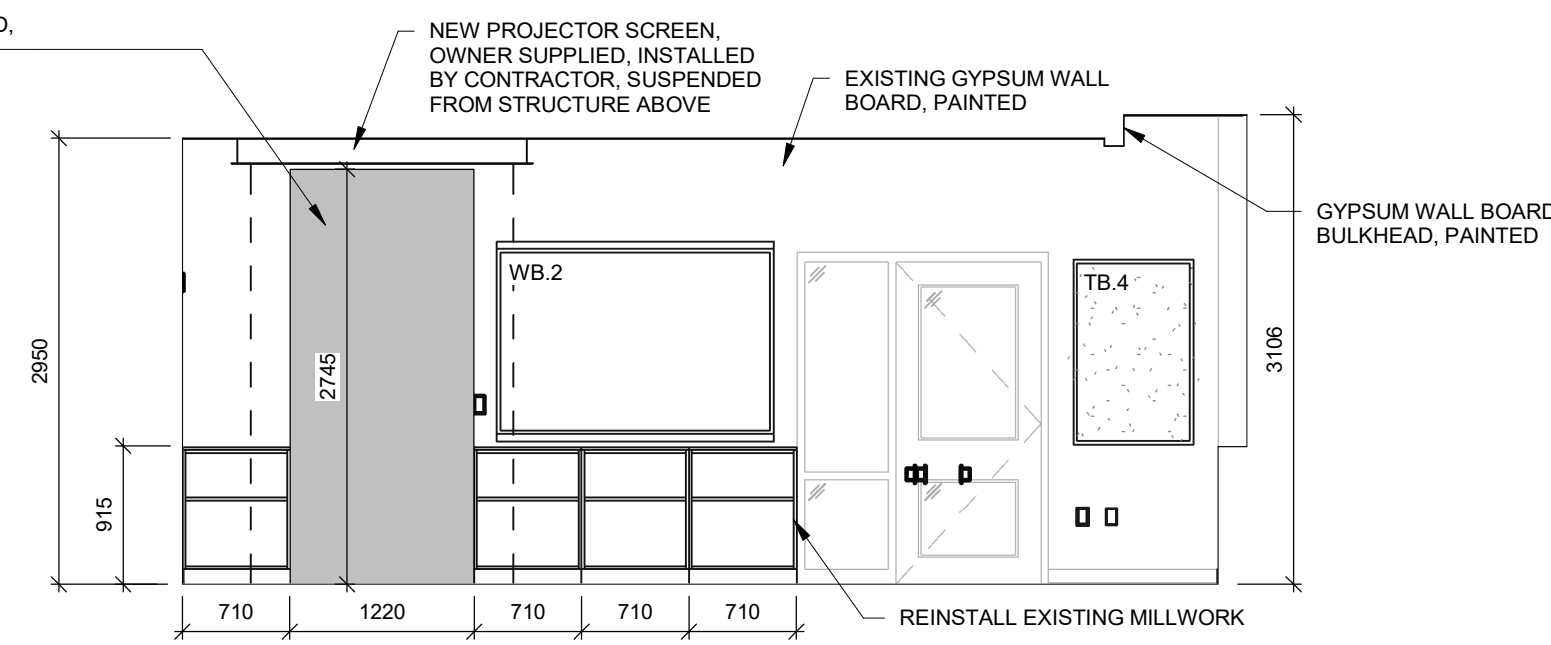
5 SCIENCE OFFICE 204A - WEST ELEVATION  
A7.02R



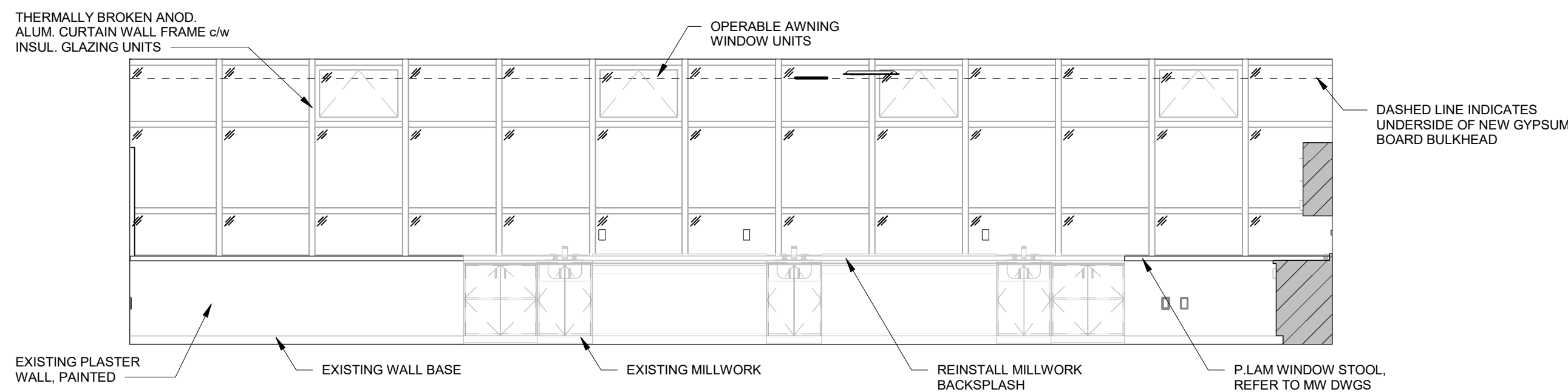
6 PREP ROOM 206 - WEST ELEVATION  
A7.02R



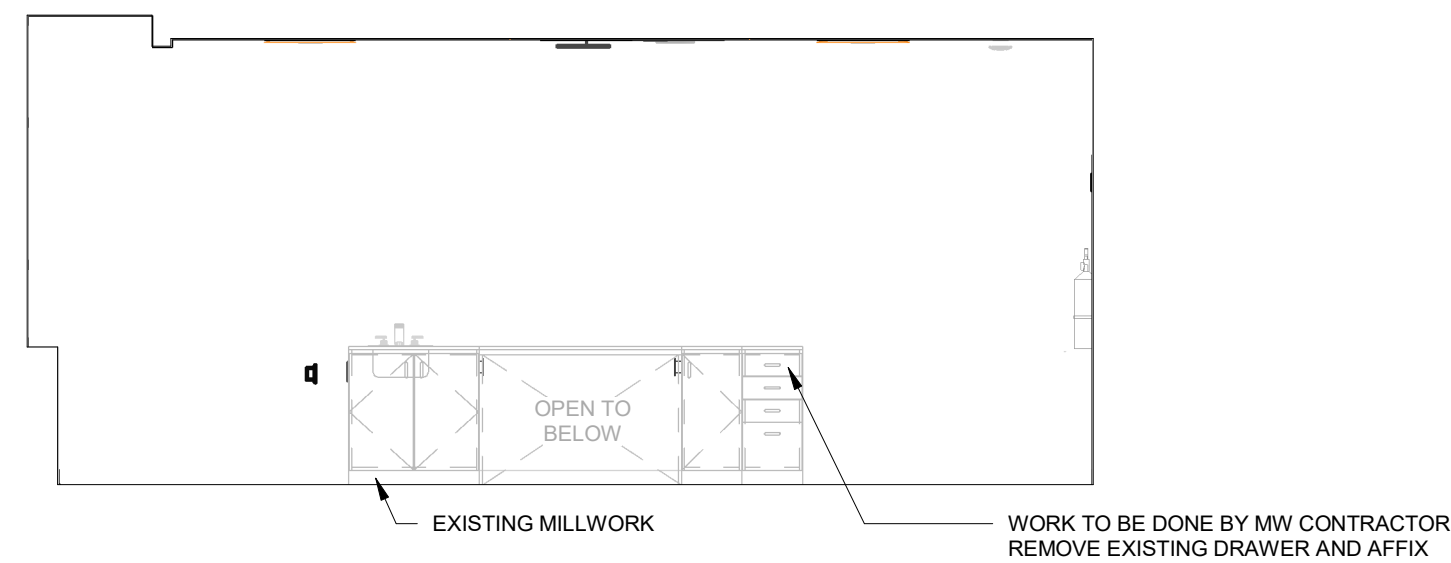
7 PREP ROOM 206 - EAST ELEVATION  
A7.02R



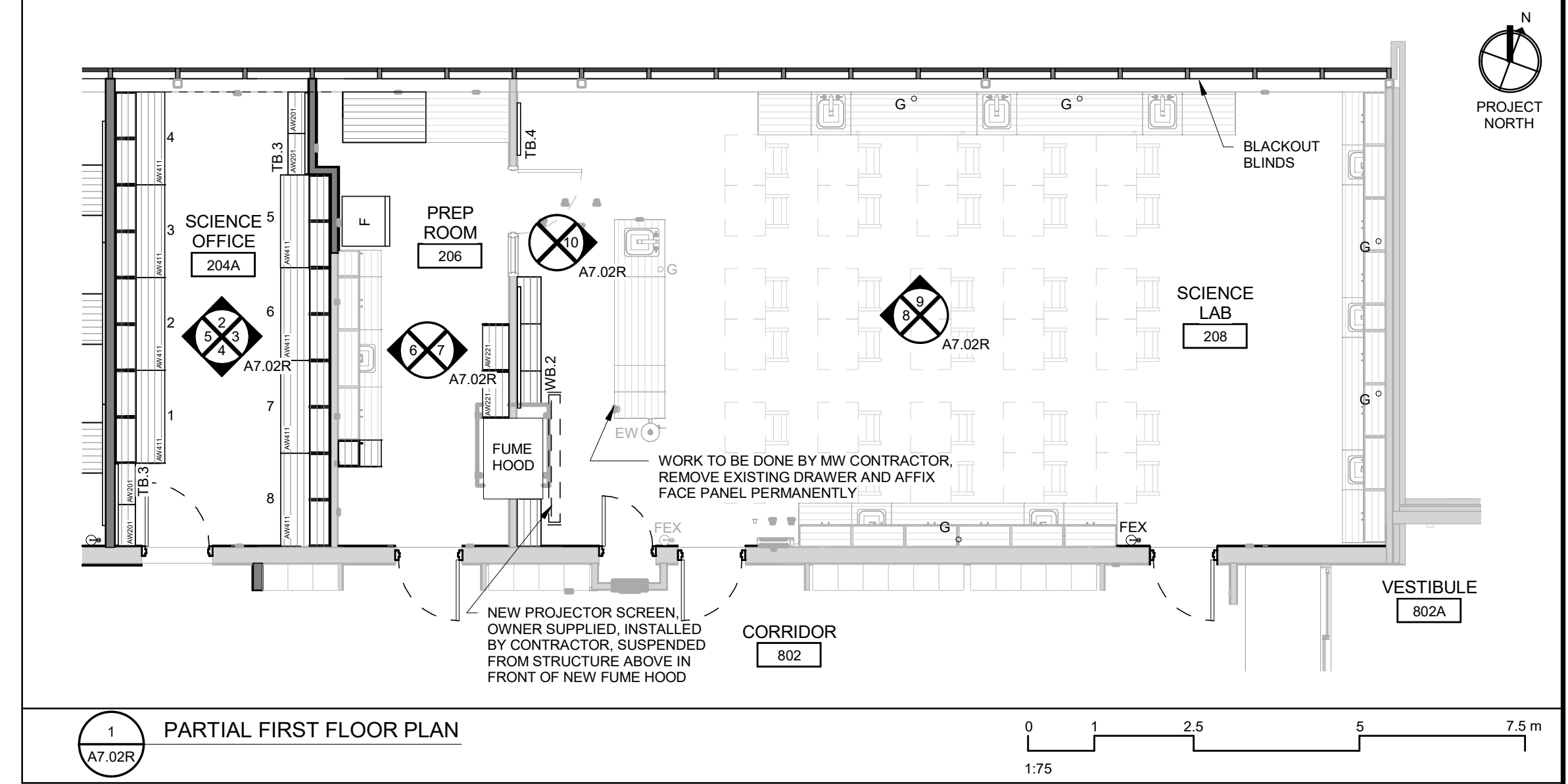
8 SCIENCE LAB 208 - WEST ELEVATION  
A7.02R



9 SCIENCE LAB 208 - NORTH ELEVATION  
A7.02R



10 SCIENCE LAB 208 - TEACHER'S BENCH ELEVATION  
A7.02R



1 PARTIAL FIRST FLOOR PLAN  
A7.02R

Waterloo-Oxford District Secondary School

ACE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS

INTERIOR ELEVATIONS

1205 Snyder's Rd W. Baden, ON N3A 1A4

Project No.: 1128B

Drawn By: DM

Plot Date: 04/09/25

Waterloo Region District School Board

CORNERSTONE ARCHITECTURE

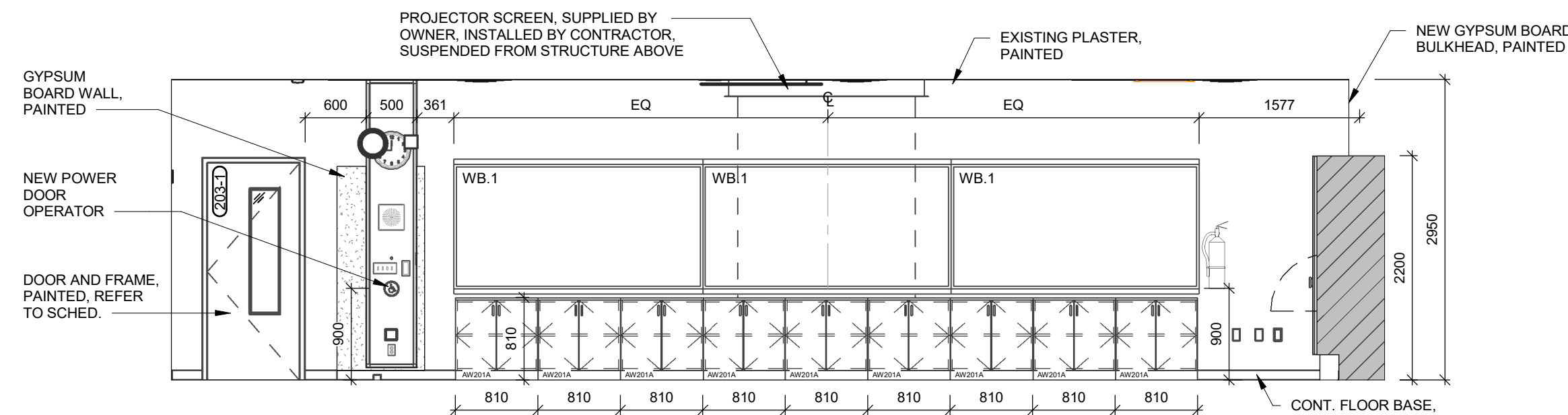
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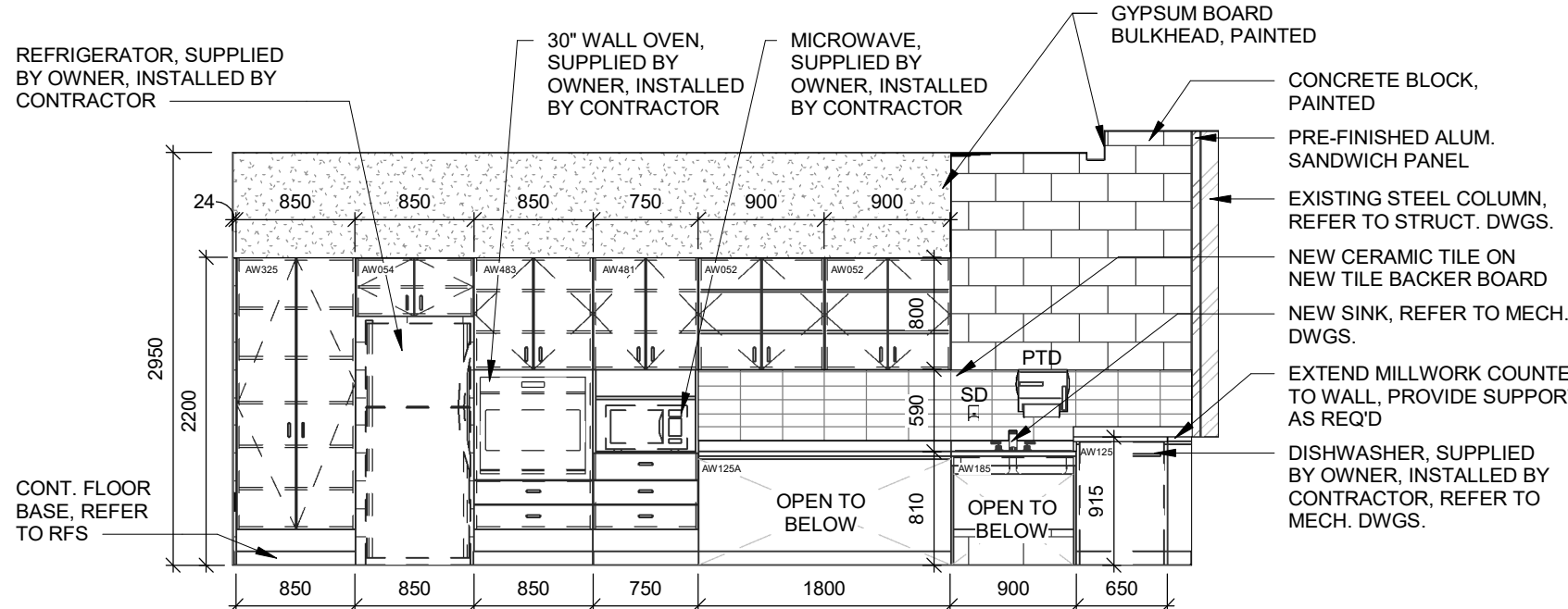
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A7.02R

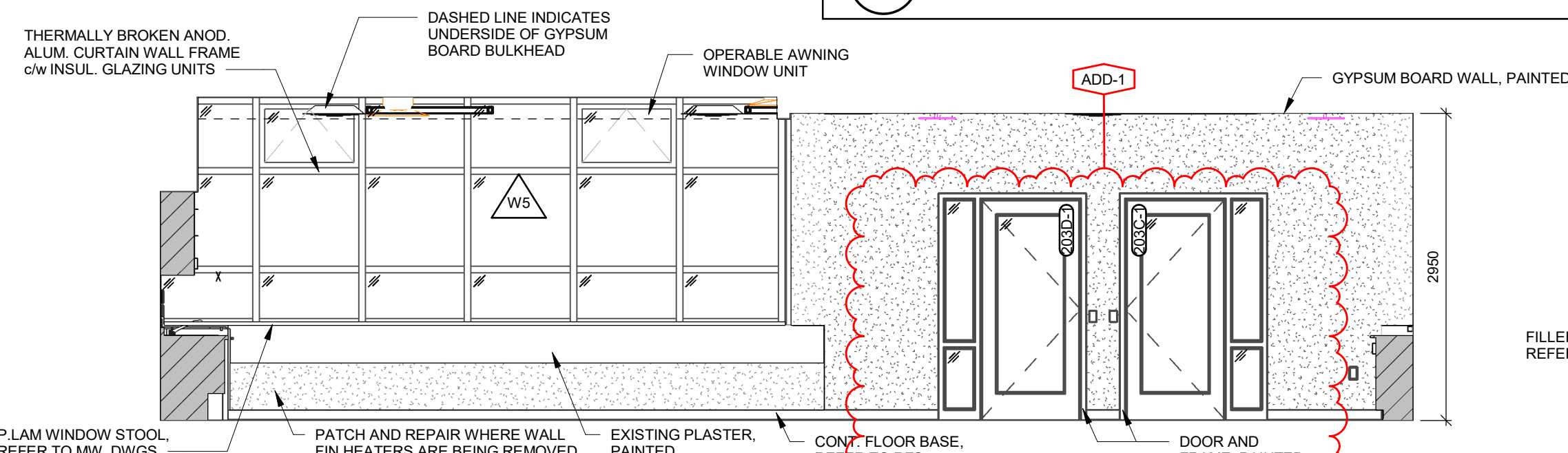




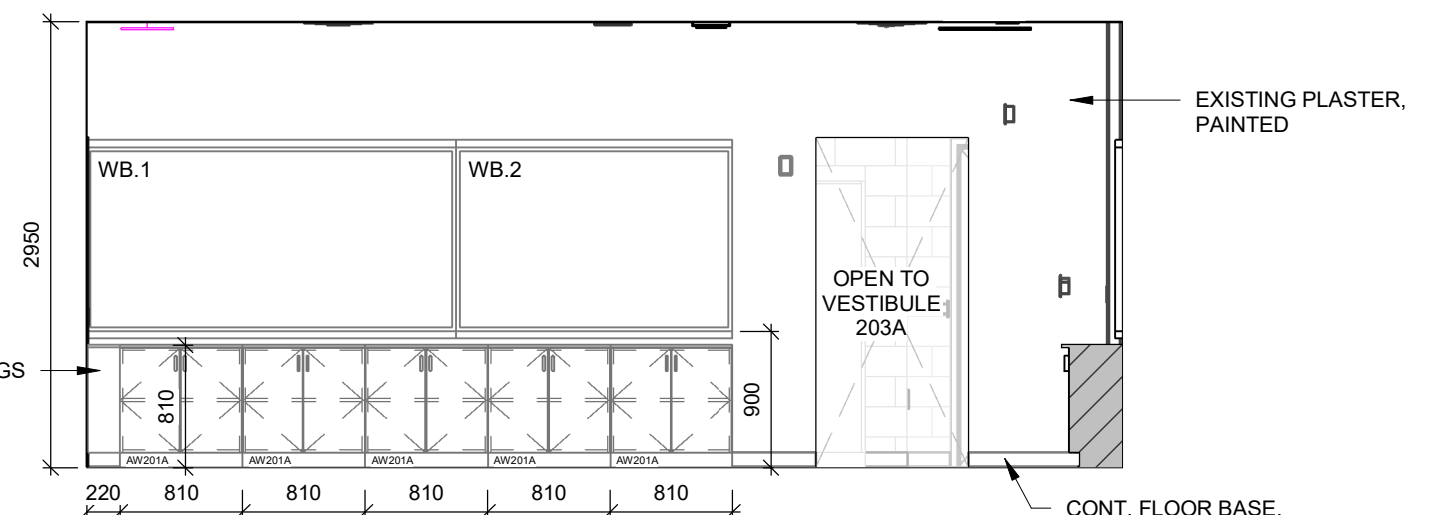
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A7.04R  
ACE DEV ED CLASSROOM 203 - NORTH ELEVATION



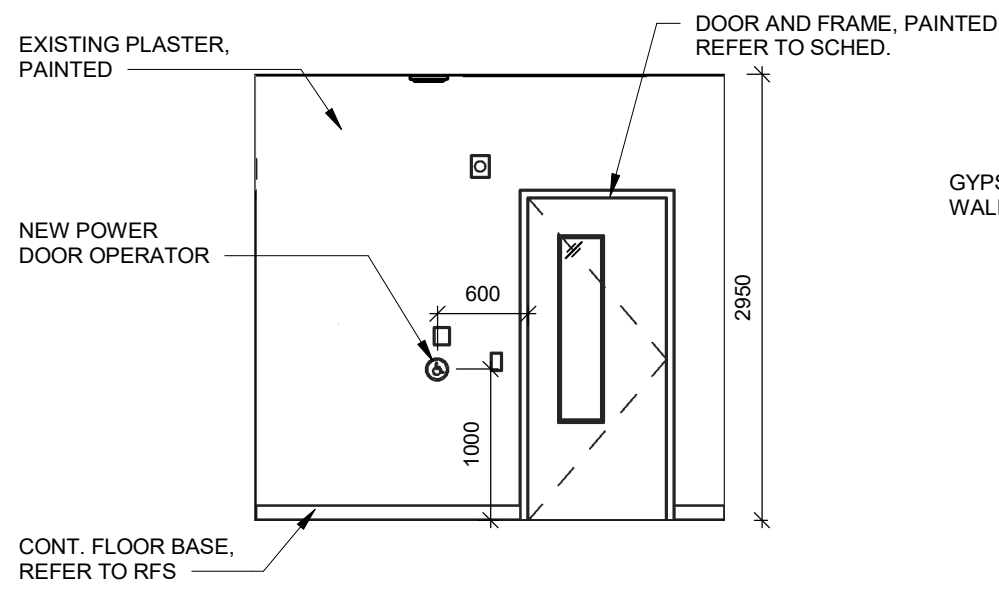
3  
A7.04R  
ACE DEV ED CLASSROOM 203 - EAST ELEVATION



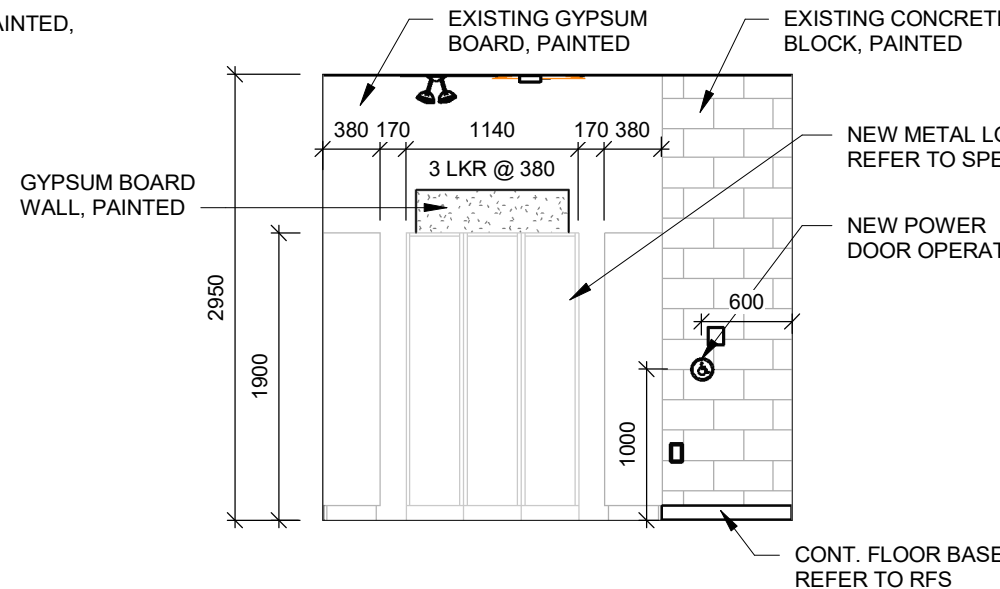
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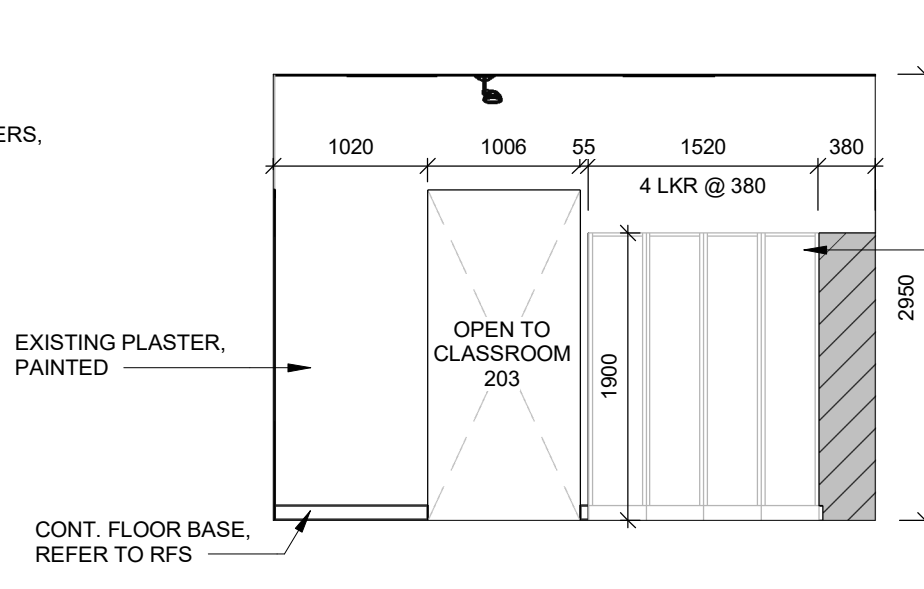
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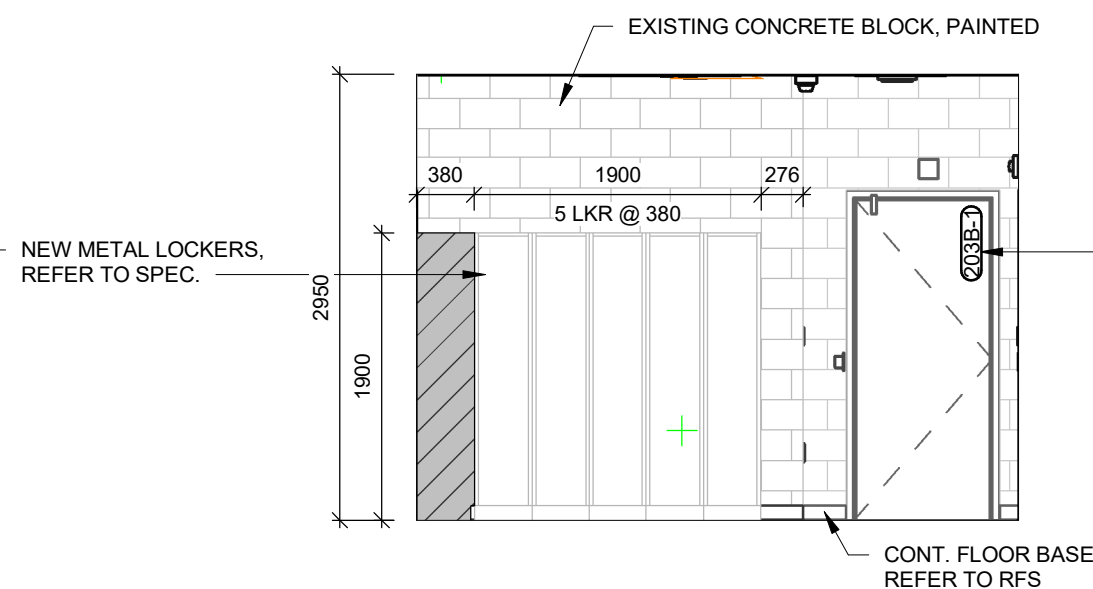
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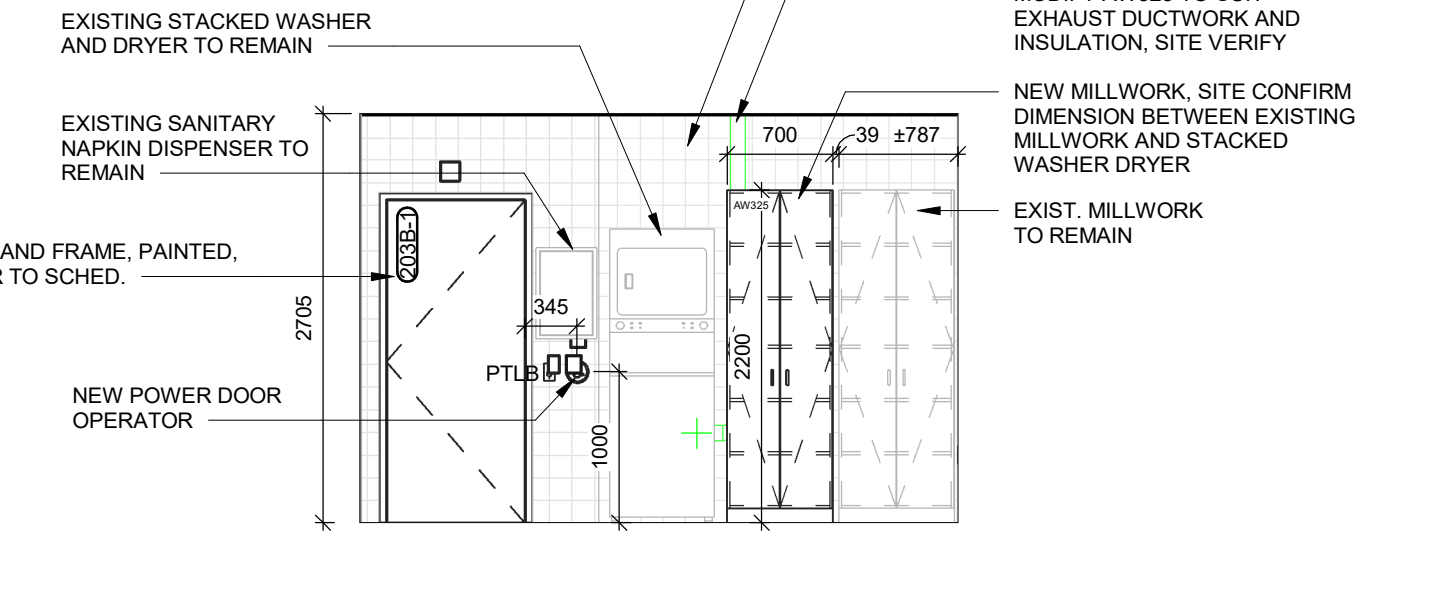
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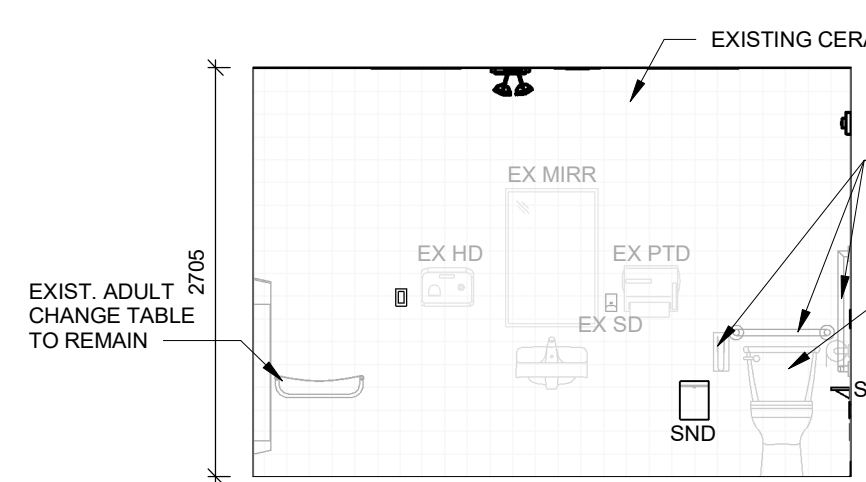
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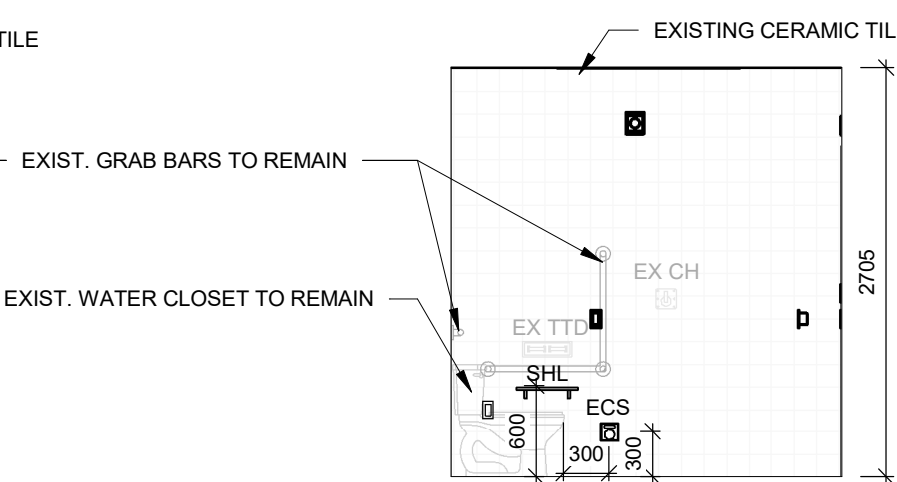
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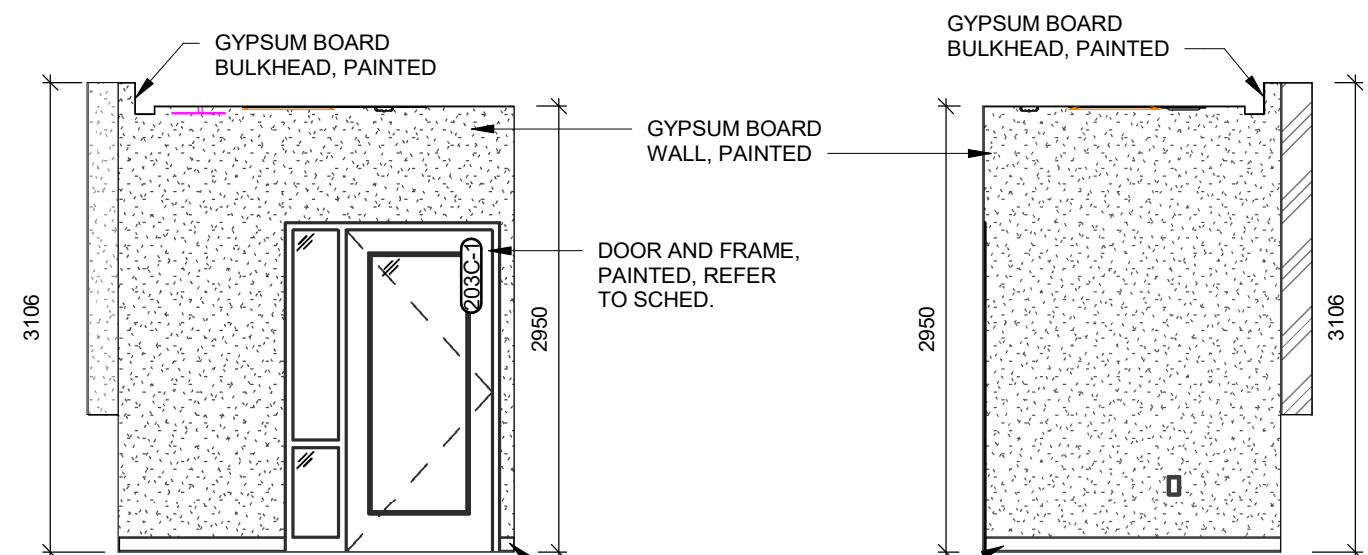
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UNIV. WR 203B - EAST ELEVATION



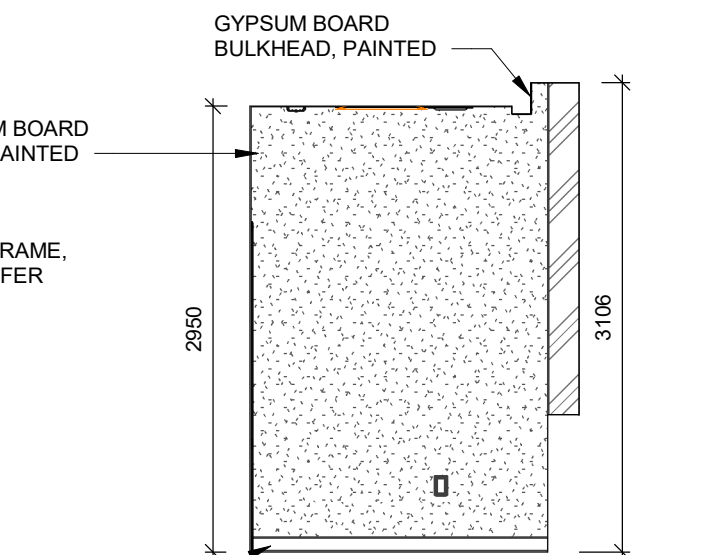
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UNIV. WR 203B - WEST ELEVATION



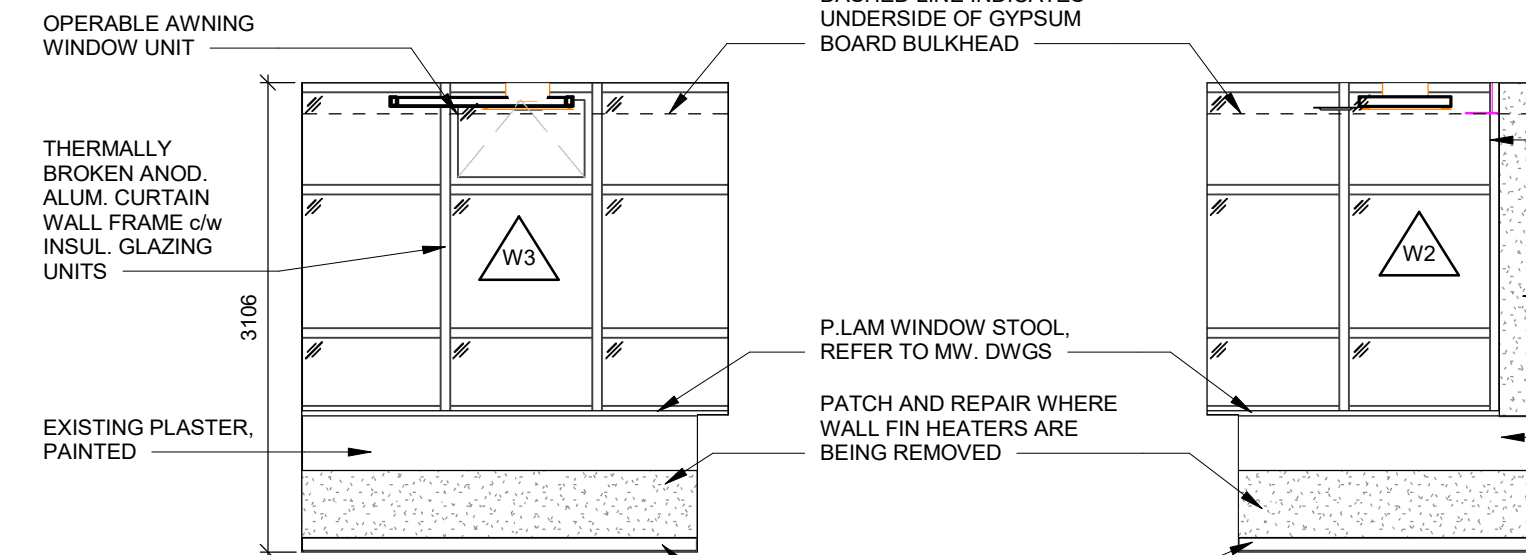
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UNIV. WR 203B - NORTH ELEVATION



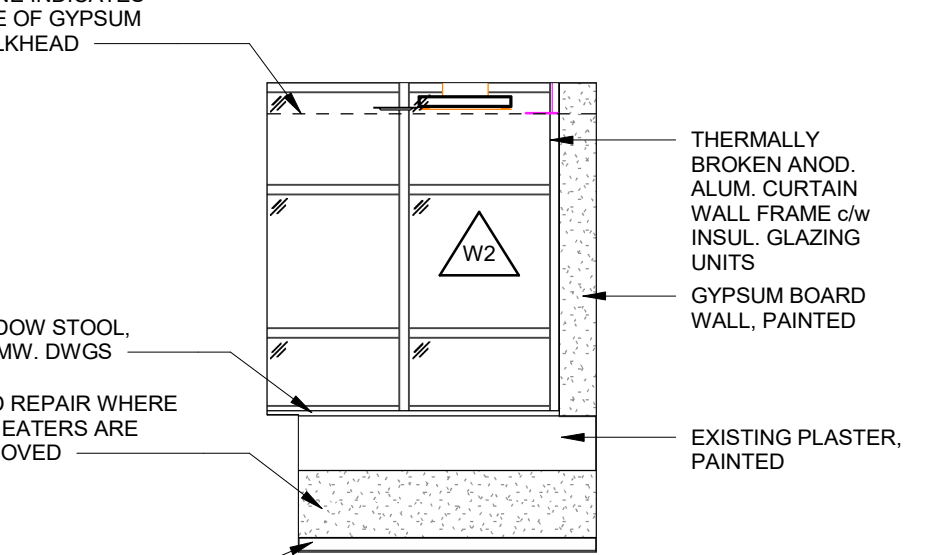
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QUIET RM 203C - NORTH ELEVATION  
MIRRORED - QUIET RM 203D - NORTH ELEVATION



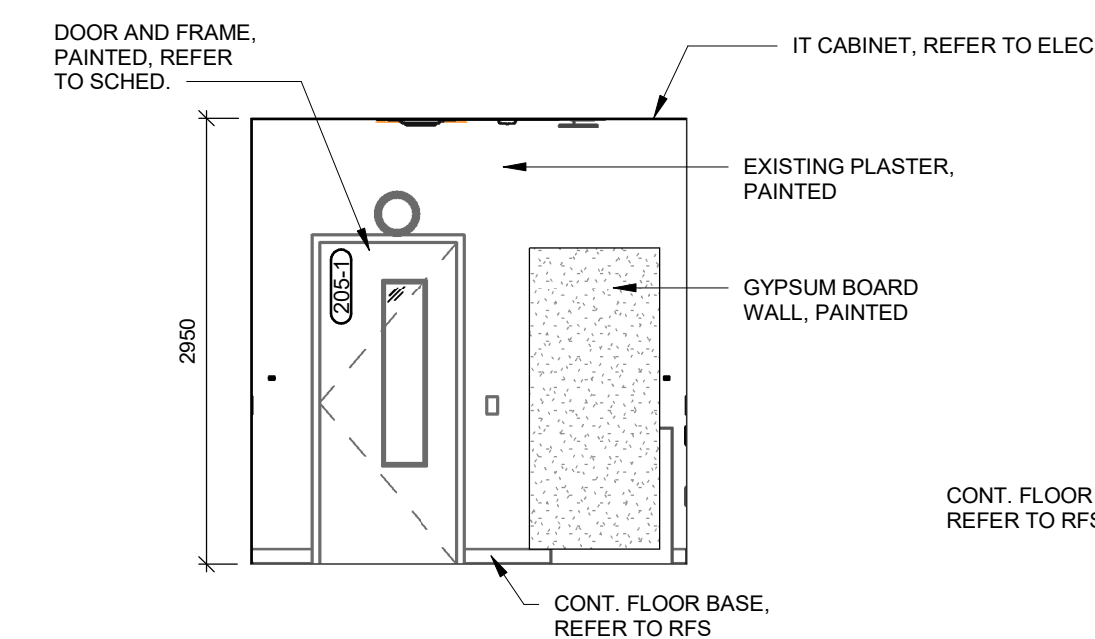
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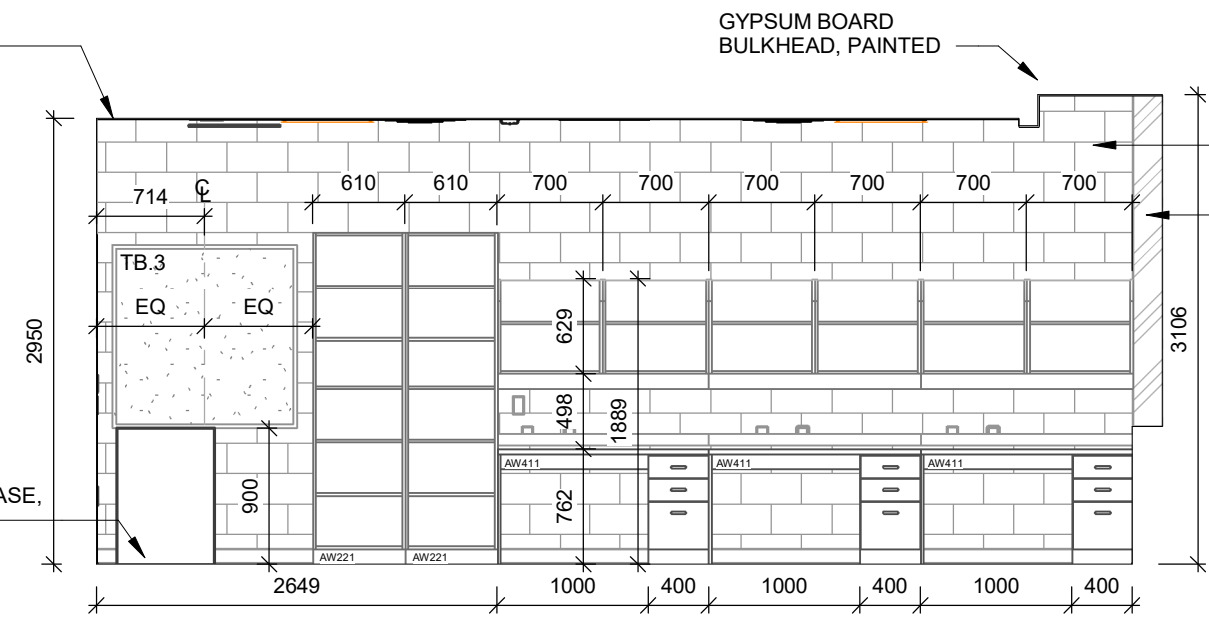
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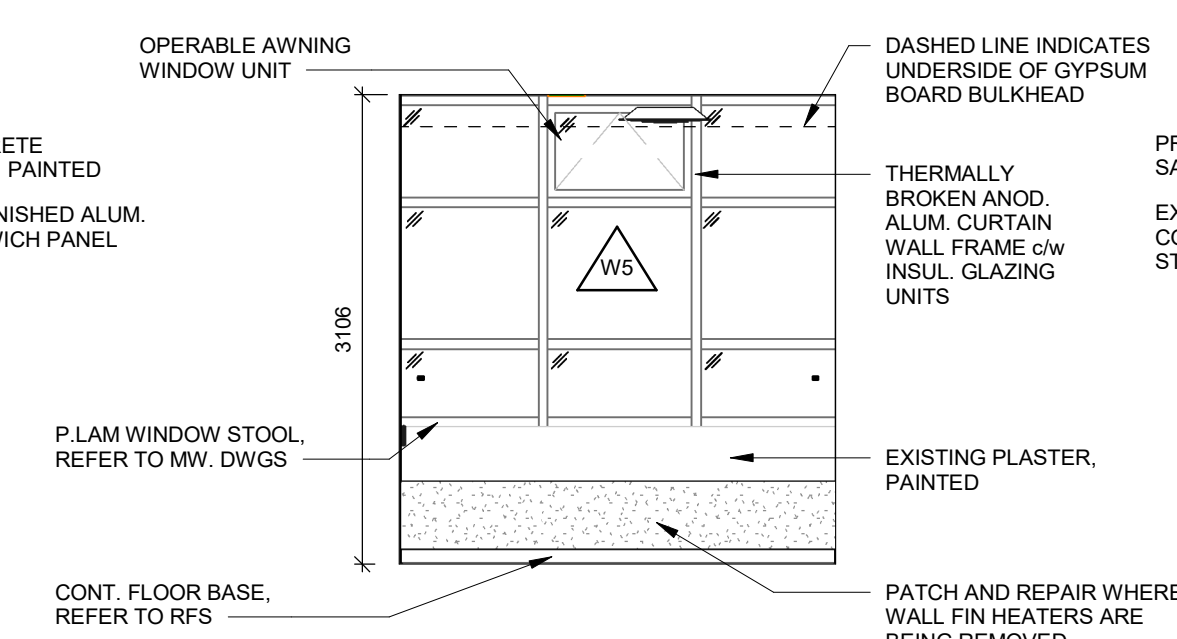
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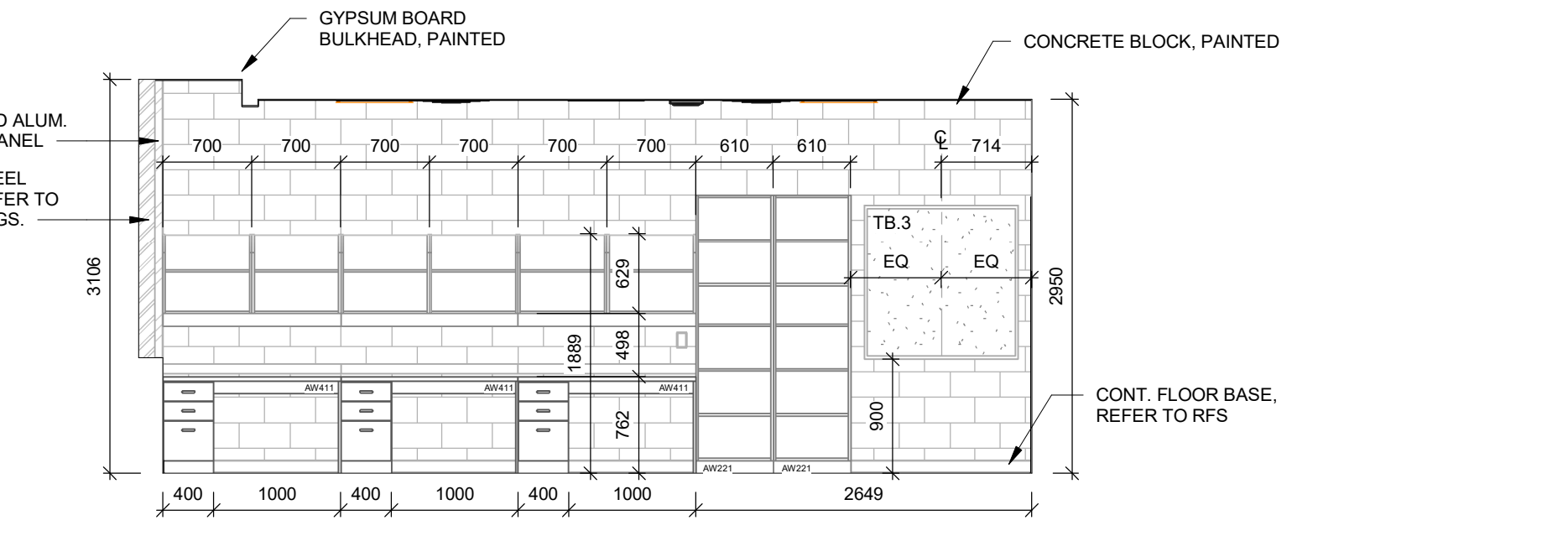
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ACE OFFICE 207 - NORTH ELEVATION



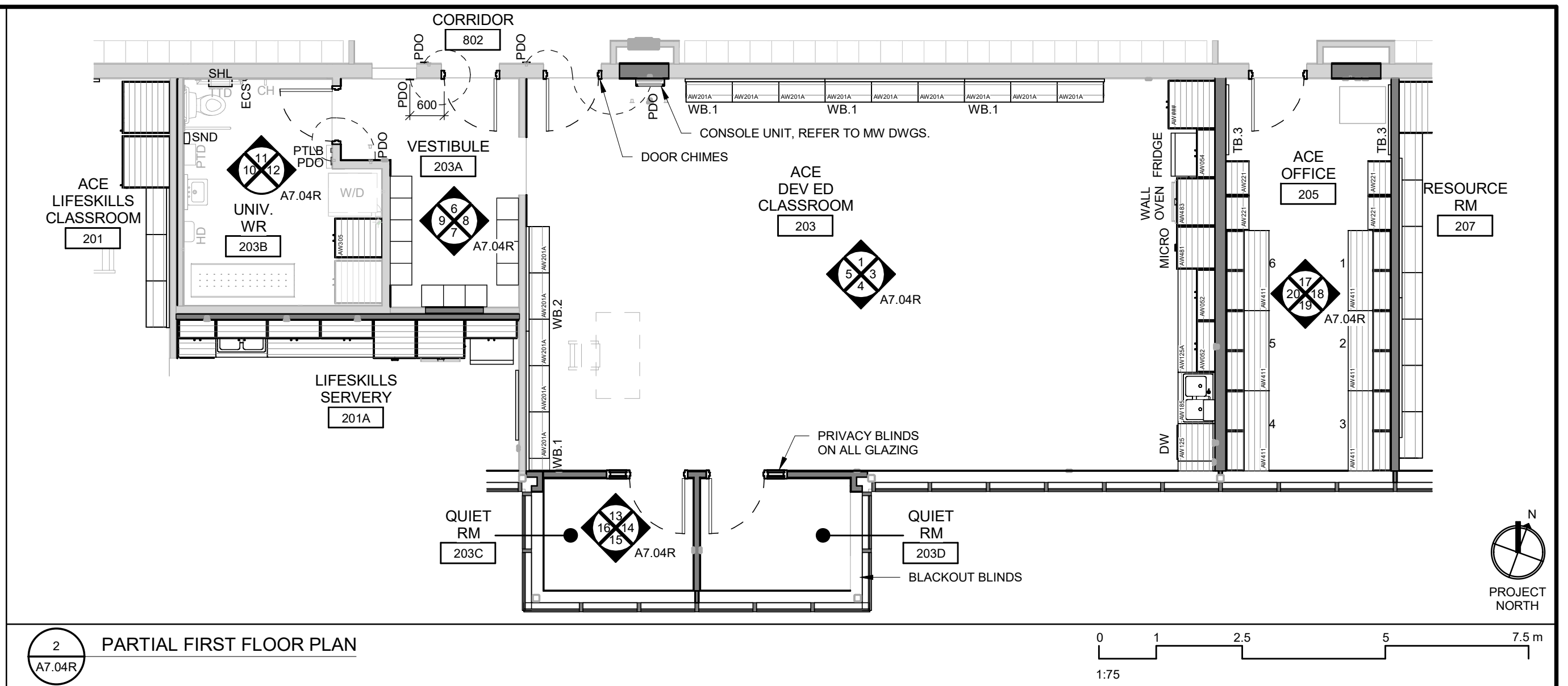
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ACE OFFICE 207 - EAST ELEVATION



19  
A7.04R  
ACE OFFICE 207 - SOUTH ELEVATION



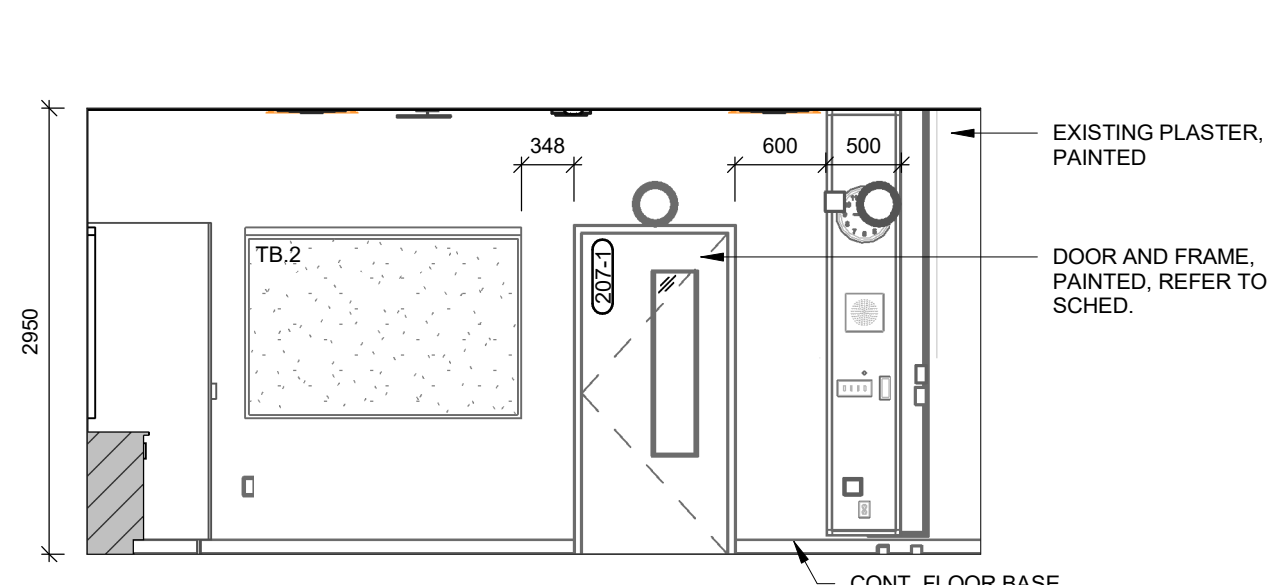
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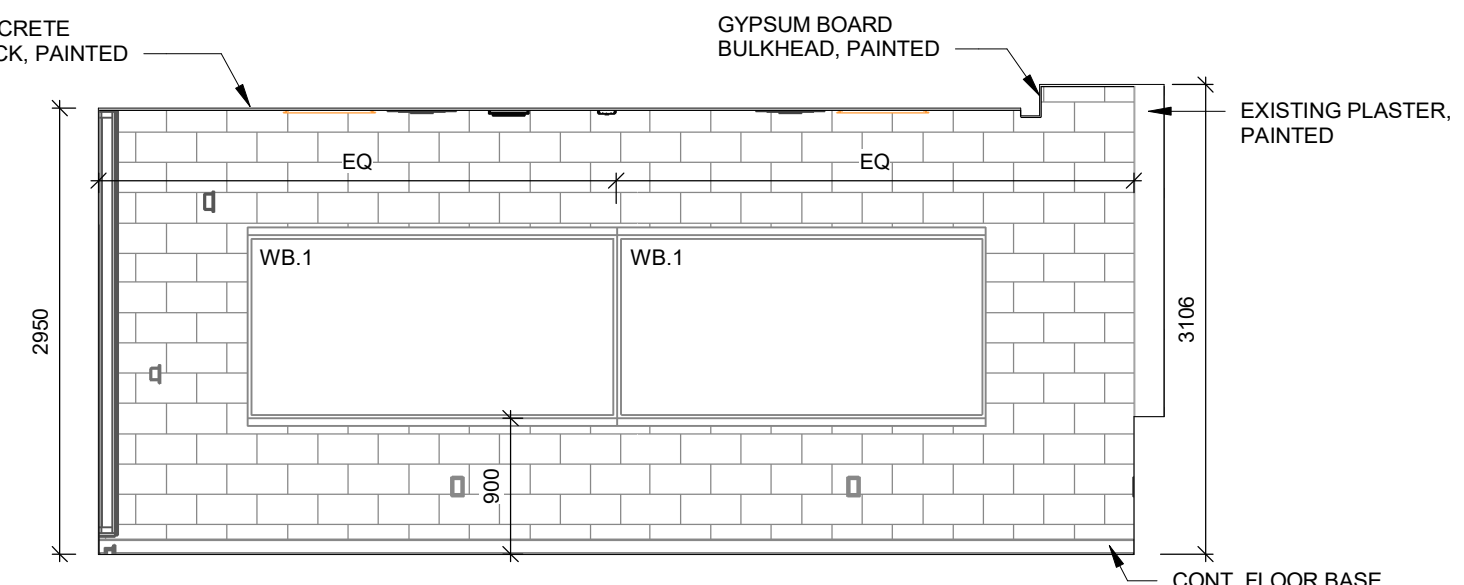
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PARTIAL FIRST FLOOR PLAN



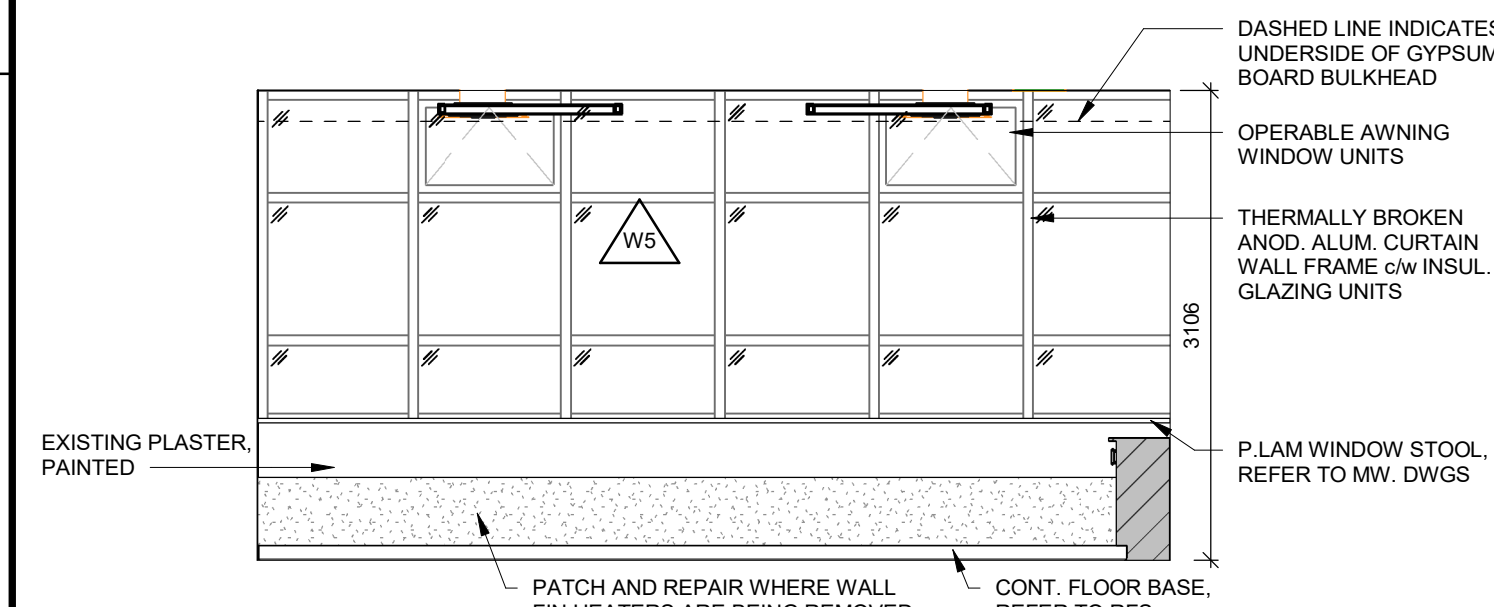




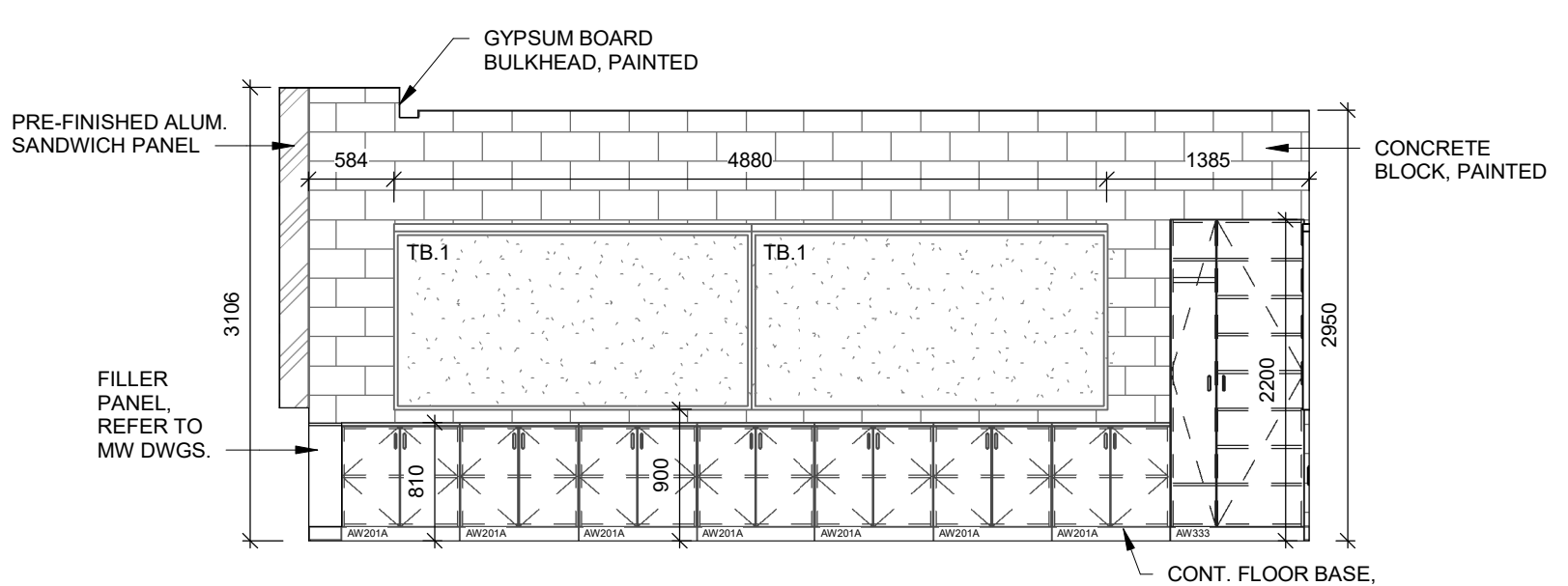
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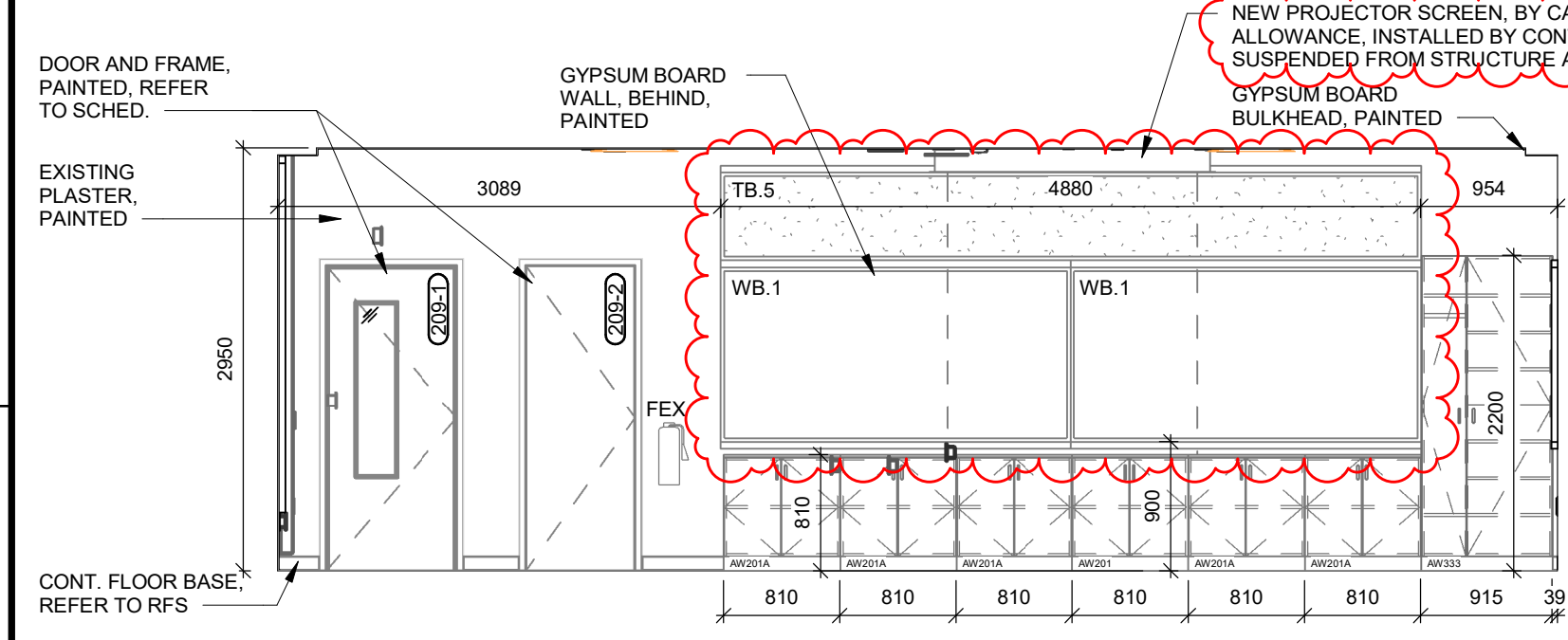
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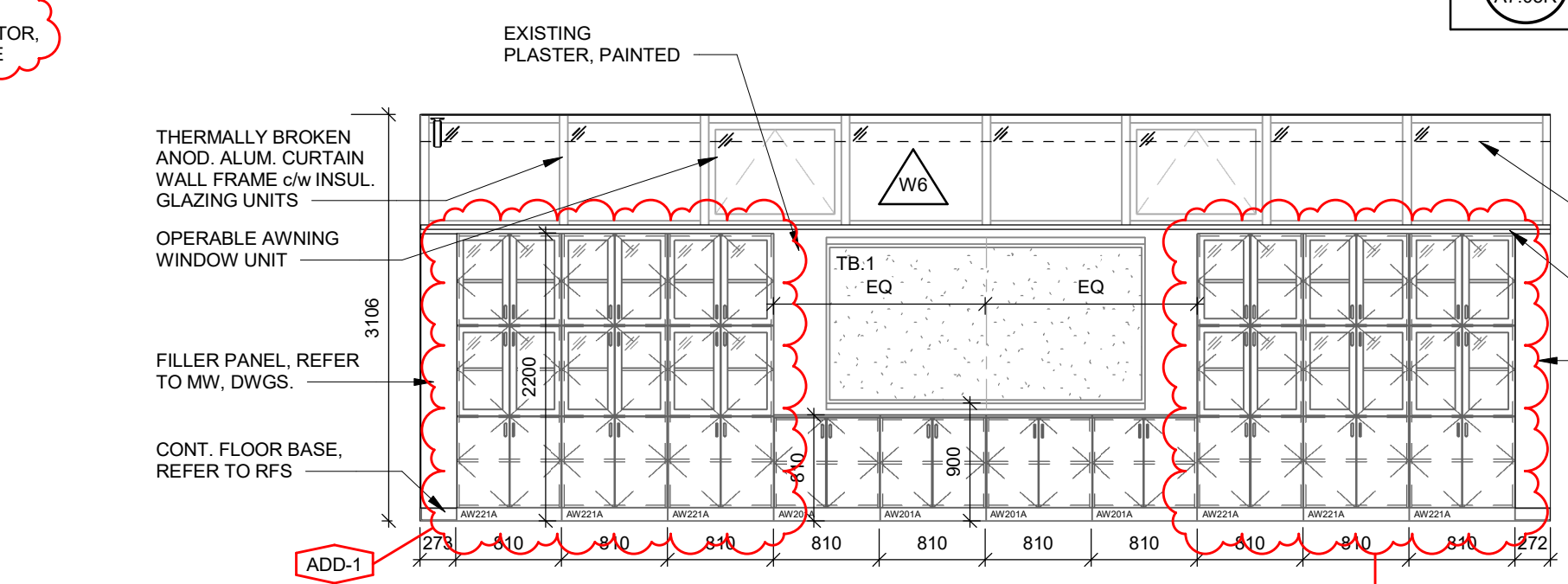
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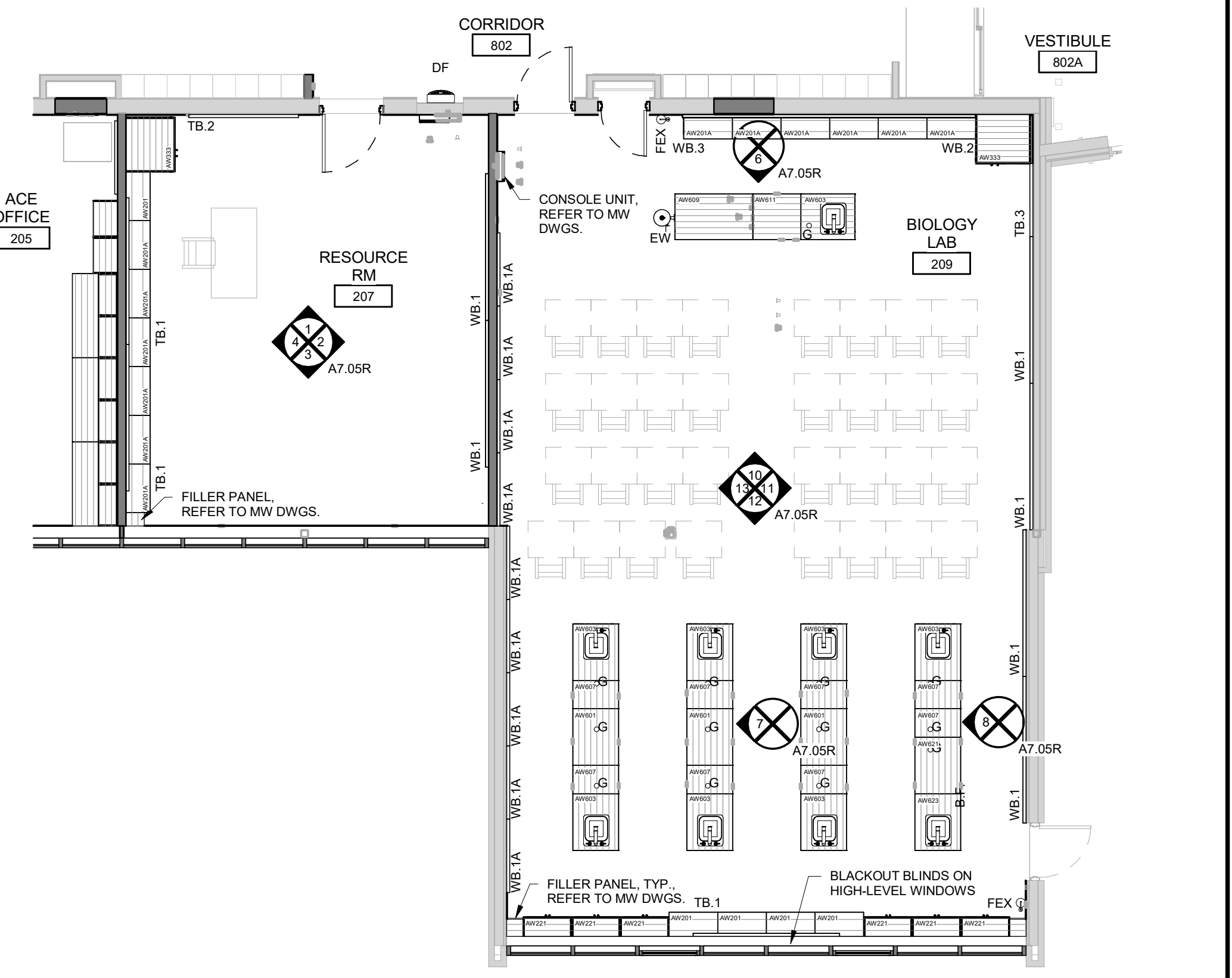
4 RESOURCE RM 205 - WEST ELEVATION  
A7.05R



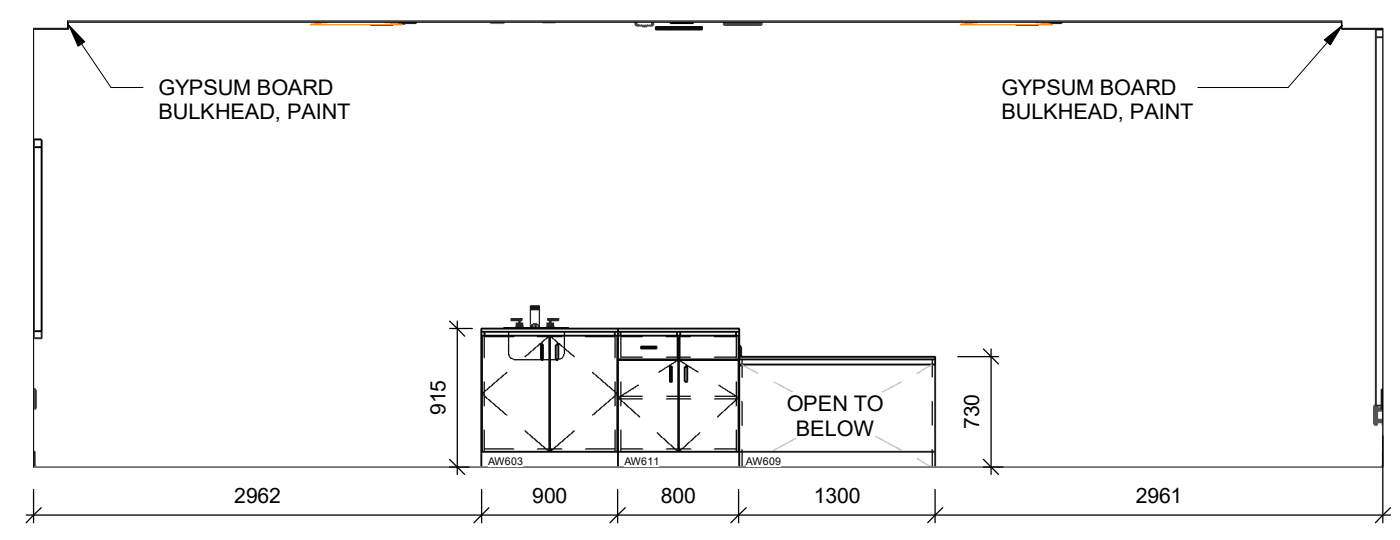
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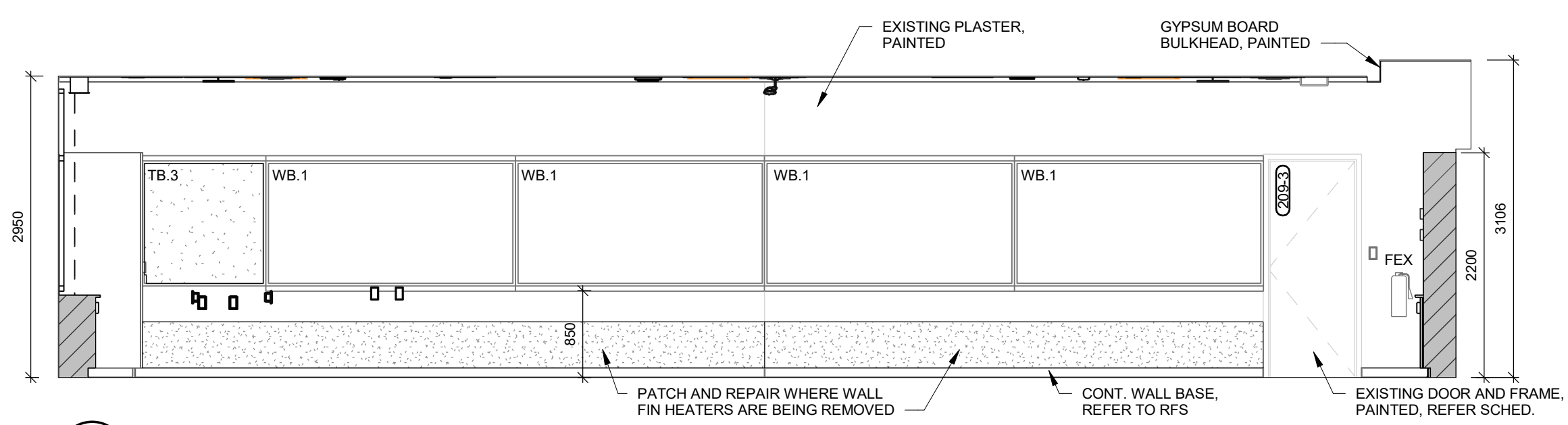
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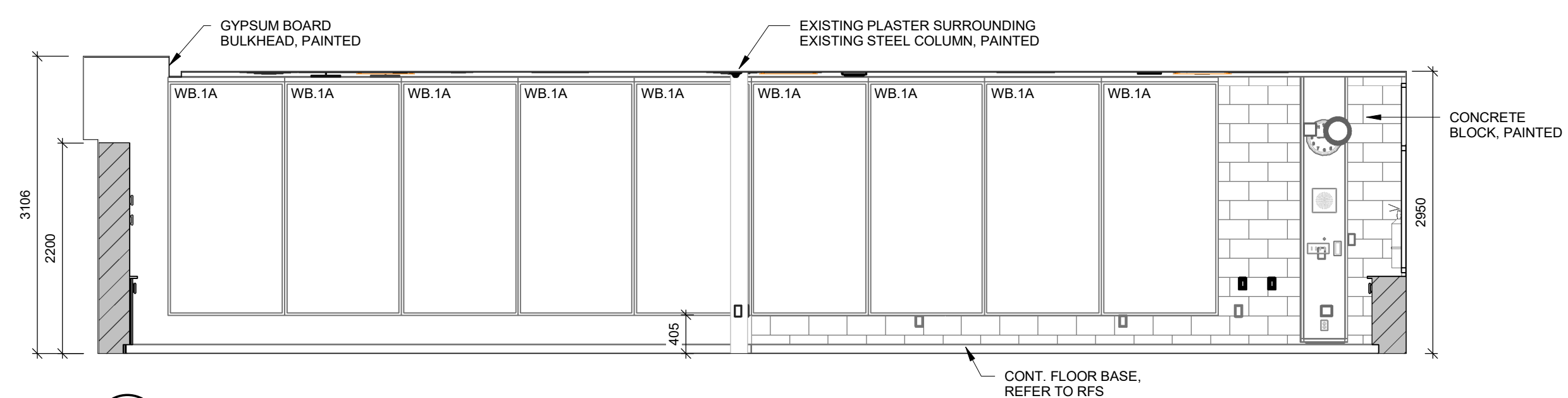
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A7.05R



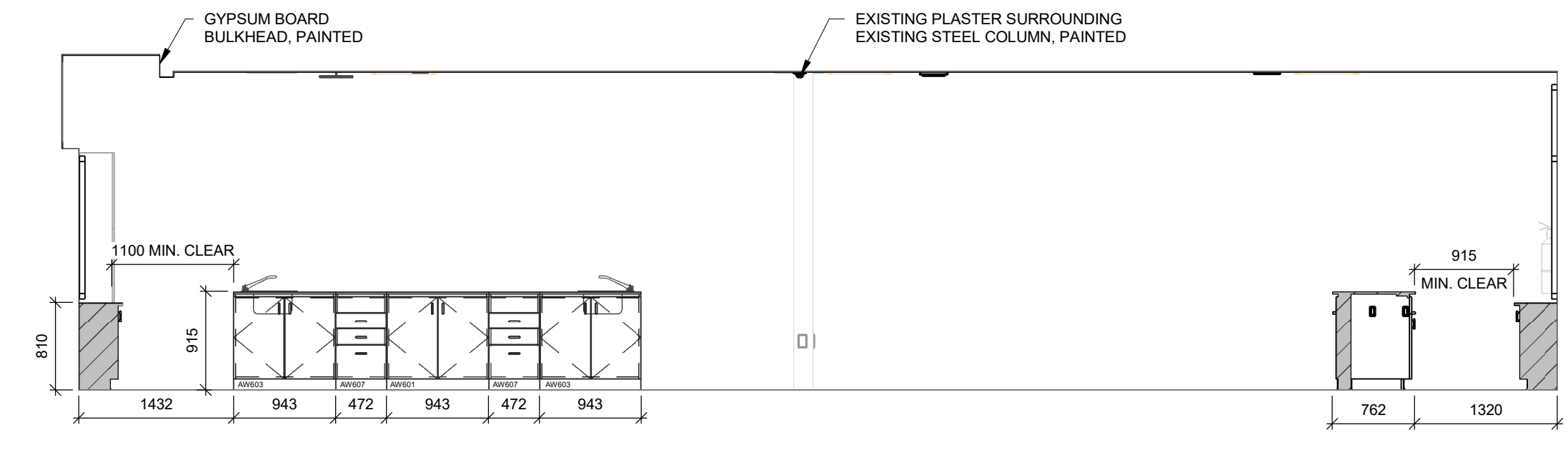
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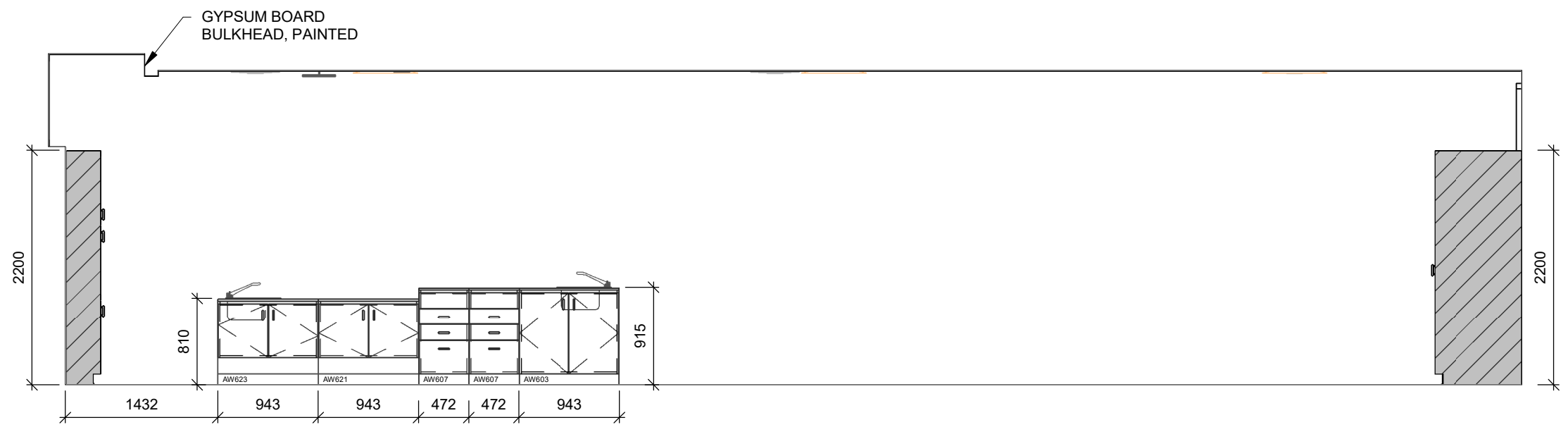
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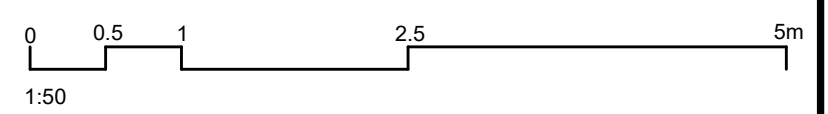
13 BIOLOGY LAB 209 - WEST ELEVATION  
A7.05R



7 BIOLOGY LAB 209 - WEST ELEVATION  
A7.05R



8 BIOLOGY LAB 209 - WEST ELEVATION  
A7.05R



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CORNERSTONE

ARCHITECTURE

WATERLOO REGION  
DISTRICT SCHOOL BOARD

Waterloo-Oxford District Secondary School

ACE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS

INTERIOR ELEVATIONS

1205 Snyder's Rd W. Baden, ON N3A 1A4

Project No.: 1128B

Plot Date: 04/09/25

Drawn By: DM

A7.05R

Waterloo Oxford District Secondary School  
Waterloo Region District School Board  
MTE Project #61562\_001

**STRUCTURAL ADDENDUM No.1**

ADD1-1  
**1 April 2025**

This addendum, prepared by MTE Consultants, forms part of the contract documents and modifies the original specifications and drawings as follows.

**STRUCTURAL DRAWINGS**

**AMMENDMENT NO.1**

**DRAWING S2.1**

- a. Relocate 190 concrete block wall and steel near grid line 18 between C to E to be located on grid line 18.

**Enclosures:**

Drawings S2.1

**END OF STRUCTURAL ADDENDUM NUMBER ONE**





## ADDENDUM 01

<b>To:</b>	Cornerstone Architecture	<b>Date:</b>	April 4, 2025
		<b>Project:</b>	Waterloo-Oxford District Secondary School
<b>cc:</b>	WRDSB	<b>Project No:</b>	25004

*This addendum forms part of the contract documents and amends the drawings and specifications.*

## Mechanical

1. Refer to drawing M1.1.
  - a. Add the following to Legend:
    - i SW Standing Waste
2. Refer to drawing M1.2.
  - a. Add HVAC-12,13 Operation Schedule as follows:

HVAC-12 & HVAC-13 OPERATION SCHEDULE				
OCCUPANCY	GENERAL EXHAUST ACTIVATED	HVAC OPERATION	HVAC ERV O/A (CFM)	HVAC ERV E/A (CFM)
NO	NO	NO	0	0
YES	NO	YES	DCV	DCV + 100
YES	YES	YES	1000	1100

- b. Add HVAC-14 Operation Schedule as follows:

HVAC-14 OPERATION SCHEDULE							
OCCUPANCY	GENERAL EXHAUST ACTIVATED	FUME HOOD ACTIVATED	HVAC OPERATION	CORRIDOR MOTORIZED DAMPER	HVAC ERV O/A (CFM)	HVAC ERV E/A (CFM)	FUME HOOD E/A (CFM)
NO	NO	NO	OFF	CLOSED	0	0	0
NO	NO	YES	OFF	OPEN	0	0	800
YES	NO	NO	ON	CLOSED	DCV	DCV + 100	0
YES	NO	YES	ON	CLOSED	700	0	800
YES	YES	NO	ON	CLOSED	1500	1600	0
YES	YES	YES	ON	CLOSED	1500	800	800

- c. Add HVAC-15 Operation Schedule as follows:

HVAC-15 OPERATION SCHEDULE				
OCCUPANCY	GENERAL EXHAUST ACTIVATED	HVAC OPERATION	HVAC ERV O/A (CFM)	HVAC ERV E/A (CFM)
NO	NO	NO	0	0
YES	NO	YES	DCV	DCV + 100
YES	YES	YES	1300	1400

3. Refer to drawing M2.1.

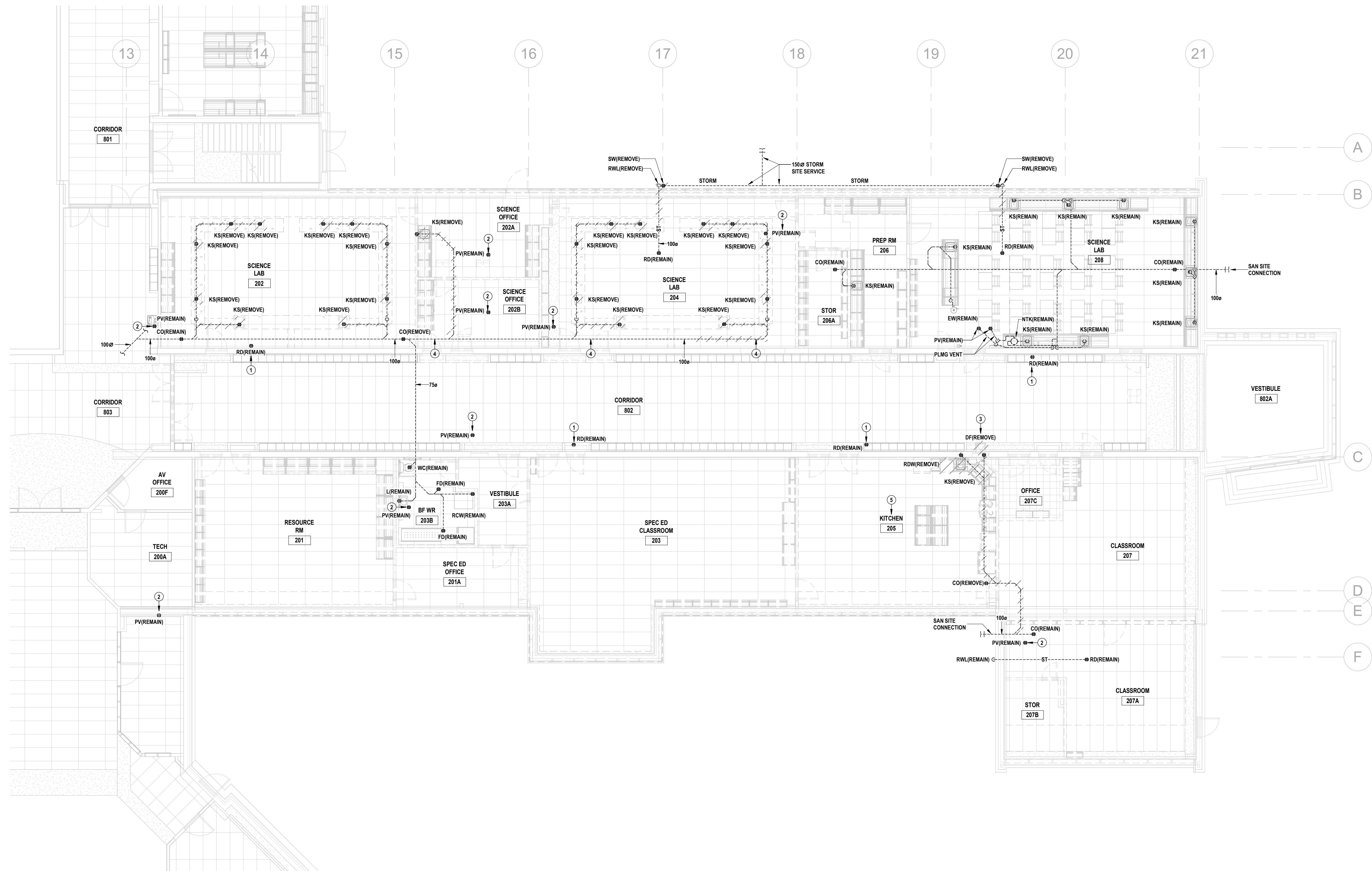
- a. Replace drawing with attached drawing M2.1.
4. Refer to drawing M2.4.
  - a. In 207 Classroom, remove one wall-mounted ceiling fan on/off controller and turn over to Owner.
  - b. In 207 Classroom, remove one plug-in ceiling fan speed controller and turn over to Owner.
  - c. In 205 Kitchen, remove one wall-mounted ceiling fan on/off controller and turn over to Owner.
  - d. In 201 Resource Rm, remove one plug-in ceiling fan speed controller and turn over to Owner.
5. Refer to drawing M3.1.
  - a. Replace drawing with attached drawing M3.1.
6. Refer to drawing M3.4.
  - a. In 201A Lifeskills Servery, install one wall-mounted timer controller for exhaust fan EF-2.
  - b. In 203 ACE Developmental Education Classroom, install one wall-mounted timer controller for exhaust fan EF-3.
  - c. In 203A Vestibule, provide mechanical power supply on corridor wall above ceiling.
7. Refer to drawing M3.5.
  - a. Relocate two existing plumbing vent roof terminations around HVAC-13 such that they are greater than 3m from nearest mechanical air intake.
  - b. Relocate two existing plumbing vent roof terminations around HVAC-14 such that they are greater than 3m from nearest mechanical air intake.
  - c. Provide note 10 to HVAC-17 to read:  
"Obtain 2001 Library addition drawings from Owner for room number and airflow references.  
Re-balance airflows to match 2001 drawings at the following supply air outlets in the indicated spaces associated with this rooftop unit:
    - 117A office: 1x multi-cone-type diffuser.
    - 120 office: 1x multi-cone-type diffuser.
    - 122/123/127 individual study area: 6x multi-cone-type diffusers.
    - 124 conference: 3x multi-cone-type diffusers.
    - 125/126/128 main library space: 11x slot-type diffusers.Re-balance airflows to match 2001 drawings at the following return air inlets in the indicated spaces associated with this rooftop unit:
    - 117A office: 1x eggcrate-type grille.
    - 120 office: 1x eggcrate-type grille.
    - 122/123/127 individual study area: 2x eggcrate-type grilles.
    - 124 conference: 3x eggcrate-type grilles.Re-balance supply airflows at 4x VVT zone dampers associated with rooftop unit to match 2001 drawings."

## **Electrical**

1. Refer to drawing E3.1.
  - a. Replace drawing with attached drawing E3.1.
2. Refer to drawing E4.3.

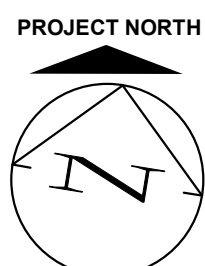
- a. Replace drawing with attached drawing E4.3.
- 3. Refer to drawing E4.4.
  - a. Replace drawing with attached drawing E4.4.
- 4. Refer to Division 27 Specification
  - a. Replace Article 1.2.1c. with the following:
    - i Audio/Visual in Science Lab 208, ACE Lifeskills Classroom 201, ACE Dev Ed Classroom 203, Biology Lab 209.
  - b. Replace Article 1.3.1e. with the following:
    - i Audio/Visual in Science Lab 202 and Science Lab 204.
  - c. Replace Article 4.1.1 with the following:
    - i The Electrical Subcontractor shall provide the audio/video systems in Science Lab 208, ACE Lifeskills Classroom 201, ACE Dev Ed Classroom 203 & Biology Lab 209.
  - d. Replace Article 4.2.1a. with the following:
    - i Custom stainless steel decora strap with female HDMI input and female 3.5mm audio input.

**End of Addendum**



2 GROUND FLOOR DRAINAGE DEMOLITION PLAN  
M2.1 SCALE: 1"=10'

- DRAWING NOTES**
- 1 CONNECTION OF ROOF DRAIN TO STORM SYSTEM NOT SHOWN.
  - 2 CONNECTION OF PLUMBING VENT TO SANITARY SYSTEM NOT SHOWN.
  - 3 REMOVE DRINKING FOUNTAIN & TURN OVER TO OWNER.
  - 4 EXACT LOCATION OF UNDERGROUND SANITARY PIPING IS UNKNOWN.
  - 5 EXACT LOCATION WHERE KITCHEN 205 UNDERGROUND SANITARY PIPING CONNECTS TO SANITARY SYSTEM IS UNKNOWN. REMOVE ALL ACCESSIBLE REDUNDANT PIPING & ENSURE PIPING IS CAPPED IF IT WILL REMAIN CONNECTED TO SANITARY SYSTEM.



THIS AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS (ACM). ALL CONTRACTORS SHALL REFER TO THE ASBESTOS AUDIT AND SECTION 01 35 43, HAZARDOUS MATERIALS FOR APPROPRIATE PROTOCOLS THAT MUST BE FOLLOWED, REGARDLESS OF ABATEMENT OPERATIONS BEING CONDUCTED OR NOT.

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Waterloo-Oxford District Secondary School

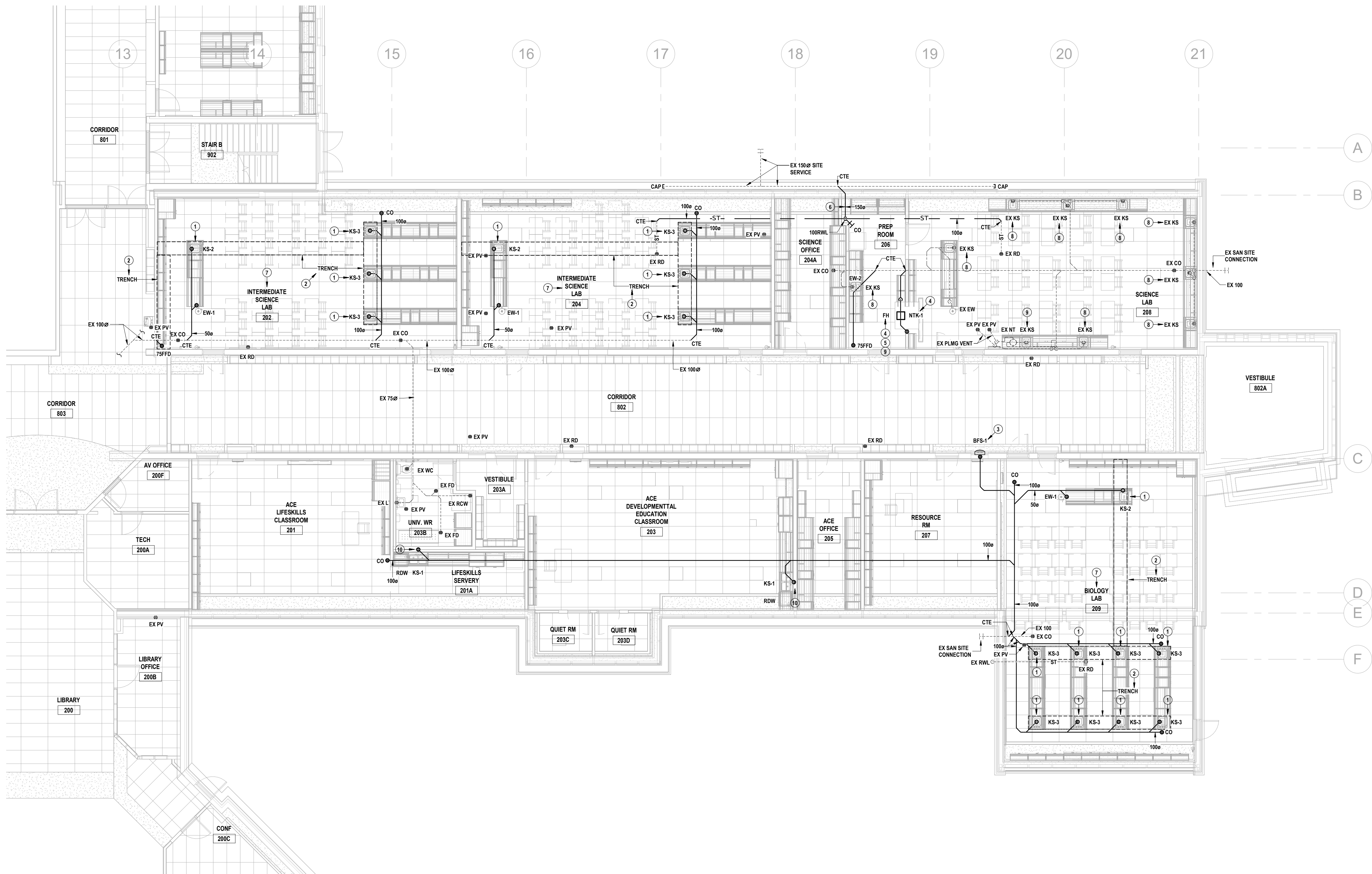
ACE Classroom & Science Classroom Renovations

Project No.: 25004  
Drawn By: J.S.S.  
Checked By: K.K.

GROUND FLOOR DRAINAGE DEMOLITION PLAN

M2.1

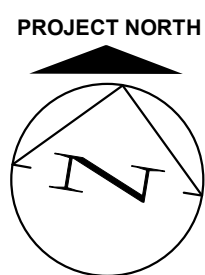




1 GROUND FLOOR DRAINAGE RENOVATION PLAN  
M3.1 SCALE: 1"=100'

#### DRAWING NOTES

- PROVIDE PENCIL TRAP BELOW SINK AS PER DETAIL. NOTE, PENCIL TRAP IS NOT A REPLACEMENT FOR A STANDARD TRAP REQUIRED BY CODE.
- TRENCH PROVIDED BY GENERAL TRADES.
- INSTALL BOTTLE FILL STATION AT LOCATION OF REMOVED DRINKING FOUNTAIN. PROVIDE STAINLESS STEEL SHEET METAL AS REQUIRED TO COVER OPENING LEFT BY REMOVED DRINKING FOUNTAIN THAT REPLACEMENT BOTTLE FILL STATION DOESN'T COVER.
- PROVIDE ACID RESISTANT SANITARY PIPING FROM SINK INTEGRAL TO FUME HOOD TO NEUTRALIZING TANK & FROM NEUTRALIZING TANK TO UNDERGROUND CONNECTION TO EX SANITARY PIPING. PROVIDE ACID RESISTANT VENT PIPING FOR NEUTRALIZING TANK AS PER CODE TERMINATING THROUGH ROOF.
- INSTALL MANUFACTURER APPROVED FLEXIBLE PIPING BETWEEN FUME HOOD SINK & SANITARY PIPING.
- THIS SECTION OF STORM PIPING TO BE ROUTED UNDERGROUND.
- PROVIDE SIGNAGE FOR ALL SINKS IN THIS ROOM TO READ 'SINKS IN THIS CLASSROOM ARE NOT SUITABLE FOR ACID WASTE DISPOSAL'.
- PROVIDE SIGNAGE FOR THIS SINK TO READ 'THIS SINK IS NOT SUITABLE FOR ACID WASTE DISPOSAL'.
- PROVIDE SIGNAGE FOR THIS SINK TO READ 'ONLY THIS SINK TO BE USED FOR ACID WASTE DISPOSAL'.
- PROVIDE Y-FITTING ON INLET SIDE OF SINK TRAP & USE FLEX HOSE TO CONNECT IT TO RESIDENTIAL DISHWASHER WITHIN MILLWORK.
- REPLACE EX CLEANOUT WITH NEW AS REQ'D.

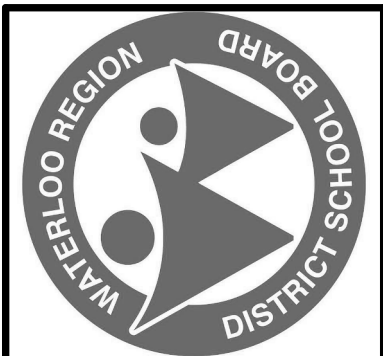


THIS AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS (ACM). ALL CONTRACTORS SHALL REFER TO THE ASBESTOS AUDIT AND SECTION 01 35 43, HAZARDOUS MATERIALS FOR APPROPRIATE PROTOCOLS THAT MUST BE FOLLOWED, REGARDLESS OF ABATEMENT OPERATIONS BEING CONDUCTED OR NOT.

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2025-04-04  
K.K.  
K.K.



Waterloo-Oxford District Secondary School

ACE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS

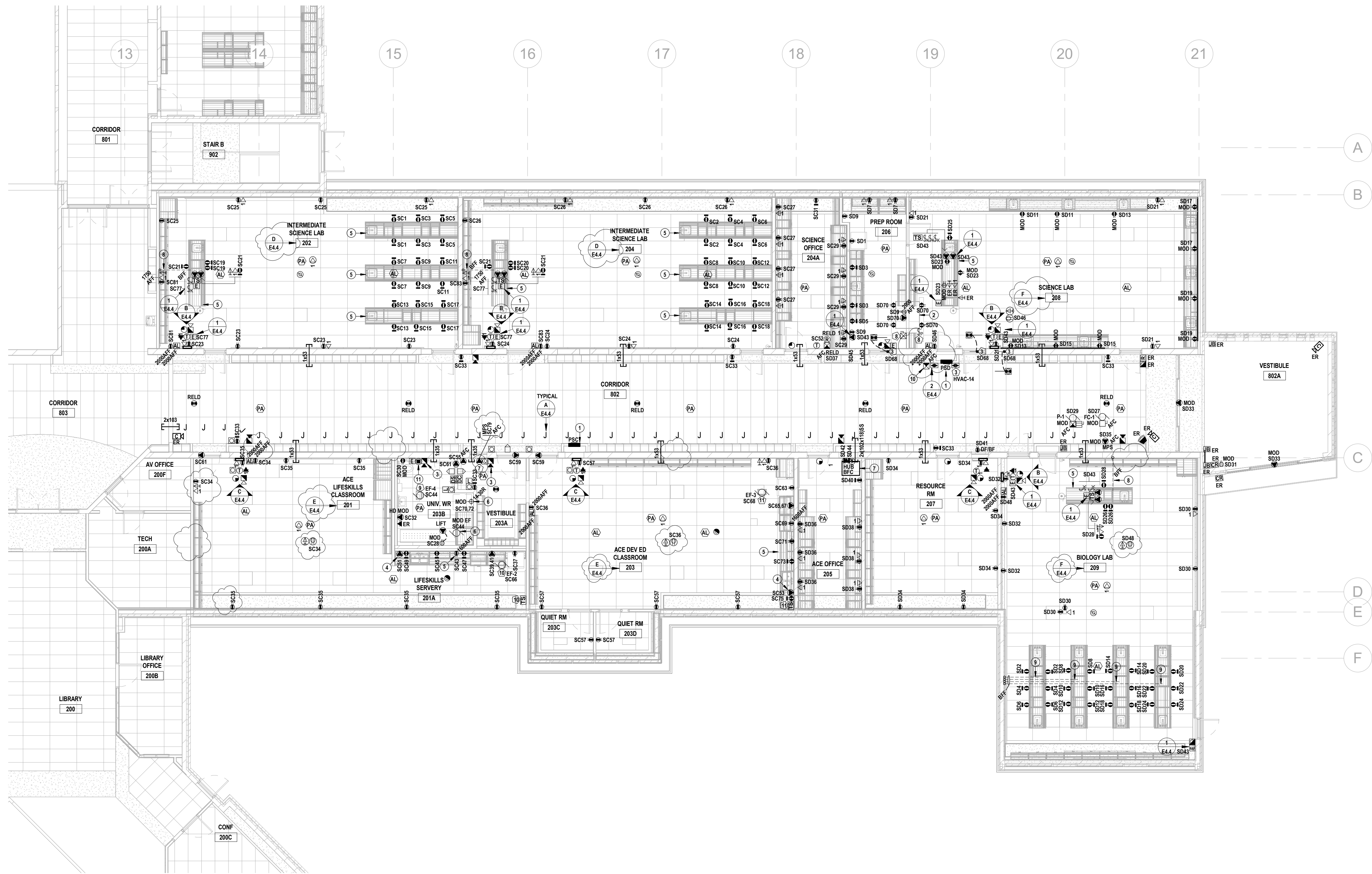
GROUND FLOOR DRAINAGE RENOVATION PLAN

Project No.: 25004

Drawn By: J.S.S.

Checked By: K.K.

M3.1



1 PARTIAL REVISED GROUND FLOOR POWER PLAN  
E3.1 SCALE: 1:100

REVISED POWER NOTES

1. PROVIDE NEW DISTRIBUTION EQUIPMENT. REFER TO SLD.
2. FUME HOOD PROVIDED BY OTHERS.
  - PROVIDE A DIRECT CONNECTION TO THE POWER JUNCTION BOX ON TOP OF THE FUME HOOD. CONNECTIONS FROM THE JUNCTION BOX TO THE INTEGRAL RECEPTACLES, LIGHT AND SWITCH ARE PRE-WIRED BY THE MANUFACTURER.
  - PROVIDE RECEPTACLE ON TOP OF THE HOOD FOR ALARM KIT.
  - PROVIDE INTERLOCK SUCH THAT THE ALARM KIT IS ONLY ACTIVE WHEN THE FUME HOOD EXHAUST FAN IS ON. PROVIDE RELAYS AS REQUIRED.
3. FIELD ADJUST TO LOWER AUDIBILITY.
4. PROVIDE LIQUID-TIGHT FLEXIBLE CONNECTION FROM BOX AT LOW LEVEL TO APPLIANCE/EQUIPMENT. COORDINATE REQUIREMENTS WITH SUPPLIER(S).
5. COORDINATE INSTALLATION WITH ARCHITECTURAL DETAILS & MILLWORK SUBCONTRACTOR.
6. REWIRE CURRENT SENSING RELAY. ENSURE DRYER BOOSTER FAN IS ACTIVATED WHENEVER THE DRYER IS TURNED ON. REWIRE FAN FROM LOCAL LIGHTING CIRCUIT, UPSTREAM OF LIGHTING CONTROL.
7. COMMUNICATIONS CABINET/HUB. THE FOLLOWING SHALL BE PROVIDED BY OTHERS UNDER ALLOWANCE:
  - CABINET/HUB WITH CABLE MANAGEMENT.
  - NEW FIBRE FEED FROM MAIN TELECOMMUNICATION ROOM.
  - NEW HORIZONTAL CABLING.
  - SWITCHES & PATCH PANELS.THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE THE FOLLOWING:
  - RECEPTACLES PER PLANS.
  - PATHWAYS FOR CABLING.
  - GROUND BUS BAR & BOND CONDUCTOR FROM NEAREST DISTRIBUTION PANEL.

8. PROVIDE UNDERGROUND CONDUITS FOR POWER AND COMMUNICATIONS SERVING THE TEACHER'S BENCH.
9. PROVIDE UNDERGROUND CONDUITS FOR POWER SERVING THE STUDENT'S BENCH.
10. PROVIDE CLEARLY LABELED FIRE ALARM RELAY & CONNECTIONS FOR EQUIPMENT SHUTDOWN.
11. PROVIDE AN AID ASSISTANCE INTERCOM STATION. WHEN ACTIVATED, THE INTERCOM STATION SHALL INITIATE A CALL TO THE TELEPHONE HANDSET DESIGNATED BY OWNER. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.

**COMMUNICATIONS & SECURITY PATHWAYS**  
• UNLESS OTHERWISE NOTED, PROVIDE A 21MM EMT RISER CONDUIT FROM EACH OUTLET BOX TO THE NEAREST ACCESSIBLE CEILING SPACE.  
• PROVIDE EMT CONDUIT SLEEVES CONCEALED APC & WITHIN WALLS, OF THE QUANTITY & DIAMETER INDICATED. SEAL ALL RATED PENETRATIONS.  
• PROVIDE SELF SEALING CONDUIT SLEEVES (SS) WHERE INDICATED.  
• PROVIDE OUTLET BOXES FOR ALL INDICATED DEVICES.  
• ALL CONDUITS & SLEEVES SHALL BE COMPLETE WITH PULL TAPES & PLASTIC BUSHINGS.

**RETURN AIR PLENUM**  
CEILING SPACES ARE USED AS A RETURN AIR PLENUM. THE ELECTRICAL SUBCONTRACTOR SHALL ENSURE THAT ALL NEW WIRING & CABLING WITHIN PLENUM SPACES IS TOTALLY ENCLOSED IN NON-COMBUSTIBLE RACEWAYS OR IS FT-8 RATED (ALSO KNOWN AS COMMUNICATIONS MEDIA PLENUM, OR CMP).

**ACCESS CONTROLLED OPENINGS**  
AT EACH CONTROLLED OPENING, PROVIDE THE FOLLOWING CONDUITS (NOT INDICATED) FROM A CLEARLY LABELED BOX APC, FOR ACCESS CONTROL CABLING INSTALLATIONS:

- 1x16 TO EACH OF THE FOLLOWING WHERE APPLICABLE:
- MULLION MORTAR BOX FOR CURRENT TRANSFER(S).
  - DOOR HEADER.
  - AUTO OPERATOR.
  - DAY-NIGHT-OFF KEY SWITCH.
  - DOOR CONTACT(S).

1x21 TO A SINGLE GANG BOX, UNLESS OTHERWISE SPECIFIED, FOR EACH OF THE FOLLOWING RECESSED DEVICES WHERE INDICATED:

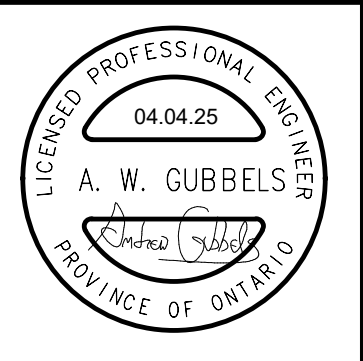
- DOOR OPERATOR PUSH BUTTONS.
- CARD READERS.
- POWER DOOR INDICATOR/LOCKS.

REFER TO DOOR ELEVATION DRAWINGS (BY OTHERS) FOR SPECIFICS.

**SPRINKLERS**  
NEW FIRE DETECTORS ARE REQUIRED SINCE THE NEW SPRINKLER SYSTEM DOES NOT YET PROTECT THE ENTIRE FLOOR AREA.



THIS AREA OF WORK CONTAINS ASBESTOS CONTAINING MATERIALS (ACM). ALL CONTRACTORS SHALL REFER TO THE ASBESTOS AUDIT AND SECTION 01 35 43, HAZARDOUS MATERIALS FOR APPROPRIATE PROTOCOLS THAT MUST BE FOLLOWED, REGARDLESS OF ABATEMENT OPERATIONS BEING CONDUCTED OR NOT.



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ISSUED FOR COORDINATION  
2025-03-14  
ISSUED FOR TENDER & PERMIT  
2025-03-28  
ISSUED FOR ADDENDUM 01  
2025-04-04



Waterloo-Oxford District Secondary School

ACE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS

PARTIAL REVISED POWER PLAN

1206 Snyder's Rd W. Baden, ON N3A 1A4

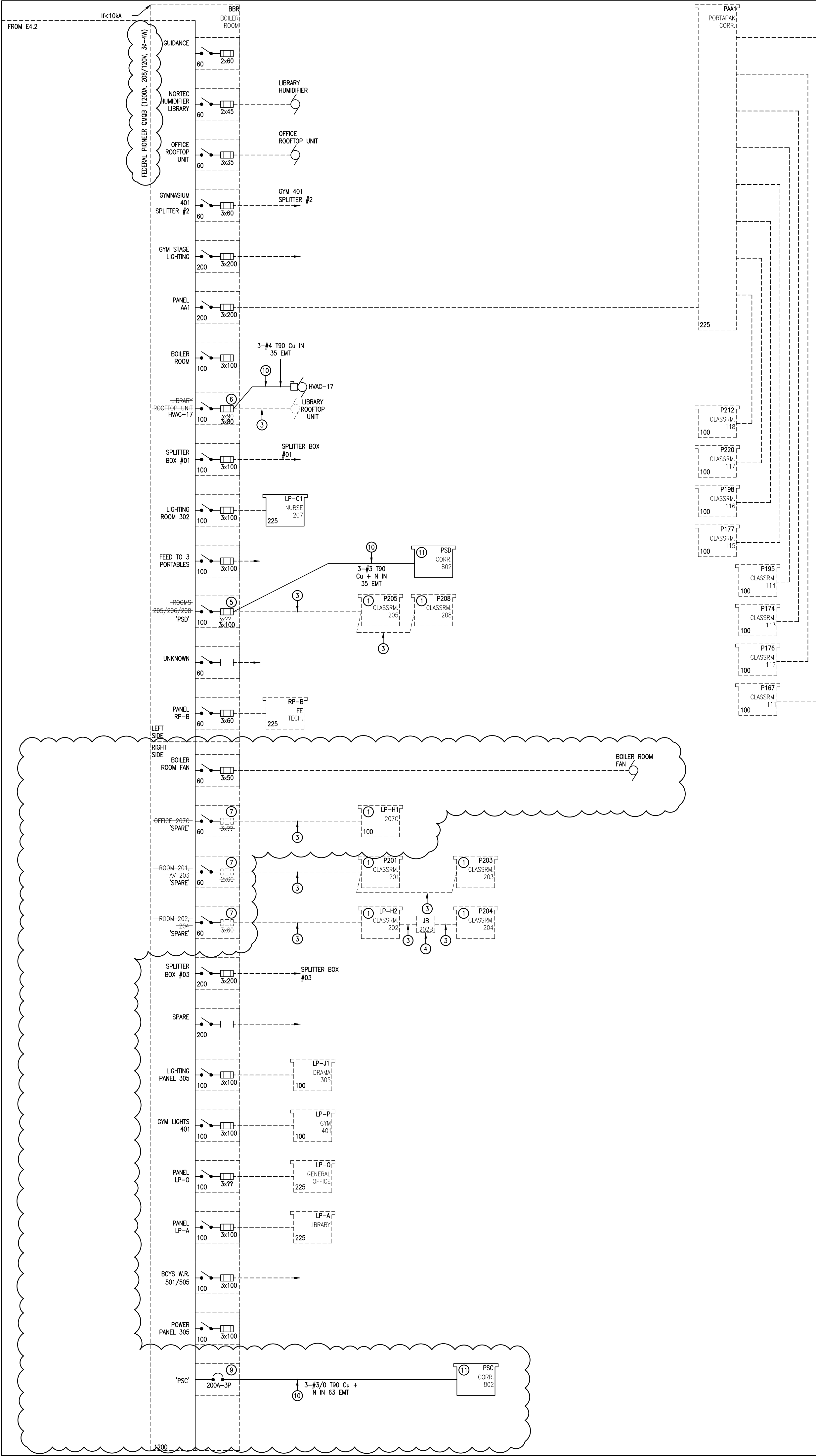
Project No.: 25004

Checked By: A.W.G.

Drawn By: A.W.T.

E3.1





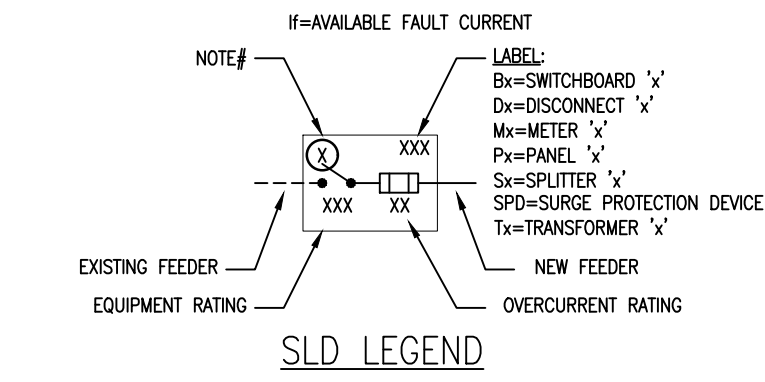
- SINGLE LINE NOTES:**
- 1. DELETE EXISTING PANEL.
  - 2. DELETE EXISTING DISTRIBUTION EQUIPMENT.
  - 3. DELETE EXISTING FEEDER (CONDUCTORS & CONDUIT).
  - 4. DELETE EXISTING JUNCTION BOX.
  - 5. MODIFY EXISTING SWITCH AS FOLLOWS:
    - PROVIDE NEW FUSES AS INDICATED. FIELD VERIFY EXISTING FUSE SIZE. REUSE WHERE POSSIBLE.
    - PROVIDE UPDATED LAMACOD LABEL.
  - 6. MODIFY EXISTING SWITCH AS FOLLOWS:
    - DELETE EXISTING FUSES AND PROVIDE NEW AS INDICATED.
    - PROVIDE UPDATED LAMACOD LABEL.
  - 7. REMOVE FUSES AND TURN OVER TO OWNER. LABEL AS SPARE.
  - 8. RESERVED.
  - 9. PROVIDE NEW 200A-3P J-FRAME MOLDED CASE CIRCUIT BREAKER & FEEDER AS INDICATED.
    - REMOVE EXISTING BLANKING PLATE FROM BOTTOM OF SWITCHBOARD.
    - PROVIDE CONNECTOR KIT.
    - PROVIDE NEW BLANKING PLATE.
    - PROVIDE LAMACOD LABEL.
  - 10. PROVIDE NEW FEEDER (CONDUCTORS & CONDUIT).
  - 11. PROVIDE NEW DISTRIBUTION EQUIPMENT.

**DESIGNATIONS:**  
UNLESS OTHERWISE NOTED FEEDERS (CONDUIT + CONDUCTORS) ARE EXISTING.

**GROUNDING & BONDING:**  
PROVIDE GROUNDING & BONDING IN ACCORDANCE WITH ELECTRICAL SAFETY AUTHORITY REQUIREMENTS.

**INFORMATION UPDATE:**  
PROVIDE A LAMINATED, HARDCOPY OF THE COMPLETE BUILDING SINGLE LINE DIAGRAM & POST ON SITE. ELECTRONIC BASE PLANS WILL BE PROVIDED BY THE CONSULTANT.

**OVERSIZED NEUTRALS:**  
WHERE INDICATED, NEUTRAL CONDUCTORS SHALL BE A MINIMUM OF TWO GAUGES LARGER THAN THE RESPECTIVE PHASE CONDUCTOR, I.e., 3-#5/0 PHASE CONDUCTORS SHALL BE PROVIDED WITH 1-#250 NEUTRAL.



NEW PANEL 'SC' SCHEDULE											
NO.	WATTS	A	P	LOAD DESCRIPTION	Ø	LOAD DESCRIPTION	P	A	WATTS	NO.	
1	200	20	1	RECEPT 202 LAB BENCH	*2	RECEPT 204 LAB BENCH	*2	1	20	200	2
3	200	20	1	RECEPT 202 LAB BENCH	*2	B RECEPT 204 LAB BENCH	*2	1	20	200	4
5	200	20	1	RECEPT 202 LAB BENCH	*2	C RECEPT 204 LAB BENCH	*2	1	20	200	6
7	200	20	1	RECEPT 202 LAB BENCH	*2	A RECEPT 204 LAB BENCH	*2	1	20	200	8
9	200	20	1	RECEPT 202 LAB BENCH	*2	B RECEPT 204 LAB BENCH	*2	1	20	200	10
11	200	20	1	RECEPT 202 LAB BENCH	*2	C RECEPT 204 LAB BENCH	*2	1	20	200	12
13	200	20	1	RECEPT 202 LAB BENCH	*2	A RECEPT 204 LAB BENCH	*2	1	20	200	14
15	200	20	1	RECEPT 202 LAB BENCH	*2	B RECEPT 204 LAB BENCH	*2	1	20	200	16
17	200	20	1	RECEPT 202 LAB BENCH	*2	C RECEPT 204 LAB BENCH	*2	1	20	200	18
19	200	20	1	RECEPT 202 LAB BENCH	*2	A RECEPT 204 LAB BENCH	*2	1	20	200	20
21	200	20	1	RECEPT 202 LAB BENCH	*2	B RECEPT 204 LAB BENCH	*2	1	20	200	22
23	400	15	1	RECEPT 202	*2	C RECEPT 204	*2	1	15	400	24
25	400	15	1	RECEPT 202	*2	A RECEPT 204	*2	1	15	400	26
27	400	15	1	RECEPT 202	*2	B RECEPT 204	*2	1	15	400	28
29	400	15	1	RECEPT 202	*2	C RECEPT 204	*2	1	15	400	30
31	100	20	1	RECEPT 204	*2	A RECEPT 204	*2	1	20	100	32
33	600	20	1	RECEPT 201 CORRIDOR B2, 203A	*2	B RECEPT 201 CORRIDOR B2, 203A	*2	1	20	600	34
35	800	15	1	RECEPT 201	*2	C RECEPT 201	*2	1	15	800	36
37	800	15	1	RECEPT 201A FRIDGE	*2	A RECEPT 201A FRIDGE	*2	1	15	800	38
39	4500	30	2	201A OVEN	*2.6	B RECEPT 201A OVEN	*2.6	1	30	4500	40
41	30	30	2	201A OVEN	*2.6	C RECEPT 201A OVEN	*2.6	1	30	30	42
43	1000	15	1	RECEPT 201A MICROWAVE	*2	A RECEPT 201A MICROWAVE	*2	1	15	1000	44
45	100	20	1	RECEPT 201A	*2	B RECEPT 201A	*2	1	20	100	46
47	100	20	1	RECEPT 201A	*2	C RECEPT 201A	*2	1	20	100	48
49	100	20	1	RECEPT 201A	*2	A RECEPT 201A	*2	1	20	100	50
51	800	15	2	DISHWASHER 201A	*2.6	B RECEPT 201A	*2.6	1	15	800	52
53	800	15	2	DISHWASHER 203	*2.6	C RECEPT 203	*2.6	1	15	800	54
55	600	15	1	RECEPT 203, 203C, 203D	*2	A RECEPT 203	*2	1	15	600	56
57	400	15	1	DOOR OPERATOR 203, 203A	*2	B RECEPT 203	*2	1	15	400	58
59	400	15	1	DOOR OPERATOR 203, 203A	*2	C RECEPT 203	*2	1	15	400	60
61	400	15	1	DOOR OPERATOR 203, 203A	*2	A RECEPT 203	*2	1	15	400	62
63	800	15	1	RECEPT 203 FRIDGE	*2	B RECEPT 203	*2	1	15	800	64
65	4500	30	2	203 OVEN	*2.6	C RECEPT 203	*2.6	1	30	4500	66
67	30	30	2	203 OVEN	*2.6	A RECEPT 203	*2.6	1	30	30	68
69	1000	15	1	RECEPT 203 MICROWAVE	*2	B RECEPT 203	*2	1	15	1000	70
71	100	20	1	RECEPT 203	*2	C RECEPT 203	*2	1	20	100	72
73	100	20	1	RECEPT 203	*2	A RECEPT 203	*2	1	20	100	74
75	100	20	1	RECEPT 203	*2	B RECEPT 203	*2	1	20	100	76
77	100	15	1	GAS CONTROL 202, 204	*2	C RECEPT 202	*2	1	15	100	78
79	300	15	1	MECHANICAL POWER SUPPLY	*2	A RECEPT 202	*2	1	300	300	80
81	200	15	1	RECEPT 202 AUDIO VIDEO	*2	B RECEPT 202	*2	1	200	200	82
83	200	15	1	RECEPT 202 AUDIO VIDEO	*2	C RECEPT 202	*2	1	200	200	84

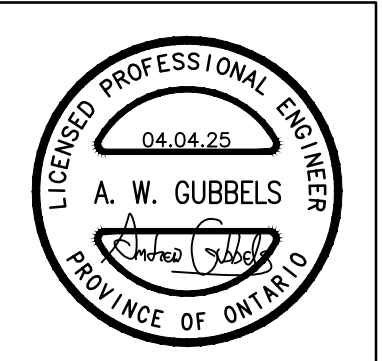
LOAD (W)	LOCATION	MINIS (A)	VOLTAGE	ØWIRE	TYPE	MOUNTING	MAIN BRKR (A)
3670	CORRIDOR B2	225	208/120	3/4	PRL 1X	FLUSH	N/A

NEW PANEL 'SD' SCHEDULE											
NO.	WATTS	A	P	LOAD DESCRIPTION	Ø	LOAD DESCRIPTION	P	A	WATTS	NO.	
1	800	15	1	RECEPT 206 FRIDGE	*2	A RECEPT 206 LAB BENCH	*2	1	20	200	2
3	200	20	1	RECEPT 206 COUNTER	*2	B RECEPT 206 LAB BENCH	*2	1	20	200	4
5	100	20	1	RECEPT 206 COUNTER	*2	C RECEPT 206 LAB BENCH	*2	1	20	200	6
7	200	15	1	RECEPT 206 DESKS	*2	A RECEPT 206 LAB BENCH	*2	1	20	200	8
9	200	15	1	RECEPT 206 TIME HOD ALARM	*2	B RECEPT 206 LAB BENCH	*2	1	20	200	10
11	200	15	1	RECEPT 206 BENCH	*2	C RECEPT 206 LAB BENCH	*2	1	20	200	12
13	200	15	1	RECEPT 206 BENCH	*2	A RECEPT 206 LAB BENCH	*2	1	20	200	14
15	200	15	1	RECEPT 206 BENCH	*2	B RECEPT 206 LAB BENCH	*2	1	20	200	16
17	200	15	1	RECEPT 206 BENCH	*2	C RECEPT 206 LAB BENCH	*2	1	20	200	18
19	200	15	1	RECEPT 206 BENCH	*2	A RECEPT 206 LAB BENCH	*2	1	20	200	20
21	400	15	1	RECEPT 206 BENCH	*2	B RECEPT 206 LAB BENCH	*2	1	20	200	22
23	300	15	1	RECEPT 206 TEACHER BENCH	*2	C RECEPT 206 LAB BENCH	*2	1	20	200	24
25	100	20	1	RECEPT 206 TEACHER BENCH	*2	A RECEPT 206 LAB BENCH	*2	1	20	200	26
27	700	15	1	FAN COIL UNIT FC-1	*1	B RECEPT 206 LAB BENCH	*2	1	20	200	28
29	100	15	1	RECIRC. PUMP P-1	*1	C RECEPT 206	*2	1	15	400	30
31	100	15	1	RECEPT 206 VESTIBULE	*1	A RECEPT 206	*2	1	15	300	32
33	400	15	1	POWER DOOR OPERATORS	*1	B RECEPT 207	*2	1	15	600	34
35	300	15	1	MECHANICAL POWER SUPPLY	*1	C RECEPT 206 DESKS	*2	1	15	300	36
37	200	20	1	EXTERIOR LIGHTING	*1	A RECEPT 206 DESKS	*2	1	15	300	38
39	300	20	1	VESTIBULE LIGHTING	*1	B RECEPT 206	*2	1	20	100	40
41	200	15	1	DRAINING FOUNTAIN BOTTLE FILLER	*2.5	C RECEPT 206 IT HUB	*2	1	15	100	42
43	100	15	1	GAS CONTROL 206, 208, 209	*2	A RECEPT 206 IT HUB	*2	1	15	100	44
45						B RECEPT 208 AUDIO VIDEO	*2	1	15	100	46
47	100	20	1	ROOFTOP RECEPTACLES	*2	C RECEPT 208 AUDIO VIDEO	*2	1	15	300	48
49						A				50	
51						B				52	
53						C				54	
55						A				56	
57						B				58	
59						C				60	
61	400	20	1		*4	A				62	
63	400	20	1		*4	B				64	
65	400	20	1		*4	C				66	
67	400	20	1		*4	A				68	
69	400	20	1		*4	B				70	
71	400	20	1		*4	C				72	
73	400	15	1		*4	A				74	
75	400	15	1		*4	B				76	
77	400	15	1		*4	C				78	
79	400	15	1		*4	A				80	
81	400	15	1		*4	B				82	
83	400	15	1		*4	C				84	

LOAD (W)	LOCATION	MINIS (A)	VOLTAGE	ØWIRE	TYPE	MOUNTING	MAIN BRKR (A)
21700	CORRIDOR B2	225	208/120	3/4	PRL 1X	FLUSH	N/A

EXISTING PANEL 'MA' SCHEDULE (*1)															
NO	WATTS	A	P	LOAD DESCRIPTION	Ø	LOAD DESCRIPTION		P	A	WATTS	NO				
2		15			A				70		2				
3	8000	15	3	EXISTING HVAC-6	*2	B	EXISTING TRANSFORMER MB	*2	3	70	55108	4			
5		15			C				70		6				
7		15			A				20		8				
9	8000	15	3	EXISTING HVAC-7	*2	B	EXISTING SPARE- HVAC 12	*5	3	20	15900	10			
11		15			C				20		12				
13		20			A				15		14				
15	18900	20	3	EXISTING HVAC-8	*2	B	EXISTING SPARE	*2	3	15	0	16			
17		20			C				15		18				
19					A				20		20				
21					B	HVAC-13		*3	3	20	15900	22			
23					C				20		24				
25					A				30		26				
27					B	HVAC-14		*3	3	30	23100	28			
29					C				30		30				
31					A				25		32				
33					B	HVAC-15		*3	3	25	16800	34			
35					C				25		36				
37					A						38				
39					B						40				
41					C						42				
NOTES															
*1 TRACE ALL BRANCH WIRING ON SITE TO CONFIRM CONNECTED LOADS															
*2 EXISTING LOAD TO REMAIN															
*3 NEW LOAD, PROVIDE NEW BRANCH BREAKER & BRANCH WIRING.															
*4 EXIST MATED LOAD.															
*5 NEW LOAD, UT KLIZE EXISTING BREAKER & PROVIDE BRANCH WIRING.															
LOAD (W)		LOCATION		MANS (A)		VOLTAGE		Ø(WIRE)		TYPE		MOUNTING		MAIN BRKR (A)	
161708		FAN ROOM 120A		250		600/347		3/4		SQUARE D- NF		SURFACE		NA	

LOAD (W)	LOCATION	MINIS (A)	VOLTAGE	ØWIRE	TYPE	MOUNTING	MAIN BRKR (A)
161708	FAN ROOM 120A	250	600/247	3/4	SQUARE D- NF	SURFACE	N/A



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**MNE ENGINEERING**

2025-03-14 ISSUED FOR COORDINATION  
2025-03-28 FOR REVIEW & PERMIT  
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A.W.C.  
A.W.C.  
A.W.C.



**Waterloo-Oxford District Secondary School**

ACE CLASSROOM & SCIENCE CLASSROOM RENOVATIONS

1206 Snyder's Rd W. Baden, ON N3A 1A4

Project No.: 25004  
Checked By: A.W.C.  
Drawn By: A.W.T.

**PARTIAL SINGLE LINE DIAGRAM & PANEL SCHEDULES**



1 SCIENCE LAB BENCH CONTROL SCHEMATIC  
E4.4 N.T.S.

**SCHEMATIC NOTES:**

PROVIDE MOMENTARY, KEY OPERATED START SWITCHES TO INDEPENDENTLY ENERGIZE THE GAS FOR THE TEACHER'S BENCH AND THE STUDENTS' BENCHES. LABEL AS 'TEACHER GAS ON' & 'STUDENT GAS ON'. PROVIDE EXTRA KEYS & HAND OVER TO OWNERS UPON PROJECT COMPLETION.

PROVIDE SPRING-LOADED, MOMENTARY, EMERGENCY STOP PUSH BUTTON. THE USE OF LATCHING PUSH BUTTONS SHALL NOT BE ACCEPTED. PROVIDE NAMEPLATE STATING 'GAS OFF'.

POWER TO THE GAS SOLENOID SHALL BE INTERRUPTED IN THE EVENT OF THE STOP SWITCH.

EACH SCIENCE LAB SHALL FUNCTION INDEPENDENTLY

REFER TO SPECIFICATIONS FOR PRODUCT & INSTALLATION DETAILS.

FUME HOODS SHALL CONTROLLED IN CONJUNCTION WITH ADJOINING SCIENCE LAB CONTROLS.

REFER TO FLOOR PLANS FOR QUANTITY/LOCATIONS OF DEVICES

SCHEMATIC NOTES:

- 120V SMOKE DAMPERS PROVIDED BY DIVISION 23, POWER OPEN, SPRING CLOSED.
- PROVIDE SMOKE DETECTORS WITHIN 5'-0" (1.5m) ON BOTH SIDES OF THE RATED SEPARATION, OR
- PROVIDE A DUCT-TYPE SMOKE DETECTOR DOWNSTREAM OF THE DAMPER IN ACCORDANCE WITH CBC 3.18.1.1.
- PROVIDE A FIRE ALARM RELAY MODULE TO ACTIVATE A POWER RELAY. EXTEND POWER WIRING TO
- PROGRAM THE FIRE ALARM RELAY MODULE TO CLOSE ALL SMOKE DAMPERS ASSOCIATED WITH THE AIR HANDLER/120V CIRCUIT UPON A SIGNAL FROM THE ASSOCIATED SMOKE DETECTORS.
- PROVIDE FIRE ALARM RELAY AT THE ASSOCIATED AIR HANDLING UNIT SO THAT THE EQUIPMENT IS NOT SHUT DOWN UPON ACTIVATION OF ANY SMOKE DETECTOR ASSOCIATED WITH THAT UNIT.
- PROVIDE ACCESS DOORS AS REQUIRED FOR INSPECTION AND RESET.
- PROVIDE SMOKE DETECTORS SHALL BE MAPPED TO THE LOCAL FLOOR INITIATING ZONE AND THE ASSOCIATED AIR HANDLING UNIT.
- REFER TO FLOOR PLANS FOR DEVICE LOCATIONS & QUANTITIES.

2 SMOKE DAMPER WIRING SCHEMATIC  
E4.4 N.T.S.

DETAIL NOTES:

1. HANGERS SHALL BE WALL MOUNTED WHEREVER POSSIBLE.
2. WHERE WALL MOUNT IS NOT POSSIBLE, UNITS SHALL BE SUSPENDED FROM THE STRUCTURE WITH THREADED ROD.
3. CORRIDOR MOUNTED HANGERS ARE TO BE MOUNTED IN-LINE. MAXIMUM SPACING BETWEEN HANGERS TO BE 1.0m (40")
4. COORDINATE WITH MECHANICAL TRADES TO AVOID CONFLICTS.
5. INSTALLATION OF POWER WIRING IN HANGERS SHALL NOT BE PERMITTED.
6. PROVIDE TWO TIERS WITH ONLY COMPUTER (DATA) CABLING IN THE TOP TIER. ALL REMAINING COMMUNICATIONS CABLES ARE TO GO INTO LOWER TIER.

**A** CABLE HANGER DETAIL  
**E4.4** N.T.S.

SCIENCE LABS 202 & 204 AUDIO/VIDEO ROUGH-IN DETAIL

E  
4.4

ACE CLASSROOM AUDIO/VIDEO ROUGH-IN DETAIL  
N.T.S.

F SCIENCE LAB 208 & BIOLOGY LAB 209 AUDIO/VIDEO ROUGH-IN DETAIL  
E4.4 N.T.S.

DETAIL NOTES

1. CONSOLES SHALL BE SUPPLIED & INSTALLED BY OTHERS.
2. PROVIDE OUTLET BOXES FOR ALL WIRING DEVICES.
3. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE ALL WIRING DEVICES AND THE FIRE ALARM SIGNALING DEVICE AS INDICATED ON THE FLOOR PLANS.
4. COORDINATE EXACT CONSOLE LOCATION WITH ARCHITECTURAL DETAILS.
5. ALL INDICATED DIMENSIONS ARE METRIC.

SCIENCE CLASSROOM CONSOLE DETAIL

DETAIL NOTES

1. CONSOLES SHALL BE SUPPLIED & INSTALLED BY OTHERS.
2. PROVIDE OUTLET BOXES FOR ALL WIRING DEVICES.
3. THE ELECTRICAL SUBCONTRACTOR SHALL PROVIDE ALL WIRING DEVICES AND THE FIRE ALARM SIGNALING DEVICE AS INDICATED ON THE FLOOR PLANS.
4. COORDINATE EXACT CONSOLE LOCATION WITH ARCHITECTURAL DETAILS.
5. ALL INDICATED DIMENSIONS ARE METRIC.

ACE CLASSROOM CONSOLE DETAIL

3 CABLED LIGHTING CONTROL SCHEMATIC  
E4.4 N.T.S.

WIRING/CABING LEGEND:

## CAT5e CONTROL CABLING

### 0-10VDC DIMMING WIRING

### LINE VOLTAGE BRANCH WIRING

**SCHEMATIC NOTES:**

- REFER TO THE FLOOR PLANS FOR DEVICE TYPES & QUANTITIES.
- VERIFY THE EXACT LOCATION OF THE DIMMING POWER PACKS ON SITE.
- ENSURE PACKS ARE IN ACCESSIBLE LOCATIONS.
- INDICATE FINAL POSITIONS ON THE AS-BUILT DRAWINGS.