

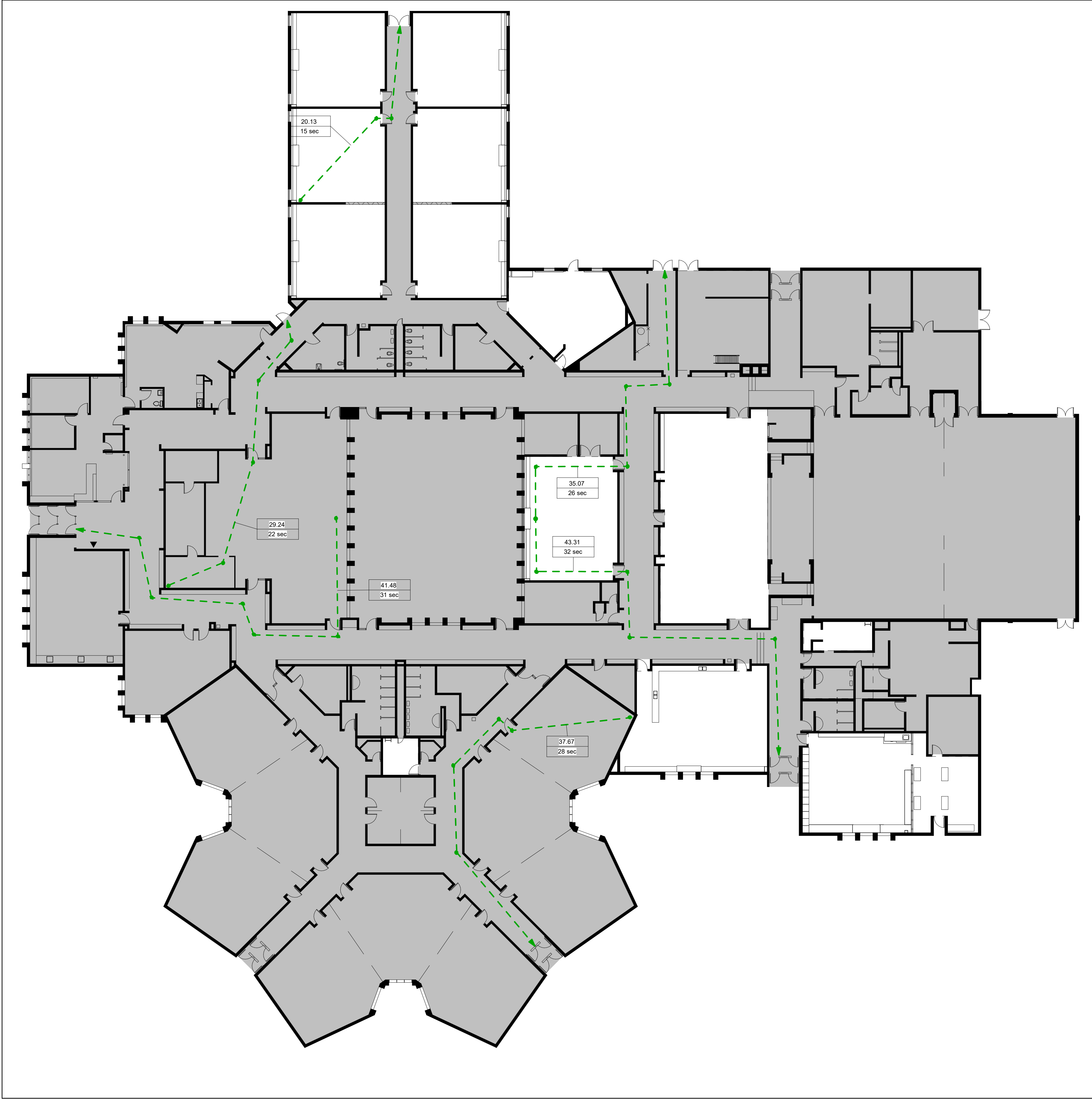
DRAWING LIST

ARCHITECTURE	
A000	COVER SHEET
A001	OVERALL PLAN AND BUILDING CODE MATRIX
A102	PARTIAL GROUND FLOOR PLAN DEMOLITION PLAN
A202	PARTIAL GROUND FLOOR PLAN
A203	OVERALL GROUND REFLECTED CEILING PLAN
A204	OVERALL ROOF PLAN
A801	MILLWORK ELVATIONS AND SECTIONS
A802	TYPICAL DETAILS
STRUCTURAL	
S001	GENERAL NOTES, FRAMING PLAN AND DETAILS
MECHANICAL	
M101	KEYPLAN, LEGEND & SCHEDULES
M102	SCHEDULES
M201	OVERALL GROUND FLOOR PART PLAN 'A' -PIPING DEMOLITION
M202	OVERALL GROUND FLOOR PART PLAN 'B' - PIPING DEMOLITION
M203	OVERALL GROUND FLOOR PART PLAN 'C' - PIPING DEMOLITION
M204	OVERALL GROUND FLOOR PART PLAN 'A' - PIPING RENOVATION
M205	OVERALL GROUND FLOOR PART PLAN 'B' - PIPING RENOVATION
M206	OVERALL GROUND FLOOR PART PLAN 'C' - PIPING RENOVATION
M301	GROUND FLOOR PART PLAN 'A' - DUCTWORK DEMOLITION
M302	GROUND FLOOR PART PLAN 'B' - DUCTWORK DEMOLITION
M303	GROUND FLOOR PART PLAN 'A' - DUCTWORK RENOVATION
M304	GROUND FLOOR PART PLAN 'B' - DUCTWORK RENOVATION
M401	FAN ROOM PART PLANS - HEATING & DUCTWORK DEMOLITION
M402	FAN ROOM PART PLANS - HEATING & DUCTWORK RENOVATION
M403	BOILER ROOM PART PLANS - DEMOLITION & RENOVATION
M501	ROOF PLAN - RENOVATION & DETAILS
M601	DETAILS
MECHANICAL	
E101	LEGEND, OVERALL PLAN, DETAILS AND SCHEDULES
E102	DETAILS
E103	SCHEDULES AND DETAILS
E201	GROUND FLOOR PARTS DEMOLITION PLANS
E301	GROUND FLOOR PARTS DEMOLITION PLANS
E401	GROUND FLOOR PARTS DEMOLITION PLANS
E501	GROUND FLOOR PARTS RENOVATION PLANS
E601	ROOF PLAN - RENOVATION AND PANEL SCHEDULE
E701	FIRE ALARM RISER DIAGRAM AND SCHEDULE



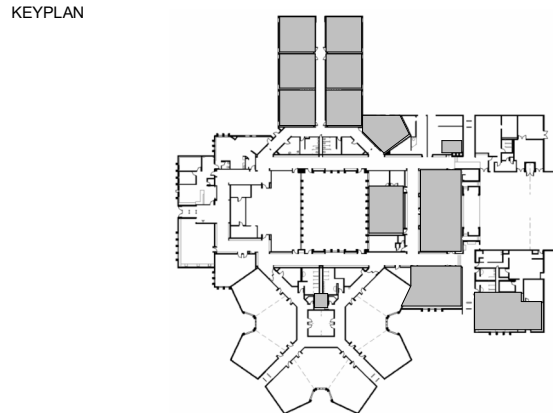
WATERLOO REGION DISTRICT SCHOOL BOARD
LAURENTIAN PUBLIC SCHOOL
77 WESTMOUNT ROAD EAST, KITCHENER, ON

WalterFedy Project No.: 2024-0789-11
ISSUED FOR BID AND PERMIT 01/28/25



1 OVERALL FLOOR PLAN
A001 Scale: 1 : 200

Ontario's 2012 Building Code				OBC Reference
Data Matrix Part 11				
11.1	Existing Building Classification	Describe Existing Use: GROUP A2 OCCUPANCY Construction Index: - Hazard Index: - ■ Not Applicable (no change of major occupancy)		11.2.1. T11.2.1.1A T11.2.1.1B-N
11.2	Alteration to Existing Building is	Basic Renovation ■ Extensive Renovation □		
11.3	Reduction in Performance Level	Structural ■ No □ Yes By Increase in Occupant Load ■ No □ Yes By Change of Major Occupancy ■ No □ Yes Plumbing ■ No □ Yes Sewage-System ■ No □ Yes		11.4.2. 11.4.2.1-5
11.4	Compensating Construction	Structural ■ No □ Yes (explain) -		11.4.3. 11.4.3.2.
		Increase in Occupant Load ■ No □ Yes (explain) -		11.4.3.3.
		Change of Major Occupancy ■ No □ Yes (explain) -		11.4.3.4.
		Plumbing ■ No □ Yes (explain) -		11.4.3.5.
		Sewage System ■ No □ Yes (explain) -		11.4.3.6.
11.5	Compliance Alternatives Proposed	■ No □ Yes (give number(s))		11.5.1.
11.6	Alternative Measures Proposed	■ No □ Yes (give number(s))		11.5.2.
Notes:				
1. TRAVEL DISTANCE FROM AREAS OF SCHOOL TO EXIT > 30M. ANY CORRIDOR PENETRATIONS TO HAVE A 45 MIN. FIRE RATING. (3.3.1.4)				



No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2025.01.28

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE, KITCHENER, ON

PROJECT
LAURENTIAN PUBLIC SCHOOL
77 WESTMOUNT ROAD EAST, KITCHENER, ON

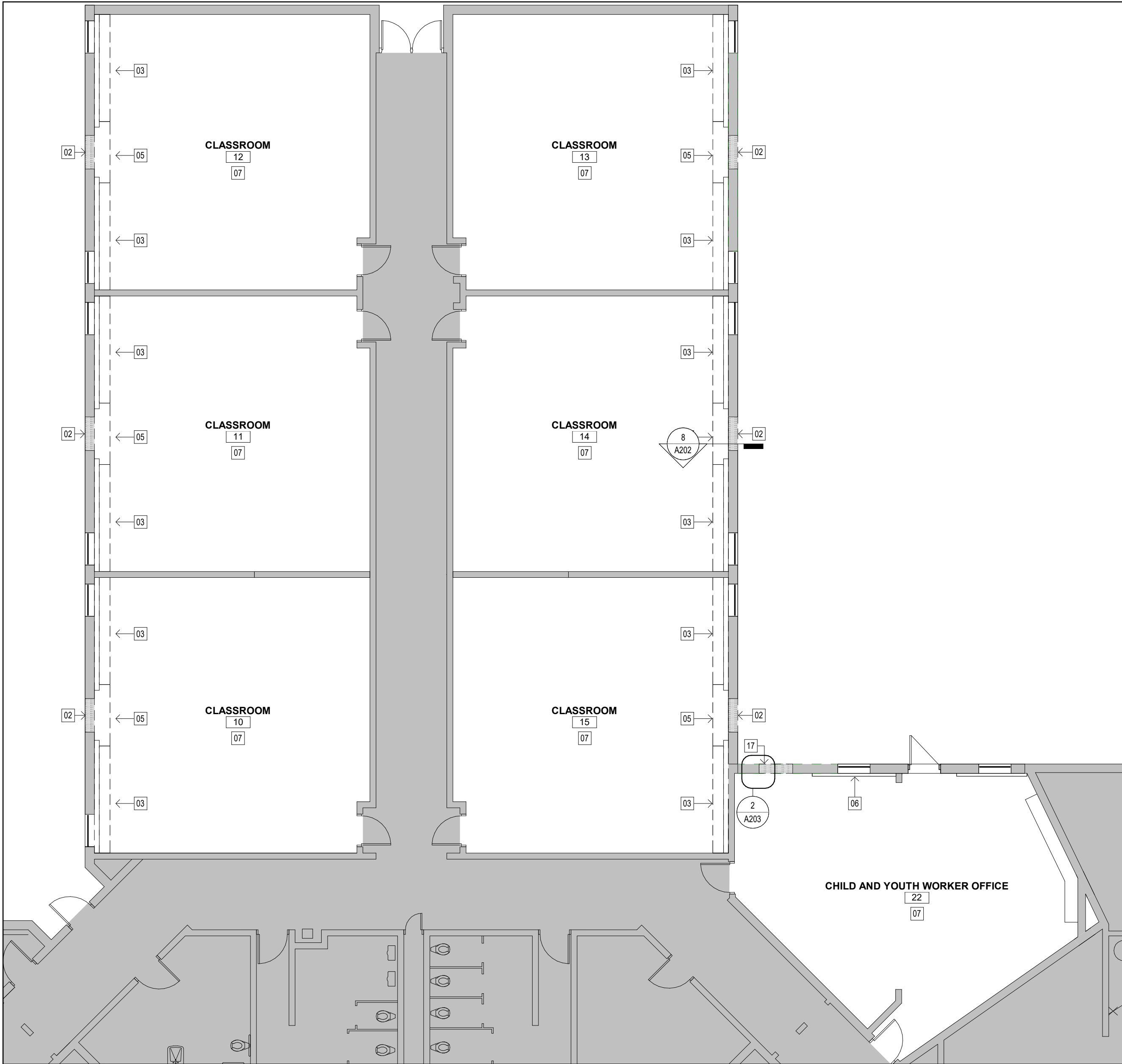
TITLE
OVERALL PLAN AND BUILDING CODE MATRIX

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

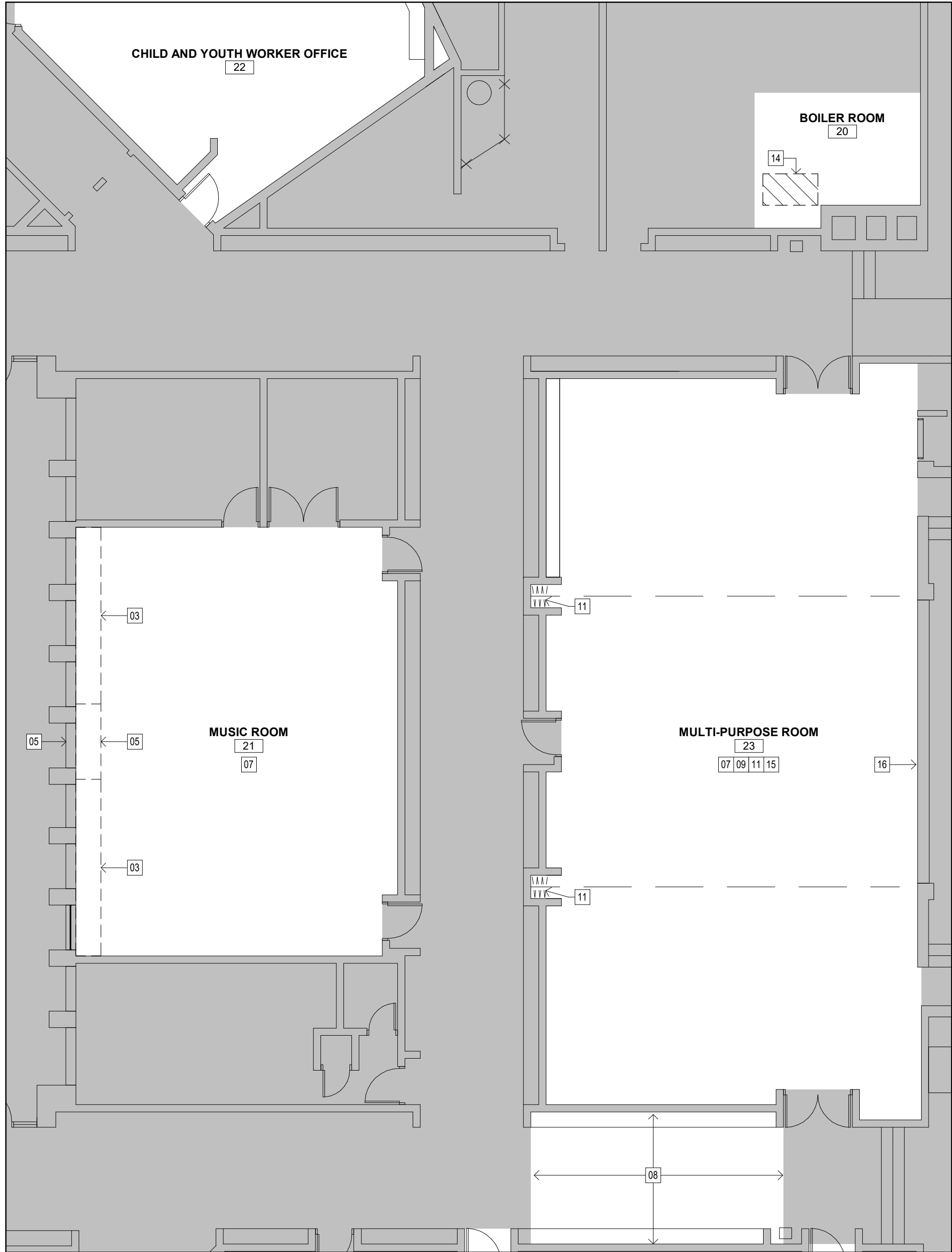


REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY, A PART OF WF GROUP, IS FORBIDDEN. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS TO WALTERFEDY, A PART OF WF GROUP. - DO NOT SCALE THIS DRAWING -
COPYRIGHT © 2024 WalterFedy, A Part of WF Group Inc.

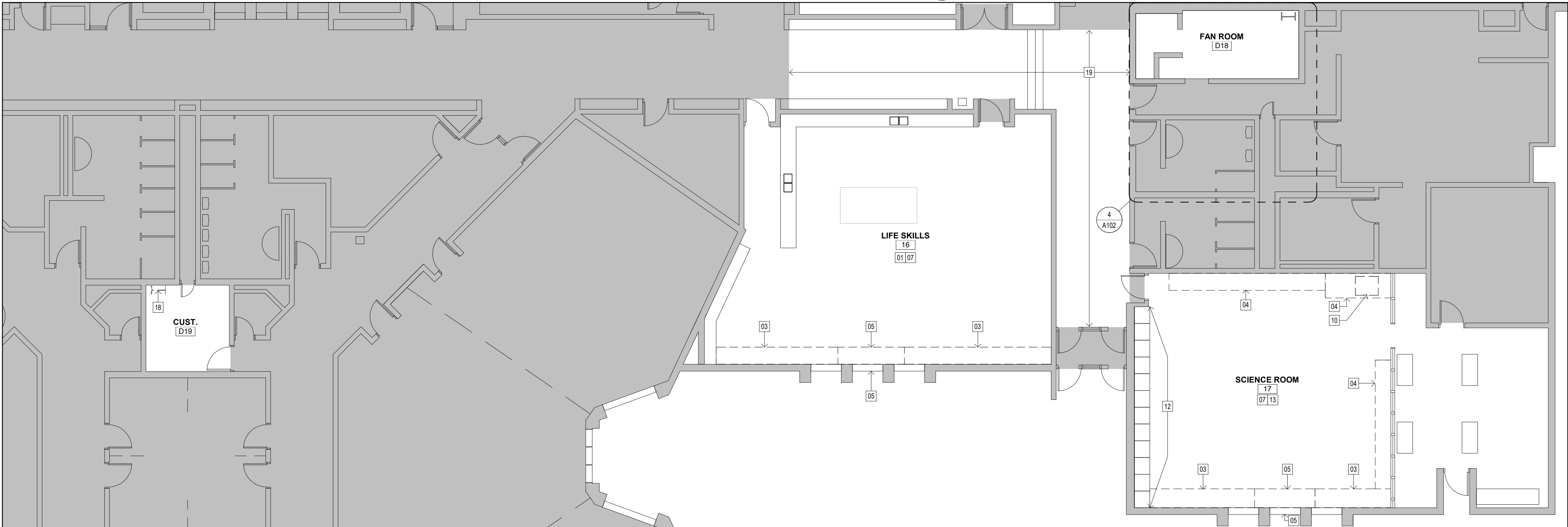
SCALE: N.T.S.	SHEET NO: A001
DATE: 01/23/25	
PROJECT NO: 2024-0789-12	
DRAWN BY: CS	
CHECKED BY: MM	



1 PARTIAL GROUND FLOOR PLAN - DEMOLITION
A102 Scale: 1 : 100



2 PARTIAL GROUND FLOOR PLAN - DEMOLITION
A102 Scale: 1 : 100



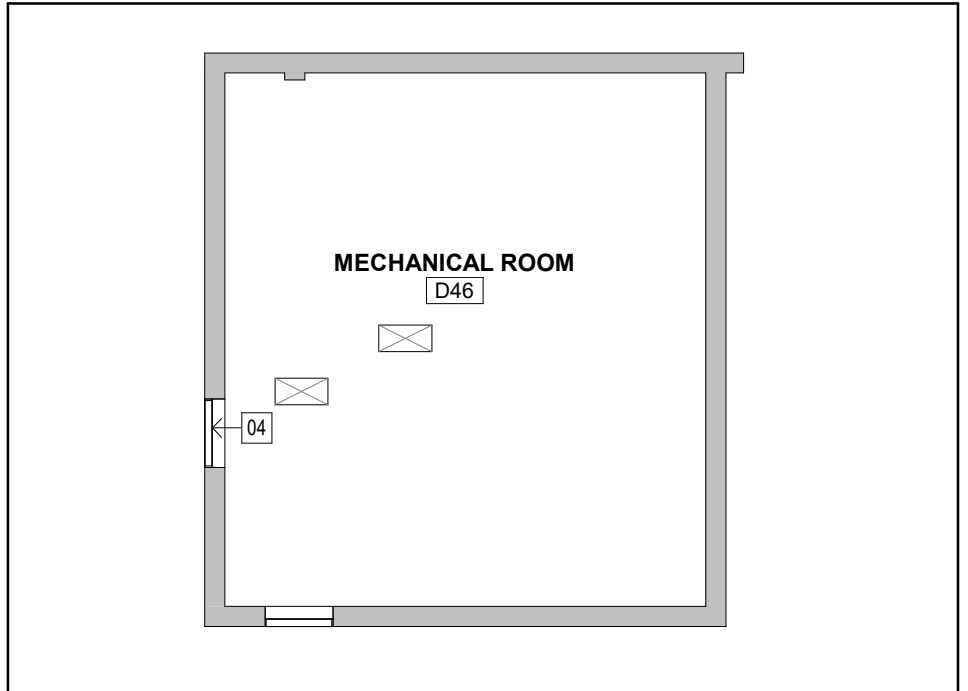
3 PARTIAL GROUND FLOOR PLAN - DEMOLITION
A102 Scale: 1 : 100

GENERAL DEMOLITION NOTES

1. THE PURPOSE OF THESE DRAWINGS IS TO SHOW GENERAL SCOPE OF DEMOLITION ONLY. THESE DRAWINGS HAVE BEEN DEVELOPED FROM REFERENCE FILES WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. CONTRACTOR TO VERIFY THESE DRAWINGS, INCLUDING ALL DIMENSIONS, AND NOTIFY THE ARCHITECT IMMEDIATELY OF INCONSISTENCIES BEFORE PROCEEDING WITH DEMOLITION & CONSTRUCTION. THE CONTRACTOR SHALL VERIFY AND CONFIRM THE COMPLETE SCOPE OF WORK DURING THE TENDER PERIOD BY ATTENDING SITE VISITS AND ALLOW FOR A REASONABLE QUANTITY OF UNFORESEEN HIDDEN DEMOLITION AND REMOVAL NOT SHOWN ON THESE DRAWINGS.
2. DEMOLITION WORK SHALL BE EXECUTED IN CONFORMANCE WITH ALL CODES AND AS SET FORTH BY ALL GOVERNING AUTHORITIES. REFER TO SPECIFICATIONS FOR INTERIM LIFE SAFETY MEASURES.
3. THE CONTRACTOR SHALL EXECUTE ALL DEMOLITION WORK AS REQUIRED TO FACILITATE THE NEW WORK AND COORDINATE ACTIVITIES ACCORDINGLY WITH THE WORK OF THE TRADES.
4. EXECUTE DEMOLITION IN AN ORDERLY AND CAREFUL MANNER WITH DUE CONSIDERATION FOR ADJACENT STRUCTURES AND FINISHES. REPLACE OR REPAIR ANY FINISHES TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION (I.E. - CEILING GRID, CEILING TILE, WALL COVERING, FLOOR COVERINGS, ETC.). CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR, AND MAKE GOOD ALL DAMAGE TO ADJACENT FINISHED SURFACES AND ASSEMBLIES.
5. REFER TO MECHANICAL AND ELECTRICAL SPECIFICATION, DRAWINGS OR DEMOLITION NOTES FOR DETAILS OF SCOPE OF MECHANICAL AND ELECTRICAL DEMOLITION.
6. AS THE AREAS OF THE BUILDING PROPOSED FOR RENOVATION MAY CONTAIN DESIGNATED SUBSTANCES, SPECIAL PRECAUTIONS ARE REQUIRED FOR THE REMOVAL OF SPECIFIC DESIGNATED SUBSTANCES. COMPLETE REMOVAL OF ALL ASBESTOS-CONTAINING MATERIALS MUST PRECEDE ANY WORK THAT IS LIKELY TO DISTURB THESE MATERIALS. ALL DESIGNATED SUBSTANCES MUST BE HANDLED IN ACCORDANCE WITH THE APPROPRIATE FEDERAL, PROVINCIAL, AND LOCAL GUIDELINES AND REGULATION 278/05. FOLLOW PROPER METHODS AND PROCEDURES FOR DISPOSAL WITH THE ONTARIO MINISTRY OF ENVIRONMENT. OTHER DESIGNATED SUBSTANCES MAY ALSO BE REQUIRED TO BE REMOVED WHICH MAY BE OBSTRUCTED UNTIL THE WORK OF THE NEW CONSTRUCTION COMMENCES. IN THE EVENT THAT DESIGNATED SUBSTANCES OR ACM (ASBESTOS CONTAINING MATERIAL) IS ENCOUNTERED DURING THE WORK, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY AND TAKE NECESSARY PRECAUTIONS TO ENSURE SAFETY OF WORKERS AND PUBLIC.
7. WHERE NEW FINISHES ARE TO BE INSTALLED ON SURFACES TO REMAIN, REMOVE THE EXISTING FINISH AND PREPARE THE EXISTING SURFACE TO RECEIVE THE NEW FINISH.
8. COORDINATE WITH THE OWNER ANY ITEMS TO BE STORED AND/OR RELOCATED. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR THE TEMPORARY REMOVAL OF ALL EQUIPMENT, FIXTURES, ACCESSORIES, ETC. PRIOR TO START OF ANY DEMOLITION WORK. COORDINATE WITH MECHANICAL & ELECTRICAL DWGS. HANDLE ALL COMPONENTS OF EQUIPMENT CAREFULLY. CLEAN & STORE FOR RE-INSTALLATION UPON COMPLETION OF WORK AS REQUIRED (COORDINATE WITH OWNER).
9. CONTRACTOR TO REPAIR ANY EXISTING WALL, FLOOR, CEILING ASSEMBLY AFFECTED BY THE REMOVAL OF WALLS, DOORS, WINDOWS, MILLWORK, ETC. CONTRACTOR TO PATCH AND REPAIR EXISTING WALLS, FRAMES, DOOR SURFACES, CEILING BULKHEADS AS REQUIRED TO RECEIVE NEW PAINT FINISH.
10. DASHED LINES INDICATE WORK THAT SHALL BE REMOVED UNLESS INDICATED OTHERWISE. ANY EXISTING WORK THAT IS INTENDED TO REMAIN UNDISTURBED AND IS DAMAGED RESULTING FROM THE COURSE OF THE WORK DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION THAT MATCHES EXISTING AND AT A LEVEL ACCEPTABLE TO THE STANDARD OF THE OWNER. ALL REPAIR WORK SHALL HAVE A NEAT AND CLEAN APPEARANCE AND BE COMPATIBLE WITH EXISTING FINISHES TO MATCH. INDIVIDUAL ITEMS IDENTIFIED AS PART OF A GENERAL INSTRUCTION, SUCH AS "ALL EXISTING", ARE TO BE UNDERSTOOD TO ILLUSTRATE THE GENERAL INSTRUCTION AND NOT LIMITED TO JUST THOSE ITEMS IDENTIFIED ON DRAWING.
11. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING THE AREA OF WORK UPON COMPLETION OF CONSTRUCTION ACTIVITY ON EACH WORK DAY TO ALLOW FOR THE OWNER TO RESUME OPERATIONS UNIMPEDED AS USUAL.

DEMOLITION NOTES

- 01 REMOVE AND DISPOSE OF EXISTING ASBESTOS VCT FLOORING AND BASE. CLEAN EXISTING SUBSTRATE FREE OF ALL ADHESIVES. PATCH AND MAKE LEVEL AND PREPARE EXISTING SUBSTRATE TO ACCEPT PROPOSED FINISH.
- 02 REMOVE AND DISPOSE OF EXISTING MECHANICAL UNIT VENTILATOR INCLUDING EXTERIOR LOUVRE. CAREFULLY REMOVE EXISTING BRICK VENER AND LINTEL TO ACCOMMODATE LOUVRE. EXISTING OPENING WIDTH TO REMAIN. REFER TO MECHANICAL DRAWINGS.
- 03 CAREFULLY REMOVE AND DISPOSE OF EXISTING MILLWORK. EXISTING HORIZONTAL PIPING CHASES AND COUNTER GRILLES TO REMAIN INTACT. REFER TO MECHANICAL DRAWINGS FOR REMOVAL AND/OR TEMPORARY SUPPORT OF SERVICES WITHIN.
- 04 REMOVE AND DISPOSE OF EXISTING MILLWORK. PATCH AND MAKE GOOD ALL SURFACES TO REMAIN. PREPARE FOR NEW MILLWORK.
- 05 REMOVE AND DISPOSE OF EXISTING MECHANICAL UNIT VENTILATOR INCLUDING EXTERIOR LOUVRE. EXISTING LINTEL IN LOUVRE OPENING TO REMAIN. PREPARE EXISTING OPENING TO RECEIVE NEW LOUVRE. REFER TO MECHANICAL DRAWINGS.
- 06 EXISTING RADIATORS TO BE RE-WORKED TO ACCOMMODATE HORIZONTAL UNIT VENTILATOR INSTALLATION.
- 07 REMOVE AND DISPOSE OF EXISTING ACOUSTICAL CEILING TILE CW METAL GRID AND SUSPENSION SYSTEM. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS.
- 08 EXISTING CEILING TO REMAIN - REMOVE AND REINSTALL CEILING TILES AS REQUIRED (STORE ON SITE). PATCH AND MAKE GOOD EXISTING SURFACES TO REMAIN.
- 09 REMOVE PROJECTOR, PROJECTOR SCREEN AND TACK BOARDS. STORE ON SITE AND RE-INSTALL UPON PAINTING COMPLETION.
- 10 REMOVE EXISTING SINK. REFER TO MECHANICAL DRAWINGS.
- 11 REMOVE EXISTING CEILING MOUNTED FOLDABLE PARTITION AND PARTITION TRACK.
- 12 REMOVE EXISTING MILLWORK DOORS AND SAND EXISTING EXPOSED FRAME. REPLACE WITH NEW DOORS AND NEW MELAMINE EDGEBANDING.
- 13 SAND AND REFINISH EXISTING PARQUET FLOORING
- 14 RELOCATE ALL SEVICES EXPOSED ON DECK FOR LADDER AND ROOF HATCH INSTALLATION.
- 15 ALL ACCESSORIES TO BE REMOVED AND REINSTATED AFTER PAINTING.
- 16 WHITEBOARD TO REMAIN INTACT.
- 17 SAW-CUT OPENING FOR PROPOSED ALUM. LOUVRE. REMOVE EXISTING 140 CONC. BLOCK, INSULATION AND FACE BRICK.
- 18 REMOVE AND DISPOSE OF EXISTING LADDER. PATCH AND MAKE GOOD ALL SURFACES TO REMAIN.
- 19 REMOVE EXISTING ACOUSTIC CEILING TILE AND STORE. REMOVE AND STORE EXISTING CEILING GRID SYSTEM AS REQUIRED TO ALLOW ACCESS ABOVE CEILING FOR MECHANICAL, ELECTRICAL, AND STRUCTURAL TRADES TO COMPLETE THEIR SCOPE OF WORK. UPON COMPLETION RE-INSTALL EXISTING CEILING GRID AND ACOUSTIC CEILING TILE. PATCH AND MAKE GOOD W/ EXISTING.



4 MECHANICAL ROOM - DEMOLITION
A102 Scale: 1 : 100

CLIENT LOGO

KEYPLAN

TRUE NORTH

PROJECT NORTH

No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2025.01.28

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE, KITCHENER, ON

PROJECT

LAURENTIAN PUBLIC SCHOOL
77 WESTMOUNT ROAD EAST, KITCHENER, ON

TITLE

PARTIAL GROUND FLOOR PLAN DEMOLITION PLAN

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

SEAL

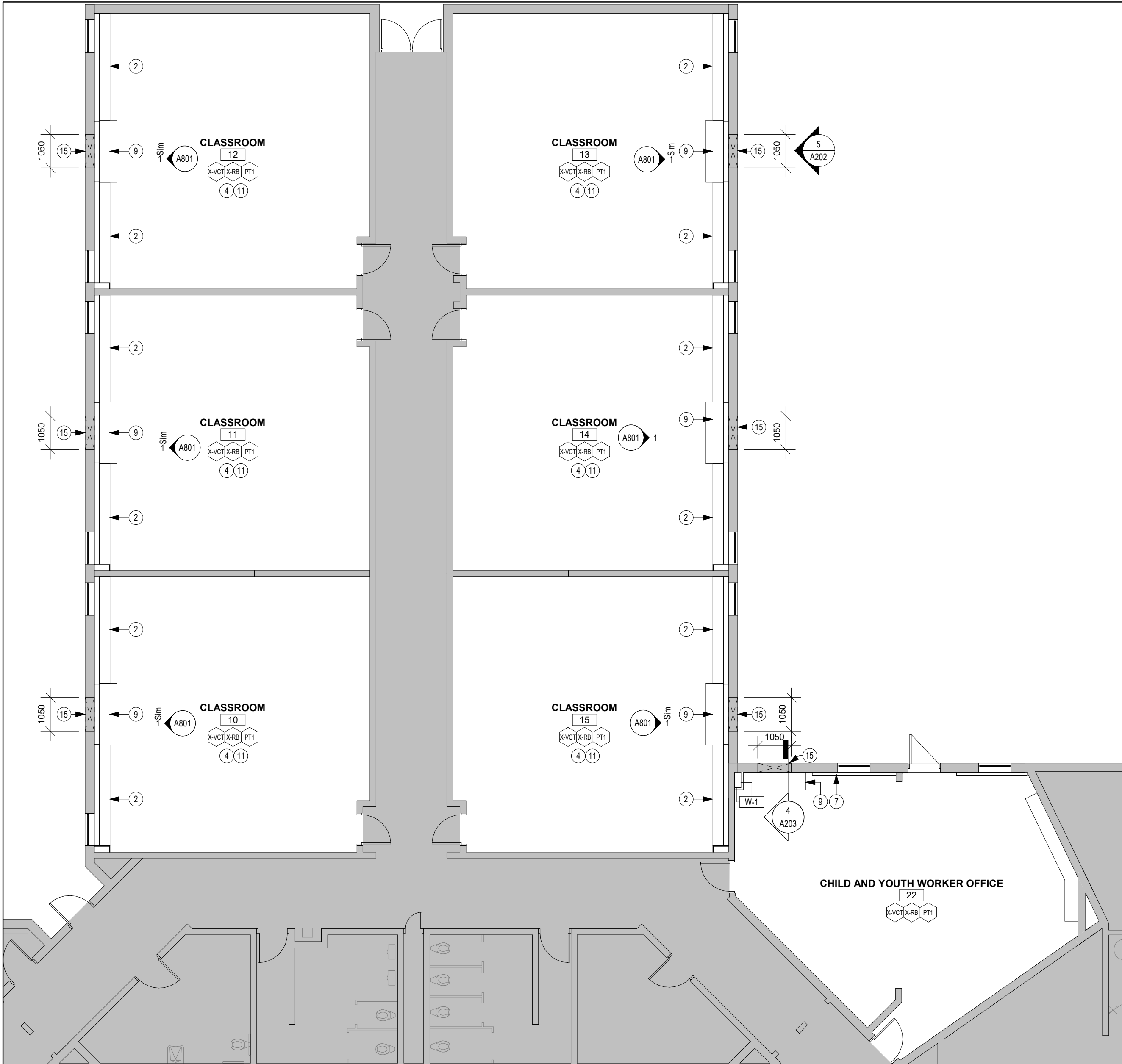
REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY, A PART OF WF GROUP, IS FORBIDDEN. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS TO WALTERFEDY, A PART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

COPYRIGHT © 2024

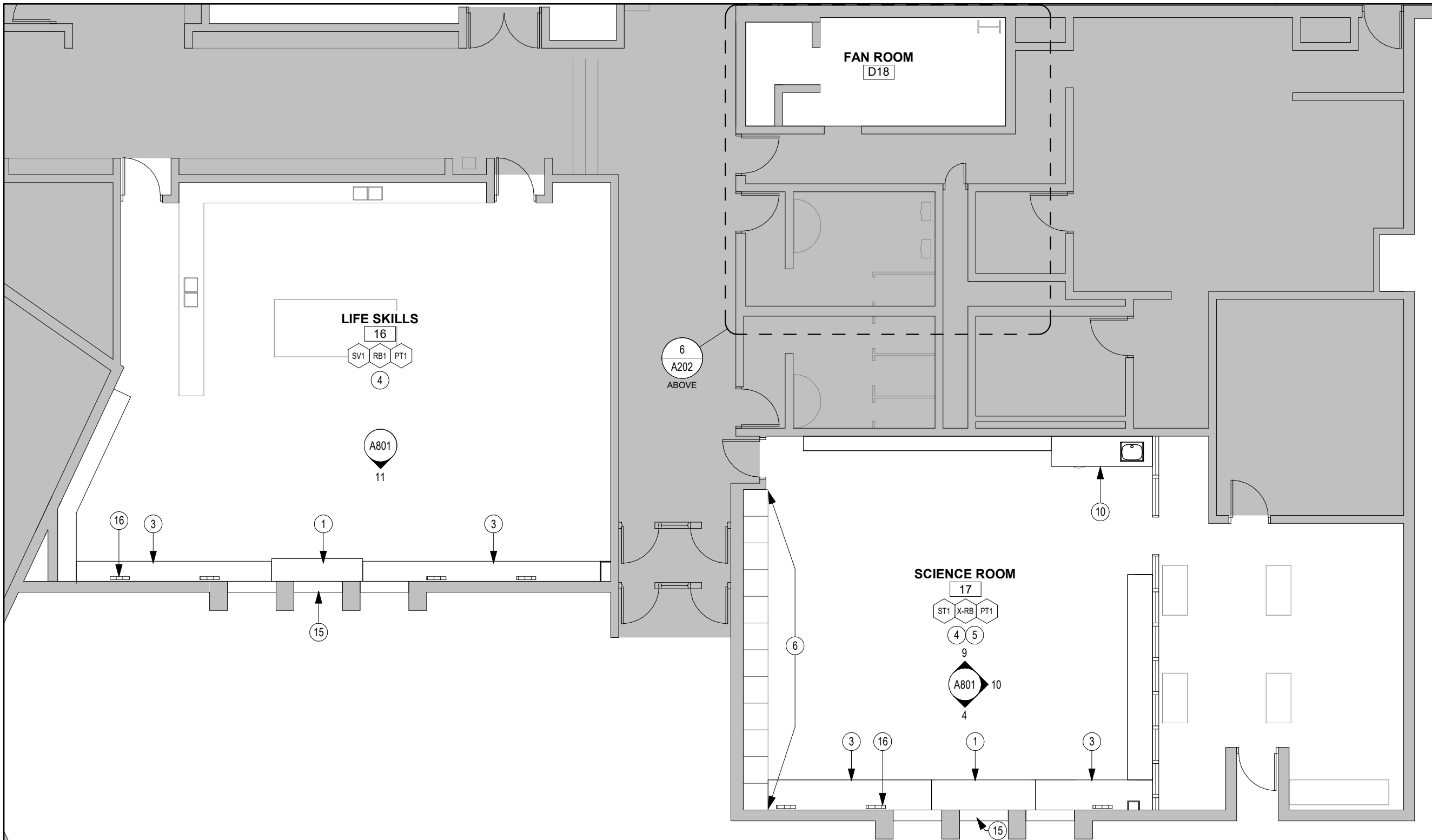
WalterFedy, A Part of WF Group Inc.

SCALE:	AS NOTED	SHEET NO.:
DATE:	01/23/25	
PROJECT NO.:	2024-0789-12	
DRAWN BY:	CS	
CHECKED BY:	MM	

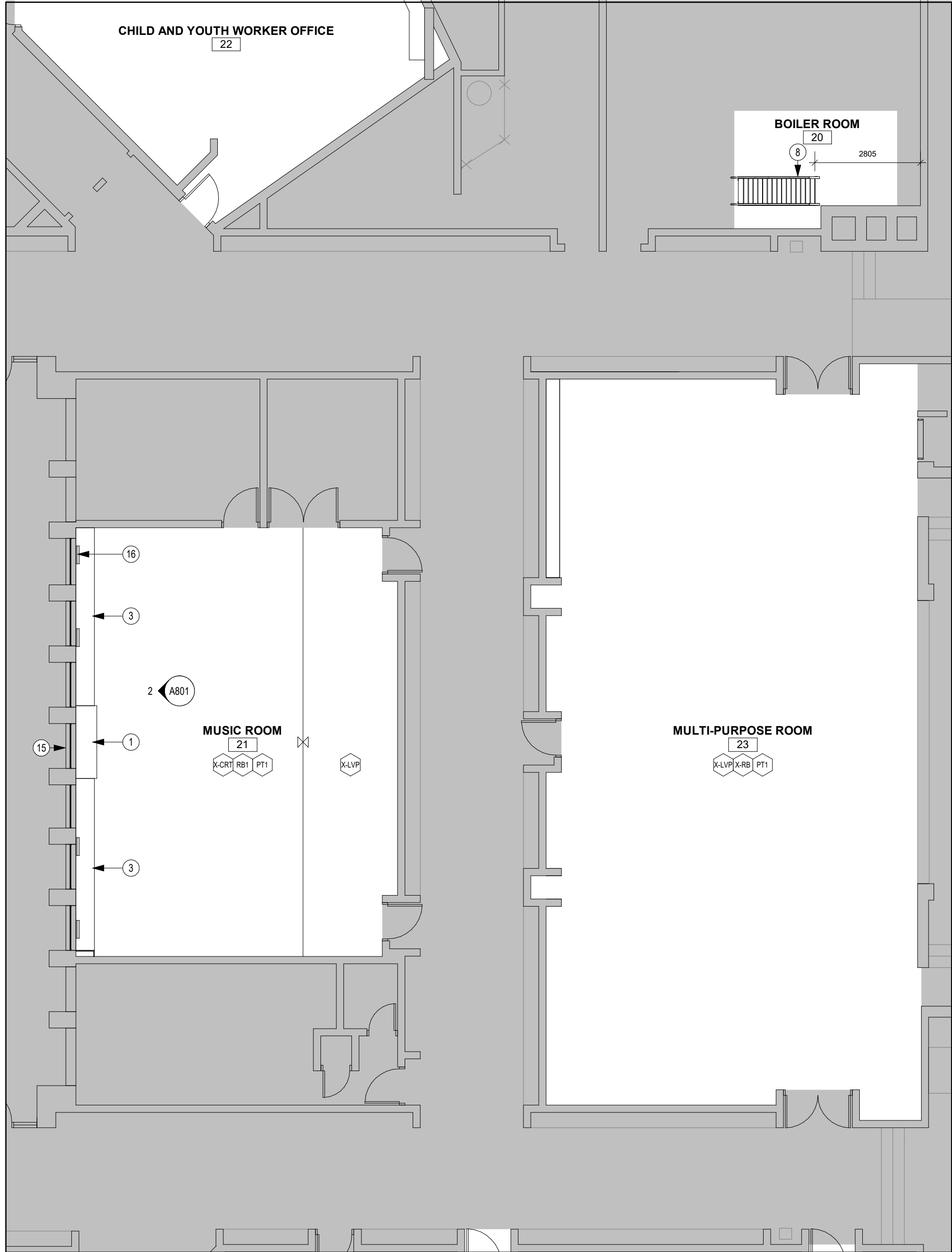
A102



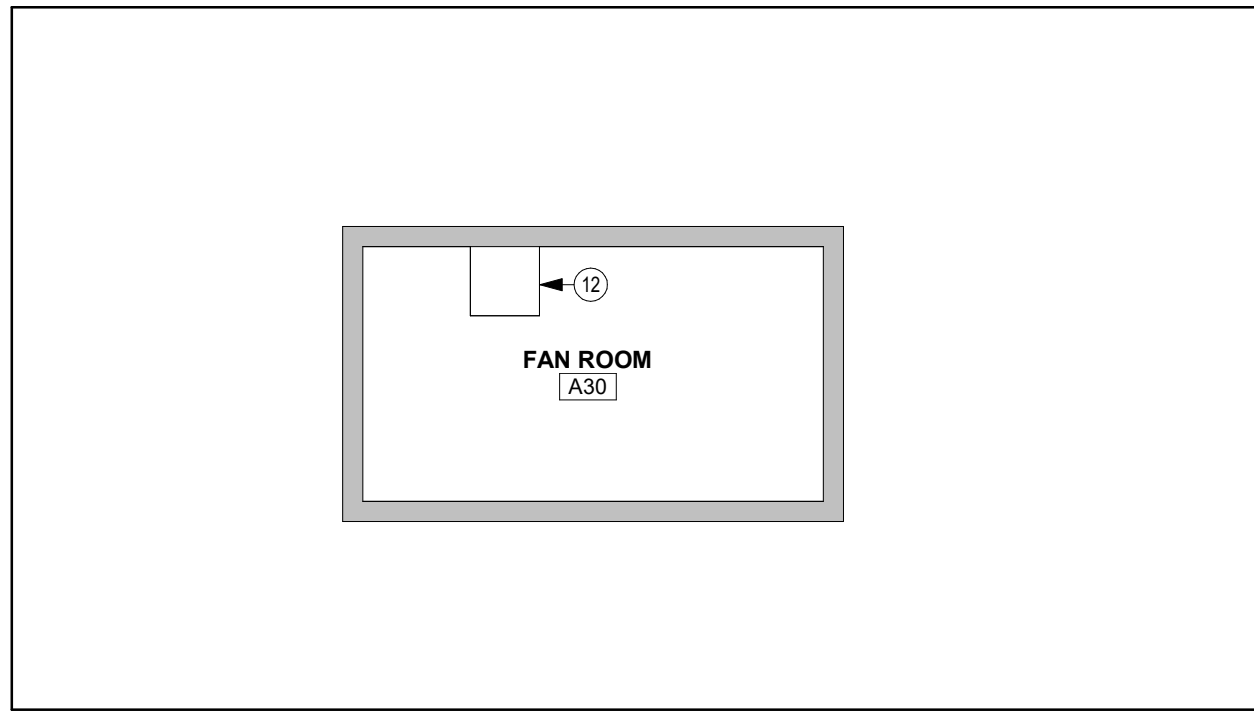
1 PARTIAL GROUND FLOOR PLAN
A202 Scale: 1 : 100



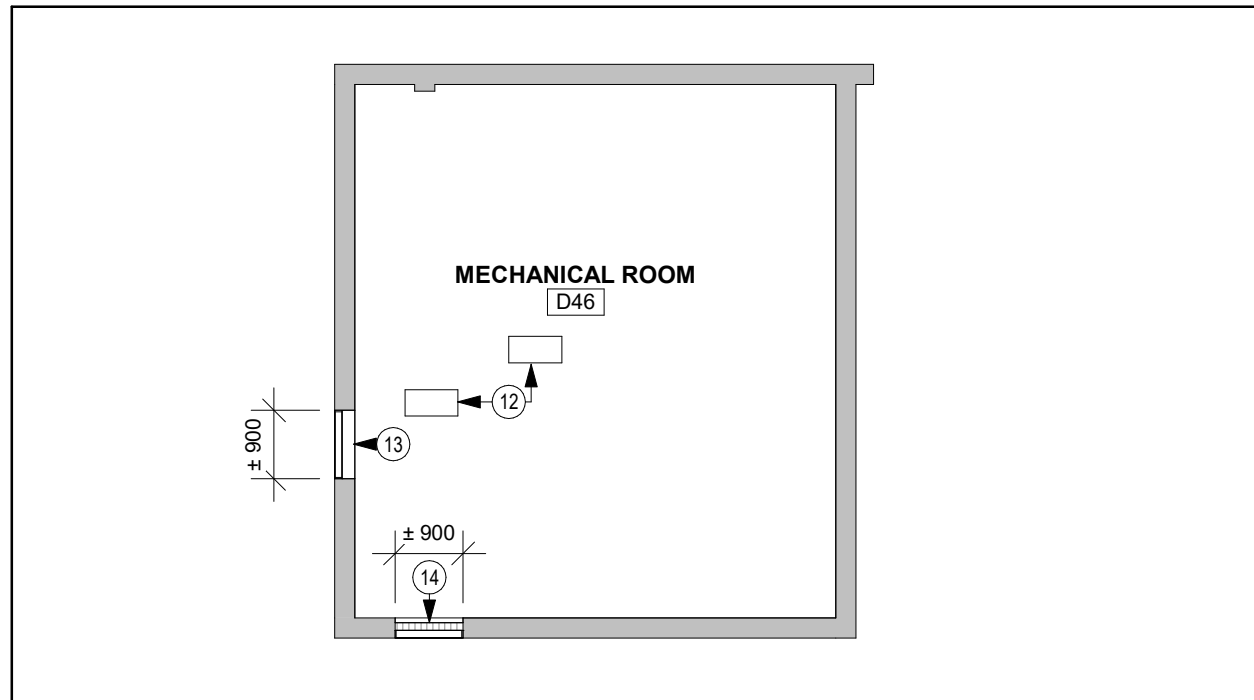
3 PARTIAL GROUND FLOOR PLAN
A202 Scale: 1 : 100



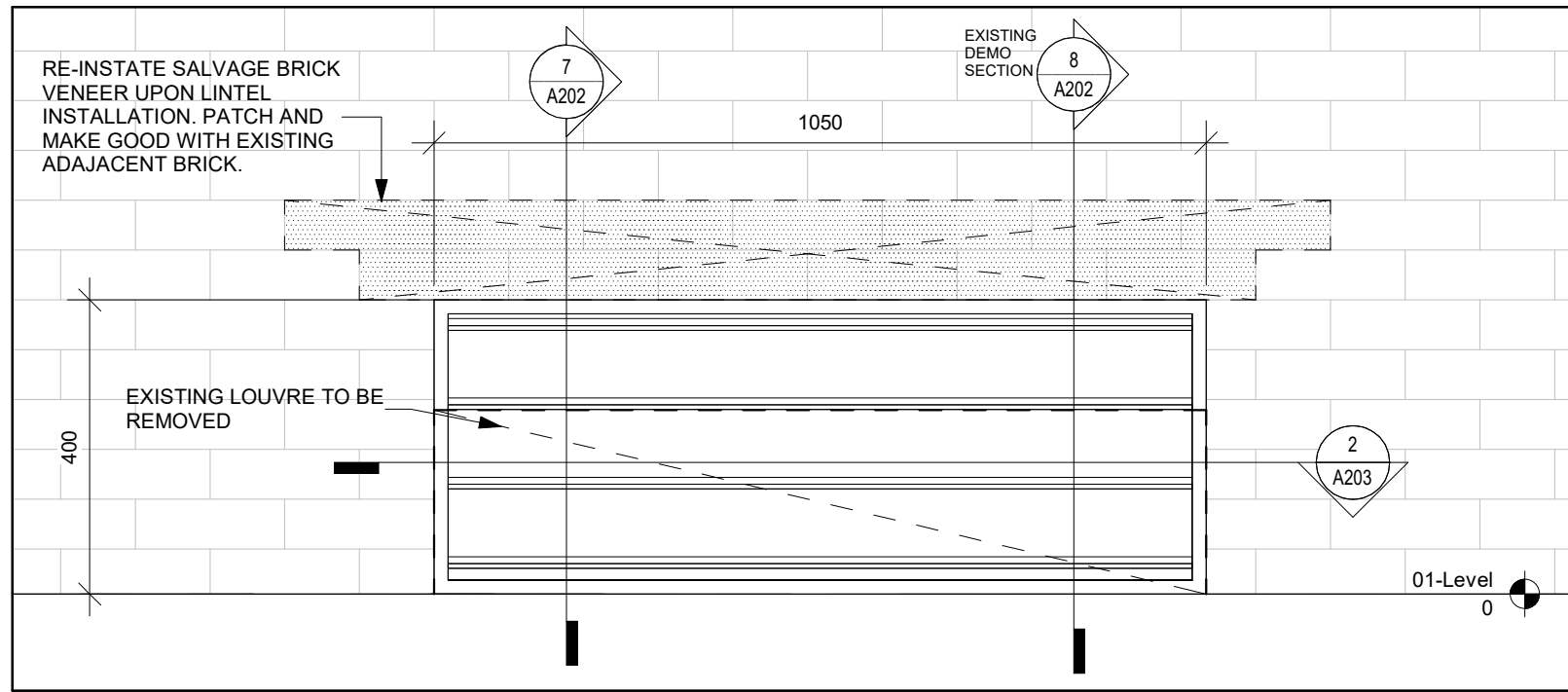
2 PARTIAL GROUND FLOOR PLAN
A202 Scale: 1 : 100



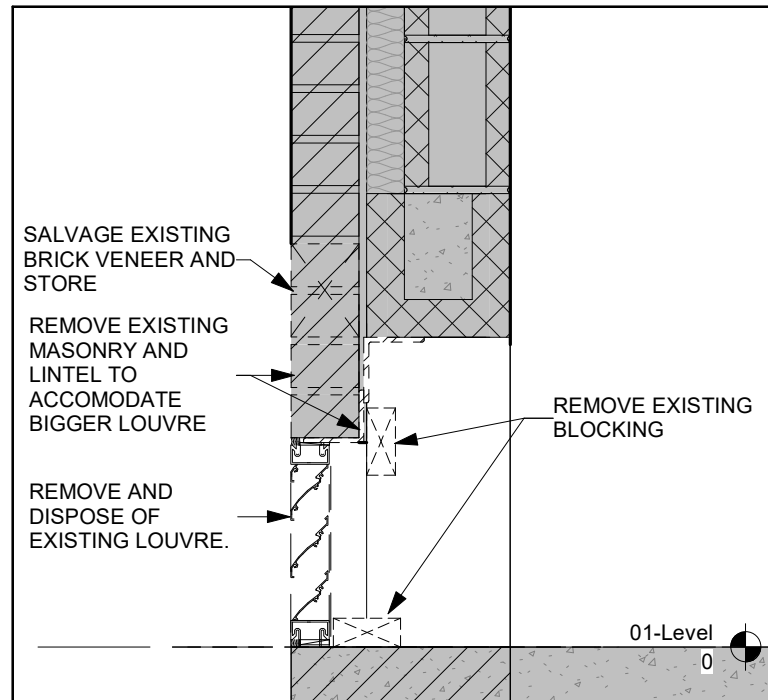
4 ENLARGED FAN ROOM
A202 Scale: 1 : 100



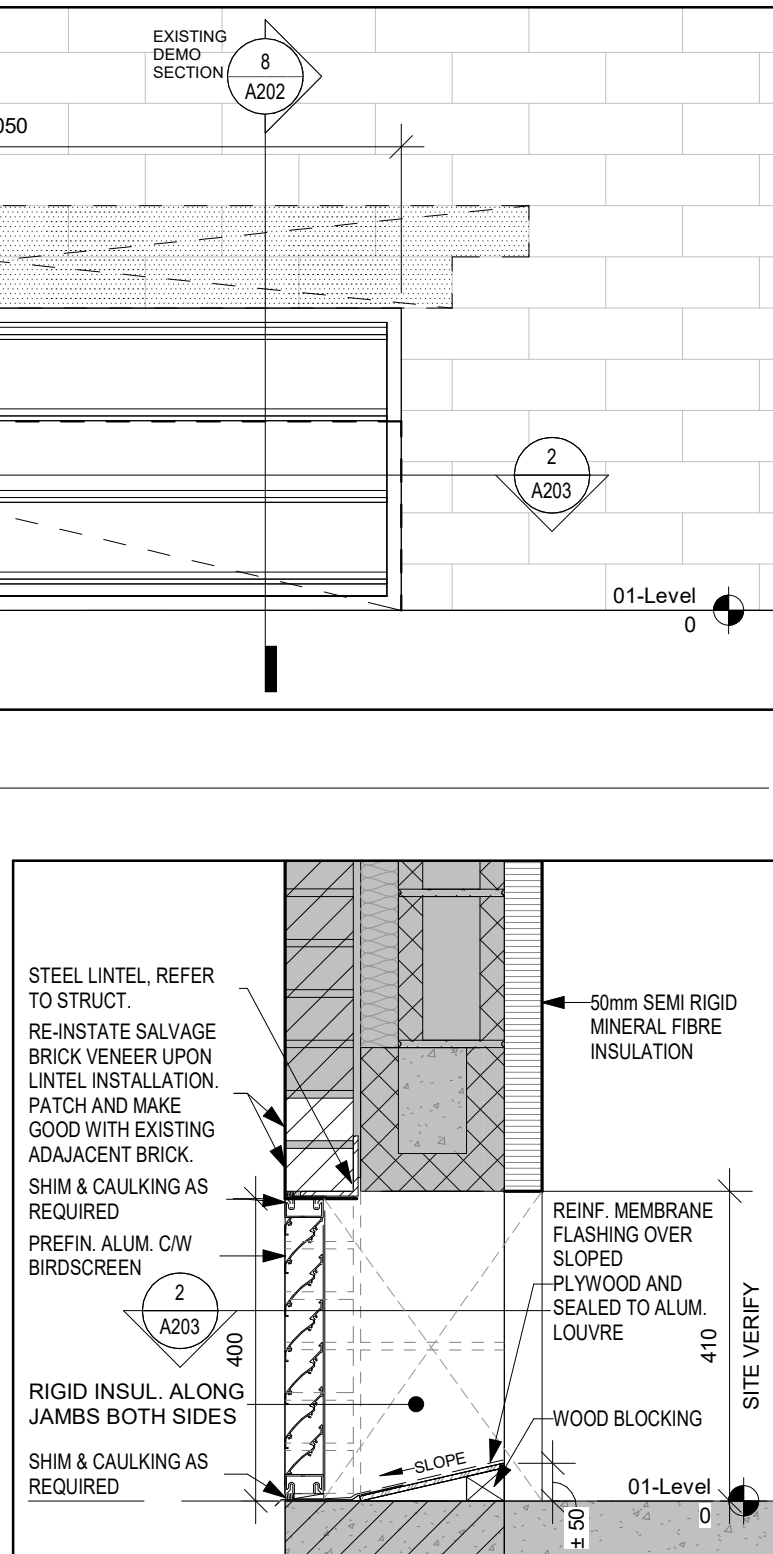
6 ENLARGED MECHANICAL ROOM
A202 Scale: 1 : 100



5 LOUVRE ELEVATION DETAIL
A202 Scale: 1 : 10



8 SECTION DETAIL - DEMO
A202 Scale: 1 : 10









7 SECTION DETAIL - PROPOSED
A202 Scale: 1 : 10

GENERAL NOTES

- ALL DIMENSIONS ARE APPROXIMATE, CONTRACTOR TO SITE VERIFY ALL DIMENSIONS.
- DIMENSIONING TO/FROM EXISTING CONDITIONS SHALL BE AT FACE OF EXISTING ASSEMBLY.
- CONTRACTOR TO PROTECT ALL EXISTING INTERIOR FINISHES, MECHANICAL, ELECTRICAL, MILLWORK AND FURNITURE TO REMAIN DURING CONSTRUCTION.
- MAKE GOOD ALL CEILING TILE/WALLS/SURFACES AFTER CONSTRUCTION, FIX AND PAINT WALLS DAMAGED BY CONSTRUCTION AND/OR REPLACE CEILING IF DAMAGED BY CONSTRUCTION.

FINISH LEGEND

FLOOR:					
	EXISTING LUXURY VINYL PLANK		EXISTING CARPET		VINYL COMPOSITE TILE
	EXISTING VINYL COMPOSITE TILE		STAIN		SHEET VINYL

WALL:

PT1	PAINT	KRB	EXISTING RUBBER BASE
PT2	PAINT	RB1	RUBBER BASE

DRAWING NOTES

- UNIT VENTILATOR, REFER TO MECHANICAL.
- NEW MILLWORK, EXISTING HORIZONTAL PIPING CHASES AND COUNTER GRILLES TO REMAIN INTACT.
- NEW MILLWORK W/ INTEGRATED LINEAR GRILLES.
- RUBBER BASE TO BE INSTALLED WHERE MILLWORK IS BEING REPLACED. COLOUR TO MATCH EXISTING.
- SAND, STAIN AND SEAL EXISTING PARQUET FLOORING
- NEW MILLWORK DOORS AND MELAMINE EDGE BANDING ON EXPOSED FRAME.
- REWORKED RADIATORS AND COVERS, REFER TO MECHANICAL DRAWINGS
- NEW SHIPS LADDER AND ROOF HATCH, REFER TO DETAIL ON 1/A802
- NEW UNIT VENTILATOR INCLUDING EXTERIOR LOUVRE, REFER TO MECHANICAL, UNTEL TO BE INSTALLED
- NEW SINK WITH INCORPORATED EYE WASH STATION, REFER TO MECHANICAL DRAWINGS
- INSULATE EXTENT OF EXTERIOR WALL WITH 50mm MINERAL FIBRE BATT, WHERE UNIT VENTILATOR IS BEING INSTALLED.
- CHECKERED PLATE TO COVER FLOOR OPENING, PATCH AND MAKE GOOD WITH EXISTING ADJACENT SURFACES. REFER TO STRUCTURAL DRAWINGS.
- REFER TO MECHANICAL DRAWINGS FOR INFILL DETAIL.
- 100mm INSULATED METAL PANEL SEALED AGAINST LOUVRE W/ BUTYL SEALANT
- PREFINISHED ALUMINUM LOUVRE C/W BUG SCREEN, REFER TO MECHANICAL.
- COUNTER GRILLE, REFER TO SPECIFICATION.

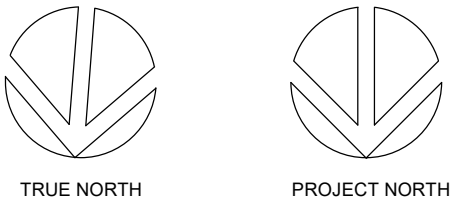
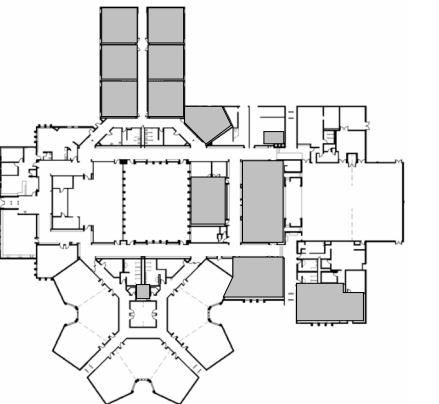
WALL ASSEMBLIES:

W-1	64mm	METAL STUDS
	18mm	ABUSE-RESISTANT GYPSUM WALL BOARD

CLIENT LOGO



KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2025.01.28

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

51 ARDELT AVE, KITCHENER, ON

PROJECT

LAURENTIAN PUBLIC SCHOOL

77 WESTMOUNT ROAD EAST, KITCHENER, ON

TITLE

PARTIAL GROUND FLOOR PLAN

WALTERFEDY

TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON

800.685.1378 walterfedy.com

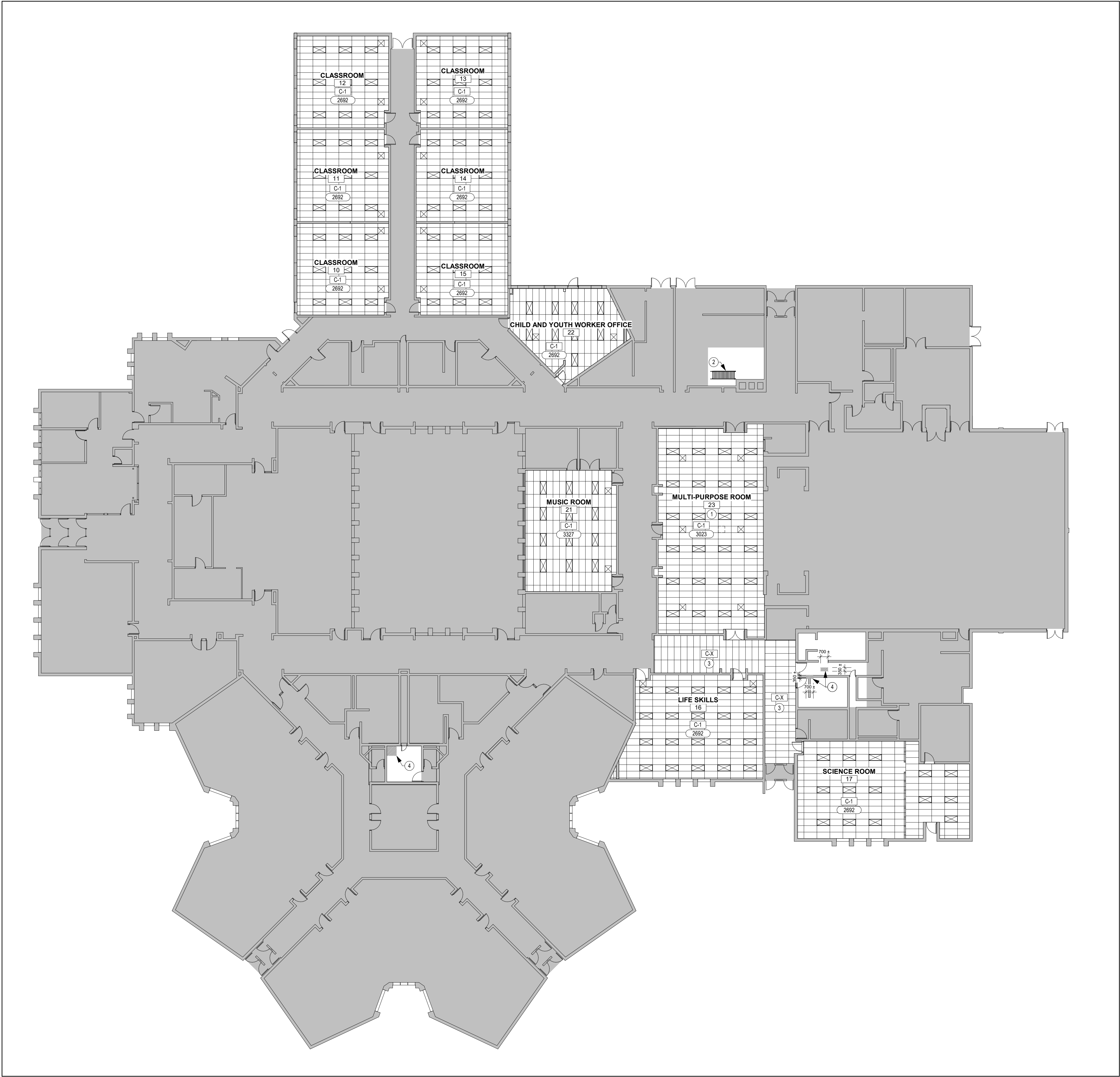
SEAL



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

COPYRIGHT © 2024 WalterFedy, A Part of WF Group Inc.

SCALE:	AS NOTED	SHEET NO:	A202
DATE:	01/23/25		
PROJECT NO:	2024-0789-12		
DRAWN BY:	CS		
CHECKED BY:	MM		



1 REFLECTED CEILING PLAN
A203 Scale: 1 : 200

CEILING NOTES:

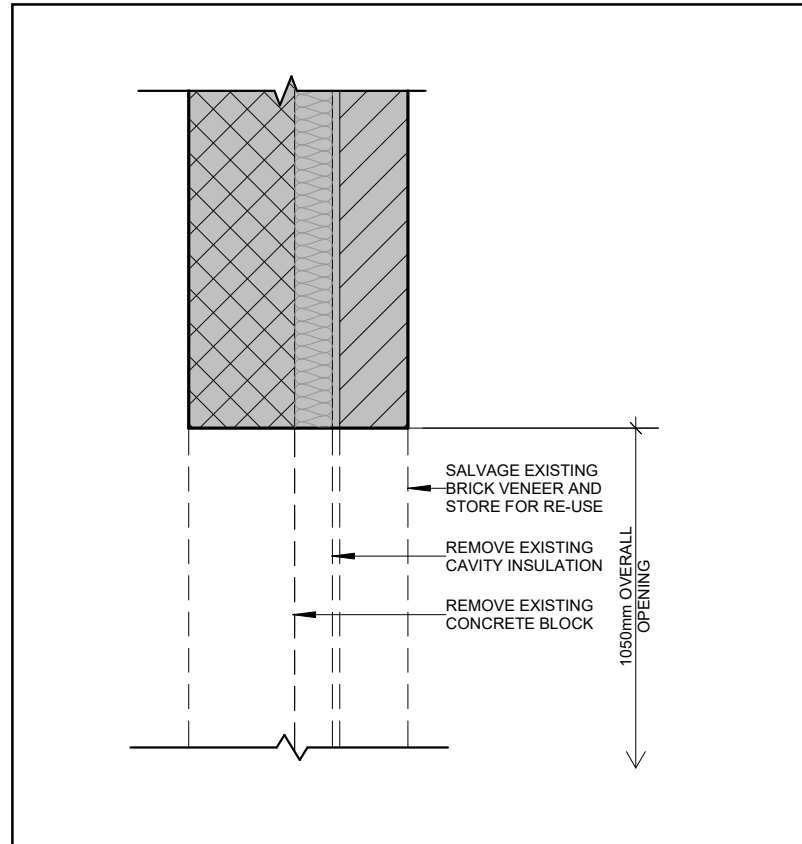
- EXISTING CEILING MOUNTED PROJECTOR TO BE RE-INSTALLED AFTER CEILING INSTALLATION
- ROOF ACCESS HATCH, REFER TO SPECIFICATION
- RE-INSTALL EXISTING ACOUSTIC CEILING TILE AND CEILING GRID. CEILING HEIGHT MATCHING ORIGINAL INSTALLATION. PATCH AND MAKE GOOD WITH EXISTING ADJACENT CEILING.
- EXTENT OF EXISTING GYPSUM WALL BOARD DEMOLITION, TO ALLOW FOR THE INSTALLATION OF STRUCTURE FOR MECHANICAL FLOOR PATCH, UPON COMPLETION OF STRUCTURAL WORK. INSTALL 2 LAYERS OF 16MM TYPE-X GYPSUM WALL BOARD. PATCH AND MAKE GOOD WITH EXISTING ADJACENT

CEILING ASSEMBLIES

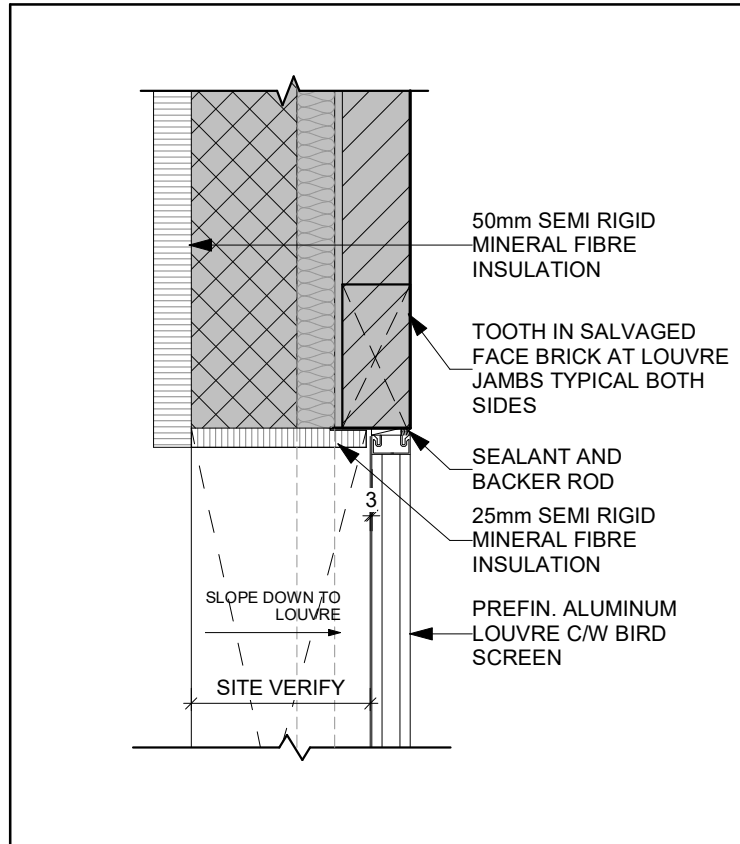
- C-X EXISTING ACT
- C-1 610x1220 ACOUSTIC CEILING TILE
PREFINISHED METAL T-BAR SUSPENSION SYSTEM

REFLECTED CEILING PLAN LEGEND:

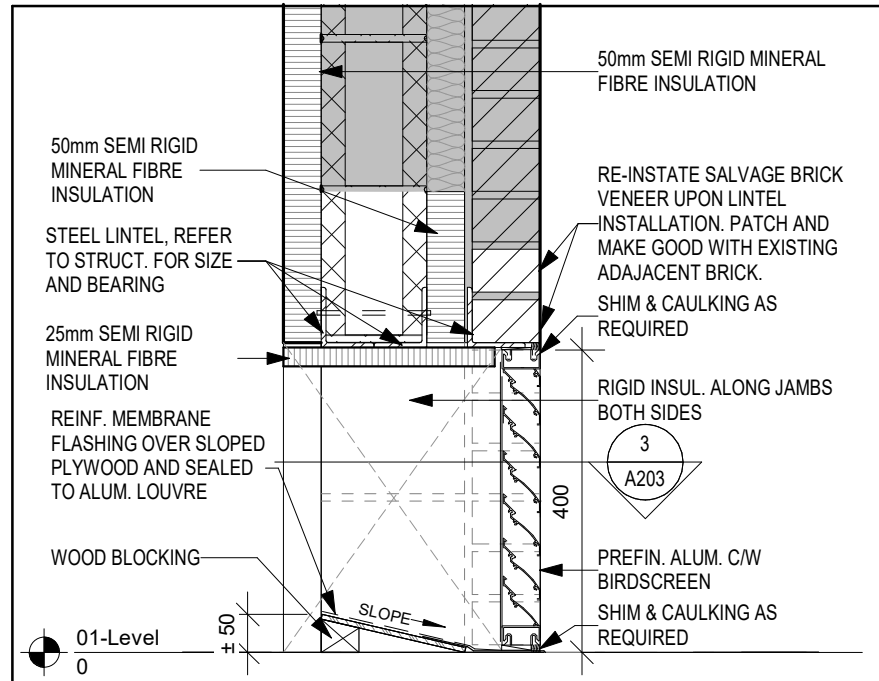
- C-1 CEILING ASSEMBLY TYPE
- XXXX U/S OF CEILING ELEVATION (MEASURED FROM FIN. FLOOR)
- ACOUSTICAL CEILING TILE
- LIGHT FIXTURE (SEE ELEC.)
- SUPPLY AIR DIFFUSER (SEE MECH.)
- RETURN AIR DIFFUSER (SEE MECH.)



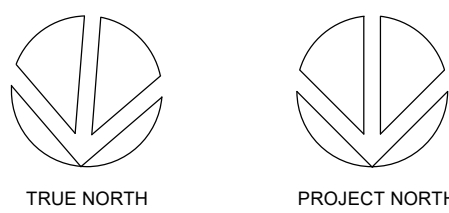
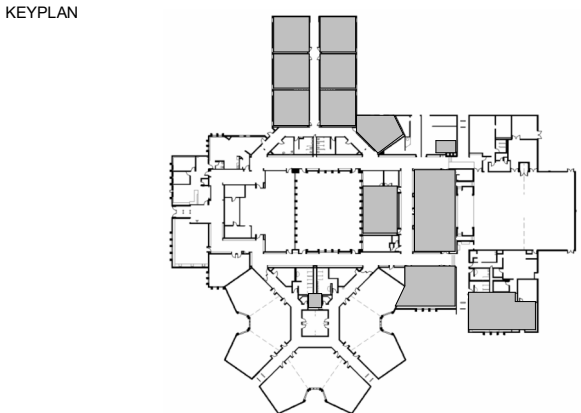
2 TYPICAL FOR BOTH SIDES OF OPENING - DEMO
A203 Scale: 1 : 10



3 PLAN DETAIL
A203 Scale: 1 : 10



4 SECTION DETAIL - PROPOSED
A203 Scale: 1 : 10



No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2025.01.28

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

51 ARDELT AVE, KITCHENER, ON

PROJECT
LAURENTIAN PUBLIC SCHOOL

77 WESTMOUNT ROAD EAST, KITCHENER, ON

TITLE
OVERALL GROUND REFLECTED CEILING PLAN

WALTERFEDY

TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON

800.685.1378 walterfedy.com

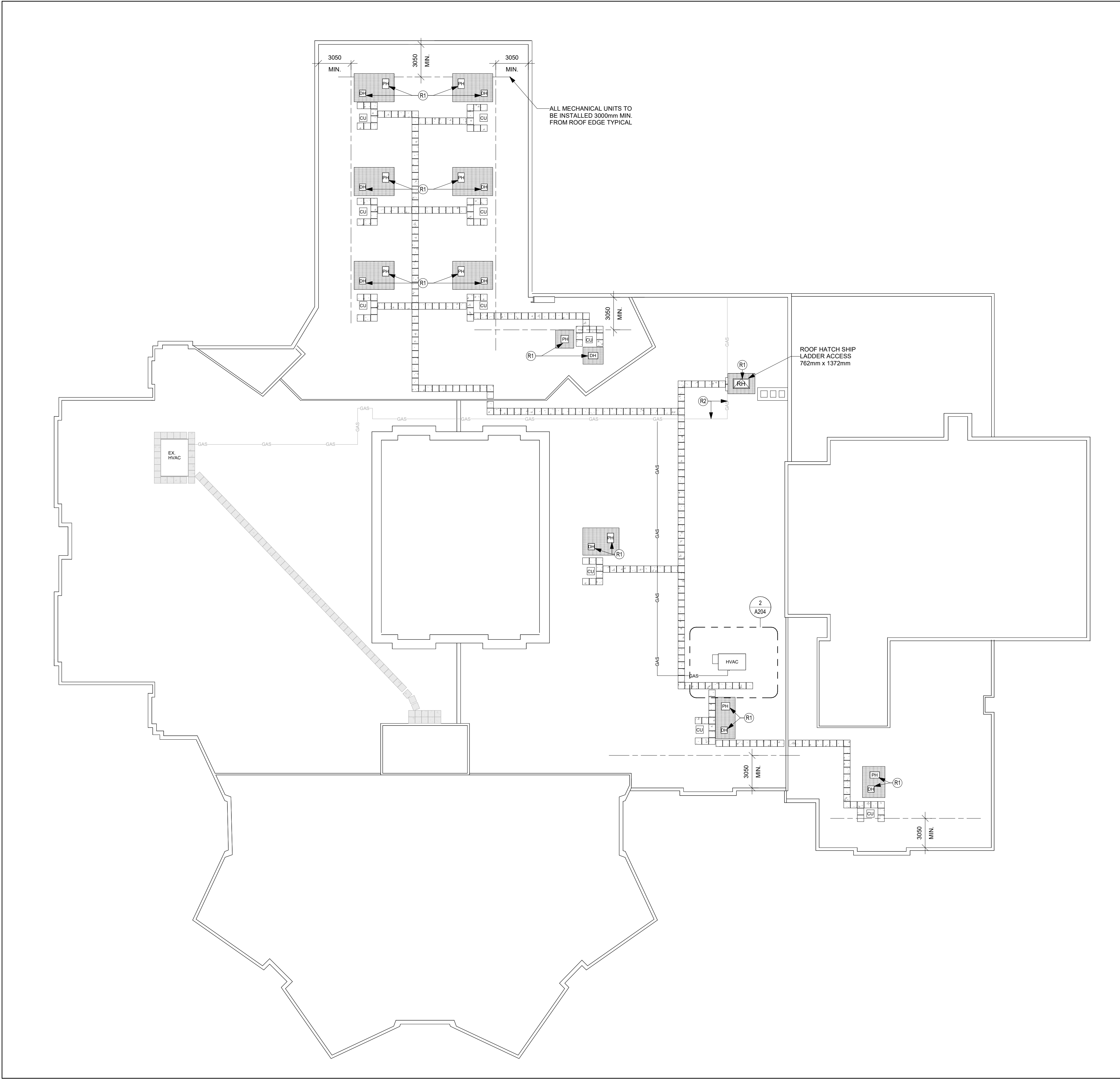


REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY, A PART OF WF GROUP, IS FORBIDDEN. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS TO WALTERFEDY, A PART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

COPYRIGHT © 2024 WalterFedy, A Part of WF Group Inc.

SCALE:	AS NOTED
DATE:	01/23/25
PROJECT NO:	2024-0789-12
DRAWN BY:	CS
CHECKED BY:	MM

SHEET NO:
A203



1 ROOF PLAN
A204 Scale: 1 : 200

ROOF LEGEND:

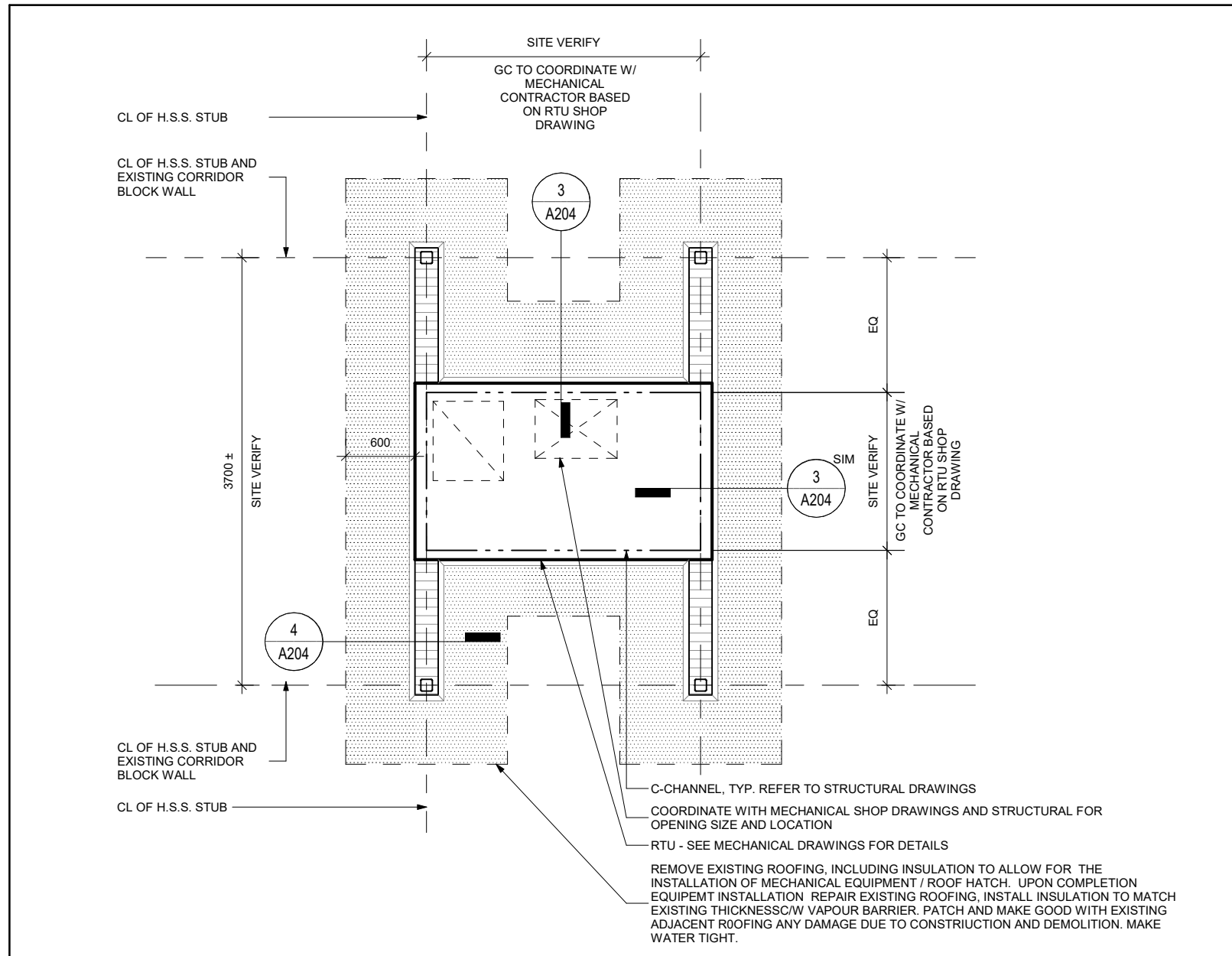
- EXTENT OF ROOF REPAIR.
- 600x600 PRECAST CONCRETE ROOF PAVERS C/W INSULATION SLEEPERS 25mm THICK XPS MEMBRANE PROTECTION.
- ROOF PENTHOUSE. REFER TO MECHANICAL DRAWINGS FOR DETAIL.
- CONDENSER UNIT. REFER TO MECHANICAL DRAWINGS FOR DETAIL.
- DOGHOUSE. REFER TO MECHANICAL DWG'S FOR DETAIL.
- ROOF ACCESS HATCH, REFER TO SPECIFICATION

GENERAL ROOF NOTES:

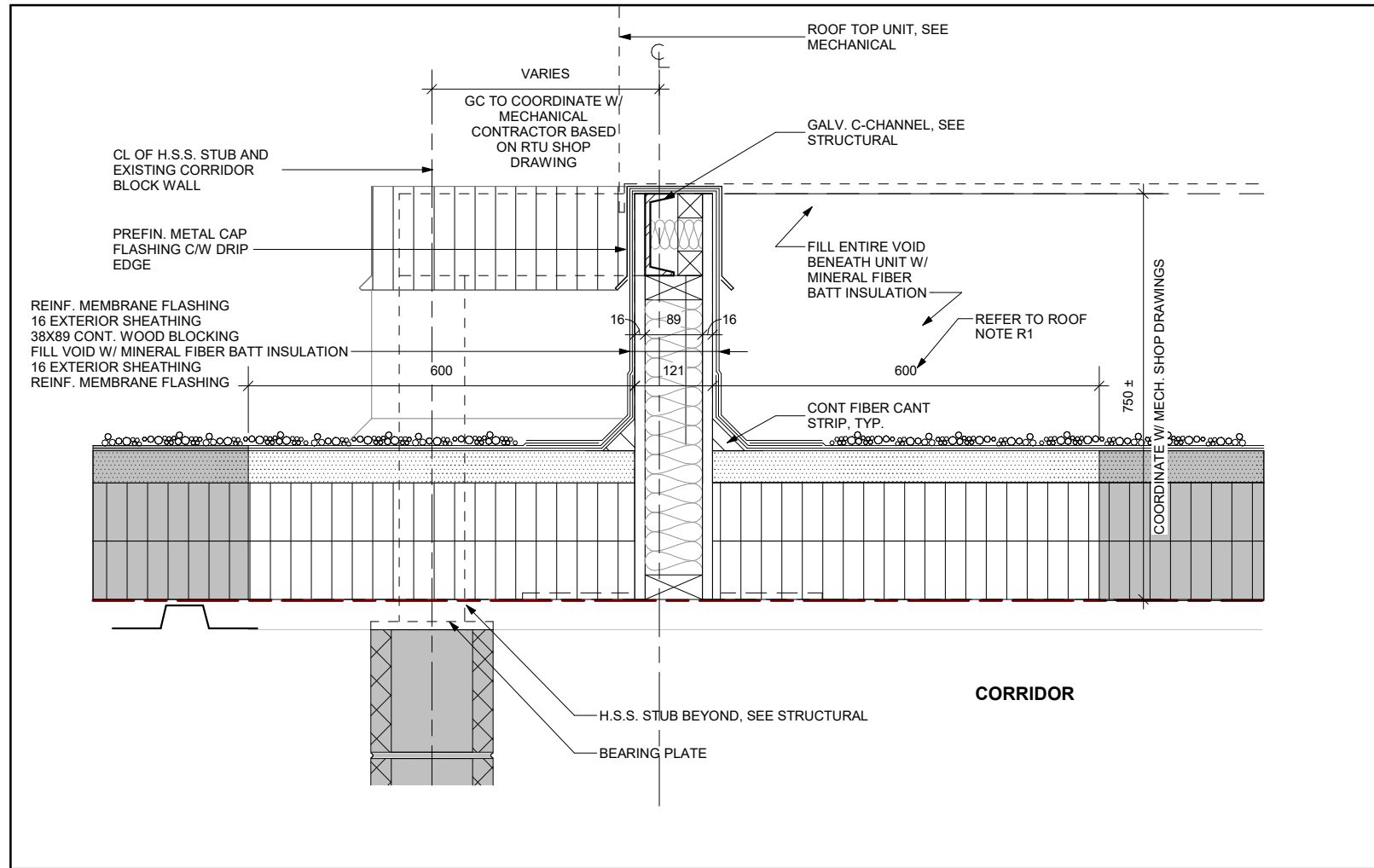
- ROOF AREAS TO REMAIN ARE TO BE PROTECTED FROM ALL DAMAGE.
- ROOFING CONTRACTOR NOT TO EXCEED DESIGN ROOF LOADS, WHEN STORING / MOVING ROOF MATERIALS AND EQUIPMENT.
- ROOFER TO PROTECT ALL OPENINGS FROM WATER PENETRATION DURING DEMOLITION INCLUDING AREAS WHERE METAL CAPPING IS TO BE REMOVED. COORDINATE WORK WITH OWNER FOR SEQUENCING. ENSURE NO DAMAGE TO AREAS BELOW ROOF. WATER PENETRATION INTO HOSPITAL FLOOR AREAS IS TO BE AVOIDED AT ALL COST TO PROTECT PATIENT CARE AREAS AND SENSITIVE HOSPITAL EQUIPMENT.

ROOF NOTES:

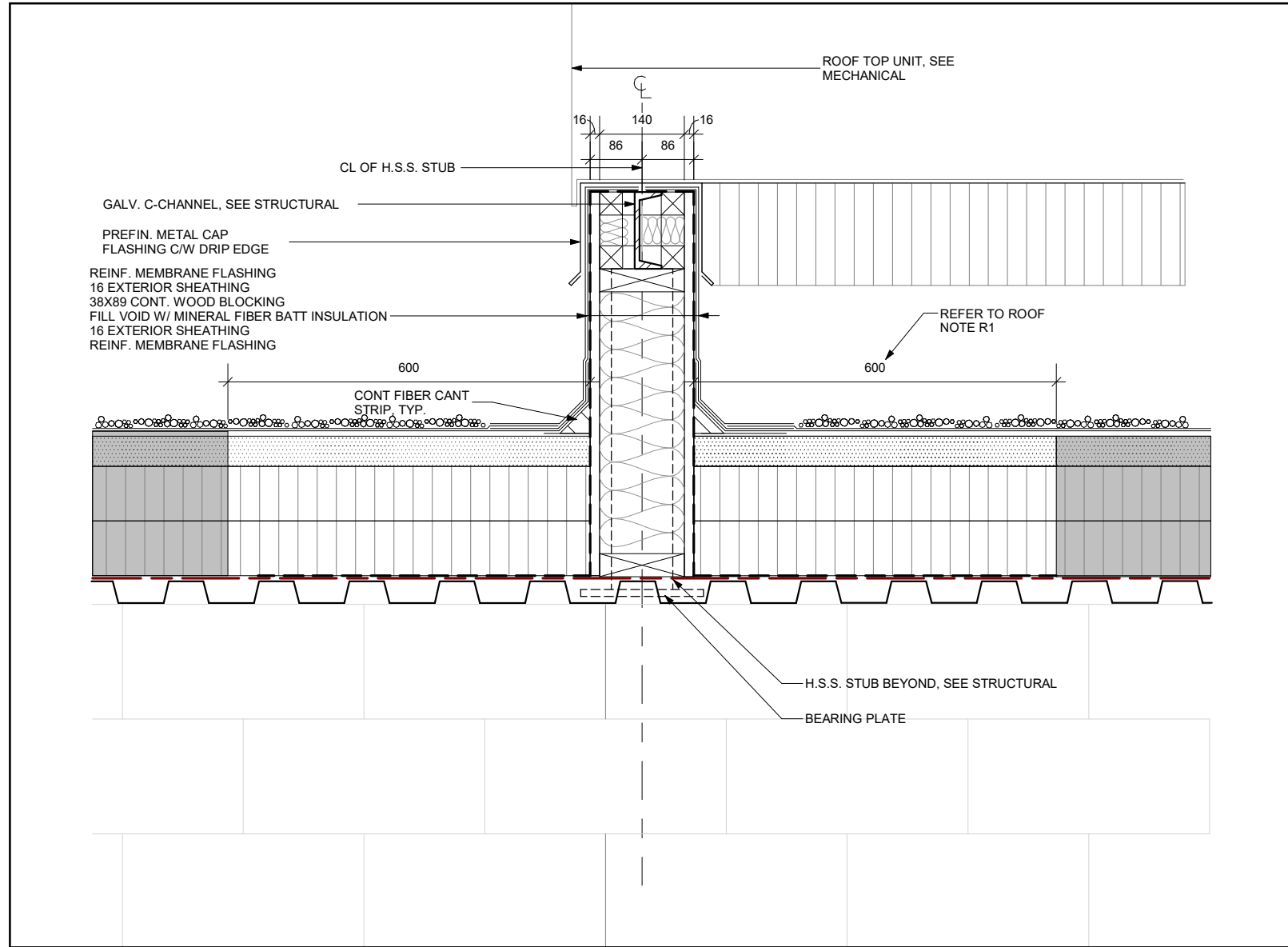
- (R1) REMOVE EXISTING ROOFING, INCLUDING INSULATION TO ALLOW FOR THE INSTALLATION OF MECHANICAL EQUIPMENT / ROOF HATCH. UPON COMPLETION EQUIPMENT INSTALLATION. REPAIR EXISTING ROOFING. INSTALL INSULATION TO MATCH EXISTING THICKNESS C/W VAPOUR BARRIER, PATCH AND MAKE GOOD WITH EXISTING ADJACENT ROOFING. ANY DAMAGE DUE TO CONSTRUCTION AND DEMOLITION, MAKE WATER TIGHT.
- (R2) EXISTING GAS LINE TO REMAIN UNDISTURBED UNLESS NOTED OTHERWISE. REFER TO MECHANICAL DWGS.



2 ENLARGED PARTIAL ROOF PLAN
A204 Scale: 1 : 50



3 SECTION DETAIL
A204 Scale: 1 : 10



4 SECTION DETAIL
A204 Scale: 1 : 10

CLIENT LOGO

KEYPLAN

TRUE NORTH PROJECT NORTH

No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2025.01.28

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

51 ARDELT AVE, KITCHENER, ON

PROJECT

LAURENTIAN PUBLIC SCHOOL

77 WESTMOUNT ROAD EAST, KITCHENER, ON

TITLE

OVERALL ROOF PLAN

WALTERFEDY

TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON

800.685.1378 walterfedy.com

SEAL

ONTARIO ASSOCIATION OF ARCHITECTS

MARIA JOSE MELO LICENCE 9327

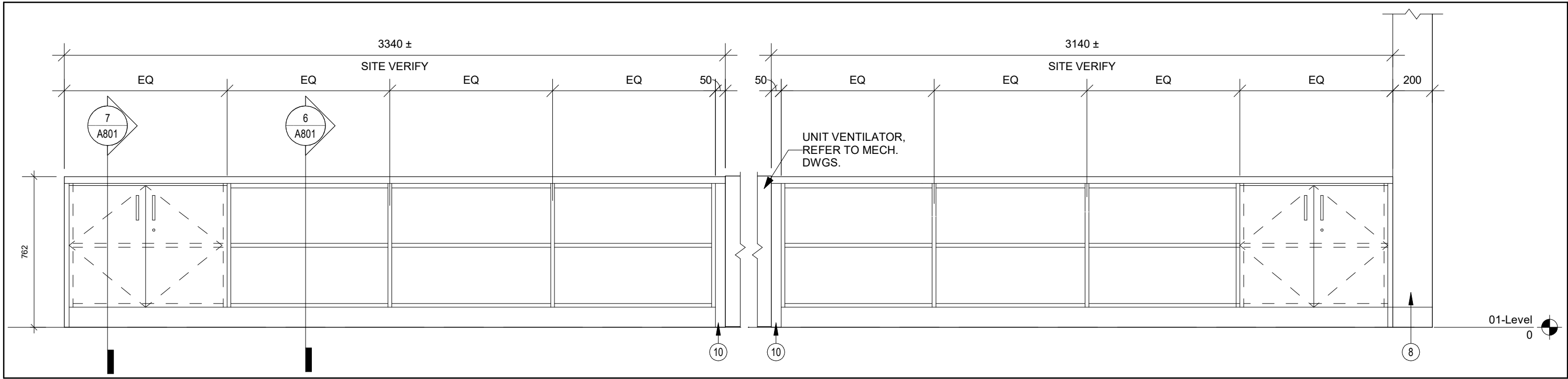
2024-0789-11

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

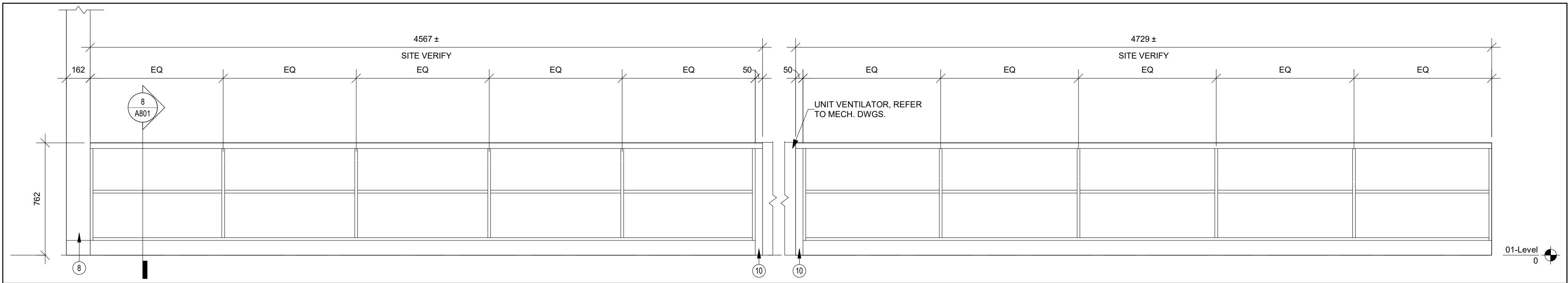
COPYRIGHT © 2024 WalterFedy, A Part of WF Group Inc.

SCALE:	AS NOTED	SHEET NO:
DATE:	01/23/25	
PROJECT NO:	2024-0789-12	
DRAWN BY:	CS	
CHECKED BY:	MM	

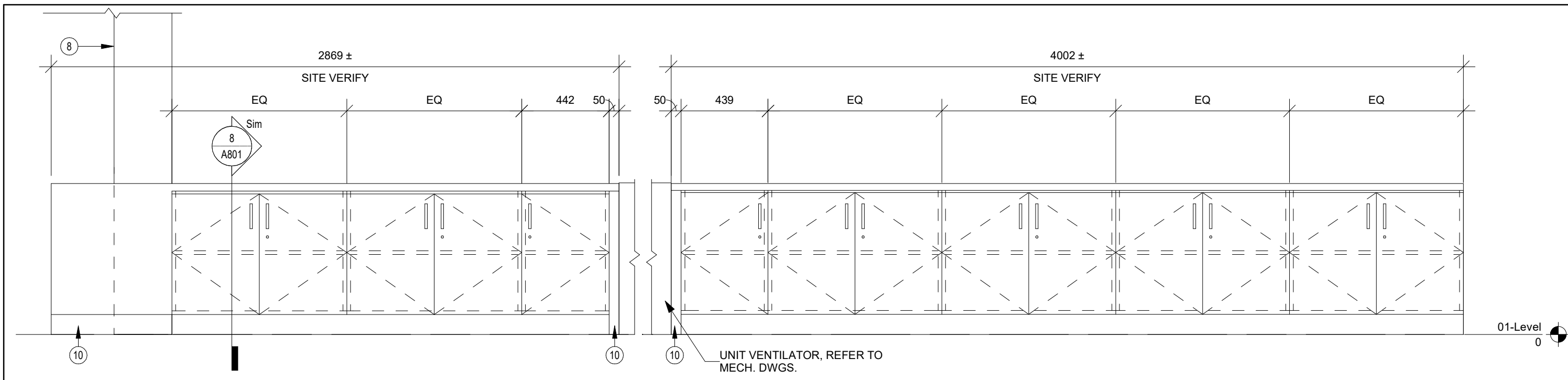
A204



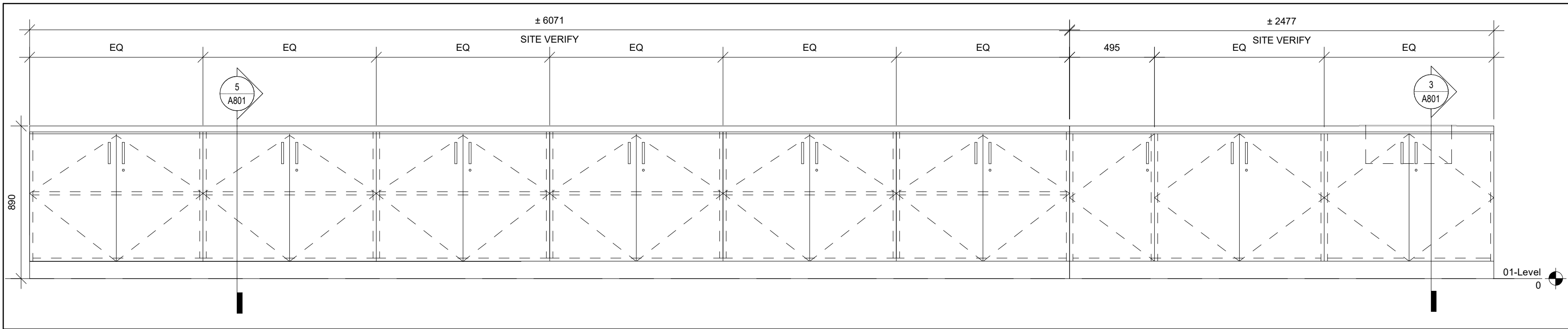
1 TYP. CLASSROOM - MILLWORK ELEVATION
A801 Scale: 1 : 20



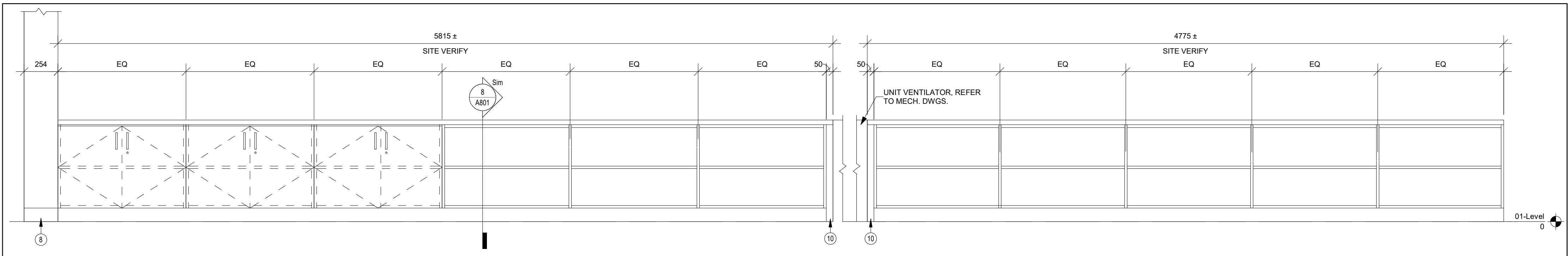
2 MUSIC ROOM - MILLWORK ELEVATION
A801 Scale: 1 : 20



4 SCIENCE ROOM - NORTH MILLWORK ELEVATION
A801 Scale: 1 : 20



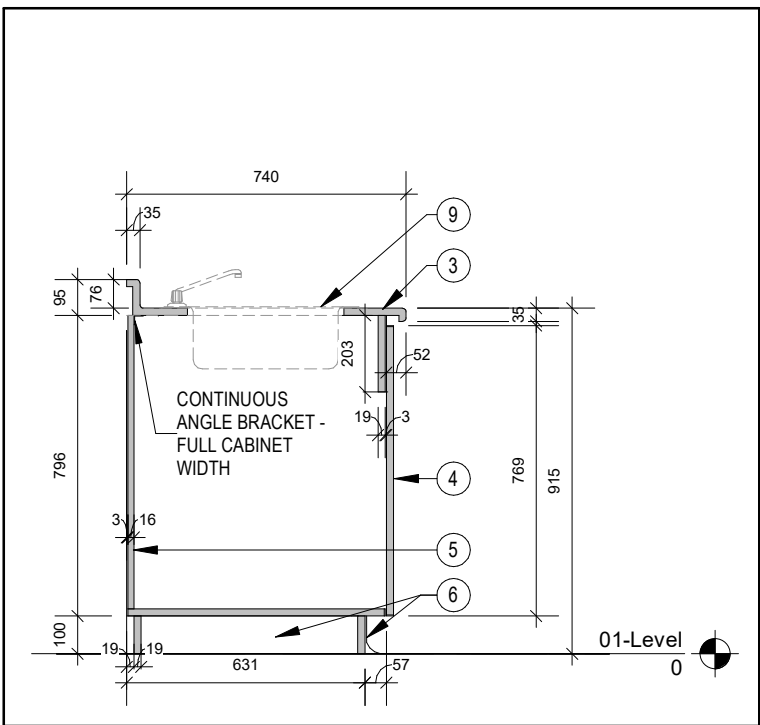
9 SCIENCE ROOM - SOUTH MILLWORK ELEVATION
A801 Scale: 1 : 20



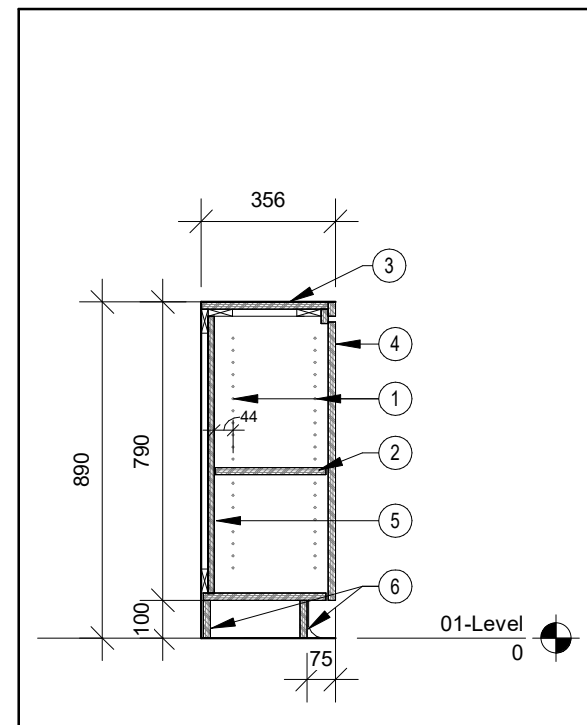
11 LIFE SKILLS - MILLWORK ELEVATION
A801 Scale: 1 : 20

MILLWORK DRAWING NOTES:

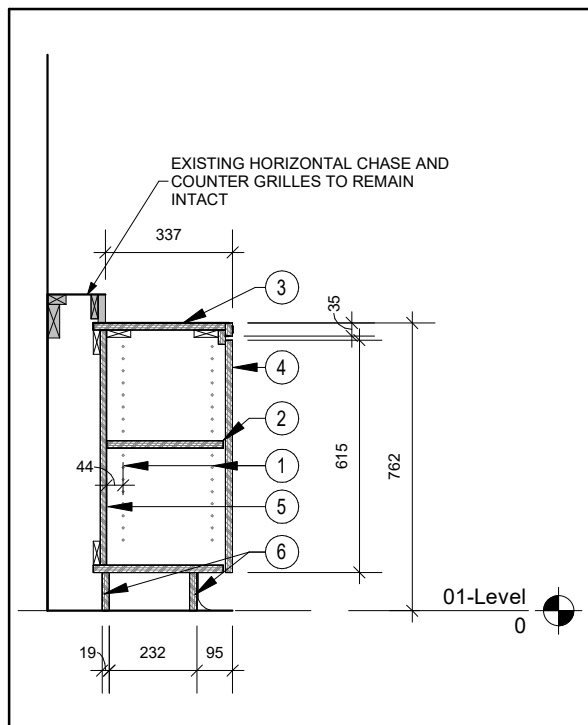
- 1 RECESSED SHELVING PILASTERS
- 2 19mm MELAMINE ADJUSTABLE SHELF WITH 3mm PVC EDGES.
- 3 19mm POST FORMED PLASTIC LAMINATE COUNTERTOP.
- 4 19mm MELAMINE DOOR C/W 3mm PVC EDGE ON ALL EXPOSED EDGES. PROVIDE LOCK - SCHLAGE CL100PB
- 5 16mm MELAMINE BACK C/W 3mm PVC EDGE WHERE EXPOSED
- 6 100mm HIGH RUBBER BASE TOE KICK (MATCH EXISTING) ON 19mm VENEER CORE PLYWOOD
- 7 INTERMEDIATE GABLES 3-19mm PLYWOOD, MELAMINE ON ALL EXPOSED FACES WITH 3mm PVC EDGES.
- 8 MILLWORK CHASE TO BE 19mm PLYWOOD, MELAMINE ON ALL EXPOSED FACES WITH 3mm PVC EDGES WITH 300mm X 300mm ACCESS PANEL
- 9 STAINLESS STEEL SINGLE SINK
- 10 FILLER PANEL
- 11 COUNTER GRILLE, REFER TO SPECIFICATION



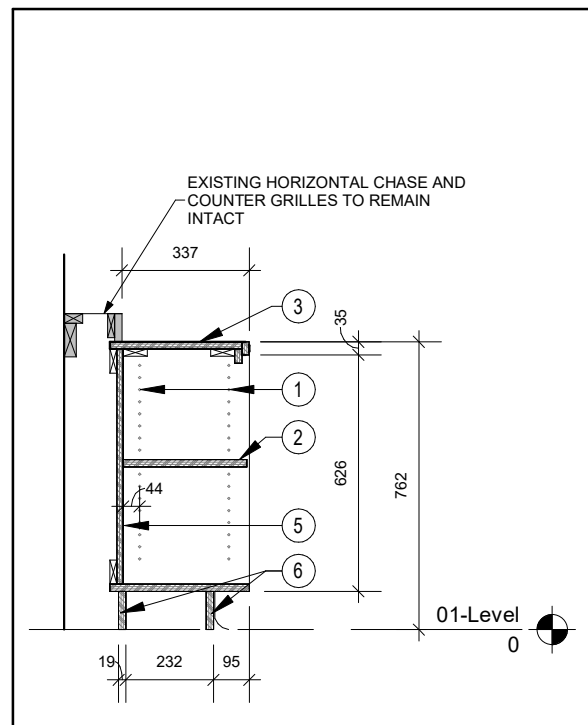
3 MILLWORK SECTION
A801 Scale: 1 : 20



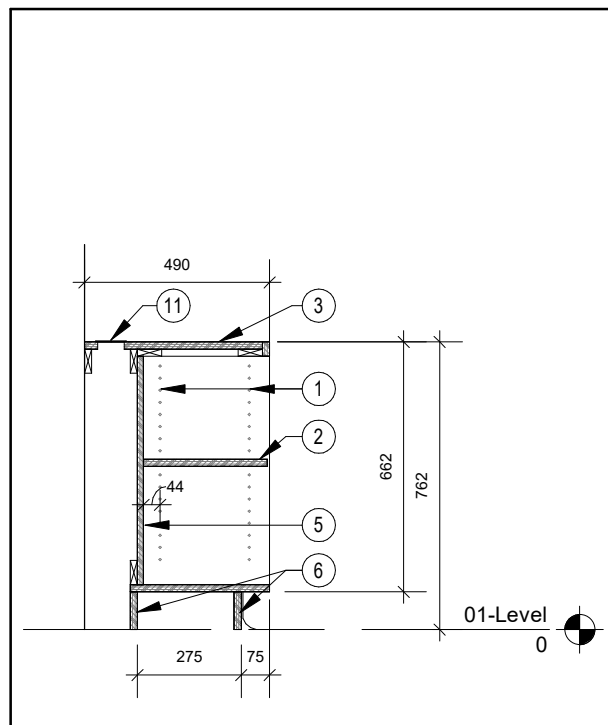
5 MILLWORK SECTION
A801 Scale: 1 : 20



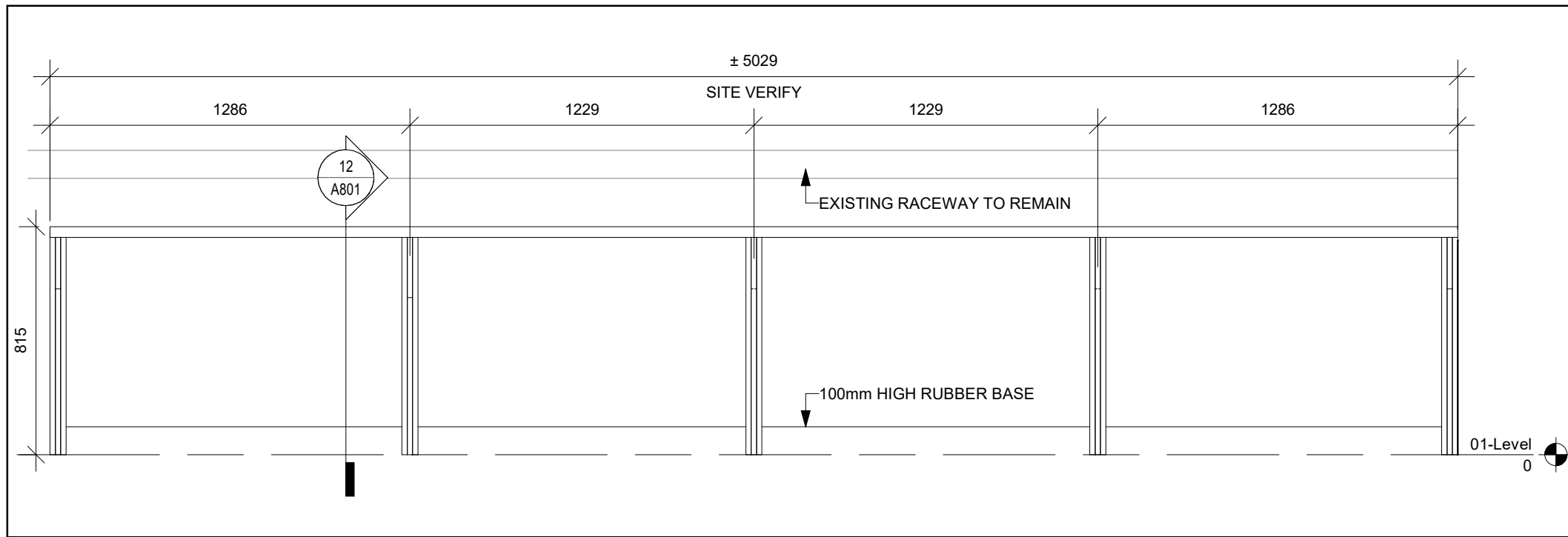
6 MILLWORK SECTION
A801 Scale: 1 : 20



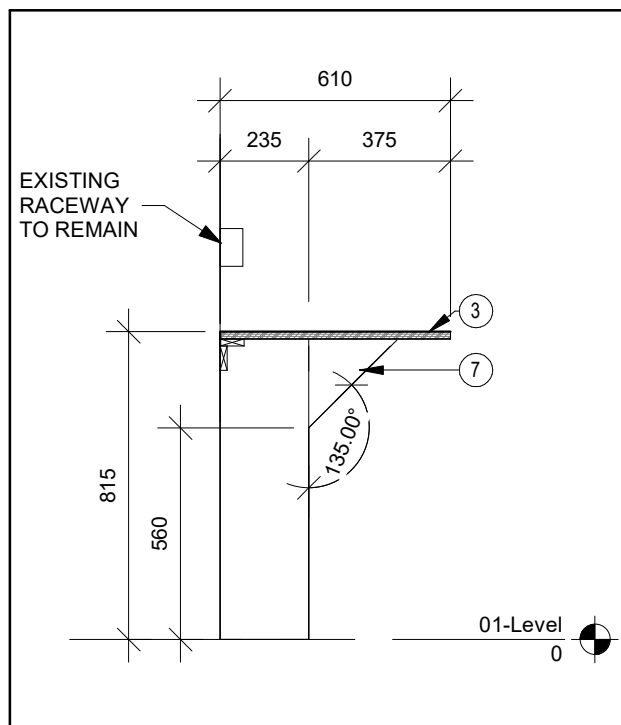
7 MILLWORK SECTION
A801 Scale: 1 : 20



8 MILLWORK SECTION
A801 Scale: 1 : 20



10 SCIENCE ROOM - EAST MILLWORK ELEVATION
A801 Scale: 1 : 20



12 MILLWORK SECTION
A801 Scale: 1 : 20



No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2025.01.28

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE, KITCHENER, ON

PROJECT
LAURENTIAN PUBLIC SCHOOL
77 WESTMOUNT ROAD EAST, KITCHENER, ON

TITLE
MILLWORK ELVATIONS AND SECTIONS

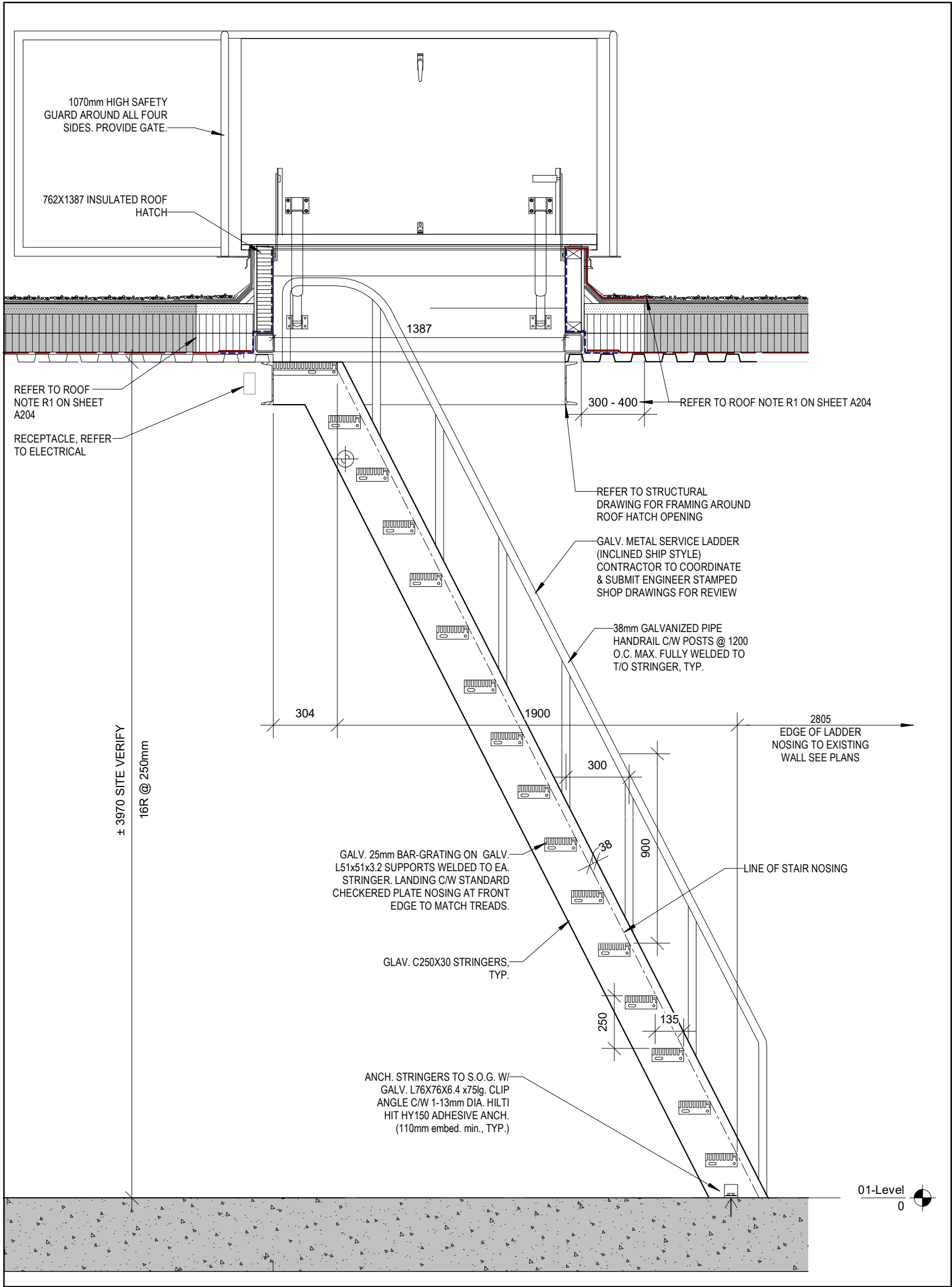
WALTERFEDY
TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON
800.685.1378 walterfedy.com



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

COPYRIGHT © 2024 WalterFedy, A Part of WF Group Inc.

SCALE: AS NOTED	SHEET NO: A801
DATE: 01/23/25	
PROJECT NO: 2024-0789-12	
DRAWN BY: CS	
CHECKED BY: MM	



1 SHIP'S LADDER SECTION
A802 Scale: 1 : 20

CLIENT LOGO

KEYPLAN

No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2025.01.28

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

51 ARDELT AVE, KITCHENER, ON

PROJECT

LAURENTIAN PUBLIC SCHOOL

77 WESTMOUNT ROAD EAST, KITCHENER, ON

TITLE

TYPICAL DETAILS

TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON

800.685.1378 walterfedy.com

SEAL

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

COPYRIGHT © 2024 WalterFedy, A Part of WF Group Inc.

SCALE:	AS NOTED	SHEET NO.:
DATE:	01/23/25	A802
PROJECT NO.:	2024-0789-12	
DRAWN BY:	CS	
CHECKED BY:	MM	

1. MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2024 ONTARIO BUILDING CODE AND ANY APPLICABLE ACTS OF THE AUTHORITY HAVING JURISDICTION.
2. READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS, AND ALL OTHER CONTRACT DOCUMENTS.
3. VERIFY ALL STRUCTURAL DIMENSIONS WITH THE CIVIL, ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
4. THE MOST STRINGENT REQUIREMENT GOVERNS WHERE DISCREPANCIES OCCUR WITHIN THE CONTRACT DOCUMENTS, INCLUDING APPLICABLE CODES, STANDARDS AND ACTS.
5. REFER TO THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND SIZES OF OPENINGS, DEPRESSIONS, GROOVES, CURBS, CHAMFERS, SLOPES, SLEEVES, EQUIPMENT HOLES, EMBEDMENTS, TRENCHES, SUMP PITS AND EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
6. DO NOT CUT, DRILL OR ALTER STRUCTURAL MEMBERS WITHOUT PERMISSION FROM THE CONSULTANT, UNLESS NOTED ON THE DRAWINGS.
7. THE STRUCTURAL DRAWINGS ARE FOR THE COMPLETED PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY, TEMPORARY WORKS, AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION.
8. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS SHOWN ON THE DRAWINGS.
9. FOR INSPECTION AND TESTING REQUIREMENTS, REFER TO SPECIFICATIONS.

1. EXISTING STRUCTURE AND DIMENSIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND ARE PROVIDED TO CONVEY DESIGN INTENT ONLY. THE DESIGN IS BASED ON THE INFORMATION CONTAINED IN THE RECORD DRAWINGS FOR THE EXISTING BUILDINGS, AND ON LIMITED SITE OBSERVATIONS. VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. NOTIFY THE CONSULTANT OF ANY DISCREPANCIES OR CONDITIONS ENCOUNTERED THAT COULD POTENTIALLY AFFECT THE WORK AND OBTAIN DIRECTION BEFORE PROCEEDING.
2. PROTECT EXISTING STRUCTURES FROM DAMAGE DURING CONSTRUCTION. PATCH AND MAKE GOOD ALL EXISTING BUILDING ELEMENTS DISTURBED OR DAMAGED AS PART OF THE WORK.

1. STRUCTURAL STEEL:
2. NON-SHRINK GROUT: NON-METALLIC, 40 MPa MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS

1. PERFORM WORK IN ACCORDANCE WITH CSA-S16 AND THE CISC CODE OF STANDARD PRACTICE.
2. CONNECTIONS ARE SHOWN ON THE STRUCTURAL DRAWINGS TO INDICATE DESIGN INTENT. REFER TO SPECIFICATIONS FOR CONNECTION DESIGN, DETAILING, FABRICATION, AND ERECTION REQUIREMENTS. ALL CONNECTIONS ARE BEARING TYPE WITH A MINIMUM OF 2-19 (3/4") Ø BOLTS UNLESS NOTED OTHERWISE.
3. DESIGN CONNECTIONS FOR FORCES INDICATED ON THE STRUCTURAL DRAWINGS. WHERE CONNECTION FORCES ARE NOT PROVIDED, DESIGN CONNECTIONS FOR THE FOLLOWING FORCES:
 1. FULL COMPOSITE BEAM ENDS: FACTORED SHEAR FORCE OF 50% OF THE MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE BEAM IN BENDING.
 2. COMPOSITE BEAM ENDS: FACTORED SHEAR FORCE OF 75% OF THE MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE NON COMPOSITE BEAM IN BENDING.
 3. FULL-MOMENT CAPACITY OF SMALLEST MEMBER JOINED FOR MOMENT CONNECTIONS. NOTE "STUB" DENOTES A MOMENT CONNECTION FOR CANTILEVER MEMBER.
 4. FULL CROSS-SECTIONAL CAPACITY OF MEMBER AT SPLICE LOCATIONS.
4. DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
5. PROVIDE MINIMUM 10 (3/8") BEAM WEB STIFFENER PLATES (BOTH SIDES) ON ALL CONCENTRATED LOAD POINTS, INCLUDING BEAMS RUNNING OVER OR SUPPORTING COLUMNS.
6. PROVIDE 50 (2") NON-SHRINK, NON-METALLIC GROUT UNDER BASE PLATES UNLESS NOTED OTHERWISE.
7. OBTAIN CONSULTANT'S PERMISSION TO SPLICE MEMBERS, OTHER THAN AT LOCATIONS INDICATED ON THE DRAWINGS.
8. ALL EXPOSED EXTERIOR STEEL TO BE HOT-DIPPED GALVANIZED. TOUCH-UP FIELD WELDS AND DAMAGED SURFACES WITH TWO COATS OF ZINC-RICH TOUCH-UP PAINT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
9. REFER TO ARCHITECTURAL DRAWINGS FOR STAIRS, LADDERS, HANDRAILS, PLATFORMS, AND OTHER ELEMENTS NOT DETAILED ON THE STRUCTURAL DRAWINGS.
10. PROVIDE ALL ERECTION BRACING REQUIRED TO KEEP THE STRUCTURE STABLE AND IN ALIGNMENT DURING CONSTRUCTION.
11. PROVIDE FIRE PROTECTION FOR STRUCTURAL STEEL IN ACCORDANCE WITH THE ARCHITECTURAL REQUIREMENTS. PROVIDE COMPATIBLE COATINGS OR SURFACE PREPARATION FOR STEEL MEMBERS TO BE FIRE-SPRAYED OR COATED WITH INTUMESCENT PAINT.
12. DETAIL GUSSET PLATES TO AVOID INTERFERENCES WITH ARCHITECTURAL FINISHES, SHAFT CLEARANCES, MECHANICAL AND ELECTRICAL SERVICES.
13. ALL BOLTS ARE TO BE INSTALLED SNUG-TIGHT, AS DEFINED IN CSA S16.

15. PROVIDE ADEQUATE SUPPORTS FOR BEARING OF STEEL DECK AT CONNECTIONS, COLUMNS OR OTHER IRREGULARITIES WHERE THE DECK IS UNABLE TO BEAR ON THE PRIMARY SUPPORTING MEMBERS.
16. PROVIDE CAP PLATES AT TOP OF ALL HSS COLUMNS, MINIMUM 6.4 (1/4") THICK. DESIGN CAP PLATES FOR CONNECTION LOADS WHERE APPLICABLE.
17. PROVIDE ARCHITECTUALLY EXPOSED STRUCTURAL STEEL TO MEET THE REQUIREMENTS OF THE CISQ CODE OF STANDARD PRACTICE APPENDIX I WHERE INDICATED. ERECT USING SOFTENED SLINGS OR OTHER METHODS SUCH THAT THEY ARE NOT DAMAGED. PROVIDE PADDING AS REQUIRED TO PROTECT WHILE RIGGING AND ALIGNING.
18. GRIND SMOOTH ALL WELDS AND FLAME-CUT EDGES EXPOSED TO VIEW.
19. WELDED CONNECTIONS BETWEEN REINFORCING BAR COUPLERS AND STRUCTURAL STEEL SHALL DEVELOP THE ULTIMATE TENSILE STRENGTH OF THE SPECIFIED REINFORCING BAR.
20. PERFORM WELDING IN ACCORDANCE WITH CSA W59 AND CSA S16 USING WELDERS CERTIFIED BY THE CANADIAN WELDING BUREAU TO CSA W47.1 DIVISION 1 OR 2.

- ALTERNATIVES TO THE SPECIFIED HILTI PRODUCTS OUTLINED IN THE MATERIAL REQUIREMENTS AND DRAWINGS MAY BE ACCEPTED BY THE CONSULTANT PROVIDED:
 1. TESTING DATA IS PROVIDED DEMONSTRATING THAT THEIR PERFORMANCE (INCLUDING CAPACITY IN CRACKED CONCRETE AND CAPACITY REDUCTIONS DUE TO SPACING AND EDGE DISTANCE) IS EQUIVALENT TO THE HILTI PRODUCTS SPECIFIED.
2. ANCHORS LOCATED OUTSIDE THE BUILDING ENVELOPE'S VAPOUR BARRIER TO BE HOT DIP GALVANIZED OR STAINLESS STEEL.
3. USE DRILLING AND INSTALLATION TOOLS AND PROCEDURES PER MANUFACTURER'S RECOMMENDATIONS. DO NOT CORE DRILL UNLESS SPECIFICALLY NOTED ON DRAWINGS. HOLE DIAMETERS NOT TO EXCEED THOSE REQUIRED BY MANUFACTURER.
4. WHERE CORE DRILLING IS SPECIFIED, CLEAN AND ROUGHEN HOLES PER MANUFACTURER'S RECOMMENDATION.
5. ARRANGE FOR THE ANCHOR MANUFACTURER TO CONDUCT ON SITE TRAINING FOR INSTALLATION OF ALL THE PRODUCTS SPECIFIED, AND FOR ALL CONDITIONS ENCOUNTERED (E.G. HORIZONTAL, INCLINED, OVERHEAD), ALL INSTALLERS MUST COMPLETE THE SUPPLIER CERTIFIED INSTALLER TRAINING PROGRAM.
6. ARRANGE FOR A MANUFACTURER'S TECHNICAL REPRESENTATIVE TO BE PRESENT DURING INSTALLATION OF FIRST FEW ANCHORS OF EACH SIZE AND TYPE. SUBMIT SITE REPORTS INDICATING ANCHOR TYPES AND SIZES INSTALLED, LOCATIONS AND INSTALLERS' NAMES.
7. ANCHOR AND DOWEL CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND THEIR PROXIMITY TO CONCRETE AND MASONRY EDGES; THEREFORE, ALL ANCHORS MUST BE INSTALLED WITH CLEARANCES AND EDGE DISTANCES INDICATED ON DRAWINGS.
8. DO NOT CUT REINFORCEMENT TO ACCOMMODATE DRILLED ANCHORS AND DOWELS. SCAN THE STRUCTURE TO LOCATE REINFORCEMENT PRIOR TO FABRICATING STRUCTURAL STEEL FASTENED BY DRILLED ANCHORS.
9. UNLESS OTHERWISE NOTED ON DRAWINGS, EMBEDMENT LENGTHS FOR POST-INSTALLED HILTI ANCHORS TO BE:
 1. EXPANSION ANCHORS (HILTI KB-3Z AND HILTI KB-3)
 - 12mm (1/2"): 83mm (3-1/4")
 - 16mm (5/8"): 102mm (4")
 - 19m (3/4"): 121mm (4-3/4")
 2. ADHESIVE ANCHORS INTO CONCRETE OR GROUTED CONCRETE BLOCK WALL (HILTI HIT HY-200 AND HIT HY-70)
 - 12mm (1/2"): 114mm (4-1/2")
 - 16mm (5/8"): 143mm (5-5/8")
 - 19m (3/4"): 171mm (6-3/4")
 3. ADHESIVE ANCHORS INTO HOLLOW CONCRETE BLOCK WALL (HILTI HIT HY-70)
 - 12mm (1/2"): 50mm (2")
 4. ADHESIVE ANCHORS INTO HOLLOW BRICK MASONRY (HILTI HIT HY-70)
 - 12mm (1/2"): 80mm (3-1/8")
10. DO NOT BEND POST INSTALLED DOWELS AND RODS AFTER INSTALLATION.
11. DO NOT WELD TO PLATES FASTENED WITH ADHESIVE ANCHORS AFTER THE ADHESIVE IS PLACED.

1. WATERFEDWYLL WILL PERFORM PERIODIC FIELD REVIEWS OF A REPRESENTATIVE SAMPLE OF THE WORK TO CONFIRM THAT THE WORK FOR WHICH WE ARE RESPONSIBLE IS IN GENERAL ACCORDANCE WITH THE DESIGN AND CONSTRUCTION REQUIREMENTS, STANDARDS AND SPECIFICATIONS FOR LOADING AND PERFORMANCE REQUIREMENTS.
2. COOPERATE WITH CONSULTANTS AND INDEPENDENT INSPECTION AND TESTING AGENCIES RETAINED TO PERFORM FIELD REVIEW. PROVIDE ACCESS AND ASSISTANCE AS REQUIRED FOR THE SAFE PERFORMANCE OF THEIR WORK.
3. GENERAL REVIEW OF WORK DESIGNED BY OTHER PROFESSIONAL ENGINEERS (STAMPED SHOP DRAWINGS) IS TO BE PERFORMED BY AN ENGINEER RESPONSIBLE FOR THAT DESIGN. SUBMIT FIELD REVIEW REPORTS TO THE CONSULTANT.
4. PROVIDE REASONABLE NOTICE FOR FIELD REVIEWS AND INSPECTIONS OF COMPLETED WORK, PRIOR TO CONCEALING OR ATTACHING TO THE WORK.
5. FIELD REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR ACCURACY, QUALITY AND CONFORMANCE OF THE WORK WITH THE CONTRACT DOCUMENTS.

1. SUBMIT THE FOLLOWING ERECTION AND FABRICATION SHOP DRAWINGS TO THE CONSULTANT FOR REVIEW PRIOR TO FABRICATION:
 1. STEEL ERECTION AND CONNECTION DESIGN
 2. STEEL STAIR CONNECTION AND DESIGN
 3. ALL TESTING AND FIELD REPORTS PREFORMED BY OTHERS

16 (5/8")Ø THROUGH BOLTS @400 (16") O.C. MAX.

200 (8") BEARING

2x4 (8") BEARING

SPAN

REF. TO SCHEDULE FOR STEEL LINTEL

SOLID OR FULLY GROUTED CELL

EXISTING BLOCK WALL

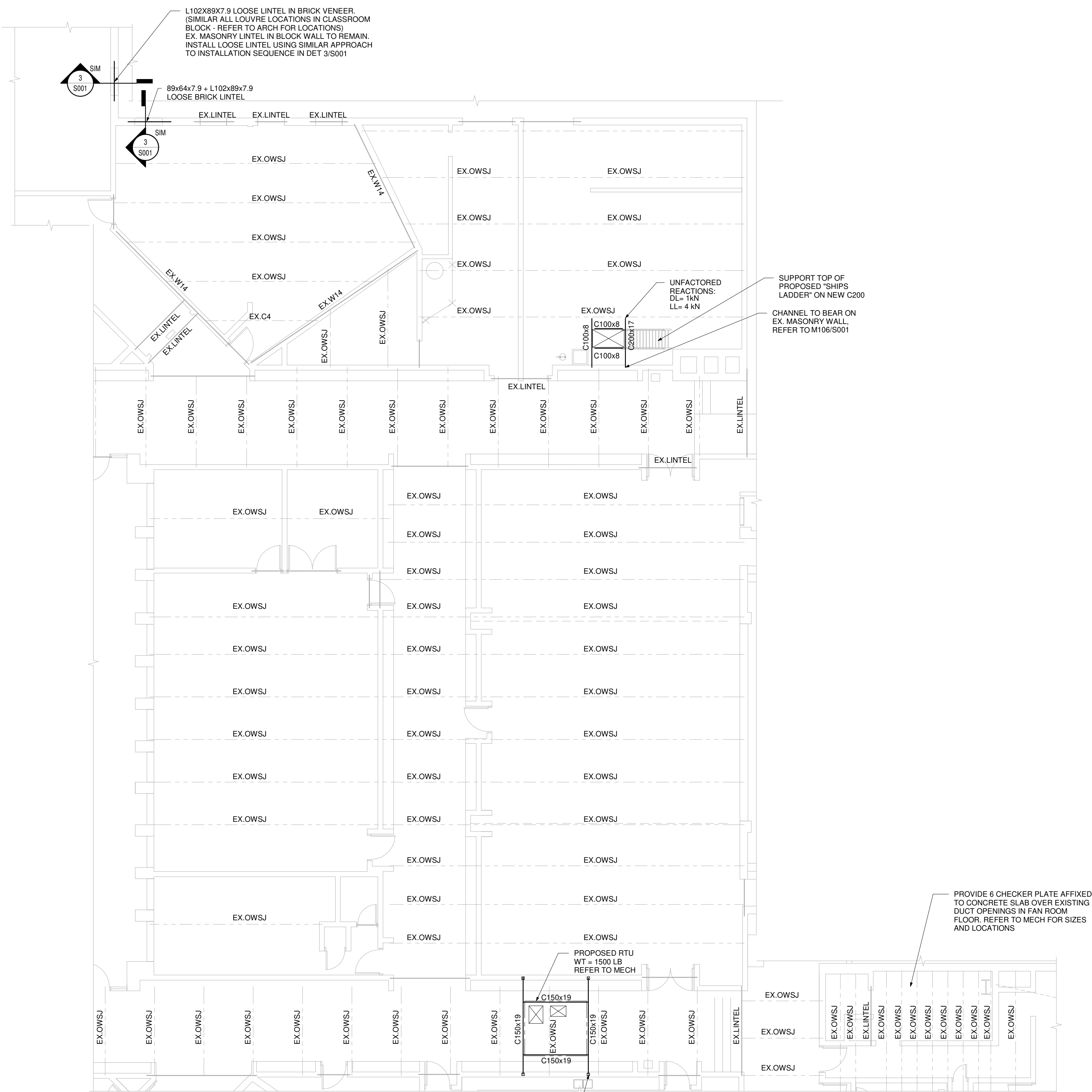
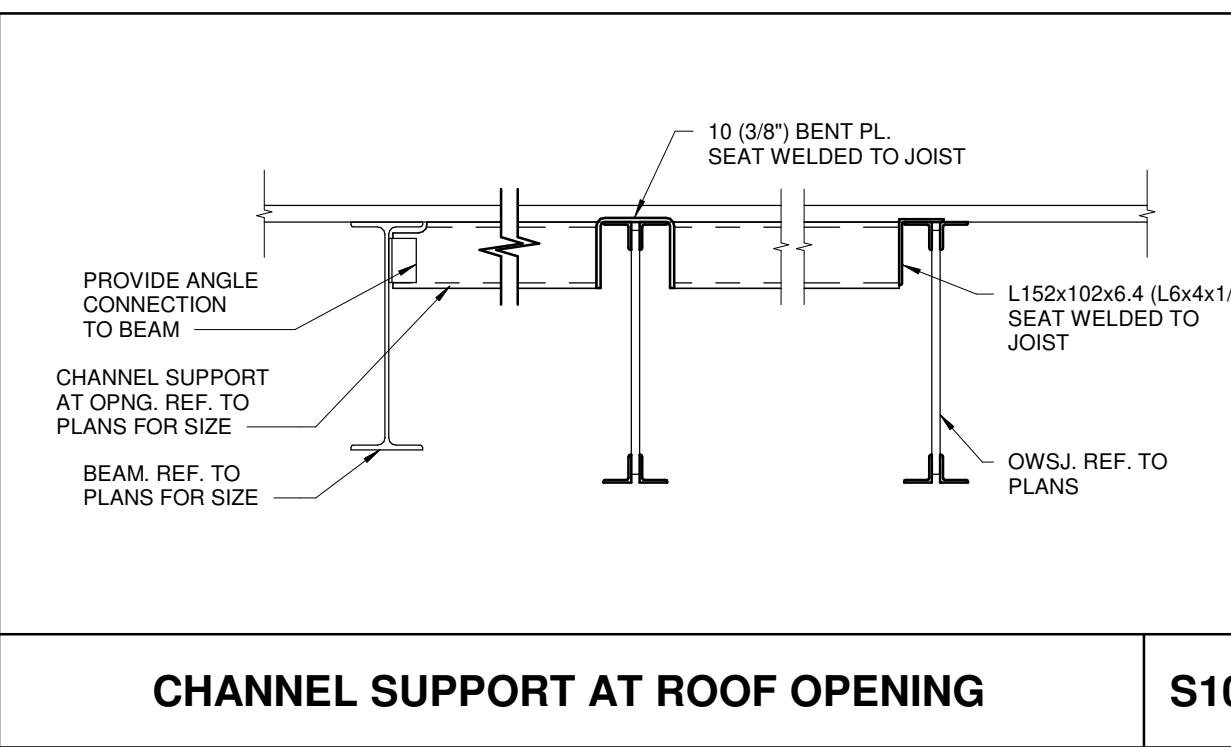
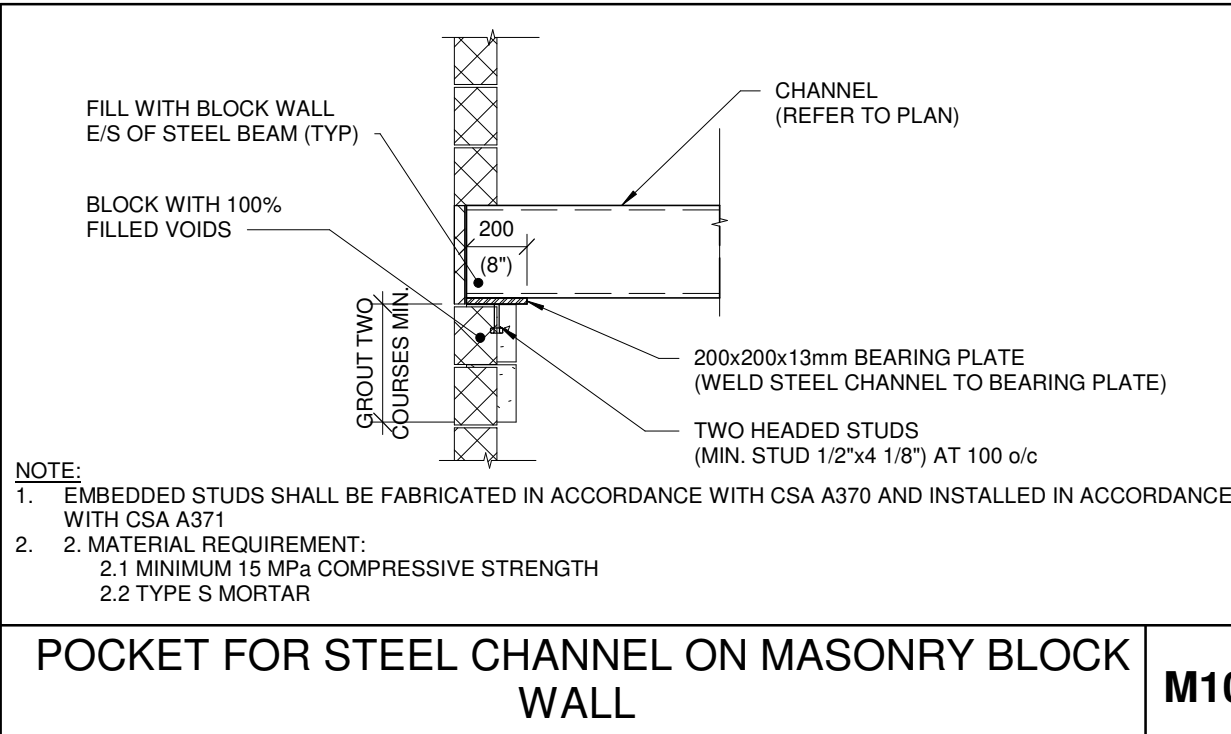
STEEL LINTEL (SEE TABLE)

NOTES:

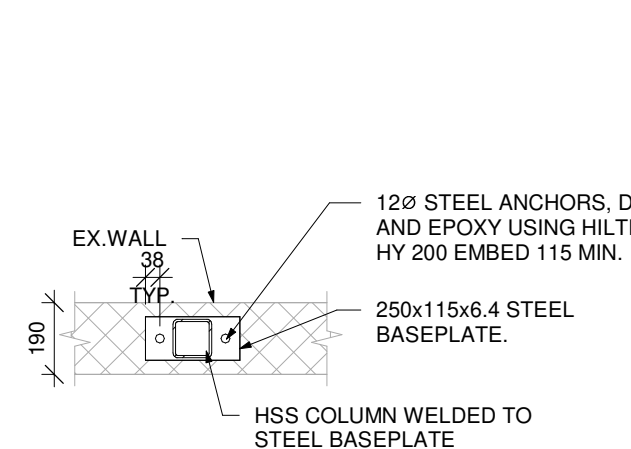
1. REFER TO SCHEDULE FOR STEEL LINTEL SIZE.
2. GROUT LINTEL BEARING PRIOR TO SAW CUTTING THE EXISTING WALL.
3. PROVIDE STEEL PACKING AS REQUIRED FOR UNIFORM BEARING OF STEEL LINTELS.
4. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS FOR OPENING LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR OPENING LOCATIONS.

STEEL LINTELS FOR EXISTING NON-LOAD BEARING MASONRY PARTITIONS

M1



Scale: 1 : 100



HSS 9

(S001) S

SUGGESTED LINTEL INSTALLATION SEQUENCE:

1. INSTALL TEMPORARY LOOSE LINTEL IN EXTERIOR BRICK FROM THE OUTSIDE FACE MIN. 2 BRICK COURSES ABOVE THE NEW OPENING LOCATION.
2. PARTIALLY REMOVE EXISTING BRICK AS REQUIRED BELOW THE TEMPORARY LINTEL TO EXPOSE THE EX. MASONRY BLOCK AND ALLOW FOR THE INSTALLATION OF THE NEW LINTEL.
3. COMPLETE INSTALLATION OF STEEL LINTEL IN EX. MASONRY WALL.
4. RE-INSTATE EXTERIOR BRICK AND INSTALL LOOSE LINTEL RIGHT ABOVE THE LOCATION OF NEW OPENING.
5. REMOVE TEMPORARY LINTEL IN INTERIOR MASONRY WALL.
6. COMPLETE NEW OPENING THROUGH WALL.



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

Item	Type	Nominal Capacity					ESP motor hp		Cooling			Heating			Electrical Data			Acceptable Manufacturer	Notes	
		tons	Outdoor Air cfm	Supply Air cfm	HP COP	HP COP	HP COP	in wc	Total Cap. MBH	Sens. Cap. MBH	Ent db/wb °F	LVG db/wb °F	High Gas Input MBH	HP Output @ 47°F MBH	HP Output @ 17°F MBH	Voltage	MCA			MOCP
HVAC-1	PACKAGED ROOFTOP HVAC UNIT	6.0	960	2400	3.5	2.3	1.3	1.5	68.6	54.2	75.0/ 63.0	53.4/ 52.4	150.0	66.0	35.5	208/3/60	34	50	LENNOX LD072H5E	HIGH RETURN, DOWN DISCHARGE & RETURN.

GENERAL HVAC UNIT NOTES:

1. ACCEPTABLE MANUFACTURERS: LENNOX, VALENT, DAIKIN
2. UNITS HAVE ELECTRIC AIR SOURCE HEAT PUMP HEATING, 2 STAGE NATURAL GAS BACKUP HEAT, 2 STAGE DX COOLING PLUS ECONOMIZER, DIRECT DRIVE FANS
3. PROVIDE STANDARD INSULATED 24" HIGH ROOF CURB MAX 85dB SOUND RATING, STAINLESS STEEL GAS HEAT EXCHANGER, FIELD INSTALLED DISCONNECT & GFI SUPPLIED BY ELEC DIVISION, CONDENSER COILS WASHABLE, STAINLESS STEEL CONDENSATE COLLECTION AND REMOVAL SYSTEM, ALL HOODS & INTAKE SCREENS, AND SETS MECHANICAL FILTERS, CONTRACTOR TO FIELD INSTALL STAINLESS STEEL OR GALVANIZED HINGED SERVICE PANELS SUITABLE FOR 2" PADLOCK LATCHES PROVIDED BY OWNER. BLOWER SECTION C/W INTEGRAL VIBRATION ISOLATION. DYNAMICALLY BALANCED FAN, DRIVES AND PREMIUM EFFICIENCY MOTORS. PROVIDE REFRIGERATION LEAK DETECTION SYSTEM.
4. CONTROLS: ELECTRICAL/MECHANICAL SYSTEM CONTROLS BY BAS CONTRACTOR, PROVIDE INTEGRAL CONTROLLER MATCHED TO BAS MANUFACTURER.
5. CONTRACTOR TO PROVIDE FULL 1 YEAR COVERAGE OF MANUFACTURER STANDARD WARRANTY.

Item	Room	Capacity cfm	Size
BPD-1.0	BYPASS DAMPER	—	AS NOTED
WVT-1.1	MULTI-PURPOSE ROOM	2400	800x300
WVT-1.2	TECH. ROOM	600	300x250

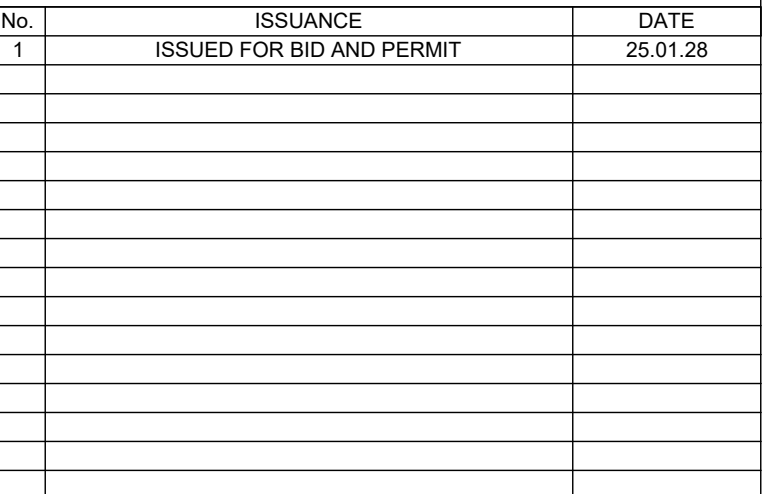
UNIT VENTILATOR SCHEDULE																					
Item	Type	Capacity		Min. O.A. Position (cfm)	SP in. wc	Size hp	Heating						Cooling			Electrical			Manufacturer	Model	Remarks
		tons	cfm				Medium	Coil Rows	EWI °F	LWT °F	Capacity MBH	GPM	Medium	Total Cap Mbh	Sens. Cap Mbh	Voltage	MCA	MOCp			
UV-1	VERTICAL UNIT VENTILATOR	2.5	1000	400	0.3	1/3	WATER	2	150	130	68.9	6.9	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	3-SPEED ECM MOTOR, FACE & BYPASS HEATING COIL, 3-WAY VALVE AT HEATING COIL, DX COIL WITH TXV BYPASS (TO SUIT HEAT PUMP OPERATION), 250MM INSULATED REAR CHASE, DIGITAL READY CONTROLS PACKAGE, REAR OA INTAKE DUCT COLLAR, 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 C/W ONE EXTRA SET, SECONDARY OVERFLOW DRAIN CONNECTION FOR CONDENSATE PAN, ADJUSTABLE 50mm BASE TO RAISE UNIT, 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 TO MAXIMIZE THE AIR OPENING.
UV-2	VERTICAL UNIT VENTILATOR	2.5	1000	400	0.3	1/3	WATER	2	150	130	68.9	6.9	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-3	VERTICAL UNIT VENTILATOR	2.5	1000	400	0.3	1/3	WATER	2	150	130	68.9	6.9	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-4	VERTICAL UNIT VENTILATOR	2.5	1000	400	0.3	1/3	WATER	2	150	130	68.9	6.9	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-5	VERTICAL UNIT VENTILATOR	2.5	1000	400	0.3	1/3	WATER	2	150	130	68.9	6.9	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-6	VERTICAL UNIT VENTILATOR	2.5	1000	400	0.3	1/3	WATER	2	150	130	68.9	6.9	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-7	VERTICAL UNIT VENTILATOR	2.5	1000	400	0.3	1/3	WATER	2	150	130	68.9	6.9	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-8	VERTICAL UNIT VENTILATOR	2.5	1000	400	0.3	1/3	WATER	2	150	130	68.9	6.9	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-9	VERTICAL UNIT VENTILATOR	2.5	1000	400	0.3	1/3	WATER	2	150	130	68.9	6.9	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
UV-10	VERTICAL UNIT VENTILATOR	2.5	1000	400	0.3	1/3	WATER	2	150	130	68.9	6.9	DX	33.2	24.9	120/1/60	6.3	15	DAIKIN	UAVS9-H10	
* 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.																					

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

* ACCEPTABLE MANUFACTURERS: DAIKIN, TRANE, MITSUBISHI

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.



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.

Any specifications, etc., prescribed 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.

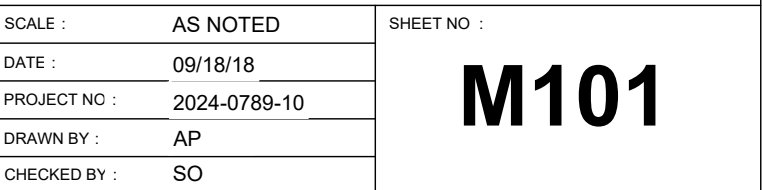
© 2025 DEI Consulting Engineers Inc.



51 ARDELT AVE, KITCHENER, ON

TITEL

800.685.1378 walterfedy.com



Item	Type	Connection Sizes						Fixture		Trim		Accessories	
		HW	OW	TW	Drain	Vent	Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Acceptable Manufacturer	Accessory Description	
S-1	STAINLESS STEEL SCIENCE SINK (TEACHER) (DEPTH OF SINK COMPARTMENT TO MATCH EXISTING)	15	15		40	32	KINDRED LBS6807/316-1/3 NOVANNI 1017/316	SINK: SINGLE COMPARTMENT, LEDGE-BACK. FROM 1.0 mm (20 GAUGE) THICK TYPE 316 POLISHED STAINLESS STEEL, SELF-RIMMING, UNDERCOATED, CLAMPS. OVERALL SIZES: 510 mm X 520 mm X 175 mm (20" X 20 1/2" X 7").	DELTA W6720 ZURN Z825B1-6F MOEN COMMERCIAL 8113	FAUCET: CHROME PLATED BRASS, LABORATORY TYPE WITH GOOSENECK SWING SPOUT WITH SERRATED NOZZLE, VACUUM BREAKER, AERATOR, INDEXED HOODED LEVER HANDLES, ACCESSORIES TO LIMIT MAXIMUM FLOW RATE TO 8.35 l/min (2.2 gpm) AT 413 kPa (60 psi).			
EW-1	COUNTER MOUNTED EYE WASH	15	15		32	32	BRADLEY S19-270E HAWS GUARDIAN	DECK MOUNTED PULL-DOWN CHROME PLATED BRASS, SPRAY HEADS WITH SWING OUT ACTION. PLASTIC EYE/FACE WASH HEADS IN SAFETY GREEN WITH INTEGRAL FLIP TOP DUST COVERS. MIXING VALVE IS TO PROVIDE WATER TEMPERATURE BETWEEN 15.5°C (60°) AND 38°C (100°F), UNIVERSAL EMERGENCY SIGN.			HAWS TWBS.EW BRADLEY S19-2000 GUARDIAN G3600	TEMPERING VALVE TO BLEND HOT AND COLD WATER TO DELIVER TEPID WATER, AS REQUIRED BY ANSI Z358.1	

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.

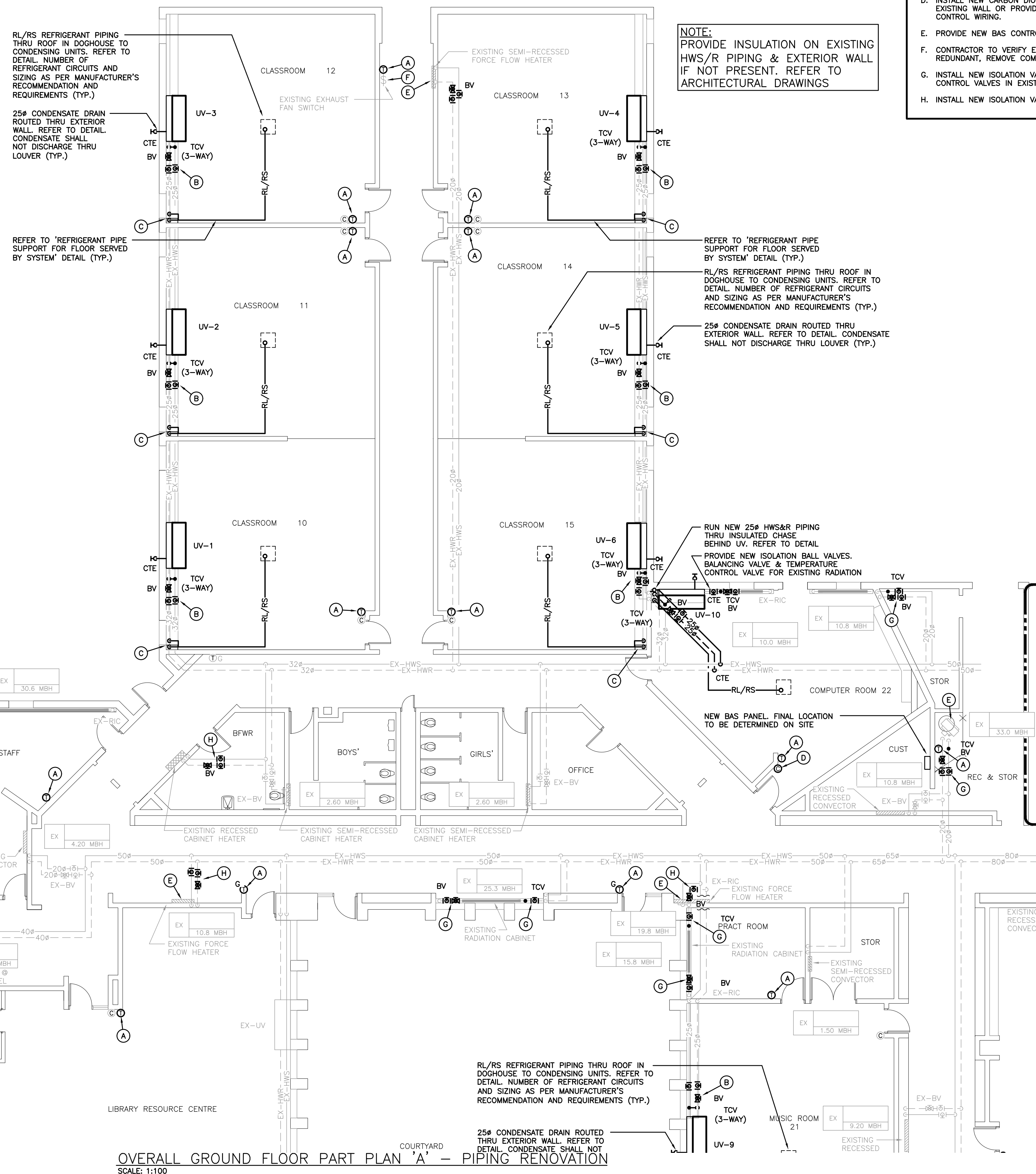
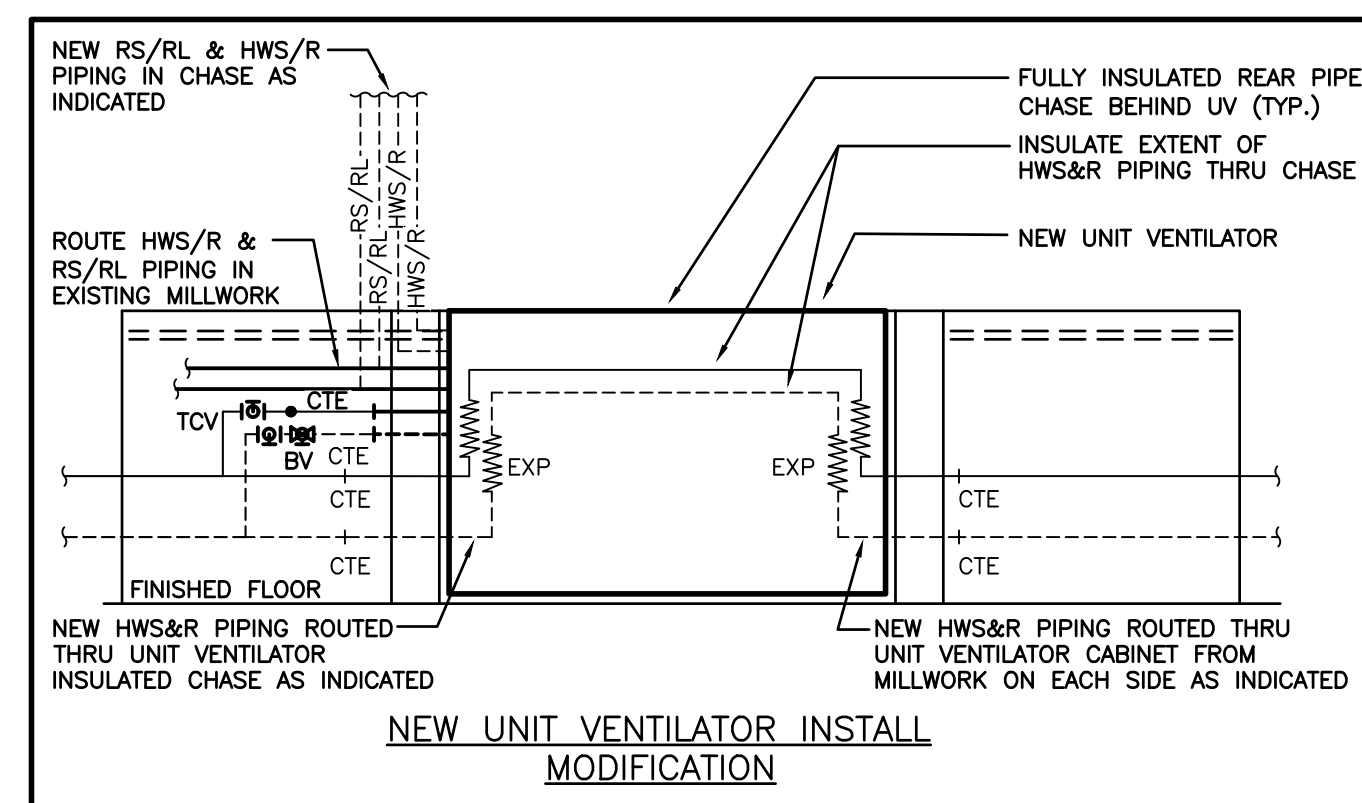
Do not scale this drawing.

© 2025 DEI Consulting Engineers Inc.

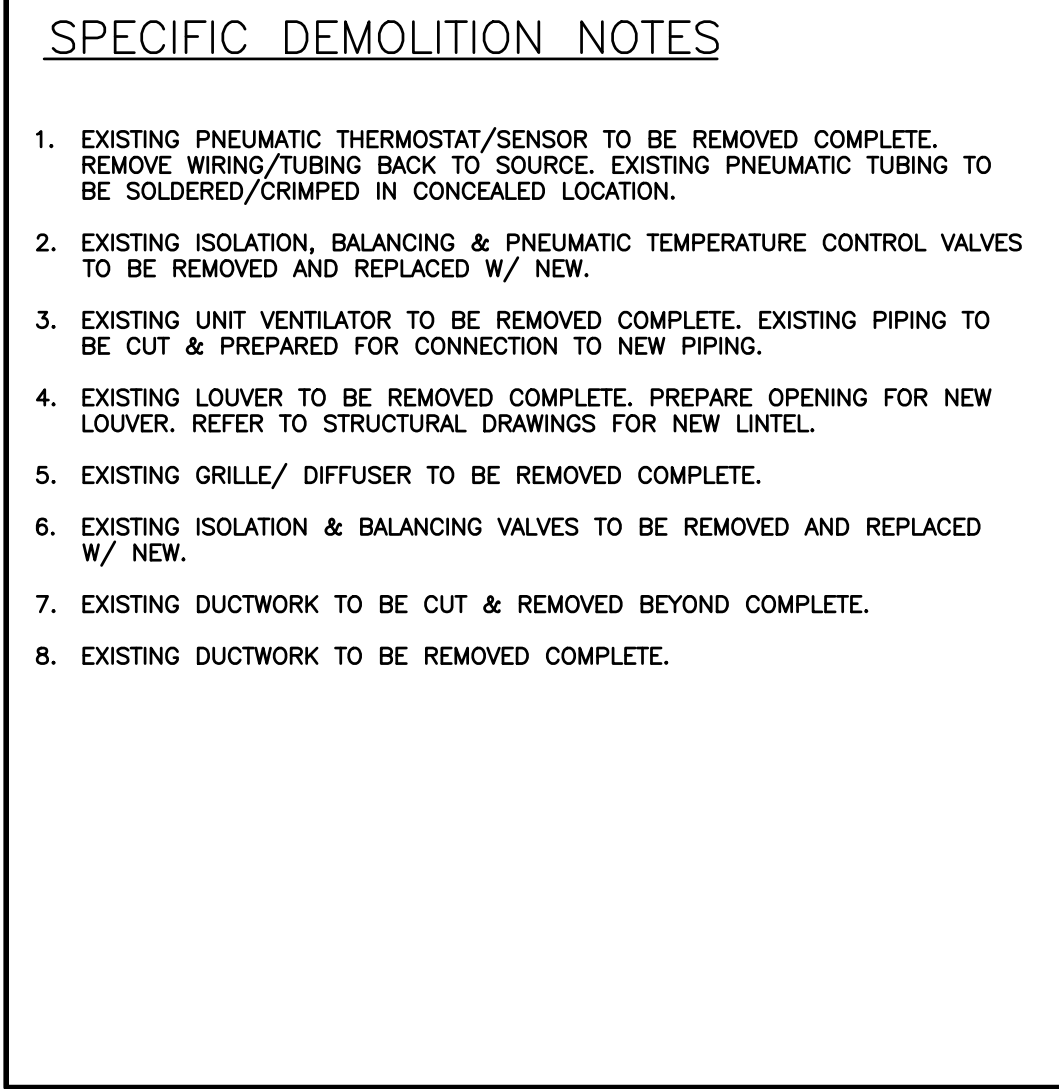
CLIENT	<p>WATERLOO REGION DISTRICT SCHOOL BOARD</p> <p>51 ARDELT AVE, KITCHENER, ON</p>
PROJECT	<p>LAURENTIAN SENIOR PUBLIC SCHOOL</p> <p>77 WESTMOUNT ROAD EAST, KITCHENER, ON</p>
TITLE	<p>SCHEDULES</p>

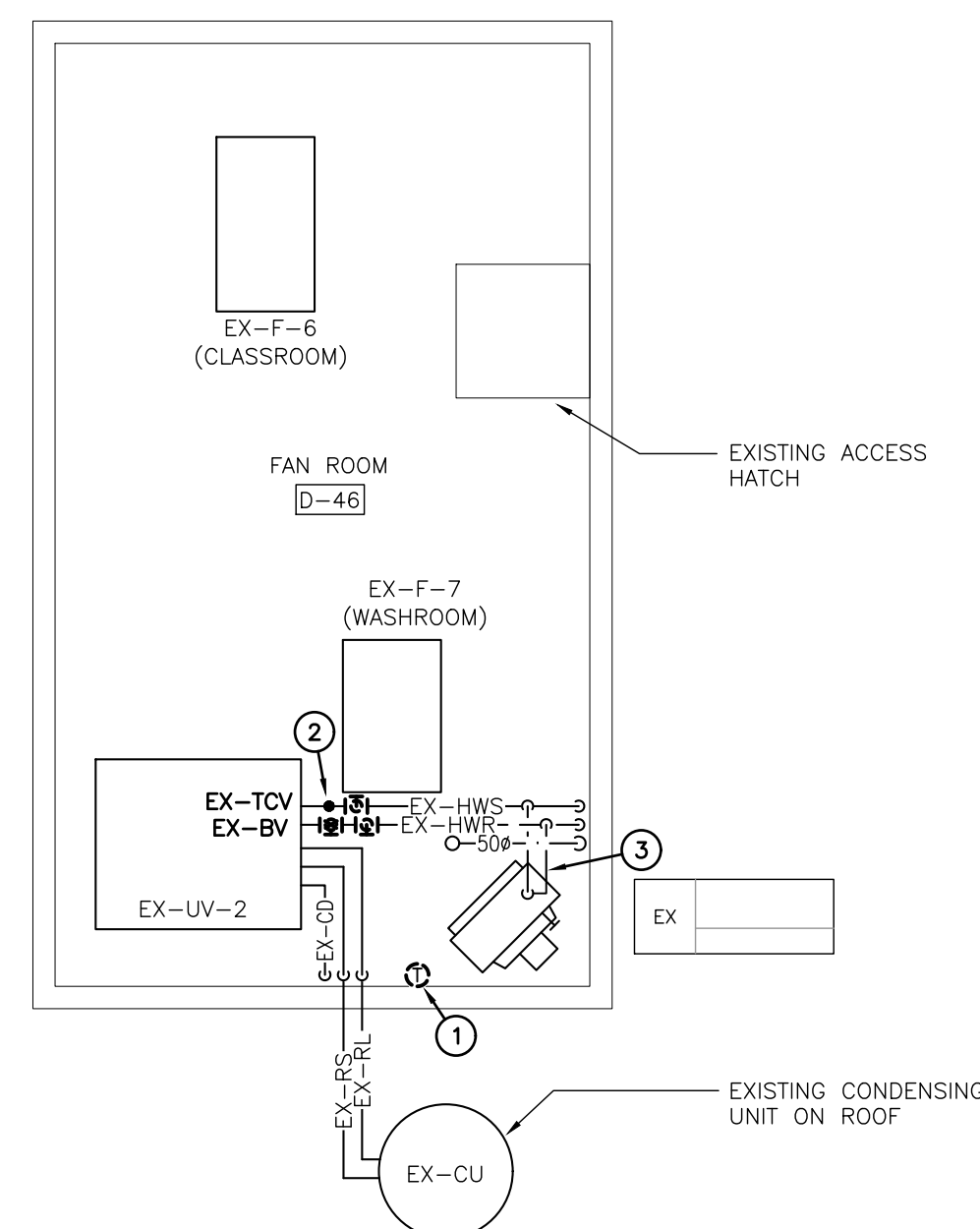
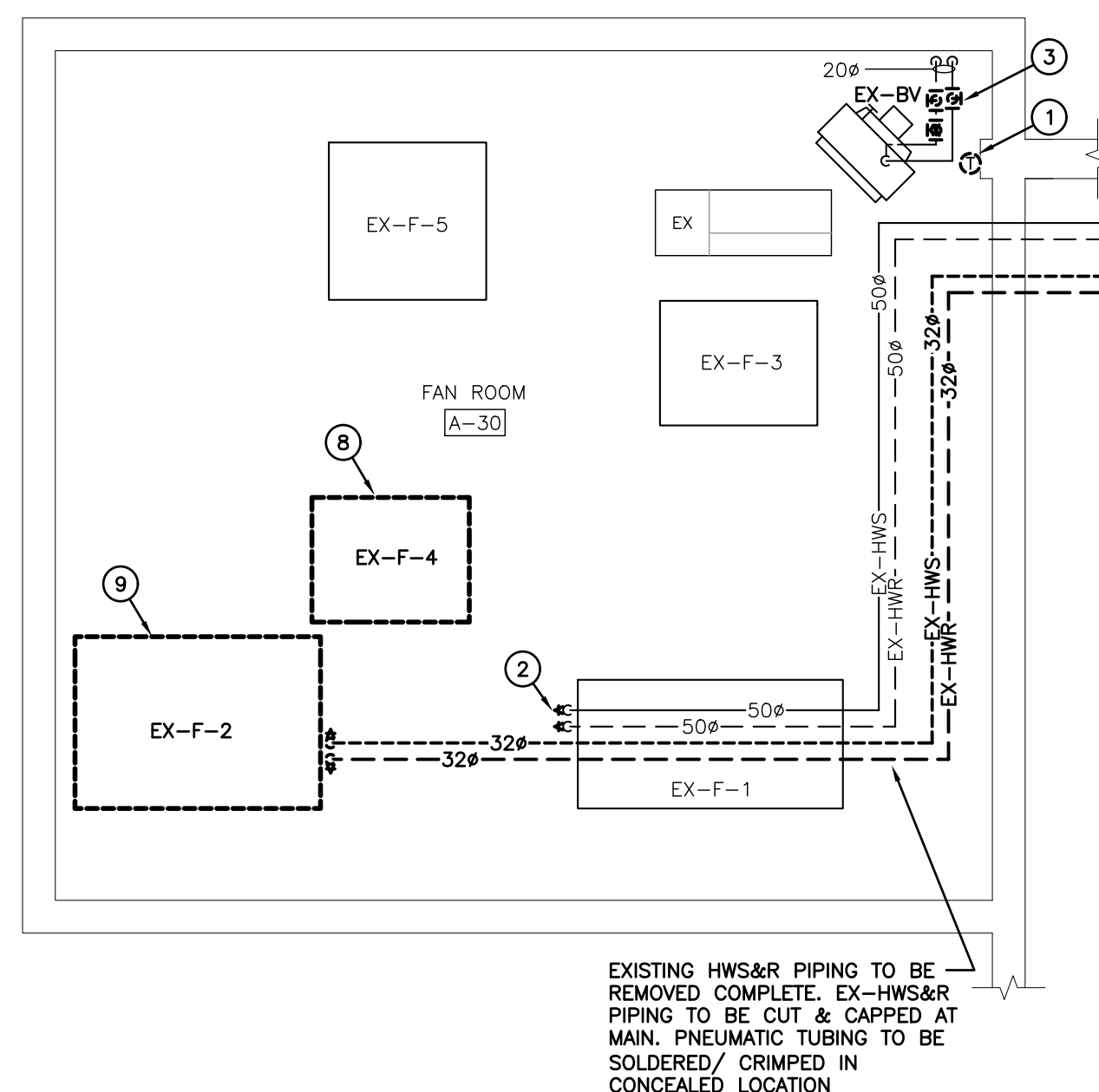
A circular professional engineer seal for the Province of Ontario. The outer ring contains the text "LICENSED PROFESSIONAL ENGINEER" at the top and "PROVINCE OF ONTARIO" at the bottom. The center of the seal features a stylized "P" and "E" logo. Overlaid on the seal is a white rectangular box containing the following information: the date "23 Jan 25", the name "M.B. WHITE", the license number "100119071", and a handwritten signature.

M102



SCALE :	AS NOTED	SHEET NO : M204
DATE :	09/18/18	
PROJECT NO :	2024-0789-10	
DRAWN BY :	AP	
CHECKED BY :	SO	



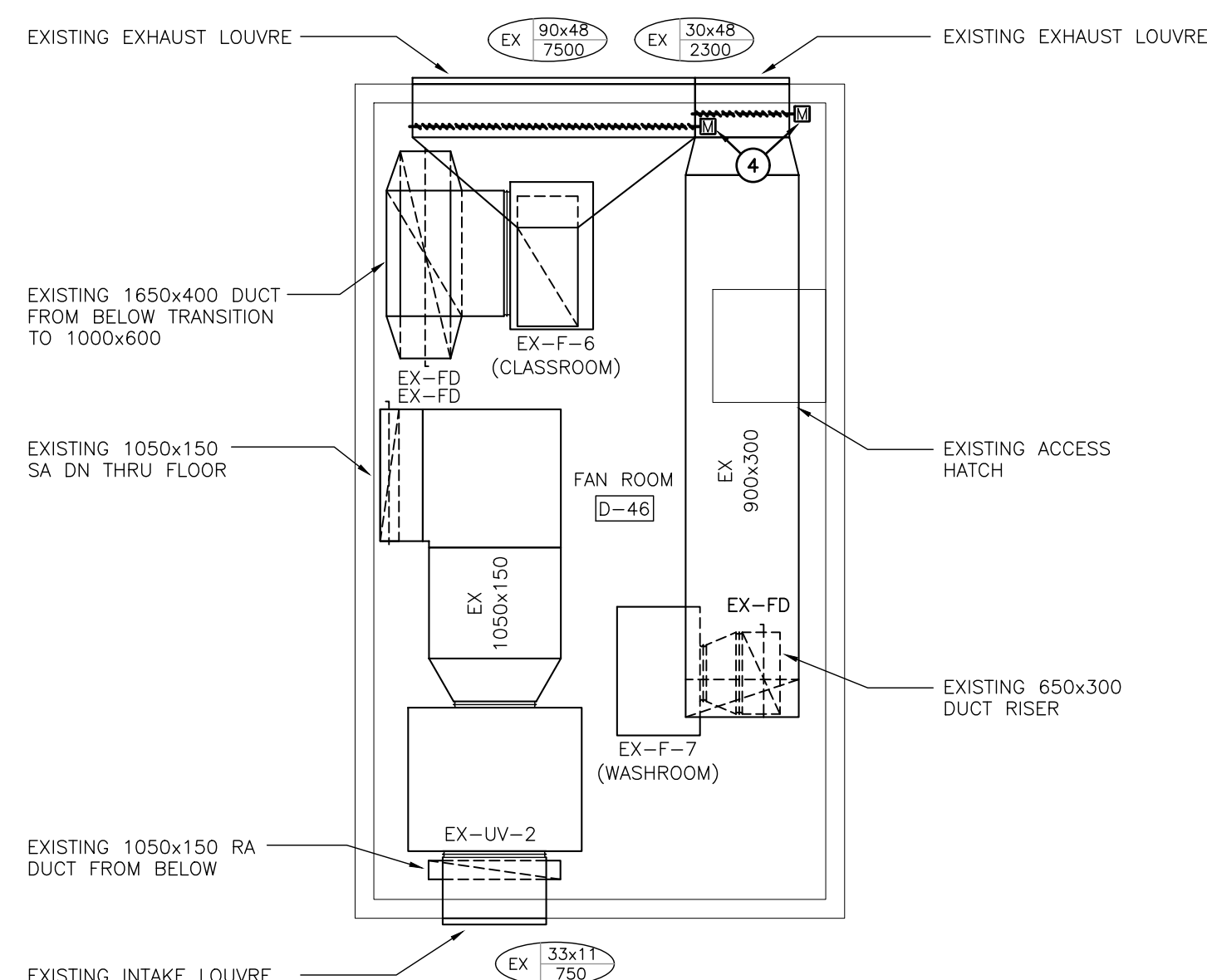
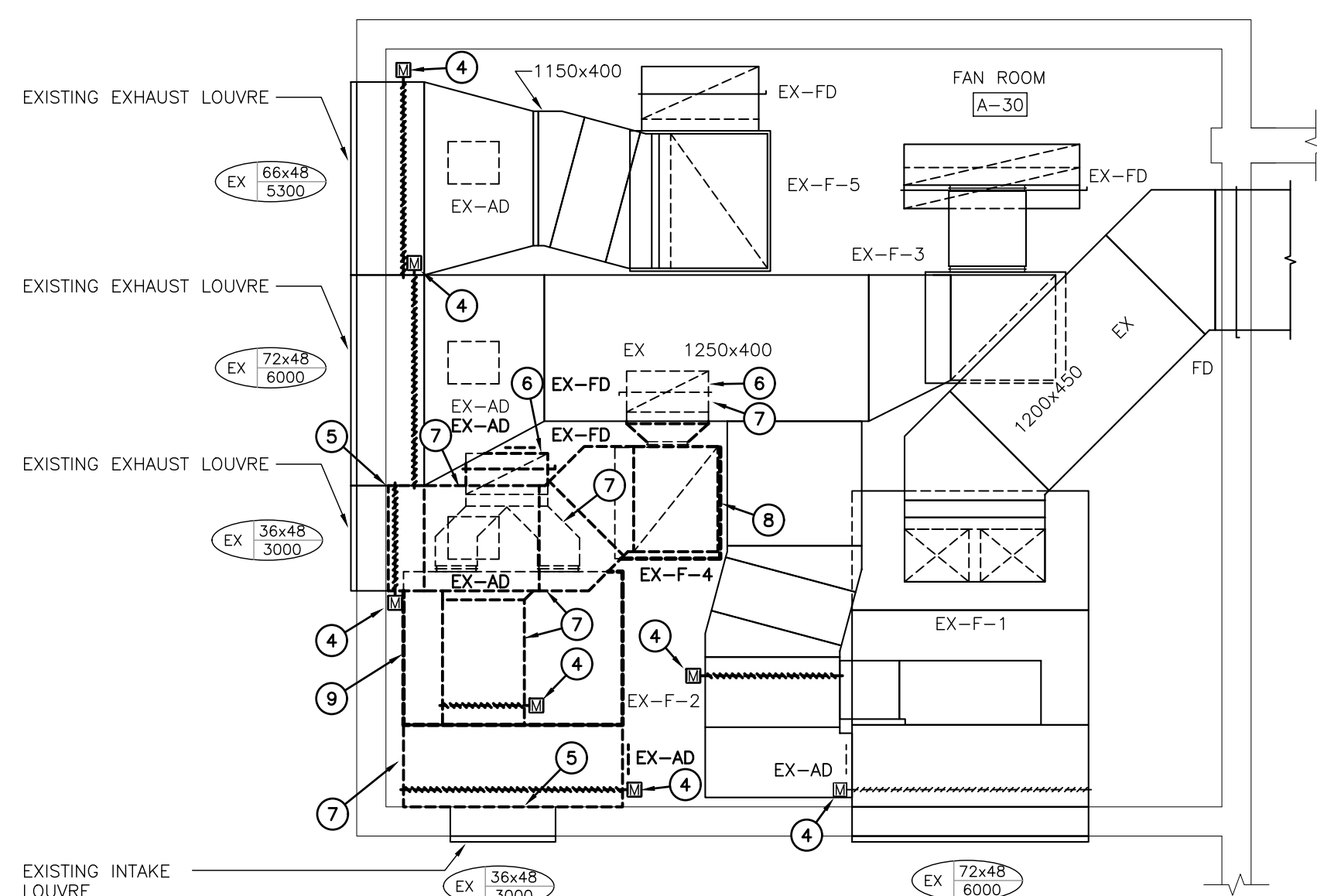


GENERAL DEMOLITION NOTES

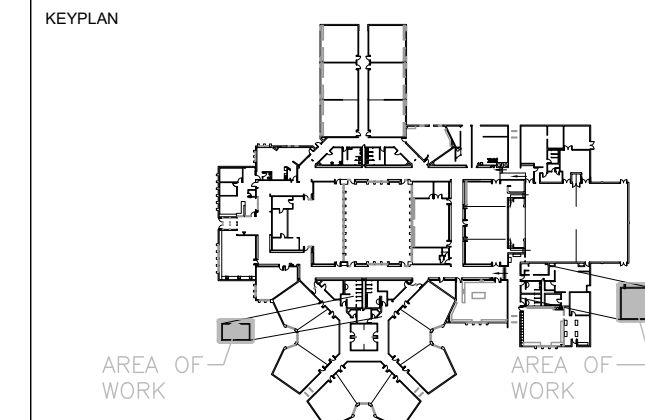
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL DIMENSIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE REPAIRED 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.
- BAS CONTRACTOR TO VERIFY EQUIPMENT SERVICE PRIOR TO REPLACEMENT OF PNEUMATIC CONTROLS. ALL REDUNDANT PNEUMATIC CONTROLS & TUBING TO BE REMOVED COMPLETE BACK TO SOURCE.
- CONTRACTOR TO CARRY IN THEIR PRICING TO DRAIN SYSTEM OR FREEZE PIPING TO COMPLETE WORK

SPECIFIC DEMOLITION NOTES

1. EXISTING PNEUMATIC THERMOSTAT/SENSOR TO BE REMOVED COMPLETE. REMOVE WIRING/TUBING BACK TO SOURCE. EXISTING PNEUMATIC TUBING TO B SOLDERED/CRIMPED IN CONCEALED LOCATION.
2. EXISTING ISOLATION, BALANCING & PNEUMATIC TEMPERATURE CONTROL VALVES TO BE REMOVED AND REPLACED W/ NEW.
3. EXISTING ISOLATION & BALANCING VALVES TO BE REMOVED AND REPLACED W/ NEW.
4. EXISTING PNEUMATIC DAMPER ACTUATORS TO BE REMOVED COMPLETE. REMOVE WIRING/ TUBING BACK TO SOURCE.
5. EXISTING PLENUM TO BE CUT & REMOVED BEYOND COMPLETE. INSULATE & CAP LOUVER PLENUM. REFER TO DETAIL.
6. EXISTING DUCT THRU FLOOR TO BE REMOVED COMPLETE. EXISTING OPENING TO BE INFILLED BY GENERAL CONTRACTOR.
7. EXISTING DUCTWORK TO BE REMOVED COMPLETE.
8. EXISTING EXHAUST FAN & ALL ASSOCIATED APPURTENANCES TO BE REMOVED COMPLETE.
9. EXISTING SUPPLY FAN & ALL ASSOCIATED APPURTENANCES TO BE REMOVED COMPLETE.



KEYPLAN



TRUE NORTH



PROJECT NORTH

[illegible]

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 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.

© 2025 DEL Consultation Engineers Inc.



CLIENT

WATERLOO REGION DISTRICT
SCHOOL BOARD

51 ARDELT AVE, KITCHENER, ON

PROJECT

LAURENTIAN SENIOR PUBLIC
SCHOOL

77 WESTMOUNT ROAD EAST, KITCHENER, ON

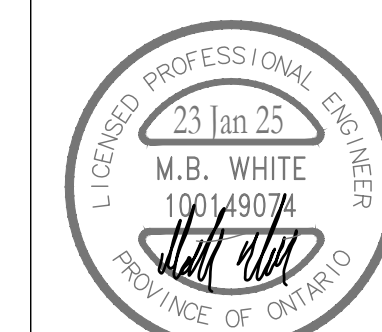
TITLE

FAN ROOM PART PLANS - HEATING & DUCTWORK DEMOLITION

WALTERFEDY

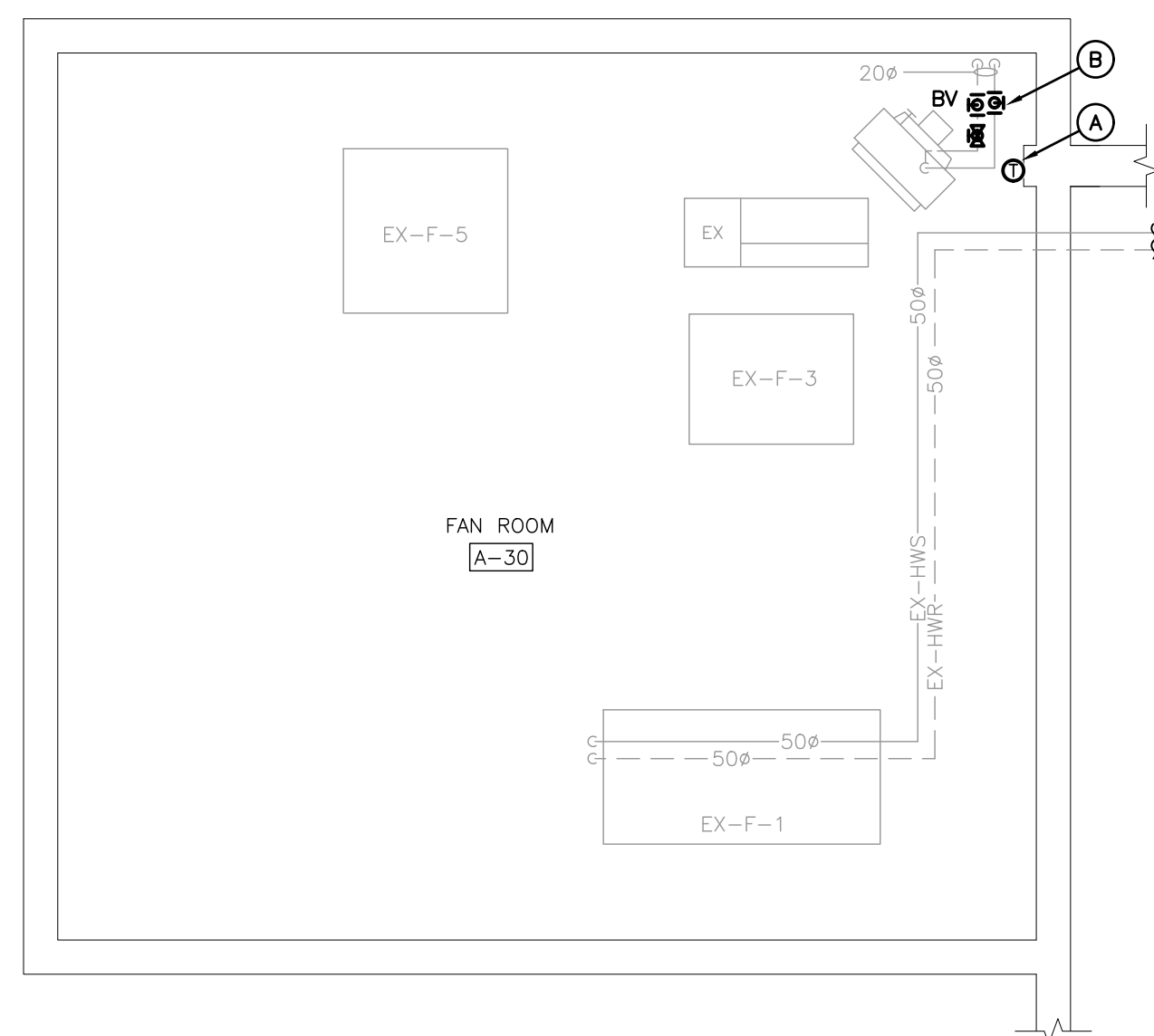
TORONTO | **CALGARY** | EDMONTON | KITCHENER | HAMILTON

800.685.1378 walterfedv.com

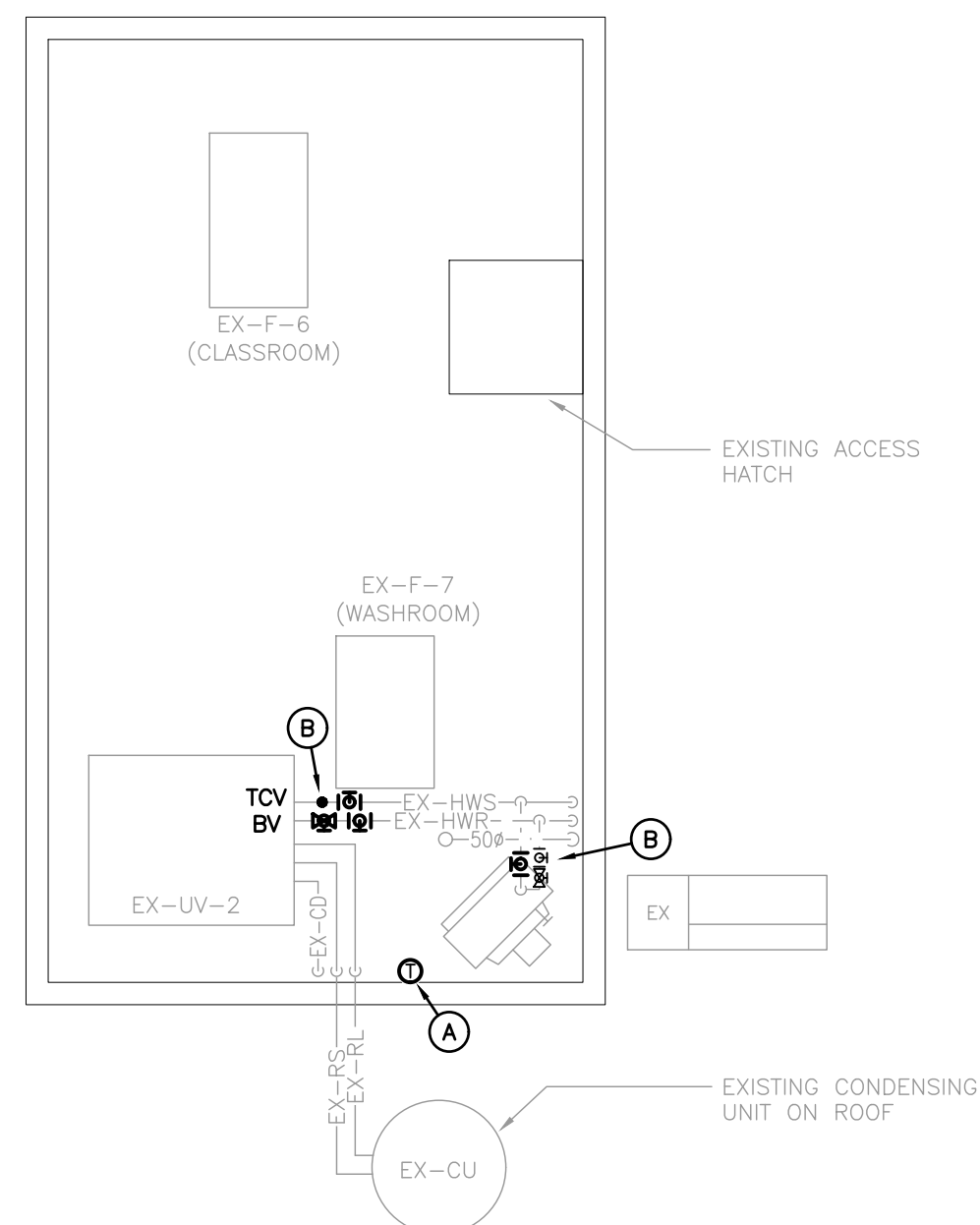


SCALE :	AS NOTED	SHEET NO : M401
DATE :	09/18/18	
PROJECT NO :	2024-0789-10	
DRAWN BY :	AP	
CHECKED BY :	SO	

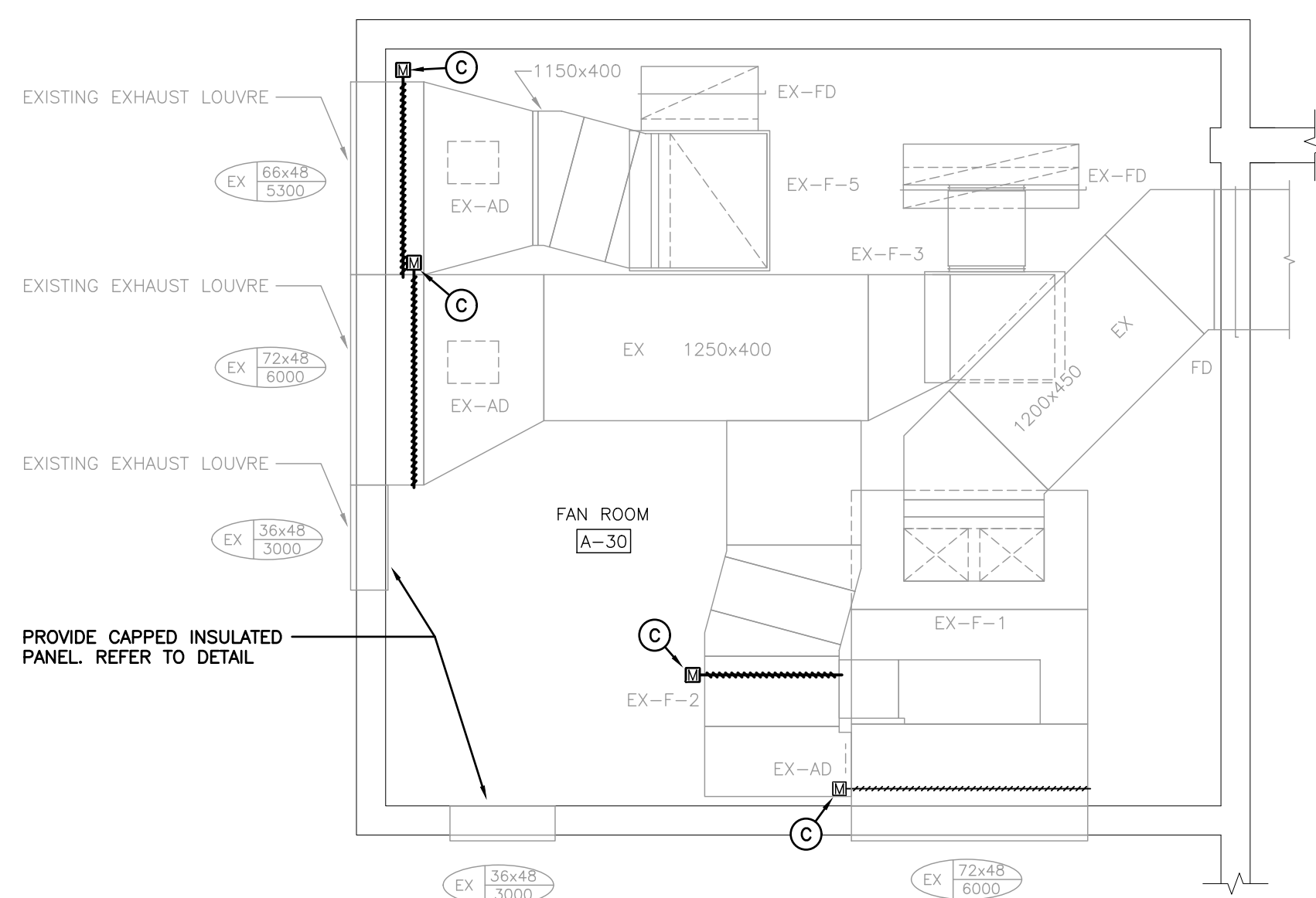
M401



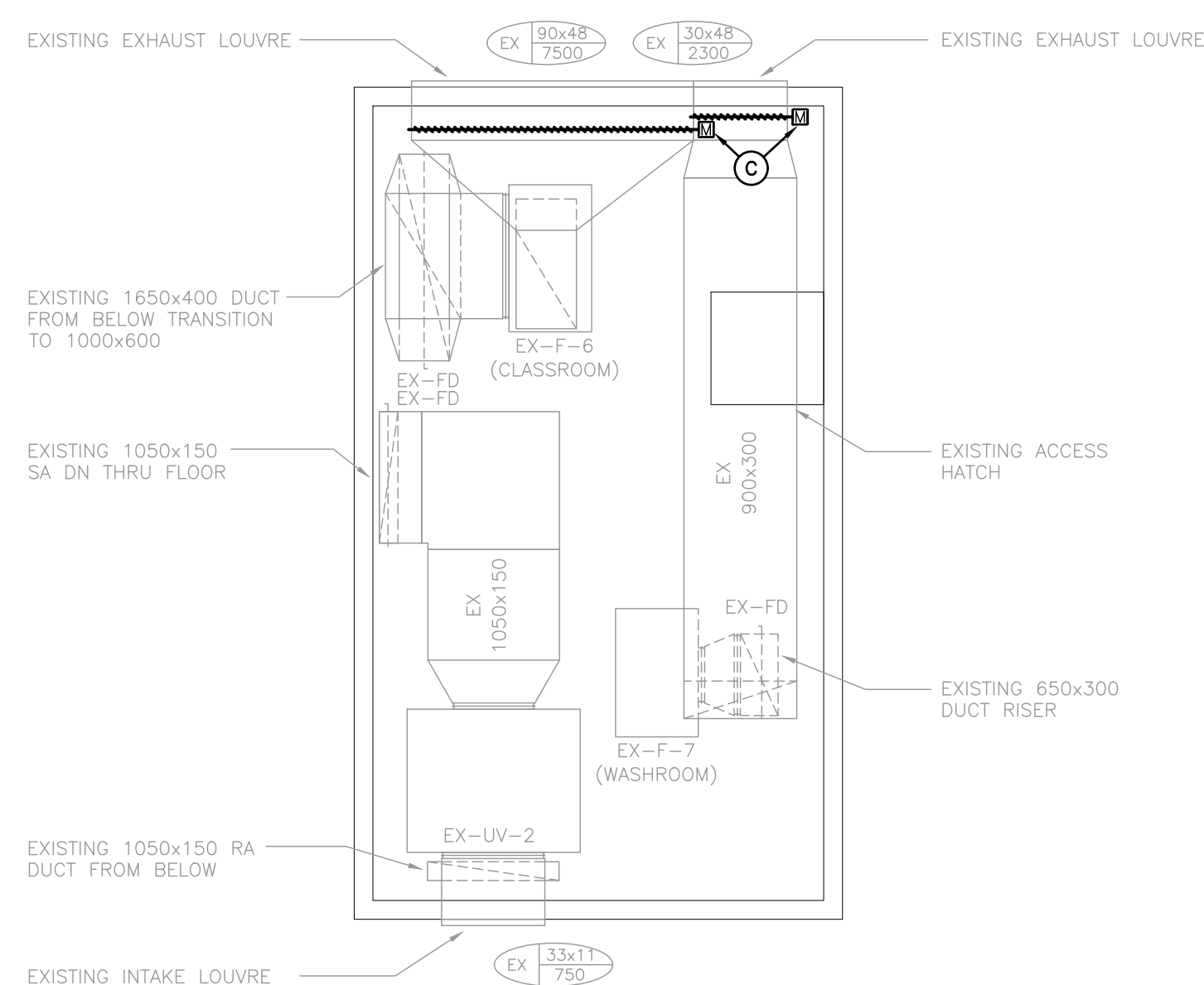
FAN ROOM D-46 PART PLAN – HEATING RENOVATION
SCALE: 1:50



FAN ROOM A-30 PART PLAN – HEATING RENOVATION
SCALE: 1:50



FAN ROOM D-46 PART PLAN - DUCTWORK RENOVATION
SCALE: 1:50



FAN ROOM A-30 PART PLAN – DUCTWORK RENOVATION
SCALE: 1:50

GENERAL RENOVATION NOTES

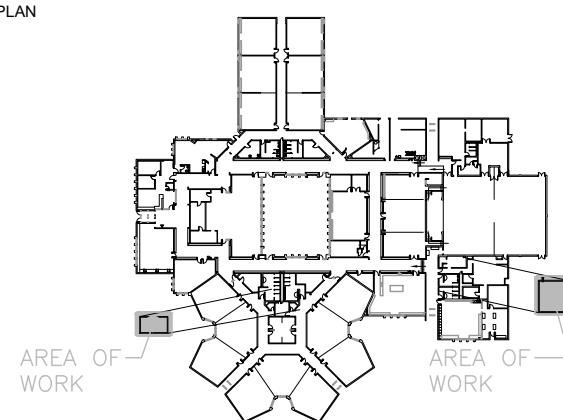
- CONTRACTOR TO CARRY IN THEIR PRICING TO DRAIN SYSTEM OR FREEZE PIPING TO COMPLETE WORK

SPECIFIC RENOVATION NOTES

- A. INSTALL NEW DDC THERMOSTAT/ SENSOR & CONTROL WIRING. FISH EXISTING WALL AS REQUIRED FOR NE CONTROL WIRING.
- B. INSTALL NEW ISOLATION VALVES, BALANCING VALVES & TEMPERATURE CONTROL VALVES IN EXISTING PIPING.
- C. PROVIDE NEW MOTORIZED DAMPER ACTUATOR & CONTROL.



KEYPLAN

[illegible]

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.

© 2025 DEI Consulting Engineers Inc.



CLIENT

WATERLOO REGION DISTRICT
SCHOOL BOARD

51 ARDELT AVE, KITCHENER, ON

PROJECT

LAURENTIAN SENIOR PUBLIC
SCHOOL

77 WESTMOUNT ROAD EAST, KITCHENER, ON

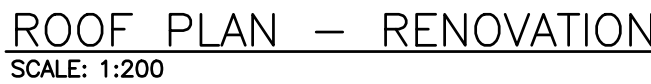
TITLE

FAN ROOM PART PLANS -
HEATING & DUCTWORK
RENOVATION

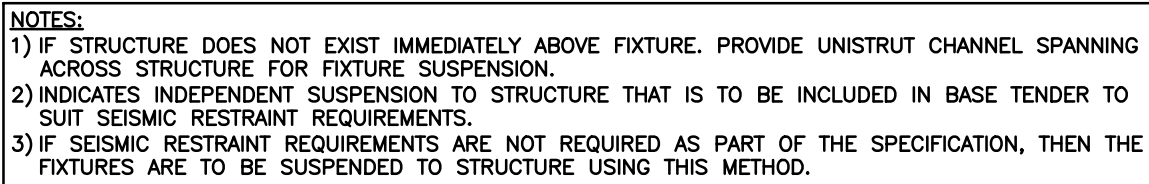
WALTERFEDY
TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON
800.685.1378 walterfedy.com



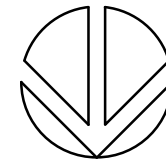
SCALE :	AS NOTED	SHEET NO : M402
DATE :	09/18/18	
PROJECT NO :	2024-0789-10	
DRAWN BY :	AP	
CHECKED BY :	SO	



100

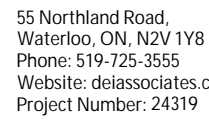


NOTE: ALL SYMBOLS MAY NOT BE USED



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. Dimensions and specifications are 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.

© 2025 DEI Consulting Engineers Inc.

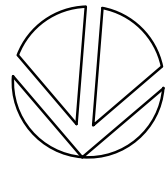


SCALE :	AS NOTED	SHEET NO : <div style="font-size: 48pt; font-weight: bold; text-align: center;">E101</div>
DATE :	09/18/18	
PROJECT NO :	2024-0789-10	
DRAWN BY :	SB	
CHECKED BY :	RV	

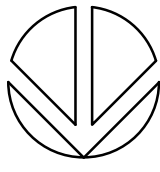
E101



CLIENT LOGO



TRUE NORTH



PROJECT NORTH

[illegible]

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 same to meet the required conditions.

Drawings and specifications are 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.

© 2025 DEI Consulting Engineers Inc.



CLIENT

WATERLOO REGION DISTRICT
SCHOOL BOARD

51 ARDELT AVE, KITCHENER, ON

PROJECT

LAURENTIAN SENIOR PUBLIC
SCHOOL

77 WESTMOUNT ROAD EAST, KITCHENER, ON

TITLE

DETAILS

WALTERFEDY

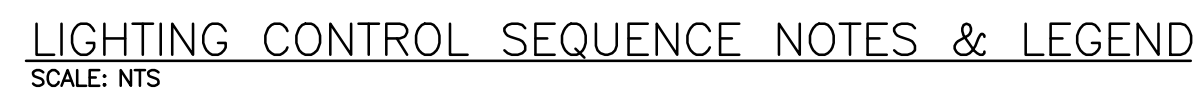
TORONTO | **CALGARY** | EDMONTON | KITCHENER | HAMILTON

800.685.1378 walterfedy.com

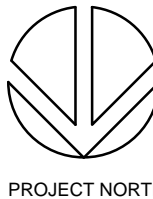


SCALE :	AS NOTED
DATE :	09/18/18
PROJECT NO :	2024-0789-10
DRAWN BY :	SB
CHECKED BY :	RV

E102

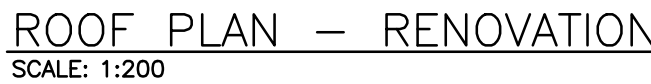


Description			Electrical Data				Starter				Ctrl Device				Isolating Device				Remote Items										Other		Interlock		Remarks
Mechanical Item	Description	Provided By	Voltage	Size hp/kw/amps	Phase	MOCB	Magnetic	Manual	Combination Contactor	VFD	ECM	Hand/Off/Auto On/Off Selector	High/Low/Off Pilot Light	Disconnect	WP Disconnect Breaker/Fuse Starter/Device	Wired by	RA Thermostat	Programmable Time Clock	Variable Speed Control	Current Sensor	Occ Sensor	Dual Voltage Relay	Interval Timer	VRF System Control Panel	Smoke Control System Panel	Control Panel	Wired by Bldg Auto System	Wired By	Miscellaneous 1	Miscellaneous 2	Interlock to	Interlock by	
UV-1	UNIT VENTILATOR	M	120	6.3 A	1	15								E	F	F	M										M	M	M		CU-1	M	INTERLOCK TO MOTORIZED DAMPER IN RELIEF DUCT
UV-2	UNIT VENTILATOR	M	120	6.3 A	1	15								E	F	F	M										M	M	M		CU-2	M	INTERLOCK TO MOTORIZED DAMPER IN RELIEF DUCT
UV-3	UNIT VENTILATOR	M	120	6.3 A	1	15								E	F	F	M										M	M	M		CU-3	M	INTERLOCK TO MOTORIZED DAMPER IN RELIEF DUCT
UV-4	UNIT VENTILATOR	M	120	6.3 A	1	15								E	F	F	M										M	M	M		CU-4	M	INTERLOCK TO MOTORIZED DAMPER IN RELIEF DUCT
UV-5	UNIT VENTILATOR	M	120	6.3 A	1	15								E	F	F	M										M	M	M		CU-5	M	INTERLOCK TO MOTORIZED DAMPER IN RELIEF DUCT
UV-6	UNIT VENTILATOR	M	120	6.3 A	1	15								E	F	F	M										M	M	M		CU-6	M	INTERLOCK TO MOTORIZED DAMPER IN RELIEF DUCT
UV-7	UNIT VENTILATOR	M	120	6.3 A	1	15								E	F	F	M										M	M	M		CU-7	M	INTERLOCK TO MOTORIZED DAMPER IN RELIEF DUCT
UV-8	UNIT VENTILATOR	M	120	6.3 A	1	15								E	F	F	M										M	M	M		CU-8	M	INTERLOCK TO MOTORIZED DAMPER IN RELIEF DUCT
UV-9	UNIT VENTILATOR	M	120	6.3 A	1	15								E	F	F	M										M	M	M		CU-9	M	INTERLOCK TO MOTORIZED DAMPER IN RELIEF DUCT
UV-10	UNIT VENTILATOR	M	120	6.3 A	1	15								E	F	F	M										M	M	M		CU-10	M	INTERLOCK TO MOTORIZED DAMPER IN RELIEF DUCT
CU-1	CONDENSING UNIT	M	208	21.5 A	1	35									E	F	E										M	M	M		UV-1	M	
CU-2	CONDENSING UNIT	M	208	21.5 A	1	35									E	F	E										M	M	M		UV-2	M	
CU-3	CONDENSING UNIT	M	208	21.5 A	1	35									E	F	E										M	M	M		UV-3	M	
CU-4	CONDENSING UNIT	M	208	21.5 A	1	35									E	F	E										M	M	M		UV-4	M	
CU-5	CONDENSING UNIT	M	208	21.5 A	1	35									E	F	E										M	M	M		UV-5	M	
CU-6	CONDENSING UNIT	M	208	21.5 A	1	35									E	F	E										M	M	M		UV-6	M	
CU-7	CONDENSING UNIT	M	208	21.5 A	1	35									E	F	E										M	M	M		UV-7	M	
CU-8	CONDENSING UNIT	M	208	21.5 A	1	35									E	F	E										M	M	M		UV-8	M	
CU-9	CONDENSING UNIT	M	208	21.5 A	1	35									E	F	E										M	M	M		UV-9	M	
CU-10	CONDENSING UNIT	M	208	21.5 A	1	35									E	F	E										M	M	M		UV-10	M	
HVAC-1	PACKAGED ROOFTOP HVAC	M	208	34 A	3	50									E	F	E	M									M	M	M				
BAS	BAS PANEL	M	120	FHP	1											E	E																PROVIDE DATA DROP(S)



DEI 55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiasociates.ca
Project Number: 24319

SCALE :	AS NOTED	SHEET NO : E103
DATE :	09/18/18	
PROJECT NO :	2024-0789-10	
DRAWN BY :	SB	
CHECKED BY :	RV	



E601

