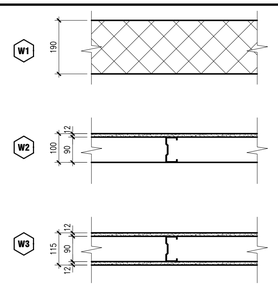
GENERAL NOTES

1. ALL DIMENSIONS ARE TO THE FINISHED SURFACES UNLESS NOTED OTHERWISE.
2. DO NOT SCALE DRAWINGS – USE DIMENSIONS.
3. ALL CONSTRUCTION IS NEW UNLESS OTHERWISE NOTED.
4. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. REPORT ANY ERRORS OR OMISSIONS TO THE ARCHITECT IN WRITING PRIOR TO COMMENCING WORK. PRINTS ARE NOT TO BE SCALED.
5. ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH CURRENT BUILDING CODE AND WITH ALL OTHER CODES, ORDINANCES AND REQUIREMENTS HAVING JURISDICTION.
6. ALL WORK RELATING TO THIS CONSTRUCTION SHALL COMPLY WITH THE PROVINCIAL MINISTRY OF LABOUR, THE OCCUPATIONAL HEALTH AND SAFETY STANDARDS AND ALL RELATED LOCAL BUILDING CODES AND ORDINANCES.
7. DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR A COMPLETE SCOPE OF WORK.
8. INFORMATION SHOWN HEREIN ARE BASED ON PREVIOUS RECORDS & DRAWINGS. THE ACCURACY OF THIS DATA HAS BEEN MODERATELY VERIFIED WITH FRAGMENTARY DIMENSIONS WHERE POSSIBLE.
9. PATTERNS OF HATCHING ARE GRAPHIC REPRESENTATIONS ONLY. THEY DO NOT REPRESENT TILE PLACEMENT OR COURSING.
10. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO REMOVE, STORE & RELOCATE / REINSTALL ALL FIXED IN PLACE MILLWORK, EQUIPMENT ETC. IN AREAS OF WORK. THE GENERAL CONTRACTOR WILL PATCH, REPAIR OR REPLACE ANY DAMAGED ITEMS, UNDER HIS RESPONSIBILITY AS A CONSEQUENCE OF IMPROPER STORAGE OR HANDLING, AT HIS OWN EXPENSE. THE GENERAL CONTRACTOR SHALL CO-ORDINATE WITH THE SCHOOL BOARD WHEN THE ITEMS, UNDER HIS RESPONSIBILITY, SHALL BE REINSTALLED AT WHICH TIME AN INSPECTION FOR DAMAGE SHALL BE CONDUCTED BY THE SCHOOL BOARD.
11. CRACKING IN CONCRETE SLAB NOT RELATED TO TRANSITIONS OR SAWCUTTING ARE TO BE CLEANED OUT, INFILLED & LEVELED SMOOTH. GRIND SMOOTH, INFILL AND PATCH LOCATIONS OF SAWCUTS OR TRANSITION JOINTS & COLUMNS ISOLATION JOINTS TO MAKE TRANSITION IMPERCEPTIBLE IN PREPARATION OF INSTALLATION OF ALL NEW FLOORING. GENERAL CONTRACTOR TO SITE CONFIRM LOCATIONS.
12. LEVEL SLAB AREAS AFTER ANY REMOVALS WHICH MAY HAVE DIFFERENT ELEVATIONS.
13. WHERE FLOORING IS BEING REMOVED, GRIND SMOOTH EXISTING CONCRETE FLOOR SLAB TO REMOVE ANY REMNANT ADHESIVE, MORTAR ETC. & MAKE READY TO RECEIVE NEW FLOOR FINISHES.
14. ADJUST AS REQUIRED ALL DRAINS AND CLEAN-OUTS TO SUIT NEW FLOORING ELEVATION; NEATLY CUT FLOORING AROUND CLEAN-OUTS.
15. "MAKE GOOD" SHALL BE DEFINED AS: WHEN THE WORK IS COMPLETED ALL FINISHES, MATERIALS & SURFACES ARE TO RESEMBLE A NEW INSTALLATION, THIS WILL INCLUDE INFILLING, PATCHING & SANDING. THIS WILL BE APPLIED TO ALL AREAS WHERE DEMOLITION OR REMOVAL OCCURS & TO ANY SURFACES DAMAGED THROUGH THE COURSE OF CONSTRUCTION . PATCHING IS THE REPAIRING OF ALL MATERIALS, SURFACES & FINISHES WHICH SHALL MATCH THE ADJACENT FINISHES & COLOURS UNLESS OTHERWISE NOTED. WHERE RE-PAINTING IS REQUIRED, THE ENTIRE SURFACE PLAIN SHALL ALSO BE PAINTED.
16. ALL MECHANICAL & ELECTRICAL SERVICES RELATED TO EQUIPMENT, MILLWORK, REMOVALS, RELOCATIONS & DEMOLITIONS SHALL BE DISCONNECTED & CAPPED BENEATH THE FINISHED FLOOR LEVEL. MAKE GOOD ALL SLAB OPENINGS AS REQUIRED & MAKE READY TO ACCEPT NEW FINISHES. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR A COMPLETE SCOPE OF WORK.

DEMOLITION NOTES

1. SELECTIVE DEMOLITION OF WALLS AND CEILINGS AS REQUIRED TO ACCOMMODATE INSTALLATION OF STRUCTURAL, MECHANICAL AND ELECTRICAL ROUGH-INS AND EQUIPMENT.

WALL SCHEDULE

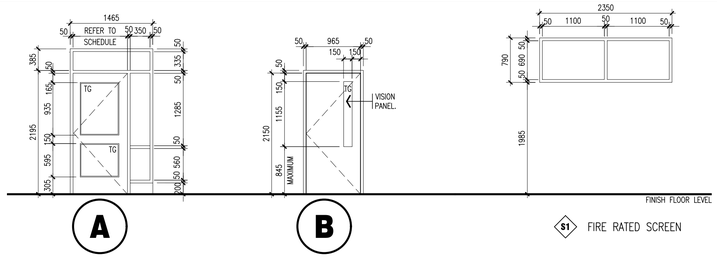


MASONRY PARTITION:
190mm CONCRETE MASONRY STANDARD BLOCK UNIT, PAINTED

INTERIOR PARTITION:
12mm GYPSUM BOARD, PAINTED
90 METAL STUDS @ 400mm O.C

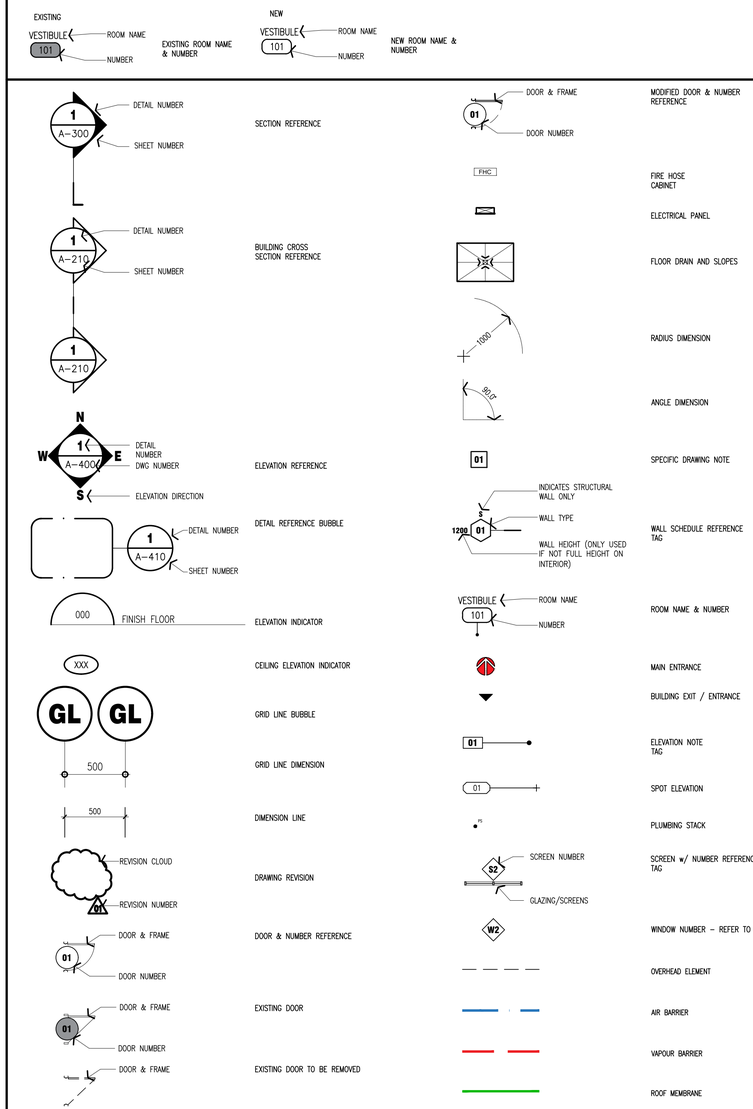
INTERIOR PARTITION:
12mm GYPSUM BOARD, PAINTED
90 METAL STUDS @ 400mm O.C
12mm GYPSUM BOARD, PAINTED

DOOR & SCREEN ELEVATIONS



TYPICAL GRAPHIC SYMBOLS

GREY TONE REPRESENTS EXISTING



PROJECT TEAM

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD
KITCHENER

CONTACT: ROBERT PERKO
51 ARDELT AVE
KITCHENER, ON N2C 2R5
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MECHANICAL & ELECTRICAL

DEI CONSULTING ENGINEERS

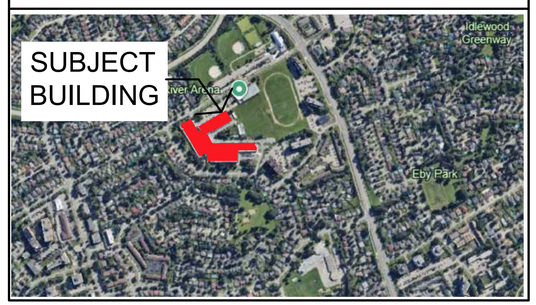
CONTACT: STEVE OATLEY
DUSTIN MCCONKEY
55 NORTHLAND ROAD,
WATERLOO, ON N2V 1Y8
PHONE: 519-725-3555

ABBREVIATIONS

A/C TILE. –	ACOUSTIC TILE	GALV. –	GALVANIZED	PTD. –	PAINTED
ADJ. –	ADJUSTABLE	G.C. –	GENERAL CONTRACTOR	PART. –	PARTIAL
A.H.J. –	AUTHORITY HAVING JURISDICTION	GLAZ. –	GLAZING	P. LAM. –	PLASTIC LAMINATE
B.F. –	BARRIER FREE	GWB. –	GYPSUM WALL BOARD	PLYWD. –	PLYWOOD
BLK. –	BLOCK	GA. –	GAGE	PREFIN. –	PRE-FINISHED
BD. –	BOARD	H.M. –	HOLLOW METAL	RD. –	ROOF DRAIN
BLDG. –	BUILDING	HD/SLR –	HARDENER & SEALER	REQ'D. –	REQUIRED
CLG. –	CEILING	HORIZ. –	HORIZONTAL, HORIZONTALLY	REINF. –	REINFORCED
CT. –	CERAMIC TILE	HT. –	HEIGHT	SIM. –	SIMILAR
c/w –	COMPLETE WITH	INCL. –	INCLUDING	SS. –	STAINLESS STEEL
COORD. –	COORDINATE	JT. –	JOINT	STL. –	STEEL
DEMO. –	DEMOLISH, DEMOLITION	MAX. –	MAXIMUM	STRUCT'L –	STRUCTURAL
DN. –	DOWN	MECH. –	MECHANICAL	SUSP. –	SUSPENDED
DWG. –	DRAWING	MIN. –	MINIMUM	T.O.S. –	TOP OF SLAB
EA. –	EACH	MTD. –	MOUNTED	TYP. –	TYPICAL
ELECT. –	ELECTRICAL	MTG. –	MOUNTING	u/s –	UNDERSIDE
EQ. –	EQUIVALENT, OR EQUAL	MTL. –	METAL	U.N.O –	UNLESS NOTED OTHERWISE
EQPMNT. –	EQUIPMENT	MEZZ. –	MEZZANINE	V.B. –	VAPOUR BARRIER
EXIST. –	EXISTING	N/A –	NOT APPLICABLE	V.C.T. –	VINYL COMPOSITION TILE
E.J. –	EXPANSION JOINT	N.I.C. –	NOT IN CONTRACT	VERT. –	VERTICAL, VERTICALLY
F.D. –	FLOOR DRAIN	N.R. –	NOT REQUIRED	W.W.F. –	WELDED WIRE FABRIC
FFE. –	FINISHED FLOOR ELEVATION	O.C. –	ON CENTRE	#/ –	WITH
FIN. –	FINISHED	O.D. –	OUTSIDE DIAMETER	WD. –	WOOD
FLR. –	FLOOR				

KEY PLAN

NTS



DOOR & HARDWARE SCHEDULE

DOOR No.	ROOM No. (FROM/TO)	ROOM NAME (FROM/TO)	QUANTITY	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIALS: ALUMINUM	SOLID CORE WOOD	HOLLOW METAL	INSULATED HOLLOW METAL	OTHER	FINISH: ANODIZED	POWDER COATED	PAINTED	STAINED	OTHER	GLAZING & GRILLES: CLEAR TEMPERED	CLEAR TEMPERED THERMAL	PLEXI-GLASS/ACRYLIC	ALUMINUM GRILLE
100	100 / EXTERIOR	CORRIDOR 5 / EXTERIOR	SINGLE	965mm	2195mm	45mm	A	●					●					●			
101	125 / 100	CORRIDOR 4 / CORRIDOR 5	SINGLE	965mm	2150mm	45mm	B			●					●			●			
102	125 / 101	CORRIDOR 4 / SENSORY ROOM	SINGLE	965mm	2150mm	45mm	B			●					●			●			
103	EXTERIOR / EXTERIOR	EXTERIOR / EXTERIOR	SINGLE	965mm	1550mm	63mm	GATE				●										
ex01	125 / 124	CORRIDOR 4 / CORRIDOR 3	EXSTING	EXSTING	EXSTING	EXSTING	EXSTING														
ex02	125 / 124	CORRIDOR 4 / CORRIDOR 3	EXSTING	EXSTING	EXSTING	EXSTING	EXSTING														
ex03	203 / 201	CORRIDOR / FAMILY STUDIES 1-221	EXSTING	EXSTING	EXSTING	EXSTING	EXSTING														
ex04	203 / 201	CORRIDOR / FAMILY STUDIES 1-221	EXSTING	EXSTING	EXSTING	EXSTING	EXSTING														
ex05	203 / 200	CORRIDOR / FAMILY STUDIES 1-220	EXSTING	EXSTING	EXSTING	EXSTING	EXSTING														

DOOR No.	FRAME TYPE	MATERIALS: ALUMINUM	INSULATED HOLLOW METAL	HOLLOW METAL	WOOD	FINISH: ANODIZED	POWDER COATED	PAINTED	STAINED	OTHER	FIRE RATING DOOR & FRAME: 20 MINUTE RATING	45 MINUTE RATING	1.5 HOUR RATING	3 HOUR RATING
100	A	●												
101	B			●										
102	B			●										
103														
ex01	EXSTING													
ex02	EXSTING													
ex03	EXSTING													
ex04	EXSTING													
ex05	EXSTING													

DOOR No.	HARDWARE: BUTT HINGES x 3 (N.R.P.)	BUTT HINGES x 3	BUTT HINGES x 4 (EXTERIOR DOOR)	BUTT HINGES X 4 (INTERIOR DOOR)	WEATHER-STRIPPING	DOOR SWEEP	FULLY WELDED ASTRAGAL	THRESHOLD	KEYPAD LOCKSET	F.O.B. ACCESS READER	WIRELESS F.O.B. LEVER SET	ELECTRIC STRIKE	MAG LOCKS	DOOR CLOSER	DOOR CLOSER (DUSH-STOP)	PANIC HARDWARE	PULL HANDLES	PUSH PLATE	PRIVACY LEVER SET	LOCKING LEVER SET	PASSAGE LEVER SET	KICK PLATE	FLOOR STOP	PEEP HOLE VIEWER	POWER DOOR OPERATOR	WASHROOM OCCUPIED KIT	WASHROOM ASSISTANCE KIT	POCKET DOOR TRACK KIT	POCKET DOOR FLUSH PULL	POCKET DOOR LOCK & PULL	POCKET DOOR THUMB TURN	LOCK CYLINDER	MANUFACTURERS HARDWARE	CANE BOLTS
100		●			●	●		●						●		●				●													●	
101		●												●		●					●													
102		●						●												●													●	
103																●																		
ex01										●																								
ex02										●																								
ex03																																		
ex04																																		
ex05																																		

COMMENTS

1. SITE VERIFY ALL DIMENSIONS PRIOR TO MANUFACTURE.
2. VERIFY WITH FRAME SUPPLIER FOR ADDITIONAL SPACE REQUIRED FOR SHIMS & HARDWARE FOR INSTALLATIONS.
3. INTERIOR DOORS AND SIDELIGHT GLAZING TO BE 6mm TEMPERED CLEAR VISION GLASS.
4. FIRE RATED GLAZING TO BE 5mm (MIN) THICK FIRELITE NT SAFETY IMPACT GRADE GLASS, CONFORMING TO CAN/CGSB – 12.11-M90, ASTM E2010, CAN 4 S-104 AND CAN 4 S-106 AND THICKNESS REQUIRED BY MANUFACTURER FOR FIRE RATING REQUIRED IN THE ASSEMBLY IN WHICH THE GLAZING IS INSTALLED.
5. NO GEORGIAN WIRE GLAZING SHALL BE USED FOR ANY INTERIOR /EXTERIOR GLAZING APPLICATIONS.
6. PROVIDE ENERFOAM SPRAY INSULATION TO FILL ALL WINDOW AND DOOR FRAMES.
7. GENERAL CONTRACTOR IS TO PROVIDE A HARDWARE SCHEDULE & CUT-SHEETS OF ALL HARDWARE TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION ON SITE.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH
TRUE NORTH
scale AS NOTED

drawn	MV
last worked on	2026.03.18 by MV
checked	B.R.J.
print date	2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

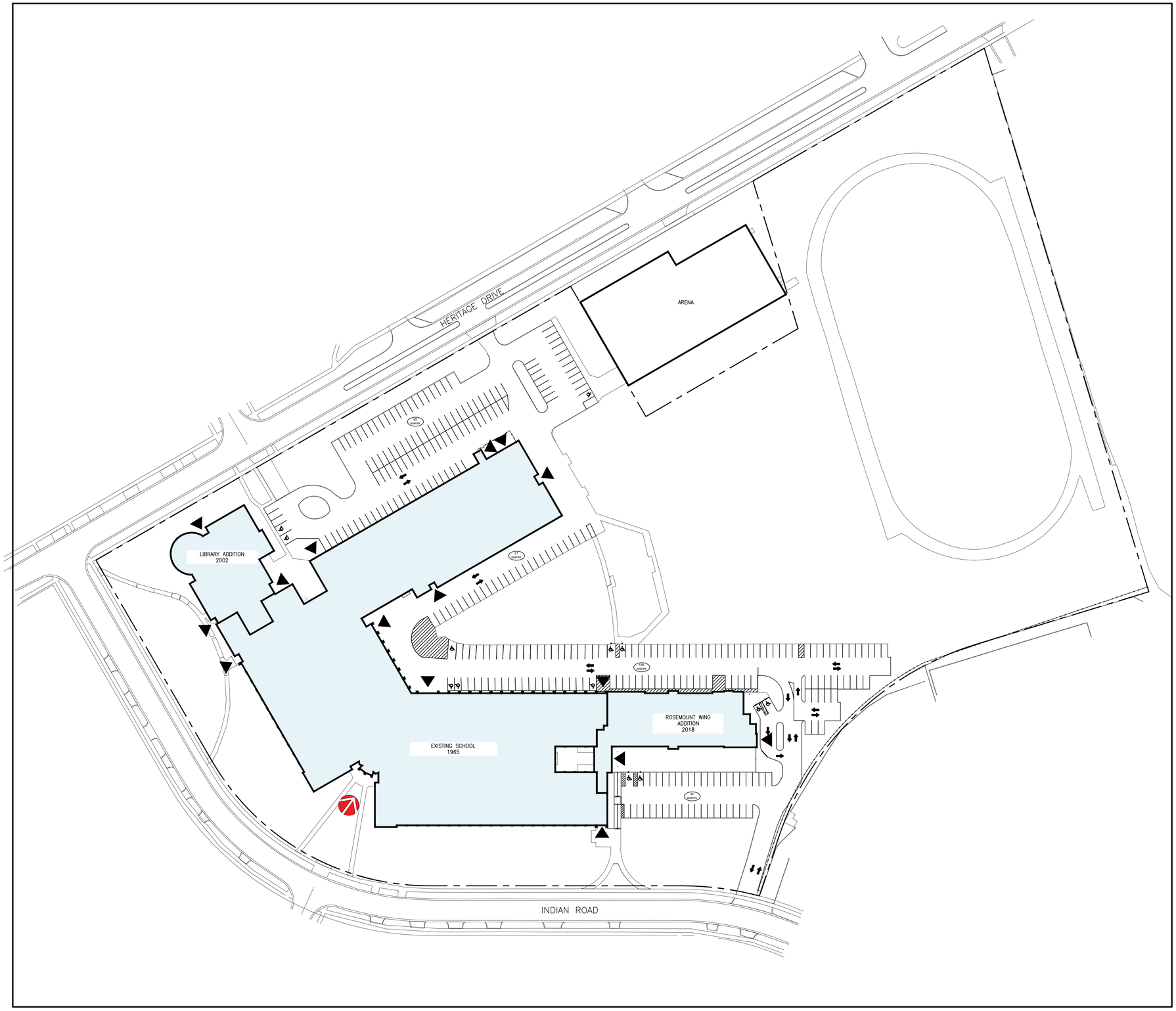
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
GENERAL NOTES & INDEX

reference

project no. 25-092
client reference number

sheet no. A-001 01

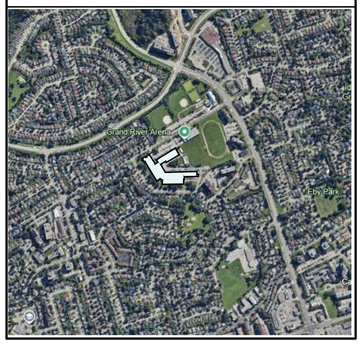


1 SITE PLAN

scale: 1 : 750

KEY MAP

NTS



LEGEND

SUBJECT BUILDING

BUILDING MAIN ENTRANCE

SECONDARY ENTRANCE/EXIT.

SITE LEGAL DESCRIPTION

THE LEGAL DESCRIPTION & PROPERTY INFORMATION USED FOR THIS DRAWING HAS BEEN TRANSFERRED FROM THE SITE PLAN PROVIDED BY WATERLOO REGION DISTRICT SCHOOL BOARD FEB 2025.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH

TRUE NORTH

scale AS NOTED

drawn MV

last worked on 2026.03.30 by MV

checked B.R.J.

print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

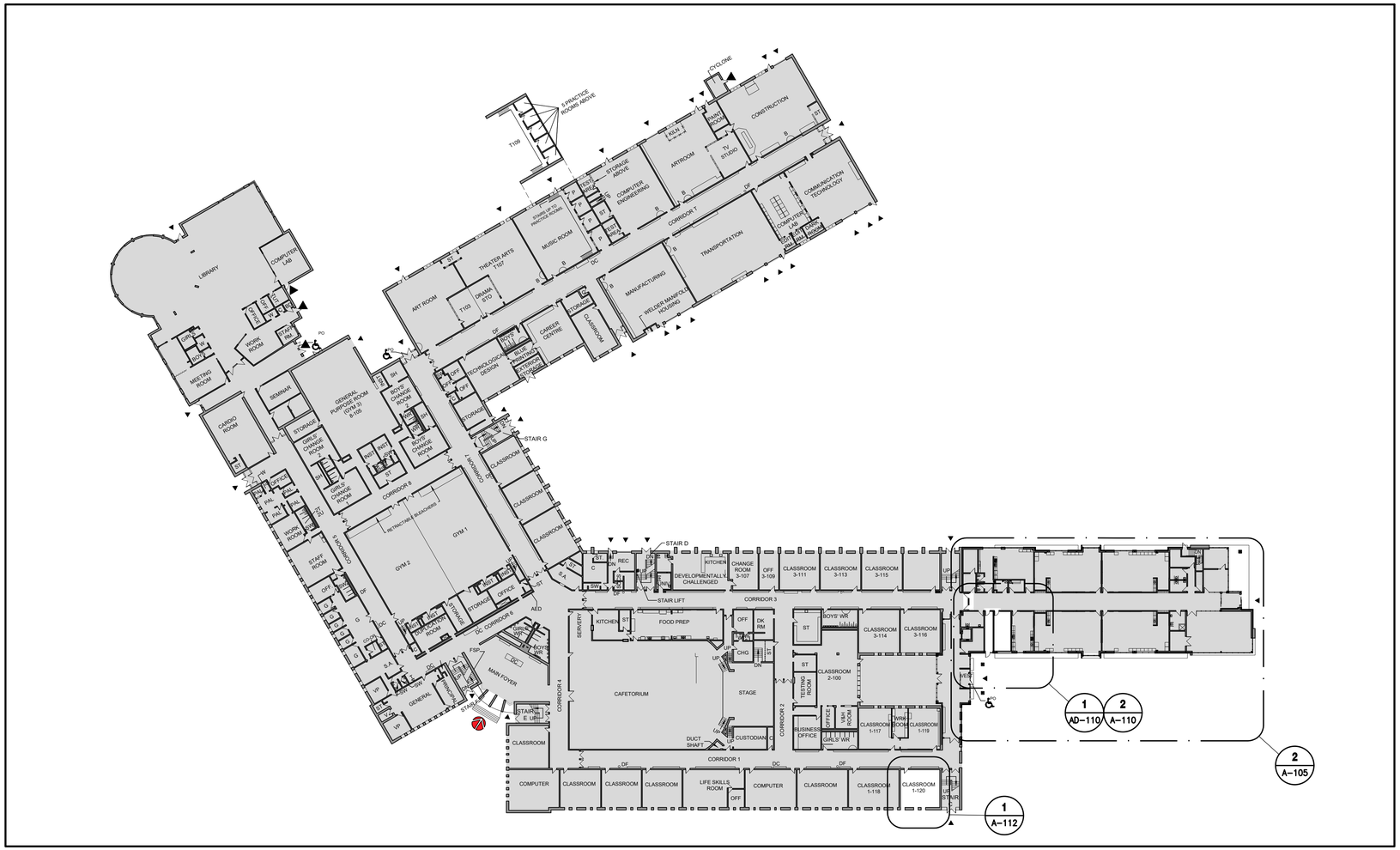
drawing title
SITE PLAN

reference

project no. 25-092

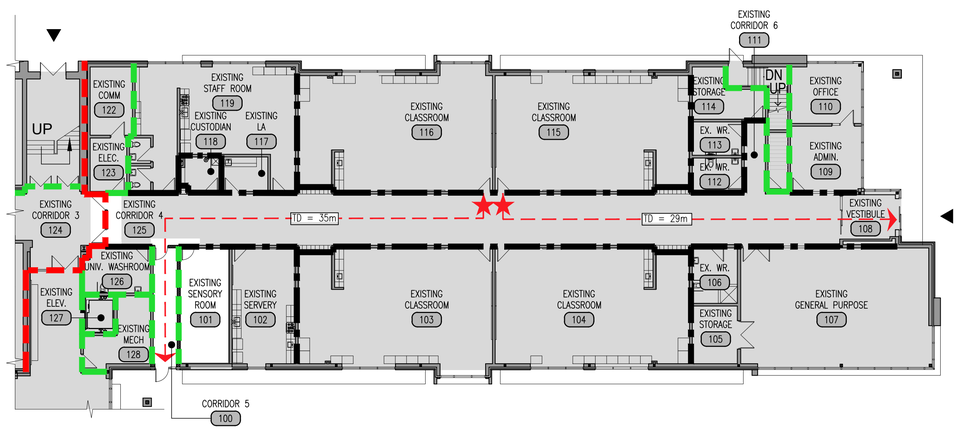
client reference number

sheet no. A-100 01



1 OVERALL FIRST FLOOR PLAN

scale: 1 : 500



2 PARTIAL FIRST FLOOR TRAVEL DISTANCE PLAN

scale: 1 : 200

ONTARIO BUILDING CODE SUMMARY

NAME OF PRACTICE: BJC architects + associates inc.
NAME OF PROJECT: GRAND RIVER COLLEGIATE INSTITUTE – KITCHENER, RENOVATIONS
LOCATION: 175 INDIAN RD, KITCHENER, ONTARIO

ITEM		2024 ONTARIO BUILDING CODE	O.B.C. REFERENCE
1.0	PROJECT DESCRIPTION:	☐ NEW ☐ PART 3 ☐ ADDITION ☐ PART 9 ☒ ALTERATION ☒ PART 11 ☐ CHANGE OF USE	11.3.3.1. 11.3.3.2.
		PART 11 - A2 OCCUPANCY	
11.2	EXISTING BUILDING CLASSIFICATION:	DESCRIBE EXISTING USE: A2 SCHOOL CONSTRUCTION INDEX: N/A – NO CHANGE IN MAJOR HAZARD INDEX: N/A – NO CHANGE IN MAJOR	11.2.1. 11.2.1.1.
11.3	ALTERATIONS TO EXISTING BUILDING IS:	BASIC RENOVATION ☒ EXTENSIVE RENOVATION ☐	11.3.3.1. 11.3.3.2.
11.4	REDUCTION IN PERFORMANCE LEVEL:	STRUCTURAL: ☒ NO ☐ YES INCREASE IN OCCUPANT LOAD: ☒ NO ☐ YES CHANGE OF MAJOR OCCUPANCY: ☒ NO ☐ YES PLUMBING: ☒ NO ☐ YES SEWAGE SYSTEMS: ☒ NO ☐ YES NOTE: NO INCREASE IN OCCUPANT LOAD, THUS NO INCREASE IN DAILY SANITARY SEWAGE FLOW.	11.4.2. 11.4.2.1. 11.4.2.2. 11.4.2.3. 11.4.2.4. 11.4.2.5.
11.5	COMPENSATING CONSTRUCTION:	STRUCTURAL: ☒ NO ☐ YES INCREASE IN OCCUPANT LOAD: ☒ NO ☐ YES CHANGE OF MAJOR OCCUPANCY: ☒ NO ☐ YES PLUMBING: ☒ NO ☐ YES SEWAGE SYSTEM: ☒ NO ☐ YES	11.4.3. 11.4.3.2. 11.4.3.3. 11.4.3.4. 11.4.3.5. 11.4.3.6.
11.6	COMPLIANCE ALTERNATIVES PROPOSED:	NO ☒ YES ☐	11.5.1.

NOTE 1:

THESE DRAWINGS ARE PREPARED WITH THE USE OF LINE TYPES, HATCH PATTERNS, COLOURS, AND NUMERICALLY DESIGNATED NOTES. COLLECTIVELY THESE REPRESENT THE FULL SCOPE OF WORK, WITH THE INTENT TO PROVIDE CLARITY. NOT ALL ITEMS MAY BE INDIVIDUALLY NOTED. IF ANYTHING IS AMBIGUOUS THE GENERAL CONTRACTOR IS TO ASK FOR CLARIFICATION AT THE TIME OF TENDER. FAILURE TO DO SO WILL LEAVE THE INTERPRETATION OF THE DRAWINGS TO THE ARCHITECT. THIS NOTE APPLIES TO ALL DRAWINGS.

NOTE 2:

THIS DRAWING CONTAINS THE USE OF COLOUR TO BETTER ILLUSTRATE AND DESCRIBE THE INTENT OF THE DRAWING BY HIGHLIGHTING LINE TYPES, HATCH PATTERNS, TEXT, DIMENSIONS, OR TONES. IT IS MANDATORY THAT THIS DRAWING BE PRINTED IN COLOUR FOR ITS USE. FAILURE TO DO SO WILL NOT RESULT IN ANY COMPENSATION FOR COSTS OR TIME LOST BY THE GC OR HIS/HER SUBTRADE DUE TO OMISSIONS, ERRORS, OR MISUNDERSTANDING OF THE FULL SCOPE OF THE WORK.

FIRE SAFETY LEGEND

FURTHEST POINT OF TRAVEL — TD =45.00m — TRAVEL DISTANCE (45m MAX) — END OF TRAVEL

2 HR — DENOTES 2 HOUR FIRE SEPARATION

1 HR — DENOTES 1 HOUR FIRE SEPARATION

DENOTES FIRE SEPARATION (NO RATING)

LEGEND

APPROXIMATE AREA NOT IN CONTRACT SCOPE.

EXISTING WALL.

NEW INTERIOR WALL.

NEW DOOR.

EXISTING DOOR.

MAIN ENTRANCE.

SECONDARY ENTRANCE/EXIT.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH — TRUE NORTH — scale AS NOTED

drawn	VA
last worked on	2026.03.25
by	MV
checked	B.R.J.
print date	2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

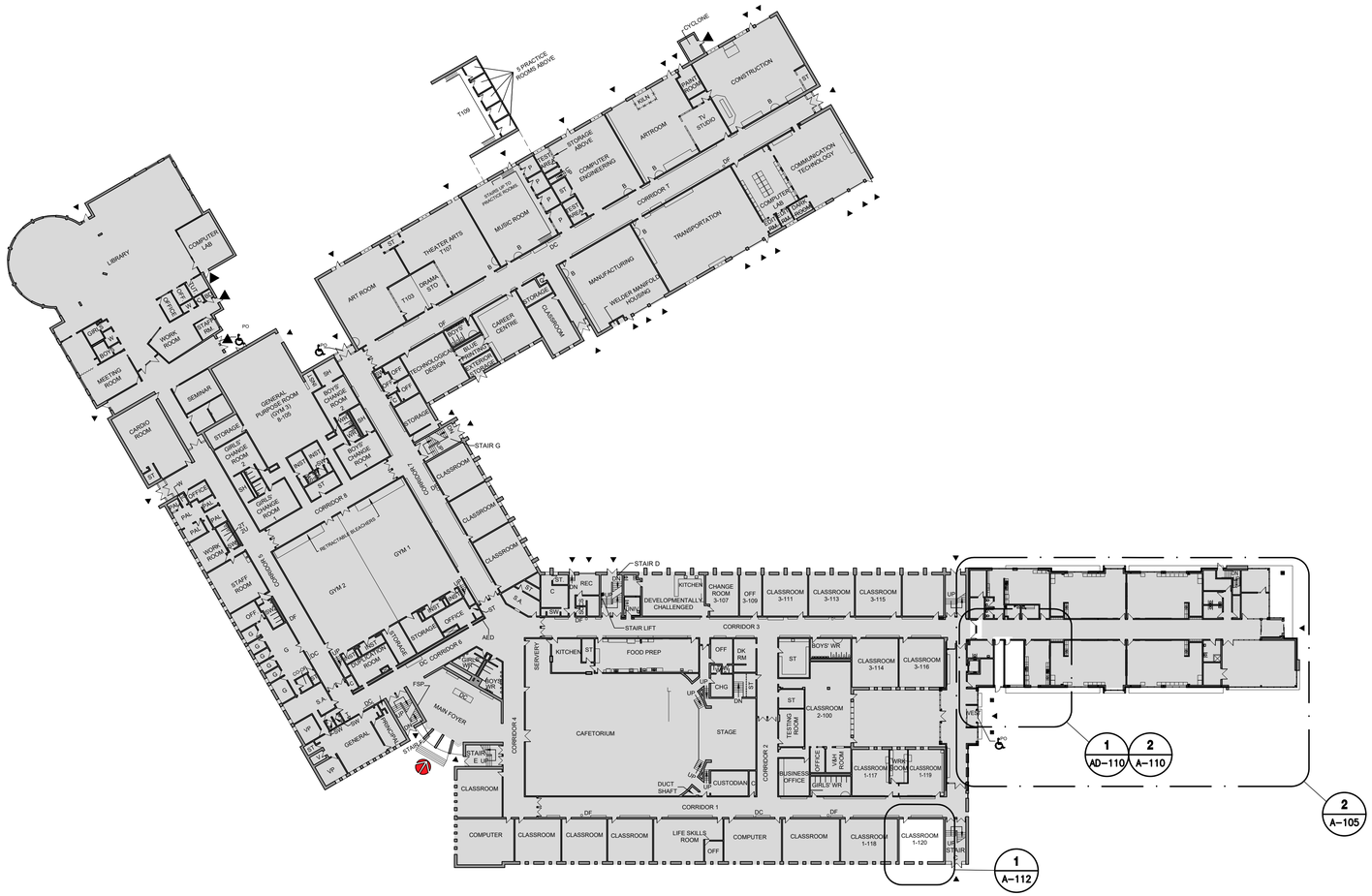
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
OVERALL FIRST FOOR & TRAVEL DISTANCE PLANS

reference

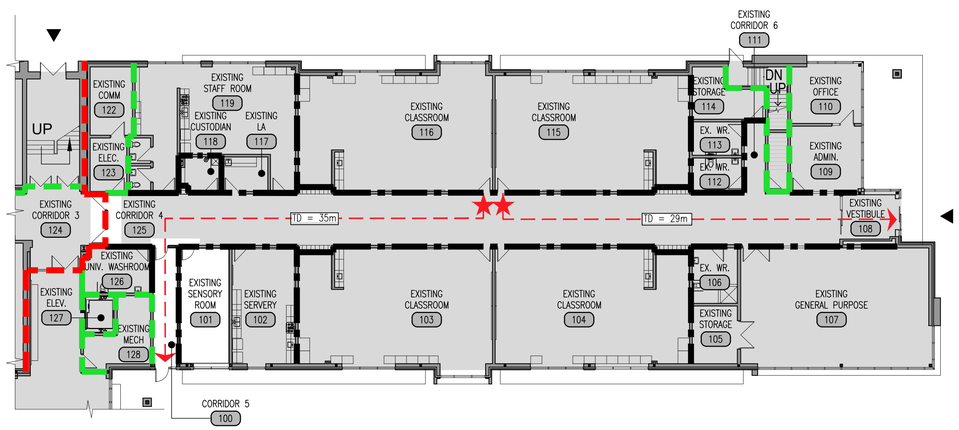
project no. 25-092
client reference number

sheet no. A-105 01



1 OVERALL FIRST FLOOR PLAN

scale: 1 : 500



2 PARTIAL FIRST FLOOR TRAVEL DISTANCE PLAN

scale: 1 : 200

ONTARIO BUILDING CODE SUMMARY

NAME OF PRACTICE: BJC architects + associates inc.
NAME OF PROJECT: GRAND RIVER COLLEGIATE INSTITUTE – KITCHENER, RENOVATIONS
LOCATION: 175 INDIAN RD, KITCHENER, ONTARIO

ITEM		2024 ONTARIO BUILDING CODE	O.B.C. REFERENCE
1.0	PROJECT DESCRIPTION:	☐ NEW ☐ PART 3 ☐ ADDITION ☐ PART 9 ☒ ALTERATION ☒ PART 11 ☐ CHANGE OF USE	11.3.3.1. 11.3.3.2.
		PART 11 - A2 OCCUPANCY	
11.2	EXISTING BUILDING CLASSIFICATION:	DESCRIBE EXISTING USE: A2 SCHOOL CONSTRUCTION INDEX: N/A – NO CHANGE IN MAJOR HAZARD INDEX: N/A – NO CHANGE IN MAJOR	11.2.1. 11.2.1.1.
11.3	ALTERATIONS TO EXISTING BUILDING IS:	BASIC RENOVATION ☒ EXTENSIVE RENOVATION ☐	11.3.3.1. 11.3.3.2.
11.4	REDUCTION IN PERFORMANCE LEVEL:	STRUCTURAL: ☒ NO ☐ YES INCREASE IN OCCUPANT LOAD: ☒ NO ☐ YES CHANGE OF MAJOR OCCUPANCY: ☒ NO ☐ YES PLUMBING: ☒ NO ☐ YES SEWAGE SYSTEMS: ☒ NO ☐ YES NOTE: NO INCREASE IN OCCUPANT LOAD, THUS NO INCREASE IN DAILY SANITARY SEWAGE FLOW.	11.4.2. 11.4.2.1. 11.4.2.2. 11.4.2.3. 11.4.2.4. 11.4.2.5.
11.5	COMPENSATING CONSTRUCTION:	STRUCTURAL: ☒ NO ☐ YES INCREASE IN OCCUPANT LOAD: ☒ NO ☐ YES CHANGE OF MAJOR OCCUPANCY: ☒ NO ☐ YES PLUMBING: ☒ NO ☐ YES SEWAGE SYSTEM: ☒ NO ☐ YES	11.4.3. 11.4.3.2. 11.4.3.3. 11.4.3.4. 11.4.3.5. 11.4.3.6.
11.6	COMPLIANCE ALTERNATIVES PROPOSED:	NO ☒ YES ☐	11.5.1.

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FIRE SAFETY LEGEND

FURTHEST POINT OF TRAVEL — TD =45.00m (TRAVEL DISTANCE (45m MAX)) — END OF TRAVEL

2 HR — DENOTES 2 HOUR FIRE SEPARATION

1 HR — DENOTES 1 HOUR FIRE SEPARATION

DENOTES FIRE SEPARATION (NO RATING)

LEGEND

APPROXIMATE AREA NOT IN CONTRACT SCOPE.

EXISTING WALL.

NEW INTERIOR WALL.

NEW DOOR.

EXISTING DOOR.

MAIN ENTRANCE.

SECONDARY ENTRANCE/EXIT.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.02

PROJECT NORTH — TRUE NORTH — scale AS NOTED

drawn	VA
last worked on	2026.03.25
by	MV
checked	B.R.J.
print date	2026.04.02

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

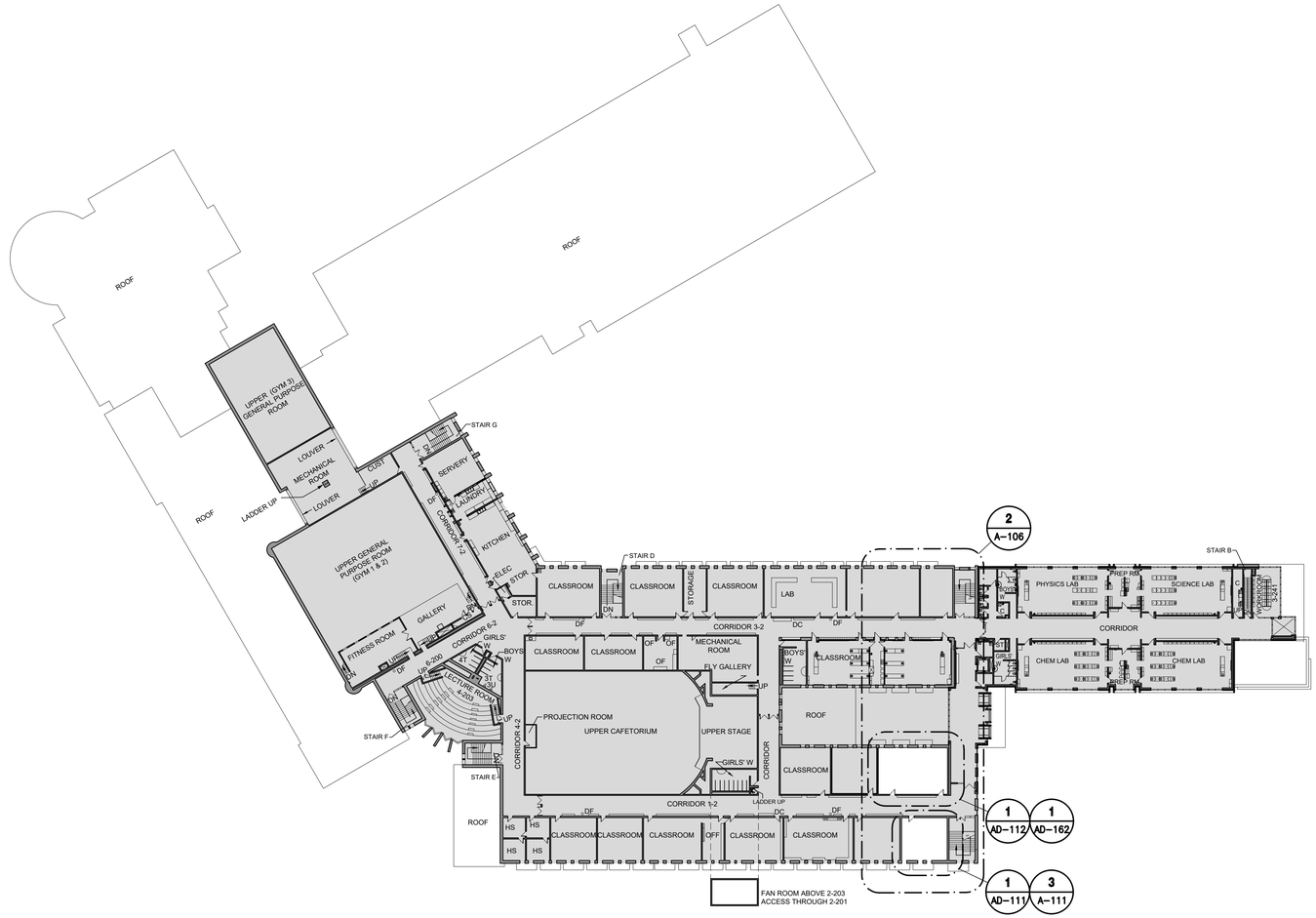
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
OVERALL FIRST FOOR & TRAVEL DISTANCE PLANS

reference

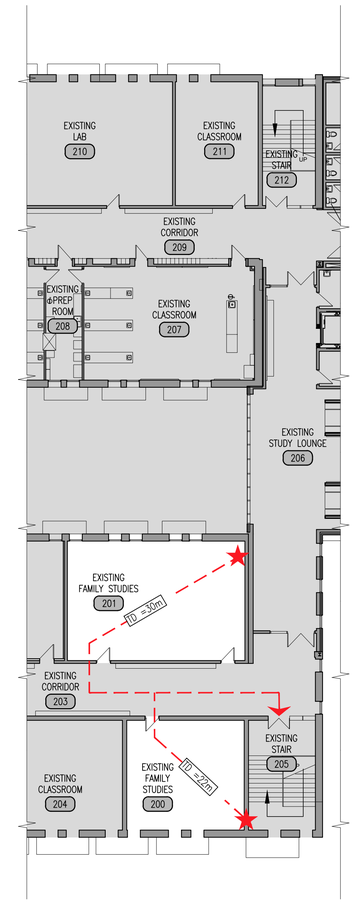
project no. 25-092
client reference number

sheet no. A-105 00



1 OVERALL SECOND FLOOR PLAN

scale: 1 : 500



2 PARTIAL SECOND FLOOR TRAVEL DISTANCE PLAN

scale: 1 : 200

FIRE SAFETY LEGEND

FURTHEST POINT OF TRAVEL.

TD =45.00m

TRAVEL DISTANCE (45m MAX)

END OF TRAVEL.

LEGEND

APPROXIMATE AREA NOT IN CONTRACT SCOPE.

EXISTING WALL.

NEW INTERIOR WALL.

NEW DOOR.

EXISTING DOOR.

MAIN ENTRANCE.

SECONDARY ENTRANCE/EXIT.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH

TRUE NORTH

scale AS NOTED

drawn MV

last worked on 2026.03.25 by MV

checked B.R.J.

print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
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KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

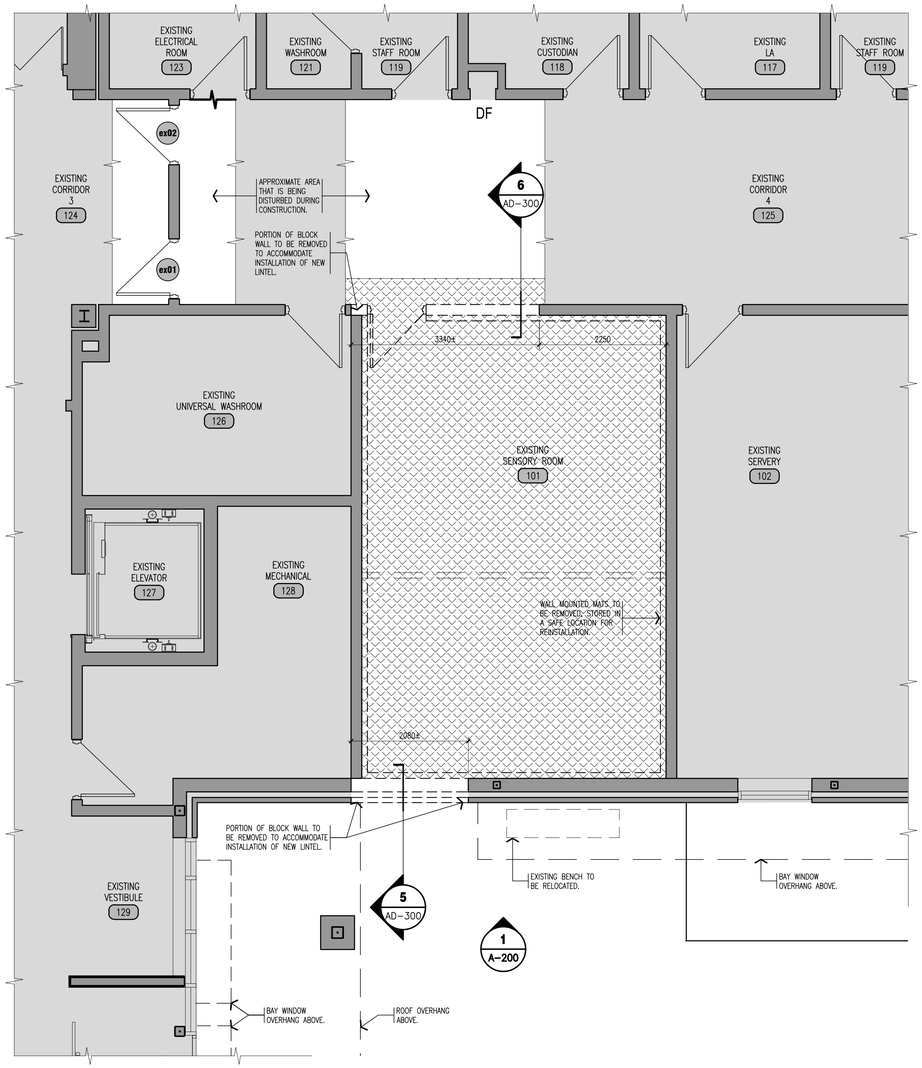
drawing title
OVERALL SECOND FLOOR & TRAVEL DISTANCE PLANS

reference

project no. 25-092

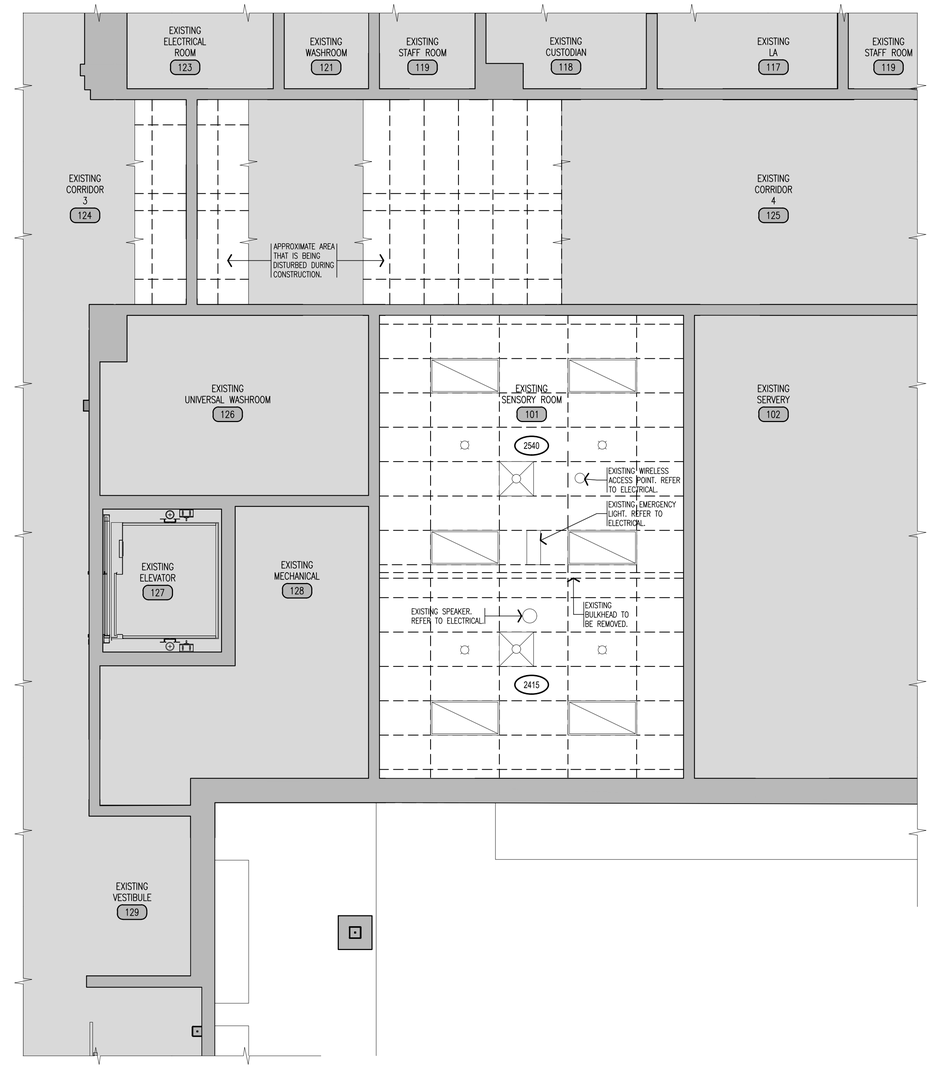
client reference number

sheet no. A-106 01



1 PARTIAL FIRST FLOOR DEMOLITION PLAN
ROSEMOUNT WING

scale: 1 : 50



2 PARTIAL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN
ROSEMOUNT WING

scale: 1 : 50

GENERAL NOTES

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2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR A COMPLETE SCOPE OF WORK. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL DEMOLITION REQUIRED BY OTHER TRADES IS PRICED & COORDINATED ACCORDINGLY.
3. ALL CONSTRUCTION MATERIALS TO BE REMOVED WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO DISPOSE OF AT AN APPROVED DISPOSAL FACILITY, UNLESS OTHERWISE NOTED.
4. ANY ACOUSTIC CEILING TILES REMOVED DURING THE COURSE OF CONSTRUCTION TO ACCOMMODATE THE INSTALLATION OF NEW SERVICES OR DEMOLITION WORK SHALL BE SALVAGED, STORED, & REINSTALLED. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO REPLACE ALL DAMAGED CEILING TILES WITH NEW, UNLESS OTHERWISE NOTED.
5. ALL MECHANICAL & ELECTRICAL SERVICES RELATED TO EQUIPMENT, MILLWORK, REMOVALS, RELOCATIONS & DEMOLITIONS SHALL BE DISCONNECTED & CAPPED BENEATH THE FINISHED FLOOR LEVEL. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR A COMPLETE SCOPE OF WORK.
6. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO REMOVE, STORE & RELOCATE / REINSTALL ALL FIXED IN PLACE MILLWORK, EQUIPMENT ETC. IN AREAS OF WORK. THE GENERAL CONTRACTOR SHALL CO-ORDINATE WITH THE OWNER WHEN THE ITEMS, UNDER HIS RESPONSIBILITY, SHALL BE REINSTALLED AT WHICH TIME AN INSPECTION FOR DAMAGE SHALL BE CONDUCTED BY THE SCHOOL BOARD.
7. SELECTIVE DEMOLITION OF WALLS AND CEILINGS AS REQUIRED TO ACCOMMODATE INSTALLATION OF MECHANICAL AND ELECTRICAL ROUGH-INS AND EQUIPMENT.

NOTE 1:

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LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING WALL.
- EXISTING TO BE REMOVED.
- EXISTING DOOR & FRAME TO REMAIN. (ex01)
- EXISTING DOOR & FRAME TO BE REMOVED.
- ROOM NAME 101 — ROOM NAME & NUMBER.
- ROOM NAME 101 — EXISTING ROOM NAME & NUMBER.
- MAIN ENTRANCE.
- SECONDARY ENTRANCE/EXIT.
- APPROXIMATE AREA OF EXISTING FLOORING, WALL BASE AND ADHESIVES TO BE REMOVED.
- EXISTING ACOUSTIC TILE CEILING AND T-BAR SUSPENSION SYSTEM TO BE REMOVED.
- LIGHT FIXTURES. (REFER TO ELECTRICAL DRAWINGS).
- MECHANICAL GRILLES & DIFFUSERS. (REFER TO MECHANICAL DRAWINGS).

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH — TRUE NORTH

scale: AS NOTED

drawn: MV
last worked on: 2026.03.18 by MV
checked: B.R.J.
print date: 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

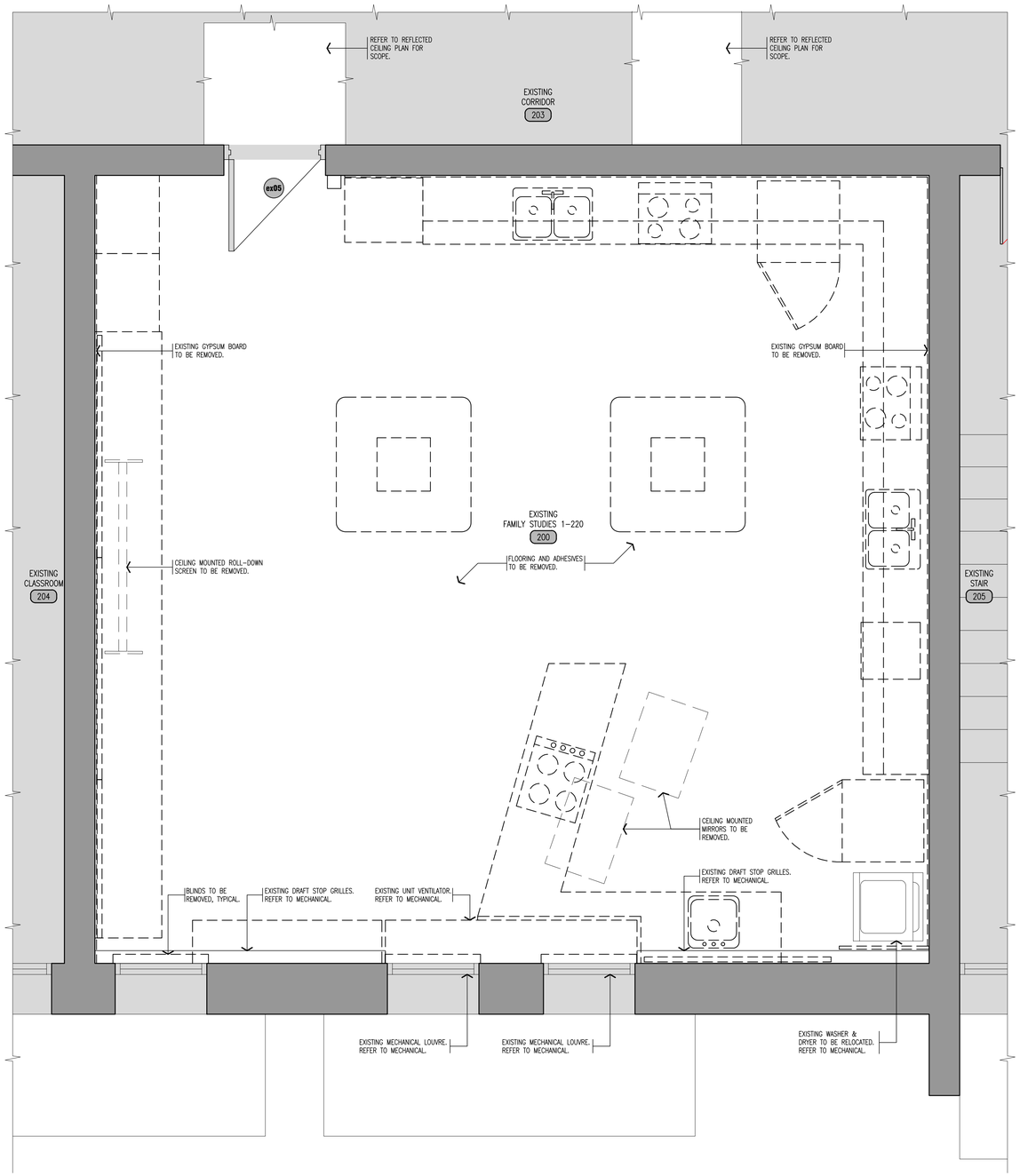
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
PARTIAL FIRST FLOOR DEMOLITION PLAN & RCP

reference

project no. 25-092
client reference number

sheet no. AD110 01



1 PARTIAL DEMOLITION SECOND FLOOR PLAN
FAMILY STUDIES 1–220
scale: 1 : 25

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6. SELECTIVE DEMOLITION OF WALLS AND CEILINGS AS REQUIRED TO ACCOMMODATE INSTALLATION OF MECHANICAL AND ELECTRICAL ROUGH-INS AND EQUIPMENT.
7. CONTRACTOR TO REMOVE ALL EXISTING INTERIOR SIGNAGE, EQUIPMENT, WHITEBOARDS & TACKBOARDS DURING PAINTING OF WALLS AND REINSTALL UPON COMPLETION OF PAINTING. LOCATIONS TO BE REVIEWED WITH OWNER PRIOR TO INSTALLATION.
8. REFER TO MECHANICAL DEMO DRAWINGS FOR SCOPE OF PIPES REMAINING AND BEING REMOVED.
9. EXISTING OVENS, FRIDGES, MICROWAVES, DISHWASHERS, WALL MOUNTED PENCIL SHARPENER, WASHER AND DRYER ARE TO BE RETURNED TO THE OWNER.

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LEGEND

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- EXISTING DOOR & FRAME TO BE REMOVED.
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Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH
TRUE NORTH
scale AS NOTED

drawn MV
last worked on 2026.02.11 by MV
checked B.R.J.
print date 2026.04.08

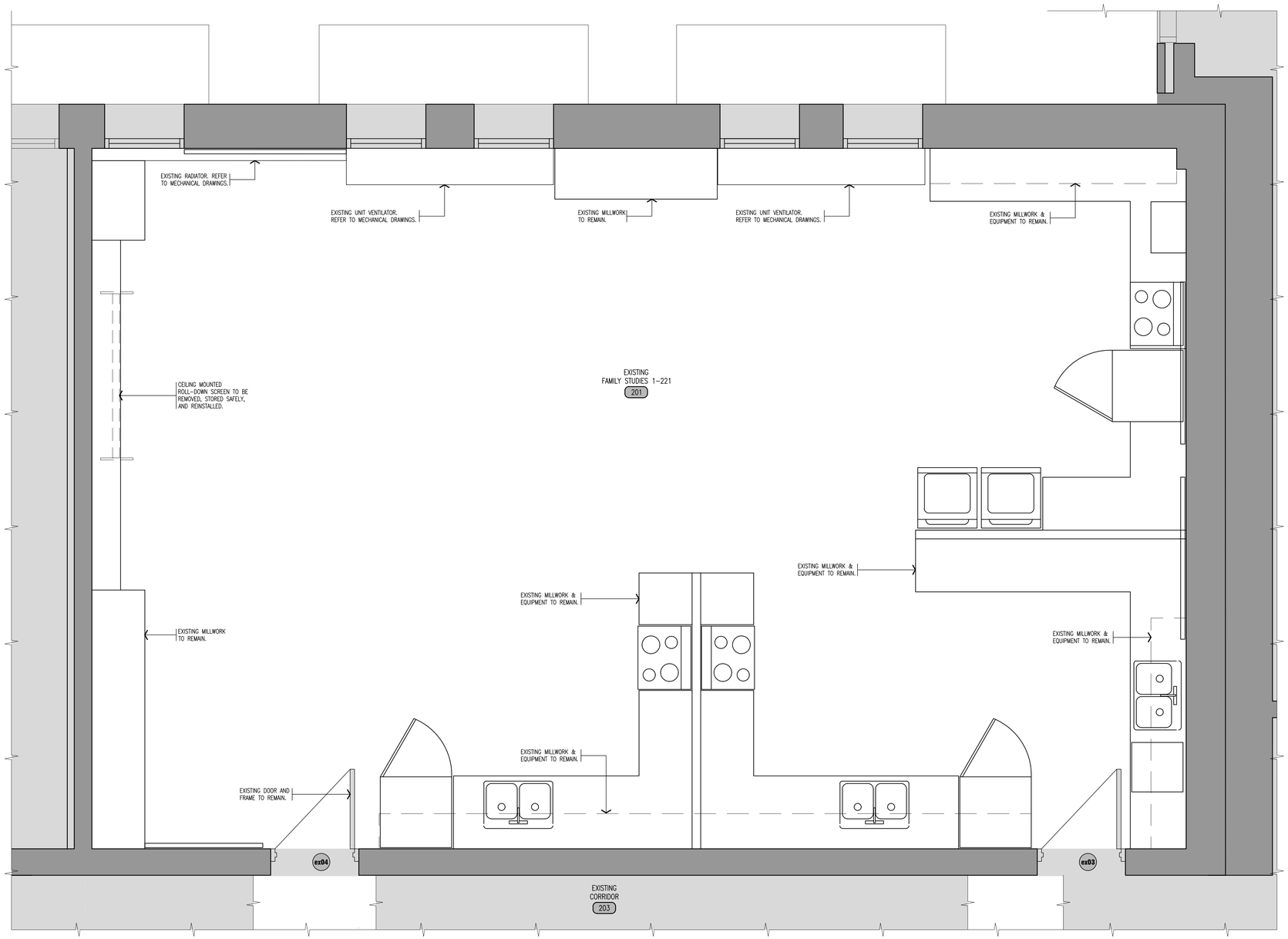
BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
PARTIAL DEMOLITION SECOND FLOOR PLAN FAMILY STUDIES 1–220

reference
project no. 25–092
client reference number
sheet no. AD111 01



NOTE: FOR REFERENCE ONLY.
SCOPE OF WORK INCLUDES ONLY CEILING AND ABOVE CEILING ROUGH-INS.

NOTE:

THIS DRAWING IS FOR REFERENCE ONLY. DEMOLITION AND NEW CONSTRUCTION OF ALL FLOORING, MILLWORK, EQUIPMENT, WINDOW TREATMENTS, WHITEBOARDS AND TACKBOARDS WILL COMMENCE AT A LATER DATE. PROVIDE PROTECTION DURING CEILING DEMOLITION AND CONSTRUCTION.

1 PARTIAL DEMOLITION SECOND FLOOR PLAN
FAMILY STUDIES 1-221
scale: 1 : 25

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Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH
TRUE NORTH
scale AS NOTED

drawn VA
last worked on 2026.04.08 by MV
checked B.R.J.
print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

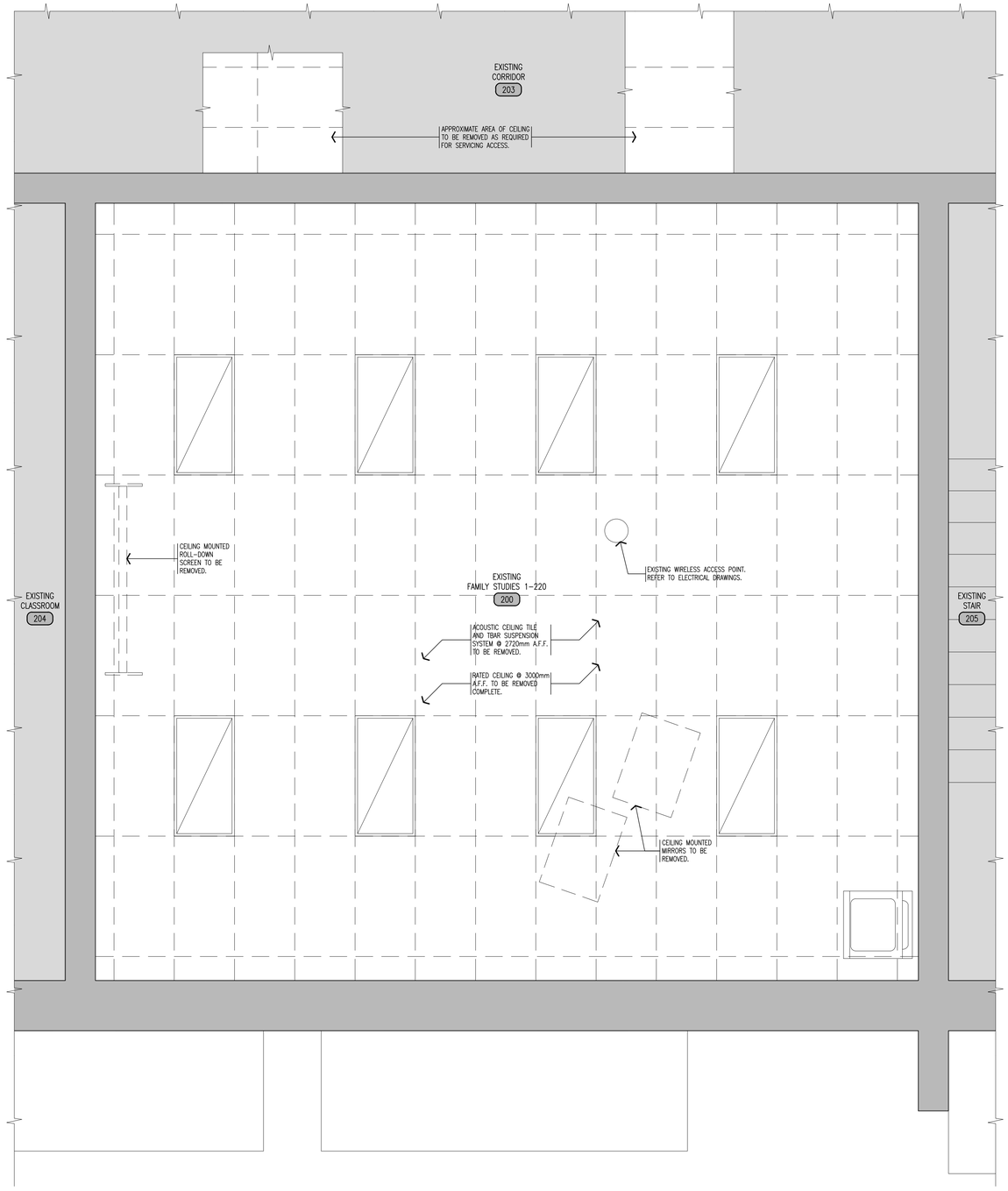
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
PARTIAL DEMOLITION SECOND FLOOR PLAN FAMILY STUDIES 1-221

reference

project no. 25-092
client reference number

sheet no. AD112 01



1 PARTIAL DEMOLITION SECOND FLOOR REFLECTED CEILING PLAN
FAMILY STUDIES 1-220

scale: 1 : 25

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5. SELECTIVE DEMOLITION OF WALLS AND CEILINGS AS REQUIRED TO ACCOMMODATE INSTALLATION OF MECHANICAL AND ELECTRICAL ROUGH-INS AND EQUIPMENT.
6. COORDINATE WITH MECHANICAL FOR THE PROTECTION OF EXISTING SPRINKLER SYSTEM DURING THE DEMOLITION AND REMOVAL OF CEILINGS. REFER TO MECHANICAL DRAWINGS.

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LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING WALL.
- ROOM NAME 101 — ROOM NAME & NUMBER.
- ROOM NAME 101 — EXISTING ROOM NAME & NUMBER.
- EXISTING ACOUSTIC TILE CEILING AND T-BAR SUSPENSION SYSTEM TO BE REMOVED.
- LIGHT FIXTURES. (REFER TO ELECTRICAL DRAWINGS).

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH
TRUE NORTH
scale AS NOTED

drawn	MV
last worked on	2026.02.11
by	MV
checked	B.R.J.
print date	2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

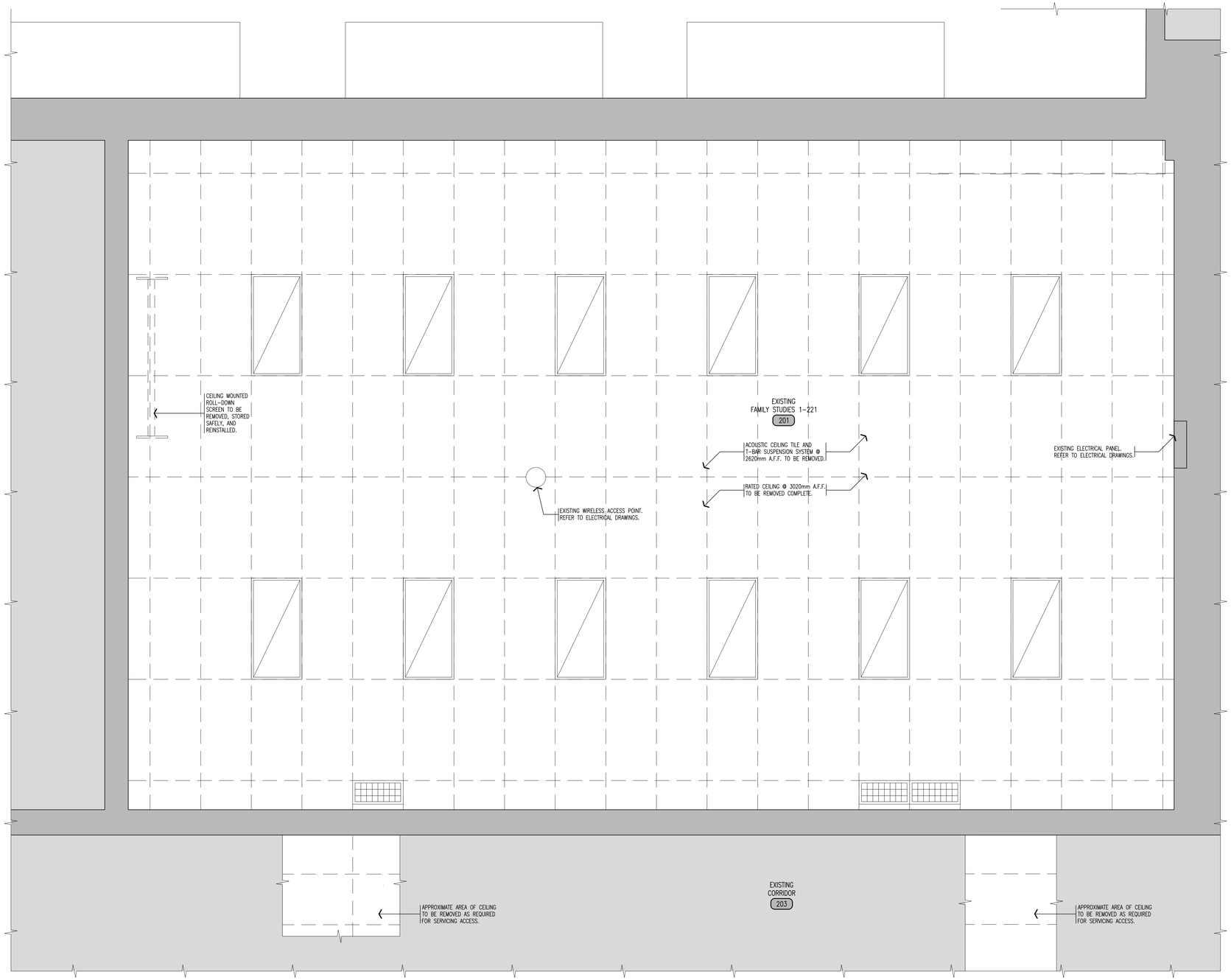
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
PARTIAL DEMOLITION SECOND FLOOR RCP FAMILY STUDIES 1-220

reference

project no. 25-092
client reference number

sheet no. AD160 01



1 PARTIAL DEMOLITION SECOND FLOOR REFLECTED CEILING PLAN
FAMILY STUDIES 1-221

scale: 1 : 25

GENERAL NOTES

1. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR THE SAME. REPORT ANY ERRORS OR OMISSIONS TO THE ARCHITECT IN WRITING PRIOR TO COMMENCING WITH THE WORK. PRINTS ARE NOT TO BE SCALED.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR A COMPLETE SCOPE OF WORK. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL DEMOLITION REQUIRED BY OTHER TRADES IS PRICED & COORDINATED ACCORDINGLY.
3. ALL CONSTRUCTION MATERIALS TO BE REMOVED WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO DISPOSE OF AT AN APPROVED DISPOSAL FACILITY, UNLESS OTHERWISE NOTED.
4. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO REMOVE, STORE & RELOCATE / REINSTALL ALL FIXED IN PLACE MILLWORK, EQUIPMENT ETC. IN AREAS OF WORK. THE GENERAL CONTRACTOR SHALL CO-ORDINATE WITH THE OWNER WHEN THE ITEMS, UNDER HIS RESPONSIBILITY, SHALL BE REINSTALLED AT WHICH TIME AN INSPECTION FOR DAMAGE SHALL BE CONDUCTED BY THE SCHOOL BOARD.
5. SELECTIVE DEMOLITION OF WALLS AND CEILINGS AS REQUIRED TO ACCOMMODATE INSTALLATION OF MECHANICAL AND ELECTRICAL ROUGH-INS AND EQUIPMENT.
6. COORDINATE WITH MECHANICAL FOR THE PROTECTION OF EXISTING SPRINKLER SYSTEM DURING THE DEMOLITION AND REMOVAL OF CEILINGS. REFER TO MECHANICAL DRAWINGS.

NOTE 1:

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LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING WALL.
- ROOM NAME 101 — ROOM NAME & NUMBER.
- ROOM NAME 101 — EXISTING ROOM NAME & NUMBER.
- EXISTING ACOUSTIC TILE CEILING AND T-BAR SUSPENSION SYSTEM TO BE REMOVED.
- LIGHT FIXTURES. (REFER TO ELECTRICAL DRAWINGS).
- MECHANICAL GRILLES & DIFFUSERS. (REFER TO MECHANICAL DRAWINGS).

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH
TRUE NORTH
scale AS NOTED

drawn VA
last worked on 2026.02.11 by MV
checked B.R.J.
print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
PARTIAL DEMOLITION SECOND FLOOR RCP FAMILY STUDIES 1-221

reference

project no. 25-092
client reference number

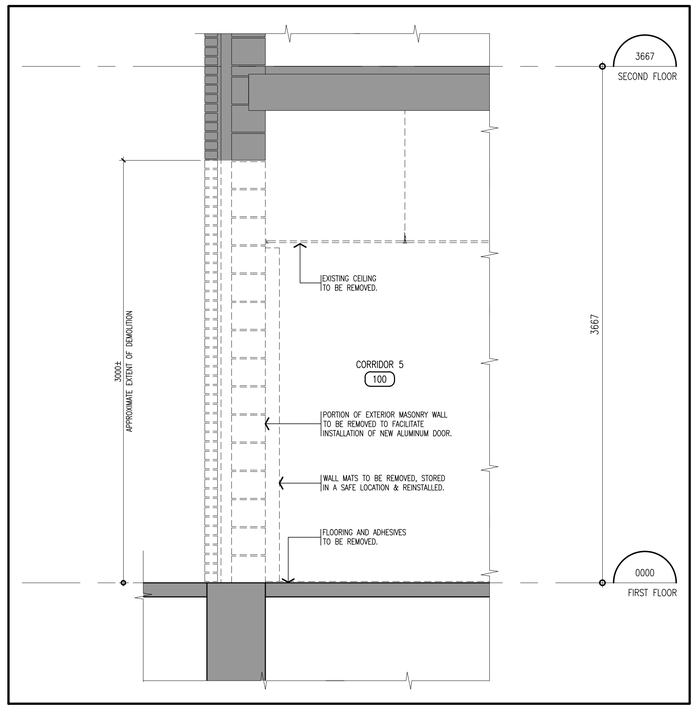
sheet no. AD161 01

1 RESERVED

2 RESERVED

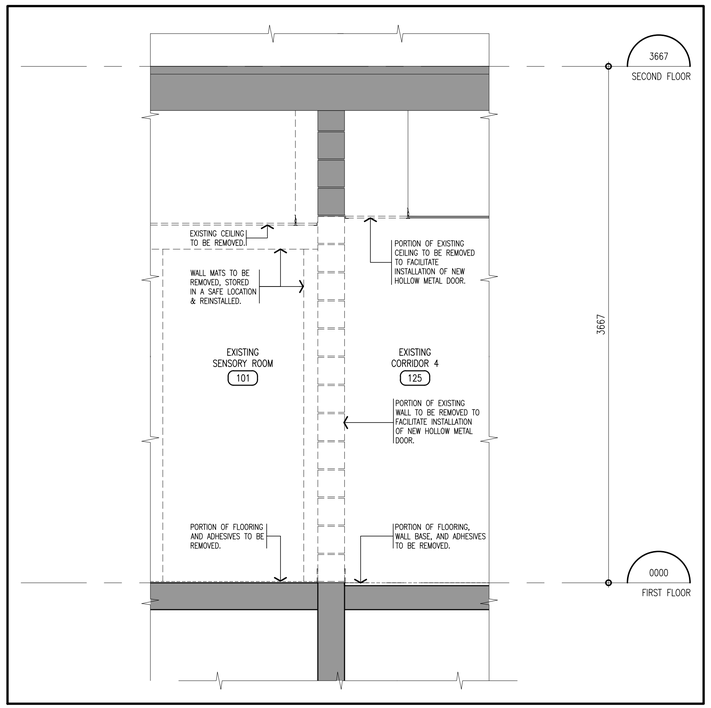
3 RESERVED

4 RESERVED



5 DEMOLITION WALL SECTION THRU EXTERIOR WALL

scale: 1 : 20



6 DEMOLITION WALL SECTION THRU INTERIOR WALL BETWEEN SENSORY ROOM & CORRIDOR 4

scale: 1 : 20

Waterloo Region District School Board

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scale 1:20

drawn MV
last worked on 2026.04.08 by MV
checked B.R.J.
print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

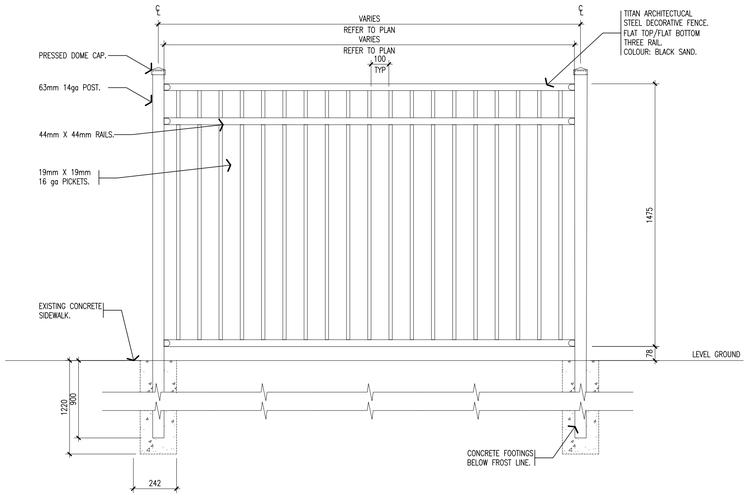
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
DEMOLITION WALL SECTONS

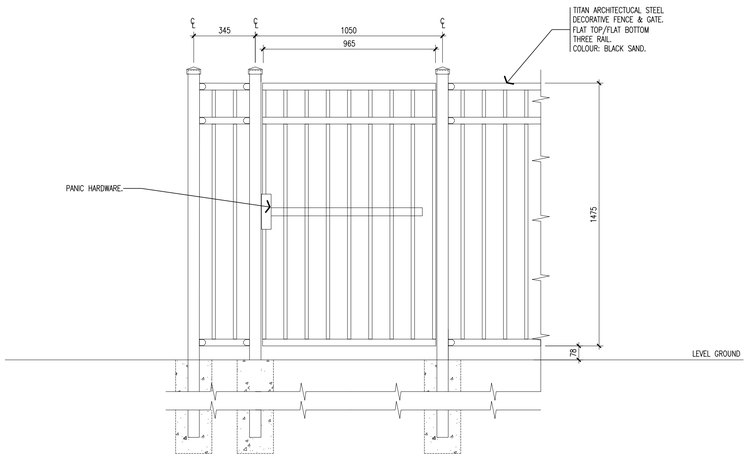
reference

project no. 25-092
client reference number

sheet no. AD300 01



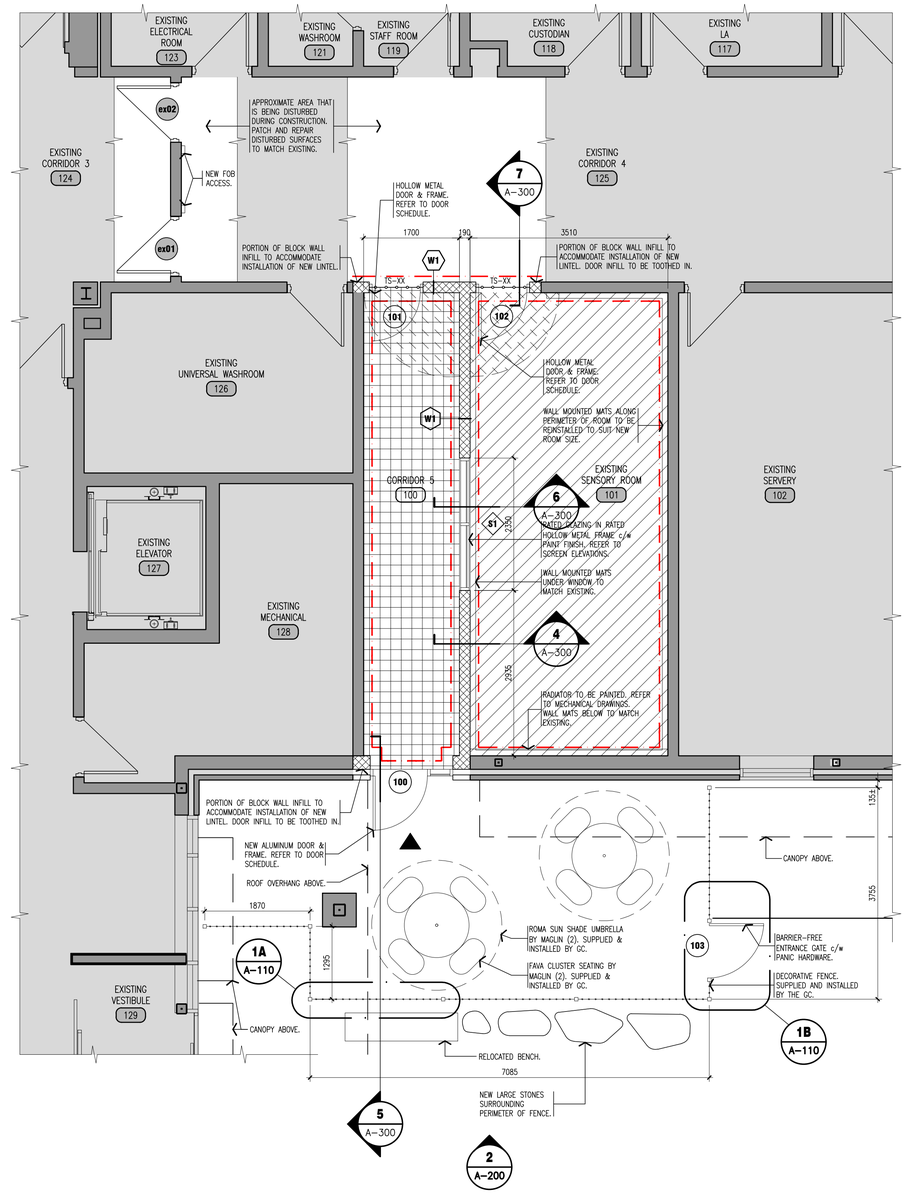
A FENCE SEGMENT ELEVATION



B GATE ELEVATION

1 EXTERIOR FENCE DETAILS

NTS



2 PARTIAL FIRST FLOOR & FINISHES PLAN
ROSEMOUNT WING

scale: 1 : 50

GENERAL NOTES

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2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR A COMPLETE SCOPE OF WORK.
3. WHERE FLOORING IS BEING REMOVED, GRIND SMOOTH EXISTING CONCRETE FLOOR SLAB TO REMOVE ANY REMNANT ADHESIVE, MORTAR ETC. & MAKE READY TO RECEIVE NEW FLOOR FINISHES.
4. CRACKING IN CONCRETE SLAB NOT RELATED TO TRANSITIONS OR SAWCUTTING ARE TO BE CLEANED OUT, INFILLED & LEVELLED SMOOTH. GRIND SMOOTH, INFILL AND PATCH LOCATIONS OF SAWCUTS OR TRANSITION JOINTS & COLUMNS ISOLATION JOINTS TO MAKE TRANSITION IMPERCEPTIBLE IN PREPARATION OF INSTALLATION OF ALL NEW FLOORING. GENERAL CONTRACTOR TO SITE CONFIRM LOCATIONS.
5. LEVEL SLAB AREAS AFTER ANY REMOVALS WHICH MAY HAVE DIFFERENT ELEVATIONS.
6. WHERE EXISTING SURFACES ARE DISTURBED DUE TO DEMOLITION OR ALTERATIONS WORK, SUCH SURFACES SHALL BE MADE GOOD TO MATCH EXISTING ADJACENT MATERIALS.
7. THE GENERAL CONTRACTOR WILL PATCH, REPAIR OR REPLACE ANY DAMAGED ITEMS, UNDER HIS RESPONSIBILITY AS A CONSEQUENCE OF IMPROPER STORAGE OR HANDLING, AT HIS OWN EXPENSE.
8. REFER TO ARCHITECTURAL DRAWING A-001 FOR WALL TYPE AND WINDOW TYPE LEGEND.
9. AT EXTERIOR & INTERIOR FIRE RATED WALL(S) & FIRE SEPARATIONS, ENSURE ALL PENETRATIONS & GAPS ARE FIRE STOPPED/ SEALED, WITH AN APPROVED FIRE STOP MATERIAL TO MAINTAIN DESIGNATED RATING OF DESIGN AS REQUIRED.
10. ALL NEW WALLS ARE TO BE FULL HEIGHT TO u/s OF EXISTING SLAB/DECK, UNLESS SPECIFICALLY IDENTIFIED.
11. PATTERNS OF HATCHING ARE GRAPHIC REPRESENTATIONS ONLY. THEY DO NOT REPRESENT TILE PLACEMENT OR COURSING.
12. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING FLOORING PROTECTION UNTIL HANDED OVER TO OWNER. ALL FLOORING DAMAGED AS A RESULT OF PROTECTION NOT BEING PROVIDED WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REPAIR AND OR REPLACE AT THE GENERAL CONTRACTOR'S EXPENSE.
13. ENSURE ALL SURFACES ARE CLEAN AND FREE OF DEBRIS PRIOR TO PAINTING
14. ALL WALLS ARE TO BE PAINTED. COLOUR: TBD.
15. ALL DOORS AND FRAMES ARE TO BE PAINTED. COLOUR: TBD.
16. GENERAL CONTRACTOR TO SALVAGE CONCRETE BLOCK FROM DEMOLITION TO INFILL WALL WHERE NEW DOOR OPENINGS ARE MADE.

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LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING WALL.
- NEW INTERIOR BLOCK WALL.
- 101 — NEW DOOR & DOOR NUMBER.
- ex101 — EXISTING DOOR & FRAME & DOOR NUMBER.
- ROOM NAME 101 — ROOM NAME & NUMBER.
- ROOM NAME 101 — EXISTING ROOM NAME & NUMBER.
- W1 — WALL TYPE.
- S1 — SCREEN NUMBER.
- SECONDARY ENTRANCE/EXIT.
- NEW MILLWORK.
- OVERHEAD ELEMENT.
- AREA OF NEW SPORTS FLOORING c/w RUBBER WALL BASE. MANUFACTURER: TARKETT SPORTS OMNISPORTS GREENLAY COLOUR: GUNSTOCK OAK
- AREA OF NEW PORCELAIN TILE TO MATCH EXISTING FLOORING c/w CERAMIC TILE BASE. MANUFACTURER: OLYMPIA TILE COLOUR: MUST SERIES TAUPE MATTE
- TS-XX — TRANSITION STRIP.
- PT-1 — PAINT FINISH COLOUR: TBD.
- APPROXIMATE AREA OF FLOOR TO BE SKIMMED A MINIMUM OF 1500mm TO PROVIDE A SMOOTH TRANSITION.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.02

PROJECT NORTH — TRUE NORTH — scale AS NOTED

drawn VA
last worked on 2026.04.08 by MV
checked B.R.J.
print date 2026.04.02

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

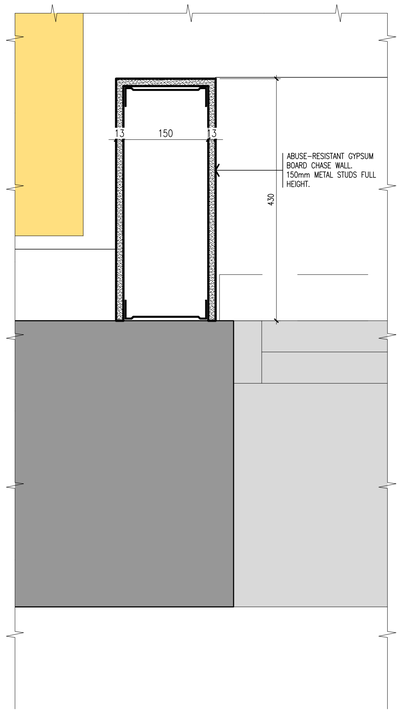
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
PARTIAL FIRST FLOOR & FINISHES PLAN

reference

project no. 25-092
client reference number

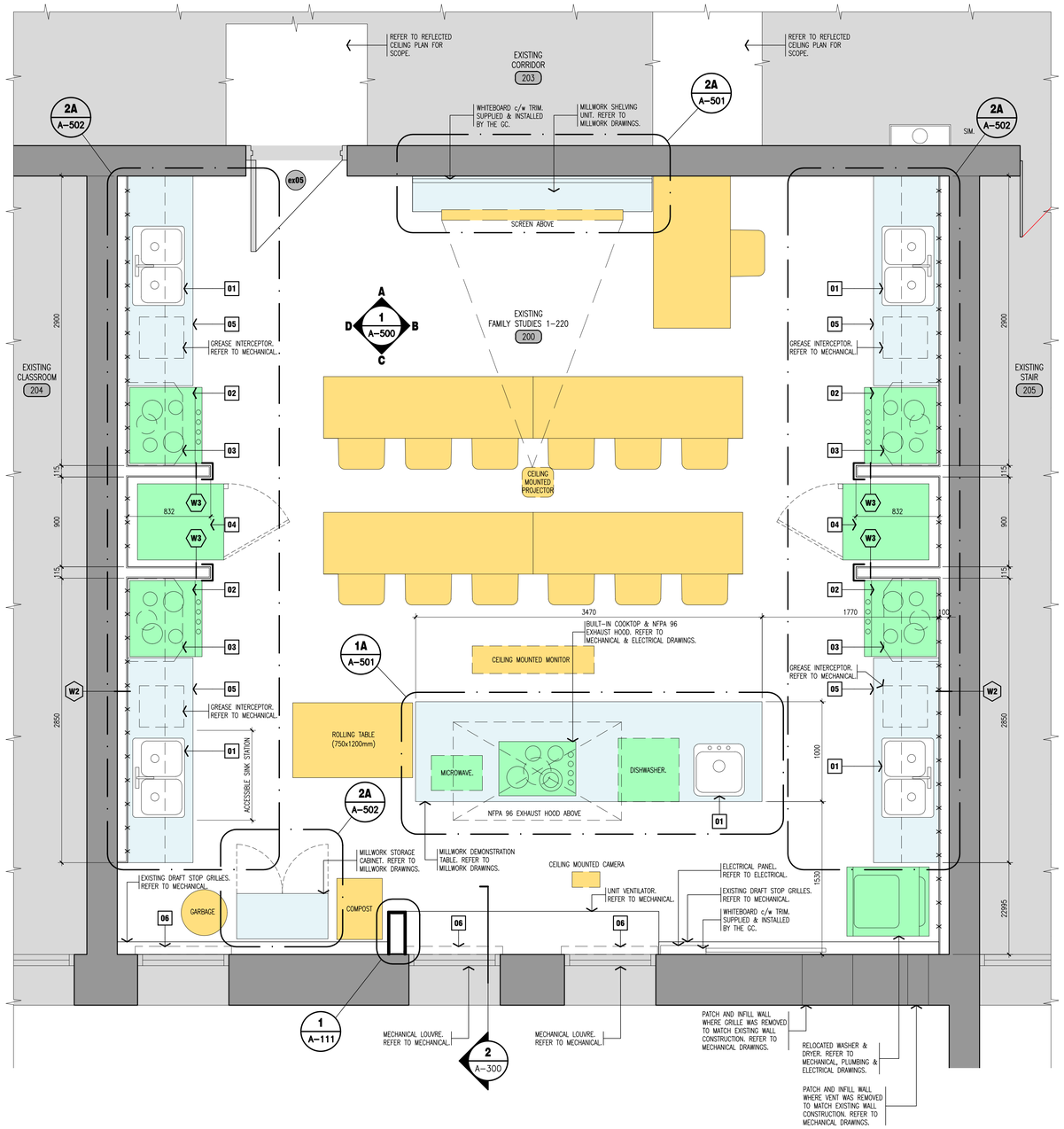
sheet no. A-110 00



1 CHASE WALL DETAIL

scale: 1 : 5

2 RESERVED



3 PARTIAL SECOND FLOOR PLAN
FAMILY STUDIES 1-220

scale: 1 : 25

GENERAL NOTES

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3. WHERE FLOORING IS BEING REMOVED, GRIND SMOOTH EXISTING CONCRETE FLOOR SLAB TO REMOVE ANY REMNANT ADHESIVE, MORTAR ETC. & MAKE READY TO RECEIVE NEW FLOOR FINISHES.
4. CRACKING IN CONCRETE SLAB NOT RELATED TO TRANSITIONS OR SAWCUTTING ARE TO BE CLEANED OUT, INFILLED & LEVELLED SMOOTH. GRIND SMOOTH, INFILL AND PATCH LOCATIONS OF SAWCUTS OR TRANSITION JOINTS & COLUMNS ISOLATION JOINTS TO MAKE TRANSITION IMPERCEPTIBLE IN PREPARATION OF INSTALLATION OF ALL NEW FLOORING. GENERAL CONTRACTOR TO SITE CONFIRM LOCATIONS.
5. LEVEL SLAB AREAS AFTER ANY REMOVALS WHICH MAY HAVE DIFFERENT ELEVATIONS.
6. WHERE EXISTING SURFACES ARE DISTURBED DUE TO DEMOLITION OR ALTERATIONS WORK, SUCH SURFACES SHALL BE MADE GOOD TO MATCH EXISTING ADJACENT MATERIALS.
7. THE GENERAL CONTRACTOR WILL PATCH, REPAIR OR REPLACE ANY DAMAGED ITEMS, UNDER HIS RESPONSIBILITY AS A CONSEQUENCE OF IMPROPER STORAGE OR HANDLING, AT HIS OWN EXPENSE.
8. REFER TO ARCHITECTURAL DRAWING A-001 FOR WALL TYPES LEGEND.
9. ALL NEW WALLS ARE TO BE FULL HEIGHT TO u/s OF EXISTING SLAB/DECK, UNLESS SPECIFICALLY IDENTIFIED.
10. ALL PARTITIONS WHICH SHALL SUPPORT FIXTURES, MILLWORK ACCESSORIES & EQUIPMENT ARE TO BE REINFORCED WITH WOOD BLOCKING AS REQUIRED TO PROVIDE RIGID & ADEQUATE SUPPORT.

DRAWING NOTES:

01	SINK & FAUCET. SUPPLIED & INSTALLED BY GC. REFER TO PLUMBING DRAWINGS.
02	RANGE-OVEN. REFER TO MECHANICAL & ELECTRICAL DRAWINGS.
03	FAN HOOD. REFER TO MECHANICAL DRAWINGS.
04	FRIDGE. REFER TO ELECTRICAL & PLUMBING DRAWINGS.
05	MILLWORK COUNTER & UPPERS c/w UNDER-CABINET LIGHTING. REFER TO MILLWORK DRAWINGS.
06	MANUAL ROLLING BLINDS c/w 1% OPEN WEAVE FLAME RETARDANT FABRIC AT EACH EXISTING WINDOW. SUPPLIED & INSTALLED BY THE GC.

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LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING WALL.
- NEW INTERIOR WALL.
- 01 — NEW DOOR & DOOR NUMBER.
- ex01 — EXISTING DOOR & FRAME & DOOR NUMBER.
- ROOM NAME 101 — ROOM NAME & NUMBER.
- ROOM NAME 101 — EXISTING ROOM NAME & NUMBER.
- W1 — WALL TYPE.
- W1 — WINDOW NUMBER.
- NEW MILLWORK.
- FURNITURE & EQUIPMENT. SUPPLIED AND INSTALLED BY OWNER. GENERAL CONTRACTOR TO COORDINATE.
- EQUIPMENT. SUPPLIED BY THE OWNER. INSTALLED BY THE GENERAL CONTRACTOR.
- OVERHEAD ELEMENT.
- BLOCKING.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH

TRUE NORTH

scale AS NOTED

drawn	MV
last worked on	2026.03.12 by MV
checked	B.R.J.
print date	2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

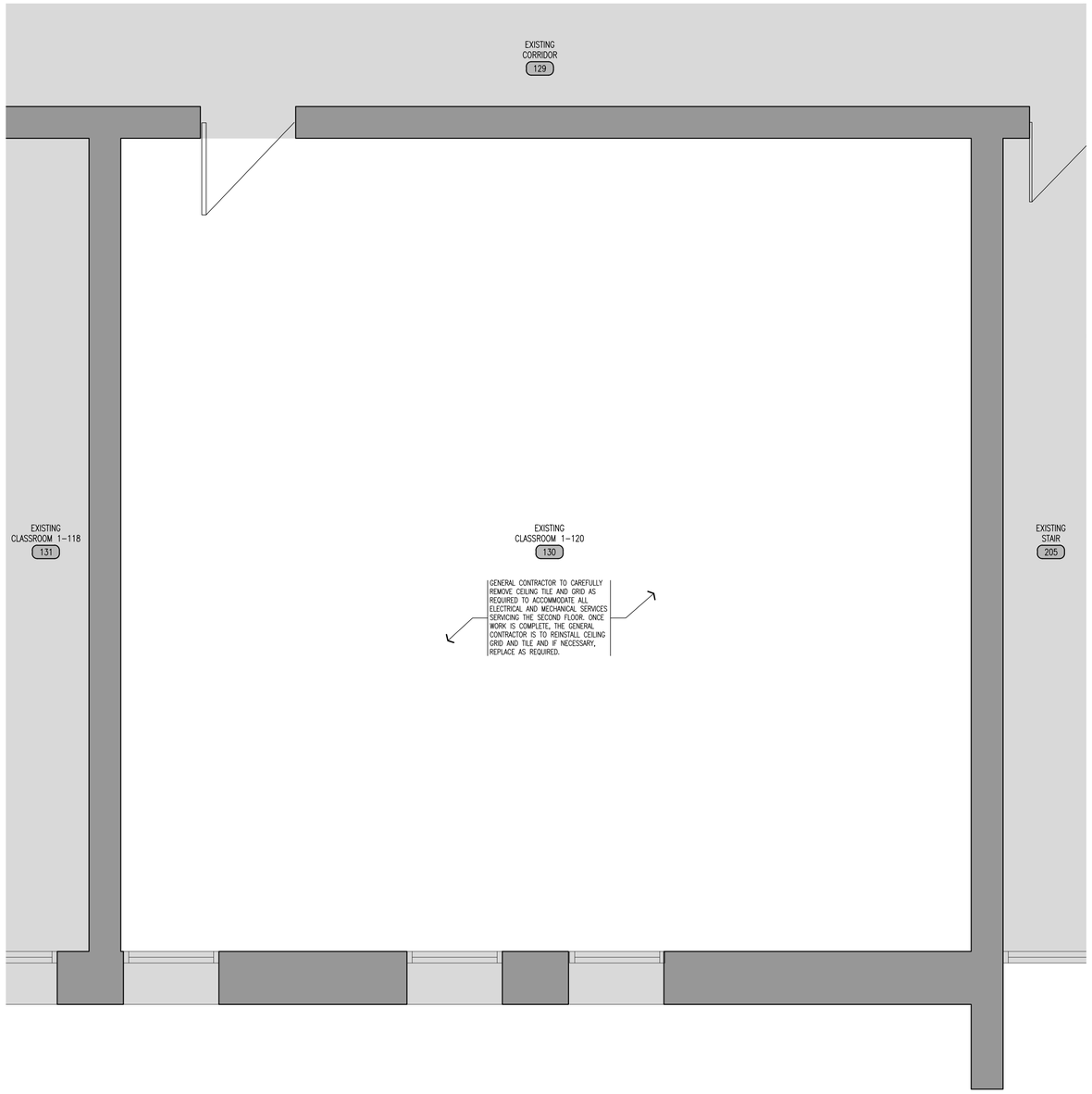
drawing title
PARTIAL SECOND FLOOR PLAN
FAMILY STUDIES 1-220

reference

project no. 25-092

client reference number

sheet no. A-111 01



1 PARTIAL FIRST FLOOR PLAN
ROOM 1–120
scale: 1 : 50

GENERAL NOTES

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2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR A COMPLETE SCOPE OF WORK.
3. WHERE FLOORING IS BEING REMOVED, GRIND SMOOTH EXISTING CONCRETE FLOOR SLAB TO REMOVE ANY REMNANT ADHESIVE, MORTAR ETC. & MAKE READY TO RECEIVE NEW FLOOR FINISHES.
4. CRACKING IN CONCRETE SLAB NOT RELATED TO TRANSITIONS OR SAWCUTTING ARE TO BE CLEANED OUT, INFILLED & LEVELLED SMOOTH. GRIND SMOOTH, INFILL AND PATCH LOCATIONS OF SAWCUTS OR TRANSITION JOINTS & COLUMNS ISOLATION JOINTS TO MAKE TRANSITION IMPERCEPTIBLE IN PREPARATION OF INSTALLATION OF ALL NEW FLOORING. GENERAL CONTRACTOR TO SITE CONFIRM LOCATIONS.
5. LEVEL SLAB AREAS AFTER ANY REMOVALS WHICH MAY HAVE DIFFERENT ELEVATIONS.
6. WHERE EXISTING SURFACES ARE DISTURBED DUE TO DEMOLITION OR ALTERATIONS WORK, SUCH SURFACES SHALL BE MADE GOOD TO MATCH EXISTING ADJACENT MATERIALS.
7. THE GENERAL CONTRACTOR WILL PATCH, REPAIR OR REPLACE ANY DAMAGED ITEMS, UNDER HIS RESPONSIBILITY AS A CONSEQUENCE OF IMPROPER STORAGE OR HANDLING, AT HIS OWN EXPENSE
8. AT EXTERIOR & INTERIOR FIRE RATED WALL(S) & FIRE SEPARATIONS, ENSURE ALL PENETRATIONS & GAPS ARE FIRE STOPPED/ SEALED, WITH AN APPROVED FIRE STOP MATERIAL TO MAINTAIN DESIGNATED RATING OF DESIGN AS REQUIRED.
9. THE GENERAL CONTRACTOR IS TO PROTECT ALL FURNISHINGS AND FURNITURE WHILE WORK IS UNDERWAY. COORDINATE WITH SCHOOL BOARD REPRESENTATIVE.

NOTE 1:

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NOTE 2:

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LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING WALL.
- NEW INTERIOR BLOCK WALL.
- 101 — NEW DOOR & DOOR NUMBER.
- ex101 — EXISTING DOOR & FRAME & DOOR NUMBER.
- ROOM NAME 101 — ROOM NAME & NUMBER.
- ROOM NAME 101 — EXISTING ROOM NAME & NUMBER.
- W1 — WALL TYPE.
- W1 — WINDOW NUMBER.
- MAIN ENTRANCE.
- SECONDARY ENTRANCE/EXIT.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH
TRUE NORTH
scale AS NOTED

drawn VA
last worked on 2026.04.08 by MV
checked B.R.J.
print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

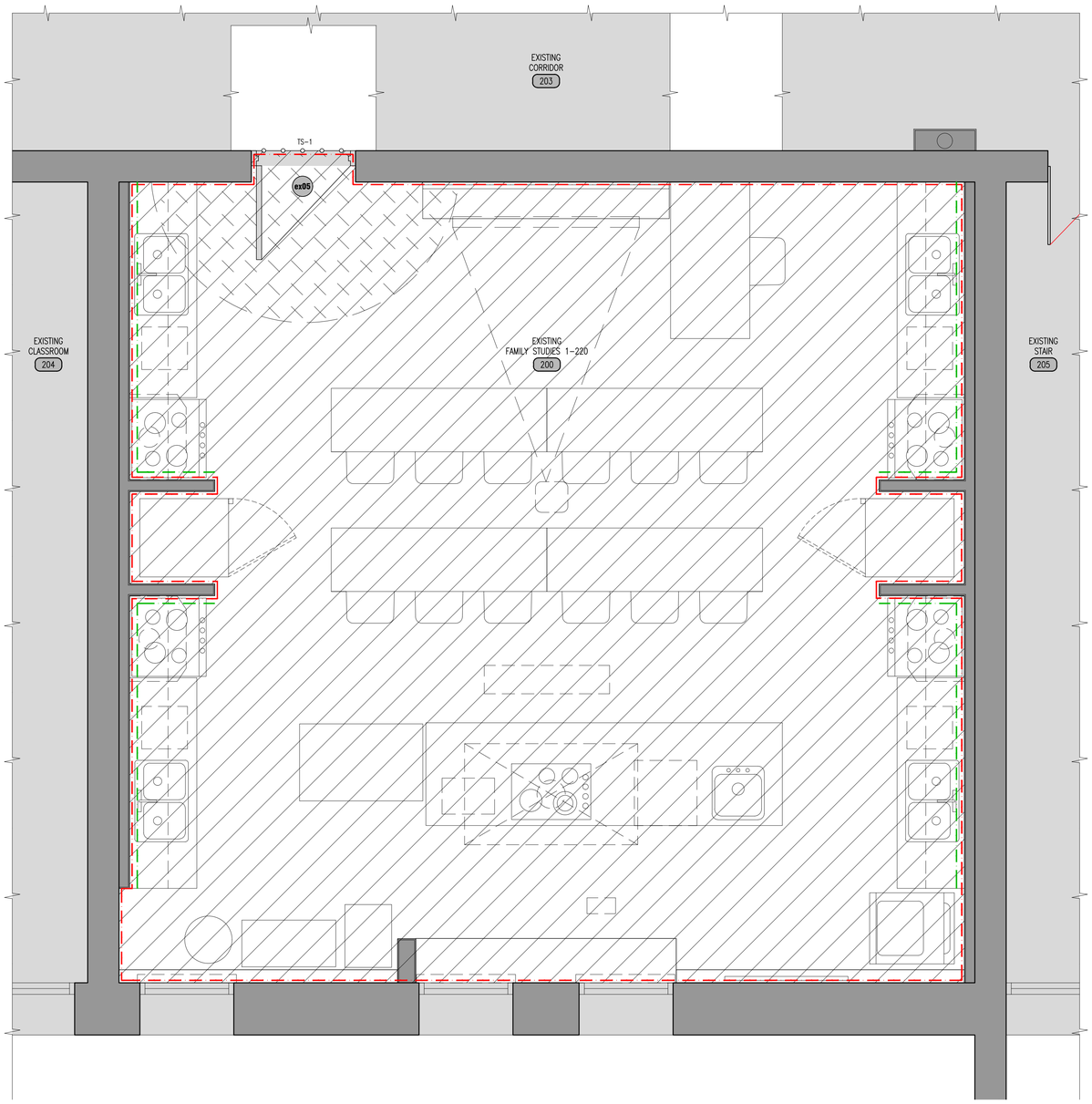
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
PARTIAL FIRST FLOOR PLAN
ROOM 1–120

reference

project no. 25–092
client reference number

sheet no. A-112 01



1 PARTIAL SECOND FLOOR FINISHES PLAN
FAMILY STUDIES 1-220
scale: 1 : 25

2 RESERVED

3 RESERVED

GENERAL NOTES

1. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR THE SAME. REPORT ANY ERRORS OR OMISSIONS TO THE ARCHITECT IN WRITING PRIOR TO COMMENCING WITH THE WORK. PRINTS ARE NOT TO BE SCALED.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR A COMPLETE SCOPE OF WORK.
3. PATTERNS OF HATCHING ARE GRAPHIC REPRESENTATIONS ONLY. THEY DO NOT REPRESENT FLOORING PLACEMENT OR COURSING.
4. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING FLOORING PROTECTION UNTIL HANDED OVER TO OWNER. ALL FLOORING DAMAGED AS A RESULT OF PROTECTION NOT BEING PROVIDED WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REPAIR AND OR REPLACE AT THE GENERAL CONTRACTOR'S EXPENSE.
5. ENSURE ALL SURFACES ARE CLEAN AND FREE OF DEBRIS PRIOR TO PAINTING.
6. ALL WALLS AND GYPSUM BOARD ARE TO BE PAINTED. COLOUR: TBD.
7. ALL DOORS AND FRAMES ARE TO BE PAINTED. COLOUR: TBD.
8. PAINTED FINISHES SHALL EXTEND BEHIND ALL MILLWORK & WALL MOUNTED ACCESSORES.
9. FLOORING IS TO EXTEND UNDER ALL NEW MILLWORK UNLESS OTHERWISE SPECIFIED.

NOTE 1:

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LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING WALL.
- NEW INTERIOR WALL.
- 01 — NEW DOOR & DOOR NUMBER.
- ex01 — EXISTING DOOR & FRAME & DOOR NUMBER.
- ROOM NAME 101 — ROOM NAME & NUMBER.
- ROOM NAME 101 — EXISTING ROOM NAME & NUMBER.
- AREA OF NEW SAFETY VINYL SHEET FLOORING c/w 100mm RUBBER WALL BASE. MANUFACTURER: POLYSAFE VERONA PUR COLOUR: TBD
- TS-XX — TRANSITION STRIP.
- PT-1 — PAINT FINISH COLOUR:
- CT-1 — CERAMIC TILE COLOUR:
- APPROXIMATE AREA OF FLOOR TO BE SKIMMED A MINIMUM OF 1500mm TO PROVIDE A SMOOTH TRANSITION.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH
TRUE NORTH
scale AS NOTED

drawn MV
last worked on 2026.03.04 by MV
checked B.R.J.
print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

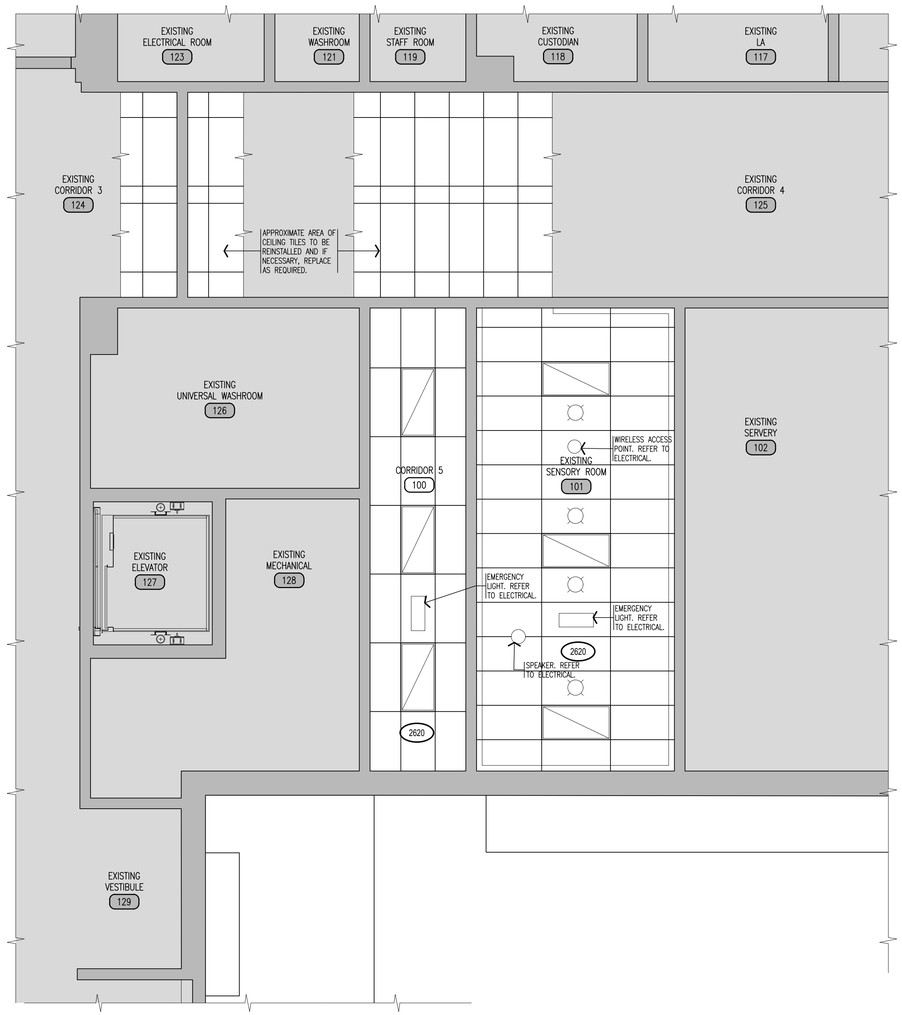
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
PARTIAL SECOND FLOOR & WALL FINISHES PLAN

reference

project no. 25-092
client reference number

sheet no. A-120 01



1 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN
ROSEMOUNT WING
scale: 1 : 50

GENERAL NOTES

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2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR A COMPLETE SCOPE OF WORK.
3. WHERE EXISTING SURFACES ARE DISTURBED DUE TO DEMOLITION OR ALTERATIONS WORK, SUCH SURFACES SHALL BE MADE GOOD TO MATCH EXISTING ADJACENT MATERIALS.
4. PATCH AND REPAIR AFFECTED WALLS WHERE T-BAR CEILING HAS BEEN REMOVED. MAKE GOOD TO MATCH EXISTING.

NOTE 1:

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LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING AND NEW WALLS.
- ROOM NAME 101 — ROOM NAME & NUMBER.
- ROOM NAME 101 — EXISTING ROOM NAME & NUMBER.
- XXXX — CEILING ELEVATION MARKER ABOVE FINISHED FLOOR LEVEL
- NEW LAY-IN ACOUSTIC TILE CEILING & T-BAR SUSPENSION SYSTEM. MANUFACTURER: ARMSTRONG DUNE SQUARE LAY-IN 1851M COORDINATE WITH MECHANICAL AND ELECTRICAL.
- LIGHT FIXTURES. (REFER TO ELECTRICAL DRAWINGS).
- MECHANICAL GRILLES & DIFFUSERS. (REFER TO MECHANICAL DRAWINGS).

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH
TRUE NORTH
scale AS NOTED

drawn VA
last worked on 2026.03.18 by MV
checked B.R.J.
print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

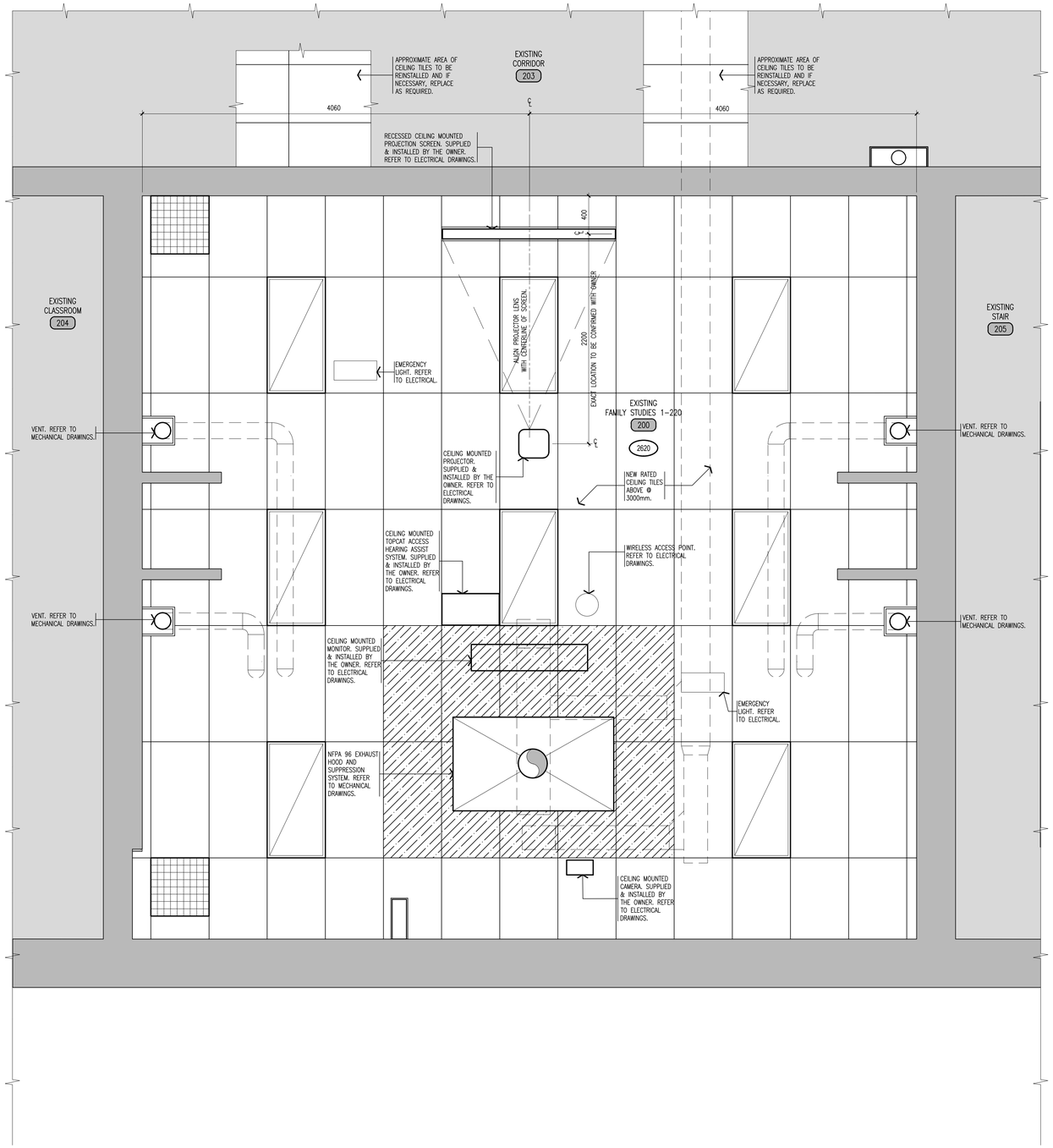
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
PARTIAL FIRST FLOOR RCP ROSEMOUNT WING

reference

project no. 25-092
client reference number

sheet no. A-160 01



1 PARTIAL SECOND FLOOR REFLECTED CEILING PLAN
FAMILY STUDIES 1–220
scale: 1 : 25

GENERAL NOTES

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LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING AND NEW WALLS.
- ROOM NAME 101 — ROOM NAME & NUMBER.
- ROOM NAME 101 — EXISTING ROOM NAME & NUMBER.
- XXXX — CEILING ELEVATION MARKER ABOVE FINISHED FLOOR LEVEL
- NEW LAY-IN ACOUSTIC TILE CEILING & T-BAR SUSPENSION SYSTEM. MANUFACTURER: ARMSTRONG DUNE SQUARE LAY-IN 1851M COORDINATE WITH MECHANICAL AND ELECTRICAL.
- NO LIGHT FIXTURES TO BE WITHIN AN AREA OF 460mm AROUND HOOD.
- LIGHT FIXTURES. (REFER TO ELECTRICAL DRAWINGS). NOTE: PROVIDE PERIMETER CLASSROOM LIGHTS ON SEPARATE SWITCH.
- MECHANICAL GRILLES & DIFFUSERS. (REFER TO MECHANICAL DRAWINGS).

Waterloo Region District School Board

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01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH
TRUE NORTH
scale AS NOTED

drawn MV
last worked on 2026.03.18 by MV
checked B.R.J.
print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

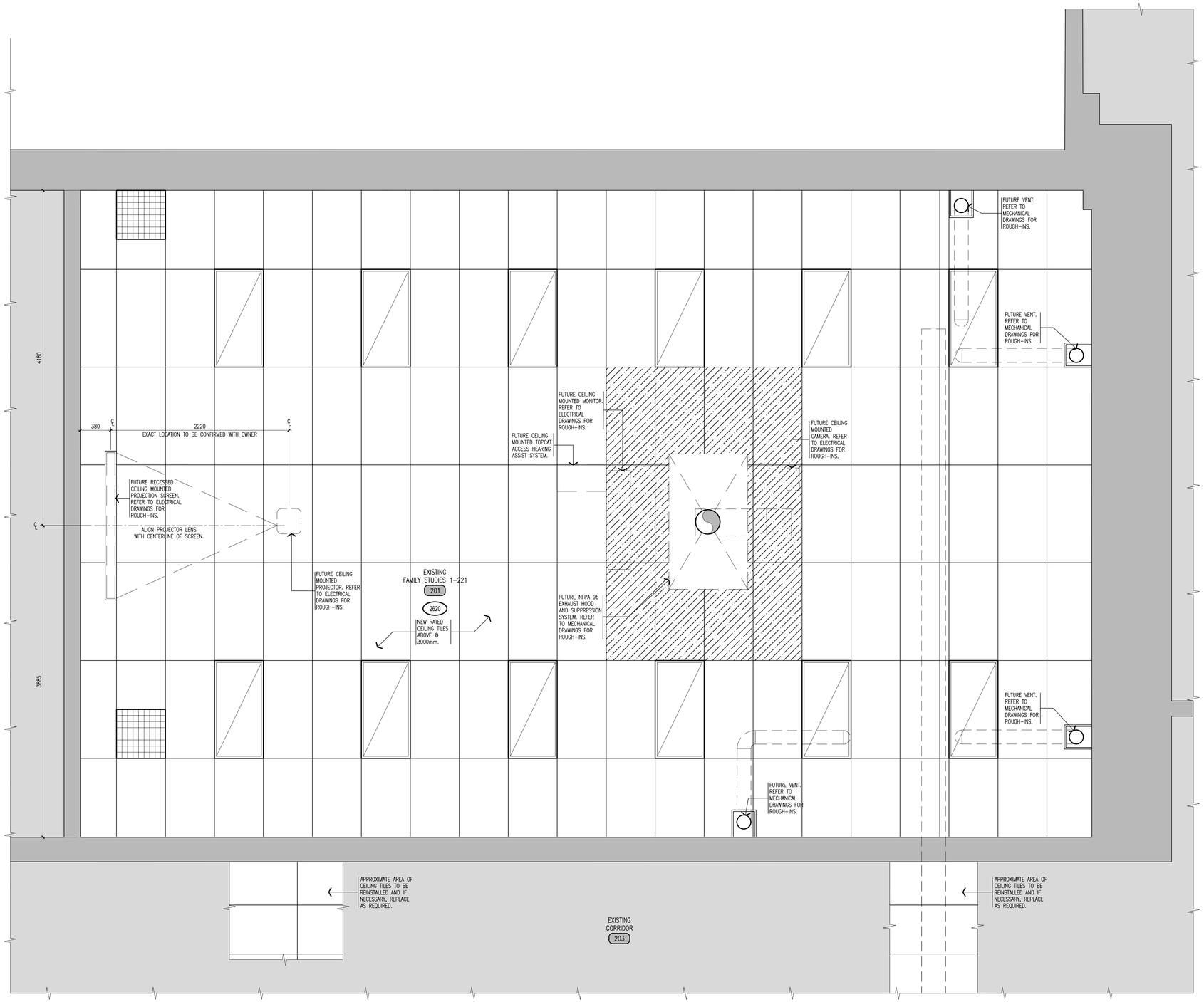
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
PARTIAL SECOND FLOOR RCP FAMILY STUDIES 1–220

reference

project no. 25–092
client reference number

sheet no. A-161 01



1 PARTIAL SECOND FLOOR REFLECTED CEILING PLAN
FAMILY STUDIES 1-221

scale: 1 : 25

GENERAL NOTES

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LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING AND NEW WALLS.
- ROOM NAME / 101 — ROOM NAME & NUMBER.
- ROOM NAME / 101 — EXISTING ROOM NAME & NUMBER.
- XXXX — CEILING ELEVATION MARKER ABOVE FINISHED FLOOR LEVEL
- NEW LAY-IN ACOUSTIC TILE CEILING & T-BAR SUSPENSION SYSTEM. MANUFACTURER: ARMSTRONG DUNE SQUARE LAY-IN 1851M COORDINATE WITH MECHANICAL AND ELECTRICAL.
- NO LIGHT FIXTURES TO BE WITHIN AN AREA OF 460mm AROUND HOOD.
- LIGHT FIXTURES. (REFER TO ELECTRICAL DRAWINGS). NOTE: PROVIDE PERIMETER CLASSROOM LIGHTS ON SEPARATE SWITCH.
- MECHANICAL GRILLES & DIFFUSERS. (REFER TO MECHANICAL DRAWINGS).

Waterloo Region District School Board

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01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH
TRUE NORTH
scale AS NOTED

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BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

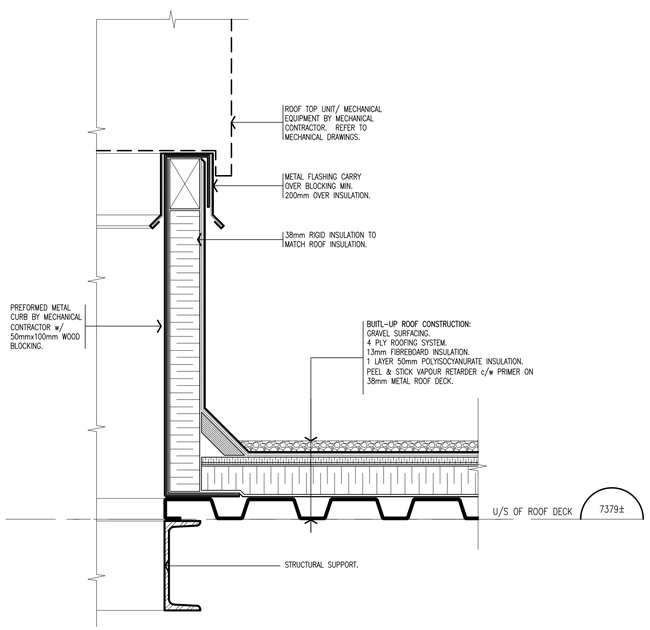
drawing title
PARTIAL SECOND FLOOR RCP FAMILY STUDIES 1-221

reference

project no. 25-092
client reference number

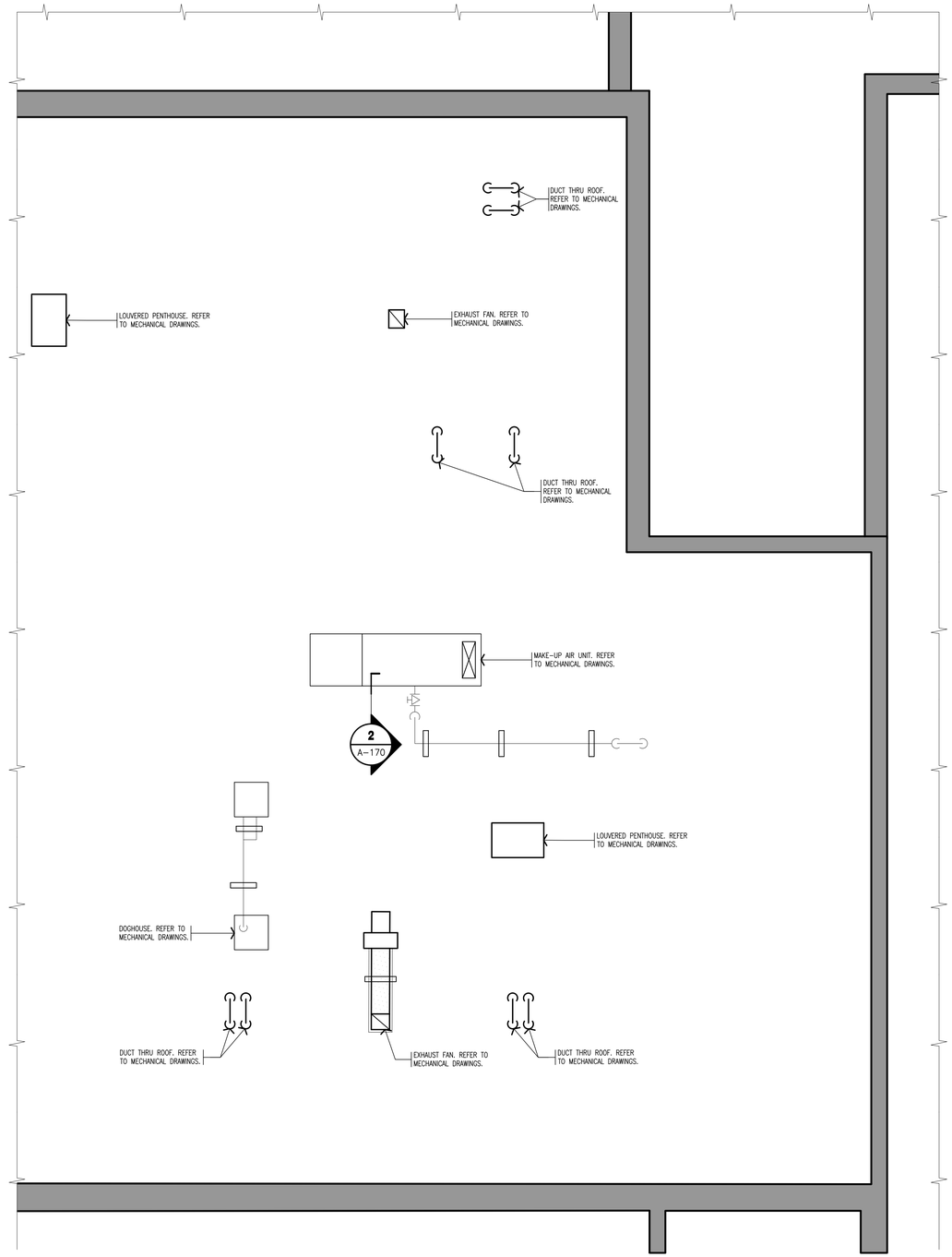
sheet no. A-162 01

1 RESERVED



2 ROOF CURB DETAILS

scale: 1 : 5



3 PARTIAL ROOF PLAN

scale: 1 : 25

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3. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL MECHANICAL ROOF TOP EQUIPMENT AND SERVICES.
4. COORDINATE ALL LOCATION OF OPENINGS FOR MECHANICAL UNITS AND ALL OTHER ROOF PENETRATIONS WITH STRUCTURAL DRAWINGS.

NOTE 1:

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LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING ROOF LINE
- EXISTING EQUIPMENT TO REMAIN. REFER TO MECHANICAL & ELECTRICAL DWGS.
- NEW EQUIPMENT. REFER TO MECHANICAL & ELECTRICAL DWGS.
- APPROXIMATE EXTENT OF ROOF MEMBRANE TIE-IN AT NEW ROOF PENETRATIONS AND PATCHES FOR REMOVED EQUIPMENT.
- NEW GAP PIPING/ CONDENSATE LINES. SEE MECHANICAL DWGS.

Waterloo Region District School Board

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01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH

TRUE NORTH

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BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

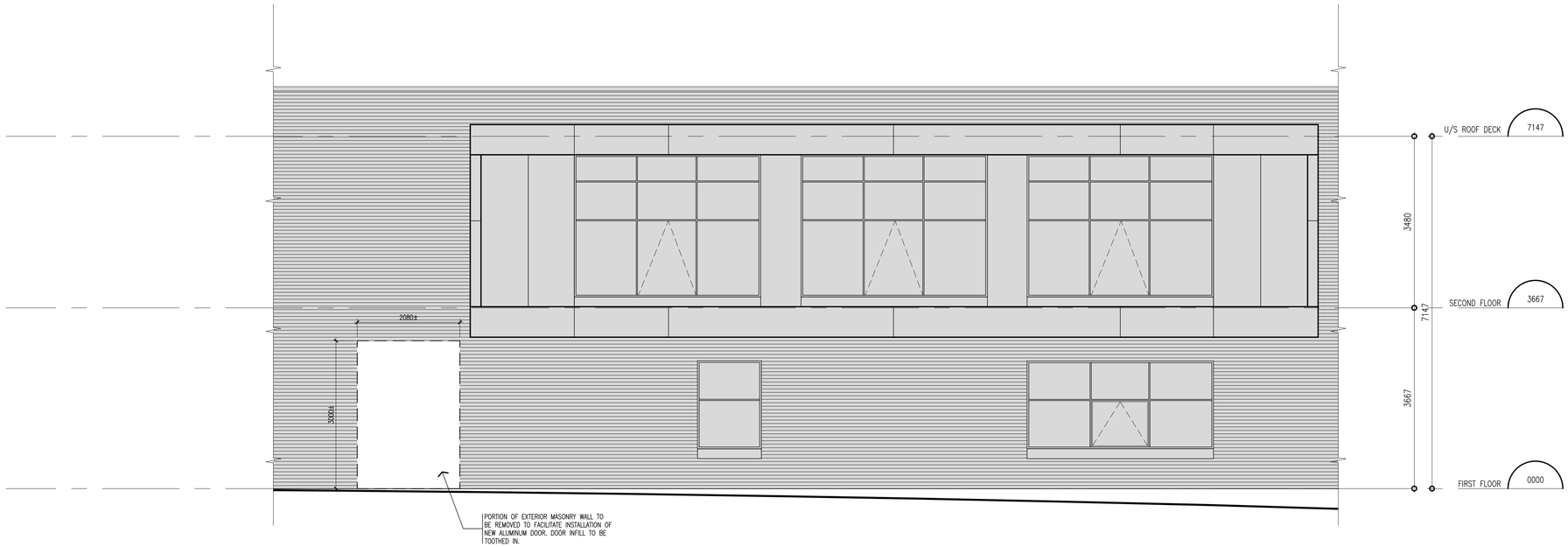
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
PARTIAL ROOF PLAN

reference

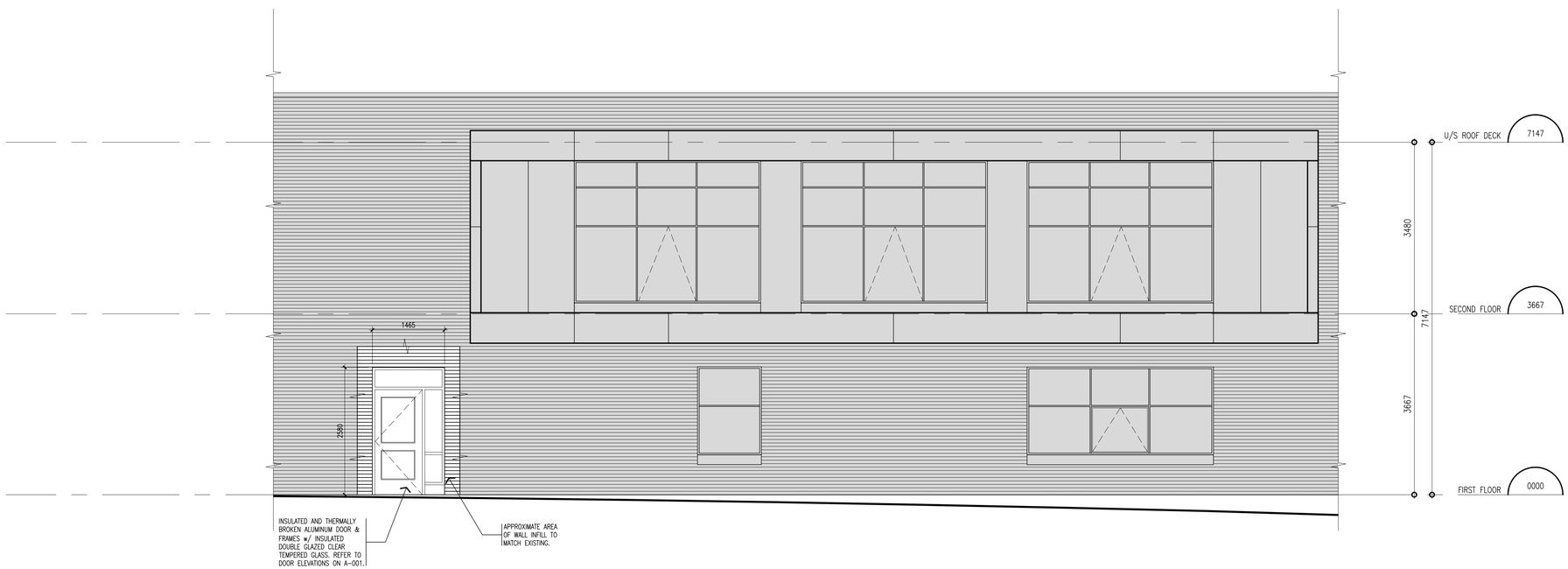
project no. 25-092
client reference number

sheet no. A-170 01



1 PARTIAL DEMOLITION EXTERIOR ELEVATION
ROSEMOUNT WING

scale: 1 : 50



2 PARTIAL RENOVATION EXTERIOR ELEVATION
ROSEMOUNT WING

scale: 1 : 50

NOTE 1:

THESE DRAWINGS ARE PREPARED WITH THE USE OF LINE TYPES, HATCH PATTERNS, COLOURS, AND NUMERICALLY DESIGNATED NOTES. COLLECTIVELY THESE REPRESENT THE FULL SCOPE OF WORK, WITH THE INTENT TO PROVIDE CLARITY. NOT ALL ITEMS MAY BE INDIVIDUALLY NOTED. IF ANYTHING IS AMBIGUOUS THE GENERAL CONTRACTOR IS TO ASK FOR CLARIFICATION AT THE TIME OF TENDER. FAILURE TO DO SO WILL LEAVE THE INTERPRETATION OF THE DRAWINGS TO THE ARCHITECT. THIS NOTE APPLIES TO ALL DRAWINGS.

NOTE 2:

THIS DRAWING CONTAINS THE USE OF COLOUR TO BETTER ILLUSTRATE AND DESCRIBE THE INTENT OF THE DRAWING BY HIGHLIGHTING LINE TYPES, HATCH PATTERNS, TEXT, DIMENSIONS, OR TONES. IT IS MANDATORY THAT THIS DRAWING BE PRINTED IN COLOUR FOR ITS USE. FAILURE TO DO SO WILL NOT RESULT IN ANY COMPENSATION FOR COSTS OR TIME LOST BY THE GC OR HIS/HER SUBTRADE DUE TO OMISSIONS, ERRORS, OR MISUNDERSTANDING OF THE FULL SCOPE OF THE WORK.

LEGEND

- APPROXIMATE AREA NOT IN CONTRACT SCOPE.
- EXISTING BRICK.
- NEW BRICK INFILL TO MATCH EXISTING.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH

TRUE NORTH

scale AS NOTED

drawn VA

last worked on 2026.04.08 by MV

checked B.R.J.

print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

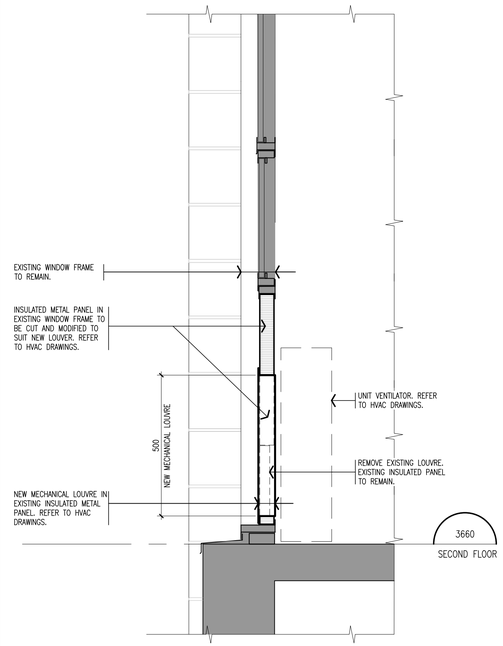
drawing title
EXTERIOR ELEVATIONS DEMOLITION & RENO

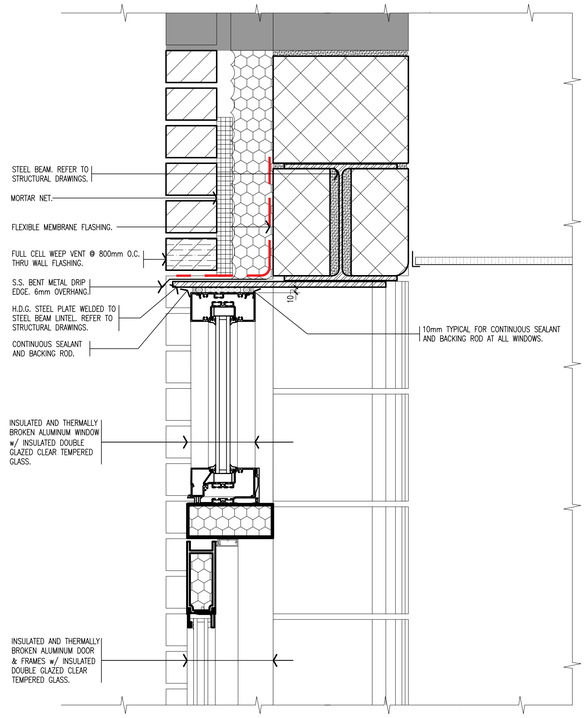
reference

project no. 25-092

client reference number

sheet no. A-200 01

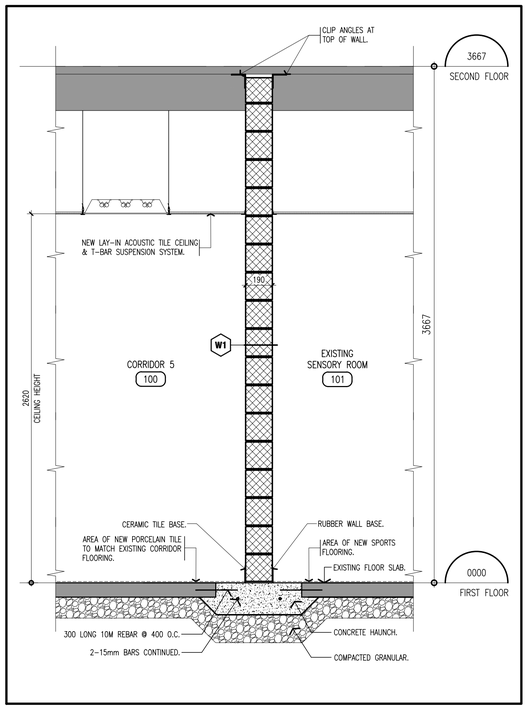




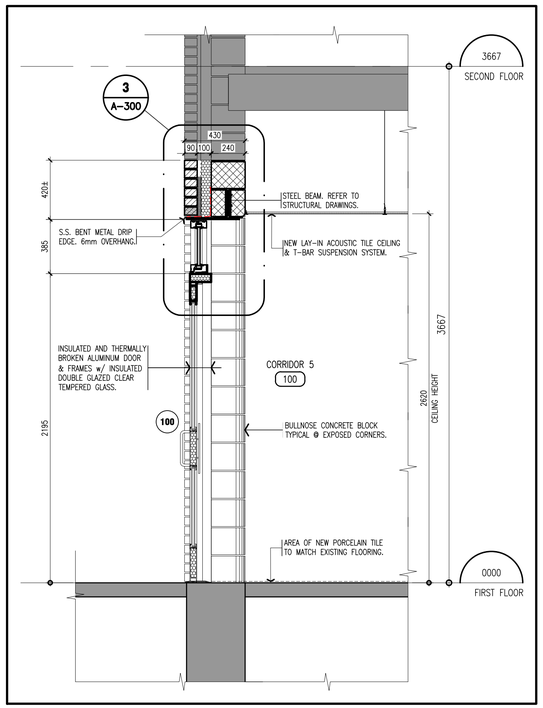
1 RESERVED

2 SECTION DETAIL AT NEW LOUVRE
scale: 1 : 10

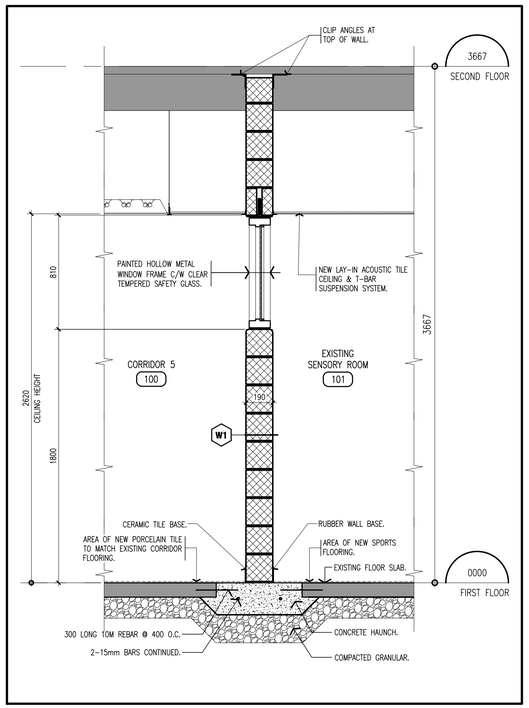
3 SECTION DETAIL AT EXTERIOR DOOR scale: 1 : 5



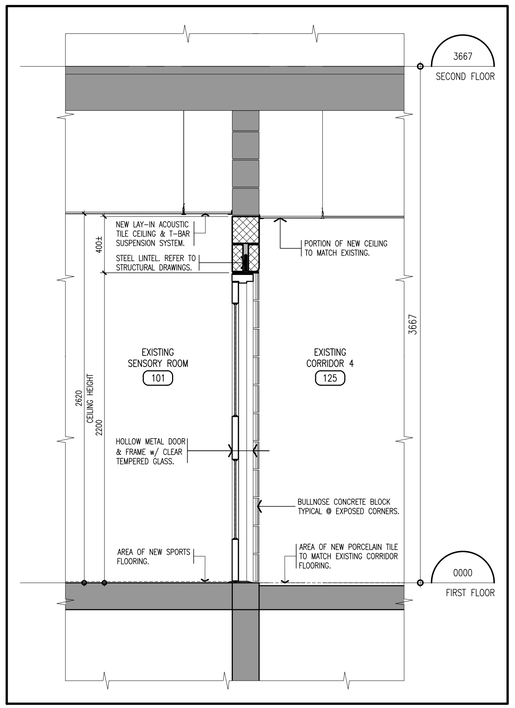
4 WALL SECTION THRU INTEROR WALL BETWEEN CORRIOR 5 & SENSORY ROOM scale: 1 : 20



5 WALL SECTION THRU ALUMINUM DOOR
scale: 1 : 20



6 WALL SECTION THRU CLERESTORY GLAZING BETWEEN CORRIOR 5 & SENSORY ROOM scale: 1 : 20



7 WALL SECTION THRU INTERIOR WALL BETWEEN SENSORY ROOM & CORRIDOR 4 scale: 1 : 20

Waterloo Region District School Board

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No.	EMBEDMENT REVISIONS	date
01	ISSUED FOR TENDER	2026.04.02

scale 1:20

drawn MV
last worked on 2026.04.08 by CMO
checked B.R.J.
print date 2026.04.02

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

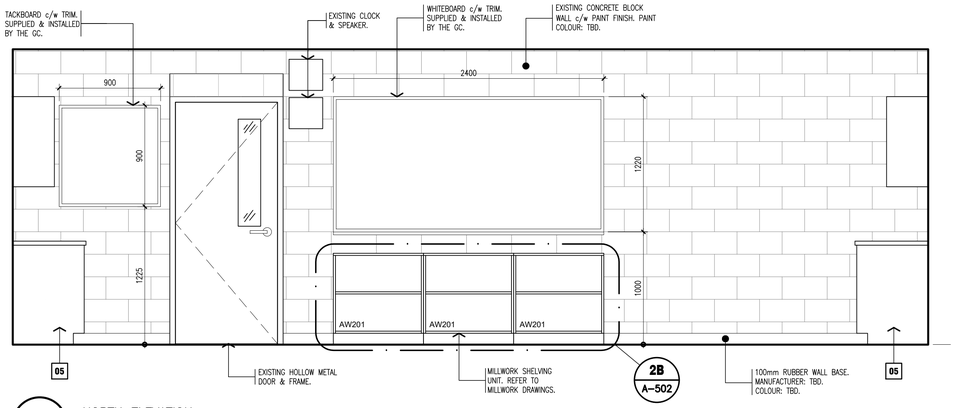
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
WALL SECTIONS & SECTION DETAILS

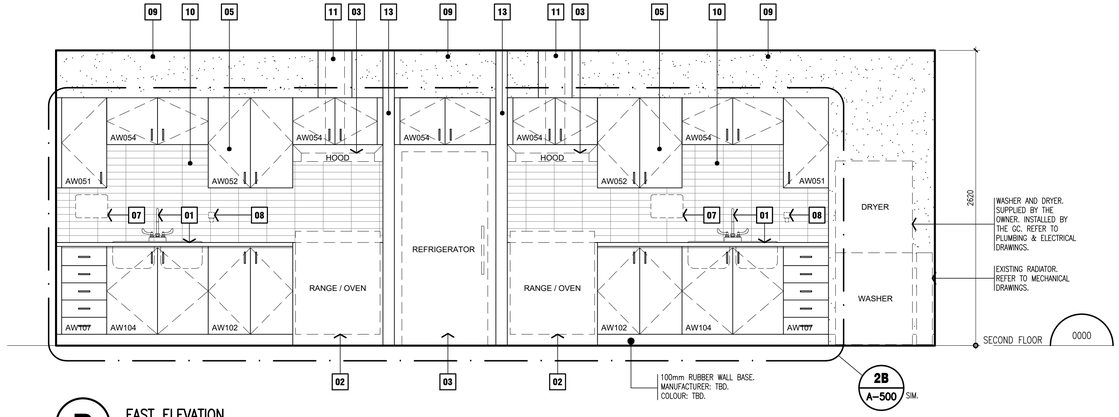
reference

project no. 25-092
client reference number

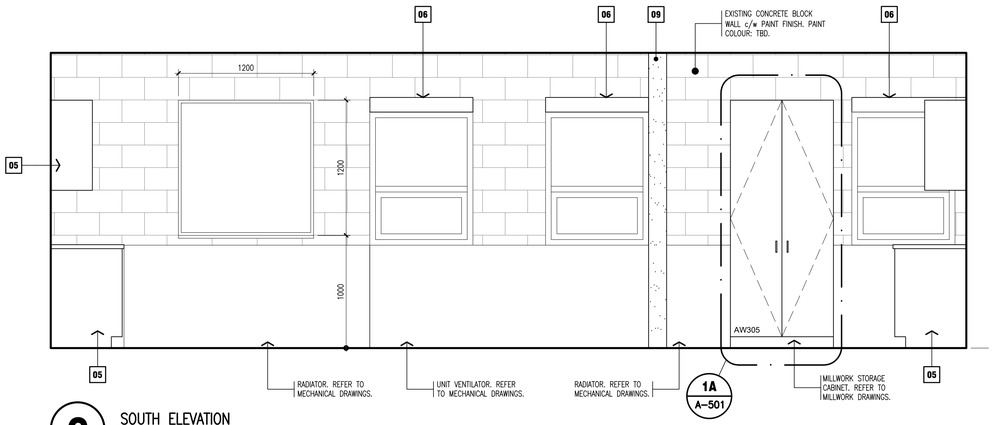
sheet no. A-300 00



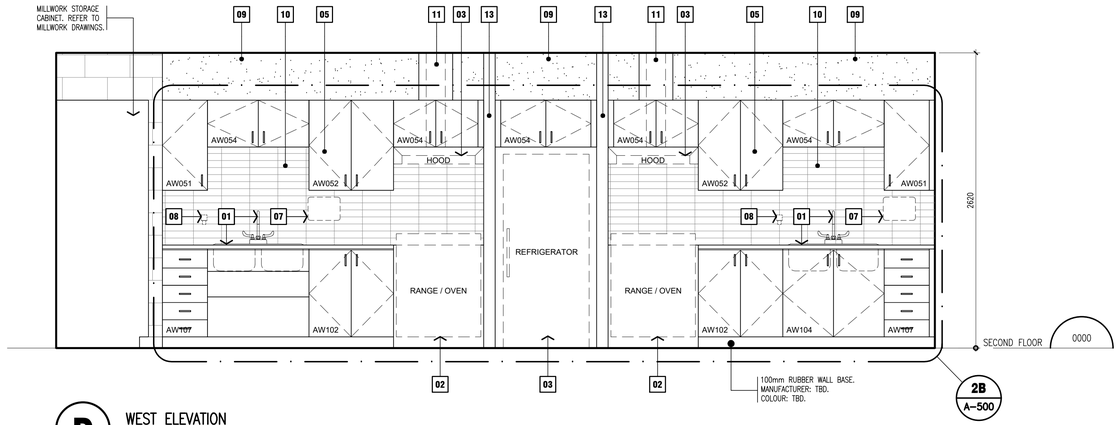
A NORTH ELEVATION



B EAST ELEVATION



C SOUTH ELEVATION



D WEST ELEVATION

1 INTERIOR ELEVATIONS – FAMILY STUDIES 1–220

scale: 1 : 50

DRAWING NOTES:

01 SINK & FAUCET. SUPPLIED & INSTALLED BY GC. REFER TO PLUMBING DRAWINGS.

02 RANGE-OVEN. SUPPLIED BY THE OWNER. INSTALLED BY GC. REFER TO MECHANICAL & ELECTRICAL DRAWINGS.

03 FAN HOOD. REFER TO MECHANICAL & ELECTRICAL DRAWINGS.

04 FRIDGE. SUPPLIED BY THE OWNER. INSTALLED BY GC. REFER TO ELECTRICAL & PLUMBING DRAWINGS.

05 MILLWORK COUNTER & UPPERS c/w UNDER-CABINET LIGHTING. REFER TO MILLWORK DRAWINGS.

06 MANUAL ROLLING BLINDS c/w 1% OPEN WEAVE FLAME RETARDANT FABRIC AT EACH EXISTING WINDOW. SUPPLIED & INSTALLED BY THE GC.

07 PAPER TOWEL DISPENSER. SUPPLIED BY OWNER. INSTALLED BY GC.

08 SOAP DISPENSER. SUPPLIED BY OWNER. INSTALLED BY GC.

09 GYPSUM BOARD c/w PAINT FINISH. PAINT COLOUR: TBD.

10 CERAMIC TILE. REFER TO FLOOR FINISH PLAN.

11 DUCT ENCLOSURE. REFER TO MILLWORK DRAWINGS.

12 MECHANICAL LOUVRE. REFER TO MECHANICAL DRAWINGS.

13 STAINLESS STEEL U GUARD.

LEGEND

NEW MILLWORK.

EQUIPMENT. SUPPLIED BY THE OWNER. INSTALLED BY THE GENERAL CONTRACTOR.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH

TRUE NORTH

scale AS NOTED

drawn MV
last worked on 2026.04.06 by MV
checked B.R.J.
print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

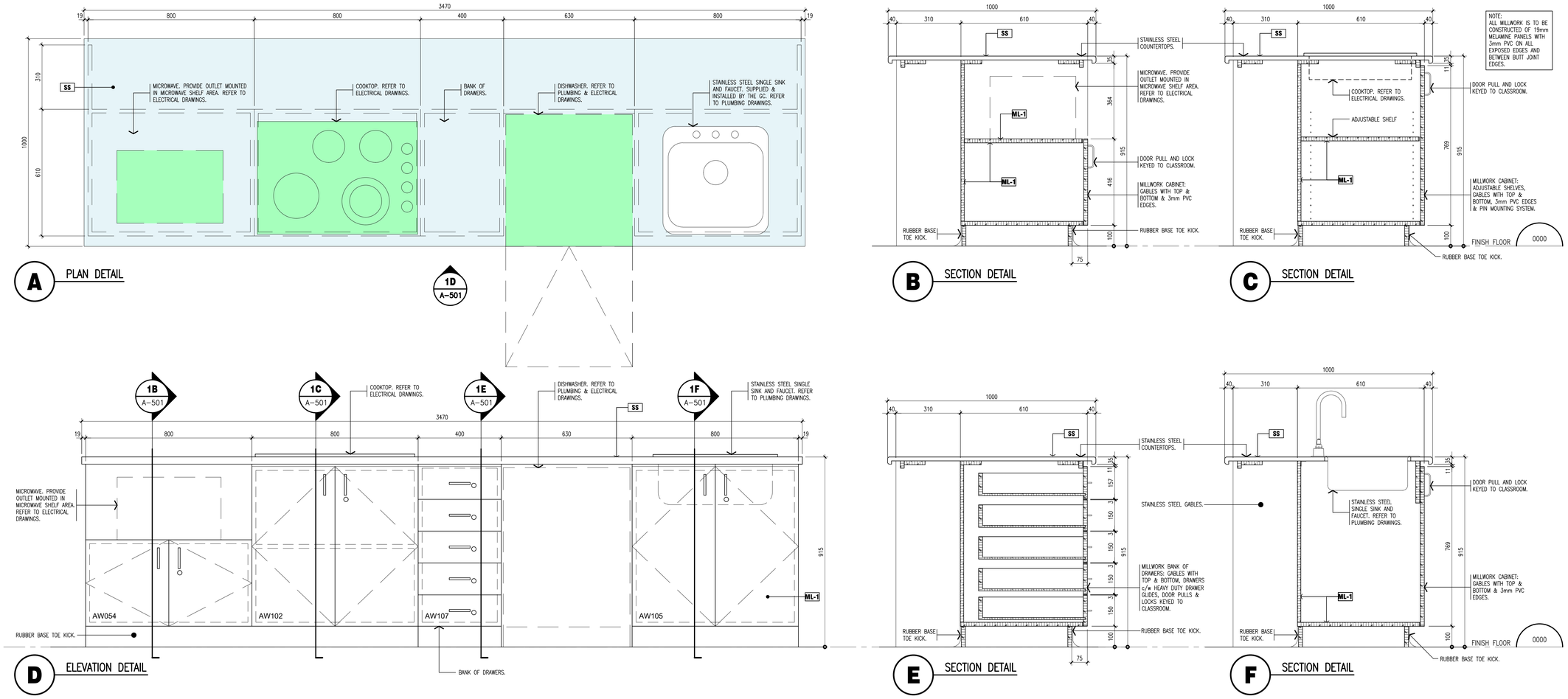
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
SECOND FLOOR INTERIOR ELEVATIONS

reference

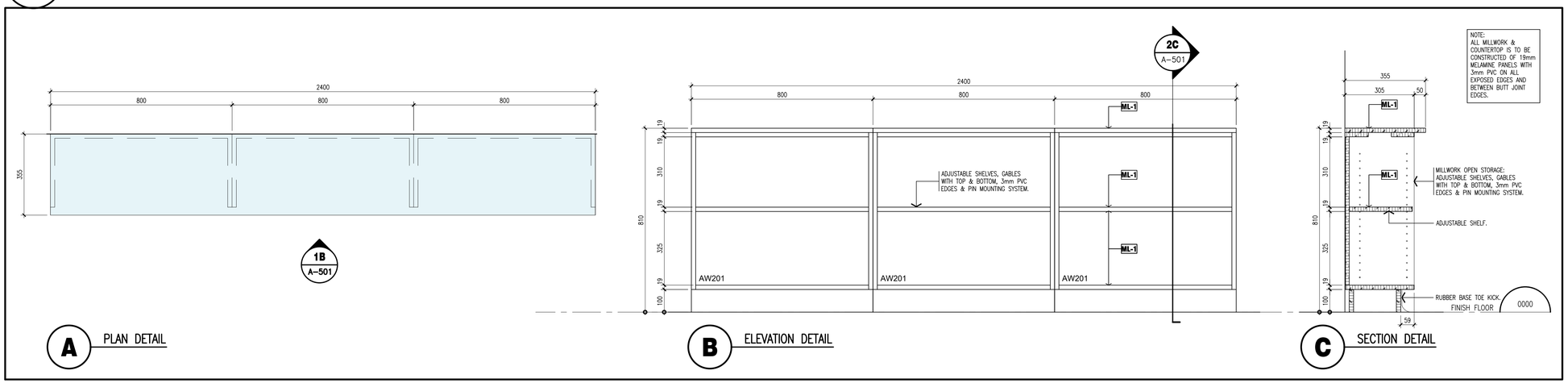
project no. 25-092
client reference number

sheet no. A-500 01



1 MILLWORK DETAILS – DEMONSTRATION STATION

scale: 1 : 10



2 MILLWORK DETAILS – SHELVING UNIT

scale: 1 : 10

LEGEND

NEW MILLWORK.

EQUIPMENT. SUPPLIED BY THE OWNER, INSTALLED BY THE GENERAL CONTRACTOR.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH

TRUE NORTH

scale AS NOTED

drawn	MV
last worked on	2026.03.17 by MV
checked	B.R.J.
print date	2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
MILLWORK DETAILS

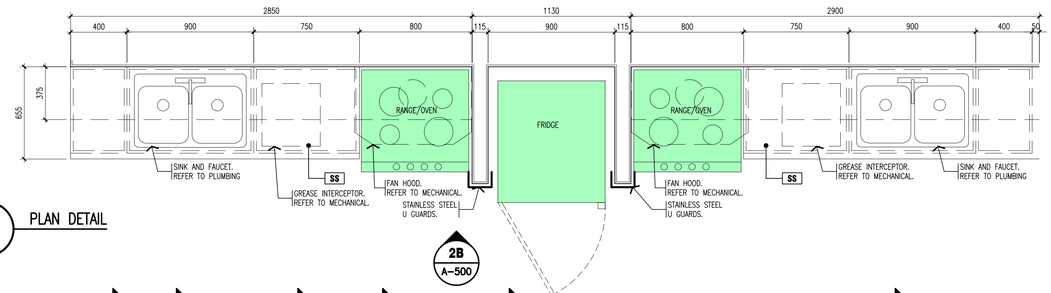
reference

project no. 25–092

client reference number

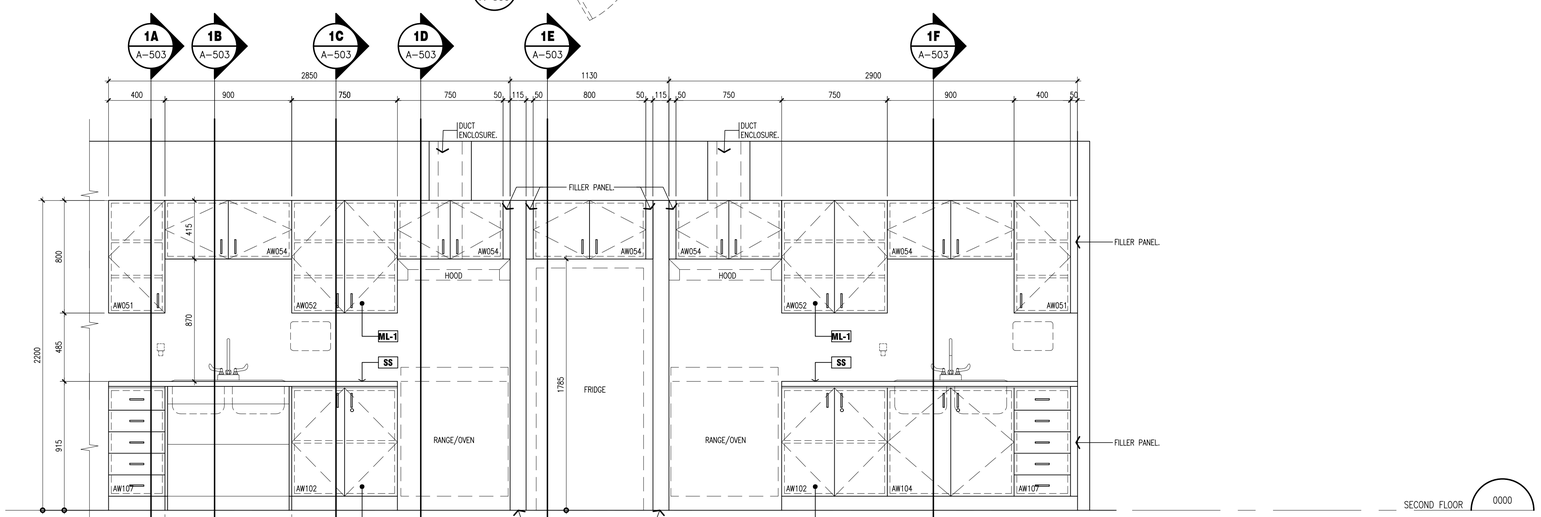
sheet no. A-501 01

1 RESERVED



A PLAN DETAIL

NOTE:
ALL MILLWORK IS TO BE CONSTRUCTED OF 19mm MELAMINE PANELS WITH 3mm PVC ON ALL EXPOSED EDGES AND BETWEEN BUTT JOINT EDGES. COUNTERTOPS ARE TO BE STAINLESS STEEL.



B PLAN DETAIL

2 MILLWORK DETAILS – COUNTER & UPPERS
FAMILY STUDIES 1–220

scale: 1 : 20

LEGEND

NEW MILLWORK.

EQUIPMENT.
SUPPLIED BY THE OWNER.
INSTALLED BY THE GENERAL CONTRACTOR.

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH
TRUE NORTH
scale AS NOTED

drawn MV
last worked on 2026.04.02 by MV
checked B.R.J.
print date 2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

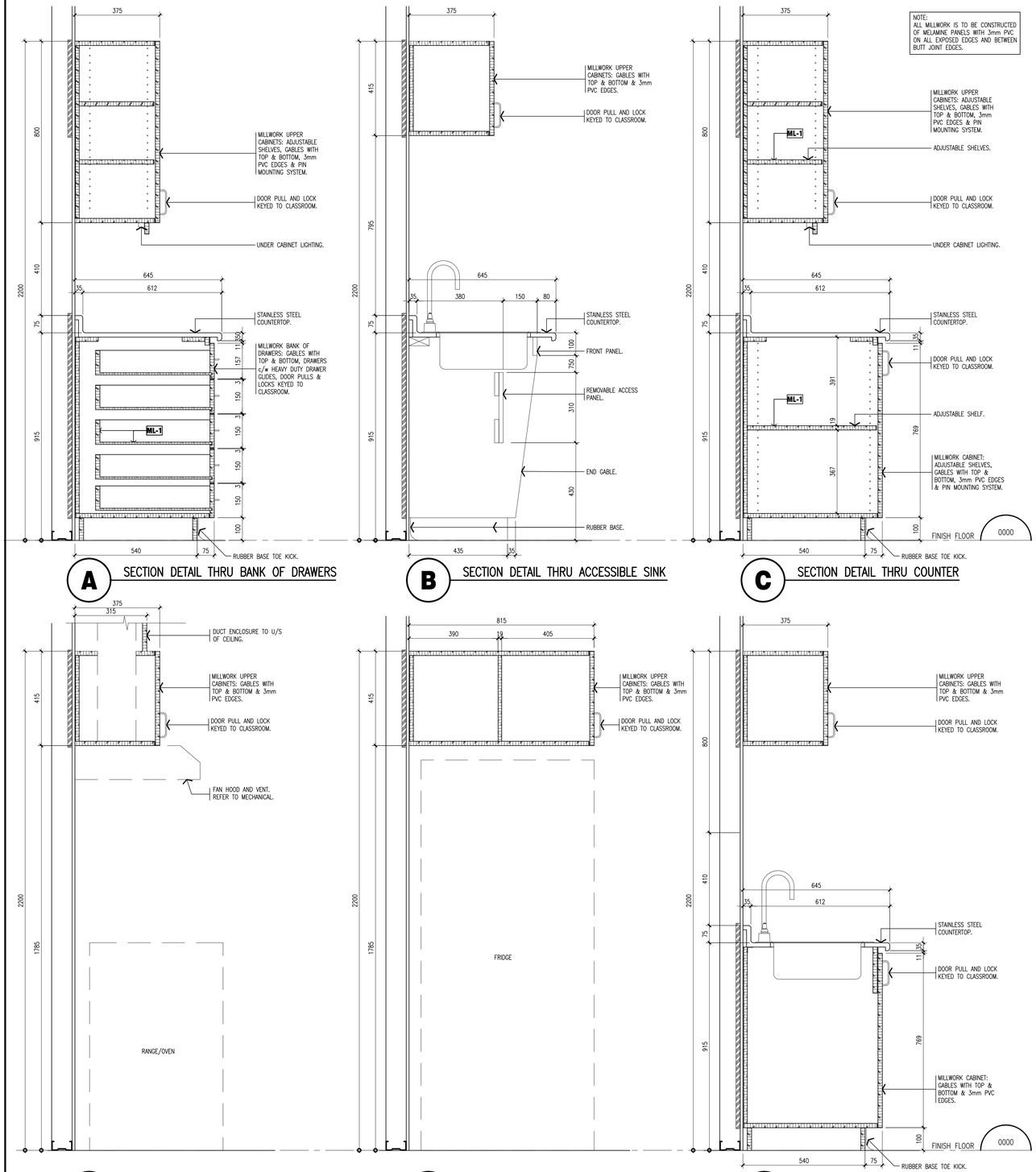
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
INTERIOR ELEVATIONS & MILLWORK DETAILS

reference

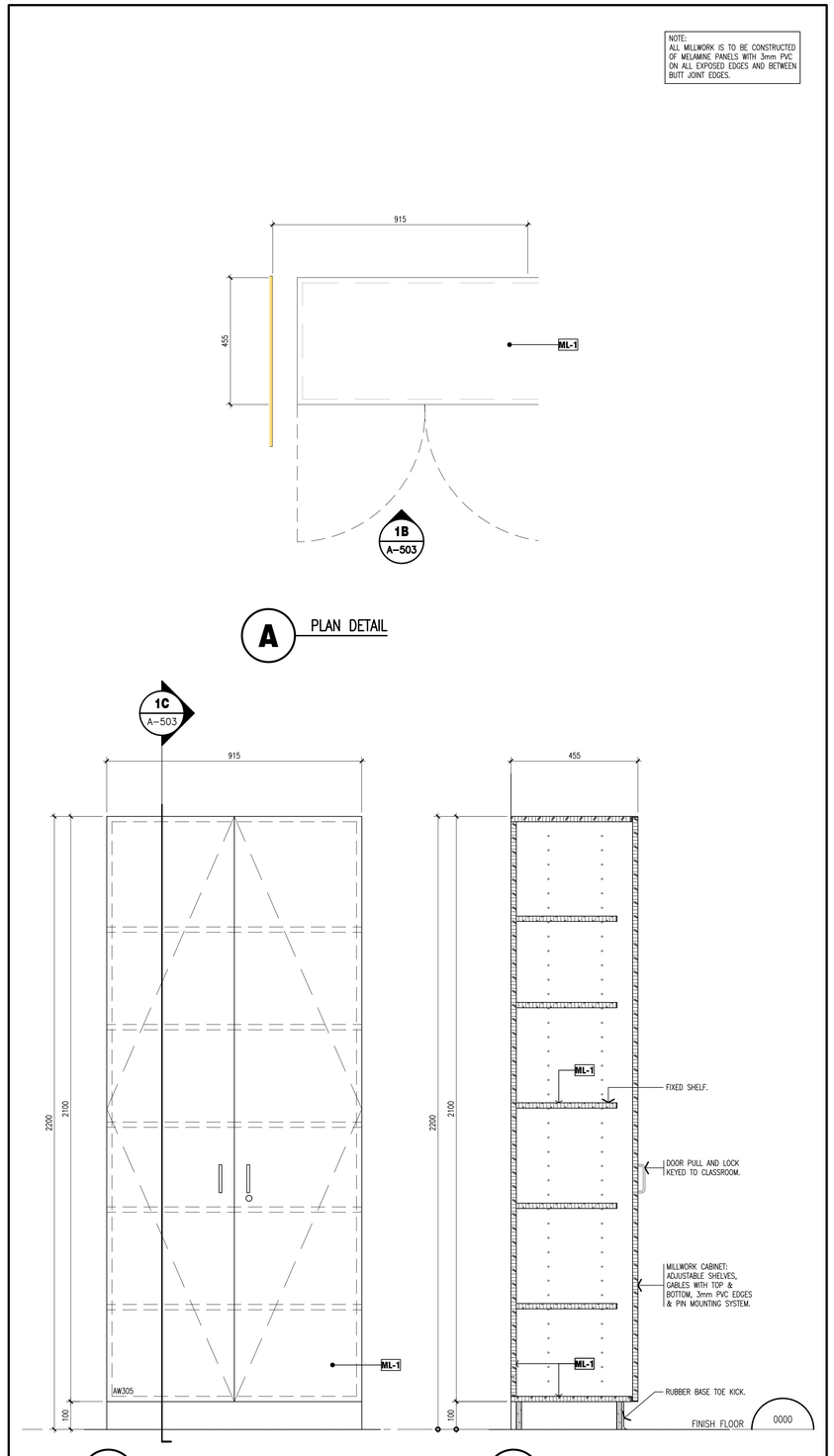
project no. 25–092
client reference number

sheet no. A-502 01



1 MILLWORK DETAILS – KITCHNEN STATIONS SECTIONS

scale: 1 : 10



2 MILLWORK DETAILS – STORAGE CABINET

scale: 1 : 10

Waterloo Region District School Board

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No.	REVISIONS	date
01	ISSUED FOR TENDER	2026.04.08

PROJECT NORTH

TRUE NORTH

scale AS NOTED

drawn	VA
last worked on	2026.04.02 by MV
checked	B.R.J.
print date	2026.04.08

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

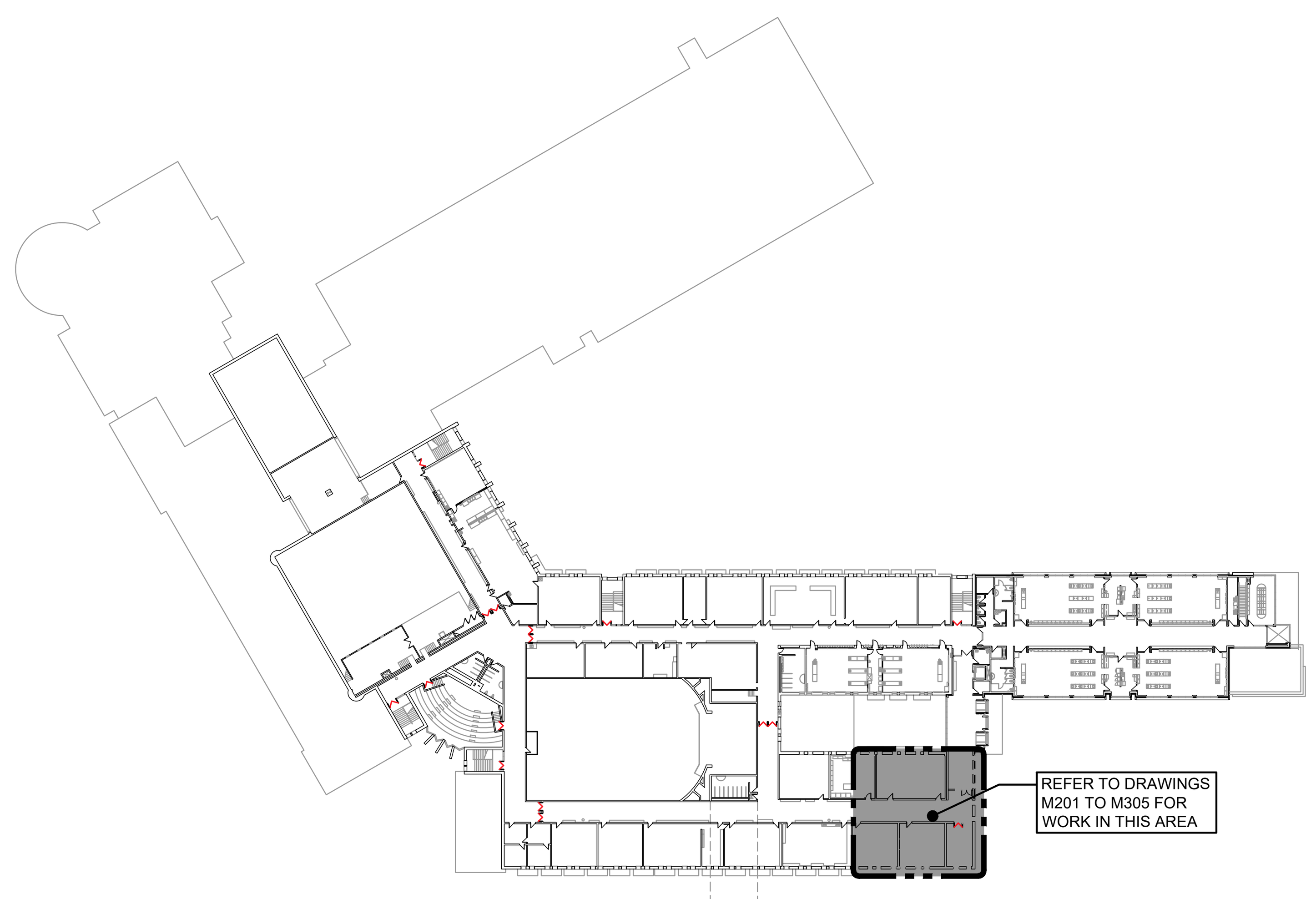
drawing title
MILLWORK DETAILS

reference

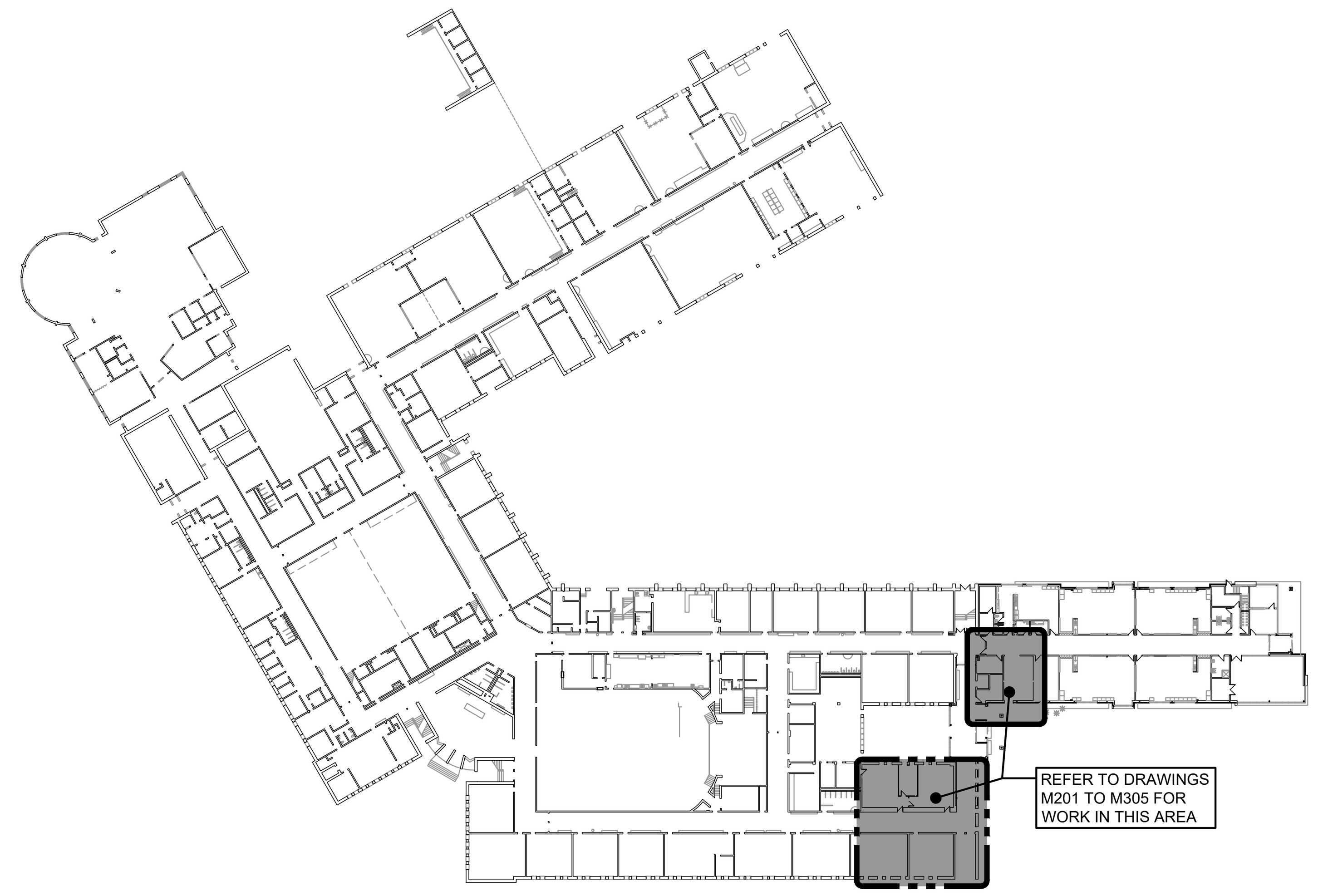
project no. 25-092

client reference number

sheet no. A-503 01



SECOND FLOOR



FIRST FLOOR

KEY PLAN
SCALE: N.T.S.

MECHANICAL LEGEND

Item	Description	Item	Description	Item	Description
	ITEM TO BE REMOVED		PIPE DOWN		ACOUSTIC DUCT LINING
	CUT EXISTING & CONNECT NEW PIPING		PIPE UP		THERMAL INSULATION
	FLOW DIRECTION		FLEXIBLE CONNECTION		BRANCH LINE SPIN-IN COLLAR C/W BALANCING DAMPER
	POTABLE COLD WATER		REDUCER/INCREASER	BD	BALANCING DAMPER
	POTABLE HOT WATER		UNION	BDD	BACKDRAFT DAMPER
SAN-EX	EXISTING SAN ABOVE FLOOR		STRAINER	OBD	OPPOSED BLADE DAMPER
SAN-EX	EXISTING SAN BELOW FLOOR	VB	VACUUM BREAKER		MOTORIZED DAMPER
SAN	SANITARY ABOVE FLOOR		SCREWED OR WELDED PIPE CAP	FD	FIRE DAMPER
SAN	SANITARY BELOW FLOOR		PLUG VALVE	FSD	FIRE/SMOKE DAMPER
CD	CONDENSATE DRAIN		BALL VALVE		RECTANGULAR DUCTWORK
V	VENT	AV	AIR VENT		RIGID ROUND DUCT
SP	SPRINKLER		VALVE ON RISER		FLEXIBLE ROUND DUCT
HWS	HEATING WATER SUPPLY	BV	BALANCING VALVE	A	ACOUSTICAL, FLEXIBLE ROUND DUCT
HWR	HEATING WATER RETURN	TCV	2-WAY TEMPERATURE CONTROL VALVE	Type Size Capacity	DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
G	NATURAL GAS	TCV	3-WAY TEMPERATURE CONTROL VALVE	Type Size Size / cfm Capacity	HYDRONIC HEATING SIZE, TYPE & CAPACITY
RL	REFRIGERANT LIQUID	FEC	RECESSED CABINET MOUNTED FIRE EXTINGUISHER	AD	ACCESS DOOR
RS	REFRIGERANT SUCTION	FE	WALL MOUNTED FIRE EXTINGUISHER	EXP	EXPANSION JOINT
FD	FLOOR DRAIN	FB	FIRE BLANKET IN CABINET MOUNTED ON WALL	RIC	RETURN IN CABINET
P	TRAP PRIMER	G T	THERMOSTAT (WITH GUARD WHERE INDICATED)	AFF	ABOVE FINISHED FLOOR
CO	FLOOR CLEANOUT	G C	CO2 SENSOR (WITH GUARD WHERE INDICATED)	AFR	ABOVE FINISHED ROOF
CO	LINE CLEANOUT		TURNING VANES	PRD	PRESSURE RELIEF DOOR
	TEE CONNECTION		SUPPLY AIR DUCT	EX	EXISTING DUCT (SIZE AS INDICATED)
			RETURN/EXHAUST AIR DUCT		TRANSFER DUCT (SIZE AS INDICATED)

GENERAL NOTES

- ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED SPECIFICATION.
- THIS CONTRACTOR SHALL TRACK REVISIONS ON SITE AND SUBMIT AS-BUILTS TO CONSULTANT TO DIGITIZE. REFER TO SPECIFICATIONS 21 02 51, 22 02 51 & 23 02 51.
- 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 MIN 14'-0" FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- WHERE DUCTWORK PENETRATES CORRIDOR WALL, CENTER DUCT(S) BETWEEN OWSJ.
- CONTRACTOR TO LOCATE ISOLATION VALVES / FREEZE PIPING / OR OTHERWISE DRAIN SYSTEMS TO ALLOW PROPOSED WORK TO PROCEED. REFILL SYSTEMS AS INDICATED.
- REFER TO SPECIFICATIONS FOR CONFORMANCE REQUIREMENTS.

MAKE-UP UNIT SCHEDULE

*ESP IS EXTERNAL TO THE CABINET

Item	Type	Supply Air Fan Data				Electrical Data				HEATING		Manufacturer	Model	Weight (lbs) (approx.)	Remarks
		Service	Capacity cfm	Size hp	ESP in wc	Voltage	MCA	MOCP	Outdoor Air %	Medium	Heating Input (MBH)				
MUA-3	OUTDOOR MAKE UP AIR	EXISTING FAMILY STUDIES 1-220	1609	1.5	2.21"	208/3/60	6.38	15	100%	GAS	200	SPRING AIR	SFT10-IGOD-1	1000±	C/W MOTOR RATED FOR VFD (DEMAND VENTILATION TRUFLOW), 600mm HIGH ROOF CURB

1. ACCEPTABLE MANUFACTURERS: SPRING AIR/GARLAND/GAYLORD/GREENHECK

NFPA 96 EXHAUST HOOD SCHEDULE

Item	Type	Capacity cfm	SP in wc	Dimensions (inches)	Manufacturer & Model	Remarks
NFPA 96 EXHAUST HOOD (NFPA-1)	BOX CANOPY FILTER HOOD	847	0.46	42" L x 54" W	SPRING AIR FD-BR-MB-3.50/4.5	ISLAND STYLE C/W S.S. SHROUD/EXTENSION UP THRU CEILING (No. 4 FINISH) AND DUCT COLLAR. PROVIDE LIGHT AS SPECIFIED. PROVIDE REGULATED RELEASE FOR REMOTE SUPPRESSION SYSTEM INSTALLATION.

1. ACCEPTABLE MANUFACTURERS: SPRING AIR/GARLAND/GAYLORD/GREENHECK

GRILLE SCHEDULE

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

Item	Type	Equalizing Grid	Volume Damper	Acceptable Manufacturer	Description
R1	CEILING RETURN GRILLE (NON-DUCTED)	NO	NONE	EH PRICE 80-CH	1/2x1/2x1/2 ALUMINUM EGGCRATE CORE, C/W CHANNEL BORDER FOR LAY-IN T-BAR CEILING.
R2	EXHAUST GRILLE (DUCTED)	NO	NONE	EH PRICE 80-FA	1/2x1/2x1/2 ALUMINUM EGGCRATE CORE, C/W 1 1/4" FLAT BORDER & SCREWED FASTENING FOR SURFACE MOUNTING.

GENERAL GRILLE SCHEDULE NOTES:

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

LOUVERED PENTHOUSE SCHEDULE

No.	Type	CFM	SP	Throat in.	Dimensions (LxWxH) in.	# of Louvers	Remarks
PH-1	EXHAUST	1200	0.03	44X12	52X20X44	2	MITRED CORNERS, STORMPROOF BLADES. PROVIDE ROOF CURB HEIGHT SUCH THAT BOTTOM LOUVER IS 36" AFR

GENERAL LOUVERED PENTHOUSE SCHEDULE NOTES:

1. STATIC PRESSURE 0.03
2. PROVIDE 900mm (36") HIGH ROOF CURB.

PLUMBING FIXTURE SCHEDULE

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

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 CLASSROOM SINGLE SINK	15	15		40	32	KINDRED LBS6808-1/3 NOVANNI 1017I	SINK: SINGLE COMPARTMENT, LEDGE-BACK. FROM 1.0 mm (20 GAUGE) THICK TYPE 302 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 520 mm X 510 mm X 200 mm (20½" X 20" X 8").	DELTA 26T3944-R7 ZURN Z871B4 MOEN COMMERCIAL 8285 & S0030	FAUCET: CHROME PLATED BRASS, WITH 10" GOOSENECK SWING SPOUT, AERATOR, LEVER HANDLES, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 5.7 l/min (1.5 gpm) AT 413 kPa (60 psi).		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.
DS-1	STAINLESS STEEL DOUBLE SINK	15	15		40	32	KINDRED LBD6408-1/3 NOVANNI 2007I	SINK: DOUBLE COMPARTMENT, LEDGE-BACK. FROM 1.0 mm (20 GAUGE) THICK TYPE 302 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 790 mm X 520 mm X 200 mm (31½" X 20 3/4" X 8").	DELTA 26T3944-R7 ZURN Z871B4 MOEN COMMERCIAL 8285 & S0030	FAUCET: CHROME PLATED BRASS, WITH 10" GOOSENECK SWING SPOUT, AERATOR, LEVER HANDLES, WASHERLESS CONTROLS, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 5.7 l/min (1.5 gpm) AT 413 kPa (60 psi).		WASTE FITTING: INTEGRAL STAINLESS STEEL BASKET STRAINER/STOPPER, TAILPIECE, CAST BRASS P-TRAP WITH CLEANOUT.
WS-1	WASHER SUPPLY VALVE	15	15				WATTS DWB ZURN WM2961 DELTA	ENCASED WASHING MACHINE VALVE COMPLETE WITH SINGLE LEVER HANDLE VALVE, HEAVY-DUTY MOUNTING STRAPS, KNOCKOUTS FOR A RIGHT OR LEFT MOUNTING, AND A TAILPIECE THAT ADAPTS EASILY TO EITHER ABS OR PVC STANDPIPE.				
FD-1	FLOOR DRAIN				NOTED	40	ZURN ZN415B MIFAB F1100-C CONTOUR C2000-R6 WATTS FD-100-C-A	GENERAL DUTY CAST IRON BODY, ADJUSTABLE HEAD, NICKEL BRONZE STRAINER, INTEGRAL SEEPAGE PAN, AND CLAMPING COLLAR. USE SQUARE STRAINER IN TILED AREAS AND ROUND STRAINER ELSEWHERE. C/W TRAP PRIMER				

Waterloo Region District School Board

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Website: deiassociates.ca
Project Number: 26092

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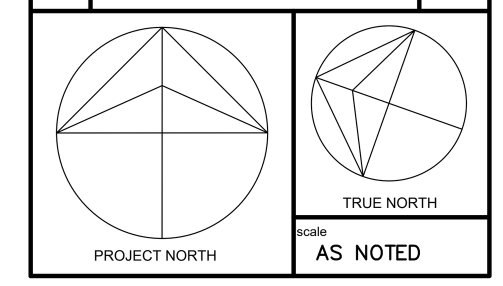

scale: AS NOTED

LICENSED PROFESSIONAL ENGINEER
10 Apr 26
M.B. WHITE
100149074
PROVINCE OF ONTARIO

drawn: AP
last worked on: 2026.03.17 by: AP
checked: SO
print date: 4.10.2026

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
KEY PLAN, LEGEND & SCHEDULES

reference

project no. 25-092
client reference number

sheet no. M101 00

UNIT VENTILATOR SCHEDULE

Item	Type	Capacity		Min.OA Position (CFM)	SP in. wc	Size hp	Heating						Cooling			Electrical			Manufacturer	Model	Remarks
		tons	cfm				Medium	Coil Rows	EWT °F	LWT °F	Capacity MBH	GPM	Medium	Total Cap Mbh	Sens. Cap Mbh	Voltage	MCA	MOCP			
UV-1-220	HORIZONTAL UNIT VENTILATOR	4.0	1500	150	0.3	1/3	WATER	2	150	130	88.8	10.3	WATER	51.6	35.2	120/1/60	6.3	15	DAIKIN	UAVS9-H15	ECM MOTOR, FACE & BYPASS HEATING COIL, 2-WAY VALVE AT HEATING COIL, FACE & BYPASS WITH MODULATING 2-WAY TCV FOR COOLING COIL, 21-7/8" DEEP CABINET WITH 250mm INSULATED REAR CHASE, DIGITAL READY CONTROLS PACKAGE, REAR OA INTAKE DUCT COLLAR, DUCT SLEEVE, TWO (2) FULL-DEPTH END PANELS (CUT-OUTS TO BE COMPLETED ON SITE TO SUIT DRAFTSTOP DOWNDRAFT PROTECTION FEATURE & PIPING TUNNEL) C/W MOUNTING HARDWARE & KICKPLATE (CONFIRM CUT-OUTS WITH MANUFACTURER), BOTTOM FRONT RA INLET GRILLE & DRAFTSTOP DOWNDRAFT PROTECTION RA INLET, UNIT MOUNTED DISCONNECT (INSIDE ENCLOSURE), HEATING COIL FREEZESTAT (FACTORY INSTALLED & WIRED), ADJUSTABLE LEG LEVELLERS, PUTTY BEIGE CABINET COLOUR. TAMPER-RESISTANT FASTENERS ON ALL ACCESS DOORS, REPLACEMENT FILTERS , SECONDARY OVERFLOW DRAIN CONNECTION FOR CONDENSATE PAN, SET FAN TO MEDIUM SPEED. PROVIDE A DECORATIVE EXTERIOR ALUMINUM WALL GRILLE CONSTRUCTION OF HEAVY GAUGE ALUMINUM W/ RECTANGULAR PUNCHED HOLES TO MATCH LOUVER BLADES SPACING (2" LOUVER BLADE SPACING) TO MAXIMIZE THE AIR OPENING. PROVIDE EXTENDED BASE TO ENSURE TOP OF UNIT VENTILATOR IS FLUSH WITH TOP OF ADJACENT MILLWORK.

* ACCEPTABLE MANUFACTURERS: DAIKIN, TRANE, ENGINEERED AIR

NOTE: CONTRACTOR RESPONSIBLE TO PROVIDE TEMPORARY HEAT IN ROOMS (TO SATISFACTION OF OWNER & CONSULTANT) IF UNIT VENTILATORS ARE NOT INSTALLED IN TIME FOR HEATING SEASON. EXISTING UNITS CAN REMAIN IN PLACE UNTIL NEW UNITS DELIVERED TO SITE.

SHOP DRAWING SUBMISSION/UNIT DELIVERY REQUIREMENTS

- SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONSULTANT WITHIN ONE (1) WEEK OF AWARD OF CONTRACT.
- SHOP DRAWINGS SHALL BE REVIEWED/RETURNED BY THE CONSULTANT WITHIN ONE (1) WEEK OF SUBMISSION.
- CONTRACTOR TO ORDER EQUIPMENT FROM MANUFACTURER IMMEDIATELY UPON RETURNED/APPROVED SHOP DRAWINGS.

FAN SCHEDULE

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		Acceptable Manufacturer	Remarks
					hp	Voltage		
EF-1	RANGEHOOD (DUCTED)	240	0.2	3 SPD	Fhp	120/1/60	BROAN BKDF130SS	CONTOURED STEEL HOUSING, FULLY ENCLOSED BOTTOM, TOP DISCHARGE, CENTIFUGAL BLOWER WHEELS, WASHABLE ALUMINUM FILTERS, 3 SPEED BLOWER CONTROL, PROVIDE 2 LEVEL LED LIGHTING. STAINLESS STEEL OR COLOUR SELECTED BY CONSULTANT.
EF-5	ROOF EXHAUST FAN (KITCHEN NFPA 96 HOOD)	1061	0.85	1725	0.50	208/3/60	COOK 135 CPA VF	OUTDOOR CENTRIFUGAL UTILITY BLOWER WITH 16 GA HOUSING, BACKWARD INCLINED FAN, BELT DRIVE, VERTICAL UPWARD DISCHARGE, C/W MOTOR COVER SUITABLE FOR OUTDOOR INSTALLATION, GREASE TRAP, 12 IN INSULATED ROOF CURB, & BACKDRAFT DAMPER. ACCESSORIES FOR NFPA-96 INSTALLATION.
EF-6	ROOF EXHAUST FAN (KITCHEN NFPA 96 HOOD)	1061	0.85	1725	0.50	208/3/60	COOK 135 CPA VF	OUTDOOR CENTRIFUGAL UTILITY BLOWER WITH 16 GA HOUSING, BACKWARD INCLINED FAN, BELT DRIVE, VERTICAL UPWARD DISCHARGE, C/W MOTOR COVER SUITABLE FOR OUTDOOR INSTALLATION, GREASE TRAP, 12 IN INSULATED ROOF CURB, & BACKDRAFT DAMPER. ACCESSORIES FOR NFPA-96 INSTALLATION.

GENERAL FAN SCHEDULE NOTES:

1. ACCEPTABLE MANUFACTURERS: GREENHECK, PENN-BARRY, COOK, CARNES, ACME, BROAN, DELHI, PANASONIC
2. PROVIDE 24" TALL PREFABRICATED, INSULATED ROOF CURB FOR ALL ROOF MOUNTED FANS.

GREASE INTERCEPTOR SCHEDULE (HYDROMECHANICAL)

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

Item	Type	Flow Rate (gpm/lpm)	Grease Capacity (lbs/kg)	Dimensions HxWxL (in.)	Acceptable Manufacturer	Remarks
GI-1	FLOOR MOUNTED GREASE INTERCEPTER	7 (26.4)	31.9 (17.6)	14.5" x 17.5" x 16.3"	CANPLAS ENDURA 3907A02	SUITABLE FOR INSTALLATION IN MILLWORK. 50Ø (2") INLET AND OUTLET CONNECTION.
GI-2	FLOOR MOUNTED GREASE INTERCEPTER	10 (37.8)	38 (17.2)	14.5" x 17.5" x 16.3"	CANPLAS ENDURA 3910A02	SUITABLE FOR INSTALLATION IN MILLWORK. 50Ø (2") INLET AND OUTLET CONNECTION.
GI-3	FLOOR MOUNTED GREASE INTERCEPTER	25 (95)	72 (32.6)	16.5" x 17.5" x 14.5"	CANPLAS ENDURA 3925XTA03	SUITABLE FOR INSTALLATION IN MILLWORK. 50Ø (2") INLET AND OUTLET CONNECTION.

GENERAL GREASE INTERCEPTOR SCHEDULE (HYDROMECHANICAL) NOTES:

1. ACCEPTABLE MANUFACTURERS: CAN-AQUA, JRC PLASTIC INTERUPTERS AND PIT BOXES, JONESPEC, CONTOUR, ENDURA
2. HYDROMECHANICAL TYPE INTERCEPTOR, TESTED AND RATED IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION ACT (EPA), COMPLETE WITH FIRE RESISTANT POLYPROPYLENE CONSTRUCTION FOR MOUNTING FLUSH WITH FLOOR WITH ALUMINUM NON-SKID COVERS ON FLOOR COMPLETE WITH FLOW CONTROL FITTING SUITABLY VENTED, AND EXTENSION.
3. THE UNIT SHALL BE ABLE TO TREAT EFFLUENT TO LESS THAN 100 MG/LITRE OF GREASE.

Waterloo Region District School Board

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scale AS NOTED

LICENSED PROFESSIONAL ENGINEER 10 Apr 26 M.B. WHITE 100190704 PROVINCE OF ONTARIO

drawn AP
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WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
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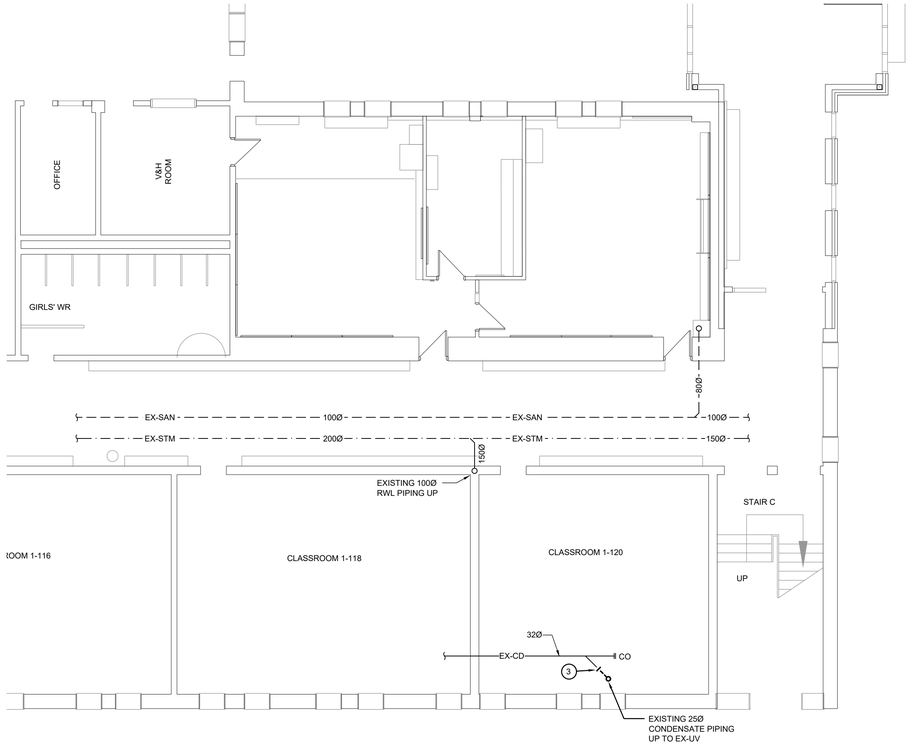
drawing title
SCHEDULES

reference

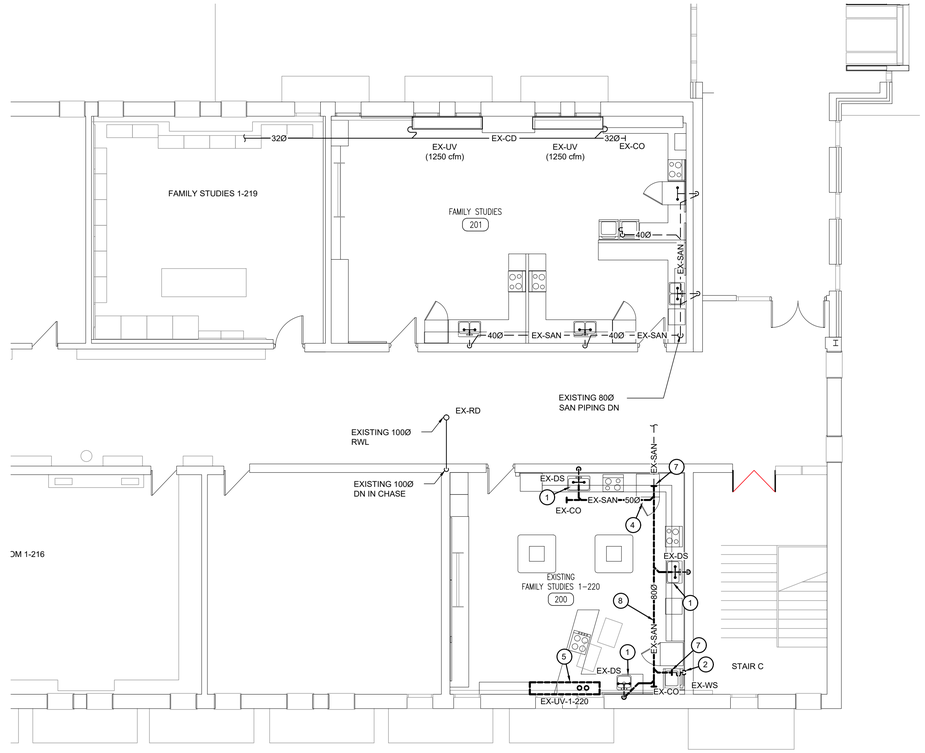
project no. 25-092
client reference number

sheet no. M102 00



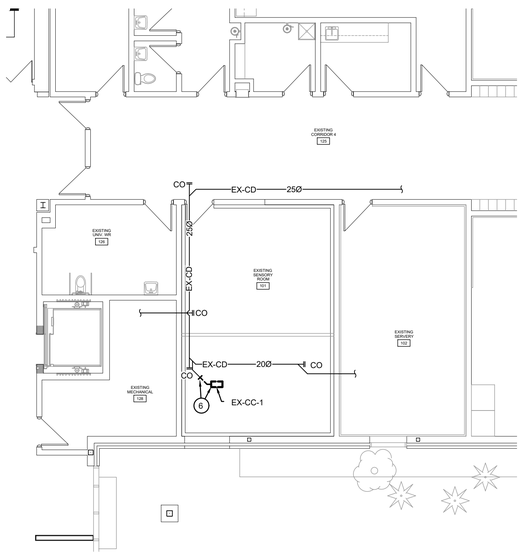
FIRST FLOOR PART PLAN 'A' - DRAINAGE DEMOLITION

SCALE: 1:100



SECOND FLOOR PART PLAN 'A' - DRAINAGE DEMOLITION

SCALE: 1:100



FIRST FLOOR PART PLAN 'B'- DRAINAGE DEMOLITION

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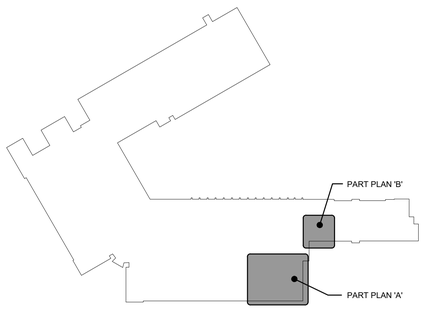

KEY PLAN

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.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- 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 PLUMBING FIXTURE TO BE REMOVED COMPLETE. EXISTING DRAINAGE AND DOMESTIC PIPING CUT, CAPPED AND REMOVED BEYOND COMPLETE.
2. EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE. EXISTING DRAINAGE AND DOMESTIC PIPING CUT AT WALL/FLOOR AND REMOVED BEYOND COMPLETE.
3. EXISTING CONDENSATE PIPING TO BE CUT AND REMOVED BEYOND COMPLETE.
4. EXISTING SANITARY PIPING TO BE CUT, CAPPED AND REMOVED BEYOND COMPLETE.
5. EXISTING UNIT VENTILATOR TO BE REMOVED COMPLETE. EXISTING PIPING TO BE CUT & PREPARED FOR CONNECTION NEW PIPING.
6. EXISTING COOLING COIL TO BE DISCONNECTED AND RELOCATED. EXISTING CONDENSATE PIPING TO BE CUT AND REMOVED BEYOND COMPLETE.
7. EXISTING SANITARY PIPING TO BE CUT AND REMOVED BEYOND COMPLETE.
8. EXISTING SANITARY PIPING TO BE REMOVED COMPLETE.

Waterloo Region District School Board

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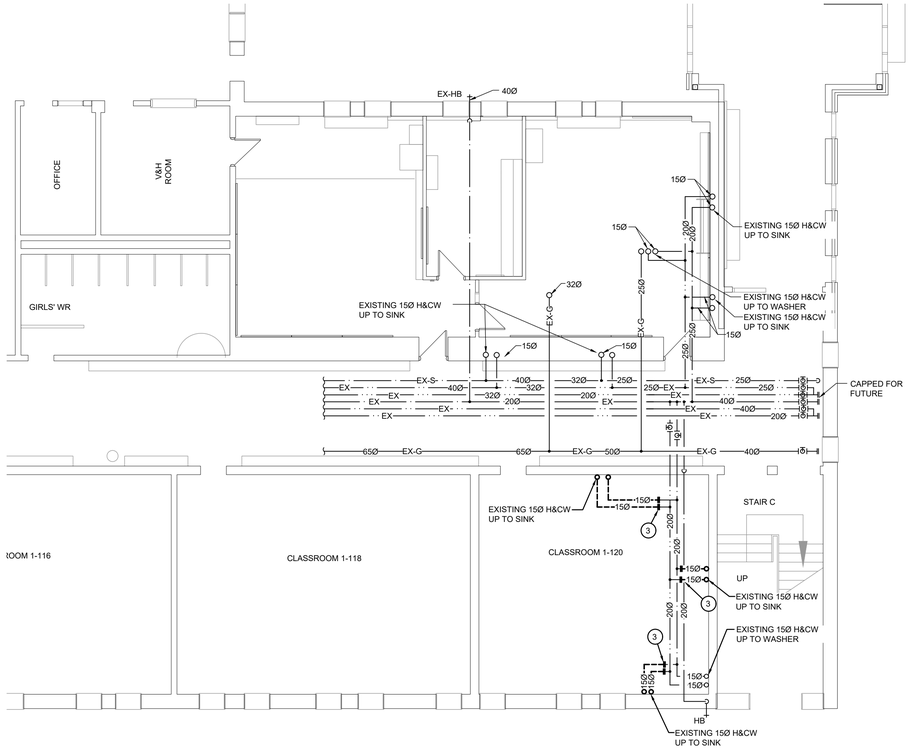
drawing title
FIRST & SECOND FLOOR PART PLANS – DEMOLITION

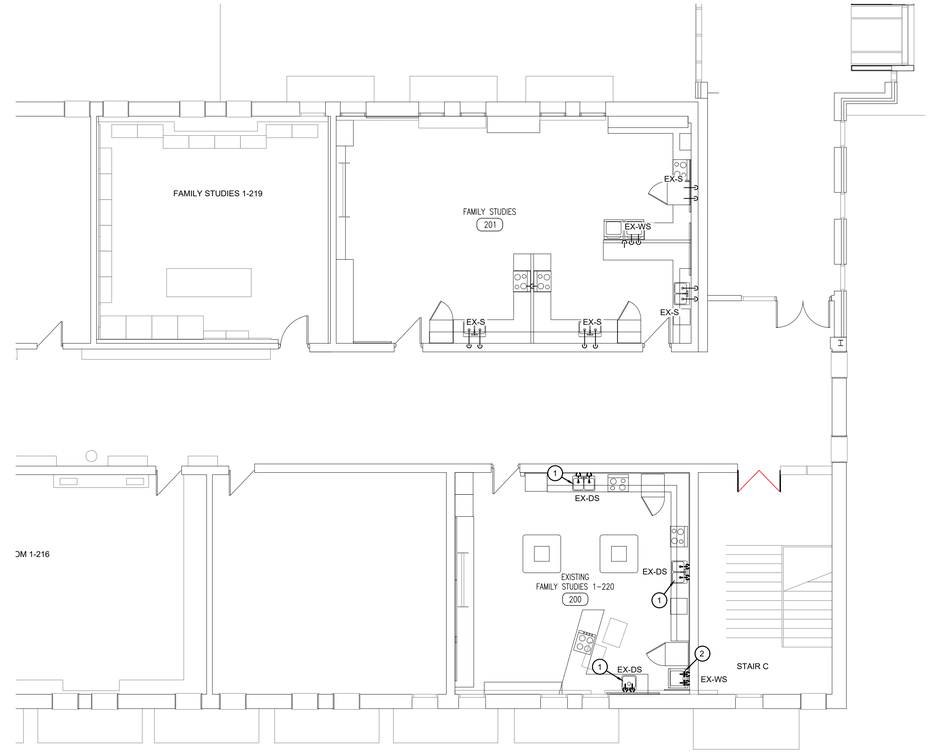
reference

project no. 25-092
client reference number

sheet no. M201 00



FIRST FLOOR PART PLAN 'A' - DOMESTIC DEMOLITION
SCALE: 1:100



SECOND FLOOR PART PLAN 'A' - DOMESTIC DEMOLITION
SCALE: 1:100

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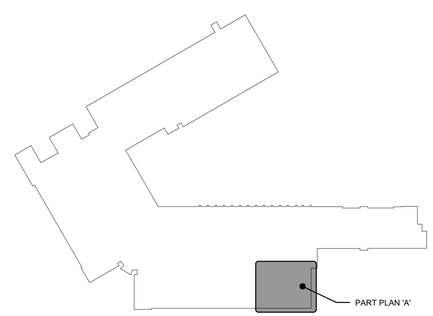
3. EXISTING DOMESTIC PIPING TO BE CUT, CAPPED AND REMOVED BEYOND COMPLETE.



KEY PLAN

Waterloo Region District School Board

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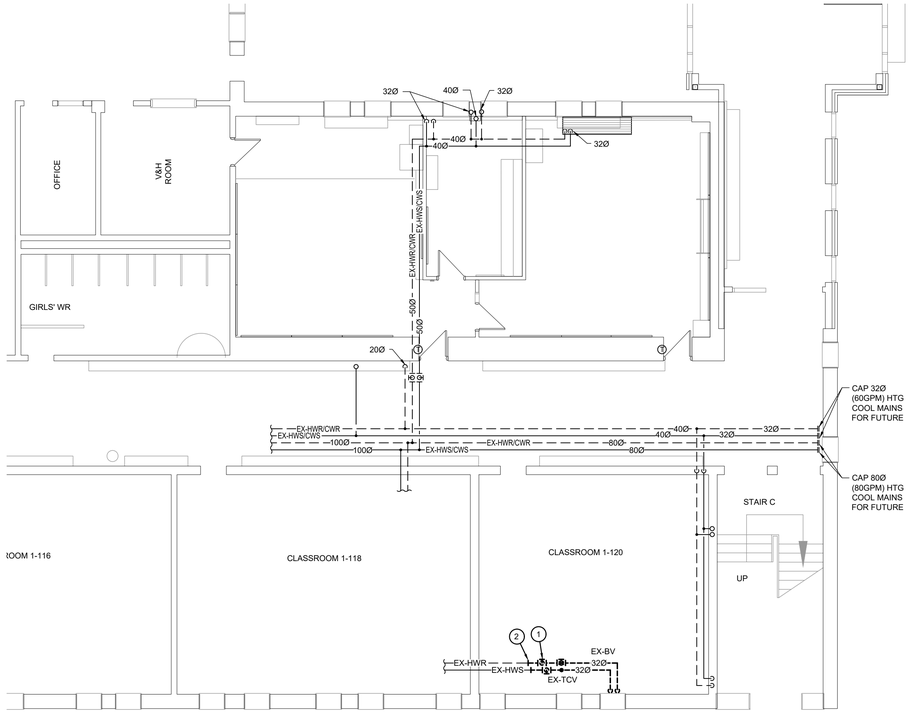
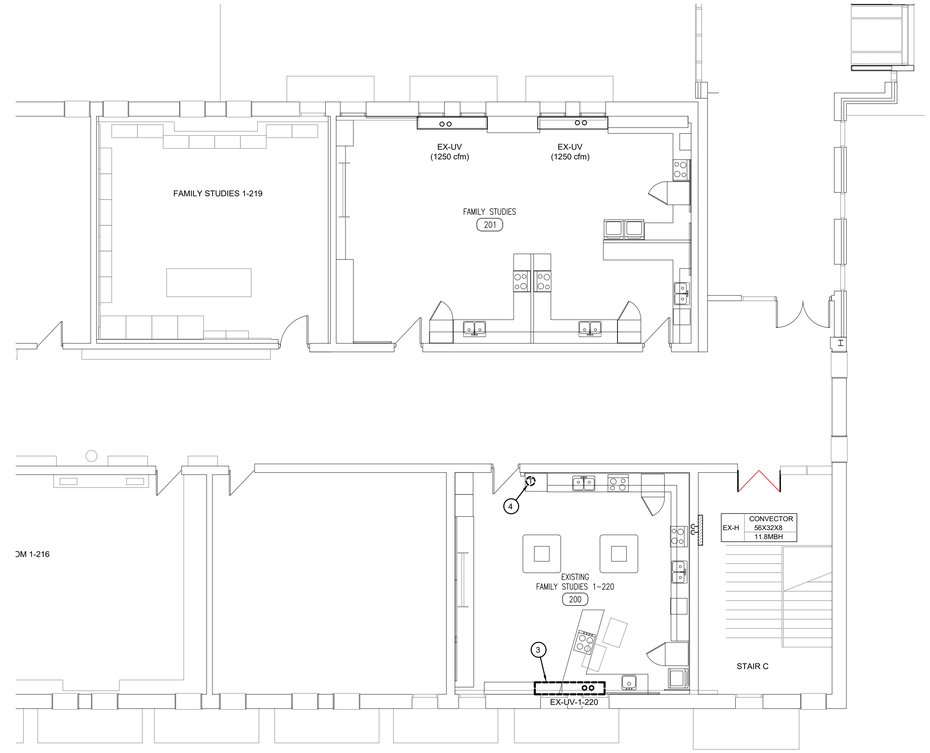


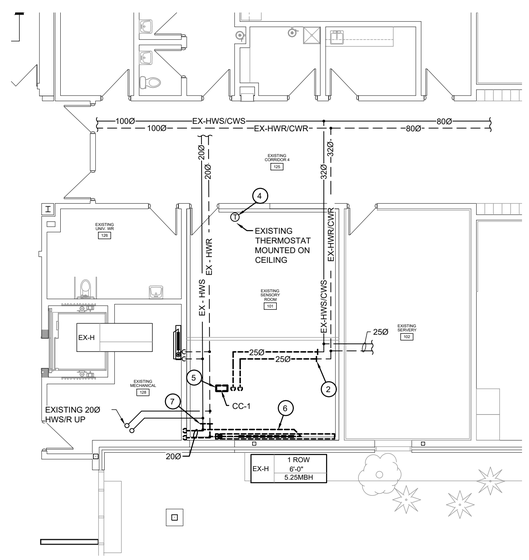
FIRST FLOOR PART PLAN 'A' - HEATING DEMOLITION

SCALE: 1:100



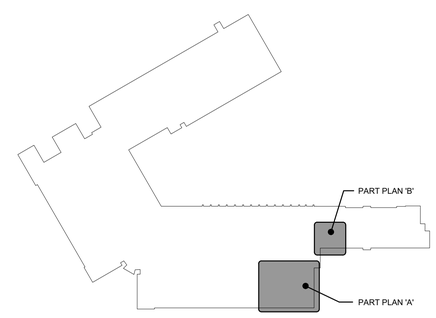
SECOND FLOOR PART PLAN 'A' - HEATING DEMOLITION

SCALE: 1:100



FIRST FLOOR PART PLAN 'B'- HEATING DEMOLITION

SCALE: 1:100



KEY PLAN

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.
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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.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- 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 ISOLATING, BALANCING AND TEMPERATURE CONTROL VALVE TO BE REMOVED AND REPLACE WITH NEW.
2. EXISTING HWS/R PIPING TO BE CUT AND REMOVED BEYOND COMPLETE.
3. EXISTING UNIT VENTILATOR TO BE REMOVED COMPLETE. EXISTING PIPING TO BE CUT & PREPARED FOR CONNECTION TO NEW PIPING.
4. EXISTING THERMOSTAT & CONTROL WIRE TO BE REMOVED COMPLETE. REPLACE W/NEW THERMOSTAT.
5. EXISTING COOLING COIL TO BE DISCONNECTED AND RELOCATED. EXISTING HEATING/CHILLED WATER PIPING TO BE CUT AND REMOVED BEYOND COMPLETE.
6. EXISTING RADIATION TO BE REMOVED AND RELOCATED. EXISTING CABINET TO BE CUT AND MODIFY TO SUIT NEW LOCATION.
7. EXISTING HWS/R PIPING TO BE CUT AND REMOVE BEYOND COMPLETE. EXISTING ISOLATING, BALANCING AND TEMPERATURE CONTROL VALVE TO BE REMOVED AND REPLACE WITH NEW.

Waterloo Region District School Board

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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 26092

No.	REVISIONS	date
01	ISSUED FOR PERMIT AND TENDER	2025-04.10

PROJECT NORTH
TRUE NORTH
scale AS NOTED

LICENSED PROFESSIONAL ENGINEER 10 Apr 26 M.B. WHITE 100149074 PROVINCE OF ONTARIO

drawn AP
last worked on 2026.03.17 by AP
checked SO
print date 4.10.2026

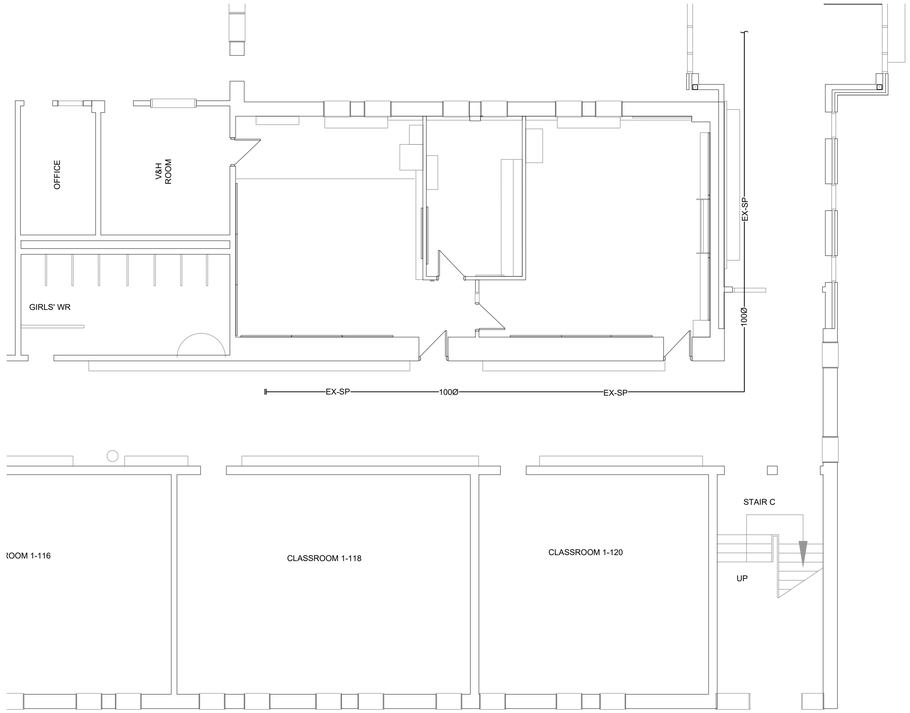
BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

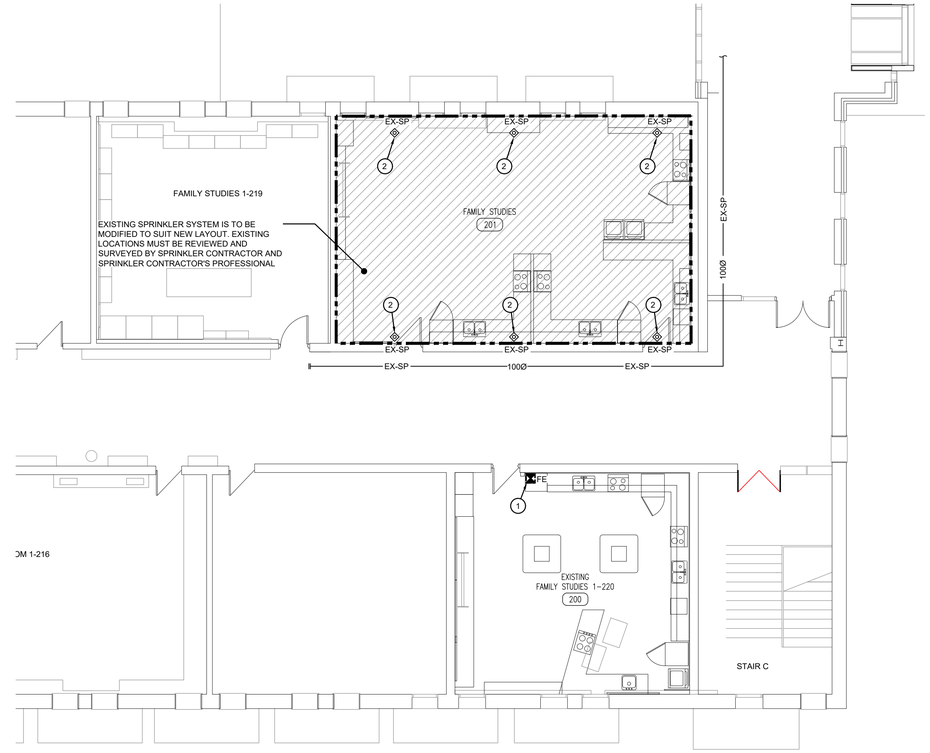
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
FIRST & SECOND FLOOR PART PLANS – DEMOLITION

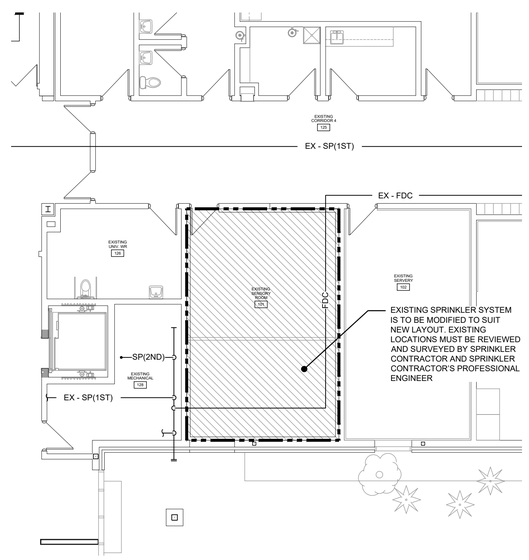
reference
project no. 25-092
client reference number
sheet no. M203 00



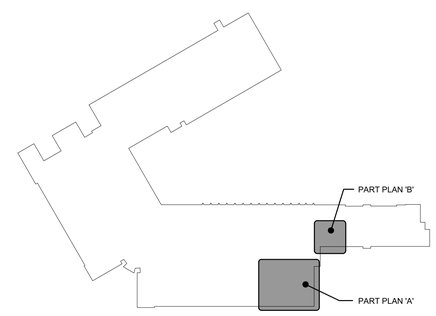
FIRST FLOOR PART PLAN 'A' - SPRINKLER DEMOLITION
SCALE: 1:100



SECOND FLOOR PART PLAN 'A' - SPRINKLER DEMOLITION
SCALE: 1:100



FIRST FLOOR PART PLAN 'B'- SPRINKLER DEMOLITION
SCALE: 1:100



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SPECIFIC DEMOLITION NOTES

1. EXISTING FIRE EXTINGUISHER BEING REMOVED COMPLETE.
2. EXISTING SPRINKLER HEAD(S) TO BE REMOVED & REPLACE W/ NEW SPRINKLER HEAD TO NFPA REQUIREMENTS.

Waterloo Region District School Board

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LICENSED PROFESSIONAL ENGINEER
10 Apr 26
M.B. WHITE
100149074
PROVINCE OF ONTARIO

drawn AP
last worked on 2026.03.17 by AP
checked SO
print date 4.10.2026

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
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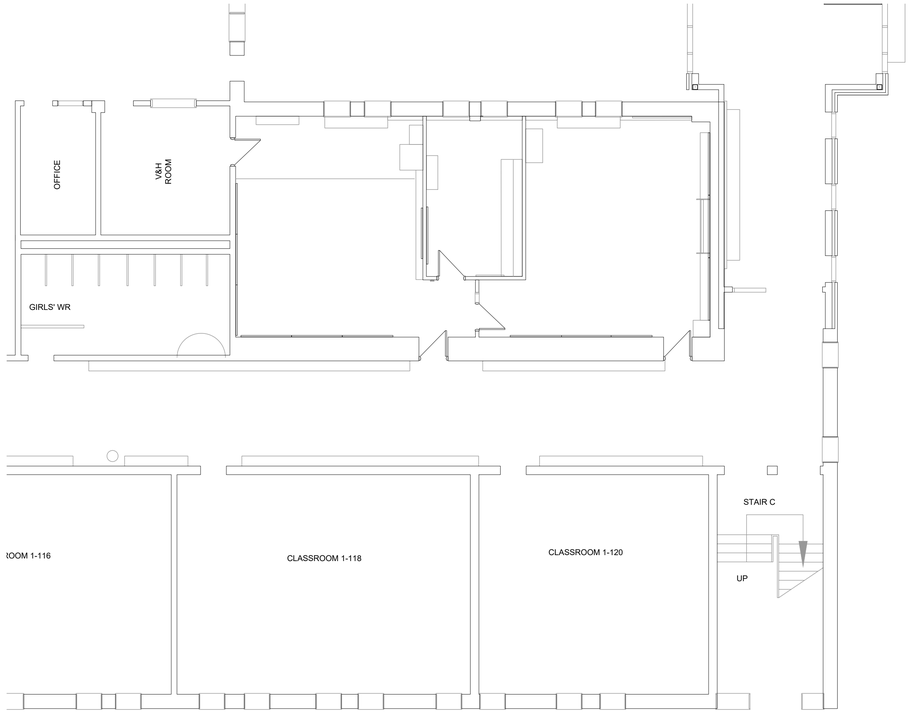
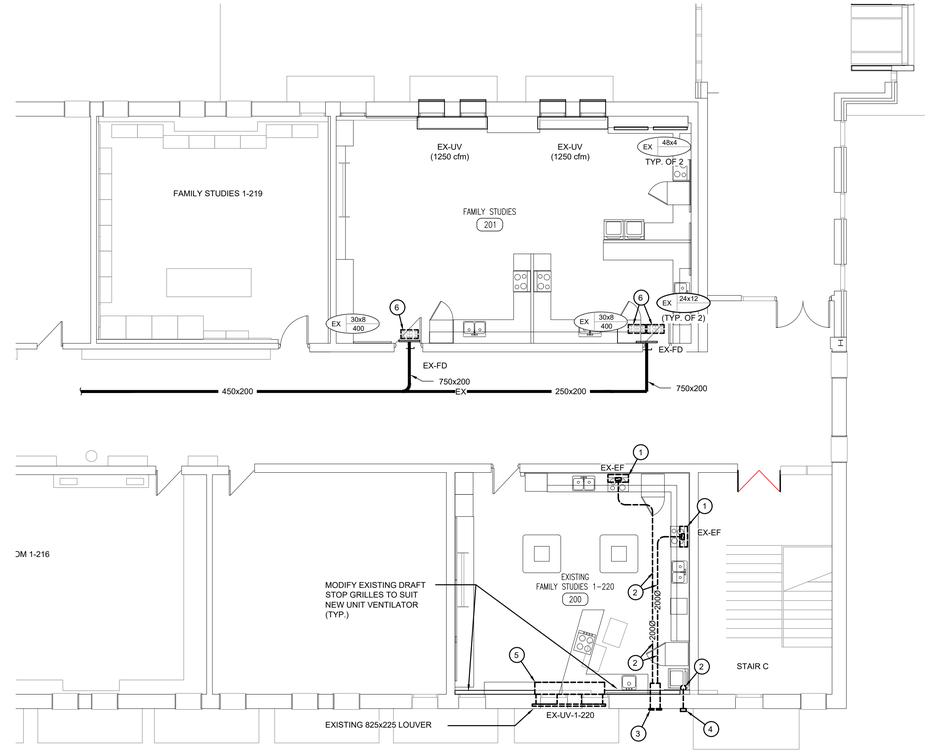
175 INDIAN RD
KITCHENER ONTARIO

drawing title
FIRST & SECOND FLOOR PART PLANS – DEMOLITION

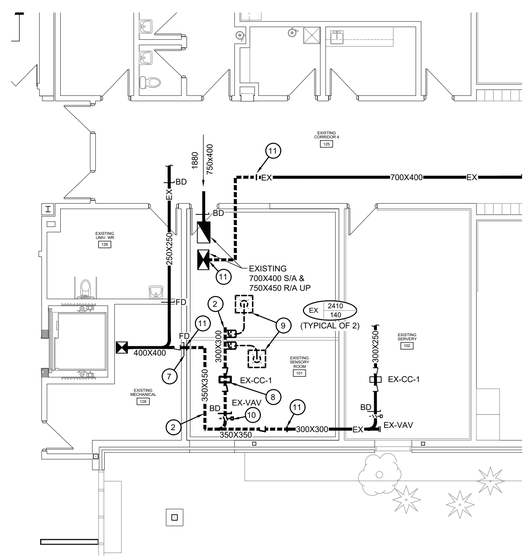
reference
project no. 25-092
client reference number
sheet no. M204 00



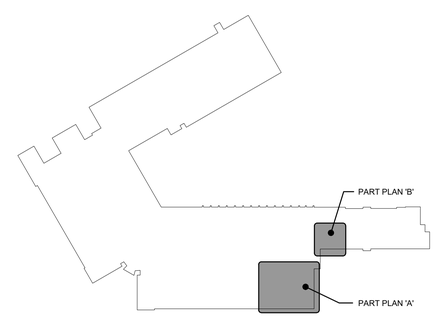
FIRST FLOOR PART PLAN 'A' - VENTILATION DEMOLITION
SCALE: 1:100



SECOND FLOOR PART PLAN 'A' - VENTILATION DEMOLITION
SCALE: 1:100



FIRST FLOOR PART PLAN 'B'- VENTILATION DEMOLITION
SCALE: 1:100



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SPECIFIC DEMOLITION NOTES

1. EXISTING EXHAUST FAN TO BE REMOVED COMPLETE.
2. EXISTING DUCTWORK TO BE REMOVED BEYOND COMPLETE.
3. EXISTING BRICK VENT TO BE REMOVED BEYOND COMPLETE.
4. EXISTING DRYER WALL VENT TO BE REMOVED COMPLETE.
5. EXISTING UNIT VENTILATOR TO BE REMOVED COMPLETE. EXISTING LOUVERS & SLEEVE TO BE REMOVED COMPLETE.
6. EXISTING GRILLES TO BE REMOVED COMPLETE.
7. EXISTING FIRE DAMPER TO BE REMOVED COMPLETE.
8. EXISTING COOLING COIL TO BE DISCONNECT AND RELOCATED.
9. EXISTING DIFFUSER TO BE DISCONNECTED AND RELOCATED.
10. EXISTING VAV CONTROL DAMPER TO BE DISCONNECTED AND RELOCATED.
11. EXISTING DUCTWORK TO BE CUT AND REMOVED BEYOND COMPLETE.

Waterloo Region District School Board

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Project Number: 26092

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01	ISSUED FOR PERMIT AND TENDER	2025.04.10

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BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

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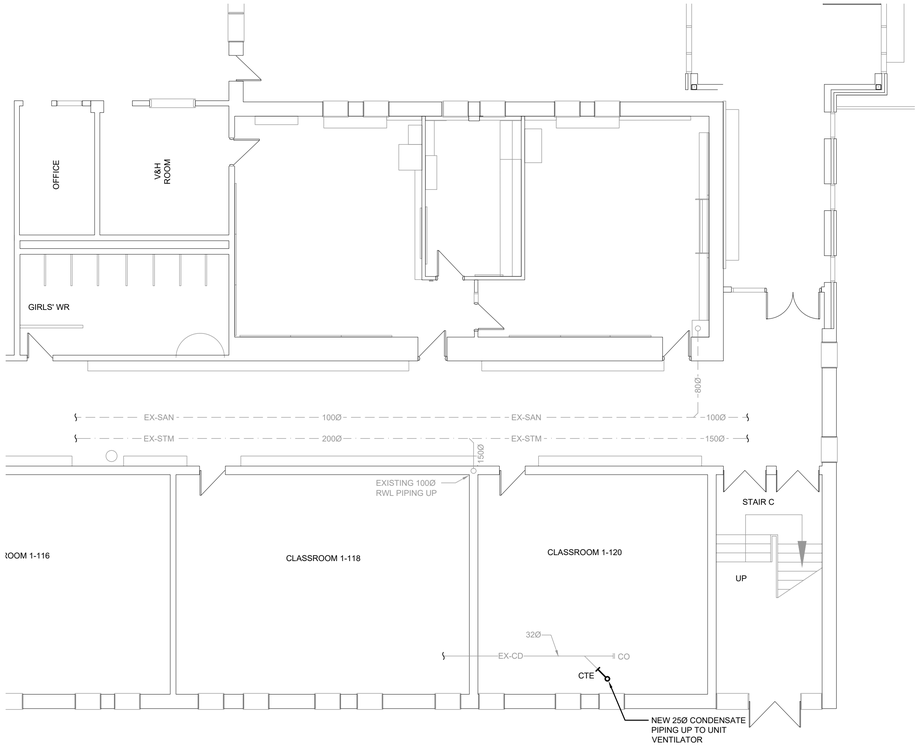
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

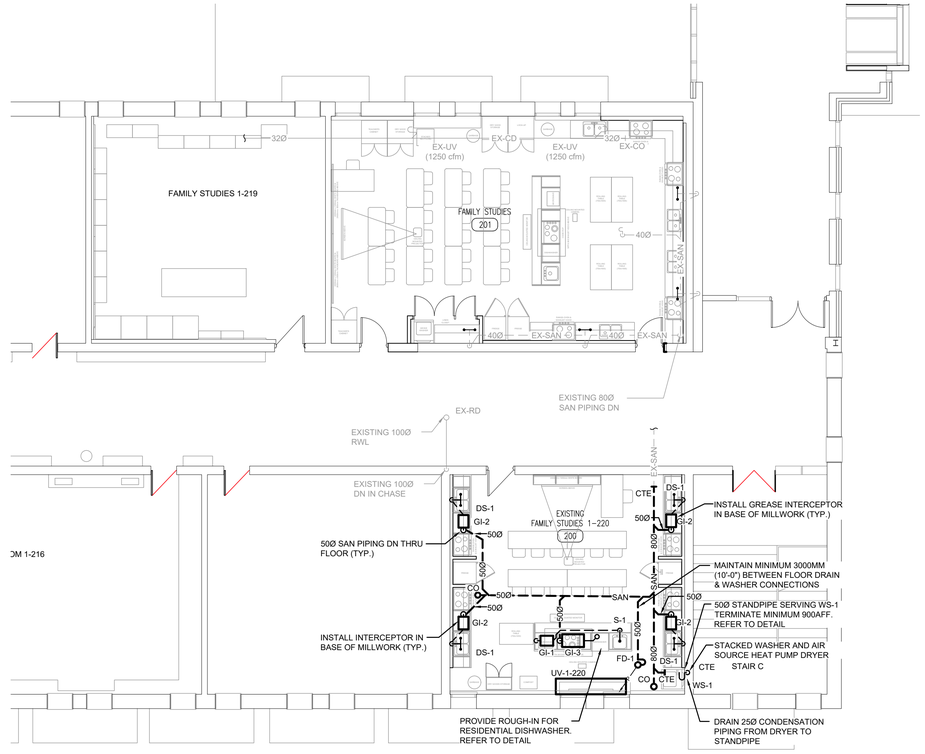
drawing title
FIRST & SECOND FLOOR PART PLANS – DEMOLITION

reference
project no. 25-092
client reference number
sheet no. M205 00



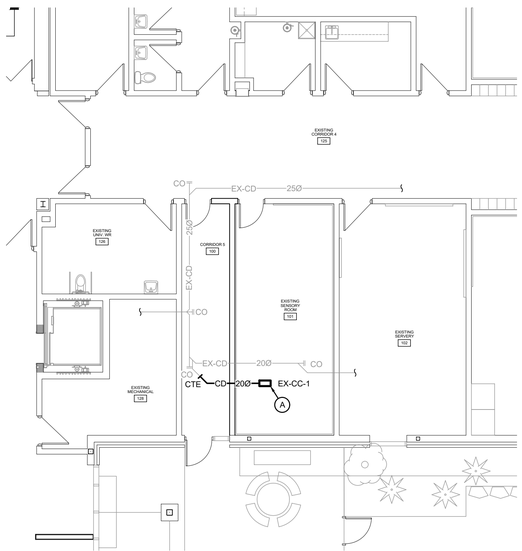
FIRST FLOOR PART PLAN 'A' - DRAINAGE RENOVATION

SCALE: 1:100



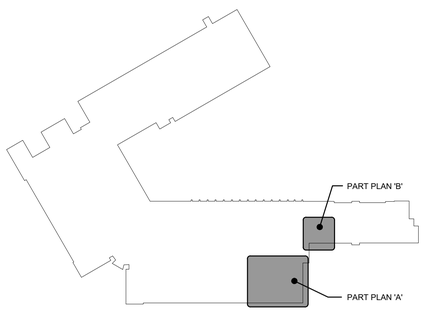
SECOND FLOOR PART PLAN 'A' - DRAINAGE RENOVATION

SCALE: 1:100



FIRST FLOOR PART PLAN 'B'- DRAINAGE RENOVATION

SCALE: 1:100



KEY PLAN

GENERAL RENOVATION NOTES

- FREEZE OR DRAIN EXISTING PIPING AS REQUIRED TO FACILITATE CUT IN.
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.

SPECIFIC RENOVATION NOTES

A. EXISTING RELOCATED COOLING COIL. RECONNECT CONDENSATE PIPING.

Waterloo Region District School Board

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LICENSED PROFESSIONAL ENGINEER 10 Apr 26 M.B. WHITE 100149074 PROVINCE OF ONTARIO

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WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

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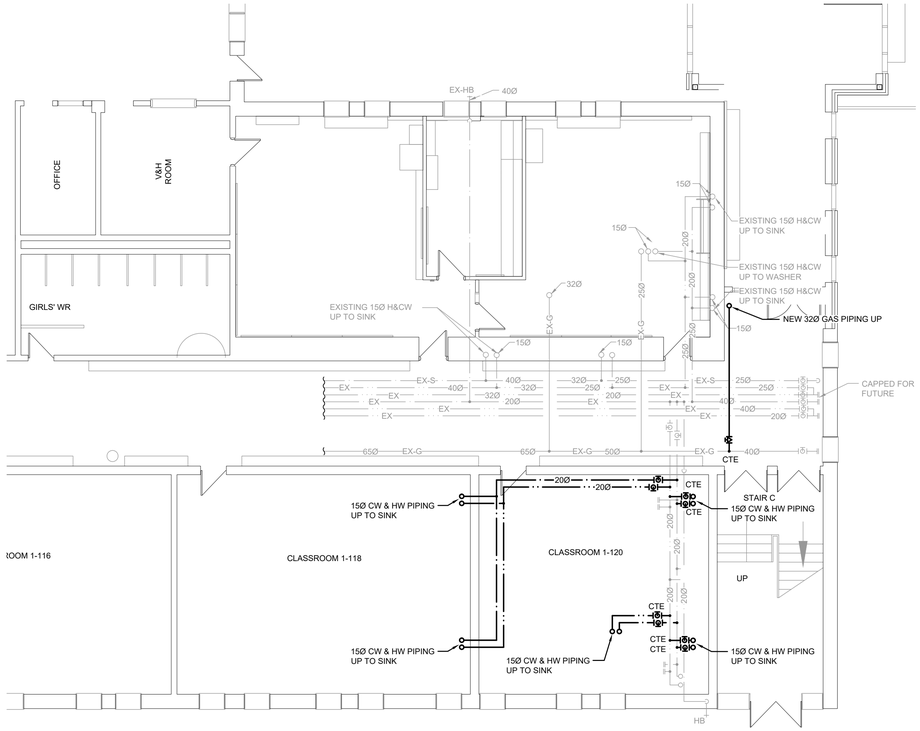
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
FIRST & SECOND FLOOR PART PLANS – RENOVATION

reference

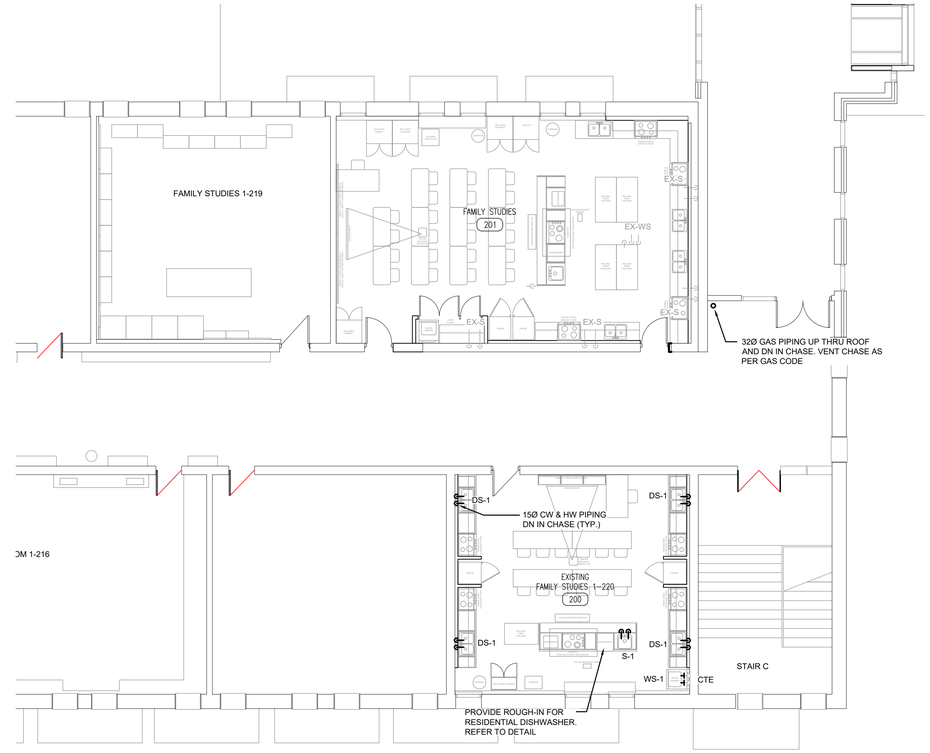
project no. 25-092
client reference number

sheet no. M301 00



FIRST FLOOR PART PLAN 'A' - DOMESTIC & GAS PIPING RENOVATION

SCALE: 1:100

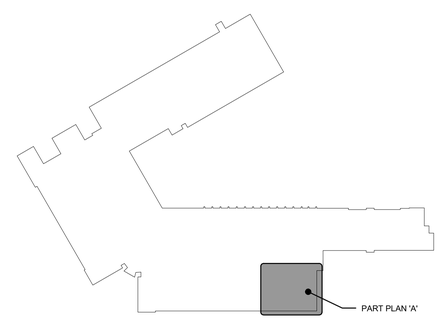


SECOND FLOOR PART PLAN 'A' - DOMESTIC & GAS PIPING RENOVATION

SCALE: 1:100

GENERAL RENOVATION NOTES

- FREEZE OR DRAIN EXISTING PIPING AS REQUIRED TO FACILITATE CUT IN.
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.



KEY PLAN

Waterloo Region District School Board

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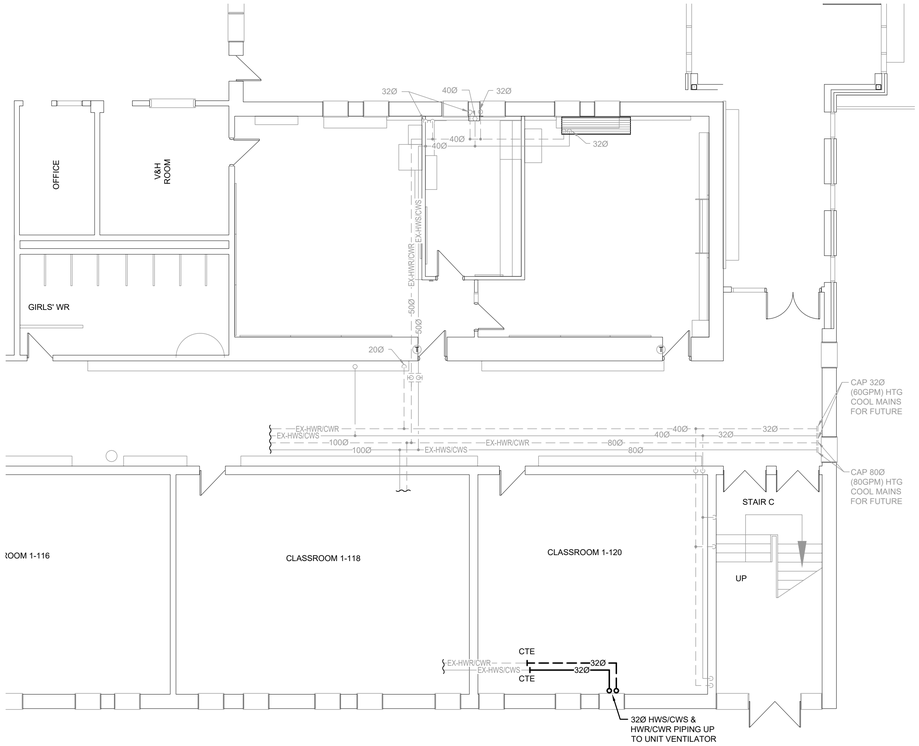
reference

project no. 25-092
client reference number

sheet no. M302 00



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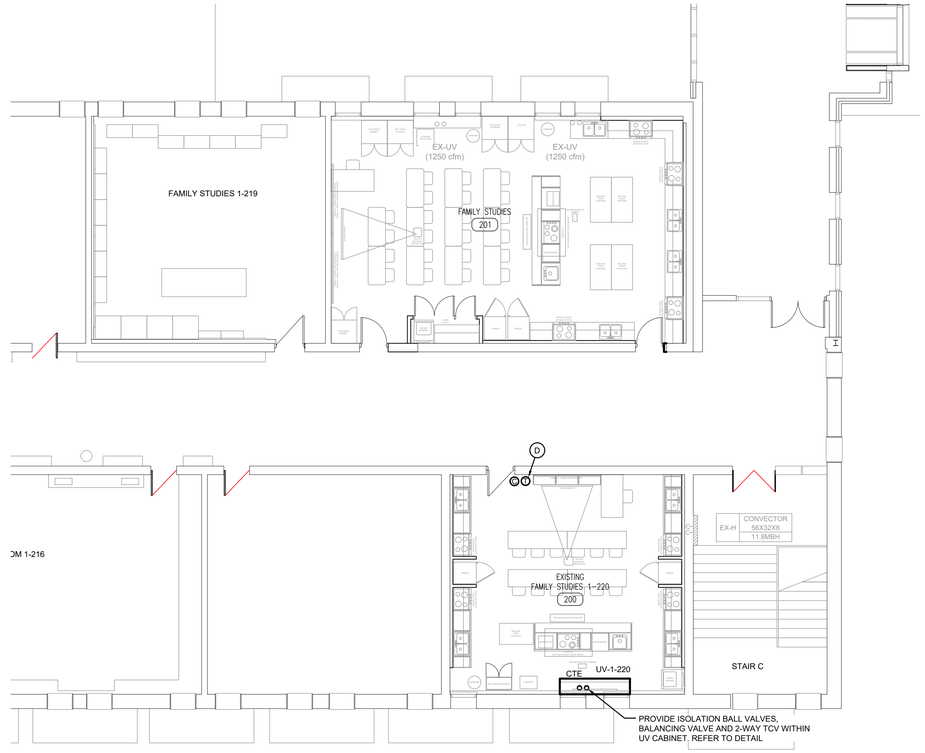

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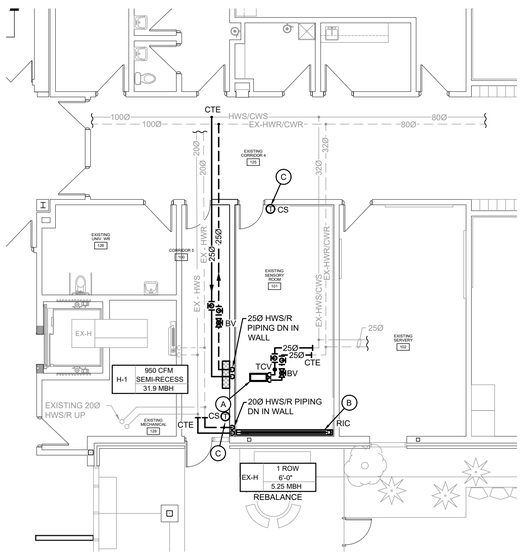

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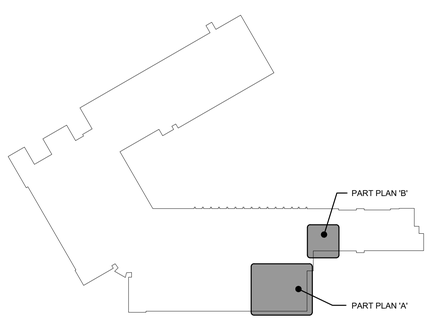
SCALE: 1:100



KEY PLAN

GENERAL RENOVATION NOTES

- CONTRACTOR TO LOCATE ISOLATION VALVES AND DRAIN SYSTEMS TO ALLOW PROPOSED WORK TO PROCEED. REFILL SYSTEMS AS INDICATED. FLUSHING, CLEANING, & REFILLING WITH CLEAN WATER & CHEMICAL TO WATER TREATMENT CONTRACTOR REQUIREMENTS.
- FREEZE OR DRAIN EXISTING PIPING AS REQUIRED TO FACILITATE CUT IN.

SPECIFIC RENOVATION NOTES

A. EXISTING RELOCATED COOLING COIL. RECONNECT HWS&HWR PIPING, PROVIDE NEW ISOLATION, BALANCING AND TEMPERATURE CONTROL VALVES.

B. EXISTING RELOCATED RADIATION. RECONNECT TO HWS&R PIPING, PROVIDE NEW ISOLATION, BALANCING AND TEMPERATURE CONTROL VALVES.

C. INSTALL NEW DDC THERMOSTAT AND CONTROL WIRING. FISH EXISTING WALL OR PROVIDE NEW WIRE MOLD AS REQUIRED FOR NEW CONTROL WIRING.

D. INSTALL NEW DDC THERMOSTAT/ CO2 SENSOR & CONTROL WIRING. FISH EXISTING WALL OR PROVIDE NEW WIRE MOLD AS REQUIRED FOR NEW CONTROL WIRING.

Waterloo Region District School Board

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TRUE NORTH
scale: AS NOTED

LICENSED PROFESSIONAL ENGINEER
10 Apr 26
M.B. WHITE
100149074
PROVINCE OF ONTARIO

drawn	AP
last worked on: 2026.03.17	by: AP
checked	SO
print date	4.10.2026

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

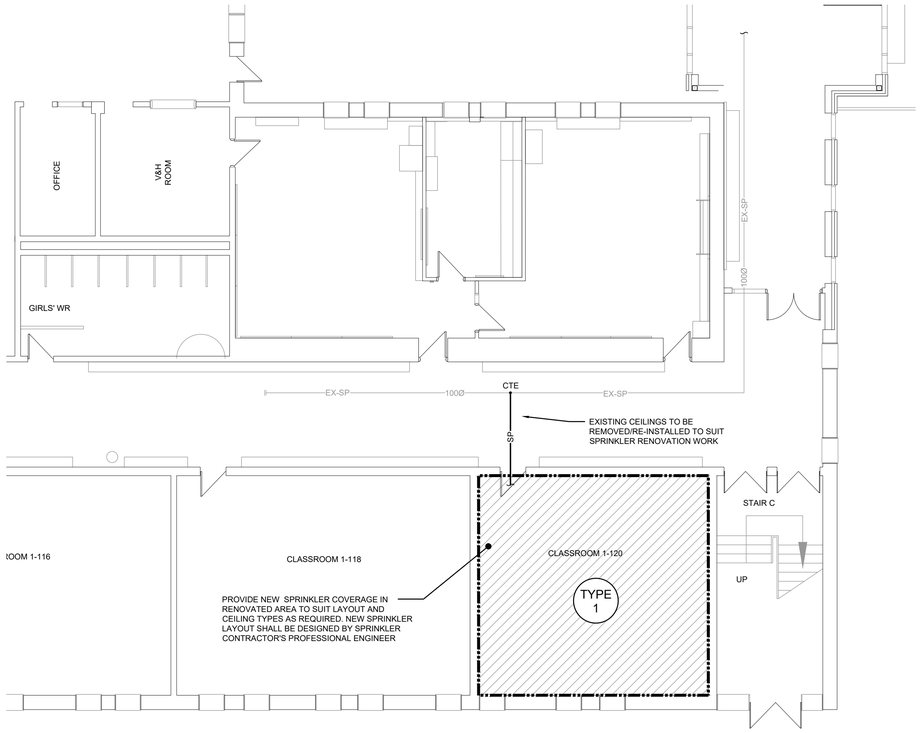
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
FIRST & SECOND FLOOR PART PLANS – RENOVATION

reference

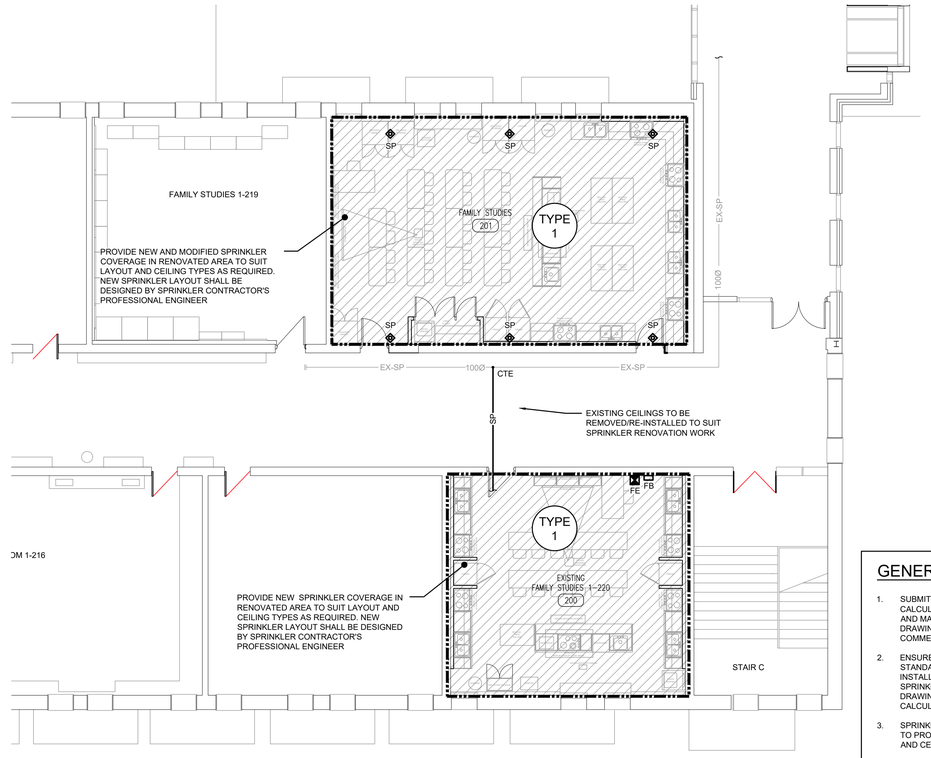
project no. 25-092
client reference number

sheet no. M303 00



FIRST FLOOR PART PLAN 'A' - SPRINKLER RENOVATION

SCALE: 1:100

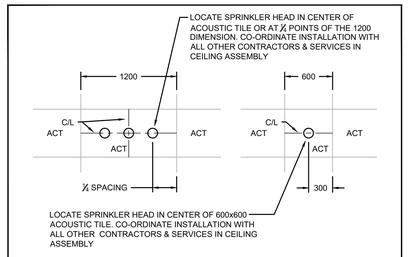


SECOND FLOOR PART PLAN 'A' - SPRINKLER RENOVATION

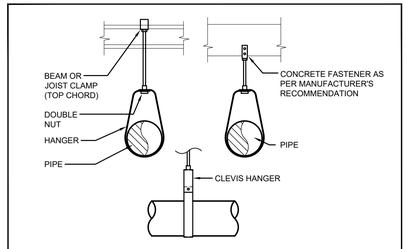
SCALE: 1:100

GENERAL SPRINKLER NOTES

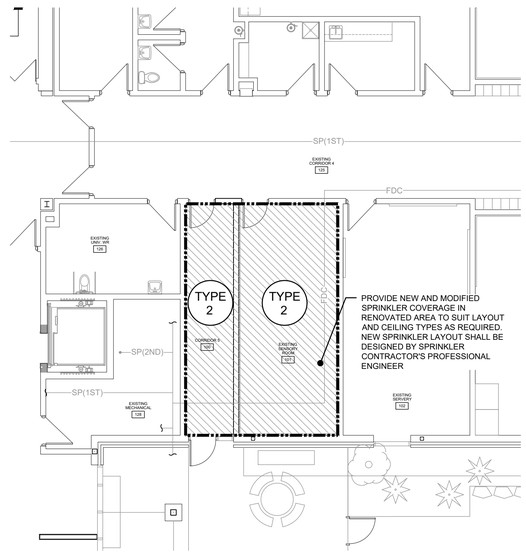
1. SUBMIT PRELIMINARY DESIGN & HYDRAULIC CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER, AND MANUFACTURERS' PRODUCT SHEETS FOR SHOP DRAWING SUBMISSION AS SPECIFIED PRIOR TO COMMENCING WORK.
2. ENSURE DESIGN MEETS OR EXCEEDS PRESENT NFPA 13 STANDARDS. ENSURE SPRINKLER SYSTEMS ARE INSTALLED TO NFPA 13 STANDARDS. UPON COMPLETION, SPRINKLER CONTRACTOR TO PROVIDE REPRODUCIBLE DRAWING (AT 1/8"=1'-0" SCALE) AND HYDRAULIC CALCULATIONS OF AS-BUILT CONDITION.
3. SPRINKLER CONTRACTOR'S 'PROFESSIONAL ENGINEER' TO PROVIDE O.B.C. AND NFPA REQUIRED INSPECTION AND CERTIFICATION.
4. REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLAN.
5. PROVIDE SPRINKLER HEAD TYPES AS FOLLOWS:
   - 5.1. PROVIDE UPRIGHT HEADS WITHIN 12" OF EXPOSED DECK THROUGHOUT EXPOSED STRUCTURE AREAS. PROVIDE HEAD GUARDS IN GYM, AREAS WHERE HEADS ARE BELOW 8'-0" & STORAGE ROOMS.
   - 5.2. PROVIDE CONCEALED PENDENT HEADS IN CEILINGS OF UNSUPERVISED AREAS (CORRIDORS, WASHROOMS). COVER PLATE FINISH SELECTED BY CONSULTANT.
   - 5.3. PROVIDE SEMI-RECESSED HEADS IN ALL OTHER CEILING AREAS (CLASSROOMS, OFFICES, SEMINAR RMs, etc.). HEAD & ESCUTCHEON FINISH SELECTED BY CONSULTANT.
6. SPRINKLER HEADS TO BE IN CENTRELINE OF CEILING TILE. MINIMUM 150mm (6") FROM EDGE.
7. FINAL NUMBER AND LOCATION OF SPRINKLER HEADS TO BE DETERMINED BY CONTRACTOR'S HYDRAULIC CALCULATIONS AND APPROVED DRAWINGS.
8. SPRINKLER PIPING TO BE COORDINATED WITH OTHER SERVICES PRIOR TO INSTALLATION
9. COORDINATE LOCATION OF INSPECTOR'S TEST CONNECTION WITH CONSULTANT PRIOR TO INSTALLATION.
10. SPRINKLER CONTRACTOR TO VISIT SITE AND EVALUATE EXISTING CONDITIONS PRIOR TO TENDER CLOSING. INCLUDE ALL MODIFICATIONS IN TENDER PRICE.
11. EXISTING SPRINKLER SYSTEM TO BE RENOVATED/MODIFIED TO SUIT NEW LAYOUT. CONTRACTOR IS RESPONSIBLE TO SURVEY EXISTING SYSTEMS FOR CREATION OF SHOP DWGS.
12. PROVIDE SPRINKLER HEADS UNDER ALL DUCTWORK AND EQUIPMENT OVER 1200mm WIDE.
13. COMMISSIONING OF INTEGRATED TESTING OF FIRE PROTECTION AND LIFE SAFETY SYSTEM.
   - 13.1. SPRINKLER CONTRACTOR TO PROVIDE SERVICES WITH THE FIRE COMMISSIONING AGENT (FCA) TO MEET THEIR REQUIREMENTS OF ADMINISTRATION, VERIFICATION, AND FINAL SIGNOFF TO THE LOCAL AUTHORITIES AND CONSULTANT. THE FCA IS BEING RETAINED BY THE ELECTRICAL CONTRACTOR, HOWEVER, THIS CONTRACTOR'S WORK TO SATISFY THE FCA REQUIREMENTS SHALL BE INCLUDED IN THE TENDER PRICE.
   - 13.2. CHECK/TEST: MOVEMENT OF ALL VALVES, CREATE WATER FLOW AT ALL DEVICES TO VERIFY DETECTION AT FIRE ALARM PANEL, OPERATION OF ALL PUMPS &/OR COMPRESSORS.
   - 13.3. PERFORM ALL WORK IN ACCORDANCE WITH NFPA 13.
   - 13.4. RETURN SPRINKLER/STANDPIPE SYSTEM TO NORMAL OPERATION ON CMPLETION OF TESTING



SPRINKLER HEAD PLACEMENTS IN ACOUSTIC TILE

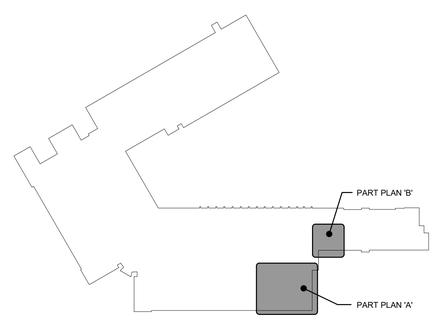


SPRINKLER PIPE HANGER DETAIL



FIRST FLOOR PART PLAN 'B'- SPRINKLER RENOVATION

SCALE: 1:100



KEY PLAN

SPRINKLER SCHEDULE

TYPE	SPRINKLER HEAD	COLOUR	REMARKS
1	SEMI-RECESSED PENDENT	WHITE	
2	CONCEALED PENDANT HEAD	WHITE	

Waterloo Region District School Board

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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 26092

No.	REVISIONS	date
01	ISSUED FOR PERMIT AND TENDER	2025.04.10

PROJECT NORTH
TRUE NORTH
scale AS NOTED

LICENSED PROFESSIONAL ENGINEER 10 Apr 26 M.B. WHITE 100190074 PROVINCE OF ONTARIO

drawn AP
last worked on 2026.03.17 by AP
checked SO
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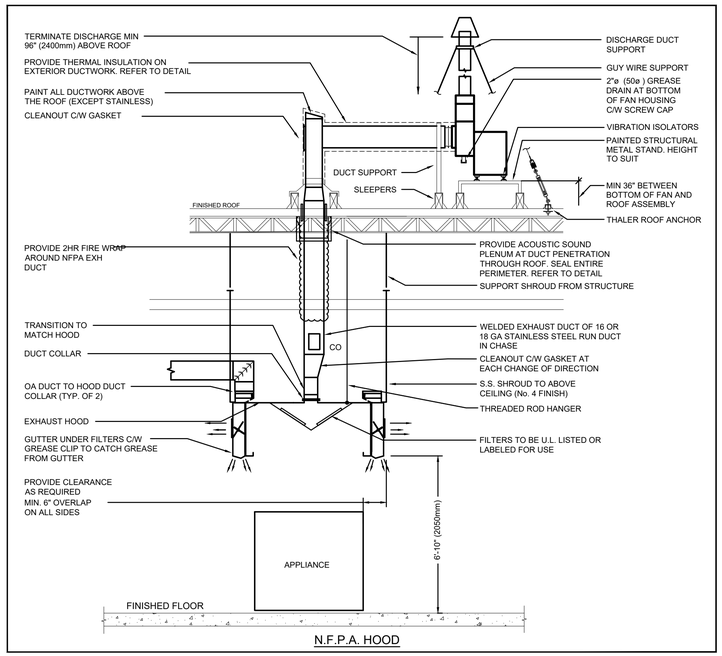
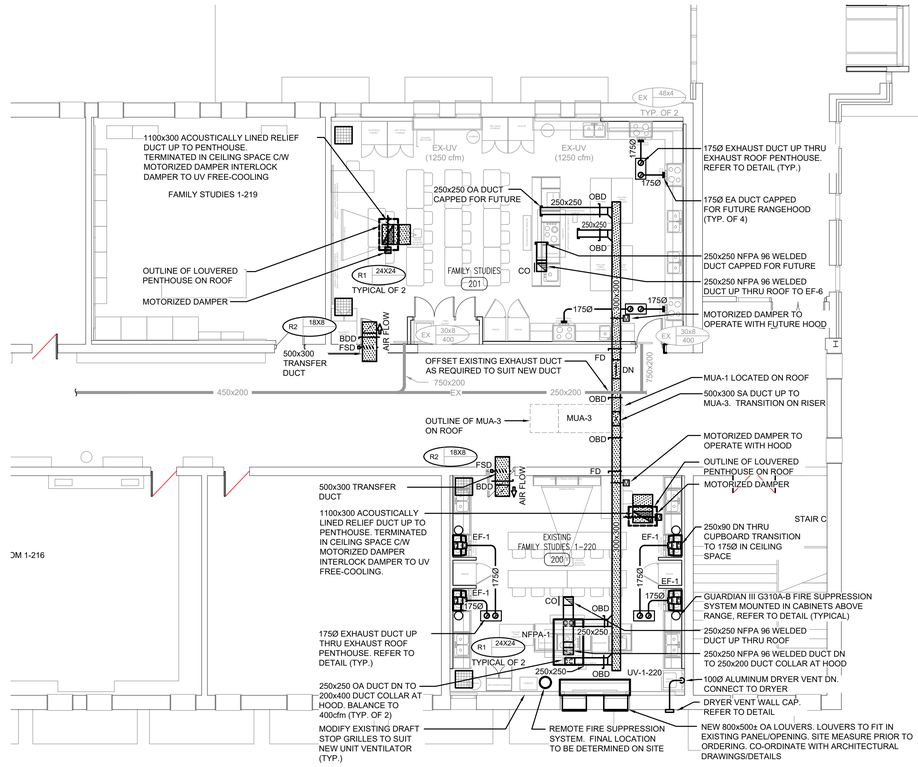
sheet no. M3 04 00

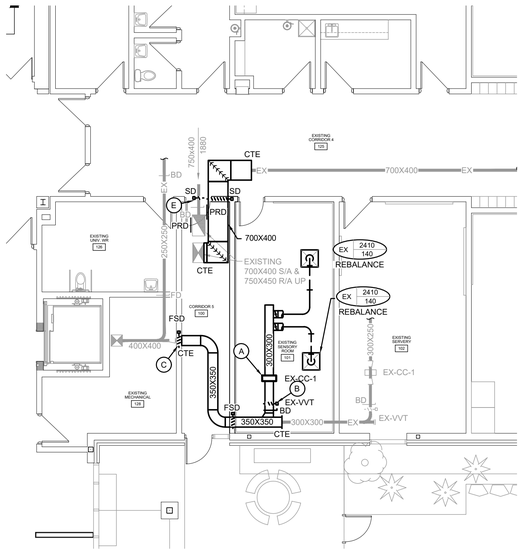


N.F.P.A. HOOD



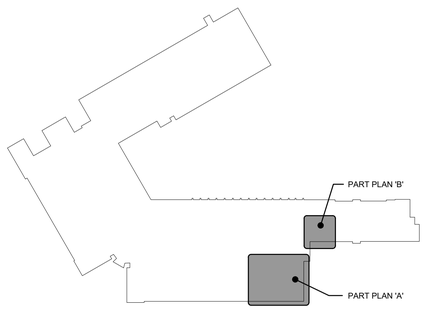
SECOND FLOOR PART PLAN 'B' - VENTILATION RENOVATION

SCALE: 1:100



FIRST FLOOR PART PLAN 'B'- VENTILATION RENOVATION

SCALE: 1:100



KEY PLAN

GENERAL RENOVATION NOTES

- CO-ORDINATE ANY OWSJ BRIDGING RELOCATION OR REMOVAL/REPLACEMENT WITH THE GENERAL CONTRACTOR. PAY ALL COSTS REQUIRED TO MODIFY BRIDGING FOR INSTALLATION OF DUCTWORK.
- REFER TO M303 DRAWINGS FOR THERMOSTAT/SENSORS NOT INDICATED ON THIS DRAWING.
- 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.
- WHERE DUCTWORK PENETRATES CORRIDOR WALL, CENTER DUCT(S) BETWEEN OWSJ.

SPECIFIC RENOVATION NOTES

A. EXISTING RELOCATED COOLING COIL RECONNECT WITH NEW DUCTWORK.

B. EXISTING RELOCATED VAV RECONNECT WITH NEW DUCTWORK.

C. INSTALL NEW FIRE SMOKE DAMPER IN EXISTING DUCTWORK.

D. OUTDOOR AIR TEMPERATURE DISCHARGE CONTROLLER.

E. INSTALL NEW SMOKE DAMPER IN EXISTING DUCTWORK.

Waterloo Region District School Board

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Website: deiassociates.ca
Project Number: 26092

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drawn	AP
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by	AP
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BJC architects + assocs. inc.

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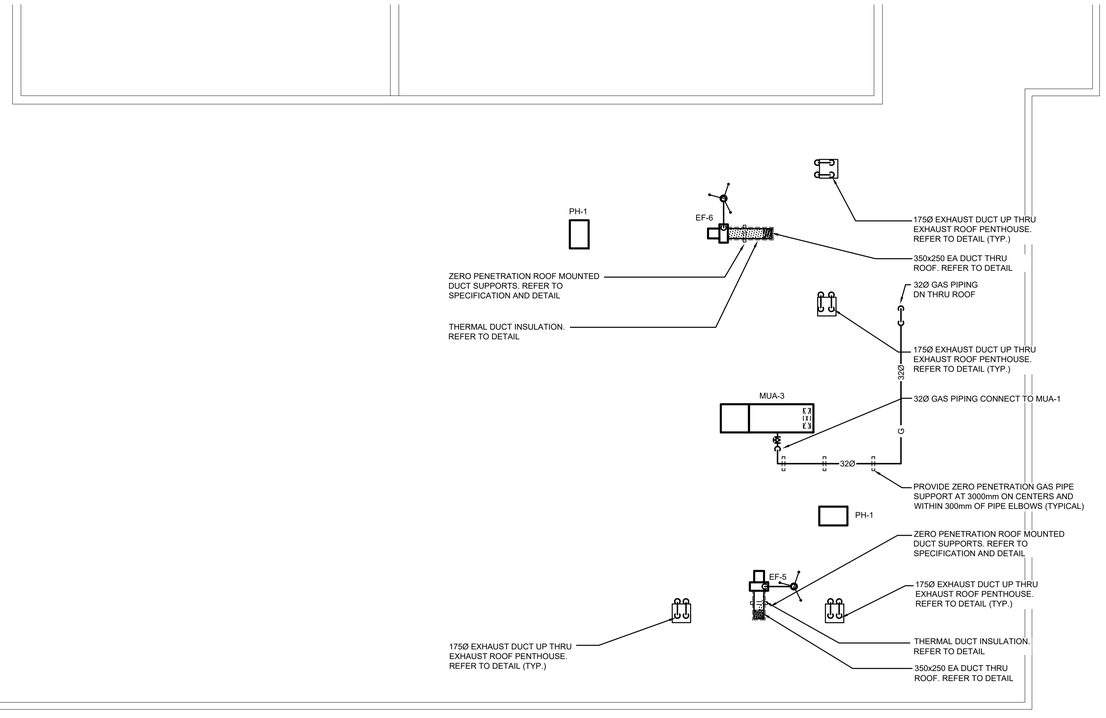
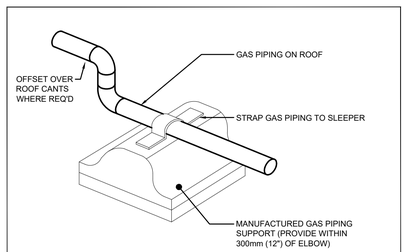
sheet no. M305 00

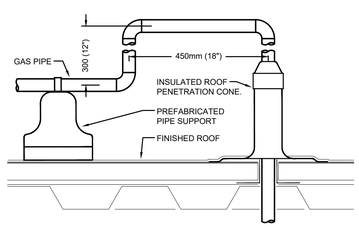


ROOF PART PLAN - RENOVATION

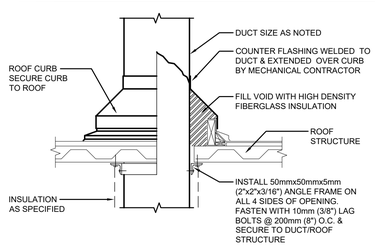
SCALE: 1:100



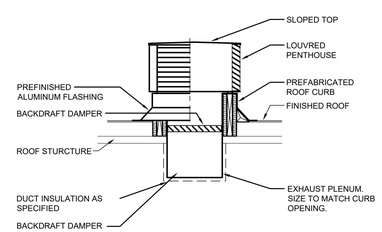
GAS PIPE SUPPORT ON ROOF



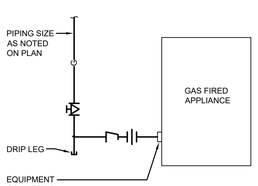
GAS PIPE THRU ROOF



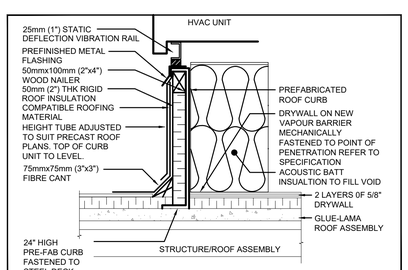
DUCT THRU ROOF



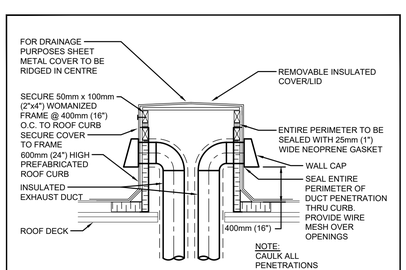
ROOFTOP EXHAUST PENTHOUSE



GAS PIPING CONNECTION



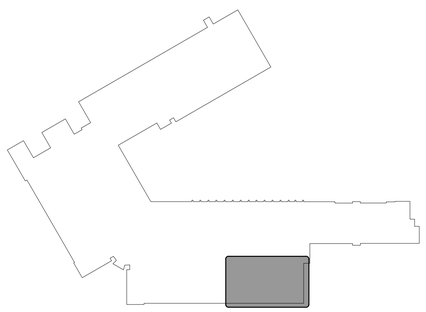
ROOF CURB INSULATION



EXHAUST ROOF CURB PENTHOUSE

GENERAL RENOVATION 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.



KEY PLAN

Waterloo Region District School Board

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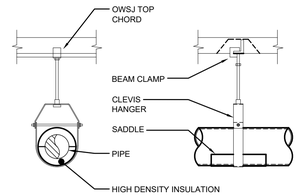
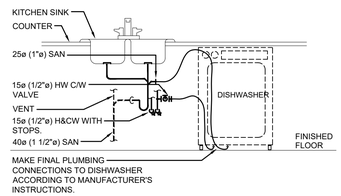


PIPE HANGER



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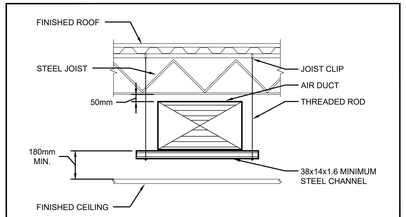
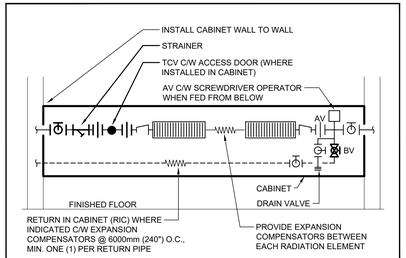
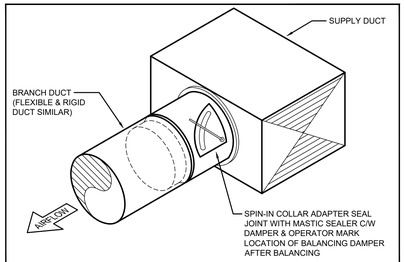


DUCT SUPPORT IN CEILING FROM STEEL FRAME



HEATING RADIATION PIPING MODIFICATIONS



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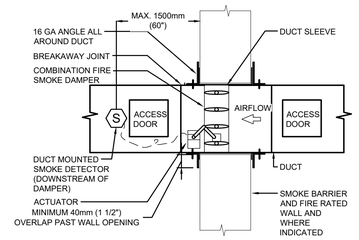
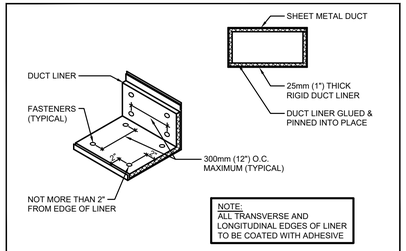
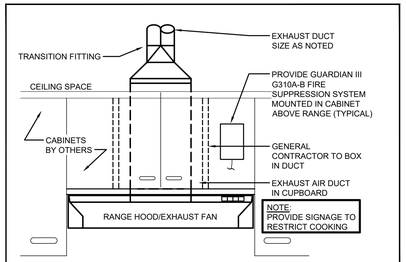


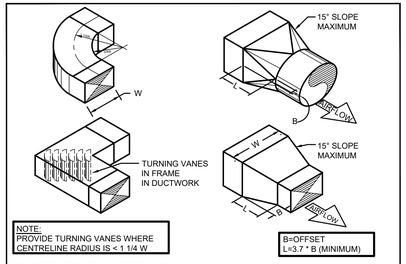
COMBINATION FIRE/SMOKE DAMPER INSTALLATION



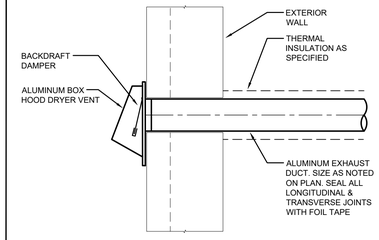
ACOUSTIC LINING



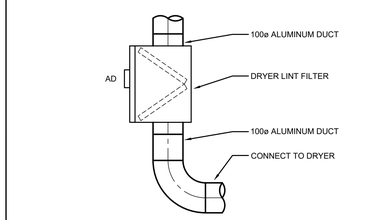
RANGE HOOD INSTALLATION W/ GUARDIAN FIRE SUPPRESSION



DUCT ELBOWS AND TRANSITIONS



DRYER VENT WALL CAP



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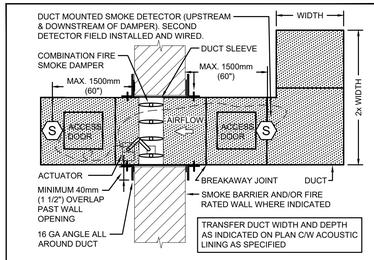
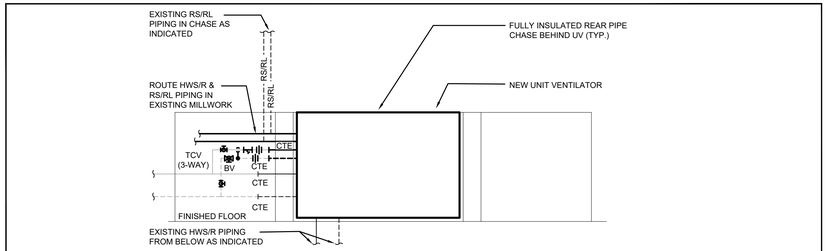


TRANSFER DUCT DETAIL WITH FIRE/SMOKE DAMPER (DUAL SENSOR)



NEW UNIT VENTILATOR INSTALL MODIFICATION

Waterloo Region District School Board

NOTE:
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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 26092

No.	REVISIONS	date
01	ISSUED FOR PERMIT AND TENDER	2025.04.10

PROJECT NORTH
TRUE NORTH
scale AS NOTED

LICENSED PROFESSIONAL ENGINEER 10 Apr 26 M.B. WHITE 100190704 PROVINCE OF ONTARIO

drawn	AP
last worked on 2026.03.17	by AP
checked	SO
print date	4.10.2026

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

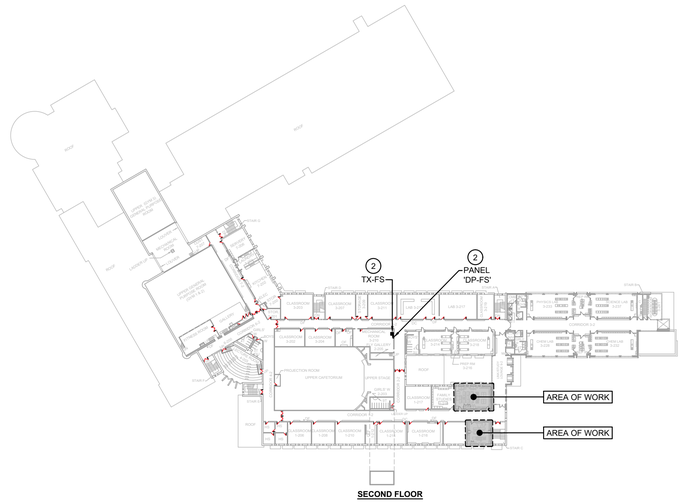
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
DETAILS

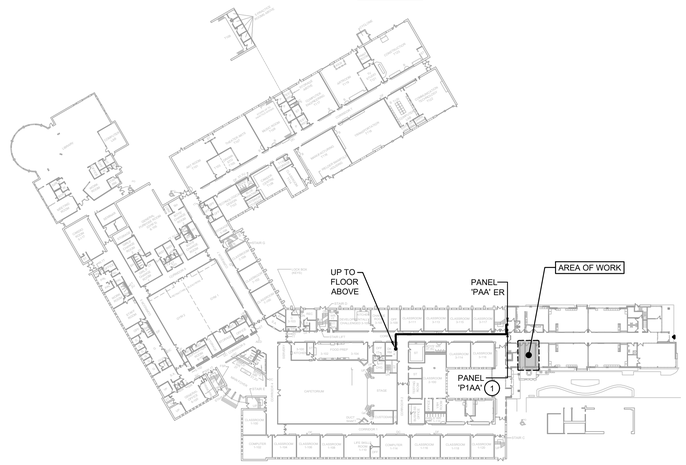
reference

project no. 25-092
client reference number

sheet no. M501 00



SECOND FLOOR



FIRST FLOOR

OVERALL PLAN

SCALE: 1:250

GENERAL NOTES

- '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 120/208V 225A PANEL 'P1AA' (SQUARE D TYPE NQ 3PH, 4W, 60 CIRCUIT). PROVIDE NEW BREAKER(S) AND FEED TO NEW LOADS AS INDICATED ON PLANS. PROVIDE UPDATED TYPEWRITTEN PANEL DIRECTORY.

CIRCUIT	NEW BREAKER	DESCRIPTION
1AA-57	15A-1P	NEW CORRIDOR FIRE SMOKE DAMPERS
1AA-59	15A-1P	CORRIDOR HEATER

2 INDICATES PROPOSED LOCATION OF NEW PANEL AND TRANSFORMER TO BE SUPPLIED AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT PLACEMENT WITHIN MECHANICAL ROOM WITH SCHOOLBOARD REPRESENTATIVE PRIOR TO INSTALL.

ELECTRICAL SYMBOLS

NOTE: ALL SYMBOLS MAY NOT BE USED

LIGHTING		POWER		FIRE ALARM	
X	LIGHT FIXTURE TYPE AS INDICATED		WALL MOUNTED RECEPTACLE (15A-120V)		HEAT DETECTOR (135 DEGREE RATE OF RISE AND FIXED TEMPERATURE)
	LIGHT FIXTURE (HATCHING DENOTES NIGHTLIGHT)		WALL MOUNTED T-SLOT RECEPTACLE (20A-120V)		HEAT DETECTOR (135 DEGREE FIXED TEMPERATURE)
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)		HEAT DETECTOR (194 DEGREE FIXED TEMPERATURE)
		S	RECEPTACLE MTD. ABOVE COUNTER S=SPLIT (15A-120V)		HEAT DETECTOR (195 DEGREE RATE OF RISE AND FIXED TEMPERATURE)
	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED	ST	STOVE RECEPTACLE	D	DUCT TYPE SMOKE DETECTOR
	POLE MOUNTED LIGHT FIXTURE	DR	DRYER RECEPTACLE	S	SMOKE DETECTOR (RL=RELAY BASE)
	WALL MOUNTED EXIT LIGHT SHADING INDICATES FACE		SPECIAL RECEPTACLE	CO	SMOKE ALARM C/W BATTERY BACK UP AND INTEGRAL STROBE LIGHT (CO INDICATES 3 IN 1 CARBON MONOXIDE/STROBE/SMOKE ALARM)
	CEILING MOUNTED EXIT LIGHT ARROWS DENOTE DIRECTION SHADING INDICATES FACE		QUAD RECEPTACLE		
	SINGLE OR TWIN EMERGENCY LIGHTING FIXTURE		WALL MOUNTED DUPLEX RECEPTACLE C/W TOP HALF SWITCHED (15A-120 VOLT)	CO	CARBON MONOXIDE DETECTOR C/W BATTERY BACK UP
EM-X 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)		DIRECT CONNECTION		PULLSTATION
		FB	FLOOR BOX C/W DEVICES AS NOTED (REFER TO SPECIFICATIONS)	AV	ALARM VALVE
	RECESSED BATTERY UNIT WITH INTEGRAL EMERGENCY FIXTURE.	JB	JUNCTION BOX	PS	PRESSURE SWITCH
	SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED)	PB	PULLBOX	SV	SUPERVISED VALVE
OS	OCCUPANCY SENSOR (PASSIVE)		PANEL AS INDICATED	FS	FLOW SWITCH
OSD/OSR	OCCUPANCY SENSOR: OSD=DUAL TECHNOLOGY OSR=DUAL CIRCUIT/DUAL TECHNOLOGY		FUSED DISCONNECT		ALARM BELL
OS	CEILING MOUNTED MOTION SENSOR		UNFUSED DISCONNECT		ALARM STROBE
WOC	WALL MOUNTED MOTION SENSOR	L.S.I.G A.R.M.S.	CIRCUIT BREAKER OF SIZE AND FEATURES AS NOTED (L = LONG TIME, S = SHORT TIME, I = INSTANTANEOUS, G = GROUND FAULT) (A.R.M.S. = ARCFLASH REDUCTION MAINTENANCE SYSTEM)	EOL	END-OF-LINE RESISTOR
DR	DIGITAL ROOM CONTROLLER			DH	DOOR HOLD OPEN DEVICE
PC	PHOTOCELL	VFD	VARIABLE FREQUENCY DRIVE	FSD	FIRE SMOKE DAMPER
DW	DIGITAL WALL DIMMER STATION	SPD	SURGE PROTECTION DEVICE. REFER TO SPECIFICATIONS.	HS	FIREFIGHTER'S HANDSET
NB	LIGHTING NETWORK BRIDGE	DVR	DUAL VOLTAGE RELAY	FIRE ALARM RISER	
EM	EMERGENCY LIGHTING RELAY		TIME CLOCK	SV	SUPERVISED VALVE
IO	LIGHTING INPUT/OUTPUT RELAY		0-15 MINUTE INTERVAL TIMER	FS	FLOW SWITCH
PK	ANALOG POWER PACK	S	SPEED CONTROLLER	MM	MONITORING MODULE
COMMUNICATIONS			MANUAL STARTER	RM	RELAY MODULE
#	SINGLE WALL MOUNTED TELEPHONE OUTLET C/W ¾" (13mm) C TO CABLE MANAGEMENT SYSTEM.		MAGNETIC STARTER	CM	CONTROL MODULE
	SINGLE COMPUTER OUTLET C/W ¾" (21mm) C TO CABLE MANAGEMENT SYSTEM.		COMBINATION MAGNETIC STARTER	SECURITY	
# 数据 VOICE DATA	COMBINATION SINGLE VOICE/ SINGLE COMPUTER OUTLET UNLESS OTHERWISE NOTED C/W 1" (27mm) C TO CABLE MANAGEMENT SYSTEM. # INDICATES THE QUANTITY OF ACTIVE PARTS. LEFT VALUE ALWAYS INDICATES VOICE.		DESTRATIFICATION FAN		SECURITY DETECTOR (SURFACE MOUNTED)
			SURFACE RACEWAY C/W DEVICES AS NOTED (REFER TO SPECIFICATIONS)		SECURITY SIREN (INSTALL 2400mm AFF) C/W 19mmC TO NEAREST SECURITY JUNCTION BOX
WAP	WIRELESS ACCESS POINT. PROVIDE ¾" (21mm) C TO CABLE MANAGEMENT SYSTEM	HD	HAND DRYER	KP	SECURITY KEYPAD (INSTALL 1100mm AFF) C/W 19mmC TO NEAREST SECURITY JUNCTION BOX
GENERAL			CLOCK AS PER SPECIFICATIONS		DOOR CONTACT C/W 19mmC TO NEAREST SECURITY JUNCTION BOX (REFER TO DETAIL)
ER	INDICATED EXISTING ITEM TO REMAIN	TV	TELEVISION OUTLET C/W 1"C (27mm) TO CABLE MANAGEMENT SYSTEM.		CONTACTOR
D	INDICATES EXISTING ITEM TO BE DELETED		HANGER SYSTEM (REFER TO DETAILS)	TSEN	LOW TEMPERATURE SENSOR. ROUGHIN AS A SINGLE GANG BOX MOUNTED HORIZONTALLY AT 150mm BELOW FINISHED CEILING LEVEL.
					MOTOR CONNECTION
R	INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION		ADMINISTRATIVE CONTROL CONSOLE	PP	POWER POLE
WG	WIREGUARD		HANDSET (ND = NON-DIAL STYLE)	RA	THERMOSTAT (RA=REVERSE ACTING)
GF	GROUND FAULT	CS	P.A. CALL SWITCH		CEILING MOUNTED CAMERA
WP	WEATHERPROOF	CS	WALL MOUNTED SPEAKER (CS=COLUMN SPEAKER)		SOLENOID VALVE
TR	TAMPER RESISTANT		WALL MOUNTED SPEAKER C/W CALL-IN SWITCH	CS	CURRENT SENSOR
CLG	CEILING MOUNTED		CEILING MOUNTED SPEAKER		TRANSFORMER
X	NOTE INDICATOR		PROGRAM BELL	ELECTRIC HEAT	
X	MECHANICAL ITEM NO.		HORN SPEAKER	X	BASEBOARD ELECTRIC HEATER (TYPE AS INDICATED)
A	OWNERS EQUIPMENT ITEM NO.		MICROPHONE OUTLET	X	FAN FORCED ELECTRIC HEATER (TYPE AS INDICATED)
STANDARD CIRCUIT LABELING			DOOR BELL	X	UNIT HEATER (TYPE AS INDICATED)
A-1-1 POWER PANEL LABEL / CIRCUIT INDICATION / SWITCH LEG (IF APPLICABLE)		A	AUXILIARY ROUGH-IN FOR USE AS NOTED.	SAFE WELCOME DEVICES	
				M	MONITOR
				PS	POWER SUPPLY
				CSS	CALL SWITCH STATION
					MS
					ES
					PTL
				EM	EMERGENCY PUSH BUTTON STATION
				DLH	"ASSISTANCE REQUIRED" DOME LIGHT WITH SOUNDER
				A	"ASSISTANCE REQUIRED" INDICATOR LIGHT WITH SOUNDER
				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.

Waterloo Region District School Board

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MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road, Waterloo, ON N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 26092

No.	REVISIONS	date
01	ISSUED FOR PERMIT AND TENDER	2025-04.02

Professional Engineers Ontario
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100230476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction
Association of Professional Engineers of Ontario
04-2-2026

PROJECT NORTH

drawn	CT
last worked on 4.2.2026	by CT
checked	DM
scale	AS NOTED

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

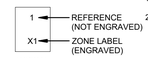
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
OVERALL KEYPLAN AND LEGEND

reference

project no. 25-092
client reference number

sheet no. E101 00



TYPICAL BUTTON ENGRAVING

NOTES:

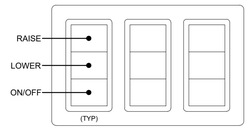
1 REFER TO LIGHTING PLANS FOR GROUPINGS.

2 WALLSTATION BUTTONS TO BE ENGRAVED WITH LABELS ACCORDING TO LEVEL AS NOTED. COORDINATE LABELS WITH 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 SPECIFICTIONS.

3 REFER TO SPECIFICATIONS FOR INFORMATION REGARDING PROGRAMMING OF INPUT DEVICES AND DIGITAL WALLSTATIONS PER ROOM TYPE.

A-TYPICAL WALLSTATION BUTTON ENGRAVING

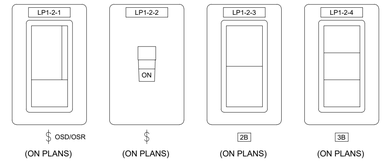
SCALE: NTS



B- WALLSTATION CONFIGURATION

SCALE: NTS

OM OM OM
ON PLANS



NOTES:

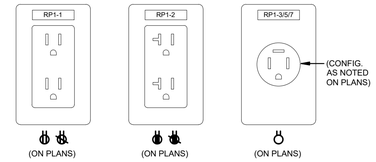
1 LIGHT SWITCHES ARE TO BE C/W P-TOUCH LABEL.

2 LABEL IS TO BE WHITE WITH TYPE-WRITTEN BLACK LETTERING AND PLACED CENTERLINE OF SWITCH AS SHOWN.

3 CIRCUIT DESCRIPTOR IS TO BE C/W POWER PANEL, CIRCUIT INDICATION, AND SWITCH LEG.

C-LIGHT SWITCH LABELLING DETAIL

SCALE: NTS



NOTES:

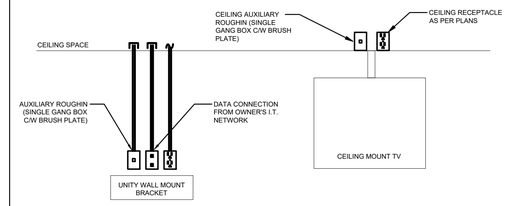
1 RECEPTACLES ARE TO BE C/W P-TOUCH LABEL.

2 LABEL IS TO BE WHITE WITH TYPE-WRITTEN BLACK LETTERING AND PLACED CENTERLINE OF RECEPTACLE AS SHOWN.

3 CIRCUIT DESCRIPTOR IS TO BE C/W POWER PANEL AND CIRCUIT INDICATION.

D-RECEPTACLE LABELLING DETAIL

SCALE: NTS



NOTES:

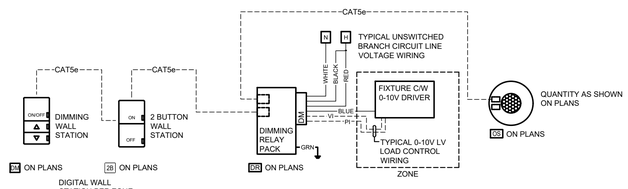
1 COORDINATE EXACT LOCATION ON SITE WITH UNITY INSTALLER.

G-UNITY SYSTEM ROUGH-IN DETAIL

SCALE: NTS

WIRING LEGEND

- - CAT5e - - PLUG-N-PLAY UTP LOCAL CONTROLS DEVICE INTERCONNECTION WIRING
—BLACK— LINE VOLTAGE WIRING IN CONDUIT (BLACK, WHITE, RED, BLUE)
- - - -VI- - - - 0-10V RELAY TO LOAD LOW VOLTAGE CONTROL WIRING (VI, PI)
- -CAT5e (N)- - UTP BUILDING CONTROLS NETWORK INTERCONNECTION WIRING (DEVICE TO NETWORK BRIDGE/NETWORK BRIDGE TO NETWORK HUB)



NOTES:

1 TYPICAL LIGHTING CONTROLS SYSTEM WIRING & DEVICE INSTALLATION DETAIL IS DIAGRAMMATIC AND INDICATES BASIC CONNECTION REQUIREMENTS FOR LIGHTING CONTROLS SYSTEMS COMPONENT AND CONTROLLED LOAD WIRING. REFER TO SPECIFIC LIGHTING CONTROL SEQUENCE DETAIL AND SEQUENCE OF OPERATION FOR EACH SPACE TYPE.

2 PLUG-N-PLAY CONTROL WIRING AS INDICATED TO SUIT MANUFACTURER IS TO BE FIELD INSTALLED PLENUM RATED CAT5E CABLE C/W RJ45 CONNECTORS PROVIDED, INSTALLED, AND TESTED BY ELECTRICAL TRADE.

3 DIGITAL RELAYS ARE TO BE MOUNTED ON A JUNCTION BOX IN ACCESSIBLE LOCATION (CEILING SPACE, HIGH LEVEL ON WALL, ETC.) AS SHOWN AND NOTED ON PLANS.

4 CONTROLS SYSTEM DEVICE INTERCONNECTION WIRING IS TO BE PER MANUFACTURER REQUIREMENTS AND CONSIST OF UTP CABLE IN CONDUIT OR PLENUM RATED UTP CABLE INSTALLED NEATLY IN CEILING SPACE WITH CABLE SUPPORTS. ALL CONTROLS SYSTEM UTP CABLING TO BE C/W FIELD INSTALLED CONNECTORS. REFER TO SPECIFICATIONS.

5 0-10V LV LOAD CONTROLS WIRING SHALL BE PER STANDARD 0-10V CONFIGURATION CONSISTING OF 2#18 MINIMUM.

6 CEILING MOUNTED OCCUPANCY SENSORS SHALL BE INSTALLED ONTO SUITABLE BACKBOX PER MANUFACTURER REQUIREMENTS AND LOCATED A MINIMUM OF 605mm (24") FROM CEILING DIFFUSERS AND 300mm (12") FROM ADJACENT LIGHT FIXTURES. COORDINATE FINAL SENSOR LOCATIONS ON SITE TO ENSURE ADEQUATE COVERAGE.

7 WALL STATIONS SHALL BE GANGED TOGETHER IN COMMON BACKBOX WITH COMMON FACEPLATE IN GROUPINGS AS INDICATED ON PLANS.

8 REFER TO FLOOR PLANS FOR LIGHTING AND LOAD CONTROLLED BRANCH CIRCUIT DESIGNATIONS AND LOAD ZONING CONFIGURATIONS.

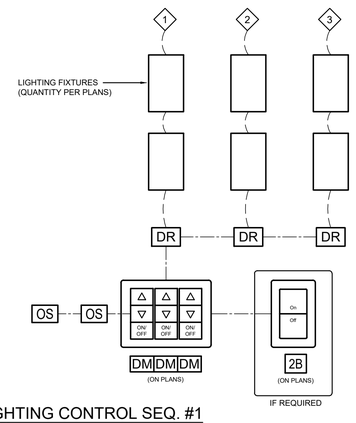
9 REFER TO PROJECT SPECIFICATIONS FOR LIGHTING CONTROLS SYSTEM PRODUCT CATALOG NUMBERS AND ACCEPTABLE MANUFACTURERS.

10 REFER TO FLOOR PLANS FOR QUANTITIES AND LOCATIONS OF INDICATED DEVICES.

11 INCLUDE EXTENSION OF UNSWITCHED NORMAL LIGHTING CIRCUIT FROM ADJACENT SPACE FOR EMERGENCY RELAY LINE SENSE CONNECTIONS PER CONTROLS MANUFACTURER RECOMMENDATIONS.

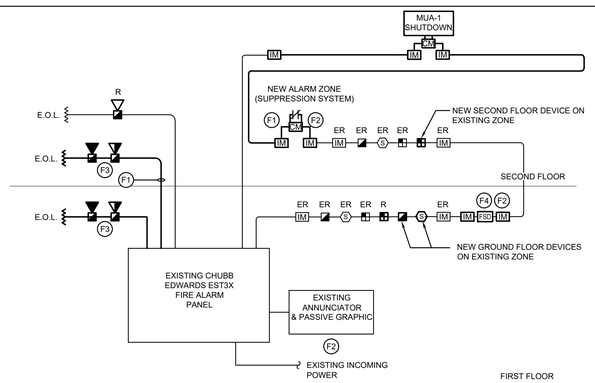
E-TYPICAL LIGHTING CONTROLS SYSTEM WIRING & DEVICE INSTALLATION DETAIL

SCALE: NTS



F-LIGHTING CONTROL SEQ. #1

SCALE: NTS



NOTES:

F1 CONFIRM WIRING REQUIREMENTS WITH RESPECTIVE SYSTEM MANUFACTURER.

F2 INDICATES EXISTING PASSIVE GRAPHIC AND ANNUNCIATOR TO BE REVISED WITH NEW FIRE SUPERVISORY/ALARM ZONES. PROVIDE ALTERNATIVE LAYOUT FOR EACH PASSIVE GRAPHIC ORIENTATION VIA SHOP DRAWING SUBMISSION. REVISE ORIENTATION AND "YOU ARE HERE" LOCATION TO SUIT.

F3 ELECTRICAL CONTRACTOR IS TO PROVIDE BOOSTER MODULE FOR NEW SIGNAL CIRCUIT AND EXISTING SIGNAL CIRCUIT TO SUPPORT ADDITIONAL SIGNAL DEVICES.

F4 INDICATES 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.

ALL EXISTING ZONES ARE NOT SHOWN ON RISER. OBTAIN COPY OF EXISTING GRAPHIC AND UPDATE TO SUIT NEW LAYOUT AND ADDITIONAL ZONES. SUBMIT SHOP DRAWING. INCLUDE FOR INTEGRATED LIFE SAFETY TESTING PER SPECIFICATIONS.

K-PARTIAL FIRE ALARM RISER DIAGRAM

SCALE: NTS

Waterloo Region District School Board

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Website: deiassociates.ca
Project Number: 26092

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01	ISSUED FOR PERMIT AND TENDER	2025-04.02

Professional Engineers Ontario
04-2-2026
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100230476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction
Association of Professional Engineers of Ontario

drawn: CT
last worked on: 4.2.2026 by: CT
checked: DM
scale: AS NOTED

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
DETAILS

reference

project no. 25-092
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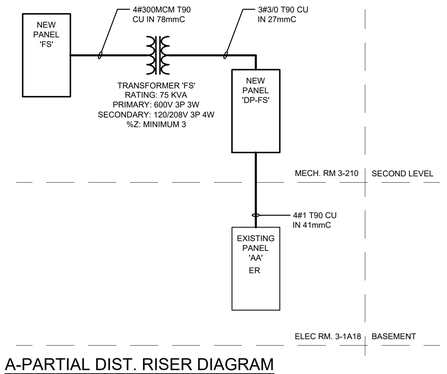
sheet no. E102 00



A-PARTIAL DIST. RISER DIAGRAM

SCALE: NTS

EQUIPMENT WIRING SCHEDULE

E = ELECTRICAL
M = MECHANICAL
O = OTHERS

Description			Electrical Data				Starter						Ctrl Device				Isolating Device				Remote Items														Other		Interlock		
Mechanical Item	Description	Provided By	Voltage	Size hp/kW/Amps	Phase	MOCP	Magnetic	Manual	Combination	Contactor	VFD	ECM	Hand/Off/Auto	On/Off Selector	Start/Stop PB.	High/Low/Off	Pilot Light	Motor Rated Switch c/w 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	Miscellanous 1	Miscellanous 2	Interlock to	Interlock by	Remarks
EF-1	RESIDENTIAL RANGE HOOD	M	120	FHP	1														E		E	E				M														
EF-5	ROOF TOP NFPA	M	208	1/2 HP	3								E							E	E	E											M	M/E	M	M			MUA-3	E	HAND-OFF-AUTO SHALL ONLY HAVE HAND AND AUTO FUNCTIONALITY. ON/OFF OF FAN VIA KITCHEN HOOD CONTROL PANEL
MUA-3	OUTDOOR KITCHEN MUA	M	208	6.38 AMP	3	15														E	E	E	M											M	M	M			EF-5	E	
UV-1-220	UNIT VENTILATOR	M	120	6.3 AMP	1	15													E		E	E	M											M	M	M			CU-1-220	M	
H-1	CABINET HEATER	M	120	FHP	1														E		E	E	M											M	M	M					

LIGHTING CONTROL SYSTEMS SEQUENCE OF OPERATION

Space Type	Room Names	Control Sequence / Control Device(s):	Control System
Classrooms	TYPICAL	Sequence: ON: Lights turned on to 50% output setting via occupancy sensor(s). ADJUST: The occupant manually adjusts lighting rows within the room to desired level or preset via scene station. OFF: 5 minutes after the room has been vacated, the lights will automatically turn off. OVERRIDE: User manually adjusts fixture zone lighting levels or on/off and that state shall remain without reverting to previous state unless sensors do not detect occupancy for extended period, whereby normal sensor operation is to resume.	DIGITAL ROOM CONTROL SYSTEM

SYSTEM DESCRIPTIONS:

DIGITAL OCCUPANCY AND DAYLIGHT CONTROL SYSTEMS
DIGITAL ROOM CONTROL RELAY POWER PACKS.

REFER TO SPECIFICATIONS SECTION 26 05 75.

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

REFER TO SPECIFICATIONS SECTION 26 05 75.

LIGHT FIXTURE SCHEDULE (INTERIOR)

Item	Manufacturer/Catalog Number	Voltage	Lamp					Mounting	Required Listings	Description
			Type	Lumens	Colour Temperature	Wattage	CRI			
A1	COOPER CAT. #24CZ2-LD5-40-UNV-L840-CD-1 LITHONIA CAT. #2BLT4 40L ADSM MVOLT GZ1 LP840 GENLYTE CFI CAT. #2FGXG43L840-4-R-UNV-DIM	120V	LED	4257	4000K	30.4W	80	RECESSED	N/A	2'X4' (610mmX1220mm) VOLUMETRIC LED TROFFER C/W SMOOTH FROSTED ACRYLIC CENTRE LENS, 1% 0-10V DIMMING DRIVER, AND WHITE FINISH.
EMERG. BATT. (LINEAR STYLE)	AIMLITE #EBWL SERIES: EM-7 #EBWL-EMWHT-TB-2-ATD/VDR LUMACELL #LBL SERIES EM-7 #LBL-EM C/W KIT-5R-L	120V	LED	N/A	N/A	14W	N/A	RECESSED	IC	LONG LIFE, SEALED RECHARGABLE VANDAL RESISTANT BATTERY C/W ADJUSTABLE 14W LED MODULES, POLYCARBONATE BODY, 90 MINUTE BATTERY DURATION, RECESSED T-BAR MOUNTING, AND AUTOTEST FEATURE.
EXIT LIGHTS	AIMLITE CAT. #RPALWUMWHTUNVDC STANPRO CAT. #RMTE00UMBA-UDC/BBX-TE-BA-U LUMACELL CAT. #LA3WU	12V/120V	LED	N/A	N/A	2.5 WATT (MAX.)AC 2 WATT (MAX.)DC	N/A	SURFACE	N/A	LED 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.

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. TENDER PRICE TO INCLUDE ONLY APPROVED MANUFACTURERS LISTED ON SCHEDULE. EQUAL MANUFACTURERS ARE NOT BEING CONSIDERED FOR THIS TENDER UNLESS SPECIFICALLY IDENTIFIED ON SCHEDULE FOR NOTED FIXTURE TYPES. FOR NOTED APPROVED EQUALS TO BE CONSIDERED APPROVED, MANUFACTURERS/SUPPLIERS MUST CONFIRM THE PROPOSED EQUAL BY EMAIL WITH CONSULTANTS OFFICE PRIOR TO PROJECT ADDENDUM PERIOD CLOSE.
3. IT IS THE RESPONSIBILITY OF THIS ELECTRICAL CONTRACTOR TO IDENTIFY TO THE ELECTRICAL CONSULTANT'S ATTENTION ANY DISCREPANCIES BETWEEN THE FIXTURE CATALOG NUMBER AND FIXTURE DESCRIPTION, AND OR VOLTAGE, OUTPUT, OR MOUNTING, 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 THE TIME OF SHOP DRAWING REVIEW. FOR THE PURPOSES OF BIDDING, INCLUDE FOR A FIXTURE MATCHING THE VOLTAGE, MOUNTING, LOCATION AND NOTATIONS SHOWN ON LIGHTING DESIGN DRAWINGS.

EXISTING PANEL 'AA'

MAINS: 225A
VOLTAGE: 347/600V
RATING: 3P 4W
NEUTRAL: FULL
MOUNTING: SURFACE
ACCESSORIES: SPRINKLER HOOD

CONTRACTOR TO COORDINATE FINAL ROOM NAMES AND NUMBERS NOTED WITH INFORMATION ISSUES DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

	Description	Breaker	Type	Circuit#	A	B	C	Circuit#	Type	Breaker	Description	
ER	ROOFTOP HEATING/HV-2 UNIT	30A	--	1	•			2	--	20A	EXTERIOR PARKING LTG.	ER
ER			--	3		•		4	--		SPACE	ER
ER		3P	--	5			•	6	--		SPACE	ER
ER	ROOFTOP HEATING/HV-3 UNIT	30A	--	7	•			8	--		SPACE	ER
ER			--	9		•		10	--		SPACE	ER
ER		3P	--	11			•	12	--		SPACE	ER
ER	ROOFTOP HEATING/HV-4 UNIT	30A	--	13	•			14	--		SPACE	ER
ER			--	15		•		16	--		SPACE	ER
ER		3P	--	17			•	18	--		SPACE	ER
ER	SPACE		--	19	•			20	--		SPACE	ER
ER	SPACE		--	21		•		22	--		SPACE	ER
ER	SPACE		--	23			•	24	--		SPACE	ER
ER	SPACE		--	25	•			26	--		SPACE	ER
ER	SPACE		--	27		•		28	--		SPACE	ER
ER	SPACE		--	29			•	30	--		SPACE	ER
ER	SPARE	90A	--	31	•			32	--	20A	SPARE	ER
ER			--	33		•		34	--	20A	SPARE	ER
ER		3P	--	35			•	36	--	20A	SPARE	ER
ER	TRANSFORMER 'A1'	90A	--	37	•			38	--	15A	SPARE	ER
ER			--	39		•		40	--	15A	SPARE	ER
ER		3P	--	41			•	42	--	15A	SPARE	ER

PROPOSED PANEL 'AA'

	Description	Breaker	Type	Circuit#	A	B	C	Circuit#	Type	Breaker	Description	
ER	ROOFTOP HEATING/HV-2 UNIT	30A	--	1	•			2	--	20A	EXTERIOR PARKING LTG.	ER
ER			--	3		•		4	--		SPACE	ER
ER		3P	--	5			•	6	--		SPACE	ER
ER	ROOFTOP HEATING/HV-3 UNIT	30A	--	7	•			8	--		SPACE	ER
ER			--	9		•		10	--		SPACE	ER
ER		3P	--	11			•	12	--		SPACE	ER
ER	ROOFTOP HEATING/HV-4 UNIT	30A	--	13	•			14	--		SPACE	ER
ER			--	15		•		16	--		SPACE	ER
ER		3P	--	17			•	18	--		SPACE	ER
ER	SPACE		--	19	•			20	--		SPACE	ER
ER	SPACE		--	21		•		22	--		SPACE	ER
ER	SPACE		--	23			•	24	--		SPACE	ER
ER	SPACE		--	25	•			26	--	125A	DIST. PANEL 'DP-FS'	NB
ER	SPACE		--	27		•		28	--			
ER	SPACE		--	29			•	30	--	3P		
ER	SPARE	90A	--	31	•			32	--	20A	SPARE	ER
ER			--	33		•		34	--	20A	SPARE	ER
ER		3P	--	35			•	36	--	20A	SPARE	ER
ER	TRANSFORMER 'A1'	90A	--	37	•			38	--	15A	SPARE	ER
ER			--	39		•		40	--	15A	SPARE	ER
ER		3P	--	41			•	42	--	15A	SPARE	ER

DESIGNATION
'ER' INDICATES EXISTING SERVICE AND BREAKER THAT SHOULD REMAIN UNLOCKED.
'SP' INDICATES EXISTING BREAKER THAT MAY BECOME SPARE DUE TO DEMOLITION. (CONFIRM ON SITE).
'RW' INDICATES EXISTING BREAKER THAT SHOULD BE REWIRED TO SERVICE DEVICES INDICATED ON PLAN.
'SB' INDICATES SPARE BREAKER TO BE USED FOR NEW SERVICE INDICATED.
'NB' INDICATES NEW BREAKER AND WIRING TO SERVICE INDICATED. PROVIDE MOUNTING HARDWIRE AS REQUIRED.
'D' INDICATES EXISTING BREAKER TO BE REMOVED COMPLETE. PROVIDE FILLER PLATES AS REQUIRED.

NOTES:
THIS CONTRACTOR IS TO INVESTIGATE BREAKERS AND REVISE PANEL SCHEDULES TO SUIT RENOVATION, NOTING ANY BREAKERS THAT BECOME SPARE DUE TO DEMOLITION. THIS CONTRACTOR IS ALSO TO NOTIFY THE CONSULTANT OF ANY BREAKERS THAT ARE INDICATED TO BE DEMOLISHED OR REUSED, BUT WHICH ARE IN USE BY OTHER DEVICES OR SERVICES.

PANEL 'FS'

MAINS: 400A
VOLTAGE: 120/208V
RATING: 3P 4W
NEUTRAL: FULL
MOUNTING: RECESSED
ACCESSORIES:

CONTRACTOR TO COORDINATE FINAL ROOM NAMES AND NUMBERS NOTED WITH INFORMATION ISSUES DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

Description	Breaker	Type	Circuit#	A	B	C	Circuit#	Type	Breaker	Description
UNIT VENTILATOR UV-1-220	15A	--	1	•			2	--	15A	C.R 1-220 RANGEHOOD
FAM. STUD. 220 MW REC	20A	--	3		•		4	--	15A	C.R 1-220 RANGEHOOD
FAMILY STUDIES FSD'S	15A	--	5			•	6	--	15A	C.R 1-220 RANGEHOOD
FAM. STUD. 220 DRYER REC	30A	--	7	•			8	--	15A	C.R 1-220 RANGEHOOD
	2P	--	9		•		10	--	50A	FAM. STUD. 220 STOVE REC
FAM. STUD. 220 STOVE REC	50A	--	11			•	12	--	2P	
	2P	--	13	•			14	--	50A	FAM. STUD. 220 STOVE REC
FAM. STUD. 220 STOVE REC	50A	--	15		•		16	--	2P	
	2P	--	17			•	18	--	50A	FAM. STUD. 220 STOVE REC
FAM. STUD. 220 WASH. MACH.	20A	--	19	•			20	--	2P	
FAM. STUD. 220 FRIDGE REC	15A	--	21		•		22	--	20A	FAM. STUD. 220 T-SLOT RECS
FAM. STUD. 220 FRIDGE REC	15A	--	23			•	24	--	20A	FAM. STUD. 220 T-SLOT RECS
TEACHER DESK RECEPTACLE	15A	--	25	•			26	--	20A	FAM. STUD. 220 T-SLOT RECS
PROJECTOR RECEPTACLE	15A	--	27		•		28	--	20A	FAM. STUD. 220 T-SLOT RECS
CEILING TV RECEPTACLE	15A	--	29			•	30	5mA	15A	DISHWASHER
ISLAND T-SLOT REC	20A	--	31	•			32	5mA	15A	NFPA HOOD LTG
ISLAND T-SLOT REC	20A	--	33		•		34	--	15A	UNITY SYSTEM POWER
FAM. STUD. 221 PROJECTOR	15A	--	35			•	36	--	15A	FAM. STUD. 221 UNITY RECS
FAM. STUD. 220 GEN. RECS	15A	--	37	•			38	--	20A	FAM. STUD. 220 T-SLOT RECS
SPACE		--	39		•		40	--	20A	FAM. STUD. 220 T-SLOT RECS
SPACE		--	41			•	42	--		SPACE
SPACE		--	43	•			44	--		SPACE
SPACE		--	45		•		46	--		SPACE
SPACE		--	47			•	48	--		SPACE
SPACE		--	49	•			50	--		SPACE
ROOFTOP NFPA EXHAUST EF-5	15A	--	51		•		52	--		SPACE
		--	53			•	54	--	20A	ROOFTOP T-SLOT RECEPTACLE
	3P	--	55	•			56	--	15A	INDOOR KITCHEN MUA -3
SPACE		--	57		•		58	--		
SPACE		--	59			•	60	--	3P	
SPACE		--	61	•			62	--		SPACE
SPACE		--	63		•		64	--		SPACE
SPACE		--	65			•	66	--		SPACE
SPACE		--	67	•			68	--		SPACE
SPACE		--	69		•		70	--		SPACE
SPACE		--	71			•	72	--		SPACE

NOTES:
THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 10000 AIC. PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

PANEL 'DP-FS'

MAINS: 225A
VOLTAGE: 347/600V
RATING: 3P 4W
NEUTRAL: FULL
MOUNTING: SURFACE
ACCESSORIES: SPRINKLER HOOD

CONTRACTOR TO COORDINATE FINAL ROOM NAMES AND NUMBERS NOTED WITH INFORMATION ISSUES DURING CONSTRUCTION AND ADJUST DIRECTORIES TO SUIT.

Description	Breaker	Type	Circuit#	A	B	C	Circuit#	Type	Breaker	Description
SPARE	15A	--	1	•			2	--	15A	SPARE
		--	3		•		4	--		
	3P	--	5			•	6	--	3P	
SPACE		--	7	•			8	--		SPACE
SPACE		--	9		•		10	--		SPACE
SPACE		--	11			•	12	--		SPACE
SPACE		--	13	•			14	--		SPACE
SPACE		--	15		•		16	--		SPACE
SPACE		--	17			•	18	--		SPACE
SPACE		--	19	•			20	--		SPACE
SPACE		--	21		•		22	--		SPACE
SPACE		--	23			•	24	--		SPACE
SPACE		--	25	•			26	--		SPACE
SPACE		--	27		•		28	--		SPACE
SPACE		--	29			•	30	--		SPACE
SPACE		--	31	•			32	--		SPACE
SPACE		--	33		•		34	--		SPACE
SPACE		--	35			•	36	--		SPACE
SPARE	90A	--	37	•			38	--	90A	TX-FS
		--	39		•		40	--		
	3P	--	41			•	42	--	3P	

NOTES:
THE INDICATED PANEL ASSEMBLY MUST HAVE AN INTERRUPTING CAPACITY OF 10000 AIC. PROVIDE BY EITHER FULLY RATED BREAKERS OR INTEGRATED EQUIPMENT RATING WITH THE UPSTREAM BREAKER.

Waterloo Region District School Board

NOTE:
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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.
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DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
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Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 26092

No.	REVISIONS	date
01	ISSUED FOR PERMIT AND TENDER	2025-04.02

Professional Engineers Ontario
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100230476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction
Association of Professional Engineers of Ontario
04-2-2026

drawn: CT
last worked on: 4.2.2026
by: CT
checked: DM
scale: AS NOTED

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

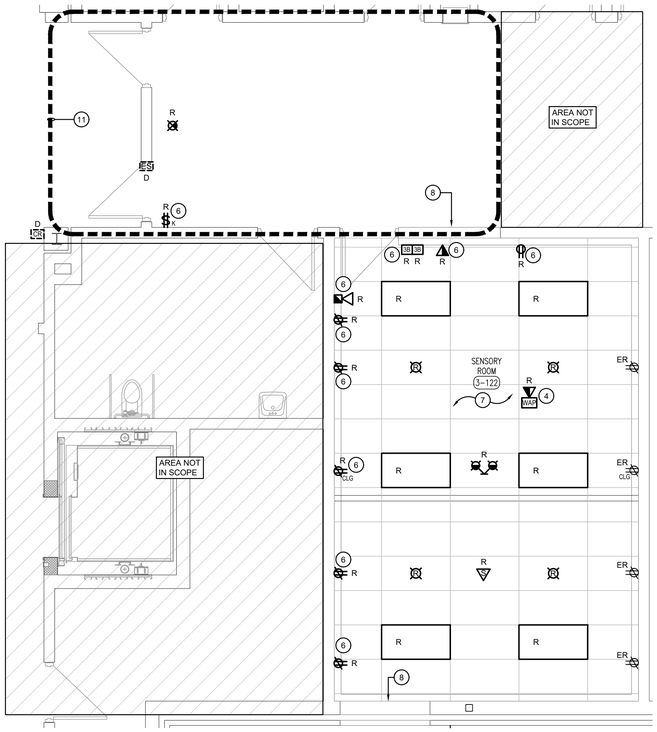
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
SCHEDULES

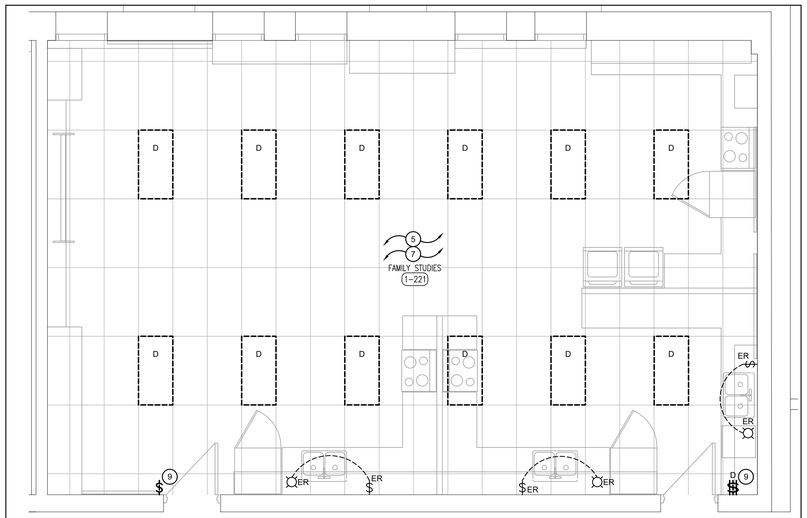
reference

project no. 25-092
client reference number

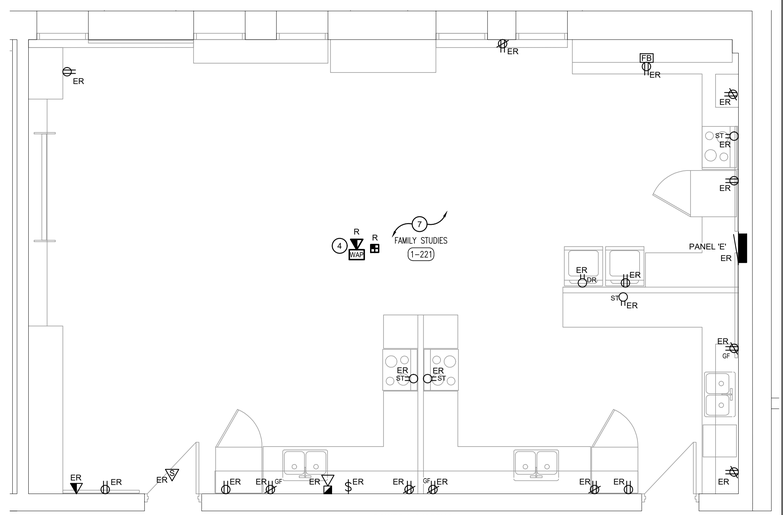
sheet no. E103 00



A - SENSORY ROOM 3-122 - DEMOLITION PLAN
SCALE: 1:50

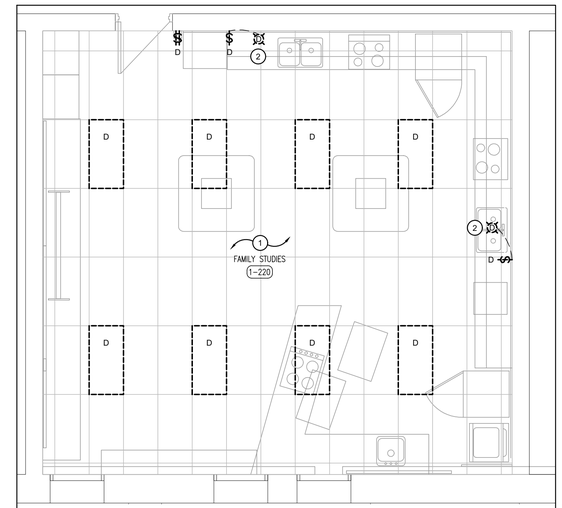


LIGHTING

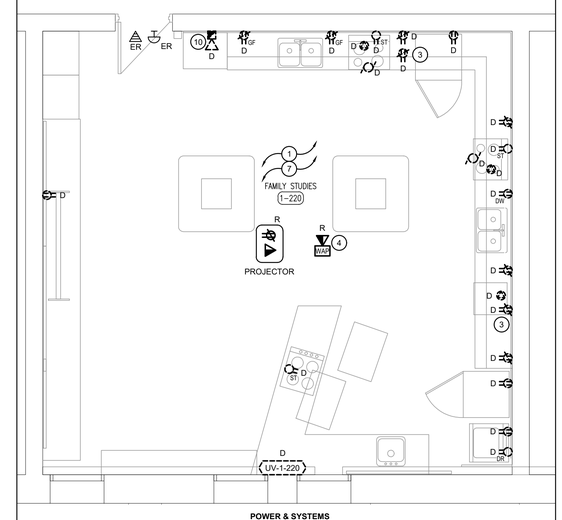


POWER & SYSTEMS

B - FAMILY STUDIES 1-221 - DEMOLITION PLAN
SCALE: 1:50



LIGHTING



POWER & SYSTEMS

C - FAMILY STUDIES 1-220 - DEMOLITION PLAN
SCALE: 1:50

GENERAL DEMOLITION NOTES

- 'ER' DENOTES 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 DEMOLISHED. 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 DEMOLITION NOTES

1 ALL ELECTRICAL DEVICES LOCATED WITHIN AREA ARE TO BE REMOVED COMPLETELY UNLESS OTHERWISE NOTED. PULL BACK EXISTING BRANCH CIRCUITS AND CONDUIT TO SOURCE.

2 INDICATED DEVICES ARE TO BE REMOVED COMPLETE FROM MILLWORK.

3 INDICATED MICROWAVE RECEPTACLE TO BE REMOVED COMPLETE.

4 PROTECT EXISTING DATA CABLING FOR WIRELESS ACCESS POINT DURING CEILING WORK, RE-INSTALL PER RENOVATION PLAN.

5 FIXTURES ARE TO BE DISCONNECTED AND REMOVED. MAINTAIN WIRING FOR CONNECTION TO NEW FIXTURES AND CONTROLS AS NOTED ON THE RENOVATION DRAWINGS.

SPECIFIC DEMOLITION NOTES CONT'D

6 INDICATED DEVICES ARE TO BE DISCONNECTED AND RELOCATED AS PER RENOVATION PLAN. CONTRACTOR TO INCLUDE TO EXTEND ALL WIRING/CONDUIT TO SUIT RENOVATION.

7 ALL CEILING DEVICES WITHIN THIS AREA ARE TO BE REMOVED AND RELOCATED AS PER RENOVATION. CONTRACTOR TO INCLUDE TO EXTEND ALL WIRING/CONDUIT TO SUIT RENOVATION.

8 INDICATED WALL TO BE REMOVED TO ALLOW FOR INSTALLATION OF NEW DOOR. ELECTRICAL CONTRACTOR TO RELOCATE / EXTEND EXISTING FEEDS WITHIN WALL AS REQUIRED.

9 INDICATED SWITCHES ARE TO BE REMOVED COMPLETE. MAINTAIN EXISTING BACKBOX FOR RECONNECTION TO NEW CONTROL DEVICES AS PER RENOVATION PLANS.

10 INDICATED FIRE ALARM DEVICE IS TO BE DISCONNECTED AND REMOVED COMPLETE. MAINTAIN EXISTING WIRING FOR RECONNECTION TO NEW FIRE ALARM DEVICE(S) AS PER RENOVATION PLANS. CONTRACTOR TO EXTEND WIRING/CONDUIT TO SUIT RENOVATION PLANS.

11 REMOVE AND REINSTALL LIGHTING AND CEILING DEVICES IN THIS AREA AS REQUIRED FOR CEILING WORK.

Waterloo Region District School Board

NOTE:

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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.

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MECHANICAL | ELECTRICAL | AQUATIC
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Project Number: 26092

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Professional Engineers Ontario
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100230476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction
Association of Professional Engineers of Ontario
04-2-2026

PROJECT NORTH

drawn	CT
last worked on 4.2.2026	by CT
checked	DM
scale	AS NOTED

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

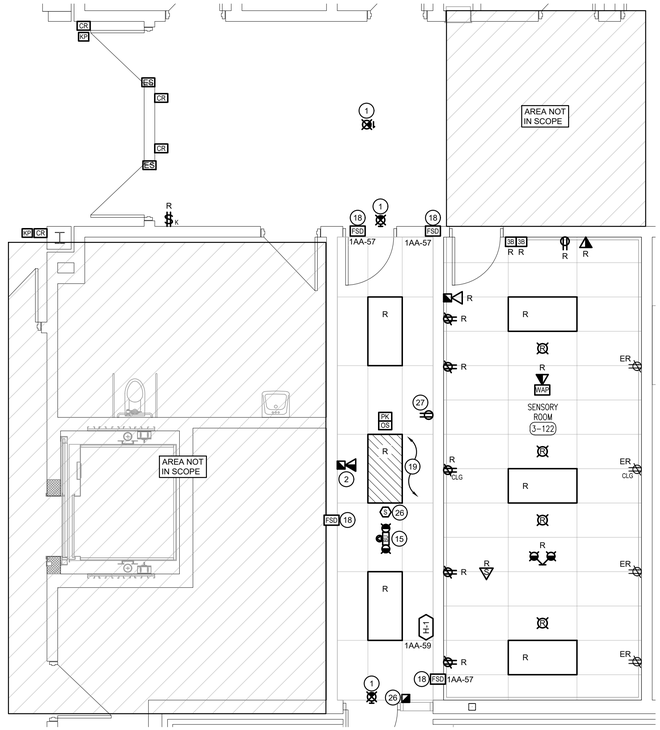
project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
FIRST & SECOND FLOOR DEMOLITION PART PLANS

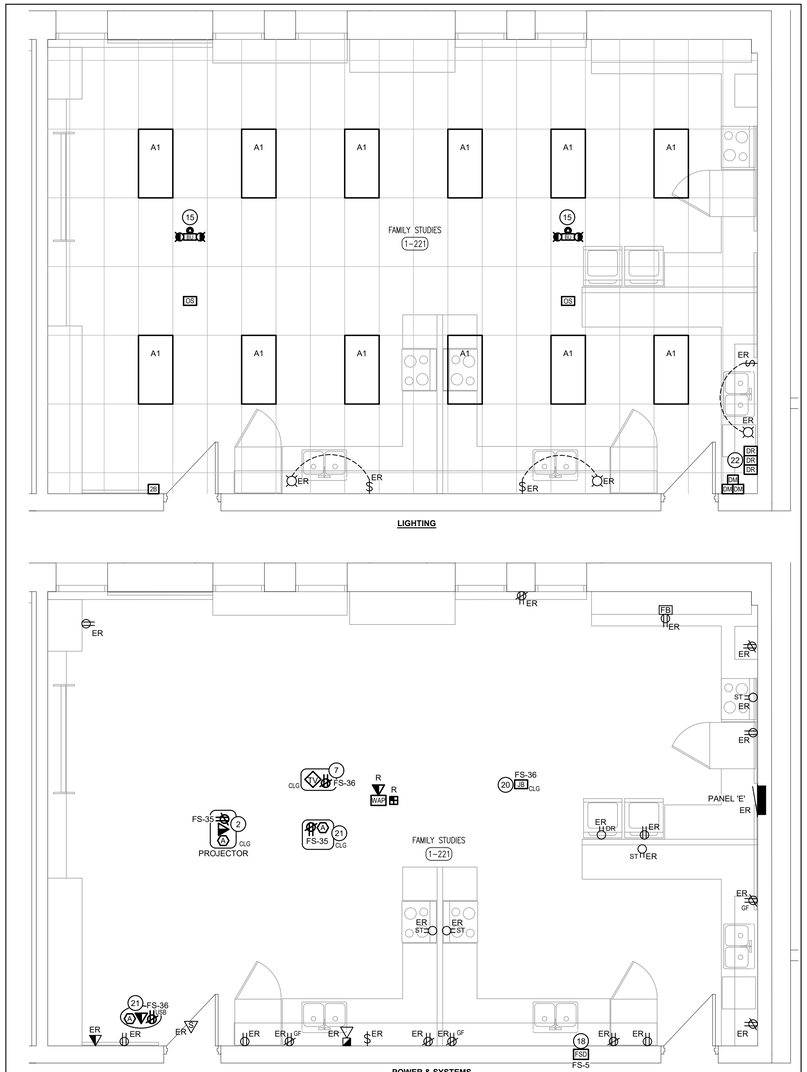
reference

project no. 25-092
client reference number

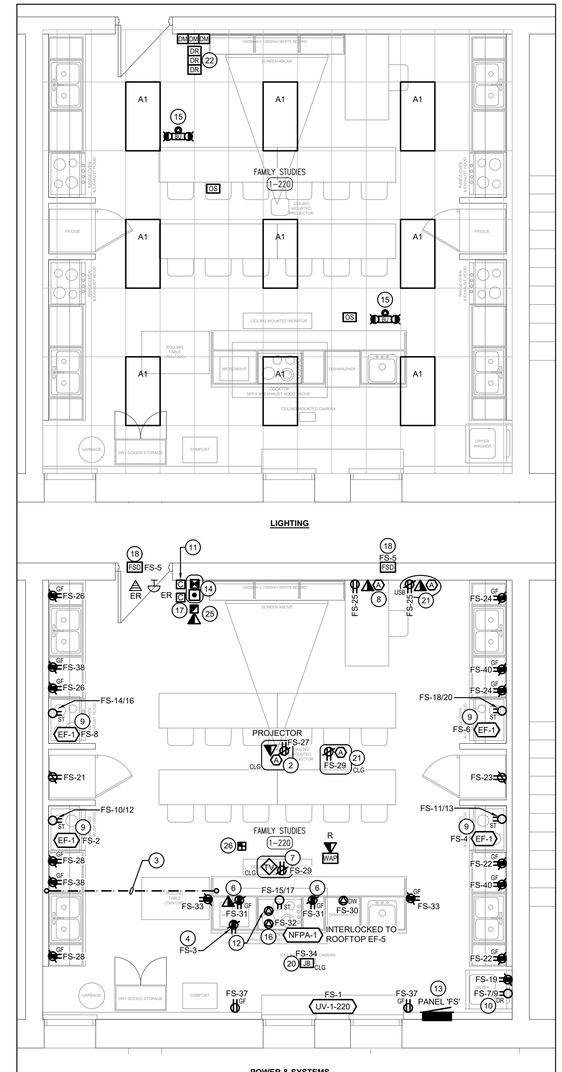
sheet no. E201 00



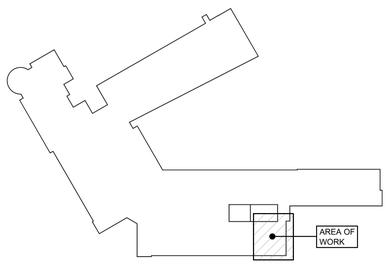
A - SENSORY ROOM 3-122 - RENOVATION PLAN
SCALE: 1:50



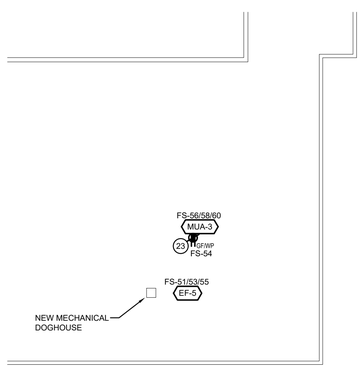
B - FAMILY STUDIES 1-221 - RENOVATION PLAN
SCALE: 1:50



C - FAMILY STUDIES 1-220 - RENOVATION PLAN
SCALE: 1:50



ROOFTOP KEYPLAN



D - PARTIAL ROOFTOP PLAN
SCALE: 1:200

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.

SUPPRESSION SYSTEM NOTES

A PROVIDE 120V UNSWITCHED POWER FROM CIRCUIT AS NOTED FOR SUPPRESSION SYSTEM.

B PROVIDE CONTROL WIRING FROM SUPPRESSION SYSTEM SUCH THAT IN A FIRE CONDITION, SYSTEM MUST SHUT OFF ALL POWER AND/OR FUEL TO ALL APPLIANCES BELOW EXHAUST HOOD. CONNECT TO FIRE ALARM SYSTEM.

C CONNECT OUTPUT OF SUPPRESSION SYSTEM TO CONTACTORS FEEDING ELECTRICAL EQUIPMENT BENEATH HOOD AS NOTED.

D CONNECT OUTPUT OF SUPPRESSION SYSTEM TO GAS SOLENOID.

E PROVIDE INTERCONNECT FOR SHUTDOWN OF KITCHEN MAKEUP AIR UNIT MUA-1.

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.

GENERAL DEMOLITION NOTES

- '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 RENOVATION NOTES

1 CONNECT NEW EXIT SIGN TO EXISTING EXIT SIGN CIRCUIT. EXTEND EXISTING CIRCUIT AS REQUIRED.

2 INDICATED DEVICES ARE TO BE INSTALLED IN RECESSED BOX FOR CEILING PROJECTOR MOUNT. CONFIRM EXACT LOCATION ON SITE PRIOR TO ROUGH IN TO ENSURE PROPER DISTANCE/ORIENTATION FROM SCREEN. RECESSED PROTECTION BOX IS TO BE EQUAL TO FSR CAT. #CB-22P.

3 INDICATES THREE (3) 21mm CONDUITS RUNNING UNDER FLOOR FOR ISLAND DEVICES. CONDUITS SHALL STUB UP THROUGH FLOOR WITHIN WALL AND MILLWORK AS SHOWN. COORDINATE EXACT LOCATION OF WALL AND MILLWORK PRIOR TO INSTALLATION. IN SCIENCE ROOM, CONTRACTOR IS TO SAW CUT FLOOR TO INSTALL FEEDS. FLOOR MUST BE SCANNED PRIOR TO CUTTING PER SPECIFICATIONS.

4 INDICATES RECEPTACLE DEDICATED TO UNDER-COUNTER MICROWAVE. COORDINATE WITH MILLWORK CONTRACTOR PRIOR TO INSTALLATION.

5 INDICATES HARDWIRED CONNECTION TO COOKTOP INTEGRATED IN COUNTER. COORDINATE WITH SHOP DRAWINGS MILLWORK CONTRACTOR PRIOR TO INSTALLATION.

SPECIFIC RENOVATION NOTES CONT'D

6 INDICATES POWER TO BE MOUNTED ON INSTRUCTOR'S DESK. COORDINATE WITH ARCHITECT FOR EXACT MOUNTING LOCATION.

7 INDICATES CEILING MOUNTED RECEPTACLE AND TV OUTLET FOR FUTURE VIDEO MONITOR. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

8 INDICATES AUXILIARY OUTLET ROUGH-IN FOR PROJECTOR SIGNAL INPUT AT SAME HEIGHT AS ADJACENT OUTLETS C/W 21mmC TO CEILING SPACE.

9 INDICATES LOCATION OF OVERHEAD RANGEHOOD. COORDINATE INSTALLATION HEIGHT OF JUNCTION BOX WITH ARCHITECTURAL ELEVATIONS AND MILLWORK DRAWINGS PRIOR TO INSTALLATION.

10 INDICATES DEDICATED RECEPTACLE FOR STACKED WASHER/DRYER. COORDINATE RECEPTACLE MOUNTING LOCATION WITH SHOP DRAWINGS PRIOR TO INSTALLATION.

11 PROVIDE CONTROL WIRING FROM SUPPRESSION SYSTEM SUCH THAT IN A FIRE CONDITION, SYSTEM MUST SHUT OFF ALL POWER AND/OR FUEL TO ALL APPLIANCES BELOW EXHAUST HOODS. PROVIDE SINGLE-POLE CONTACTOR TO SUIT QUANTITY OF BRANCH CIRCUITS FOR ITEMS BEING SHUTDOWN. PROVIDE SUITABLE COIL VOLTAGE AND CONTROLS TRANSFORMER TO SUIT NFPA HOOD PANEL INTERLOCK. REFER TO SUPPRESSION SYSTEM NOTES FOR ADDITIONAL INFORMATION. CONNECT TO FIRE ALARM SYSTEM.

12 INDICATES NFPA HOOD ABOVE TEACHERS ISLAND. COORDINATE WITH SHOP DRAWINGS AND MECHANICAL TRADE PRIOR TO INSTALLATION. INTERLOCK WITH NFPA MUA. REFER TO SUPPRESSION SYSTEM NOTES FOR ADDITIONAL INFORMATION.

13 INDICATES APPROXIMATE LOCATION OF NEW RECESSED PANEL 'FS'. REFER TO PARTIAL DISTRIBUTION RISER ON DRAWING E103 FOR ADDITIONAL INFORMATION.

14 INDICATES COMBINATION STARTER AND PUSH BUTTON STATION FOR NFPA EXHAUST FAN. COORDINATE LOCATION ON-SITE WITH MECHANICAL CONTRACTOR.

15 CONNECT NEW EMERGENCY FIXTURE TO UNSWITCHED SIDE OF LOCAL LIGHTING CIRCUIT. EXTEND EXISTING CIRCUIT AS REQUIRED.

SPECIFIC RENOVATION NOTES CONT'D

16 INDICATES HOOD LIGHTING TO BE WIRED TO LOCATION INTEGRAL TO HOOD, COORDINATE WITH HOOD SUPPLIER. CONNECT TO CIRCUIT AS NOTED ON SCHEDULE.

17 INDICATES (x1) 208V, 50A-3P CONTACTOR CONTROLLING HOOD EXHAUST FAN CIRCUIT. CONNECT COIL POWER THROUGH FIRE SUPPRESSION SYSTEM CONTACTS.

18 INDICATES 120V POWER AND FIRE ALARM CONNECTIONS TO SMOKE/FIRE DAMPER WITH INTEGRAL SMOKE DETECTOR. REFER TO FIRE ALARM RISER DIAGRAM.

19 CONNECT INDICATED RELOCATED LIGHT FIXTURES AND NEW CONTROL DEVICES TO ADJACENT CORRIDOR LIGHTING CIRCUIT AND CONTROLS.

20 INDICATES 120V POWER IN JUNCTION BOX IN CEILING FOR FUTURE CEILING MOUNTED CAMERA.

21 INDICATES DEVICES FOR UNITY SYSTEM, COORDINATE EXACT LOCATION WITH UNITY INSTALLER ON SITE. REFER TO DETAIL G/E102.

22 INDICATES DIGITAL ROOM CONTROLLER RELAY(S) INSTALLED WITHIN ACCESSIBLE CEILING SPACE FOR CONTROL OF NOTED MOTION SENSOR(S). REFER TO LIGHTING CONTROL DETAILS.

23 PROVIDE T-SLOT GROUND FAULT RECEPTACLE COMPLETE WITH "HEAVY DUTY IN-USE" WEATHER-PROOF COVER. COORDINATE PLACEMENT WITH MECHANICAL TRADE. INDICATED DEVICE IS TO BE MOUNTED ±36" (900mm) ABOVE FINISHED ROOF LEVEL.

24 FEED INDICATED DEVICE FROM DOGHOUSE (PROVIDED BY MECHANICAL) ALONG MECHANICAL PIPING. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

25 CONNECT INDICATED FIRE ALARM DEVICE TO EXISTING SIGNAL CIRCUIT. PROVIDE BOOSTER MODULE AS REQUIRED.

26 INDICATES NEW FIRE ALARM INITIATING DEVICE TO BE CONNECTED TO EXISTING ZONE.

27 CONNECT NEW RECEPTACLE TO ADJACENT EXISTING LOCAL GENERAL RECEPTACLE CIRCUIT.

Waterloo Region District School Board

NOTE:
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.
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No.	REVISIONS	date
01	ISSUED FOR PERMIT AND TENDER	2025-04.02

Professional Engineers Ontario
Limited Engineering Licensee
Name: D.G. MCCONKEY
Number: 100230476
Limitations: Detailed design, reporting, and specifications for all building electrical systems, site servicing and review of conformity for these systems in new and renovation construction
Association of Professional Engineers of Ontario
04-2-2026

PROJECT NORTH

drawn	CT
last worked on 4.2.2026	by CT
checked	DM
scale	AS NOTED

BJC architects + assocs. inc.

client
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE
KITCHENER ONTARIO

project
GRAND RIVER COLLEGIATE INSTITUTE RENOVATION
175 INDIAN RD
KITCHENER ONTARIO

drawing title
FIRST, SECOND, & ROOFTOP PARTIAL RENOVATION PLANS

reference

project no. 25-092
client reference number

sheet no. E301 00