GLENVIEW PARK SECONDARY SCHOOL
HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

ISSUED FOR PERMIT & TENDER

2025/03/05

aba architects inc.
101 Randall Drive, Unit 8, Waterloo ON, TEL 519 884 2711 www.abarchitect.ca

ARCHITECTURAL

WitzelDyce ENGINEERING INC.

STRUCTURAL

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC

MECHANICAL/ELECTRICAL

LIST OF DRAWINGS

ARCHITECTURAL

STRUCTURAL

MECHANICAL

ELECTRICAL

DRAWING SYMBOLS LEGEND

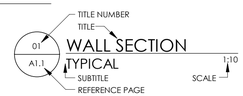
DRAWING NUMBER

A1.1

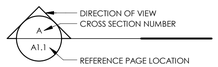
- A - ARCHITECTURAL
- C - CIVIL
- ID - INTERIOR DESIGN
- L - LANDSCAPE
- S - STRUCTURAL
- M - MECHANICAL
- E - ELECTRICAL

- 0.1 - PROJECT INFORMATION
- 1.1 - FLOOR PLANS
- 2.1 - REFLECTED CEILING PLANS
- 3.1 - ENLARGED FLOOR PLANS
- 4.1 - BUILDING ELEVATIONS
- 5.1 - CROSS SECTIONS
- 6.1 - STAIR PLANS AND SECTIONS

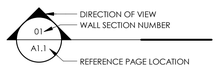
TITLE LABEL



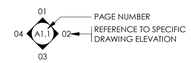
CROSS SECTION KEY



WALL SECTION KEY



INTERIOR ELEVATION



DETAIL KEY

DATUM — I/O GROUND FLOOR 100.00

GRID — A

ELEVATIONS TAG

NOTE 01

NOTE 02

DOOR NUMBER — D01

WINDOW NUMBER — W1

ROOM LABEL — LOBBY 10

CEILING HEIGHT — 2450 A.C.T.

ELEVATION HEIGHT — 100.00

CONSTRUCTION TYPE — WS1

FINISH TYPE — PT-X

FURNITURE TYPE — PD-X

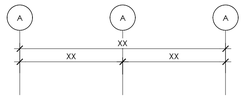
REVISION — 01

FLOORING DIRECTION

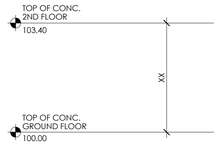
FLOORING TRANSITION

DENOTES DIMENSION — XX

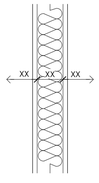
DIMENSION FROM GRID LINE TO GRID LINE



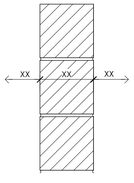
DIMENSION STYLE FROM FLOOR LEVEL TO FLOOR LEVEL



DIMENSION STYLE TO FACE OF STUD PARTITION



DIMENSION STYLE TO OUTSIDE FACE OF CONCRETE OR MASONRY BLOCK WALL



ABBREVIATIONS

A

@	AT
AB	AIR BARRIER
AC	AIR CONDITIONING
ACT	ACOUSTIC CEILING TILE
AF	ACCESS FLOOR
AFF	ABOVE FINISHED FLOOR
AIFB	ASPHALT IMPREGNATED FIBRE BOARD
ALUM	ALUMINUM
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
AUD	AUDITORIUM
AVB	AIR / VAPOUR BARRIER
AV	AUDIO / VISUAL

B

BD	BOARD
BEW	BOTTOM EACH WAY
BF	BARRIER FREE
BG	BUMPER GUARD
BLDG	BUILDING
BLK	BLOCK
BLL	BOTTOM LOWER LAYER
BM	BENCH MARK
BP	BASE PLATE
BR	BRICK
BRD	BOARD
BSMT	BASEMENT
BSP	BENT STEEL PLATE
BTM	BOTTOM
BTW	BETWEEN
BU	STEEL BUILT UP (TO OWSJ)
BUL	BOTTOM LOWER LAYER

C

CA	CLEAN ANODIZED
CB	CATCH BASIN
CBD	CEMENT BOARD
c/c	CENTER TO CENTER
CG	CORNER GUARD
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLR	COLOUR
CLST	CLOSET
CMP	COMPOSITE METAL PANEL
COL	COLUMN
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONC	CONCRETE
COORD	COORDINATE
CORR	CORRIDOR
CP	COMMUNICATION PANEL
CPT	CARPET
CR	CARD READER
CRS	COURSE
CT	CURTAIN TRACK
c/w	COMPLETE WITH
CWT	CERAMIC WALL TILE
CIV	CIVIL

D

DEG	DEGREE
DF	DRINKING FOUNTAIN
DIA	DIAMETER
Ø	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DP	DEMOUNTABLE PARTITION
DS	DOOR SEAL
DSW	DOOR SWEEP
DT	DETAIL
DWG(S)	DRAWING(S)

E

EA	EACH
EF	EACH FACE
ELEC	ELECTRICAL
ELEV	ELEVATION
ECC	EPOXY CEILING COATING
EFC	EPOXY FLOOR COATING
EJ	EXPANSION JOINT
ELECT	ELECTRICAL
EMP	EMERGENCY POWER
ENCL	ENCLOSED
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
ES	ELECTRICAL STRIKE
ESRI	ELECTRICAL STRIKE ROUGH IN
ETC	ETCETERA
EW	EACH WAY
EWC	EPOXY WALL COATING
EX	EXISTING
EXTR	EXTERIOR

F

FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FIN	FINISH
FL	FLOOR
FLASH	FLASHING
FND	FOUNDATION
FP	FIRE ALARM ANNUNCIATOR PANEL
FPSP	FACTORY PRIMED SITE PAINTED
FRR	FIRE RESISTANCE RATING
FS	FIRE SEPARATION

G

GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GFWB	GYPSUM FIBRE WALL BOARD
GL	GLAZING
GRAN	GRANULAR
GWB	GYPSUM WALL BOARD
GWG	GEORGIAN WIRE GLASS
GYP	GYPSUM

H

HB	HOSE BIB
HD	HEAVY DUTY
HEF	HORIZONTAL EACH FACE
HIF	HORIZONTAL INSIDE FACE
HM	HOLLOW METAL
HOF	HORIZONTAL OUTSIDE FACE
HORIZ	HORIZONTAL
HR	HOUR
HRL	HAND RAIL
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
HTR	HEATER
HP	HIGH POINT

I

IIC	INCLUDED IN CONTRACT
ID	INSIDE DIMENSION
IF	INSIDE FACE
IHM	INSULATED HOLLOW METAL
INCL	INCLUDED
INSUL	INSULATION
INT	INTERIOR
IRWB	IMPACT RESISTANT WALL BOARD

J

JAN	JANITOR
JT	JOINT

K

KP	KICKPLATE

L

LAM	LAMINATE
LAV	LAVATORY
LSG	LAMINATED SAFETY GLASS
LTWT	LIGHT WEIGHT
LP	LOW POINT

M

MAG	MAGNETIC LOCK
MANUF	MANUFACTURED
MAX	MAXIMUM
MAT	MATERIAL
MDF	MEDIUM DENSITY FIBRE BOARD
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MEZZ	MEZZANINE
MH	MANHOLE
MHO	MAGNETIC HOLD OPEN
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	MAGNETIC LOCK
MLRI	MAGNETIC LOCK ROUGH IN
MO	MASONRY OPENING
MT	METAL
MTD	MOUNTED

N

NBC	NATIONAL BUILDING CODE
NIC	NOT IN CONTRACT
NFHB	NON FREEZER HOSE BIB
No	NUMBER
NTS	NOT TO SCALE

O

OBC	ONTARIO BUILDING CODE
o/c	ON CENTER
OD	OUTSIDE DIMENSION
OF	OUTSIDE FACE
OFFC	OFFICE
OH	OVERHEAD
OPDS	ONTARIO PROVINCIAL STANDARD DETAIL
OPSS	ONTARIO PROVINCIAL STANDARD SPECIFICATION
OSB	ORIENTED STRAND BOARD
OWSJ	OPEN WEB STEEL JOIST

P

PB	PUSH BUTTON
PED	PEDESTAL
P.LAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
POLY	POLYETHENE
PREFIN	PREFINISHED
PT	PRESSURE TREATED
PTD	PAINTED

R

RA	ROOF ANCHOR
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REINF	REINFORCED
REQ'D	REQUIRED
REQ'TS	REQUIREMENTS
RFE	RECESSED FIRE EXTINGUISHER
RHC	RECESSED HEATING CABINET
RM	ROOM
RO	ROUGH OPENING
RS	ROOF SCUPPER
RTU	ROOF TOP UNIT
RWL	RAIN WATER LEADER

S

SC	SAWCUT
SHT	SHEET
SIM	SIMILAR
SPC	STANDPIPE CONNECTION
SPEC	SPECIFICATION
SPF	SPRUCE PINE FIR
SQ.FT	SQUARE FOOT
SQ.M	SQUARE METERS
SS	STAINLESS STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
STL	STEEL
STM	STORM
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SWRD	SIDE WALL ROOF DRAIN

T

TB	THERMALLY BROKEN
TBHM	THERMALLY BROKEN HOLLOW METAL
TD	TERRACE DRAIN
TEMP	TEMPERED
TH	THICK
TJ	TIE JOIST
TLL	TOP LOWER LAYER
T/O	TOP OF
TRANS.	TRANSITION
TUL	TOP UPPER LAYER
TYP.	TYPICAL

U

U/G	UNDERGROUND
U.N.O.	UNLESS NOTED OTHERWISE
UR	URINAL
U/S	UNDERSIDE OF

V

VB	VAPOUR BARRIER
VC	VALVE CABINET
VCT	VINYL COMPOSITE TILE
VEST	VESTIBULE
VERT	VERTICAL
VEF	VERTICAL EACH FACE
VIF	VERTICAL INSIDE FACE
VOF	VERTICAL OUTSIDE FACE

W

W	WIDE
WC	WATER CLOSET
WD	WOOD
WFE	WALL MOUNTED FIRE EXTINGUISHER
WV	WATER VALVE
WWM	WELDED WIRE MESS
w/o	WITHOUT
W/R	WASHROOM
w/	WITH

HATCHING LEGEND

- EXISTING
- BRICK
- RIGID INSULATION
- SOILS / UNDISTURBED SOILS
- CONCRETE BLOCK
- SEMI-RIGID INSULATION
- GRANULAR
- CONCRETE
- SPRAY FOAM INSULATION
- ROOFING
- PRECAST CONCRETE PANEL
- BATT INSULATION
- GYPSUM WALL BOARD
- STEEL
- FINISH WOOD
- FIRESTOPPING
- PLYWOOD
- WOOD BLOCKING
- SPRAY APPLIED FIRE PROOFING
- SHEATHING/ FIBREBOARD
- RESERVED

GENERAL INFORMATION

1. DO NOT SCALE DRAWINGS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS ON SITE AND SHALL REPORT ALL DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
3. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
4. ALL MATERIAL AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE CANADIAN CONSTRUCTION STANDARDS AND CURRENT APPLICABLE BUILDING CODE AND GOVERNING REGULATIONS.
5. WORK SHALL BE PERFORMED IN A MANNER THAT WILL MINIMIZE THE INTERRUPTION OF ACCESS IN ALL AREAS AFFECTED BY CONSTRUCTION, EMERGENCY EXITING SHALL BE MAINTAINED AT ALL TIMES.
6. ALL MATERIAL USED FOR NEW CONSTRUCTION SHALL BE NEW AND FREE OF DEFECTS. CONTRACTOR WILL BE RESPONSIBLE TO PATCH, REPAIR AND MAKE GOOD ALL AREAS AFFECTED BY THE WORK INCLUDING MECHANICAL AND ELECTRICAL PATCH AND REPAIRS.
7. SUPPLY AND MAINTAIN ON A DAILY BASIS ALL INTERIOR AND EXTERIOR TEMPORARY COVERINGS, FENCING, TARPING, HOARDING, FLOOR PLATES, SIGNAGE AND OTHER SEPARATIONS REQUIRED TO MAINTAIN THE SAFETY OF THE PUBLIC AND PROVIDE ACCESS TO SCHOOL STAFF AND STUDENTS DURING WORK OF THIS CONTRACT. COORDINATE THESE PROTECTIVE MEASURES WITH OWNER AND INDIVIDUAL SCHOOL STAFF ADMINISTRATORS. REMOVE AND/OR DISPOSE OF ALL FROM SITE AFTER COMPLETION OF WORK OF THIS CONTRACT.
8. MAINTAIN A CLEAN AND ORDERLY SITE AT ALL TIMES.
9. COORDINATE WITH OWNER STAGING AREAS FOR SITE TRAILER AND MATERIALS STORAGE.
10. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND THEIR SUBCONTRACTORS TO VISIT THIS SITE AND FAMILIARIZE THEMSELVES WITH ALL ASPECTS OF THIS PROJECT.
11. COORDINATE WITH OWNER ANY STAGING OF WORK AND/OR THE DISRUPTION OF PARKING AND TRAFFIC FLOW.
12. PORTABLE FIRE EXTINGUISHERS TO BE INSTALLED IN CONFORMANCE WITH THE OFC 6.2 AND MUST HAVE A MINIMUM RATING OF 2A10BC AS PER MUNICIPAL BYLAW.
13. THE DRAWINGS INDICATE THE PHYSICAL DIMENSIONS, EXISTING LEVELS AND SIMILAR ITEMS BEING INDICATED WHERE KNOWN. ALL INFORMATION OF THE WORK, BUT WITH NO SPECIFIC REPRESENTATION EITHER EXPRESSED OR IMPLIED, AS TO COMPLETENESS OR ACCURACY, BE RESPONSIBLE FOR ANY DEDUCTIONS OR CONCLUSIONS MADE ON THE BASIS OF THIS INFORMATION AND THAT OF ANY ADDITIONAL SITE INSPECTIONS IF MADE.
14. ALL WORK SHALL COMPLY WITH CODES, LAWS, ORDINANCES, RULES, AND REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK.
15. THE HIGHEST QUALITY PRACTICES, SET BY THE APPROPRIATE TRADE, GUILD, OR INDUSTRY-ACCEPTED AUTHORITY SHALL GOVERN WORK.
16. CONTRACTOR WILL REVIEW ALL RECEIVED DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK CAN BE BUILT AS SHOWN. REPORT ANY CONFLICTS OR OMISSIONS FOR CLARIFICATION, OR EXCEPTIONS TO BEST TRADE PRACTICES ON EXISTING AND PROPOSED WORK TO THE DESIGNER PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
17. SHOP DRAWINGS TO BE SUBMITTED FOR ITEMS TO BE MANUFACTURED, PROCESSED OR ASSEMBLED FOR REVIEW BY THE DESIGNER PRIOR TO ORDERING OF MATERIALS AND FABRICATION.
18. SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, OR CHANGES FOR REVIEW PRIOR TO PURCHASE, FABRICATION OR INSTALLATION.
19. CONTRACTOR SHALL CONFIRM THAT OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT, INCLUDE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION. THIS COULD INCLUDE BUT NOT LIMITED TO TELECOM SERVICES, SECURITY SYSTEMS, BASE BUILDING EQUIPMENT COMMISIONING, FURNITURE DELIVERY AND INSTALLATION.
20. MAINTAIN EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES, AND ALARMS IN CONFORMANCE WITH CODES AND ORDINANCES, AND PROTECT AREAS ADJACENT TO SCOPE AREA OF WORK FROM DAMAGE.
21. CONTRACTOR TO ADHERE TO ALL REQUIREMENTS AS OUTLINED BY BASE BUILDING CONSTRUCTION MANUAL - INCLUDING BUT NOT LIMITED TO SCHEDULING TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, USE OF BUILDING SERVICES AND FACILITIES, AND USE OF ELEVATORS. MINIMIZE DISTURBANCE OF BUILDING FUNCTIONS AND OCCUPANTS.
22. THERE SHALL BE NO DIRECT ATTACHMENT MADE TO THE EXTERIOR CURTAIN WALL, OR RADIANT PANELS AT CEILING OR BASE.

ONTARIO ASSOCIATION OF ARCHITECTS — JOSHUA G.P. BEDARD — LICENCE 7407

No.	REVISIONS	DATE

ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05
CHRONOLOGY	DATE

aba architects inc.
150 Pinehall Drive, Unit 8, Rockwood, ON, N0B 2K0 | www.abarchitects.ca

CLIENT — WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

GENERAL PROJECT INFORMATION

SCALE	1 : 1
SHEET SIZE	24X36
PROJECT NUMBER	2024-081

DRAWING NUMBER — A0.1

2025-03-05 3:19:29 PM C:\Users\JasonR\Documents\2024-081 GPSS Science Classroom_Central_jasonjger.rvt

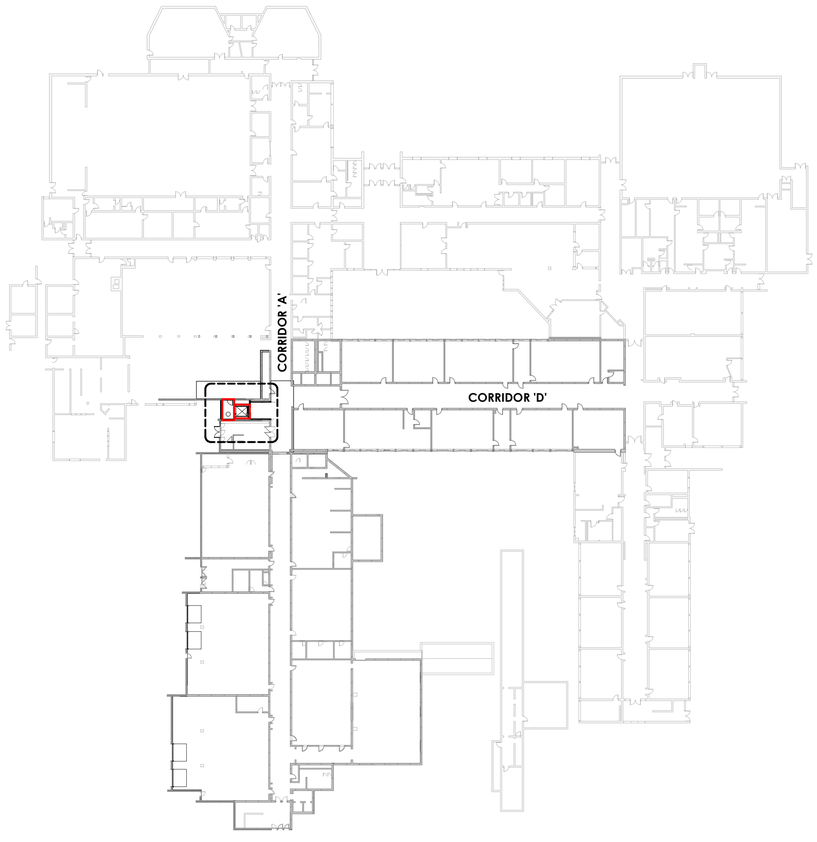
OBC MATRIX

Item		Ontario Building Code Data Matrix								OBC References		
										■ Part 3	□ Part 9	□ Part 11
1		Project Description: **GLENVIEW PARK SECONDARY SCHOOL RENOVATION**					□ New □ Change of Use		■ Addition ■ Alteration	2.1.1.	2.1.1. 9.10.3.	11.1 to 11.4
		Project Address: **55 McKay St., Cambridge, ON, N1R 4G8**										
2		Major Occupancy(s): **Group A, DIVISION 2, SECONDARY SCHOOL**								3.1.2.1.(1)	9.10.2.	
3		Building Area (m²): Existing: 10,731.4				New: **27.6**			Total: **10,759.0**	1.1.3.2.	1.1.3.2.	
4		Gross Floor Area (m²): Existing: 15,750.3				New: **39.6**			Total: **15,789.9**	1.1.3.2.	1.1.3.2.	
5		Number of Storeys: Below Grade: **1 STOREY (SCHOOL HAS SMALL SERVICE BASEMENT)** Above Grade: **2 STOREYS**								3.2.1.1. & 1.1.3.2.	9.10.4.	
6		Height of Building (m): **8.84 +/-**										
7		Number of Streets/ Access Routes: **1**								3.2.2.10. & 3.2.5.5.	9.10.20.	
8		Building Classification: **Group A, Division 2, up to 2 Storeys - Existing to Remain**								3.2.2.20-83	9.10.2.	
EXISTING TO REMAIN	9	Sprinkler System Proposed: EXISTING CONDITIONS TO REMAIN (NOT SPRINKLERED)					□ Entire Building □ Basement Only □ In Lieu of Roof Rating □ Not Required			3.2.2.20-83 3.2.1.5. 3.2.2.17.	9.10.8.2.	
	10	Standpipe Required:					□ Yes		■ No	3.2.9.		
	11	Fire Alarm Required:					■ Yes		□ No	3.2.4.	9.10.18.	
	12	Water Service / Supply is Adequate:					■ Yes		□ No	3.2.5.7.		
	13	High Building:					□ Yes		■ No	3.2.6.		
	14	Permitted Construction: □ Combustible Actual Construction: □ Combustible					□ Non-Combustible □ Non-Combustible		■ Both ■ Both	3.2.2.20-83	9.10.6.	
	15	Mezzanine(s) Area (m²): **N/A**								3.2.1.1.(3)-(8)	9.10.4.1.	
	16	Occupant Load: □ m²/ person □ ■ Design of Building								3.1.17.1.	9.9.1.3.	
		Group --	Area: -----	Occupancy: -----	Load: ----- Persons							
		Group --	Area: -----	Occupancy: -----	Load: ----- Persons							
		Group --	Area: -----	Occupancy: -----	Load: ----- Persons							
		Group --	Area: -----	Occupancy: **Total**	Load: ----- Persons							
	17	Barrier-free Design:					□ Yes		■ No	3.8.	9.5.2.	
	18	Hazardous Substances:					■ Yes		□ No	3.3.1.2.(1) & 3.3.1.19.(1)	9.10.1.3.(4)	
	19	Required Fire Resistance Rating (FRR)	Horizontal Assemblies FRR (Hours)	Listed Design No. or Description (SB-2)						3.2.2.20-83 & 3.2.1.4.	9.10.8. 9.10.9. 9.10.9.4.(2)	
			Floor: **3/4 HR**	-----								
			Roof: **N/A**	**FIRE SPRAY ADDED TO U/S OF ROOF IN LIEU OF EXISTING RATED CEILING**								
			Mezz: **N/A**	-----								
			Supporting Members FRR (Hours)	Listed Design No. or Description (SB-2)								
			Floor: **3/4 HR**	-----								
			Roof: **N/A**	-----								
			Mezz: **N/A**	-----								
EXISTING TO REMAIN	20	Spatial Separation - Construction of Exterior Walls:								3.2.3.	9.10.14.	
		Building Face	Area of EBF (m²)	L.D. (m)	L/H Ratio	Permitted U.O.'s (%)	Proposed U.O.'s (%)	FRR (Hours)	Listed Design or Description	Combustible Construction	Non-Comb. Cladding	Non-Comb. Construction
		North	**N/A**	-	-	-	-	-	-----	□	□	□
		East	**N/A**	-	-	-	-	-	-----	□	□	□
		West	**N/A**	-	-	-	-	-	-----	□	□	□
		South	**N/A**	-	-	-	-	-	-----	□	□	□

Notes:

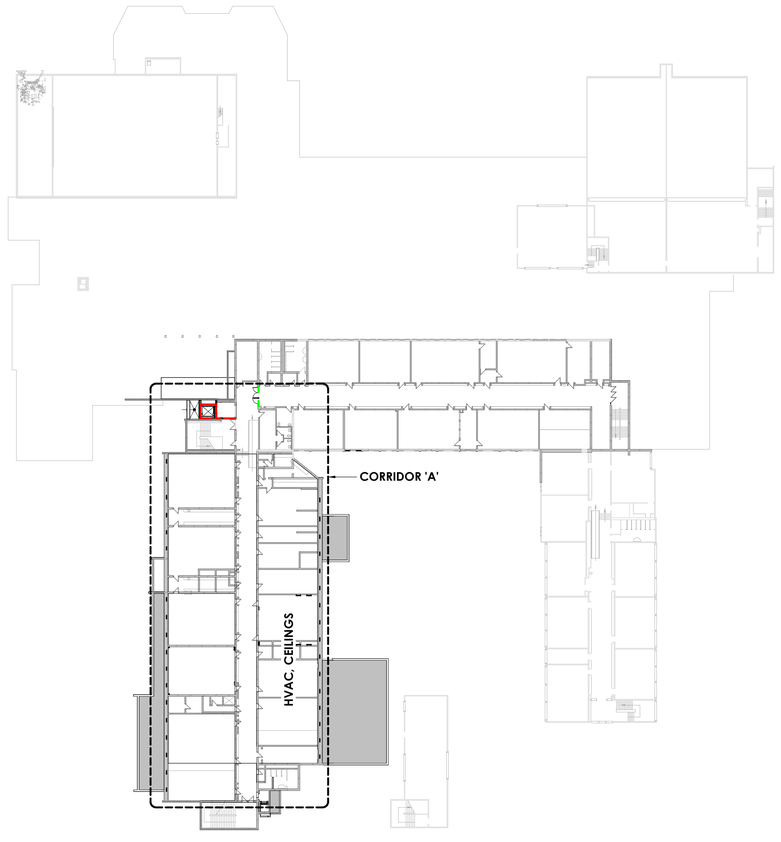
PART 11 OBC MATRIX

Item	Description	Ontario Building Code Data Matrix			OBC Reference
	Project Description	Project Number: **2024-081** Project Name: **Glenview Park Secondary School** Location: **55 McKay St., Cambridge, ON, N1R 4G8**			
11.1	Existing Building Classification	Change in Major Occupancy:	□ Yes	■ Not Applicable	11.2.1.1
		Existing Major Occupancy:	**Group A, Division 2**		
		Describe Use:	**Secondary School**		T 11.2.1.1.B-N
		Building Size:	**Large**		T 11.2.1.1.B-N
		Construction Index:	**N/A**		T 11.2.1.1.A
		Hazard Index (Existing):	**N/A**		T 11.2.1.1.B-N
		Importance Category:	□ Low □ High	■ Normal □ Post-Disaster	4.1.2.1.(3) & 5.2.2.1.(2)
	Proposed Building Classification	Proposed Major Occupancy:	**Group A, Division 2**		
		Describe Use:	**Secondary School**		T 11.2.1.1.B-N
		Building Size:	**Large**		T 11.2.1.1.B-N
		Hazard Index (Proposed):	**N/A**		T 11.2.1.1.B-N
11.2	Alteration to Existing Building	Basic Renovation:	□		11.3.3.1
		Extensive Renovation:	■		11.3.3.2
11.3	Performance Level Reduction	Structural:	■ No	□ Yes	11.4.2.1
		Increase in Occupant Load:	■ No	□ Yes	11.4.2.2
		Change of Major Occupancy:	■ No	□ Yes	11.4.2.3
		Plumbing:	■ No	□ Yes	11.4.2.4
		Sewage System:	■ No	□ Yes	11.4.2.5
11.4	Compensating Construction	Structural:	■ No	□ Yes (explain)	11.4.3.2
		Increase in Occupant Load:	■ No	□ Yes (explain)	11.4.3.3
		Change of Major Occupancy:	■ No	□ Yes (explain)	11.4.3.4
		Plumbing:	■ No	□ Yes (explain)	11.4.3.5
		Sewage System:	■ No	□ Yes (explain)	11.4.3.6
11.5	Compliance Alternatives Proposed	■ No □ Yes (provide number(s)) _____			11.5.1
11.6	Alternative Measures Proposed	■ No □ Yes (explain)			11.5.2



1 / A0.2 LEVEL 1 OBC PLAN

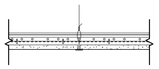
1 : 500



2 / A0.2 LEVEL 2 OBC PLAN

1 : 500

CEILING ASSEMBLIES

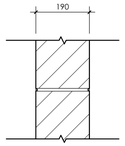


CA1

CEILING ASSEMBLY TYPE CA1
- PRE-ENGINEERED ACOUSTIC TILE CEILING SUSPENSION SYSTEM
- 610 x 1220 ACOUSTIC TILE
- APPLY 1HR FRR FIRE SPRAY ON U/S OF EXISTING STEEL ROOF STRUCTURE ABOVE

REFER TO SPECIFICATIONS

CONCRETE/BLOCK WALL ASSEMBLIES

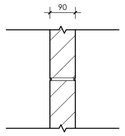


WB1

CONCRETE WALL - TYPE WB1 - 1HR F.R.R.
1HR F.R.R. BASED ON OBC SB-2, 2.1.1
MINIMUM THICKNESS FOR FIRE-RESISTANCE RATING, TABLE 2.1.1.

- 190 CONCRETE BLOCK

TO U/S OF DECK. REFER TO STRUCT. DWGS.

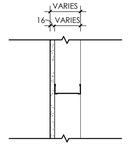


WB2

CONCRETE WALL - TYPE WB2
- 90 CONCRETE BLOCK

TO U/S OF DECK. REFER TO STRUCT. DWGS.

INTERIOR WALL ASSEMBLIES

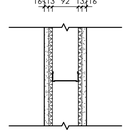


WS1

INTERIOR WALL TYPE WS1
- 16 ABUSE-RESISTANT GYPSUM BOARD
- 64, 92 OR 152 METAL STUDS @ 406 O.C., REFER TO FLOOR PLANS

*TO U/S OF DECK U.N.O.

**GYPSUM BOARD TO EXTEND MINIMUM 152 ABOVE DROPPED CEILING



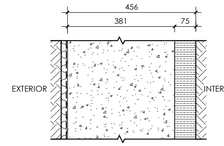
WS2

INTERIOR WALL TYPE WS2 - 0.75 HR F.R.R.
0.75 HE F.R.R. BASED ON OBC SB-2, TABLES 2.3.4.A & 2.3.4.E.

- 16 TYPE 'X' / ABUSE-RESISTANT GYPSUM BOARD
- 13 EXTERIOR GRADE PLYWOOD
- 92 METAL STUDS @ 406 O.C.
- 13 EXTERIOR GRADE PLYWOOD
- 16 TYPE 'X' & ABUSE-RESISTANT GYPSUM BOARD

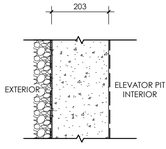
*TO U/S OF DECK U.N.O.

FOUNDATION WALL ASSEMBLIES



WF1

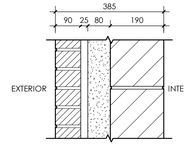
FOUNDATION WALL - TYPE 1
- COMPOSITE DRAINAGE BOARD
- WATERPROOFING MEMBRANE
- REINFORCED CONCRETE FOUNDATION WALL (REFER TO ARCH DWGS FOR WIDTH AND STRUCT. DWGS FOR REINFORCING AND DEPTH OF FOOTING)
- R15 RIGID INSULATION BOARD (EXTEND TO TOP OF FOOTING OR TO A MAX OF 1200 BELOW GRADE)



WF2

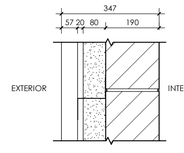
FOUNDATION WALL - TYPE 2
- SHEET WATERPROOFING MEMBRANE (REFER TO SPECIFICATIONS)
- REINFORCED CONCRETE FOUNDATION WALL (REFER TO ARCH DWGS FOR WIDTH AND STRUCT. DWGS FOR REINFORCING AND DEPTH OF FOOTING)
- CRYSTALLINE WATERPROOFING MEMBRANE - PIT INTERIOR (INCLUDING FLOOR) (REFER TO SPECIFICATIONS)

EXTERIOR WALL ASSEMBLIES



WE1

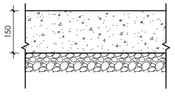
EXTERIOR WALL - TYPE WE1
- 90 BRICK VENEER (RECLAIMED BRICK FROM DEMOLITION PHASE)
- 25 AIR SPACE
- R19 SPRAY FOAM POLYURETHANE INSULATION
- 190 CONCRETE BLOCK



WE2

EXTERIOR WALL - TYPE WE2
- PREFINISHED ACM PANEL
- 100 Z-GIRTS
- R19 SPRAY FOAM POLYURETHANE INSULATION
- 190 CONCRETE BLOCK

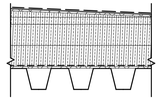
FLOOR ASSEMBLIES



FA1

FLOOR ASSEMBLY - TYPE FA1
- 150 REINFORCED CONCRETE SLAB ON GRADE (REFER TO STRUCT. DWGS)
- COMPACTED GRANULAR 'A' BASE (REFER TO STRUCT. DWGS)

ROOF ASSEMBLIES



RA1

ROOF ASSEMBLY - TYPE RA1
- 2-PLY MOD.BIT ROOF MEMBRANE c/w TEXTURED CAP SHEET AND FULLY ADHEARED BASE SHEET
- 6 FIBRE-REINFORCED GYPSUM COVER BOARD
- R35 POLYISO CLOSED CELL RIGID FOAM BOARD INSULATION - STAGGER JOINTS (PROVIDE TAPERED INSULATION UNITS ON TOP OF MONOLITHIC 75 FOAM BOARD INSULATION)
- VAPOUR RETARDER MEMBRANE
- 38 OR 76 MEDIAL DECK

PROJECT NORTH

ONTARIO ASSOCIATION OF ARCHITECTS — JESSE A.D.P. BEDARD — LICENCE 7407

No.	REVISIONS	DATE

ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05
CHRONOLOGY	DATE

aba architects inc.
101 Randall Drive, Unit B, Waterloo ON, N2J 3X1 | www.abaarchitect.ca

CLIENT: WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE
OBC MATRICES, ASSEMBLIES & AREAS OF SCOPE

SCALE	As indicated
SHEET SIZE	24X36
PROJECT NUMBER	2024-081
DRAWING NUMBER	A0.2

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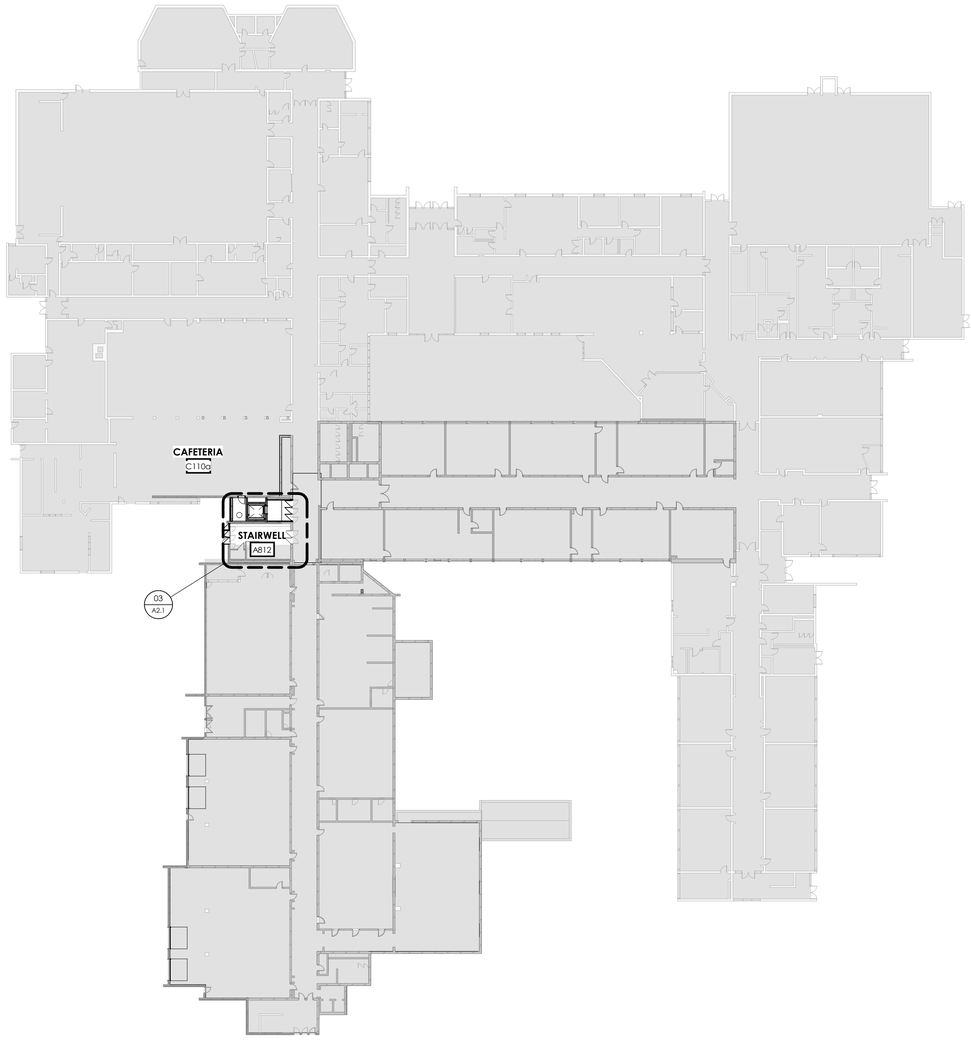
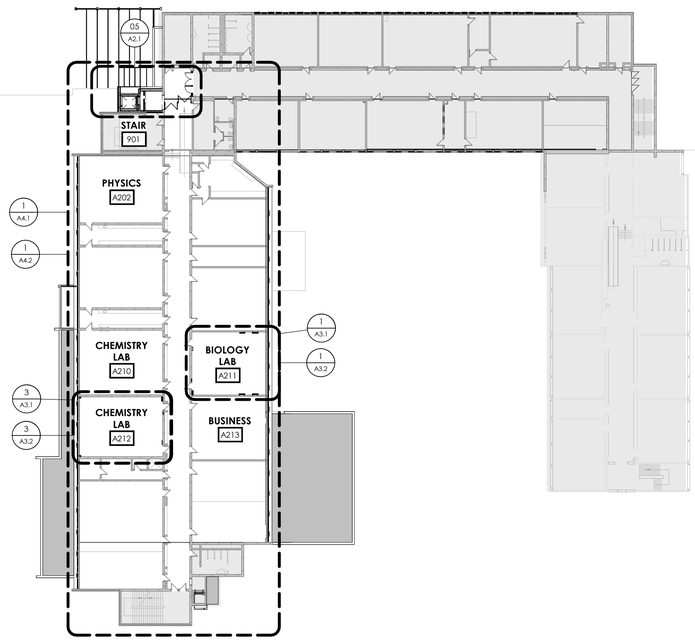


1 A1.1 ARCHITECTURAL KEY PLAN - LEVEL 1

1 : 400



2 A1.1 ARCHITECTURAL KEY PLAN - LEVEL 2

1 : 400

ONTARIO ASSOCIATION OF ARCHITECTS
LINA G.P. BEDARD
LICENCE 7407

No.	REVISIONS	DATE

ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05
CHRONOLOGY	DATE

aba architects inc.
100 Randall Drive, Unit 8, Waterloo, ON, N2V 1C6 | 519.884.2717 | www.abaarchitects.ca

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

ARCH. KEY PLANS

SCALE	1 : 400
SHEET SIZE	24X36
PROJECT NUMBER	2024-081

DRAWING NUMBER

A1.1

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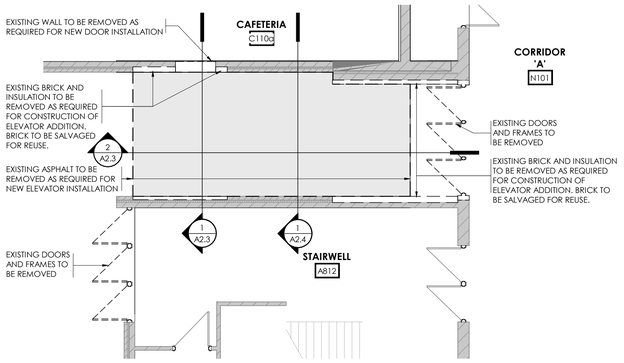
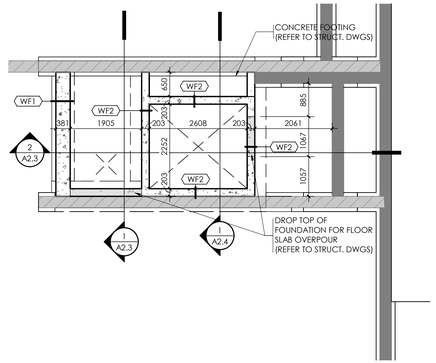


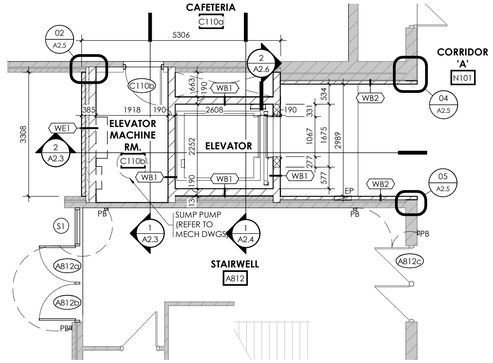
01 A2.1 LEVEL 1 - PARTIAL DEMOLITION FLOOR PLAN - ELEVATOR RENO.

1 : 75



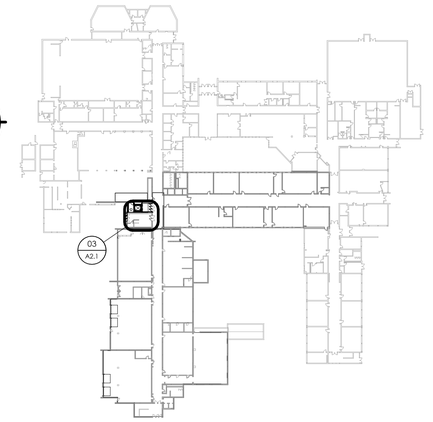
02 A2.1 PARTIAL FOUNDATION PLAN - ELEVATOR RENO.

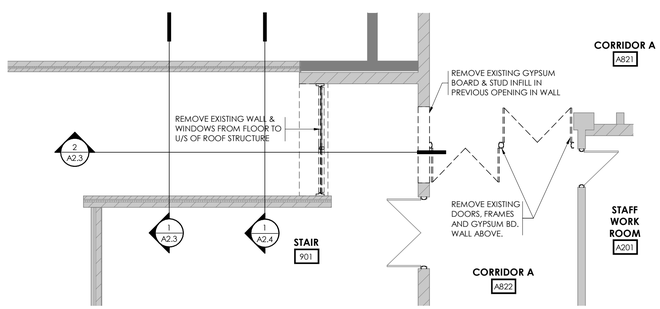
1 : 75



03 A2.1 LEVEL 1 - PARTIAL FLOOR PLAN - ELEVATOR RENO.

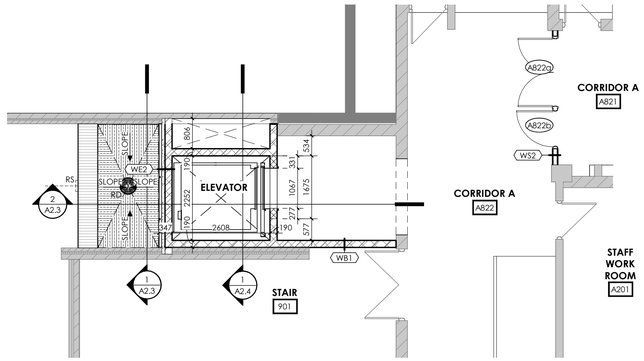
1 : 75





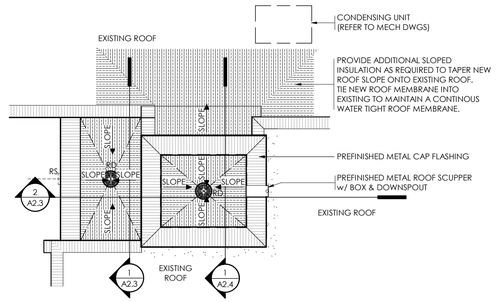
04 A2.1 LEVEL 2 - PARTIAL DEMOLITION FLOOR PLAN - ELEVATOR RENOVATION

1 : 75



05 A2.1 LEVEL 2 - PARTIAL FLOOR PLAN - ELEVATOR RENOVATION

1 : 75



06 A2.1 PARTIAL ROOF PLAN - ELEVATOR RENOVATION

1 : 75

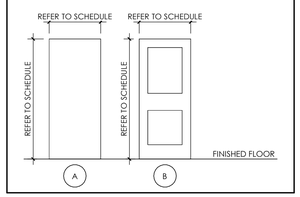
DEMOLITION PLAN LEGEND

- EXISTING WALL TO REMAIN (SHOWN SHADED)
- EXISTING WALL TO BE DEMOLISHED
- EXISTING DOOR AND FRAME TO REMAIN
- EXISTING DOOR AND FRAME TO BE DEMOLISHED
- EXISTING WINDOW AND FRAME TO REMAIN
- EXISTING WINDOW AND FRAME TO BE DEMOLISHED
- DENOTES EXISTING BUILDING
- DENOTES AREA N.I.C. UNLESS NOTED OTHERWISE

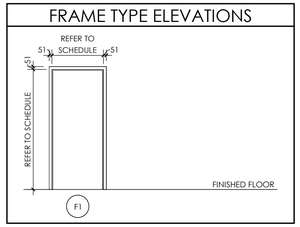
DEMOLITION NOTES

1. DISPOSE OF REMOVED ITEMS IN A LAWFUL MANNER IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE MUNICIPALITY HAVING JURISDICTION.
2. ALL EXISTING WALLS AND ITEMS TO BE REMOVED ARE SHOWN DASHED.
3. ALL EXISTING WALLS TO REMAIN ARE SHOWN SHADED.
4. OWNER TO HAVE THE RIGHT TO FIRST REFUSAL OF ALL ITEMS REMOVED. ITEMS TO BE STORED IN A DRY AND SECURE LOCATION. ALL REMOVED ITEMS SHALL BE DISPOSED OF AS PER NOTE No. 1.
5. COORDINATE WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS ALL RELATED COMPONENTS OF DEMOLITION, MODIFICATION AND NEW INSTALLATION.
6. REMOVE, RELOCATE AND/OR RE-ROUTE ALL MECHANICAL AND ELECTRICAL SERVICES AND CONNECTIONS AS REQUIRED TO ACCOMMODATE DEMOLITION OR AS NECESSARY AS A RESULT OF DEMOLITION.
7. SUPPLY AND INSTALL ALL NECESSARY SHORING AND/OR BRACING AS REQUIRED FOR TEMPORARY SUPPORT OF EXISTING STRUCTURE. COORDINATE WITH A STRUCTURAL ENGINEER AS REQUIRED.
8. ENSURE ALL FLOOR AREAS ARE FREE OF HAZARDS AFTER DEMOLITION IS COMPLETE. LEVEL, PATCH, FILL AND GRIND FLOOR AS REQUIRED TO ACHEIVE A SMOOTH SANITARY SURFACE READY TO RECEIVE FLOOR FINISH.
9. CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO EXISTING ABUTTING WALLS, SURFACES AND FINISHES TO REMAIN.
10. PROTECT SALVAGED AND/OR ITEMS TO REMAIN FROM DAMAGE. PROVIDE ADEQUATE COVERINGS AND/OR STORAGE AS REQUIRED.
11. EXISTING EXIT SIGNAGE, FIRE ALARM SYSTEM AND EMERGENCY LIGHTING TO BE LEFT IN OPERATION DURING DEMOLITION AND DURATION OF CONTRACT OR UNTIL NEW INSTALLED.
12. COORDINATE WITH OWNER AREA(S) FOR WASTE BIN LOCATION. SUPPLY AND MAINTAIN PROTECTIVE MEASURES TO ENSURE THE PUBLIC'S SAFETY.
13. COORDINATE WITH THE OWNER ANY STAGING OF WORK AND/OR DISRUPTIONS TO PARKING AND TRAFFIC FLOWS.
14. SHOULD MATERIAL RESEMBLING SPRAY OR TROWEL APPLIED ASBESTOS OR OTHER TOXIC OR HAZARDOUS MATERIALS BE ENCOUNTERED IN THE COARSE OF DEMOLITION, STOP WORK, TAKE PREVENTATIVE MEASURES AND NOTIFY ARCHITECT AND/OR OWNER IMMEDIATELY. DO NOT PROCEED UNTIL WRITTEN INSTRUCTIONS HAVE BEEN RECEIVED.
15. CONTRACTOR TO EXAMINE EXISTING CONDITIONS ON SITE AFFECTING DIVISION OF WORK. NO CLAIM FOR PAYMENT SHALL BE MADE FOR EXTRA WORK MADE NECESSARY BY CIRCUMSTANCES ENCOUNTERED DUE TO CONDITIONS WHICH WERE VISIBLE UPON, OR REASONABLY INFERABLE, FROM AN EXAMINATION OF THE SITE PRIOR TO SUBMISSION OF THE BID. THIS INCLUDES BUT IS NOT LIMITED TO THE SERVICES ABOVE THE CEILING.
16. CONTRACTOR MUST OBTAIN DEMOLITION PERMITS REQUIRED BY RELEVANT AUTHORITIES BEFORE THE COMMENCEMENT OF THE WORK.
17. DURING DEMOLITION, CONTRACTOR TO PREVENT DUST, DIRT AND DEBRIS FROM RISING OR MIGRATING TO OTHER AREAS BY HANGING 0.5mm POLY SHEETS BETWEEN AREAS OF CONSTRUCTION. PROTECT EXISTING HVAC UNITS FROM CONTAMINATION AND REPLACE FILTERS UPON COMPLETION OF DEMOLITION.
18. CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN THE INTEGRITY OF THE BUILDING CORE.
19. DEMOLITION OCCURING BEYOND THE SCOPE IDENTIFIED IS TO BE REPAIRED OR REPLACED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
20. CONTRACTOR TO PATCH CEILING, ADJACENT WALLS AND FLOOR SURFACES AS REQUIRED AFTER DEMOLITION. ALL STRIPPED SURFACES TO BE LEFT IN SMOOTH CONDITION SUITABLE TO RECEIVE NEW FINISHES.
21. ELECTRICAL SERVICES TO BE REMOVED ARE TO BE SAFELY CAPPED, COMPLIANT WITH THE APPLICABLE CODES.
22. ALL CUTTING AND PATCHING OF EXISTING FINISHES WILL BE DONE TO THE HIGHEST STANDARD.
23. GENERAL CONTRACTOR TO ENSURE ALL FLOOR AREAS ARE FREE OF HAZARDS AFTER DEMOLITION AND DURING CONSTRUCTION.
24. SAWCUT AND REMOVE THE EXISTING SLAB ON GRADE TO FACILITATE ANY BURIED MECHANICAL AND/OR ELECTRICAL ITEMS. PATCH AND MAKE GOOD SLAB ON GRADE AFTER NEW SERVICES ARE IN PLACE. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS.
25. DISCONNECT ALL EXISTING EXTERIOR SIGNAGE TO BE REMOVED AND PROVIDE FINAL CONNECTIONS FOR NEW AND/OR REPLACED SIGNAGE. COORDINATE WITH ELECTRICAL DRAWINGS.
26. CONTRACTOR TO REFER TO GENERAL CONDITIONS AS OUTLINED IN SPECIFICATIONS FOR NEW CONSTRUCTION.

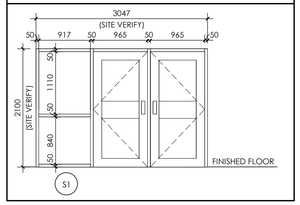
DOOR TYPE ELEVATIONS



FRAME TYPE ELEVATIONS



SCREEN TYPE ELEVATIONS



DOOR AND FRAME SCHEDULE

No.	F.R.R	DOOR ELEV.	DOOR SIZE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZ.	FRAME ELEV.	FRAME SCREEN ELEV.	FRAME MATERIAL	FRAME FINISH	HWE. PKG	REMARKS
DOOR AND FRAME SCHEDULE - A3.0 BASE BUILDING (by MARK)												
A812a	--	B	965 x 2032	I.H.M.	PAINT	G.W.G.	S1		H.M.	PAINT	H1	
A812b	--	B	965 x 2032	I.H.M.	PAINT	G.W.G.	S1		H.M.	PAINT	H1*	
A812c	EXIST.	EXIST.	EXISTING DOOR	H.M.	PAINT	EXIST.	EXIST.		H.M.	PAINT	H2	
A822a	.75 HR	B	2-914 x 2032	H.M.	PAINT	G.W.G.	F1		H.M.	PAINT	H4	
A822b	.75 HR	B	965 x 2032	H.M.	PAINT	G.W.G.	F1		H.M.	PAINT	H4	
C110b	.75 HR	A	2134 x 965	H.M.	PAINT	-	F1		H.M.	PAINT	H3	

DOOR HARDWARE SCHEDULE

H1 STAIRWELL EXTERIOR DOORS
- THREE (3) HINGES
- OVERHEAD DOOR CLOSER
- DOOR STOP
- EXIT DEVICE
- DOOR PULL
- WEATHERSTRIPPING
- DOOR SWEEP
- BARRIER FREE ALUMINUM THRESHOLD
- CARD READER
- ELECTRIC STRIKE
- AUTOMATIC DOOR OPERATOR
- TWO (2) BARRIER FREE PUSH BUTTONS

H1* STAIRWELL EXTERIOR DOORS
- SAME AS HARDWARE PACKAGE H1 JUST WITH NO POWER DOOR OPERATOR AND RELATED HARDWARE.

H2 STAIRWELL INTERIOR DOOR
- ELECTRIC STRIKE
- AUTOMATIC DOOR OPERATOR
- TWO (2) BARRIER FREE PUSH BUTTONS

H3 ELEVATOR MACHINE ROOM
- THREE (3) HINGES
- STOREROOM LEVER LATCH SET
- DOOR CLOSER
- PERIMETER SMOKE SEAL GASKET
- PERIMETER SOUND SEAL GASKET
- AUTO DOOR BOTTOM SEAL

H4 CORRIDOR DOORS
- THREE (3) HINGES
- OVERHEAD DOOR CLOSER
- DOOR PULL
- PERIMETER SMOKE SEAL GASKET
- MAGNETIC HOLD OPEN

FLOOR PLAN NOTES

1. PARTITIONS WHICH SUPPORT FIXTURES, MILLWORK AND/OR ACCESSORIES ARE TO BE REINFORCED WITH WOOD STUDS, BLOCKING AND PLYWOOD AS REQUIRED TO PROVIDE RIGID SUPPORT AND FASTENING SURFACES.
2. SITE VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF DOORS, WINDOWS, MILLWORK AND GLAZING SYSTEMS. REPORT ALL DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
3. ALL WALLS, CEILINGS AND SURFACES THAT ARE TO BE PAINTED SHALL BE REPAIRED, PATCHED AND SANDED SMOOTH, AS REQUIRED, READY FOR PAINT.
4. ALL NEW SIGNAGE TO BE COORDINATED IN CONJUNCTION WITH OWNER'S REQUIREMENTS. ALL PERMITS AND DRAWINGS BY OTHERS.
5. EXISTING WALLS AND/OR STRUCTURES TO REMAIN ARE SHOWN SHADED.
6. COORDINATE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL RELATED COMPONENTS OF DEMOLITION, MODIFICATION AND NEW INSTALLATION.
7. REMOVE ALL REDUNDANT PLUMBING, ELECTRICAL, MECHANICAL AND HVAC COMPONENTS AS SCHEDULED BY CONSULTANTS. PATCH, SEAL, COVER AND MAKE SAFE AS REQUIRED.
8. PATCH AND REPAIR ALL OPENINGS AND PENETRATIONS FROM REMOVED ITEMS IN EXISTING FLOORS, WALLS AND CEILINGS TO REMAIN (MAINTAIN EXISTING FIRE RATINGS AS NOTED).
9. ALL EXISTING SURFACES TO RECEIVE NEW FINISHES ARE TO BE REVIEWED PRIOR TO CONSTRUCTION. ALL DISCREPANCIES IN THE EXISTING MATERIALS AND/OR DIMENSIONS TO BE REPORTED TO THE ARCHITECT.
10. ALL EXISTING WALLS, CEILINGS AND SURFACES THAT ARE TO BE PAINTED SHALL BE REPAIRED, PATCHED AND SANDED SMOOTH, AS REQUIRED, READY FOR PAINT.
11. INTERIOR DIMENSIONS ARE TO/FROM FACE OF STEEL STUD, TO/FROM FACE OF STEEL STUD AND/OR EXISTING WALL FINISH.
12. PROVIDE FIRE STOPPING/FIRE CAULKING AT TOP OF WALL TO MAINTAIN CONTINUOUS FIRE SEPARATION WHERE REQUIRED. REFER TO ASSEMBLIES AND OBC PLANS.
13. FURR IN RAIN WATER LEADERS WITH 92mm METAL STUDS AND GYPSUM BOARD TO 200mm ABOVE CEILING LINE, UNLESS NOTED OTHERWISE. FOR EXACT NUMBER OF RAIN WATER LEADERS AND CHASES REFER TO MECHANICAL DRAWINGS.
14. ALL INTERIOR CONCRETE BLOCK PARTITIONS/WALLS TO EXTEND FULL HEIGHT TO U/S OF STRUCTURE UNLESS NOTED OTHERWISE. PROVIDE GAP FOR DEFLECTION AS REQUIRED.
15. THE CONTRACTOR SHALL ENSURE THAT ALL PORTIONS OF EXPOSED FOUNDATION WALLS ARE TO BE CARFULLY FORMED AND POURED AND THAT ALL SURFACE IMPERFECTIONS, SCUFFS, CHIPS ABRASIONS, INCLUDING FORM TIES ARE REMOVED AND THE SURFACES ARE MADE GOOD.
16. ALL EXTERIOR EXPOSED ARCHITECTURAL CONCRETE SURFACES TO BE SEALED.
17. ALL AREAS DESIGNATED AS MECHANICAL SPACE TO RECEIVE FIRE STOPPING AND DAMPERS AT ALL FLOOR PENETRATIONS.
18. GENERAL CONTRACTOR TO VERIFY ELEVATOR SHAFT SIZE PRIOR TO CONSTRUCTION WITH APPROVED SHOP DRAWINGS.
19. GENERAL CONTRACTOR TO PROVIDE AND MAINTAIN ALL SHORING THAT IS REQUIRED FOR TEMPORARY SUPPORTS.
20. SUPPLY AND INSTALL SEALANT AT LOCATIONS OF ABUTTING, DISSIMILAR MATERIALS AND EQUIPMENT, VISIBLE OR OTHERWISE, TO PROTECT BUILDING COMPONENTS FROM AIR INFILTRATION AND MOISTURE PROTECTION. COLOUR TO MATCH ADJACENT SURFACE.
21. GRIND EXISTING FLOORS AS REQUIRED TO ENSURE A SMOOTH SURFACE READY FOR NEW FINISH.

FLOOR PLAN LEGEND

- EXISTING WALL TO REMAIN (SHOWN SHADED)
- PROPOSED WALL AS NOTED (REFER TO WALL SCHEDULE)
- EXISTING DOOR AND FRAME TO REMAIN
- PROPOSED DOOR AND FRAME AS NOTED (REFER TO DOOR SCHEDULE)
- EXISTING WINDOW AND FRAME TO REMAIN
- DENOTES EXISTING BUILDING TO REMAIN
- DENOTES AREA N.I.C. UNLESS NOTED OTHERWISE
- W-- PROPOSED WALL TAG: (REFER TO WALL SCHEDULE)
- D-- PROPOSED DOOR TAG: (REFER TO DOOR SCHEDULE)
- W-- PROPOSED WINDOW TAG: (REFER TO WINDOW SCHEDULE)
- S-- PROPOSED SCREEN TAG: (REFER TO SCREEN SCHEDULE)
- PB BARRIER FREE PUSH BUTTON - REFER TO ELEC. DWGS.
- FD FLOOR DRAIN - REFER TO MECH. DRAWINGS.
- EW EYE WASH - REFER TO MECH. DWGS.

ONTARIO ASSOCIATION OF ARCHITECTS — JASON D.P. BEDARD — LICENSE 7407

No.	REVISIONS	DATE

ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05
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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

ELEVATOR RENOVATION DEMOLITION AND FLOOR PLANS

SCALE	As indicated
SHEET SIZE	24X36
PROJECT NUMBER	2024-081
DRAWING NUMBER	A2.1

DRYWALL FINISH LEGEND

FINISH	DESCRIPTION	KEY NOTE
LEVEL 0	UNFINISHED	NO TAPE REQUIRED
LEVEL 1	TAPE AND JOINT COMPOUND	-
LEVEL 2	UNFINISHED OR TILE FINISH ONLY	-
LEVEL 3	HEAVYWEIGHT FINISHES ONLY	-
LEVEL 4	LIGHTWEIGHT FINISHES ONLY	CLASSIC DRYWALL FINISH
LEVEL 5	FLAT, SEMI-GLOSS, GLOSS FINISHES	HIGHEST POSSIBLE FINISH

PAINT GLOSS LEVEL LEGEND

GLOSS LEVEL	FINISH TYPE	GLOSS @ 60°	SHEEN @ 85°
LEVEL G1	MATTE	MAX. 5 UNITS	MAX. 10 UNITS
LEVEL G2	VELVET	MAX. 10 UNITS	10 - 35 UNITS
LEVEL G3	EGSHELL	10 - 25 UNITS	10 - 35 UNITS
LEVEL G4	SATIN	20 - 35 UNITS	MIN. 35 UNITS
LEVEL G5	SEMI-GLOSS	35 - 70 UNITS	-
LEVEL G6	TRADITIONAL GLOSS	70 - 85 UNITS	-
LEVEL G7	HIGH GLOSS	MIN. 85 UNITS	-

FINISH MATERIAL SPECIFICATIONS

PAINT

(PT-1) PT-1 (GENERAL WALL & CEILING COLOUR)
BENJAMIN MOORE
CC-20, DECORATOR'S WHITE
*EGGSHELL FINISH ON WALL APPLICATIONS (GLOSS LEVEL G3)
**FLAT FINISH AT CEILING APPLICATIONS (GLOSS LEVEL G1)
***BENJAMIN MOORE PRE-CATALYZED WATERBORNE EPOXY (OR APPROVED ALTERNATE BY DULUX OR SHERWIN WILLIAMS)

(PT-2) PT-2 (DOORS & TRIM)
DULUX
QONN 07/000, DEEP ONYX
*SATIN FINISH AT TRIM APPLICATIONS (GLOSS LEVEL G4)
**BENJAMIN MOORE PRE-CATALYZED WATERBORNE EPOXY (OR APPROVED ALTERNATE BY DULUX OR SHERWIN WILLIAMS)

MELAMINE

(MEL-1) MEL-1 (SCIENCE LAB MILLWORK)
PANOLAM, TFL
COLOUR: S499, GALAXY WHITE
FINISH: SATIN
*WITH BASE-1 ON BASE OF MILLWORK
**PROVIDE 3mm EDGEBANDING TO MATCH

(MEL-2) MEL-2 (INTERIOR OF CABINETS)
UNIBOARD, TFL
COLOUR: WHITE

PLASTIC LAMINATE

(PL-1) PLAM-1 (WINDOW SILLS)
WILSONART
1573-60, FROSTY WHITE
*PLAM TO BE ADHERED TO 3/4" PLYWOOD WITH 1 1/2" SQUARE EDGE PROFILE
**1MM PVC TRANSLUSCENT SEALANT REQUIRED AROUND PERIMETER OF SILL

SOLID SURFACE

(SURF-1) SURF-1
DURCON
CHEMICAL RESISTANT SOLID PHENOLIC
SIZE: 1" THICK
COLOUR: CARBON BLACK
EDGE: RADIUS

HARDWARE

(PULL-1) PULL-1
CANADIAN BUILDERS' HARDWARE
CBH 255 PULL

CONCRETE SEALER

(CONC-1) CONC-1
W.R. MEADOWS OF CANADA LIMITED
INTRAGUARD
COLOUR: TRANSPARENT, MATTE FINISH

VINYL SHEET FLOORING

(VSF-1) VSF-1 (SCIENCE LAB FLOORING)
TARKETT
IQ OPTIMA, ROLLED GOOD
COLOUR: 0853, THUNDER HEAD
REFERENCE #: 3242853
SIZE: 6.6' x 82' x 2mm THICK
INSTALLATION: GLUE DOWN
BASE: BASE-1
*SCHLUTER (ATGB – BRUSHED NICKEL FINISH) FLOORING TRANSITION STRIPS REQUIRED WHERE FLOOR MATERIAL CHANGES. REFER TO FLOOR FINISHES PLAN FOR LOCATIONS.

WALL BASE

(BASE-1) BASE-1 (GENERAL & SCIENCE LAB)
TARKETT
PROFILE: TRADITIONAL VINYL
SIZE: 4"H x 1/8" THICK
COLOUR: 40, BLACK

(BASE-2) BASE-2 (PORCELAIN TILE BASE)
4" H TO BE CUT FROM PORT-1
*SCHLUTER JOLLY TRIM (ATGB FINISH) TO BE USED ON ALL EXPOSED EDGES

CEILING TILE

(ACT-1) ACT-1
ARSMITRONG
CORTEGA SQUARE LAY-IN
SIZE: 610mm x 1220mm
COLOUR: WHITE
GRID: 15/16"

PORCELAIN TILE

(PORT-1) PORT-1 (ELEVATOR WALL TILE)
OLYMPIA TILE
SERIES: PIETRA DI BRERA
COLOUR: GRIGIO
FINISH: MATTE
SIZE: 12" x 24"
GROUT: MAPEI, 107 IRON (SEAL GROUT)
INSTALLATION: HORIZONTALLY STACKED
* ADD SCHLUTER JOLLY TRIM (ATGB - BRUSHED NICKEL FINISH) ON ALL EXPOSED EDGES

FINISH PLAN LEGEND

- INDICATES EXTENT OF WALL FINISH
- INDICATES FLOORING DIRECTION
- INDICATES FLOORING TRANSITION
- (X) X XX.X — INDICATES INTERIOR ELEVATION
- (PT-X) PAINT FINISH (WALL U.N.O.)
- (LVT-X) LUXURY VINYL TILE
- (CRPT-X) CARPET TILE
- (CER-X) CERAMIC TILE (FLOOR AND/OR WALL)
- (PORT-1) PORCELAIN TILE (FLOOR AND/OR WALL)
- (WC-1) WALL COVERING
- (CONC-X) CONCRETE SEALER COATING
- (ETC-X) EPOXY COATING
- (BASE-X) WALL BASE

REFER TO FINISH MATERIAL SPECIFICATIONS

FINISH PLAN NOTES

1. REFER TO DRAWING FOR FLOORING INSTALL DIRECTION.
2. TRANSITION STRIPS REQUIRED ANYWHERE WHERE TWO DIFFERENT FLOORING MATERIALS MEET. CONTRACTOR TO COORDINATE APPROPRIATE PRODUCT/PROFILE WITH DESIGNER BEFORE ORDERING, UNLESS NOTED OTHERWISE. ALL TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR FRAME.
3. PROVIDE SAMPLES OF ALL FINISHES FOR APPROVAL PRIOR TO INSTALLATION.
4. ALTERNATIVES TO BE SUBMITTED TO DESIGNER FOR REVIEW AND APPROVAL BEFORE ORDERING.
5. DOORS AND FRAMES TO BE PT-2 (GLOSS LEVEL G4).
6. ALL EXPOSED CEILINGS, DRYWALL CEILINGS AND BULKHEADS TO BE PAINTED PT-1 (GLOSS LEVEL G1), UNLESS NOTED OTHERWISE.
7. ALL COLUMNS AND WALLS TO BE PAINTED PT-1 (GLOSS LEVEL G3), UNLESS NOTED OTHERWISE.
8. ALL EXISTING WINDOW SILLS TO RECEIVE PLAM-1, UNLESS NOTED OTHERWISE.
9. USE BASE-1 UNLESS NOTED OTHERWISE.

FINISH PLAN KEYNOTES

(1) 2438 x 1220 WHITEBOARD.

PROJECT NORTH

RCP KEYNOTES

(1) PROVIDE NEW 610 x 1220 ACOUSTIC TILE CEILING (ACT-1) AND GRID.

(2) PATCH AND REPAIR ANY DAMAGE TO BLOCK OR BRICK WALL BELOW CEILING. BLOCK TO RECEIVE PAINT TO MATCH EXISTING.

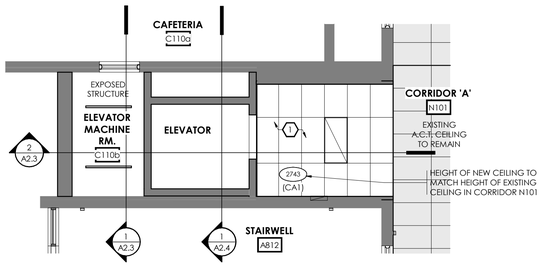
(3) REPLACE ACOUSTIC CEILING TILE GRID IN ALL LOCATIONS WHERE REMOVAL WAS NECESSARY FOR CONSTRUCTION OR WHERE DAMAGED DURING CONSTRUCTION.

(4) REPLACE ANY/ALL DAMAGED EXISTING ACOUSTIC CEILING TILES. ANY NEW TILES TO MATCH EXISITNG

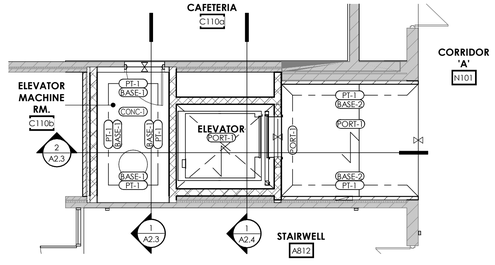
KEYNOTES MAY NOT APPER ON ALL REFLECTED CEILING PLANS

RCP LEGEND

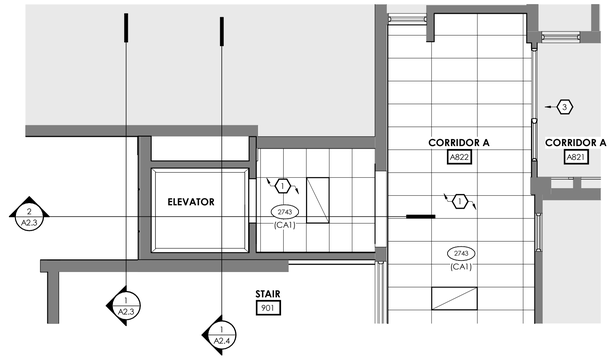
- (2450) CEILING HEIGHT TAG
- POT LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- SUSPENDED PENDANT LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- WALL MOUNTED LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- 610x610 AND 610x1220 RECESSED FLUORESCENT LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- SUSPENDED LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- SUPPLY AIR DIFFUSERS (REFER TO MECHANICAL DWGS.)
- EXHAUST FAN (REFER TO MECHANICAL DWGS.)
- RETURN AIR GRILLE (REFER TO MECHANICAL DWGS.)



1 / A2.2 LEVEL 1 - PARTIAL REFLECTED CEILING PLAN - ELEVATOR RENO.
1 : 75



4 / A2.2 LEVEL 1 - PARTIAL FINISH PLAN - ELEV. RENOVATION
1 : 75



2 / A2.2 LEVEL 2 - PARTIAL REFLECTED CEILING PLAN - ELEVATOR RENOVATION
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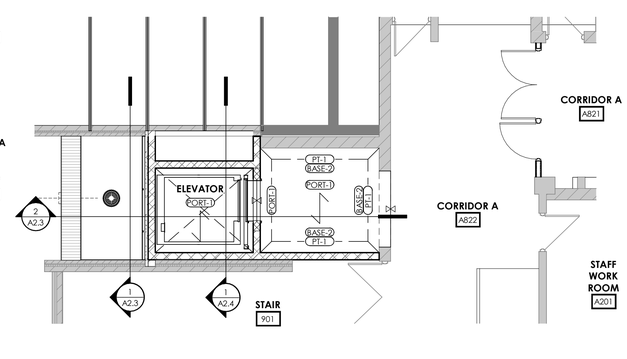
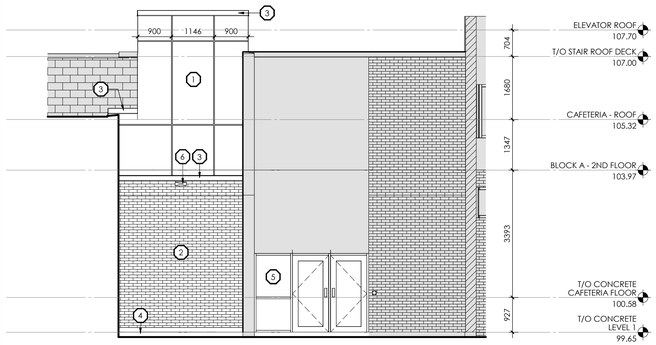


5 / A2.2 LEVEL 2 - PARTIAL FINISH PLAN - ELEV. RENOVATION
1 : 75



3 / A2.2 NORTH ELEVATION
1 : 75

ELEVATION MATERIAL LEGEND

1. ALUMINUM COMPOSITE METAL PANEL WALL CLADDING
   COLOUR: TO MATCH EXISTING
2. RECLAIMED BRICK VENEER
3. PREFINISHED METAL PARAPET CAP FLASHING
   COLOUR: TO MATCH ACM PANEL
4. CONCRETE FOUNDATION WALL EXPOSED FACES TO BE SEALED
5. SEALED DOUBLE GLAZING SET IN THERMALLY BROKEN HOLLOW METAL WINDOW FRAMING
   GLAZING: TEMPERED, CLEAR INSULATED SEALED DOUBLE UNIT GLAZING
   COLOUR: T.B.D.
6. PREFINISHED METAL ROOF SCUPPER

RCP NOTES

1. LIGHT FIXTURES ARE TO BE PLACED IN THE CENTRE OF THE SUSPENDED CEILING TILE, GYPSUM BOARD CEILING OR BULKHEAD UNLESS NOTED OTHERWISE.
2. EMERGENCY AND EXIT SIGNS NOT SHOWN. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS AND MOUNTING HEIGHTS, NOTIFY ARCHITECT AND/OR DESIGNER OF ANY CONFLICTS.
3. REFER TO ELECTRICAL DRAWINGS FOR FULL SCOPE OF ELECTRICAL DEVICES AND SPECIFICATIONS, NOTIFY THE ARCHITECT AND/OR DESIGNER OF ANY FOUND DISCREPANCIES AND/OR CONFLICTS.
4. REFER TO MECHANICAL DRAWINGS FOR FULL SCOPE OF MECHANICAL DEVICES AND SPECIFICATIONS, NOTIFY THE ARCHITECT AND/OR DESIGNER OF ANY FOUND DISCREPANCIES AND/OR CONFLICTS.
5. EXTENT OF NEW AND/OR EXISTING SPRINKLER SYSTEM NOT SHOWN. GENERAL CONTRACTOR TO SUPPLY AND INSTALL SPRINKLER SYSTEM TO APPLICABLE CODES TO SUIT PLANS. GENERAL CONTRACTOR TO SUPPLY SHOP DRAWINGS FOR SPRINKLER SYSTEM TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
6. LIGHT FIXTURES AND MECHANICAL DUCTWORK/DIFFUSERS/RETURN AIR GRILLES/EQUIPMENT ARE SHOWN FOR COORDINATION PURPOSES ONLY. NOT ALL FIXTURES MAY BE INDICATED ON THIS PLAN. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPREHENSIVE SCHEDULING OF FIXTURES, DEVICES AND EQUIPMENT/QUANTITY/MOUNTING HEIGHTS/ETC.
7. REFER TO ARCHITECT AND/OR DESIGNER DRAWINGS FOR DIMENSIONAL LOCATION OF CEILING FIXTURES. REFER TO ENGINEERING DRAWINGS FOR SPECIFICATIONS. LOCATION FOR FIXTURES IN CEILING TO BE LAID OUT AND APPROVED ON SITE BY DESIGNER PRIOR TO INSTALLATION.
8. LOCATE DIFFUSERS/GRILLES AND LIGHT FIXTURES WITHIN GRID LINES. CENTRE SPRINKLER HEADS, SPEAKERS, RECESSED FIXTURES, AND SIMILAR CEILING ELEMENTS IN ACOUSTICAL UNITS AND DRYWALL TO CREATE ALIGNMENT, UNLESS NOTED OTHERWISE.
9. CONTRACTOR TO CROSS REFERENCE BETWEEN ARCHITECT AND/OR DESIGNER'S ELECTRICAL DRAWINGS, ENGINEER'S ELECTRICAL DRAWINGS, ENGINEER'S MECHANICAL DRAWINGS AND SITE CONDITIONS. REPORT DISCREPANCIES TO THE ARCHITECT AND/OR DESIGNER FOR CLARIFICATION.
10. CONTRACTOR TO PROVIDE OPENINGS IN DRYWALL CEILING TO ACCOMODATE SPRINKLERS, EXIT LIGHTS, ACCESS PANELS TO MECHANICAL BOTH NEW AND BASE BUILDING EQUIPMENT. RECESSED DOWN LIGHT AND AIR DIFFUSERS. CONTRACTOR TO REFER TO REFLECTED CEILING PLAN AND ENGINEERING DRAWINGS AND SPECIFICATIONS.
11. ALL POT LIGHTS AND ACCENT LIGHTS TO BE ON DIMMERS UNLESS NOTED OTHERWISE. REFER TO ENGINEERING DRAWINGS FOR FURTHER INFORMATION.
12. REFER TO ENGINEERING DRAWING FOR LIFE SAFETY SYSTEMS.
13. ALL GYPSUM BOARD CEILINGS TO RECEIVE PAINT FINISH PT-1 (BENJAMIN MOORE, CC-20, DECORATOR'S WHITE) UNLESS NOTED OTHERWISE.
14. WHEREVER EXISTING FIXTURES ARE DAMAGED OR IN POOR WORKING ORDER, CONTRACTOR TO ALLOW FOR REPLACEMENT WITH NEW FIXTURES TO MATCH EXISTING.
15. CONTRACTOR TO PROVIDE AIR TRANSFER DUCTS IN ACCORDANCE WITH MECHANICAL DRAWINGS WHERE CONSTRUCTION OCCURS ABOVE SUSPENDED CEILING TO U/S OF SLAB.
16. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR TO RETURN UNUSED BASE BUILDING FIXTURES TO BUILDING LANDLORD.

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No.	REVISIONS	DATE

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CHRONOLOGY	DATE

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CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE
ELEVATOR RENOVATION REFLECTED CEILING PLANS & FINISH PLANS

SCALE	DRAWING NUMBER
As indicated	A2.2
SHEET SIZE: 24X36	
PROJECT NUMBER: 2024-081	

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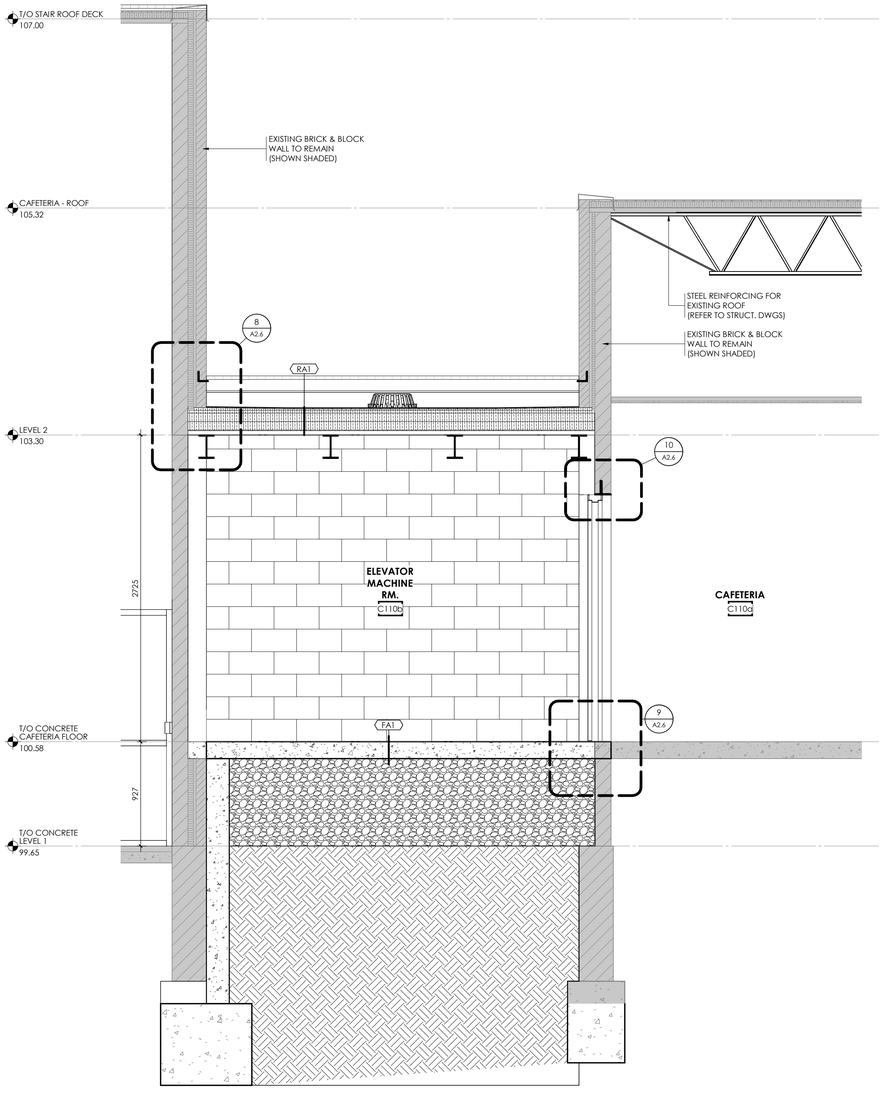
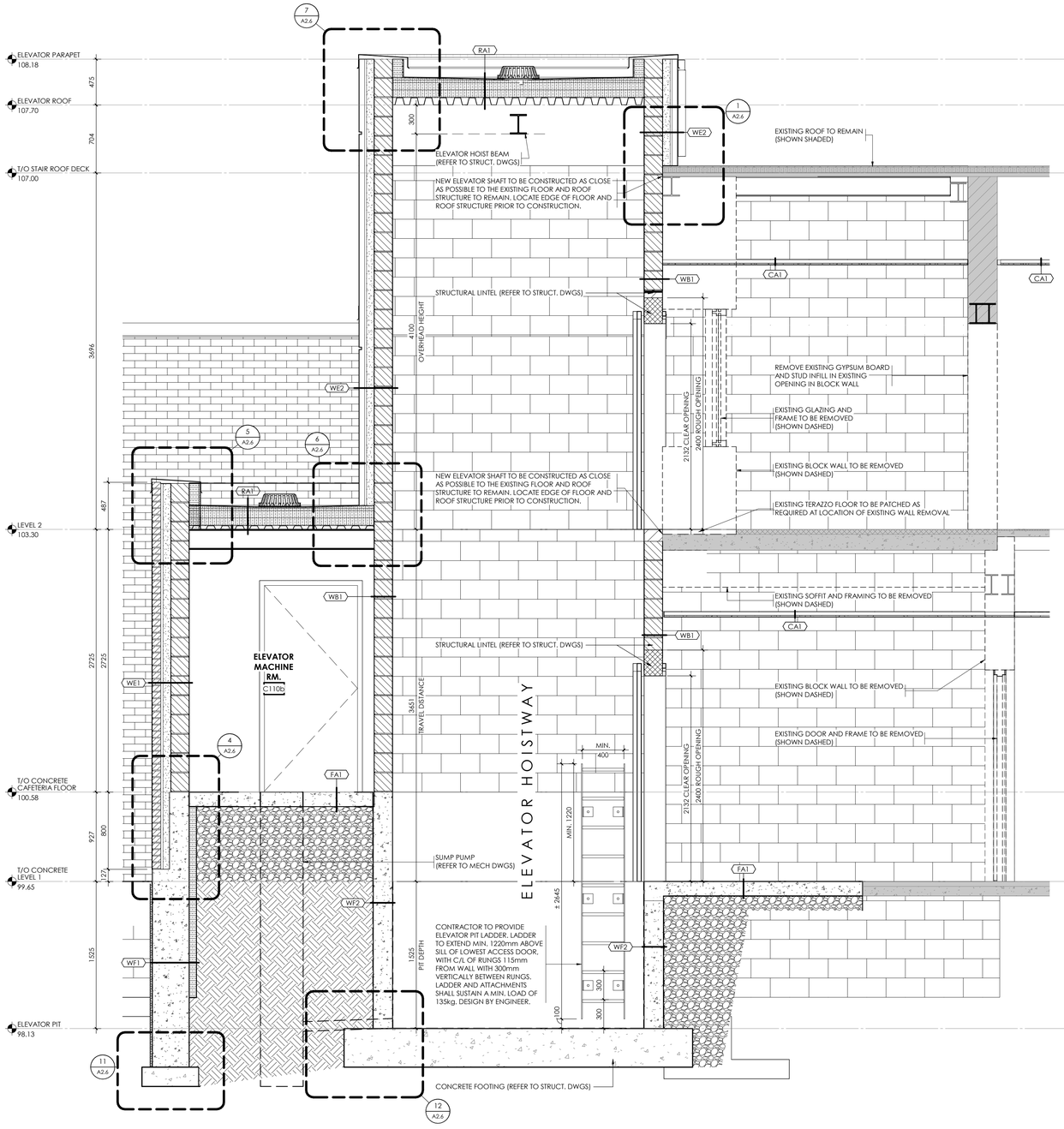


1 A2.3 ELEVATOR MACHINE ROOM SECTION 1 : 25



2 A2.3 ELEVATOR AND ELEVATOR MACHINE ROOM SECTION 1 : 25

ONTARIO ASSOCIATION OF ARCHITECTS
LISA G.P. BEDARD
LICENCE 7407

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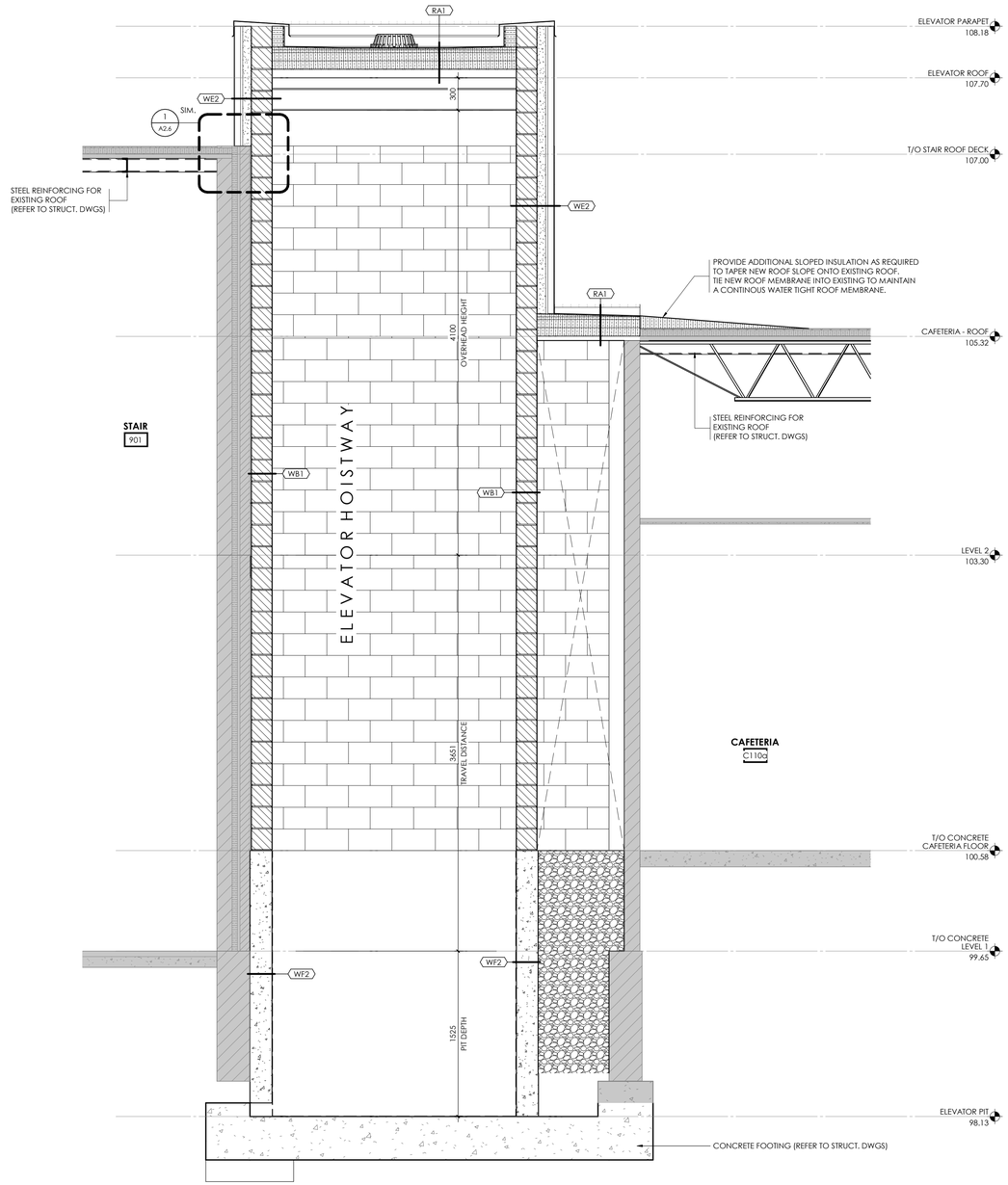
CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE
ELEVATOR SECTIONS

SCALE 1 : 25
SHEET SIZE 24X36
PROJECT NUMBER 2024-081
DRAWING NUMBER A2.3



1 / A2.4 ELEVATOR SECTION

1 : 25

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WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

ELEVATOR SECTIONS

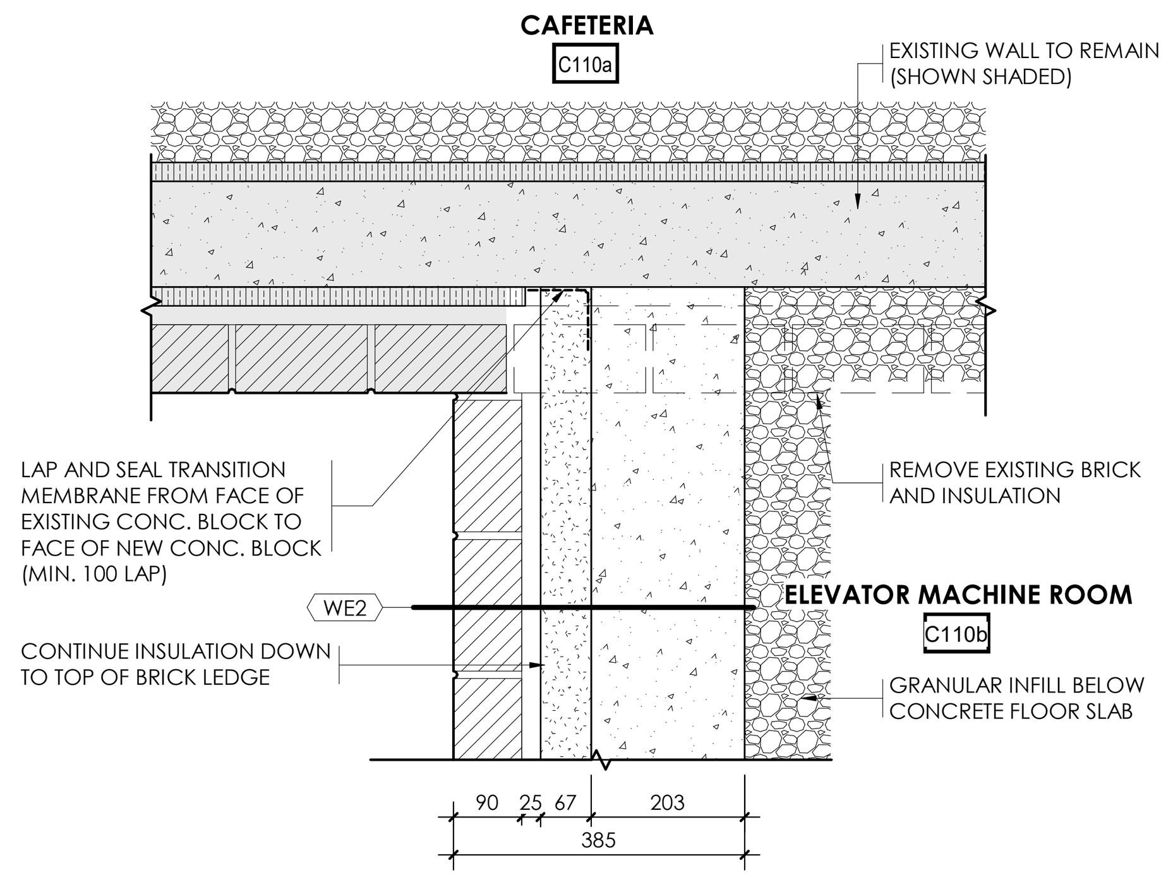
SCALE
1 : 25

SHEET SIZE
24X36

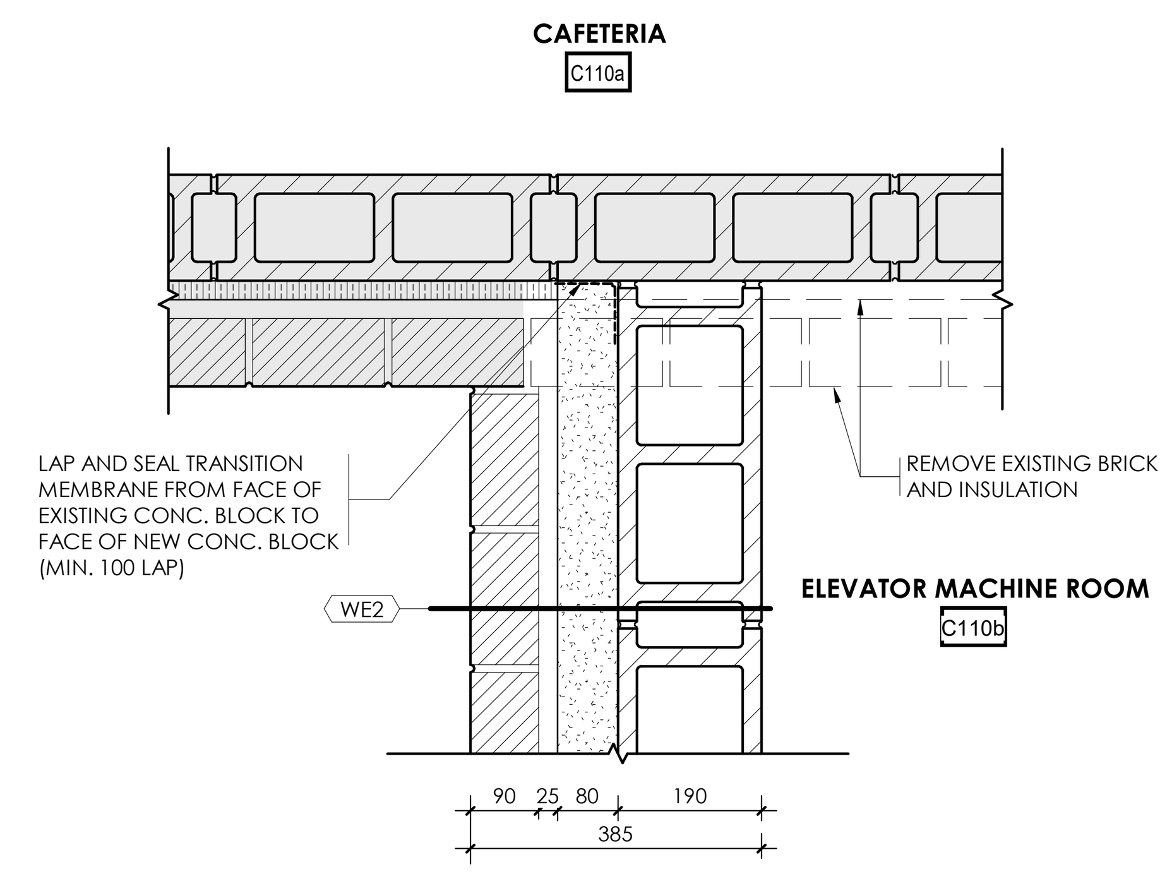
PROJECT NUMBER
2024-081

DRAWING NUMBER
A2.4

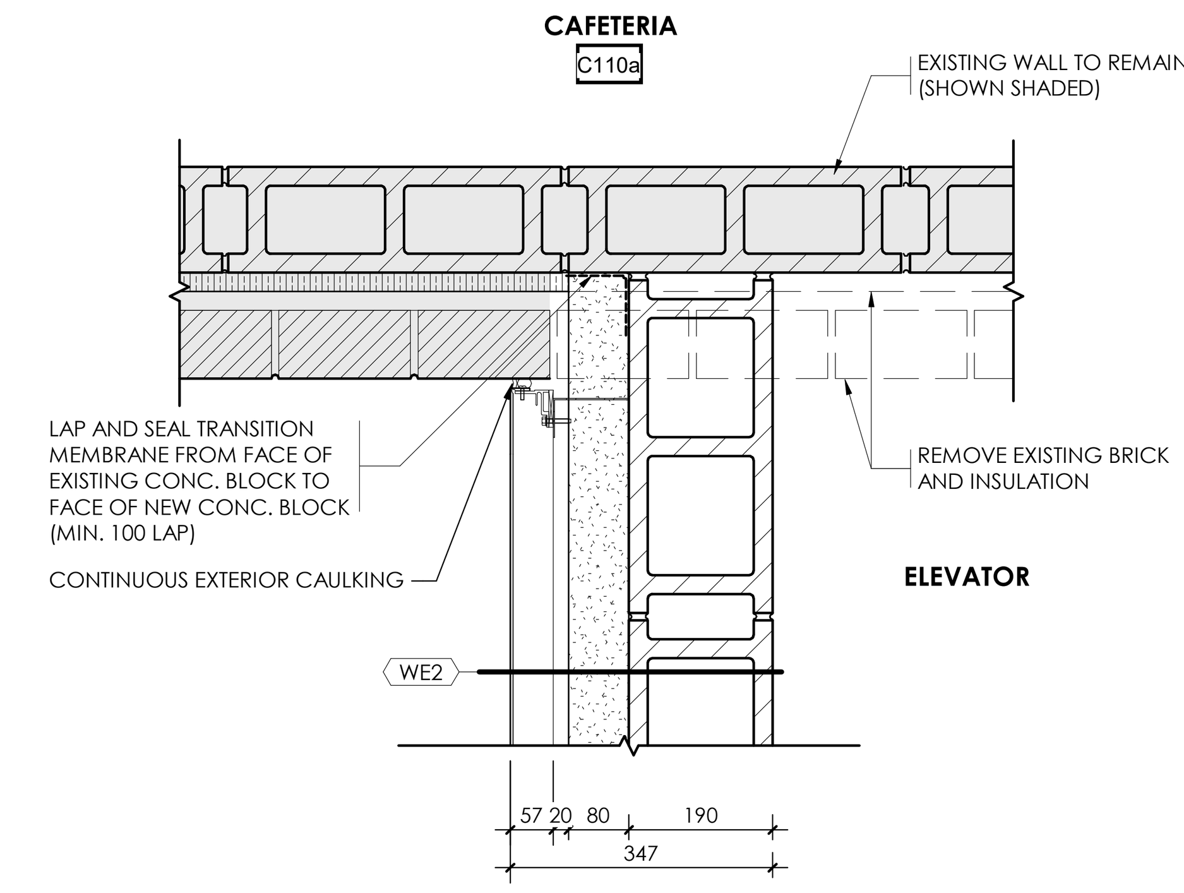
PROJECT NORTH



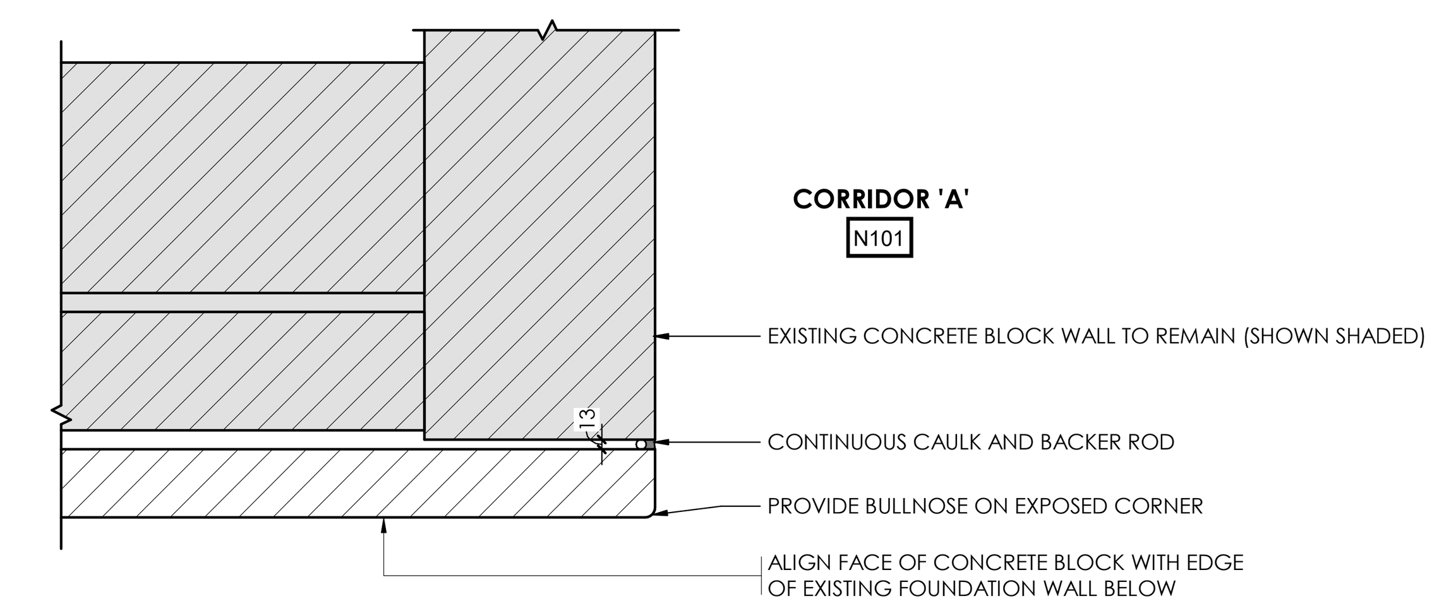
01 A2.5 EXTERIOR ELEV. MACH. RM. WALL CONNECTION DETAIL @ -600 B.F.F.
1 : 10



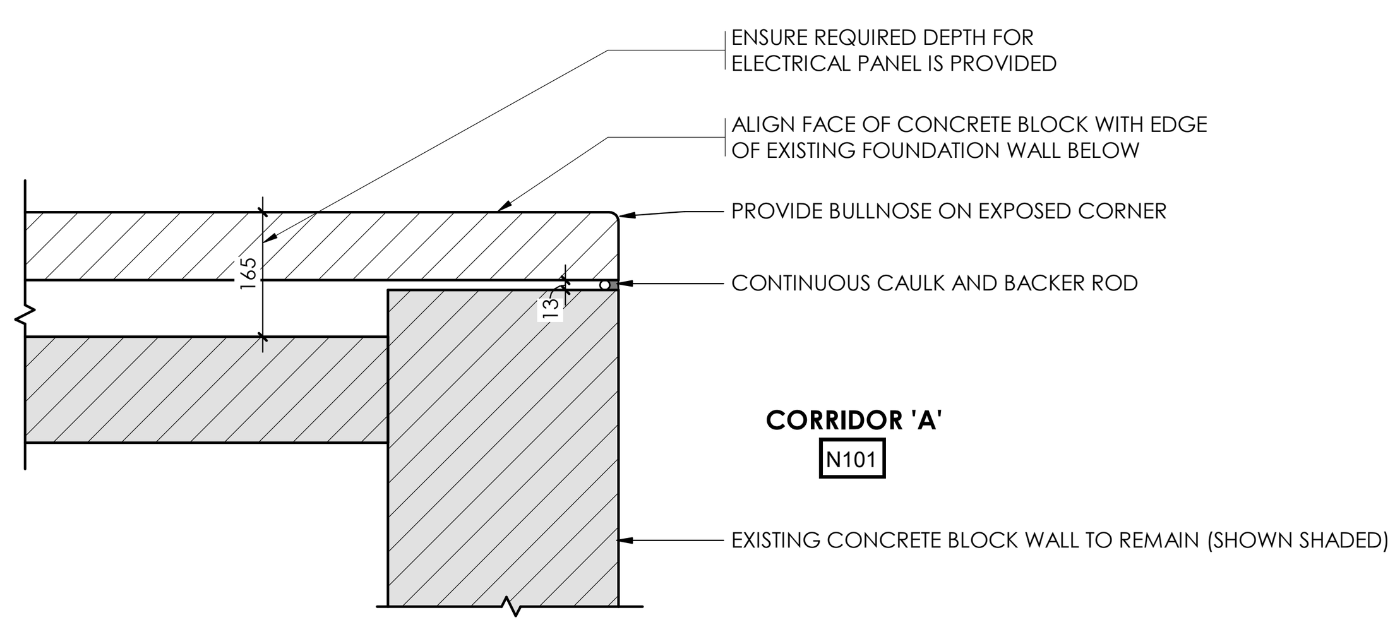
02 A2.5 EXTERIOR ELEV. MACH. RM. WALL CONNECTION DETAIL @ 1200 A.F.F.
1 : 10



03 A2.5 EXTERIOR ELEVATOR WALL CONNECTION DETAIL
1 : 10



04 A2.5 CONNECTION DETAIL ON NORTH SIDE OF ELEVATOR TO CORRIDOR 'A' N101
1 : 10



05 A2.5 CONNECTION DETAIL OF SOUTH SIDE OF ELEVATOR TO CORRIDOR 'A' N101
1 : 10

No.	REVISIONS	DATE

ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05
CHRONOLOGY	DATE

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

PLAN DETAILS

SCALE 1 : 10

SHEET SIZE 24X36

PROJECT NUMBER 2024-081

DRAWING NUMBER A2.5

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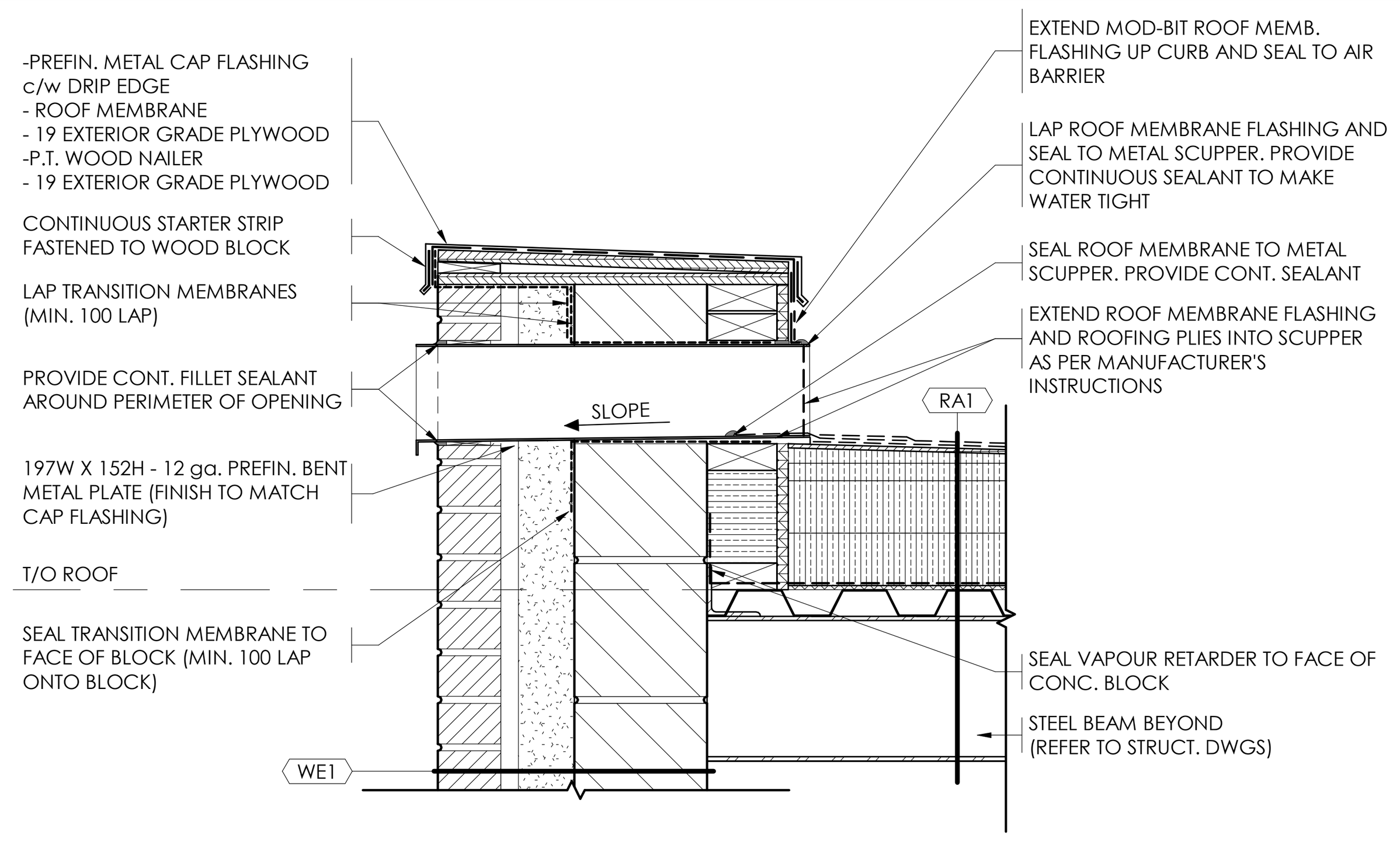
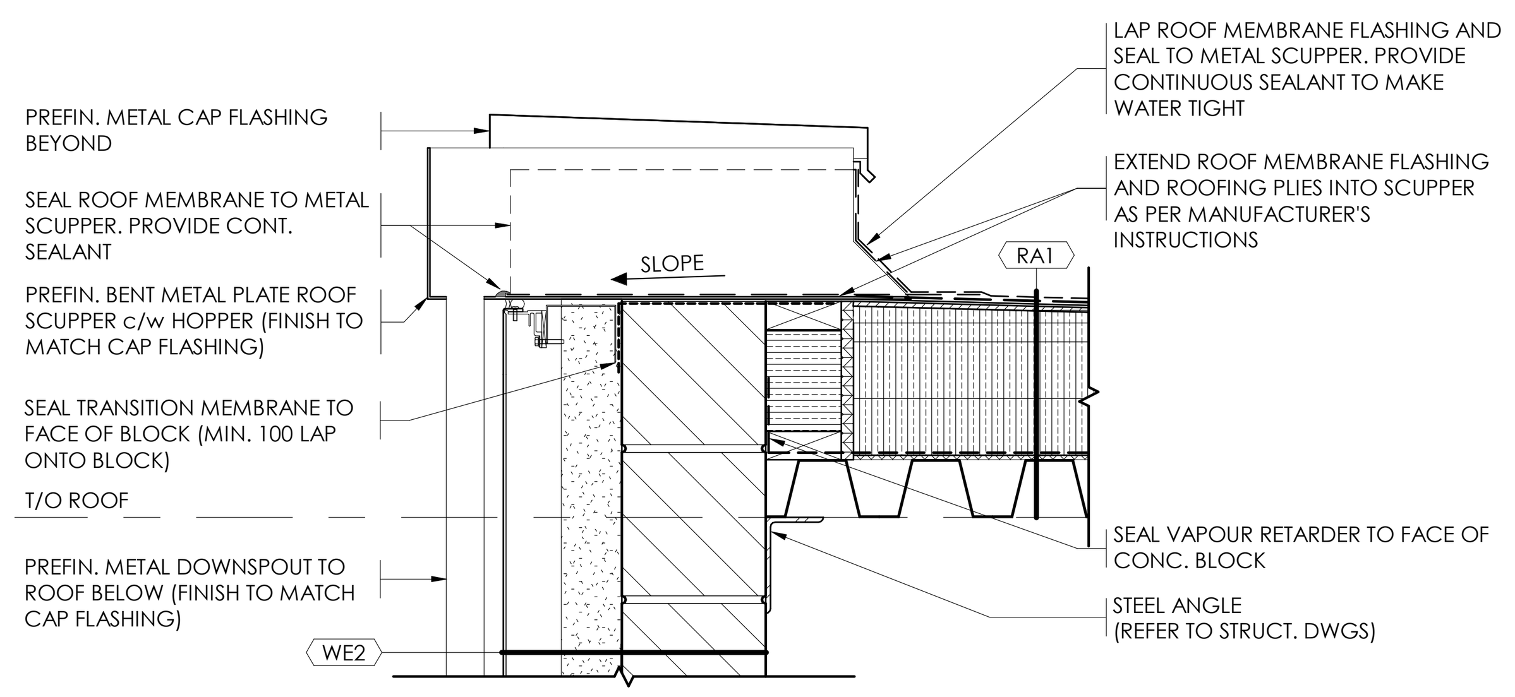
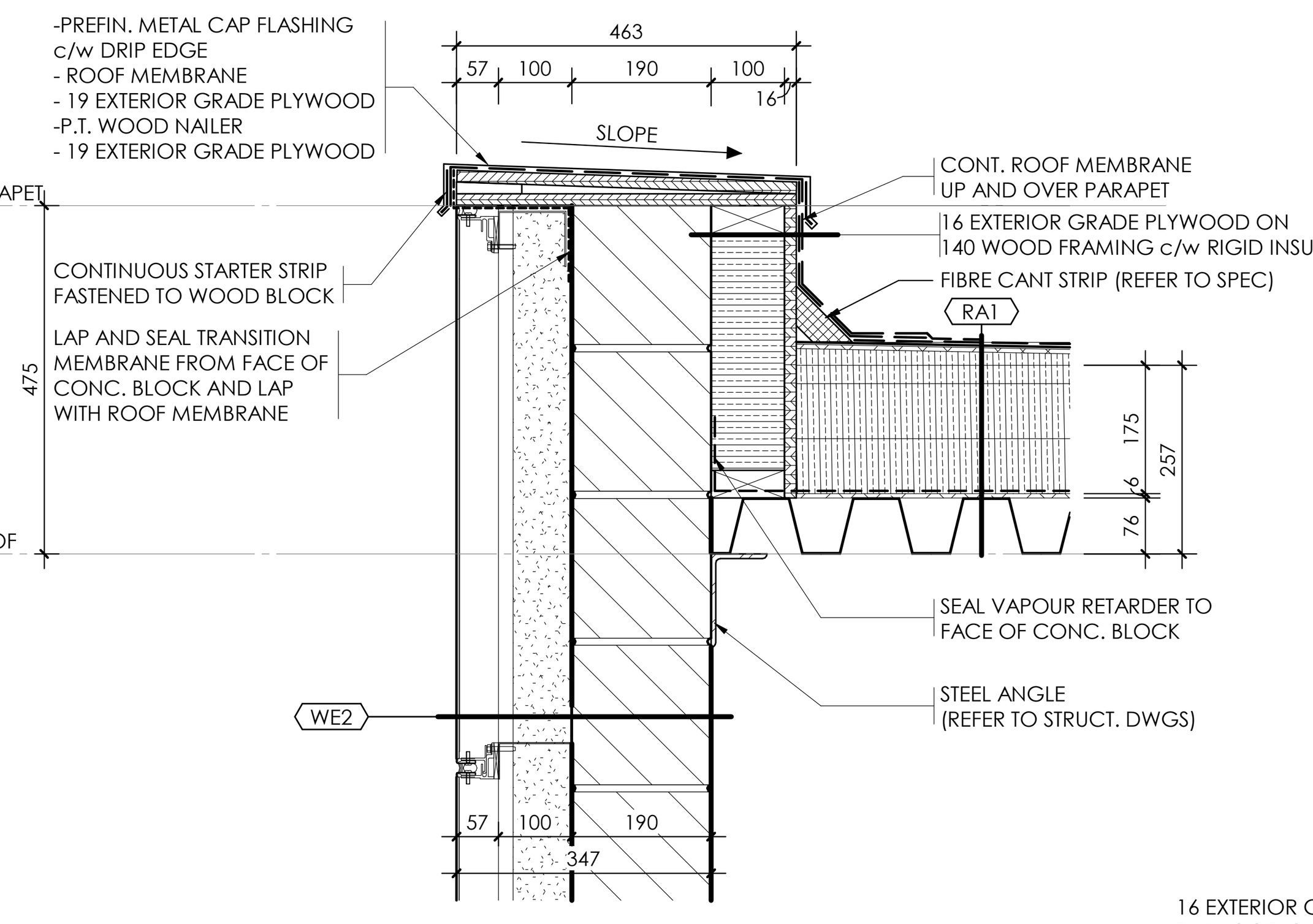


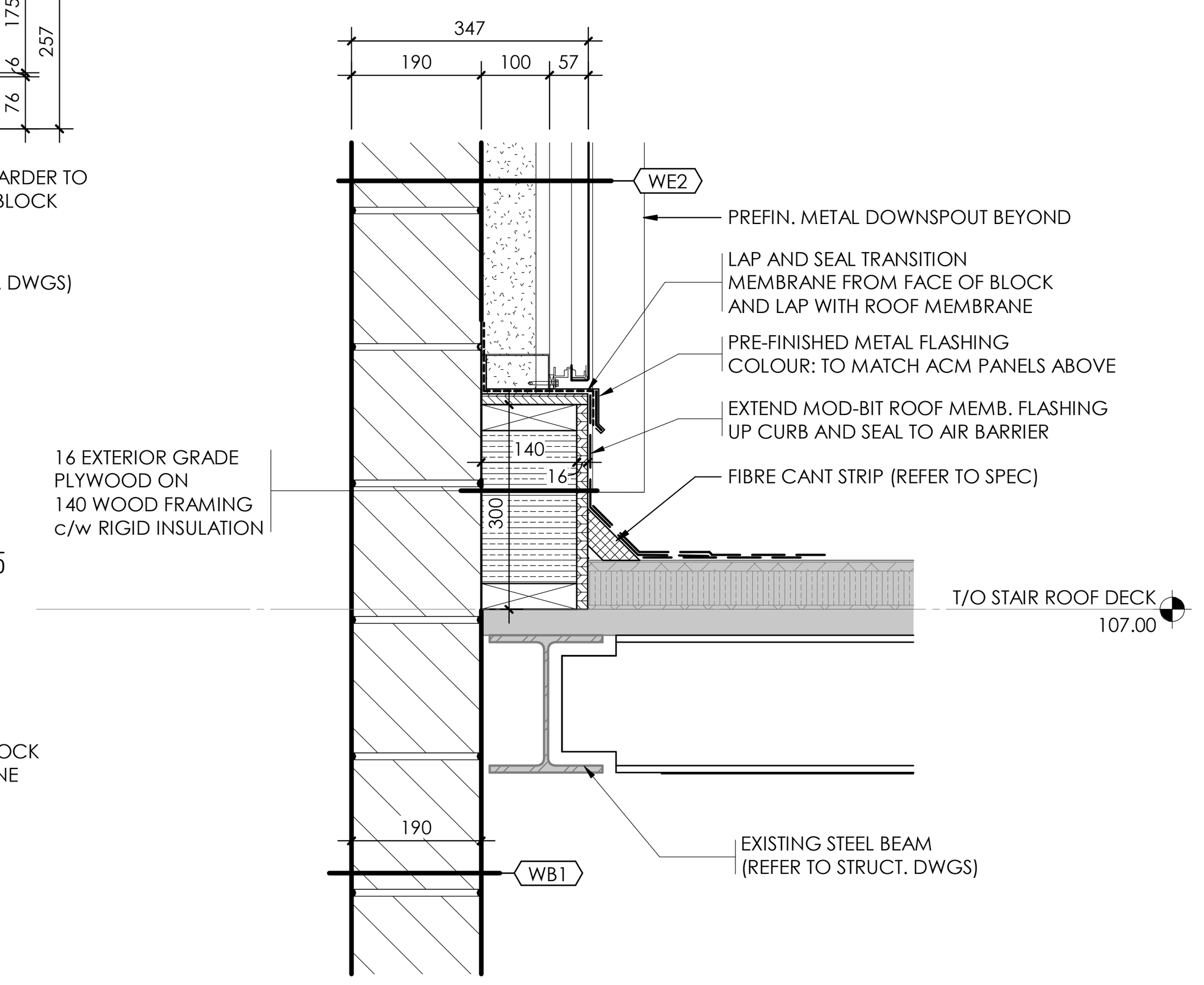
3 A2.6 ROOF SCUPPER @ BRICK WALL 1 : 10



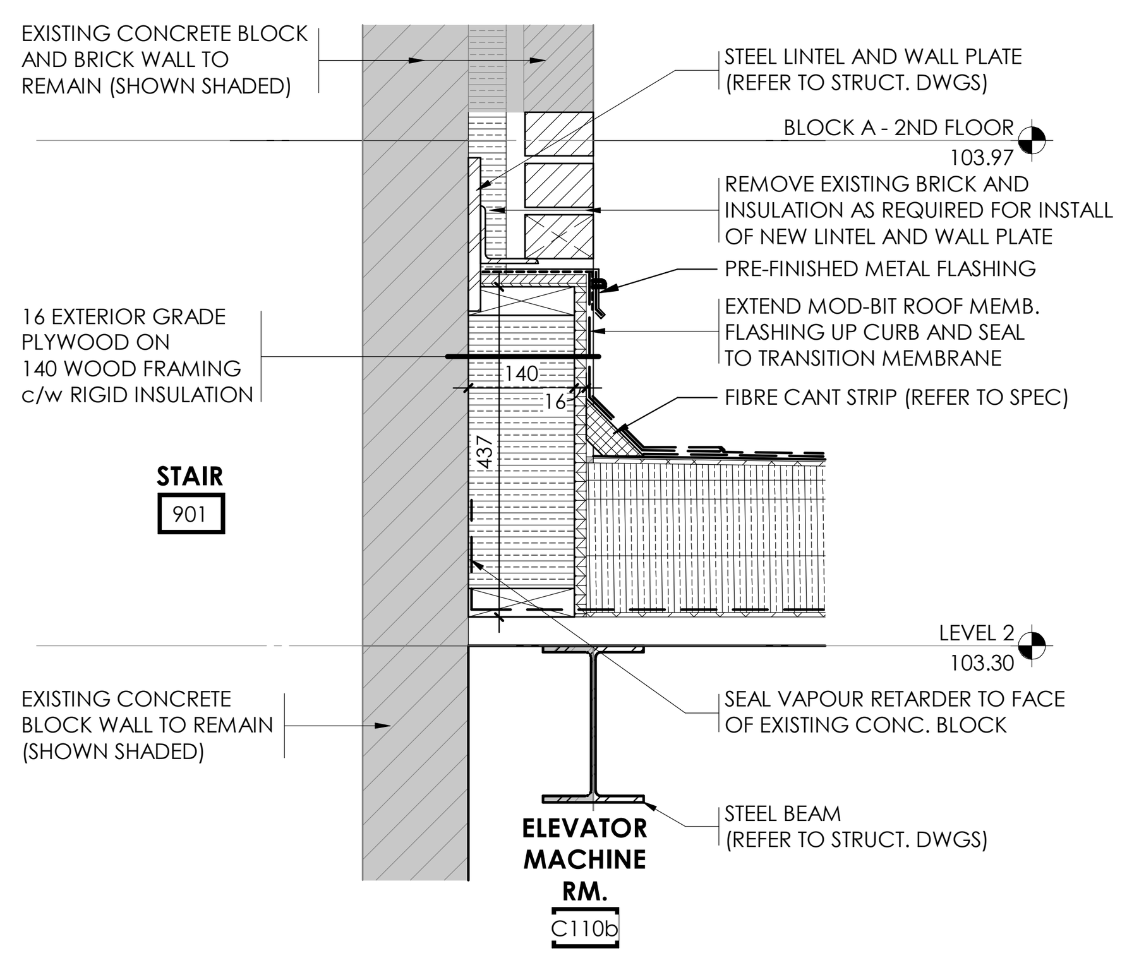
13 A2.6 ROOF SCUPPER @ ACM WALL 1 : 10



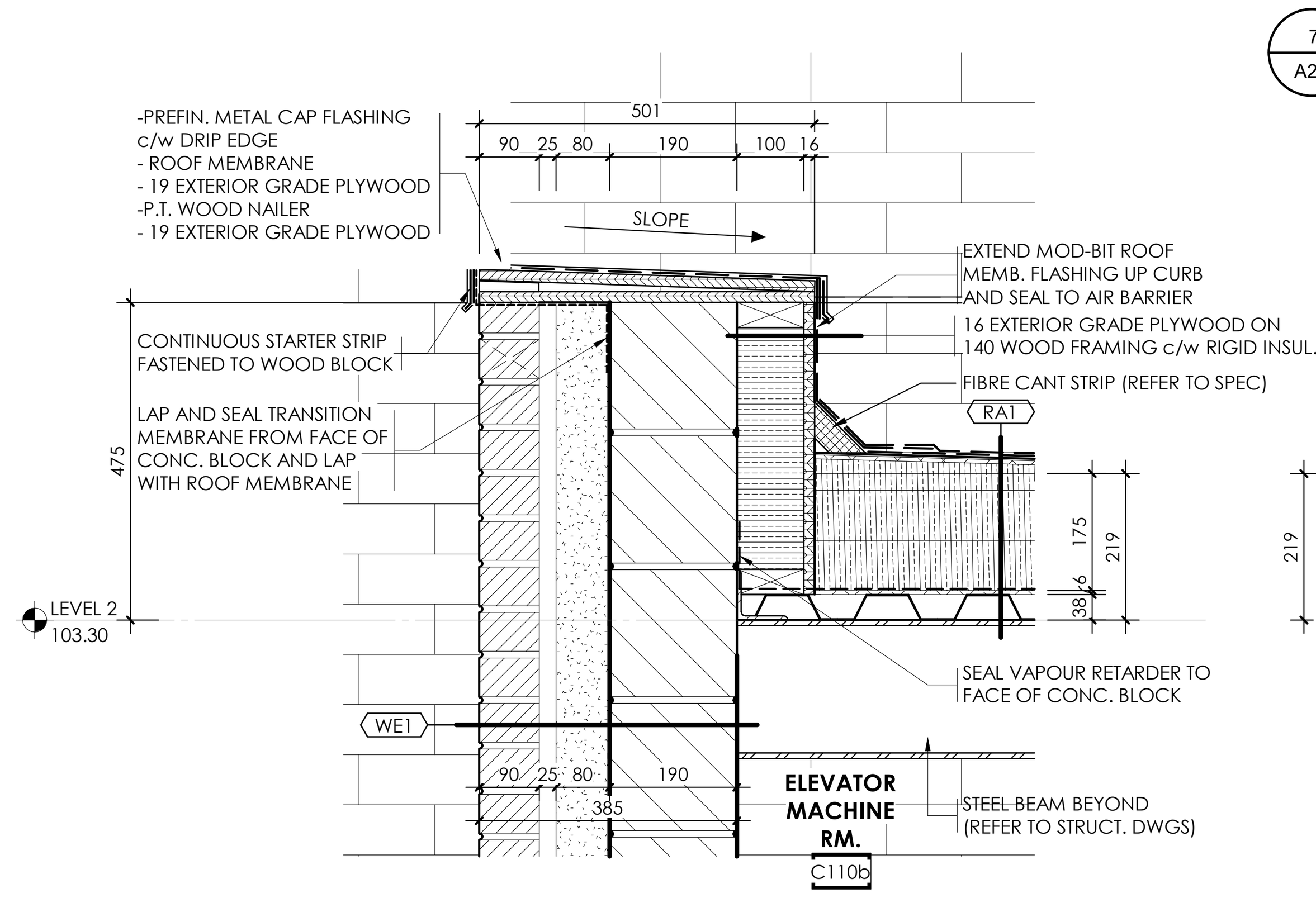
7 A2.6 ELEVATOR ROOF PARAPET DETAIL - TYPICAL 1 : 10



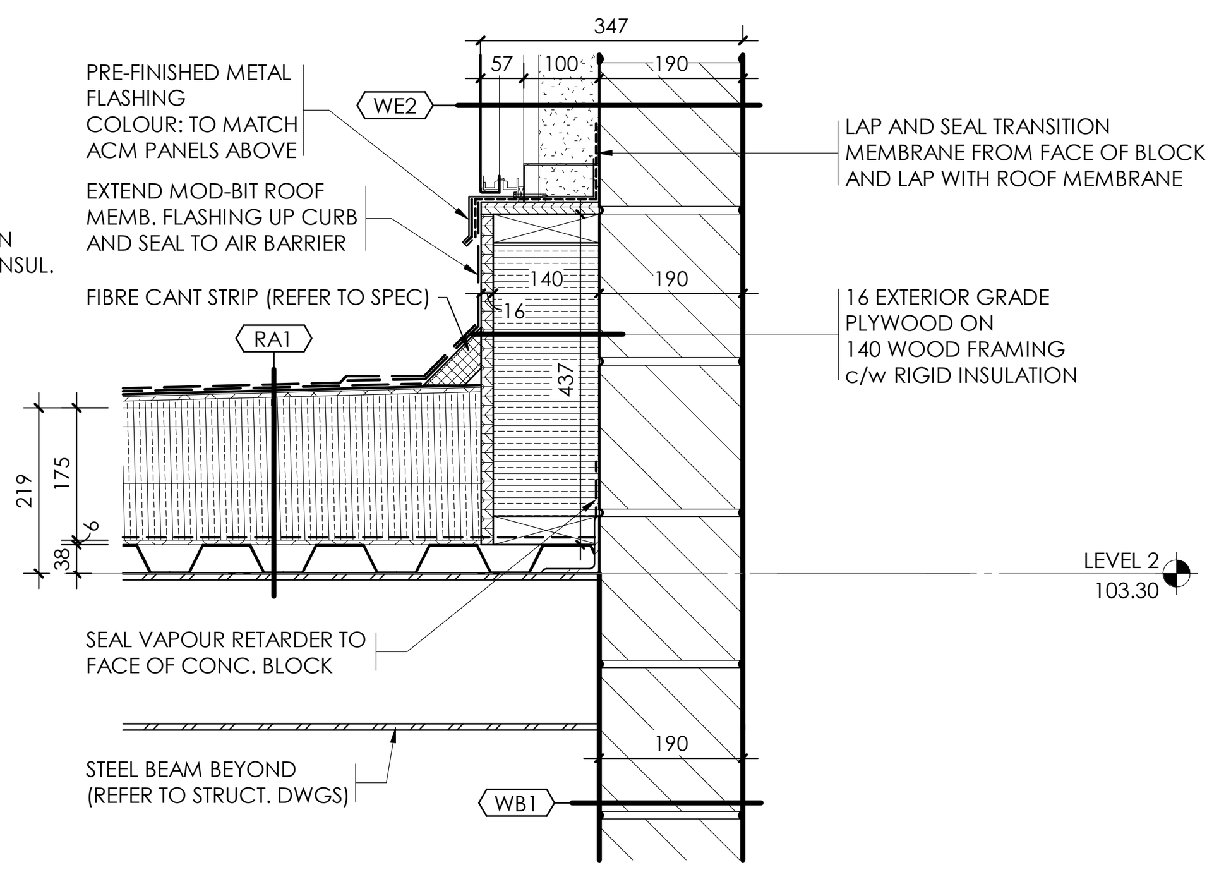
1 A2.6 ELEV. WALL & 2ND FLOOR ROOF CONNECTION 1 : 10



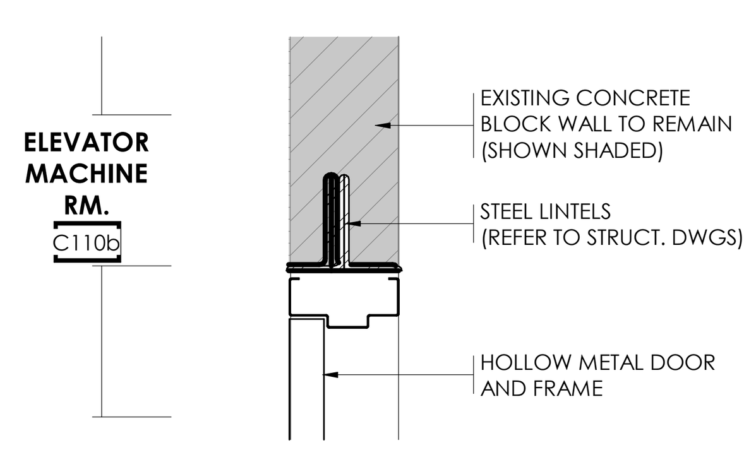
8 A2.6 ELEV. MACH. RM. ROOF CONNECTION DETAIL 1 : 10



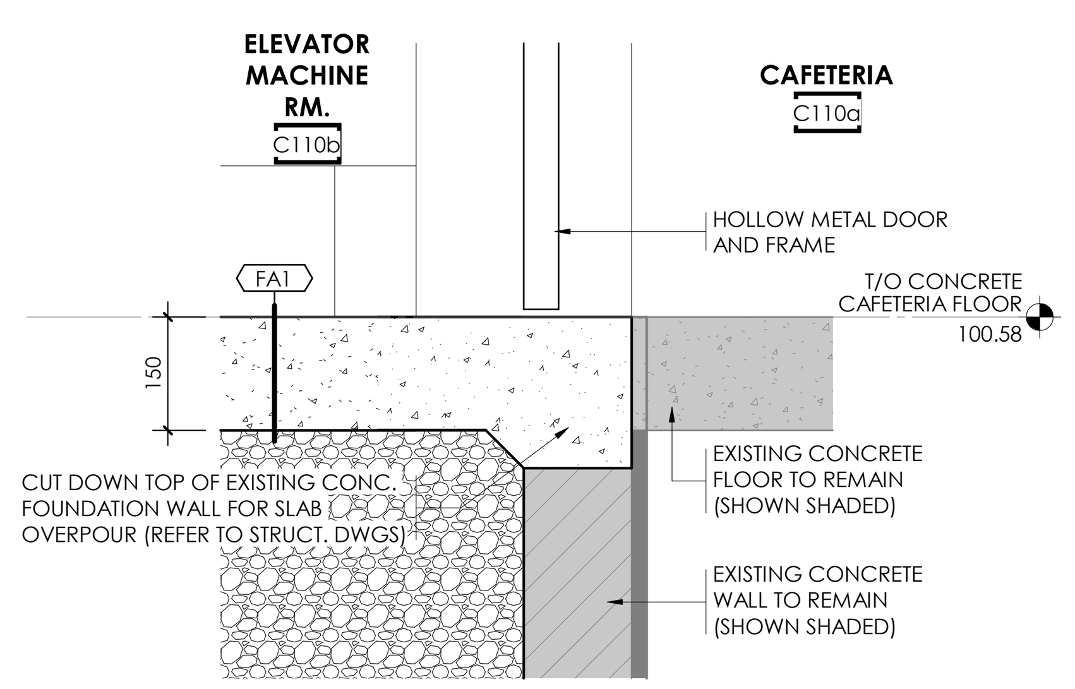
5 A2.6 ELEVATOR MACHINE RM. ROOF PARAPET DETAIL 1 : 10



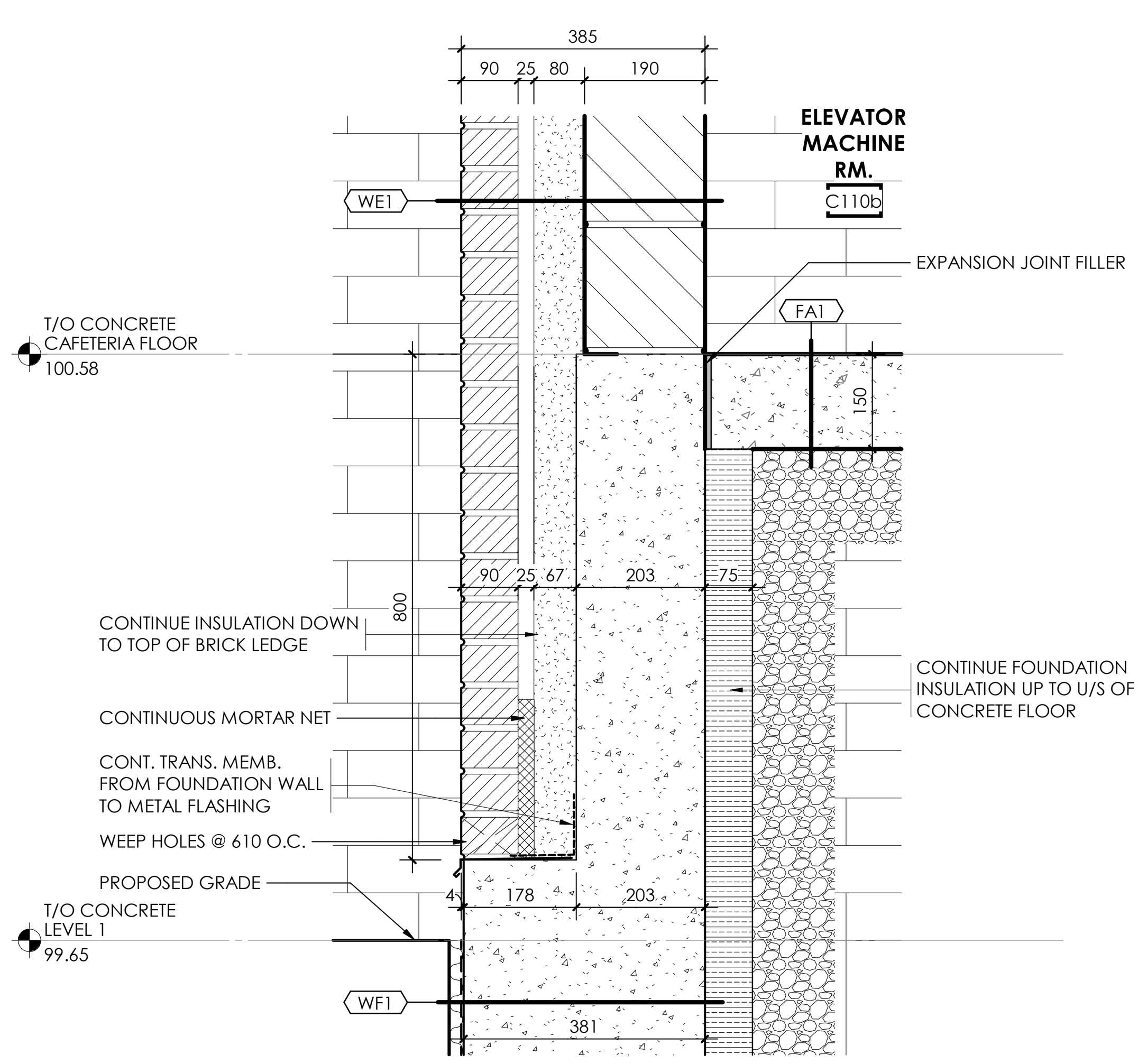
6 A2.6 ELEV. WALL & MACH. RM. ROOF CONNECTION DETAIL 1 : 10



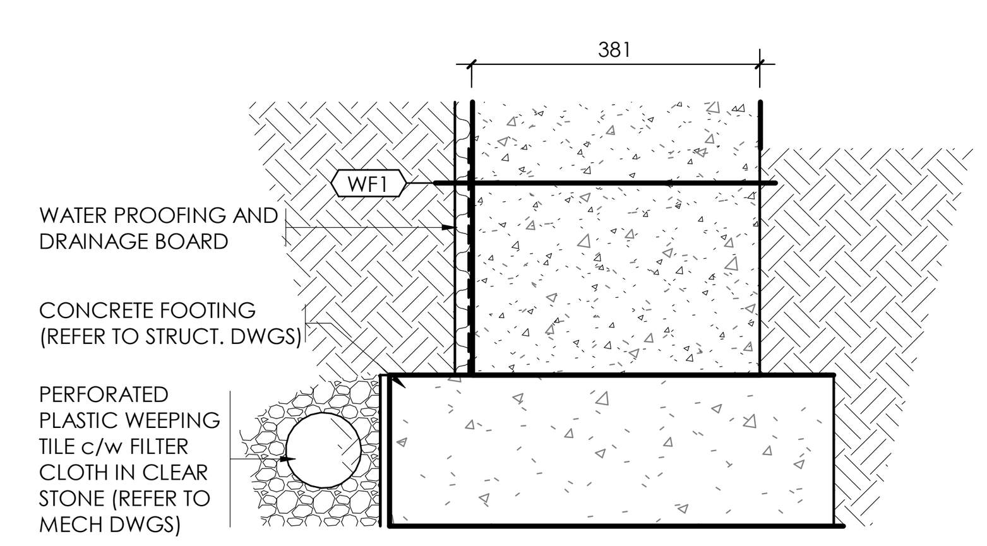
10 A2.6 ELEVATOR MACHINE ROOM DOOR HEAD 1 : 10



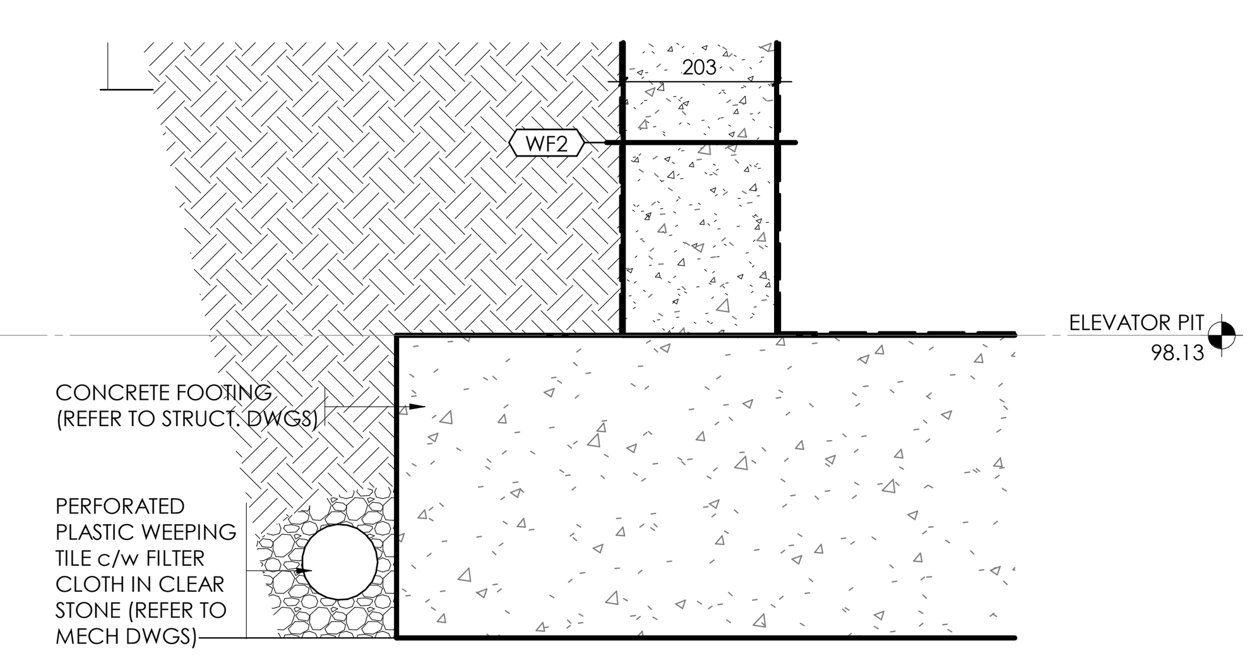
9 A2.6 ELEV. MACH. RM. FLOOR CONNECTION 1 : 10



4 A2.6 ELEV. MACH. RM. FLOOR AT EXTERIOR WALL 1 : 10

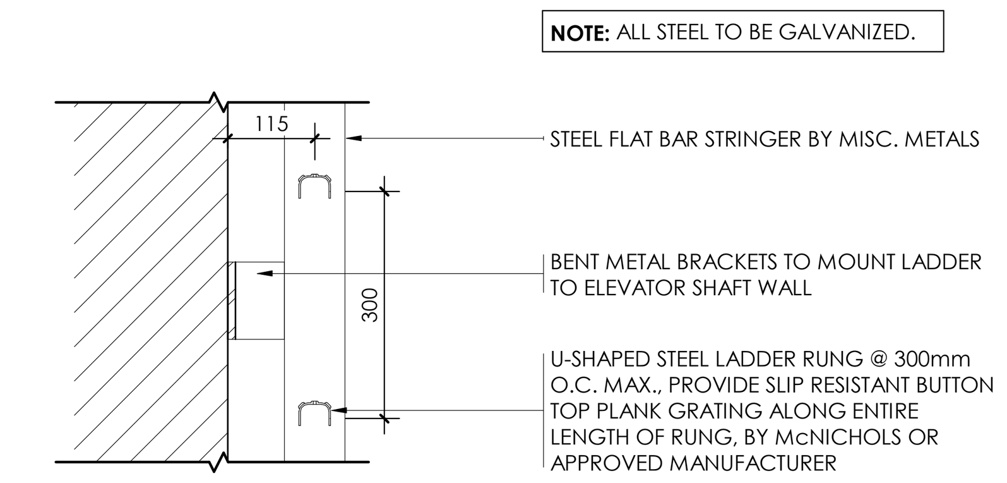


11 A2.6 FOUNDATION WALL AT FOOTING 1 : 10



12 A2.6 ELEVATOR PIT FOOTING 1 : 10

NOTE: ALL STEEL TO BE GALVANIZED.



2 A2.6 ELEVATOR PIT LADDER RUNG DETAIL - TYPICAL 1 : 10

ONTARIO ASSOCIATION OF ARCHITECTS — LICENCE 7407

No.	REVISIONS	DATE

CHRONOLOGY	DATE
ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05

aba architects inc.

CLIENT: WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

SECTION DETAILS

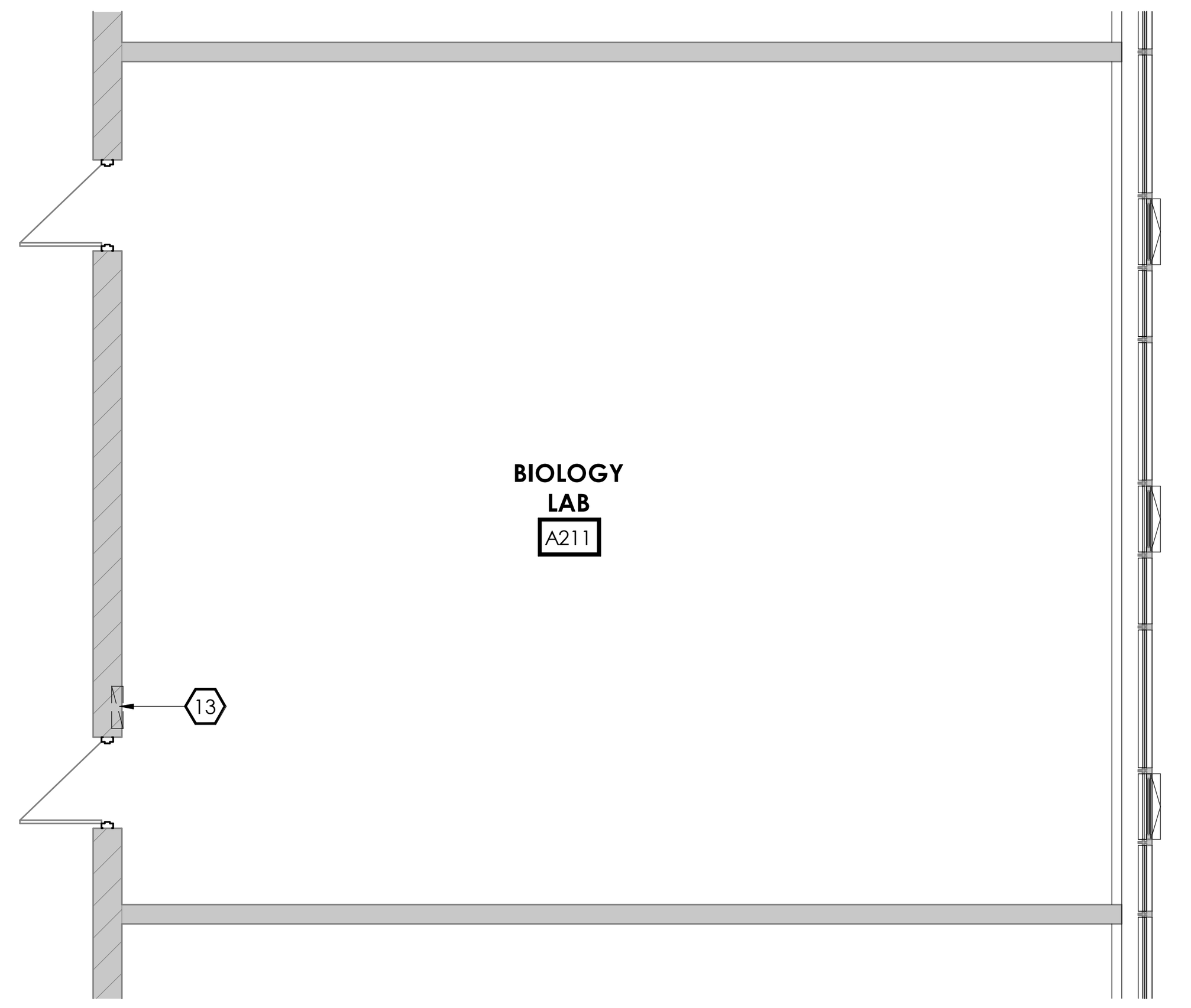
SCALE 1 : 10

SHEET SIZE 24X36

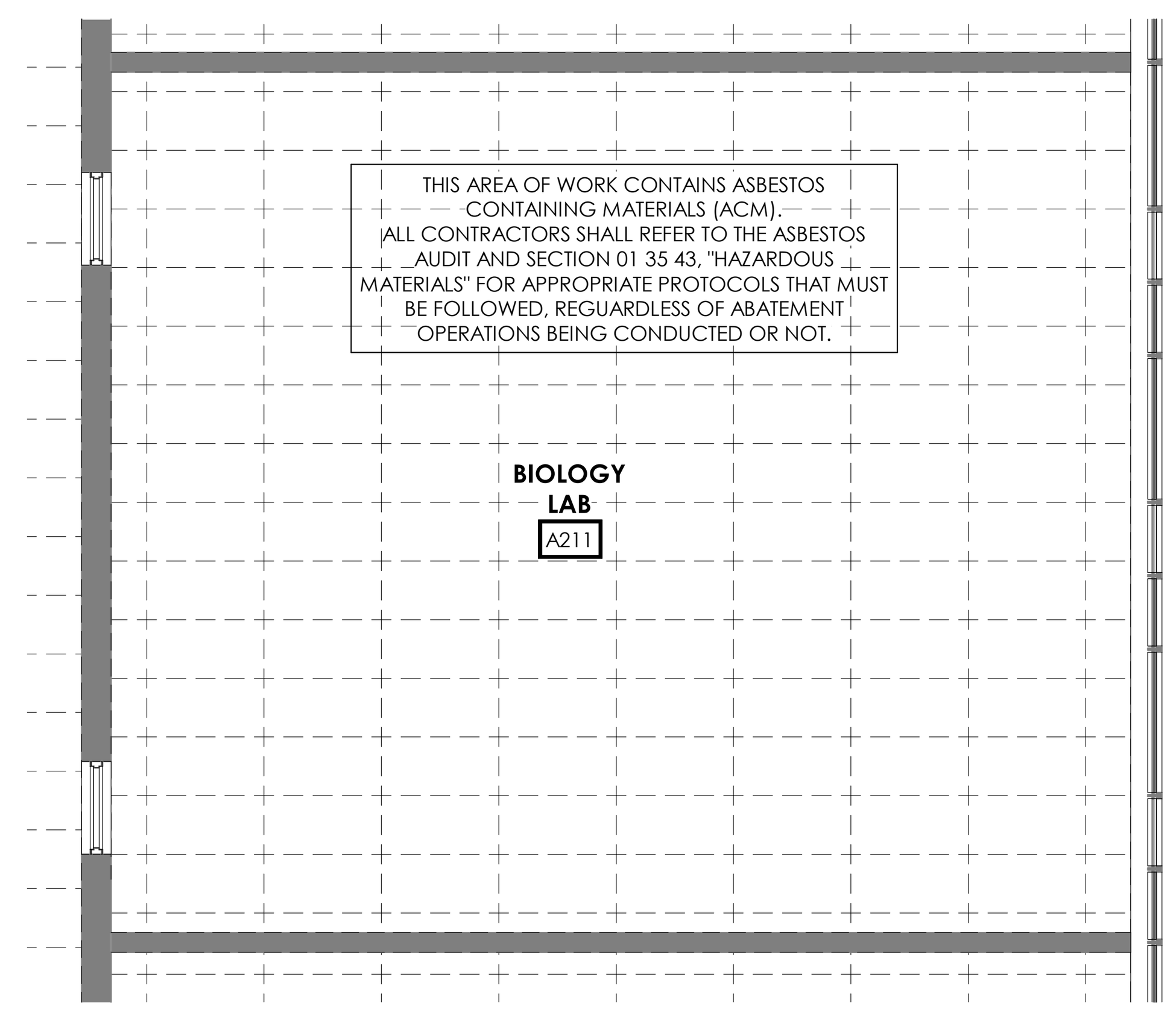
PROJECT NUMBER 2024-081

DRAWING NUMBER A2.6

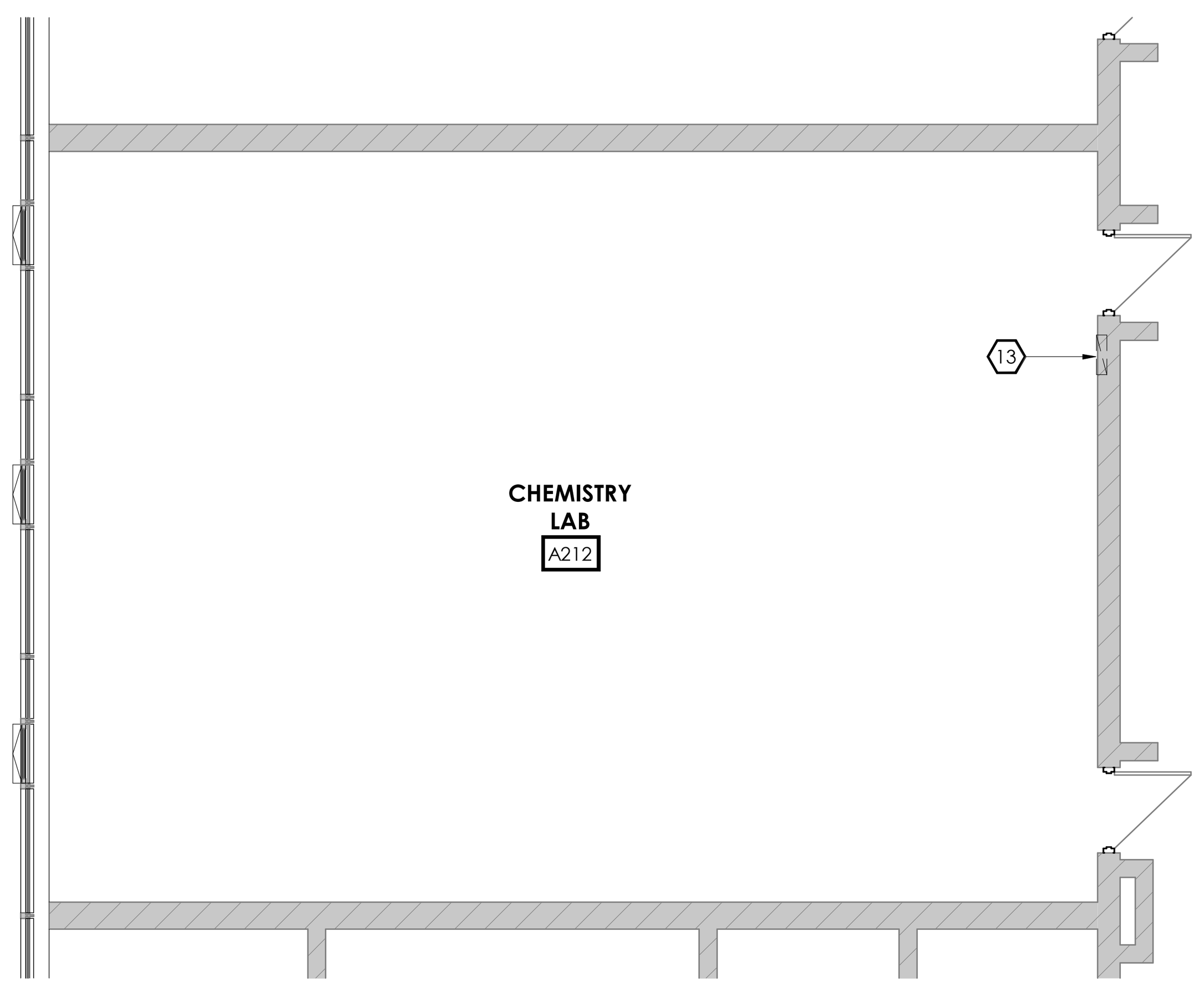
PROJECT NORTH



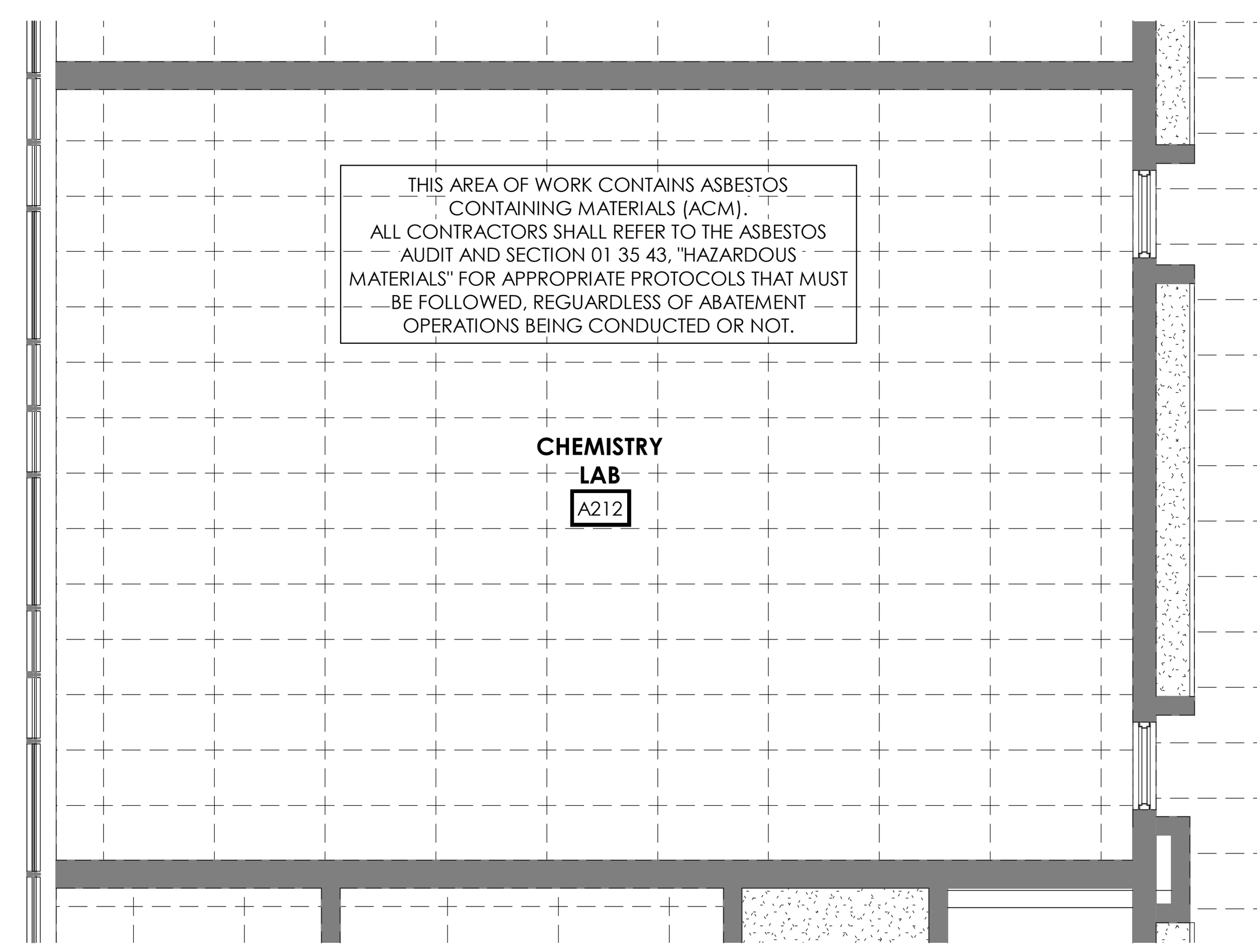
1 A3.1 BIOLOGY LAB DEMOLITION PLAN 1 : 75



2 A3.1 BIOLOGY LAB RCP DEMOLITION PLAN 1 : 75



3 A3.1 CHEMISTRY LAB DEMOLITION PLAN 1 : 75



4 A3.1 CHEMISTRY LAB RCP DEMOLITION PLAN 1 : 75

DEMOLITION PLAN LEGEND

- EXISTING WALL TO REMAIN (SHOWN SHADED)
- EXISTING WALL TO BE DEMOLISHED
- EXISTING DOOR AND FRAME TO REMAIN
- EXISTING DOOR AND FRAME TO BE DEMOLISHED
- EXISTING WINDOW AND FRAME TO REMAIN
- EXISTING WINDOW AND FRAME TO BE DEMOLISHED
- DENOTES EXISTING BUILDING
- DENOTES AREA N.I.C. UNLESS NOTED OTHERWISE

DEMOLITION KEYNOTES

1. DEMOLISH EXISTING WALLS INDICATED IN THEIR ENTIRETY AND DISPOSE OF FROM SITE. MAKE GOOD AFFECTED WALLS, CEILINGS AND FLOORS THAT ARE TO REMAIN.
2. DISMANTLE/DEMOLISH EXISTING DOORS, FRAMES AND ALL ASSOCIATED HARDWARE INDICATED AND DISPOSE OF FROM SITE.
3. REMOVE EXISTING FLOORING. PATCH AND GRIND SMOOTH EXISTING CONCRETE SUBFLOOR AND MAKE READY TO RECEIVE NEW FINISHES. CARE IS TO BE TAKEN TO NOT DAMAGE TERRAZZO TILE AT DOORWAY FLOORING TRANSITIONS.
4. REMOVE ALL EXISTING WHITEBOARDS,TACKBOARDS AND CHALKBOARDS FROM WALL AND DISPOSE OF FROM SITE. PATCH AND MAKE GOOD WALLS TO REMAIN THAT ARE AFFECTED BY DEMOLITION.
5. REMOVE ALL EXISTING WALL MOUNTED EQUIPMENT. PATCH AND MAKE GOOD WALLS AFFECTED BY DEMOLITION. STORE ANY EQUIPMENT SCHEDULED FOR REUSE OR TO BE TURNED OVER TO THE OWNER IN A SAFE, DRY PLACE. REFER TO MECH. AND ELEC. DWGS FOR ANY EQUIPMENT INTEGRAL TO THOSE DISCIPLINES.
6. REMOVE EXISTING MILLWORK. PATCH AND MAKE GOOD FLOORS/WALLS AFFECTED BY DEMOLITION THAT ARE TO REMAIN, AND PREPARE FOR NEW FINISHES.
7. REMOVE EXISTING PLUMBING FIXTURES AND DISPOSE OF FROM SITE. CAP ANY PLUMBING SERVICES NOT TO BE REUSED. REFER TO MECH. DWGS.
8. DEMOLISH KNEE WALL IN IT'S ENTIRETY AND DISPOSE OF FROM SITE. MAKE GOOD AFFECTED WALLS, CEILINGS AND FLOORS THAT ARE TO REMAIN.
9. REMOVE EXISTING RAD COVERS IN THEIR ENTIRETY AND REWORK ELEMENT TO SUIT NEW PARTITIONS. REFER TO MECHANICAL DRAWINGS. STORE RAD COVERS IN A SAFE, DRY PLACE FOR FUTURE RE-INSTALLATION.
10. REMOVE OPERABLE WINDOW PANEL AND PREP FOR INSTALLATION OF FIXED GLAZING PANEL.
11. REMOVE EXISTING WOOD STAGE IN IT'S ENTIRETY AND DISPOSE OF FROM SITE. PATCH AND MAKE GOOD FLOORS/WALLS TO REMAIN THAT ARE AFFECTED BY DEMOLITION.
12. RELOCATE DATA HUB AND DEMOLISH EXISTING DATA HUB MILLWORK IN IT'S ENTIRETY. REFER TO ELEC. DWGS.
13. EXISTING ELECTRICAL PANEL TO BE REMOVED (REFER TO ELEC DWGS)
14. DEMOLISH EXISTING WINDOWS IN THEIR ENTIRETY AND DISPOSE OF FROM SITE.

DEMOLITION NOTES

1. DISPOSE OF REMOVED ITEMS IN A LAWFUL MANNER IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE MUNICIPALITY HAVING JURISDICTION.
2. ALL EXISTING WALLS AND ITEMS TO BE REMOVED ARE SHOWN DASHED.
3. ALL EXISTING WALLS TO REMAIN ARE SHOWN SHADED.
4. OWNER TO HAVE THE RIGHT TO FIRST REFUSAL OF ALL ITEMS REMOVED. ITEMS TO BE STORED IN A DRY AND SECURE LOCATION. ALL REMOVED ITEMS SHALL BE DISPOSED OF AS PER NOTE No. 1.
5. COORDINATE WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS ALL RELATED COMPONENTS OF DEMOLITION, MODIFICATION AND NEW INSTALLATION.
6. REMOVE, RELOCATE AND/OR RE-ROUTE ALL MECHANICAL AND ELECTRICAL SERVICES AND CONNECTIONS AS REQUIRED TO ACCOMMODATE DEMOLITION OR AS NECESSARY AS A RESULT OF DEMOLITION.
7. SUPPLY AND INSTALL ALL NECESSARY SHORING AND/OR BRACING AS REQUIRED FOR TEMPORARY SUPPORT OF EXISTING STRUCTURE. COORDINATE WITH A STRUCTURAL ENGINEER AS REQUIRED.
8. ENSURE ALL FLOOR AREAS ARE FREE OF HAZARDS AFTER DEMOLITION IS COMPLETE. LEVEL, PATCH, FILL AND GRIND FLOOR AS REQUIRED TO ACHEIVE A SMOOTH SANITARY SURFACE READY TO RECEIVE FLOOR FINISH.
9. CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO EXISTING ABUTTING WALLS, SURFACES AND FINISHES TO REMAIN.
10. PROTECT SALVAGED AND/OR ITEMS TO REMAIN FROM DAMAGE. PROVIDE ADEQUATE COVERINGS AND/OR STORAGE AS REQUIRED.
11. EXISTING EXIT SIGNAGE, FIRE ALARM SYSTEM AND EMERGENCY LIGHTING TO BE LEFT IN OPERATION DURING DEMOLITION AND DURATION OF CONTRACT OR UNTIL NEW INSTALLED.
12. COORDINATE WITH OWNER AREA(S) FOR WASTE BIN LOCATION. SUPPLY AND MAINTAIN PROTECTIVE MEASURES TO ENSURE THE PUBLIC'S SAFETY.
13. COORDINATE WITH THE OWNER ANY STAGING OF WORK AND/OR DISRUPTIONS TO PARKING AND TRAFFIC FLOWS.
14. SHOULD MATERIAL RESEMBLING SPRAY OR TROWEL APPLIED ASBESTOS OR OTHER TOXIC OR HAZARDOUS MATERIALS BE ENCOUNTERED IN THE COARSE OF DEMOLITION, STOP WORK, TAKE PREVENTATIVE MEASURES AND NOTIFY ARCHITECT AND/OR OWNER IMMEDIATELY. DO NOT PROCEED UNTIL WRITTEN INSTRUCTIONS HAVE BEEN RECEIVED.
15. CONTRACTOR TO EXAMINE EXISTING CONDITIONS ON SITE AFFECTING DIVISION OF WORK. NO CLAIM FOR PAYMENT SHALL BE MADE FOR EXTRA WORK MADE NECESSARY BY CIRCUMSTANCES ENCOUNTERED DUE TO CONDITIONS WHICH WERE VISIBLE UPON, OR REASONABLY INFERABLE, FROM AN EXAMINATION OF THE SITE PRIOR TO SUBMISSION OF THE BID. THIS INCLUDES BUT IS NOT LIMITED TO THE SERVICES ABOVE THE CEILING.
16. CONTRACTOR MUST OBTAIN DEMOLITION PERMITS REQUIRED BY RELEVANT AUTHORITIES BEFORE THE COMMENCEMENT OF THE WORK.
17. DURING DEMOLITION, CONTRACTOR TO PREVENT DUST, DIRT AND DEBRIS FROM RISING OR MIGRATING TO OTHER AREAS BY HANGING 0.5mm POLY SHEETS BETWEEN AREAS OF CONSTRUCTION. PROTECT EXISTING HVAC UNITS FROM CONTAMINATION AND REPLACE FILTERS UPON COMPLETION OF DEMOLITION.
18. CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN THE INTEGRITY OF THE BUILDING CORE.
19. DEMOLITION OCCURING BEYOND THE SCOPE IDENTIFIED IS TO BE REPAIRED OR REPLACED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
20. CONTRACTOR TO PATCH CEILING, ADJACENT WALLS AND FLOOR SURFACES AS REQUIRED AFTER DEMOLITION. ALL STRIPPED SURFACES TO BE LEFT IN SMOOTH CONDITION SUITABLE TO RECEIVE NEW FINISHES.
21. ELECTRICAL SERVICES TO BE REMOVED ARE TO BE SAFELY CAPPED, COMPLIANT WITH THE APPLICABLE CODES.
22. ALL CUTTING AND PATCHING OF EXISTING FINISHES WILL BE DONE TO THE HIGHEST STANDARD.
23. GENERAL CONTRACTOR TO ENSURE ALL FLOOR AREAS ARE FREE OF HAZARDS AFTER DEMOLITION AND DURING CONSTRUCTION.
24. SAWCUT AND REMOVE THE EXISTING SLAB ON GRADE TO FACILITATE ANY BURIED MECHANICAL AND/OR ELECTRICAL ITEMS. PATCH AND MAKE GOOD SLAB ON GRADE AFTER NEW SERVICES ARE IN PLACE. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS.
25. DISCONNECT ALL EXISTING EXTERIOR SIGNAGE TO BE REMOVED AND PROVIDE FINAL CONNECTIONS FOR NEW AND/OR REPLACED SIGNAGE. COORDINATE WITH ELECTRICAL DRAWINGS.
26. CONTRACTOR TO REFER TO GENERAL CONDITIONS AS OUTLINED IN SPECIFICATIONS FOR NEW CONSTRUCTION.

ONTARIO ASSOCIATION OF ARCHITECTS
JOSHUA O.P. BEDARD
LICENCE
7407

No.	REVISIONS	DATE

CHRONOLOGY	DATE
ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05

aba architects inc.
101 Randall Drive, Unit B, Waterloo ON, TEL 519 884 2711 www.abarchitect.ca

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE
LEVEL 2 - SCIENCE ROOM DEMOLITION PLAN

SCALE	As indicated
SHEET SIZE	24X36
PROJECT NUMBER	2024-081
DRAWING NUMBER	A3.1

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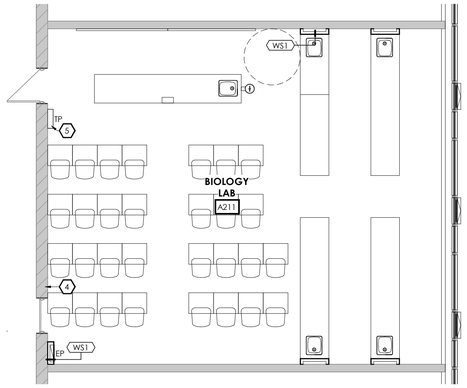
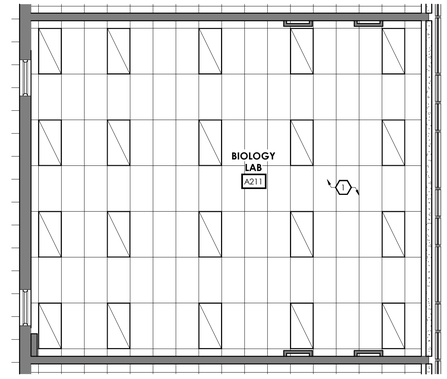


1 / A3.2 BIOLOGY LAB FLOOR PLAN

1 : 75



2 / A3.2 BIOLOGY LAB REFLECTED CEILING PLAN

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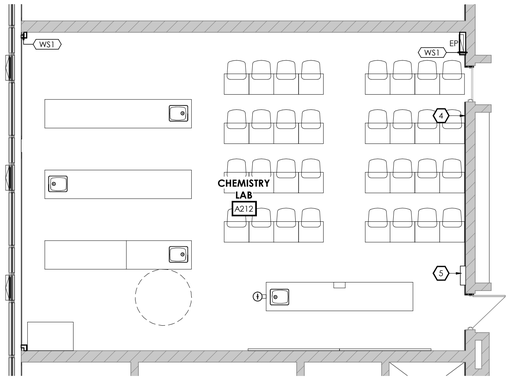

3 / A3.2 CHEMISTRY LAB FLOOR PLAN

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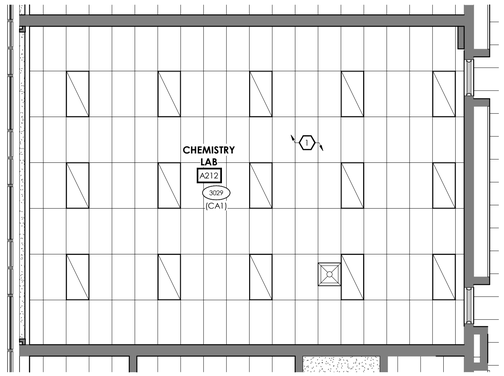

4 / A3.2 CHEMISTRY LAB REFLECTED CEILING PLAN

1 : 75

FLOOR PLAN KEYNOTES

1. REFER TO A9.1 FOR MILLWORK ELEVATIONS AND DETAILS
2. CHAIRS, WORK STATIONS AND FILING CABINETS (N.I.C.) PROVIDED BY THE SCHOOL BOARD
3. PROVIDE NEW FIRE EXTINGUISHERS AT EACH EGRESS DOOR
4. INFILL VOID LEFT BY REMOVED ELECTRICAL PANEL WITH CONCRETE BLOCK & PAINT TO MATCH ADJACENT WALL
5. RELOCATED TEACHERS PANEL (REFER TO ELECTRICAL DWGS)

RCP KEYNOTES

1. PROVIDE NEW 610 x 1220 ACOUSTIC TILE CEILING (ACT-1) AND GRID.
2. PATCH AND REPAIR ANY DAMAGE TO BLOCK OR BRICK WALL BELOW CEILING. BLOCK TO RECEIVE PAINT TO MATCH EXISTING.
3. REPLACE ACOUSTIC CEILING TILE GRID IN ALL LOCATIONS WHERE REMOVAL WAS NECESSARY FOR CONSTRUCTION OR WHERE DAMAGED DURING CONSTRUCTION.
4. REPLACE ANY/ALL DAMAGED EXISTING ACOUSTIC CEILING TILES. ANY NEW TILES TO MATCH EXISITNG

KEYNOTES MAY NOT APPER ON ALL REFLECTED CEILING PLANS

FLOOR PLAN LEGEND

- EXISTING WALL TO REMAIN (SHOWN SHADED)
- PROPOSED WALL AS NOTED (REFER TO WALL SCHEDULE)
- EXISTING DOOR AND FRAME TO REMAIN
- PROPOSED DOOR AND FRAME AS NOTED (REFER TO DOOR SCHEDULE)
- EXISTING WINDOW AND FRAME TO REMAIN
- DENOTES EXISTING BUILDING TO REMAIN
- DENOTES AREA N.I.C. UNLESS NOTED OTHERWISE
- W-- PROPOSED WALL TAG: (REFER TO WALL SCHEDULE)
- D-- PROPOSED DOOR TAG: (REFER TO DOOR SCHEDULE)
- W-- PROPOSED WINDOW TAG: (REFER TO WINDOW SCHEDULE)
- S-- PROPOSED SCREEN TAG: (REFER TO SCREEN SCHEDULE)
- PB BARRIER FREE PUSH BUTTON - REFER TO ELEC. DWGS.
- FD FLOOR DRAIN - REFER TO MECH. DRAWINGS.
- EW EYE WASH - REFER TO MECH. DWGS.

RCP LEGEND

- 2450 CEILING HEIGHT TAG
- POT LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- SUSPENDED PENDANT LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- WALL MOUNTED LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- 610x610 AND 610x1220 RECESSED FLUORESCENT LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- SUSPENDED LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- SUPPLY AIR DIFFUSERS (REFER TO MECHANICAL DWGS.)
- EXHAUST FAN (REFER TO MECHANICAL DWGS.)
- RETURN AIR GRILLE (REFER TO MECHANICAL DWGS.)

FLOOR PLAN NOTES

1. PARTITIONS WHICH SUPPORT FIXTURES, MILLWORK AND/OR ACCESSORIES ARE TO BE REINFORCED WITH WOOD STUDS, BLOCKING AND PLYWOOD AS REQUIRED TO PROVIDE RIGID SUPPORT AND FASTENING SURFACES.
2. SITE VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF DOORS, WINDOWS, MILLWORK AND GLAZING SYSTEMS. REPORT ALL DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
3. ALL WALLS, CEILINGS AND SURFACES THAT ARE TO BE PAINTED SHALL BE REPAIRED, PATCHED AND SANDED SMOOTH, AS REQUIRED, READY FOR PAINT.
4. ALL NEW SIGNAGE TO BE COORDINATED IN CONJUNCTION WITH OWNER'S REQUIREMENTS. ALL PERMITS AND DRAWINGS BY OTHERS.
5. EXISTING WALLS AND/OR STRUCTURES TO REMAIN ARE SHOWN SHADED.
6. COORDINATE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL RELATED COMPONENTS OF DEMOLITION, MODIFICATION AND NEW INSTALLATION.
7. REMOVE ALL REDUNDANT PLUMBING, ELECTRICAL, MECHANICAL AND HVAC COMPONENTS AS SCHEDULED BY CONSULTANTS, PATCH, SEAL, COVER AND MAKE SAFE AS REQUIRED.
8. PATCH AND REPAIR ALL OPENINGS AND PENETRATIONS FROM REMOVED ITEMS IN EXISTING FLOORS, WALLS AND CEILINGS TO REMAIN (MAINTAIN EXISTING FIRE RATINGS AS NOTED).
9. ALL EXISTING SURFACES TO RECEIVE NEW FINISHES ARE TO BE REVIEWED PRIOR TO CONSTRUCTION. ALL DISCREPANCIES IN THE EXISTING MATERIALS AND/OR DIMENSIONS TO BE REPORTED TO THE ARCHITECT.
10. ALL EXISTING WALLS, CEILINGS AND SURFACES THAT ARE TO BE PAINTED SHALL BE REPAIRED, PATCHED AND SANDED SMOOTH, AS REQUIRED, READY FOR PAINT.
11. INTERIOR DIMENSIONS ARE TO/FROM FACE OF STEEL STUD, TO/FROM FACE OF STEEL STUD AND/OR EXISTING WALL FINISH.
12. PROVIDE FIRE STOPPING/FIRE CAULKING AT TOP OF WALL TO MAINTAIN CONTINUOUS FIRE SEPARATION WHERE REQUIRED. REFER TO ASSEMBLIES AND OBC PLANS.
13. FURR IN RAIN WATER LEADERS WITH 92mm METAL STUDS AND GYPSUM BOARD TO 200mm ABOVE CEILING LINE, UNLESS NOTED OTHERWISE. FOR EXACT NUMBER OF RAIN WATER LEADERS AND CHASES REFER TO MECHANICAL DRAWINGS.
14. ALL INTERIOR CONCRETE BLOCK PARTITIONS/WALLS TO EXTEND FULL HEIGHT TO U/S OF STRUCTURE UNLESS NOTED OTHERWISE. PROVIDE GAP FOR DEFLECTION AS REQUIRED.
15. THE CONTRACTOR SHALL ENSURE THAT ALL PORTIONS OF EXPOSED FOUNDATION WALLS ARE TO BE CARFULLY FORMED AND POURED AND THAT ALL SURFACE IMPERFECTIONS, SCUFFS, CHIPS ABRASIONS, INCLUDING FORM TIES ARE REMOVED AND THE SURFACES ARE MADE GOOD.
16. ALL EXTERIOR EXPOSED ARCHITECTURAL CONCRETE SURFACES TO BE SEALED.
17. ALL AREAS DESIGNATED AS MECHANICAL SPACE TO RECEIVE FIRE STOPPING AND DAMPERS AT ALL FLOOR PENETRATIONS.
18. GENERAL CONTRACTOR TO VERIFY ELEVATOR SHAFT SIZE PRIOR TO CONSTRUCTION WITH APPROVED SHOP DRAWINGS.
19. GENERAL CONTRACTOR TO PROVIDE AND MAINTAIN ALL SHORING THAT IS REQUIRED FOR TEMPORARY SUPPORTS.
20. SUPPLY AND INSTALL SEALANT AT LOCATIONS OF ABUTTING, DISSIMILAR MATERIALS AND EQUIPMENT, VISIBLE OR OTHERWISE, TO PROTECT BUILDING COMPONENTS FROM AIR INFILTRATION AND MOISTURE PROTECTION. COLOUR TO MATCH ADJACENT SURFACE.
21. GRIND EXISTING FLOORS AS REQUIRED TO ENSURE A SMOOTH SURFACE READY FOR NEW FINISH.

RCP NOTES

1. LIGHT FIXTURES ARE TO BE PLACED IN THE CENTRE OF THE SUSPENDED CEILING TILE. GYPSUM BOARD CEILING OR BULKHEAD UNLESS NOTED OTHERWISE.
2. EMERGENCY AND EXIT SIGNS NOT SHOWN. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS AND MOUNTING HEIGHTS. NOTIFY ARCHITECT AND/OR DESIGNER OF ANY CONFLICTS.
3. REFER TO ELECTRICAL DRAWINGS FOR FULL SCOPE OF ELECTRICAL DEVICES AND SPECIFICATIONS. NOTIFY THE ARCHITECT AND/OR DESIGNER OF ANY FOUND DISCREPANCIES AND/OR CONFLICTS.
4. REFER TO MECHANICAL DRAWINGS FOR FULL SCOPE OF MECHANICAL DEVICES AND SPECIFICATIONS. NOTIFY THE ARCHITECT AND/OR DESIGNER OF ANY FOUND DISCREPANCIES AND/OR CONFLICTS.
5. EXTENT OF NEW AND/OR EXISTING SPRINKLER SYSTEM NOT SHOWN. GENERAL CONTRACTOR TO SUPPLY AND INSTALL SPRINKLER SYSTEM TO APPLICABLE CODES TO SUIT PLANS. GENERAL CONTRACTOR TO SUPPLY SHOP DRAWINGS FOR SPRINKLER SYSTEM TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
6. LIGHT FIXTURES AND MECHANICAL DUCTWORK/DIFFUSERS/RETURN AIR GRILLES/EQUIPMENT ARE SHOWN FOR COORDINATION PURPOSES ONLY. NOT ALL FIXTURES MAY BE INDICATED ON THIS PLAN. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPREHENSIVE SCHEDULING OF FIXTURES, DEVICES AND EQUIPMENT/QUANTITY/MOUNTING HEIGHTS/ETC.
7. REFER TO ARCHITECT AND/OR DESIGNER DRAWINGS FOR DIMENSIONAL LOCATION OF CEILING FIXTURES. REFER TO ENGINEERING DRAWINGS FOR SPECIFICATIONS, LOCATION FOR FIXTURES IN CEILING TO BE LAID OUT AND APPROVED ON SITE BY DESIGNER PRIOR TO INSTALLATION.
8. LOCATE DIFFUSERS/GRILLES AND LIGHT FIXTURES WITHIN GRID LINES. CENTRE SPRINKLER HEADS, SPEAKERS, RECESSED FIXTURES, AND SIMILAR CEILING ELEMENTS IN ACOUSTICAL UNITS AND DRYWALL TO CREATE ALIGNMENT, UNLESS NOTED OTHERWISE.
9. CONTRACTOR TO CROSS REFERENCE BETWEEN ARCHITECT AND/OR DESIGNER'S ELECTRICAL DRAWINGS, ENGINEER'S ELECTRICAL DRAWINGS, ENGINEER'S MECHANICAL DRAWINGS AND SITE CONDITIONS. REPORT DISCREPANCIES TO THE ARCHITECT AND/OR DESIGNER FOR CLARIFICATION.
10. CONTRACTOR TO PROVIDE OPENINGS IN DRYWALL CEILING TO ACCOMODATE SPRINKLERS, EXIT LIGHTS, ACCESS PANELS TO MECHANICAL BOTH NEW AND BASE BUILDING EQUIPMENT. RECESSED DOWN LIGHT AND AIR DIFFUSERS. CONTRACTOR TO REFER TO REFLECTED CEILING PLAN AND ENGINEERING DRAWINGS AND SPECIFICATIONS.
11. ALL POT LIGHTS AND ACCENT LIGHTS TO BE ON DIMMERS UNLESS NOTED OTHERWISE. REFER TO ENGINEERING DRAWINGS FOR FURTHER INFORMATION.
12. REFER TO ENGINEERING DRAWING FOR LIFE SAFETY SYSTEMS.
13. ALL GYPSUM BOARD CEILINGS TO RECEIVE PAINT FINISH PT-1(BENJAMIN MOORE, CC-20, DECORATOR'S WHITE) UNLESS NOTED OTHERWISE.
14. WHEREVER EXISTING FIXTURES ARE DAMAGED OR IN POOR WORKING ORDER, CONTRACTOR TO ALLOW FOR REPLACEMENT WITH NEW FIXTURES TO MATCH EXISTING.
15. CONTRACTOR TO PROVIDE AIR TRANSFER DUCTS IN ACCORDANCE WITH MECHANICAL DRAWINGS WHERE CONSTRUCTION OCCURS ABOVE SUSPENDED CEILING TO U/S OF SLAB.
16. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR TO RETURN UNUSED BASE BUILDING FIXTURES TO BUILDING LANDLORD.

PROJECT NORTH

ONTARIO ASSOCIATION OF ARCHITECTS
JOSHUA G.P. BEDARD
LICENCE 7407

No.	REVISIONS	DATE

ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05
CHRONOLOGY	DATE

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

LEVEL 2 - SCIENCE ROOM RENOVATIONS

SCALE	As indicated
SHEET SIZE	24X36
PROJECT NUMBER	2024-081
DRAWING NUMBER	A3.2

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PROJECT NORTH

FINISH MATERIAL SPECIFICATIONS

PAINT

PT-1 — PT-1 (GENERAL WALL & CEILING COLOUR)
BENJAMIN MOORE
CC-20, DECORATOR'S WHITE
*EGGSHELL FINISH ON WALL APPLICATIONS (GLOSS LEVEL G3)
**FLAT FINISH AT CEILING APPLICATIONS (GLOSS LEVEL G1)
***BENJAMIN MOORE PRE-CATALYZED WATERBORNE EPOXY (OR APPROVED ALTERNATE BY DULUX OR SHERWIN WILLIAMS)

PT-2 — PT-2 (DOORS & TRIM)
DULUX
OONN 07/000, DEEP ONYX
*SATIN FINISH AT TRIM APPLICATIONS (GLOSS LEVEL G4)
**BENJAMIN MOORE PRE-CATALYZED WATERBORNE EPOXY (OR APPROVED ALTERNATE BY DULUX OR SHERWIN WILLIAMS)

MELAMINE

MEL-1 — MEL-1 (SCIENCE LAB MILLWORK)
PANOLAM, TFL
COLOUR: S499, GALAXY WHITE
FINISH: SATIN
*WITH BASE-1 ON BASE OF MILLWORK
**PROVIDE 3mm EDGEBANDING TO MATCH

MEL-2 — MEL-2 (INTERIOR OF CABINETS)
UNIBOARD, TFL
COLOUR: WHITE

PLASTIC LAMINATE

PL-1 — PLAM-1 (WINDOW SILLS)
WILSONART
1573-60, FROSTY WHITE
*PLAM TO BE ADHERED TO 3/4" PLYWOOD WITH 1 1/2" SQUARE EDGE PROFILE
**1MM PVC TRANSLUSCENT SEALANT REQUIRED AROUND PERIMETER OF SILL

SOLID SURFACE

SURF-1 — SURF-1
DURCON
CHEMICAL RESISTANT SOLID PHENOLIC
SIZE: 1" THICK
COLOUR: CARBON BLACK
EDGE: RADIUS

HARDWARE

PULL-1 — PULL-1
CANADIAN BUILDERS' HARDWARE
CBH 255 PULL

CONCRETE SEALER

CONC-1 — CONC-1
W.R. MEADOWS OF CANADA LIMITED
INTRAGUARD
COLOUR: TRANSPARENT, MATTE FINISH

VINYL SHEET FLOORING

VSF-1 — VSF-1 (SCIENCE LAB FLOORING)
TARKETT
IQ OPTIMA, ROLLED GOOD
COLOUR: 0853, THUNDER HEAD
REFERENCE #: 3242853
SIZE: 6.6' x 82' x 2mm THICK
INSTALLATION: GLUE DOWN
BASE: BASE-1
*SCHLUTER (ATGB – BRUSHED NICKEL FINISH) FLOORING TRANSITION STRIPS REQUIRED WHERE FLOOR MATERIAL CHANGES. REFER TO FLOOR FINISHES PLAN FOR LOCATIONS.

WALL BASE

BASE-1 — BASE-1 (GENERAL & SCIENCE LAB)
TARKETT
PROFILE: TRADITIONAL VINYL
SIZE: 4"H x 1/8" THICK
COLOUR: 40, BLACK

BASE-2 — BASE-2 (PORCELAIN TILE BASE)
4" H TO BE CUT FROM PORT-1
*SCHLUTER JOLLY TRIM (ATGB FINISH) TO BE USED ON ALL EXPOSED EDGES

CEILING TILE

ACT-1 — ACT-1
ARSMTRONG
CORTEGA SQUARE LAY-IN
SIZE: 610mm x 1220mm
COLOUR: WHITE
GRID: 15/16"

PORCELAIN TILE

PORT-1 — PORT-1 (ELEVATOR WALL TILE)
OLYMPIA TILE
SERIES: PIETRA DI BRERA
COLOUR: GRIGIO
FINISH: MATTE
SIZE: 12" x 24"
GROUT: MAPEI, 107 IRON (SEAL GROUT)
INSTALLATION: HORIZONTALLY STACKED
* ADD SCHLUTER JOLLY TRIM (ATGB - BRUSHED NICKEL FINISH) ON ALL EXPOSED EDGES

MILLWORK NOTES

1. SITE VERIFY ALL DIMENSIONS PRIOR TO FABRICATION. CONTRACTOR IS TO PROVIDE SHOP DRAWINGS FOR ALL MILLWORK.
2. ALL SOLID SURFACE COUNTERTOPS ARE TO HAVE SQUARE EDGE PROFILE TYPICAL, UNLESS NOTED OTHERWISE.
3. MITER ALL CORNERS OF SOLID SURFACE COUNTERTOP. POLISH ALL EXPOSED EDGES. NO SHARP CORNERS/EDGES.
4. APPROPRIATE BLOCKING REQUIRED IN WALL BEHIND ALL WALL HUNG MILLWORK. CONTRACTOR TO COORDINATE WITH MILLWORK DRAWINGS AND DESIGNER FOR LOCATION AND HEIGHT OF BLOCKING.
5. CONTRACTOR TO COORDINATE MILLWORK DRAWINGS WITH POWER/COMMUNICATION AND ELECTRICAL PLANS FOR LOCATIONS AND HEIGHTS. CONTRACTOR SHALL REPORT ALL DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
6. ALL MILLWORK TO HAVE ADJUSTABLE SHELF PINS, UNLESS NOTED OTHERWISE.
7. ALL COUNTERTOPS ARE TO HAVE A 1" OVERHANG AT SINKS.
8. GRAIN DIRECTTION IS TO BE HORIZONTAL UNLESS NOT OTHERWISE ON THE FINISHES PLANS.
9. COORDINATING EDGE BANDING SHOULD BE PROVIDED FOR ALL MILLWORK. IF EXACT MATCH IS NOT AVAILABLE, DESIGNER IS TO BE CONSULTANT ON COLOUR SELECTION.

FINISH PLAN NOTES

1. REFER TO DRAWING FOR FLOORING INSTALL DIRECTION.
2. TRANSITION STRIPS REQUIRED ANYWHERE WHERE TWO DIFFERENT FLOORING MATERIALS MEET. CONTRACTOR TO COORDINATE APPROPRIATE PRODUCT/PROFILE WITH DESIGNER BEFORE ORDERING. UNLESS NOTED OTHERWISE, ALL TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR FRAME.
3. PROVIDE SAMPLES OF ALL FINISHES FOR APPROVAL PRIOR TO INSTALLATION.
4. ALTERNATIVES TO BE SUBMITTED TO DESIGNER FOR REVIEW AND APPROVAL BEFORE ORDERING.
5. DOORS AND FRAMES TO BE PT-2 (GLOSS LEVEL G4).
6. ALL EXPOSED CEILINGS, DRYWALL CEILINGS AND BULKHEADS TO BE PAINTED PT-1 (GLOSS LEVEL G1), UNLESS NOTED OTHERWISE.
7. ALL COLUMNS AND WALLS TO BE PAINTED PT-1 (GLOSS LEVEL G3), UNLESS NOTED OTHERWISE.
8. ALL EXISTING WINDOW SILLS TO RECEIVE PLAM-1, UNLESS NOTED OTHERWISE.
9. USE BASE-1 UNLESS NOTED OTHERWISE.

DRYWALL FINISH LEGEND

FINISH	DESCRIPTION	KEY NOTE
LEVEL 0	UNFINISHED	NO TAPE REQUIRED
LEVEL 1	TAPE AND JOINT COMPOUND	-
LEVEL 2	UNFINISHED OR TILE FINISH ONLY	-
LEVEL 3	HEAVYWEIGHT FINISHES ONLY	-
LEVEL 4	LIGHTWEIGHT FINISHES ONLY	CLASSIC DRYWALL FINISH
LEVEL 5	FLAT, SEMI-GLOSS, GLOSS FINISHES	HIGHEST POSSIBLE FINISH

PAINT GLOSS LEVEL LEGEND

GLOSS LEVEL	FINISH TYPE	GLOSS @ 60°	SHEEN @ 85°
LEVEL G1	MATTE	MAX. 5 UNITS	MAX. 10 UNITS
LEVEL G2	VELVET	MAX. 10 UNITS	10 - 35 UNITS
LEVEL G3	EGSHELL	10 - 25 UNITS	10 - 35 UNITS
LEVEL G4	SATIN	20 - 35 UNITS	MIN. 35 UNITS
LEVEL G5	SEMI-GLOSS	35 - 70 UNITS	-
LEVEL G6	TRADITIONAL GLOSS	70 - 85 UNITS	-
LEVEL G7	HIGH GLOSS	MIN. 85 UNITS	-

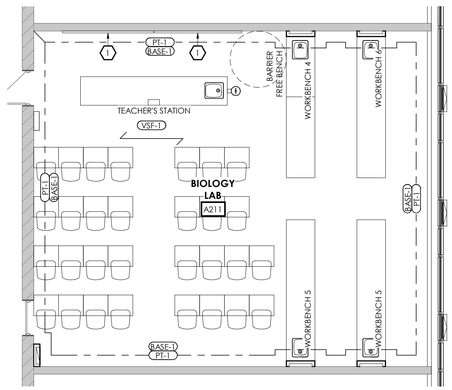
FINISH PLAN LEGEND

- INDICATES EXTENT OF WALL FINISH
- INDICATES FLOORING DIRECTION
- INDICATES FLOORING TRANSITION
- X / XX.X — INDICATES INTERIOR ELEVATION
- PT-X — PAINT FINISH (WALL U.N.O.)
- LVT-X — LUXURY VINYL TILE
- CRPT-X — CARPET TILE
- CER-X — CERAMIC TILE (FLOOR AND/OR WALL)
- PORT-1 — PORCELAIN TILE (FLOOR AND/OR WALL)
- WC-1 — WALL COVERING
- CONC-X — CONCRETE SEALER COATING
- ETC-X — EPOXY COATING
- BASE-X — WALL BASE

REFER TO FINISH MATERIAL SPECIFICATIONS

FINISH PLAN KEYNOTES

1 — 2438 x 1220 WHITEBOARD.



7 / A3.3 BIOLOGY LAB FINISH PLAN
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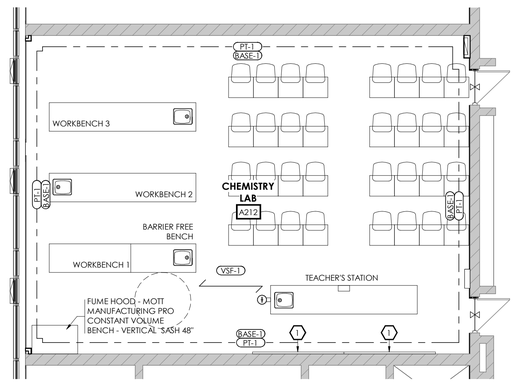

8 / A3.3 CHEMISTRY LAB FINISH PLAN
1 : 75

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CHRONOLOGY	DATE

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CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE
FINISH PLANS, MILLWORK ELEVATIONS AND DETAILS

SCALE: As indicated
SHEET SIZE: 24X36
PROJECT NUMBER: 2024-081
DRAWING NUMBER: A3.3

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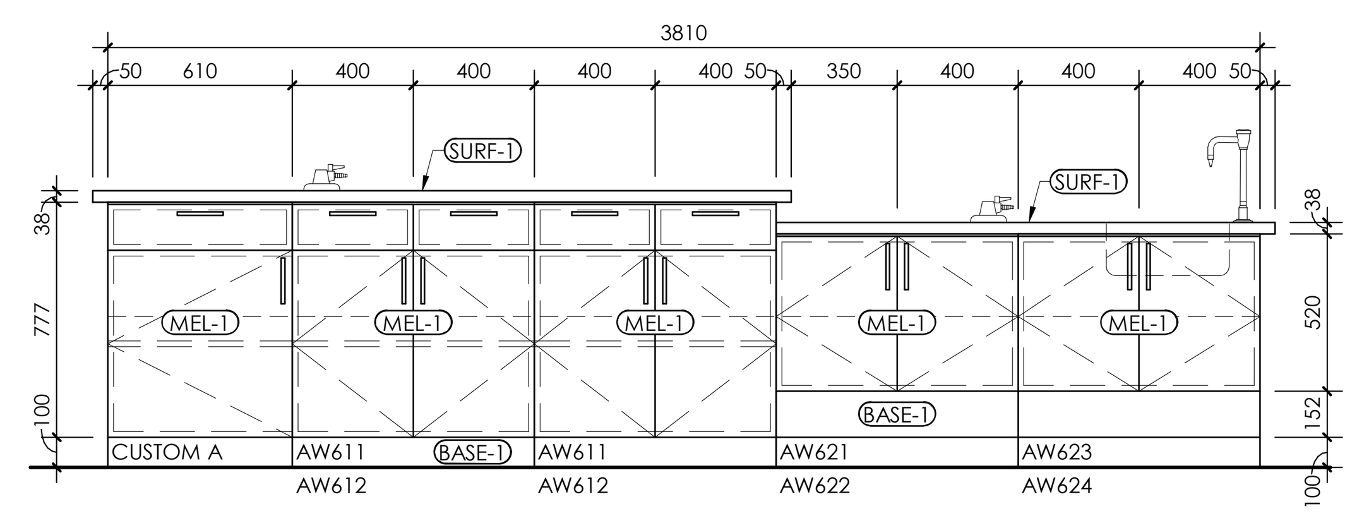
NOTE: ALL SINKS ARE TO HAVE STRAPPING UNDERNEATH THEM.

NOTE: ALL SCREW HOLES TO BE FILLED WITH PLASTIC SCREW CAPS.



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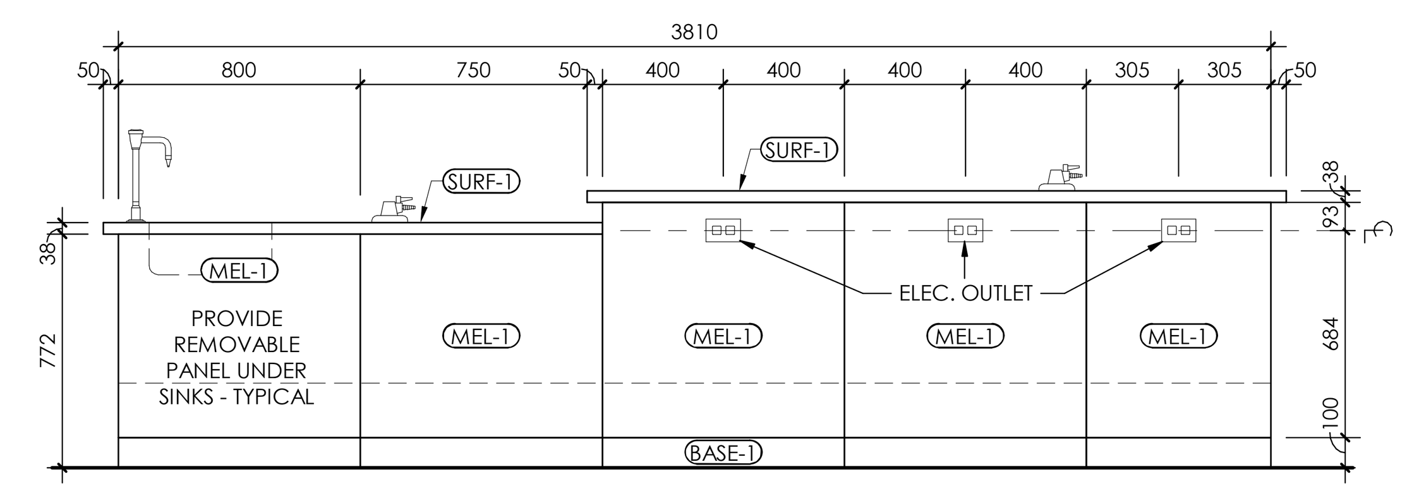

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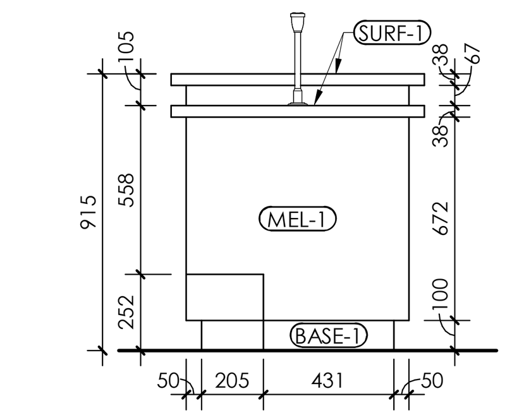

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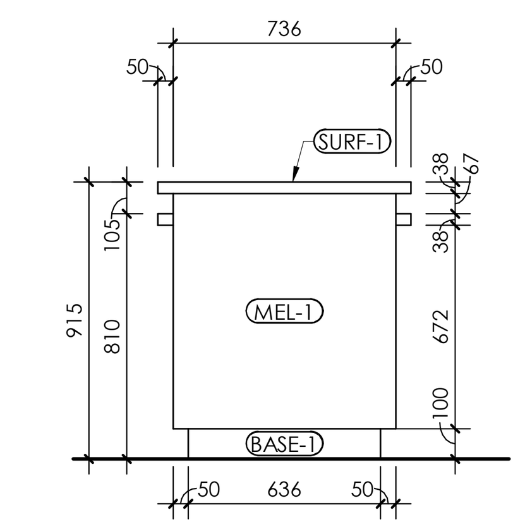

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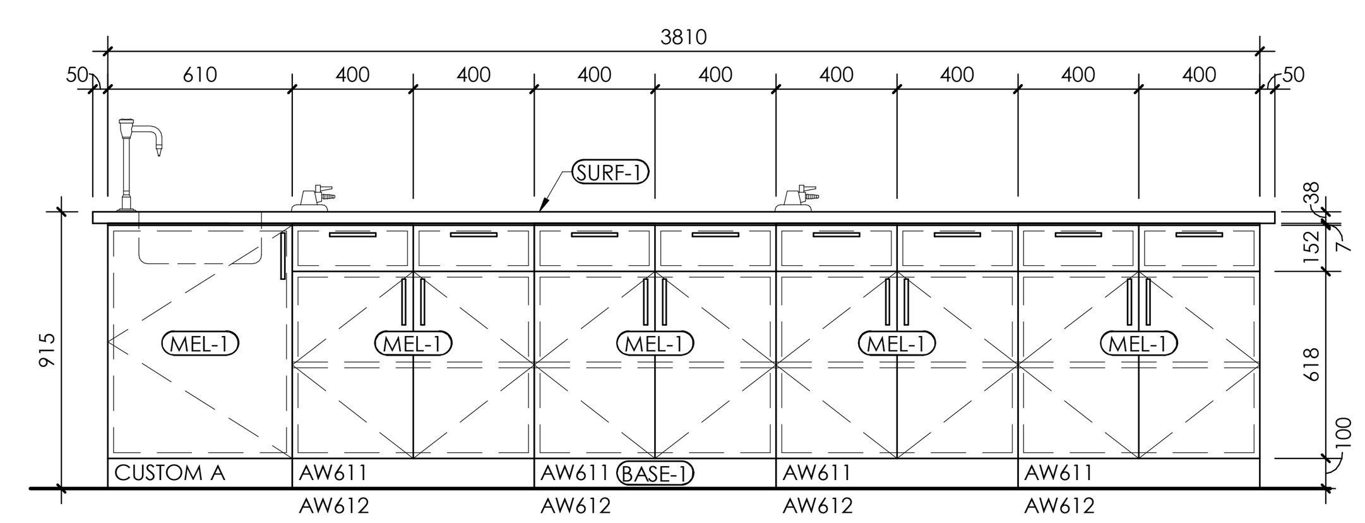

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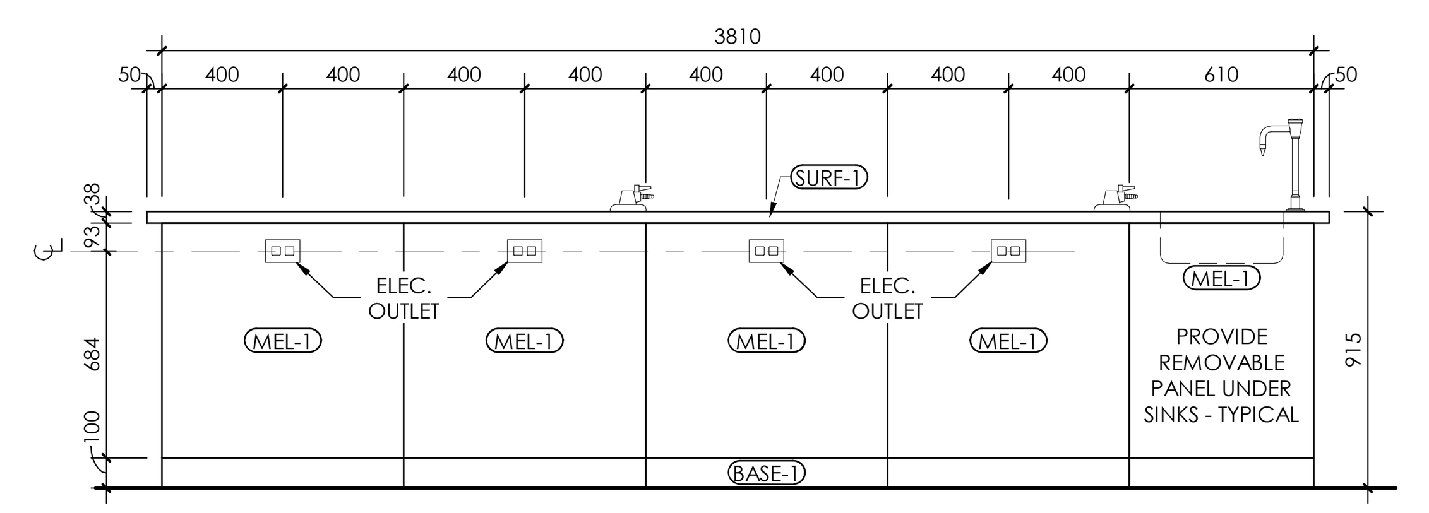

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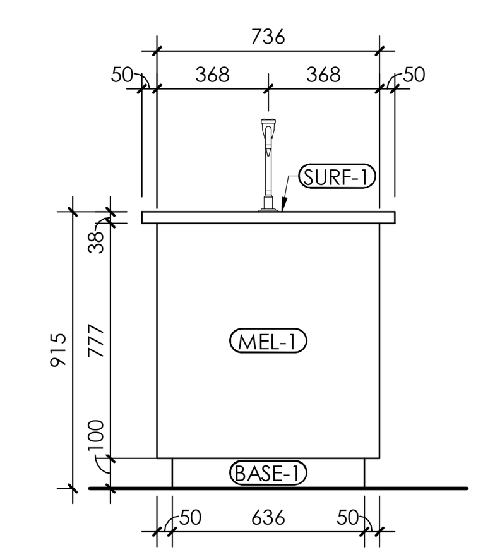

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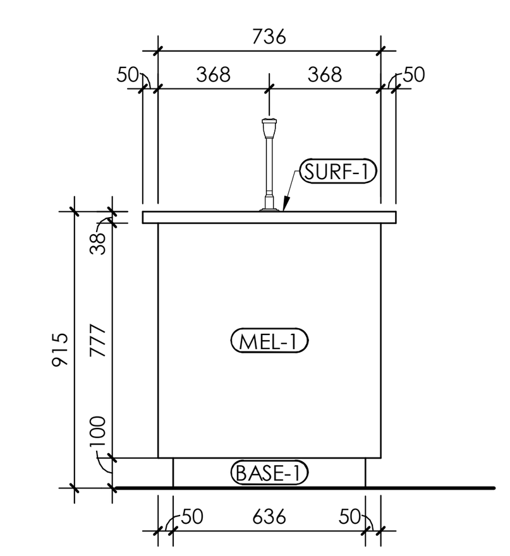

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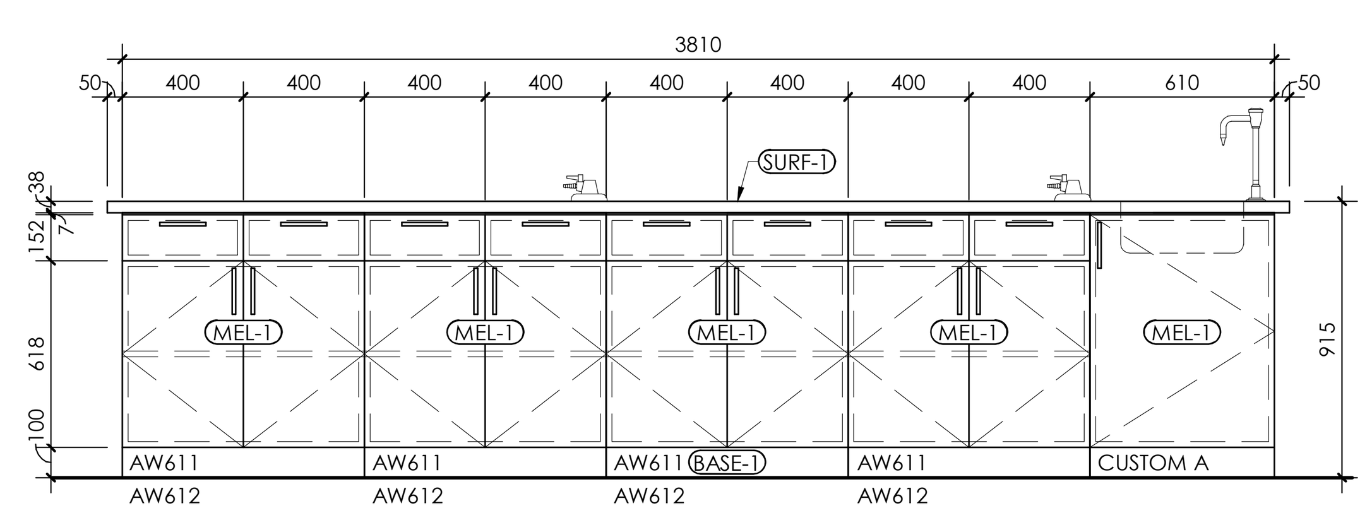

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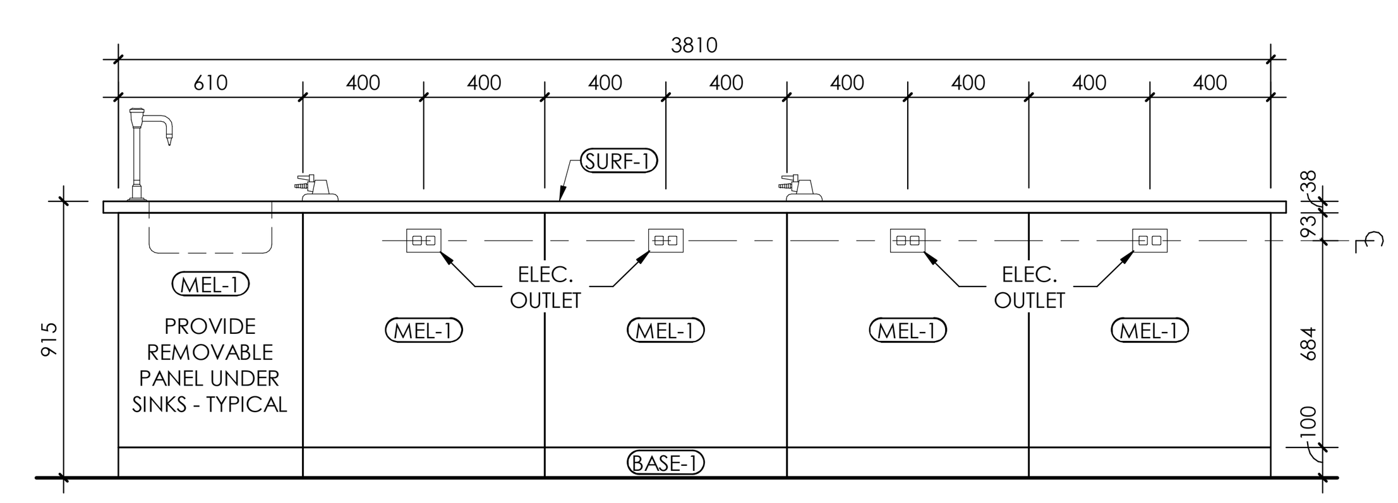

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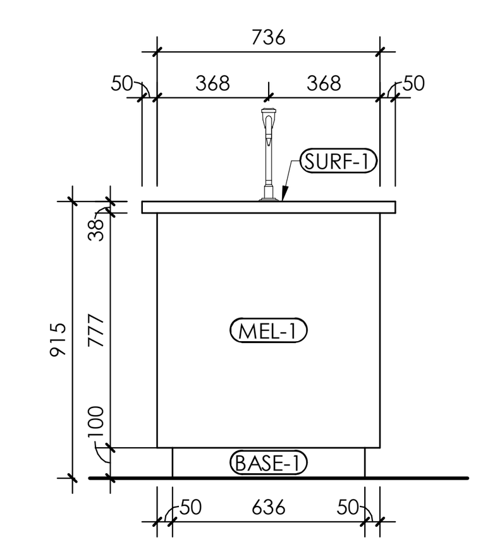

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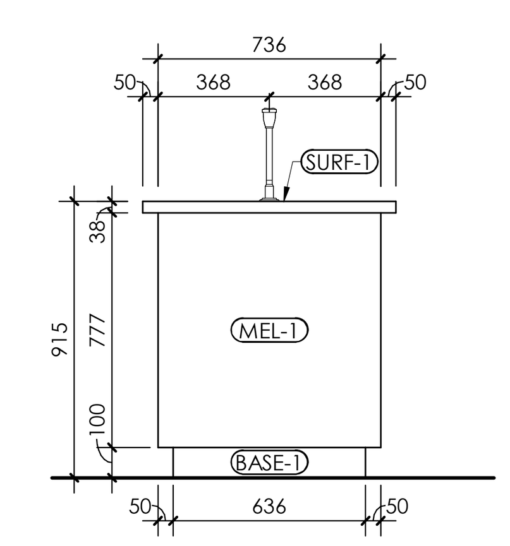

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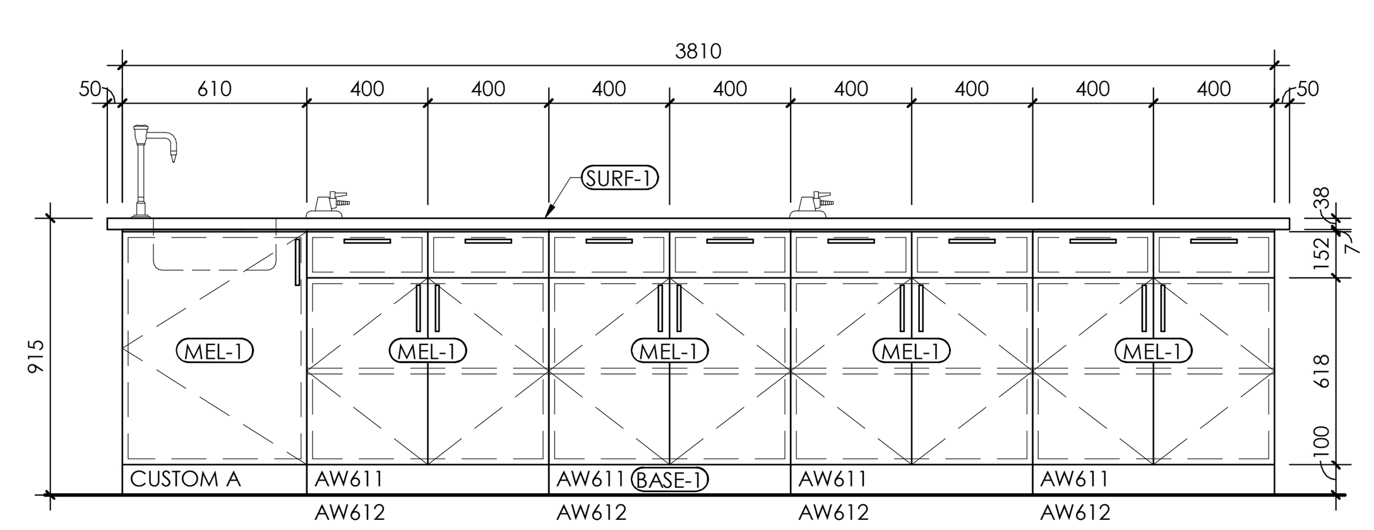

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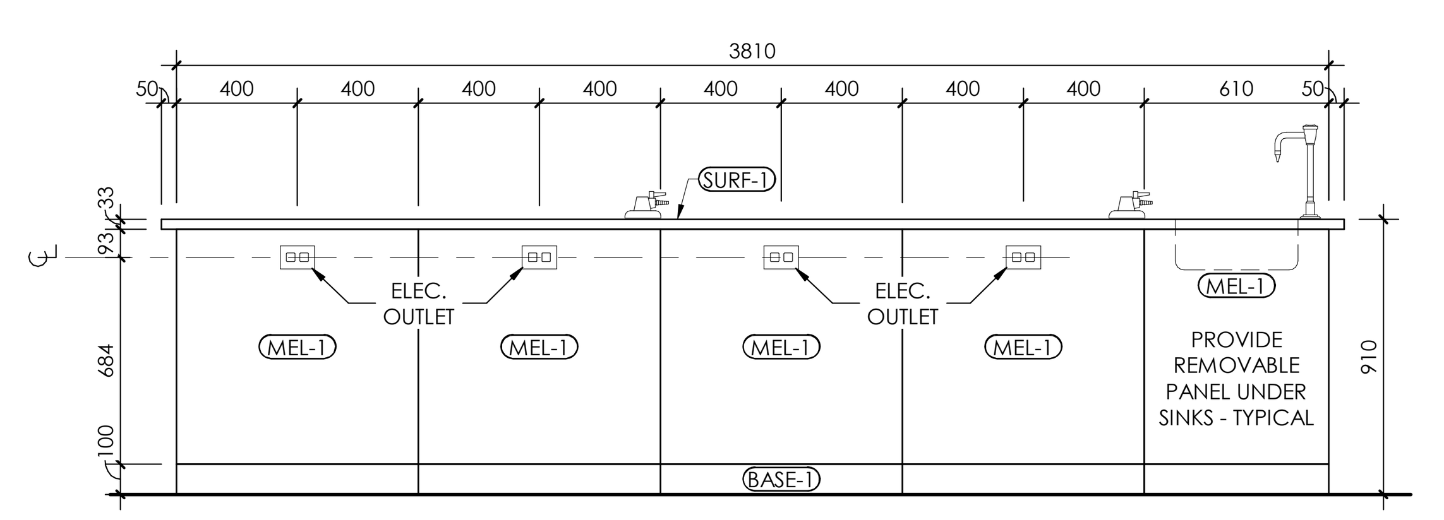

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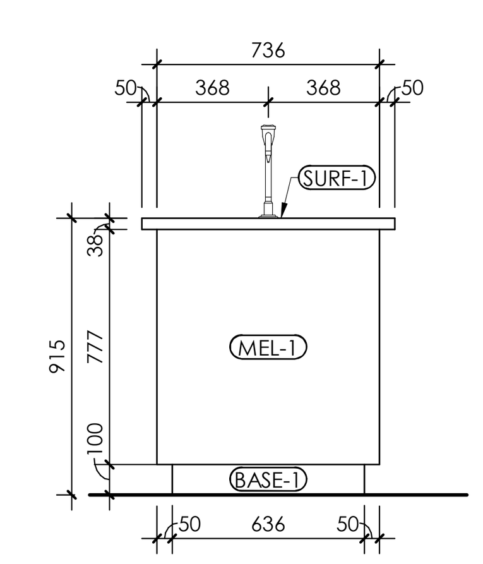

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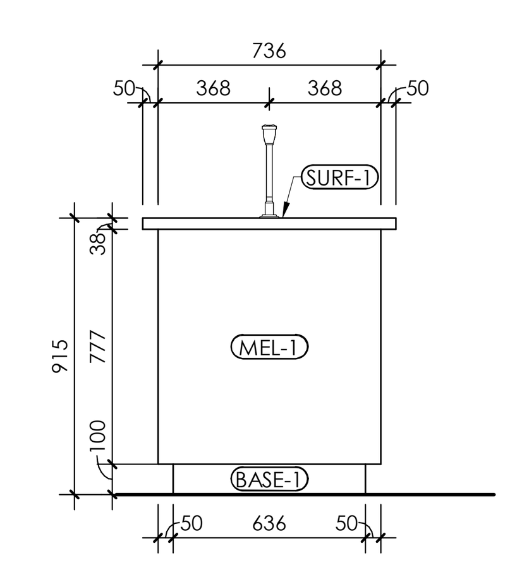

16 A3.4 TEACHER'S STATION - SIDE 2 1 : 25

THE CONTRACTOR MUST VERIFY ALL DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT, BEFORE PROCEEDING WITH THE WORK.

DRAWINGS ARE NOT TO BE SCALED.

ONTARIO ASSOCIATION OF ARCHITECTS

No.	REVISIONS	DATE

CHRONOLOGY	DATE
ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

SCIENCE WORKBENCH MILLWORK ELEVATIONS

SCALE 1 : 25

SHEET SIZE 24X36

PROJECT NUMBER 2024-081

DRAWING NUMBER A3.4

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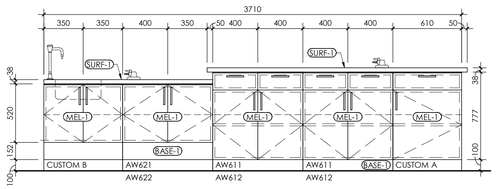
***NOTE:** ALL SINKS ARE TO HAVE STRAPPING UNDERNEATH THEM.

****NOTE:** ALL SCREW HOLES TO BE FILLED WITH PLASTIC SCREW CAPS.



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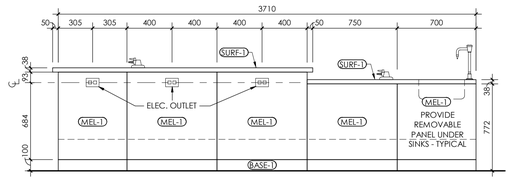

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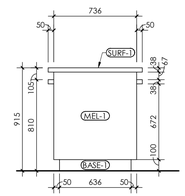

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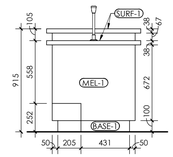

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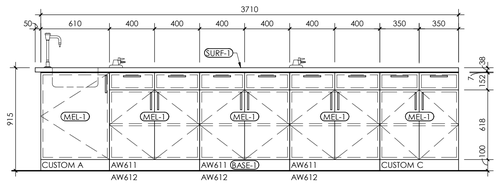

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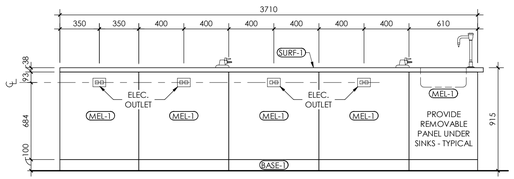

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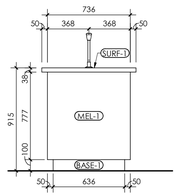

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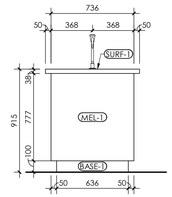

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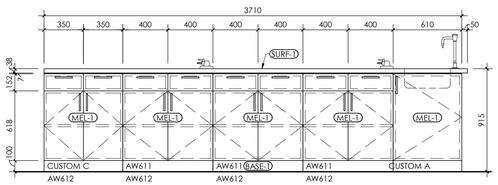

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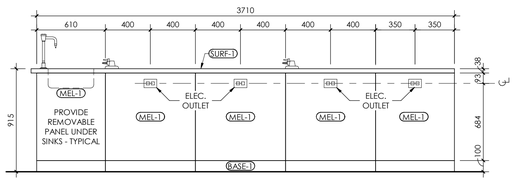

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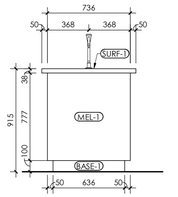

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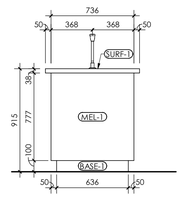

12 A3.5 WORKBENCH 6 - SIDE 2

1 : 25

ONTARIO ASSOCIATION OF ARCHITECTS
JOSHUA G.P. BEDARD
LICENCE
7407

No.	REVISIONS	DATE

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

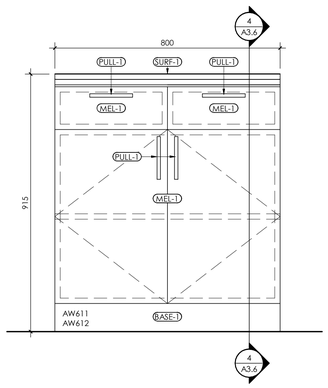
SCIENCE WORKBENCH MILLWORK ELEVATIONS

SCALE 1 : 25

SHEET SIZE 24X36

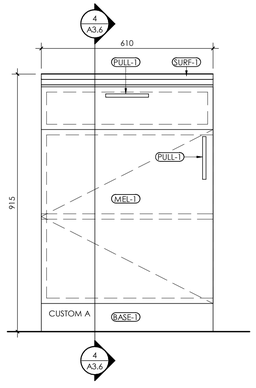
PROJECT NUMBER 2024-081

DRAWING NUMBER A3.5



1 A3.6 AW611 ELEVATION

1 : 10



2 A3.6 CUSTOM A ELEVATION

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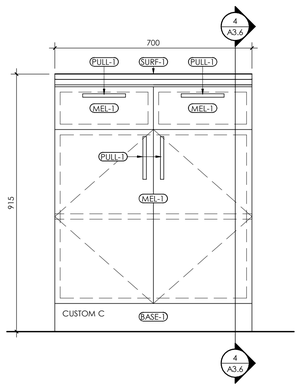
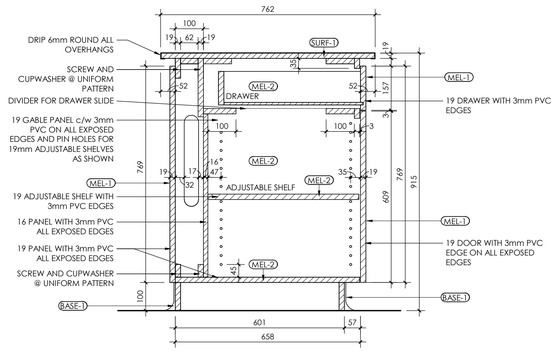


3 A3.6 CUSTOM C ELEVATION

1 : 10

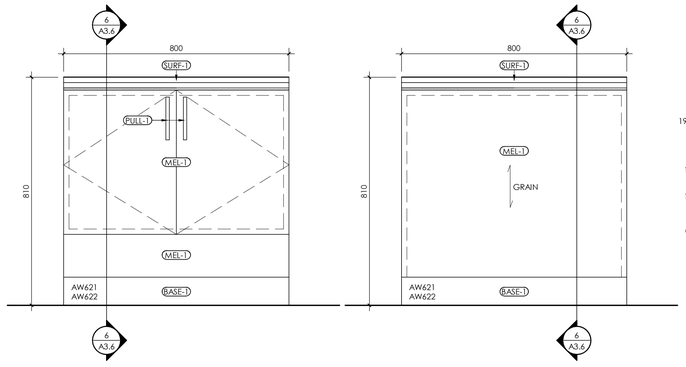


4 A3.6 AW611 & CUSTOM SECTION

1 : 10

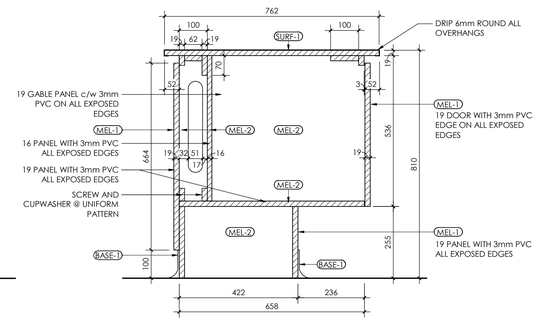
***NOTE:** ALL SINKS ARE TO HAVE STRAPPING UNDERNEATH THEM.

****NOTE:** ALL SCREW HOLES TO BE FILLED WITH PLASTIC SCREW CAPS.



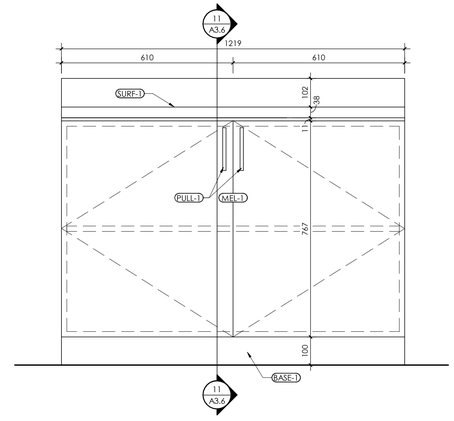
5 A3.6 AW621 BF SCIENCE LAB ISLAND CABINET - ELEVATION

1 : 10



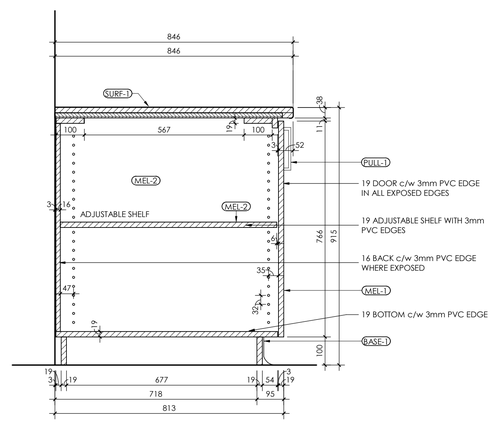
6 A3.6 AW622 BF SCIENCE LAB ISLAND CABINET - SECTION

1 : 10



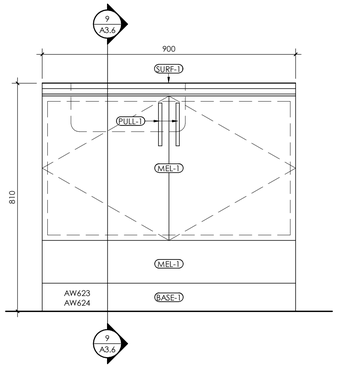
10 A3.6 CUSTOM FUME HOOD CABINET 1219 WIDE - ELEVATION

1 : 10



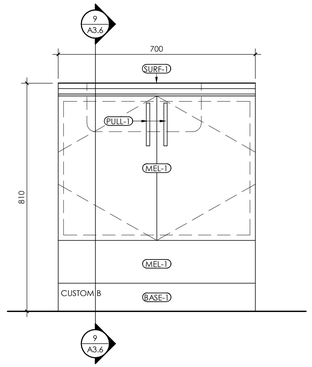
11 A3.6 CUSTOM FUME HOOD CABINET - SECTION

1 : 10



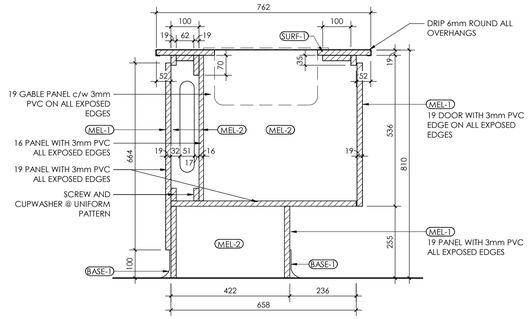
7 A3.6 AW623 BF SCIENCE LAB ISLAND CABINET WITH SINK - ELEVATION

1 : 10



8 A3.6 CUSTOM B BF SCIENCE LAB ISLAND CABINET WITH SINK - ELEVATION

1 : 10



9 A3.6 AW624 BF SCIENCE LAB ISLAND CABINET WITH SINK - SECTION

1 : 10

ONTARIO ASSOCIATION OF ARCHITECTS
JASON G.P. BEDARD
LICENCE
7407

No.	REVISIONS	DATE

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CHRONOLOGY	DATE

aba architects inc.
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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

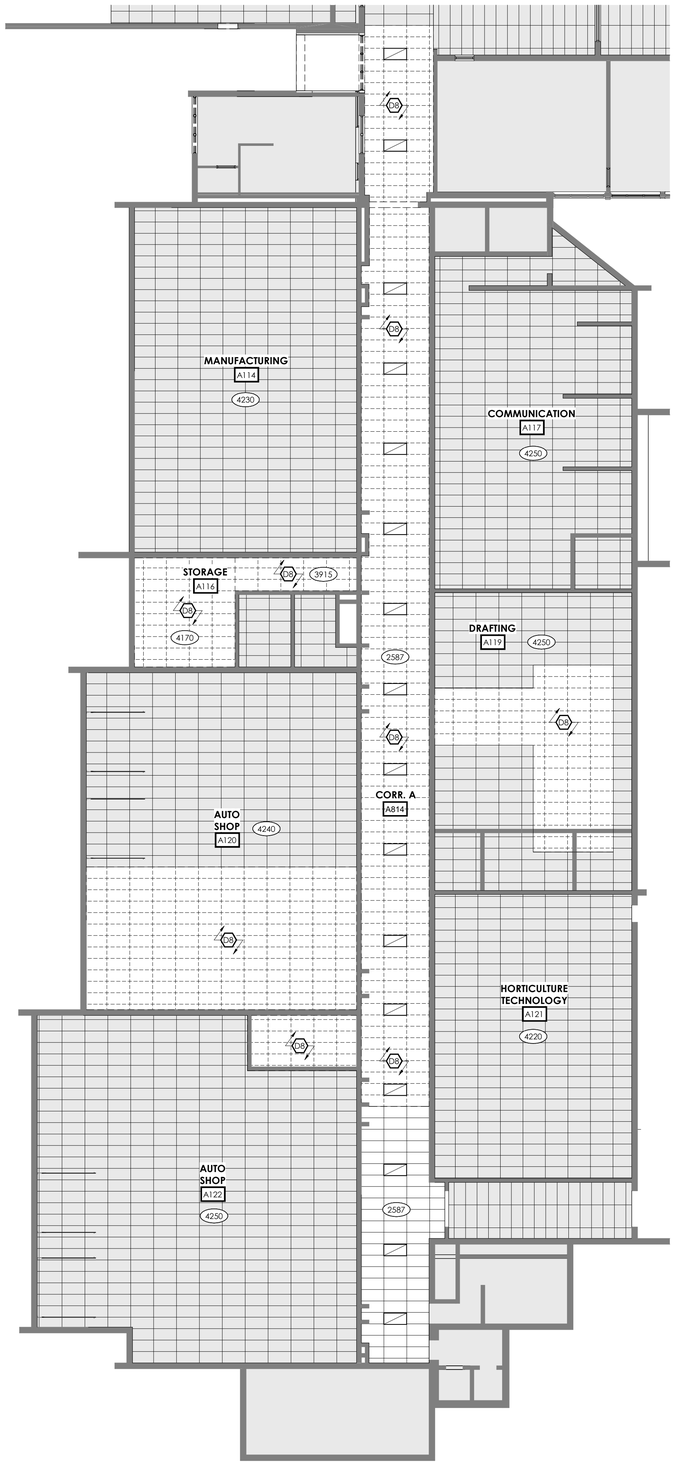
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

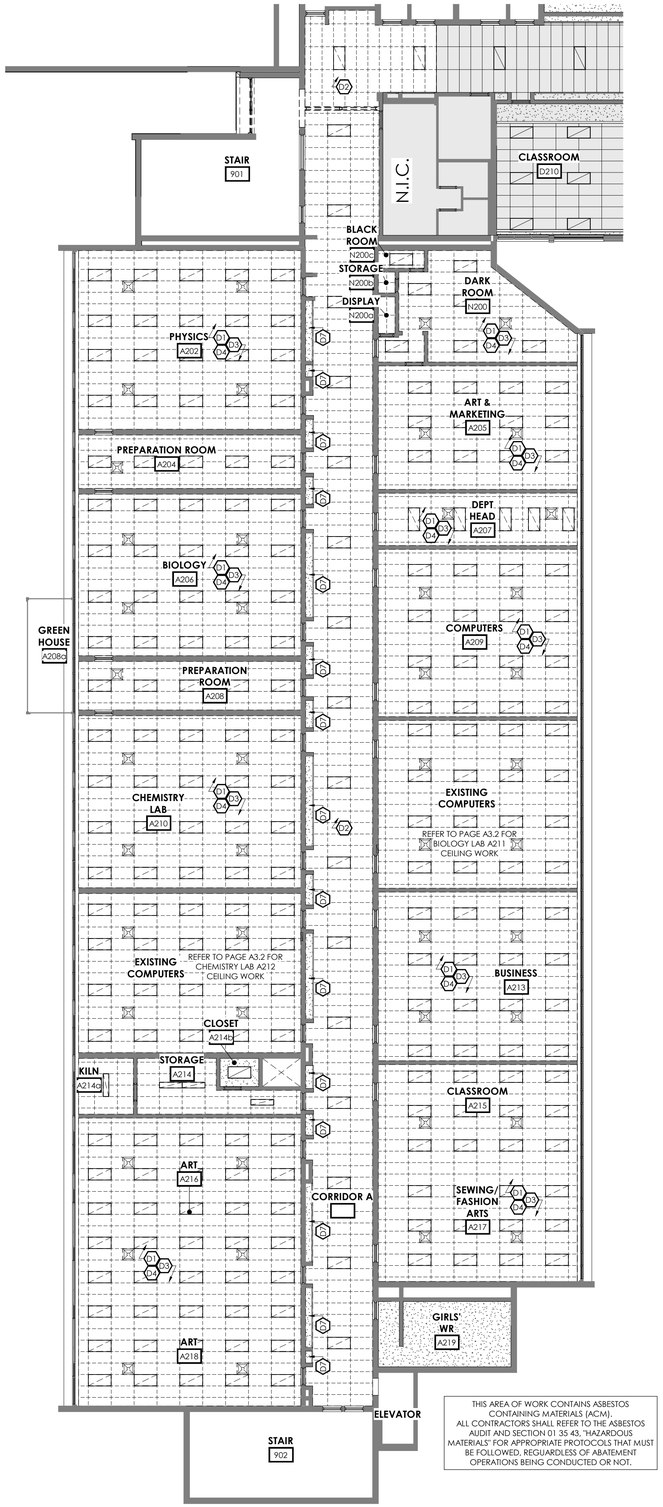
SCIENCE WORKBENCH MILLWORK SECTIONS

SCALE	1 : 10
SHEET SIZE	24X36
PROJECT NUMBER	2024-081
DRAWING NUMBER	A3.6



2 A4.1 LEVEL 1 - DEMOLITION REFLECTED CEILING PLAN

1 : 150



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, REGUARDLESS OF ABATEMENT OPERATIONS BEING CONDUCTED OR NOT.

1 A4.1 LEVEL 2 - DEMOLITION REFLECTED CEILING PLAN

1 : 150

CEILING DEMOLITION KEYNOTES

D1 REMOVE EXISTING CEILING TILE AND SUSPENSION GRID IN ITS ENTIRETY AND REMOVE FROM SITE

D2 REMOVE EXISTING AC. TILE INCLUDING GYPROC LATH CEILING AND NAILERS IN ITS ENTIRETY AND REMOVE FROM SITE

D3 REMOVE EXISTING AC. TILE INCLUDING GYPROC LATH CEILING AND NAILERS LOCATED ABOVE EXISTING CEILING TILE IN ITS ENTIRETY AND REMOVE FROM SITE

D4 CAREFULLY REMOVE EXISTING LIGHT FIXTURES AND PROVIDE NEW LED FIXTURES AS SPECIFIED BY ELECTRICAL ENGINEER. CONFER WITH OWNER FOR TURN-OVER OF ANY REMOVED FIXTURES.

D5 EXISTING SUSPENDED ACOUSTIC CEILING GRID AND TILES TO REMAIN. REMOVE TILE AND DISASSEMBLE GRID AS REQUIRED TO FACILITATE INSTALLATION OF NEW MECHANICAL SPRINKLER SYSTEM. STORE IN SECURE, DRY LOCATION FOR REINSTALLATION LATER

D6 DEMOLISH EXISTING BULKHEAD IN IT'S ENTIRETY AND DISPOSE OF FROM SITE. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DEMOLITION OR REUSE OF EXISTING SERVICES IN BULKHEAD.

D7 BULKHEAD ABOVE LOCKERS TO REMAIN. DEMOLISH, PATCH AND REPAIR AS NEEDED FOR MECHANICAL AND STRUCTURAL DEMOLITION/NEW CONSTRUCTION. REFER TO MECHANICAL AND STRUCTURAL DRAWINGS.

D8 CAREFULLY REMOVE AND REINSTALL AC. TILE AND CEILING MOUNTED COMPONENTS TO ACCOMMODATE MECHANICAL WORK. REFER TO MECHANICAL DRAWINGS FOR EXTENTS. REPLACE ANY DAMAGED TILES

DEMOLITION PLAN LEGEND

- EXISTING WALL TO REMAIN (SHOWN SHADED)
- EXISTING WALL TO BE DEMOLISHED
- EXISTING WINDOW AND FRAME TO REMAIN
- DENOTES EXISTING BUILDING
- DENOTES AREA N.I.C. UNLESS NOTED OTHERWISE
- EXISTING LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)

DEMOLITION NOTES

1. DISPOSE OF REMOVED ITEMS IN A LAWFUL MANNER IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE MUNICIPALITY HAVING JURISDICTION.
2. ALL EXISTING WALLS AND ITEMS TO BE REMOVED ARE SHOWN DASHED.
3. ALL EXISTING WALLS TO REMAIN ARE SHOWN SHADED.
4. OWNER TO HAVE THE RIGHT TO FIRST REFUSAL OF ALL ITEMS REMOVED. ITEMS TO BE STORED IN A DRY AND SECURE LOCATION. ALL REMOVED ITEMS SHALL BE DISPOSED OF AS PER NOTE No. 1.
5. COORDINATE WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS ALL RELATED COMPONENTS OF DEMOLITION, MODIFICATION AND NEW INSTALLATION.
6. REMOVE, RELOCATE AND/OR RE-ROUTE ALL MECHANICAL AND ELECTRICAL SERVICES AND CONNECTIONS AS REQUIRED TO ACCOMMODATE DEMOLITION OR AS NECESSARY AS A RESULT OF DEMOLITION.
7. SUPPLY AND INSTALL ALL NECESSARY SHORING AND/OR BRACING AS REQUIRED FOR TEMPORARY SUPPORT OF EXISTING STRUCTURE. COORDINATE WITH A STRUCTURAL ENGINEER AS REQUIRED.
8. ENSURE ALL FLOOR AREAS ARE FREE OF HAZARDS AFTER DEMOLITION IS COMPLETE. LEVEL, PATCH, FILL AND GRIND FLOOR AS REQUIRED TO ACHEIVE A SMOOTH SANITARY SURFACE READY TO RECEIVE FLOOR FINISH.
9. CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO EXISTING ABUTTING WALLS, SURFACES AND FINISHES TO REMAIN.
10. PROTECT SALVAGED AND/OR ITEMS TO REMAIN FROM DAMAGE. PROVIDE ADEQUATE COVERINGS AND/OR STORAGE AS REQUIRED.
11. EXISTING EXIT SIGNAGE, FIRE ALARM SYSTEM AND EMERGENCY LIGHTING TO BE LEFT IN OPERATION DURING DEMOLITION AND DURATION OF CONTRACT OR UNTIL NEW INSTALLED.
12. COORDINATE WITH OWNER AREA(S) FOR WASTE BIN LOCATION. SUPPLY AND MAINTAIN PROTECTIVE MEASURES TO ENSURE THE PUBLIC'S SAFETY.
13. COORDINATE WITH THE OWNER ANY STAGING OF WORK AND/OR DISRUPTIONS TO PARKING AND TRAFFIC FLOWS.
14. SHOULD MATERIAL RESEMBLING SPRAY OR TROWEL APPLIED ASBESTOS OR OTHER TOXIC OR HAZARDOUS MATERIALS BE ENCOUNTERED IN THE COARSE OF DEMOLITION, STOP WORK, TAKE PREVENTATIVE MEASURES AND NOTIFY ARCHITECT AND/OR OWNER IMMEDIATELY. DO NOT PROCEED UNTIL WRITTEN INSTRUCTIONS HAVE BEEN RECEIVED.
15. CONTRACTOR TO EXAMINE EXISTING CONDITIONS ON SITE AFFECTING DIVISION OF WORK. NO CLAIM FOR PAYMENT SHALL BE MADE FOR EXTRA WORK MADE NECESSARY BY CIRCUMSTANCES ENCOUNTERED DUE TO CONDITIONS WHICH WERE VISIBLE UPON, OR REASONABLY INFERABLE, FROM AN EXAMINATION OF THE SITE PRIOR TO SUBMISSION OF THE BID. THIS INCLUDES BUT IS NOT LIMITED TO THE SERVICES ABOVE THE CEILING.
16. CONTRACTOR MUST OBTAIN DEMOLITION PERMITS REQUIRED BY RELEVANT AUTHORITIES BEFORE THE COMMENCEMENT OF THE WORK.
17. DURING DEMOLITION, CONTRACTOR TO PREVENT DUST, DIRT AND DEBRIS FROM RISING OR MIGRATING TO OTHER AREAS BY HANGING 0.5mm POLY SHEETS BETWEEN AREAS OF CONSTRUCTION. PROTECT EXISTING HVAC UNITS FROM CONTAMINATION AND REPLACE FILTERS UPON COMPLETION OF DEMOLITION.
18. CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN THE INTEGRITY OF THE BUILDING CORE.
19. DEMOLITION OCCURING BEYOND THE SCOPE IDENTIFIED IS TO BE REPAIRED OR REPLACED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
20. CONTRACTOR TO PATCH CEILING, ADJACENT WALLS AND FLOOR SURFACES AS REQUIRED AFTER DEMOLITION. ALL STRIPPED SURFACES TO BE LEFT IN SMOOTH CONDITION SUITABLE TO RECEIVE NEW FINISHES.
21. ELECTRICAL SERVICES TO BE REMOVED ARE TO BE SAFELY CAPPED, COMPLIANT WITH THE APPLICABLE CODES.
22. ALL CUTTING AND PATCHING OF EXISTING FINISHES WILL BE DONE TO THE HIGHEST STANDARD.
23. GENERAL CONTRACTOR TO ENSURE ALL FLOOR AREAS ARE FREE OF HAZARDS AFTER DEMOLITION AND DURING CONSTRUCTION.
24. CONTRACTOR TO REFER TO GENERAL CONDITIONS AS OUTLINED IN SPECIFICATIONS FOR NEW CONSTRUCTION.

PROJECT NORTH

ONTARIO ASSOCIATION OF ARCHITECTS — JASON G.P. REDARD — LICENCE 7407

No.	REVISIONS	DATE

ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05
CHRONOLOGY	DATE

aba architects inc.
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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

LEVEL 1 AND 2 - PARTIAL REFLECTED CEILING DEMOLITION PLAN

SCALE	As indicated
SHEET SIZE	24X36
PROJECT NUMBER	2024-081
DRAWING NUMBER	A4.1

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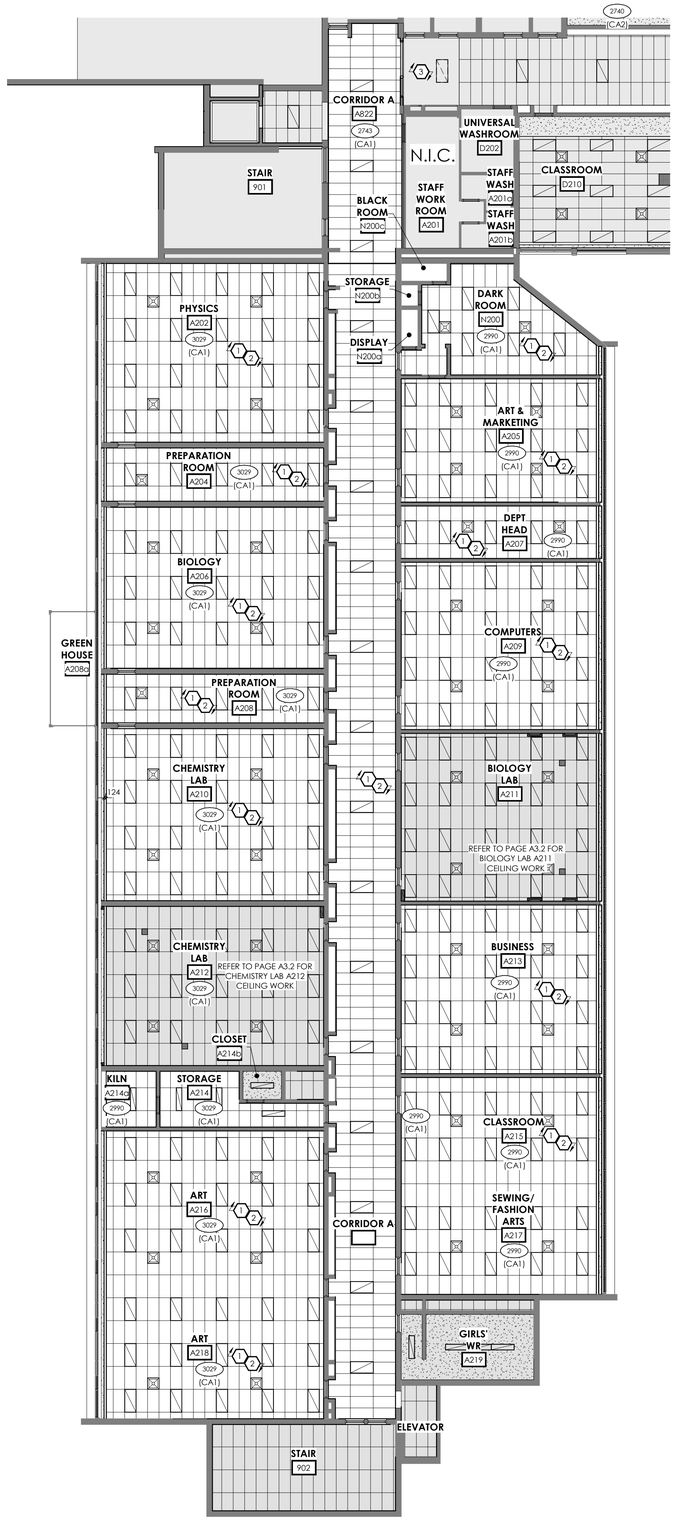

1 / A4.2 LEVEL 2 - PARTIAL REFLECTED CEILING PLAN

1 : 150

RCP KEYNOTES

1. PROVIDE NEW 610 x 1220 ACOUSTIC TILE CEILING (ACT-1) AND GRID.
2. PATCH AND REPAIR ANY DAMAGE TO BLOCK OR BRICK WALL BELOW CEILING. BLOCK TO RECEIVE PAINT TO MATCH EXISTING.
3. REPLACE ACOUSTIC CEILING TILE GRID IN ALL LOCATIONS WHERE REMOVAL WAS NECESSARY FOR CONSTRUCTION OR WHERE DAMAGED DURING CONSTRUCTION.
4. REPLACE ANY/ALL DAMAGED EXISTING ACOUSTIC CEILING TILES. ANY NEW TILES TO MATCH EXISITNG

KEYNOTES MAY NOT APPER ON ALL REFLECTED CEILING PLANS

RCP LEGEND

- 2450 — CEILING HEIGHT TAG
- POT LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- SUSPENDED PENDANT LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- WALL MOUNTED LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- 610x610 AND 610x1220 RECESSED FLUORESCENT LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- SUSPENDED LIGHT FIXTURE (REFER TO ELECTRICAL DWGS.)
- SUPPLY AIR DIFFUSERS (REFER TO MECHANICAL DWGS.)
- EXHAUST FAN (REFER TO MECHANICAL DWGS.)
- RETURN AIR GRILLE (REFER TO MECHANICAL DWGS.)

RCP NOTES

1. LIGHT FIXTURES ARE TO BE PLACED IN THE CENTRE OF THE SUSPENDED CEILING TILE, GYPSUM BOARD CEILING OR BULKHEAD UNLESS NOTED OTHERWISE.
2. EMERGENCY AND EXIT SIGNS NOT SHOWN. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS AND MOUNTING HEIGHTS. NOTIFY ARCHITECT AND/OR DESIGNER OF ANY CONFLICTS.
3. REFER TO ELECTRICAL DRAWINGS FOR FULL SCOPE OF ELECTRICAL DEVICES AND SPECIFICATIONS. NOTIFY THE ARCHITECT AND/OR DESIGNER OF ANY FOUND DISCREPANCIES AND/OR CONFLICTS.
4. REFER TO MECHANICAL DRAWINGS FOR FULL SCOPE OF MECHANICAL DEVICES AND SPECIFICATIONS. NOTIFY THE ARCHITECT AND/OR DESIGNER OF ANY FOUND DISCREPANCIES AND/OR CONFLICTS.
5. EXTENT OF NEW AND/OR EXISTING SPRINKLER SYSTEM NOT SHOWN. GENERAL CONTRACTOR TO SUPPLY AND INSTALL SPRINKLER SYSTEM TO APPLICABLE CODES TO SUIT PLANS. GENERAL CONTRACTOR TO SUPPLY SHOP DRAWINGS FOR SPRINKLER SYSTEM TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
6. LIGHT FIXTURES AND MECHANICAL DUCTWORK/DIFFUSERS/RETURN AIR GRILLES/EQUIPMENT ARE SHOWN FOR COORDINATION PURPOSES ONLY. NOT ALL FIXTURES MAY BE INDICATED ON THIS PLAN. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPREHENSIVE SCHEDULING OF FIXTURES, DEVICES AND EQUIPMENT/QUANTITY/MOUNTING HEIGHTS/ETC.
7. REFER TO ARCHITECT AND/OR DESIGNER DRAWINGS FOR DIMENSIONAL LOCATION OF CEILING FIXTURES. REFER TO ENGINEERING DRAWINGS FOR SPECIFICATIONS. LOCATION FOR FIXTURES IN CEILING TO BE LAID OUT AND APPROVED ON SITE BY DESIGNER PRIOR TO INSTALLATION.
8. LOCATE DIFFUSERS/GRILLES AND LIGHT FIXTURES WITHIN GRID LINES. CENTRE SPRINKLER HEADS, SPEAKERS, RECESSED FIXTURES, AND SIMILAR CEILING ELEMENTS IN ACOUSTICAL UNITS AND DRYWALL TO CREATE ALIGNMENT, UNLESS NOTED OTHERWISE.
9. CONTRACTOR TO CROSS REFERENCE BETWEEN ARCHITECT AND/OR DESIGNER'S ELECTRICAL DRAWINGS, ENGINEER'S ELECTRICAL DRAWINGS, ENGINEER'S MECHANICAL DRAWINGS AND SITE CONDITIONS. REPORT DISCREPANCIES TO THE ARCHITECT AND/OR DESIGNER FOR CLARIFICATION.
10. CONTRACTOR TO PROVIDE OPENINGS IN DRYWALL CEILING TO ACCOMODATE SPRINKLERS, EXIT LIGHTS, ACCESS PANELS TO MECHANICAL BOTH NEW AND BASE BUILDING EQUIPMENT. RECESSED DOWN LIGHT AND AIR DIFFUSERS. CONTRACTOR TO REFER TO REFLECTED CEILING PLAN AND ENGINEERING DRAWINGS AND SPECIFICATIONS.
11. ALL POT LIGHTS AND ACCENT LIGHTS TO BE ON DIMMERS UNLESS NOTED OTHERWISE. REFER TO ENGINEERING DRAWINGS FOR FURTHER INFORMATION.
12. REFER TO ENGINEERING DRAWING FOR LIFE SAFETY SYSTEMS.
13. ALL GYPSUM BOARD CEILINGS TO RECEIVE PAINT FINISH PT-1(BENJAMIN MOORE, CC-20, DECORATOR'S WHITE) UNLESS NOTED OTHERWISE.
14. WHEREVER EXISTING FIXTURES ARE DAMAGED OR IN POOR WORKING ORDER, CONTRACTOR TO ALLOW FOR REPLACEMENT WITH NEW FIXTURES TO MATCH EXISTING.
15. CONTRACTOR TO PROVIDE AIR TRANSFER DUCTS IN ACCORDANCE WITH MECHANICAL DRAWINGS WHERE CONSTRUCTION OCCURS ABOVE SUSPENDED CEILING TO U/S OF SLAB.
16. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR TO RETURN UNUSED BASE BUILDING FIXTURES TO BUILDING LANDLORD.

PROJECT NORTH

ONTARIO ASSOCIATION OF ARCHITECTS — JOSHUA G.P. BEDARD — LICENCE 7407

No.	REVISIONS	DATE

ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05
CHRONOLOGY	DATE

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

LEVEL 2 - PARTIAL REFLECTED CEILING PLANS

SCALE	DRAWING NUMBER
As indicated	A4.2
SHEET SIZE: 24X36	
PROJECT NUMBER: 2024-081	

2025-03-05 3:19:48 P.M. C:\Users\JoshB\Documents\2024-081 GPSS Science Classroom_Central_joshbger.rvt

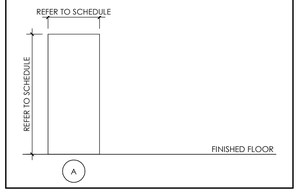
DOOR AND FRAME SCHEDULE

No.	F.R.R	DOOR ELEV.	DOOR SIZE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZ.	FRAME ELEV.	FRAME SCREEN ELEV.	FRAME MATERIAL	FRAME FINISH	HWE. PKG	REMARKS
DOOR AND FRAME SCHEDULE - A4.0 BASE BUILDING (by MARK)												
B301	--	A	2-914 x 2032	I.H.M.	PAINT	-	F1		H.M.	PAINT		

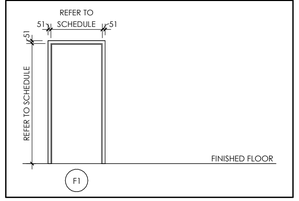
DOOR HARDWARE SCHEDULE

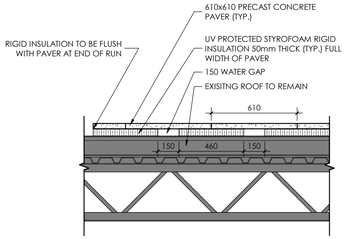
H1 STAIRWELL EXTERIOR DOORS
- THREE (3) HINGES
- STOREROOM LEVER LATCH SET
- DOOR CLOSER
- WEATHERSTRIPPING
- DOOR SWEEP
- ALUMINUM THRESHOLD

DOOR TYPE ELEVATIONS



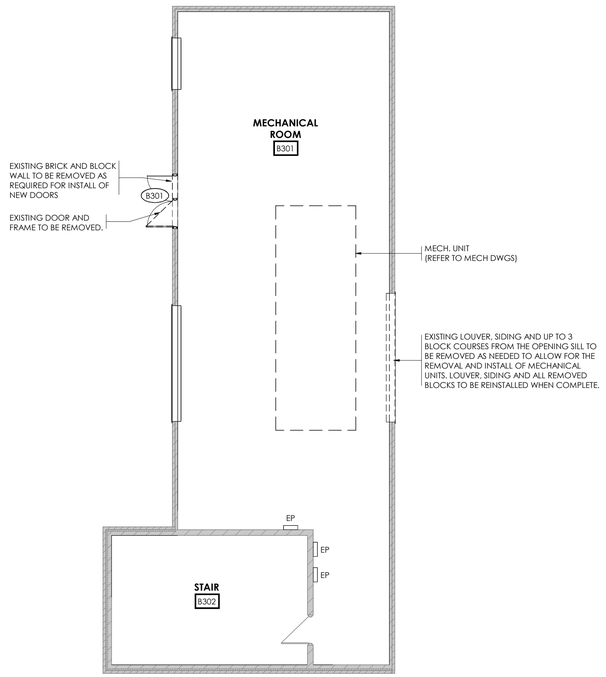
FRAME TYPE ELEVATIONS





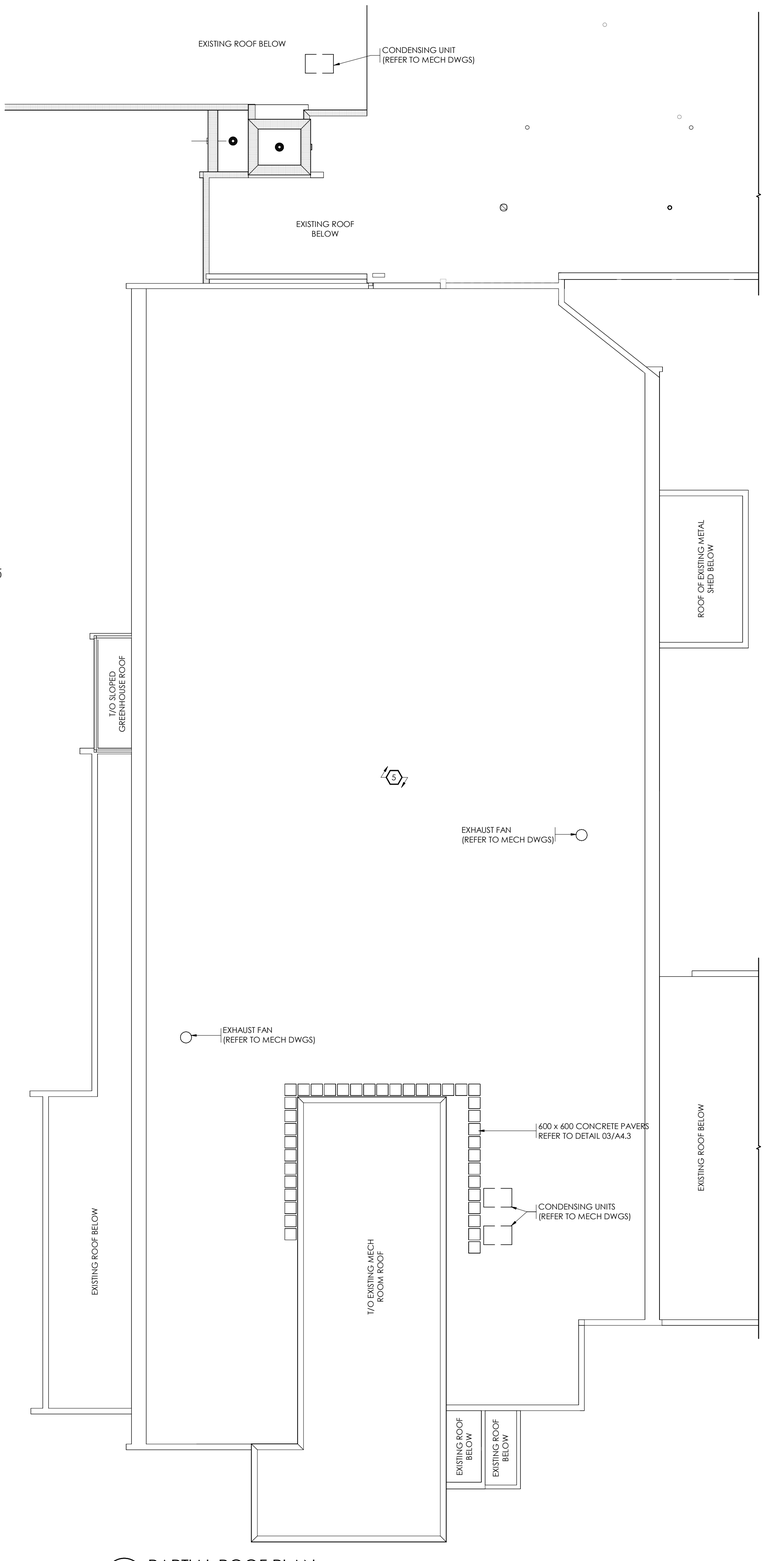
03 / A4.3 TYP. CONCRETE PAVER DETAIL

1 : 20



01 / A4.3 LEVEL 3 - MECHANICAL ROOM FLOOR PLAN

1 : 100



02 / A4.3 PARTIAL ROOF PLAN

1 : 150

ROOF PLAN LEGEND

- EXTENT OF SLOPED INSULATION, MINIMUM 1% TO ROOF DRAIN(S)
- EX-RD — EXISTING ROOF DRAIN (REFER TO MECHANICAL DRAWINGS)
- EX-V — EXISTING VENT (REFER TO MECHANICAL DRAWINGS)
- EX-EF — EXISTING EXHAUST FAN (REFER TO MECHANICAL DRAWINGS)
- 610x610 PRECAST CONCRETE PAVER STONES ON 50 RIGID INSULATION SLEEPERS
- SLOPE — MINIMUM 1% SLOPE OF ROOF STRUCTURE OR SLOPED INSULATION TO ROOF DRAIN(S)

ROOF PLAN KEYNOTES

1. NEW CONDENSING UNIT ON ROOF CURBS. REFER TO MECHANICAL AND STRUCTURAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR TEMPORARY MEASURES PRIOR TO ARRIVAL OF CONDENSING UNITS.
2. NEW ROOF CURBS BY MECHANICAL TRADE. ROOFING PATCHING, REPAIRING & WATERPROOFING BY ROOFING CONTRACTOR.
3. REMOVE VENT FOR RELOCATION. REFER TO MECHANICAL DRAWINGS.
4. RELOCATED VENT. REFER TO MECHANICAL DRAWINGS.
5. ALL PATCHING, REPAIRING & WATERPROOFING OF NEW AND EXISTING PENETRATIONS IN ROOF BY ROOFING CONTRACTOR. INCLUDE ANY/ALL WORK RELATED TO GAS PIPING ON ADJACENT ROOFS.

ROOF PLAN NOTES

1. SUPPLY AND MAINTAIN ON A DAILY BASIS ALL TEMPORARY FENCING, HOARDING, SIGNAGE AND OTHER SEPARATIONS REQUIRED TO MAINTAIN THE SAFETY OF THE PUBLIC AND PROVIDE ACCESS TO STORES AND SHOPS DURING WORK OF THIS CONTRACT. COORDINATE THESE PROTECTIVE MEASURES WITH THE OWNER AND INDIVIDUAL STORE AND SHOP OWNERS.
2. MAINTAIN A CLEAN AND ORDERLY SITE AT ALL TIMES. ALL DEBRIS AND EXCESS MATERIALS NOT REQUIRED SHALL BE CLEARED FROM ROOF TOP NIGHTLY. ANY MATERIALS STORED ON THE ROOF SHALL BE PROPERLY SECURED TO PREVENT UPLIFT.
3. MATERIALS THAT ARE STORED ON THE ROOF SHALL BE PLACED ON PROPER SLEEPERS TO PREVENT ANY DAMAGE TO THE EXISTING ROOFING AND ALLOW FOR PROPER WATER DRAINAGE ACROSS THE ROOF.
4. COORDINATE WITH OWNER AREA(S) FOR TAR KETTLE LOCATION AND MATERIALS STORAGE. SUPPLY AND INSTALL PROTECTIVE MEASURES TO ENSURE THE GENERAL PUBLIC'S SAFETY.
5. COORDINATE WITH OWNER ANY STAGING OF WORK.
6. PROTECTIVE MEASURES SHALL BE TAKEN TO PREVENT DAMAGE TO THE EXISTING ROOF MEMBRANE AND THE EXISTING ROOF TOP UNITS THAT ARE TO REMAIN.
7. REMOVE ALL REDUNDANT ROOF CURBS, CONES, STACKS AND SLEEPERS FROM THE EXISTING ROOF. PATCH AND REPAIR THE ROOF DECK AND ROOFING AS NECESSARY TO MAKE WEATHERTIGHT.
8. ALL EXISTING HVAC UNIT AND CONDENSER LOCATIONS ARE TO BE CONFIRMED ON SITE. SEE MECHANICAL DRAWINGS FOR ALL NEW HVAC AND/OR CONDENSER LOCATIONS.
9. ALL ABANDONED ROOF PENETRATIONS TO BE PATCHED AND REPAIRED AS NECESSARY TO MAKE WEATHERTIGHT.
10. ALL EXISTING ROOF DRAINS TO BE CLEANED AND REPAIRED AS NECESSARY. REPORT ALL FOUND DEFICIENCIES TO THE ARCHITECT.
11. PATCH AND REPAIR ANY FOUND ROOF DEFECTS AS NECESSARY TO MAKE WEATHERTIGHT. REPORT DEFICIENCIES TO THE ARCHITECT.

PROJECT NORTH

ONTARIO ASSOCIATION OF ARCHITECTS — JASON G.P. REDARA — LICENCE 7407

No.	REVISIONS	DATE

ISSUED FOR BUILDING PERMIT / TENDER	2025.03.05
CHRONOLOGY	DATE

aba architects inc.
101 Shoemaker Street, Unit 8, Kitchener, ON, N2E 3E1 | 519 888 6111 | www.abaarchitects.ca

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

MECHANICAL ROOM & PARTIAL ROOF PLAN

SCALE	DRAWING NUMBER
As indicated	A4.3
SHEET SIZE: 24X36	
PROJECT NUMBER: 2024-081	

2025-03-05 3:19:48 P.M. C:\Users\JasonR\Documents\2024-081 GPSS Science Classroom_Central_jasonger.rvt

A. GENERAL

1. ALL WORK SHALL CONFORM TO THE ONTARIO BUILDING CODE AND ALL STANDARDS REFERENCED WITHIN, LOCAL REGULATIONS AND BYLAWS, AND THE OCCUPATIONAL HEALTH AND SAFETY ACT FOR CONSTRUCTION PROJECTS. THE LATEST VERSIONS OF STANDARDS SHALL APPLY.
2. READ THESE DRAWINGS IN CONJUNCTION WITH ALL RELATED CONTRACT DOCUMENTS AND CONSULTANT DRAWINGS.
3. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS IN RELATION TO THE DRAWINGS AND NOTIFY THE ENGINEER TO ALL DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.
4. DRAWINGS ARE NOT TO BE SCALED.
5. THE DESIGN DOCUMENTS ARE PREPARED SOLELY FOR THE USE WITH THE PARTY WHOM THE ENGINEER HAS ENTERED INTO CONTRACT. THERE ARE NO REPRESENTATIONS MADE TO ANY PARTY WITH WHOM THE ENGINEER HAS NOT ENTERED INTO CONTRACT.
6. THE CONTRACTOR SHALL RETAIN AN INDEPENDENT TESTING AND INSPECTION COMPANY TO ENSURE THAT THE WORK IS DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS INCLUDING COMPACTION TESTING, REINFORCING STEEL PLACEMENT, CONCRETE TESTING AND STRUCTURAL STEEL.
7. THE ENGINEER SHALL BE GIVEN MINIMUM 24 HOURS NOTICE BY THE CONTRACTOR FOR ALL CONSTRUCTION REVIEWS. SITE VISITS AND REVIEWS BY THE ENGINEER OR HIS REPRESENTATIVE ARE INTENDED FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THE REVIEWS SHALL NOT MEAN THAT THE ENGINEER HAS SEEN ALL CONSTRUCTION PROCEDURES. REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS AND OMISSIONS AND FOR MEETING ALL THE REQUIREMENTS OF THE CONSTRUCTION AND CONTRACT DOCUMENTS.
8. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR CONSTRUCTION LOADS AND TEMPORARY BRACING TO ENSURE SAFETY AND THE BUILDING IS PLUMB AND IN TRUE ALIGNMENT AT ALL PHASES OF CONSTRUCTION AS PER O.REG 213/91. ALL BRACING MEMBERS SHOWN ON THE DRAWINGS ARE DESIGNED FOR THE FINISHED STRUCTURE AND MAY NOT BE SUFFICIENT FOR ERECTION PURPOSES. SHORING AND BRACING SHALL BE DESIGNED, REVIEWED AND APPROVED BY A PROFESSIONAL ENGINEER. SHOP DRAWINGS SHALL BE SUBMITTED WITH P.ENG STAMP FOR OUR REVIEW PRIOR TO CONSTRUCTION.
9. NO SUBSTITUTIONS FROM THE SPECIFIED PRODUCTS AND MATERIALS ARE PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER.

TESTING REQUIREMENTS

TEST	COMMENTS
SOIL BEARING CAPACITY	BY GEOTECH.
SOIL COMPACTION	BY GEOTECH.
REINFORCING STEEL PLACEMENT	FINAL PLACEMENT
CONCRETE COMPRESSIVE TESTS	MIN. 2 SETS PER 100 m^3
CONCRETE SLUMP	
STRUCTURAL STEEL CONNECTIONS	INSPECT ALL FIELD WELDS
MORTAR CUBES	

ALL TESTING TO BE COMPLETED BY A CERTIFIED INDEPENDENT TESTING AND INSPECTION COMPANY. COPIES OF ALL REPORTS ARE TO BE FORWARDED TO THE ENGINEER FOR REVIEW.

B. DESIGN PARAMETERS

1. REFERENCE FRAMING PLANS FOR DESIGN LOADS OF FLOORS AND ROOFS.
2. BUILDING IMPORTANCE CATEGORY: NORMAL
3. CLIMACTIC DESIGN DATA: CAMBRIDGE, ON

SNOW/WIND	EARTHQUAKE
Ss = 1.6 kPa	Sa (0.2) = 0.141
Sr = 0.4 kPa	Sa (0.5) = 0.084
Cb = 0.8	Sa (1.0) = 0.047
Cw = 1.0	Sa (2.0) = 0.024
Cs = 1.0	Sa (5.0) = 0.0058
Ca = 1.0	Sa (10.0) = 0.0024
q50 = 0.36 kPa	PGA = 0.088
CATEGORY 2	PGV = 0.066
Iw = 1.0	Rd = 1.5
	Ro = 1.3
	IeFaSa (0.20) = 0.23
	SITE CLASS "D" (ASSUMED)

4. ALL ROOF FRAMING ELEMENTS INCLUDING JOISTS, OWSJ AND TRUSSES ARE TO BE DESIGNED FOR WIND UPLIFT IN ACCORDANCE WITH OBC 2012 AND NBC 2015 STRUCTURAL COMMENTARIES USING THE ABOVE NOTED DESIGN PARAMETERS.

C. FOUNDATIONS

1. FOUNDATIONS ARE TO BEAR DIRECTLY ON UNDISTURBED SOIL OR COMPACTED FILL WITH A MINIMUM BEARING CAPACITY OF 150 kPa SLS AND 225 kPa ULS, GEOTECH. ENGINEER TO CONFIRM.
2. REMOVE ALL TOP SOIL, ORGANIC MATERIAL, LOOSE FILL AND OTHER DELETERIOUS MATERIAL FROM THE BUILDING AREA PRIOR TO CONSTRUCTION.
3. PROOF ROLL EXISTING FILL MATERIALS. SOFT AREAS UNCOVERED DURING EXCAVATION SHALL BE SUB-EXCAVATED TO SOUND MATERIAL AND REPLACED WITH CLEAN, FREE DRAINING FILL COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
4. COMPACTED FILL BENEATH FOOTINGS AND FLOOR SLABS SHALL BE COMPACTED IN MAXIMUM 150mm (6") LAYERS.
5. PLACE ALL FOOTINGS EXPOSED TO FREEZING WEATHER MINIMUM 1200mm (4'-0") BELOW GRADE UNLESS OTHERWISE PROTECTED. PROTECT SOIL BELOW AND ADJACENT TO ALL FOOTINGS FROM FREEZING DURING CONSTRUCTION.
6. NECESSARY PRECAUTIONS SHALL BE TAKEN TO ENSURE EXISTING FOOTINGS ARE NOT DISTURBED OR UNDERMINED DURING CONSTRUCTION.
7. BACKFILL AGAINST FOUNDATION WALLS IN SUCH A MANNER THAT THE LEVEL OF BACKFILLING ON ONE SIDE OF THE WALL IS NEVER MORE THAN 500mm (20") HIGHER THAN THE LEVEL ON THE LOWER SIDE OF THE WALL EXCEPT WHERE TEMPORARY SUPPORT FOR THE WALL IS PROVIDED OR THE WALLS ARE DESIGNED FOR SUCH UNEVEN PRESSURES.
8. LOCATE ALL PIERS AND FOOTINGS CONCENTRIC UNDER COLUMNS AND WALLS UNLESS OTHERWISE NOTED.
9. HORIZONTAL CONSTRUCTION JOINTS SHALL NOT OCCUR IN CONCRETE WALLS UNLESS APPROVED BY THE ENGINEER.

D. CONCRETE

1. CONCRETE WORK SHALL CONFORM TO THE MOST RECENT VERSION OF CAN/CSA-A23.1, A23.2 AND A23.3.
2. CONCRETE PROPERTIES: (MINIMUM COMPRESSIVE STRENGTH MEASURED AT 28 DAYS UNLESS NOTED)
   a. ALL CONCRETE UNLESS NOTED OTHERWISE - 20 MPa
   b. SEE CHART FOR CONCRETE TYPES

CONCRETE PROPERTIES

LOCATION	CSA CLASS	28 DAY COMP. STRENGTH MPa	MAX. W/C RATIO	AIR CONTENT %	MAX. AGGREGATE mm	SLUMP mm
FOOTINGS	N	20	NA	NA	20	80 ±30
CONCRETE IN AN UNSATURATED CONDITION EXPOSED TO FREEZING AND THAWING BUT NOT CHLORIDES (EXTERIOR WALLS AND PIERS)	F-2	25	0.55	4-7	20	80 ±30
INTERIOR PIERS AND WALLS	N	25	NA	NA	20	80 ±30
INTERIOR CONCRETE SLABS	N	25	0.50	NA	20	80 ±30
NON-STRUCTURALLY REINFORCED CONCRETE EXPOSED TO CHLORIDES AND FREEZING AND THAWING (SIDEWALKS, EXTERIOR UNREINFORCED SLABS)	C-2	32	0.45	5-8	20	80 ±30
STRUCTURALLY REINFORCED CONCRETE EXPOSED TO CHLORIDES WITH OR WITHOUT FREEZING AND THAWING CONDITIONS. (EXTERIOR SLABS, EXTERIOR WALLS AND PIERS ADJACENT TO SURFACES EXPECTED TO BE SALTED, PARKING GARAGE STRUCTURES)	C-1	35	0.40	5-8	20	80 ±30

SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALL WATERPROOFING REQUIREMENTS

3. CONCRETE DESIGN IS BASED ON COMPRESSIVE STRENGTH. PHYSICAL PROPERTIES (SLUMP, AGGREGATE SIZE, ETC.) TO SUIT INSTALLATION (BY OTHERS) NOT TO AFFECT STRENGTH SPECIFIED.
4. ALL CONCRETE SHALL BE TESTED BY A CSA CERTIFIED CONCRETE TESTING LABORATORY. CONTRACTOR TO PROVIDE COPIES OF TESTING REPORTS TO THE ENGINEER. NOT LESS THAN ONE TEST SHALL BE MADE FOR EACH 100m^3 OF CONCRETE WITH AT LEAST ONE TEST FOR EACH CLASS OF CONCRETE USED. A MINIMUM OF THREE TESTS IS REQUIRED FOR EACH CLASS.
5. SLUMP OF CONCRETE TO BE 80mm +/- 30mm PRIOR TO SUPER PLASTICIZERS BEING ADDED.
6. ALL CONCRETE FORMS ARE TO BE WET THOROUGHLY PRIOR TO PLACING CONCRETE. WATER CURING OF CONCRETE IS RECOMMENDED.
7. DO NOT ADD WATER TO THE CONCRETE.
8. ALL CONCRETE EXCEPT FOR CONCRETE SLABS 150mm (6") OR LESS SHALL BE MECHANICALLY VIBRATED.
9. CONTROL JOINTS IN CONCRETE SLABS ON GRADE ARE TO BE SPACED AT MAXIMUM 30 TIMES THE SLAB THICKNESS NOT TO EXCEED 4500mm (15'-0) AND A DEPTH OF 1/3 THE THICKNESS OF THE SLAB. CUT 50% OF THE REINFORCING STEEL AT CONTROL JOINT LOCATIONS.
10. REINFORCING STEEL SHALL CONFORM TO THE MOST RECENT VERSION OF CAN/CSA-G30.18. REINFORCING BARS SHALL BE DEFORMED, GRADE 400 MPa.
11. MAINTAIN THE FOLLOWING CONCRETE CLEAR COVER TO REINFORCING:
   a. 75mm (3") FOR CONCRETE CAST AGAINST EARTH
   b. 38mm (1 1/2") FOR CONCRETE CAST AGAINST FORMWORK
   c. 64mm (2 1/2") FOR CONCRETE EXPOSED TO DE-ICING CHEMICALS
12. ALL REINFORCING STEEL, DOWELS AND ANCHOR BOLTS ARE TO BE CLEAN AND FREE OF RUST, DIRT, FORM RELEASE AGENT, ETC. PRIOR TO POURING CONCRETE.
13. LAP REINFORCING STEEL AS PER REINFORCING STEEL CHART BELOW (MIN). LAP ALL HORIZONTAL BARS AT CORNERS WITH BENT DOWELS MEETING THE MINIMUM LAP REQUIREMENTS IN BOTH DIRECTIONS. SHOP FABRICATE ALL REINFORCING STEEL TO INCLUDE HOOKS AND BENDS.
14. REINFORCING STEEL, DOWELS AND ANCHOR BOLTS ARE TO BE SECURELY TIED PRIOR TO PLACING CONCRETE. REINFORCING STEEL CHAIRS AND SUPPORTS SHALL BE MADE OF CONCRETE BLOCKS, PLASTIC OR WIRE.
15. DOWELS SHALL MATCH REINFORCING UNLESS NOTED OTHERWISE.
16. INSTALLATION OF ALL PROPRIETARY ANCHORS IS TO BE COMPLETED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS. SPECIALIZED TRAINING MAYBE REQUIRED DEPENDING ON THE PRODUCT. CONTRACTOR IS TO CONTACT THE MANUFACTURER/SUPPLIER TO ARRANGE THE REQUIRED TRAINING.

REINFORCING STEEL MINIMUM LAP LENGTHS

CONCRETE / BAR SIZE	TENSION SPLICE			COMPRESSION EMBEDMENT	REINFORCED MASONRY	
	25 mPa	30 mPa	35 mPa	20 mPa	20 mPa GROUT	NOTE: INCREASE HORIZONTAL SPLICE LENGTHS IN TABLE BY 1.3 WHERE MORE THAN 300mm (12") OF FRESH CONCRETE IS CAST BELOW THE SPLICE.
10M	400 (16")	400 (16")	400 (16")	450 (18")	500 (20")	
15M	600 (24")	600 (24")	600 (24")	650 (26")	750 (30")	
20M	800 (32")	800 (32")	800 (32")	900 (36")	900 (36")	
25M	1200 (48")	1100 (44")	1000 (40")	1370 (54")	1370 (54")	

E. MASONRY

1. MASONRY TO CONFORM TO THE MOST RECENT VERSION OF CAN/CSA-S304.1 AND CSA A371.
2. STRENGTH OF LOAD-BEARING MASONRY UNITS TO BE MINIMUM 15 MPa FOR HOLLOW UNITS BASED ON NET AREA.
3. TYPE 'S' MORTAR SHALL BE USED FOR CONCRETE BLOCK. TYPE 'N' MORTAR SHALL BE USED FOR BRICK AND DECORATIVE BLOCK. GROUT STRENGTH SHALL BE 20 MPa UNLESS NOTED OTHERWISE. MORTAR AND GROUT TO CONFORM TO THE MOST RECENT VERSION OF CSA A179.
4. ALL MASONRY WALLS SHALL BE CONSTRUCTED WITH FULL MORTAR JOINTS.
5. VERTICAL CONTROL JOINTS SHALL BE INSTALLED AT 6000mm (20'-0") SPACING MAXIMUM. REINFORCING SHALL NOT CROSS A CONTROL JOINT. PROVIDE FOAM BACKING ROD AND CAULKING AT CONTROL JOINTS AND ENSURE MORTAR DOES NOT FILL THE JOINT.
6. REINFORCE ALL MASONRY WITH HOT DIP GALVANIZED NO. 9 TRUSS TYPE WIRE REINFORCING AT 400mm (16"). PROVIDE FULL OVERLAP AT ALL INTERSECTIONS AND CORNERS.
7. INSTALLATION OF ALL PROPRIETARY ANCHORS IS TO BE COMPLETED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS. SPECIALIZED TRAINING MAYBE REQUIRED DEPENDING ON THE PRODUCT. CONTRACTOR IS TO CONTACT THE MANUFACTURER/SUPPLIER TO ARRANGE THE REQUIRED TRAINING. ADHESIVE ANCHORS INTO HOLLOW CONCRETE BLOCK ARE TO BE INSTALLED WITH SCREEN TUBES.
8. ALL STEEL BEAMS AND JOISTS SHALL BE SUPPORTED BY BEARING PLATES DESIGNED TO THE MOST RECENT VERSION OF CAN/CSA S16. BEARING PLATES SHALL HAVE MINIMUM 2-12mm (1/2") DIAMETER x 450mm (18") LONG ANCHORS WITH 50mm (2") HOOK.
9. ALL MASONRY UNDER CONCENTRATED LOADS SHALL BE FILLED SOLID WITH GROUT FOR A WIDTH AND DEPTH EQUAL TO 3 TIMES THE LENGTH OF BEARING. WHERE OPEN WEB STEEL JOISTS OR BEAMS BEAR ON UNREINFORCED MASONRY WALLS PROVIDE 1-15M VERTICAL x 1200 (48") LONG UNDER BEARING PLATE.
10. ALL MASONRY WALLS ARE TO BE ADEQUATELY BRACED DURING CONSTRUCTION UNTIL THE FLOOR AND ROOF STRUCTURES ARE IN PLACE. BRACING SHALL BE DESIGNED, REVIEWED AND APPROVED BY CONTRACTOR'S ENGINEER. SHOP DRAWINGS SHALL BE SUBMITTED WITH P. ENG. STAMP FOR OUR REVIEW PRIOR TO CONSTRUCTION.
11. ALL MASONRY INSTALLED ABOVE PARAPETS OR BELOW GRADE ARE TO BE FULLY GROUTED.
12. FOR MASONRY OPENINGS NOT SHOWN ON THE FRAMING PLANS UP TO 1200mm (48") WIDE, PROVIDE ONE L89x89x6.4 (L3.5x3.5x0.25) FOR EACH 90mm (3 1/2") THICKNESS OF MASONRY.
13. PROVIDE DOWELS FROM THE FOUNDATION WALL TO MASONRY WALLS TO MATCH VERTICAL REINFORCING SPACING AND SIZE.
14. PROVIDE 15M BAR GROUTED INTO EACH EMPTY CORE 200mm (8") O.C. CONTINUOUS BEHIND EACH ELEVATOR INSERT.
15. REINFORCED MASONRY
   a. GROUT ALL REINFORCED CELLS SOLID AS PER NOTE 3. REINFORCED CELLS TO BE KEPT CLEAR OF MORTAR.
   b. PROVIDE (1) FULL HEIGHT VERTICAL REBAR EACH SIDE OF CONTROL JOINTS, OPENINGS, INTERSECTIONS AND ENDS OF WALLS.
   c. LAP ALL REINFORCING AS PER REINFORCING STEEL CHART ABOVE (MIN.)

F. STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO THE MOST RECENT VERSION OF CAN/CSA-S16 AND THE CISC CODE OF STANDARD PRACTICE.
2. STRUCTURAL STEEL SHALL CONFORM TO THE MOST RECENT VERSION OF CAN/CSA G40.20, G40.21 GRADE 350W CLASS C FOR H.S.S., G40.21 GRADE 350W FOR W SHAPE SECTIONS AND G40.21 GRADE 300W FOR CHANNELS, ANGLES AND MISCELLANEOUS METAL.
3. BOLTED CONNECTIONS SHALL USE GRADE A325 BOLTS.
4. ANCHOR BOLTS SHALL BE FABRICATED USING STEEL ROD CONFORMING TO THE MOST RECENT VERSION OF CSA G40.21 GRADE 300W.
5. WELDING SHALL CONFORM TO CSA W59 AND CSA W47 DIVISION 1 OR DIVISION 2.1 BY THE CANADIAN WELDING BUREAU. WELDING SHALL BE COMPLETED BY CWB CERTIFIED FABRICATOR AND ERECTOR TO THE CSA STANDARDS W178.1 AND W178.2.
6. WHERE FORCES ARE NOT SHOWN ON THE DRAWINGS BEAM REACTIONS SHALL BE 1/2 THE TOTAL UNIFORM DISTRIBUTED FACTORED LOADS NOTED IN THE BEAM LOAD TABLES OF PART 5 OF THE CISC'S HANDBOOK OF STEEL CONSTRUCTION.
7. COLUMN BEARING GROUT SHALL BE 40 MPa MINIMUM, NON-SHRINK AND 38mm (1 1/2") MINIMUM THICK.
8. STRUCTURAL STEEL MEMBERS SHALL NOT BE SPLICED WITHOUT THE APPROVAL OF THE ENGINEER.
9. STEEL BEAMS AND LINTELS SHALL HAVE MINIMUM 200mm (8") BEARING ON MASONRY UNLESS OTHERWISE NOTED. WELD BEAMS AND LINTELS TO BEARING PLATES WHERE PROVIDED WITH MINIMUM 4.8mm x 50mm (3/16"x2") FILLET WELD EACH SIDE.
10. PROVIDE 2-10mm (3/8") STIFFENER PLATES EACH SIDE OF BEAMS CANTILEVERED OVER COLUMNS OR SUPPORTS OR SUPPORTING COLUMNS.
11. ALL ROOF OPENINGS IN METAL DECK ARE TO BE REINFORCED WITH C130x10 (C5x6.7) CHANNEL FRAMES UNLESS NOTED OTHERWISE.
12. ALL COLUMNS EMBEDDED IN OR ADJACENT TO MASONRY WALLS SHALL HAVE ADJUSTABLE ANCHORS AT 400mm (15 7/8") O.C.
13. ALL STRUCTURAL STEEL IS TO BE SHOP PRIME PAINTED UNLESS NOTED OTHERWISE. STRUCTURAL STEEL WHICH IS TO BE PROTECTED WITH SPRAY APPLIED FIREPROOFING IS TO BE KEPT CLEAN AND UNCOATED. STRUCTURAL STEEL EXPOSED TO WEATHER IS TO BE HOT DIP GALVANIZED CONFORMING TO CAN/CSA-G164. ALL COATINGS ARE TO BE TOUCHED UP ON SITE WITH APPROVED PAINT FOR PRIMED STEEL AND ZINC RICH PAINT FOR GALVANIZED STEEL.
14. DESIGN METAL DECK IN CONFORMANCE TO THE MOST RECENT VERSION OF CAN/CSA-S136 INCLUDING SUPPLEMENT CAN/CSA-S136S1.
15. ROOF DECK SHALL BE MINIMUM 38mm x 0.76mm (1 1/2"x0.030") LZC UNLESS NOTED OTHERWISE. FLOOR DECK SHALL BE MINIMUM 38mm x 0.76mm (1 1/2"x0.030") LZC HI-BOND UNLESS NOTED OTHERWISE.
16. WELDS FROM DECK TO STRUCTURAL STEEL SHALL BE MINIMUM 19mm (3/4") DIA. PUDDLE WELD AT THE FOLLOWING MINIMUM SPACING:
   a. TRANSVERSE WELDS 300mm (12")
   b. PERIMETER WELDS 300mm (12")
   c. LONGITUDINAL WELDS 600mm (24")
   d. BUTTON PUNCH ALL SEAMS AT 300mm (12") O.C.
17. DECK OVERLAP AND MINIMUM BEARING LENGTH TO BE MINIMUM 50mm (2").
18. DECK WELDS SHALL BE TOUCHED UP WITH APPROVED PAINT.

G. LIGHT GAUGE STRUCTURAL STEEL FRAMING

1. DESIGN AND INSTALLATION OF COLD FORM STEEL FRAMING TO CONFORM TO THE MOST RECENT VERSION OF CAN/CSA-136.
2. DESIGN OF COLD FORM STEEL FRAMING TO BE AS PER THE GRAVITY AND LATERAL LOADS SPECIFIED ON THE DRAWINGS AND AS PER THE ONTARIO BUILDING CODE. FOR STUDS BRACING MASONRY VENEER THE DEFLECTION CRITERIA SHALL CONFORM TO THE MOST RECENT VERSION OF CSA S304.1.
3. THE COLD FORM STEEL FRAMING DESIGN ENGINEER SHALL VISIT THE SITE TO PROVIDE FINAL CONSTRUCTION CERTIFICATION FOR THE WORK.
4. COLD FORM STEEL MEMBERS SHALL CONFORM TO THE MOST RECENT VERSION OF ASTM A653. MEMBERS WITH THICKNESS OF 18 Ga. OR LIGHTER TO BE MINIMUM 230 MPa (33 ksi) YIELD STRENGTH. MEMBERS HEAVIER THAN 18 Ga. TO BE MINIMUM 345 MPa (50 ksi).
5. PROVIDE BRICK TIES WITH CORROSION RESISTANCE CONFORMING TO THE MINIMUM REQUIREMENTS OF THE MOST RECENT VERSION OF CAN/CSA A370 - CONNECTORS FOR MASONRY.

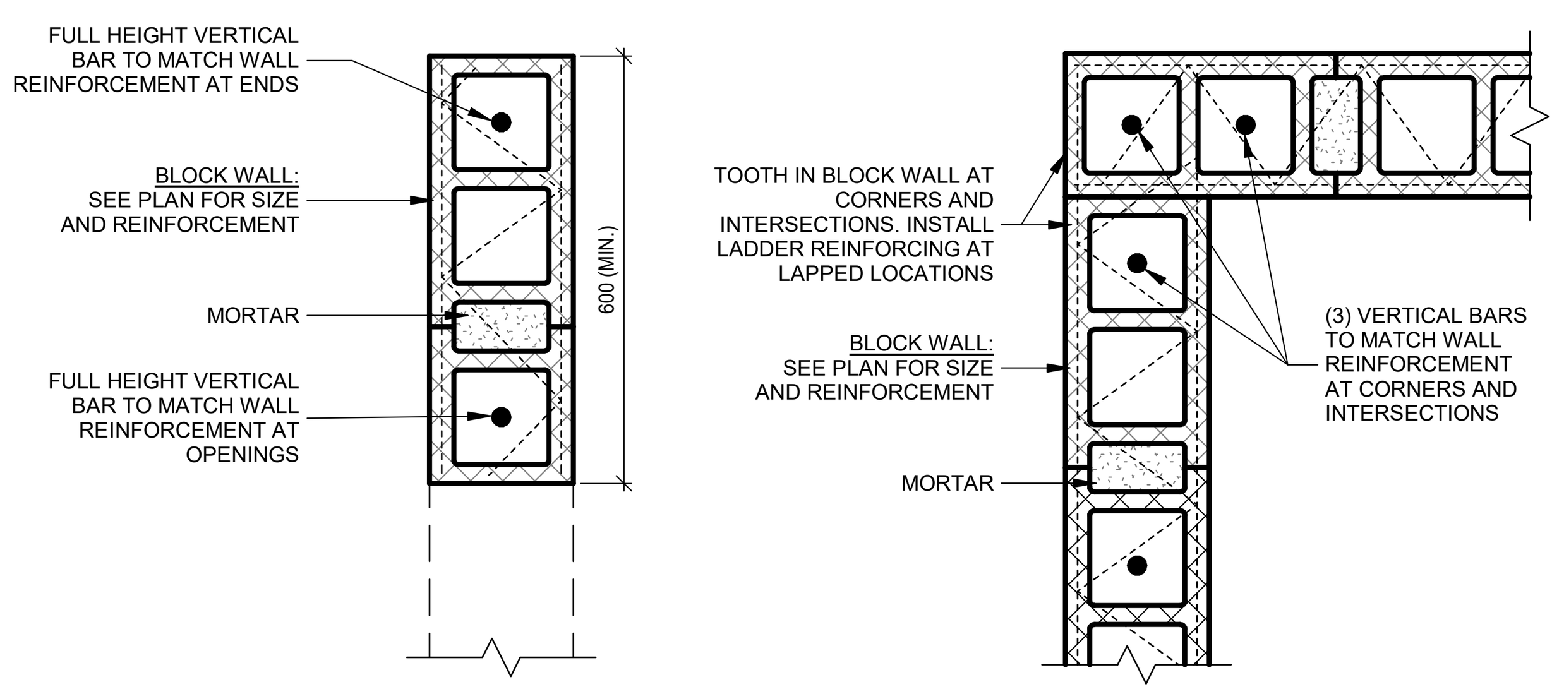
SHOP DRAWINGS REQUIRED

NAME	REQ'D	P.ENG. STAMP	MIN. CERTIFICATION REQUIREMENTS:
CONCRETE MIX DESIGN	YES	NO	
REBAR	YES	NO	
STRUCTURAL STEEL	YES	YES	CONNECTIONS ONLY
STEEL STUD FRAMING	YES	YES	MATERIALS, CONNECTIONS, BRACING AND BRIDGING
STEEL DECK	YES	YES	WELDS, MATERIALS AND FINISHES
MISCELLANEOUS STEEL	YES	YES	STAIRS, LADDERS AND GUARDS
ELEVATOR / LIFT	YES	YES	LAYOUT AND CONNECTIONS
ACM PANEL	YES	NO	FASTENING, FLASHING, AND PROFILE

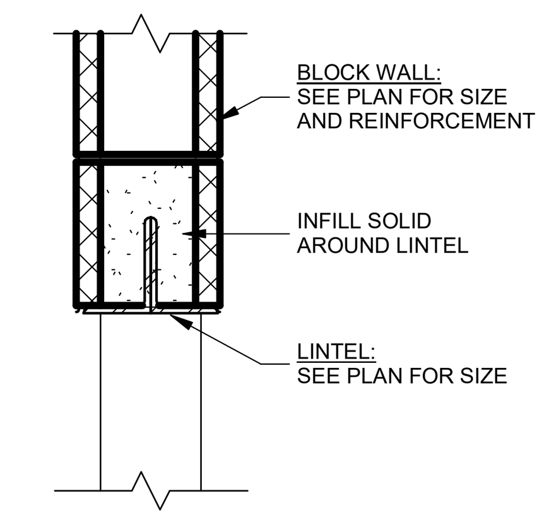
SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS MUST BE REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR PRIOR TO ISSUING TO THE ENGINEER FOR REVIEW.

SHEETS LIST

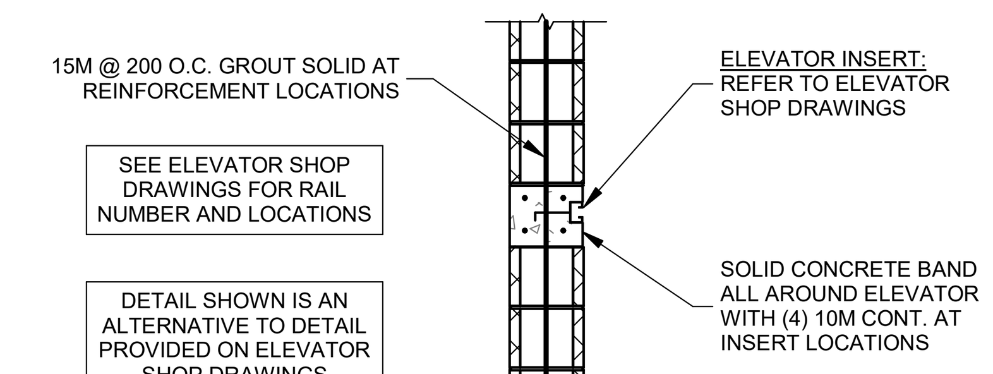
SHEET NO.	SHEET NAME	REV.
S0.0	GENERAL NOTES & TYP. DETAILS	1
S2.0	PARTIAL ROOF FRAMING PLAN - BLOCK 'B'	1
S0.1	KEY PLANS	1
S1.0	ELEVATOR FRAMING & FOUNDATION PLANS	1
S1.1	ELEVATOR SECTIONS	1
S1.2	ELEVATOR SECTIONS	1
S1.3	EX. OWSJ REINFORCEMENT	1
TOTAL PAGES: 7		



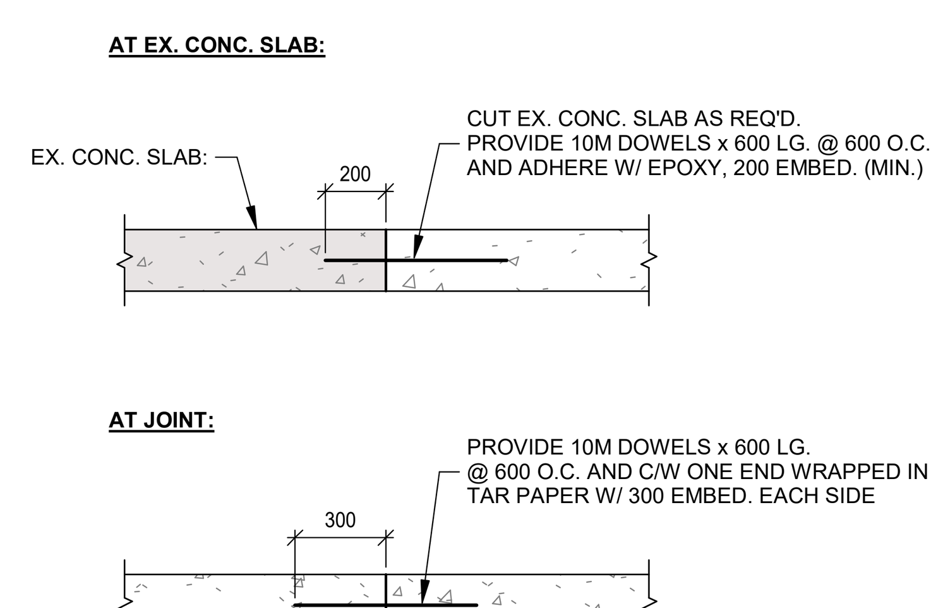
A DETAIL (TYP.) 1 : 10
S0.0 BLOCK WALL BARS



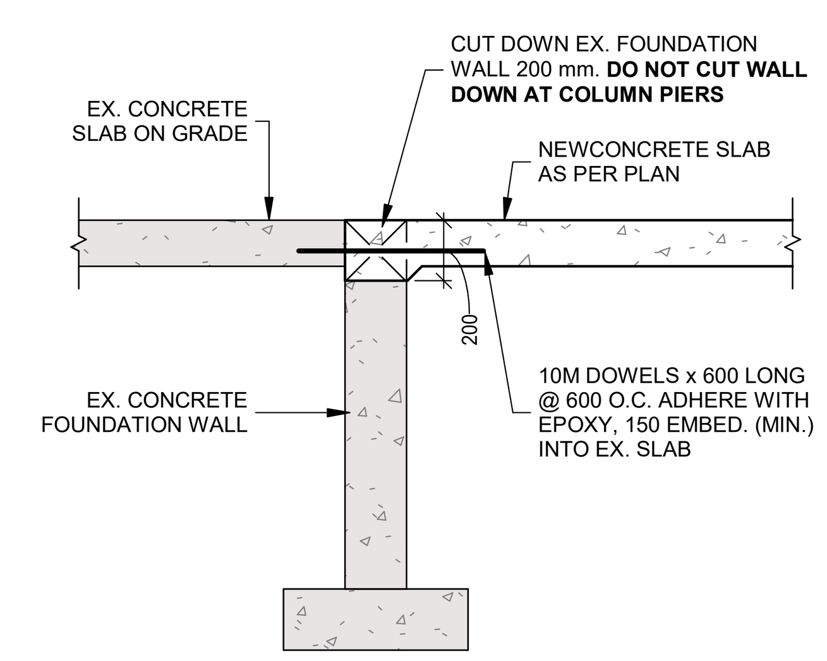
B DETAIL (TYP.) 1 : 10
S0.0 BLOCK WALL LINTEL



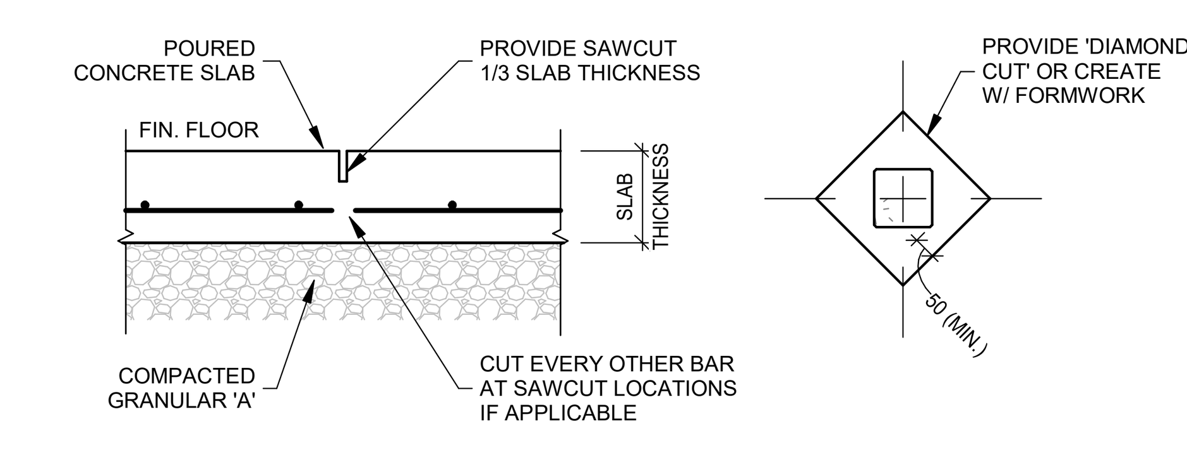
C DETAIL (TYP.) 1 : 25
S0.0 ELEVATOR RAIL INSERT



D DETAIL (TYP.) 1 : 25
S0.0 SLAB DOWEL

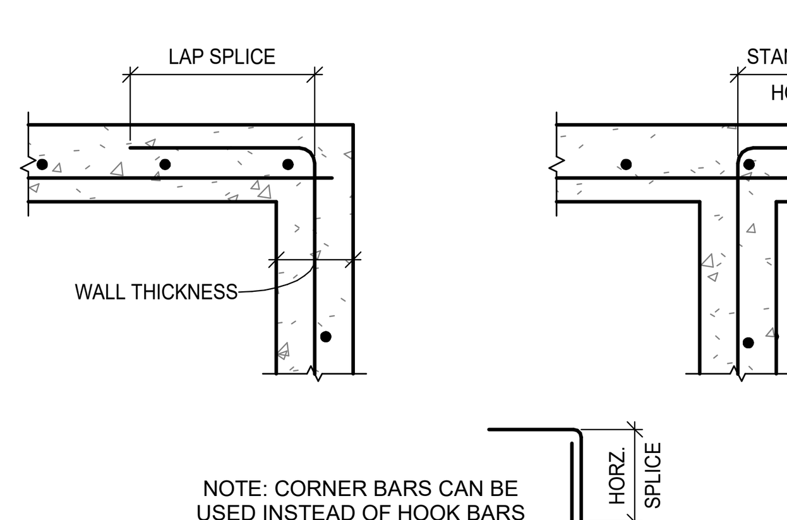


E DETAIL (TYP.) 1 : 25
S0.0 SLAB ON GRADE @ EXISTING FOUNDATION

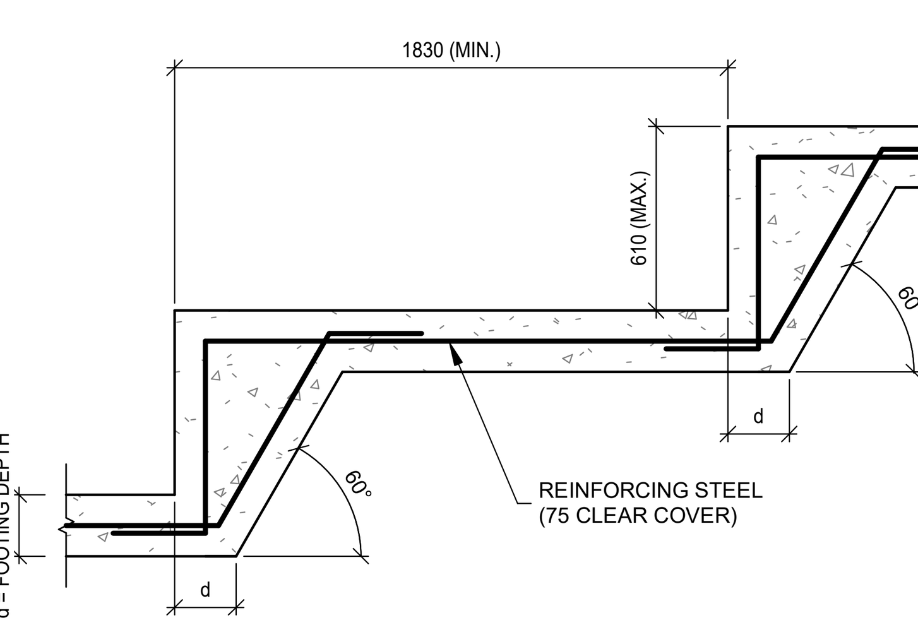


NOTE:
1. SAW CUTTING SHALL BE COMPLETED WITHIN 6 TO 18 HOURS OF PLACING CONCRETE.
2. AFTER THE SLAB IS 30 DAYS OLD, REMOVE ALL DEBRIS FROM THE SAWCUT AND FILL IN WITH MORTAR CONTAINING CEMENT, SAND AND LATEX BONDING AGENT **OR AS NOTED IN SPECIFICATIONS**.
3. COORDINATE LOCATIONS OF SAWCUTS IN SLAB ON GRADE WITH ARCHITECTURAL FLOOR FINISHES.
4. SAWCUT SLAB ON GRADE AT COLUMNS AS SHOWN ABOVE. ALTERNATE DETAILS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW, WELL IN ADVANCE OF POURING SLAB ON GRADE.

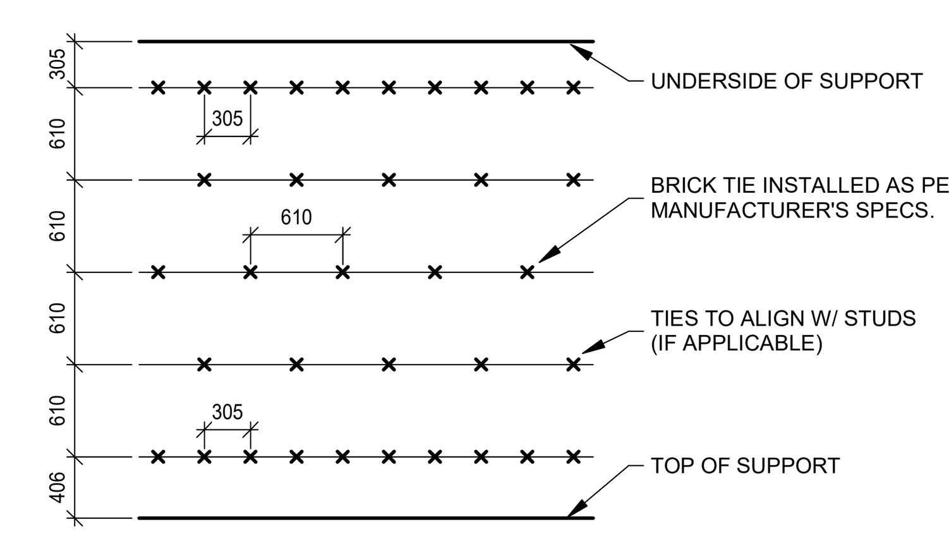
F DETAIL (TYP.) 1 : 25
S0.0 SLAB ON GRADE SAWCUT



G DETAIL (TYP.) 1 : 25
S0.0 CORNER REINFORCEMENT



H DETAIL (TYP.) 1 : 25
S0.0 STEP FOOTING



J DETAIL (TYP.) 1 : 50
S0.0 BRICK TIE SPACING

THE CONTRACTOR MUST VERIFY ALL DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT, BEFORE PROCEEDING WITH THE WORK.

DRAWINGS ARE NOT TO BE SCALED.

No.	REVISIONS	DATE
1	ISSUED FOR PERMIT / TENDER	2025.02.24

CHRONOLOGY	DATE

WitzelDyce ENGINEERING INC.
826 King Street North, Unit 20
Waterloo, Ontario, N2J 4G8
www.witzeldyce.com

aba architects inc.

CLIENT: WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 MCKAY STREET, CAMBRIDGE, ON N1R 4G8

DRAWING TITLE
GENERAL NOTES & TYP. DETAILS

SCALE: As indicated
SHEET SIZE: 24X36
PROJECT NUMBER: 14939-201
DRAWING NUMBER: S0.0

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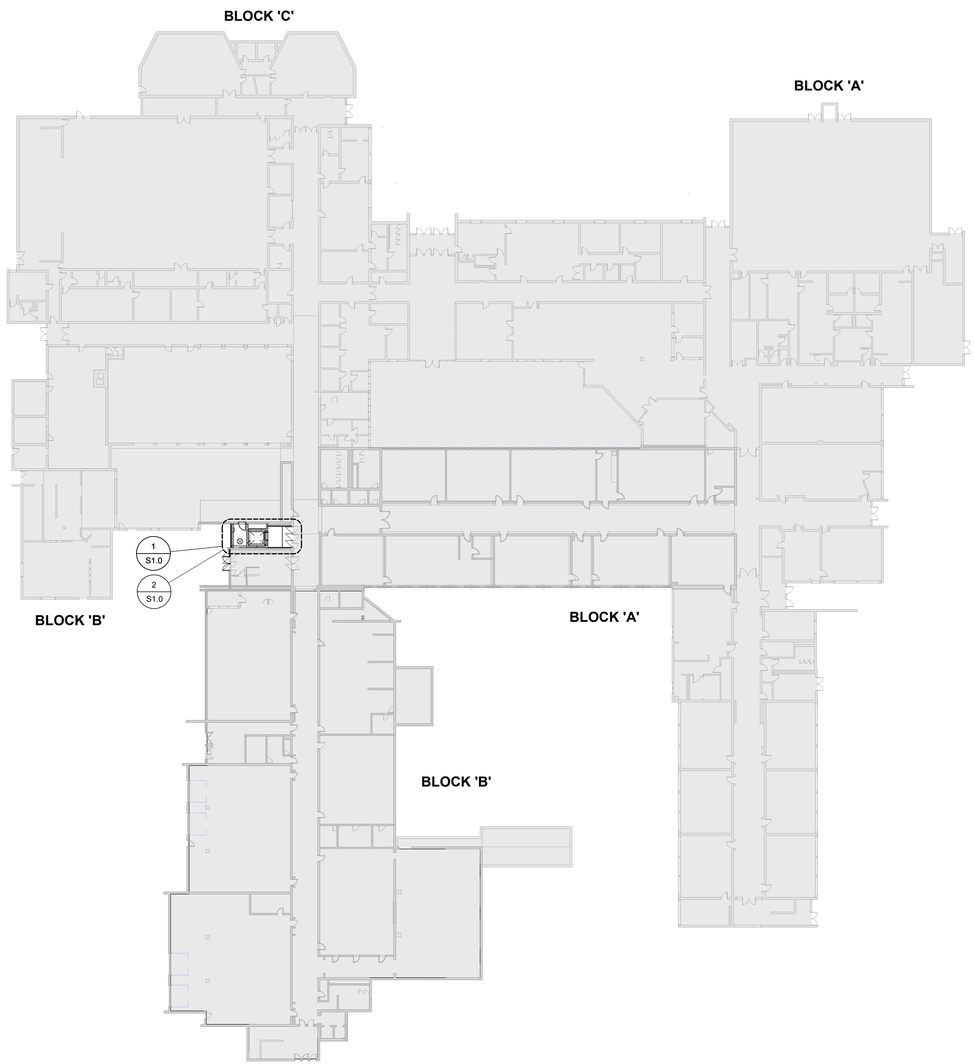
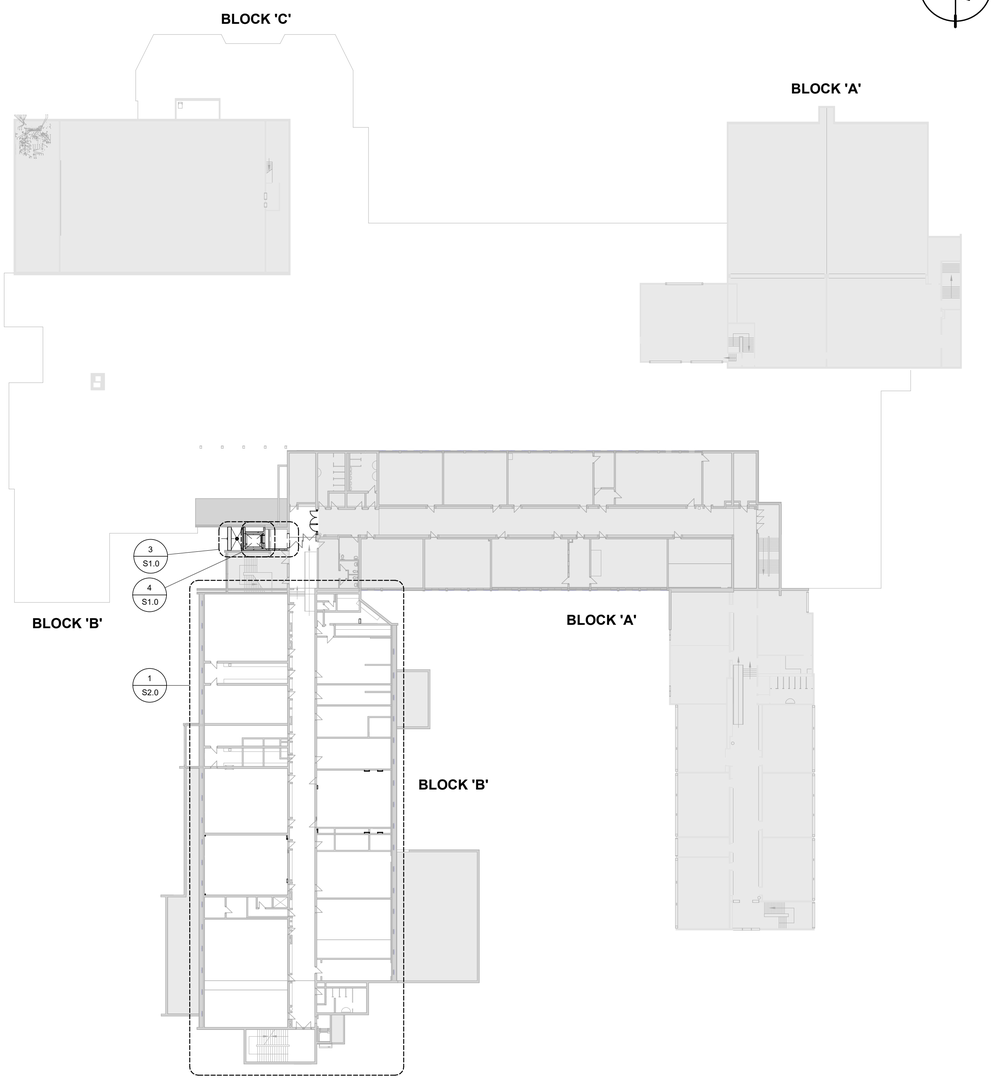


LEVEL 1 KEY PLAN

1 : 400



LEVEL 2 KEY PLAN

1 : 400

No.	REVISIONS	DATE
1	ISSUED FOR PERMIT / TENDER	2025.02.24

LICENSED PROFESSIONAL ENGINEER
D. G. WATERS
100543905
Feb 24, 2025
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

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Waterloo, Ontario, N2J 4G8
www.witzeldyce.com

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101 Randall Drive, Unit 9, Waterloo ON, N2, 519 884 2711 www.abaarchitect.ca

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 MCKAY STREET, CAMBRIDGE, ON N1R 4G8

DRAWING TITLE

KEY PLANS

SCALE: 1 : 400

SHEET SIZE: 24X36

PROJECT NUMBER: 14939-201

DRAWING NUMBER: S0.1

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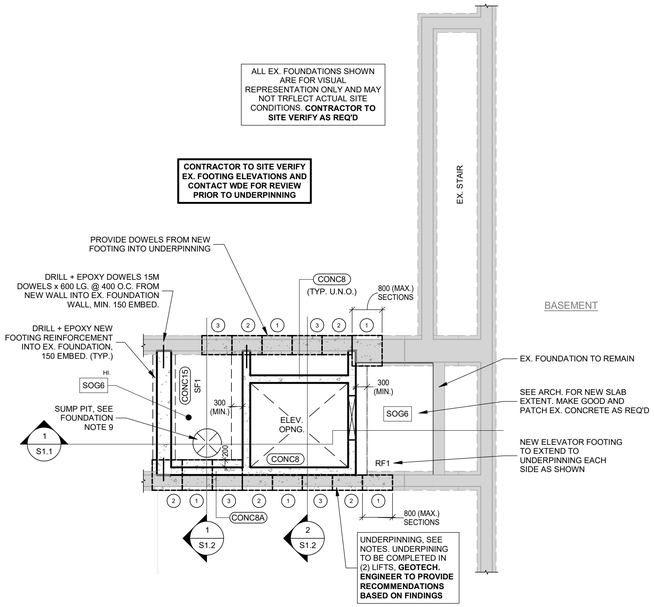
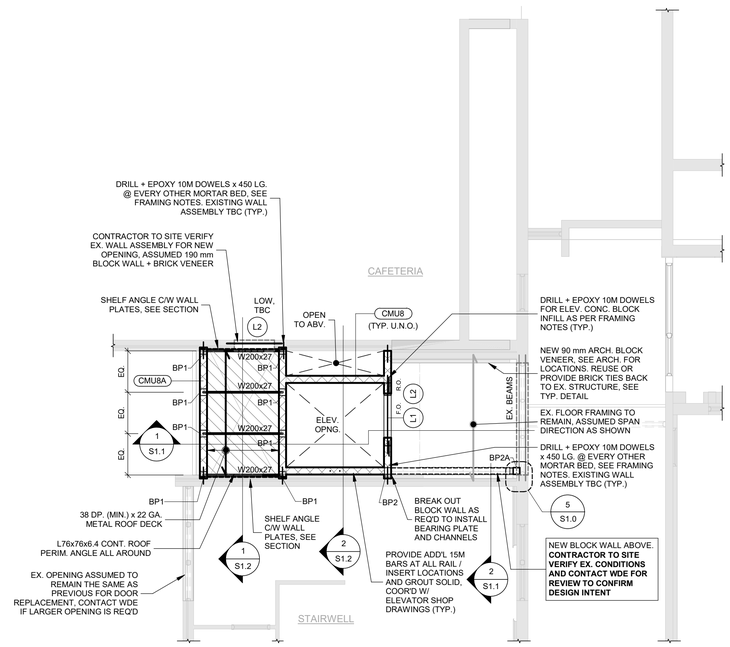
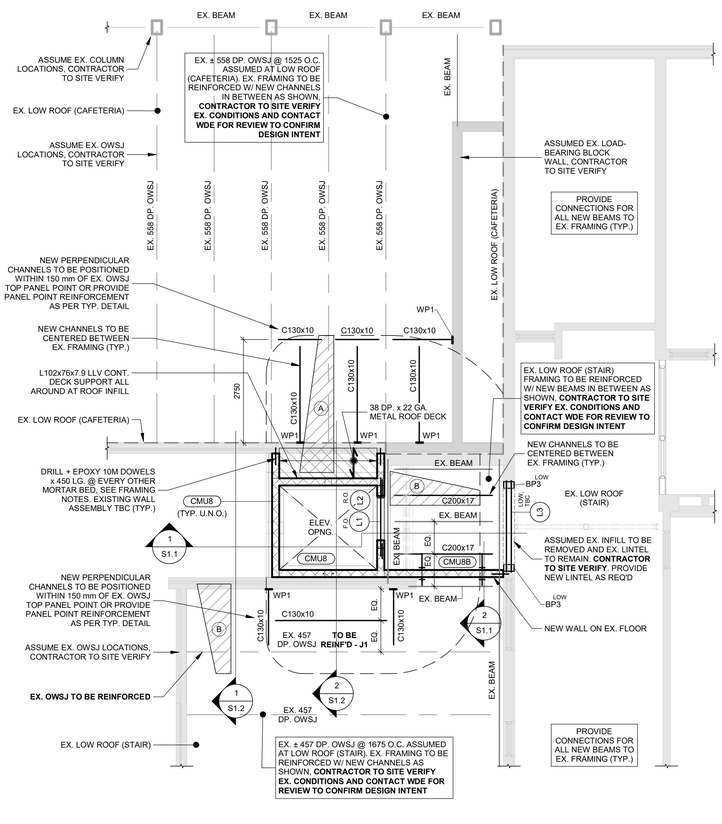


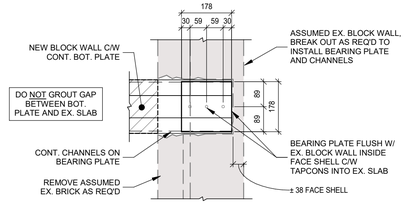
1 S1.0 PARTIAL FOUNDATION PLAN 1 : 75
FOUNDATION PLAN



2 S1.0 PARTIAL FRAMING PLAN 1 : 75
EX. LEVEL 2 & NEW LOW ROOF FRAMING PLAN



3 S1.0 PARTIAL FRAMING PLAN 1 : 75
EX. ROOF FRAMING PLAN

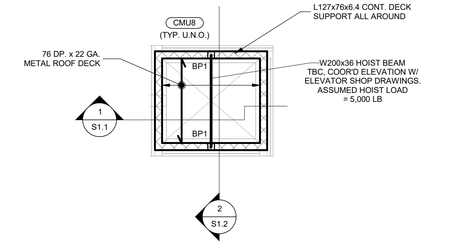


5 S1.0 DETAIL 1 : 10
BEARING PLATE

CONTRACTOR TO PROVIDE TEMPORARY SHORING AS REQ'D, SUBMIT P.ENG. STAMPED SHOP DRAWINGS FOR REVIEW

CONTRACTOR TO SITE VERIFY ALL EX. CONDITIONS

ASSUMED EX. CONDITIONS AS SHOWN. CONTRACTOR TO SITE VERIFY FRAMING / FOUNDATIONS AND REPORT BACK TO WDE IF SITE CONDITIONS VARY



4 S1.0 PARTIAL FRAMING PLAN 1 : 75
ELEVATOR ROOF FRAMING PLAN

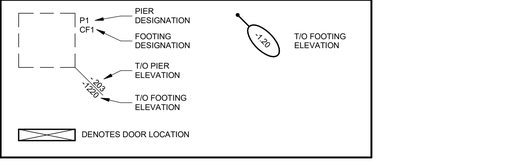
FOUNDATION NOTES

1. ALL ELEVATIONS ARE IN METRES.
2. REFER TO ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ALL SLAB DEPRESSIONS, SLOPES, OPENINGS, AND UNDER SLAB INSULATION REQUIREMENTS.
3. PROVIDE SAW CUTS AS PER GENERAL NOTES AND TYP. DETAIL.
4. AT ALL SLAB ON GRADE COLD JOINTS OR WHERE CONCRETE SLAB ON GRADE IS PLACED IN SECTIONS, THE CONTRACTOR SHALL PROVIDE 13Ø DOWELS x 600 LG. SPACED AT 600 O.C. WITH ONE END GREASED OR WRAPPED IN TAR PAPER, SET INTO CONCRETE SLAB 300 mm EACH SIDE.
5. DROP TOP OF FOUNDATION WALLS BY THE THICKNESS OF THE FLOOR SLAB AT DOOR OPENINGS. POUR SLAB OVER AS PER SECTIONS.
6. CONTRACTOR TO PROTECT FOUNDATIONS AND SOIL FROM FROST DURING CONSTRUCTION.
7. STEP INTERIOR FOOTINGS TO MATCH EXTERIOR FOOTING DEPTH TYPICAL AT ALL LOCATIONS.
8. COORDINATE MECHANICAL, ELECTRICAL AND CIVIL SLEEVES, PIPES AND CONDUITS PRIOR TO CONCRETE POUR.
9. CONFIRM W/ MECH. DRAWINGS FOR SUMP PIT LOCATION AND ELEVATION. LOCATE AWAY FROM FOOTINGS AND BACKFILL W/ LEAN MIX CONCRETE.
10. STEP FOOTINGS FOR STORM INVERTS AS REQUIRED.
11. TOP OF FOOTING ELEVATIONS GIVEN ARE A MINIMUM DEPTH. CONTRACTOR TO ENSURE THAT FOOTINGS BEAR ON SOIL APPROVED BY QUALIFIED SOILS ENGINEER.
12. PROVIDE LEAN MIX CONCRETE TO FILL EXCAVATIONS TO THE U/S OF ADJACENT BUILDING FOOTING ELEVATIONS.

ABBREVIATIONS

E.F.	EACH FACE
E.W.	EACH WAY
H.I.F.	HORIZONTAL INSIDE FACE
H.O.F.	HORIZONTAL OUTSIDE FACE
HORIZ.	HORIZONTAL
S.F.	STEP FOOTING
V.I.F.	VERTICAL INSIDE FACE
V.O.F.	VERTICAL OUTSIDE FACE
VERT.	VERTICAL
TLL	TOP LOWER LAYER
TUL	TOP UPPER LAYER
BLL	BOTTOM LOWER LAYER
BUL	BOTTOM UPPER LAYER

ANNOTATION LEGEND



ELEVATOR FOUNDATION NOTES

1. UNDERPINNING TO BE COMPLETED IN SECTIONS. SEQUENCING OF SECTIONS ARE SHOWN. EXCAVATE AND POUR ONE SEQUENCE IN THE SAME DAY THEN WAIT 24 HOURS (MIN.) FOR CONCRETE TO CURE UNTIL EXCAVATING AND POURING THE NEXT SEQUENCE.
2. CONTRACTOR TO ENSURE THAT EXISTING FOOTINGS ARE NOT UNDERMINED DURING NEW ELEVATOR PIT FOUNDATION CONSTRUCTION, PROVIDE SHORING AS NECESSARY.
3. CONTACT GEOTECHNICAL ENGINEER TO REVIEW SOIL CONDITION AND UNDERPINNING PROCEDURE AND DESIGN PRIOR TO CONSTRUCTION.
4. CONTRACTOR MAY HAVE TO RETAIN A DEWATERING DESIGN, CONTACT GEOTECH. ENGINEER FOR REVIEW AS NOTED.
5. MAX. LENGTH OF SECTIONS AS PER PLAN.

(1) DENOTES SEQUENCING OF UNDERPINNING SECTIONS

FOUNDATION WALL SCHEDULE

WALL	WIDTH	REINFORCEMENT
CONC8	203	20M @ 400 O.C.V.I.F. + 20M @ 300 O.C. H. I.F.
CONC8A	203	15M @ 600 O.C. E.W. CENTERED
CONC15	381	(2) 15M CONT. TOP + 15M @ 400 O.C. E.W. CENTERED, SEE SECTION
ALL WALLS TO HAVE (2) 15M CONT. TOP		

SLAB-ON-GRADE SCHEDULE

FLOOR	THICKNESS	REINFORCEMENT
SOG6	150	6x6 x 6/6 W.W.M.

FOOTING SCHEDULE

FOOTING	SIZE	REINFORCEMENT
RF1	x400D	15M @ 300 O.C. E.W. TOP + BOT.
SF1	600x200	(2) 15M CONT. BOT.

FRAMING NOTES

GENERAL NOTES:
1. ALL ROOFTOP UNITS TO BE FRAMED WITH C130x10 (TYP. U.N.O.) REFER TO MECHANICAL DRAWINGS FOR EXACT UNIT LOCATION AND SIZE.
2. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ROOF DRAIN LOCATIONS AND ROOF SLOPES.
3. WELDS FROM ROOF DECK TO STRUCTURAL STEEL SHALL BE MINIMUM 19Ø PUDDLE WELDS AT THE FOLLOWING MINIMUM SPACINGS (U.N.O.); 36/4 (900/150) - TRANSVERSE PUDDLE WELDS @ 300 O.C.
   - PERIMETER WELDS @ 300 O.C.
   - BUTTON PUNCH ALL SEAMS @ 300 O.C.
4. PROVIDE L76x76x6.4 AT MID SPAN OF BEAM FROM BOTTOM FLANGE OF BEAM TO TOP CHORD OF ADJACENT JOIST WHERE SHOWN.
5. REFER TO SCHEMATIC ELEVATIONS FOR GIRTS AND BRACING DIRECTIONS.

METAL DECK NOTES:
1. ROOF DECK TO BE 38 THK. STEEL DECK (TYP. U.N.O.) PROVIDE P.ENG. STAMPED SHOP DRAWINGS FOR REVIEW.
2. PROVIDE L76x76x6.4 CONT. AROUND ROOF PERIMETER (TYP. U.N.O.)
3. ROOF ELEVATIONS AROUND PERIMETER TO BE 0 mm U.N.O., COORD W/ ARCH. DRAWINGS

BLOCK WALL NOTES:
1. GENERAL CONTRACTOR TO COORDINATE MASONRY WALL THICKNESS WITH ARCHITECTURAL DRAWINGS SET.
2. GROUT SOLID BELOW ALL BEARING PLATES FOR MINIMUM DEPTH OF 1200mm W/ (1) 15M x 1200 LONG DOWEL U.N.O. SEE NOTE E.8 ON S0.0.
3. PROVIDE (3) 15M VERTICAL AT ALL CORNERS IN BLOCK WALLS (TYP. U.N.O.)
4. PROVIDE (1) 15M VERTICAL AT EDGES OF ALL OPENINGS IN BLOCK WALLS (TYP. U.N.O.)
5. GROUT SOLID AT ALL DOWELS AND REINFORCING LOCATIONS.
6. DRILL + EPOXY 10M DOWELS x 450 LG. @ 400 O.C. (AT EVERY OTHER MORTAR BED) C/W HILTI HY-270 EPOXY INTO EX. CONCRETE BLOCK, 150 EMBED. (MIN.) PROVIDE SCREEN TUBES AS REQ'D. TYPICAL OF ALL NEW BLOCK WALLS ADJACENT EX. BLOCK WALL.
7. ALL CONCRETE BLOCK WALLS TO HAVE CONTROL JOINTS AS PER CSA S304 AND A371 (TYP. ALL CONCRETE BLOCK).

EX. VESTIBULE / CORR. FLOOR DESIGN LOADS

LIVE LOAD	= 4.8 kPa
DEAD LOAD	= 3.6 kPa
	+ 1.0 kPa (PARTITIONS)

NEW ROOF DESIGN LOADS

LOW ROOF / ROOF INFILL
SNOW LOAD = 5.65 kPa
DEAD LOAD = 1.0 kPa

ELEVATOR ROOF
SNOW LOAD = 1.96 kPa
DEAD LOAD = 1.0 kPa

CONCRETE BLOCK WALL SCHEDULE

WALL	WIDTH	WEIGHT	COMP. STRENGTH	FULLY GROUTED	VERT. REINFORCING
CMU8	190	STANDARD	15 MPa	AT REINFORCEMENT	15M @ 400 O.C.
CMU8A	190	STANDARD	15 MPa	AT REINFORCEMENT	15M @ 800 O.C.
CMU8B	190	LIGHTWEIGHT	15 MPa	AT REINFORCEMENT	15M @ 1200 O.C.

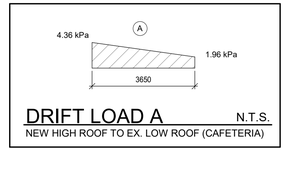
- SEE BLOCK WALL FRAMING NOTES.
- ALL WALLS TO HAVE CORES GROUTED SOLID AT REINFORCING STEEL LOCATIONS
- PROVIDE ADDITIONAL BARS AT CORNERS, OPENINGS, AND END OF WALLS AS PER BLOCK WALL FRAMING NOTES, SEE TYP. DETAIL.
- **REINFORCE ALL MASONRY WITH HOT DIP GALVANIZED NO. 9 TRUSS TYPE WIRE REINFORCING @ 400 O.C. PROVIDE FULL OVERLAP AT ALL INTERSECTIONS AND CORNERS.**
- ALL WALLS TO HAVE TOP (2) COURSES GROUTED SOLID AND ALL WALLS ABOVE ROOF LEVEL TO BE GROUTED SOLID.
- ALL WALLS TO BE TOOTHED INTO ADJACENT WALL.
- **PROVIDE 15M BAR GROUTED INTO EACH EMPTY CORE @ 200 (8") O.C. CONTINUOUS BEHIND EACH ELEVATOR INSERT, SEE TYP. DETAIL.**
- PROVIDE BRACING AT TOP OF BLOCK WALLS , SEE TYP. DETAILS U.N.O.

LINTEL SCHEDULE

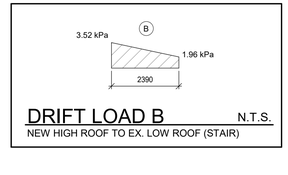
LINTEL	SIZE	END BEARING
L1	(2) L89x89x7.9	200 EACH END
L2	(2) L127x89x7.9 LLV.	200 EACH END
L3	(2) W200x27 + 9.5 PL.	BP AS PER PLAN

BEARING / WALL PLATE SCHEDULE

PLATE	SIZE	ANCHORS
BP1	178x178x19	(1) 15M x 600 LG. WELDED TO U/S BP
BP2	178x178x22	(1) 15M x 600 LG. WELDED TO U/S BP
BP2A	178x178x22	(3) 6.4Ø x 57. LG. TAPCONS INTO EX. SLAB
BP3	178x278x19	GROUT SOLID AROUND LINTEL
WP1	178x178x9.5	(2) 13Ø x 100 LG. HILTI HY-270 ANCHORS, PROVIDE SCREEN TUBES @ EX. UNGROUTED BLOCK WALLS



DRIFT LOAD A N.T.S.
NEW HIGH ROOF TO EX. LOW ROOF (CAFETERIA)



DRIFT LOAD B N.T.S.
NEW HIGH ROOF TO EX. LOW ROOF (STAIR)

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR PERMIT / TENDER	2025.02.24

LICENSED PROFESSIONAL ENGINEER
D. G. WATERS
100543905
Feb 25, 2025
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

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www.witzeldyce.com

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CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 MCKAY STREET, CAMBRIDGE, ON N1R 4G8

DRAWING TITLE
ELEVATOR FRAMING & FOUNDATION PLANS

SCALE: As indicated
SHEET SIZE: 24X36
PROJECT NUMBER: 14939-201
DRAWING NUMBER: S1.0

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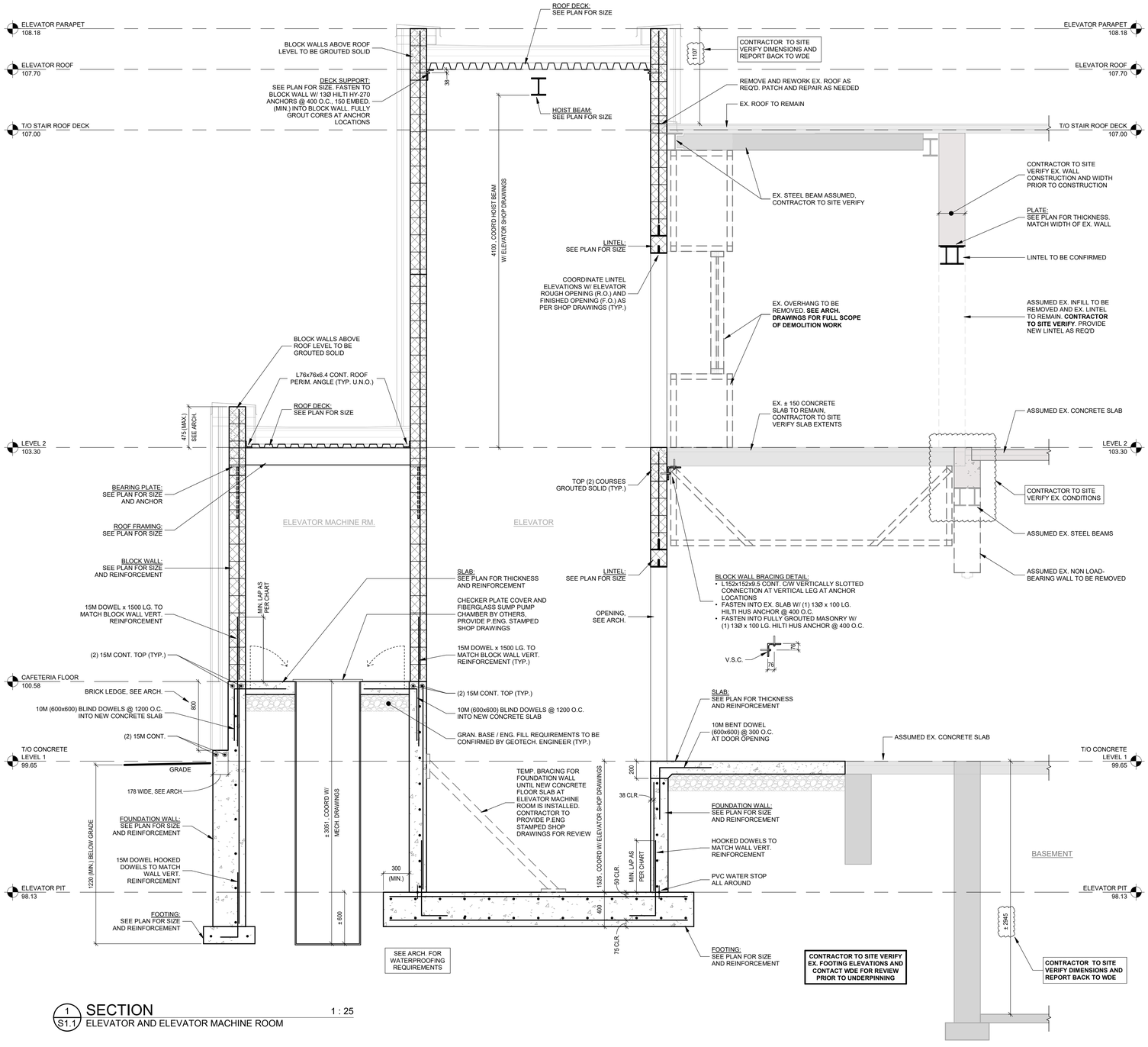
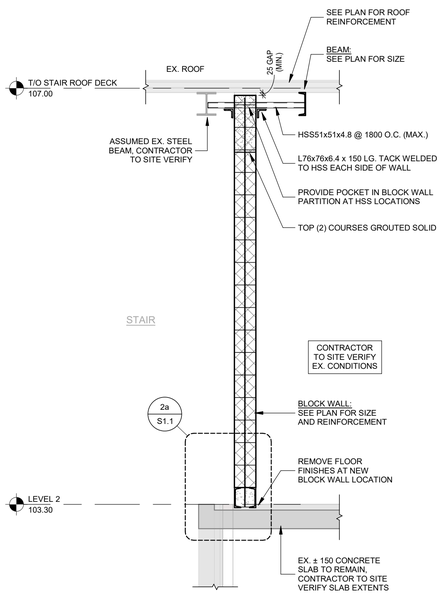
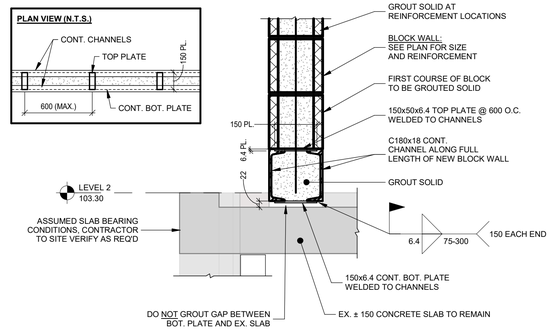


1 / S1.1 SECTION — ELEVATOR AND ELEVATOR MACHINE ROOM — 1 : 25



2 / S1.1 SECTION — NEW PARTITION — 1 : 25



2a / S1.1 DETAIL — BOND BEAM AT BOT. OF BLOCK WALL — 1 : 10

CONTRACTOR TO PROVIDE TEMPORARY SHORING AS REQ'D, SUBMIT P.ENG. STAMPED SHOP DRAWINGS FOR REVIEW

CONTRACTOR TO SITE VERIFY ALL EX. CONDITIONS

ASSUMED EX. CONDITIONS AS SHOWN, CONTRACTOR TO SITE VERIFY FRAMING / FOUNDATIONS AND REPORT BACK TO WDE IF SITE CONDITIONS VARY

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D. G. WATERS
100543905
Feb 24, 2025
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101 Randall Drive, Unit 8, Waterloo, ON, N2V 1C5 | 519 804-2711 | www.abaarchitects.ca

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 MCKAY STREET, CAMBRIDGE, ON N1R 4G8

DRAWING TITLE
ELEVATOR SECTIONS

SCALE: As indicated
SHEET SIZE: 24X36
PROJECT NUMBER: 14939-201
DRAWING NUMBER: S1.1

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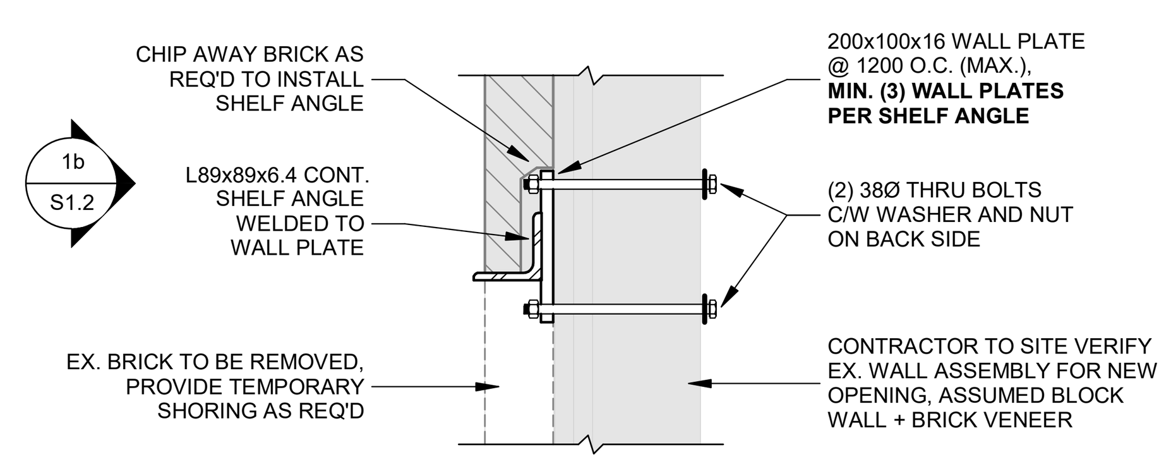
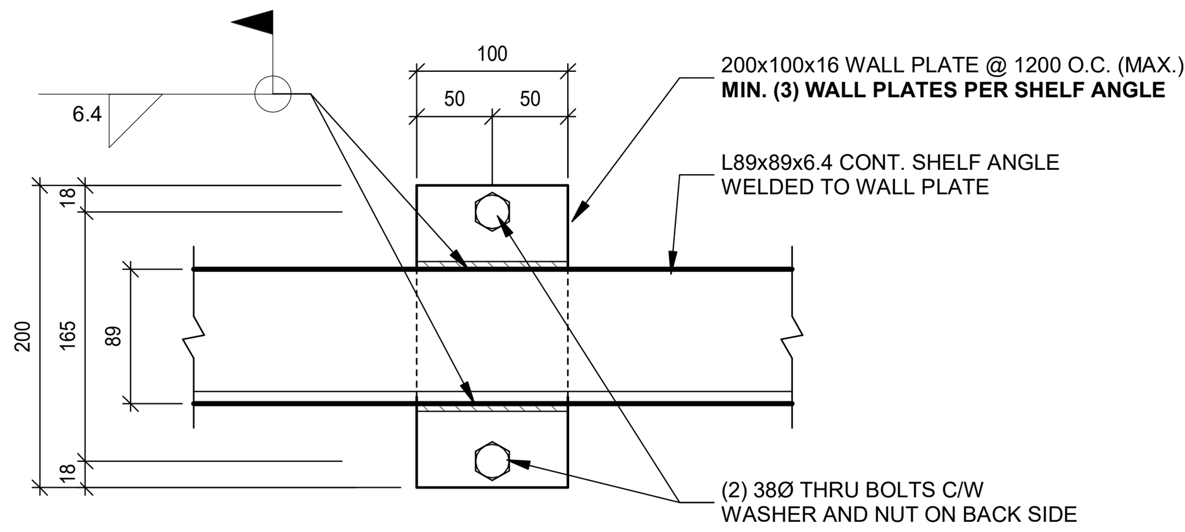
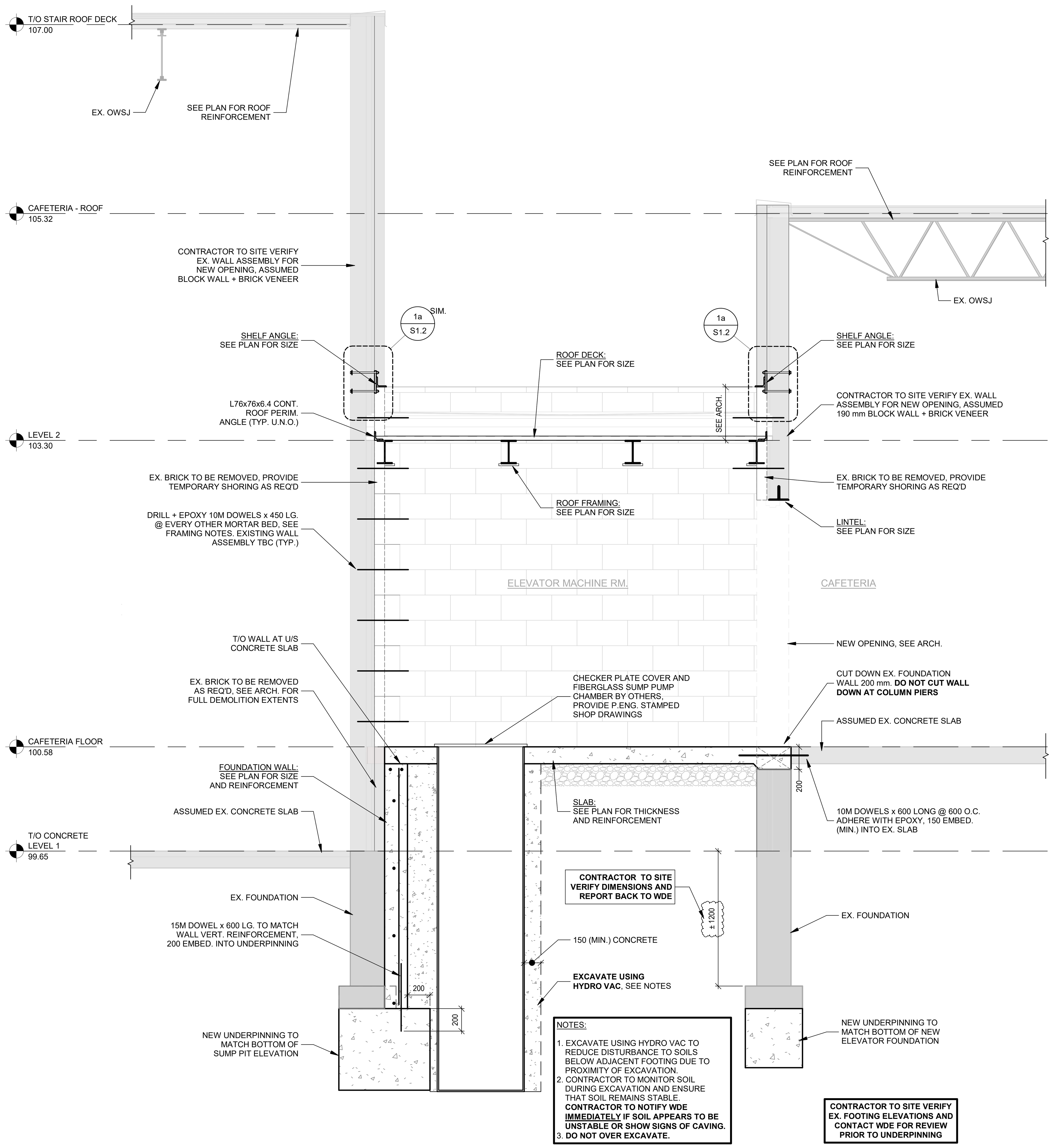


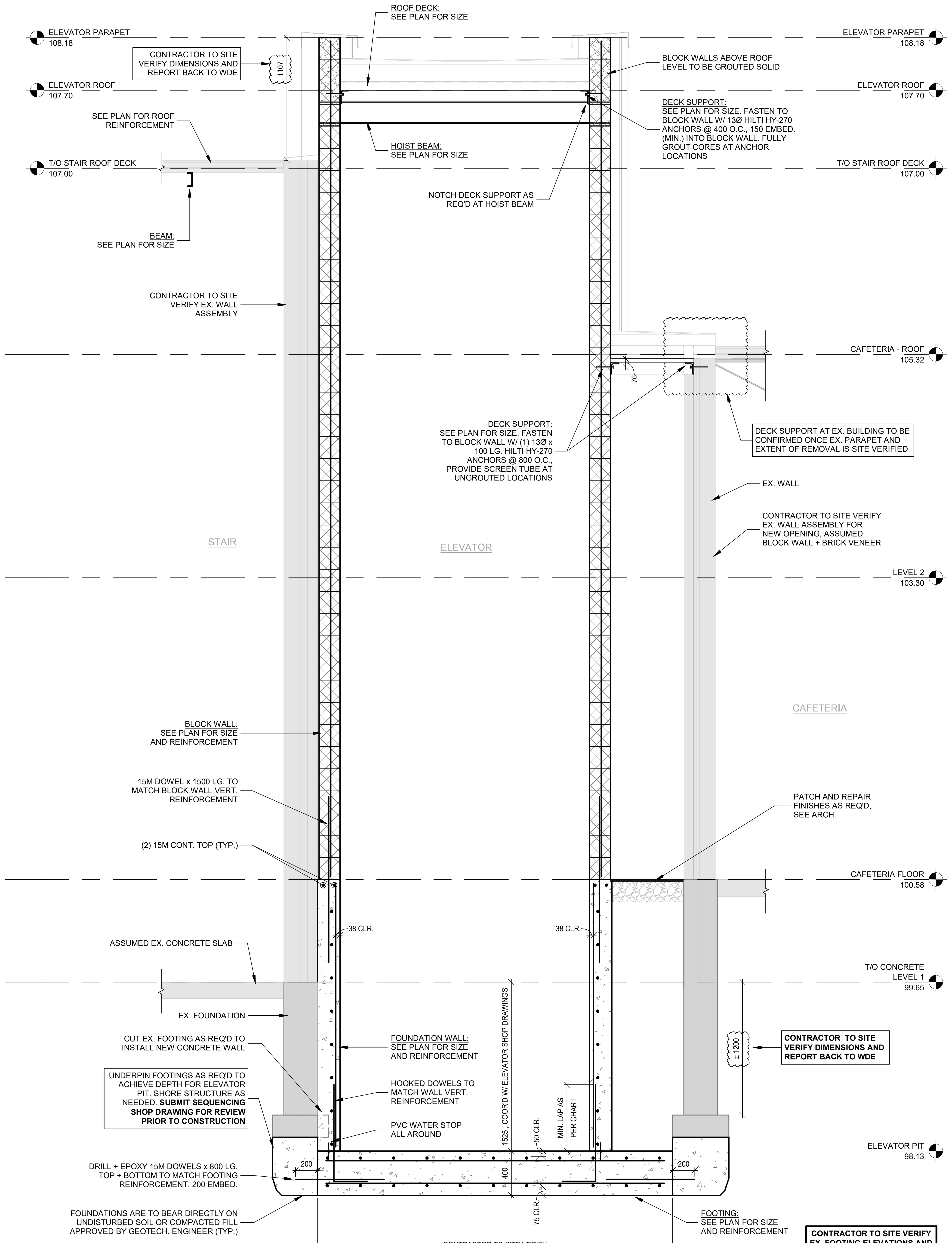
1a / S1.2 **DETAIL** SHELF ANGLE 1 : 10



1b / S1.2 **DETAIL** WALL PLATE 1 : 5



1 / S1.2 **SECTION** ELEVATOR MACHINE ROOM 1 : 25



2 / S1.2 **SECTION** ELEVATOR 1 : 25

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LICENSED PROFESSIONAL ENGINEER D. G. WATERS 100543905 Feb 24, 2025 PROVINCE OF ONTARIO

CHRONOLOGY	DATE

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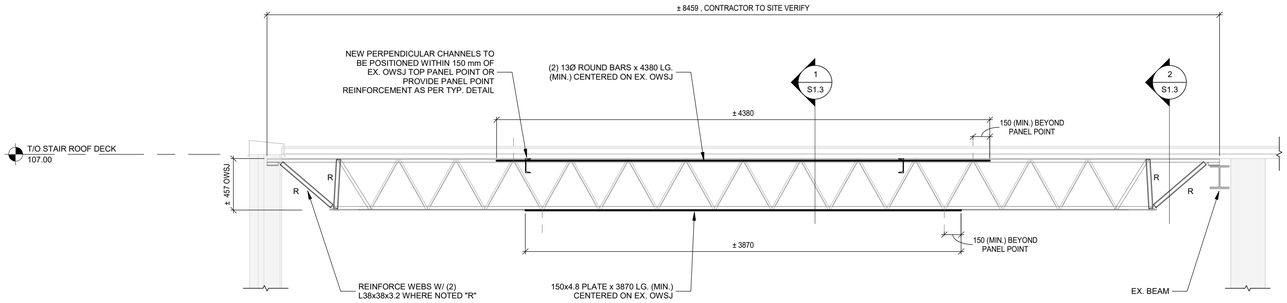
aba architects inc.

CLIENT: WATERLOO REGION DISTRICT SCHOOL BOARD

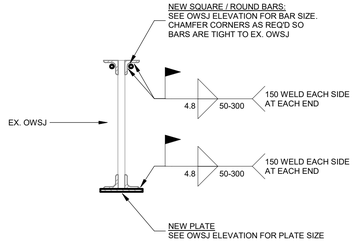
PROJECT NAME: GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 MCKAY STREET, CAMBRIDGE, ON N1R 4G8

DRAWING TITLE: ELEVATOR SECTIONS

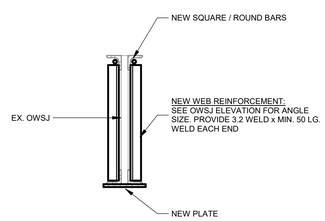
SCALE: As indicated
SHEET SIZE: 24X36
PROJECT NUMBER: 14939-201
DRAWING NUMBER: S1.2



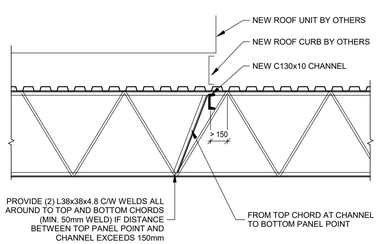
J1 REINFORCEMENT 1 : 25



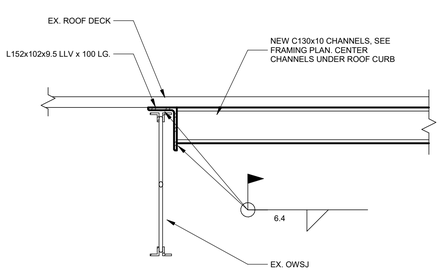
1 S1.3 DETAIL 1 : 10
JOIST REINFORCEMENT - TOP & BOT. CHORD



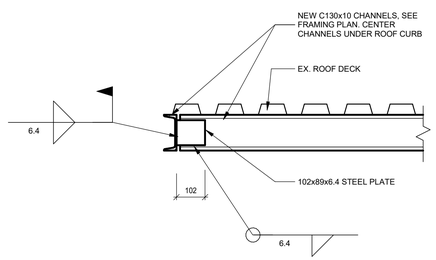
2 S1.3 DETAIL 1 : 10
JOIST REINFORCEMENT - WEB



A S1.3 DETAIL (TYP.) 1 : 25
PANEL POINT REINFORCEMENT AT C-CHANNEL SUPPORTS



B S1.3 DETAIL (TYP.) 1 : 10
CHANNEL TO EX. OWSJ CONNECTION



C S1.3 DETAIL (TYP.) 1 : 10
CHANNEL TO CHANNEL CONNECTION

No.	REVISIONS	DATE
1	ISSUED FOR PERMIT / TENDER	2025.02.24

LICENSED PROFESSIONAL ENGINEER
D. G. WATERS
100543905
Feb 24, 2025
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

WitzelDyce ENGINEERING INC.
826 King Street North, Unit 20
Waterloo, Ontario, N2J 4G8
www.witzeldyce.com

aba architects inc.

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 MCKAY STREET, CAMBRIDGE, ON N1R 4G8

DRAWING TITLE
EX. OWSJ REINFORCEMENT

SCALE	DRAWING NUMBER
As indicated	S1.3
SHEET SIZE: 24X36	
PROJECT NUMBER: 14939-201	

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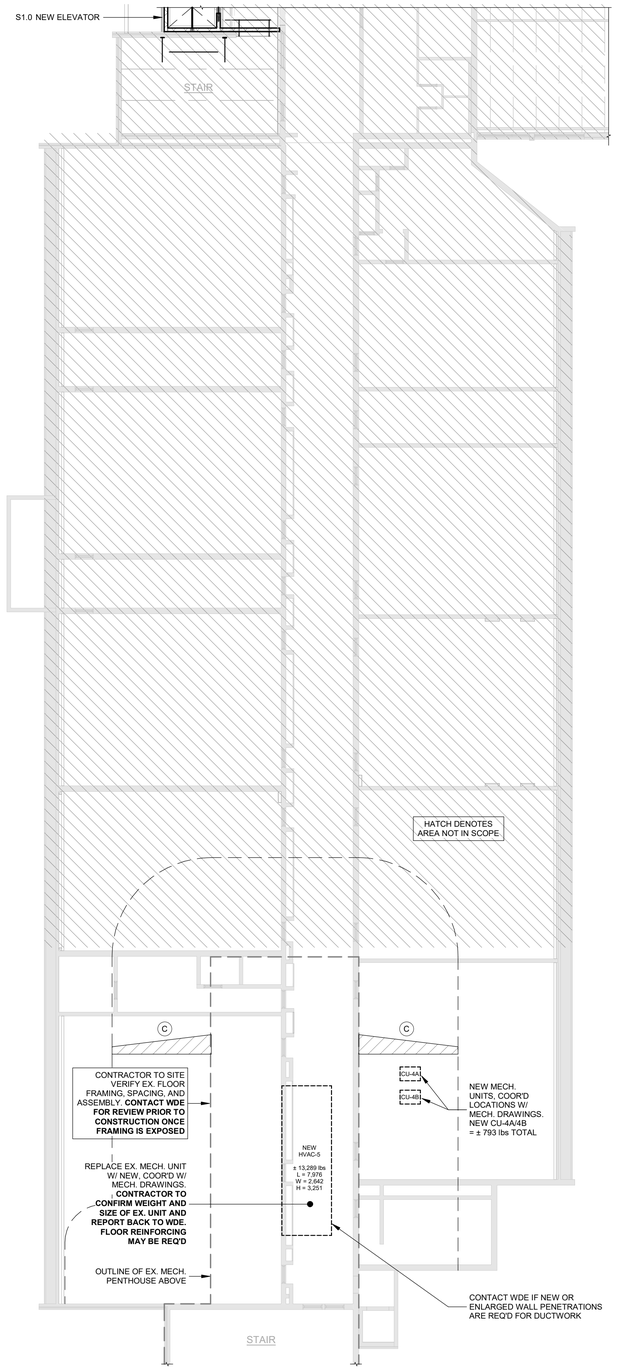
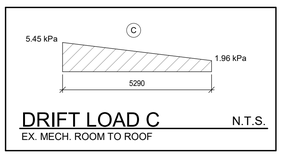


1 S2.0 PARTIAL FRAMING PLAN — 1 : 150
ROOF / MECH. PENTHOUSE FRAMING PLAN - BLOCK 'B'

EX. MECH. ROOM DESIGN LOADS	
LIVE LOAD	= 7.2 kPa
DEAD LOAD	= 3.6 kPa

EX. ROOF DESIGN LOADS	
SNOW LOAD	= 1.96 kPa
DEAD LOAD	= 1.20 kPa

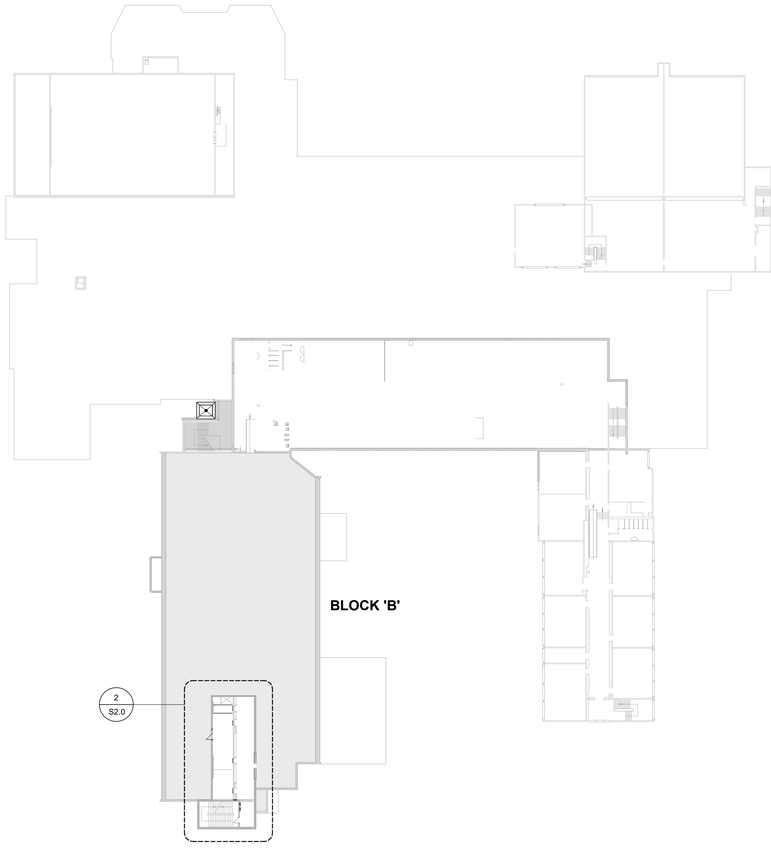


DRIFT LOAD C — N.T.S.
EX. MECH. ROOM TO ROOF

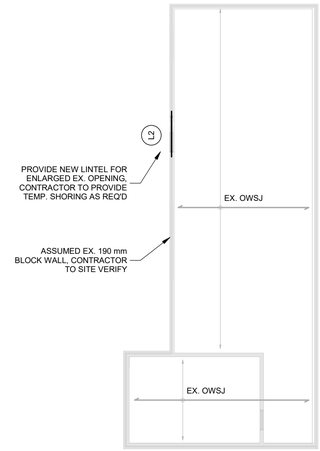
CONTRACTOR TO SITE VERIFY ALL EX. CONDITIONS

ASSUMED EX. CONDITIONS AS SHOWN, CONTRACTOR TO SITE VERIFY FRAMING / FOUNDATIONS AND REPORT BACK TO WDE IF SITE CONDITIONS VARY

CONTACT WDE IF NEW OR ENLARGED WALL PENETRATIONS ARE REQ'D FOR DUCTWORK



LEVEL 3 KEY PLAN — 1 : 500



2 S2.0 PARTIAL FRAMING PLAN — 1 : 150
MECH. PENTHOUSE ROOF FRAMING PLAN

EX. MECH. PENTHOUSE ROOF DESIGN LOADS	
SNOW LOAD	= 1.96 kPa
DEAD LOAD	= 1.20 kPa

LINTEL SCHEDULE		
LINTEL	SIZE	END BEARING
L1	(2) L89x89x7.9	200 EACH END
L2	(2) L127x89x7.9 LLV	200 EACH END
L3	(2) W200x27 + 9.5 PL.	BP AS PER PLAN

No.	REVISIONS	DATE
1	ISSUED FOR PERMIT / TENDER	2025.02.24

LICENSED PROFESSIONAL ENGINEER
D. G. WATERS
100543905
Feb 27, 2025
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

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CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 MCKAY STREET, CAMBRIDGE, ON N1R 4G8

DRAWING TITLE
PARTIAL ROOF FRAMING PLAN - BLOCK 'B'

SCALE: As indicated
SHEET SIZE: 24X36
PROJECT NUMBER: 14939-201
DRAWING NUMBER: S2.0

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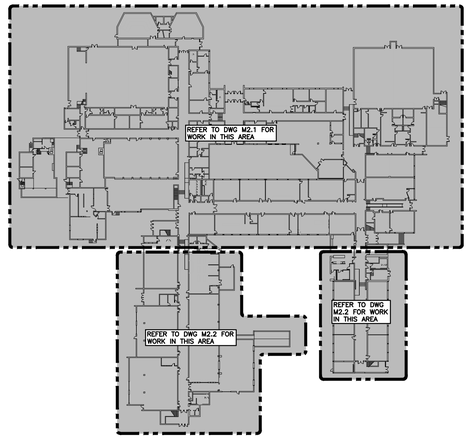
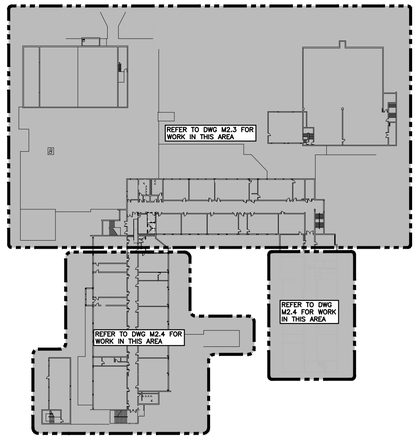
CONTRACTOR STAGING & ACCESS TO SITE (PHASE 1)

SCALE: N.T.S.



GROUND FLOOR



SECOND FLOOR

KEY PLAN

SCALE: N.T.S.

GRILLE SCHEDULE (PHASE 1)

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Equalizing Grid	Volume Damper	Acceptable Manufacturer	Description
D1	SQUARE CEILING DIFFUSER	NO	NONE	KRUEGER 1400A	4–CONE, FULLY ADJUSTABLE, 24x24, STEEL CEILING DIFFUSER W/ROUND NECK. SUITABLE FOR LAY–IN T–BAR CEILING, OR DRYWALL CEILING WHEN C/W FRAME.
R1	CEILING RETURN GRILLE (NON–DUCTED)	NO	NONE	KRUEGER EG–5	1/2x1/2x1/2 ALUMINUM EGGCRATE CORE, C/W CHANNEL BORDER FOR LAY–IN T–BAR CEILING.
R2	CEILING RETURN GRILLE (DUCTED)	NO	NONE	KRUEGER S580	FIXED BLADE AT 45°, 1/2" SPACING, EXTRUDED ALUMINUM AIRFOIL BLADES PARALLEL TO LONG DIMENSION, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.

GENERAL DIFFUSER/GRILLE NOTES:
1. ACCEPTABLE MANUFACTURERS: EH PRICE, NAILOR, TITUS, KRUEGER, CARNES, METALAIRE, TUTTLE & BAILEY
2. GRILLE COLOURS ARE SELECTED BY ARCHITECT FROM STANDARD COLOUR CHART, UNLESS OTHERWISE NOTED.
3. PAINT INTERIOR OF DUCTWORK BEHIND GRILLE MATT BLACK (WHERE VISIBLE THRU GRILLE).

MECHANICAL LEGEND

Item	Description	Item	Description	Item	Description
	CUT EXISTING & CONNECT NEW PIPING	—G—	NATURAL GAS PIPING	TCV	TEMPERATURE CONTROL VALVE
	FLOW DIRECTION	—HPG—	HIGH PRESSURE NATURAL GAS PIPING	FE	WALL MOUNTED FIRE EXTINGUISHER
—·—	DOMESTIC COLD WATER PIPING	FD	FLOOR DRAIN	FB	FIRE BLANKET
—··—	DOMESTIC HOT WATER PIPING	FD BWV	FLOOR DRAIN WITH BACKWATER VALVE	CO	FLOOR CLEANOUT
-NP-·—	NON–POTABLE DOMESTIC COLD WATER PIPING	P	TRAP PRIMER	CO	LINE CLEANOUT
—···NP-	NON–POTABLE DOMESTIC HOT WATER PIPING		TEE CONNECTION	T	THERMOSTAT (WITH OR WITHOUT GUARD)
—···—	DOMESTIC HOT WATER RECIRC. PIPING	C	PIPE DOWN	H	HUMIDISTAT (WITH OR WITHOUT GUARD)
—··T—	DOMESTIC TEMPERED WATER PIPING		PIPE UP	D	CARBON DIOXIDE (CO2) SENSOR (WITH OR WITHOUT GUARD)
—·H—	DOMESTIC HARD COLD WATER PIPING		CHECK VALVE		TURNING VANES
—·S—	DOMESTIC SOFT COLD WATER PIPING		BALL DRIP CHECK VALVE		SUPPLY AIR DUCT
—EX–SAN—	EXISTING SANITARY PIPING ABOVE FLOOR		BACKFLOW PREVENTOR		RETURN/EXHAUST AIR DUCT
—EX–SAN—	EXISTING SANITARY PIPING BELOW FLOOR		DOUBLE CHECK VALVE ASSEMBLY (DCVA) BACKFLOW PREVENTOR		ACOUSTIC DUCT LINING
—SAN—	SANITARY PIPING ABOVE FLOOR		UNION	BD	BALANCING DAMPER
—SAN—	SANITARY PIPING BELOW FLOOR		STRAINER	M	MOTORIZED DAMPER (OPPOSED BLADE)
—AW—	ACID WASTE		SCREWED OR WELDED PIPE CAP	FD	FIRE DAMPER
—AV—	ACID VENT PIPING	NO	NORMALLY OPEN		FLEXIBLE ROUND DUCT
-EX–STM-	EXISTING STORM PIPING ABOVE FLOOR	NC	NORMALLY CLOSED		RIGID ROUND DUCT
-EX–STM-	EXISTING STORM PIPING BELOW FLOOR		PLUG VALVE	AL	ALUMINUM DUCT
—STM—·—	STORM PIPING ABOVE FLOOR		BALL VALVE	Type Size Cap.	DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
—STM—·—	STORM PIPING BELOW FLOOR		BUTTERFLY VALVE		
—CD—	CONDENSATE PIPING		GATE VALVE	Type Size 1 Size 2 Capacity	HYDRONIC HEATING SIZE, TYPE & CAPACITY
—·V·—	VENT PIPING	M	MOTORIZED VALVE ACTUATOR	RIC	RETURN IN CABINET
—F—	STANDPIPE PIPING		CONTROL VALVE ACTUATOR	AFF	ABOVE FINISHED FLOOR
—SP—	SPRINKLER PIPING	M	SOLENOID VALVE	AFR	ABOVE FINISHED ROOF
—DSP—	DRY SPRINKLER PIPING		RISER VALVE	CTE	CONNECT TO EXISTING
—HWS—	HEATING WATER SUPPLY PIPING	BV	BALANCING VALVE	PD	PUMPED
—HWR—	HEATING WATER RETURN PIPING	S	SUPERVISING VALVE	EX	EXISTING DUCT (SIZE AS INDICATED)

GENERAL NOTES

- ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED SPECIFICATION.
- REFER TO SPECIFICATIONS FOR DETAILS REGARDING REQUIRED SHOP DRAWINGS SUBMISSIONS, INDEPENDENT SITE TESTING, AND SITE WORK NOTIFICATIONS.
- UPON COMPLETION OF THE PROJECT OR UPON COMPLETION OF EACH INDIVIDUAL PHASE OF THE PROJECT THE CONTRACTORS SHALL PROVIDE THE FOLLOWING CERTIFICATES BEFORE CONFORMANCE LETTERS ARE ISSUED BY THE CONSULTANT:
  - POTABLE WATER TEST (SEE SPEC 22 11 16 PART 3)
  - BACKFLOW TEST CERTIFICATE(S) FOR ALL TESTABLE DEVICES
  - COPY OF MANDATORY TSSA/CSA–B149 GAS PRESSURE TEST TAG
  - LETTER FROM CONTRACTOR VERIFYING THAT ALL REFRIGERATION LEAK DETECTION SYSTEMS AND THEIR INTERLOCKS TO DOWNSTREAM DEVICES HAVE BEEN INSTALLED AND TESTED.
  - TSSA CERTIFICATE OF AUTHORIZATION FOR SPLIT AIR CONDITIONING SYSTEMS (EXCEEDING 5 TONS)

  ALL CERTIFICATES ARE TO BE SUBMITTED TOGETHER IN A SINGLE PACKAGE.

SEMI–CUSTOM INDOOR AIR HANDLING UNIT SCHEDULE (PHASE 2)

*ESP IS EXTERNAL TO THE CABINET

Item	Type	Supply Air Fan Data: Service	Capacity cfm	Size hp	Drive	ESP in wc	Voltage	MCA	MOCP	Exhaust Air Fan Data: Capacity cfm	Size hp	Drive	ESP in wc	Voltage	MCA	MOCP	COOLING: Medium	Coil Type	Sens.Cap. MBH	Total Cap. MBH	Rows Fins/in.	Ent db/wb	LVG db/wb	Face Vel. fpm	PD. Air in.	HEATING: Medium	Capacity MBH	EAT db °F	LAT db °F	Flow (gpm)	HEAT RECOVERY: Type	Model	Heating Capacity (MBH) @ 0° db	Cooling Capacity (MBH) @ 88° db/75° wb	PD. Air in.	Manufacturer	Model	Weight (lbs) (approx.)	Remarks
HVAC–5	INDOOR BUILT UP AIR HANDLING UNIT	CLASSROOM ADDITION	15,000	25	VARIABLE FREQUENCY DRIVE	1.0	208/3/60	93.8	150	15,000	2 @ 6.1	DIRECT DRIVE	2 @ 1.0	208/3/60	2 @ 31.3	2 @ 45.0	R410A	DX	453	676	8/8	80/66	53/51	495	0.95	WATER	789	40	160	82	SEGMENTED WHEEL	SXA–1900–MS	471	197	0.66	DAIKIN	CAH033GDHM	13500±	C/W SEGMENTED ENERGY RECOVERY WHEEL, SUPPLY VFD, DIRECT DRIVE RETURN FAN ECM MOTORS, VARIABLE SPEED COMPRESSORS, ERW ECONOMIZER BYPASS (FREE COOLING), 200mm HIGH BASE

GENERAL NOTES:
- ACCEPTABLE MANUFACTURERS: DAIKIN, AAON
- UNIT SHIPPED IN SECTIONS TO STORAGE FACILITY, THEN TO SITE DURING PHASE 2 CONSTRUCTION. REFER TO MECHANICAL CASH ALLOWANCES.
- DOUBLE WALL CONSTRUCTION C/W 2" (50mm) R–13 FOAM INSULATION & PERMATECTOR FINISH.
- CORROSION RESISTANT FASTENERS.
- SOLID UNDERFLOOR LINER FACTOR PAINTED TO MATCH UNIT CASING FINISH.
- HINGED ACCESS DOORS.
- FACTORY WIRED NON FUSED DISCONNECT.
- 2" (50mm) MERV 13 FILTERS (SUPPLY AIRSTREAM).
- 2" (50mm) MERV 8 FILTERS (OUTDOOR & EXHAUST AIRSTREAMS).
- LOW LEAKAGE OUTDOOR AIR DAMPER (THERMALLY BROKEN) (3cfm/ft2 @ 1.0" wc).
- MOTORIZED RELIEF DAMPER, SPRING RETURN OUTDOOR AIR DAMPER (DAMPERS SHALL FAIL CLOSED).
- CONTROLS LITE PACKAGE (ALL UNIT CONTROLS SHALL BE PROVIDED BY THE CONTROLS CONTRACTOR).
- HYDRONIC HEATING COIL, REFRIGERANT COIL, HOT GAS REHEAT COIL.
- SEGMENTED UNIT TO VRV/VRF AIR SOURCE HEAT PUMP SYSTEM.
- REFRIGERANT LEAK DETECTION.

INDOOR AIR CONDITIONING UNIT SCHEDULE (PHASE 1)

Item	Type	Service	Supply Air Data: Capacity Tons	Size bhp	Refrig.	Unit Weight lbs	MCA	MOCP	Voltage	Manufacturer & Model
DS–3	INDOOR WALL MOUNTED UNIT	MACH. 231	2	Fhp	R32	50±	1	15	208/1/60	LG LSN243HLV

CONDENSING UNIT SCHEDULE (PHASE 1)

Item	Type	Unit Weight lbs	MCA	MOCP	Voltage	Manufacturer & Model	Remarks
CU–3	ROOF MOUNTED CONDENSING UNIT	140±	19	30	208/1/60	LG LSU243HLV	C/W LOW AMBIENT OPERATION, AC UNIT POWERED THRU OUTDOOR UNIT

FAN SCHEDULE (PHASE 1)

CAPACITY INDICATED ON SCHEDULE REFER TO SPECIFICATION FOR CONSTRUCTION STANDARDS, ACCESSORIES AND ADDITIONAL INFORMATION.

Item	Type	Capacity cfm	ESP in wc	Fan Speed rpm	Motor: hp	Motor: Voltage	Acceptable Manufacturer	Description
EF–5	ROOF UPBLAST EXHAUST FAN	600	0.5	1375	1/4	120/1/60	PENN BARRY FX08B	SPUN ALUMINUM MOTOR COVER & FAN SHROUD, UPBLAST, W/BELT DRIVE CENTRIFUGAL BACKWARD INCLINED FAN, GALV BIRD SCREEN, 24" HIGH INSULATED ROOF CURB, & BACKDRAFT DAMPER
EF–6	ROOF UPBLAST EXHAUST FAN	600	0.5	1375	1/4	120/1/60	PENN BARRY FX08B	SPUN ALUMINUM MOTOR COVER & FAN SHROUD, UPBLAST, W/BELT DRIVE CENTRIFUGAL BACKWARD INCLINED FAN, GALV BIRD SCREEN, 24" HIGH INSULATED ROOF CURB, & BACKDRAFT DAMPER
EF–7	ROOF UPBLAST EXHAUST FAN	800	0.75	1050	1/4	120/1/60	PENN BARRY FX12BH	CONNECT TO FUMEHOOD. SPUN ALUMINUM MOTOR COVER & FAN SHROUD, UPBLAST, W/BELT DRIVE CENTRIFUGAL BACKWARD INCLINED FAN, GALV BIRD SCREEN, 24" HIGH INSULATED ROOF CURB, & BACKDRAFT DAMPER

GENERAL FAN NOTES:
1. ACCEPTABLE MANUFACTURERS: GREENHECK, PENN–BARRY, COOK, CARNES, ACME, TWIN CITY, JENCO, BUFFALO. (CEILING FANS: BROAN, GREENHECK, ZONEX)
2. PROVIDE 24" TALL PREFABRICATED, INSULATED ROOF CURB FOR ALL ROOF MOUNTED FANS.

INDOOR VRF BRANCH SELECTOR BOX SCHEDULE

Item	MCA	MOCP	Voltage	Manufacturer & model	Remarks
BS–1A	0.4	15	208/1/60	DAIKIN BSF4Q54TVJ	
BS–1B	0.4	15	208/1/60	DAIKIN BSF4Q54TVJ	
BS–1C	0.4	15	208/1/60	DAIKIN BSF4Q54TVJ	
BS–2A	0.4	15	208/1/60	DAIKIN BSF4Q54TVJ	
BS–2B	0.4	15	208/1/60	DAIKIN BSF4Q54TVJ	
BS–2C	0.4	15	208/1/60	DAIKIN BSF4Q54TVJ	

VVT CONTROL DAMPER SCHEDULE (PHASE 1)

Item	Service	Design Capacity(cfm)	Size
BPD–5.0A	HVAC–5		900x300
BPD–5.0B	HVAC–5		900x300
VVT–5.1	CLASSROOM A215 & SEWING/ FASHION ARTS A217	1600	400x350
VVT–5.2	BUSINESS A213	600	350x200
VVT–5.3	BUSINESS A213	600	350x200
VVT–5.4	BIOLOGY LAB A211	600	350x200
VVT–5.5	BIOLOGY LAB A211	600	350x200
VVT–5.6	COMPUTERS A209	600	350x200
VVT–5.7	COMPUTERS A209	600	350x200
VVT–5.8	DEPT HEAD A207	150	175x150
VVT–5.9	DEPT HEAD A207	150	175x150
VVT–5.10	ART & MARKETING A205	1000	400x300
VVT–5.11	DARK ROOM N200	500	300x200
VVT–5.12	ART A216 & ART A218	2000	500x350
VVT–5.13	CHEMISTRY LAB A212	600	350x200

Item	Service	Design Capacity(cfm)	Size
VVT–5.14	CHEMISTRY LAB A212	600	350x200
VVT–5.15	CHEMISTRY LAB A210	600	350x200
VVT–5.16	CHEMISTRY LAB A210	600	350x200
VVT–5.17	PREP ROOM A208	450	250x225
VVT–5.18	BIOLOGY A206	600	350x200
VVT–5.19	BIOLOGY A206	600	350x200
VVT–5.20	PREP ROOM A204	450	250x225
VVT–5.21	PHYSICS A202	300	225x200
VVT–5.22	PHYSICS A202	300	225x200
VVT–5.23	WORKROOM A118	100	250x100
VVT–5.24	TECH OFFICE A118A	150	250x100
VVT–5.25	STORAGE A114C	150	250x100
VVT–5.26	EDIT A114B	150	250x100
VVT–5.27	STORAGE A114A	150	250x100
VVT–5.28	N116	600	300x250

AIR COOLED CONDENSING UNIT SCHEDULE

Item	Type	Cooling Capacity (BTU/h): Total Cooling	Heating Cooling	Refrig.	Piping Connections (in.): Liquid	LP Gas	HP Gas	Electrical: Voltage	MCA	MOCP	Manufacturer & Model
CU–4A1	OUTDOOR ROOF MOUNTED	147.0	166.0	R410A	3/4	1–3/8	1–1/8	208/3/60	61.9	70	DAIKIN REYQ33XBTJA
CU–4A2	OUTDOOR ROOF MOUNTED	147.0	166.0	R410A	3/4	1–3/8	1–1/8	208/3/60	61.9	70	DAIKIN REYQ33XBTJA
CU–4B1	OUTDOOR ROOF MOUNTED	147.0	166.0	R410A	3/4	1–3/8	1–1/8	208/3/60	61.9	70	DAIKIN REYQ33XBTJA
CU–4B2	OUTDOOR ROOF MOUNTED	147.0	166.0	R410A	3/4	1–3/8	1–1/8	208/3/60	61.9	70	DAIKIN REYQ33XBTJA

ACID NEUTRALIZING TANK SCHEDULE (PHASE 1)

Item	Type	Empty Capacity gal.	Actual Capacity gal.	Limestone Charge lbs	Dimensions	Manufacturer	Model	Remarks
NT–1	MOUNTED ON FLOOR	68	30	900	30"ø x 42"	SMS	AN–170	MOUNT FLUSH WITH FLOOR C/W FRAME RING, TRUSS HEAD BOLTS, HOT SUNK SECURING NUTS, 3/32" THICK NON–SKID STILL TOP & EXTENSION C/W MONITOR PANEL.
SI–1	MOUNTED IN MILLWORK	N/A	N/A	N/A	8.5"ø x 12.5"	SMS	SI–MQ	INSTALL IN MILLWORK BELOW SINK. FOR LOCATIONS & QUANTITIES, REFER TO PLANS.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	2025.01.31
2	ISSUED FOR PERMIT & TENDER	2025.03.05

PROJECT NORTH

LICENSED PROFESSIONAL ENGINEER
5 Mar 25
M.B. WHITE
100149074
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

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Project Number: 24162

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL
55 McKay Street Cambridge, Ontario

DRAWING TITLE

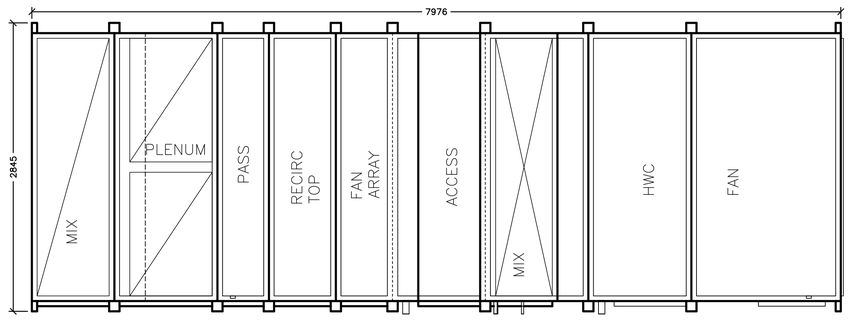
KEY PLAN, LEGEND & SCHEDULES

SCALE: AS NOTED
SHEET SIZE: 24x36
PROJECT NUMBER:
DRAWING NUMBER: M1.1

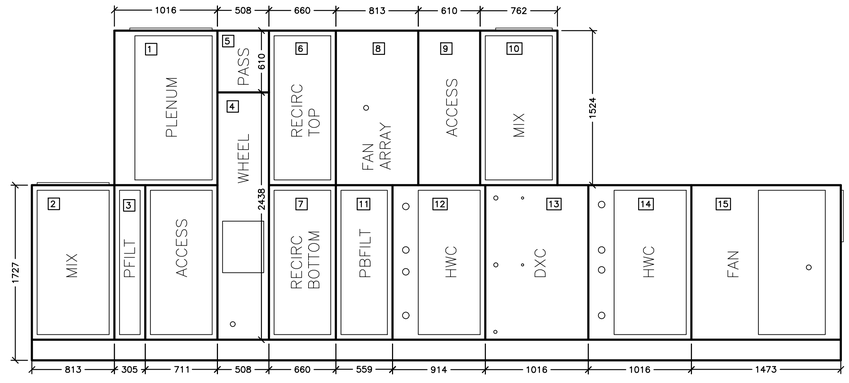
PLUMBING FIXTURE SCHEDULE (PHASE 1)

Item	Type	Connection Sizes					Fixture		Trim		Accessories	
		HW	CW	TW	Drain	Vent	Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Acceptable Manufacturer	Accessory Description
S-1	STAINLESS STEEL SCIENCE SINK (STUDENT)		15		40	32	KINDRED LBS6407/316-1/3 NOVANNI 1013/316	SINK: SINGLE COMPARTMENT, LEDGE-BACK. FROM 1.0 mm (20 GAUGE) THICK TYPE 316 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 410 mm X 520 mm X 175 mm (18 1/8" X 20 5/8" X 7").	DELTA W660-10 ZURN Z82581 MOEN COMMERCIAL 8103	FAUCET: CHROME PLATED BRASS, LABORATORY TYPE WITH GOOSENECK SWING SPOUT WITH SERRATED NOZZLE, ANGLE VACUUM BREAKER, AERATOR, INDEXED HOODED LEVER HANDLE, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 3.80 l/min (1.1 gpm) AT 413 kPa (60 psi).		
S-2	BARRIER FREE STAINLESS STEEL SCIENCE SINGLE SINK (STUDENT)		15		40	32	KINDRED LBS6407/316-1/3 NOVANNI 1013/316	SINK: SINGLE COMPARTMENT, LEDGE-BACK. FROM 1.0 mm (20 GAUGE) THICK TYPE 316 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 410 mm X 520 mm X 175 mm (18 1/8" X 20 5/8" X 7").	DELTA W660-10 ZURN Z82581 MOEN COMMERCIAL 8103	FAUCET: CHROME PLATED BRASS, LABORATORY TYPE WITH GOOSENECK SWING SPOUT WITH SERRATED NOZZLE, ANGLE VACUUM BREAKER, AERATOR, INDEXED HOODED LEVER HANDLE, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 3.80 l/min (1.1 gpm) AT 413 kPa (60 psi).		INSULATION: INSULATE WASTE AND SUPPLIES WITH UL LISTED PREFORMED INSULATION SYSTEM COMPLETE WITH SEAMLESS JACKET. WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.
S-3	STAINLESS STEEL SCIENCE SINK (TEACHER)	15	15		40	32	KINDRED LBS6807/316-1/3 NOVANNI 1017/316	SINK: SINGLE COMPARTMENT, LEDGE-BACK. FROM 1.0 mm (20 GAUGE) THICK TYPE 316 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 510 mm X 520 mm X 175 mm (20" X 20 1/2" X 7").	DELTA W6720 ZURN Z82681-6F MOEN COMMERCIAL 8113	FAUCET: CHROME PLATED BRASS, LABORATORY TYPE WITH GOOSENECK SWING SPOUT WITH SERRATED NOZZLE, VACUUM BREAKER, AERATOR, INDEXED HOODED LEVER HANDLES, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi).		
EW-1	EYE WASH	15	15		32	32	HAWS 7260BT-7270BT BRADLEY S19-220 GUARDIAN G1750P-TMV	250 MM (10") DIAMETER IMPACT RESISTANT BOWL CHROME PLATED BRASS SPRAY HEADS COMPLETE WITH COVERS, AND WALL MOUNTING BRACKET. TEPID WATER MIXING VALVE MEETING REQUIREMENTS OF ANSI STANDARD Z358.1-2004. MIXING VALVE IS TO PROVIDE WATER TEMPERATURE BETWEEN 15.5°C (60°) AND 38°C (100°F). 15 MM (1/2") CHROME PLATED BRASS STAY OPEN BALL VALVE COMPLETE WITH PUSH HANDLE.			HAWS TWBS.EWE BRADLEY S19-2000 GUARDIAN G3600	TEMPERING VALVE TO BLEND HOT AND COLD WATER TO DELIVER TEPID WATER. AS REQUIRED BY ANSI Z358.1
G-1	GAS TURRET (DOUBLE) STUDENT						DELTA W6225 ZURN	COUNTER MOUNTED DOUBLE BALL VALVE HOSE COCK 180° PATTERN. VANDAL RESISTANT HANDLE, INDEX BUTTON, O-RING SEAL, SERRATED HOSE, TAILPIECE WITH COUPLING NUT.				
G-2	GAS TURRET (DOUBLE) (TEACHER)						DELTA W6220 ZURN	COUNTER MOUNTED DOUBLE BALL VALVE HOSE COCK 90° PATTERN. VANDAL RESISTANT HANDLE, INDEX BUTTON, O-RING SEAL, SERRATED HOSE, TAILPIECE WITH COUPLING NUT.				
FD-1	ELEVATOR SUMP DRAIN				NOTED	1 1/2	ZURN Z-629 WATTS DRAINAGE MIFAB CONTOUR C2900NB	GENERAL DUTY VERTICAL WALL DRAIN, CAST IRON BODY, CLAMPING COLLAR, NICKEL-BRONZE STRAINER. C/W INTEGRAL BACKWATER VALVE				

HVAC UNIT SHALL BE DELIVERED IN SECTIONS AND ASSEMBLED ON SITE IN PLACE. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL THE UNIT IN PLACE TO THE STANDARDS OF THE MANUFACTURER



PLAN VIEW



ELEVATION VIEW

UNIT DETAIL
SCALE: N.T.S.

UNIT SECTIONS

Item	Weight (lb)
1	615.75
2	752.15
3	744.29
4	1691.60
5	161.66
6	264.82
7	508.61
8	675.83
9	297.88
10	485.23
11	695.34
12	1027.13
13	1648.09
14	1091.83
15	2121.29
TOTAL	12781.50

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	2025.01.31
2	ISSUED FOR PERMIT & TENDER	2025.03.05

PROJECT NORTH

LICENSED PROFESSIONAL ENGINEER
5 Mar 25
M.B. WHITE
100149074
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-725-1555
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Project Number: 24162

Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC

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CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL
55 McKay Street Cambridge, Ontario

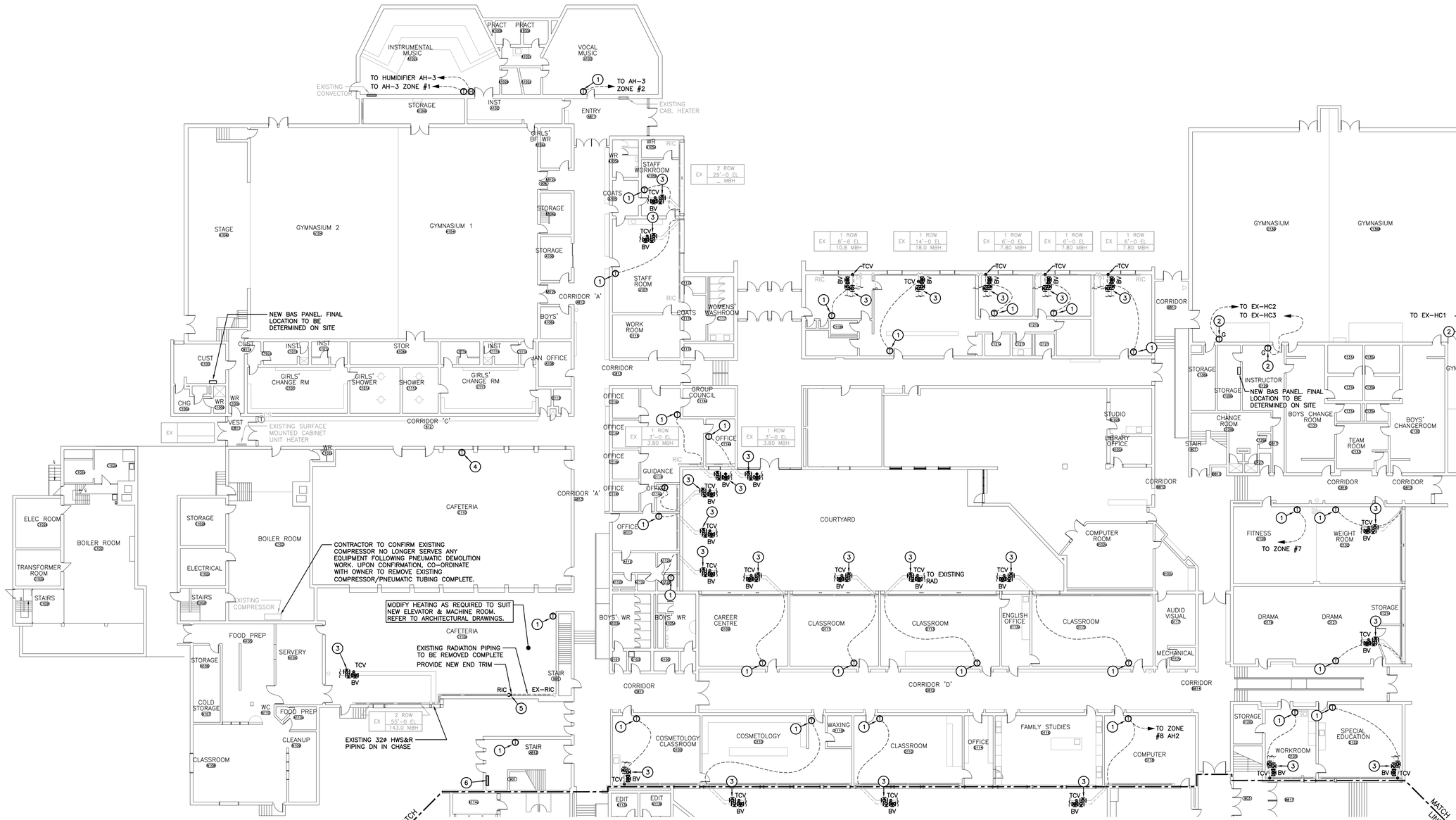
DRAWING TITLE
SCHEDULES

SCALE
AS NOTED

SHEET SIZE
24x36

PROJECT NUMBER

DRAWING NUMBER
M1.2



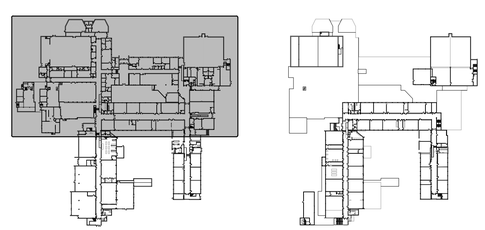
FIRST FLOOR PART PLAN – BLOCK A BAS (PHASE 1)

SCALE: 1:200

ALL EXISTING PNEUMATIC PIPING/TUBING SHOWN OR OTHERWISE SHALL BE REMOVED COMPLETE WHERE ACCESSIBLE WITH CEILINGS OR EXPOSED.

IDENTIFIED PRICE WORK

ALL WORK SHOWN TO REPLACE THE EXISTING PNEUMATIC CONTROLS WITH DDC CONTROLS IS AN IDENTIFIED PRICE.



GROUND FLOOR SECOND FLOOR

KEY PLAN

SCALE: N.T.S.

GENERAL DEMOLITION NOTES

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
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SPECIFIC DEMO/RENO NOTES

1. EXISTING PNEUMATIC THERMOSTAT/SENSOR TO BE REMOVED COMPLETE. REMOVE WIRING/TUBING BACK TO SOURCE. EXISTING PNEUMATIC TUBING TO BE SOLDERED/CRIMPED IN CONCEALED LOCATION. PROVIDE NEW DDC THERMOSTAT.
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4. EXISTING PNEUMATIC CONTROL VALVE(S) TO BE REMOVED FROM BOOSTER COIL(S) & REPLACED W/ NEW DDC CONTROL VALVE(S). NEW TCV(S) TO BE SUPPLIED BY BAS CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR.
5. EXISTING RADIATION CABINET, PIPING & WALLFIN TO BE CUT & REMOVED BEYOND COMPLETE. PROVIDE NEW END TRIM TO MATCH EXISTING CABINET HEIGHT.

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	2025.01.31
2	ISSUED FOR PERMIT & TENDER	2025.03.05

PROJECT NORTH

LICENSED PROFESSIONAL ENGINEER
5 Mar 25
M.B. WHITE
100149074
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 24162

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

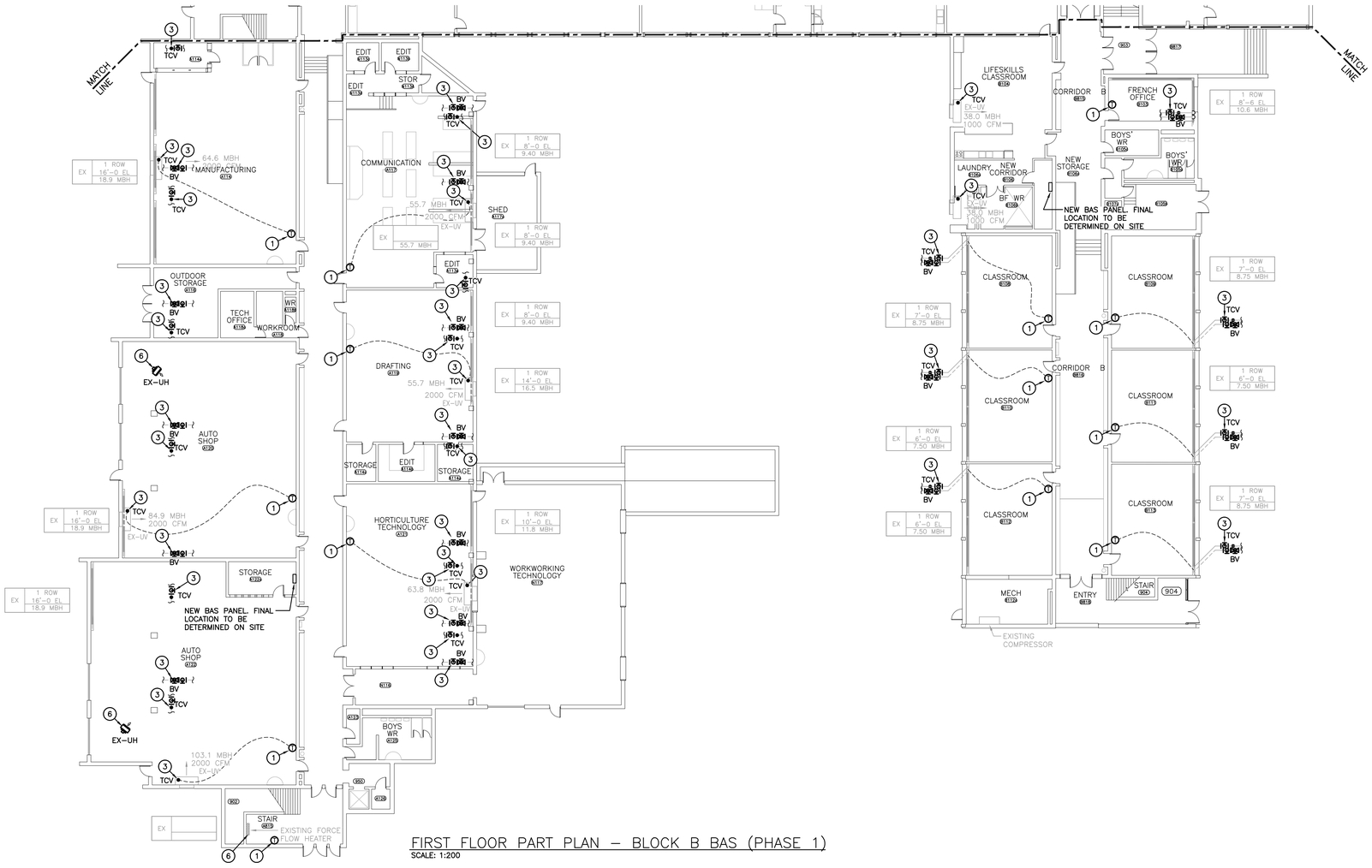
GLENVIEW PARK SECONDARY SCHOOL

55 McKay Street Cambridge, Ontario

DRAWING TITLE

FIRST FLOOR PART PLAN - BLOCK A BAS (PHASE 1)

SCALE	DRAWING NUMBER
AS NOTED	M2.1
SHEET SIZE: 24x36	
PROJECT NUMBER	

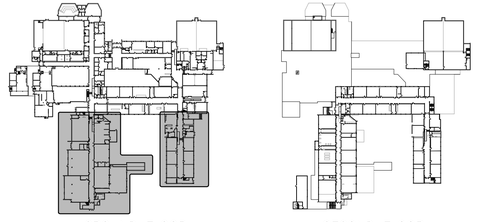


FIRST FLOOR PART PLAN – BLOCK B BAS (PHASE 1)
SCALE: 1:200

ALL EXISTING PNEUMATIC PIPING/TUBING SHOWN OR OTHERWISE SHALL BE REMOVED COMPLETE WHERE ACCESSIBLE WITH CEILINGS OR EXPOSED.

IDENTIFIED PRICE WORK

ALL WORK SHOWN TO REPLACE THE EXISTING PNEUMATIC CONTROLS WITH DDC CONTROLS IS AN IDENTIFIED PRICE.



GROUND FLOOR SECOND FLOOR

KEY PLAN
SCALE: N.T.S.

GENERAL DEMOLITION NOTES

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
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- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
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SPECIFIC DEMO/RENO NOTES

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5. EXISTING RADIATION CABINET, PIPING & WALLFIN TO BE CUT & REMOVED BEYOND COMPLETE. PROVIDE NEW END TRIM TO MATCH EXISTING CABINET HEIGHT.
6. EXISTING STANDALONE CONTROL TO BE REMOVED COMPLETE. INTEGRATE EXISTING INTO NEW DDC BAS SYSTEM.

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	2025.01.31
2	ISSUED FOR PERMIT & TENDER	2025.03.05

PROJECT NORTH

LICENSED PROFESSIONAL ENGINEER
5 Mar 25
M.B. WHITE
100149074
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

55 Northland Road,
Waterloo, ON, N2V 1Y8
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Project Number: 24162

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

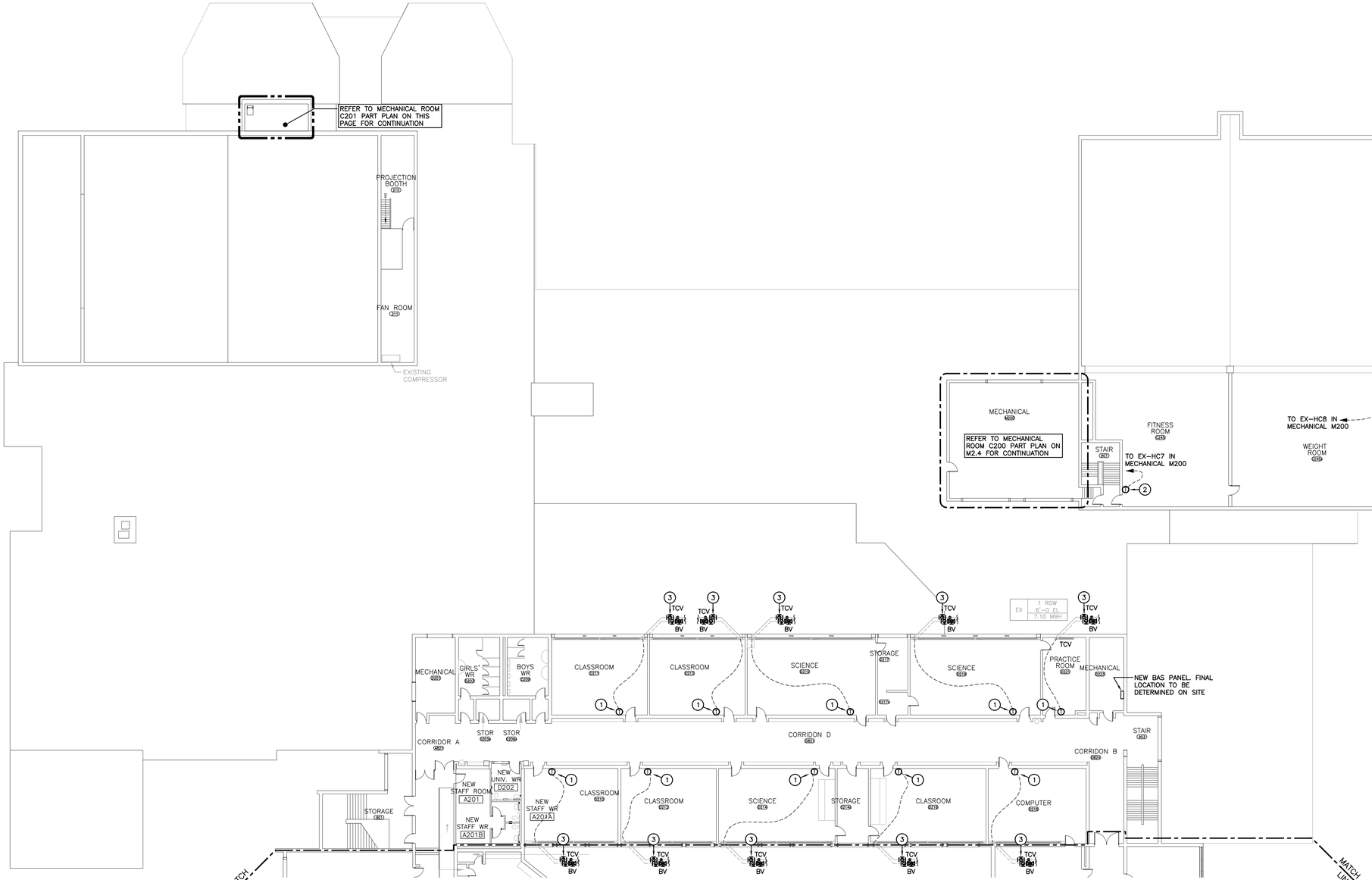
PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL
55 McKay Street Cambridge, Ontario

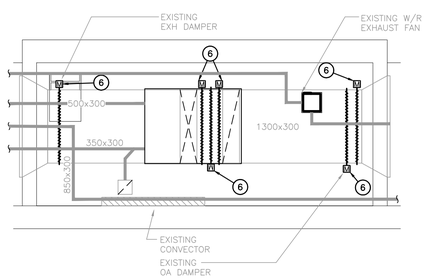
DRAWING TITLE

FIRST FLOOR PART PLAN - BLOCK B BAS (PHASE 1)

SCALE	DRAWING NUMBER
AS NOTED	M2.2
SHEET SIZE: 24x36	
PROJECT NUMBER	



SECOND FLOOR PART PLAN – BLOCK A BAS (PHASE 1)
SCALE: 1:200



MECHANICAL ROOM C201 PART PLAN (PHASE 1)
SCALE: 1:50

ALL EXISTING PNEUMATIC PIPING/TUBING SHOWN OR OTHERWISE SHALL BE REMOVED COMPLETE WHERE ACCESSIBLE WITH CEILINGS OR EXPOSED.

IDENTIFIED PRICE WORK

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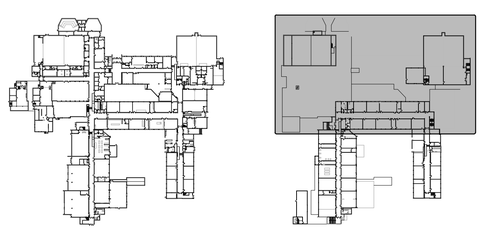

KEY PLAN
SCALE: N.T.S.

GENERAL DEMOLITION NOTES

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6. EXISTING PNEUMATIC MOTORIZED DAMPER ACTUATOR TO BE REMOVED COMPLETE. PROVIDE NEW DDC ACTUATOR.

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	2025.01.31
2	ISSUED FOR PERMIT & TENDER	2025.03.05

PROJECT NORTH

LICENSED PROFESSIONAL ENGINEER
5 Mar 25
M.B. WHITE
100149074
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
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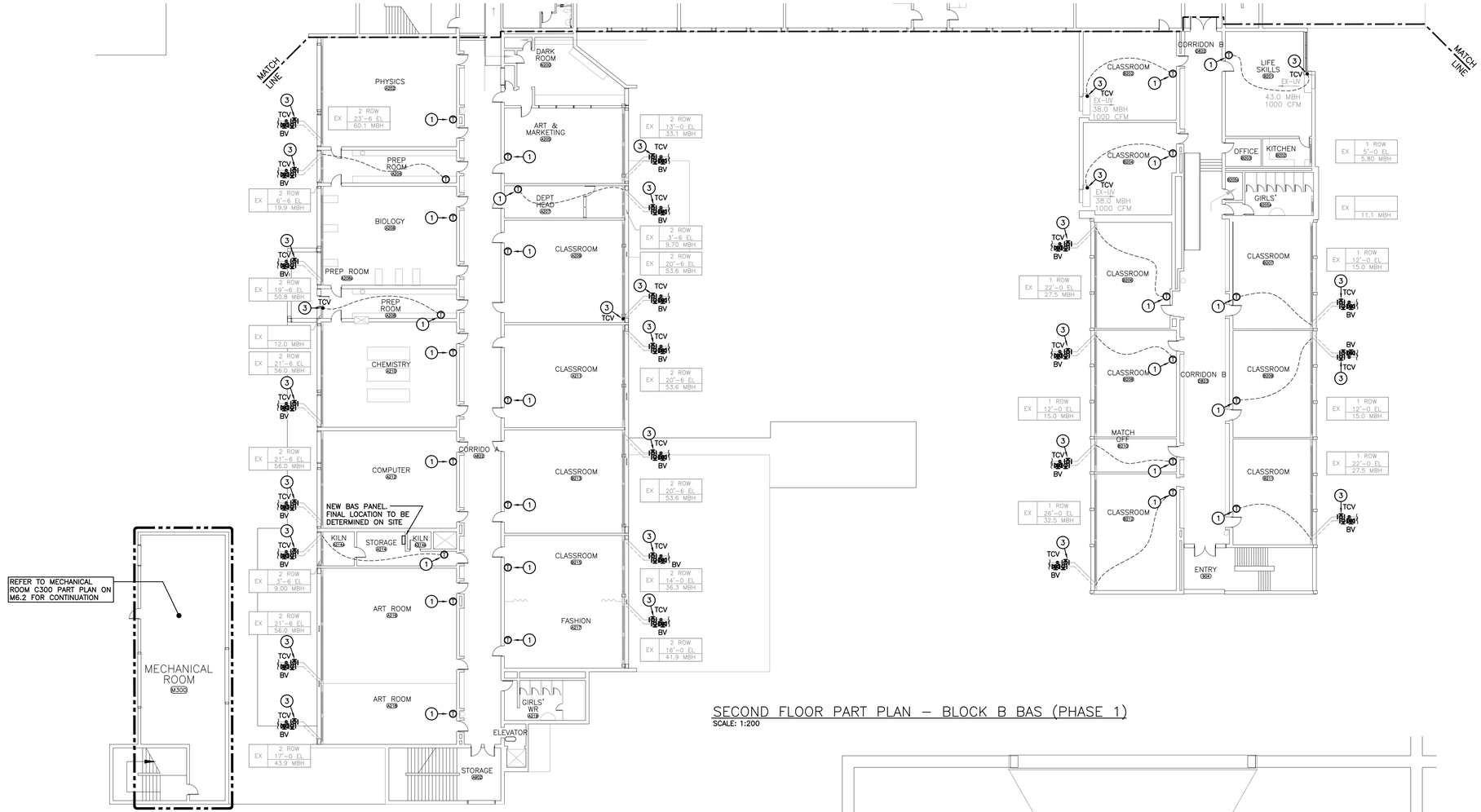
CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL
55 McKay Street Cambridge, Ontario

DRAWING TITLE
SECOND FLOOR PART PLAN - BLOCK A BAS (PHASE 1)

SCALE: AS NOTED
SHEET SIZE: 24x36
PROJECT NUMBER:
DRAWING NUMBER: M2.3



SECOND FLOOR PART PLAN – BLOCK B BAS (PHASE 1)
SCALE: 1:200

NOTE:
ALL EXISTING PNEUMATIC PIPING/TUBING SHOWN OR OTHERWISE SHALL BE REMOVED COMPLETE WHERE ACCESSIBLE WITH CEILINGS OR EXPOSED.

IDENTIFIED PRICE WORK

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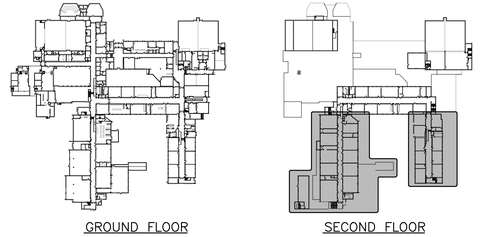

KEY PLAN
SCALE: N.T.S.

GENERAL DEMOLITION NOTES

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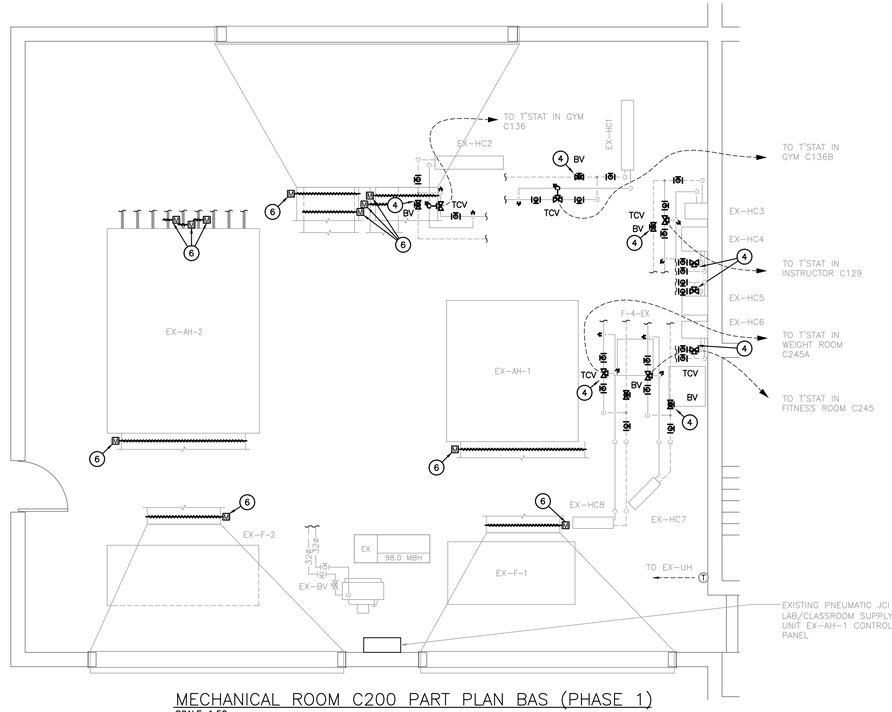

MECHANICAL ROOM C200 PART PLAN BAS (PHASE 1)
SCALE: 1:50

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	2025.01.31
2	ISSUED FOR PERMIT & TENDER	2025.03.05

PROJECT NORTH

LICENSED PROFESSIONAL ENGINEER
5 Mar 25
M.B. WHITE
100149074
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

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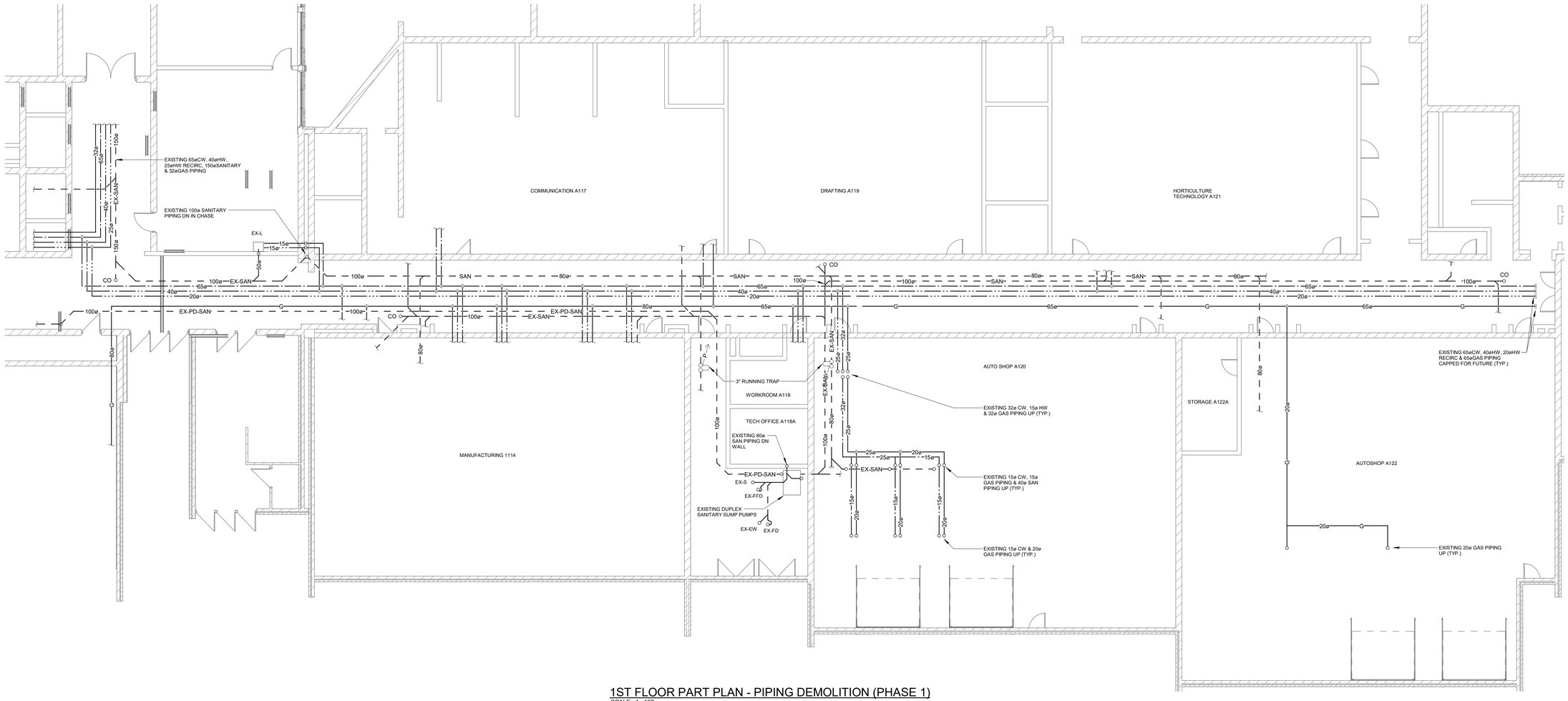
CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

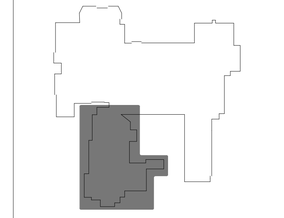
PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL
55 McKay Street Cambridge, Ontario

DRAWING TITLE
SECOND FLOOR PART PLAN - BLOCK B BAS (PHASE 1)

SCALE: AS NOTED
SHEET SIZE: 24x36
PROJECT NUMBER:
DRAWING NUMBER: M2.4



1ST FLOOR PART PLAN - PIPING DEMOLITION (PHASE 1)
SCALE: 1 : 100



KEY PLAN
SCALE: N.T.S.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	25.01.31

CHRONOLOGY	DATE

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road,
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Phone: 519-725-3555
Website: deiassociates.ca
Project Number:24162

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101 Randall Drive, Unit B, Waterloo ON, T0, 519 884 2711 www.abaarchitect.ca

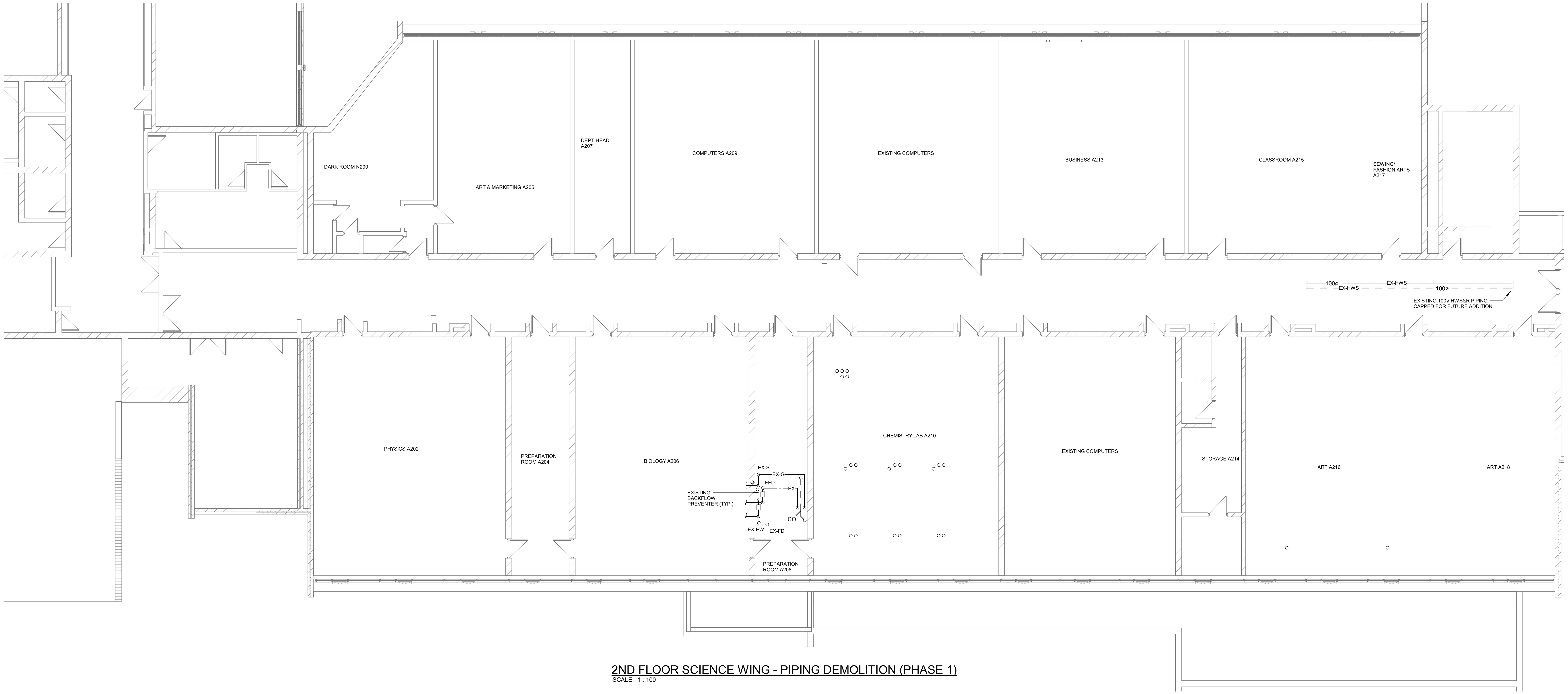
CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
Glenview Park SS - Science/Elevator Reno
55 McKay St, Cambridge, ON N1R 4G8

DRAWING TITLE
LEVEL 1 - PIPING DEMOLITION (PHASE 1)

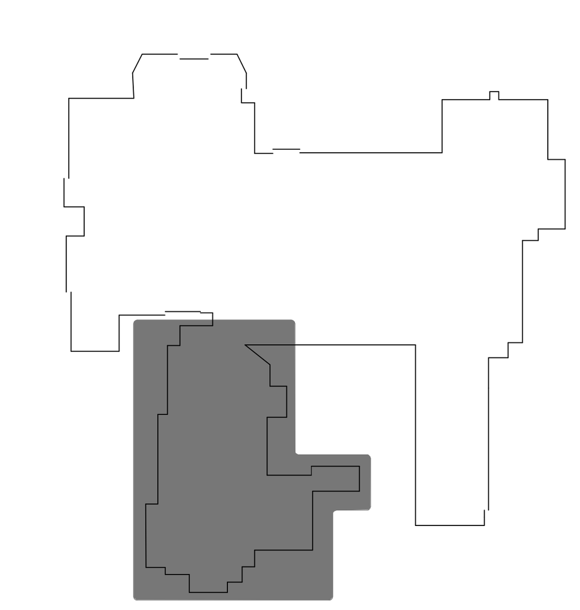
SCALE: As indicated
SHEET SIZE: 24X36
PROJECT NUMBER: 24162
DRAWING NUMBER: M3.1

2025-03-05 2:49:45 PM C:_Revit\24162 MR\SB Glenview Park SS Mech Central (R#123)_constemonMR22P.rvt



2ND FLOOR SCIENCE WING - PIPING DEMOLITION (PHASE 1)

SCALE: 1 : 100



KEY PLAN

SCALE: N.T.S.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	25.01.31

CHRONOLOGY	DATE

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
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Project Number:24162

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WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

Glenview Park SS - Science/Elevator Reno
55 McKay St, Cambridge, ON N1R 4G8

DRAWING TITLE

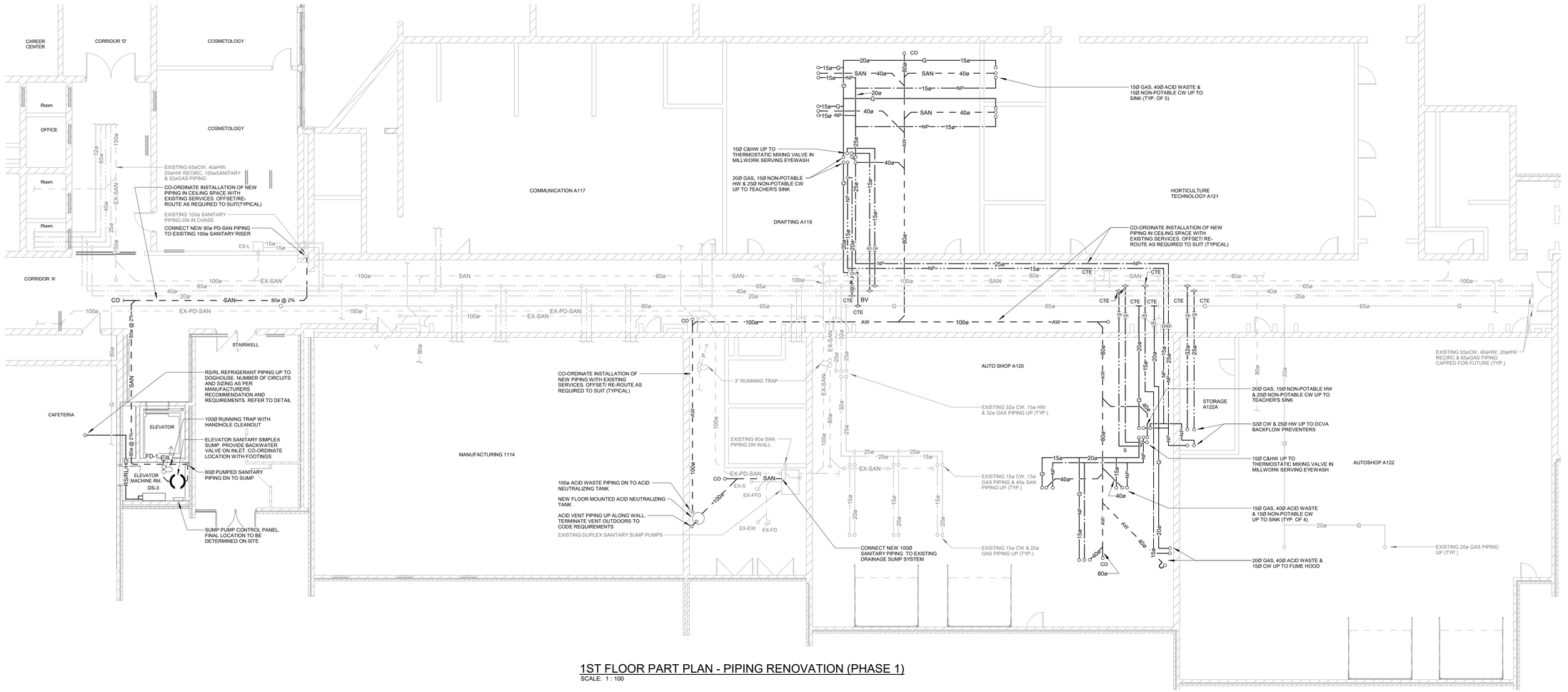
LEVEL 2 - SCIENCE WING - PIPING DEMOLITION (PHASE 1)

SCALE: As indicated

SHEET SIZE: 24X36

PROJECT NUMBER: 24162

DRAWING NUMBER: M3.2

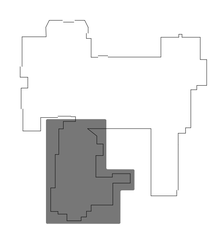


1ST FLOOR PART PLAN - PIPING RENOVATION (PHASE 1)

SCALE: 1 : 100

GENERAL RENOVATION NOTES

- SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS, CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MINIMUM 3700mm (12'-0") FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
- CONTRACTOR TO CARRY IN THEIR PRICING TO DRAIN SYSTEM OR FREEZE PIPING TO COMPLETE WORK.



KEY PLAN

SCALE: N.T.S.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	25.01.31

CHRONOLOGY	DATE

DEI Consulting Engineers
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Project Number:24162

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101 Randall Drive, Unit 6, Waterloo, ON, T0, 519 884 3111 | www.abaarchitect.ca

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

Glenview Park SS - Science/Elevator Reno

55 McKay St, Cambridge, ON N1R 4G8

DRAWING TITLE

LEVEL 1 - SCIENCE WING - PIPING RENOVATION(PHASE 1)

SCALE	DRAWING NUMBER
As indicated	M3.3
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

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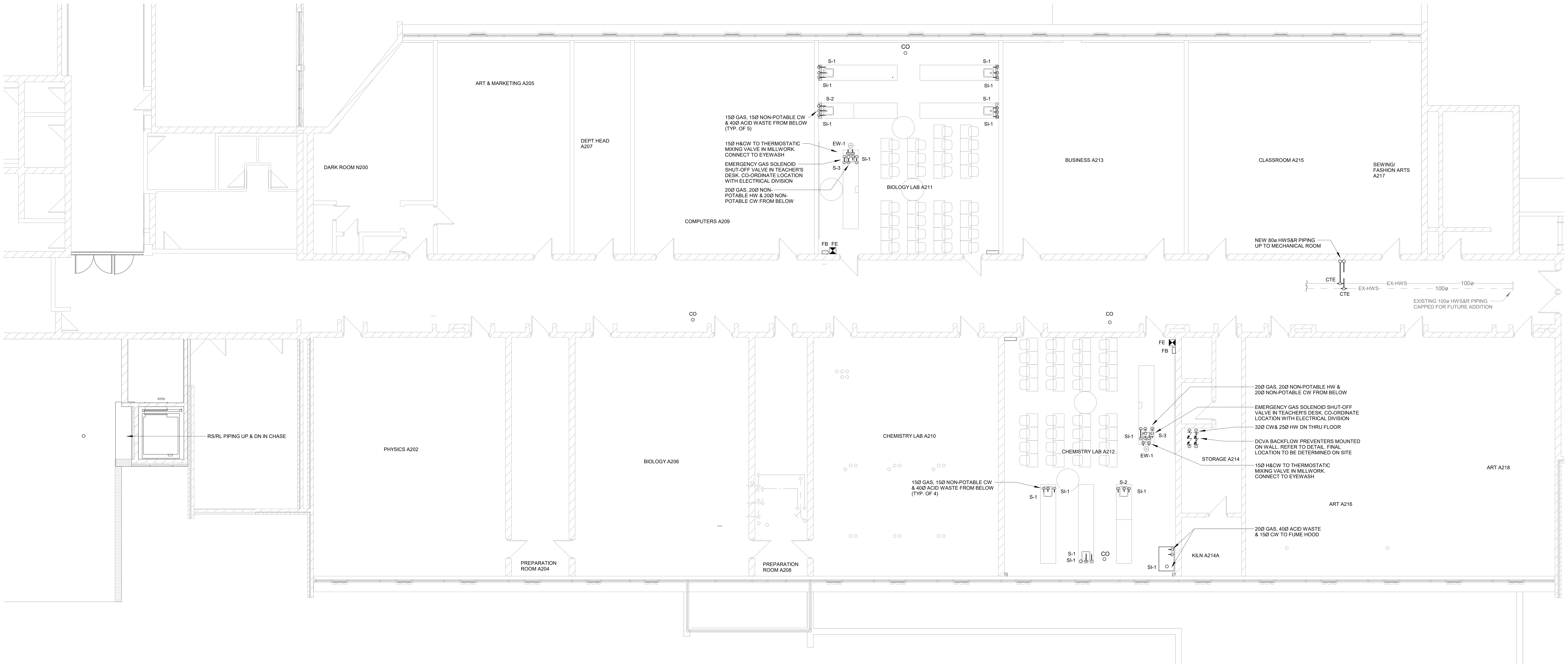
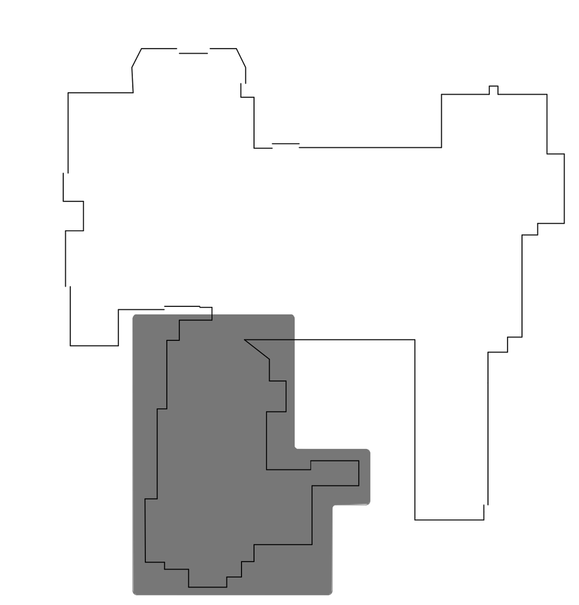


2ND FLOOR SCIENCE WING - PIPING RENOVATION (PHASE 1)

SCALE: 1 : 100

GENERAL RENOVATION NOTES

- SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS, CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MINIMUM 3700mm (12'-0") FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
- CONTRACTOR TO CARRY IN THEIR PRICING TO DRAIN SYSTEM OR FREEZE PIPING TO COMPLETE WORK
- EXTEND CLEANOUTS UP THROUGH FLOOR (TYPICAL).



KEY PLAN

SCALE: N.T.S.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	25.01.31

CHRONOLOGY	DATE

DEI Consulting Engineers
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Project Number:24162

aba architects inc.

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

Glenview Park SS - Science/Elevator Reno

55 McKay St, Cambridge, ON N1R 4G8

DRAWING TITLE

LEVEL 2 - SCIENCE WING - PIPING RENOVATION(PHASE 1)

SCALE	DRAWING NUMBER
As indicated	M3.4
SHEET SIZE 24X36	
PROJECT NUMBER 24162	

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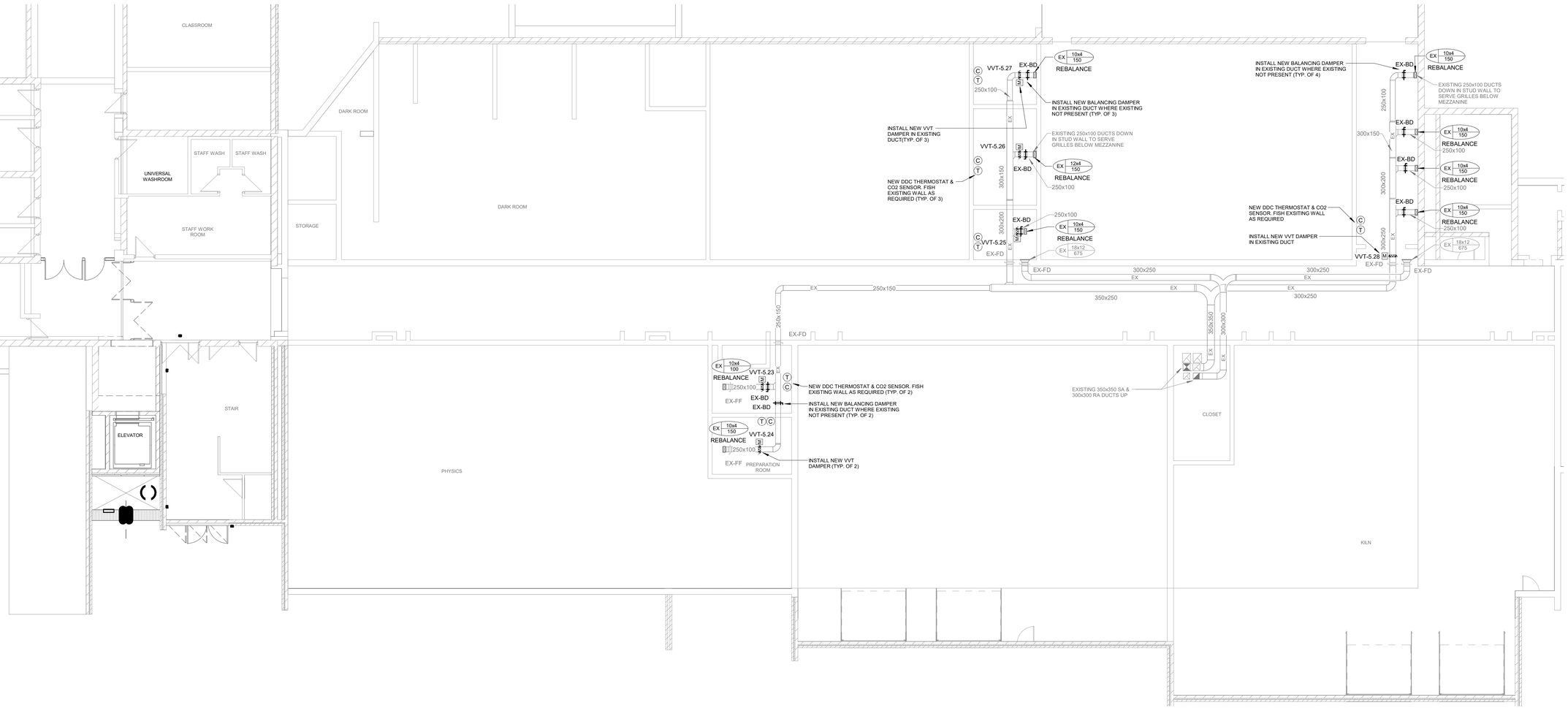
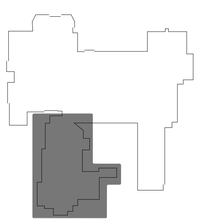


1ST FLOOR PART PLAN - VENTILATION RENOVATION (PHASE 1)

SCALE: 1 : 100

GENERAL RENOVATION NOTES

- CO-ORDINATE LOCATIONS OF GRILLES/DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLANS. FINAL LOCATION TO BE DETERMINED ON SITE. CONTRACTOR TO NOTIFY CONSULTANT OF ANY DISCREPANCIES PRIOR TO INSTALLATION. FAILURE TO DO SO WILL RESULT IN RELOCATION COSTS BORNE BY THIS CONTRACTOR.



KEY PLAN

SCALE: N.T.S.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	25.01.31

CHRONOLOGY	DATE

DEI Consulting Engineers
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CLIENT: WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

Glenview Park SS - Science/Elevator Reno

55 McKay St, Cambridge, ON N1R 4G8

DRAWING TITLE

LEVEL 1 - SCIENCE WING - VENTILATION RENOVATION (PHASE 1)

SCALE	DRAWING NUMBER
As indicated	M4.1
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

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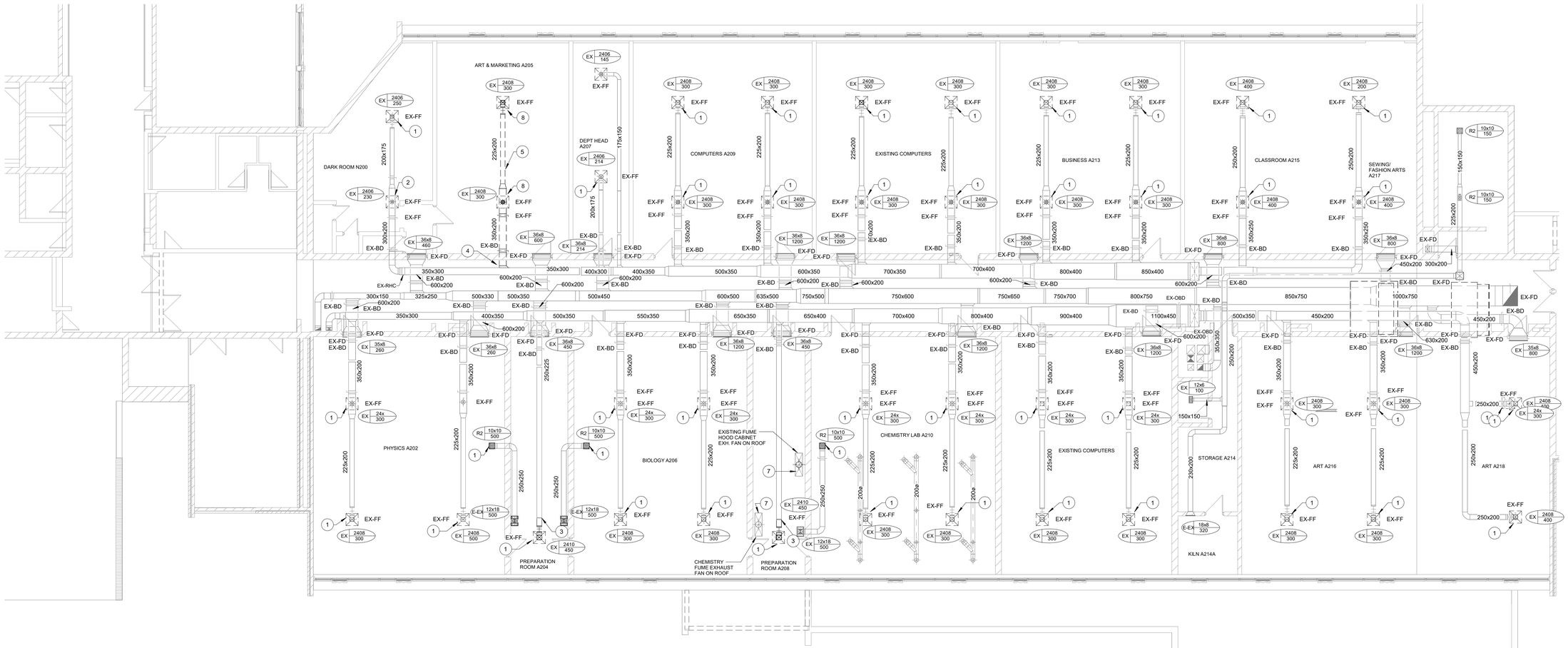
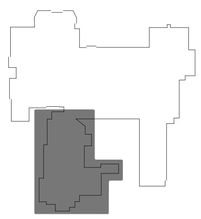


2ND FLOOR SCIENCE WING - VENTILATION DEMOLITION (PHASE 1)

SCALE: 1 : 100



KEY PLAN

SCALE: N.T.S.

GENERAL DEMOLITION NOTES

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.
- EXISTING PNEUMATIC THERMOSTAT/SENSOR TO BE REMOVED COMPLETE. REMOVE WIRING/TUBING BACK TO SOURCE. EXISTING PNEUMATIC TUBING TO BE SOLDERED/CRIMPED IN CONCEALED LOCATION. PROVIDE NEW DDC THERMOSTAT.

SPECIFIC DEMOLITION NOTES

1. EXISTING DIFFUSER/GRILLE TO BE REMOVED COMPLETE & REPLACED WITH NEW.
2. EXISTING DIFFUSER/GRILLE TO BE REMOVED COMPLETE. EXISTING DUCTWORK TO BE CUT & CAPPED AT BRANCH MAIN AND REMOVED BEYOND COMPLETE.
3. EXISTING DUCTWORK TO BE CUT & CAPPED AND REMOVED BEYOND COMPLETE.
4. EXISTING DUCTWORK TO BE CUT AND REMOVED BEYOND COMPLETE.
5. EXISTING DUCTWORK TO BE REMOVED COMPLETE.
6. EXISTING DIFFUSER/GRILLE TO BE REMOVED COMPLETE.
7. EXISTING DUCTWORK TO BE TEMPORARILY REMOVED TO ACCOMMODATS NEW CEILING WORK. RE-INSTALL SAME.
8. EXISTING DIFFUSER/ GRILLE TO BE REMOVED COMPLETE.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	25.01.31

CHRONOLOGY	DATE

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
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Project Number:24162

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

Glenview Park SS - Science/Elevator Reno

55 McKay St, Cambridge, ON N1R 4G8

DRAWING TITLE

LEVEL 2 - SCIENCE WING - VENTILATION DEMOLITION (PHASE 1)

SCALE	DRAWING NUMBER
As indicated	M4.2
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

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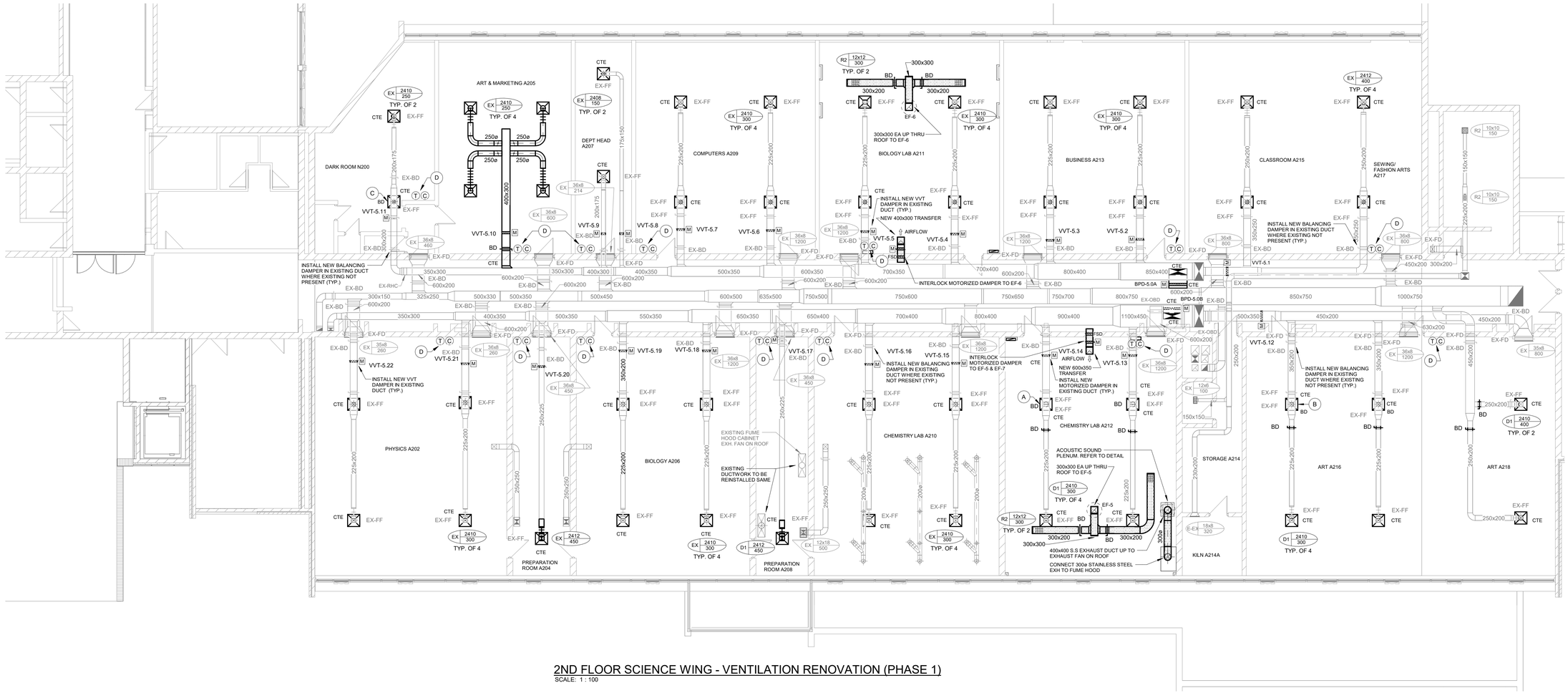


2ND FLOOR SCIENCE WING - VENTILATION RENOVATION (PHASE 1)

SCALE: 1 : 100

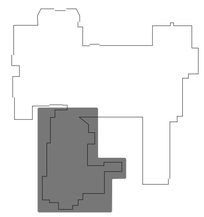
SPECIFIC RENOVATION NOTES

A. INSTALL NEW BALANCING DAMPER IN EXISTING DUCT WHERE EXISTING BRANCH BD IN NOT PRESENT (TYP. OF 4)

B. INSTALL NEW BALANCING DAMPER IN EXISTING DUCT WHERE EXISTING BRANCH BD IN NOT PRESENT (TYP. OF 6)

C. INSTALL NEW BALANCING DAMPER IN EXISTING DUCT WHERE EXISTING BRANCH BD IN NOT PRESENT (TYP. OF 2)

D. NEW DDC THERMOSTAT & CO2 SENSOR. INSTALL IN EXISTING/ NEW CLASSROOM CONTROL PANEL. FISH EXISTING WALL FOR NEW CONTROL WIRING.



KEY PLAN

SCALE: N.T.S.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	25.01.31

CHRONOLOGY	DATE

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road,
Waterloo, ON, N2V 1Y8
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Project Number:24162

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101 Randall Drive, Unit 6, Waterloo, ON, T0, 519 884 3111, www.abaarchitect.ca

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

Glenview Park SS - Science/Elevator Reno

55 McKay St, Cambridge, ON N1R 4G8

DRAWING TITLE

LEVEL 2 - SCIENCE WING - VENTILATION RENOVATION (PHASE 1)

SCALE	DRAWING NUMBER
As indicated	M4.3
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

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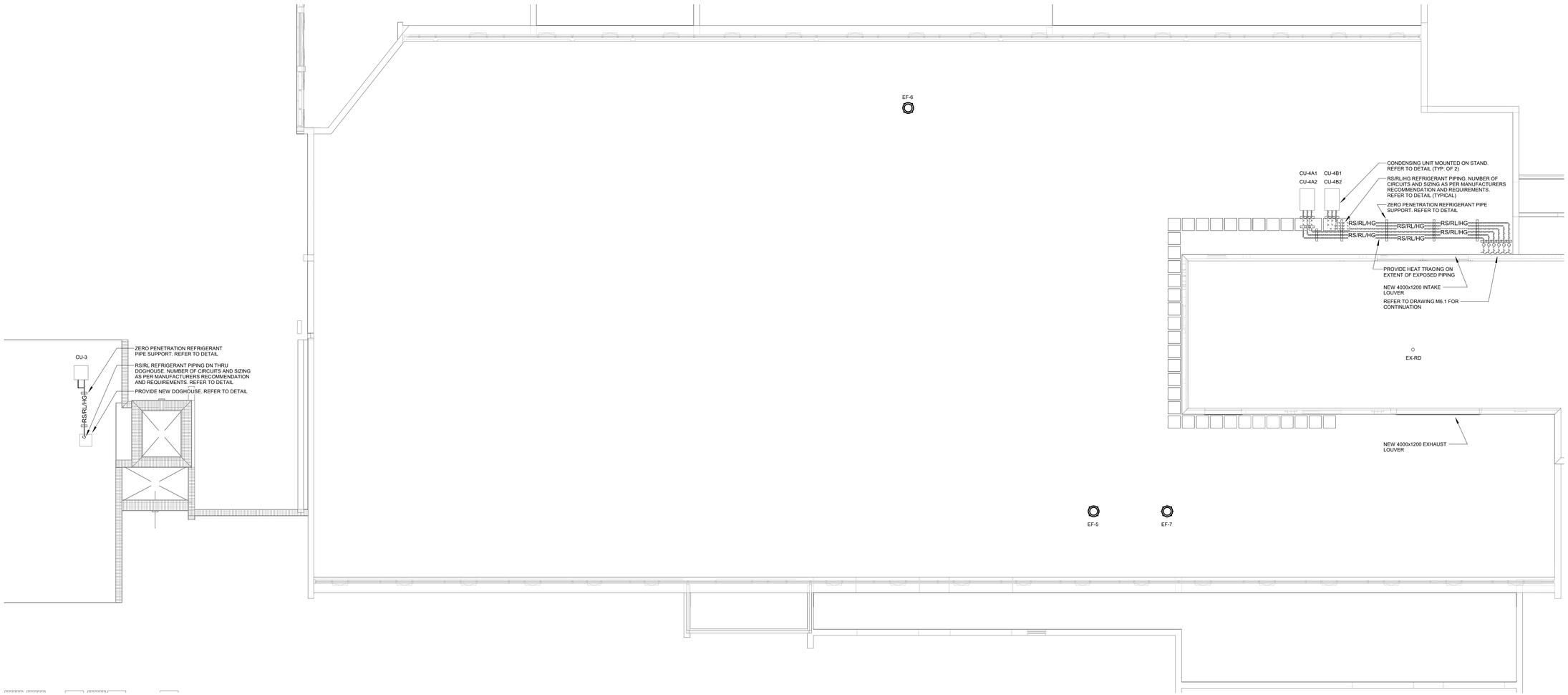

ROOF PART PLAN - RENOVATION (PHASE 1)

SCALE: 1 : 100

GENERAL NOTES

- MAINTAIN MINIMUM 3700mm (12'-0") LATERAL DISTANCE BETWEEN SANITARY VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- MAINTAIN MINIMUM 3000mm (10'-0") LATERAL DISTANCE BETWEEN PRV, FUEL FIRED APPLIANCE, AND/OR EXHAUST VENTS AND ALL AIR INTAKE/EXHAUST OPENINGS.
- ALL EQUIPMENT SHALL BE MINIMUM 3.0M FROM EDGE OF ROOF.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	25.01.31

CHRONOLOGY	DATE

DEI Consulting Engineers
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55 Northland Road,
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Website: deiassociates.ca
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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

Glenview Park SS - Science/Elevator Reno

55 McKay St, Cambridge, ON N1R 4G8

DRAWING TITLE

ROOF PART PLAN - RENOVATION (PHASE 1)

SCALE	DRAWING NUMBER
1 : 100	M5.1
SHEET SIZE	
24X36	
PROJECT NUMBER	
24162	

2025-03-05 2:49:54 PM C:_Revit\24162 WRDSB Glenview Park SS Mech Cam\tol (RVT23)_cpatemanWRDSBP.rvt

GENERAL DEMOLITION NOTES

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.

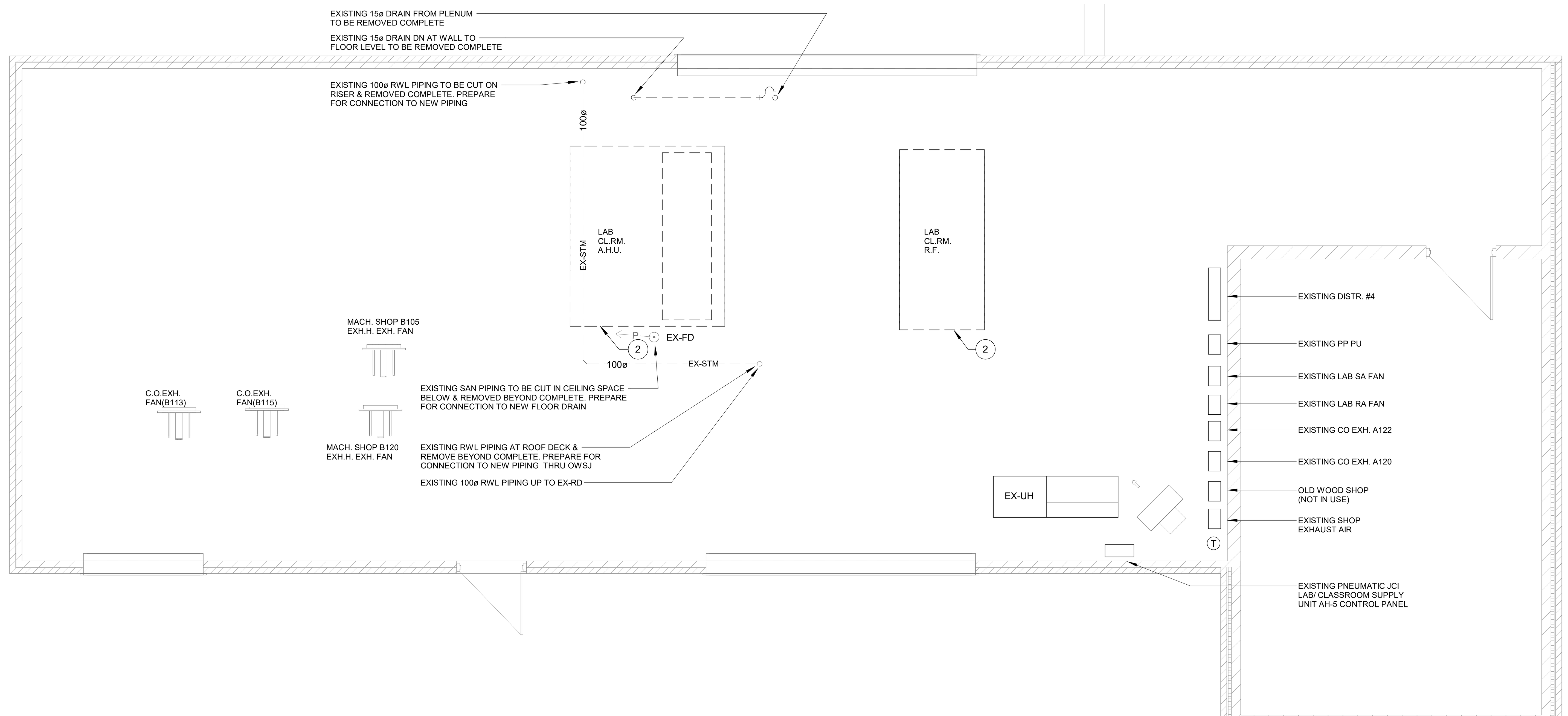
SPECIFIC DEMOLITION NOTES

1. EXISTING DUCTWORK TO BE CUT AND REMOVED BEYOND COMPLETE.
2. EXISTING FAN/UNIT TO BE REMOVED COMPLETE.
3. EXISTING DUCTWORK TO BE REMOVED COMPLETE.
4. EXISTING BLOCK WALL (BELOW LOUVER) TO BE TEMPORARILY REMOVED TO ACCOMMODATS INSTALLATION OF NEW UNIT INTO ROOM. REFER TO ARCHICTURAL DRAWINGS FOR EXTENT OF BLOCK WALL REMOVAL.
5. EXISTING LOUVER TO BE REMOVED COMPLETE.
6. EXISTING PNEUMATIC MOTORIZED DAMPER ACTUATOR TO BE REMOVED COMPLETE. EXISTING COMPRESSED AIR TUBING/ CONTROL TO BE REMOVED COMPLETE/ BACK TO SOURCE. EXISTING PNEUMATIC TUBING TO BE SOLDERED/CRIMPED IN CONCEALED LOCATION.
7. EXISTING PNEUMATIC MOTORIZED DAMPER TO BE REMOVED COMPLETE. EXISTING COMPRESSED AIR TUBING/ CONTROL TO BE REMOVED COMPLETE/ BACK TO SOURCE. EXISTING PNEUMATIC TUBING TO BE SOLDERED/CRIMPED IN CONCEALED LOCATION.

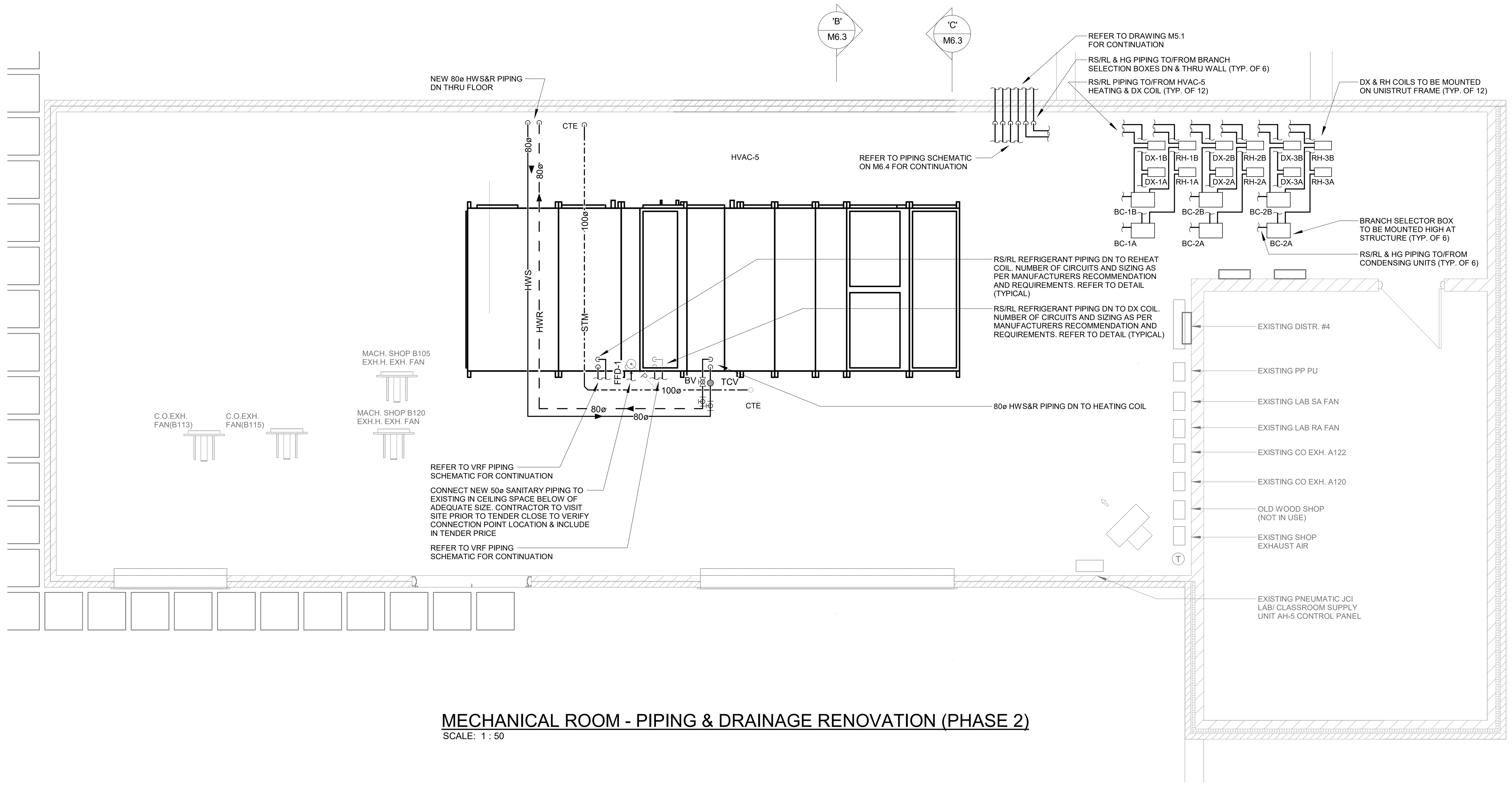
SPECIFIC RENOVATION NOTES

A. NEW DDC MOTORIZED DAMPER ACTUATOR. PROVIDE NEW CONTROL WIRING.

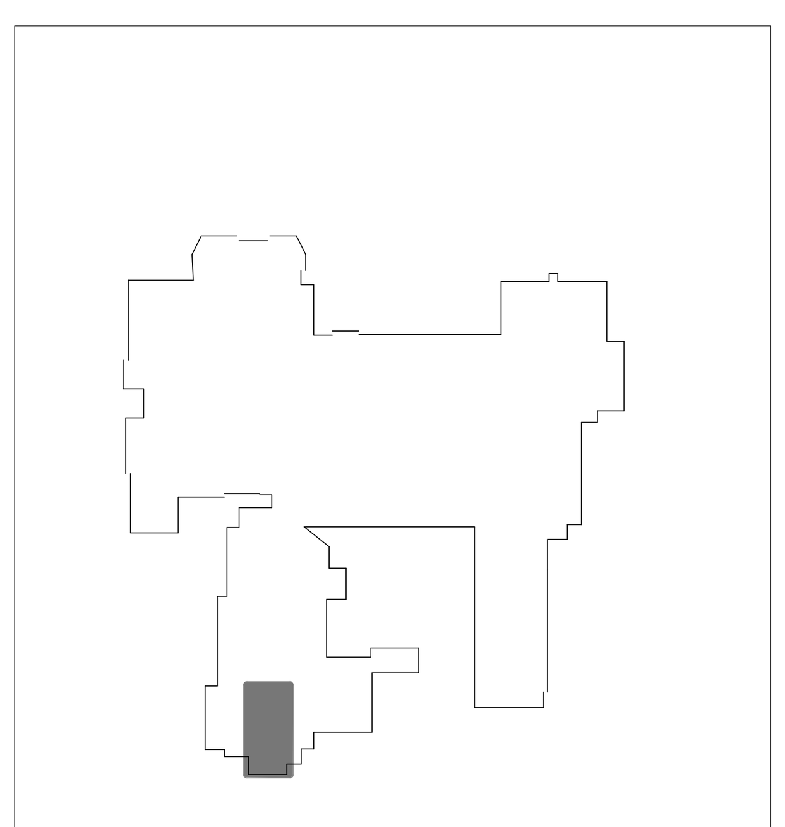
B. NEW MOTORIZED DAMPER & DDC ACTUATOR.



MECHANICAL ROOM - PIPING & DRAINAGE DEMOLITION (PHASE 2)
SCALE: 1 : 50



MECHANICAL ROOM - PIPING & DRAINAGE RENOVATION (PHASE 2)
SCALE: 1 : 50



KEY PLAN
SCALE: N.T.S.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	25.01.31

CHRONOLOGY	DATE

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC

aba architects inc.

CLIENT: Waterloo Region District School Board

PROJECT NAME
Glenview Park SS - Science/Elevator Reno
55 McKay St, Cambridge, ON N1R 4G8

DRAWING TITLE
MECH ROOM - PIPING & DRAINAGE DEMO/RENO(PHASE 2)

SCALE: As indicated
SHEET SIZE: 24X36
PROJECT NUMBER: 24162
DRAWING NUMBER: M6.1

2025-03-05 2:49:54 PM C:_Revit\24162 WRDSB Glenview Park SS Mech Central (RVT23)_cpotemanNRG2P.rvt

GENERAL DEMOLITION NOTES

- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILINGS AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.
- EXISTING PNEUMATIC THERMOSTAT/SENSOR TO BE REMOVED COMPLETE. REMOVE WIRING/TUBING BACK TO SOURCE. EXISTING PNEUMATIC TUBING TO BE SOLDERED/CRIMPED IN CONCEALED LOCATION. PROVIDE NEW DDC THERMOSTAT.

SPECIFIC DEMOLITION NOTES

1. EXISTING DUCTWORK TO BE CUT AND REMOVED BEYOND COMPLETE.
2. EXISTING FAN/UNIT TO BE REMOVED COMPLETE.
3. EXISTING DUCTWORK TO BE REMOVED COMPLETE.
4. EXISTING BLOCK WALL (BELOW LOUVER) TO BE TEMPORARILY REMOVED TO ACCOMMODATE INSTALLATION OF NEW UNIT INTO ROOM. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF BLOCK WALL REMOVAL.
5. EXISTING LOUVER TO BE REMOVED COMPLETE.
6. EXISTING PNEUMATIC MOTORIZED DAMPER ACTUATOR TO BE REMOVED COMPLETE. EXISTING COMPRESSED AIR TUBING/ CONTROL TO BE REMOVED COMPLETE/ BACK TO SOURCE. EXISTING PNEUMATIC TUBING TO BE SOLDERED/CRIMPED IN CONCEALED LOCATION.
7. EXISTING PNEUMATIC MOTORIZED DAMPER TO BE REMOVED COMPLETE. EXISTING COMPRESSED AIR TUBING/ CONTROL TO BE REMOVED COMPLETE/ BACK TO SOURCE. EXISTING PNEUMATIC TUBING TO BE SOLDERED/CRIMPED IN CONCEALED LOCATION.

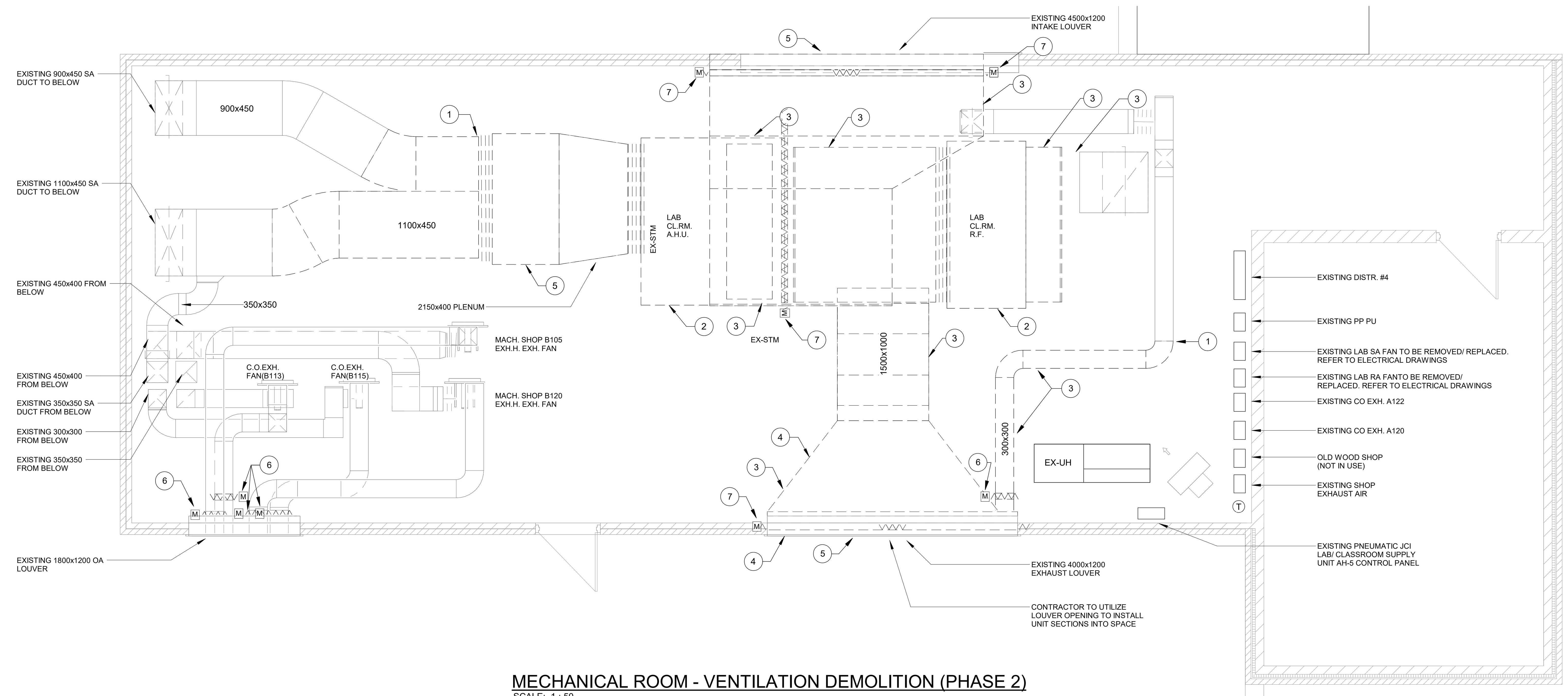
SPECIFIC RENOVATION NOTES

A. NEW DDC MOTORIZED DAMPER ACTUATOR. PROVIDE NEW CONTROL WIRING.

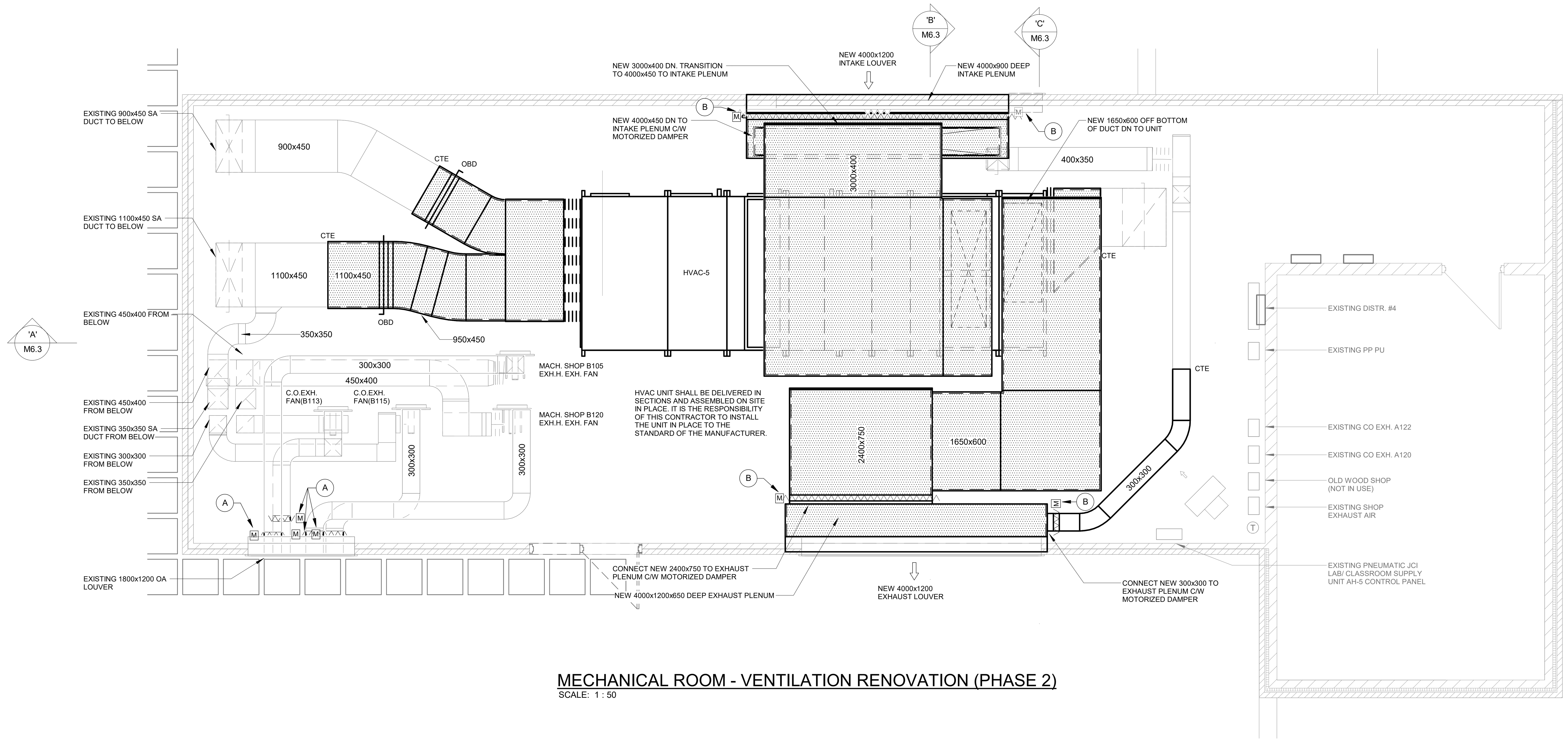
B. NEW MOTORIZED DAMPER & DDC ACTUATOR.

NOTE

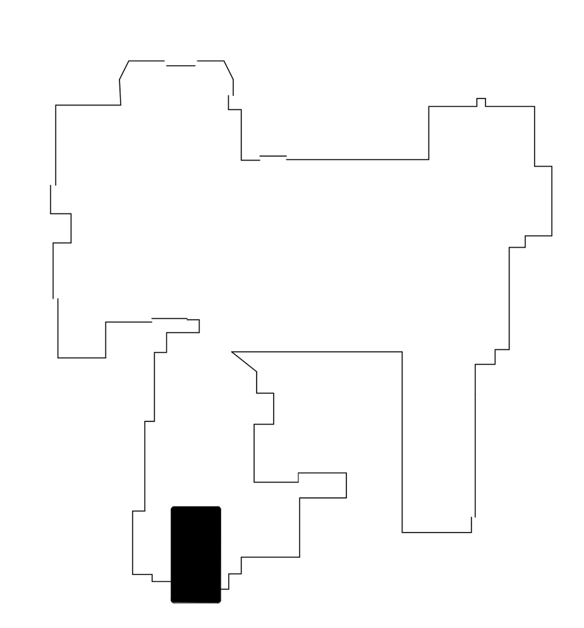
HVAC UNIT SHALL BE DELIVERED IN SECTIONS AND ASSEMBLED ON SITE IN PLACE. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL THE UNIT IN PLACE TO THE STANDARDS OF THE MANUFACTURER



MECHANICAL ROOM - VENTILATION DEMOLITION (PHASE 2)
SCALE: 1 : 50



MECHANICAL ROOM - VENTILATION RENOVATION (PHASE 2)
SCALE: 1 : 50



KEY PLAN
SCALE: N.T.S.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	25.01.31

CHRONOLOGY	DATE

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON, N2V 1Y8

aba architects inc.

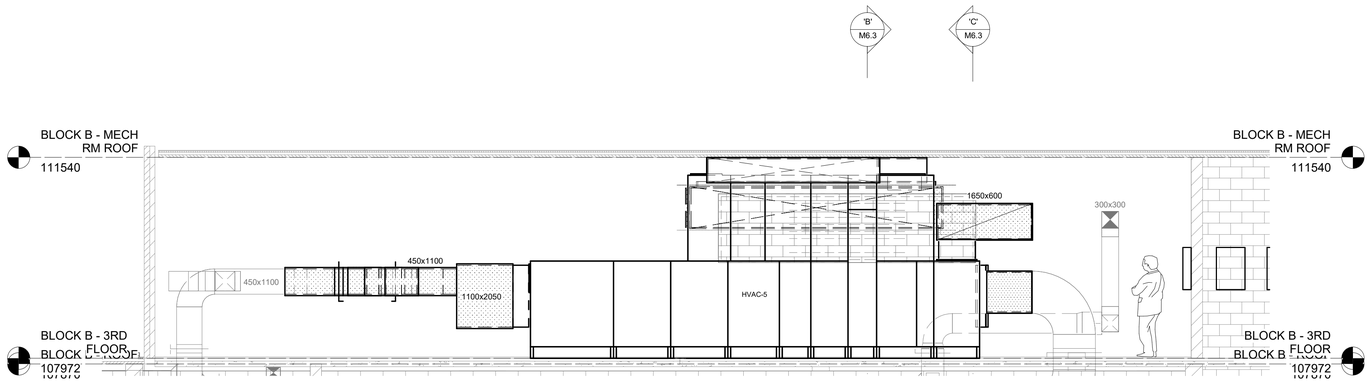
CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
Glenview Park SS - Science/Elevator Reno
55 McKay St, Cambridge, ON N1R 4G8

DRAWING TITLE
MECH ROOM - VENTILATION DEMO/RENO (PHASE 2)

SCALE: As indicated
SHEET SIZE: 24X36
PROJECT NUMBER: 24162
DRAWING NUMBER: M6.2

2025-03-05 2:49:55 PM C:_Revit\24162 WRDSB Glenview Park SS Mech Central (RV23)_cpotternamNRQ2P.rvt



SECTION 'A'
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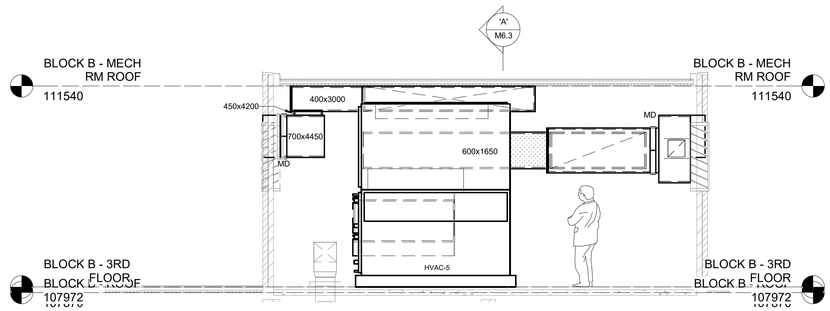

SECTION 'B'
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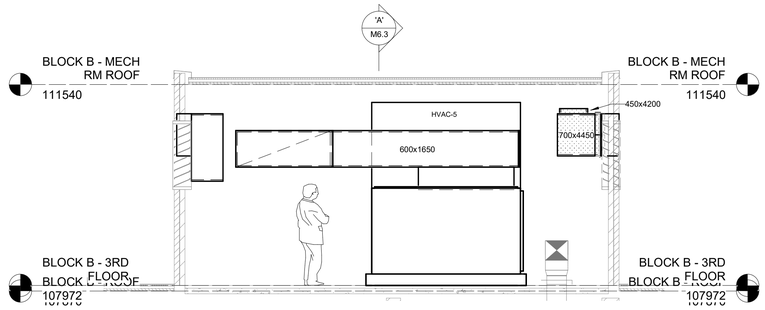

SECTION 'C'
SCALE: 1 : 50

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	25.01.31

CHRONOLOGY	DATE

55 Northland Road,
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Phone: 519-725-3555
Website: deiassociates.ca
Project Number:24162

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150 Broad Street, Unit 3, Waterloo ON, N2L 3T9 519 571 1111 www.abaarchitects.ca

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
Glenview Park SS - Science/Elevator Reno
55 McKay St, Cambridge, ON N1R 4G8

DRAWING TITLE
SECTIONS

SCALE	DRAWING NUMBER
1 : 50	M6.3
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

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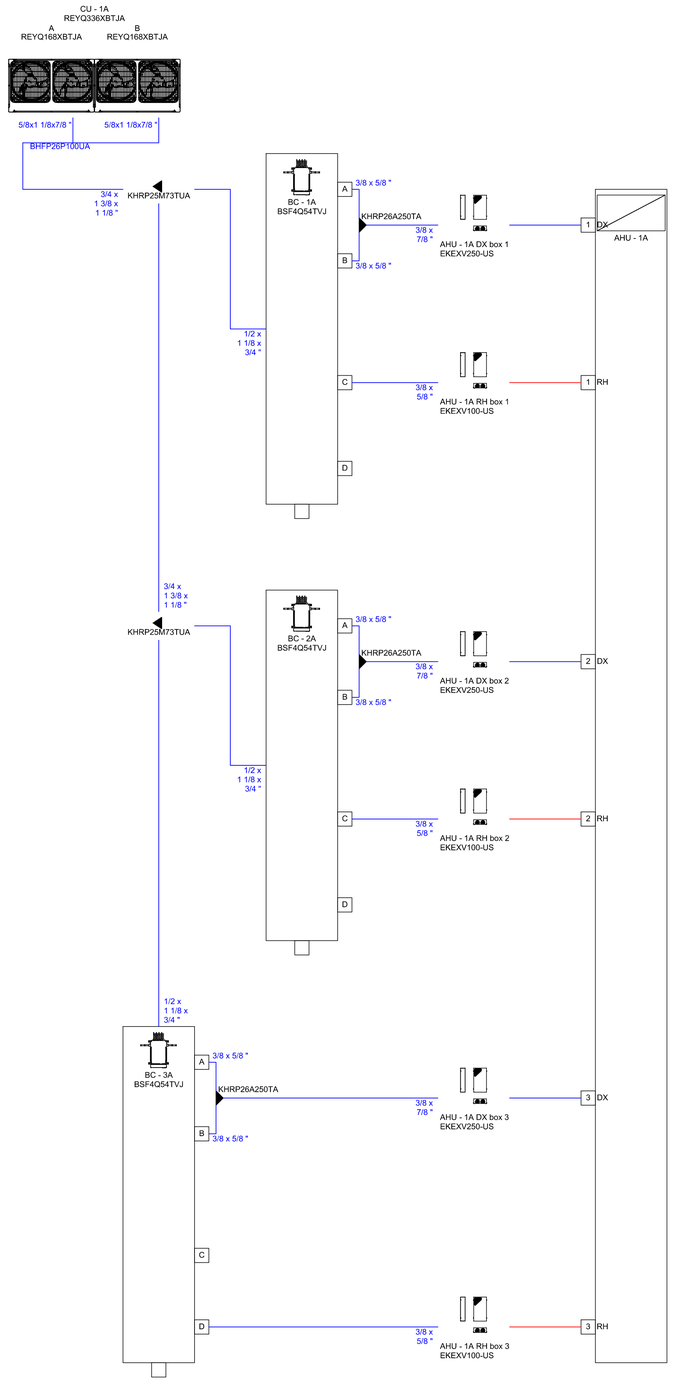
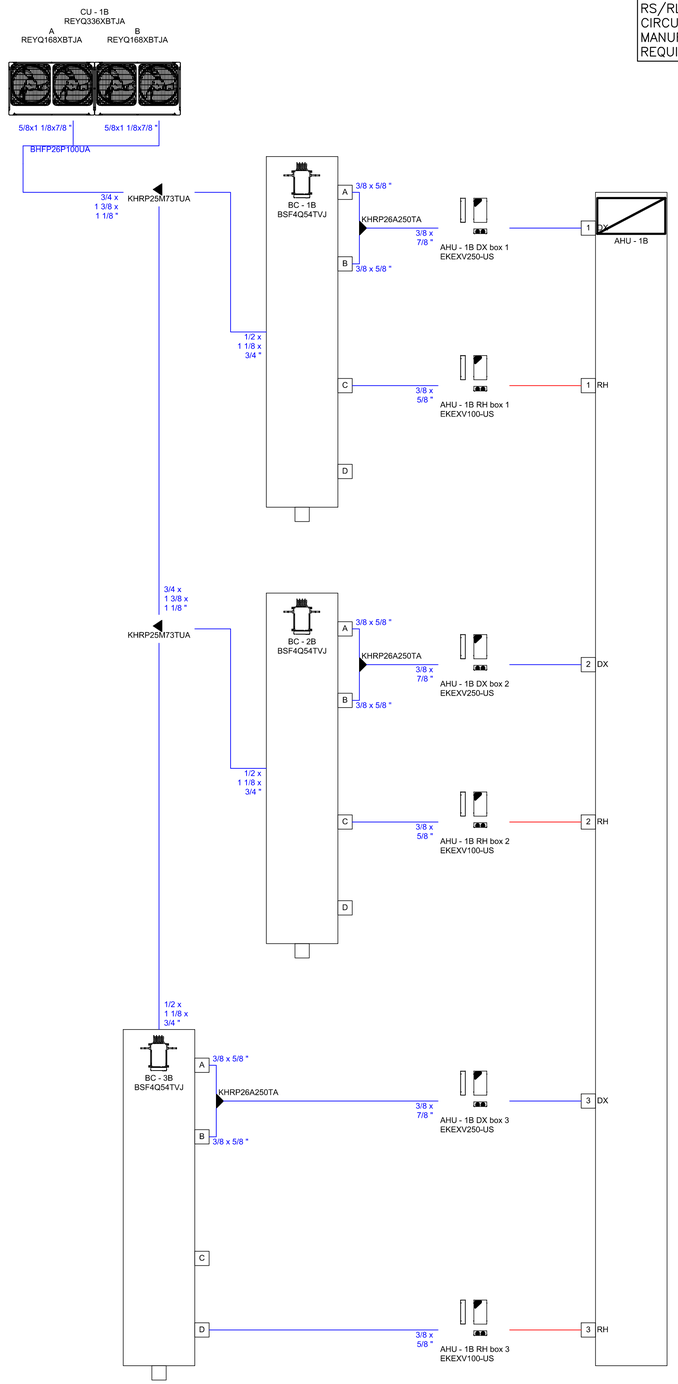


CU–1A PIPING SCHEMATIC



CU–1B PIPING SCHEMATIC

NOTE:
RS/RL REFRIGERANT PIPING. NUMBER OF CIRCUITS AND SIZING AS PER MANUFACTURERS RECOMMENDATION AND REQUIREMENTS. REFER TO DETAIL

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	2025.01.31
2	ISSUED FOR PERMIT & TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
5 Mar 25
M.B. WHITE
100149074
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

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CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL
55 McKay Street Cambridge, Ontario

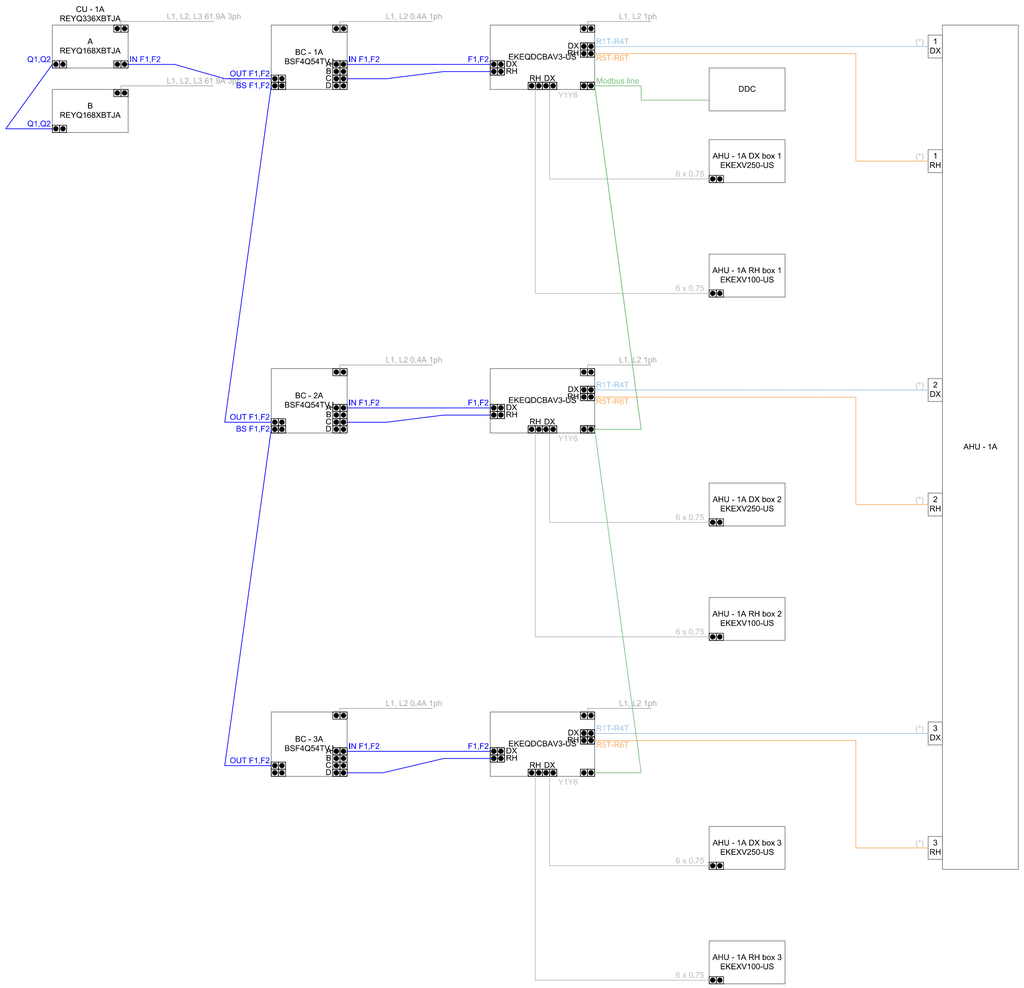
DRAWING TITLE
VRV/ VRF PIPING SCHEMATICS

SCALE
AS NOTED

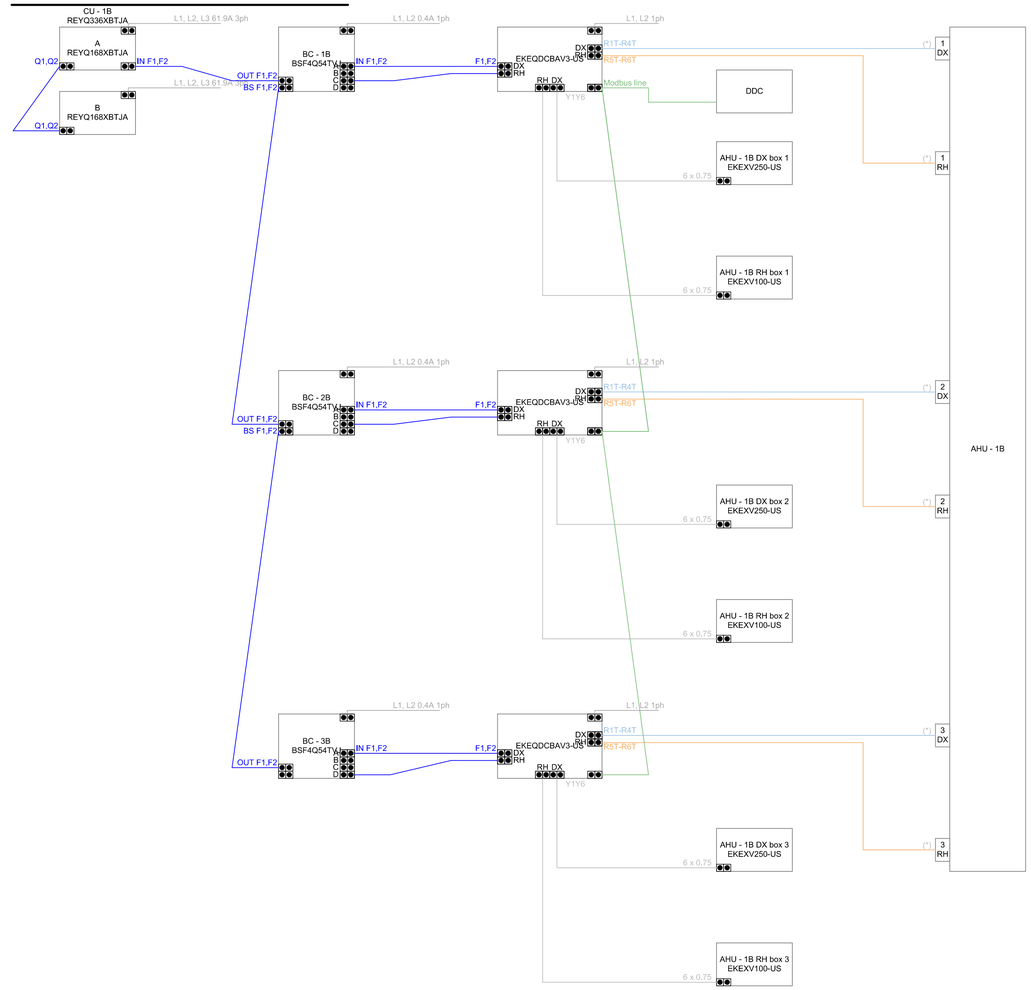
SHEET SIZE
24x36

PROJECT NUMBER

DRAWING NUMBER
M6.4



CU–1A WIRING SCHEMATIC



CU–1B WIRING SCHEMATIC

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	2025.01.31
2	ISSUED FOR PERMIT & TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
5 Mar 25
M.B. WHITE
100149074
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

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Project Number: 24162

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL
55 McKay Street Cambridge, Ontario

DRAWING TITLE

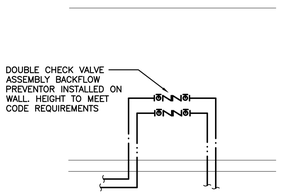
VRV/ VRF WIRING SCHEMATICS

SCALE
AS NOTED

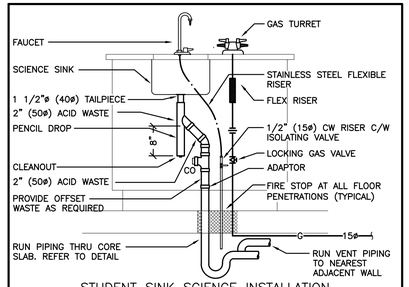
SHEET SIZE
24x36

PROJECT NUMBER

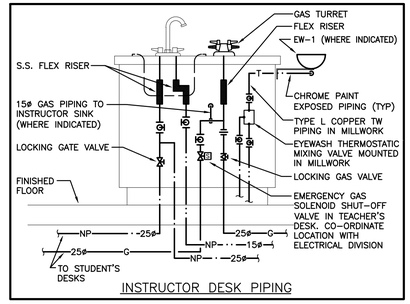
DRAWING NUMBER
M6.5



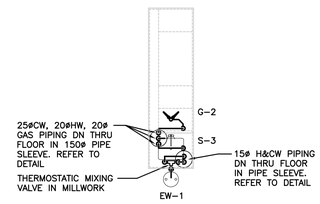
DCVA BACKFLOW PREVENTOR



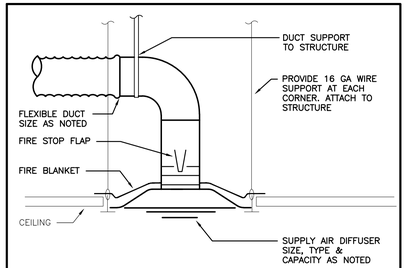
STUDENT SINK SCIENCE INSTALLATION



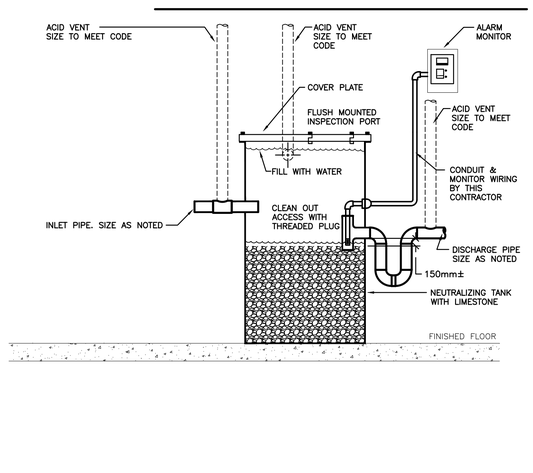
INSTRUCTOR DESK PIPING



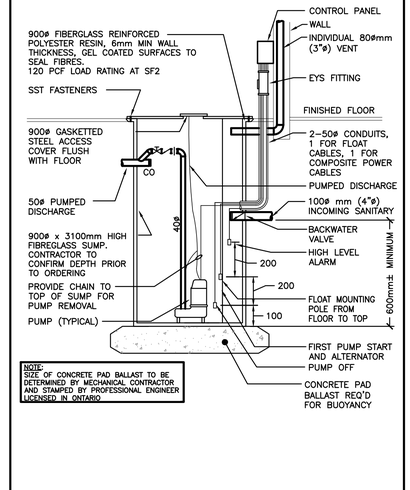
TYPICAL INSTRUCTOR SCIENCE DESK PIPING PLAN



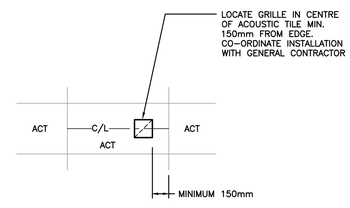
TYPICAL DIFFUSER WITH FIRE STOP FLAP



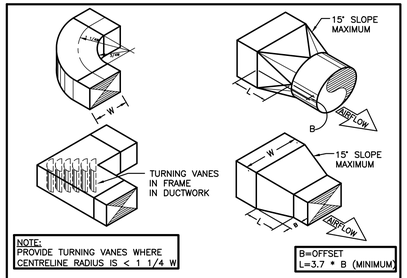
ACID WASTE NEUTRALIZING SYSTEM (ON FLOOR)



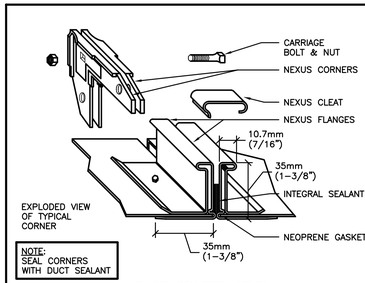
ELEVATOR SANITARY SIMPLEX SUMP & PUMP DETAIL



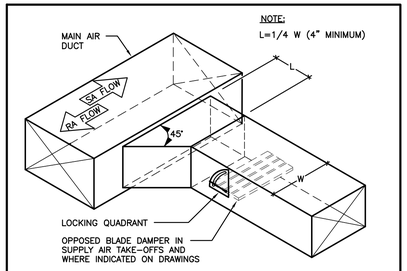
GRILLE IN ACOUSTIC TILE



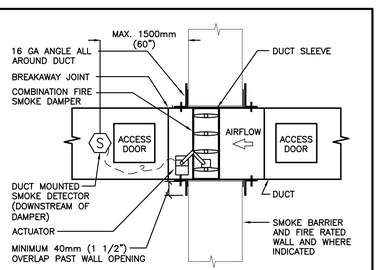
DUCT ELBOWS AND TRANSITIONS



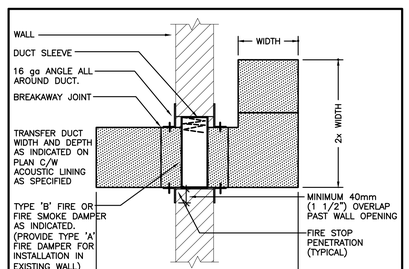
DUCT CONSTRUCTION



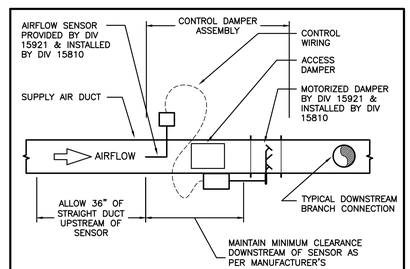
SQUARE DUCT BRANCH TAKEOFF



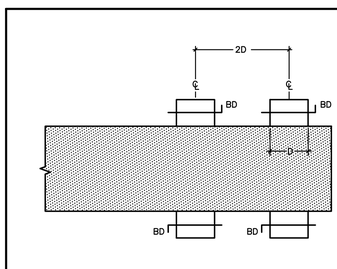
COMBINATION FIRE/SMOKE DAMPER INSTALLATION



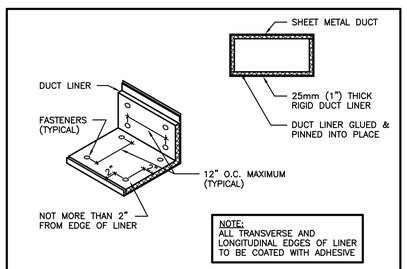
TRANSFER DUCT DETAIL WITH FIRE OR SMOKE DAMPER



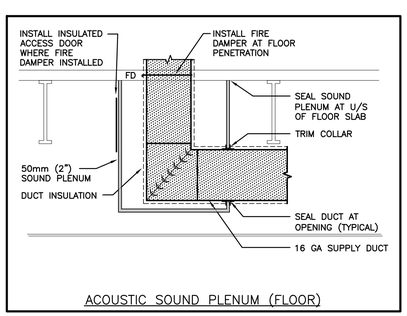
CONTROL DAMPER



MULTIPLE SPIN-IN COLLAR INSTALLATION



ACOUSTIC LINING



ACOUSTIC SOUND PLENUM (FLOOR)

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	2025.01.31
2	ISSUED FOR PERMIT & TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
5 Mar 25
M.B. WHITE
100119074
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

DEI Consulting Engineers
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Project Number: 24262

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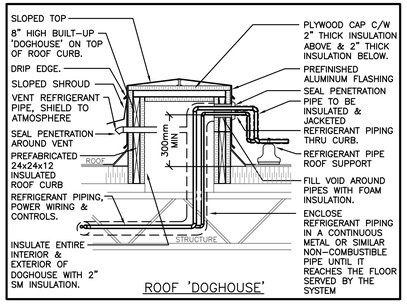
CLIENT: WATERLOO REGION DISTRICT SCHOOL BOARD

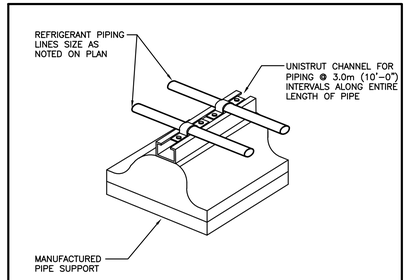
PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL
55 McKay Street Cambridge, Ontario

DRAWING TITLE
DETAILS (PHASE 1)

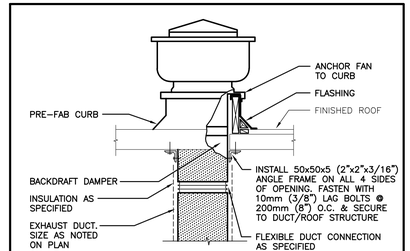
SCALE: AS NOTED
SHEET SIZE: 24x36
PROJECT NUMBER:
DRAWING NUMBER: M7.1



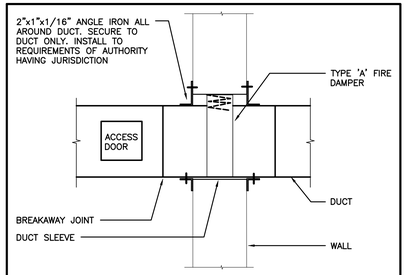
ROOF 'DOGHOUSE'



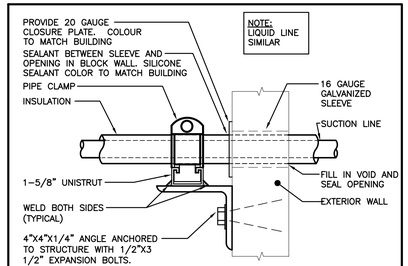
REFRIGERANT PIPE SUPPORT ON ROOF



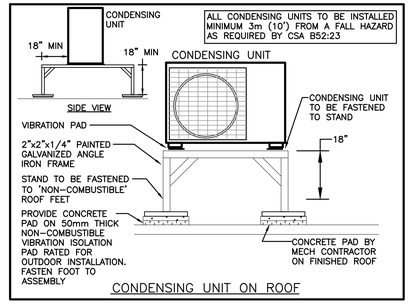
UPBLAST EXHAUST FAN INSTALLATION



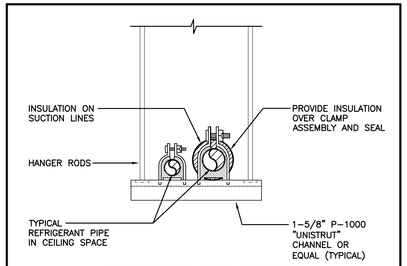
DUCT PENETRATION THRU FIRE SEPARATION



REFRIGERANT PIPE THRU EXTERIOR WALL



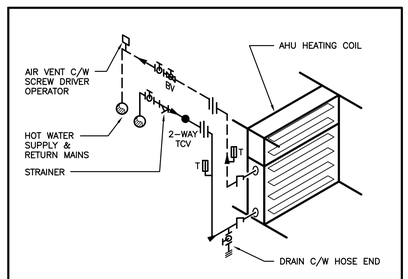
CONDENSING UNIT ON ROOF



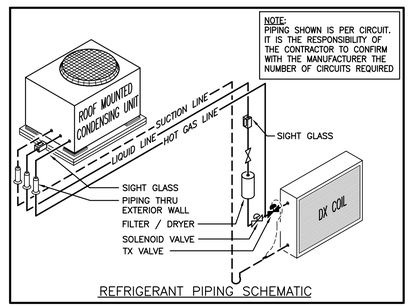
REFRIGERANT PIPE SUPPORT
(ON FLOOR SERVED BY SYSTEM)

(PHASE 1)

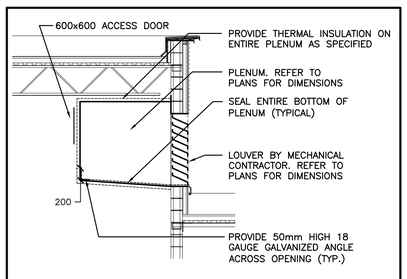
(PHASE 2)



AIR HANDLING UNIT HEATING COIL PIPING (2-WAY VALVE)



REFRIGERANT PIPING SCHEMATIC



LOUVER DETAIL

No.	REVISIONS	DATE
1	ISSUED FOR 75% REVIEW	2025.01.31
2	ISSUED FOR PERMIT & TENDER	2025.03.05

CHRONOLOGY	DATE

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
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Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 24162

aba architects inc.
101 Randall Drive, Unit B, Waterloo ON, TEL 519 884 2711 www.abaarchitect.co

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

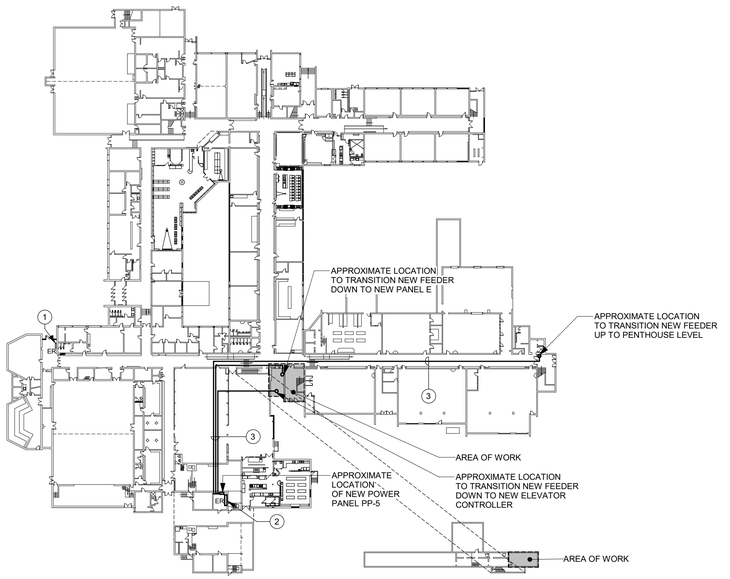
GLENVIEW PARK SECONDARY SCHOOL
55 McKay Street Cambridge, Ontario

DRAWING TITLE

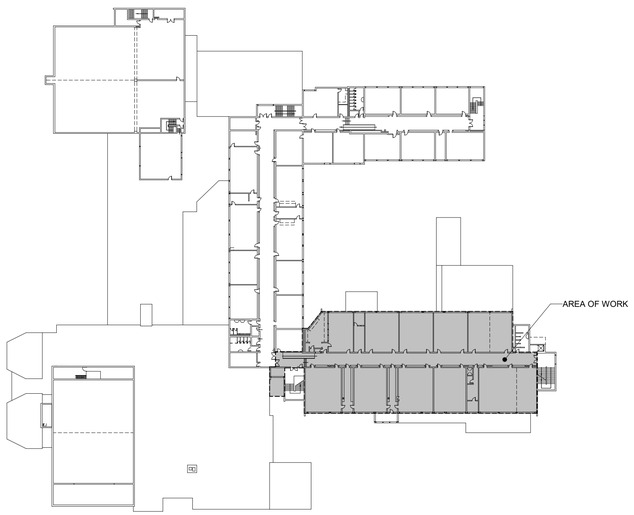
DETAILS (PHASE 1 & PHASE 2)

SCALE: AS NOTED
SHEET SIZE: 24x36
PROJECT NUMBER:

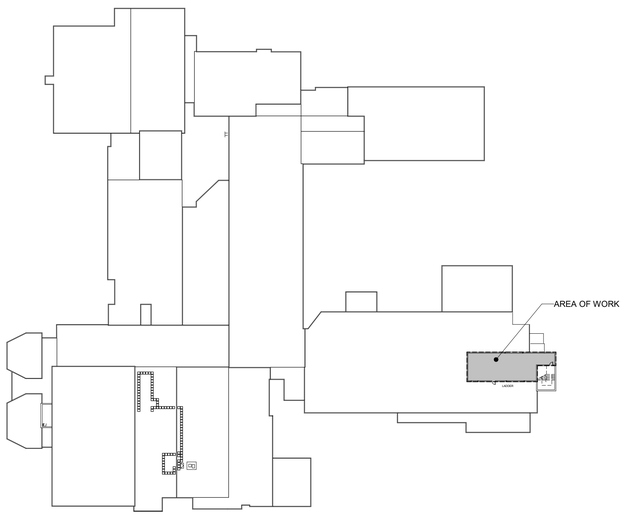
DRAWING NUMBER: M7.2



LEVEL 1 BASEMENT



LEVEL 2



ROOF LEVEL

OVERALL PLANS
SCALE: 1 : 750

GENERAL NOTES - KEYPLAN

-	'ER' INDICATES EXISTING ITEM TO REMAIN.
-	EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
-	MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.

SPECIFIC NOTES - OVERALL PLAN

1	INDICATES APPROXIMATE LOCATION OF EXISTING FIRE ALARM CONTROL PANEL - EDWARDS EST SERIES
2	INDICATES APPROXIMATE LOCATION OF EXISTING MAIN SWITCHBOARD 'SWBD-AA' - 120/208V, 3PH 4W, 2000A, 50kAIC, SCHNEIDER SQUARE D TYPE QED
3	INDICATES PROPOSED ROUTING OF NEW PANEL FEEDER TO BE INSTALLED ABOVE ACCESSIBLE CEILING SPACE. PROVIDE UNISTRUT TRAPEZE SECURED TO STRUCTURE ABOVE. REMOVE CEILING TILES IN EXISTING CORRIDOR TO SUIT DISTRIBUTION WORK AS REQUIRED. REPLACE ANY BROKEN TILES WITH NEW MATCHING EXISTING. EXACT ROUTING TO BE COORDINATED ON SITE.

ELECTRICAL SYMBOLS

NOTE: ALL SYMBOLS MAY NOT BE USED

LIGHTING		POWER	
X	LIGHT FIXTURE TYPE AS INDICATED		WALL MOUNTED RECEPTACLE (15A-120V)
X	LIGHT FIXTURE (HATCHING DENOTES NIGHTLIGHT)		WALL MOUNTED T-SLOT RECEPTACLE (20A-120V)
EM-X DC-X X-X	COMBINATION EMERGENCY/EXIT TYPE AS INDICATED (EM-X INDICATES BATTERY UNIT TYPE, DC-X INDICATES DC CIRCUIT AND X-X INDICATES AC SOURCE CIRCUIT)		T-SLOT RECEPTACLE MTD. ABOVE COUNTER (20A-120V)
		S	RECEPTACLE MTD. ABOVE COUNTER S = SPLIT (15A-120V)
	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED		DIRECT CONNECTION
	WALL MOUNTED EXIT LIGHT SHADING INDICATES FACE	JB	JUNCTION BOX
	CEILING MOUNTED EXIT LIGHT ARROWS DENOTE DIRECTION SHADING INDICATES FACE		PANEL AS INDICATED
	SINGLE OR TWIN EMERGENCY LIGHTING FIXTURE		FUSED DISCONNECT
	RECESSED REMOTE EMERGENCY FIXTURES		UNFUSED DISCONNECT
BU	CEILING RECESSED BATTERY UNIT C/W INTEGRAL EMERGENCY FIXTURES	VFD	VARIABLE FREQUENCY DRIVE
EM-X BU DC-X X-X	BATTERY UNIT WITH INTEGRAL EMERGENCY FIXTURE (EM-X INDICATES BATTERY UNIT TYPE, DC-X INDICATES DC CIRCUIT AND X-X INDICATES AC SOURCE CIRCUIT)		PUSH-BUTTON STATION (QUANTITY OF BUTTONS AS PER PLANS)
		EVR	DUAL VOLTAGE RELAY
$	SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED)		MANUAL STARTER
$OS	OCCUPANCY SENSOR (PASSIVE)		MAGNETIC STARTER
OSD/OSR $	OCCUPANCY SENSOR: OSD=DUAL TECHNOLOGY OSR=DUAL CIRCUIT/DUAL TECHNOLOGY		COMBINATION MAGNETIC STARTER
OS	CEILING MOUNTED MOTION SENSOR		SURFACE RACEWAY C/W DEVICES AS NOTED (REFER TO SPECIFICATIONS)
DR	DIGITAL ROOM CONTROLLER	RA T	THERMOSTAT (RA = REVERSE ACTING)
SB	DIGITAL WALL STATION, 'X' DENOTES NUMBER OF CONTROL BUTTONS IN SINGLE GANG	M	METER
	FIRE ALARM		UNISTRUT UPSTAND
	HEAT DETECTOR (135 DEGREE RATE OF RISE AND FIXED TEMPERATURE)		TRANSFORMER
RL	SMOKE DETECTOR (RL=RELAY BASE)		SECURITY
	DUCT TYPE SMOKE DETECTOR	DC	DOOR CONTACT C/W 19mmC TO NEAREST SECURITY JUNCTION BOX (REFER TO DETAIL)
	ALARM BELL	ES	ELECTRIC STRIKE. CONFIRM ROUGHIN WITH DOOR HARDWARE.
FSD	FIRE SMOKE DAMPER	CR	CARD/FOB READER ROUGH-IN AS A SINGLE GANG BOX AT 1100mm AFF C/W 13mmC TO ELECTRIC STRIKE IN ADJACENT DOOR FRAME. CONFIRM ROUGH-IN WITH DOOR HARDWARE.
	DATA		
	SINGLE WALL MOUNTED TELEPHONE OUTLET C/W 3/4" (21mm) C TO CABLE MANAGEMENT SYSTEM.		GENERAL
	SINGLE COMPUTER OUTLET C/W 3/4" (21mm) C TO CABLE MANAGEMENT SYSTEM.	ER	INDICATES EXISTING ITEM TO REMAIN
	COMBINATION SINGLE VOICE/SINGLE COMPUTER OUTLET UNLESS OTHERWISE NOTED C/W 3/4" (21mm) C TO CABLE MANAGEMENT SYSTEM.	D	INDICATES EXISTING ITEM TO BE DELETED
		R	INDICATES EXISTING ITEM TO BE RELOCATED/ IN RELOCATED POSITION
WAP	WIRELESS ACCESS POINT, PROVIDE 3/4" (21mm) C TO CABLE MANAGEMENT SYSTEM.	GF	GROUND FAULT
	HANGER SYSTEM (REFER TO DETAILS)	WP	WEATHERPROOF
	HANDSET (ND = NON DIAL STYLE)	CLG	CEILING MOUNTED
	COMMUNICATIONS	X	NOTE INDICATOR
	CLOCK AS PER SPECIFICATIONS	X	MECHANICAL ITEM INDICATOR
	WALL MOUNTED SPEAKER (CS = COLUMN SPEAKER)		STANDARD CIRCUIT LABELLING
	WALL MOUNTED SPEAKER C/W CALL IN SWITCH		A - 1 - 1 POWER PANEL LABEL / CIRCUIT INDICATION / SWITCH LEG (IF APPLICABLE)
	CEILING MOUNTED SPEAKER		

SHEET LIST

SHEET NUMBER	SHEET NAME
E101	LEGEND AND OVERALL PLANS
E102	ELECTRICAL DETAILS & SCHEDULES
E103	EQUIPMENT WIRING SCHEDULE
E104	LIGHTING CONTROL DETAILS
E105	LIGHT FIXTURE SCHEDULE
E201	LEVEL 2 - SCIENCE WING - ELECTRICAL DEMOLITION PLAN
E202	LEVEL 1 - SCIENCE WING - ELECTRICAL RENOVATION PLAN
E203	LEVEL 2 - SCIENCE WING - ELECTRICAL RENOVATION PLAN
E204	ROOF - SCIENCE WING - POWER & SYSTEMS RENOVATION PLAN
E301	ENLARGED PLANS (1 OF 4)
E302	ENLARGED PLANS (2 OF 4)
E303	ENLARGED PLANS (3 OF 4)
E304	ENLARGED PLANS (4 OF 4)
E401	DISTRIBUTION RISER DIAGRAM - RENOVATION
E402	PANEL SCHEDULES
E501	PARTIAL FIRE ALARM RISER DIAGRAM AND ANNUNICIATOR SCHEDULE

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 50% PROGRESS	2024.01.14
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
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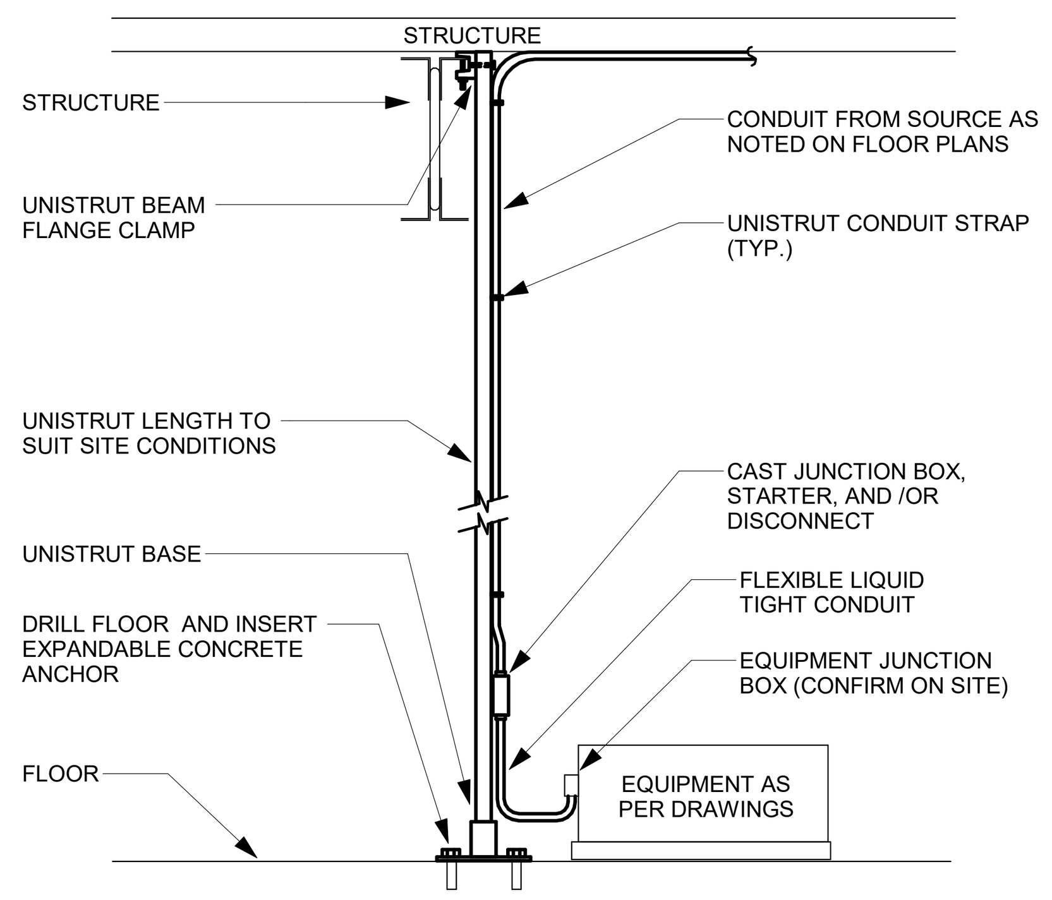
CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE
LEGEND AND OVERALL PLANS

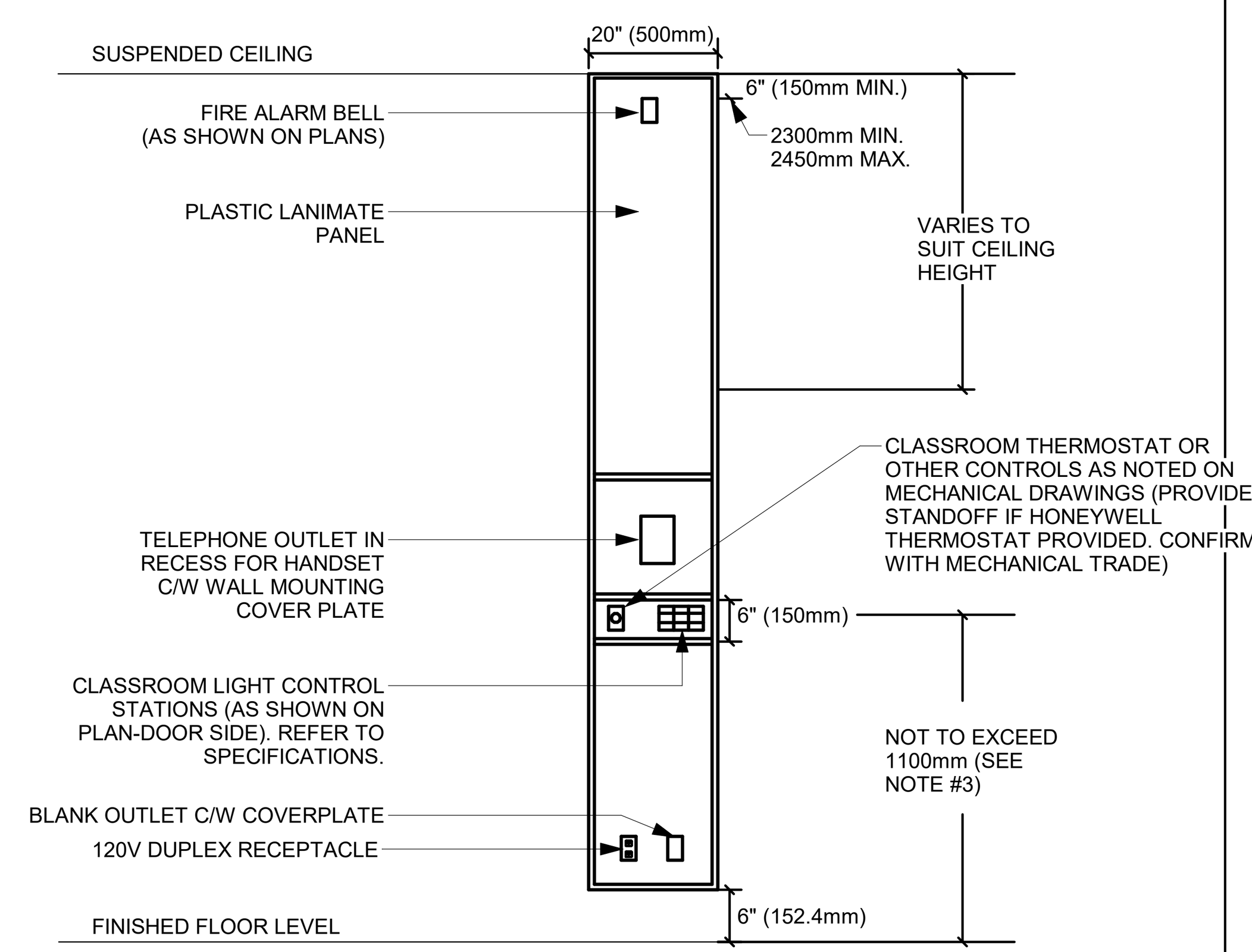
SCALE	DRAWING NUMBER
As indicated	E101
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

2025.03.05 1:31:48 PM C:_Revit\24162 WRDSB Glenview Park SS Elec Central (R23)_jbingham2TLdL.rvt



A - UNISTRUT UPSTAND DETAIL

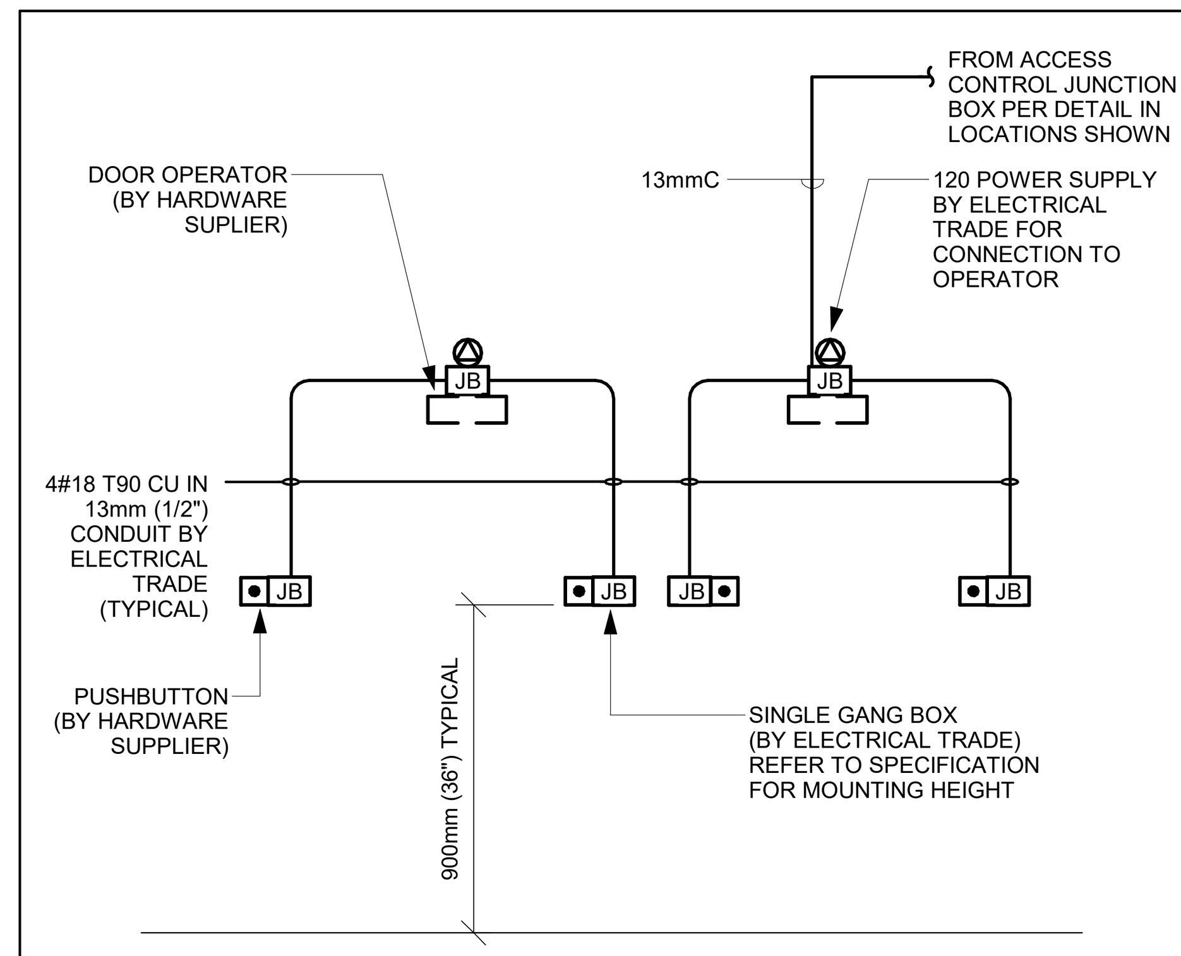
SCALE: NTS



1. ALL DIMENSIONS AND DEVICE LOCATIONS TO BE CONFIRMED ON SITE WITH ARCHITECT.
2. CONSOLE PROVIDED AND INSTALLED BY GENERAL TRADES PER ARCHITECTURAL DETAILS. DEVICES BY ELECTRICAL CONTRACTOR AND SUB-CONTRACTORS UNLESS OTHERWISE NOTED.
3. MOUNTING HEIGHT OF CONTROL SWITCHES AND T-STAT IS NOT TO EXCEED 1100mm AS PER OBC 3.8.1.5. ADJUST LAMINATE PANEL SIZE TO SUIT.

B - CLASSROOM CONTROL PANEL DETAIL

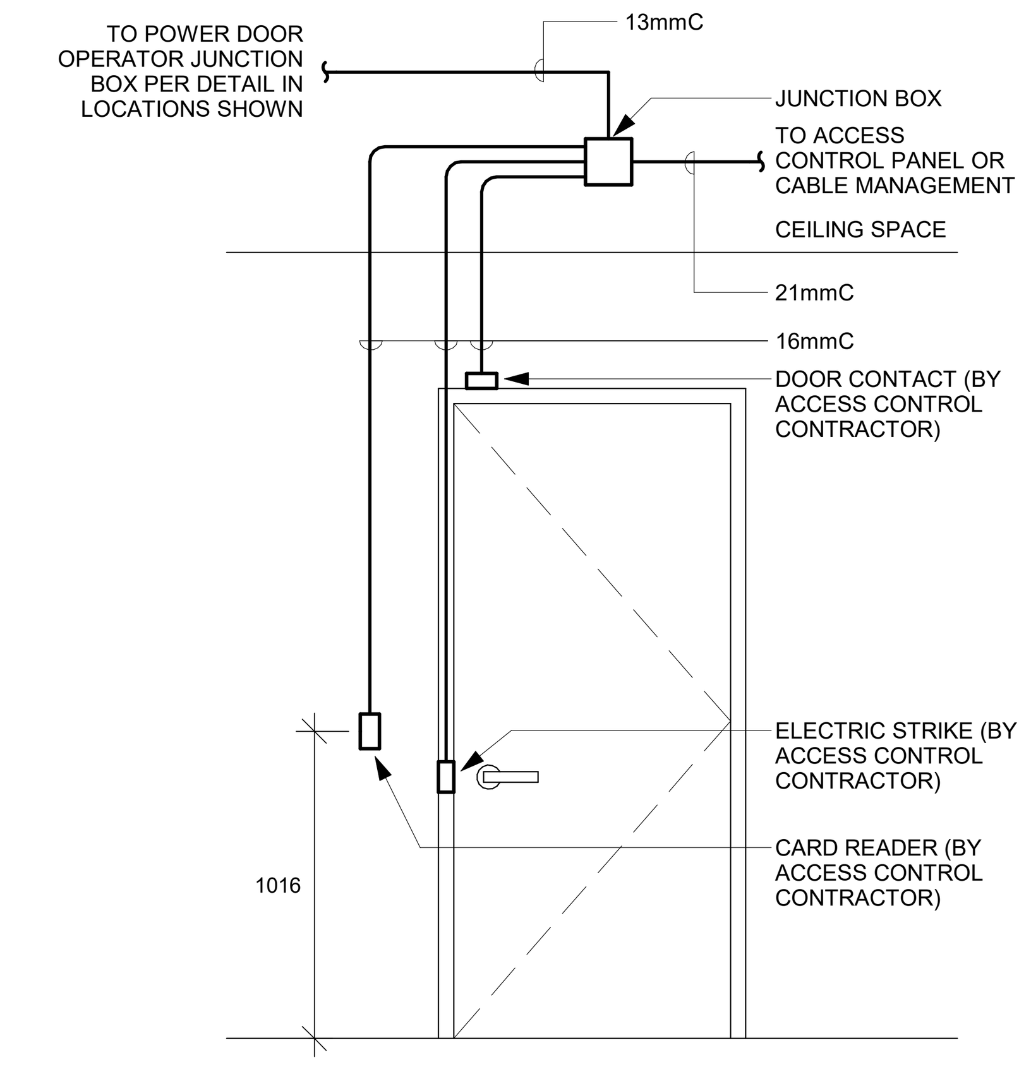
SCALE: NTS



THIS CONTRACTOR IS TO MAKE ALL CONNECTIONS TO ALL DEVICES AS SUPPLIED BY THE HARDWARE CONTRACTOR.

C - DOOR OPERATOR DETAIL

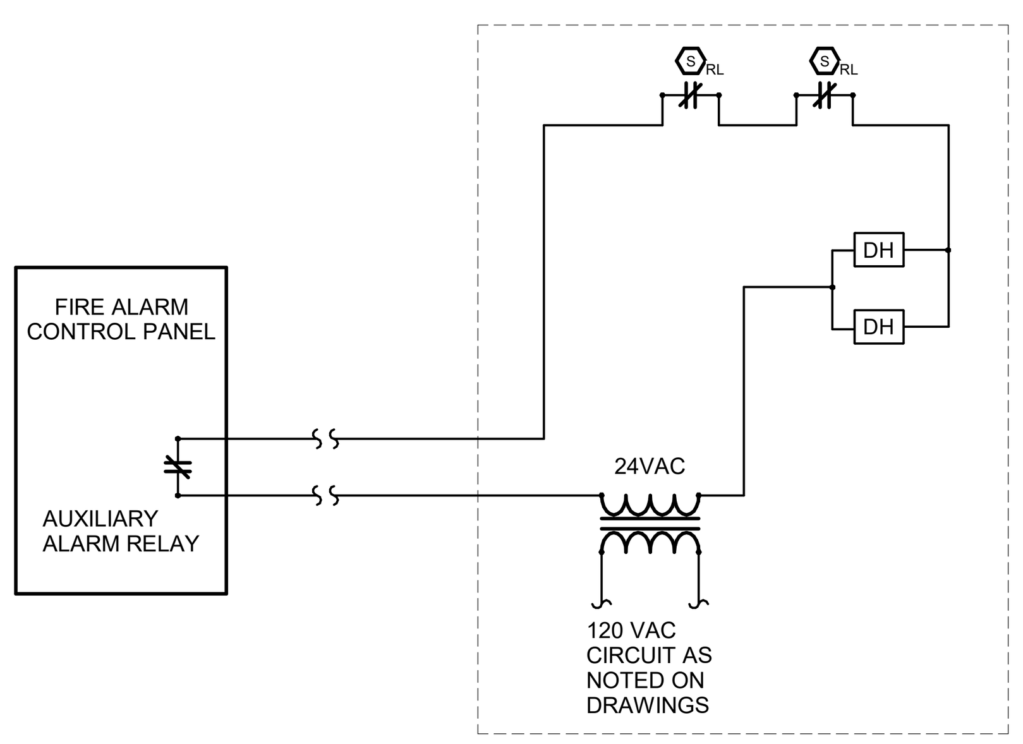
SCALE: NTS



NOTE:
ALL ROUGH-INS ARE TO BE COMPLETED BY ELECTRICAL CONTRACTOR. ACCESS CONTROL CONTRACTOR TO SUPPLY AND INSTALL CABLING. ELECTRICAL CONTRACTOR TO COORDINATE WITH ACCESS CONTROL VENDOR/SHOP DRAWINGS PRIOR TO ROUGH-IN.

D - DOOR SECURITY ROUGH-IN DETAIL

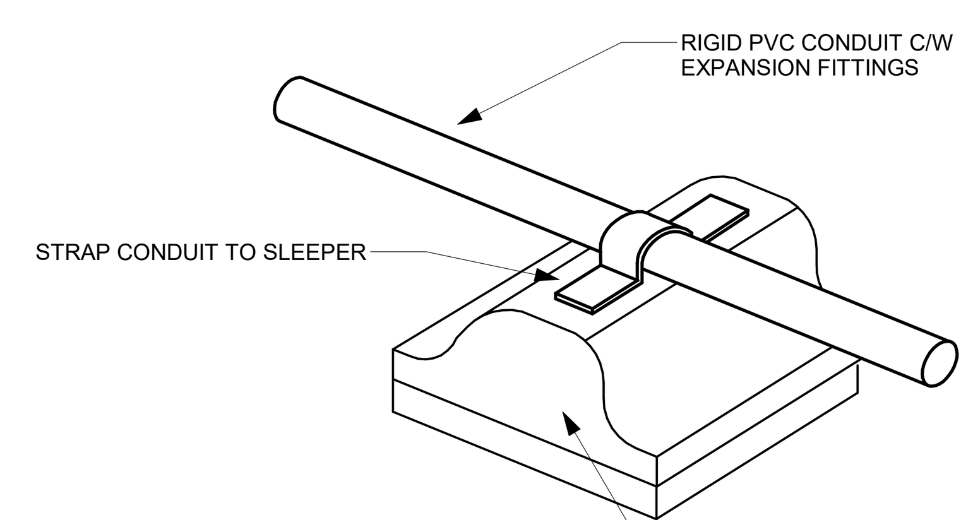
SCALE: NTS



NOTE: THE RELEASE MUST FUNCTION WHEN THE SMOKE DETECTOR LOCAL TO THE DEVICE IS IN ALARM OR WHEN THERE IS AN ALARM CONDITION ON THE FIRE ALARM SYSTEM.

E - DOOR HOLDER WIRING SCHEMATIC

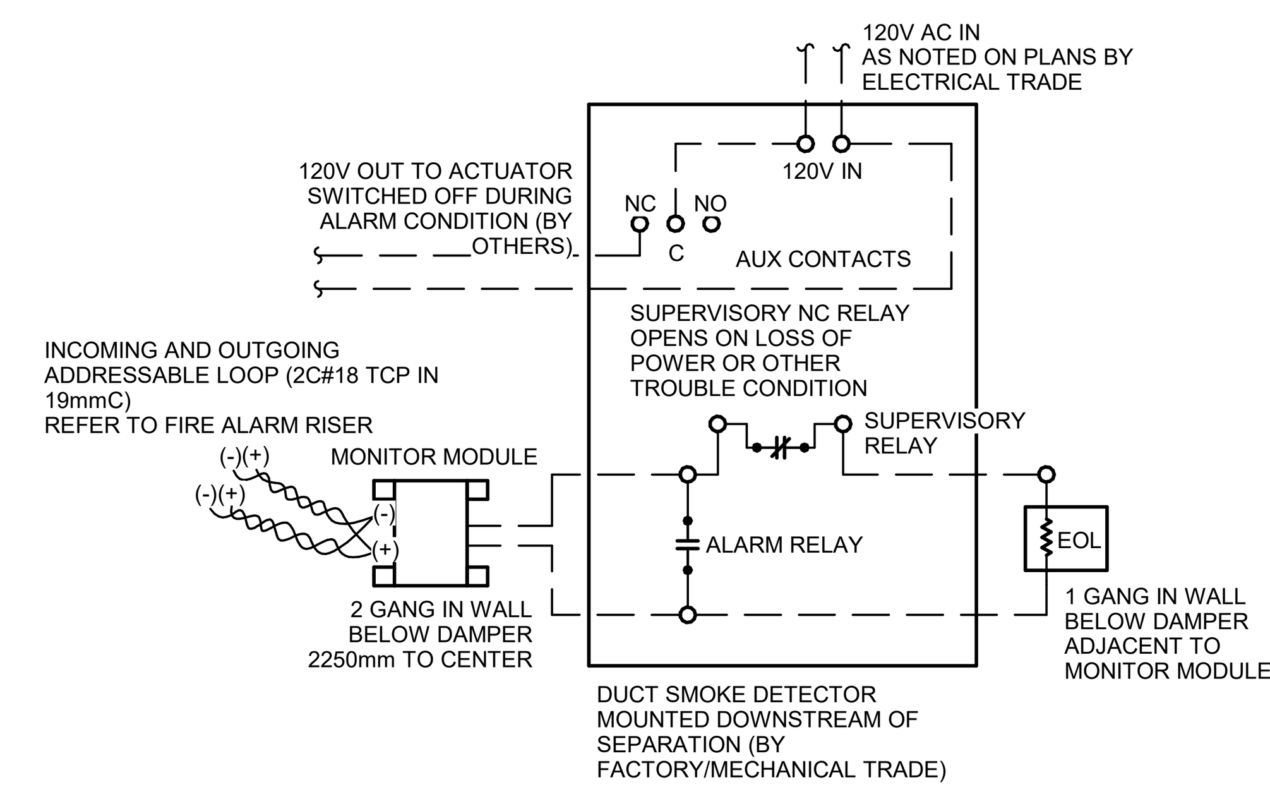
SCALE: NTS

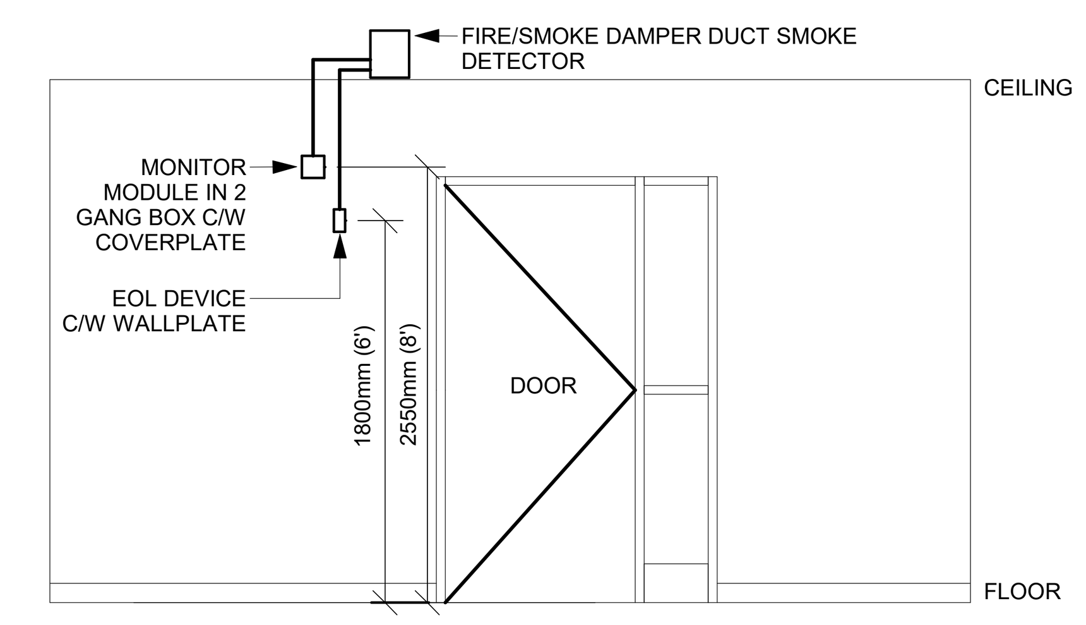


MANUFACTURED CONDUIT SUPPORT. SINGLE PIECE INJECTION MOULDED POLYPROPYLENE SUPPORT WITH TYPE 3-20 PSI EXTRUDED POLYSTYRENE UV PROTECTED BASE GLUED TO THE SUPPORT. MINIMUM BASE DIMENSION OF 300x225 (12"x9") x 140 mm (5.5") HIGH. ACCEPTABLE MATERIALS: QUICK BLOCK, ERICO

F - CONDUIT SUPPORT DETAIL

SCALE: NTS





TYPICAL DEVICE MOUNTING ELEVATION

FIRE/SMOKE DAMPER PROPOSED SEQUENCE OF OPERATION

NORMAL CONDITION:

ALARM CONTACT OPEN, AUX CONTACT CLOSED, AC POWER IS PROVIDED TO DAMPER ACTUATOR, DAMPER IS OPEN.

ALARM CONDITION:

ALARM CONTACT CLOSES, BUILDING FIRE ALARM IS ACTIVATED, AUX CONTACT OPENS, AC POWER IS REMOVED FROM DAMPER ACTUATOR.

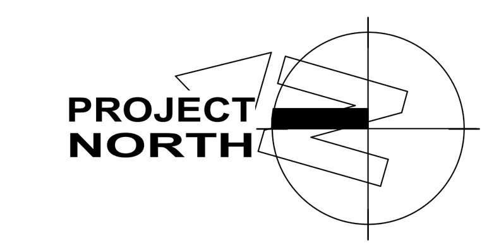
SUPERVISION:

LOSS OF AC POWER, COVER LEFT OFF, WIRING ISSUE CAUSE TROUBLE CONDITION. SUPERVISORY CONTACT OPENS, MAIN FACP WILL INDICATE TROUBLE, ADDRESSABLE MODULE WILL INDICATE DAMPER LOCATION. DAMPER PO NOT N IS MONITORED BY FACP.

NOTES:
1. MONITOR MODULE AND EOL DEVICE MOUNTING HEIGHTS SHALL BE PER CAN/ULC S-524 REQUIREMENTS.
2. MOUNT DEVICES WITHIN ACCESSIBLE LOCATIONS IN SERVICE ROOMS, WHERE POSSIBLE, IN THE VICINITY OF RESPECTIVE FIRE/SMOKE DAMPER. DEVICES IN FINISHED SPACES TO BE C/W FLUSH MOUNT DEVICE BOXES AND COVERS. DEVICE COVERS TO BE LABELLED.

G - FIRE/SMOKE DAMPER INSTALLATION DETAIL

SCALE: NTS



No.	REVISIONS	DATE
4	ISSUED FOR PERMIT/TENDER	2025.03.05

CHRONOLOGY	DATE

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aba architects inc.

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

ELECTRICAL DETAILS & SCHEDULES

SCALE: As indicated

SHEET SIZE: 24X36

PROJECT NUMBER: 24162

DRAWING NUMBER: E102

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EQUIPMENT WIRING SCHEDULE

E = ELECTRICAL
M = MECHANICAL
O = OTHERS

Description			Electrical Data				Starter							Ctrl Device				Isolating Device				Remote Items														Other		Interlock		Remarks
Mechanical Item	Description	Provided By	Voltage	Size hp/kW/Amps	Phase	MOCP	Magnetic	Manual	Combination	Contactor	VFD	ECM (No Separate Starter Device)		Hand/Off/Auto	On/Off Selector	High/Low/Off	Pilot Light	Disconnect	WP Disconnect	Breaker/Fuse	Starter/Device Wired by	Thermostat	RA Thermostat	Programmable Time Clock	Variable Speed Control	Current Sensor	Occ Sensor	Dual Voltage Relay	Interval Timer	VRF System Controll Panel	Smoke Control System Panel	Control Panel	Wired by	Bldg Auto System	Wired By	Miscellaneous 1	Miscellaneous 2	Interlock to	Interlock by	
PHASE 1																																								PHASE 1
EF-5	ROOFTOP EXHAUST FAN (CHEMISTRY A212)	M	120	1/4 HP	1										E				E	E	E							M					M/E	M	M			MOT. DAMPER	M	PROVIDE INDICATING LIGHT. INTERLOCK TO MOTORIZED DAMPER
EF-6	ROOFTOP EXHAUST FAN (BIOLOGY A211)	M	120	1/4 HP	1										E				E	E	E							M					M/E	M	M			MOT. DAMPER	M	PROVIDE INDICATING LIGHT. INTERLOCK TO MOTORIZED DAMPER
EF-7	ROOFTOP EXHAUST FAN (CHEMISTRY A212 FUME HOOD)	M	120	1/4 HP	1		E								E				E	E	E							M					M/E	M	M			FUME HOOD & MOT. DAMPER	M/E	CONNECT TO SWITCH ON FUME HOOD. INTERLOCK TO MOTORIZED DAMPER
SP-1	ELEVATOR SUMP (SIMPLEX)	M	208	0.5 HP	3													E		E	E											M	M/E							PROVIDE RECEPTACLE FOR HIGH LEVEL ALARM. WIRE FLOATS THROUGH CONTROL PANEL
DS-3	WALL MOUNTED AIR CONDITIONER (ELEV. MACH. RM)	M	120	1.0 AMPS	1	15												E		E	E	M											M	M	M			CU-1	M	POWER FROM/THROUGH CONDENSING UNIT
CU-3	OUTDOOR CONDENSING UNIT	M	208	19 AMPS	1	30													E	E	E													M	M			AC-1	M	
GSV	GAS SOLENOID VALVE	M	120	FHP	1															E	E							M					M/E	M	M					REFER TO PLANS FOR NUMBER & LOCATIONS
BAS	BAS PANEL	M	120	FHP	1													E		E	E													M	M					PROVIDE TWO DATA DROPS AND RECEPTACLE. REFER TO PLANS FOR NUMBER & LOCATIONS
NT	ACID NEUTRALIZING TANK	M	120	FHP	1													E		E	E													M	M					PROVIDE RECEPTACLE
PHASE 2																																								
HVAC-5-SF	INDOOR HVAC UNIT SUPPLY FAN	M	208	93.8 AMPS	3	150					M							E		E	E													M	M			CU-4A CU-4B		75 FLA. MOTOR C/W FACTORY PROVIDED EXTERNAL JUNCTION BOX. VFD INSTALL AND POWER CONNECTION BY ELECTRICAL DIVISION
HVAC-5-EF	INDOOR HVAC UNIT RETURN/EXHAUST FAN (X2)	M	208	2 @ 31.3 A	3	45					M							E		E	E													M	M					13.9 FLA (X2). ECM FANS FACTORY-WIRED TO CONTROL BOX. FIELD POWER TO POWER BLOCK BY ELECTRICAL DIVISION
HVAC-5-ERW	INDOOR HVAC UNIT ENERGY RECOVERY WHEEL	M	208	3.0 A	3	15					M							E		E	E													M	M					2.4 FLA. FACTORY WIRED TO FACTORY-INSTALLED VFD. FIELD POWER TO POWER BLOCK BY ELECTRICAL DIVISION
HVAC-5-UC	INDOOR HVAC UNIT CONTROLLER	M	120	FHP	1	15												E		E	E													M	M					FIELD SUPPLIED. INTERFACE TO ALL HVAC-5 COMPONENTS TO MANAGE UNIT FUNCTION
CU-4A1	CONDENSING UNIT	M	208	61.9 A	3	70													E	E	E													M	M			HVAC-5		CU-4A IS TWO MODULES. REFER TO PLANS FOR NUMBER & LOCATIONS.
CU-4A2	CONDENSING UNIT	M	208	61.9 A	3	70													E	E	E													M	M			HVAC-5		CU-4A IS TWO MODULES. REFER TO PLANS FOR NUMBER & LOCATIONS.
CU-4B1	CONDENSING UNIT	M	208	61.9 A	3	70													E	E	E													M	M			HVAC-5		CU-4B IS TWO MODULES. REFER TO PLANS FOR NUMBER & LOCATIONS.
CU-4B2	CONDENSING UNIT	M	208	61.9 A	3	70													E	E	E													M	M			HVAC-5		CU-4B IS TWO MODULES. REFER TO PLANS FOR NUMBER & LOCATIONS.
BS-	BRANCH SELECTOR BOX	M	208	0.4 A	1													E		E	E													M	M			HVAC-5, CU-4A, CU-4B		REFER TO PLANS FOR NUMBER & LOCATIONS. PROVIDE SEPARATE CIRCUIT FOR EACH SET (X6) OF BRANCH BOXES FOR EACH CONDENSING UNIT
CB-	CU CONTROL BOX	M	208	0.3 A	1													E		E	E													M	M			CU-4A CU-4B		REFER TO PLANS FOR NUMBER & LOCATIONS

Notes:

1 PROVIDE MAIN FEED TO UNIT. PROVIDE ADDITIONAL FEED FROM TERMINAL STRIPS WITHIN UNIT TO VARIABLE FREQUENCY DRIVE AND BACK TO UNIT (IN SEPARATE CONDUITS). COORDINATE CONDUCTOR SIZE TO AND FROM VARIABLE FREQUENCY DRIVE WITH MECHANICAL SHOP DRAWINGS.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 50% PROGRESS	2024.01.14
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
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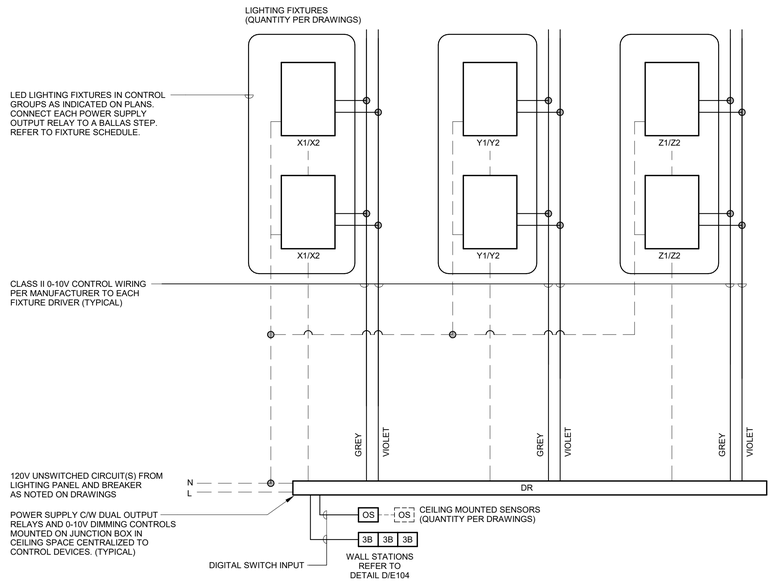
CLIENT: WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE
EQUIPMENT WIRING SCHEDULE

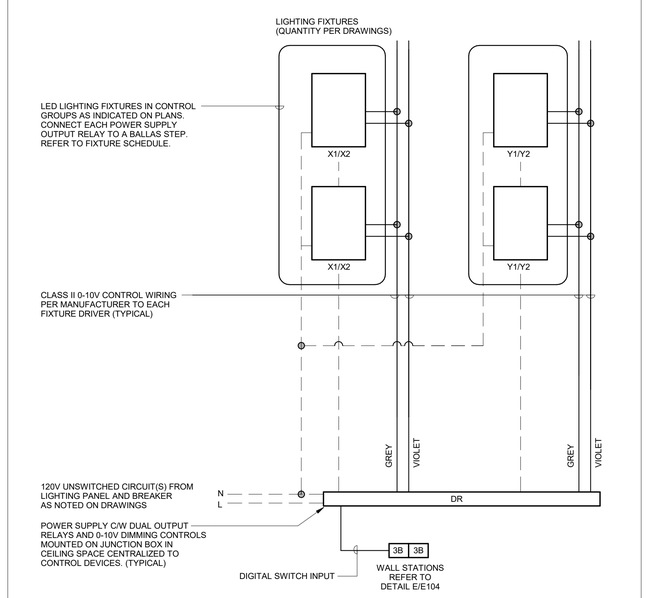
SCALE:
SHEET SIZE: 24X36
PROJECT NUMBER: 24162

DRAWING NUMBER
E103



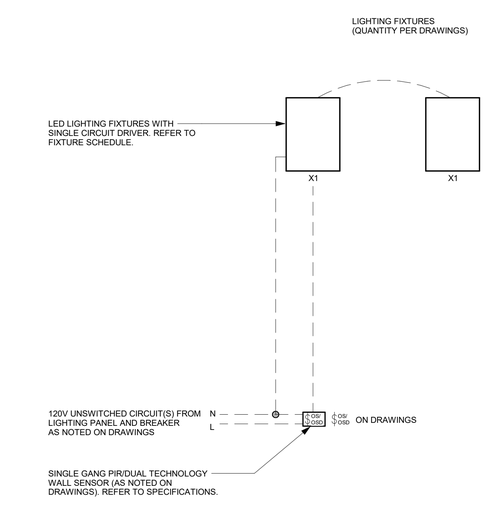
A - TRIPLE ZONE MULTI-LEVEL CONTROL DETAIL

SCALE: NTS



B - DUAL ZONE MULTI-LEVEL CONTROL DETAIL

SCALE: NTS



SCALE: N.T.S.

C - OCCUPANCY CONTROL - SINGLE RELAY

SCALE: NTS

LIGHTING CONTROL SYSTEMS SEQUENCE OF OPERATIONS

SPACE TYPE	ROOM NAMES	CONTROL SEQUENCE/CONTROL DEVICES	CONTROL SYSTEMS
Kiln	TYPICAL	Sequence: ON: Lights turned on via wall sensor switch. OFF: 5 minutes after the room has been vacated, the lights will automatically turn off.	LINE VOLTAGE OCCUPANCY CONTROL SYSTEM
Classrooms/ Preparation Rooms/ Storage	TYPICAL	Sequence: ON: Lights in all groups turned on occupancy sensor. ADJUST:The occupant manually adjusts lighting rows within the room to desired level or preset via dimmer stations. OFF: 10 minutes after the room has been vacated, the lights will automatically turn off. OVERRIDE: 3-day dimmer station located on other side of classroom entrance door shall adjust all lighting rows within room to desired level.	DIGITAL ROOM CONTROLLER
Dark Room	TYPICAL	Sequence: MANUAL ON: Lights in all groups turned on via dimmer wall station(s). MANUAL OFF: Lights in all groups turned off via dimmer wall station(s). ADJUST:The occupant manually adjusts lighting rows within the room to desired level or preset via dimmer station.	DIGITAL ROOM CONTROLLER

SYSTEM DESCRIPTIONS:

DIGITAL ROOM CONTROL SYSTEM

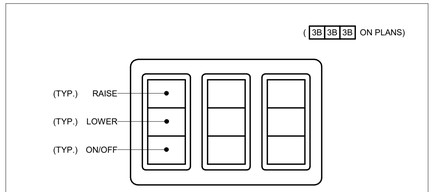
DIGITAL ROOM CONTROL RELAY POWER PACKS C/W PLUG AND PLAY DIGITAL SENSORS AND WALL MOUNT CONTROL STATIONS.

REFER TO SPECIFICATIONS SECTION 26 51 16.

LINE VOLTAGE OCCUPANCY CONTROL SYSTEM

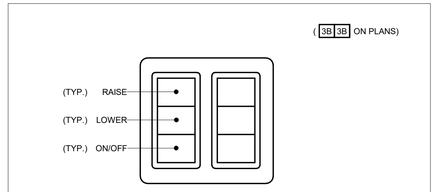
LINE VOLTAGE WALL SENSOR SWITCHES AND LINE VOLTAGE POWER PACKS WITH HARD WIRED SENSORS.

REFER TO SPECIFICATIONS SECTION 26 27 26.



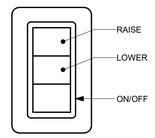
D - TRIPLE 3 BUTTON CONFIGURATION

SCALE: NTS



E - DUAL 3 BUTTON CONFIGURATION

SCALE: NTS

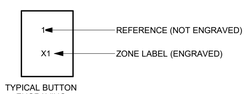


F - THREE BUTTON CONFIGURATION

SCALE: NTS

NOTES:

1. REFER TO LIGHTING PLANS FOR GROUPINGS.
2. WALL STATION BUTTONS TO BE ENGRAVED WITH LABELS ACCORDING TO LEVEL AS NOTED. COORDINATE LABELS WITH OWNER. PROVIDE BUTTON ENGRAVING WORKSHEET WITH SHOP DRAWING SUBMISSION FOR REVIEW. WORKSHEETS TO BE COMPLETED FOR EACH CONTROL STATION GROUP. USE SINGLE MULTI-GANG FACEPLATE, FINISH PER SPECIFICATIONS.
3. REFER TO SPECIFICATIONS FOR INFORMATION REGARDING PROGRAMING OF INPUT DEVICES AND DIGITAL WALL STATIONS PER ROOM TYPE.



G - TYPICAL LIGHTING BUTTON ENGRAVING

SCALE: NTS

PROJECT NORTH

No.	REVISIONS	DATE
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

LIGHTING CONTROL DETAILS

SCALE	DRAWING NUMBER
1 : 12	E104
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

LIGHT FIXTURE SCHEDULE

ITEM	MANUFACTURER/CATALOG NUMBER	VOLTAGE	LAMP	MOUNTING	CRI	LISTINGS	DESCRIPTION
A	METALUX CAT. #24CZSCT3-UNV LITHONIA CAT. #STAKS 2X4 ALO6 SWW7 UVOLT SIGNIFY CAT. #2DSRT4060LCS-4-UNV-DIM	120V	LED 4000 LUMENS 4000K 46W	RECESSED	80	N/A	2'X4' (610mmX1220mm) SELECTABLE LUMEN TROFFER LED FIXTURE C/W RIBBED FROSTED ACRYLIC LENS AND 0-10V DIMMING DRIVER SUITABLE FOR T-BAR CEILING NOTE: SET FIXTURE TO NOMINAL LUMENS AS INDICATED ON FIXTURE SCHEDULE
A1	METALUX CAT. #24FPSL2SCT3 LITHONIA CAT. #CPX 2X4 ALO8 80CRI SWW7 SWL MVOLT SIGNIFY CAT. #2SBP3550L8CS-4-UNV-DIM	120V	LED 4000 LUMENS 4000K 24.7W	RECESSED	80	N/A	2'X4' (610mmX1220mm) RECESSED SELECTABLE LUMEN FLAT PANEL LED FIXTURE C/W RIBBED FROSTED ACRYLIC LENS AND 0-10V DIMMING DRIVER SUITABLE FOR T-BAR CEILING. NOTE: SET FIXTURE TO NOMINAL LUMENS AS INDICATED ON FIXTURE SCHEDULE.
B	METALUX CAT. #14CZSCT3-UNV LITHONIA CAT. #STAKS 1X4 ALO6 SWW7 SIGNIFY CAT .#1DSRT3050LCS-4-UNV-DIM	120V	LED 4000 LUMENS 4000K 30W	RECESSED	80	N/A	1X4 (305mmX1220mm) SELECTABLE LUMEN TROFFER LED FIXTURE C/W RIBBED FROSTED ACRYLIC LENS AND 0-10V DIMMING DRIVER SUITABLE FOR T-BAR CEILING NOTE: SET FIXTURE TO NOMINAL LUMENS AS INDICATED ON FIXTURE SCHEDULE
C	COOPER CAT. #HC6-25-D010-HM6-20-840-61-WD-C-WF LITHONIA CAT. #LDN6-40-25-L06-AR-LS-120 LITELINE CAT. #GEN06-IL-40-L-SW-S-N-X-N-1	120V	LED 2500 LUMENS 4000K 20W	RECESSED	80	N/A	6" (150mm) RECESSED LED POTLIGHT C/W, 0-10V DIMMING DRIVER, SEMI-SPECULAR CLEAR REFLECTOR AND WHITE PAINTED FLANGE
M1	METALUX CAT. #4SNLED-LD5-44SL-LW-UNV-L840-CD-1-U-WG/SNF-4FT LITHONIA CAT. #ZL1D L48 5000LM FST MVOLT 40K 80CRI WH-WGZ48 VISCOR CAT. #LCOM48-LED840K044LUNV-P77 C/W W5	120V	LED 4400 LUMENS 4000K 38W	SURFACE	80	N/A	4' (1220mm) LENSED LED STRIP FIXTURE C/W WHITE FINISH, 10% 0-10V DIMMING DRIVER AND WIRE GUARD
M1S	METALUX CAT. #4SLSTPSLC-UNV-AYC-CHAIN/SET LITHONIA CAT. #CSS-L48-AL03-MVOLT-SWW3-80CRI-HC-36-M12 VISCOR CAT. #LCOMN48-LED83550KS-026/037/046S-UN3 C/W KIT00001	120V	LED 4000 LUMENS 4000K 30W	SUSPENDED	80	N/A	4' (1220mm) LENSED SELECTABLE LUMEN LED STRIP FIXTURE C/W WHITE FINISH, 10% 0-10V DIMMING DRIVER AND CHAIN HANGING SET. NOTE: SET FIXTURE TO NOMINAL LUMENS AS INDICATED ON FIXTURE SCHEDULE.
EMERG. BATTERY UNIT C/W INTEGRAL HEADS (T-BAR)	AIMLITE CAT. #EBWL-EM-WHT-TB-2-ATD-VDR C/W KIT-BKT497 STANPRO CAT. #SWL-EM-WH-TB-W-AT-TP C/W KIT-BKT497 LUMACELL CAT. #LBL-EM C/W KIT-5R-L	120V	14W LED	RECESSED	N/A	N/A	LONG LIFE, SEALED RECHARGABLE VANDAL RESISTANT BATTERY C/W ADJUSTABLE 14W LED MODULES, POLYCARBONATE BODY, 90 MINUTE BATTERY DURATION, RECESSED IN T-BAR CEILING AS SHOWN ON PLANS, AND AUTOTEST FEATURE.
EMERG. BATTERY	AIMLITE #EBST12 SERIES: EM-1 CAT. #EBST12036-2SM4WLRWHT-ATD LUMACELL CAT. #RG12S SERIES STANPRO CAT. #SLA-12 SERIES	12V	LED 2-4W MR16	SURFACE	N/A	N/A	LONG LIFE, SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER C/W MICRO SIZE 12V 4W (MINIMUM) LED HEADS AND AUTOTEST FEATURE. UNIT SHALL BE LISTED FOR CAPACITY OF 90 MINUTES MINIMUM.
EXIT LIGHTS (SELF POWERED)	AIMLITE CAT. #RPALW-U-M-WHT-BAT-ATD STANPRO CAT. #RMXL0WH-IB-AT LUMACELL CAT. #LA-3-W-S	12V	LED 2.5 WATT	SURFACE	N/A	N/A	LED SELF POWERED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, AND MAXIMUM 2.5" (63mm) THICKNESS. FACES AND CHEVRONS TO SUIT DRAWINGS. 12V INTERNAL SEALED RECHARGABLE BATTERY PROVIDING MINIMUM 90 MINUTES OF EMERGENCY POWER, AND AUTOTEST FEATURE.

NOTES:

(1) LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT.

(2) WHERE NOTED THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S OPTIONAL COLOUR CHART (i.e. RAL COLOURS OR EQUAL). PROVIDE THIS COLOUR CHART WITH SHOP DRAWING SUBMITTAL.

(4) IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THESE TO THE ELECTRICAL CONSULTANT'S ATTENTION PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT TIME OF SHOP DRAWING REVIEW.

PROJECT NORTH

No.	REVISIONS	DATE
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
5 MAR 2025
J. BINGHAM
100223177
PROVINCE OF ONTARIO

CHRONOLOGY	DATE

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Project Number:24162

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CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE
LIGHT FIXTURE SCHEDULE

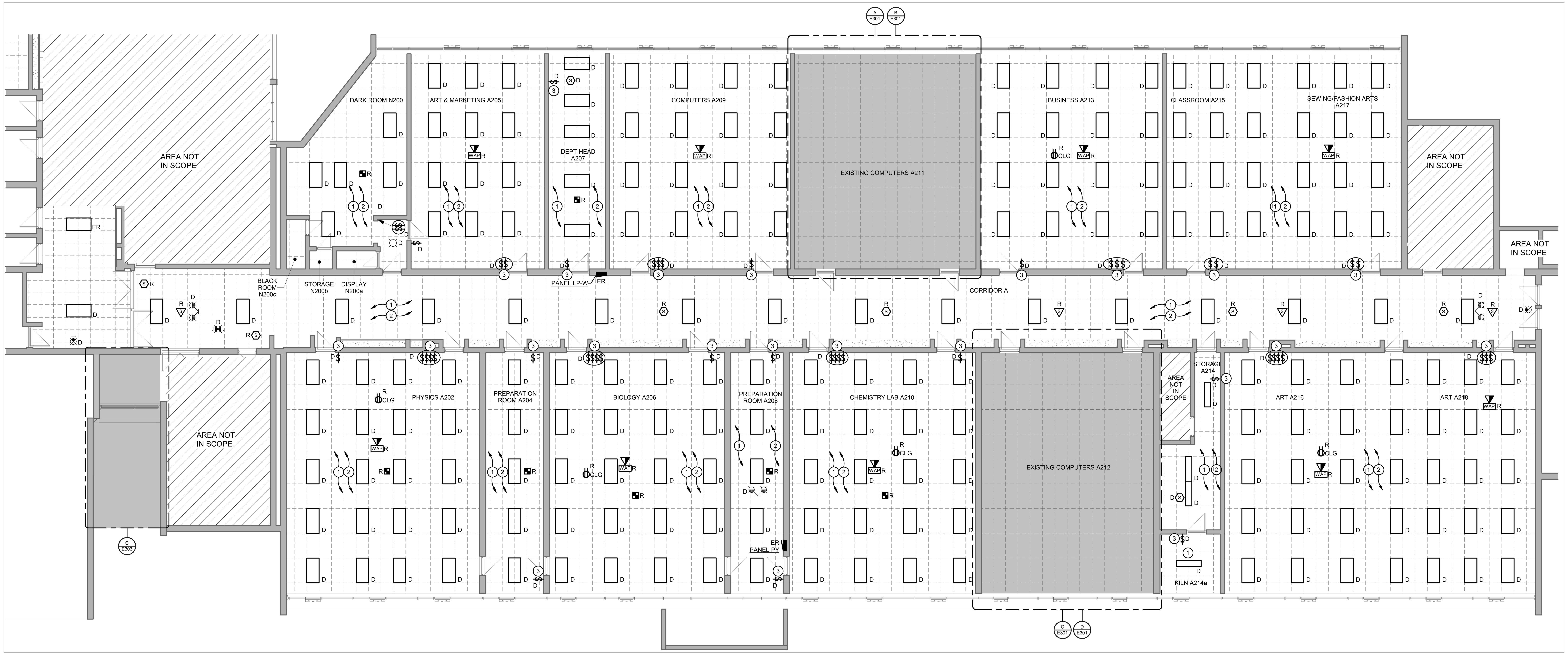
SCALE 1 : 1
SHEET SIZE 24X36
PROJECT NUMBER 24162
DRAWING NUMBER E105

GENERAL NOTES - DEMOLITION

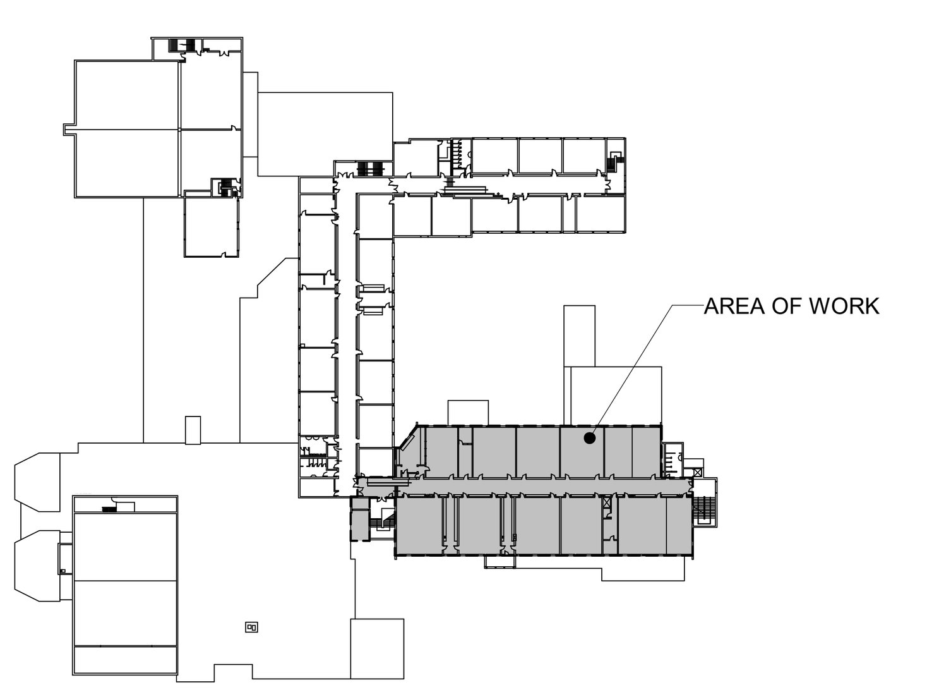
-	'ER' INDICATES EXISTING ITEM TO REMAIN.
-	EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
-	'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
-	'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
-	ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.

SPECIFIC NOTES

1	EXISTING FIXTURES WITHIN AREA SHOWN SHALL BE DISCONNECTED AND REMOVED COMPLETE. MAINTAIN, REWORK AND EXTEND EXISTING CIRCUIT AS REQUIRED TO SUIT NEW FIXTURES AS SHOWN ON RENOVATION DRAWINGS FOR A COMPLETE WORKING SYSTEM.
2	EXISTING CEILINGS WITHIN AREA SHOWN ARE BEING REMOVED TO FACILITATE INSTALLATION OF NEW CEILINGS AND NEW LIGHTING FIXTURES. ELECTRICAL CONTRACTOR SHALL INCLUDE AS PART OF THEIR BASE BID PRICE TO REMOVE AND REINSTALL ALL EXISTING CEILING MOUNTED DEVICES AS SHOWN TO ACCOMMODATE NEW CEILING AND FIXTURES. REWORK/EXTEND EXISTING WIRING AS REQUIRED TO SUIT NEW LOCATION OF EXISTING DEVICES AS SHOWN ON RENOVATION PLANS.
3	MAINTAIN EXISTING BACKBOXES AND CONDUIT FOR NEW DIMMING WALL STATIONS. REFER TO RENOVATION PLANS FOR FURTHER DETAILS AND REQUIREMENTS.



LEVEL 2 - SCIENCE WING - ELECTRICAL DEMOLITION PLAN
SCALE: 1 : 100



KEYPLAN - LEVEL 2
SCALE: NTS

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 50% PROGRESS	2024.01.14
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
5 MAR 2025
J. BINGHAM
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Project Number:24162

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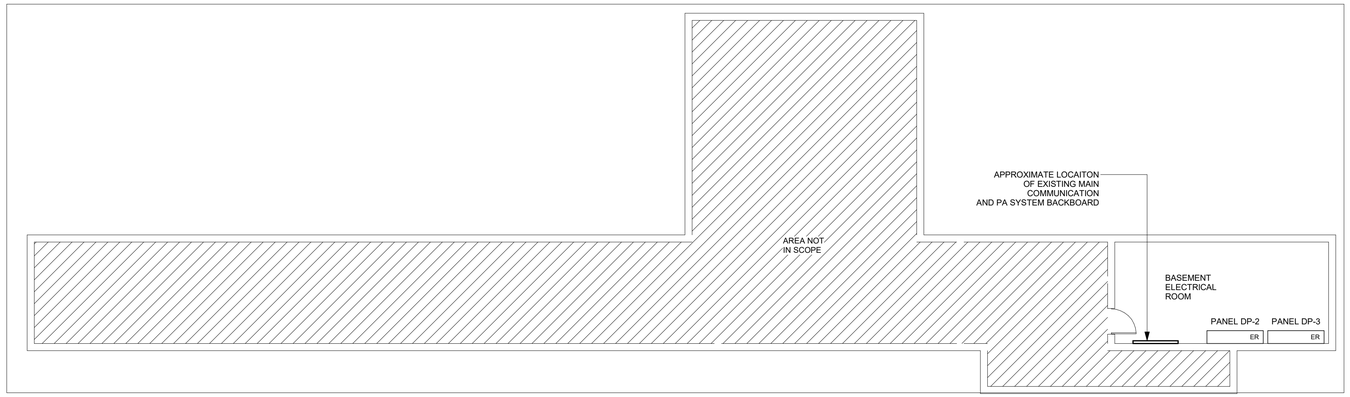
CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE
LEVEL 2 - SCIENCE WING - ELECTRICAL DEMOLITION PLAN

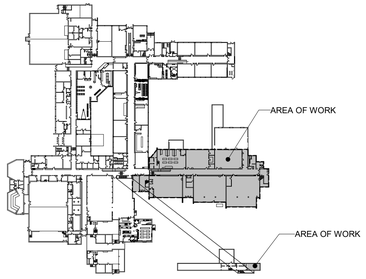
SCALE	DRAWING NUMBER
As indicated	E201
SHEET SIZE 24X36	
PROJECT NUMBER 24162	

2025-03-05 12:46:11 PM C:_Revit\24162 WRDSB Glenview Park SS Elec Central (RVT23)_jbinghamZTL6L.rvt



BASEMENT - ELECTRICAL RENOVATION PLAN

SCALE: 1 : 100



KEYPLAN - LEVEL 1 & BASEMENT

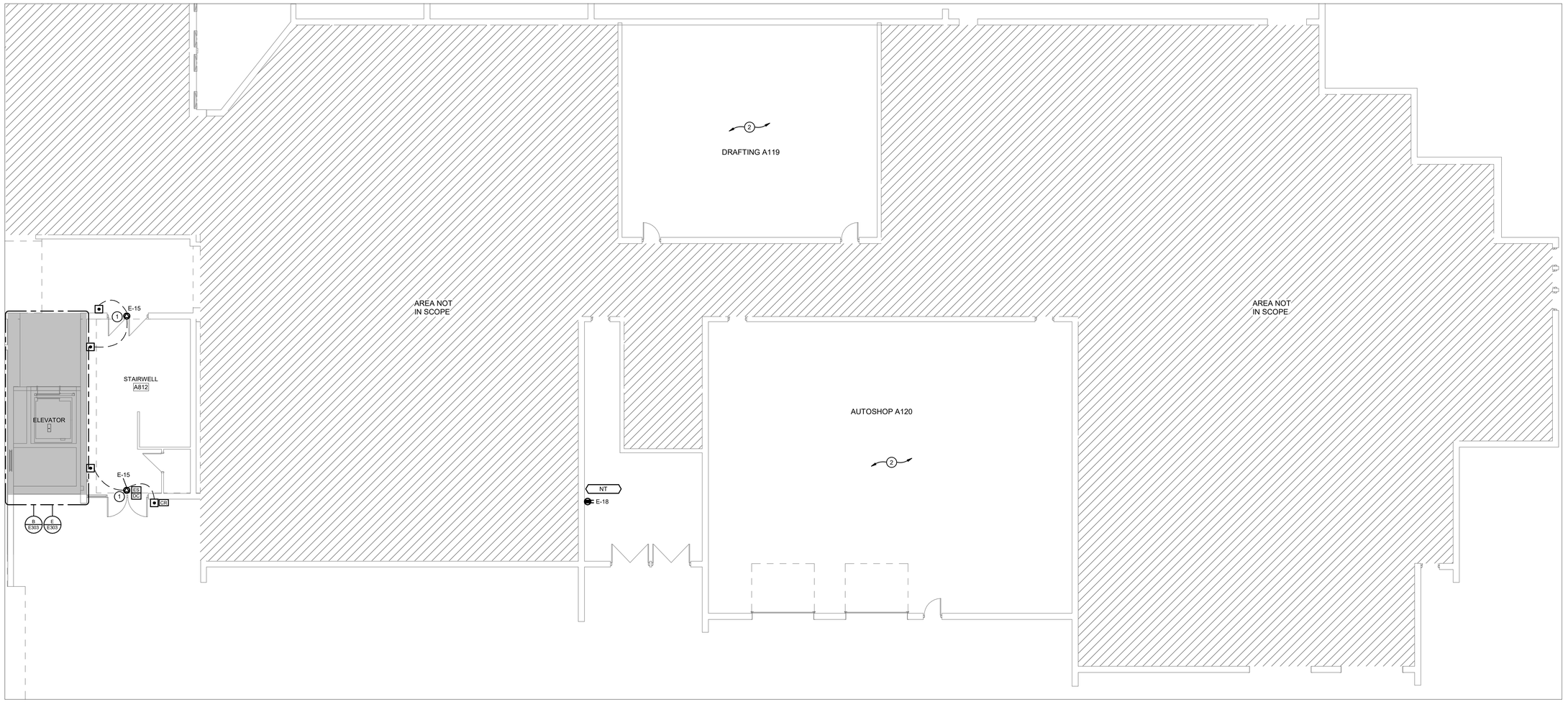
SCALE: NTS

GENERAL NOTES - RENOVATION

-	'ER' INDICATES EXISTING ITEM TO REMAIN.
-	'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
-	ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
-	EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
-	MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
-	REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC NOTES

1	PROVIDE 120V 15A HARDWIRE CONNECTION FOR POWER DOOR OPERATOR C/W LOW VOLTAGE WIRING (4#18AWG IN 13mmC) TO HANDICAP PUSHBUTTONS. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH ARCHITECTURAL DESIGNER AND DOOR HARDWARE SUPPLIER PRIOR TO ROUGH-IN.
2	CONTRACTOR SHALL REMOVE ANY EXISTING CEILING TILES/EQUIPMENT INSTALLED IN CEILING SPACE ABOVE TO ACCOMMODATE DISTRIBUTION RENOVATION WORK TAKING PLACE ON 2ND FLOOR. REPLACE ANY BROKEN TILES/EQUIPMENT WITH NEW AS REQUIRED.



LEVEL 1 - SCIENCE WING - ELECTRICAL RENOVATION PLAN

SCALE: 1 : 100

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.

PROJECT NORTH

No.	REVISIONS	DATE
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
5 MAR 2025
J. BINGHAM
100223177
PROVINCE OF ONTARIO

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Project Number:24162

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

LEVEL 1 - SCIENCE WING - ELECTRICAL RENOVATION PLAN

SCALE	DRAWING NUMBER
As indicated	E202
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

2025-03-05 12:46:12 PM C:_Revit\24162 WRDSB Glenview Park SS Elec Cambd (RVT23)_jbingham3TL4L.rvt

NOTES: CIRCUIT LABELS

PROVIDE P-TOUCH LABELS INDICATING PANEL AND CIRCUIT LABEL ON ALL LIGHT SWITCH, LIGHTING CONTROL STATION, AND RECEPTACLE DEVICE FACEPLATES. INCLUDE SWITCH LEG INDICATION FOR LIGHTING CONTROLS AND SWITCHES.\

REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

GENERAL NOTES - RENOVATION

-	'ER' INDICATES EXISTING ITEM TO REMAIN.
-	'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
-	ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
-	EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
-	MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
-	REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC NOTES

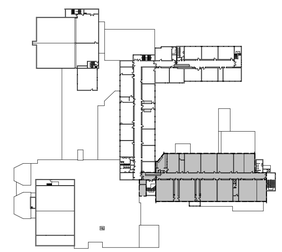
1	UTILIZE EXISTING LOCAL LIGHTING CIRCUIT MADE AVAILABLE FROM DEMOLITION FOR AREA NOTED AND CONNECT TO NEW LIGHT FIXTURE(S) AND CONTROLS AS SHOWN FOR A COMPLETE WORKING SYSTEM.
2	INDICATES EXISTING FIRE ALARM DEVICE IN RELOCATED POSITION. REWORK AND EXTEND EXISTING CONDUIT AND WIRING AS REQUIRED TO SUIT REVISED LOCATION. EXISTING DEVICE SHALL BE RE-VERIFIED IN CONFORMANCE WITH CAN/ULC-S537 "VERIFICATION OF FIRE ALARM SYSTEMS" TO ENSURE SATISFACTORY OPERATION.
3	ALL EXISTING DEVICES ON CEILINGS WITHIN AREA SHOWN SHALL BE REINSTALLED TO ACCOMMODATE NEW CEILINGS AND FIXTURES. REWORK/EXTEND EXISTING WIRING MADE AVAILABLE DURING REMOVAL AS REQUIRED TO SUIT.
4	INDICATES DIGITAL ROOM CONTROLLER TO BE INSTALLED IN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED OCCUPANCY SENSORS. REFER TO LIGHTING CONTROL DETAILS.
5	UTILIZE EXISTING BACKBOXES MADE AVAILABLE FROM DEMOLITION AND PROVIDE DIMMING WALL STATION(S) AS SHOWN FOR CONTROL OF LIGHTING GROUPS AS INDICATED. PROVIDE BLANK COVERPLATE FOR INACTIVE / REDUNDANT SWITCHES.
6	INDICATES DIGITAL ROOM CONTROLLER TO BE INSTALLED IN ACCESSIBLE CEILING SPACE FOR CONTROL OF LIGHTING FIXTURES. REFER TO LIGHTING CONTROL DETAILS.
7	PROVIDE NEW DIGITAL LIGHTING SWITCHES SHOWN C/W WIREMOLD TO CEILING TO CONCEAL CONTROL WIRING. REFER TO LIGHTING CONTROL DETAILS AND TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

SPECIFIC NOTES

8	INDICATED DETECTOR C/W RELAY BASE FOR RELEASE OF ELECTROMAGNETIC DOOR HOLDER AS SHOWN. LOCATE DETECTOR WITHIN 1.5m AND CENTRE ON DOOR(S) BEING HELD OPEN. WHEN INDICATED DEVICE IS IN ALARM, THE ASSOCIATED RELAY IN THE DEVICE BASE IS CLOSE AND CAUSE ASSOCIATED DOOR HOLDS TO RELEASE. THROUGH PROGRAMMING, WHEN INDICATED DEVICE IS IN ALARM, THE ASSOCIATED RELAY FROM THE FIRE ALARM PANEL ON GENERAL ALARM SHALL CASE DOOR HOLDS TO RELEASE.
9	INDICATES MAGNETIC HOLD OPEN DEVICE PROVIDED AS PART OF THIS SCOPE OF WORK WHICH SHALL BE RELEASED UPON SIGNAL FROM FIRE ALARM SYSTEM. REFER TO DETAIL H/E104, FIRE ALARM RISER DIAGRAM AND TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS. COORDINATE EXACT LOCATION TO INSTALL MAGNETIC HOLD OPEN DEVICE WITH ARCHITECT AND DOOR SWING.
10	PROVIDE 120V 15A HARDWIRED CONNECTION C/W JUNCTION BOX AND STEP DOWN TRANSFORMER (120V:24V) ABOVE ACCESSIBLE CEILING SPACE AND LOW VOLTAGE WIRING TO MAGNETIC DOOR HOLD OPEN DEVICES. REFER TO DETAIL E/E102 AND TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.
11	PROVIDE NEW EMERGENCY BATTERY UNIT SHOWN AND CONNECT TO UNSWITCHED SIDE OF EXISTING LOCAL LIGHTING CIRCUIT.
12	REWORK AND EXTEND EXISTING LOCAL EXIT SIGNAGE CIRCUIT AND CONNECT TO NEW EXIT SIGN INDICATED.
13	CONNECT NEW FIRE ALARM DEVICE INDICATED TO EXISTING LOCAL INITIATING CIRCUIT. RE-VERIFY PORTIONS OF ALARM SYSTEM TO CAN/ULC-S537. REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.
14	CONFIRM EXACT LOCATION OF EXISTING CEILING MOUNT RECEPTACLE BEING RELOCATED ON SITE WITH OWNER. REWORK AND EXTEND EXISTING CONDUIT AND WIRING AS REQUIRED TO SUIT.

LEVEL 2 - SCIENCE WING - ELECTRICAL - RENOVATION

SCALE: 1 : 100



KEY PLAN - LEVEL2

SCALE: NTS

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
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PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 50% PROGRESS	2024.01.14
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
5 MAR 2025
J. BINGHAM
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CHRONOLOGY	DATE

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Project Number:24162

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

LEVEL 2 - SCIENCE WING - ELECTRICAL RENOVATION PLAN

SCALE	DRAWING NUMBER
As indicated	E203
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

FOR ALL ROOFTOP CONDENSING UNITS, INSTALL FEEDERS THROUGH DOGHOUSE ROOF PENETRATION AS DETAILED ON MECHANICAL DRAWINGS.

NEW FEEDERS TO FOLLOW SAME ROUTE AS MECHANICAL PIPING. COORDINATE DETAILS WITH MECHANICAL TRADE

NOTES: CIRCUIT LABELS

PROVIDE P-TOUCH LABELS INDICATING PANEL AND CIRCUIT LABEL ON ALL LIGHT SWITCH, LIGHTING CONTROL STATION, AND RECEPTACLE DEVICE FACEPLATES. INCLUDE SWITCH LEG INDICATION FOR LIGHTING CONTROLS AND SWITCHES.\

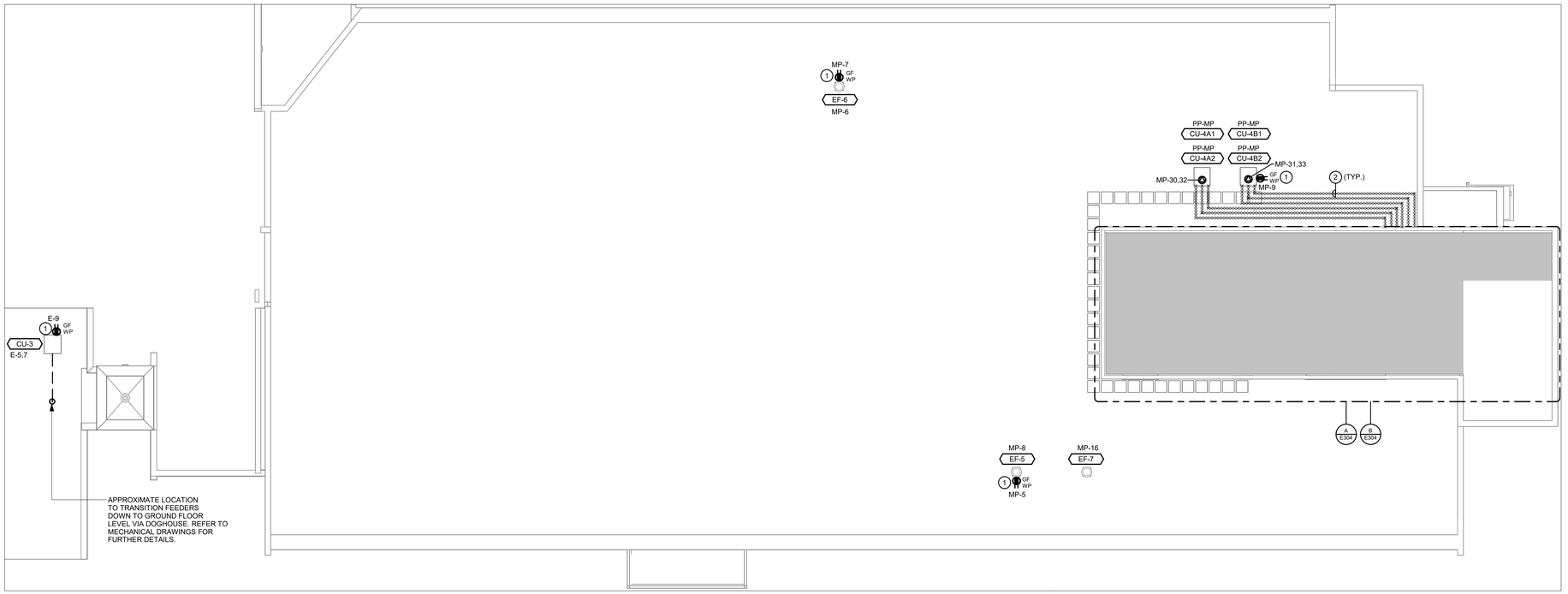
REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

GENERAL NOTES - RENOVATION

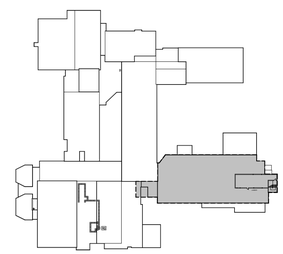
-	'ER' INDICATES EXISTING ITEM TO REMAIN.
-	'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
-	ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
-	EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
-	MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
-	REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC NOTES

1	PROVIDE T-SLOT GROUND FAULT RECEPTACLE COMPLETE WITH "EXTRA DUTY" IN-USE COVER. COORDINATE PLACEMENT WITH MECHANICAL CONTRACTOR. INDICATED DEVICE SHALL BE MOUNTED AT 915mm ABOVE FINISHED ROOF LEVEL. PROVIDE SUITABLE SUPPORT AT MECHANICAL EQUIPMENT (IF APPLICABLE).
2	INDICATES MECHANICAL PIPING TO BE HEAT TRACED BY MECHANICAL CONTRACTOR AND IS SHOWN FOR REFERENCE PURPOSES ONLY. ELECTRICAL CONTRACTOR SHALL PROVIDE 208V 1PH CIRCUIT C/W GFI PROTECTED BREAKER (30mA) FOR MECHANICAL PIPE HEAT TRACING. COORDINATE EXACT LOCATION TO PROVIDE POWER CONNECTIONS AND ALL OTHER REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO CARRYING OUT SCOPE OF WORK.



ROOF - SCIENCE WING - POWER & SYSTEMS RENOVATION PLAN
SCALE: 1 : 125



KEYPLAN - ROOF
SCALE: NTS

PROJECT NORTH

No.	REVISIONS	DATE
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
5 MAR 2025
J. BINGHAM
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PROVINCE OF ONTARIO

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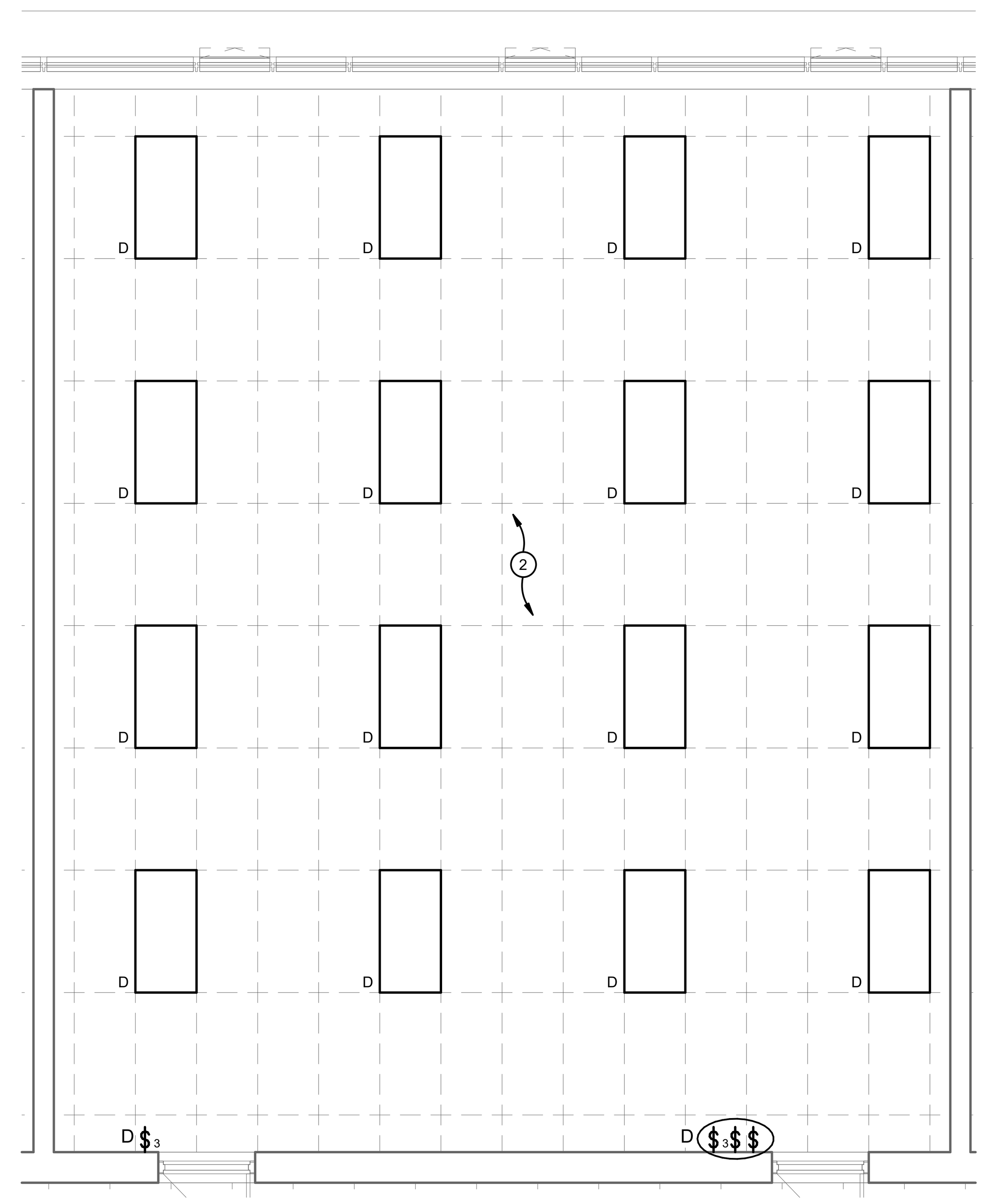
CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

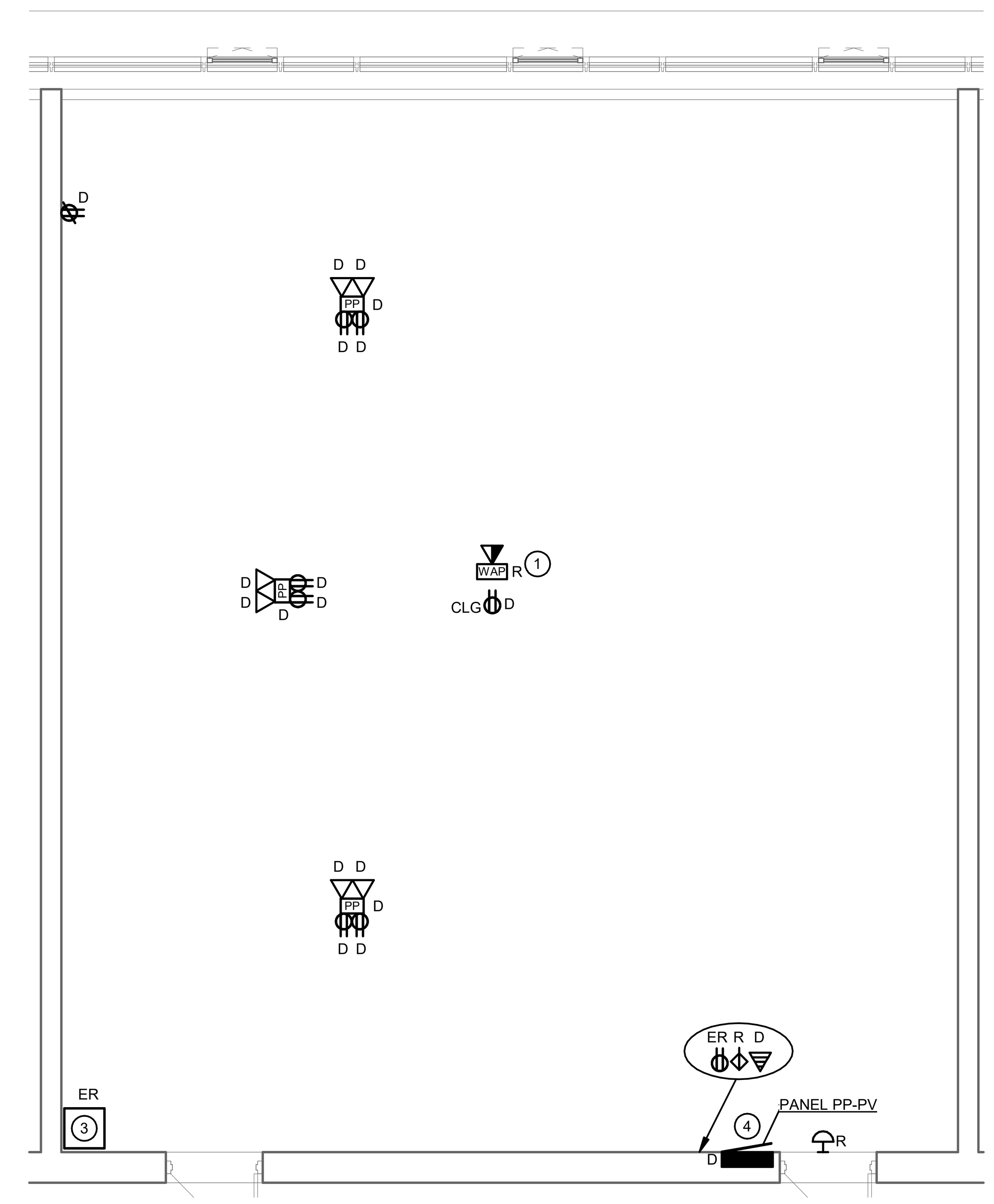
DRAWING TITLE
ROOF - SCIENCE WING - POWER & SYSTEMS RENOVATION PLAN

SCALE	DRAWING NUMBER
As indicated	E204
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	



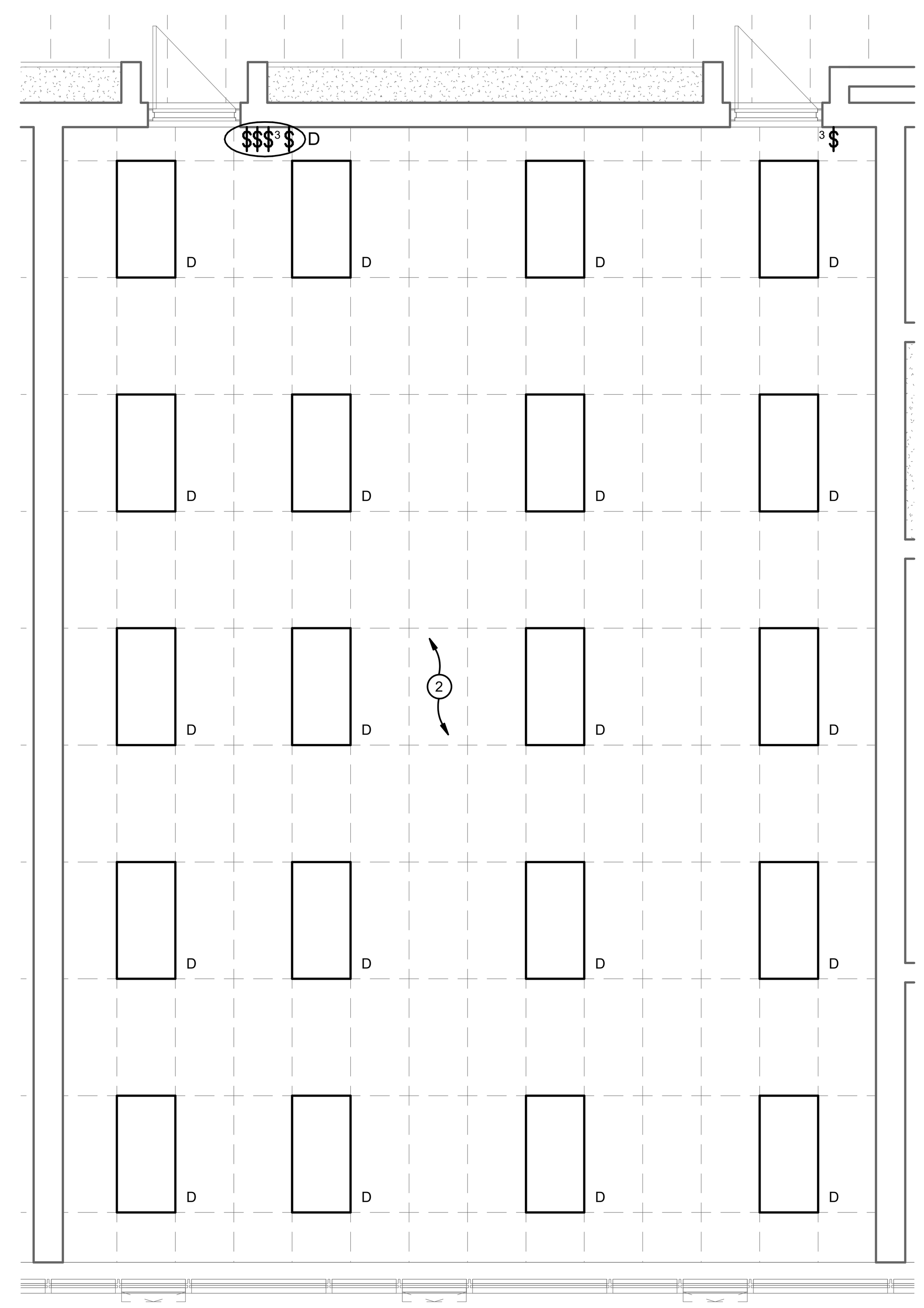
A - ENLARGED LIGHTING DEMOLITION PLAN - RM A211

SCALE: 1 : 50



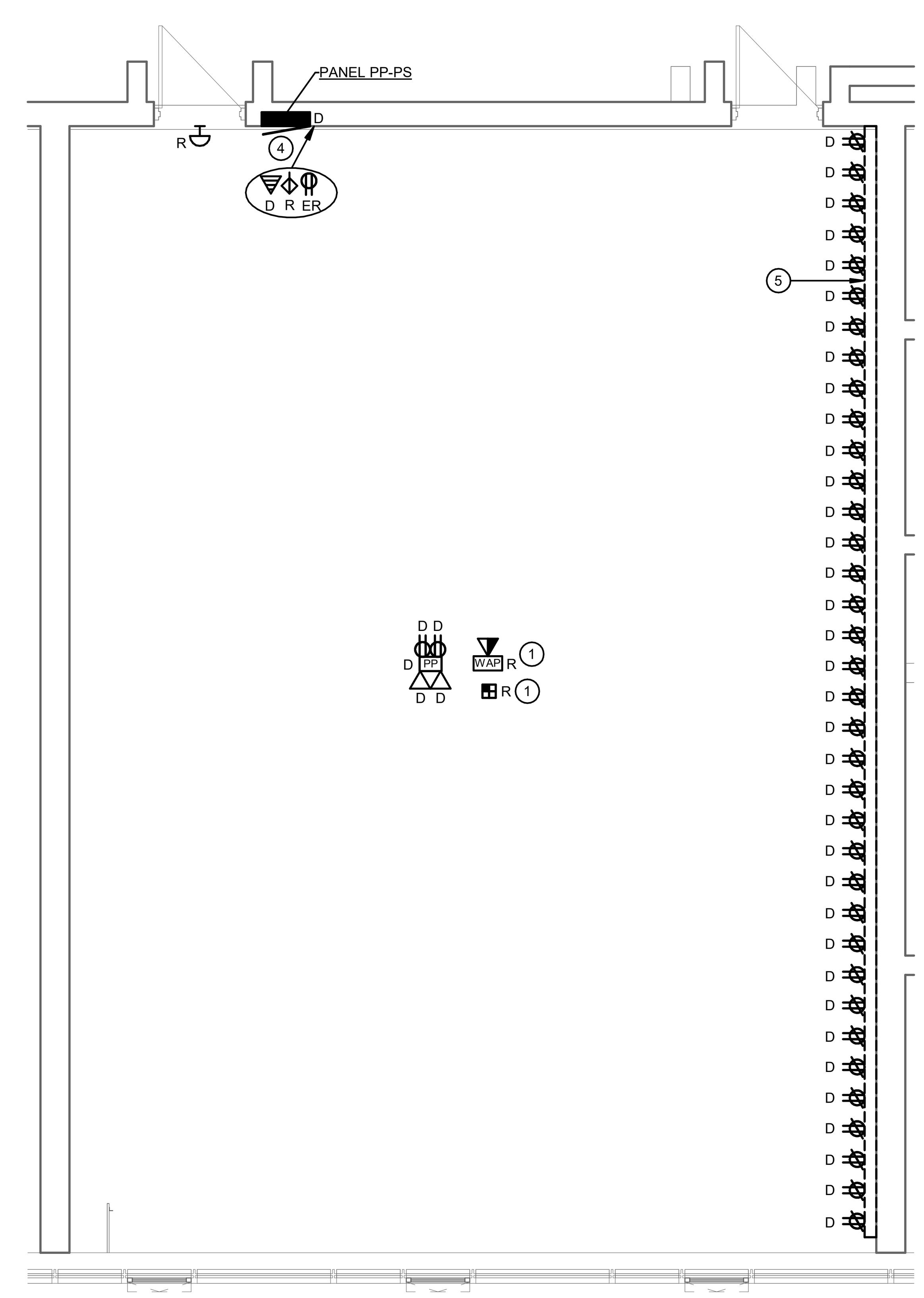
B - ENLARGED POWER & SYSTEMS DEMOLITION PLAN - RM A211

SCALE: 1 : 50



C - ENLARGED LIGHTING DEMOLITION PLAN - RM A212

SCALE: 1 : 50



D - ENLARGED POWER & SYSTEMS DEMOLITION PLAN - RM A212

SCALE: 1 : 50

GENERAL NOTES - DEMOLITION

-	'ER' INDICATES EXISTING ITEM TO REMAIN.
-	EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
-	'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
-	'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
-	ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.

SPECIFIC NOTES

1	ELECTRICAL CONTRACTOR SHALL INCLUDE AS PART OF THEIR BASE BID PRICE TO REMOVE AND REINSTALL INDICATED DEVICE TO ACCOMMODATE NEW CEILING AND FIXTURES. REWORK/EXTEND EXISTING WIRING AS REQUIRED TO SUIT NEW LOCATION OF EXISTING DEVICE AS SHOWN ON RENOVATION PLANS.
2	EXISTING FIXTURES WITHIN AREA SHOWN SHALL BE DISCONNECTED AND REMOVED COMPLETE. MAINTAIN, REWORK AND EXTEND EXISTING CIRCUIT AS REQUIRED TO SUIT NEW FIXTURES AS SHOWN ON RENOVATION DRAWINGS FOR A COMPLETE WORKING SYSTEM.
3	INDICATES EXISTING IT SERVER EQUIPMENT AND COMMUNICATION PATCH PANEL(S) TO REMAIN.
4	INDICATES EXISTING RECESSED RECEPTACLE PANEL - 120/ 240V, 1PH 3W, 100A MAINS TYPE NBLP, 14 CCT FED FROM EXISTING SOURCE DISTRIBUTION PANEL DP-4 TO BE REMOVED COMPLETE. CONTRACTOR SHALL REMOVE EXISTING FEEDER BACK TO SOURCE PANEL AND UTILIZE SAME PATHWAY FOR NEW FEEDER TO BE INSTALLED AND CONNECTED TO NEW PANEL AS SHOWN ON RENOVATION PLANS. PROVIDE NEW FINISH INSERT IN WALL C/W COLOUR FINISH TO MATCH EXISTING BLOCK WALL FOR REMOVED PANEL. COORDINATE FINISH REQUIREMENTS WITH OWNER, ARCHITECT AND CONSULTANT.
5	INDICATES EXISTING SURFACE MOUNTED RACEWAY C/W DEVICES AS SHOWN TO BE REMOVED AS PART OF THIS SCOPE OF WORK.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 50% PROGRESS	2024.01.14
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
5 MAR 2025
J. BINGHAM
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PROVINCE OF ONTARIO

CHRONOLOGY	DATE

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Phone: 519-725-3555
Website: deiassociates.ca
Project Number:24162

aba architects inc.

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

ENLARGED PLANS (1 OF 4)

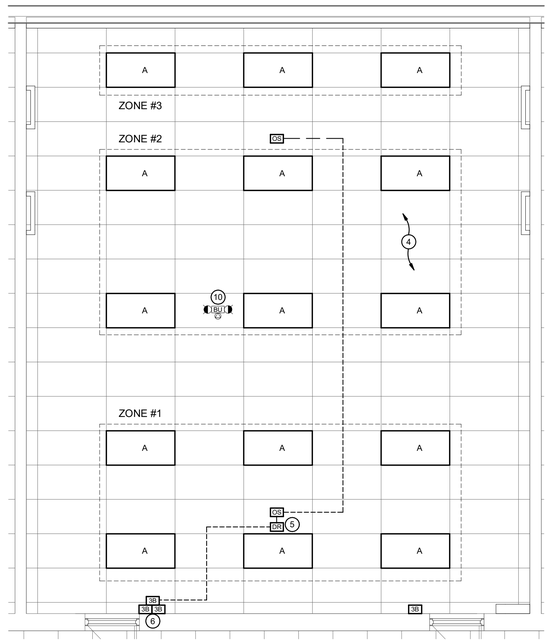
SCALE: 1 : 50

SHEET SIZE: 24X36

PROJECT NUMBER: 24162

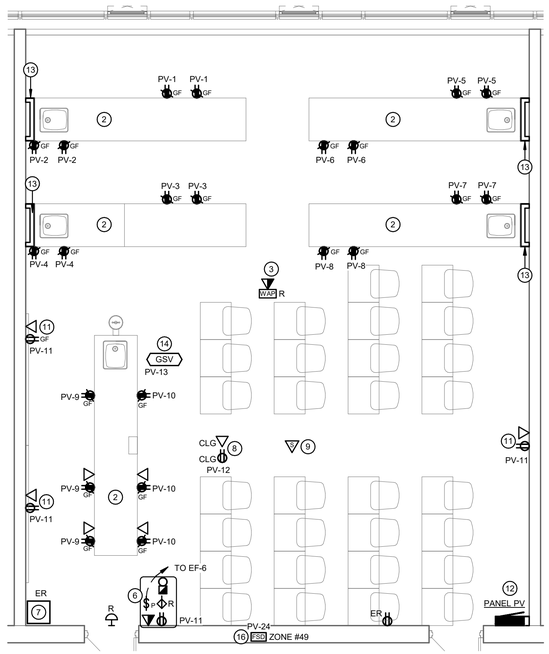
DRAWING NUMBER: E301

2025-03-05 12:46:16 PM C:_Revit\24162 WRDSB Glenview Park SS Elec Central (RVT23)_jbinghamZTL6L.rvt



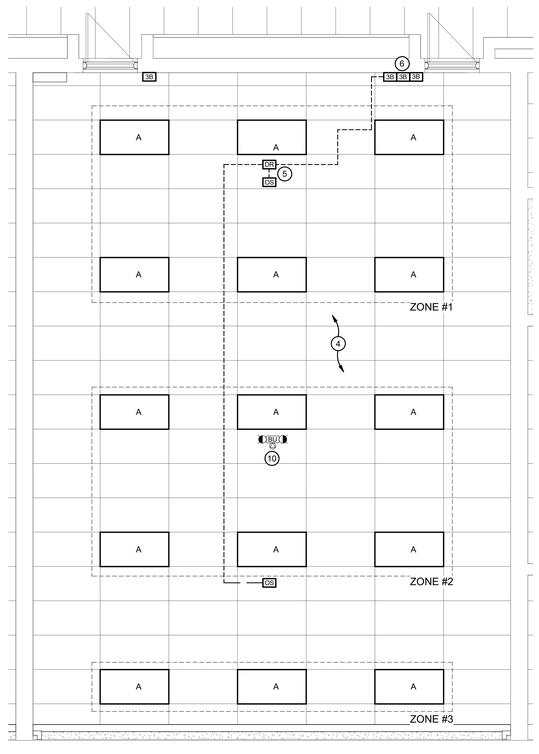
A - ENLARGED LIGHTING RENOVATION PLAN - RM A211

SCALE: 1 : 50



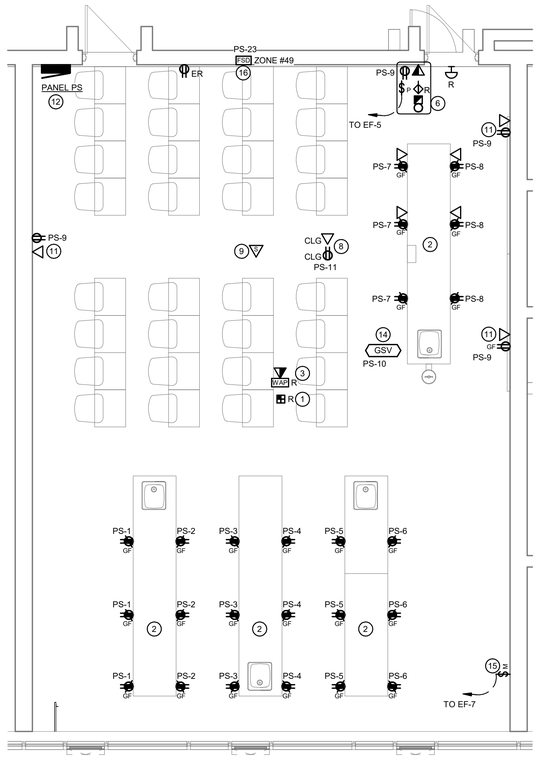
B - ENLARGED POWER & SYSTEMS RENOVATION PLAN - RM A211

SCALE: 1 : 50



C - ENLARGED LIGHTING RENOVATION PLAN - RM A212

SCALE: 1 : 50



D - ENLARGED POWER & SYSTEMS RENOVATION PLAN - RM A212

SCALE: 1 : 50

GENERAL NOTES - RENOVATION

-	'ER' INDICATES EXISTING ITEM TO REMAIN.
-	'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
-	ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
-	EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
-	MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
-	REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC NOTES

1	INDICATES EXISTING FIRE ALARM DEVICE IN RELOCATED POSITION. REWORK AND EXTEND EXISTING CONDUIT AND WIRING AS REQUIRED TO SUIT REVISED LOCATION. EXISTING DEVICE SHALL BE RE-VERIFIED IN CONFORMANCE WITH CAN/ULC-S537 "VERIFICATION OF FIRE ALARM SYSTEMS" TO ENSURE SATISFACTORY OPERATION.
2	ALL DEVICES LOCATED IN LAB BENCHES SHALL BE MOUNTED IN BLANK VERTICAL FACES OF MILLWORK. HOLES IN LAB BENCHES SHALL BE CUT BY THE MILLWORK CONTRACTOR AND COORDINATED BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION OF DEVICES. COORDINATE REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
3	INDICATED DEVICE SHALL BE REINSTALLED TO ACCOMMODATE NEW CEILINGS AND FIXTURES. REWORK/EXTEND EXISTING WIRING MADE AVAILABLE DURING REMOVAL AS REQUIRED TO SUIT.
4	UTILIZE EXISTING LOCAL LIGHTING CIRCUIT MADE AVAILABLE FROM DEMOLITION FOR AREA NOTED AND CONNECT TO NEW LIGHT FIXTURE(S) AND CONTROLS AS SHOWN FOR A COMPLETE WORKING SYSTEM.
5	INDICATES DIGITAL ROOM CONTROLLER TO BE INSTALLED IN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED OCCUPANCY SENSORS. REFER TO LIGHTING CONTROL DETAILS.
6	INDICATES DEVICES TO BE MOUNTED IN PRE-FABRICATED PANEL. REFER TO DETAIL B/E102.
7	INDICATES EXISTING IT SERVER EQUIPMENT AND COMMUNICATION PATCH PANEL(S) TO REMAIN.
8	INDICATES DEVICES TO BE PROVIDED FOR OWNER'S CEILING MOUNTED PROJECTOR. CONFIRM EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
9	INDICATES PUBLIC ADDRESS SPEAKER TO BE CONNECTED TO PUBLIC ADDRESS NETWORK FOR A COMPLETE WORKING SYSTEM. COORDINATE WITH SCHOOL PUBLIC ADDRESS CONTRACTOR PRIOR TO INSTALLATION.
10	PROVIDE NEW EMERGENCY BATTERY UNIT SHOWN AND CONNECT TO UNSWITCHED SIDE OF EXISTING LOCAL LIGHTING CIRCUIT.
11	PROVIDE NEW DEVICES INDICATED C/W SURFACE MOUNT RACEWAY VIA WIREMOLD ONTO EXISTINGWALL PARITION TO CONCEAL WIRING. COORDINATE ROUTING OF RACEWAR WITH TEACHER'S WHITEBOARD LAYOUT AND OWNER PRIOR TO INSTALLATION. REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.
12	INDICATES NEW PANEL TO BE RECESSED INTO CHASE WALL PROVIDED BY ARCHITECT. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER DETAILS AND REQUIREMENTS.
13	INDICATES PROPOSED CHASE TO TRANSITION BRANCH CIRCUIT WIRING INTO MILLWORK. COORDINATE REQUIREMENTS WITH ARCHITECT AND MILLWORK CONTRACTOR PRIOR TO INSTALLATION.
14	INDICATED MECHANICAL EQUIPMENT TO BE INSTALLED WITHIN MILLWORK BY MECHANICAL CONTRACTOR. COORDINATE EXACT LOCATION ON SITE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
15	CONFIRM EXACT LOCATION TO INSTALL FAN MOTOR SWITCH ON SITE WITH MECHANICAL CONTRACTOR AND OWNER PRIOR TO ROUGH-IN.
16	PROVIDE 120V POWER AND FIRE ALARM CONNECTIONS TO FIRE/SMOKE DAMPER C/W INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM SPECIFICATIONS AND TO RISER DIAGRAM FOR FURTHER DETAILS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

ALL CONDUIT AND WIRING FOR DEVICES LOCATED IN LAB BENCHES SHALL BE INSTALLED UNDERNEATH FLOOR SLAB. COORDINATE DETAILS AND REQUIREMENTS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

NOTES: CIRCUIT LABELS

PROVIDE P-TOUCH LABELS INDICATING PANEL AND CIRCUIT LABEL ON ALL LIGHT SWITCH, LIGHTING CONTROL STATION, AND RECEPTACLE DEVICE FACEPLATES. INCLUDE SWITCH LEG INDICATION FOR LIGHTING CONTROLS AND SWITCHES.\

REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

PROJECT NORTH

No.	REVISIONS	DATE
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
5 MAR 2025
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Project Number:24162

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

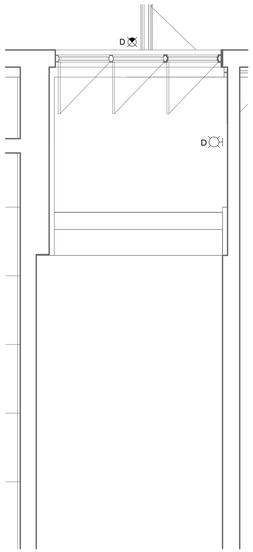
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

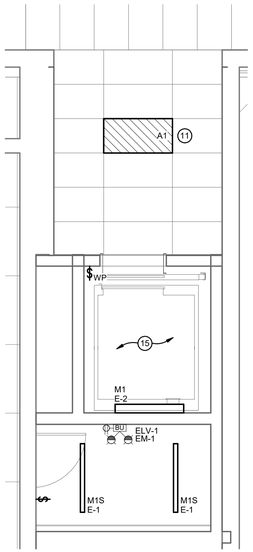
ENLARGED PLANS (2 OF 4)

SCALE	DRAWING NUMBER
1 : 50	E302
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

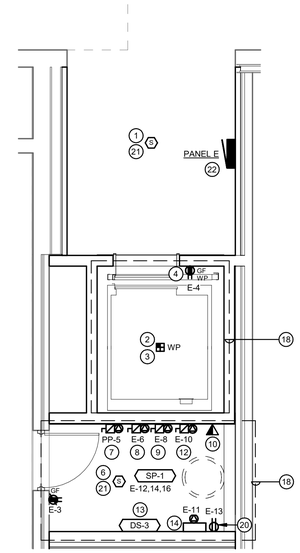
2025-03-05 12:46:17 PM C:_Revit\24162 WBDSB Glenview Park SS Elec Central (RVT23)_jbingham2TL4L.rvt



A - LIGHTING DEMOLITION PLAN - ELEVATOR LEVEL 1
SCALE: 1 : 50



B - LIGHTING RENOVATION PLAN - ELEVATOR LEVEL 1
SCALE: 1 : 50



E - POWER & SYSTEMS RENOVATION PLAN - ELEVATOR LEVEL 1
SCALE: 1 : 50

C - LIGHTING DEMOLITION PLAN - ELEVATOR LEVEL 2
SCALE: 1 : 50

D - LIGHTING RENOVATION PLAN - ELEVATOR LEVEL 2
SCALE: 1 : 50

F - POWER & SYSTEMS RENOVATION PLAN - ELEVATOR LEVEL 2
SCALE: 1 : 50

NOTES: CIRCUIT LABELS

PROVIDE P-TOUCH LABELS INDICATING PANEL AND CIRCUIT LABEL ON ALL LIGHT SWITCH, LIGHTING CONTROL STATION, AND RECEPTACLE DEVICE FACEPLATES. INCLUDE SWITCH LEG INDICATION FOR LIGHTING CONTROLS AND SWITCHES.\

REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.

GENERAL NOTES - DEMOLITION

-	'ER' INDICATES EXISTING ITEM TO REMAIN.
-	EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
-	'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT, UNLESS OTHERWISE NOTED.
-	'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
-	ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.

GENERAL NOTES - RENOVATION

-	'ER' INDICATES EXISTING ITEM TO REMAIN.
-	'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
-	ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
-	EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
-	MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
-	REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC NOTES

1	PROVIDE PROGRAMMING TO INITIATE ELEVATOR RECALL SEQUENCE WHEN ELEVATOR LOBBY SMOKE DETECTOR IS ACTIVATED. PROVIDE REQUIRED COMPONENTS, WIRING ACCESSORIES TO ELEVATOR CONTROLLER.
2	PROVIDE PROGRAMMING TO INITIATE ELEVATOR RECALL SEQUENCE WHEN ELEVATOR PIT HEAT DETECTOR IS ACTIVATED. PROVIDE REQUIRED COMPONENTS, WIRING ACCESSORIES TO ELEVATOR CONTROLLER.
3	INDICATES NEW HEAT DETECTOR TO BE TIED INTO EXISTING FIRE ALARM SYSTEM. CONTRACTOR SHALL RE-WORK AND EXTEND EXISTING LOCAL INITIATING CIRCUIT AND CONNECT TO NEW DEVICE FOR A COMPLETE WORKING SYSTEM. MOUNT HEAT DETECTOR OFF BACK WALL OF ELEVATOR PIT. PROVIDE PROTECTIVE CAGE.
4	INDICATES RECEPTACLE TO BE MOUNTED IN ELEVATOR PIT. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT ON SITE WITH ELEVATOR CONTRACTOR PRIOR TO ROUGH-IN.
5	INDICATES NEW SMOKE DETECTOR TO BE TIED INTO EXISTING FIRE ALARM SYSTEM. CONTRACTOR SHALL RE-WORK AND EXTEND EXISTING LOCAL INITIATING CIRCUIT AND CONNECT TO NEW DEVICE FOR A COMPLETE WORKING SYSTEM. MOUNT SMOKE DETECTOR INDICATED AT TOP OF ELEVATOR SHAFT.
6	PROVIDE PROGRAMMING TO INITIATE ELEVATOR RECALL SEQUENCE WHEN ELEVATOR MACHINE ROOM SMOKE DETECTOR IS ACTIVATED. PROVIDE REQUIRED COMPONENTS, WIRING ACCESSORIES TO ELEVATOR CONTROLLER.
7	PROVIDE 208V 3PH POWER ALONG WITH FUSED DISCONNECT (C/W TWO SETS OF AUXILIARY CONTACTS) FOR ELEVATOR CONTROLLER. REFER TO DISTRIBUTION RISER DIAGRAM FOR FURTHER DETAILS AND REQUIREMENTS. COORDINATE WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONNECTION TO ELEVATOR CONTROLLER.
8	PROVIDE 120V POWER ALONG WITH 30A-1P FUSIBLE DISCONNECT C/W 15A CLASS 'J' FUSE FOR ELEVATOR CAB LIGHTING. COORDINATE WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
9	PROVIDE 30A-1P FUSIBLE DISCONNECT C/W 15A FUSE FOR ELEVATOR COMMUNICATION DISCONNECT. CONNECT TO CIRCUIT INDICATED. CONFIRM EXACT LOCATION/REQUIREMENTS WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
10	PROVIDE TELEPHONE/DATA OUTLET (ROUGH-IN ONLY) TO SUIT ELEVATOR SUPPLIER'S REQUIREMENTS. COORDINATE EXACT LOCATION OF TELEPHONE/DATA OUTLET WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
11	INDICATES NEW NIGHT LIGHT FIXTURE TO BE ON 24/7. CONNECT FIXTURE TO UNSWITCHED SIDE OF EXISTING LOCAL LIGHTING CIRCUIT.
12	PROVIDE 30A-1P FUSIBLE DISCONNECT C/W 15A FUSE FOR ELEVATOR TANK COOLER DISCONNECT. CONNECT TO CIRCUIT INDICATED. CONFIRM EXACT LOCATION/REQUIREMENTS WITH ELEVATOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
13	INDICATED INDOOR AC UNIT TO BE POWERED THROUGH OUTDOOR CONDENSING UNIT. PROVIDE CONDUIT AND WIRE (3#12AWG T90 CU IN 21mmC). COORDINATE DETAILS AND REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
14	INDICATES ELEVATOR SUMP PUMP CONTROL PANEL. COORDINATE DETAILS AND REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
15	INDICATES LIGHT FIXTURE AND SWITCH TO BE MOUNTED IN ELEVATOR PIT. COORDINATE EXACT LOCATION TO MOUNT FIXTURE AND SWITCH ON SITE WITH ELEVATOR CONTRACTOR.
16	INDICATED FIXTURE SHALL BE DISCONNECTED AND REMOVED COMPLETE. MAINTAIN, REWORK AND EXTEND EXISTING CIRCUIT AS REQUIRED TO SUIT NEW FIXTURES AS SHOWN ON RENOVATION DRAWINGS FOR A COMPLETE WORKING SYSTEM.
17	INDICATES LIGHT FIXTURE AND SWITCH TO BE MOUNTED AT TOP OF ELEVATOR SHAFT. COORDINATE EXACT LOCATION TO MOUNT FIXTURE AND SWITCH ON SITE WITH ELEVATOR CONTRACTOR.
18	CONTRACTOR TO UPDATE EXISTING ANNUNCIATOR ZONE SCHEDULE AND PASSIVE GRAPHICS WITH NEW ZONE. REFER TO ANNUNCIATOR ZONE SCHEDULE AND FIRE ALARM RISER DIAGRAM FOR FURTHER DETAILS. ALL NEW FIRE ALARM DEVICES SHALL BE INSTALLED IN CONFORMANCE WITH CAN/ULC-S524 "INSTALLATION OF FIRE ALARM SYSTEMS" AND VERIFIED IN CONFORMANCE WITH CAN/ULC-S537 "VERIFICATION OF FIRE ALARM SYSTEMS TO ENSURE SATISFACTORY OPERATION.
19	INDICATES RECEPTACLE TO BE MOUNTED AT TOP OF ELEVATOR SHAFT. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT ON SITE WITH ELEVATOR CONTRACTOR PRIOR TO ROUGH-IN.
20	INDICATES RECEPTACLE TO BE PROVIDED BY ELECTRICAL CONTRACTOR FOR SUMP PUMP HIGH LEVEL ALARM. COORDINATE EXACT LOCATION AND DETAILS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
21	CONNECT NEW FIRE ALARM INITIATING DEVICE TO EXISTING LOCAL INITIATING CIRCUIT.RE-VERIFY PORTIONS OF ALARM SYSTEM TO CAN/ULC-S537. REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.
22	INDICATES NEW PANEL TO BE RECESSED INTO BLOCK WALL. COORDINATE DETAILS AND REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 50% PROGRESS	2024.01.14
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
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CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

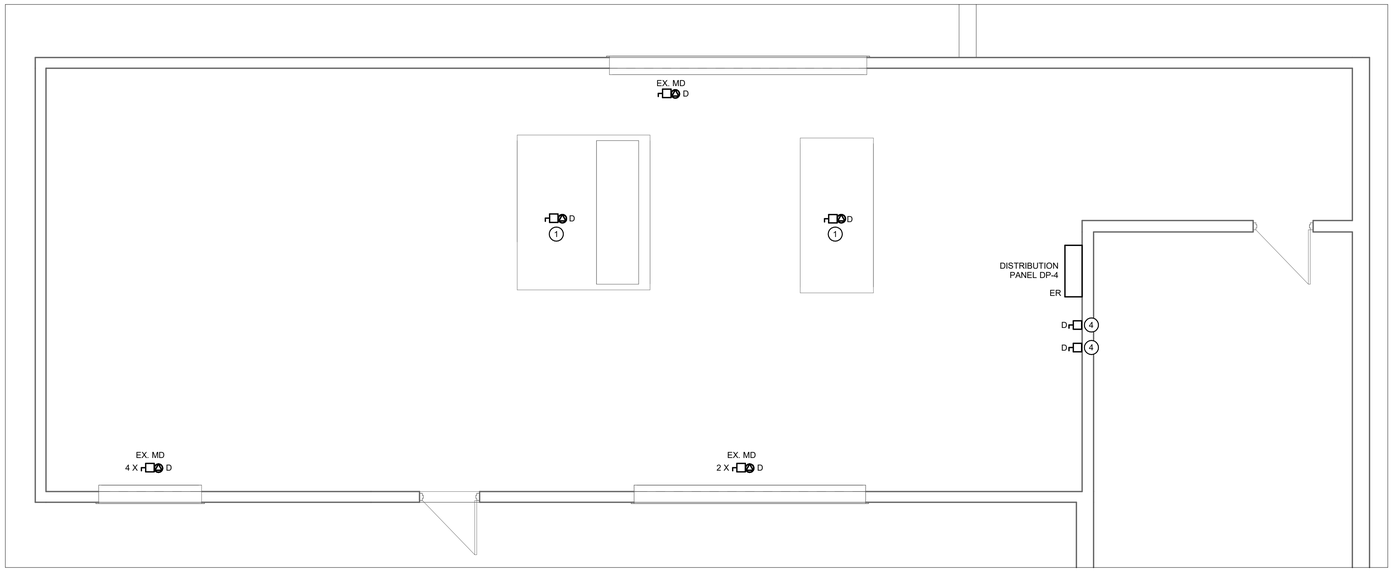
DRAWING TITLE
ENLARGED PLANS (3 OF 4)

SCALE
1 : 50

SHEET SIZE
24X36

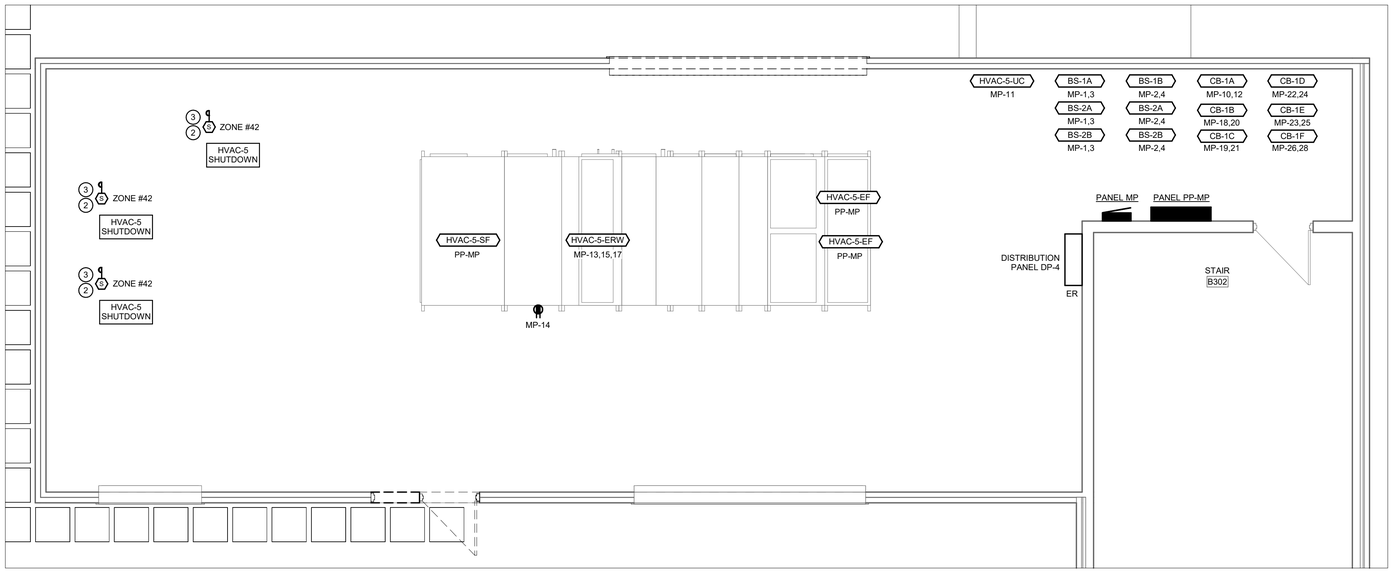
PROJECT NUMBER
24162

DRAWING NUMBER
E303



A - ROOF - MECHANICAL ROOM - POWER & SYSTEMS - DEMOLITION PLAN

SCALE: 1 : 50



B - ROOF - MECHANICAL ROOM - POWER & SYSTEMS - RENOVATION PLAN

SCALE: 1 : 50

GENERAL NOTES - DEMOLITION

-	'ER' INDICATES EXISTING ITEM TO REMAIN.
-	EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
-	'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
-	'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
-	ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.

GENERAL NOTES - RENOVATION

-	'ER' INDICATES EXISTING ITEM TO REMAIN.
-	'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
-	ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
-	EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
-	MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
-	REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC NOTES

1	INDICATES EXISTING FAN UNIT TO BE REMOVED COMPLETE BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING CONDUIT AND WIRING BACK TO SOURCE PANEL AND MAKE SAFE. MARK BREAKER AS SPARE.
2	INDICATES DUCT TYPE SMOKE DETECTOR MOUNTED IN STRAIGHT SECTION OF SUPPLY DUCT OF MECHANICAL DUCT. REFER TO MECHANICAL DRAWINGS FOR PROPOSED DUCT LOCATIONS AND FURTHER DETAILS. COORDINATE EXACT LOCATION TO INSTALL DUCT SMOKE DETECTOR WITH DUCT STRUCTURE AND ACCESSORIES (SILENCERS) FOR SUITABLE RUN. CONFIRM LOCATION, DETAILS AND REQUIREMENTS WITH THE FIRE ALARM MANUFACTURER AND MECHANICAL CONTRACTOR.
3	CONNECT NEW FIRE ALARM INITIATING DEVICE TO EXISTING LOCAL INITIATING CIRCUIT.RE-VERIFY PORTIONS OF ALARM SYSTEM TO CAN/ULC-S537. REFER TO SPECIFICATIONS FOR FURTHER DETAILS AND REQUIREMENTS.
4	INDICATES EXISTING EXHAUST FAN DISCONNECT SWITCHES TO BE REMOVED AS PART OF THIS SCOPE OF WORK. COORDINATE EXACT LOCATION AND DETAILS WITH MECHANICAL CONTRACTOR.

PROJECT NORTH

No.	REVISIONS	DATE
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
5 MAR 2025
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Project Number:24162

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CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

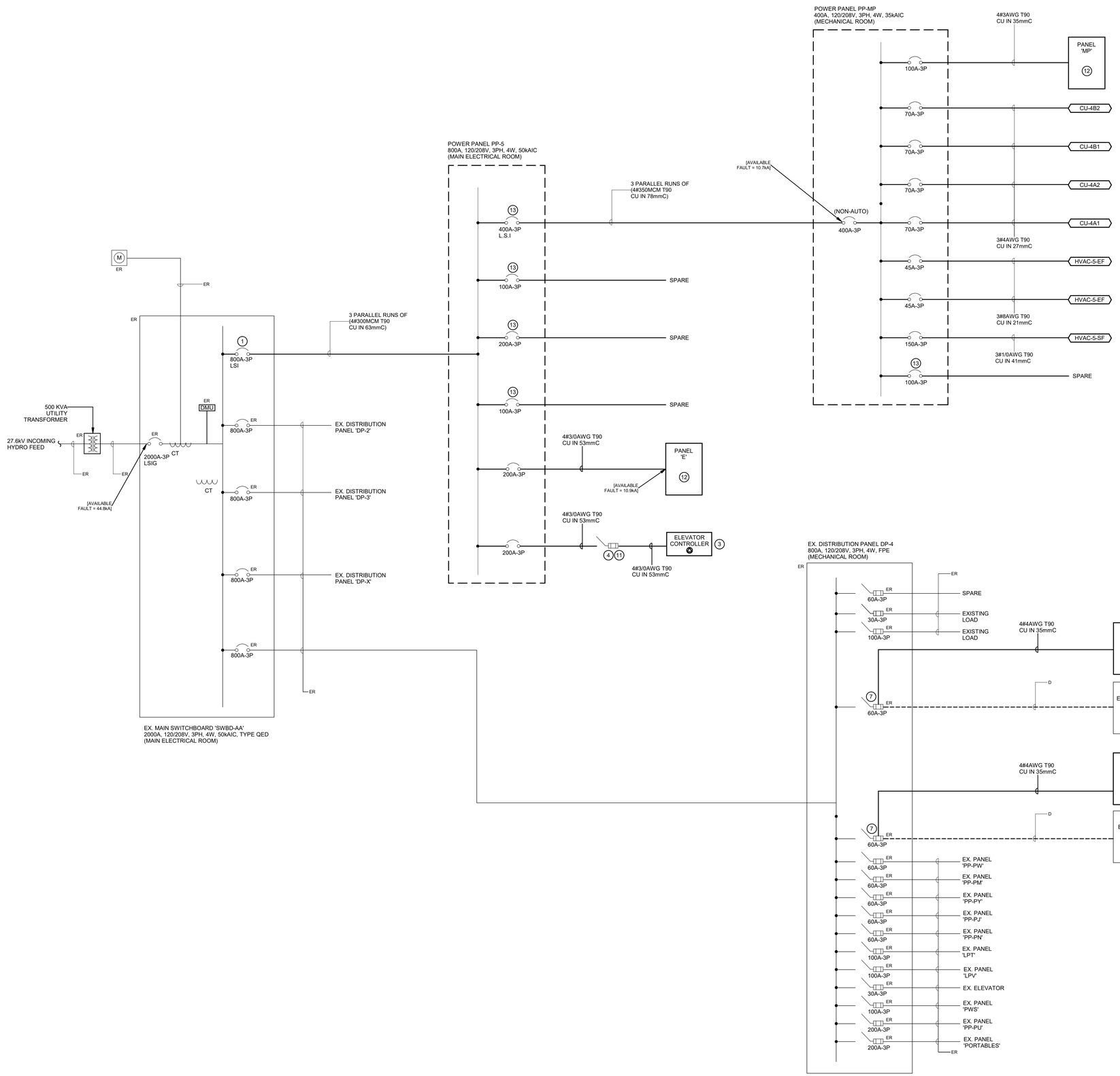
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

ENLARGED PLANS (4 OF 4)

SCALE	DRAWING NUMBER
1 : 50	E304
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

2025-03-05 12:46:18 PM C:_Revit\24162 WRDSB Glenview Park SS Elec Cambd (RVT23)_jbingham3TL4L.rvt



GENERAL NOTES - DISTRIBUTION RISER

A	RISER IS DIAGRAMMATIC ONLY. REFER TO FLOOR PLANS FOR LOCATION OF ALL DISTRIBUTION EQUIPMENT AND FURTHER REQUIREMENTS.
B	REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING MOULDED CASE CIRCUIT BREAKERS.
C	PROVIDE GROUND WIRE IN ALL BRANCH CIRCUITS AND FEEDERS TO SUIT THE ONTARIO ELECTRICAL SAFETY CODE.
D	ALL LIGHTING CIRCUITS SHALL BE PROVIDED WITH SEPARATE NEUTRALS. SIZE BRANCH CONDUITS ACCORDINGLY.
E	ALL DISTRIBUTION EQUIPMENT SHALL BE PROVIDED WITH WARNING LABELS CONFORMING TO THE ONTARIO ELECTRICAL SAFETY CODE RULE #2-306(1)(2).
F	REFER TO PANEL SCHEDULES FOR QUANTITY OF CIRCUITS AND FURTHER DETAILS.
G	ALL CONDUCTORS FOR THE FIRE ALARM SYSTEM SHALL BE INSTALLED IN A SEPARATE ENCLOSED CONDUIT SYSTEM.

SPECIFIC NOTES

1	PROVIDE NEW BREAKER INDICATED C/W NEW REQUIRED MOUNTING HARDWARE TO ACCOMMODATE WIRE SIZE INDICATED. PROCURE FOR THE SERVICES OF SCHNEIDER FIELD SERVICES GROUP TO REWORK, MODIFY AND RECERTIFY PANEL BUS AS REQUIRED TO FACILITATE INSTALLATION OF NEW BREAKER PROVIDED AS PART OF THIS SCOPE OF WORK.
2	NOT USED.
3	CONNECTIONS TO THE LINE SIDE OF ELEVATOR CONTROL PANEL SHALL BE UNDER THE DIRECT GUIDANCE OF THE ELEVATOR CONTRACTOR. CONFIRM ALL POWER, DISCONNECT SWITCH AND CONTROL WIRING REQUIREMENTS WITH ELEVATOR SHOP DRAWINGS PRIOR TO PROCURING AND INSTALLING ELECTRICAL REQUIREMENTS.
4	DISCONNECT SWITCH INDICATED FOR ELEVATOR CONTROL PANEL MUST BE LOCKABLE (I.E EQUIPPED WITH MEANS FOR LOCKING IT IN THE OPEN POSITION). PROVIDE TWO (2) SETS OF ELEVATOR RATED AUXILIARY CONTACTS TO SUIT THE ELEVATOR CONTRACTOR. COORDINATE EXACT LOCATION TO MOUNT DISCONNECT SWITCH ON SITE WITH ELEVATOR CONTRACTOR.
5	NOT USED.
6	NOT USED.
7	PROVIDE NEW 60A-3P FUSES IN EXISTING 60A-3P FUSIBLE DISCONNECT SWITCH INDICATED.
8	CONTRACTOR SHALL SWING OVER TEN (10) EXISTING CIRCUITS AS REQUIRED FROM PANEL PP-PV TO NEW PANEL PV PROVIDED AS PART OF THIS SCOPE OF WORK TO MAINTAIN EXISTING SERVICES. REFER TO RENOVATION PLAN FOR LOCATION OF NEW PANEL. EXISTING TO REMAIN SERVICES TO BE IDENTIFIED DURING CONSTRUCTION AND ARE NOT SHOWN ON THE DRAWINGS. PROVIDE NEW BREAKERS AND EXTEND EXISTING CONDUIT AND WIRE FEEDING EXISTING BRANCH DEVICES AND TIE INTO RESPECTIVE CIRCUITS RELOCATED TO NEW PANEL PV.
9	CONTRACTOR SHALL SWING OVER TEN (10) EXISTING CIRCUITS AS REQUIRED FROM PANEL PP-PS TO NEW PANEL PS PROVIDED AS PART OF THIS SCOPE OF WORK TO MAINTAIN EXISTING SERVICES. REFER TO RENOVATION PLAN FOR LOCATION OF NEW PANEL. EXISTING TO REMAIN SERVICES TO BE IDENTIFIED DURING CONSTRUCTION AND ARE NOT SHOWN ON THE DRAWINGS. PROVIDE NEW BREAKERS AND EXTEND EXISTING CONDUIT AND WIRE FEEDING EXISTING BRANCH DEVICES AND TIE INTO RESPECTIVE CIRCUITS RELOCATED TO NEW PANEL PS.
10	INDICATES RECEPTACLE PANEL - 120/208V, 3PH/4W, 100A MAINS, 10KAIC
11	INDICATES 208V 3 PHASE 200A DISCONNECT SWITCH C/W 150A CLASS D FUSES.
12	INDICATES RECEPTACLE PANEL - 120/208V, 3PH/4W, 225A MAINS, 25KAIC
13	INDICATES PREPARED SPACE FOR FUTURE BREAKER. PROVIDE ALL REQUIRED MOUNTING HARDWARE AND ACCESSORIES.

PROJECT NORTH

No.	REVISIONS	DATE
1	ISSUED FOR 50% PROGRESS	2024.01.14
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
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CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE
DISTRIBUTION RISER DIAGRAM - RENOVATION

SCALE	DRAWING NUMBER
1 : 1	E401
SHEET SIZE: 24X36	
PROJECT NUMBER: 24162	

PANEL E

MAINS: 225 A **VOLTAGE:** 120/208V 3PH4W **INTERRUPTING CAPACITY:** 25 kAIC
MOUNTING: RECESSED **NEUTRAL BUS:** 100% **ENCLOSURE:** TYPE 2

CKT	Load Name	Type	Rating	Poles	A	B	C	Poles	Rating	Type	Load Name	CKT
1	ELEV. MACHINE RM LIGHTING		15 A	1	■			1	15 A		ELEVATOR PIT LIGHTING	2
3	ELEV MACHINE RM RECEPTACLE		20 A	1		■		1	20 A		ELEVATOR PIT / SHAFT RECEPTACLES	4
5	CONDENSING UNIT (CU-3)		30 A	2			■	1	15 A		ELEVATOR CAB LIGHTING	6
7					■			1	15 A		ELEVATOR CAB COMMUNICATION	8
9	ROOF MAINTENANCE RECEPTACLE		20 A	1		■		1	15 A		TANK COOLER	10
11	SUMP PUMP CONTROL PANEL		15 A	1			■					12
13	SUMP PUMP ALARM RECEPTACLE		15 A	1	■			3	15 A		SUMP PUMP (SP-1)	14
15	DOOR OPERATOR LEVEL 1 STAIR		15 A	1		■						16
17	DOOR HOLD OPEN		15 A	1			■	1	20 A		NEUTRALIZING TANK RECEPTACLE A118	18
19					■							20
21						■						22
23							■					24
25					■							26
27						■						28
29							■					30
31					■							32
33						■						34
35							■					36
37	SPARE	--	15 A	1	■			1	20 A	--	SPARE	38
39	SPARE	--	15 A	1		■		1	20 A	--	SPARE	40
41	SPARE	--	15 A	1			■	1	20 A	--	SPARE	42

NOTES:

PANEL PS

MAINS: 100 A **VOLTAGE:** 120/208V 3PH4W **INTERRUPTING CAPACITY:** 10 kAIC
MOUNTING: RECESSED **NEUTRAL BUS:** 100% **ENCLOSURE:** TYPE 2

CKT	Load Name	Type	Rating	Poles	A	B	C	Poles	Rating	Type	Load Name	CKT
1	WORKBENCH RECEPTACLES		20 A	1	■			1	20 A		WORKBENCH RECEPTACLES	2
3	WORKBENCH RECEPTACLES		20 A	1		■		1	20 A		WORKBENCH RECEPTACLES	4
5	WORKBENCH RECEPTACLES		20 A	1			■	1	20 A		WORKBENCH RECEPTACLES	6
7	WORKBENCH RECEPTACLES		20 A	1	■			1	20 A		WORKBENCH RECEPTACLES	8
9	WALL RECEPTACLES		15 A	1		■		1	15 A		GAS SOLENOID VALVE	10
11	CEILING RECEPTACLE		15 A	1			■	1	15 A		BAS PANEL	12
13	EXISTING BRANCH CIRCUIT	--	15 A	1	■			1	15 A	--	EXISTING BRANCH CIRCUIT	14
15	EXISTING BRANCH CIRCUIT	--	15 A	1		■		1	15 A	--	EXISTING BRANCH CIRCUIT	16
17	EXISTING BRANCH CIRCUIT	--	15 A	1			■	1	15 A	--	EXISTING BRANCH CIRCUIT	18
19	EXISTING BRANCH CIRCUIT	--	15 A	1	■			1	15 A	--	EXISTING BRANCH CIRCUIT	20
21	EXISTING BRANCH CIRCUIT	--	15 A	1		■		1	15 A	--	EXISTING BRANCH CIRCUIT	22
23	FIRE SMOKE DAMPER		15 A	1			■	1	15 A	--	SPARE	24
25	SPARE	--	20 A	1	■			1	15 A	--	SPARE	26
27	SPARE	--	20 A	1		■		1	15 A	--	SPARE	28
29	SPARE	--	20 A	1			■	1	15 A	--	SPARE	30

NOTES:

PANEL PV

MAINS: 100 A **VOLTAGE:** 120/208V 3PH4W **INTERRUPTING CAPACITY:** 10 kAIC
MOUNTING: RECESSED **NEUTRAL BUS:** 100% **ENCLOSURE:** TYPE 2

CKT	Load Name	Type	Rating	Poles	A	B	C	Poles	Rating	Type	Load Name	CKT
1	WORKBENCH RECEPTACLES		20 A	1	■			1	20 A		WORKBENCH RECEPTACLES	2
3	WORKBENCH RECEPTACLES		20 A	1		■		1	20 A		WORKBENCH RECEPTACLES	4
5	WORKBENCH RECEPTACLES		20 A	1			■	1	20 A		WORKBENCH RECEPTACLES	6
7	WORKBENCH RECEPTACLES		20 A	1	■			1	20 A		WORKBENCH RECEPTACLES	8
9	WORKBENCH RECEPTACLES		20 A	1		■		1	20 A		WORKBENCH RECEPTACLES	10
11	WALL RECEPTACLES		15 A	1			■	1	15 A		CEILING RECEPTACLE	12
13	GAS SOLENOID VALVE		15 A	1	■			1	15 A	--	EXISTING BRANCH CIRCUIT	14
15	EXISTING BRANCH CIRCUIT	--	15 A	1		■		1	15 A	--	EXISTING BRANCH CIRCUIT	16
17	EXISTING BRANCH CIRCUIT	--	15 A	1			■	1	15 A	--	EXISTING BRANCH CIRCUIT	18
19	EXISTING BRANCH CIRCUIT	--	15 A	1	■			1	15 A	--	EXISTING BRANCH CIRCUIT	20
21	EXISTING BRANCH CIRCUIT	--	15 A	1		■		1	15 A	--	EXISTING BRANCH CIRCUIT	22
23	EXISTING BRANCH CIRCUIT	--	15 A	1			■	1	15 A		FIRE SMOKE DAMPER	24
25	SPARE	--	15 A	1	■			1	20 A	--	SPARE	26
27	SPARE	--	15 A	1		■		1	20 A	--	SPARE	28
29	SPARE	--	15 A	1			■	1	20 A	--	SPARE	30

NOTES:

PANEL MP

MAINS: 225 A **VOLTAGE:** 120/208V 3PH4W **INTERRUPTING CAPACITY:** 25 kAIC
MOUNTING: SURFACE **NEUTRAL BUS:** 100% **ENCLOSURE:** TYPE 2

CKT	Load Name	Type	Rating	Poles	A	B	C	Poles	Rating	Type	Load Name	CKT
1	BRANCH SELECTOR CU-4A		15 A	2	■			2	15 A		BRANCH SELECTOR CU-4B	2
3						■						4
5	ROOF MAINTENANCE RECEPTACLE		20 A	1			■	1	15 A		ROOF EXHAUST FAN (EF-6)	6
7	ROOF MAINTENANCE RECEPTACLE		20 A	1	■			1	15 A		ROOF EXHAUST FAN (EF-5)	8
9	ROOF MAINTENANCE RECEPTACLE		20 A	1		■		2	15 A		CONTROL BOX CB	10
11	HVAC UNIT CONTROLLER (HVAC-5-UC)		15 A	1			■					12
13	HVAC ENERGY RECOVERY WHEEL (HVAC-5ERW)		15 A	3	■			1	20 A		MECH. ROOM RECEPTACLE	14
15						■		1	15 A		ROOF EXHAUST FAN (EF-7)	16
17							■	2	15 A		CONTROL BOX CB	18
19	CONTROL BOX CB		15 A	2	■							20
21						■		2	15 A		CONTROL BOX CB	22
23	CONTROL BOX CB		15 A	2			■					24
25					■			2	15 A		CONTROL BOX CB	26
27						■						28
29							■	2	20 A	GFI	MECHANICAL PIPE HEAT TRACING	30
31	MECHANICAL PIPE HEAT TRACING	GFI	20 A	2	■							32
33						■						34
35							■					36
37					■							38
39						■						40
41							■					42
43					■							44
45						■						46
47							■					48
49					■							50
51						■						52
53							■					54
55					■							56
57						■						58
59							■					60
61					■							62
63						■						64
65							■					66
67	SPARE	--	15 A	1	■			1	20 A	--	SPARE	68
69	SPARE	--	15 A	1		■		1	20 A	--	SPARE	70
71	SPARE	--	15 A	1			■	1	20 A	--	SPARE	72

NOTES:

PROJECT NORTH

No.	REVISIONS	DATE
2	ISSUED FOR 75% REVIEW	2025.01.31
4	ISSUED FOR PERMIT/TENDER	2025.03.05

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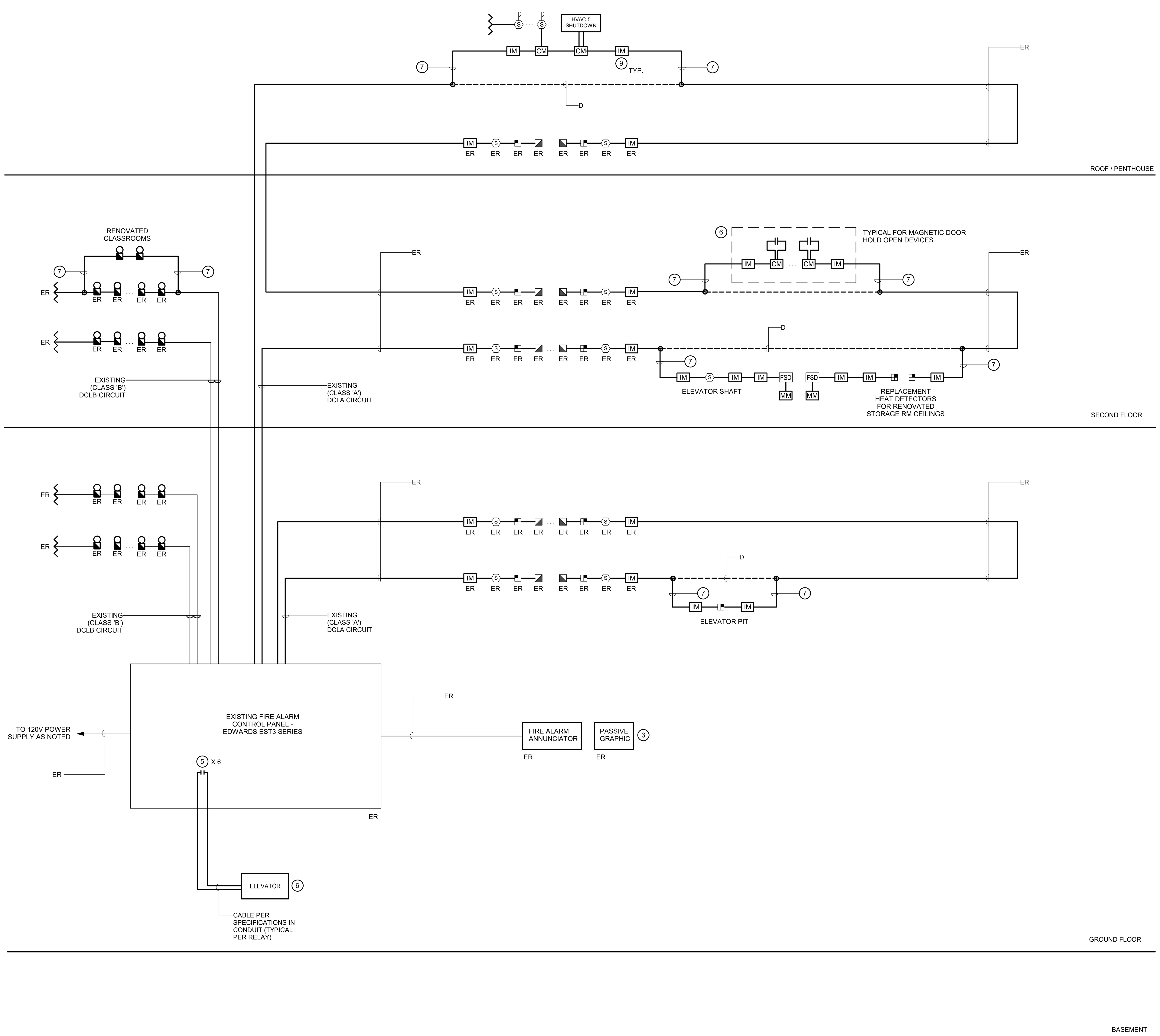
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME
GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS
55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE
PANEL SCHEDULES

SCALE
SHEET SIZE 24X36
PROJECT NUMBER 24162

DRAWING NUMBER
E402



EXISTING FIRE ALARM RISER NOTES

1	REFER TO FLOOR PLANS FOR EXACT LOCATION AND QUANTITY OF DEVICES.
2	RISER IS DIAGRAMMATIC ONLY. PROVIDE QUANTITY OF HARDWARE, MODULES, ACCESSORIES AND MODIFY EXISTING INITIATING & SIGNALING CIRCUITS AS REQUIRED TO SUIT NEW ADDITIONAL DEVICES ADDED FOR A COMPLETE WORKING SYSTEM.
3	CONTRACTOR TO UPDATE PASSIVE GRAPHICS WITH NEW ZONES AS SHOWN ON EXISTING ANNUNCIATOR SHCEDULE.
4	PROVIDE CONTROL ZONE RELAY MODULE FOR MAGNETIC DOOR HOLD OPEN DEVICES. REFER TO FLOOR PLANS FOR LOCATION AND ADDITIONAL REQUIREMENTS.
5	DRY CONTACTS WITHIN ELEVATOR CONTROLLER SHALL BE PROVIDED BY THE ELEVATOR SUPPLIER. COORDINATE AND CONNECT ACCORDINGLY.
6	WITHIN THE FIRE ALARM CONTROL PANEL, PROVIDE 6 NORMALLY OPEN DRY CONTACTS RATED FOR 1.0A AT 120VAC. PROVIDE WIRING AND CONNECTION FROM FIVE (5) OF THESE CONTACTS TO THE ELEVATOR CONTROLLER AS ONE CONTACT FOR EACH OF THE FOLLOWING (ONE SPARE CONTACT). THESE CONTACTS ARE TO CLOSE WHEN THE RESPECTIVE DEVICE(S) ARE INITIATED. A) GENERAL BUILDING B) RECALL LANDING C) TOP OF SHAFT D) BOTTOM OF SHAFT (PIT) E) MACHINE ROOM
7	PROVIDE POWER, CONDUIT, BACKBOX AND WIRING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MINIMUM CONDUIT SIZE 21mmC.
8	REFER TO FIRE ALARM SYSTEM ANNUNCIATOR ZONE SCHEDULE FOR ADDITIONAL REQUIREMENTS. PROVIDE ZONE MODULES, CONTACTORS, ENCLOSURES AND DVRS AS REQUIRED.
9	PROVIDE LINE ISOLATOR MODULES TO ISOLATE DCLA SEGMENTS ON A PER FIRE ALARM ZONE BASIS, ON A PER FLOOR BASES AND AS REQUIRED BY THE MANUFACTURER AND ONTARIO BUILDING CODE. PROVIDE ADDITIONAL LINE ISOLATORS AS REQUIRED OVER AND ABOVE THOSE SHOWN ON RISER DIAGRAM TO SATISFY ISOLATION REQUIREMENTS.
10	NDICATES 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM SPECIFICATIONS. COORDINATE EXACT LOCATION/CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR. SMOKE/FIRE DAMPER AND ASSOCIATED INTEGRAL SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE MONITORING MODULE(S) PER SMOKE/FIRE DAMPER TO 120V POWER SUPPLY CONNECTION TO THE DAMPER ACTUATOR AND INTEGRAL SMOKE DETECTOR ALARM AS SIGNAL. A TROUBLE CONDITION SHALL BE ACTIVATED DUE TO THE LOSS OF AC POWER AT THE MAIN CONTROL PANEL, CONSISTING OF AUDIBLE AND VISUAL TROUBLE SIGNAL UNTIL ACKNOWLEDGED BY OPERATOR. REFER TO DETAIL A/E501.

EXISTING FIRE ALARM ANNUNCIATOR SCHEDULE

ZONE	DESCRIPTION	ALARM	SUPERVISORY	NEW	EXISTING
1	CAFETERIA BOILER RM GIRLS GYM	•			•
2	MAIN OFFICE	•			•
3	BOYS GYM AREA	•			•
4	1ST FLOOR CORR D1 AND BASEMENT	•			•
5	TECHNOLOGY WING	•			•
6	ENGLISH WING B1	•			•
7	2ND FLOOR ACADEMIC B2/D2	•			•
8	2ND FLOOR A2	•			•
9	FOOD SERVICES	•			•
10	SPRINKLER FLOW FOOD SERVICES		•		•
11	SPRINKLER FLOW WOODWORKING		•		•
12	KITCHEN CO2 SYSTEM		•		•
13	SPARK ARRESTOR		•		•
14	SPARE				
15	SPARE				
16	SPARE				
17	SPARE				
18	ELEV CORR & ELEV MACH RM				•
19	ELEC SHAFT				•
20	SPARE				
21	SPARE				
22	SPARE				
23	SPARE				
24	PORTABLES	•			•
25	SPARE				
26	SPARE				
27	SPARE				
28	SPARE				
29	SPARE				
30	SPARE				
31	SPARE				
32	SPARE				
33	SPARE				
34	SPARE				
35	SPARE				
36	SPARE				
37	SPARE				
38	SPRINKLER FOOD SERVICES TAMPER		•		•
39	SPRINKLER WOOD SHOP TAMPER		•		•
40	SPARK ARRESTOR TROUBLE		•		•
41	SPRINKLER MAIN INCOMING TAMPER		•		•
42	HVAC-5 DUCT SMOKE DETECTOR	•		•	
43	SPARE	•		•	
44	DAMPER POWER LOSS		•		•
45	SPARE	•		•	
46	SPARE				
47	ELEVATOR PIT/SHAFT	•		•	
48	ELEVATOR MACHINE RM	•		•	
49	FIRE SMOKE DAMPERS - 2ND FLOOR	•		•	

FIRE ALARM PARTIAL SEQUENCE OF OPERATION – SINGLE STAGE:

FIRE ALARM PARTIAL SEQUENCE OF OPERATION – SINGLE STAGE:

THE EXISTING FIRE ALARM SYSTEM INCLUDES MODIFICATIONS WHICH CONSIST OF NOTIFICATION DEVICES, ALARM INITIATING DEVICES AND ANCILLARY CONNECTIONS AS INDICATED ON ELECTRICAL DESIGN DRAWINGS AND SPECIFICATIONS.

ALARM ACTIVATION

1 UPON ACTIVATION OF ANY ALARM INITIATING DEVICE (MANUAL STATION, HEAT DETECTOR, SMOKE DETECTOR, DUCT ETC.) SHALL CAUSE THE FOLLOWING FIRE ALARM SYSTEM ALARM ACTIONS:
- A ACTIVATE THE RESPECTIVE RED ALARM LED AT THE CONTROL PANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).
- B CAUSE ZONE OF ALARM INITIATING DEVICE TO BE INDICATED AT THE CONTROLPANEL(S) AND REMOTE ANNUNCIATOR PANEL(S).
- C CAUSE AUXILIARY CONTACTS TO ACTIVATE AND INITIATE ELEVATOR RECALL PER CSA-B44 (EXCLUDING ALARM INITIATED BY MANUAL PULL STATIONS).
- D CAUSE AUXILIARY CONTACTS TO ACTIVATE AIR-HANDLING UNIT SHUT DOWN
- E CAUSE AUXILIARY CONTACTS TO ACTIVATE AND ELECTRO-MAGNETICALLY HELD OPEN DOORS TO CLOSE AUTOMATICALLY.
- G ACTIVATE THE COMMON ALARM POINT TO SIGNAL THE LOCAL FIRE DEPARTMENT OR APPROVED CENTRAL MONITORING AGENCY OF THE ALARM CONDITION.
- H CAUSE THE ALARM AUDIBLE NOTIFICATION DEVICES TO SOUND A TEMPORAL 3 PATTERN THROUGHOUT THE BUILDING UNTIL SILENCED.
- I CAUSE THE VISUAL NOTIFICATION DEVICES TO ACTIVATE THROUGHOUT THE BUILDING UNTIL AUDIBLE ALARM IS SILENCED OR SYSTEM RESET.
- J LOG THE ALARM EVENT IN THE HISTORICAL EVENT LOG FILE.

TROUBLE ACTIVATION

1 OPERATION OF ANY SYSTEM OR DEVICE TROUBLE SIGNAL SHALL CAUSE THE FOLLOWING FIRE ALARM SYSTEM TROUBLE ACTIONS:
- A CAUSE AN AUDIBLE AND VISUAL TROUBLE SIGNAL AT THE CONTROL PANEL(S) AND REMOTE TROUBLE INDICATOR(S).
- B ACTIVATE THE COMMON TROUBLE POINT TO SIGNAL THE LOCAL FIRE DEPARTMENT OR APPROVED CENTRAL MONITORING AGENCY OF THE TROUBLE CONDITION.
- C LOG THE ALARM EVENT IN THE HISTORICAL EVENT LOG FILE.
- D DESCRIBE THE NATURE OF THE TROUBLE ON THE CONTROL PANEL(S) LCD DISPLAY AND REMOTE ANNUNCIATOR PANEL(S). THE FOLLOWING SYSTEM AND DEVICE TROUBLE CONDITIONS SHALL BE MONITORED:
  - I OPEN CIRCUIT FAULT IN THE FIELD WIRING OF AN ADDRESSABLE LOOP, ADDRESSABLE DETECTION, SIGNAL MODULE, OR A SHORT CIRCUIT ON AN ADDRESSABLE LOOP, CONVENTIONAL DETECTION OR SIGNAL CIRCUIT.
  - II DISCONNECTION OR FAILURE OF THE STANDBY BATTERIES.
  - III A GROUND FAULT CONDITION ON A LOOP OR SIGNAL CIRCUIT FIELD WIRE.
  - IV FAILURE OF THE MAIN 120VAC POWER SUPPLIED TO THE PANEL.
  - V REMOVAL OR MALFUNCTION OF ANY ADDRESSABLE FIELD DEVICE OR ANY SUPERVISED PANEL MODULE OR COMPONENT.
  - VI FIRE/SMOKE DAMPER MONITOR MODULE SIGNAL FOR LOSS OF AC POWER TO DAMPER ASSEMBLY

SYSTEM SILENCE

1 THE AUDIBLE NOTIFICATION DEVICES SHALL CONTINUE TO SOUND DURING ALARM CONDITIONS UNTIL MANUALLY OR AUTOMATICALLY SILENCED. AUTOMATIC SILENCING SHALL NOT BE POSSIBLE DURING THE FIRST 5 MIN OF ALARM OPERATION.

2 THE CONTROL PANELS AND REMOTE BUZZERS SHALL BE SILENCED BY OPERATION OF THE PANELS ACKNOWLEDGE SWITCH.

SYSTEM RESET

1 THE ALARM, SUPERVISORY AND TROUBLE CONDITIONS SHALL BE CLEARED ONLY UPON ACTIVATION OF THE FIRE ALARM CONTROL PANEL RESET SWITCH, AFTER THE DEVICE THAT INITIATED THE ALARM HAS BEEN CLEARED OR RESTORED.

PROJECT NORTH

No.	REVISIONS	DATE
4	ISSUED FOR PERMIT/TENDER	2025.03.05

LICENSED PROFESSIONAL ENGINEER
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aba architects inc.

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WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT NAME

GLENVIEW PARK SECONDARY SCHOOL HVAC IMPROVEMENTS

55 McKay St., Cambridge, ON, N1R 4G8

DRAWING TITLE

PARTIAL FIRE ALARM RISER DIAGRAM AND ANNUNICIATOR SCHEDULE

SCALE 1 : 100

SHEET SIZE 24X36

PROJECT NUMBER 24162

DRAWING NUMBER E501

2025-03-05 12:46:20 PM C:_Revit\24162 WRDSB Glenview Park SS Elec Central (RVT23)_jbinghamTL4L.rvt