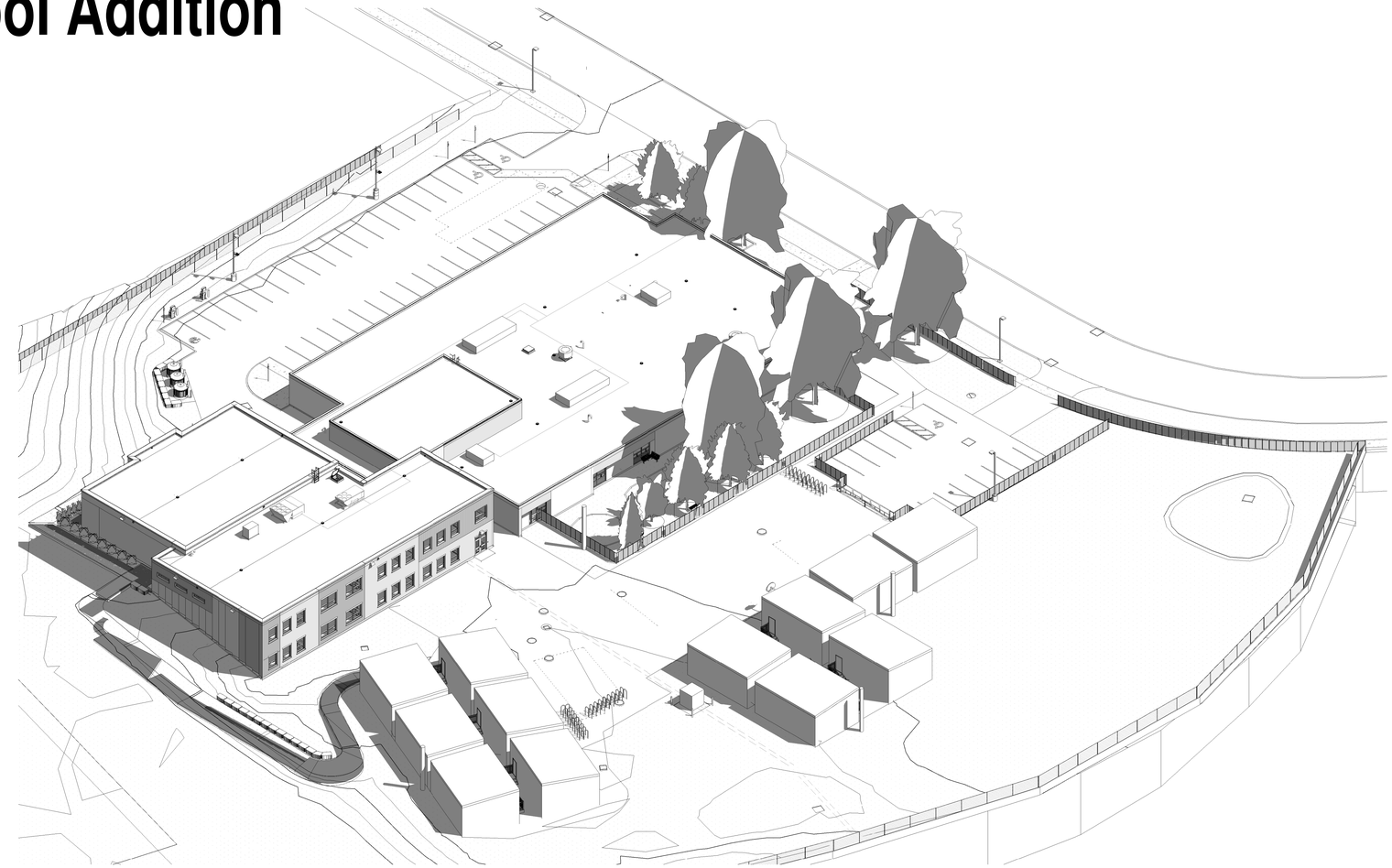
St. Mark CES School Addition

Project Number: 25027

RFT Number: 2026-05



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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

All drawing and specifications are the property of the Architect. The Contractor shall verify all dimensions and information on site and report any discrepancy to Architect before proceeding.

St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

COVER SHEET

scale:
drawn by: AH
reviewed by: GG/CS
job number: 25027
plot date: 2026-04-27 11:37:29 AM
drawing number:

A0.00

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T1	Tree Preservation Plan
T2	Tree Management Plan
L1	Landscape Plan
L2	Landscape Details

CIVIL

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C2.1	SITE GRADING AND EROSION & SEDIMENT CONTROL PLAN
C2.2	SITE SERVICING PLAN
C2.3	NOTES AND DETAILS PLAN 1
C2.4	NOTES AND DETAILS PLAN 2
C2.5	NOTES AND DETAILS PLAN 3

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M1.1	MECHANICAL LEGEND, NOTES, AND SCHEDULES
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S4.2	SECTIONS
S4.3	SECTIONS
S4.4	SECTIONS
S4.5	SECTIONS
S4.6	SECTIONS
S4.7	SECTIONS
S4.8	SECTIONS
S4.9	SECTIONS
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S5.6	TYPICAL DETAILS
S5.7	TYPICAL DETAILS

ARCHITECTURAL

G ARCHITECTS

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A0.02	PROJECT + ARCHITECTURAL INFO
A0.03	PLUMBING FIXTURE REQUIREMENTS
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A0.11	ASSEMBLIES
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A6.21	EXTERIOR SECTION DETAILS - OPENINGS
A6.22	EXTERIOR SECTION DETAILS
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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

DRAWING LIST

scale:
drawn by: AH
reviewed by: GG/CS
job number: 25027
plot date: 2026-04-24 3:04:04 PM

drawing number:

A0.01

Firm Name: G architects
1490 Richmond Street, Unit 305, London, ON
Certificate of Practice Number: 3811
The Certificate of Practice Number of the holder is the holder's BCDN. Mathew Galvin OAA, MArch, #6355
Name of Project: WCDSB St. Mark CES Renovation
Location: 240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

The architect noted above has exercised responsible control with respect to design activities. The architect's seal number is the architect's BCDN.

Item	Ontario's 2020 Building Code Data Matrix Part 3 or 9	OBC Reference – References are to Division B unless noted [A] for Division A or [C] for Division C.	
1	Project Description: ☐ New ■ Addition ☐ Change of Use ■ Alteration; ■ Part 11 Alteration – 11.1 to 11.4	■ Part 3 Addition – 1.1.2. [A]	☐ Part 9 – 1.1.2. [A] & 9.10.1.3.
2	Major Occupancy(s) Group A - Division 2	3.1.2.1.(1)	9.10.2.
3	Building Area (m²) Existing 2,108 m² New 1,108 m² Total 3,216 m²	1.4.1.2. [A]	1.4.1.2. [A]
4	Gross Area Existing 2,108. m² New 1,700 m² Total 3,808 m²	1.4.1.2. [A]	1.4.1.2. [A]
5	Number of Storey's Existing Above grade 1 Below grade 0; Number of Storey's Addition Above grade 2 Below grade 0	1.4.1.2. [A]&3.2.1.1.	1.4.1.2. [A] & 9.10.4
6	Number of Streets/Fire Fighter Access 1	3.2.2.10 & 3.2.5	9.10.20
7	Building Classification Exising Group A, Division 2; Addition 3.2.2.24 - Group A, Division 2, up to 6 storey's any area	3.2.2.20-.83	9.10.2
8	Sprinkler System Proposed ☐ selected compartments ☐ entire building; Addition Only ■ selected floor areas; ☐ basement ☐ in lieu of roof rating; Existing building ■ not required	3.2.2.20-.83 3.2.1.5. 3.2.2.17. INDEX	9.10.8.2. INDEX
9	Standpipe Required ☐ Yes ■ No	3.2.5.8.	N/A
10	Fire Alarm Required ■ Yes ☐ No	3.2.4	9.10.18.
11	Water Service/Supply is Adequate ■ Yes ☐ No	3.2.5.7.	N/A
12	High Building ☐ Yes ■ No	3.2.6.	N/A
13	Construction Restrictions ☐ Combustible permitted ■ Non- combustible required ☐ Both; Actual Construction ☐ Combustible ■ Non-combustible ☐ Both	3.2.2.20-.83	9.10.6.
14	Mezzanine(s) Area m² N/A	3.2.1.1.(3)-(8)	9.10.4.1.
15	Occupant load based on ☐ m²/person ■ design of building	3.1.17.	9.9.1.3.
	Existing Building: 1st Floor (11 Classrooms @ 26/Classroom) Occupancy A 2 Load 286 persons		
	Addition Building: 1st Floor (4 Classrooms @ 26/Classroom) Occupancy A 2 Load 103 persons		
	2nd Floor (4 Classrooms @ 26/Classroom) Occupancy A 2 Load 103 persons		
	Staff: 1st Floor Occupancy A 2 Load 22 persons		
	2nd Floor Occupancy A 2 Load 4 persons		
	TOTAL Occupancy A 2 Load 518 persons		
16	Barrier-free Design ■ Yes ☐ No (Explain)______	3.8.	9.5.2.
17	Hazardous Substances ☐ Yes ■ No	3.3.1.2. & 3.3.1.19.	9.10.1.3.(4)
18	Addition Building Required Fire Resistance Rating (FRR)	3.2.2.20.-.83 & 3.2.1.4.	9.10.8 9.10.9.

Horizontal Assemblies FRR (Hours)	Listed Design No. or Description (SG-2)
Floors 1 Hours	Noncombustible
Roof N/A Hours	Noncombustible
Mezzanine 1 Hours	N/A
FRR of Supporting Members	**Listed Design No. or Description (SG-2)**
Floors 1 Hours	Noncombustible
Roof N/A Hours	Noncombustible
Mezzanine 1 Hours	N/A

19 Spatial Separation - Construction of Exterior Walls — 3.2.3.1.D — 9.10.14.

Wall	Area of EBF (m²)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (hours)	Listed Design or Description	Permitted Comb. or Non-Comb. Const.	Proposed Non-Comb.	EBF FRR
North	207.6	30.18	11.60	100	2.5	-	-	Yes	Yes	N/A OBC: 3.2.3.7 (3)
South	300.65	4.80	5.44	35	23	3/4	-	Yes	Yes	
East	25.4	72.42	3.15	100	23	-	-	Yes	Yes	
East	37.9	6.4	1.3	100	4	-	-	Yes	Yes	
East	39.9	1.74	1.43	15	0	1	-	Yes	Yes	
East	65	3.5	4	32	0	3/4	-	Yes	Yes	
West	157.5	97.96	9.82	100	2.2	-	-	Yes	Yes	
Exist North West	37.9	6.4	2.5	32	0	3/4	-	Yes	Yes	
Exist South West	22.7	1.74	1.5	6	0	1	-	Yes	Yes	

20 Plumbing Fixture Requirements

OCCUPANT LOAD PER OBC = 518
7 EX PORTABLES + (5 FUTURE) = 324
TOTAL PROPOSED OCCUPANT LOAD = 842

Male/Female Count @ 50 % / 50 %, except as noted otherwise
1st Floor: Occupancy A2
2nd Floor: Occupancy A2

Occupant Load			WC	Urinals	Total	Permissible Occupant Load (Persons)	Required	Building Code Reference ■ Part 3 3.7.4.3.(14)
STUDENT	1st floor	Male						
		Female						
	2nd floor	Male						
		Female						
Staff	1st floor	Male						
		Female						
	2nd floor	Male						
		Female						

(Fixtures Provided: REFER TO SHEET A.03 PLUMBING FIXTURE COUNT)

3.7.4.2. Plumbing Facilities
(8) The water closet and lavatory provided in the universal washroom described in Sentence 3.8.3.12.(1) may be counted as part of the plumbing fixtures required for males and females in this Subsection:
(a) more than one water closet is required for males, and
(b) more than one water closet is requried for females.
(9) Where one water closet is required for males and one water closet is required for females, the following may be provided in lieu of the water closets otherwise required by this Subsection:
(a) one universal washroom conforming to Sentence 3.8.3.12.(1), and
(b) one washroom containing one water closet that is permitted to be used by both sexes provided the door to the room can be locked from the inside.
(10) Both sexes are permitted to be served by a single water closet if the occupant load is not more than 10 persons in an assembly occupancy referred to in Article 3.7.4.3. except for,
(a) elementary and secondary schools,

21 Other - Describe

3.2.2.24 - Group A, Division 2, up to 6 storey's any area; Only the building area of the new addition has been considered when determining the applicable Construction Article as a 1 hr fire separation has been provided between the xisting building and the new building addition.

3.3.1.5. Egress Doorways
(1).(b) minimum of 2 doorways required for a room intended for an occupant load more than 60
(d).(ii) where the area of the room is more than 200 sm
(1) distance between doors shall be equal to or greater than one-third the maximum overall diagonal of the room.
Gymnasium
- Area = 401.8m²
- Table 3.1.17.1 Occupant load = 402 / 0.75 = 536 (non-fixed seats)
- Table 3.1.17.1 Occupant load = 402 / 0.40 = 1,005 (standing space)
- Posted Occupancy = **600 (Standing), 536 (Non-Fixed Seats)**

Corridors (No Fire-Resistance Rating Required)
3.3.2.6.(3) - the fire-resistance rating required by sentence (1) is permitted to be waived if the floor area in which the corridor is located is sprinklered throughout.

3.4.2.5. Location of Exits
Addition Building. (1).(c) Travel distance to at least 1 exit shall be not more than 30m.
Existing Building. (1).(f) Travel distance to at least 1 exit shall be not more than 30m.

3.4.3.2. Exit Width
Total exit width = 600 x 6.1 = 3,660mm
Each exit can contribute not more than 1/2 the total exit width = 1,830mm
When the Gym is divided into 2 gym's total exit width = 1,830mm
Each exit can contribute not more than 1/2 the total exit width = 915mm

Firm Name: G architects
1490 Richmond Street, Unit 305, London, ON
Certificate of Practice Number: 3811
The Certificate of Practice Number of the holder is the holder's BCDN. Mathew Galvin OAA, MArch, #6355
Name of Project: WCDSB St. Mark CES Renovation
Location: 240 Autumn Hill Crescent, Kitchener, ON N2N 1K8
The architect noted above has exercised responsible control with respect to design activities. The architect's seal number is the architect's BCDN.

	Ontario Building Code Data Matrix - Part 11 - Renovation of Existing Building		OBC Reference
11.1	Existing Building Classification:	Describe Existing Use: GROUP A-2, SCHOOL, NON-RESIDENTIAL; Construction Index: N/A; Hazard Index: N/A; Not Applicable (no change of major occupancy)	11.2.1 T 11.2.1.1A T 11.2.1.1B to N
11.2	Alteration to Existing Building is:	Basic Renovation ■; Extensive Renovation ☐	11.3.3.1 11.3.3.2
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 11.4.2.2 11.4.2.3 11.4.2.4 11.4.2.5
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

GENERAL CONTRACTOR TO PROVIDE FULL SETS OF DOCUMENTS TO THEIR SUBTRADES AND MUST MAKE SURE THAT ALL NOTATIONS ON CONSTRUCTION DOCUMENTS ARE FULLY READ AND UNDERSTOOD. ANY DISCREPANCIES ARE TO BE BROUGHT UP TO THE ARCHITECT PRIOR TO START OF CONSTRUCTION. NO EXTRAS ARE ALLOWED TO THE CONTRACT, IF THE INFORMATION IS PRESENT ON THE CONSTRUCTION DOCUMENTS.

ANY 3D ILLUSTRATIONS ARE FOR REFERENCE ONLY. ALL CONSTRUCTION DOCUMENTATION SUPERCEDES THE ILLUSTRATIONS PROVIDED AND ANY DISCREPANCIES ARE TO BE BROUGHT UP TO THE ARCHITECT PRIOR TO START OF CONSTRUCTION.

Roof Work Notes:

ROOF PENETRATIONS ARE TO BE FABRICATED FROM FIELD DIMENSIONS.
NEW ROOF PENETRATIONS AND ROOF ENCLOSURE TO BE INSTALLED AS SPECIFIED (REFER TO MECHANICAL). GENERAL CONTRACTOR TO SITE INSTALL AIR BARRIER AND VAPOUR RETARDER AROUND OPENINGS COMPATIBLE WITH EXISTING BUILDING ENVELOPE ASSEMBLY. PROVIDE SPRAY FOAM, BACKER ROD AND SEALANTS. PATCH, REPAIR AND PAINT (AS NEEDED) INTERIOR/EXTERIOR SIDES OF OPENINGS. ROOFING CONTRACTOR TO INSTALL ADDITIONAL BLOCKING TO ACCOMMODATE THICKER INSULATION AND CONTINUE ROOFING MEMBRANE SYSTEM UP, OVER CURBS AND INSTALL NEW FLASHING AND REINSTALL MECHANICAL UNITS AS REQUIRED (REFER TO MECHANICAL AND SPECIFICATIONS). (TYPICAL).

PRIOR TO THE GENERAL CONTRACTOR GAINING ACCESS TO THE SITE, THE CLIENT SHALL REMOVE ALL NON-FIXED FURNITURE, WALL MOUNTED ITEMS, LOOSE ITEMS, ETC., IN ALL AREAS WHERE DEMOLITION IS TO OCCUR AND SHALL REINSTATE THEM AFTER CONTRACT IS COMPLETED. SHOULD ANY ITEMS REMAIN ON WALLS TO BE DEMOLISHED CONTRACTOR SHALL REMOVE AND DISPOSE OF THEM ACCORDINGLY. GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL FIXED ITEMS/ FURNITURE AND RE-INSTALL AFTER RENOVATION IS COMPLETED. IF ANY ITEMS ADJACENT TO THE SCOPE OF DEMOLITION WORK INHIBIT SCOPE OF WORK TO BE COMPLETED THE GENERAL CONTRACTOR SHALL REMOVE AND RETURN ITEM(S) TO THE CLIENT.

Separate Price Work:

1. SUPPLY AND INSTALLATION OF A 1.8M HIGH SOLID BOARD WOOD FENCE. (REGER TO LANDSCAPE DRAWING FOR FURTHER INFORMATION ON DESIGN OF FENCE). GENERAL CONTRACTOR TO INCLUDE ALL WORK ASSOCIATED WITH THIS INSTALLATION AND COORDINATION WITH ALL TRADES. (REFER TO SPECIFICATIONS)

General Legend

X-# XX	DENOTES INTERIOR PARTITION TYPES
X-# XXX	DENOTES EXTERIOR AND FOUNDATION WALL TYPES
000	DENOTES ROOM NUMBER REFERENCE
XXX	DENOTES NEW DOOR
XX	DENOTES NEW WINDOW
XXX-1	DENOTES WASHROOM ACCESSORY TYPE
XXX-1 2800	DENOTES CEILING TYPE
PT-1	DENOTES WALL FINISH TYPE
XXX-1	DENOTES FLOOR FINISH TYPE
F1a	DENOTES FLOOR ASSEMBLY TYPE / FLOOR AND CEILING ASSEMBLY TYPE
R1a	DENOTES ROOF TYPE / FLOOR AND ROOF ASSEMBLY TYPE
1	DENOTES MATERIAL TYPE
PB	DENOTES PUSH BUTTON POWER DOOR OPERATOR LOCATION
	DENOTES DIMENSION REFERENCE
	EXISTING WALLS SHOWN AS SOLID GRAY ARE TO REMAIN
	DEMOLISHED ELEMENTS TO BE REMOVED
01 A 1.01 Ref	DENOTES WALL SECTION
01 A 1.01 REF	DENOTES BUILDING SECTION
DIRECTION OF CAMERA #	DENOTES CAMERA LOCATION

INTERIOR RENOVATION WORK NOTE:

1. ALL TEMPORARY EXITING (DOORS, PANIC HARDWARE, EXIT SIGNAGE, ETC.) TO BE IN PLACE BEFORE THE START OF PHASE 1; ANY MATERIALS REMOVED TO BE HELD AND SECURED BY GC UNTIL COMPLETION OF THE ADDITION AND REINSTATED BY GC WHEN REDUNDANT; UNSALVAGEABLE MATERIALS TO BE CARRIED FOR REPLACEMENT BY GC AS NECESSARY.
2. ALL INTERIOR RENOVATION IN THE EXISTING SCHOOL IS TO BE PERFORMED DURING THE **SUMMER BREAK, AFTER HOURS, OR AT THE DISCRETION OF WCDSB AT NO ADDITIONAL CHARGE**.
3. THE GENERAL CONTRACTOR SHALL DEVELOP AND IMPLEMENT A DETAILED PHASING PLAN THAT MAINTAINS SAFE, CONTINUOUS OPERATION OF THE EXISTING SCHOOL FACILITIES THROUGHOUT CONSTRUCTION, ENSURING ONGOING USE OF ALL OCCUPIED AREAS, INCLUDING THE GYMNASIUM, LIBRARY, AND ADMINISTRATION SPACES TO BE RENOVATED.

Designated Substance Report:

GENERAL CONTRACTOR IS RESPONSIBLE TO REVIEW DESIGNATED SUBSTANCE REPORT INCLUDED IN SPECIFICATION BOOK AND TAKE ACTIONS (IF REQUIRED) IN AREAS WITHIN SCOPE OF WORK. REPORT IMMEDIATELY TO ARCHITECT AND CLIENT BEFORE PROCEEDING WITH ANY ABATEMENT WORK.

Work Restrictions:

SHOULD THE CONTRACTOR NOT BE ABLE TO FINISH THE SCOPE OF WORK BY THE SUBSTANTIAL COMPLETION DATE, THE CONTRACTOR SHALL COMPLETE ALL INVASIVE WORK, AT THEIR OWN COST, AFTER HOURS AND ON THE WEEKEND DURING TIMES WHEN THE SCHOOL IS CLOSED. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER FOR ALL AFTER HOURS WORK. ALL OCCUPIED SPACES SCOPE OF WORK SHALL BE COMPLETED BY AUGUST 22, 2025. THE NON-NOISY WORK IN AREAS OTHER THAN OCCUPIED SPACES CAN BE COMPLETED DURING SCHOOL HOURS AND SHALL BE COORDINATED WITH THE OWNER. ALL EXIT DOORS AND CORRIDORS SHALL NOT BE BLOCKED AT ANY TIME.

Existing Lighting:

GENERAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A DETAILED SCHEDULE OF ALL LIGHTING BEING REMOVED.

Existing Life Safety Devices:

ALL EXISTING LIFE SAFETY DEVICES SHALL BE KEPT ACTIVE AND IN COMPLETE WORKING ORDER DURING ALL PHASES OF CONSTRUCTION AT CONTRACTOR'S EXPENSE

Key Plan

General Notes

1. THE CONTRACTOR SHALL VISIT THE PROPERTY AND MAKE THEMSELVES FULLY AWARE OF ALL EXISTING CONSTRUCTION SO THAT THEY MAY INCLUDE FOR ALL CONTINGENCIES.
2. CONTRACTOR TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND NOTIFY THE CONSULTANT OF ANY INCONSISTENCIES PRIOR TO ORDERING OR INSTALLATION OF MATERIALS.
3. ALL DIMENSIONS MUST BE CONFIRMED ON SITE BY CONTRACTORS. CAREFULLY EXAMINE ALL EXISTING SITE CONDITIONS AND BUILDING COMPONENTS ALONG WITH ALL DIMENSIONS THAT WILL AFFECT THE PROPER EXECUTION OF WORK IN ORDER TO OBTAIN A CLEAR AND COMPREHENSIVE UNDERSTANDING OF THE WORK REQUIRED TO COMPLETE THE PROJECT.
4. ALL WORK IS TO BE EXECUTED BY EXPERIENCED TRANSPERSONAL TO THE BEST WORKMANSHIP, IN CONFORMANCE TO REQUIREMENTS OF THE ONTARIO BUILDING CODE, LOCAL/MUNICIPAL BY-LAWS, REGULATIONS AND TO ORDINANCES OF AUTHORITIES HAVING JURISDICTION, ALL TO THE SATISFACTION AND APPROVAL OF THE OWNER AND CONSULTANT.
5. EXCEPT AS INDICATED, DIMENSIONS SHOWN ON PLANS ARE:
   A. ON NEW PARTITIONS - FACE OF STUDS
   B. ON EXISTING PARTITIONS - FROM FACE OF EXISTING FINISH.

Fire Stopping Notes

FIRE STOPPING NOTES:

ANY PENETRATION THROUGH A FIRE SEPARATION MUST BE SEALED AS PER THE FIRE STOP SEALANT NOTES BELOW

FIRE STOP SEALANTS

1.1 GENERAL: ULC LISTED, INTUMESCENT MATERIAL, SYNTHETIC ELASTOMERS, CAPABLE OF EXPANDING UP TO 8 TIMES WHEN EXPOSED TO TEMP. OF 250 deg. F OR HIGHER
1.2 ACCEPTABLE PRODUCTS: HILTI FS-ONE. 3M #CP-25 CAULK OR #303 PUTTY. W CORNING FIRE STOP FOAM #RTV, T&B BURNDY (OR APPROVED ALTERNATE)

1.3 APPLICATIONS:
3.3.1. CUL SYSTEM #SP731 - METAL PIPING OR CONDUIT THRU GYPSUM WALL ASSEMBLY (F RATING UP TO 1hr OR 2hr)
3.3.2. CUL SYSTEM #SP697 - METAL PIPING OR CONDUIT THRU CONCRETE FLOOR ASSEMBLY (F RATING UP TO 3hrS)
3.3.3. CUL SYSTEM #WL5029 - INSULATED METAL PIPING THRU GYPSUM WALL ASSEMBLY (F RATING UP TO 1hr OR 2hr)
3.4. CONTRACTOR TO PROVIDE SHOP DRAWINGS WITH DETAILED MATERIAL INFORMATION INDICATING ULC OR CUL RATINGS AS WELL AS APPLICATION INSTRUCTIONS.

Demolition Notes

1. CAREFULLY EXAMINE ALL EXISTING SITE CONDITIONS AND BUILDING COMPONENTS, ALONG WITH ALL DIMENSIONS WHICH MAY AFFECT PROPER EXECUTION OF THE WORK, SO THAT A CLEAR AND COMPREHENSIVE UNDERSTANDING OF THE SCOPE OF WORK IS ACHIEVED.
2. WHERE EXISTING CONSTRUCTION TO REMAIN IS DAMAGED BY CONTRACTOR'S DEMOLITION WORK, THE CONSTRUCTION MUST BE REPAIRED TO MATCH EXISTING.
3. WHERE WALLS AND WALL HUNG ACCESSORIES ARE TO BE REMOVED, THE CONTRACTOR IS TO INCLUDE FOR REMEDIAL WORK NECESSARY TO LEVEL OR REPAIR ADJACENT FLOORS AND WALL SURFACES PRIOR TO APPLICATION OF NEW FLOOR OR WALL HUNG ACCESSORIES. CONTRACTOR TO APPLY TOUCH-UP PAINT, COLOUR TO MATCH EXISTING ADJACENT SURFACES IN AREAS WHERE CONSTRUCTION HAS TAKEN PLACE.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY WHEN DEMOLISHING THE EXISTING WALLS TO ENSURE THAT ELECTRICAL SERVICES WITHIN THE WALLS AND CEILINGS ARE NOT LIVE. CONTRACTOR TO RE-ROUTE ELECTRICAL IF NECESSARY.

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#	date:	revision:
9	2026.04.24	Issued For Tender
8	2025.12.17	Permit Revisions
7	2025.11.14	CoK Permit Comments
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

All drawing and specifications are the property of the Architect. The Contractor shall verify all dimensions and information on site and report any discrepancy to Architect before proceeding.

St. Mark CES Addition
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PROJECT + ARCHITECTURAL INFO

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:04:06 PM

drawing number: **A0.02**

PLUMBING FIXTURE REQUIREMENTS - BUILDING + (12 Portables - 7 Existing + Future)

Level	Occupancy	Occupant Type	Occupant Load M	Occupant Load F	Fixture Type	Fixtures Required M	Fixtures Required F	OBC Reference	Fixtures Provided M	Fixtures Provided F
Existing Building + (7 Portables)										
1	A2	Staff	12	12	WC	1		3.7.4.3.(14)	2 Unisex WR	
					LAV.	1		3.7.4.2.(6)	2 Unisex WR	
1	A2	Students	234	234	WC	8	9	3.7.4.3.(14)	7 (EX 3 + 4 Urinals)	7 (EX)
					LAV.	4	4	3.7.4.2.(6)	4 (EX)	4 (EX)
					U WC	0			4 Unisex WR (2 EX + 2 NEW)	
					U LAV.	0			4 Unisex WR (2 EX + 2 NEW)	
					BF WC	1		TABLE 3.8.2.3.(B)	(EX) 1 Universal WR	
					BF LAV.	1		3.8.11	(EX) 1 Universal WR	
Addition + (5 Future Portables)										
1 & 2	A2	Staff	7	7	WC	1		3.7.4.3.(14)	1 Unisex WR	
					LAV.	1		3.7.4.2.(6)	1 Unisex WR	
1 & 2	A2	Students	168	168	WC	6	7	3.7.4.3.(14)	6 (4 + 2 Urinals)	9
					LAV.	3	3	3.7.4.2.(6)	4	4
					U WC	0			2 Unisex WR	
					U LAV.	0			2 Unisex WR	
					BF WC	1		TABLE 3.8.2.3.(B)	1 Universal WR	
					BF LAV.	1		3.8.11	1 Universal WR	

Sanitary Facility Summary - School			
Male Staff WC	1.5 Fixtures Provided	-	1.5 x 30 = 45
Female Staff WC	1.5 Fixtures Provided	-	1.5 x 26 = 39
Male Universal WC	1 Fixtures Provided	-	1 x 30 = 30
Female Universal WC	1 Fixtures Provided	-	1 x 26 = 26
Male Student Unisex WC	3 Fixtures Provided	-	3 x 30 = 90
Female Student Unisex...	3 Fixtures Provided	-	3 x 26 = 78
Male Students Main washrooms	13 Fixtures Provided	-	13 x 30 = 390
Female Students Main...	15 Fixtures Provided	-	15 x 26 = 390
Total Male Occupant Load			555
Total Female Occupant Load			533
Total Occupant Load Based on Fixtures Provided			555 x 2 = 1,110

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PLUMBING FIXTURE REQUIREMENTS

scale:

drawn by: AH

reviewed by: GG/CS

job number: 25027

plot date: 2026-04-24 3:04:07 PM

drawing number:

A0.03

EXTERIOR WALL ASSEMBLIES

EXTERIOR WALL ASSEMBLY TAG LEGEND

EF-x | BR
- EXTERIOR ASSEMBLY TYPE x = ASSEMBLY TYPE #
- EXTERIOR CLADDING OR WALL STRUCTURE TYPE

EXTERIOR ASSEMBLY TYPE LEGEND

EF	EXTERIOR WALL FINISH ASSEMBLY
EB	EXTERIOR WALL BACKING ASSEMBLY
XEF	EXISTING EXTERIOR WALL FINISH ASSEMBLY
XEB	EXISTING EXTERIOR WALL BACKING ASSEMBLY

EXTERIOR CLADDING TYPE LEGEND*

BR	BRICK VENEER x = BRICK TYPE
FS	MINERAL FIBRE CEMENT SIDING
MP	ALUMINUM METAL PANEL
MS	METAL SIDING
ACM	ALUMINUM COMPOSITE PANEL
ST	STONE VENEER
EIFS	EXTERIOR INSULATION FINISH SYSTEM
PHN	PHENOLIC PANEL
WSD	WOOD SIDING

EXTERIOR WALL STRUCTURE TYPE LEGEND

CMU	CONCRETE BLOCK MASONRY
SCB	STRUCTURAL CONCRETE BLOCK
CIP	STRUCTURAL CAST IN PLACE CONCRETE
LMS	STRUCTURAL LOADBEARING METAL STUD FRAMING
MSF	LATERAL LOADBEARING METAL STUD FRAMING
PRE	STRUCTURAL PRECAST CONCRETE
SWD	STRUCTURAL WOOD STUD FRAMING
WSF	WOOD STUD FRAMING
SSF	STRUCTURAL STEEL FRAME

NOTES

1. NOT ALL INSTANCES USED IN PROJECT
2. REFER TO STRUCTURAL DOCUMENTS FOR ALL ITEMS NOTED AS "STRUCTURAL"

SYMBOL	FRR (HR) / ULC #	R-VALUE	CONSTRUCTION	DESCRIPTION	
EB-1a SCB	- / -		INTERIOR (BR) EXTERIOR; ADJACENT FINISH WALL (REFER TO DRAWINGS)	- ADJACENT FINISH WALL (REFER TO DRAWINGS) - STRUCTURAL CONCRETE BLOCK. REFER TO STRUCTURAL FOR THICKNESS .	
EB-1b SCB	1 HR / ULC Des BXUVC.U905		ADJACENT FINISH WALL (REFER TO DRAWINGS)	- ADJACENT FINISH WALL (REFER TO DRAWINGS) - STRUCTURAL CONCRETE BLOCK. REFER TO STRUCTURAL FOR THICKNESS	CONCRETE BLOCK WALL TO BE CONSTRUCTED TO PROVIDE A 2-HOUR FIRE-RESISTANCE RATING. THIS EXCEEDS THE MINIMUM 1-HOUR FIRE-RESISTANCE RATING REQUIRED BY THE OBC.
EB-2a SCB	- / -		ADJACENT FINISH WALL (REFER TO DRAWINGS)	- ADJACENT FINISH WALL (REFER TO DRAWINGS) - STRUCTURAL CONCRETE BLOCK. REFER TO STRUCTURAL FOR THICKNESS	
EB-2b SCB	1 HR / ULC Des BXUVC.U905		ADJACENT FINISH WALL (REFER TO DRAWINGS)	- ADJACENT FINISH WALL (REFER TO DRAWINGS) - STRUCTURAL CONCRETE BLOCK. REFER TO STRUCTURAL FOR THICKNESS	CONCRETE BLOCK WALL TO BE CONSTRUCTED TO PROVIDE A 2-HOUR FIRE-RESISTANCE RATING. THIS EXCEEDS THE MINIMUM 1-HOUR FIRE-RESISTANCE RATING REQUIRED BY THE OBC.
EB-3a SCB	- / -		ADJACENT FINISH WALL (REFER TO DRAWINGS)	- ADJACENT FINISH WALL (REFER TO DRAWINGS) - STRUCTURAL CONCRETE BLOCK. REFER TO STRUCTURAL FOR THICKNESS	
EB-3b SCB	1 HR / ULC Des BXUVC.U905		ADJACENT FINISH WALL (REFER TO DRAWINGS)	- ADJACENT FINISH WALL (REFER TO DRAWINGS) - STRUCTURAL CONCRETE BLOCK. REFER TO STRUCTURAL FOR THICKNESS	CONCRETE BLOCK WALL TO BE CONSTRUCTED TO PROVIDE A 2-HOUR FIRE-RESISTANCE RATING. THIS EXCEEDS THE MINIMUM 1-HOUR FIRE-RESISTANCE RATING REQUIRED BY THE OBC.

SYMBOL	FRR (HR) / ULC #	R-VALUE	CONSTRUCTION	DESCRIPTION	
EF-1 BR	- / -	R19	INTERIOR EXTERIOR; ADJACENT BACKING WALL (REFER TO DRAWINGS)	90mm MASONRY VENEER 25mm AIR SPACE 75mm SPRAY FOAM (INS-9) - ADJACENT EXTERIOR WALL BACKING ASSEMBLY (REFER TO DRAWINGS)	FINISH TYPES. REFER TO EXTERIOR ELEVATIONS FOR FINISH TYPE LOCATIONS. BR-4: BRICK VENEER - VERDIAN BR-6: BRICK VENEER - CRYSTAL GREY
EF-3 MP	- / -	R19	ADJACENT BACKING WALL (REFER TO DRAWINGS)	38mm PREFIN. VERTICAL METAL PANELS (MP-6) 25mm GALVANIZED HATBARS (MIN. 20 ga) w/ GASKETS @ VERTICAL JOINTS COLOUR TO MATCH PANEL 127mm THERMALY BROKEN CASCADIA CLIPS @ 400mm O.C. (16") (MIN. 20 ga) 75mm SPRAY FOAM AND AIR BARRIER (INS-9) - ADJACENT EXTERIOR WALL BACKING ASSEMBLY (REFER TO DRAWINGS)	FINISH TYPES. REFER TO EXTERIOR ELEVATIONS FOR FINISH TYPE LOCATIONS. MP-6: CHAMPAGNE PEARL - MX-8 MP-7: LIGHT BRONZE ANODIZED ALUMINUM - MX-8
EF-4 MP	- / -	R19	ADJACENT BACKING WALL (REFER TO DRAWINGS)	38mm PREFIN. VERTICAL METAL PANELS (MP-7) 51mm GALVANIZED HATBARS (MIN. 20 ga) w/ GASKETS @ VERTICAL JOINTS COLOUR TO MATCH PANEL 152mm THERMALY BROKEN CASCADIA CLIPS @ 400mm O.C. (16") (MIN. 20 ga) 75mm SPRAY FOAM AND AIR BARRIER (INS-9) - ADJACENT EXTERIOR WALL BACKING ASSEMBLY (REFER TO DRAWINGS)	FINISH TYPES. REFER TO EXTERIOR ELEVATIONS FOR FINISH TYPE LOCATIONS. MP-7: LIGHT BRONZE ANODIZED ALUMINUM - MX-8
EF-5 MP	- / -		ADJACENT EXISTING BRICK / CMU WALL (REFER TO DRAWINGS)	38mm PREFIN. VERTICAL METAL PANELS (MP-7) 25mm GALVANIZED HATBARS (MIN. 20 ga) w/ GASKETS @ VERTICAL JOINTS COLOUR TO MATCH PANEL - VAPOUR PERMEABLE AIR BARRIER (AVB-2) - ADJACENT EXTERIOR WALL BACKING ASSEMBLY (REFER TO DRAWINGS)	FINISH TYPES. REFER TO EXTERIOR ELEVATIONS FOR FINISH TYPE LOCATIONS. MP-7: LIGHT BRONZE ANODIZED ALUMINUM - MX-8
H-1 MSF	1HR / Sim. to ULC Des W453			- AIR & WATER RESISTIVE BARRIER (AVB-1) 13mm RATED DENSGLASS SHEATING 92mm STEEL STUDS @ 400 mm O.C. - BATT INSULATION WITHIN CAVITY. MIN. R13 (INS-4A) - VAPOUR BARRIER 13mm TYPE "C" GYPSUM WALLBOARD	INDICATED BY PHASING DIAGRAM Ref. No. OBC SB-10 Tbl. SB5.5-5
XEB-1 CMU	1 HR / CCMPA OBC SB-2 TBL 2.1.1.		ADJACENT FINISH WALL (REFER TO DRAWINGS)	- ADJACENT FINISH WALL (REFER TO DRAWINGS) 200mm NOMINAL CONCRETE BLOCK, (STANDARD TYPE N OR S CONCRETE)	EXISTING ASSEMBLY. CONTRACTOR TO SITE VERIFY GRID LINES SET AT OUTSIDE FACE OF EXISTING WALL.

CEILING ASSEMBLIES

CEILING ASSEMBLY TAG LEGEND

ACTx | 2440
- CEILING MEMBRANE MATERIAL TYPE
- CEILING MEMBRANE ELEVATION AFF (mm)

CEILING MEMBRANE MATERIAL LEGEND*

ACTx	ACOUSTIC PANEL CEILING. x = ACT TYPE #
EXP	EXPOSED STRUCTURE - NO CLG MEMBRANE
GWBx	GYPSUM WALL BOARD x = GWB CEILING TYPE #
WCPx	WOOD CEILING. x = WOOD TYPE #
CXxxx	FIRE RATED CEILING MEMBRANE. xxx = FRR OF MEMBRANE (min.)
WCTx	WOOD LOOK ACOUSTIC CEILING TILE. x = CEILING TILE TYPE #

NOTES

1. NOT ALL PARTITION TYPES SHOWN ARE USED IN PROJECT
2. REFER TO STRUCTURAL DOCUMENTS FOR ALL ITEMS NOTED AS "STRUCTURAL"
3. REFER TO GYPSUM WALL BOARD SCHEDULE IN SPECIFICATION SECTION 09 21 16 FOR ROOMS TO RECEIVE MOISTURE-RESISTANT GYPSUM WALL BOARD

SYMBOL	FRR (HR) / ULC #	STC RATING	CONSTRUCTION	DESCRIPTION	
ACT-1 -				ACOUSTIC CEILING GRID SYSTEM SUSPENDED FROM STRUCTURE ABOVE ACOUSTIC CEILING TILE	REFER TO RCPS FOR LOCATION & COORDINATE WITH SPECIFICATIONS ACT-1: 2X4 TILE
GWB-1 -				92mm METAL FRAMING SYSTEM 16mm GWB	REFER TO RCPS FOR LOCATION & COORDINATE WITH SPECIFICATIONS

PARAPET WALL AND ROOF CURB ASSEMBLIES

PARAPET WALL / CURB ASSEMBLY TAG LEGEND

PRB-x | MSF
- ASSEMBLY TYPE x = ASSEMBLY TYPE #
- PARAPET WALL / CURB STRUCTURE TYPE

ASSEMBLY TYPE LEGEND

PRB	PARAPET WALL BACKING ASSEMBLY
CRB	ROOF CURB ASSEMBLY

PARAPET WALL / CURB STRUCTURE TYPE LEGEND

CMU	CONCRETE BLOCK MASONRY
SCB	STRUCTURAL CONCRETE BLOCK
CIP	STRUCTURAL CAST IN PLACE CONCRETE
LMS	STRUCTURAL LOADBEARING METAL STUD FRAMING
MSF	LATERAL LOADBEARING METAL STUD FRAMING
PRE	STRUCTURAL PRECAST CONCRETE
SWD	STRUCTURAL WOOD STUD FRAMING
WSF	WOOD STUD FRAMING
SSF	STRUCTURAL STEEL FRAME

NOTES

1. NOT ALL INSTANCES USED IN PROJECT
2. REFER TO STRUCTURAL DOCUMENTS FOR ALL ITEMS NOTED AS "STRUCTURAL"

SYMBOL	FFR (HR) / ULC#	FRR (HR)	CONSTRUCTION	DESCRIPTION	
PRB-1			ROOF EXTERIOR; ADJACENT FINISH WALL (REFER TO DRAWINGS)	ADJACENT FINISH WALL (REFER TO ARCH DWGS) - EXTENDED ROOFING A/V BARRIER (AVB-1) UP & OVER PARAPET & SEAL TO WALL TRANSITION MEMBRANE 89mm RIGID INSULATION (INS-3) 13mm EXTERIOR GRADE SHEATHING - ROOFING SYSTEM (SPEC.) ROOF	
CRB-1			ROOF; ADJACENT WALL (REFER TO DRAWINGS)	ADJACENT WALL (REFER TO ARCH DWGS) - EXTENDED ROOFING A/V BARRIER (AVB-1) UP & OVER PARAPET & SEAL TO WALL TRANSITION MEMBRANE 89mm RIGID INSULATION (INS-3) 13mm EXTERIOR GRADE SHEATHING - ROOFING SYSTEM (SPEC.) ROOF	
CRB-2			ROOF; ADJACENT WALL (REFER TO DRAWINGS)	ADJACENT WALL (REFER TO ARCH DWGS) - EXTENDED ROOFING A/V BARRIER (AVB-1) UP & OVER PARAPET & SEAL TO WALL TRANSITION MEMBRANE 89mm RIGID INSULATION (INS-3) 90mm CONC. BLOCK - ROOFING SYSTEM (SPEC.) ROOF	

FLOOR ASSEMBLIES

FLOOR ASSEMBLY TAG LEGEND

FL-xl - CEM
- FLOOR ASSEMBLY TYPE x = FLOOR ASSEMBLY TYPE #
- FLOOR ASSEMBLY STRUCTURE
- TOPPING MATERIAL

FLOOR ASSMEBLY STRUCTURE LEGEND *

CIP	STRUCTURAL CAST IN PLACE CONCRETE SUSPENDED SLAB
SOG	SLAB ON GRADE
COMP	POURED CONCRETE ON METAL DECK
PRE	STRUCTURAL PRECAST CONCRETE SLAB
SMJ-w	WOOD DECKING ON STRUCTURAL STEEL JOIST SYSTEM
SMJ-c	P. CONC. ON METAL DECK ON STRUCTURAL STEEL JOIST SYSTEM
SWD	STRUCTURAL WOOD FRAMING

TOPPING MATERIAL

-	NO TOPPING
S	STRUCTURAL TOPPING
F	FINISH TOPPING

NOTES

1. NOT ALL FLOOR TYPES SHOWN ARE USED IN PROJECT
2. REFER TO STRUCTURAL DOCUMENTS FOR ALL ITEMS NOTED AS "STRUCTURAL"
3. REFER TO FLOOR FINISH SPECIFICATION FOR ALL ITEMS DENOTED AS "FINISH TOPPING"

SYMBOL	FFR (HR) / ULC#	FRR (HR)	CONSTRUCTION	DESCRIPTION	
FL-1 - SOG	- / -	R15		* STRUCTURAL CAST IN-PLACE CONCRETE SLAB ON GRADE. UNDERSLAB VAPOUR RETARDER (15-mil POLY, ASTM E-175) (AVB-5) 75mm 1220mm (48") RIGID INSULATION AROUND ENTIRE PERIMETER OF BUILDING (INS-2) 300mm COMPACTED GRANULAR 'A' (REFER TO STRUCTURAL DRAWINGS / GEOTECH. REPORT)	REFER TO GEOTECHNICAL REPORT *REFER TO STRUCTURAL DRAWINGS FOR SLAB THICKNESS
FL-3 S PRE	1HR / ULC Des BXUV.J957			50mm STRUCTURAL CONCRETE TOPPING * STRUCTURAL HOLLOW CORE PRECAST CONCRETE SLAB	*REFER TO STRUCTURAL DRAWINGS FOR SLAB THICKNESS
FL-4 F CIP	- / -			* CRYSTALLINE WATERPROOFING (WPM-7) VARIES C.I.P. CONCRETE TOPPING SLOPED TO DRAIN CONCRETE STRUCTURAL SLAB ON GRADE (SEE STRUCTURAL DRAWINGS) * WATERPROOFING MEMBRANE ON ENGINEERED SUB GRADE	STAIR * REFER TO STRUCTURAL DRAWINGS FOR SLAB THICKNESS

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VB&S STRUCTURAL ENGINEERS
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vbands.com

ROM MOUNTS ARCHITECTS
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#	date:	revision:
9	2026.04.24	Issued For Tender
8	2025.12.17	Permit Revisions
7	2025.11.14	CoK Permit Comments
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All drawing and specifications are the property of the Architect. The Contractor shall verify all dimensions and information on site and report any discrepancy to Architect before proceeding.

St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ASSEMBLIES

scale:	1 : 10
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:04:10 PM
drawing number:	A0.10

FOUNDATION WALL ASSEMBLIES

FOUNDATION WALL ASSEMBLY TAG LEGEND

FW-x | XPS
- FOUNDATION WALL ASSEMBLY TYPE x = WALL ASSEMBLY TYPE #
- FOUNDATION WALL INSULATION TYPE

FOUNDATION WALL INSULATION TYPE LEGEND*

-	NO INSULATION
MWI	MINERAL WOOL BATT
XPS	EXTRUDED POLYSTRENE

NOTES

1. NOT ALL INSTANCES USED IN PROJECT
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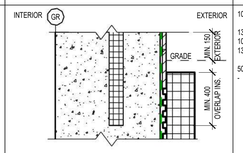
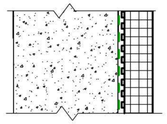
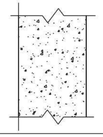
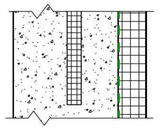
SYMBOL	FRR (HR) / ULC#	R-VALUE	CONSTRUCTION	DESCRIPTION	
FW-1 XPS	- / -	R20		100mm XPS FOUNDATION INSULATION (INS-1) 13mm CEMENT BOARD 10mm DRAINAGE BOARD 130mm CAST IN PLACE FINISH CONCRETE. REFER TO STRUCTURAL DWGS 50mm XPS FOUNDATION INSULATION (INS-1) - STRUCTURAL CIP WALL. REFER TO STRUCTURAL DWGS	REFER TO DETAILS FOR INSULATION POCKET AT GRADE LEVEL REFER TO STRUCTURAL DRAWINGS FOR WALL THICKNESS
FW-2 XPS	- / -	R20		100mm XPS FOUNDATION INSULATION (INS-1) - DRAINAGE BOARD - FOUNDATION WATERPROOFING (WPM-1) - CAST IN PLACE ARCHITECTURAL CONCRETE. REFER TO STRUCTURAL DWGS	REFER TO STRUCTURAL DRAWINGS FOR WALL THICKNESS
FW-3 CIP	- / -			- CAST IN PLACE FINISH CONCRETE. REFER TO STRUCTURAL DWGS	REFER TO DETAILS FOR INSULATION POCKET AT GRADE LEVEL
FW-4 XPS	- / -	R20		100mm XPS FOUNDATION INSULATION (INS-1) - FOUNDATION WATERPROOFING (WPM-1) 130mm CAST IN PLACE FINISH CONCRETE. REFER TO STRUCTURAL DWGS 50mm XPS FOUNDATION INSULATION (INS-1) x STRUCTURAL CIP WALL. REFER TO STRUCTURAL DWGS	REFER TO DETAILS FOR INSULATION POCKET AT GRADE LEVEL REFER TO STRUCTURAL DRAWINGS FOR WALL THICKNESS

INTERIOR GWB PARTITION ASSEMBLIES

INTERIOR GWB PARTITION TAG LEGEND

P15-4 | i
- PARTITION ASSEMBLY TYPE
- PARTITION FRAMING MEMBER SIZE
- PARTITION ASSEMBLY TYPE NUMBER
- DENOTES ACOUSTIC ASSEMBLY

GWB PARTITION ASSEMBLY TYPE LEGEND*

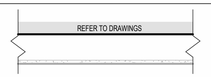
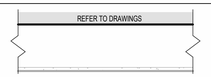
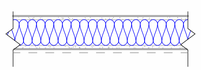
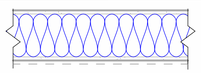
F	FURRING
L	STRUCTURAL PARTITION (LOAD BEARING)
P	PARTITION
2P	DOUBLE WYTHE PARTITION
S	SHAFTWALL PARTITION
X	FIRE RESITANCE RATED PARTITION (NON-LOAD BEARING)
H	HOARDING TEMPORARY ASSEMBLIES

FRAMING SYSTEM DESIGNATION LEGEND*

DESIGNATION	FRAMING		
0	LAMINATED TO SUBSTRATE		
R	ACOUSTIC RESILIENT CHANNEL		
1	19mm SOLID WOOD STRAPPING		
2	22mm METAL HAT CHANNEL		
	METAL STUD	WOOD STUD	
4	42mm / 1 5/8"	2" / 38mm	
6	64mm / 2 1/2"	3" / 76mm	
9	92mm / 3 5/8"	4" / 89mm	
10	102mm / 4"		
15	152mm / 6"	6" / 140mm	
20	203mm / 8"	8" / 184mm	

NOTES

1. ALL PARTITIONS EXTEND TO UNDERSIDE OF STRUCTURE UNLESS NOTED OTHERWISE
2. NOT ALL PARTITION TYPES SHOWN ARE USED IN PROJECT
3. REFER TO STRUCTURAL DOCUMENTS FOR ALL ITEMS NOTED AS "STRUCTURAL"
4. REFER TO ACOUSTIC WALL ASSEMBLY ARTICLE OF SPECIFICATION SECTION 09 21 16 FOR ALL ASSEMBLIES DENOTED AS "ACOUSTIC"
5. REFER TO GYPSUM WALL BOARD SCHEDULE IN SPECIFICATION SECTION 09 21 16 FOR ROOMS TO RECIEVE MOISTURE-RESISTANT GYPSUM WALL BOARD

SYMBOL	FRR (HR) / ULC#	STC RATING	CONSTRUCTION	DESCRIPTION	
F6-1	- / -	-		64mm METAL STUDS @ 405mm O.C. 19mm GWB	
F9-1	- / -	-		92mm METAL STUDS @ 405mm O.C. 19mm GWB	
F15-1	- / -	-		152mm METAL STUDS @ 405mm O.C. 19mm GWB	
P9-1 i	- / -	-		19mm GWB 92mm METAL STUDS @ 405mm O.C. 92mm BATT-TYPE INSULATION (INS-12) 19mm GWB 19mm TYP 'X' GWB (FOR ADDITIONAL SOUND RATING IN WASHROOM #116 AND AND STAFF LOUNGE #117 ONLY)	REFER TO FLOOR PLAN FOR LOCATION
X9-1 i	- / ULC W453	1HR		19mm FIRE RATED GWB 92mm METAL STUDS @ 405mm O.C. 19mm FIRE RATED GWB	
P15-1 i	- / -	-		19mm GWB 152mm METAL STUDS @ 405mm O.C. 152mm BATT-TYPE INSULATION (INS-12) 19mm GWB 19mm TYP 'X' GWB (FOR ADDITIONAL SOUND RATING IN WASHROOM #116 ONLY)	REFER TO FLOOR PLAN FOR LOCATION
H9-1 i	- / -	-		16mm GWB 1mm POLYETHYLENE SHEETING FOR DUST CONTROL 89mm ACCOUSTIC BATT INSULATION INFILL (INS-4B) 92mm METAL STUDS @ 405mm O.C. 16mm GWB	INDICATED BY PHASING DIAGRAM

INTERIOR CONCRETE BLOCK PARTITION ASSEMBLIES

INTERIOR CONC. BLOCK PARTITION TAG LEGEND

LB-x | -
- CONC. BLOCK PARTITION ASSEMBLY TYPE x = CONC. BLOCK ASSEMBLY TYPE #
- CONC. BLOCK UNIT SIZE (mm)

CONC. BLOCK PARTITION ASSEMBLY TYPE LEGEND*

LB	LOAD BEARING CONC. BLOCK PARTITION * - " = REFER TO STRUCTURAL DWGS.
PB	CONC. BLOCK PARTITION
XB	FIRE RESISTANCE RATED CONC. BLOCK PARTITION (NON-LOAD BEARING)
EXB	EXISTING ASSUMED FIRE RATED ASSEMBLY

NOTES

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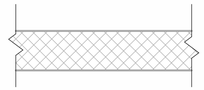
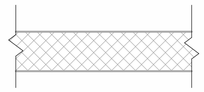
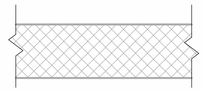
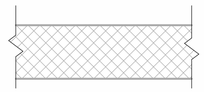
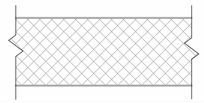
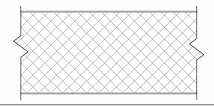
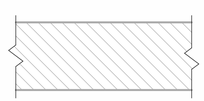
3. ALL CONCRETE BLOCK PARTITIONS TO EXTEND TO UNDERSIDE OF STRUCTURE

SYMBOL	FRR (HR) / ULC #	STC RATING	CONSTRUCTION	DESCRIPTION	
LB-1 140	- / -			190mm STRUCTURAL UNIT MASONARY	ALL HORIZONTAL AND VERTICAL CORNERS TO BE BULLNOSE BLOCK
LB-2 140	1 HR. / CCMPA OBC SB-2 TBL 2.1.1.			190mm STRUCTURAL UNIT MASONARY	ALL HORIZONTAL AND VERTICAL CORNERS TO BE BULLNOSE BLOCK
LB-3 190	- / -			190mm STRUCTURAL UNIT MASONARY	ALL HORIZONTAL AND VERTICAL CORNERS TO BE BULLNOSE BLOCK
LB-4 190	1 HR. / CCMPA OBC SB-2 TBL 2.1.1.			190mm STRUCTURAL UNIT MASONARY	ALL HORIZONTAL AND VERTICAL CORNERS TO BE BULLNOSE BLOCK CONCRETE BLOCK WALL TO BE CONSTRUCTED TO PROVIDE A 2-HOUR FIRE-RESISTANCE RATING. THIS EXCEEDS THE MINIMUM 1-HOUR FIRE-RESISTANCE RATING REQUIRED BY THE OBC.
LB-5 240	1 HR. / CCMPA OBC SB-2 TBL 2.1.1.			240mm STRUCTURAL UNIT MASONARY	ALL HORIZONTAL AND VERTICAL CORNERS TO BE BULLNOSE BLOCK
LB-6 290	1 HR. / CCMPA OBC SB-2 TBL 2.1.1.			290mm STRUCTURAL UNIT MASONARY	ALL HORIZONTAL AND VERTICAL CORNERS TO BE BULLNOSE BLOCK
PB-1 140	- / -			140mm UNIT MASONARY	ALL HORIZONTAL AND VERTICAL CORNERS TO BE BULLNOSE BLOCK
PB-2 190	- / -			190mm UNIT MASONARY	ALL HORIZONTAL AND VERTICAL CORNERS TO BE BULLNOSE BLOCK
XB-1 140	1 HR / CCMPA OBC SB-2 TBL 2.1.1.			140mm UNIT MASONARY	ALL HORIZONTAL AND VERTICAL CORNERS TO BE BULLNOSE BLOCK
XB-2 190	1/2 HR. / CCMPD OBC SB-2 TBL 2.1.1.			190mm UNIT MASONARY	ALL HORIZONTAL AND VERTICAL EDGES TO BE BULLNOSE BLOCK
XB-3 190	1 HR. / CCMPD OBC SB-2 TBL 2.1.1.			190mm UNIT MASONARY	ALL HORIZONTAL AND VERTICAL EDGES TO BE BULLNOSE BLOCK
XB-4 240	1 HR. / CCMPD OBC SB-2 TBL 2.1.1.			240mm UNIT MASONARY	ALL HORIZONTAL AND VERTICAL EDGES TO BE BULLNOSE BLOCK

ROOF ASSEMBLIES

ROOF ASSEMBLY TAG LEGEND

RF-4 | INV-x / COMP
- ROOF ASSEMBLY TYPE x = ROOF ASSEMBLY TYPE #
- ROOF MEMBRANE TYPE x = ROOF MEMBRANE TYPE
- ROOF STRUCTURE TYPE

ROOF ASSEMBLY TYPE LEGEND

RF	PROPOSED ROOF
XRF	EXISTING ROOF

ROOF MEMBRANE TYPE LEGEND*

BUR	BUILT-UP ROOF (4 PLY)
INV	PROTECTED MEMBRANE ROOF
SSMR	STANDING SEAM METAL ROOF
MBR	MODIFIED BITUMEN ROOF (2 PLY)
TMR	THERMOPLASTIC MEMBRANE ROOF
FAR	FLUID APPLIED ROOFING
EMR	ELASTOMERIC MEMBRANE ROOF
ASR	ASPHALT SHINGLE ROOF
MEM	EXISTING ROOF MEMBRANE

ROOF STRUCTURE TYPE LEGEND ***

CIP	STRUCTURAL CAST IN PLACE CONCRETE
COMP	P. CONC. ON STEEL DECK
PRE	STRUCTURAL PRECAST CONCRETE SLAB
SMJ-c	P. CONC. ON STEEL DECK ON STRUCTURAL STEEL JOIST SYSTEM
SMJ-w	WOOD DECKING ON STRUCTURAL STEEL JOIST SYSTEM
SWD	STRUCTURAL WOOD FRAMING
SSD	STEEL DECK

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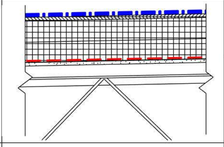
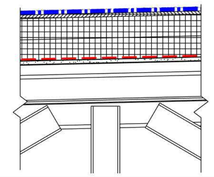
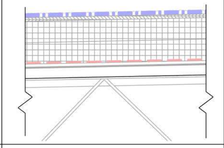
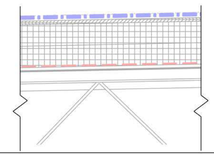
SYMBOL	FRR (HR) / ULC#	R-VALUE	CONSTRUCTION	DESCRIPTION	
RF-1 MBR SSD	- / -	R35		- GRAVEL SURFACING AND/OR PAVERS C/W RIGID INSULATION BELOW (REFER TO SPEC.) - 3 PLY HOT APPLIED BUILT UP ROOF MEMBRANE 13mm ASPHALT COATED FIBERBOARD (PROTECTION BOARD) 75mm POLYISOCYANURATE INSULATION (INS-7) 75mm POLYISOCYANURATE INSULATION (INS-7) - ROOF VAPOUR RETARDER (AVB-3) 13mm ROOF SHEATHING BOARD (1) STRUCTURAL ROOF DECK	(1) REFER TO STRUCTURAL DRAWINGS (2) REFER TO SPECIFICATIONS FOR INFILLING OF ROOF DECK CONSTRUCTION NEW ADDITION MAIN ROOF
RF-2 MBR SSD	- / -	R35		- GRAVEL SURFACING AND/OR PAVERS C/W RIGID INSULATION BELOW (REFER TO SPEC.) - 3 PLY HOT APPLIED BUILT UP ROOF MEMBRANE 13mm ASPHALT COATED FIBERBOARD 75mm POLYISOCYANURATE INSULATION (INS-7) 75mm POLYISOCYANURATE INSULATION (INS-7) - ROOF VAPOUR RETARDER (AVB-3) 13mm ROOF SHEATHING BOARD (1) ACOUSTICAL METAL STEEL DECK	(1) REFER TO STRUCTURAL DRAWINGS (2) REFER TO SPECIFICATIONS FOR INFILLING OF ROOF DECK CONSTRUCTIO NEW ADDITION GYM ROOF
XRF-1 MBR SSD	- / -	R30		- GRAVEL SURFACING AND/OR PAVERS c/w RIGID INSULATION BELOW - 2 PLY TYPE 4 FIBREGLASS FELTS ROOF MEMBRANE - 1 PLY COMPOSITE PLY BASE ROOF MEMBRANE 13mm ASPHALT COATED FIBERBOARD INSULATION 75mm POLYISOCYANURATE INSULSULATION (INS-7) 75mm POLYISOCYANURATE INSUL. (INS-7) - AVC MEMBRANE (AVB-3) (2) EXISTING DENSDECK ON METAL DECK/STRUCTURE	(2) REFER TO EXISTING BUILDING STRUCTURAL DRAWINGS EXISTING BUILDING MAIN ROOF
XRF-2 MBR SSD	- / -	R30		- GRAVEL SURFACING AND/OR PAVERS c/w RIGID INSULATION BELOW - 2 PLY TYPE 4 FIBREGLASS FELTS ROOF MEMBRANE - 1 PLY COMPOSITE PLY BASE ROOF MEMBRANE 13mm ASPHALT COATED FIBERBOARD INSULATION 75mm POLYISOCYANURATE INSULATION (INS-7) 75mm POLYISOCYANURATE INSULATION (INS-7) - AVC MEMBRANE (AVB-3) 13mm DENSDECK PRIME FULLY ADHEARD (2) EXISTING TECTUM DECK ON EXISTING STRUCTURE	(2) REFER TO EXISTING BUILDING STRUCTURAL DRAWINGS EXISTING BUILDING GYM ROOF

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1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ASSEMBLIES

scale:	1 : 10
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:04:13 PM
drawing number:	A0.11

Keynote Legend

Item	Description
54	PUSH BUTTON DOOR OPERATOR (REFER TO ELECTRICAL)
782	SIAMESE CONNECTION.
783	TEMPORARY EXIT DURING CONSTRUCTION ONLY.
787	NEW HORIZONTAL SPRINKLER PIPE IS REQUIRED TO BE FIRE WRAPPED ALONG THE UNSPRINKLERED PORTION OF THE EXISTING BUILDING, RUNNING FROM THE NEW 1HR FIRE SEPARATION TO THE SIAMESE CONNECTION. PIPE WRAP TO BE: CL4 FIRE-RED CODE 96. (REFER TO MECHANICAL).

TEMPORARY EXIT NOTE

1. A TEMPORARY EXIT MUST BE PROVIDED THROUGH "CLASSROOM 118" PRIOR TO THE START OF PHASE 1. UPON COMPLETION OF PHASE 1, THE EXTERIOR WINDOW AND DOOR HARDWARE SHALL BE REINSTATED IN PLACE OF THE TEMPORARY EXIT DOOR, AS EXISTED BEFORE CONSTRUCTION.
2. PER OBC ARTICLE 1.2.1.1.(1)(B) AND SENTENCE 3.3.1.5.(1), WE REQUEST APPROVAL FOR A TEMPORARY EXIT ROUTE THROUGH CLASSROOM A DURING RENOVATION. THIS WILL MAINTAIN EQUIVALENT SAFETY, WITH CLEAR SIGNAGE, SUPERVISION, UNOBSTRUCTED EGRESS PATH, AND FIRE WATCH
3. ALL TEMPORARY EXITING (DOORS, PANIC HARDWARE, EXIT SIGNAGE, ETC.) TO BE IN PLACE PRIOR TO START OF PHASE 1; ANY MATERIALS REMOVED TO BE HELD AND SECURED BY GC UNTIL COMPLETION OF ADDITION AND REINSTATED BY GC WHEN REDUNDANT; UNSALVAGEABLE MATERIALS TO BE CARRIED FOR REPLACEMENT BY GC AS NECESSARY.

Fire Stopping Notes

FIRE STOPPING NOTES:

ANY PENETRATION THROUGH A FIRE SEPARATION MUST BE SEALED AS PER THE FIRE STOP SEALANT NOTES BELOW

FIRE STOP SEALANTS

1.1 GENERAL: ULC LISTED, INTUMESCENT MATERIAL, SYNTHETIC ELASTOMERS, CAPABLE OF EXPANDING UP TO 8 TIMES WHEN EXPOSED TO TEMP. OF 250 deg. F OR HIGHER

1.2 ACCEPTABLE PRODUCTS: HILTI FS-ONE. 3M #CP-25 CAULK OR #303 PUTTY. W CORNING FIRE STOP FOAM #RTV, T&B BURNDY (OR APPROVED ALTERNATE)

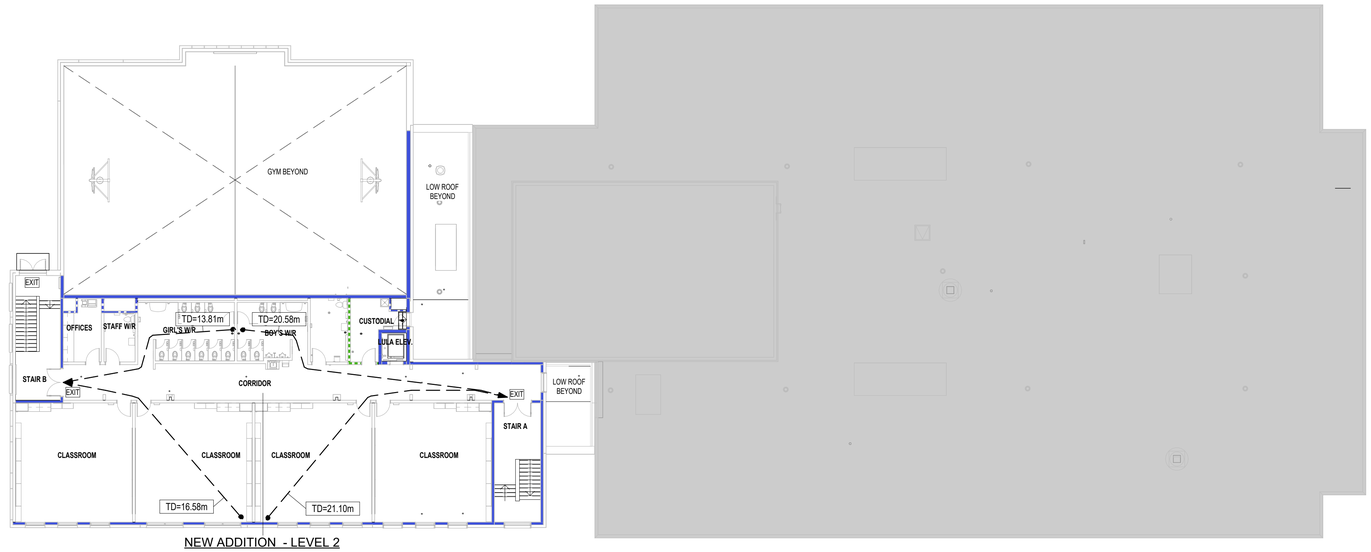
1.3 APPLICATIONS:

3.3.1. CUL SYSTEM #SP731 - METAL PIPING OR CONDUIT THRU GYPSUM WALL ASSEMBLY (F RATING UP TO 1hr OR 2hr)

3.3.2. CUL SYSTEM #SP697 - METAL PIPING OR CONDUIT THRU CONCRETE FLOOR ASSEMBLY (F RATING UP TO 3hrS)

3.3.3. CUL SYSTEM #WL5029 - INSULATED METAL PIPING THRU GYPSUM WALL ASSEMBLY (F RATING UP TO 1hr OR 2hr)

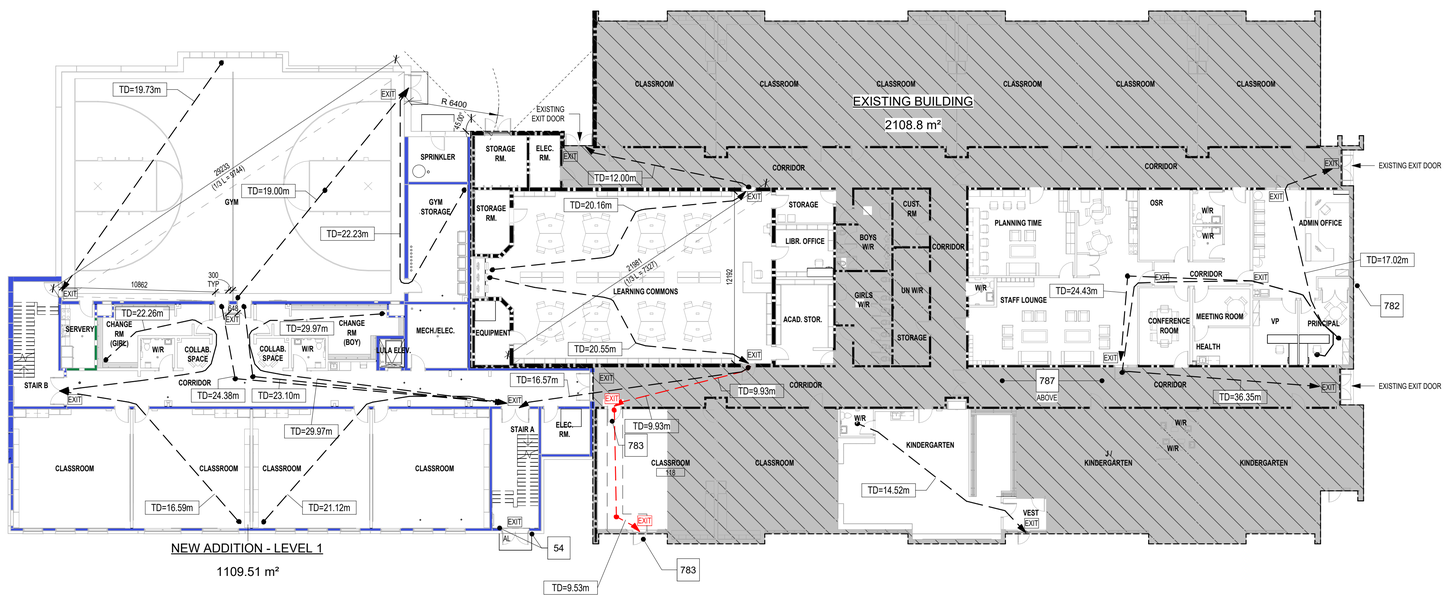
3.4. CONTRACTOR TO PROVIDE SHOP DRAWINGS WITH DETAILED MATERIAL INFORMATION INDICATING ULC OR CUL RATINGS AS WELL AS APPLICATION INSTRUCTIONS.



NEW ADDITION - LEVEL 2

590.25 m²

Level 2 - Project Complete Code Plan 2 A1.41 A0.21 1 : 200



NEW ADDITION - LEVEL 1

1109.51 m²

Project Complete Code Plan - Level 1 1 A1.40 A0.21 1 : 200

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mte85.com

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CODE PLAN LEGEND

- TD=XXX — #M TRAVEL DISTANCE
- TD=XXX — #M TRAVEL DISTANCE APPLICABLE DURING CONSTRUCTION ONLY REFER TO PHASING DIAGRAMS
- EXIT — EXIT SIGN
- EXIT — EXIT SIGN APPLICABLE DURING CONSTRUCTION ONLY REFER TO PHASING DIAGRAMS
- FEC — FIRE EXTINGUISHER CABINET
- FHC — FIRE HOSE CABINET
- SIAMESE CONNECTION
- EXISTING BUILDING / NO CHANGES

FIRE SEPARATIONS LEGEND

- 0 HR FIRE RESISTANCE RATING
- 1/2 HR FIRE RESISTANCE RATING
- 3/4 HR FIRE RESISTANCE RATING
- 1 HR FIRE RESISTANCE RATING
- 1-1/2 HR FIRE RESISTANCE RATING
- 2 HR FIRE RESISTANCE RATING

FIRE PROTECTED STRUCTURE LEGEND

- 1/2 HR FIRE RESISTANCE RATING
- 3/4 HR FIRE RESISTANCE RATING
- 1 HR FIRE RESISTANCE RATING
- 2 HR FIRE RESISTANCE RATING
- 2 HR FIRE RESISTANCE RATING

EXISTING(ASSUMED) FIRE SEPARATION LEGEND

NOTE: MAINTAIN + MAKE GOOD EXISTING (ASSUMED) FFR SEPARATIONS WHERE EXPOSED OR MODIFIED DURING CONSTRUCTION

- 0 HR FIRE RESISTANCE RATING
- 1 HR FIRE RESISTANCE RATING
- 2 HR FIRE RESISTANCE RATING

#	date:	revision:
11	2026.04.24	Issued For Tender
10	2026.04.23	Permit Revisions
9	2026.01.29	Permit/SPA Revisions
8	2025.12.17	Permit Revisions
7	2025.11.14	CoK Permit Comments
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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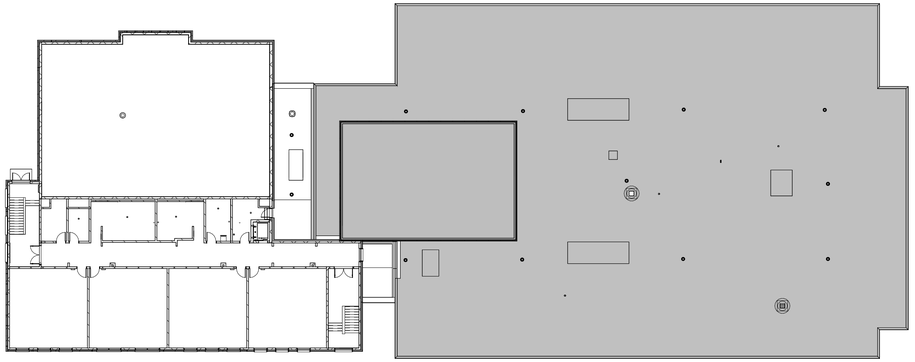
St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PROJECT CODE PLAN - LEVEL 1 & 2

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:04:18 PM
drawing number:	A0.21

NEW CONSTRUCTION PHASE 1

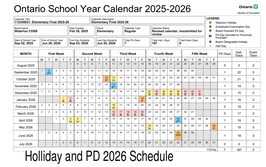


Phasing Diagram - Level 2 and Roof - Phase 1

6 | A1.41 | A0.40 | 1 : 300

DEMOLITION PHASE 1

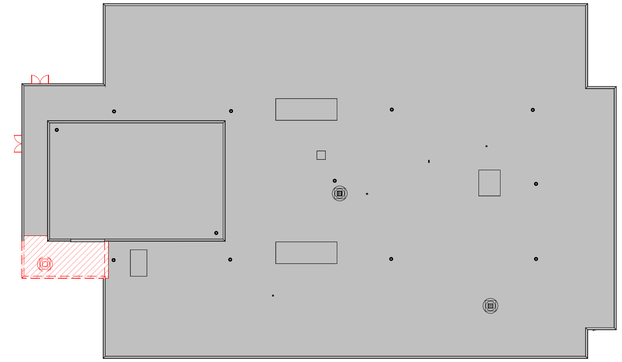
Ontario School Year Calendar 2025-2026



Holliday and PD 2026 Schedule

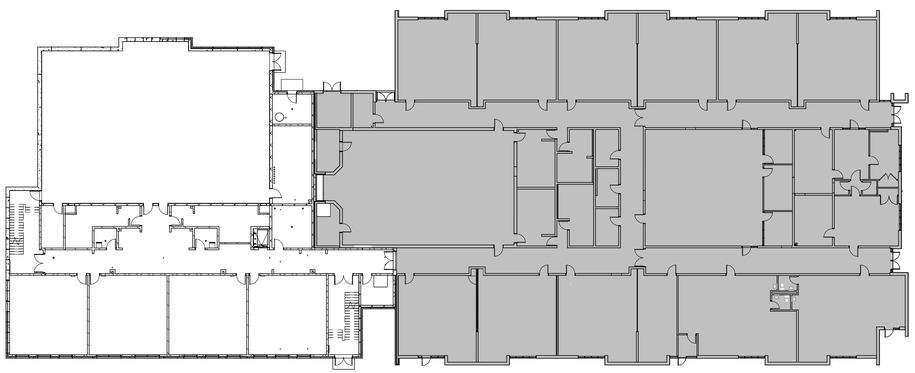
INTERIOR RENOVATION WORK NOTE:

1. ALL TEMPORARY EXITING (DOORS, PANIC HARDWARE, EXIT SIGNAGE, ETC.) TO BE IN PLACE PRIOR TO START OF PHASE 1; ANY MATERIALS REMOVED TO BE HELD AND SECURED BY GC UNTIL COMPLETION OF ADDITION AND REINSTATED BY GC WHEN REDUNDANT; UNSALVAGEABLE MATERIALS TO BE CARRIED FOR REPLACEMENT BY GC AS NECESSARY.
2. ALL INTERIOR RENOVATION IN THE EXISTING SCHOOL IS TO BE PERFORMED DURING THE SUMMER BREAK, AFTER HOURS, OR AT THE DISCRETION OF WCDSB AT NO ADDITIONAL CHARGE.
3. THE GENERAL CONTRACTOR SHALL DEVELOP AND IMPLEMENT A DETAILED PHASING PLAN THAT MAINTAINS SAFE, CONTINUOUS OPERATION OF THE EXISTING SCHOOL FACILITIES THROUGHOUT CONSTRUCTION, ENSURING ONGOING USE OF ALL OCCUPIED AREAS INCLUDING THE GYMNASIUM, LIBRARY, AND ADMINISTRATION SPACES TO BE RENOVATED.



Demolition Diagram - Roof - Phase 1

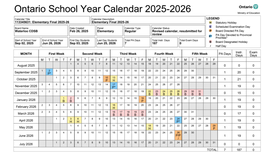
3 | A4.04 | A0.40 | 1 : 300



Proposed Framing Plan - Level 1 - Phase 1

5 | A1.40 | A0.40 | 1 : 300

Ontario School Year Calendar 2025-2026



Holliday and PD 2026 Schedule

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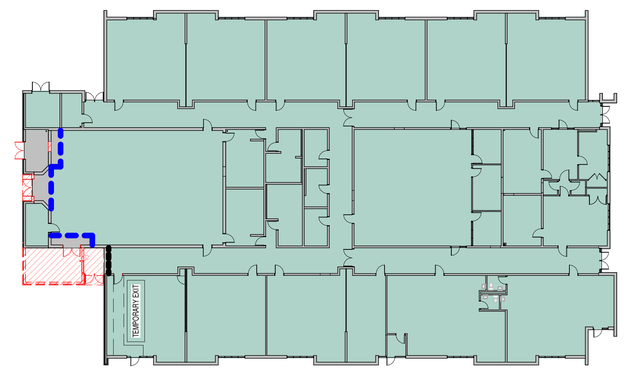
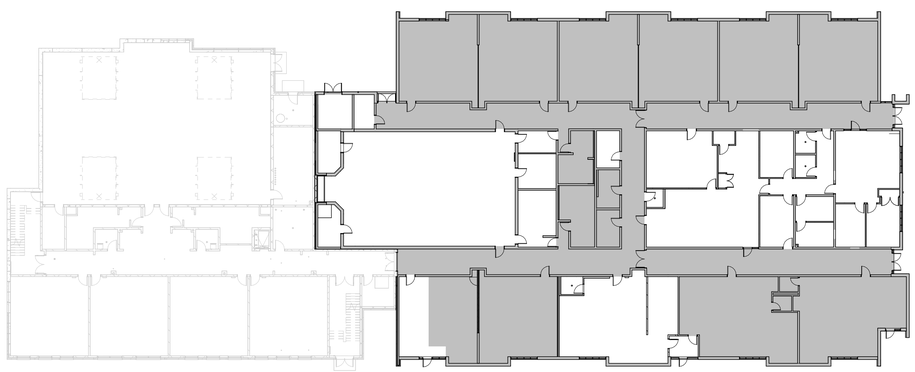


Demolition Plan - Leve 1 - Phase 1

2 | A1.40 | A0.40 | 1 : 300

NEW CONSTRUCTION PHASE 2 - (Summer 2027)



Proposed Framing Plan - Level 1 - Phase 2

4 | A1.40 | A0.40 | 1 : 300

DEMOLITION PHASE 2 - (Summer 2027)

INTERIOR RENOVATION WORK NOTE:

1. ALL TEMPORARY EXITING (DOORS, PANIC HARDWARE, EXIT SIGNAGE, ETC.) TO BE IN PLACE PRIOR TO START OF PHASE 1; ANY MATERIALS REMOVED TO BE HELD AND SECURED BY GC UNTIL COMPLETION OF ADDITION AND REINSTATED BY GC WHEN REDUNDANT; UNSALVAGEABLE MATERIALS TO BE CARRIED FOR REPLACEMENT BY GC AS NECESSARY.
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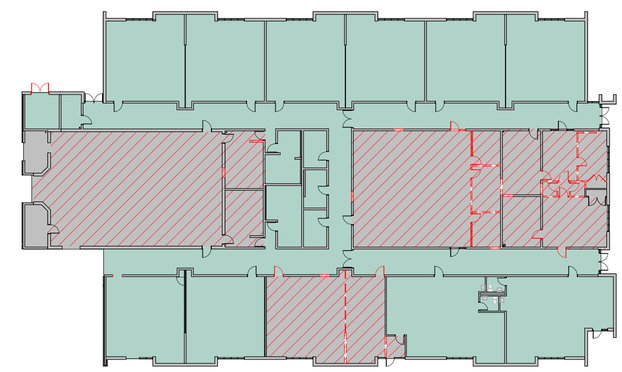

Demolition Plan - Leve 1 - Phase 2

1 | A1.40 | A0.40 | 1 : 300

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PHASING LEGEND:

- EXISTING CONSTRUCTION TO BE SELECTIVELY DEMOLISHED
- EXISTING CONSTRUCTION TO BE FULLY DEMOLISHED
- SCHOOL IN OPERATION IN DEMOLITION PHASE
- NEW CONSTRUCTION
- H9-1 | i — INTERIOR HOARDING WALL WITH DUST PROTECTION SHALL BE CONSTRUCTED PRIOR TO THE START OF PHASE 1 AND REMOVED UPON COMPLETION OF PHASE 1.
- H-1 | MSF — EXTERIOR 1HR FIRE-RATED HOARDING WALL WITH DUST PROTECTION SHALL BE CONSTRUCTED PRIOR TO THE START OF PHASE 1 AND REMOVED UPON COMPLETION OF PHASE 1.

#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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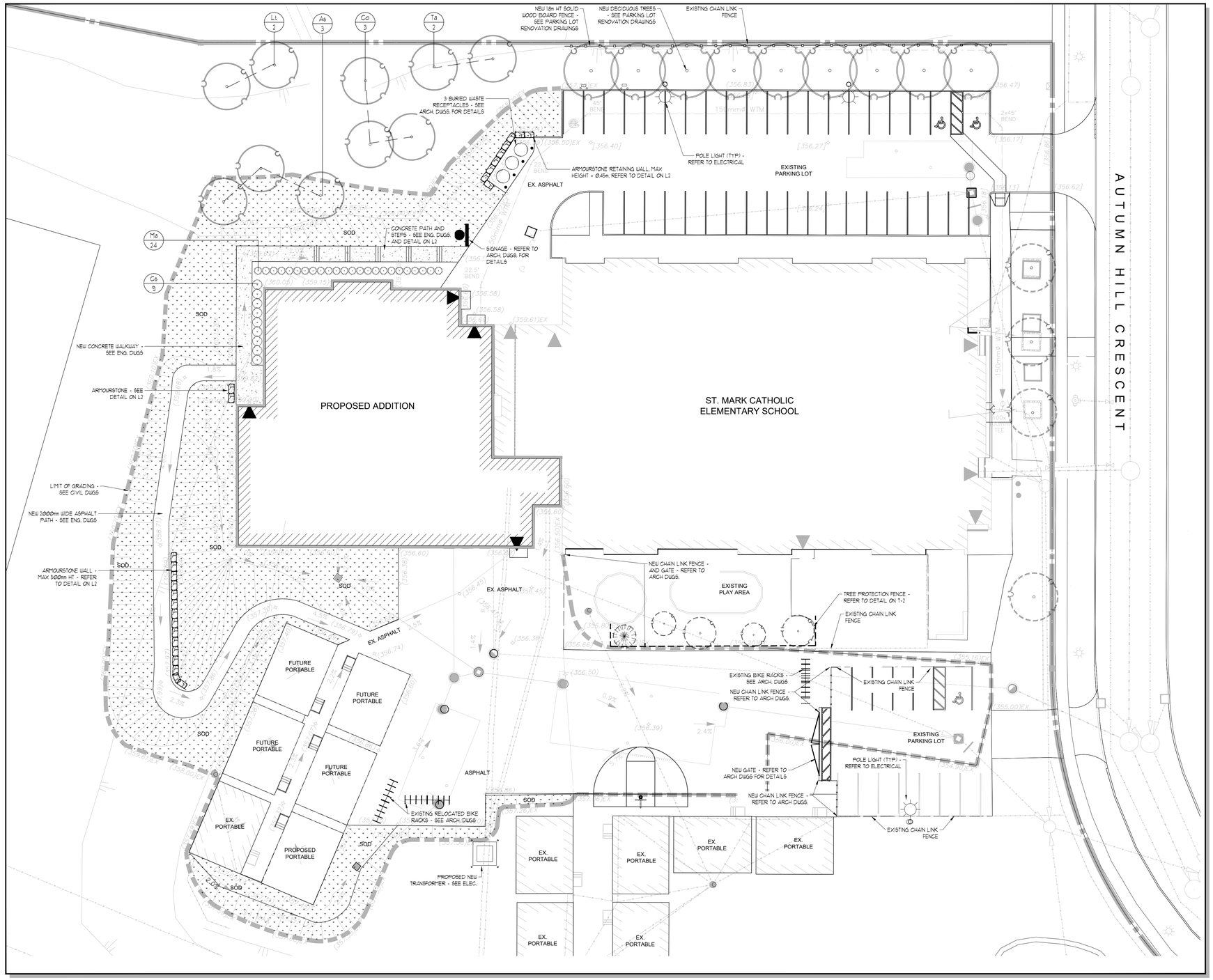
St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PHASING DIAGRAM

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-27 11:53:42 AM
drawing number:	**A0.40**



LANDSCAPE PLAN

SCALE = 1:250

LEGEND

- EXISTING DECIDUOUS TREES TO REMAIN
- TREE PROTECTION BARRIER
- PROPOSED DECIDUOUS TREES
- PROPOSED PLANTINGS
- PLANT KEYS - SEE PLANT MATERIALS LIST
- PROPOSED ARMOURSTONE SEE DETAIL
- PROPOSED 1.5m WOOD FENCE - SEE DETAIL

PLANT MATERIAL

KEY	COMMON NAME	BOTANICAL NAME	QTY	SIZE	COND
As	SUGAR MAPLE	Acer saccharum	3	6.0mmcal	WB
Co	HACKBERRY TREE	Celtis occidentalis	3	6.0mmcal	WB
Cs	RED OSIER DOGWOOD	Cornus sericea	9	6.0cm	POT
Lt	TULIP TREE	Liriodendron tulipifera	2	6.0mmcal	WB
Ma	OREGON GRAPE-HOLLY	Mahonia aquifolium	24	2gal	POT
Ta	BASSWOOD	Tilia americana	2	6.0mmcal	WB

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#	date:	revision:	by:
9.	2026-04-10	ISSUED FOR TENDER	JSM
8.	2026-02-24	ISSUED FOR SPA REVISIONS	JSM
7.	2026-02-02	ISSUED FOR SPA REVISIONS	JSM
6.	2026-01-09	ISSUED FOR SPA REVISIONS	JSM
5.	2025-09-05	ISSUED FOR PERMIT & STAMP PLAN A	JSM
4.	2025-08-08	ISSUED FOR 80% REVIEW	JSM
3.	2025-07-21	ISSUED FOR REVIEW	JSM
2.	2025-07-11	ISSUED FOR 70% REVIEW	JSM
1.	2025-06-12	ISSUED FOR COORDINATION	JSM

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
RONALD H. KOUDYS
OALA
MEMBER

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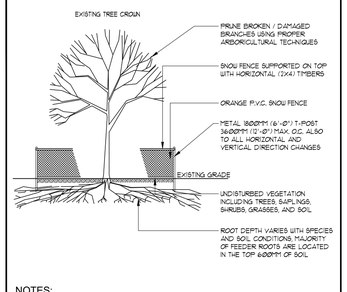
St. Mark CES Renovations

240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

LANDSCAPE PLAN

PN TN

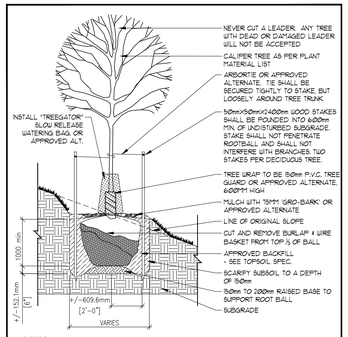
scale:	AS NOTED
drawn by:	JSM
reviewed by:	RHK
job number:	24-035 (RKLA 25-147 Lo)
plot date:	2026-04-10
drawing number:	L1



NOTES:

1. EXISTING TREES ARE TO BE PROTECTED FROM CONSTRUCTION WITH THE INSTALLATION OF A 1200mm (4'-0") HIGH SNOW FENCE, HELD IN PLACE WITH 1800mm (6'-0") T-BAR.
2. THE BARRIER IS TO BE INSTALLED PRIOR TO ANY CONSTRUCTION AND MUST REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETED.
3. ALL SUPPORTS AND BRACING SHOULD BE INSIDE THE TREE PROTECTION ZONE. ALL SUCH SUPPORTS SHOULD MINIMIZE DAMAGING ROOTS IN THE TREE PROTECTION ZONE.
4. NO CONSTRUCTION ACTIVITY, GRADE CHANGES, SURFACE TREATMENT, OR EXCAVATION OF ANY KIND IS PERMITTED WITHIN THE TREE PROTECTION ZONE.
5. NO MOVEMENT OF EQUIPMENT, STORAGE OF CLEANING OR EQUIPMENT, OR DUMPING OF SOLVENTS, GASOLINE, ETC. MAY OCCUR WITHIN THIS FENCE LINE.
6. DO NOT PLACE DEPOSITION OR CONSTRUCTION MATERIALS UNDER TREE CANOPY.
7. WHERE HIGH QUALITY SPECIMENS OCCUR ADJACENT TO AREAS SUBJECTED TO INTENSIVE CONSTRUCTION ACTIVITY, WOODEN CRIBBING SHOULD BE INSTALLED TO PROTECT TRUNKS FROM DAMAGE IN THE EVENT THAT HEAVY EQUIPMENT BREAKS DOWN THE SNOW FENCING.
8. FENCE TO BE INSPECTED BY ENVIRONMENTAL CONSULTANT ON A REGULAR BASIS AND BE MAINTAINED BY THE SUBDIVIDER / BUILDER.

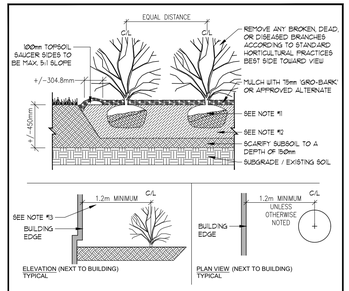
TEMP. TREE PROTECTION BARRIER - N.T.S.



NOTES:

1. CONTRACTOR TO REFER TO ALL SPECIFICATIONS.
2. ALL PLANTS TO CONFORM TO CNLA - CANADIAN STANDARDS FOR NURSERY STOCK.
3. GIVE LANDSCAPE ARCHITECT 48 HOURS NOTICE PRIOR TO INSTALLATION TO INSPECT PLANT MATERIAL AND PIT PREPARATION - SEE GENERAL SPECIFICATIONS.
4. DO NOT ALLOW AIR POCKETS WHEN BACKFILLING.
5. TREE PIT SIZE TO BE 1%% 500mm WIDER ALL AROUND THAN ROOT BALL.
6. TREE SHALL BEAR SAME RELATION TO GRADE AS IT BORE TO ITS PREVIOUS EXISTING GRADE. PLANT TREE 50 - 100mm ABOVE DESIRED GRADE TO ALLOW FOR SOME SETTLING.
7. DO NOT DAMAGE MAIN ROOTS WHEN INSTALLING STAKES.
8. TREES UNDER 70mm CALIPER REQUIRE TWO STAKES. TREES 70mm CALIPER AND GREATER REQUIRE THREE STAKES. REMOVE STAKES AFTER 2 YEARS.
9. NO TREE PIT SHALL BE LEFT OPEN OVERNIGHT.
10. THE ABOVE DOES NOT REPRESENT ANY PARTICULAR SPECIES.
11. ALL DIMENSIONS SHOWN IN MILLIMETERS.
12. INSTALL 75mm OF APPROVED MULCH.

DECIDUOUS TREE SLOPE PLANTING DETAIL - N.T.S.



NOTES:

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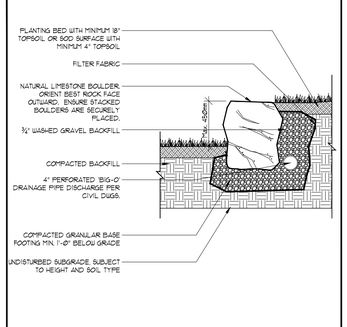
2. ALL PLANTS TO CONFORM TO CNLA - CANADIAN STANDARDS FOR NURSERY STOCK.
3. GIVE LANDSCAPE ARCHITECT 48 HOURS NOTICE PRIOR TO INSTALLATION TO INSPECT PLANT MATERIAL AND PIT PREPARATION - SEE GENERAL SPECIFICATIONS.
4. DO NOT ALLOW AIR POCKETS WHEN BACKFILLING.
5. POSITION CROWN OF ROOT BALL 50MM ABOVE FINISHED GRADE TO ALLOW FOR SETTLING.
6. PLANTING METHOD ILLUSTRATED SHALL APPLY TO BARE ROOT STOCK AND BALLED STOCK.
7. SHRUBS PLANTED IN GROUPS SHALL BE SET IN CONTINUOUS BED.
8. THE ABOVE DETAIL DOES NOT REPRESENT ANY PARTICULAR SPECIES.
9. ALL DIMENSIONS SHOWN IN MILLIMETERS.
10. INSTALL 75MM OF APPROVED MULCH.
11. PEEL BACK TOP 1/3 OF BURLAP. DO NOT REMOVE CUT AND REMOVE ALL ROPE FROM TOP HALF OF ROOT BALL. (B&B PLANT MATERIALS) REMOVE PLANTS FROM PLASTIC CONTAINERS (CONTAINER GROWN MATERIALS)
12. PREPARED TOPSOIL TO BE 50% NATIVE TOPSOIL FREE OF STONES LUMPS OF CLAY GREATER THAN 25mm (1INCH) AND ALL ROOTS OR OTHER EXTRANEOUS MATERIAL. AMEND WITH 50% TRIPLE MIX. MAX. 1/3 OF PLANTING BED DEPTH MAY BE ABOVE GRADE WHERE SOILS ARE HEAVILY COMPACTED TOPSOIL TO BE PLACED TO MINIMIZE SETTLEMENT.
13. ALL SHRUBS TO BE PLANTED A MINIMUM OF 1m ON CENTER AWAY FROM ALL BUILDING EDGES UNLESS OTHERWISE NOTED.

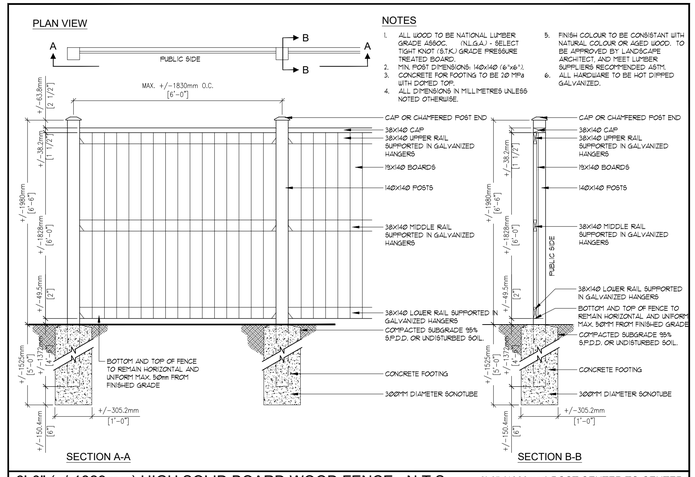
SHRUB PLANTING DETAIL - N.T.S.



NOTES:

1. CONTRACTOR TO REFER TO ALL SPECIFICATIONS.
2. CONTRACTOR TO SUPPLY AND INSTALL LARGE 'LIMESTONE ARMOUR STONE' OR APPROVED ALTERNATE.
3. LANDSCAPE BOULDERS AS INDICATED ON PLANS ARE SCHEMATIC ONLY. EXACT PLACEMENT TO BE COMPLETED UNDER THE DIRECT SUPERVISION OF THE LANDSCAPE ARCHITECT.
4. BOULDERS ARE TO BE THE FOLLOWING SIZES:
   80% - 1200 X 600 X 600
   20% - 600X 600 X 600
5. BOULDERS ARE TO BE BURIED ⅓ BELOW GRADE AND BACKFILLED IN 150mm LIFTS.
6. CONTRACTOR TO INSTALL LANDSCAPE FABRIC (FILTER FABRIC) BEHIND BOULDERS, TYP.

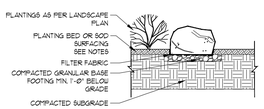
ARMOURSTONE WALL DETAIL - N.T.S.



NOTES

1. ALL WOOD TO BE NATIONAL LUMBER GRADE ASSOC. (NLGA) - SELECT TIGHT KNOT (S.T.K.) GRADE PRESSURE TREATED BOARD.
2. MIN. POST DIMENSIONS: 140X140 (6"x6").
3. CONCRETE FOR FOOTING TO BE 20 MPa WITH DOMED TOP.
4. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
5. FINISH COLOUR TO BE CONSISTANT WITH NATURAL COLOUR OR AGED WOOD. TO BE APPROVED BY LANDSCAPE ARCHITECT, AND MEET LUMBER SUPPLIERS RECOMMENDED ASTM.
6. ALL HARDWARE TO BE HOT DIPPED GALVANIZED.

6'-0" (+/-1829mm) HIGH SOLID BOARD WOOD FENCE - N.T.S. 6'-0" (1829mm) POST CENTER TO CENTER

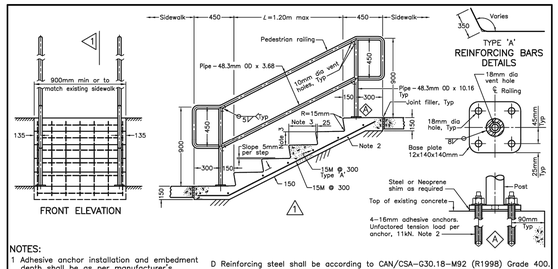


TYPICAL SECTION LAYOUT

NOTES:

1. CONTRACTOR TO REFER TO ALL SPECIFICATIONS.
2. CONTRACTOR TO SUPPLY AND INSTALL LARGE 'LIMESTONE ARMOURSTONE' OR APPROVED ALTERNATE.
3. LANDSCAPE BOULDERS AS INDICATED ON PLANS ARE SCHEMATIC ONLY. EXACT PLACEMENT TO BE COMPLETED UNDER THE DIRECT SUPERVISION OF THE LANDSCAPE ARCHITECT.
4. BOULDERS ARE TO BE THE FOLLOWING SIZES:
   80% - 1200 X 450 X 600
   20% - 450X 450 X 300
5. BOULDERS ARE TO BE BURIED ⅓ BELOW GRADE AND BACKFILLED IN 150mm LIFTS.
6. CONTRACTOR TO INSTALL LANDSCAPE FABRIC (FILTER FABRIC) UNDERNEATH BOULDERS, TYP.

ARMOURSTONE DETAIL - N.T.S.



NOTES:

1 Adhesive anchor installation and embedment depth shall be as per manufacturer's requirements. The embedment depth shall not be greater than 80% of concrete thickness.
2 Concrete cover to reinforcing steel 70±10mm.
3 Steps shall have a uniform run of not less than 250mm but not more than 355mm, and a uniform rise of not less than 125mm but not more than 200mm.
A Number of steps as specified.
B The difference in elevation between the adjacent ground level and steps shall not exceed 600mm.
C Class of concrete to be 30MPa.
D Reinforcing steel shall be according to CAN/CSA-G30.18-M92 (R1998) Grade 400.
E Threaded rod for adhesive anchors shall be equivalent to ASTM A325.
F Pipe shall be according to ASTM Specification A53 Grade 'B'.
G Steel plate shall be according to CSA G40.20/G40.21-98 Grade 300W.
H All pedestrian railing components to be hot dip galvanized after fabrication in conformance with CAN/CSA-G164-M92 (R1998).
I All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2000	Rev 0
CONCRETE STEPS SLAB ON GRADE		OPSD – 512.011

CONCRETE STEPS N.T.S.

GENERAL PLANTING SPECIFICATIONS:

1. BASE INFORMATION SUPPLIED BY G ARCHITECTS.
2. ENGINEERING INFORMATION SUPPLIED BY MTE.
3. CONTRACTOR TO MAKE THEMSELVES FAMILIAR WITH ALL RELATED SPECIFICATIONS.
4. CONTRACTORS ARE RESPONSIBLE FOR REVIEW OF ALL SPECIFICATIONS AND RELATED DRAWINGS WITH SELECTED SUB-CONTRACTORS AS THEY PERTAIN TO WORK AS OUTLINED ON LANDSCAPE ARCHITECTURAL WORKING DRAWINGS AND SPECIFICATIONS.
5. REPORT ALL DISCREPANCIES TO THE LANDSCAPE ARCHITECT DURING TENDERING PROCESS. ERRORS AND/OR OMISSIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. CONTRACTOR SHALL MAINTAIN ALL LANDSCAPED AREAS UNTIL OWNER ACCEPTANCE OF PROJECT. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT IN WRITING ON COMPLETION OF PROJECT FOR A SITE WORK COMPLETION CERTIFICATE AS WELL AS THE COMMENCEMENT OF THE ACCEPTANCE OF PROJECT.
7. ALL WORKMANSHIP TO BE WARRANTED FOR ONE YEAR UNLESS OTHERWISE STATED. WARRANTY PERIOD WILL BEGIN ON FINAL ACCEPTANCE OF PROJECT.
8. ALL WORKMANSHIP TO COMPLY WITH THE CANADIAN LANDSCAPE STANDARDS.
9. ALL NURSERY STOCK TO BE # NURSERY GROWN AND MUST COMPLY WITH THE CANADIAN NURSERY LANDSCAPE ASSOCIATION'S 'CANADIAN NURSERY STOCK STANDARD', LATEST EDITION.
10. ALL LANDSCAPING IS TO BE INSTALLED PRIOR TO THE END OF THE FIRST GROWING SEASON FOLLOWING THE OCCUPANCY OF THE SITE DEVELOPMENT UNLESS OTHERWISE STATED.
11. CONTRACTOR IS RESPONSIBLE FOR ALL UNDERGROUND UTILITIES AND MUST SUPPLY THE LANDSCAPE ARCHITECT WITH COPIES OF LOCATE CERTIFICATES PRIOR TO COMMENCEMENT OF WORK.

GRADING

1. CONTRACTOR TO ENSURE POSITIVE DRAINAGE IN ALL AREAS.
2. ALL GRADING TO BE IN ACCORDANCE WITH SITE ENGINEERS DRAWINGS.
3. SOIL SHALL BE SCARIFIED FREE OF ALL STONES, ROOTS, BRANCHES LARGER THAN 1" (25MM) AND COMPACTED TO 95% S.P.D.
4. ALL SUBSOIL TO BE SCARIFIED TO A DEPTH OF 6" (150 MM) PRIOR TO THE INSTALLATION OF TOPSOIL TO ENSURE NO HARDPAN CONDITIONS.
5. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF TOPSOIL TO APPROVE SUBGRADE.
6. DIRECT ALL RAINLEADERS AND SUMP LEADERS AWAY FROM PLANTING BEDS AND TO THE DESIGNATED SWALES.
7. NOTIFY LANDSCAPE ARCHITECT IN WRITING OF ANY SUBSTANTIAL WET CONDITIONS.

TOPSOIL

1. AT THE CONTRACTORS EXPENSE A SOIL TEST IS TO BE COMPLETED BY A REPUTABLE LABORATORY. THE SOIL TEST IS TO BE COMPLETED AND IF NECESSARY, RECOMMENDATIONS FROM THE LABORATORY ARE TO BE INCLUDED. THE RESULTS OF SOIL TESTS AND RECOMMENDATIONS ARE TO BE PROVIDED TO THE LANDSCAPE ARCHITECT FOR APPROVAL ONE WEEK PRIOR TO WORK COMMENCING.
2. TOPSOIL FOR PLANTING BEDS IS TO BE A FERTILE, FRIABLE, NATURAL LOAM TO A MINIMUM DEPTH OF 18" (450MM) AND A MINIMUM DEPTH OF 4" (100MM) FOR TURF AREAS - UNLESS OTHERWISE STATED - TOPSOIL SHALL CONTAIN NOT LESS THAN 4% ORGANIC MATTER FOR CLAY LOAMS AND NOT LESS THAN 2% ORGANIC MATTER FOR SANDY LOAM TO A MAXIMUM OF 15%, AND CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH FREE OF SUBSOIL CONTAMINATION, ROOTS AND STONES OVER 50MM DIAMETER, REASONABLY FREE OF WEEDS, AS DETERMINED BY THE LANDSCAPE ARCHITECT , AND HAVING A pH RANGING FROM 6.0 TO 7.0.
3. IF TOPSOIL IS TO BE STOCKPILED FOR USE ON SITE DEVELOPMENT, AVOID MIXING TOPSOIL WITH SUBSOIL. LIMIT HEIGHT OF STOCKPILE TO 3M TO RETAIN SOIL MICROORGANISMS AND SOIL VIABILITY AND FERTILITY.
4. IF APPLICABLE, ALL WORK IN ANY ROAD ALLOWANCE SHALL MEET THE MINIMUM SPECIFICATIONS OF THE MUNICIPALITY. ENSURE A MINIMUM OF 100MM TOPSOIL IS INSTALLED IN BOULEVARDS.
5. PROTECT THE MUNICIPALITY OWNED ROAD ALLOWANCE(S)/BOULEVARD(S) FROM COMPACTION OR SOIL CONTAMINATION.

MULCH

1. ALL TREEPITS, SHRUB PITS AND PLANTING AREAS ARE TO BE MULCHED UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO INSTALL 3" (75MM) OF GRO-BARK MEDIUM MULCH IN ALL AREAS.
3. ALTERNATIVES MAY BE ACCEPTED - CONTRACTOR TO PROVIDE 3 SAMPLES FOR WRITTEN APPROVAL TO THE LANDSCAPE ARCHITECT.

PLANT MATERIALS

1. CONTRACTOR TO VERIFY ALL PLANT MATERIAL ON DRAWING(S) AND PLANT MATERIAL LIST(S). REPORT ALL DISCREPANCIES AT TENDERING PROCESS.
2. SUBSTITUTIONS WILL NOT BE ACCEPTED WITHOUT WRITTEN CONFIRMATION BY THE LANDSCAPE ARCHITECT.
3. PLANTINGS MAY BE ADJUSTED TO SUIT UTILITIES STRUCTURES AND AESTHETIC CONCERNS. ADJUSTMENTS ARE TO BE MADE UNDER THE DIRECTION OF THE LANDSCAPE ARCHITECT. ADJUSTMENTS TO PLANTING WITHOUT CONSENT OF LANDSCAPE ARCHITECT AND OR PROJECT MANAGER MAY NOT MEET INTENT OF DESIGN AND OR MUNICIPAL APPROVALS, PLANT MATERIAL THAT HAS TO BE RELOCATED AS A RESULT WILL BE AT THE COST OF THE CONTRACTOR.
4. LANDSCAPE ARCHITECT TO INSPECT ALL PLANT MATERIAL ON SITE OR AT ITS SOURCE PRIOR TO INSTALLATION. CONTRACTOR IS TO GIVE LANDSCAPE ARCHITECT 48 (HRS) NOTICE FOR INSPECTION. CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT IN WRITING IF ADVERSE WEATHER MAY IMPACT THE HEALTH OF THE PLANT MATERIALS AT TIME OF PLANTING. IE. TEMPERATURE, PRECIPITATION.
5. ALL TREE PITS SHALL BE AT LEAST 2 FT. (600MM) WIDER THAN BALL OF THE TREE TO BE PLANTED AND SHALL BE DEEP ENOUGH SO THAT THE TOP OF BALL IS AT THE SAME LEVEL AS SURROUNDING GRADE. A MINIMUM OF 6" (150MM) OF BACKFILL SHALL BE PLACED UNDER BALL. TREE PITS ARE NOT TO BE LEFT OPEN OVER NIGHT.
6. SHRUB BEDS SHALL BE EXCAVATED TO A DEPTH OF 18" (450MM) AND FILLED WITH APPROVED BACKFILL MATERIAL. SHRUB BEDS ARE NOT TO BE LEFT OPEN OVER NIGHT.
7. ALL TREES SHALL HAVE AN EARTH SAUCER AT ITS BASE WITH A DIAMETER AS LARGE AS EXCAVATED AREA AND SHAPED TO RETAIN WATER (SEE DETAIL.) EARTH SAUCER TO HAVE APPROVED MULCH INSTALLED TO A MINIMUM DEPTH OR 25" (630MM).
8. ALL BURLAP SHALL BE CUT AND BURIED BELOW SURFACE DURING PLANTING.
9. ALL EVERGREENS ARE TO UNWRAPPED THE FIRST WINTER AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR.
10. ALL SHRUBS PLANTED WITHIN 1m OF SALTED ROADWAYS, PARKING AND SIDEWALKS TO BE PROTECTED WITH SILT FENCING THROUGHOUT THE FIRST WINTER AFTER INSTALLATION AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR. (OPTIONAL)
11. DIRECT ALL RAINLEADERS AND SUMP LEADERS AWAY FROM PLANTING BEDS AND TO DESIGNATED DRAINAGE SWALES.
12. DO NOT INSTALL PLANT MATERIAL IN DRAINAGE SWALES.
13. CONTRACTOR IS TO REMOVE ALL STAKES AND GUY WIRES AFTER 2 FULL GROWING SEASONS.

SOD

1. ALL LANDSCAPED AREAS TO BE SODDED TO THE STREET CURB (S) UNLESS OTHERWISE STATED.
2. CONTRACTOR TO ENSURE (WHERE APPLICABLE) ALL PLANTING BEDS ADJACENT TO TRAFFIC ISLANDS, INTERIOR SITE CURBING AND SIDEWALKS HAVE A 3'0"(12M) SOD MAINTENANCE STRIP INSTALLED.
3. ANY SODDING OR WORKS ON LANDS ABUTTING THE PROPERTY FROM THE LOTLINES TO SIDEWALK AND CURBING, SHALL BE COMPLETED OR REPAIRED TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT, CITY AND OR REGIONAL MUNICIPALITY UNLESS OTHERWISE STATED.
4. SOD SHALL BE CERTIFIED # 1 CULTIVATED TURF GRASS, GROWN AND SOLD IN ACCORDANCE WITH THE CLASSIFICATIONS OF THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO. AT TIME OF SALE IT SHALL HAVE A STRONG FIBROUS ROOT SYSTEM AND SHALL BE CUT IN PIECES APPROXIMATELY ONE SQ.YD (900 M2) IN AREA WITH THE SOIL PORTION BEING 3/4" IN(19MM).
5. SOD TO BE FERTILIZED AT THE APPROPRIATE RATES AS INDICATED BY SOIL TESTS COMPLETED BY A REPUTABLE SOILS LABORATORY.
6. UPON INSTALLATION AREAS SHOULD BE WATERED SO AS TO SATURATE SOD AND THE UPPER 4" (100MM) OF BACKFILL TOPSOIL. AFTER SOD AND SOIL HAVE DRIED SUFFICIENTLY TO PREVENT DAMAGE, IT SHALL BE ROLLED WITH A ROLLER PROVIDING 1500 LBS. (680KG) PRESSURE PER SQFT.
7. CONTRACTOR TO REPAIR ALL DAMAGED AREAS TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND OR CLIENT.

WATERING

1. DURING THE WARRANTY PERIOD, BETWEEN MAY 15 AND SEPTEMBER 15 OF EACH YEAR, WATERING OF ALL PLANTS SHALL BE CARRIED OUT NO LESS THAN 6 TIMES PER YEAR, IN ACCORDANCE WITH THE WATERING SCHEDULE TO BE DETERMINED BY THE OWNER UNLESS OTHERWISE STATED ON THE DRAWINGS. CRITICAL WATERING MONTHS ARE JUNE, JULY & AUGUST.
2. IF NO AUTOMATED IRRIGATION SYSTEM HAS BEEN PROVIDED FOR WATERING OPERATIONS, CONTRACTOR TO PROVIDE WATER TO THE SITE # HOSE BIBS WITHIN THE BUILDING ENVELOPE ARE NOT AVAILABLE.
3. MANUAL WATERING SHOULD ENSURE DEEP WATERING OF TREES, SHRUBS, GROUND COVERS AND GRASSED AREAS. WATERING OF GRASSED AREAS TO COMMENCE ON A REGULAR BASIS AND CONTINUE WITH INTENSITY DEPENDING ON AMOUNT OF RAINFALL. NEW SOD THAT HAS BEEN LAID SHOULD BE KEPT MOIST FOR 4 TO 5 WEEKS OR UNTIL IT HAS FIRMLY ROOTED INTO THE EXISTING SOIL.
4. ALL CONIFEROUS TREES SHALL BE WATERED IN LATE FALL, JUST PRIOR TO FREEZE-UP.
5. WATER SHALL BE APPLIED SO THAT THE WASHING OF THE SOIL OR DISLODGING OF MULCH OR TREE GUARDS DOES NOT OCCUR. DAMAGE SHALL BE IMMEDIATELY REPAIRED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.

DECORATIVE ROCKERY STONE

1. CONTRACTOR TO SUPPLY AND INSTALL LARGE 'LIMESTONE ARMOR STONE' OR APPROVED ALTERNATE. LANDSCAPE BOULDERS AS INDICATED ON PLANS ARE SCHEMATIC ONLY - EXACT PLACEMENT TO BE COMPLETED UNDER THE DIRECT SUPERVISION OF THE LANDSCAPE ARCHITECT. BOULDERS ARE TO BE OF THE FOLLOWING SIZING:
   80 % - 1000 X 600 X 600
   20 % - 600 X 600 X 600
2. ROCKS ARE TO BE BURIED 1/3 BELOW GRADE AND BACKFILLED IN 150 MM LIFTS. CONTRACTOR TO INSTALL LANDSCAPE FABRIC BEHIND BOULDERS. TYPICAL.

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#	date:	revision:	b
9.	2026-04-10	ISSUED FOR TENDER	JSM
8.	2026-02-24	ISSUED FOR SPA REVISIONS	JSM
7.	2026-02-02	ISSUED FOR SPA REVISIONS	JSM
6.	2026-01-09	ISSUED FOR SPA REVISIONS	JSM
5.	2025-09-05	ISSUED FOR PERMIT & STAMP PLAN A	JSM
4.	2025-08-08	ISSUED FOR 80% REVIEW	JSM
3.	2025-07-21	ISSUED FOR REVIEW	JSM
2.	2025-07-11	ISSUED FOR 70% REVIEW	JSM
1.	2025-06-12	ISSUED FOR COORDINATION	JSM

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
RONALD H. KOUDYS
OALA MEMBER

All drawing and specifications are the property of the Architect. The Contractor shall verify all dimensions and information on site and report any discrepancy to Architect before proceeding.

St. Mark CES Renovations

240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

LANDSCAPE DETAILS

scale:	AS NOTED
drawn by:	JSM
reviewed by:	RHK
job number:	24-035 (RKLA 25-147 Lo)
plot date:	2026-04-10
drawing number:	L2

Site Statistics

Address: 240 Autumn Hill Crescent, Kitchener, ON N2N 1K8
Zoning: **INS-1 - Institutional (School, Elementary)**

ZONING	REQUIRED/ALLOWED	EXISTING/PROVIDED
MINIMUM LOT WIDTH	15.00 m	Existing
MINIMUM FRONT YARD SETBACK	6.00 m	Existing
MINIMUM EXTERIOR SIDE YARD SETBACK	6.00 m	n/a
MINIMUM INTERIOR SIDE YARD SETBACK	3.00 m	29.84m (Right Side) / 59.63m (Left Side)
MINIMUM REAR SIDE YARD SETBACK	7.50 m	95.87m
MINIMUM YARD SETBACK ABUTTING A LOT WITH A LOW RISE RESIDENTIAL ZONE	7.50 m	29.84m (Right Side) / 59.63m (Left Side)
MAXIMUM BUILDING HEIGHT	14.00 m	8.59m
MAXIMUM FLOOR SPACE RATIO	1.00 m (3)	n/a
MINIMUM LANDSCAPED OPEN SPACE	20.00 %	> 20.00 %
PARKING SPACES	Minimum 1 parking space per: 100m² GFA, including portables = 47 parking spaces Maximum 1 parking space per: 75 m² GFA, including portables = 63 parking spaces	Existing = 41 parking spaces New = 11 parking spaces Total = 52 parking spaces
BARRIER-FREE PARKING SPACES	Number of parking spaces required (13-100) = 4% of total required parking spaces = 3 parking spaces (1 Type A, 2 Type B)	Existing = Total = 3 parking spaces
BICYCLE PARKING SPACES	Class A: Minimum 1 space per 1,000m² GFA = 5 stalls Class B: Minimum 1 space per 100m² GFA = 47 stalls	5 Class A bicycle parking spaces Existing = 48 Class B spaces Total = 5 Class A parking spaces, 48 Class B

Site Legend

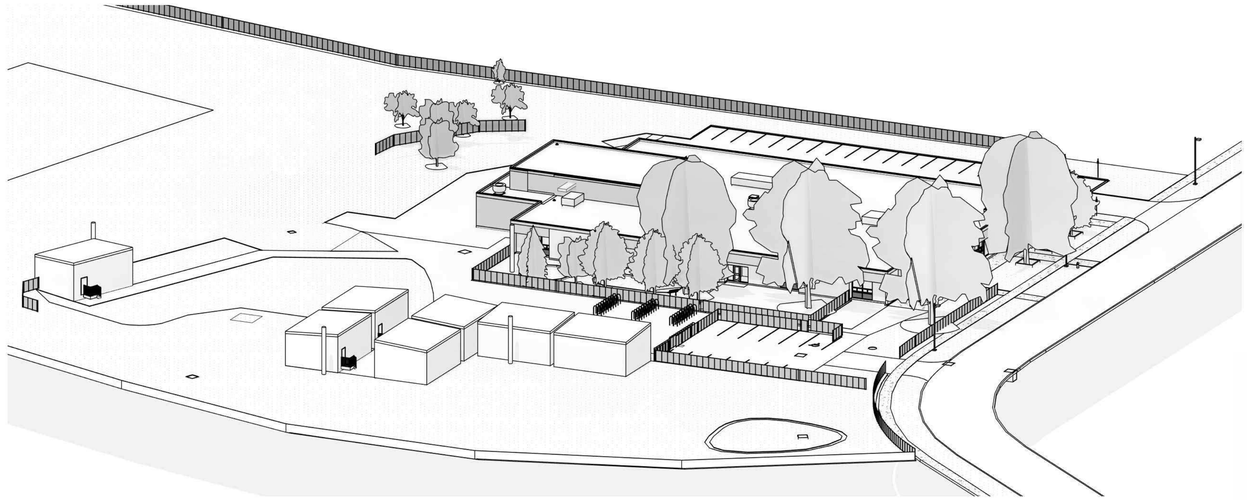
Sym.	Site Element Description	Sym.	Site Element Description
E	EXISTING SITE LIGHTING FIXTURE NEW SITE LIGHTING FIXTURE	xx	NEW PARKING SPACE
	TRAFFIC DIRECTION INDICATORS (PAINTED)		EXISTING TREE TO REMAIN
	EXISTING BUILDING		NEW TREE (REFER TO LANDSCAPE)
	EXISTING ASPHALT TO BE REMOVED AND REPLACED		EXISTING TREE TO BE RELOCATED
	NEW LANDSCAPED AREA	FH	FIRE HYDRANT
	NEW CONCRETE SIDEWALK	C.B.	CATCH BASIN
EBF	EXISTING BARRIER FREE STALL SIGNAGE	P.B.E.	PRINCIPAL BARRIER-FREE / FIRE FIGHTERS ENTRANCE
BF	BARRIER FREE STALL SIGNAGE c/w HEAVY-DUTY FLEXIBLE SIGN SYSTEMS	EXIT	BUILDING EXIT
FR	FIRE ROUTE SIGNAGE		EXISTING FIRE TRUCK ROUTE
MA	MAINTENANCE ACCESS ONLY SIGNAGE	FDC.	SIAMESE CONNECTIONS / FIRE DEPARTMENT CONNECTION
EV	EV PARKING SIGNAGE		THERMOPLASTIC INLAY PATH (SEE LANDSCAPE)
	EXISTING CONCRETE SIDEWALK TO BE DEMOLISHED (REFER TO CIVIL)		EXISTING FIRE TRUCK AND GARBAGE TRUCK ROUTE
	DASHED LINES INDICATE VISIBILITY TRIANGLE	SPA	SNOW PILE STORAGE AREA
	EXISTING METAL CHAIN LINK FENCE		EXISTING STEEL FENCE
	NEW METAL CHAIN LINK FENCE		EXISTING BOARD FENCE
	EXISTING PLASTIC CHAIN LINK FENCE		

GENERAL CONTRACTOR SCHOOL OPERATIONS, ACCESS AND COORDINATION NOTES :

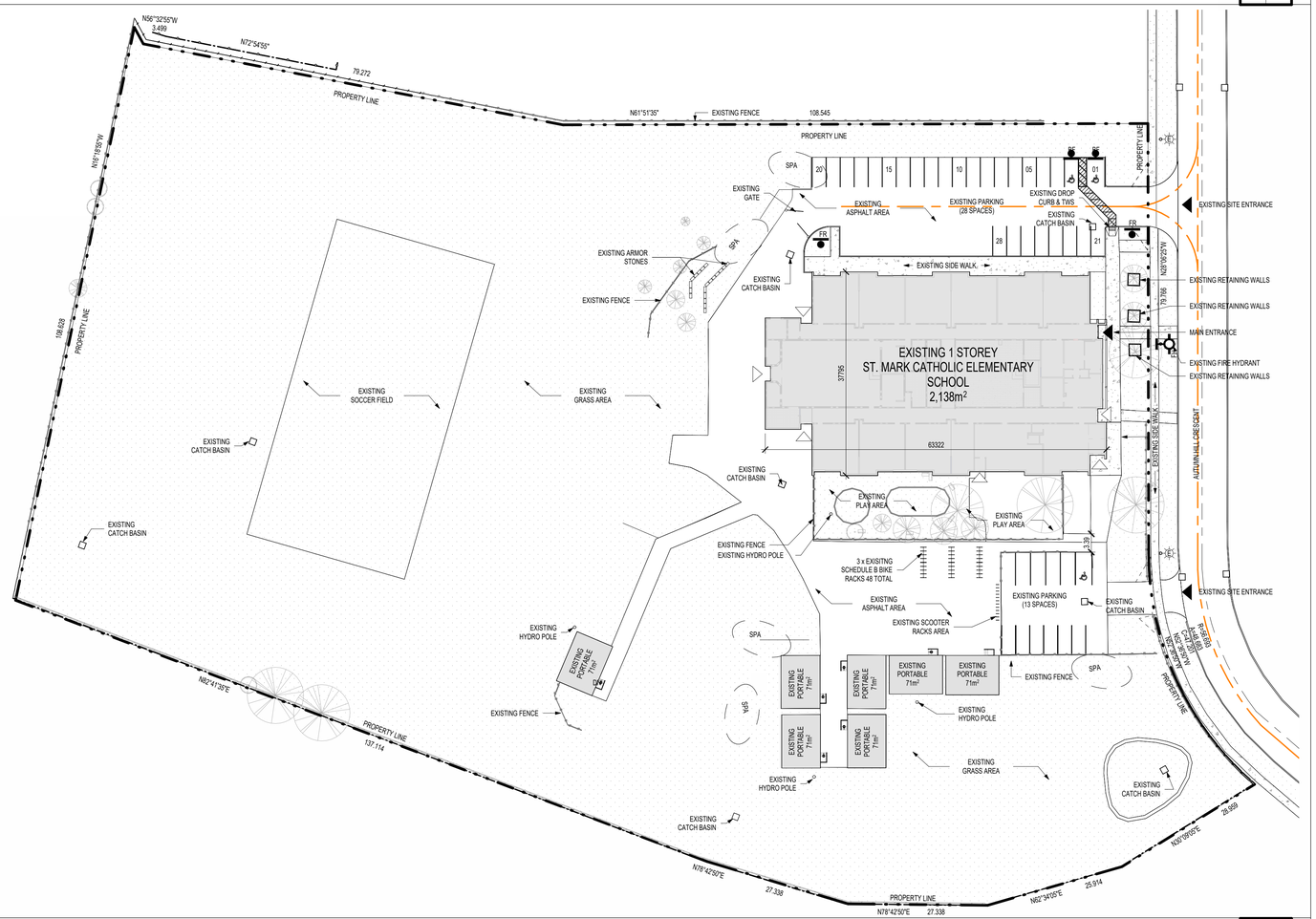
1. CONTRACTOR TO COORDINATE ALL ACCESS ACROSS PLAY YARD, INCLUDING DELIVERIES, EQUIPMENT MOVEMENT, AND STAGING, WITH SCHOOL BOARD FOR DURATION OF CONSTRUCTION.
2. SCHEDULE AND CARRY OUT ALL UNDERGROUND AND EXTERIOR WORKS TO MINIMIZE DISRUPTION TO OUTDOOR PLAY; PROVIDE ADVANCE NOTICE AND TEMPORARY PROTECTION WHERE PLAY AREAS ARE AFFECTED. NO ADDITIONAL COSTING TO THE SCHOOL BOARD WILL BE ACCEPTED FOR AFTER HOURS WORK.
3. CONTRACTOR AND SUBCONTRACTOR PARKING, LAYDOWN, AND STORAGE AREAS TO BE LOCATED ONLY AS ASSIGNED AND APPROVED BY SCHOOL BOARD; NO PARKING IN BUS LOOPS, DROP-OFF ZONES, FIRE ROUTES, OR ACCESSIBLE SPACES WITHOUT WRITTEN APPROVAL.
4. ALL SERVICE SHUTDOWNS (POWER, WATER, COMMUNICATIONS, ETC.) TO BE PRE-APPROVED BY SCHOOL BOARD WITH REQUIRED WRITTEN NOTICE; SCHEDULE OUTSIDE SCHOOL HOURS WHEREVER FEASIBLE AND MAINTAIN LIFE SAFETY SYSTEMS. NO ADDITIONAL COSTING TO THE SCHOOL BOARD WILL BE ACCEPTED FOR AFTER HOURS WORK.
5. MAINTAIN SAFE ACCESS TO GRASSED AND PAVED/TARMAC PLAY AREAS AS MUCH AS PRACTICABLE THROUGHOUT CONSTRUCTION; WHERE CLOSURES ARE REQUIRED, PROVIDE FENCING, BARRIERS, AND SIGNAGE AND COORDINATE EXTENT AND DURATION WITH SCHOOL BOARD.

GENERAL NOTES:

1. ANY AREA DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CONSULTANT AND AUTHORITY HAVING JURISDICTION. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING, OR FOR ALL ASSOCIATED COSTS TO RESTORE, ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO MUNICIPAL STANDARDS.
2. THE LOCATION OF POLE LINES, CONDUITS, WATER MAINS, SEWERS, AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM AND THOSE NOT LOCATED PRIOR TO CONSTRUCTION.
3. TOPSOIL, DEBRIS AND LOOSE MATERIALS TO BE REMOVED FROM ALL SUBBASE MATERIALS.
4. WHERE NEW PAVING ABUTS EXISTING ASPHALT PAVING. MATCH FINISH GRADE AND SLOPE.
5. PROVIDE PAVEMENT MARKINGS, SYMBOLS AS INDICATED ON SITE PLAN.
6. THE COMPRESSIVE STRENGTH OF CONCRETE AFTER 28 DAYS SHALL BE 32MPA UNO. ALL EDGES OF CONCRETE TO BE ROUNDED OFF WITH AN EDGING TOOL.
7. TURN DOWN THE PERIMETER EDGE OF SIDEWALKS A MIN. 125MM (5") IN ADDITION TO SIDEWALK THICKNESS, COMPLETE WITH 300MM (12") THICK COMPACTED STONE BASE.
8. ALL PARKING MARKINGS AS PER CITY STANDARDS.
9. 1.2M HIGH HEAVY DUTY BLACK VINYL-COATED CHAIN LING FENCING TO BE INSTALLED AS INDICATED IN PLANS.



Isometric Site Plan View - Existing 2 A0.70



Site Plan 1 A1.40 A0.70 1 : 500

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

SITE PLAN - EXISTING

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:04:31 PM
drawing number:	A0.70

Keynote Legend

Item	Description
X117	EXISTING PARKING LINES TO BE REPAINTED AT THE SAME LOCATION AND SIZE AFTER NEW ASPHALT HAS BEEN INSTALLED.
X135	EXISTING ARMOR STONES TO BE REMOVED AND DISPOSED OF. GC TO COORDINATE WITH CLIENT ONSITE FOR POTENTIAL RELOCATION AS REQUIRED.
X136	EXISTING FENCE TO BE REMOVED AND DISPOSED OF.
X138	LOCATION OF NEW SEMI-RECESSED GARBAGE COLLECTION CONTAINERS AND CONCRETE PAD. GC TO REFER TO ARCHITECTURAL DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR INSTALLATION.
X139	LOCATION OF NEW ELECTRICAL TRANSFORMER AND CONCRETE PAD. (REFER TO ELECTRICAL).
X141	PORTION OF EXISTING FENCE TO BE REMOVED AND REINSTALLED ONCE CONSTRUCTION HAS BEEN COMPLETED. (REFER TO CIVIL).
X180	REMOVE AND DISPOSE OF PROPERLY EXISTING SCOOTER RACKS.
X189	SOLID RED HATCH DENOTES ARE OF ASPHALT TOPPING ONLY TO BE REMOVED. EXISTING SUBGRADE TO REMAIN.
X191	REMOVE AND DISPOSE OF EXISTING PLAYGROUND EQUIPMENT.

Site Statistics

Address: 240 Autumn Hill Crescent, Kitchener, ON N2N 1K8
Zoning: **INS-1 - Institutional (School, Elementary)**

ZONING	REQUIRED/ALLOWED	EXISTING/PROVIDED
MINIMUM LOT WIDTH	15.00 m	Existing
MINIMUM FRONT YARD SETBACK	6.00 m	Existing
MINIMUM EXTERIOR SIDE YARD SETBACK	6.00 m	n/a
MINIMUM INTERIOR SIDE YARD SETBACK	3.00 m	29.84m (Right Side) / 59.63m (Left Side)
MINIMUM REAR SIDE YARD SETBACK	7.50 m	95.87m
MINIMUM YARD SETBACK ABUTTING A LOT WITH A LOW RISE RESIDENTIAL ZONE	7.50 m	29.84m (Right Side) / 59.63m (Left Side)
MAXIMUM BUILDING HEIGHT	14.00 m	8.59m
MAXIMUM FLOOR SPACE RATIO	1.00 m (3)	n/a
MINIMUM LANDSCAPED OPEN SPACE	20.00 %	> 20.00 %
PARKING SPACES	Minimum 1 parking space per: 100m² GFA, including portables = 47 parking spaces Maximum 1 parking space per: 75 m² GFA, including portables = 63 parking spaces	Existing = 41 parking spaces New = 11 parking spaces Total = 52 parking spaces
BARRIER-FREE PARKING SPACES	Number of parking spaces required (13-100) = 4% of total required parking spaces = 3 parking spaces (1 Type A, 2 Type B)	Existing = Total = 3 parking spaces
BICYCLE PARKING SPACES	Class A: Minimum 1 space per 1,000m² GFA = 5 stalls Class B: Minimum 1 space per 100m² GFA = 47 stalls	5 Class A bicycle parking spaces Existing = 48 Class B spaces Total = 5 Class A parking spaces, 48 Class B

Site Legend

Sym.	Site Element Description	Sym.	Site Element Description
E	EXISTING SITE LIGHTING FIXTURE NEW SITE LIGHTING FIXTURE	XX	NEW PARKING SPACE
	TRAFFIC DIRECTION INDICATORS (PAINTED)		EXISTING TREE TO REMAIN
	EXISTING BUILDING		NEW TREE (REFER TO LANDSCAPE)
	EXISTING ASPHALT TO BE REMOVED AND REPLACED		EXISTING TREE TO BE RELOCATED
	NEW LANDSCAPED AREA	FH	FIRE HYDRANT
	NEW CONCRETE SIDEWALK	C.B.	CATCH BASIN
EBF	EXISTING BARRIER FREE STALL SIGNAGE	P.B.E.	PRINCIPAL BARRIER-FREE / FIRE FIGHTERS ENTRANCE
BF	BARRIER FREE STALL SIGNAGE c/w HEAVY-DUTY FLEXIBLE SIGN SYSTEMS	EXIT	BUILDING EXIT
FR	FIRE ROUTE SIGNAGE		EXISTING FIRE TRUCK ROUTE
MA	MAINTENANCE ACCESS ONLY SIGNAGE	FDC.	SIAMESE CONNECTIONS / FIRE DEPARTMENT CONNECTION
EV	EV PARKING SIGNAGE		THERMOPLASTIC INLAY PATH (SEE LANDSCAPE)
	EXISTING CONCRETE SIDEWALK TO BE DEMOLISHED (REFER TO CIVIL)		EXISTING FIRE TRUCK AND GARBAGE TRUCK ROUTE
	DASHED LINES INDICATE VISIBILITY TRIANGLE	SPA	SNOW PILE STORAGE AREA
	EXISTING METAL CHAIN LINK FENCE		EXISTING STEEL FENCE
	NEW METAL CHAIN LINK FENCE		EXISTING BOARD FENCE
	EXISTING PLASTIC CHAIN LINK FENCE		

GENERAL CONTRACTOR SCHOOL OPERATIONS, ACCESS AND COORDINATION NOTES :

1. CONTRACTOR TO COORDINATE ALL ACCESS ACROSS PLAY YARD, INCLUDING DELIVERIES, EQUIPMENT MOVEMENT, AND STAGING, WITH SCHOOL BOARD FOR DURATION OF CONSTRUCTION.
2. SCHEDULE AND CARRY OUT ALL UNDERGROUND AND EXTERIOR WORKS TO MINIMIZE DISRUPTION TO OUTDOOR PLAY; PROVIDE ADVANCE NOTICE AND TEMPORARY PROTECTION WHERE PLAY AREAS ARE AFFECTED. NO ADDITIONAL COSTING TO THE SCHOOL BOARD WILL BE ACCEPTED FOR AFTER HOURS WORK.
3. CONTRACTOR AND SUBCONTRACTOR PARKING, LAYDOWN, AND STORAGE AREAS TO BE LOCATED ONLY AS ASSIGNED AND APPROVED BY SCHOOL BOARD; NO PARKING IN BUS LOOPS, DROP-OFF ZONES, FIRE ROUTES, OR ACCESSIBLE SPACES WITHOUT WRITTEN APPROVAL.
4. ALL SERVICE SHUTDOWNS (POWER, WATER, COMMUNICATIONS, ETC.) TO BE PRE-APPROVED BY SCHOOL BOARD WITH REQUIRED WRITTEN NOTICE; SCHEDULE OUTSIDE SCHOOL HOURS WHEREVER FEASIBLE AND MAINTAIN LIFE SAFETY SYSTEMS. NO ADDITIONAL COSTING TO THE SCHOOL BOARD WILL BE ACCEPTED FOR AFTER HOURS WORK.
5. MAINTAIN SAFE ACCESS TO GRASSED AND PAVED/TARMAC PLAY AREAS AS MUCH AS PRACTICABLE THROUGHOUT CONSTRUCTION; WHERE CLOSURES ARE REQUIRED, PROVIDE FENCING, BARRIERS, AND SIGNAGE AND COORDINATE EXTENT AND DURATION WITH SCHOOL BOARD.

GENERAL NOTES:

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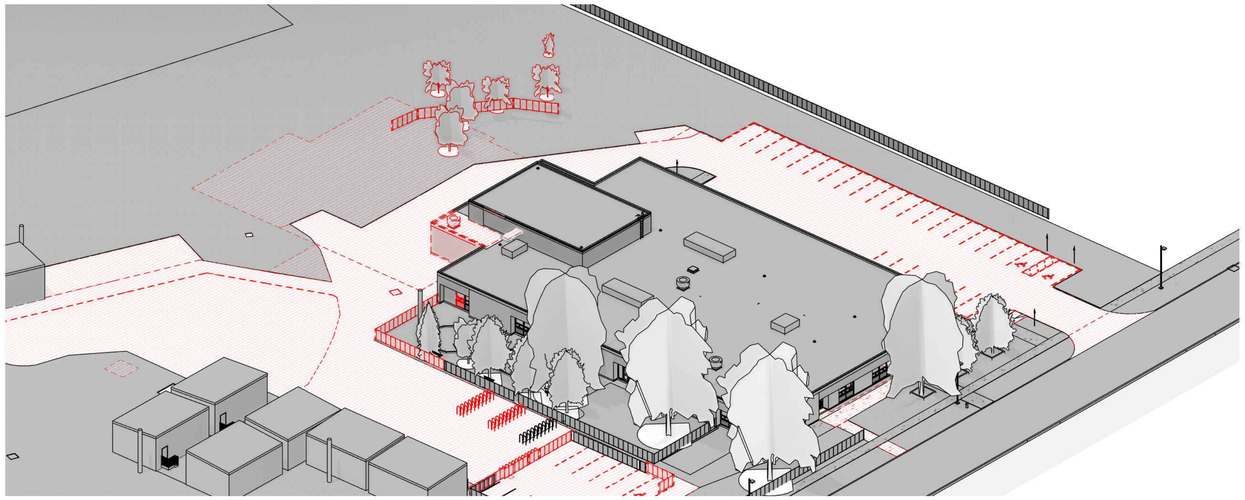
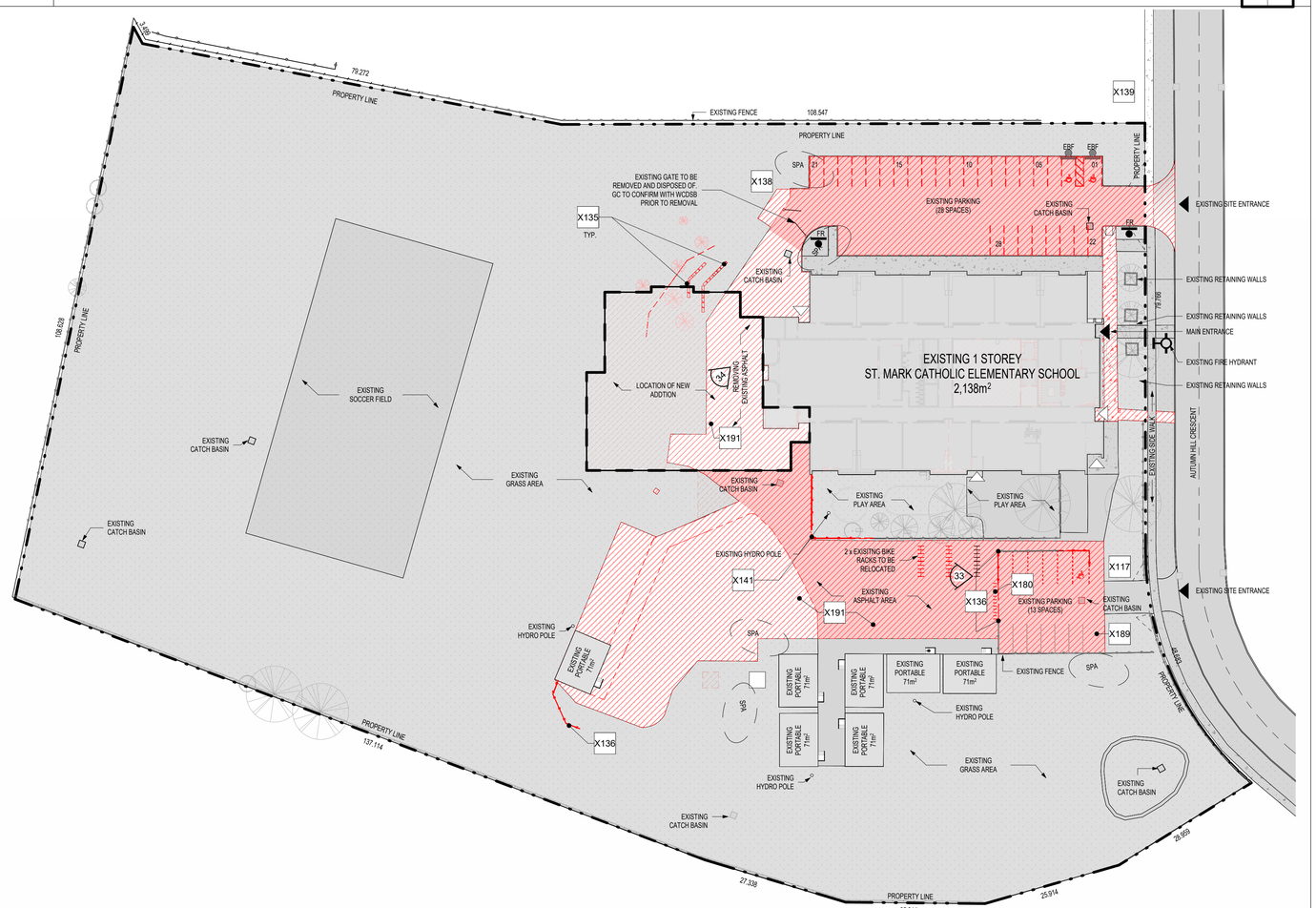
2. THE LOCATION OF POLE LINES, CONDUITS, WATER MAINS, SEWERS, AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM AND THOSE NOT LOCATED PRIOR TO CONSTRUCTION.
3. TOPSOIL, DEBRIS AND LOOSE MATERIALS TO BE REMOVED FROM ALL SUBBASE MATERIALS.
4. WHERE NEW PAVING ABUTS EXISTING ASPHALT PAVING. MATCH FINISH GRADE AND SLOPE.
5. PROVIDE PAVEMENT MARKINGS, SYMBOLS AS INDICATED ON SITE PLAN.
6. THE COMPRESSIVE STRENGTH OF CONCRETE AFTER 28 DAYS SHALL BE 32MPA UNO. ALL EDGES OF CONCRETE TO BE ROUNDED OFF WITH AN EDGING TOOL. SIDEWALKS TO
7. TURN DOWN THE PERIMETER EDGE OF SIDEWALKS A MIN. 125MM (5") IN ADDITION TO SIDEWALK THICKNESS, COMPLETE WITH 300MM (12") THIC K COMPACTED STONE BASE.
8. ALL CONCRETE SITE WORK TO FOLLOW MUNICIPAL AND OPSD STANDARDS INCLUDING 310.010, 310.020, 310.033, 310.039, 310.050, 600.100, 600.110, AND 604.010
9. ALL PARKING MARKINGS AS PER CITY STANDARDS.
10. 1.2M HIGH HEAVY DUTY BLACK VINYL-COATED CHAIN LING FENCING TO BE INSTALLED AS INDICATED IN PLANS.



Isometric Site Plan View - Demolition 2 A0.71



Site Plan 1 A1.40/A0.71 1 : 500

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

SITE PLAN - DEMOLITION

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:04:38 PM
drawing number:	**A0.71**

Keynote Legend

Item	Description
108	STORM AND SANITARY MAIN PIPING BELOW NEW ADDITION (REFER TO MECANICAL/CIVIL).
109	INCOING WEEPING TILE TO SUMP BASIN. (REFER TO MECHANICAL).
462	OUTDOOR BASKETBALL BACKSTOPS(BB-23b), POST (BB-19F), AND BASKETBALL GOAL (BB-30) BY GYMNASIUM AND HEALTH EQUIPMENT (OR APPROVED ALTERNATE). OUTDOOR GAME LINES TO BE PAINTED AS 2 COATS OF YELLOW DURABLE PAVEMENT MARKINGS IN ACCORDANCE WITH OPSS STANDARDS. FOR SIM. BASKETBALL KEY DIMENSIONS, REFER TO A7.26. BEFORE INSTALLATION OF EQUIPMENT, GC TO FINALIZE LOCATION WITH THE SCHOOL BOARD ON SITE.
X141	PORTION OF EXISTING FENCE TO BE REMOVED AND REINSTALLED ONCE CONSTRUCTION HAS BEEN COMPLETED. (REFER TO CIVIL).

Site Statistics

Address: 240 Autumn Hill Crescent, Kitchener, ON N2N 1K8
Zoning: **INS-1 - Institutional (School, Elementary)**

ZONING	REQUIRED/ALLOWED	EXISTING/PROVIDED
MINIMUM LOT WIDTH	15.00 m	Existing
MINIMUM FRONT YARD SETBACK	6.00 m	Existing
MINIMUM EXTERIOR SIDE YARD SETBACK	6.00 m	n/a
MINIMUM INTERIOR SIDE YARD SETBACK	3.00 m	29.84m (Right Side) / 59.63m (Left Side)
MINIMUM REAR SIDE YARD SETBACK	7.50 m	95.87m
MINIMUM YARD SETBACK ABUTTING A LOT WITH A LOW RISE RESIDENTIAL ZONE	7.50 m	29.84m (Right Side) / 59.63m (Left Side)
MAXIMUM BUILDING HEIGHT	14.00 m	8.59m
MAXIMUM FLOOR SPACE RATIO	1.00 m (3)	n/a
MINIMUM LANDSCAPED OPEN SPACE	20.00 %	> 20.00 %
PARKING SPACES	Minimum 1 parking space per: 100m² GFA, including portables = 47 parking spaces Maximum 1 parking space per: 75 m² GFA, including portables = 63 parking spaces	Existing = 41 parking spaces New = 11 parking spaces Total = 52 parking spaces
BARRIER-FREE PARKING SPACES	Number of parking spaces required (13-100) = 4% of total required parking spaces = 3 parking spaces (1 Type A, 2 Type B)	Existing = Total = 3 parking spaces
BICYCLE PARKING SPACES	Class A: Minimum 1 space per 1,000m² GFA = 5 stalls Class B: Minimum 1 space per 100m² GFA = 47 stalls	5 Class A bicycle parking spaces Existing = 48 Class B spaces Total = 5 Class A parking spaces, 48 Class B

Site Legend

Sym.	Site Element Description	Sym.	Site Element Description
E	EXISTING SITE LIGHTING FIXTURE NEW SITE LIGHTING FIXTURE	xx	NEW PARKING SPACE
	TRAFFIC DIRECTION INDICATORS (PAINTED)		EXISTING TREE TO REMAIN
	EXISTING BUILDING		NEW TREE (REFER TO LANDSCAPE)
	EXISTING ASPHALT TO BE REMOVED AND REPLACED		EXISTING TREE TO BE RELOCATED
	NEW LANDSCAPED AREA	FH	FIRE HYDRANT
	NEW CONCRETE SIDEWALK	C.B.	CATCH BASIN
EBF	EXISTING BARRIER FREE STALL SIGNAGE	P.B.E.	PRINCIPAL BARRIER-FREE / FIRE FIGHTERS ENTRANCE
BF	BARRIER FREE STALL SIGNAGE c/w HEAVY-DUTY FLEXIBLE SIGN SYSTEMS	EXIT	BUILDING EXIT
FR	FIRE ROUTE SIGNAGE		EXISTING FIRE TRUCK ROUTE
MA	MAINTENANCE ACCESS ONLY SIGNAGE	FDC.	SIAMESE CONNECTIONS / FIRE DEPARTMENT CONNECTION
EV	EV PARKING SIGNAGE		THERMOPLASTIC INLAY PATH (SEE LANDSCAPE)
	EXISTING CONCRETE SIDEWALK TO BE DEMOLISHED (REFER TO CIVIL)		EXISTING FIRE TRUCK AND GARBAGE TRUCK ROUTE
	DASHED LINES INDICATE VISIBILITY TRIANGLE	SPA	SNOW PILE STORAGE AREA
	EXISTING METAL CHAIN LINK FENCE		EXISTING STEEL FENCE
	NEW METAL CHAIN LINK FENCE		EXISTING BOARD FENCE
	EXISTING PLASTIC CHAIN LINK FENCE		

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3. WORK AT THE EXISTING STAND ALONE PORTABLE AT THE SOUTHWEST CORNER OF THE PLAYGROUND WORK TO BE DONE AFTER SCHOOL IS OCCUPIED AND THE PORTABLE IS GONE.
4. CONTRACTOR AND SUBCONTRACTOR PARKING, LAYDOWN, AND STORAGE AREAS TO BE LOCATED ONLY AS ASSIGNED AND APPROVED BY SCHOOL BOARD; NO PARKING IN BUS LOOPS, DROP-OFF ZONES, FIRE ROUTES, OR ACCESSIBLE SPACES WITHOUT WRITTEN APPROVAL.
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GENERAL NOTES:

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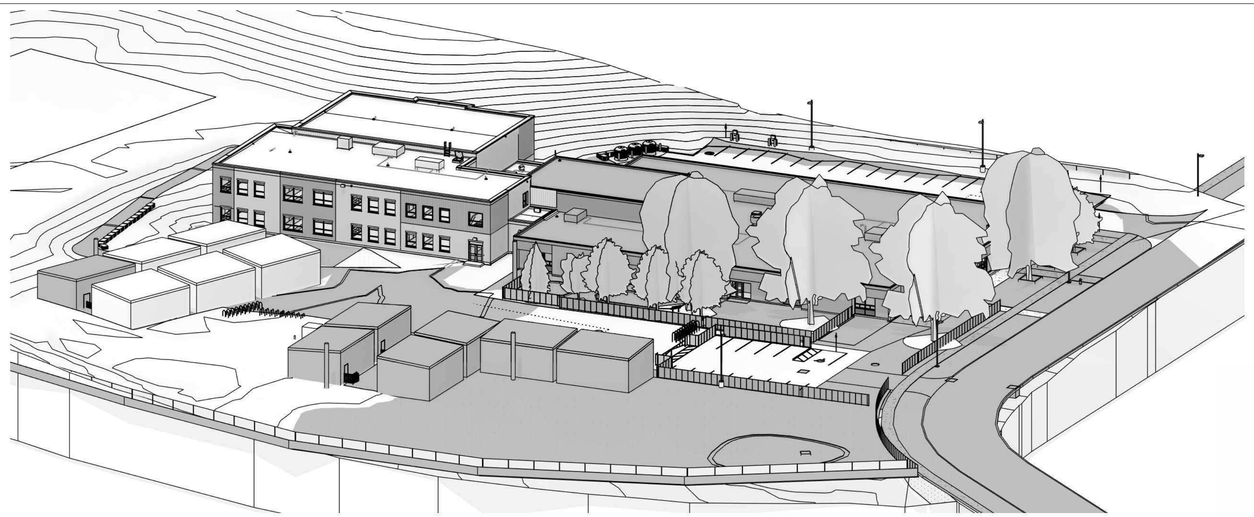
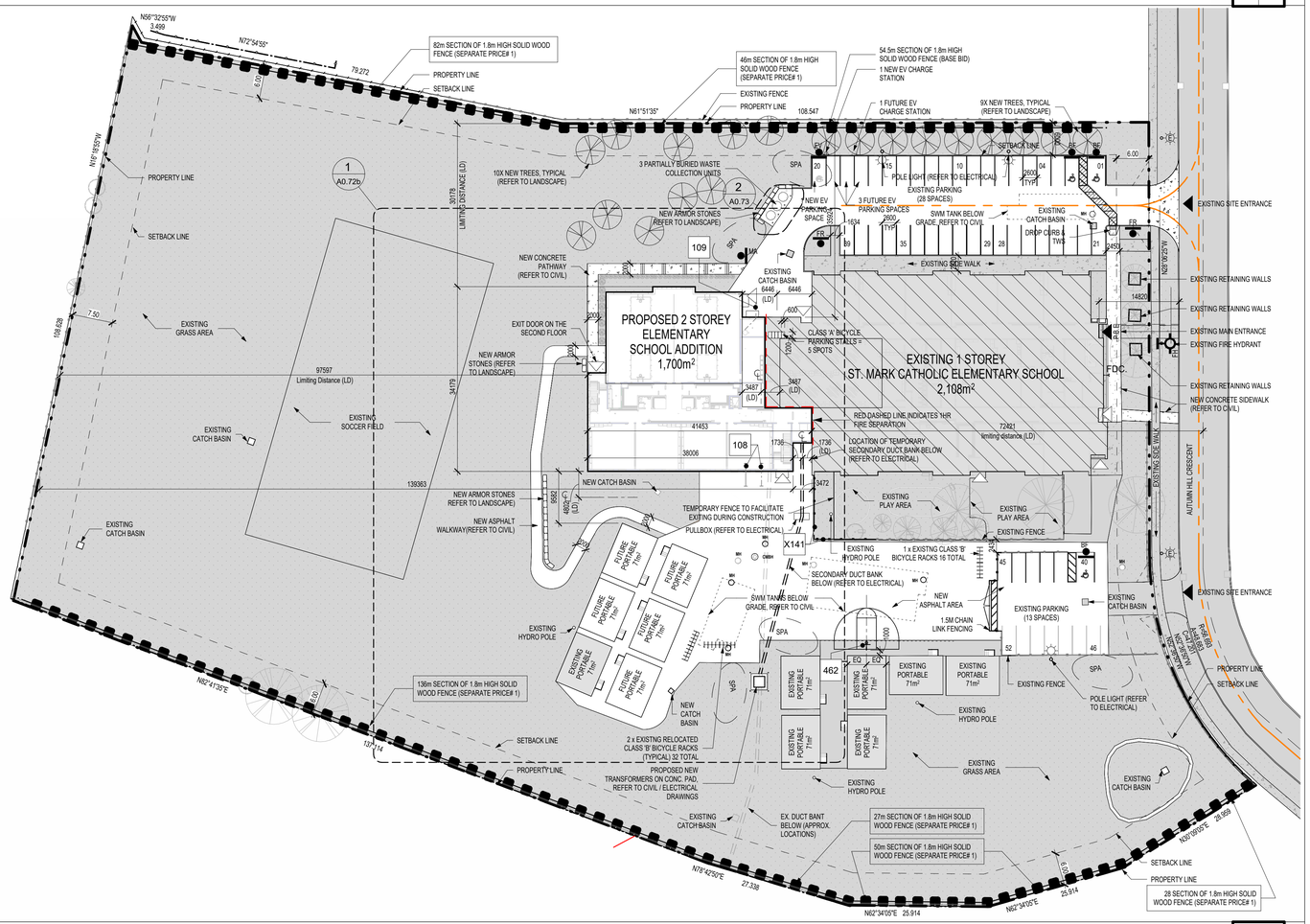
3. TOPSOIL, DEBRIS AND LOOSE MATERIALS TO BE REMOVED FROM ALL SUBBASE MATERIALS.
4. WHERE NEW PAVING ABUTS EXISTING ASPHALT PAVING, MATCH FINISH GRADE AND SLOPE.
5. PROVIDE PAVEMENT MARKINGS, SYMBOLS AS INDICATED ON SITE PLAN.
6. THE COMPRESSIVE STRENGTH OF CONCRETE AFTER 28 DAYS SHALL BE 32MPA UNO. ALL EDGES OF CONCRETE TO BE ROUNDED OFF WITH AN EDGING TOOL.
7. TURN DOWN THE PERIMETER EDGE OF SIDEWALKS A MIN. 125MM (5") IN ADDITION TO SIDEWALK THICKNESS, COMPLETE WITH 300MM (12") THICK COMPACTED STONE BASE.
8. ALL PARKING MARKINGS AS PER CITY STANDARDS
9. 1.2M HIGH HEAVY DUTY BLACK VINYL-COATED CHAIN LING FENCING TO BE INSTALLED AS INDICATED IN PLANS



Proposed Site Plan - Isometric View **2** A0.72



Site Plan **1** A1.40 A0.72 1 : 500

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#	date:	revision:
10	2026.04.24	Issued For Tender
9	2026.01.09	Revised SPA Comments
8	2025.12.17	Permit Revisions
7	2025.11.14	CoK Permit Comments
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

All drawing and specifications are the property of the Architect. The Contractor shall verify all dimensions and information on site and report any discrepancy to Architect before proceeding.

St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

OVERALL SITE PLAN - PROPOSED

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:04:56 PM

drawing number:

A0.72

Keynote Legend

Item	Description
89	THERMOPLASTIC INLAY (REFER TO LANDSCAPE).
290	HEAVY DUTY VEHICULAR SWING SECURITY GATE c/w ROLLING GATE WHEELS AND HARDWARE.
299	NEW PARKING LINES TO BE PAINTED TO MUNICIPAL STANDARDS.
442	NEW +/- 1.5m VINYL-COATED CHAIN LINK FENCE, REFER TO OPSD 972.130. (HEIGHT TO MATCH EXISTING).
462	OUTDOOR BASKETBALL BACKSTOPS(BB-23b), POST (BB-19F), AND BASKETBALL GOAL (BB-30) BY GYMNASIUM AND HEALTH EQUIPMENT (OR APPROVED ALTERNATE). OUTDOOR GAME LINES TO BE PAINTED AS 2 COATS OF YELLOW DURABLE PAVEMENT MARKINGS IN ACCORDANCE WITH OPSS STANDARDS. FOR SIM. BASKETBALL KEY DIMENSIONS, REFER TO A7.26. BEFORE INSTALLATION OF EQUIPMENT, GC TO FINALIZE LOCATION WITH THE SCHOOL BOARD ON SITE.

Site Legend

Sym.	Site Element Description	Sym.	Site Element Description
E	EXISTING SITE LIGHTING FIXTURE NEW SITE LIGHTING FIXTURE	xx	NEW PARKING SPACE
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	EXISTING BUILDING		NEW TREE (REFER TO LANDSCAPE)
	EXISTING ASPHALT TO BE REMOVED AND REPLACED		EXISTING TREE TO BE RELOCATED
	NEW LANDSCAPED AREA	FH	FIRE HYDRANT
	NEW CONCRETE SIDEWALK	C.B.	CATCH BASIN
EBF	EXISTING BARRIER FREE STALL SIGNAGE	P.B.E.	PRINCIPAL BARRIER-FREE / FIRE FIGHTERS ENTRANCE
BF	BARRIER FREE STALL SIGNAGE c/w HEAVY-DUTY FLEXIBLE SIGN SYSTEMS	EXIT	BUILDING EXIT
FR	FIRE ROUTE SIGNAGE		EXISTING FIRE TRUCK ROUTE
MA	MAINTENANCE ACCESS ONLY SIGNAGE	FDC.	SIAMESE CONNECTIONS / FIRE DEPARTMENT CONNECTION
EV	EV PARKING SIGNAGE		THERMOPLASTIC INLAY PATH (SEE LANDSCAPE)
	EXISTING CONCRETE SIDEWALK TO BE DEMOLISHED (REFER TO CIVIL)		EXISTING FIRE TRUCK AND GARBAGE TRUCK ROUTE
	DASHED LINES INDICATE VISIBILITY TRIANGLE	SPA	SNOW PILE STORAGE AREA
	EXISTING METAL CHAIN LINK FENCE		EXISTING STEEL FENCE
	NEW METAL CHAIN LINK FENCE		EXISTING BOARD FENCE
	EXISTING PLASTIC CHAIN LINK FENCE		

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3. TOPSOIL, DEBRIS AND LOOSE MATERIALS TO BE REMOVED FROM ALL SUBBASE MATERIALS.
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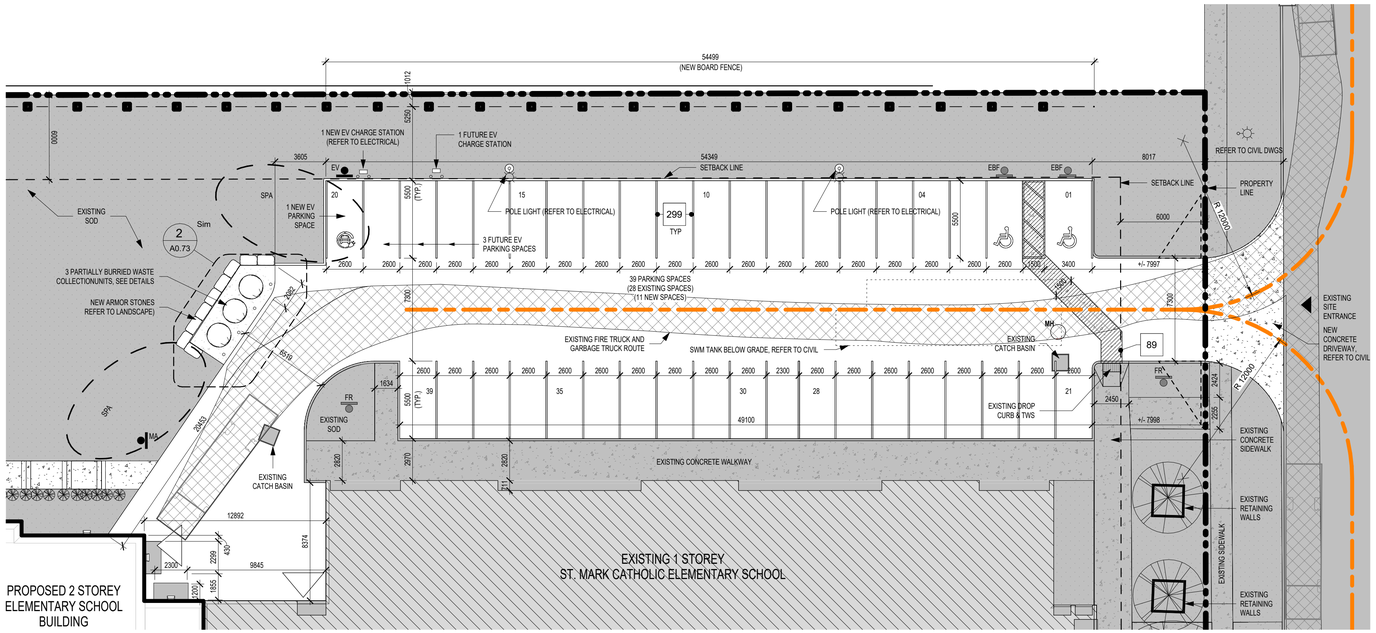
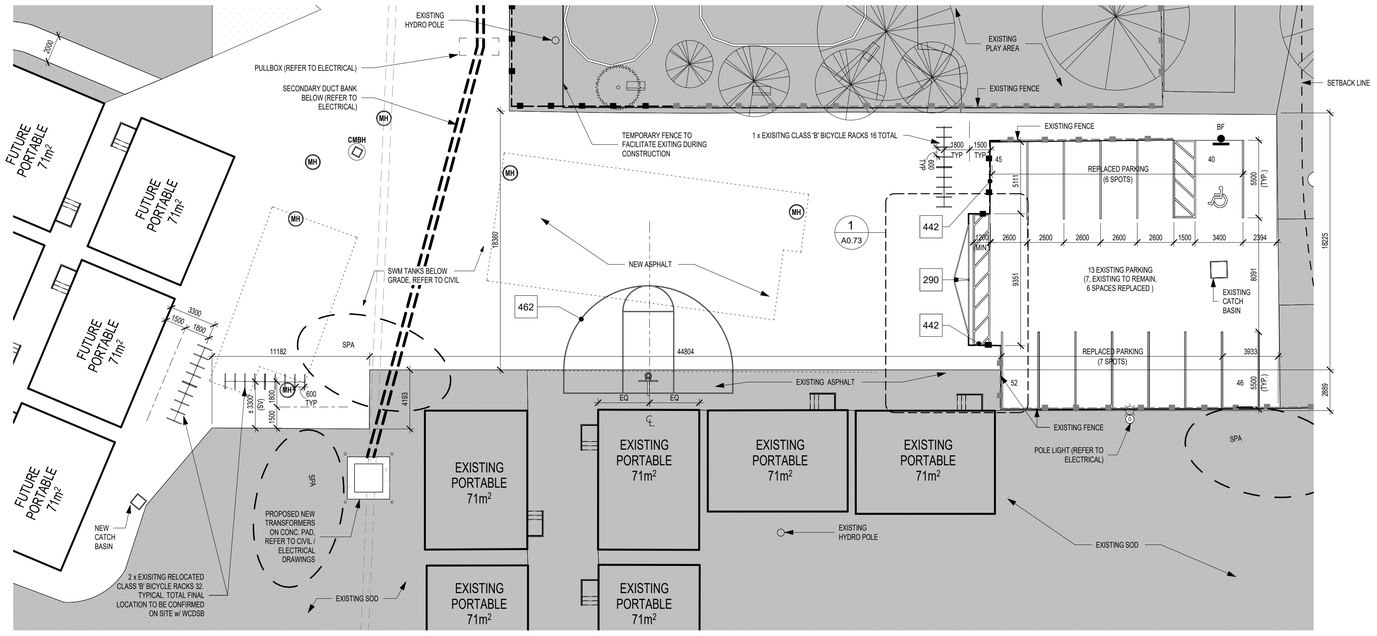


Enlarged Site Plan - Proposed - North 2 A0.72a 1 : 200



Enlarged Site Plan - Proposed - South 1 A0.72a 1 : 200

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8	2026.04.24	Issued For Tender
7	2026.01.09	Revised SPA Comments
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED SITE PLAN - PROPOSED

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:05:00 PM
drawing number:	A0.72a

Keynote Legend

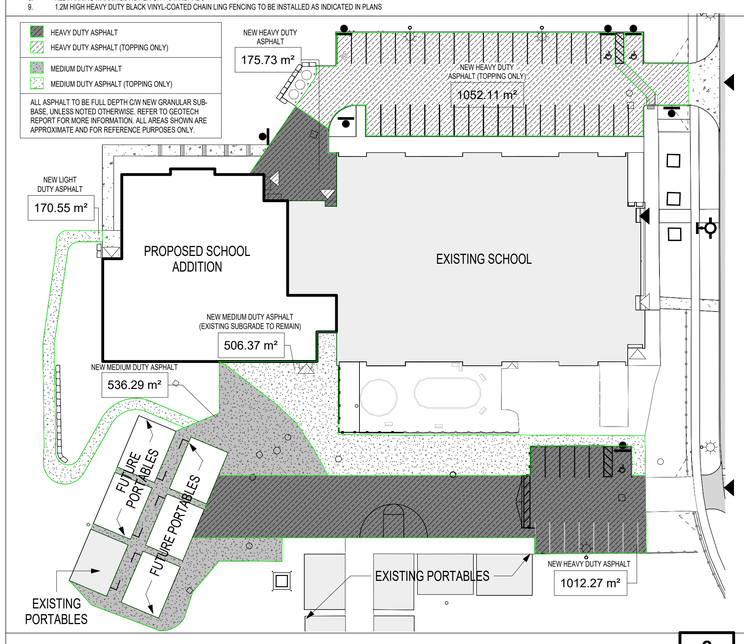
Item	Description
269	NEW ARMOR STONES. GC TO COORDINATE WITH CLIENT ONSITE FOR POTENTIAL RELOCATION OF EXISTING AS REQUIRED.

Site Legend

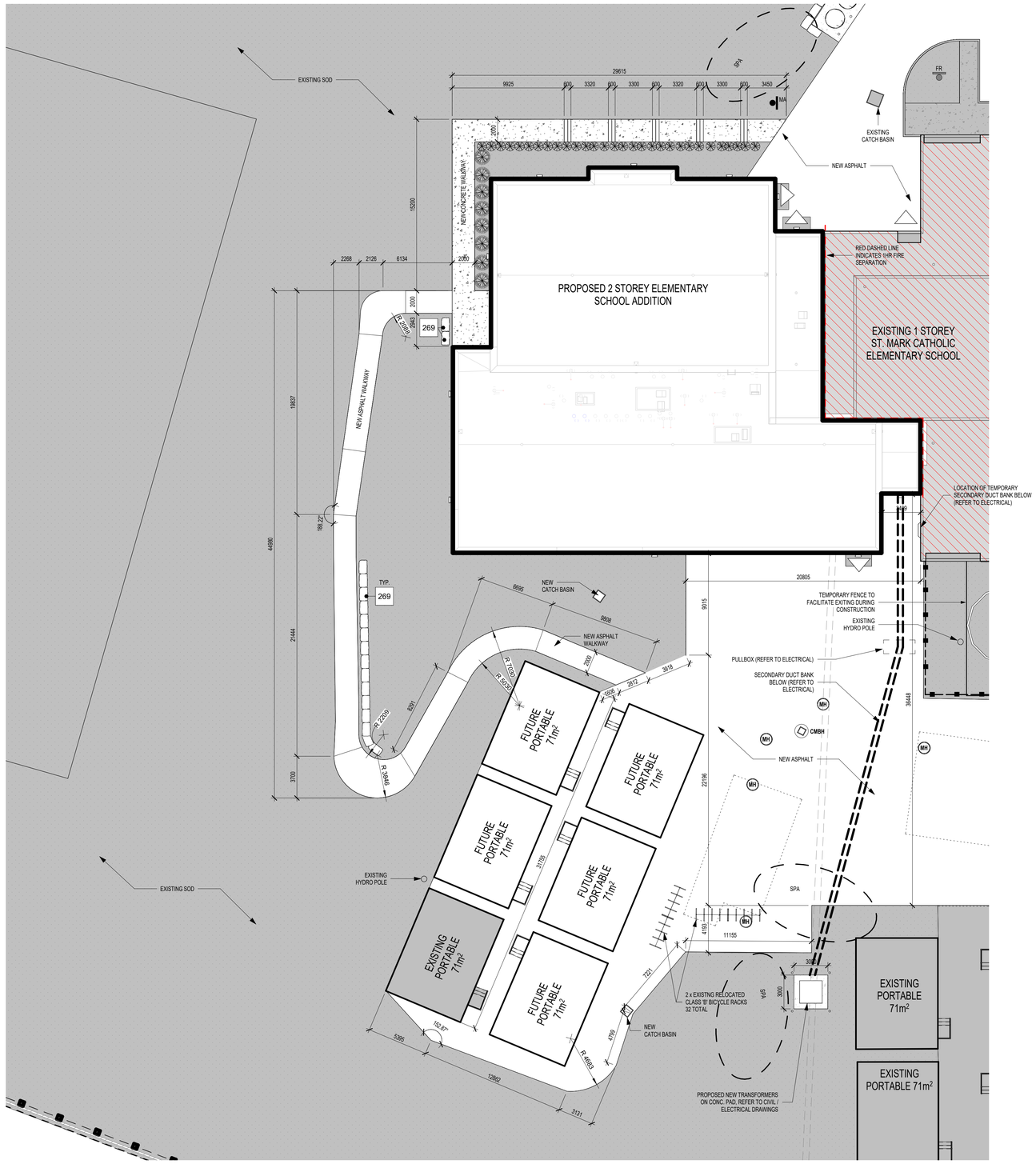
Sym.	Site Element Description	Sym.	Site Element Description
E	EXISTING SITE LIGHTING FIXTURE NEW SITE LIGHTING FIXTURE	XX	NEW PARKING SPACE
	TRAFFIC DIRECTION INDICATORS (PAINTED)		EXISTING TREE TO REMAIN
	EXISTING BUILDING		NEW TREE (REFER TO LANDSCAPE)
	EXISTING ASPHALT TO BE REMOVED AND REPLACED		EXISTING TREE TO BE RELOCATED
	NEW LANDSCAPED AREA	FH	FIRE HYDRANT
	NEW CONCRETE SIDEWALK	C.B.	CATCH BASIN
EBF	EXISTING BARRIER FREE STALL SIGNAGE	P.B.E.	PRINCIPAL BARRIER-FREE / FIRE FIGHTERS ENTRANCE
BF	BARRIER FREE STALL SIGNAGE c/w HEAVY-DUTY FLEXIBLE SIGN SYSTEMS	EXIT	BUILDING EXIT
FR	FIRE ROUTE SIGNAGE		EXISTING FIRE TRUCK ROUTE
MA	MAINTENANCE ACCESS ONLY SIGNAGE	FDC.	SIAMESE CONNECTIONS / FIRE DEPARTMENT CONNECTION
EV	EV PARKING SIGNAGE		THERMOPLASTIC INLAY PATH (SEE LANDSCAPE)
	EXISTING CONCRETE SIDEWALK TO BE DEMOLISHED (REFER TO CIVIL)		EXISTING FIRE TRUCK AND GARBAGE TRUCK ROUTE
	DASHED LINES INDICATE VISIBILITY TRIANGLE	SPA	SNOW PILE STORAGE AREA
	EXISTING METAL CHAIN LINK FENCE		EXISTING STEEL FENCE
	NEW METAL CHAIN LINK FENCE		EXISTING BOARD FENCE
	EXISTING PLASTIC CHAIN LINK FENCE		

GENERAL NOTES:

1. ANY AREA DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE CONSULTANT AND AUTHORITY HAVING JURISDICTION. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING, OR FOR ALL ASSOCIATED COSTS TO RESTORE, ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO MUNICIPAL STANDARDS.
2. THE LOCATION OF POLE LINES, CONDUITS, WATER MAINS, SEWERS, AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM AND THOSE NOT LOCATED PRIOR TO CONSTRUCTION.
3. TOPSOIL, DEBRIS AND LOOSE MATERIALS TO BE REMOVED FROM ALL SUBBASE MATERIALS.
4. WHERE NEW PAVING ABUTS EXISTING ASPHALT PAVING, MATCH FINISH GRADE AND SLOPE.
5. PROVIDE PAVEMENT MARKINGS, SYMBOLS AS INDICATED ON SITE PLAN.
6. THE COMPRESSIVE STRENGTH OF CONCRETE AFTER 28 DAYS SHALL BE 32MPA UNO. ALL EDGES OF CONCRETE TO BE ROUNDED OFF WITH AN EDGING TOOL.
7. TURN DOWN THE PERIMETER EDGE OF SIDEWALKS A MIN. 125MM (5") IN ADDITION TO SIDEWALK THICKNESS, COMPLETE WITH 300MM (12") THICK COMPACTED STONE BASE.
8. ALL PARKING MARKINGS AS PER CITY STANDARDS
9. 1.2M HIGH HEAVY DUTY BLACK VINYL-COATED CHAIN LING FENCING TO BE INSTALLED AS INDICATED IN PLANS



Asphalt Types - Key Plan | 2 | A1.40A0.72b | 1 : 500



Enlarged Site Plan - Proposed - West | 1 | A0.72A0.72b | 1 : 200

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED SITE PLAN - PROPOSED

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:05:11 PM

drawing number:

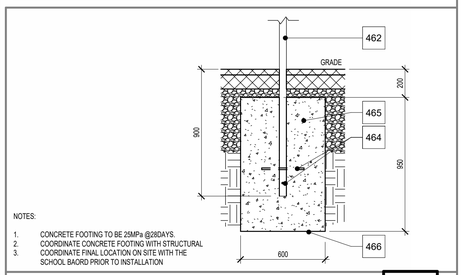
A0.72b

Keynote Legend

Item	Description
40	ASPHALT IMPREGNATED FIBRE BOARD BETWEEN DISSIMILAR MATERIALS.
267	PAINTED SAFETY LINES ON NEW ASPHALT, COLOUR TO BE SAFETY YELLOW.
283	OUTSIDE PIPE 102mm dia. BLACK BINYL-COATED STEEL PIPE (MALE PIPE TO BE GREASED).
284	INSIDE PIPE 89mm DIA. TO SUIT OUTSIDE PIPE (CAST IN PLACE).
285	TOP AND BOTTOM CORD TO BE 60mm DIA. STEEL PIPE c/w WEBBING TO BE 45mm DIA. PIPE. (ALL SURFACES TO BE BLACK VINYL-COATED)
286	CAST IN PLACE 450mm DIA. REINFORCED CONCRETE PIER W. CAST IN PLACE PIPE - TO 1800 BELOW GRADE (TYP). CONCRETE TO BE 30MPa AIR ENTRAINED (REFER TO STRUCTURAL).
287	PROVIDE LOCKING PIN C/W. PADLOCK AT BOTH GATES FOR SECURING GATE SWING IN OPEN & CLOSED POSITION.
288	HEAVY DUTY CHAIN AND PAD LOCK (COORDINATE REQUIRMENTS WITH WCDSB).
289	50mm DIA BLACK VINYL-COATED PIPE c/w GATE WHEEL.
290	HEAVY DUTY VEHICULAR SWING SECURITY GATE c/w ROLLING GATE WHEELS AND HARDWARE.
442	NEW +/- 1.5m VINYL-COATED CHAIN LINK FENCE, REFER TO OPSD 972.130. (HEIGHT TO MATCH EXISTING).
462	OUTDOOR BASKETBALL BACKSTOPS(BB-23b), POST (BB-19F), AND BASKETBALL GOAL (BB-30) BY GYMNASIUM AND HEALTH EQUIPMENT (OR APPROVED ALTERNATE). OUTDOOR GAME LINES TO BE PAINTED AS 2 COATS OF YELLOW DURABLE PAVEMENT MARKINGS IN ACCORDANCE WITH OPSS STANDARDS. FOR SIM. BASKETBALL KEY DIMENSIONS, REFER TO A7.26. BEFORE INSTALLATION OF EQUIPMENT, GC TO FINALIZE LOCATION WITH THE SCHOOL BOARD ON SITE.
463	6 - 15M VERTICAL REBAR INSIDE 10M CIRCULAR TIES AT 300 O.C. (DOUBLE AT TOP TYP.).
464	12mm x 300mm REBAR ANCHOR INSTALLED THROUGH CENTRE OF POST TOP AND BOTTOM.
465	CONCRETE POST FOOTING IN SONOTUBE. 25MPa PER OPSS STANDARDS.
466	COMPACT SUBGRADE TO 96% SPD.

Keynote Legend

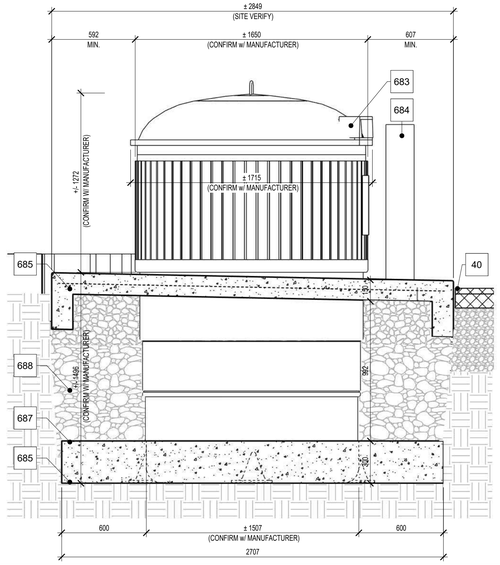
Item	Description
683	PARTIALLY BURIED WASTE COLLECTION UNITS, 3x6.5yd3 UNITS. (AS MANUFACTURED BY MOLOK NORTH AMERICA c/w EON PLASTIC FRAMING (COLOUR: ECON-GREY).
684	BOLLARD IN CAST PIPE IN PLACE POST HOLE.
685	150mm 32MPa C-2 CAST IN PLACE CONCRETE SLAB c/w 10M BARS AT 300mm O.C MEW, (SLUMP=3"+/-1"). SLAB TO SLOPE AWAY FROM CONTAINERS MIN. 2%.
687	300mm THICK 25MPa CAST IN PLACE CONCRETE BASE ON UNDISTURBED NATIVE SOIL. (SLUMP=3"+/-1"). IF DISTURBED, RE-COMPACT TO MIN. 98% S.P.D.
688	BACKFILL UNITS WITH COMPACTED GRANULAR FILL TYPE '2' AS SPECIFIED BY MANUFACTURER, INSTALL IN MAX. 200mm LIFTS, COMPACT TO 98% SPD. (GC TO COORDINATE WITH MANUFACTURERS INSTALLATION GUIDELINES).



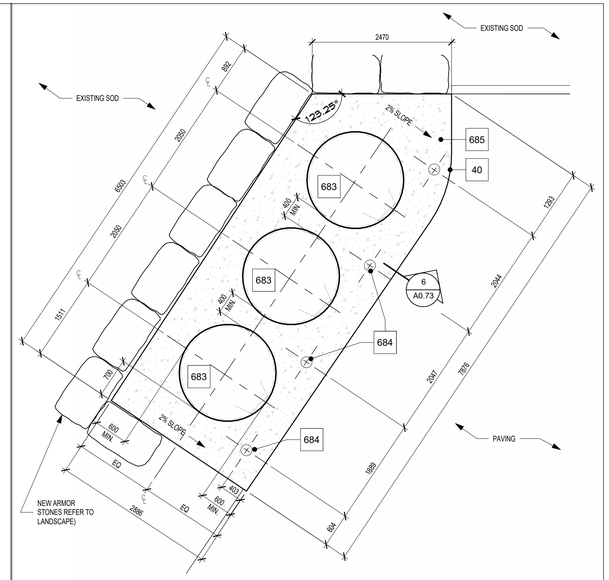
NOTES:

1. CONCRETE FOOTING TO BE 25MPa @28DAYS.
2. COORDINATE CONCRETE FOOTING WITH STRUCTURAL
3. COORDINATE FINAL LOCATION ON SITE WITH THE SCHOOL BAORD PRIOR TO INSTALLATION

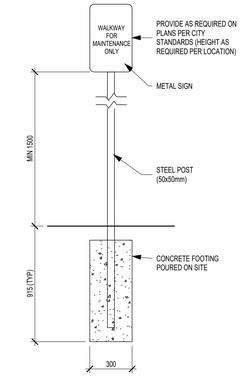
Basketball Poel Founation Section **8** A0.73 1 : 20



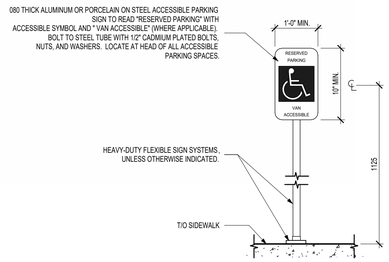
Molok Waste Collection - Section View **6** A0.73/A0.73 1 : 20



Molok Waste Collection - Elarged Plan View **2** A0.72/A0.73 1 : 50

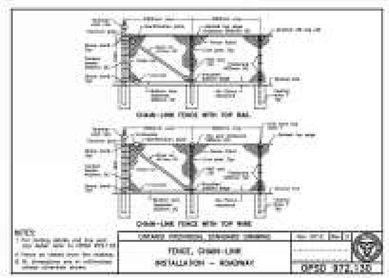


SIGNAGE DETAIL **9** A0.73 1 : 20

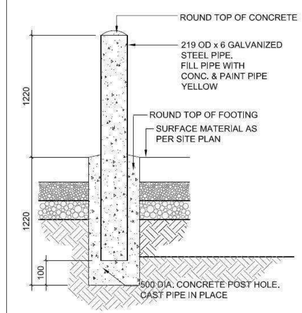


NOTE:
ACCESSIBLE PARKING SIGN TO CONFORM TO CURRENT PROVINCE, LOCAL CODES & REGULATIONS

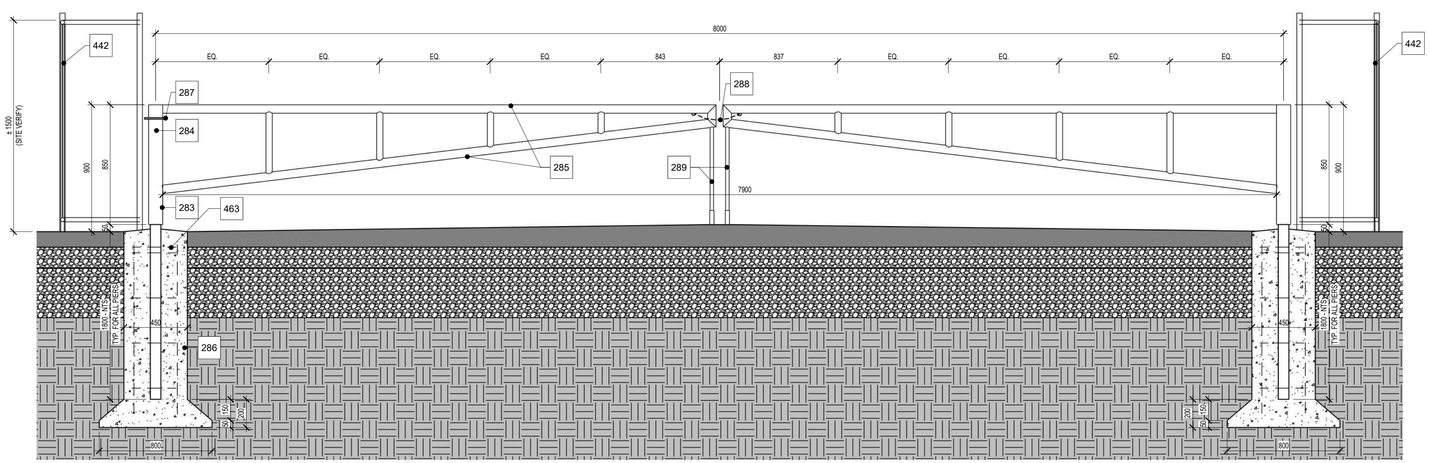
Typ. Accessible Parking Sign **7** A0.73 1 : 20



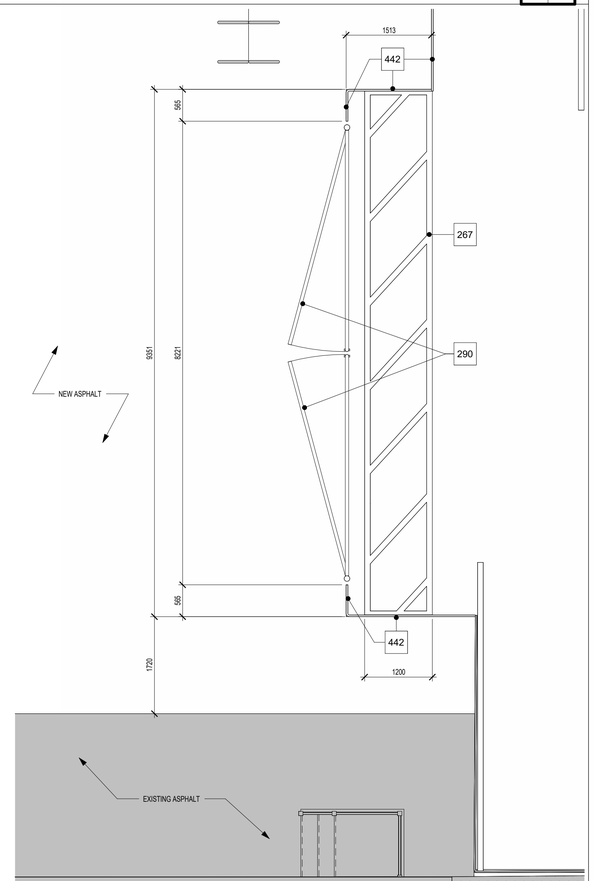
Typical Cain-LInk Fence **5** A0.73 1 : 50



Typical Bollard **4** A0.73 N.T.S.



Security Gate Detail **3** A0.73 1 : 20



Security Gate Detail - Enlarged Plan View **1** A0.72a/A0.73 1 : 50

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#	date:	revision:
8	2026.04.24	Issued For Tender
7	2026.01.29	Permit/SPA Revisions
6	2025.10.31	Revised SPA Comments
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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

SITE DETAILS

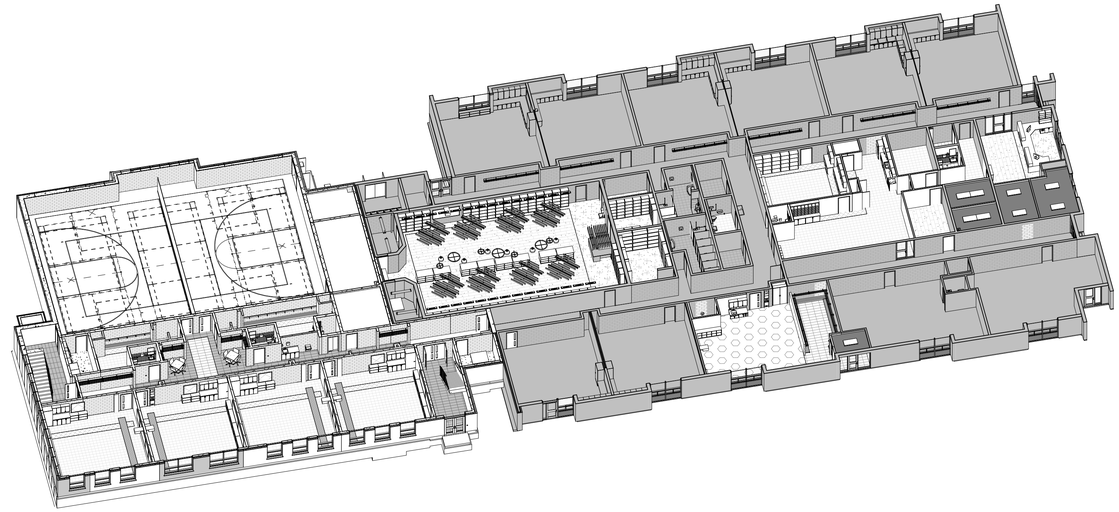
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:05:19 PM

drawing number:

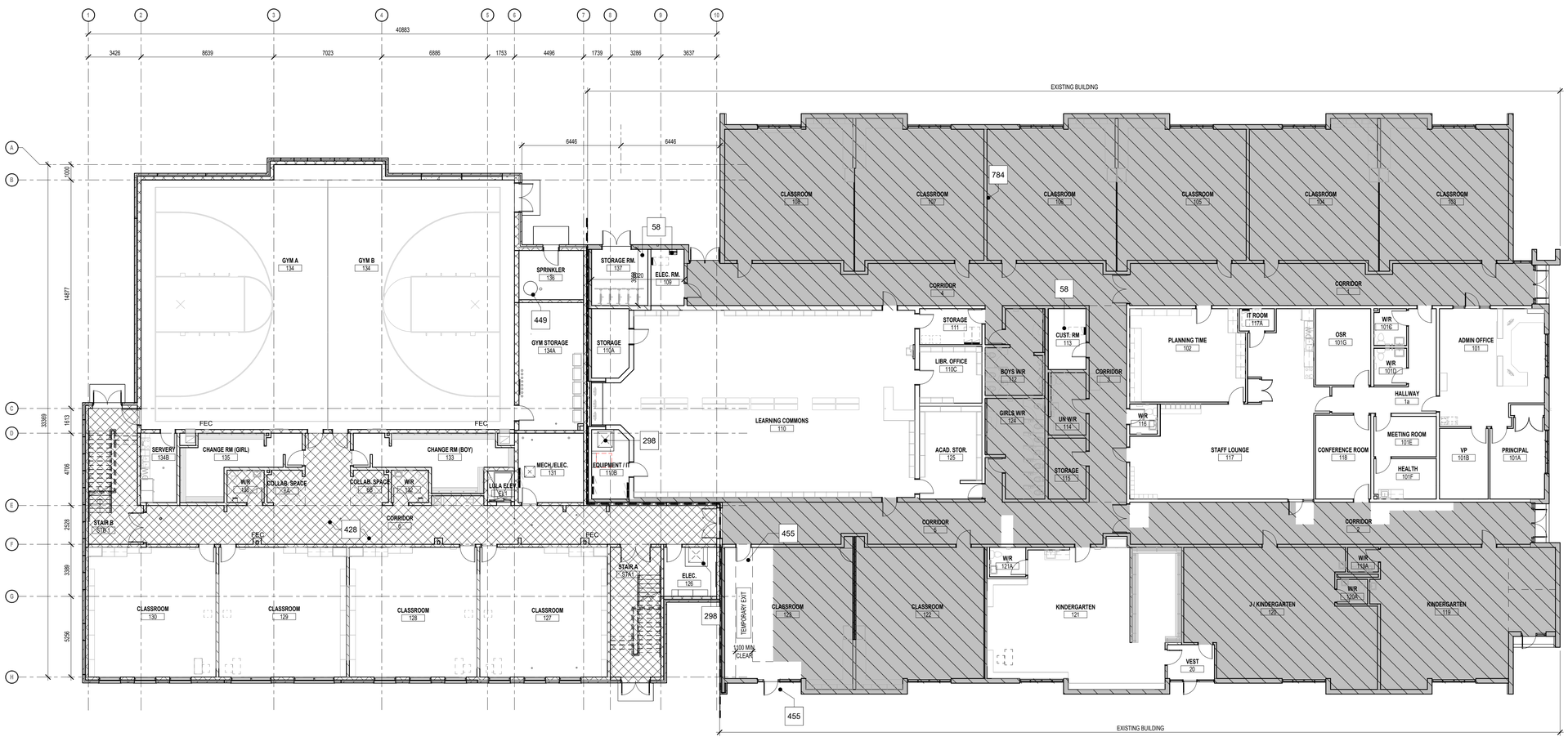
A0.73

Keynote Legend

Item	Description
58	GENERAL CONTRACTOR TO COORDINATE ALL WORK IN THIS AREA WITH MECHANICAL AND ELECTRICAL DRAWINGS
298	CONCRETE PAD (REFER TO ELECTRICAL).
428	HATCHED AREA DENOTES AREA TO DEPRESS CONC. SLAB 20mm FOR INSTALLING PORCELAIN TILE.
449	SUMP PIT. (REFER TO MECHANICAL)
455	ALL TEMPORARY EXITING (DOORS, PANIC HARDWARE, EXIT SIGNAGE, ETC.) TO BE IN PLACE BEFORE START OF PHASE 1; ANY MATERIALS REMOVED TO BE HELD AND SECURED BY GC UNTIL COMPLETION OF ADDITION AND REINSTATED BY GC WHEN REDUNDANT; UNSALVAGEABLE MATERIALS TO BE CARRIED FOR REPLACEMENT BY GC AS NECESSAR.
784	EXPANSION JOINT.



First Floor - Isometric View 2 A0.90



OVERALL FLOOR PLAN - LEVEL 1 1 A1.40 A0.90 1 : 150

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8	2026.04.24	Issued For Tender
7	2025.11.14	CoK Permit Comments
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

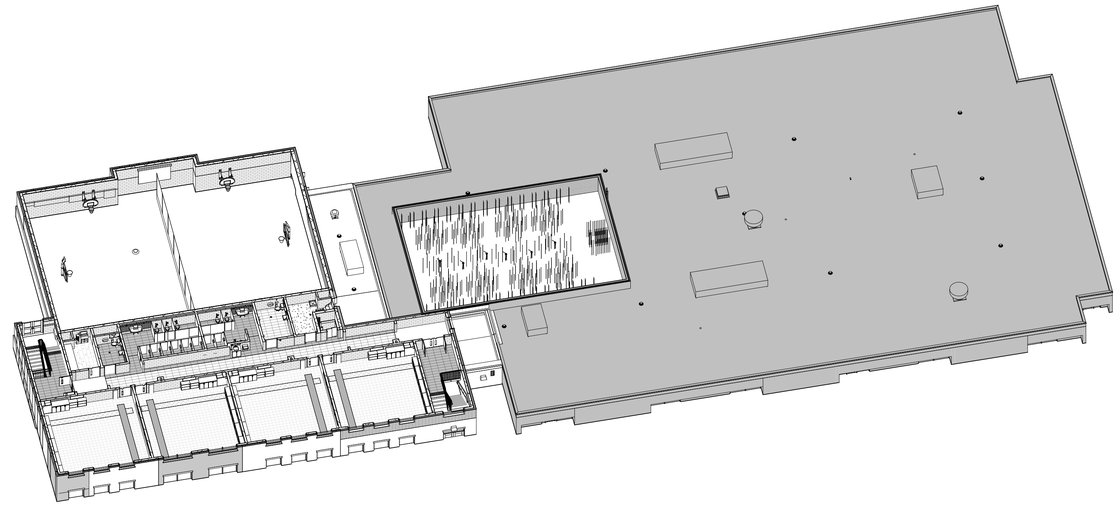
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PROPOSED FLOOR PLAN - LEVEL 1

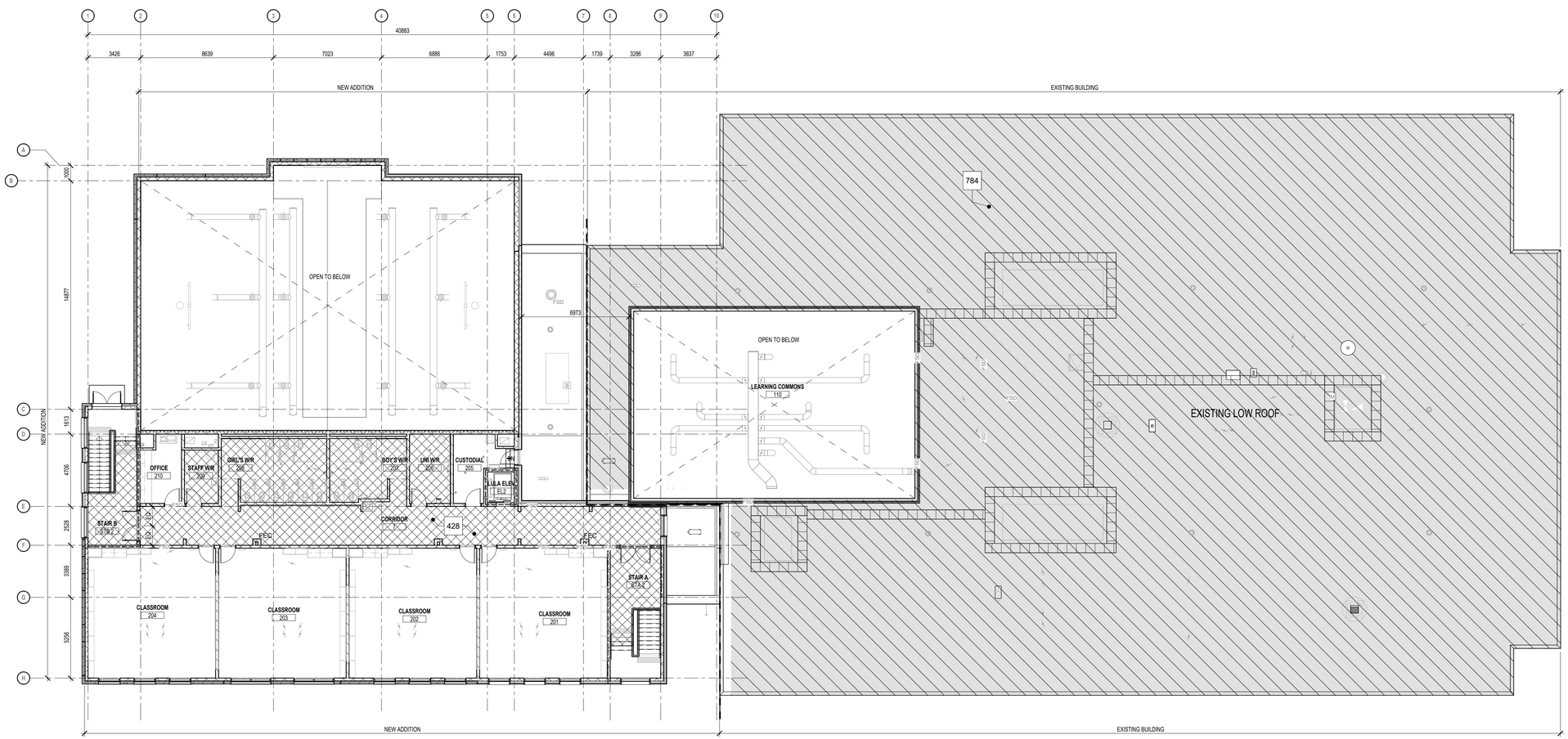
scale:	1 : 150
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:05:35 PM
drawing number:	A0.90

Keynote Legend

Item	Description
428	HATCHED AREA DENOTES AREA TO DEPRESS CONC. SLAB 20mm FOR INSTALLING PORCELAIN TILE.
784	EXPANSION JOINT.



Second Floor - Isometric View **2** A0.91



Proposed Floor Plan - Level 2 **1** A1.41 A0.91 1 : 150

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PROPOSED FLOOR PLAN - LEVEL 2

PN TN

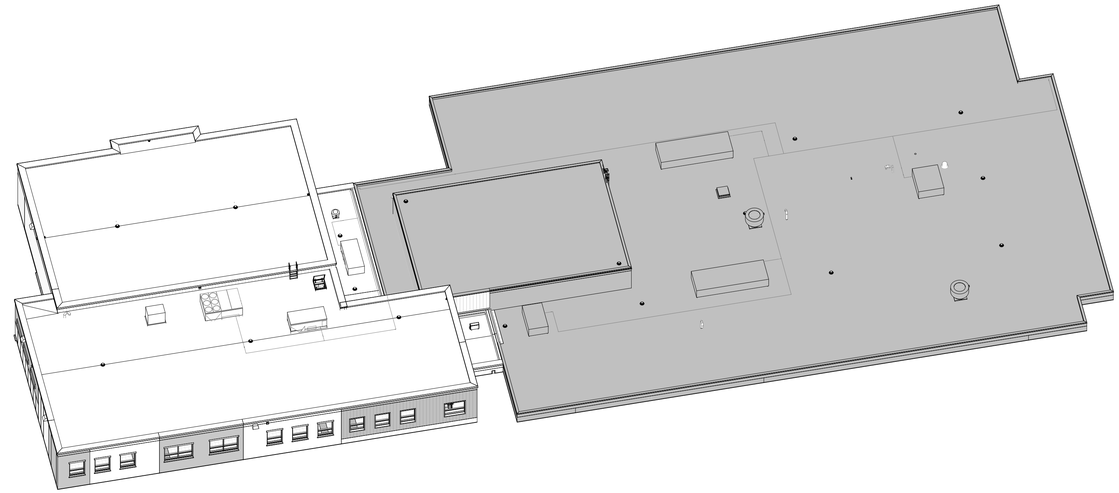
scale:	1 : 150
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:05:49 PM

drawing number:

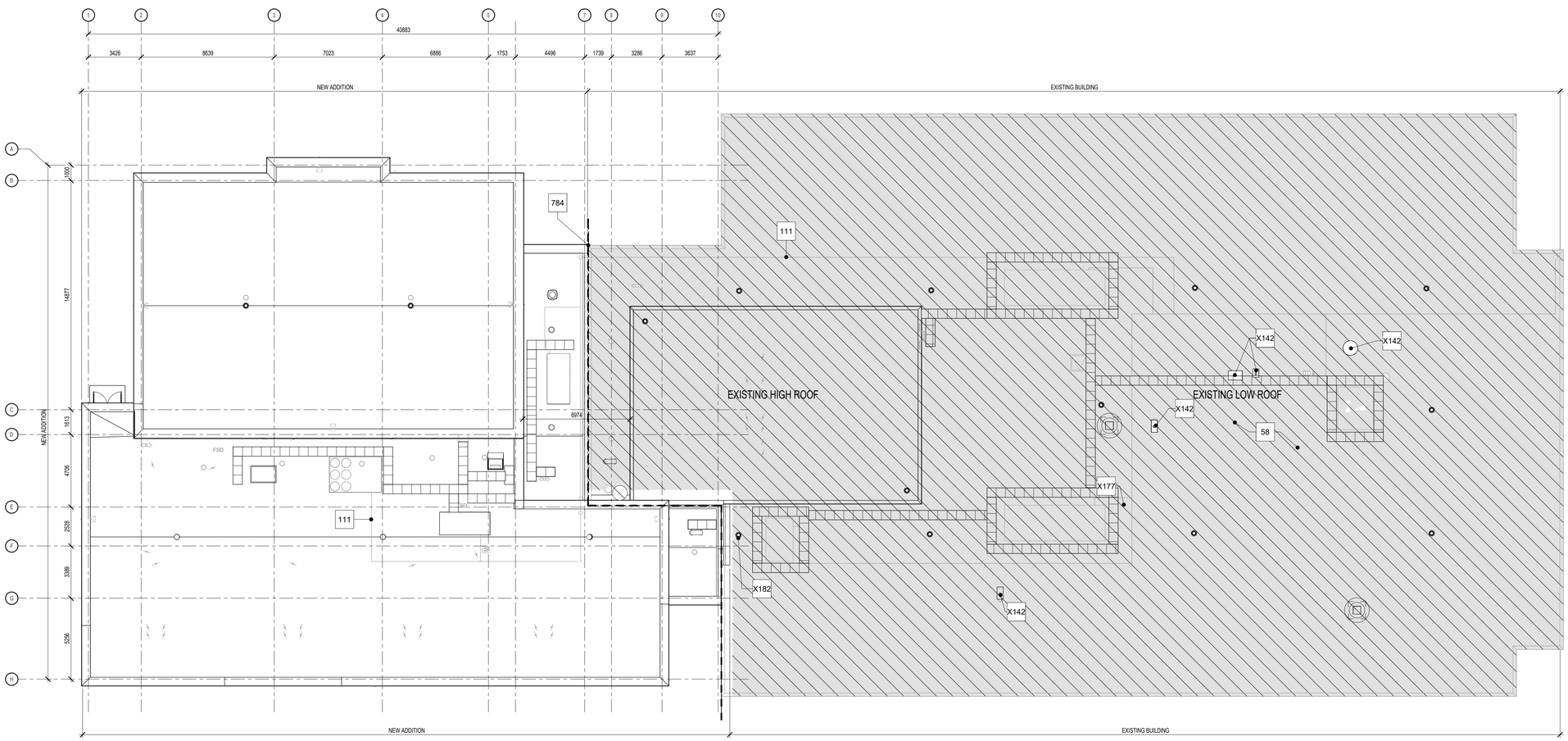
A0.91

Keynote Legend

Item	Description
58	GENERAL CONTRACTOR TO COORDINATE ALL WORK IN THIS AREA WITH MECHANICAL AND ELECTRICAL DRAWINGS
111	GAS LINE AND ROOF SUPPORTS. (REFER TO MECANICAL).
784	EXPANSION JOINT.
X142	GC TO COORDINATE ALL WORK ON THE ROOF WITH (STRUCTURAL, MECHANICAL AND ELECTRICAL). ROOFING SUBTRADE TO MAKE ALL PENETRATIONS WEATHER TIGHT WITH COMPATIBLE MATERIALS TO EXISTING.
X177	EXISTING GAS TO BE REMOVED AS REQUIRED TO FACILITATE NEW CONNECTION (REFER TO MECHANICAL DRAWINGS). GC TO REPLACE GAS LINES AND SUPPORTS WITH NEW (AS REQUIRED). EXISTING PLASTIC ROOFTOP SUPPORTS ARE TO BE REUSED. LOCATION AND QUANTITIES TO BE SITE VERIFIED.
X182	EXISTING ROOF DRAIN TO REMAIN. GC TO RELOCATE RWL TO NEW LOCATIONS. (REFER TO MECHANICAL).



Roof - Isometric View 2 A0.92



proposed Floor Plan - Level Roof 1 A4.01 A0.92 1 : 150

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PROPOSED FLOOR PLAN - LEVEL ROOF

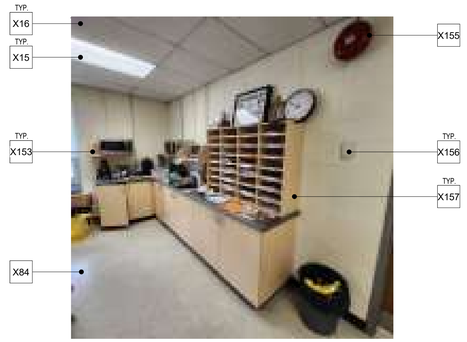
PN TN

scale:	1 : 150
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:05:59 PM
drawing number:	**A0.92**

Keynote Legend

Item	Description
X03	REMOVE AND DISPOSE OF PROPERLY EXISTING CARPET FLOORING AND WALL BASE. GRIND FLOOR AS REQUIRED TO ENSURE NEW FLOORING IS LEVEL WITH ADJACENT EXISTING FLOORING. MAKE FLOOR GOOD TO RECEIVE NEW FINISH. PROVIDE TRANSITION STRIP AS REQUIRED.
X05	REMOVE AND DISPOSE OF PROPERLY EXISTING WATER CLOSET. PREPARE SURFACE TO RECEIVE NEW PLUMBING FIXTURE. (REFER TO MECHANICAL DRAWINGS). GC TO PATCH, REPAIR AND FIELD MATCH EXISTING PAINT COLOURS FOR AREA OF WALLS DAMAGED DURING CONSTRUCTION (AS REQUIRED).
X15	REMOVE AND DISPOSE OF PROPERLY EXISTING LIGHT FIXTURES. (REFER TO ELECTRICAL DRAWINGS). (TYPICAL UNO)
X16	REMOVE AND DISPOSE OF PROPERLY EXISTING SUSPENDED CEILING TILE. CONTRACTOR TO ENSURE ALL EXISTING ITEMS ABOVE THE CEILING ARE PROTECTED AND LEFT IN A CONDITION TO RECEIVE NEW CEILING. MAKE SPACE READY TO RECEIVE NEW CEILING.
X23	REMOVE AND DISPOSE OF PROPERLY EXISTING MECHANICAL DIFFUSERS. (REFER TO MECHANICAL DRAWINGS).
X60	REMOVE AND DISPOSE OF EXISTING MIRROR. PATCH, REPAIR WALL AND MAKE READY TO RECEIVE NEW PAINT FINISH (AS REQUIRED). GC TO PROVIDE NEW MIRROR(S) (REFER TO WASHROOM ELEVATIONS AND SPECIFICATIONS).
X84	REMOVE AND DISPOSE OF EXISTING VCT FLOORING AND RUBBER BASE. GC TO GRIND/LEVEL AND MAKE SURFACE LEVEL WITH ADJACENT AREA TO RECEIVE NEW FINISH. [WORK TO BE PERFORMED UNDER SEPARATE PRICE]
X102	EXISTING LIGHT FIXTURES TO BE REMOVED AND DISPOSED OF PROPERLY
X129	REMOVE EXISTING COUNTERTOP, SINK, MILLWORK, AND DISPOSE OFF PROPERLY. GC TO PATCH, REPAIR AND FIELD MATCH EXISTING PAINT DAMAGED DURING CONSTRUCTION (AS REQUIRED)(TYPICAL).
X130	EXISTING TACKBOARD(S) TO BE REMOVED AND TURNED OVER TO THE OWNER. GC TO PATCH, REPAIR AND MAKE GOOD EXISTING CMU BLOCK WALL TO RECEIVE NEW FINISH.
X145	EXISTING DOOR/SCREEN TO BE REMOVED AND DISPOSED OF PROPERLY. GC TO TURN OVER ALL HARDWARE TO THE OWNER. GC TO INFILL OPENING WITH NEW CMU WALL CONSTRUCTION.
X147	EXISTING TV TO BE SALVAGED AND RETURNED TO OWNER (REFER TO ELECTRICAL DRAWINGS).
X148	REMOVE AND DISPOSE OF EXISTING ELECTRICAL DEVICES (REFER TO ELECTRICAL DRAWINGS).
X149	REMOVE AND DISPOSE OF EXISTING WALL MOUNTED ITEMS AND RETURN TO OWNER, GC TO PATCH AND REPAIR ANY DAMAGE TO EXISTING SURFACES TO REMAIN AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISH.
X150	REMOVE AND DISPOSE OF EXISTING WALL MOUNTED DEVICES AND ASSOCIATED ELECTRICAL (REFER TO ELECTRICAL DRAWINGS).
X151	EXISTING WHITEBOARD(S) TO BE REMOVED AND TURNED OVER TO THE OWNER. GC TO PATCH, REPAIR AND MAKE GOOD EXISTING CMU BLOCK WALL TO RECEIVE NEW FINISH.
X152	REMOVE AND DISPOSE OF PROPERLY EXISTING SMOKE DETECTORS AND ASSOCIATED ELECTRICAL, (REFER TO ELECTRICAL DRAWINGS).
X153	EXISTING TOWEL DISPENSER AND SOAP DISPENSER TO BE REMOVED AND TERURNED TO CLIENT.
X154	REMOVE EXISTING SINK AND DISPOSE OF PROPERLY.
X155	REMOVE AND DISPOSE OF PROPERLY EXISTING FIRE ALARM BELL AND ASSOCIATED ELECTRICAL, (REFER TO ELECTRICAL DRAWINGS).
X156	REMOVE AND DISPOSE OF PROPERLY EXISTING HVAC CONTROLS, (REFER TO MECHANICAL & ELECTRICAL DRAWINGS).
X157	EXISTING MILLWORK TO BE REMOVED AND DISPOSED OF PROPERLY. GC TO PATCH AND REPAIR ANY DAMAGE TO FLOORING OR WALLS AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISHES. GC TO APPLY TOUCH-UP PAINT IN UNFINISHED AREAS OF EXISTING WALL. COLOUR TO MATCH EXISTING SURFACES.
X158	REMOVE AND DISPOSE OF PROPERLY EXISTING GYPSUM CEILING. CONTRACTOR TO ENSURE ALL EXISTING ITEMS ABOVE CEILING ARE PROTECTED AND LEFT IN A CONDITION TO RECEIVE NEW CEILING. MAKE SPACE READY TO RECEIVE NEW CEILING.
X159	EXISTING PARTITION TO BE REMOVED FULL HEIGHT AND DISPOSED OF PROPERLY.

PHOTO 12



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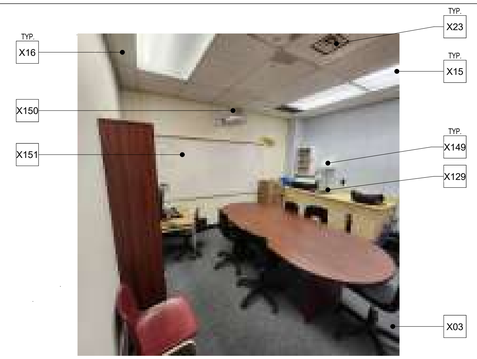

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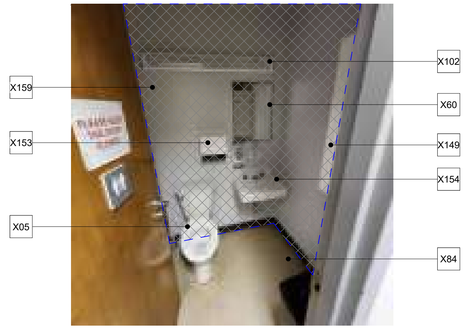

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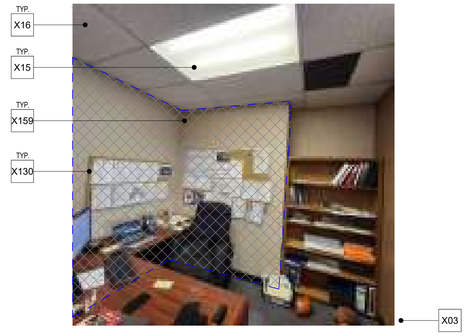

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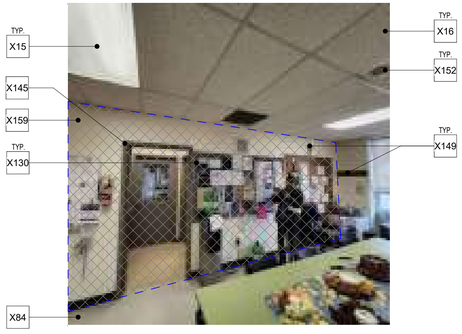

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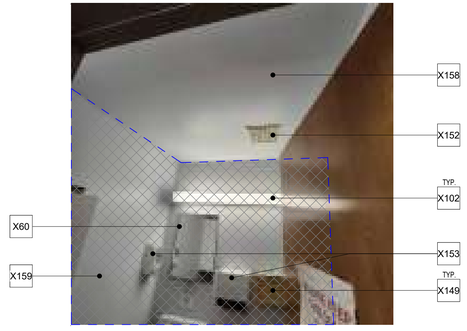

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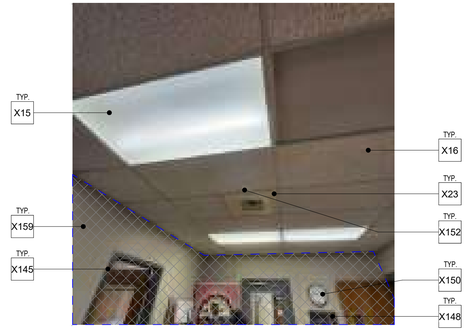

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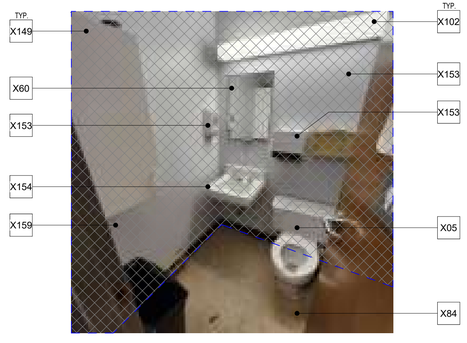

PHOTO 5

PHOTO 1

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
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3	2025.08.29	90% Client Review
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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

DEMOLITION PHOTOS - LEVEL 1

scale:	1 : 100
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:06:07 PM

drawing number:

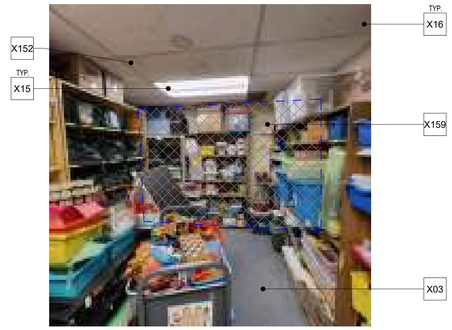
A1.30a

Keynote Legend

Item	Description
X03	REMOVE AND DISPOSE OF PROPERLY EXISTING CARPET FLOORING AND WALL BASE. GRIND FLOOR AS REQUIRED TO ENSURE NEW FLOORING IS LEVEL WITH ADJACENT EXISTING FLOORING. MAKE FLOOR GOOD TO RECEIVE NEW FINISH. PROVIDE TRANSITION STRIP AS REQUIRED.
X15	REMOVE AND DISPOSE OF PROPERLY EXISTING LIGHT FIXTURES. (REFER TO ELECTRICAL DRAWINGS). (TYPICAL UNO)
X16	REMOVE AND DISPOSE OF PROPERLY EXISTING SUSPENDED CEILING TILE. CONTRACTOR TO ENSURE ALL EXISTING ITEMS ABOVE THE CEILING ARE PROTECTED AND LEFT IN A CONDITION TO RECEIVE NEW CEILING. MAKE SPACE READY TO RECEIVE NEW CEILING.
X23	REMOVE AND DISPOSE OF PROPERLY EXISTING MECHANICAL DIFFUSERS. (REFER TO MECHANICAL DRAWINGS).
X43	EXISTING MILLWORK AND ADJUSTABLE SHELFING TO BE REMOVED AND DISPOSED OF PROPERLY. GC TO PATCH AND REPAIR ANY DAMAGE TO FLOORING OR WALLS AFTER DEMOLITION AND MAKE SURFACE READY TO RECEIVE NEW MILLWORK. GC TO COORDINATE THE LOCATION OF NEW UPPERS AND APPLY TOUCH-UP PAINT IN UNFINISHED AREAS OF EXISTING WALL. COLOUR TO MATCH EXISTING SURFACES.
X84	REMOVE AND DISPOSE OF EXISTING VCT FLOORING AND RUBBER BASE. GC TO GRIND/LEVEL AND MAKE SURFACE LEVEL WITH ADJACENT AREA TO RECEIVE NEW FINISH. [WORK TO BE PERFORMED UNDER SEPARATE PRICE]
X96	GC TO REMOVE AND DISPOSE OF EXISTING SPORTS FLOORING AND RUBBER BASE. GC TO GRIND/LEVEL AND MAKE SURFACE LEVEL WITH ADJACENT AREA TO RECEIVE NEW SPORTS FLOOR FINISH. (APPROX. 500 SF) - MATCH COLOUR AND THICKNESS OF EXISTING.
X125	REMOVE CAREFULLY AND STORE ONSITE PORTION OF EXISTING CURTAIN WALL SYSTEM (INCLUDING MULLIONS, GLAZING, METAL PANEL, ETC. MAKE THE OPENING GOOD TO RECEIVE THE NEW CURTAIN WALL DOOR SYSTEM. GC TO COORDINATE REQUIREMENTS WITH CURTAIN WALL MANUFACTURER REQUIREMENTS. GC TO MAKE OPENING WEATHER TIGHT. GC. TO REINSTATE ORIGINAL WINDOW, ETC. AFTER THE TEMPORARY EXIT IS NOT REQUIRED BEFORE FULL OCCUPANCY, AND ONCE THE NEW ADDITION HAS BEEN COMPLETED.
X127	EXISTING MILLWORK TO BE REMOVED CAREFULLY AND STORED ONSITE FOR REINSTALLATION AT THE SAME LOCATION ONCE CONSTRUCTION IS COMPLETED. GC TO PATCH AND REPAIR ANY EXISTING SURFACE THAT HAS BEEN DAMAGED OR LEFT UNFINISHED AFTER REMOVAL.
X129	REMOVE EXISTING COUNTERTOP, SINK, MILLWORK, AND DISPOSE OFF PROPERLY. GC TO PATCH, REPAIR AND FIELD MATCH EXISTING PAINT DAMAGED DURING CONSTRUCTION (AS REQUIRED)(TYPICAL).
X130	EXISTING TACKBOARD(S) TO BE REMOVED AND TURNED OVER TO THE OWNER. GC TO PATCH, REPAIR AND MAKE GOOD EXISTING CMU BLOCK WALL TO RECEIVE NEW FINISH.
X132	EXISTING CMU BLOCK WALL TO BE REMOVED CAREFULLY.GC TO PATCH AND REPAIR ANY DAMAGE TO FLOORING OR WALLS AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW MILLWORK. GC TO COORDINATE THE LOCATION OF NEW UPPERS AND APPLY TOUCH-UP PAINT IN UNFINISHED AREAS OF EXISTING WALLS. COLOUR TO MATCH EXISTING SURFACES.
X145	EXISTING DOOR/SCREEN TO BE REMOVED AND DISPOSED OF PROPERLY. GC TO TURN OVER ALL HARDWARE TO THE OWNER. GC TO INFILL OPENING WITH NEW CMU WALL CONSTRUCTION.
X148	REMOVE AND DISPOSE OF EXISTING ELECTRICAL DEVICES (REFER TO ELECTRICAL DRAWINGS).
X149	REMOVE AND DISPOSE OF EXISTING WALL MOUNTED ITEMS AND RETURN TO OWNER, GC TO PATCH AND REPAIR ANY DAMAGE TO EXISTING SURFACES TO REMAIN AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISH.
X151	EXISTING WHITEBOARD(S) TO BE REMOVED AND TURNED OVER TO THE OWNER. GC TO PATCH, REPAIR AND MAKE GOOD EXISTING CMU BLOCK WALL TO RECEIVE NEW FINISH.
X152	REMOVE AND DISPOSE OF PROPERLY EXISTING SMOKE DETECTORS AND ASSOCIATED ELECTRICAL, (REFER TO ELECTRICAL DRAWINGS).
X153	EXISTING TOWEL DISPENSER AND SOAP DISPENSER TO BE REMOVED AND TERURNED TO CLIENT.
X155	REMOVE AND DISPOSE OF PROPERLY EXISTING FIRE ALARM BELL AND ASSOCIATED ELECTRICAL, (REFER TO ELECTRICAL DRAWINGS).
X157	EXISTING MILLWORK TO BE REMOVED AND DISPOSED OF PROPERLY. GC TO PATCH AND REPAIR ANY DAMAGE TO FLOORING OR WALLS AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISHES. GC TO APPLY TOUCH-UP PAINT IN UNFINISHED AREAS OF EXISTING WALL. COLOUR TO MATCH EXISTING SURFACES.
X159	EXISTING PARTITION TO BE REMOVED FULL HEIGHT AND DISPOSED OF PROPERLY.
X160	REMOVE AND DISPOSE PROPERLY OF EXISTING WOOD BULKHEAD / CEILING FEATURE.
X162	EXISTING PADDED WALL MATS C/W EXISTING FASTENING SYSTEM TO BE REMOVED. GC TO PATCH AND REPAIR ANY DAMANGES TO EXISTING SURFACES TO REMAIN AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISHES.
X163	REMOVE EXISTING SPORTS NET AND RETURN TO OWNER. GC TO PATCH AND REPAIR ANY DAMAGES TO EXISTING SURFACES TO REMAIN AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISHES.
X174	REMOVE AND DISPOSE OF EXISTING CLEANOUT AND/OR FLOOR DRAIN. GC TO PROVIDE CUTTING AND PATCHING OF CONCRETE AS REQUIRED AND REPLACE WITH NEW AS REQUIRED.

PHOTO 24

PHOTO 20



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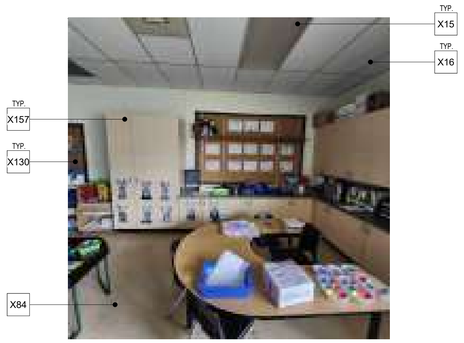

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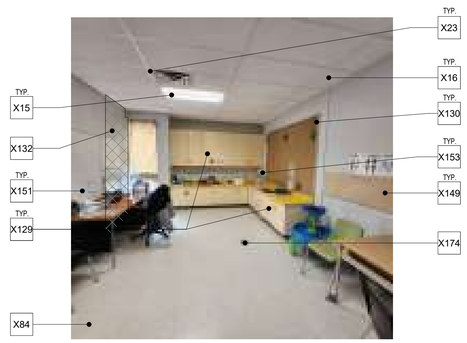

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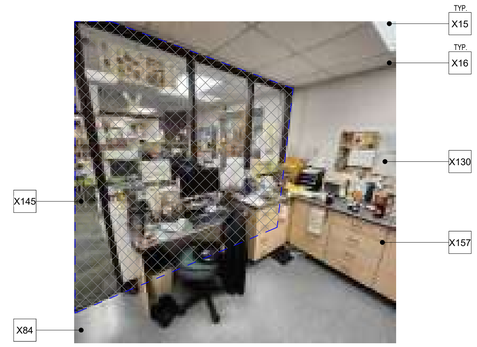

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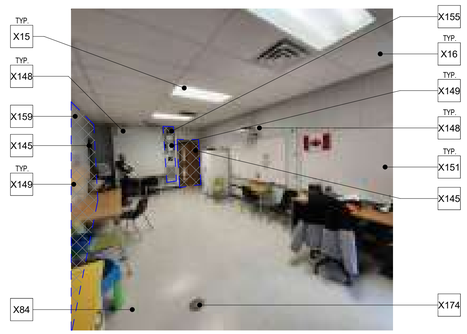

PHOTO 18

PHOTO 14

PHOTO 21

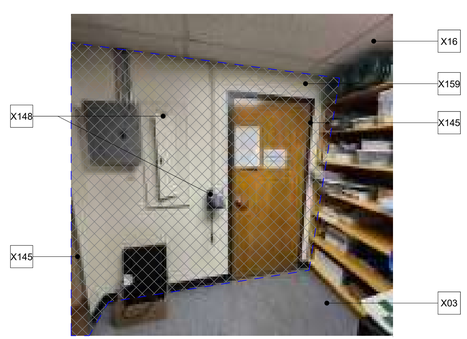

PHOTO 17

PHOTO 13

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

DEMOLITION PHOTOS - LEVEL 1

scale:	1 : 100
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:06:15 PM

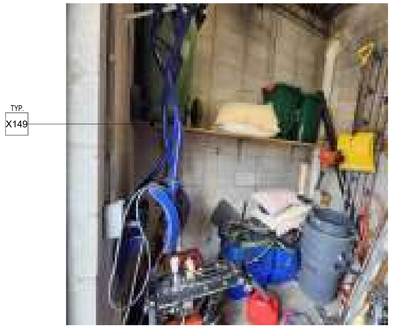
drawing number:

A1.30b

Keynote Legend

Item	Description
58	GENERAL CONTRACTOR TO COORDINATE ALL WORK IN THIS AREA WITH MECHANICAL AND ELECTRICAL DRAWINGS
X15	REMOVE AND DISPOSE OF PROPERLY EXISTING LIGHT FIXTURES. (REFER TO ELECTRICAL DRAWINGS). (TYPICAL UNO)
X16	REMOVE AND DISPOSE OF PROPERLY EXISTING SUSPENDED CEILING TILE. CONTRACTOR TO ENSURE ALL EXISTING ITEMS ABOVE THE CEILING ARE PROTECTED AND LEFT IN A CONDITION TO RECEIVE NEW CEILING. MAKE SPACE READY TO RECEIVE NEW CEILING.
X84	REMOVE AND DISPOSE OF EXISTING VCT FLOORING AND RUBBER BASE. GC TO GRIND/LEVEL AND MAKE SURFACE LEVEL WITH ADJACENT AREA TO RECEIVE NEW FINISH. [WORK TO BE PERFORMED UNDER SEPARATE PRICE]
X96	GC TO REMOVE AND DISPOSE OF EXISTING SPORTS FLOORING AND RUBBER BASE. GC TO GRIND/LEVEL AND MAKE SURFACE LEVEL WITH ADJACENT AREA TO RECEIVE NEW SPORTS FLOOR FINISH. (APPROX. 500 SF) - MATCH COLOUR AND THICKNESS OF EXISTING.
X131	GC TO CHIP EXISTING CONCRETE RAMP TO RECEIVE NEW CIP CONCRETE SLAB. GC TO MATCH NEW SLAB ELEVATION WITH EXISTING ADJACENT FINISHED FLOOR ELEVATION. GC TO PROVIDE MINIMUM R15 UNDER-SLAB RIGID INSULATION AND VAPOUR BARRIER.
X137	LOCATION OF NEW ADDITION AND EXCAVATION. GC TO REMOVE EXISTING ASPHALT AND DISPOSE OF. (COORDINATE WORK IN THIS AREA WITH ALL CONSULANTS' WORK).
X145	EXISTING DOOR/SCREEN TO BE REMOVED AND DISPOSED OF PROPERLY. GC TO TURN OVER ALL HARDWARE TO THE OWNER. GC TO INFILL OPENING WITH NEW CMU WALL CONSTRUCTION.
X146	REMOVE AND DISPOSE OF EXISTING MASONRY CLADDING.
X148	REMOVE AND DISPOSE OF EXISTING ELECTRICAL DEVICES (REFER TO ELECTRICAL DRAWINGS).
X149	REMOVE AND DISPOSE OF EXISTING WALL MOUNTED ITEMS AND RETURN TO OWNER, GC TO PATCH AND REPAIR ANY DAMAGE TO EXISTING SURFACES TO REMAIN AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISH.
X152	REMOVE AND DISPOSE OF PROPERLY EXISTING SMOKE DETECTORS AND ASSOCIATED ELECTRICAL. (REFER TO ELECTRICAL DRAWINGS).
X163	REMOVE EXISTING SPORTS NET AND RETURN TO OWNER. GC TO PATCH AND REPAIR ANY DAMAGES TO EXISTING SURFACES TO REMAIN AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISHES.
X164	EXISTING CMU BLOCK WALL TO BE REMOVED CAREFULLY. GC TO PATCH AND REPAIR ANY DAMAGES TO EXISTING SURFACES TO REMAIN AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISHES.
X165	EXISTING WOOD PRIVACY PARTITION AND SUPPORT ROD TO BE REMOVED AND DISPOSED OF PROPERLY. GC TO PATCH AND REPAIR ANY DAMAGES TO EXISTING SURFACES TO REMAIN AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISHES.
X166	REMOVE AND DISPOSE OF PROPERLY EXTERIOR WALL SIGNAGE.
X169	DASHED LINE INDICATES EXISTING METAL FLASHING AND ALL ASSOCIATED ITEMS TO BE REMOVED AND DISPOSED OF PROPERLY.
X170	REMOVE AND DISPOSE OF PROPERLY EXISTING EXTERIOR WALL ASSEMBLY, FULL HEIGHT INCLUDING FOUNDATION WALLS. GC TO PATCH AND REPAIR ANY DAMAGES TO EXISTING SURFACES TO REMAIN AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISHES.(REFER TO STRUCTURAL).
X190	AT LOCATIONS OF EXISTING ASPHALT TO REMAIN, WATERBLAST, AND REMOVE EXISTING PLAYGROUND PAINTED LINES. NEW PAINTED LINE LOCATION(S) TO BE DETERMINED BY OWNER.
X191	REMOVE AND DISPOSE OF EXISTING PLAYGROUND EQUIPMENT.
X195	PORTION OF EXISTING ROOF AND SUPPORTING STRUCTURE TO BE REMOVED AND DISPOSED OF. GC TO ENSURE ALL EXISTING ADJACENT WALL SYSTEMS ARE PROTECTED DURING ALL PHASES OF CONSTRUCTION. (REFER TO STRUCTURE).
X198	GENERAL CONTRACTOR TO REMOVE APPROXIMATELY 200mm SECTION FULL HEIGHT OF EXISTING BRICK AND RIGID INSULATION BACK TO EXISTING AIR/VAPOUR BARRIER FOR INSTALLATION OF NEW AIR/VAPOUR RETARDER OVER ADJUSTABLE GIRT. REFER TO DETAILS.

PHOTO 36



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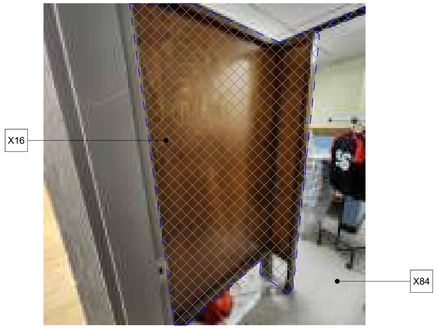

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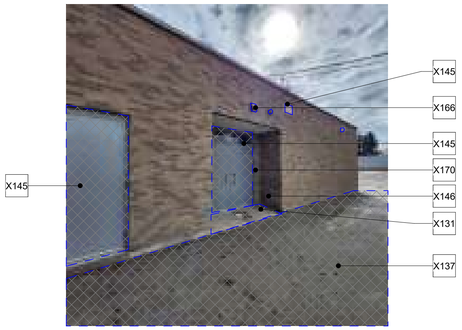

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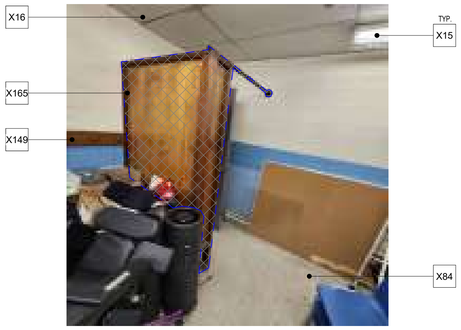

PHOTO 27

PHOTO 34

PHOTO 30

PHOTO 26

PHOTO 33

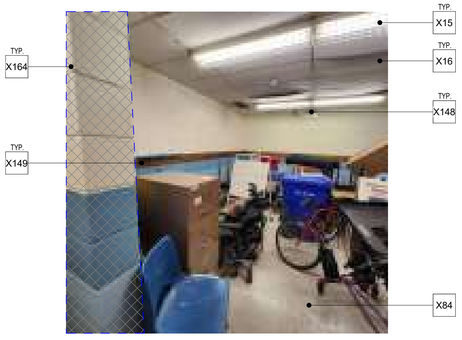

PHOTO 29

PHOTO 25

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

DEMOLITION PHOTOS - LEVEL 1

scale:	1 : 100
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:06:23 PM

drawing number:

A1.30c

Keynote Legend

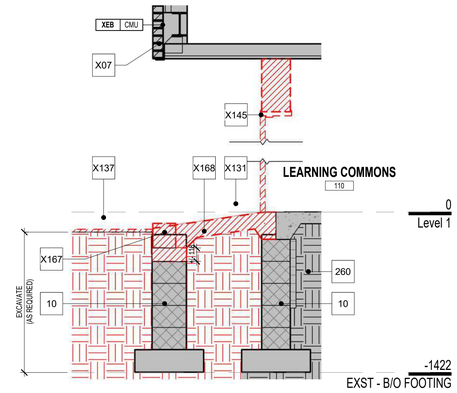
Item	Description
10	EXISTING FOUNDATION (REFER TO STRUCTURAL)
58	GENERAL CONTRACTOR TO COORDINATE ALL WORK IN THIS AREA WITH MECHANICAL AND ELECTRICAL DRAWINGS
260	EXISTING SUBGRADE.
X02	GC TO REMOVE THE EXISTING COUNTERTOP AND FAUCET, DISPOSE OF THEM PROPERLY, AND REPLACE WITH NEW QUARTZ COUNTERTOP (COLOUR TO BE DETERMINED BY OWNER FROM STANDARD COLOUR SELECTION ON-SITE PROVIDED BY GC). GC TO PATCH, REPAIR AND FIELD MATCH EXISTING PAINT COLOURS FOR AREAS OF WALLS DAMAGED DURING CONSTRUCTION (AS REQUIRED). GC TO SUPPLY AND INSTALL A NEW LEVER-TYPE FAUCET.
X03	REMOVE AND DISPOSE OF PROPERLY EXISTING CARPET FLOORING AND WALL BASE. GRIND FLOOR AS REQUIRED TO ENSURE NEW FLOORING IS LEVEL WITH ADJACENT EXISTING FLOORING. MAKE FLOOR GOOD TO RECEIVE NEW FINISH. PROVIDE TRANSITION STRIP AS REQUIRED.
X07	EXISTING BRICK VENEER TO REMAIN. GENERAL CONTRACTOR TO PROTECT, PATCH, MAKE GOOD ANY DAMAGE TO BRICK DURING CONSTRUCTION.
X32	REMOVE AND DISPOSE OF ALL EXISTING INTERIOR SIGNAGE. GC TO PATCH/REPAIR/PAINT (COLOUR TO BE FIELD MATCHED TO EXISTING) AND MAKE WALL READY TO RECEIVE NEW SIGNAGE. (SCOPE OF WORK TO BE INCLUDED IN BASE BID, SUPPLY AND INSTALLATION UNDER CASH ALLOWANCE).
X36	EXISTING MILLWORK TO REMAIN. GC TO PROTECT DURING ALL PHASES OF CONSTRUCTION.
X38	REMOVE EXISTING KITCHEN EQUIPMENT, (FRIDGE AND STOVE ETC.) PROTECT AND STORE ON SITE FOR REUSE AND REINSTALLATION AT SAME LOCATION ONCE CONSTRUCTION IS COMPLETED.
X43	EXISTING MILLWORK AND ADJUSTABLE SHELFING TO BE REMOVED AND DISPOSED OF PROPERLY. GC TO PATCH AND REPAIR ANY DAMAGE TO FLOORING OR WALLS AFTER DEMOLITION AND MAKE SURFACE READY TO RECEIVE NEW MILLWORK. GC TO COORDINATE THE LOCATION OF NEW UPPERS AND APPLY TOUCH-UP PAINT IN UNFINISHED AREAS OF EXISTING WALL. COLOUR TO MATCH EXISTING SURFACES.
X81	REMOVE EXISTING SINK AND DISPOSE OF PROPERLY. GC TO PATCH, REPAIR AND FIELD MATCH EXISTING PAINT COLOURS FOR AREA OF WALLS DAMAGED DURING CONSTRUCTION (AS REQUIRED).
X84	REMOVE AND DISPOSE OF EXISTING VCT FLOORING AND RUBBER BASE. GC TO GRIND/LEVEL AND MAKE SURFACE LEVEL WITH ADJACENT AREA TO RECEIVE NEW FINISH. [WORK TO BE PERFORMED UNDER SEPARATE PRICE].
X96	GC TO REMOVE AND DISPOSE OF EXISTING SPORTS FLOORING AND RUBBER BASE. GC TO GRIND/LEVEL AND MAKE SURFACE LEVEL WITH ADJACENT AREA TO RECEIVE NEW SPORTS FLOOR FINISH. (APPROX. 500 SF) - MATCH COLOUR AND THICKNESS OF EXISTING.
X106	EXISTING INTERIOR DOORS/SCREENS TO BE REMOVED AND DISPOSED OF PROPERLY. GENERAL CONTRACTOR TO REPLACE WITH NEW SIMILAR STYLE AND FIRE RATING, (GC TO SITE VERIFY ALL LOCATIONS PRIOR TO ORDERING). (COLOUR OF DOOR AND FRAME TO BE FIELD VERIFIED FROM STANDARD COLOUR SELECTION SAMPLES PROVIDED BY GC).
X123	EXISTING BASKETBALL EQUIPMENT AND ALL ASSOCIATED ITEMS/SUPPORTS TO BE CAREFULLY REMOVED AND TURNED OVER TO THE OWNER (TYPICAL AT ALL LOCATIONS).
X124	EXISTING CMU BLOCK WALL TO BE REMOVED CAREFULLY TO RECEIVE NEW OPENING.
X125	REMOVE CAREFULLY AND STORE ONSITE PORTION OF EXISTING CURTAIN WALL SYSTEM (INCLUDING MULLIONS, GLAZING, METAL PANEL, ETC. MAKE THE OPENING GOOD TO RECEIVE THE NEW CURTAIN WALL DOOR SYSTEM. GC TO COORDINATE REQUIREMENTS WITH CURTAIN WALL MANUFACTURER REQUIREMENTS. GC TO MAKE OPENING WEATHER TIGHT. GC. TO REINSTATE ORIGINAL WINDOW, ETC. AFTER THE TEMPORARY EXIT IS NOT REQUIRED BEFORE FULL OCCUPANCY, AND ONCE THE NEW ADDITION HAS BEEN COMPLETED.
X127	EXISTING MILLWORK TO BE REMOVED CAREFULLY AND STORED ONSITE FOR REINSTALLATION AT THE SAME LOCATION ONCE CONSTRUCTION IS COMPLETED. GC TO PATCH AND REPAIR ANY EXISTING SURFACE THAT HAS BEEN DAMAGED OR LEFT UNFINISHED AFTER REMOVAL.
X129	REMOVE EXISTING COUNTERTOP, SINK, MILLWORK, AND DISPOSE OFF PROPERLY. GC TO PATCH, REPAIR AND FIELD MATCH EXISTING PAINT DAMAGED DURING CONSTRUCTION (AS REQUIRED)(TYPICAL).
X130	EXISTING TACKBOARD(S) TO BE REMOVED AND TURNED OVER TO THE OWNER. GC TO PATCH, REPAIR AND MAKE GOOD EXISTING CMU BLOCK WALL TO RECEIVE NEW FINISH.
X131	GC TO CHIP EXISTING CONCRETE RAMP TO RECEIVE NEW CIP CONCRETE SLAB. GC TO MATCH NEW SLAB ELEVATION WITH EXISTING ADJACENT FINISHED FLOOR ELEVATION. GC TO PROVIDE MINIMUM R15 UNDER-SLAB RIGID INSULATION AND VAPOUR BARRIER.
X132	EXISTING CMU BLOCK WALL TO BE REMOVED CAREFULLY.GC TO PATCH AND REPAIR ANY DAMAGE TO FLOORING OR WALLS AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW MILLWORK. GC TO COORDINATE THE LOCATION OF NEW UPPERS AND APPLY TOUCH-UP PAINT IN UNFINISHED AREAS OF EXISTING WALLS. COLOUR TO MATCH EXISTING SURFACES.
X133	REMOVE AND DISPOSE OF EXISTING MECHANICAL LOUVER (REFER TO MECHANICAL)
X134	REMOVE AND DISPOSE OF EXISTING DRINKING FOUNTAIN AND ASSOCIATED PLUMBING (REFER TO MECHANICAL).
X137	LOCATION OF NEW ADDITION AND EXCAVATION. GC TO REMOVE EXISTING ASPHALT AND DISPOSE OF. (COORDINATE WORK IN THIS AREA WITH ALL CONSULANTS' WORK).
X140	REMOVE AND DISPOSE OF EXISTING FLOORING. MAKE SURFACE LEVEL (GRIND AS REQUIRED) WITH THE ADJACENT AREA AND MAKE READY TO RECEIVE THE NEW FINISH.
X145	EXISTING DOOR/SCREEN TO BE REMOVED AND DISPOSED OF PROPERLY. GC TO TURN OVER ALL HARDWARE TO THE OWNER. GC TO INFILL OPENING WITH NEW CMU WALL CONSTRUCTION.
X146	REMOVE AND DISPOSE OF EXISTING MASONRY CLADDING.
X164	EXISTING CMU BLOCK WALL TO BE REMOVED CAREFULLY. GC TO PATCH AND REPAIR ANY DAMAGES TO EXISTING SURFACES TO REMAIN AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISHES.
X167	REMOVE AND DISPOSE OF PROPERLY ONE CMU BLOCK COURSE +/- AS REQUIRED FOR NEW THICKENED SLAB (REFER TO STRUCTURAL), GC TO PROTECT EXISTING FOUNDATION WALL DURING DEMOLITION/CONSTRUCTION.
X168	COMPACT GRANULAR SUBGRADE TO PREPARE FOR NEW SLAB ON GRADE (REFER TO STRUCTURAL).
X170	REMOVE AND DISPOSE OF PROPERLY EXISTING EXTERIOR WALL ASSEMBLY, FULL HEIGHT INCLUDING FOUNDATION WALLS. GC TO PATCH AND REPAIR ANY DAMAGES TO EXISTING SURFACES TO REMAIN AFTER DEMOLITION AND MAKE THE SURFACE READY TO RECEIVE NEW FINISHES.(REFER TO STRUCTURAL).
X172	EXISTING STORM PIPING TO RECEIVE NEW CONNECTION (REFER TO MECHANICAL DRAWINGS).
X184	EXISTING IT CABINET. GC TO PROTECT EXISTING INFRASTRUCTURE DURING DEMOLITION/CONSTRUCTION.
X196	GC TO REMOVE AND DISPOSE OF EXISTING PLAM COUNTERTOP AND REPLACE WITH NEW. EXISTING DESK AND BOOK CART TO BE REMOVED CAREFULLY, STORED, AND SECURED BY GC UNTIL COMPLETION OF RENOVATION. INSTALLATION AT NEW LOCATION BY GC WHEN APPROPRIATE, SALVAGEABLE MATERIALS TO BE CARRIED FOR REPLACEMENT BY GC AS NECESSARY.
X197	GC TO COORDINATE PARTIAL REMOVAL OF THE SOG. FOR UNDER SLAB WORK WITH MEP DRAWINGS AT ALL LOCATIONS. GC TO BACKFILL, COMPACT GRANULAR FILL, AND INSTALL REINFORCING TO MATCH EXISTING CONDITION. GC TO MAKE FINISH LEVEL WITH ADJACENT EXISTING SURFACES AND MAKE READY TO RECEIVE NEW FINISHES, OR INFILL WITH EXISTING FIELD-MATCHED FINISHES INCLUDING BASE.
X198	GENERAL CONTRACTOR TO REMOVE APPROXIMATELY 200mm SECTION FULL HEIGHT OF EXISTING BRICK AND RIGID INSULATION BACK TO EXISTING AIR/VAPOUR BARRIER FOR INSTALLATION OF NEW AIR/VAPOUR RETARDER OVER ADJUSTABLE GIRT. REFER TO DETAILS

GENERAL NOTES:

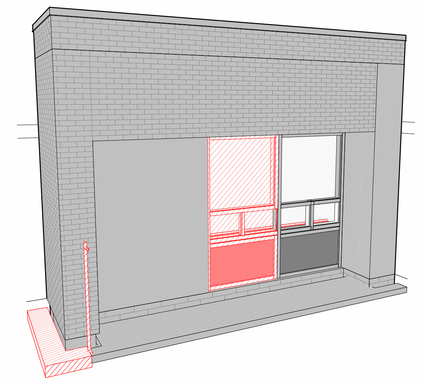
1. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR WILL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS REQUIRED TO PERFORM THE WORK AND WILL REPORT ANY DISCREPANCIES WITH THE CONTRACT DOCUMENTS TO THE ARCHITECT BEFORE COMMENCING WORK.
2. THE ARCHITECTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS INCLUDING THE PROJECT MANUALS AND THE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. IN CASES OF DIFFERENCE BETWEEN THE CONSULTANTS' DOCUMENTS WITH RESPECT TO THE QUANTITY, SIZES OR SCOPE OF WORK, THE GREATER SHALL APPLY.
3. POSITIONS OF EXPOSED OR FINISHED MECHANICAL OR ELECTRICAL DEVICES, FITTINGS AND FIXTURES ARE INDICATED ON THE ARCHITECTURAL DRAWINGS. LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL GOVERN OVER MECHANICAL AND ELECTRICAL DRAWINGS. MECHANICAL AND ELECTRICAL ITEMS NOT CLEARLY LOCATED WILL BE LOCATED AS DIRECTED BY THE ARCHITECT.
4. DIMENSIONS INDICATED ARE TAKEN BETWEEN THE FACES OF FINISHED SURFACES UNLESS OTHERWISE NOTED.
5. SITE VERIFY ALL DIMENSIONS, CONDITIONS, AND LEVELS ON SITE PRIOR TO FABRICATIONS AND INSTALLATIONS.
6. ALL DISCREPANCIES BETWEEN CONDITIONS SHOWN AND SITE CONDITIONS ARE TO BE REPORTED TO THE ARCHITECT.
7. THE ARCHITECT HAS NOT BEEN RETAINED FOR SUPERVISION OF CONSTRUCTION AND ASSUMES NO RESPONSIBILITY FOR MEANS, METHODS AND TECHNQUES OF CONSTRUCTION.
8. THESE DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY NOTED FOR SUCH PURPOSE.

DEMOLITION PLAN LEGEND:

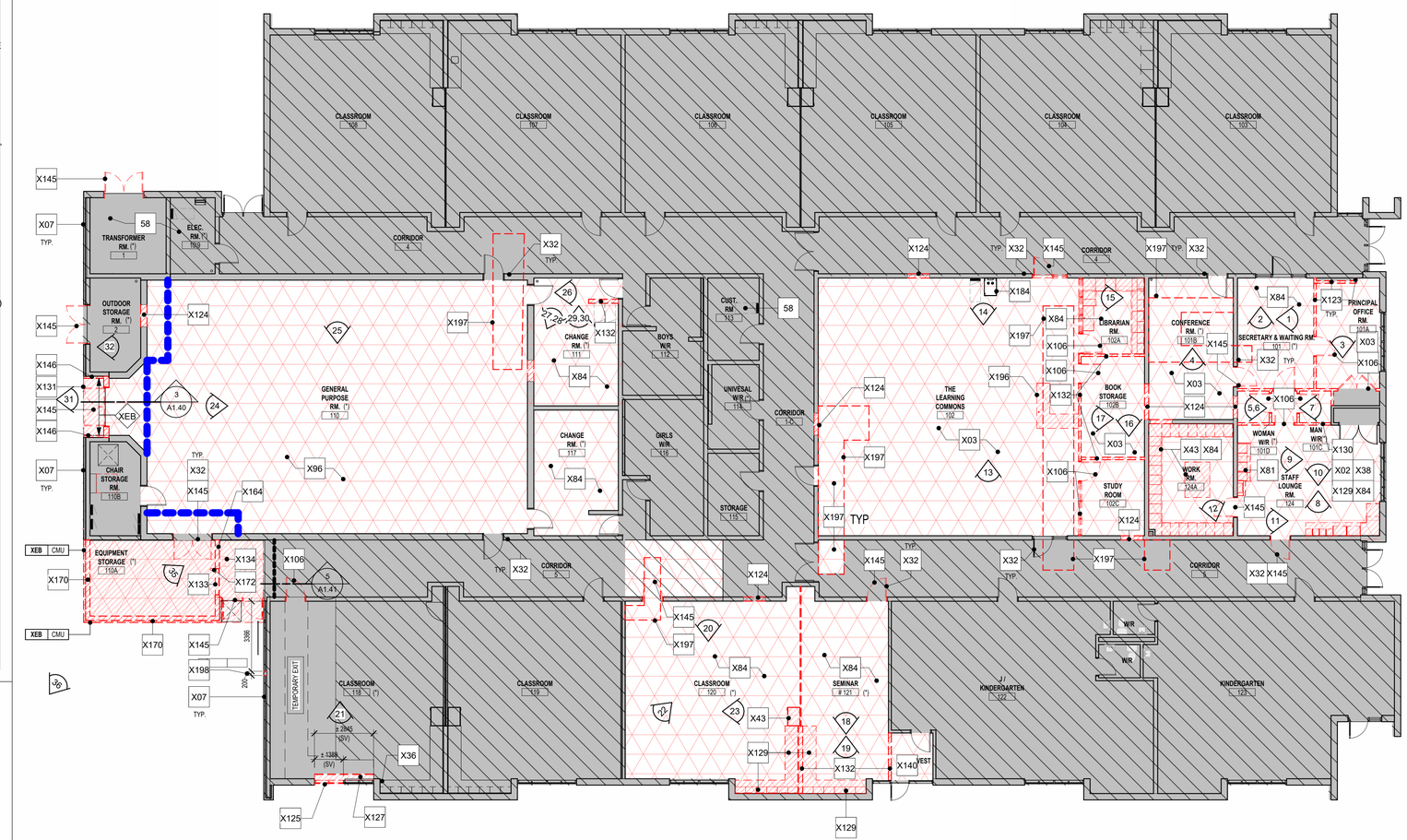
- EXISTING INTERIOR PARTITION TO BE DEMOLISHED
- EXISTING DOOR AND FRAME TO BE DEMOLISHED
- EXISTING INTERIOR PARTITION TO REMAIN
- EXISTING EXTERIOR WALL TO REMAIN
- PROPOSED LOCATION OF TEMPORARY HOARDING PARTITIONS (REFER TO PHASING DRAWING)
- DEMOLISH EXISTING GWB AND EXISTING POLY VAPOUR BARRIER AND EXISTING INSULATION TO EXPOSE STUD FRAMING TO REMAIN, MAKE GOOD WOOD STUD FRAMING TO ACCEPT NEW WORK
- NOT IN CONTRACT



Demolition Section View - RM 110 | 3 | A1.40 A1.40 | 1 : 25



Demolition Isometric View - Exterior Curtain Wall | 2 | A1.40



Demolition Plan | 1 | A1.40 A1.40 | 1 : 125

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St. Mark CES Addition

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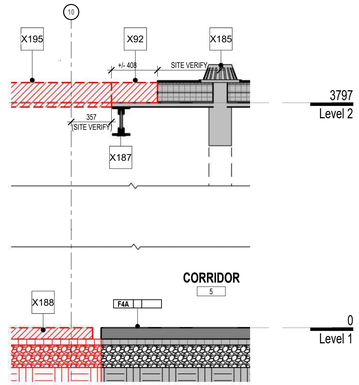
DEMOLITION PLAN - LEVEL 1

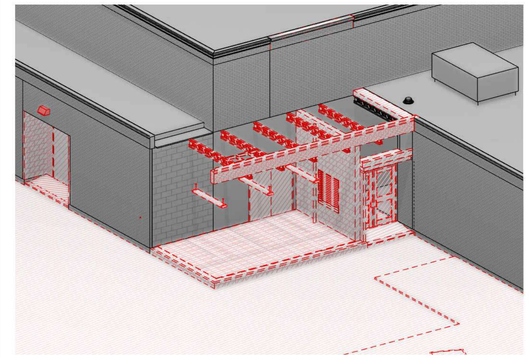
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:06:32 PM
drawing number:	A1.40

Keynote Legend

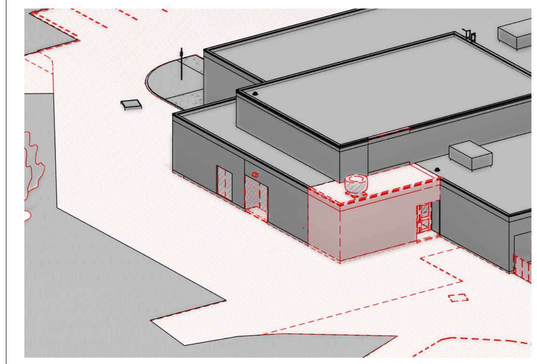
Item	Description
58	GENERAL CONTRACTOR TO COORDINATE ALL WORK IN THIS AREA WITH MECHANICAL AND ELECTRICAL DRAWINGS
X92	EXISTING ROOF ASSEMBLY TO BE REMOVED DOWN TO EXISTING STRUCTURE AND DISPOSED OF. ONCE THE REMOVAL AND DISPOSAL OF EXISTING ROOFING IS COMPLETE GC/ROOFING CONTRACTOR TO MAKE THE EXISTING READY TO RECEIVE THE NEW ROOF SYSTEM. NEW ROOFING SYSTEM TO BE INSTALLED AS SPECIFIED THROUGHOUT. GC/ROOFING CONTRACTOR TO DO A SITE VERIFICATION OF EXISTING CONDITIONS AND ALL DAMAGED DETERIORATED MATERIAL, IS TO BE REPLACED WITH NEW, MATCHING EXISTING THICKNESS AND PERFORMANCE. (REFER TO SPECIFICATIONS).
X142	GC TO COORDINATE ALL WORK ON THE ROOF WITH (STRUCTURAL, MECHANICAL AND ELECTRICAL). ROOFING SUBTRADE TO MAKE ALL PENETRATIONS WEATHER TIGHT WITH COMPATIBLE MATERIALS TO EXISTING.
X143	REMOVE AND DISPOSE OF PROPERLY EXISTING EXHAUST FAN. (REFER TO MECHANICAL DRAWINGS).
X169	DASHED LINE INDICATES EXISTING METAL FLASHING AND ALL ASSOCIATED ITEMS TO BE REMOVED AND DISPOSED OF PROPERLY.
X177	EXISTING GAS TO BE REMOVED AS REQUIRED TO FACILITATE NEW CONNECTION (REFER TO MECHANICAL DRAWINGS). GC TO REPLACE GAS LINES AND SUPPORTS WITH NEW (AS REQUIRED). EXISTING PLASTIC ROOFTOP SUPPORTS ARE TO BE REUSED. LOCATION AND QUANTITIES TO BE SITE VERIFIED.
X182	EXISTING ROOF DRAIN TO REMAIN. GC TO RELOCATE RWL TO NEW LOCATIONS. (REFER TO MECHANICAL).
X185	EXISTING ROOF DRAIN TO REMAIN. GC TO PATCH AND REPAIR ANY DAMAGES TO EXISTING ROOFING AND PROTECT THE ROOF DRAIN DURING DEMOLITION. GC TO MAINTAIN SLOPED INSULATION TO PROVIDE APPROPRIATE SLOPE TO ROOF DRAIN.
X187	EXISTING STRUCTURE TO REMAIN. GC TO PROTECT EXISTING DURING DEMOLITION.
X188	REMOVE AND DISPOSE OF EXISTING FLOORING AND SLAB ON GRADE. (REFER TO STRUCTURAL).
X195	PORTION OF EXISTING ROOF AND SUPPORTING STRUCTURE TO BE REMOVED AND DISPOSED OF. GC TO ENSURE ALL EXISTING ADJACENT WALL SYSTEMS ARE PROTECTED DURING ALL PHASES OF CONSTRUCTION. (REFER TO STRUCTURE).
X199	GENERAL CONTRACTOR TO REMOVE PORTION OF EXISTING PARAPET CAP FLASHING FOR INSTALLATION OF NEW METAL CLADDING, BLOCKING ETC AND VAPOUR PERMEABLE MEMBRANE CONNECTION WORK. GC TO MAKE GOOD AND WEATHER TIGHT ALL EXISTING SURFACES.



Demolition Section View - Corridor 5 | 5 | A1.40 A1.41 | 1 : 25



Demolition Isometric View - Interior | 3 | A1.41



Demolition Isometric View - Exterior | 2 | A1.41

Construction Legend

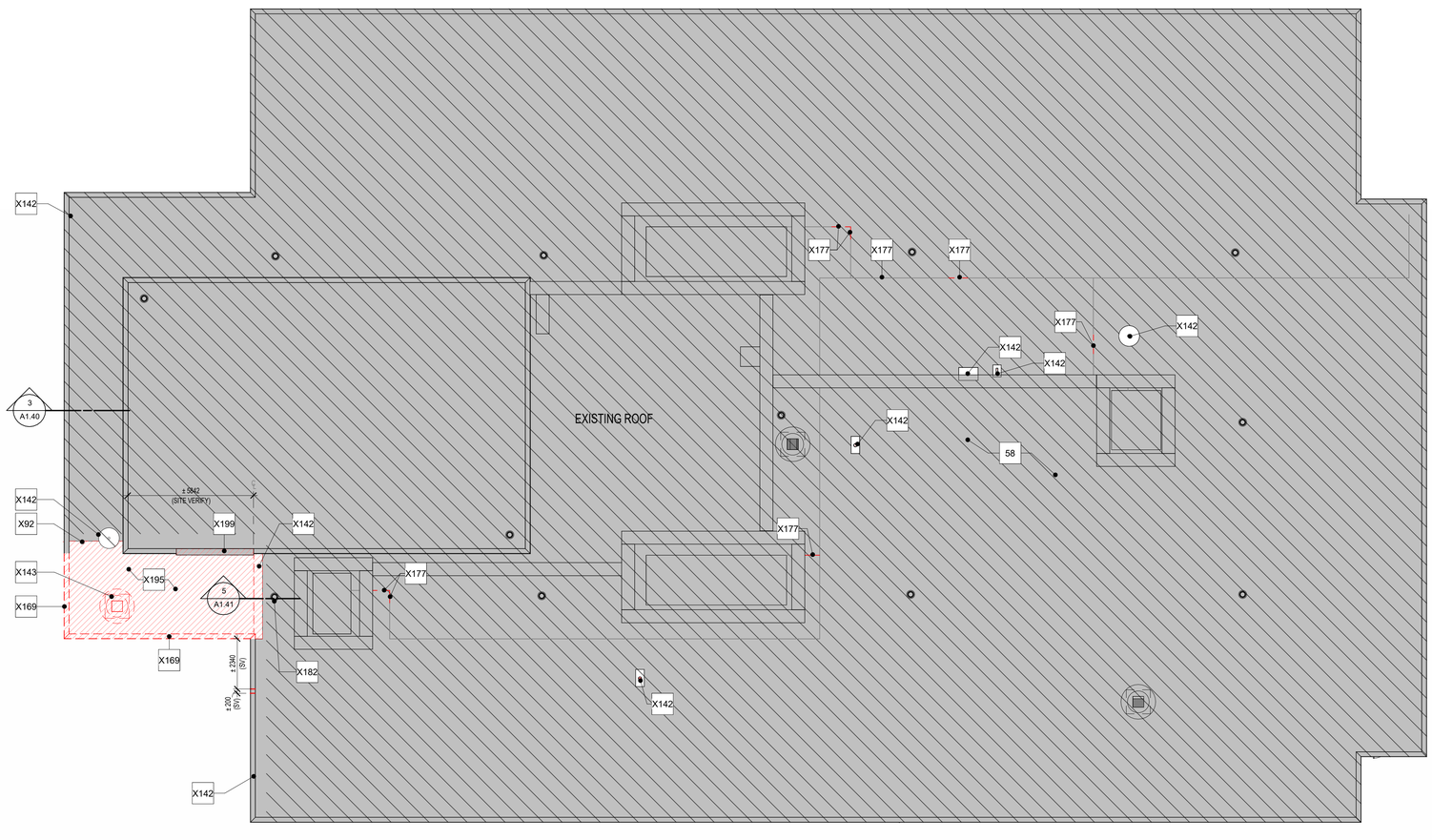
Sym.	Description
	NOT IN SCOPE OF WORK
	EXISTING FLOOR FINISH TO BE DEMOLISHED
	AREA OF WORK/DEMOLITION
	AREA OF PLUMBING WORK (REFER TO MECHANCIAL)
#	INDICATES DIRECTION OF CAMERA
RD	EXISTING ROOF DRAIN TO BE REMOVED
(*)	**DESIGNATED SUBSTANCE REPORT and RELATED WORK: GENERAL CONTRACTOR IS RESPONSIBLE TO REVIEW DESIGNATED SUBSTANCE REPORT INCLUDED IN SPECIFICATION BOOK AND TAKE ACTIONS AS REQUIRED IN AREAS WITHIN SCOPE OF WORK. REPORT IMMEDIATELY TO ARCHITECT AND CLIENT BEFORE PROCEEDING WITH ANY ABATEMENT WORK.**

NOTES:

1. PRIOR TO THE GENERAL CONTRACTOR GAINING ACCESS TO THE SITE, THE CLIENT SHALL REMOVE ALL NON-FIXED FURNITURE, WALL MOUNTED ITEMS, LOOSE ITEMS, ETC., IN ALL AREAS WHERE DEMOLITION IS TO OCCUR AND SHALL REINSTATE THEM AFTER CONTRACT IS COMPLETED.
2. SHOULD ANY ITEMS REMAIN ON WALLS TO BE DEMOLISHED CONTRACTOR SHALL REMOVE AND DISPOSE OF THEM ACCORDINGLY. GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL FIXED ITEMS/ FURNITURE AND RE-INSTALL AFTER RENOVATION IS COMPLETED. IF ANY ITEMS ADJACENT TO THE SCOPE OF DEMOLISH INHIBIT THE SCOPE OF WORK TO BE COMPLETED THE GENERAL CONTRACTOR SHALL REMOVE AND RETURN THE ITEM(S) TO THE CLIENT.
3. ALL DIMENSIONS MUST BE CONFIRMED ON SITE BY CONTRACTORS. CAREFULLY EXAMINE ALL EXISTING SITE CONDITIONS AND BUILDING COMPONENTS ALONG WITH ALL DIMENSIONS THAT WILL AFFECT THE PROPER EXECUTION OF WORK IN ORDER TO OBTAIN A CLEAR AND COMPREHENSIVE UNDERSTANDING OF THE WORK REQUIRED TO COMPLETE THE PROJECT.
4. GENERAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A DETAILED SCHEDULE OF ALL LIGHTING BEING REMOVED.
5. ALL EXISTING LIFE SAFETY DEVICES SHALL BE KEPT ACTIVE AND IN COMPLETE WORKING ORDER DURING ALL PHASES OF CONSTRUCTION AT CONTRACTOR'S EXPENSE.

NOTE:

1. **GENERAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS (RELATED TO ROOF REPLACEMENT) FOR CONSULTANTS APPROVAL.**
2. **PROTECT EXISTING PLUMBING/MECHANICAL EQUIPMENT DURING CONSTRUCTION AND ENSURE ALL ARE CLEANED AND PROPERLY FUNCTIONING.**
3. **CONTRACTOR TO PROTECT EXISTING ROOF AND OTHER ELEMENTS IN AREA NOT IN SCOPE OF WORK.**
4. **ALL INDICATED ROOF ITEMS AND QUANTITIES MUST BE CONFIRMED ON SITE BY CONTRACTORS.**
5. **ANY DISCREPANCIES ARE TO BE BROUGHT UP TO CONSULTANT ATTENTION PRIOR TO START OF CONSTRUCTION.**
6. **IF HOT WORK PERMIT IS REQUIRED FOR HOT APPLIED ROOF WORK, GENERAL CONTRACTOR IS RESPONSIBLE FOR DETERMINING A SUITABLE LOCATION FOR KETTLE TO PREVENT UNDESIRABLE SMELL. GENERAL CONTRACTOR TO CONFIRM LOCATION WITH OWNER'S REPRESENTATIVE. (IF APPLICABLE).**



Roof - Demolition | 1 | A4.04 A1.41 | 1 : 125

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DEMOLITION PLAN - LEVEL ROOF

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:06:42 PM
drawing number:	**A1.41**

Keynote Legend

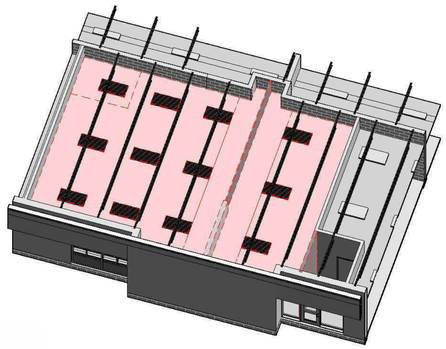
Item	Description
431	COORDINATE ALL CEILING WORK FOR NEW PLUMBING LINES (REFER TO MECHANICAL). CONTRACTOR TO COORDINATE CEILING WORK WITH CLIENT AND PERFORM WORK WITH AS MINIMAL DISRUPTION AND REMOVAL OF EXISTING CEILING TILES AS POSSIBLE.
X15	REMOVE AND DISPOSE OF PROPERLY EXISTING LIGHT FIXTURES. (REFER TO ELECTRICAL DRAWINGS). (TYPICAL UNO)
X16	REMOVE AND DISPOSE OF PROPERLY EXISTING SUSPENDED CEILING TILE. CONTRACTOR TO ENSURE ALL EXISTING ITEMS ABOVE THE CEILING ARE PROTECTED AND LEFT IN A CONDITION TO RECEIVE NEW CEILING. MAKE SPACE READY TO RECEIVE NEW CEILING.
X158	REMOVE AND DISPOSE OF PROPERLY EXISTING GYPSUM CEILING. CONTRACTOR TO ENSURE ALL EXISTING ITEMS ABOVE CEILING ARE PROTECTED AND LEFT IN A CONDITION TO RECEIVE NEW CEILING. MAKE SPACE READY TO RECEIVE NEW CEILING.
X160	REMOVE AND DISPOSE PROPERLY OF EXISTING WOOD BULKHEAD / CEILING FEATURE.
X171	REMOVE AND DISPOSE OF PROPERLY EXISTING MECHANICAL (REFER TO MECHANICAL DRAWINGS).
X175	REMOVE AND DISPOSE OF EXISTING PLUMBING (REFER TO MECHANICAL DRAWINGS).
X176	REMOVE AND DISPOSE OF EXISTING RETRACTABLE PARTITION AND ASSOCIATED ACCESSORIES. GC TO PATCH, REPAIR, AND MAKE GOOD EXISTING SURFACES TO RECEIVE NEW FINISHES.
X178	REMOVE AND DISPOSE OF EXISTING HVAC (REFER TO MECHANICAL DRAWINGS). CONTRACTOR TO COORDINATE CEILING WORK WITH CLIENT AND PERFORM WORK WITH AS MINIMAL DISRUPTION AND REMOVAL OF EXISTING CEILING TILES AS POSSIBLE.

Construction Legend

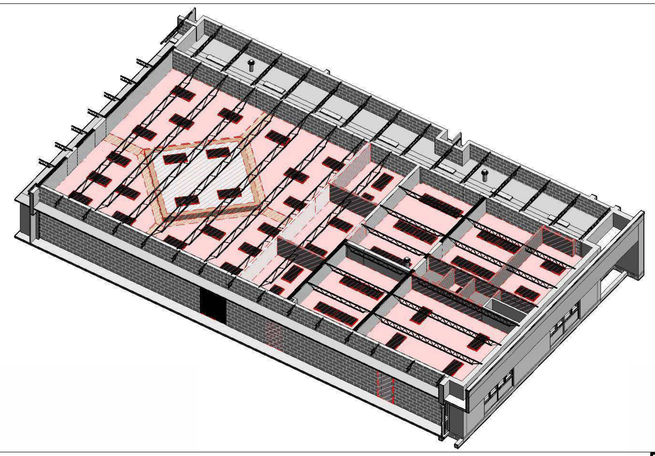
Sym.	Description
	NOT IN SCOPE OF WORK
	EXISTING FLOOR FINISH TO BE DEMOLISHED
	AREA OF WORK/DEMOLITION
	AREA OF PLUMBING WORK (REFER TO MECHANCIAL)
#	INDICATES DIRECTION OF CAMERA
RD	EXISTING ROOF DRAIN TO BE REMOVED
(*)	**DESIGNATED SUBSTANCE REPORT and RELATED WORK: GENERAL CONTRACTOR IS RESPONSIBLE TO REVIEW DESIGNATED SUBSTANCE REPORT INCLUDED IN SPECIFICATION BOOK AND TAKE ACTIONS AS REQUIRED IN AREAS WITHIN SCOPE OF WORK. REPORT IMMEDIATELY TO ARCHITECT AND CLIENT BEFORE PROCEEDING WITH ANY ABATEMENT WORK.**

NOTES:

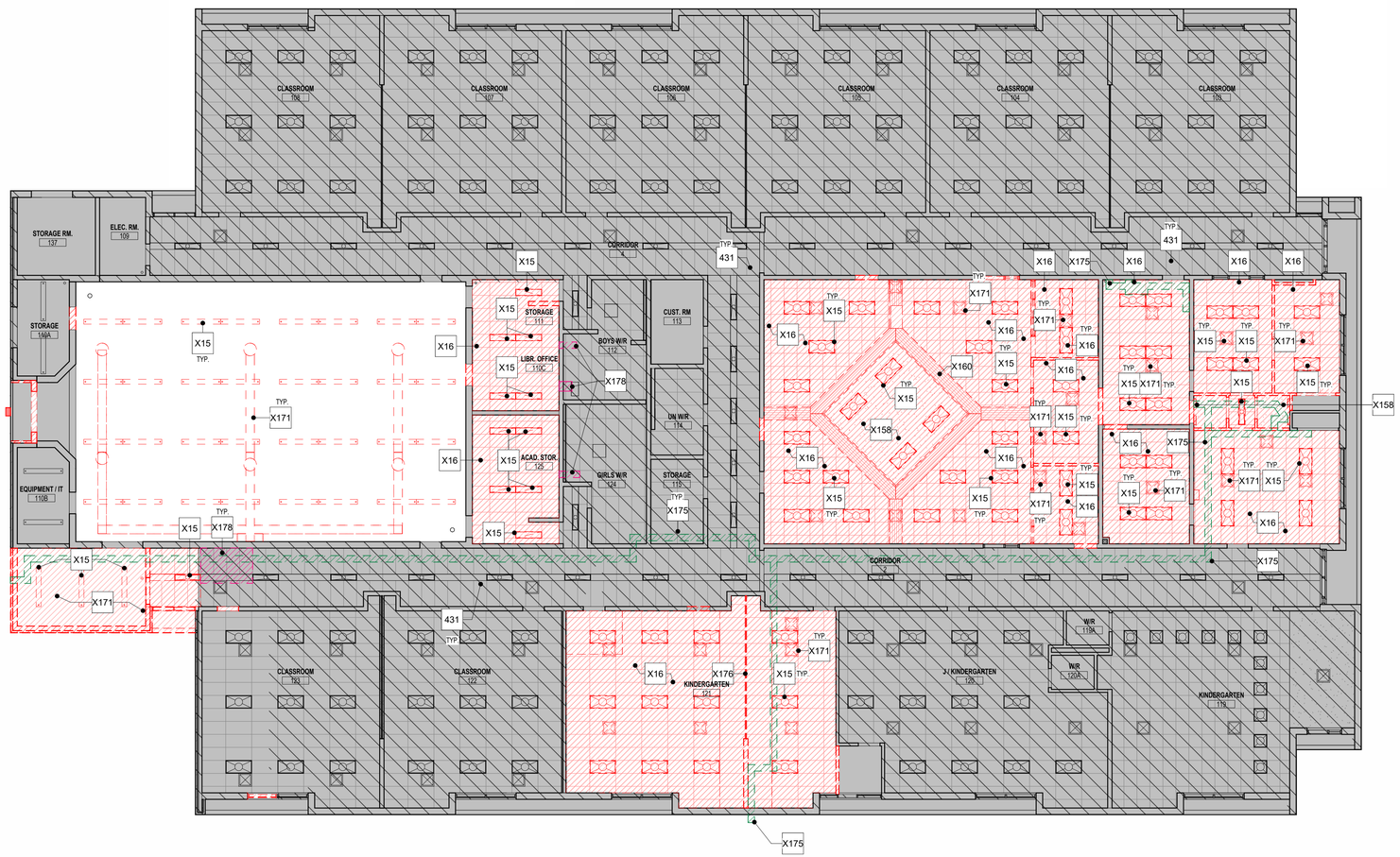
1. PRIOR TO THE GENERAL CONTRACTOR GAINING ACCESS TO THE SITE, THE CLIENT SHALL REMOVE ALL NON-FIXED FURNITURE, WALL MOUNTED ITEMS, LOOSE ITEMS, ETC., IN ALL AREAS WHERE DEMOLITION IS TO OCCUR AND SHALL REINSTATE THEM AFTER CONTRACT IS COMPLETED.
2. SHOULD ANY ITEMS REMAIN ON WALLS TO BE DEMOLISHED CONTRACTOR SHALL REMOVE AND DISPOSE OF THEM ACCORDINGLY. GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL FIXED ITEMS/ FURNITURE AND RE-INSTALL AFTER RENOVATION IS COMPLETED. IF ANY ITEMS ADJACENT TO THE SCOPE OF DEMOLISH INHIBIT THE SCOPE OF WORK TO BE COMPLETED THE GENERAL CONTRACTOR SHALL REMOVE AND RETURN THE ITEM(S) TO THE CLIENT.
3. ALL DIMENSIONS MUST BE CONFIRMED ON SITE BY CONTRACTORS. CAREFULLY EXAMINE ALL EXISTING SITE CONDITIONS AND BUILDING COMPONENTS ALONG WITH ALL DIMENSIONS THAT WILL AFFECT THE PROPER EXECUTION OF WORK IN ORDER TO OBTAIN A CLEAR AND COMPREHENSIVE UNDERSTANDING OF THE WORK REQUIRED TO COMPLETE THE PROJECT.
4. GENERAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A DETAILED SCHEDULE OF ALL LIGHTING BEING REMOVED.
5. ALL EXISTING LIFE SAFETY DEVICES SHALL BE KEPT ACTIVE AND IN COMPLETE WORKING ORDER DURING ALL PHASES OF CONSTRUCTION AT CONTRACTOR'S EXPENSE.



Demolition Isometric View - Classroom / Seminar Room **3** A1.42



Demolition Isometric View - Administration Area **2** A1.42



RCP - Demolition **1** A1.40 A1.42 1 : 125

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5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

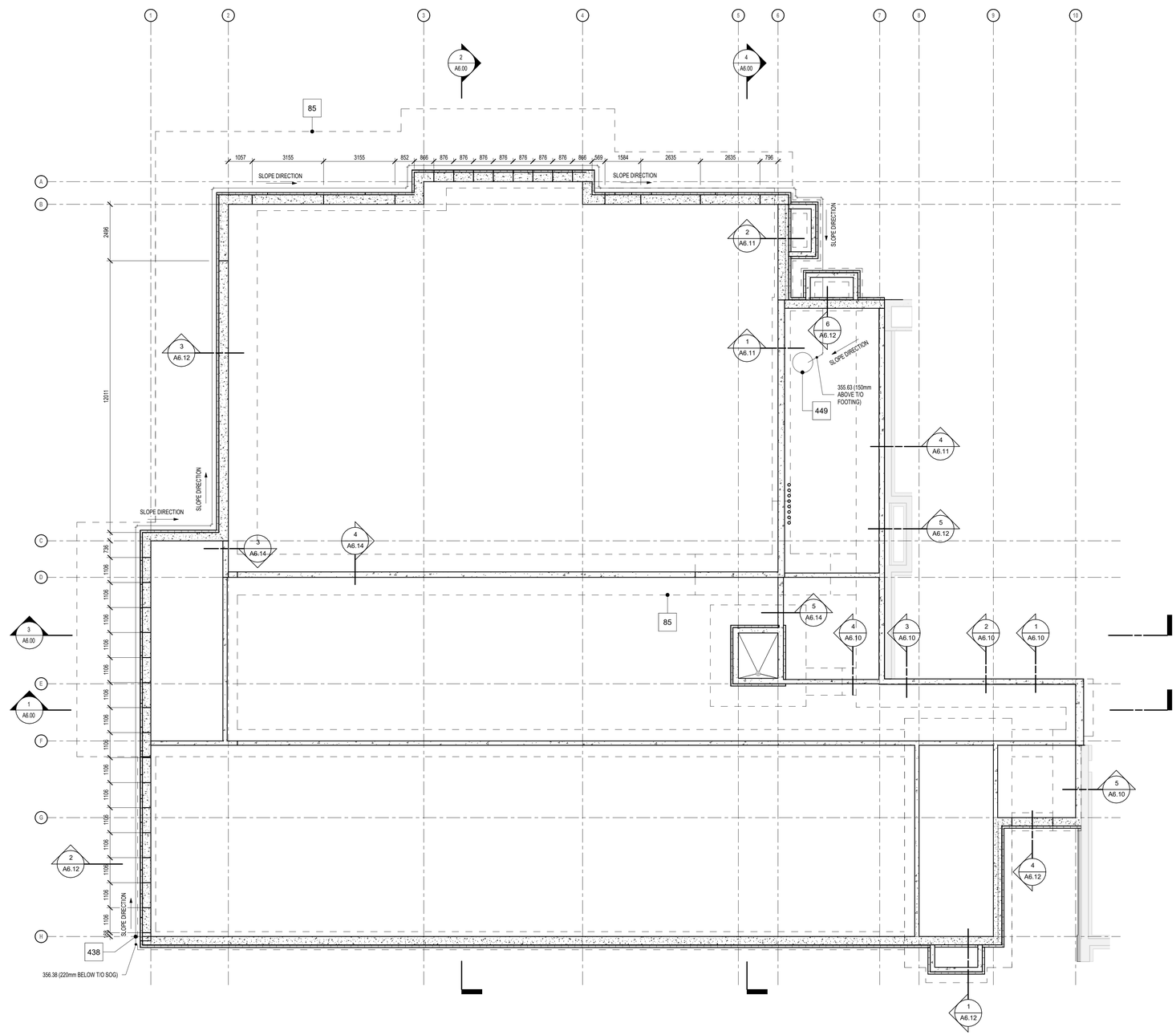
DEMOLITION RCP - LEVEL 1

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:06:50 PM
drawing number:	**A1.42**

Keynote Legend

Item	Description
85	EDGE OF FOOTING. (REFER TO STRUCTURAL DRAWINGS).
438	WEEPING TILE.
449	SUMP PIT. (REFER TO MECHANICAL)



T/O Footing - Framing Plan - New addition

1 | A1.40 A2.00 | 1 : 100

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St. Mark CES Addition

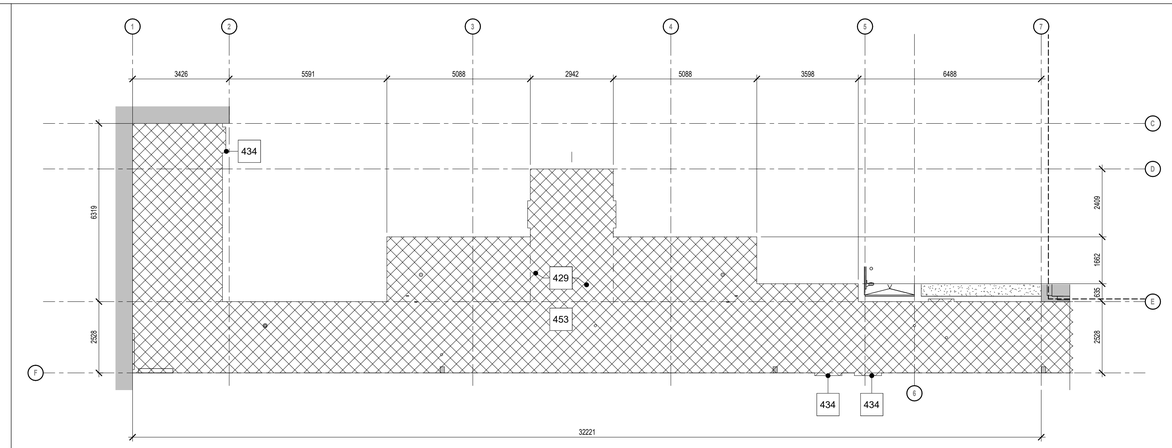
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

SLAB EDGE - FOUNDATION

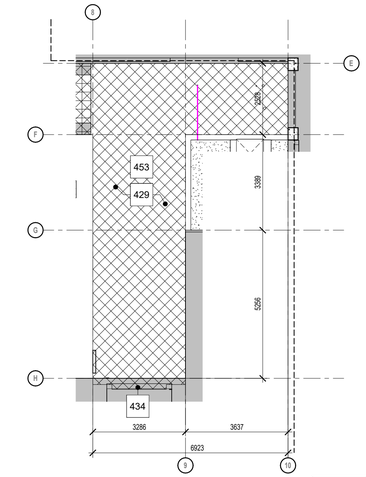
scale:	1 : 100
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:06:54 PM
drawing number:	**A2.00**

Keynote Legend

Item	Description
298	CONCRETE PAD (REFER TO ELECTRICAL).
428	HATCHED AREA DENOTES AREA TO DEPRESS CONC. SLAB 20mm FOR INSTALLING PORCELAIN TILE.
429	DEPRESS CONC. SLAB 20mm FOR INSTALLING PROCELAIN TILE.
434	GC TO COORDINATE TILE EDGE WITH DOOR JAMB LOCATION. GC TO PROVIDE SCHLUTER TRIM AT TRANSITION BETWEEN TILE AND ADJACENT FLOORING MATERIAL.
436	PROVIDE POSITIVE SLOPE TO FLOOR DRAIN, TYP.
438	WEEPING TILE.
449	SUMP PIT. (REFER TO MECHANICAL)
453	TILE TO TILE TRANSITIONS ARE TO BE FLUSH. CONTRACTOR CARRY THE COST TO BUILD UP MORTAR BED WHERE REQUIRED.
X197	GC TO COORDINATE PARTIAL REMOVAL OF THE SOG. FOR UNDER SLAB WORK WITH MEP DRAWINGS AT ALL LOCATIONS. GC TO BACKFILL, COMPACT GRANULAR FILL, AND INSTALL REINFORCING TO MATCH EXISTING CONDITION. GC TO MAKE FINISH LEVEL WITH ADJACENT EXISTING SURFACES AND MAKE READY TO RECEIVE NEW FINISHES, OR INFILL WITH EXISTING FIELD-MATCHED FINISHES INCLUDING BASE.



Level 1 Depressed Slab - Callout 3 A2.01 A2.01 1 : 100



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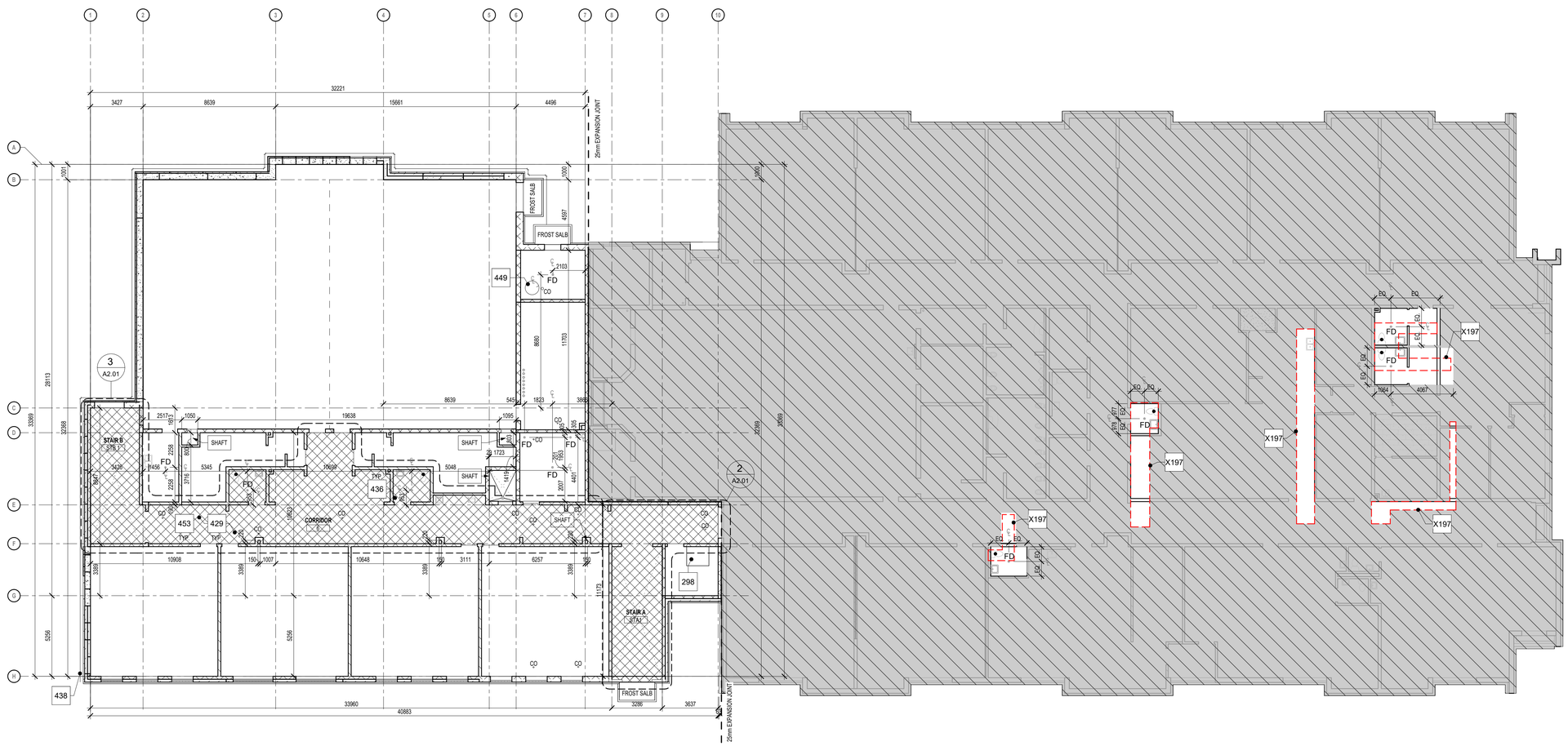

Level 1 - Slab Edge 1 A1.40 A2.01 1 : 150

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

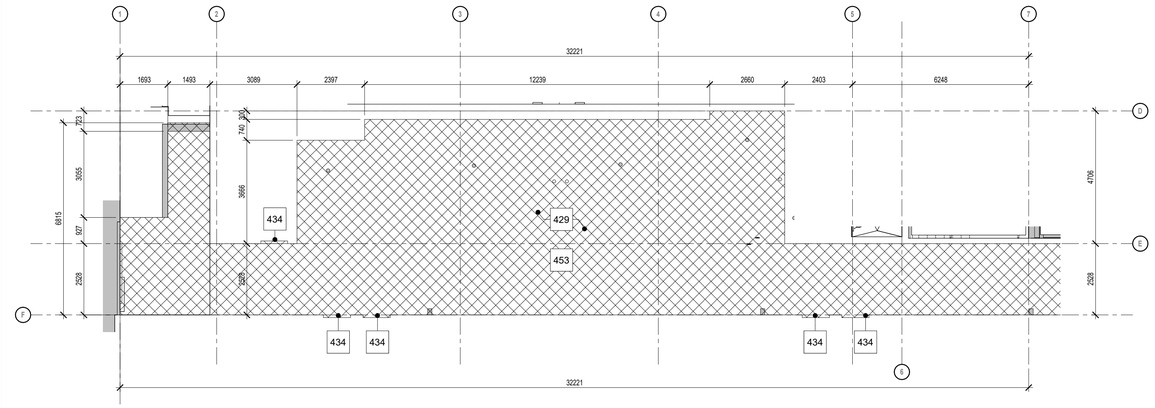
SLAB EDGE - LEVEL 1

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:07:01 PM
drawing number:	**A2.01**

Keynote Legend

Item	Description
429	DEPRESS CONC. SLAB 20mm FOR INSTALLING PROCELAIN TILE.
434	GC TO COORDINATE TILE EDGE WITH DOOR JAMB LOCATION. GC TO PROVIDE SCHLUTER TRIM AT TRANSITION BETWEEN TILE AND ADJACENT FLOORING MATERIAL.
435	GC TO COORDINATE TILE EDGE WITH STAIR LANDING & STAIR SHOP DRAWINGS.
436	PROVIDE POSITIVE SLOPE TO FLOOR DRAIN, TYP.
437	TOILET FLANGE - GC TO COORDINATE LOCATION MEETS WASHROOM REQUIREMENTS, TYP.
453	TILE TO TILE TRANSITIONS ARE TO BE FLUSH. CONTRACTOR CARRY THE COST TO BUILD UP MORTAR BED WHERE REQUIRED.



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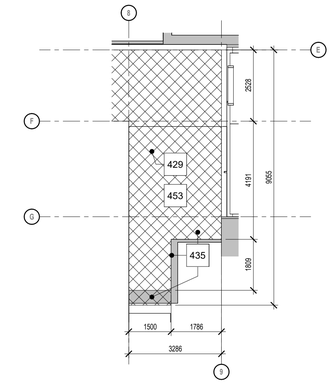

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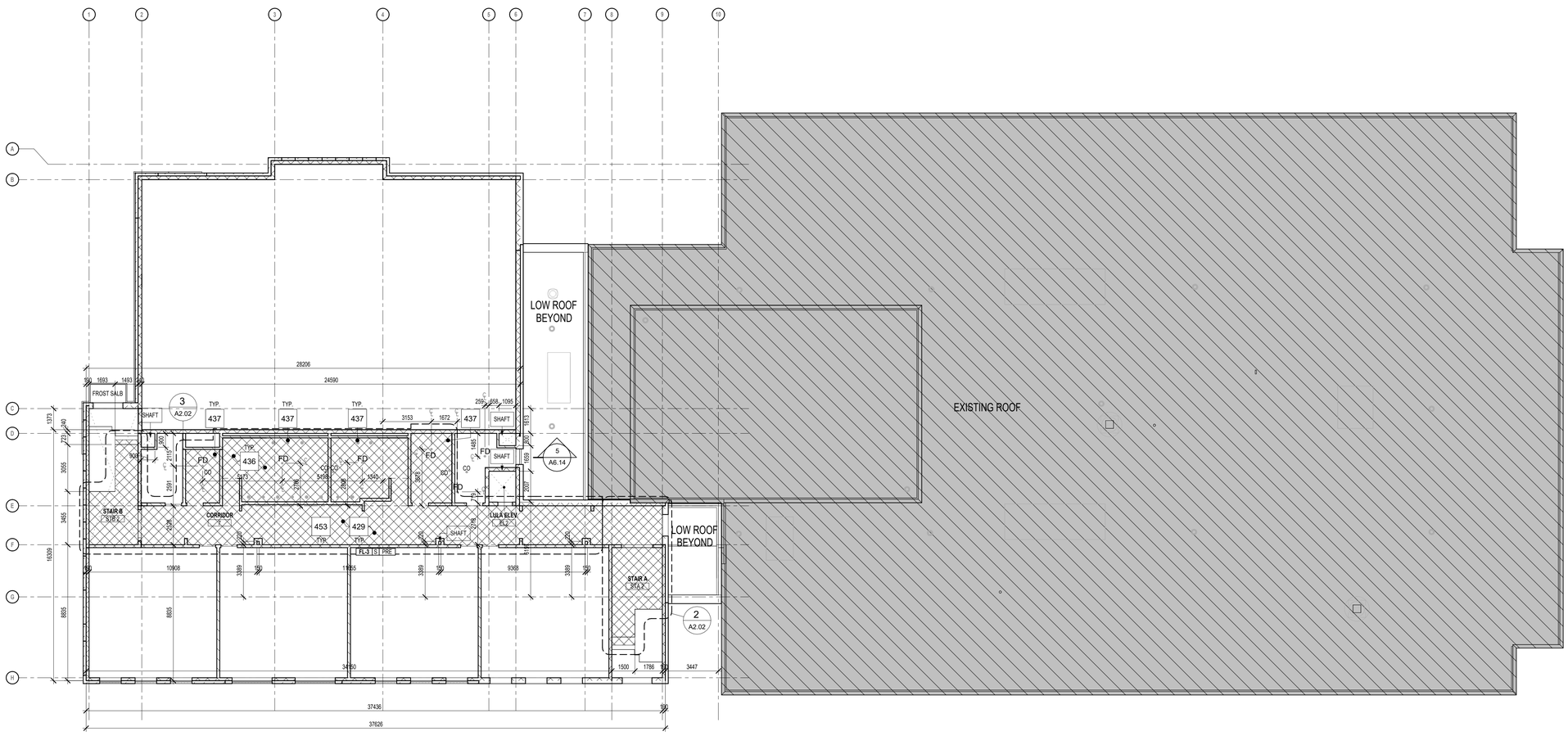

Level 2 & Existing Roof - Slab Edge 1 A1.41 A2.02 1 : 150

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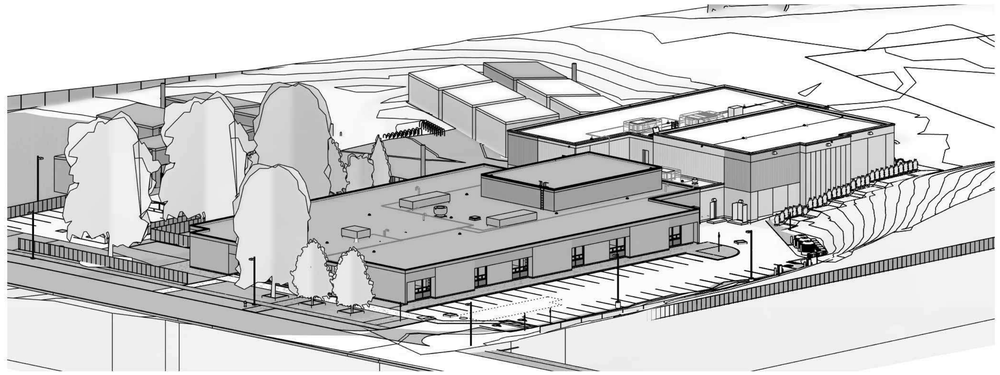
St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

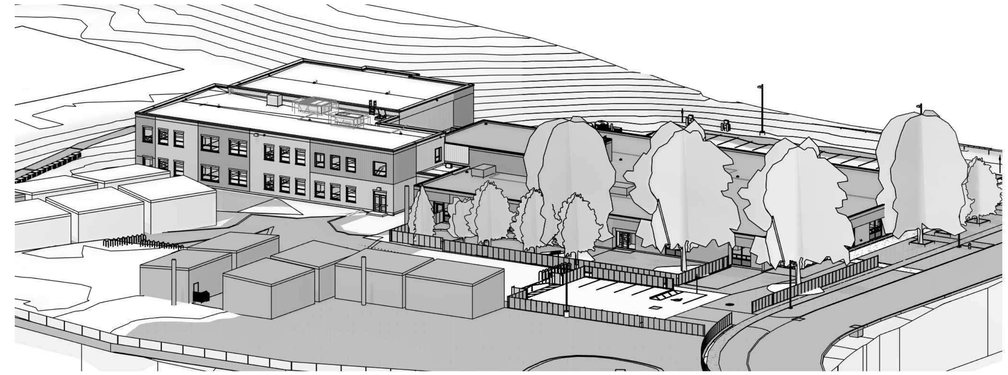
SLAB EDGE - LEVEL 2 & EXISTING ROOF

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:07:07 PM
drawing number:	A2.02



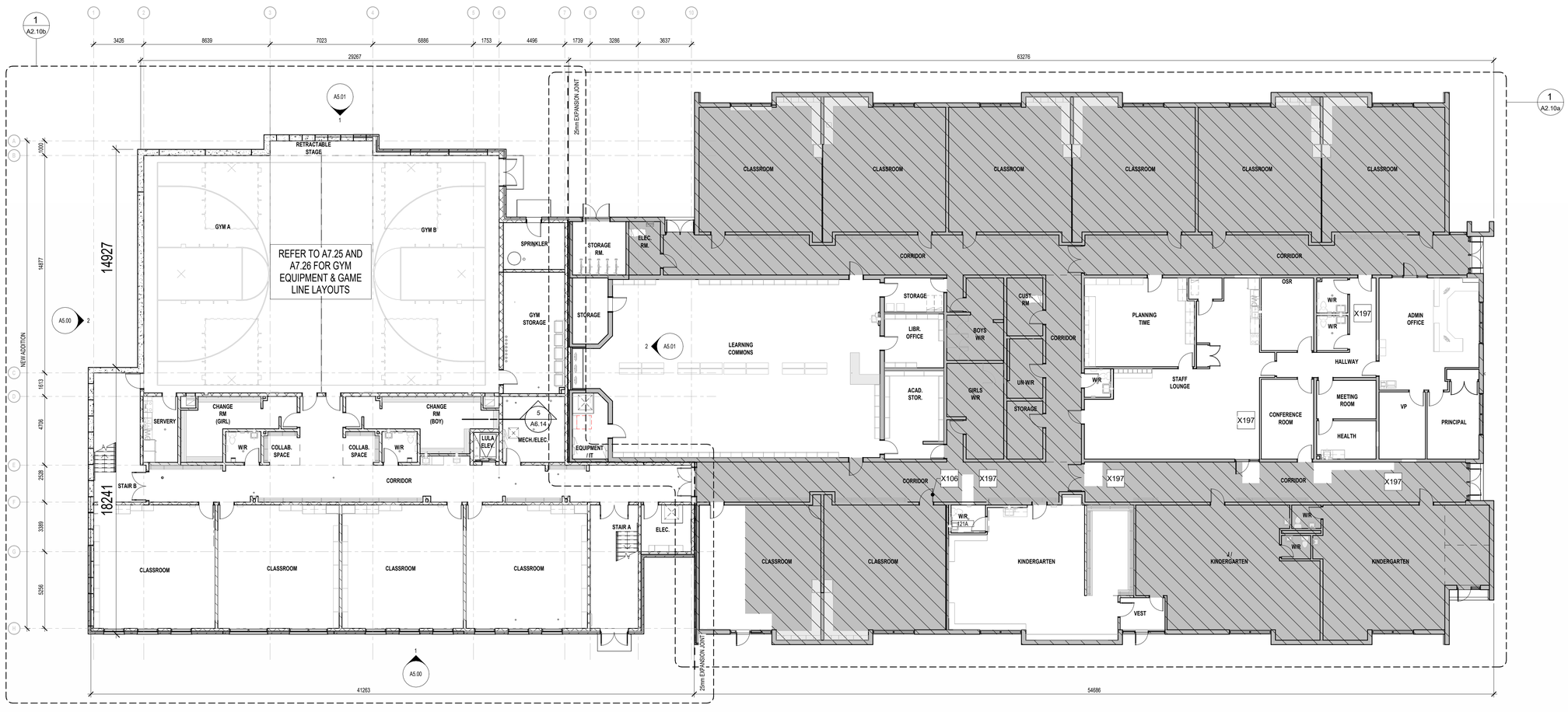
Isometric View Looking Northeast

3
A2.10



Isometric View Looking Southeast

2
A2.10



Proposed Framing Plan - Level 1

1
A1.40 A2.10

1 : 150

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St. Mark CES Addition

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PROPOSED FRAMING PLAN - LEVEL 1

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:08:10 PM
drawing number:	**A2.10**

Keynote Legend

Item	Description
58	GENERAL CONTRACTOR TO COORDINATE ALL WORK IN THIS AREA WITH MECHANICAL AND ELECTRICAL DRAWINGS
397	NEW PLUMBING FIXTURES. (REFER TO MECHANICAL). TYPICAL (UNO).
433	EXISTING RAINWATER LEADER TO REMAIN. GC TO PROTECT DURING CONSTRUCTION.
482	VERTICAL BIKE RACKS. (REFER TO SPECIFICATIONS).
790	HOUSEKEEPING PAD (REFER TO ELECTRICAL).
X32	REMOVE AND DISPOSE OF ALL EXISTING INTERIOR SIGNAGE. GC TO PATCH/REPAIR/PAINT (COLOUR TO BE FIELD MATCHED TO EXISTING) AND MAKE WALL READY TO RECEIVE NEW SIGNAGE. (SCOPE OF WORK TO BE INCLUDED IN BASE BID, SUPPLY AND INSTALLATION UNDER CASH ALLOWANCE).
X197	GC TO COORDINATE PARTIAL REMOVAL OF THE SOG. FOR UNDER SLAB WORK WITH MEP DRAWINGS AT ALL LOCATIONS. GC TO BACKFILL, COMPACT GRANULAR FILL, AND INSTALL REINFORCING TO MATCH EXISTING CONDITION. GC TO MAKE FINISH LEVEL WITH ADJACENT EXISTING SURFACES AND MAKE READY TO RECEIVE NEW FINISHES, OR INFILL WITH EXISTING FIELD-MATCHED FINISHES INCLUDING BASE.

Construction Legend

Sym.	Description
	NOT IN SCOPE OF WORK
	EXISTING FLOOR FINISH TO BE DEMOLISHED
	EXISTING TO BE DEMOLISHED
FD	EXISTING FLOOR DRAIN TO REMAIN
#	INDICATES DIRECTION OF CAMERA
(*)	**DESIGNATED SUBSTANCE REPORT: GENERAL CONTRACTOR IS RESPONSIBLE TO REVIEW DESIGNATED SUBSTANCE REPORT INCLUDED IN SPECIFICATION BOOK AND TAKE ACTIONS AS REQUIRED IN AREAS WITHIN SCOPE OF WORK. REPORT IMMEDIATELY TO ARCHITECT AND CLIENT BEFORE PROCEEDING WITH ANY ABATEMENT WORK.**

NOTES:

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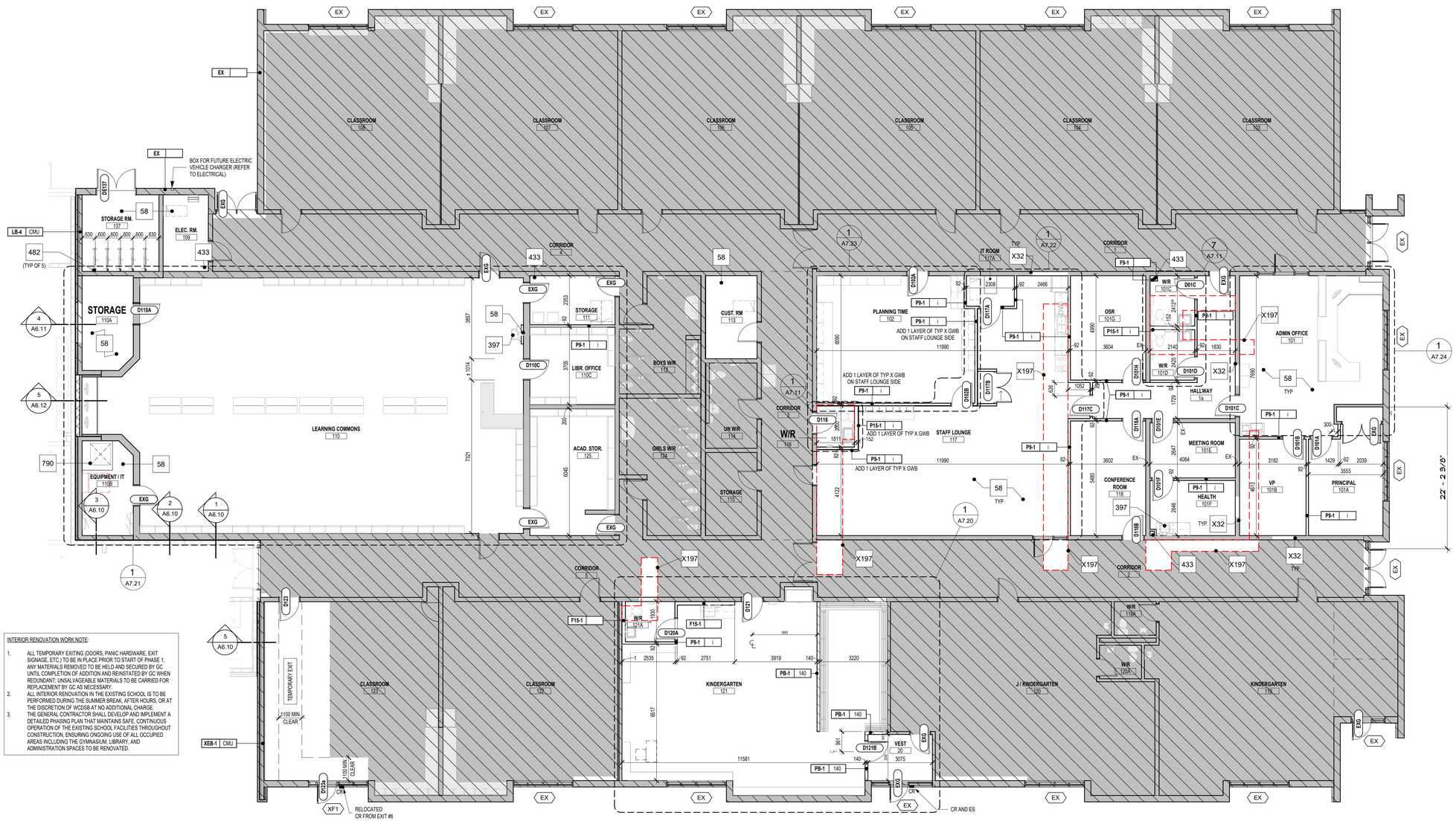
2. SHOULD ANY ITEMS REMAIN ON WALLS TO BE DEMOLISHED CONTRACTOR SHALL REMOVE AND DISPOSE OF THEM ACCORDINGLY. GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL FIXED ITEMS/ FURNITURE AND RE-INSTALL AFTER RENOVATION IS COMPLETED. IF ANY ITEMS ADJACENT TO THE SCOPE OF DEMOLISH INHIBIT THE SCOPE OF WORK TO BE COMPLETED THE GENERAL CONTRACTOR SHALL REMOVE AND RETURN THE ITEM(S) TO THE CLIENT.
3. ALL DIMENSIONS MUST BE CONFIRMED ON SITE BY CONTRACTORS. CAREFULLY EXAMINE ALL EXISTING SITE CONDITIONS AND BUILDING COMPONENTS ALONG WITH ALL DIMENSIONS THAT WILL AFFECT THE PROPER EXECUTION OF WORK IN ORDER TO OBTAIN A CLEAR AND COMPREHENSIVE UNDERSTANDING OF THE WORK REQUIRED TO COMPLETE THE PROJECT.
4. GENERAL CONTRACTOR IS RESPONSIBLE TO PROVIDE A DETAILED SCHEDULE OF ALL LIGHTING BEING REMOVED.
5. ALL EXISTING LIFE SAFETY DEVICES SHALL BE KEPT ACTIVE AND IN COMPLETE WORKING ORDER DURING ALL PHASES OF CONSTRUCTION AT CONTRACTOR'S EXPENSE
6. ALL COLOURS AND FINISHES AS SPECIFIED OR APPROVED ALTERNATIVE, TO BE CONFIRMED BY OWNER.

Interior Door Hardware Replacement:

GENERAL CONTRACTOR TO INCLUDE FOR REMOVAL AND REINSTALLATION OF EXISTING DOOR HARDWARE UNDER BASE BID AS DESCRIBED IN SPECIFICATION SECTION **DIVISION 08 –** 08 71 00 DOOR HARDWARE - COMMON REQUIREMENTS AND HARDWARE SCHEDULE.
FINAL HARDWARE INSPECTION TO BE COMPLETED BY HARDWARE SUPPLIER AND REPORTED TO WCDSB TO ENSURE INSTALLATION OF ALL DEVICES MEETS SPECIFICATIONS.

DOOR REPLACEMENT NOTES:

1. ALL DOORS ARE TO BE FABRICATED FROM FIELD DIMENSIONS TAKEN OF EXISTING WALL OPENINGS. NEW DOORS TO BE INSTALLED AS SPECIFIED. PATCH, REPAIR & PAINT INTERIOR/EXTERIOR SIDES OF OPENINGS/FRAMES AS NEEDED.
2. EXISTING DOORS ARE NOT TO BE REMOVED UNTIL NEW REPLACEMENT DOORS HAVE BEEN DELIVERED. NEW DOOR SIZES ARE TO BE CONFIRMED TO HAVE PROPER FIT BEFORE DISPOSAL OF EXISTING.
3. ALL DOOR AND HARDWARE REPLACEMENT NOT COMPLETED BY THE NEW 2025 SCHOOL YEAR WILL NEED TO BE COMPLETED AFTERHOURS/WEEKENDS.



INTERIOR RENOVATION WORK NOTE:

1. ALL TEMPORARY EXITING (DOORS, PANIC HARDWARE, EXIT SIGNAGE, ETC.) TO BE IN PLACE PRIOR TO START OF PHASE 1; ANY MATERIALS REMOVED TO BE HELD AND SECURED BY GC UNTIL COMPLETION OF ADDITION AND REINSTATED BY GC WHEN REDUNDANT; UNSALVAGEABLE MATERIALS TO BE CARRIED FOR REPLACEMENT BY GC AS NECESSARY.
2. ALL INTERIOR RENOVATION IN THE EXISTING SCHOOL IS TO BE PERFORMED DURING THE SUMMER BREAK, AFTER HOURS, OR AT THE DISCRETION OF WCDSB AT NO ADDITIONAL CHARGE.
3. THE GENERAL CONTRACTOR SHALL DEVELOP AND IMPLEMENT A DETAILED PHASING PLAN THAT MAINTAINS SAFE, CONTINUOUS OPERATION OF THE EXISTING SCHOOL FACILITIES THROUGHOUT CONSTRUCTION, ENSURING ONGOING USE OF ALL OCCUPIED AREAS INCLUDING THE GYMNASIUM, LIBRARY, AND ADMINISTRATION SPACES TO BE RENOVATED.

Proposed Framing Plan - Level 1 - Renovation

1 | A2.10a | A2.10a | 1 : 100

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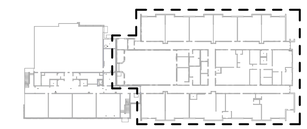

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PROPOSED FRAMING PLAN - LEVEL 1 - RENOVATION

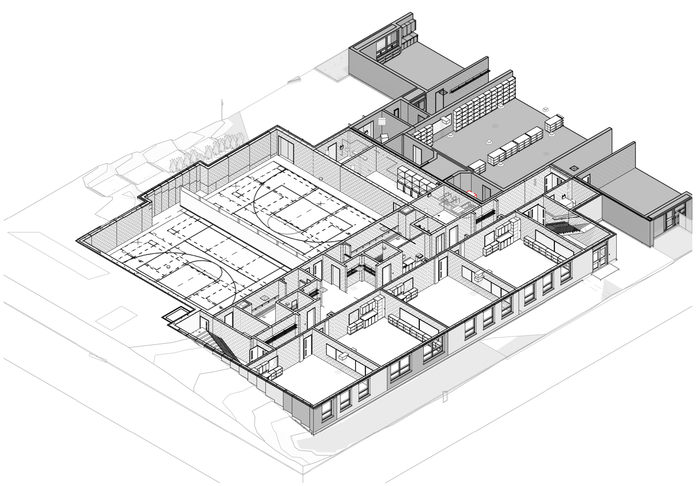
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:08:18 PM

drawing number:

A2.10a

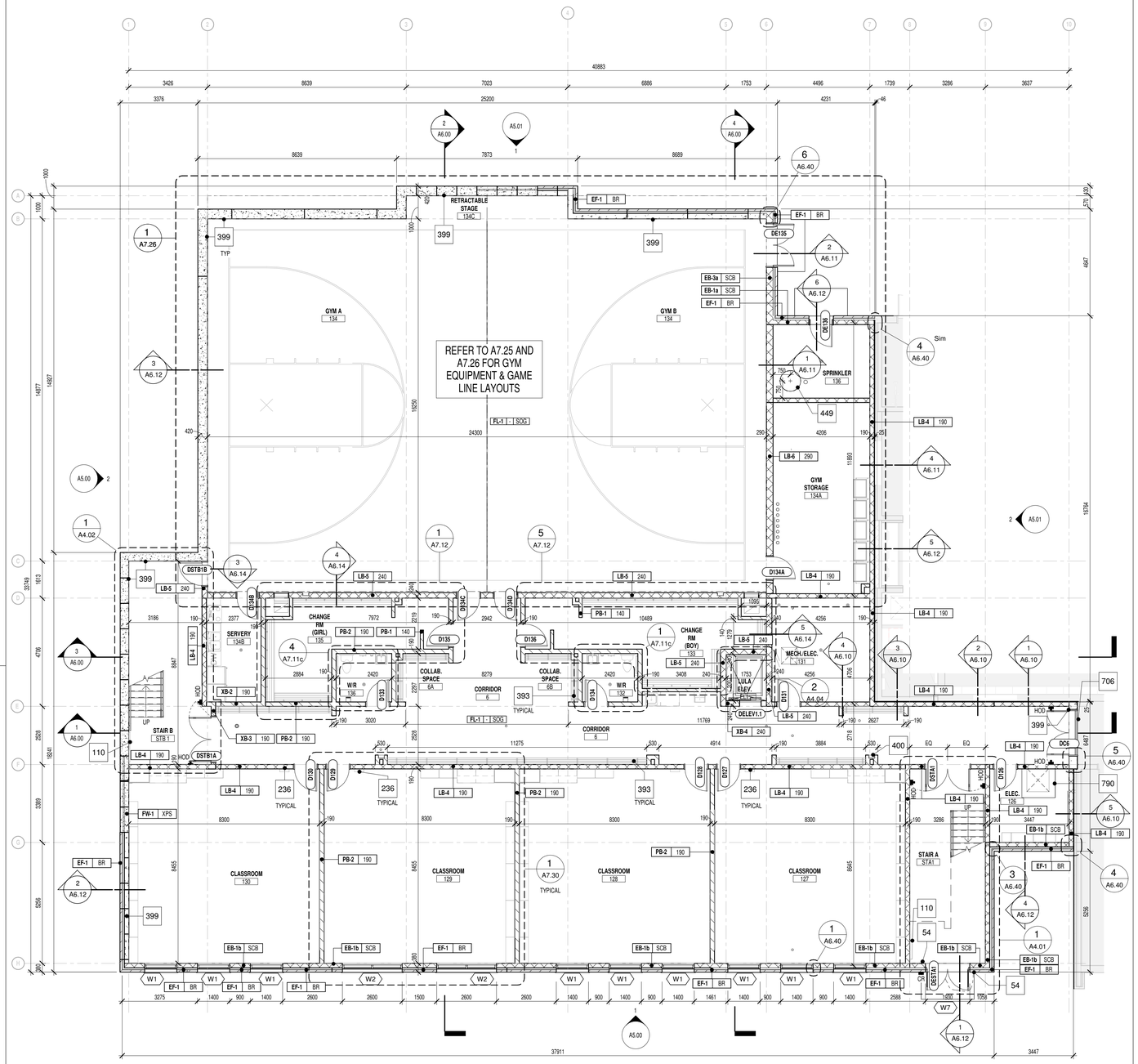
Keynote Legend

Item	Description
54	PUSH BUTTON DOOR OPERATOR (REFER TO ELECTRICAL)
110	ELECTRICAL HEATER. (REFER TO ELECTRICAL).
236	CONTROL PANEL. (REFER TO ELECTRICAL AND SPECIFICATIONS)
393	NEW COAT AND HAT RACKS WITH COAT HOOKS, WITH BRACKETS SPACED A MAXIMUM OF 1,000mm, SCR-1001 BY GLOBAL SCHOOL PRODUCTS INC. (OR APPROVED EQUAL). COAT HOOKS SPACING OF ONE HOOK PER EVERY 150MM LENGTH OF SHELF ON THE SECOND AND FOURTH TUBES (TYPICAL).
399	INTERIOR FACE OF CONCRETE WALL TO MEET "ARCHITECTURAL CONCRETE FINISH CSC4" STANDARDS USING ARCHITECTURAL CONCRETE FORMS. (REFER TO STRUCTURAL DWGS/SPECS).
400	FIRE EXTINGUISHER CABINET. (REFER TO MECHANICAL)
449	SUMP PIT. (REFER TO MECHANICAL)
706	FLOOR TO FLOOR EXPANSION JOINT COVER.
790	HOUSEKEEPING PAD (REFER TO ELECTRICAL).



Isometric Interior View - Framing - Level 1

3
A2.10b



Proposed Framing Plan - Level 1 - New Addition

1
A2.10a A2.10b

1 : 100

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#	date:	revision:
8	2026.04.24	Issued For Tender
7	2025.12.17	Permit Revisions
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

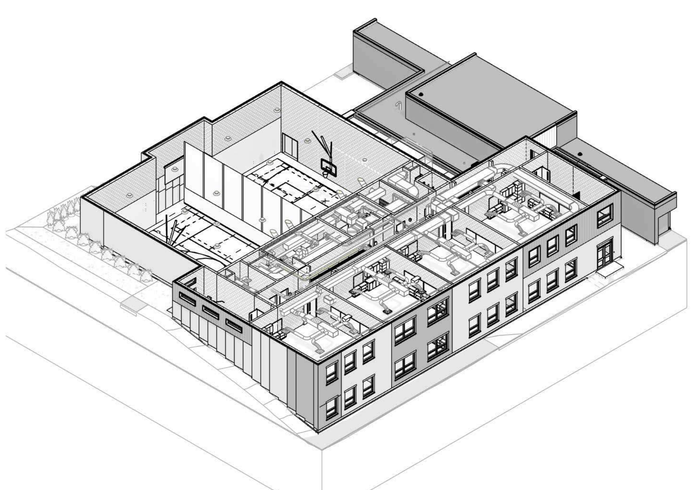
PROPOSED FRAMING PLAN - LEVEL 1 - NEW ADDITION

PN TN

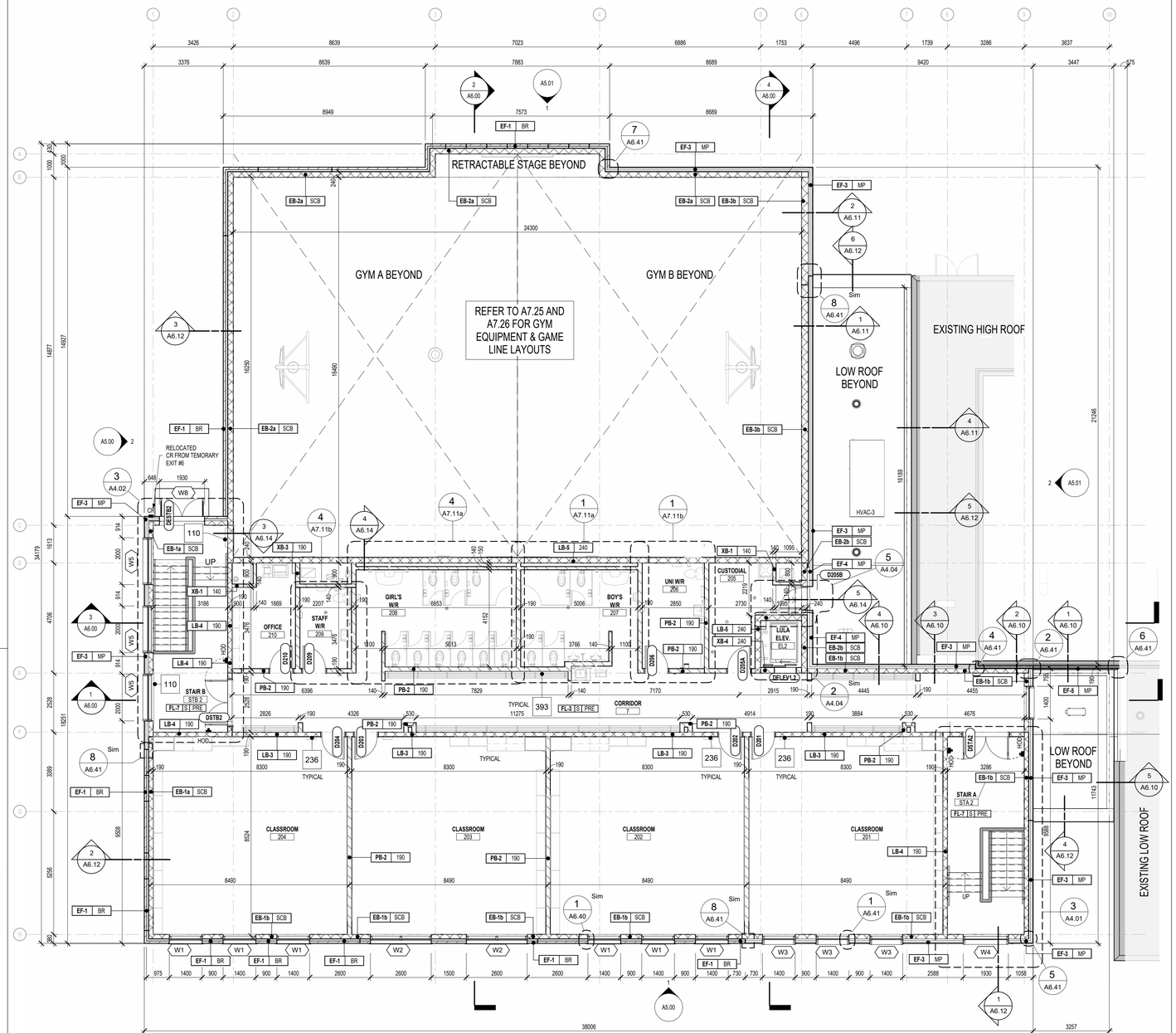
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-27 8:57:26 AM
drawing number:	A2.10b

Keynote Legend

Item	Description
110	ELECTRICAL HEATER. (REFER TO ELECTRICAL).
236	CONTROL PANEL. (REFER TO ELECTRICAL AND SPECIFICATIONS)
393	NEW COAT AND HAT RACKS WITH COAT HOOKS, WITH BRACKETS SPACED A MAXIMUM OF 1,000mm, SCR-1001 BY GLOBAL SCHOOL PRODUCTS INC. (OR APPROVED EQUAL). COAT HOOKS SPACING OF ONE HOOK PER EVERY 150MM LENGTH OF SHELF ON THE SECOND AND FOURTH TUBES (TYPICAL).



Isometric Interior View - Framing - Level 2 | 3 | A2.11



Proposed Framing Plan - Level 2 - New Addition | 1 | A1.41 A2.11 | 1 : 100

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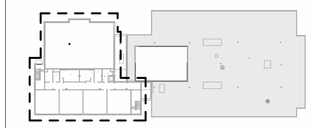

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6	2025.10.31	Revised SPA Comments
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2	2025.08.08	80% Client Review
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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PROPOSED FRAMING PLAN - LEVEL 2 - NEW ADDITION

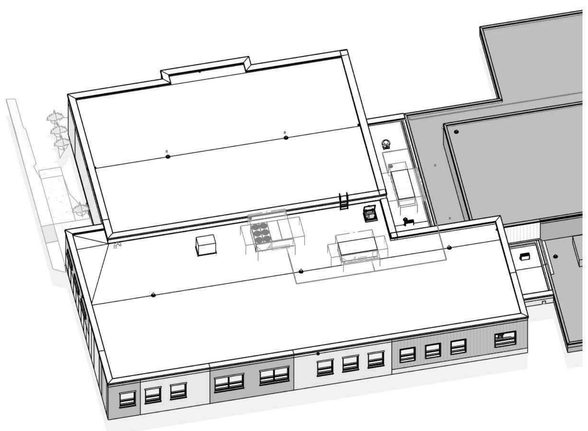
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:08:46 PM
drawing number:	A2.11

Keynote Legend

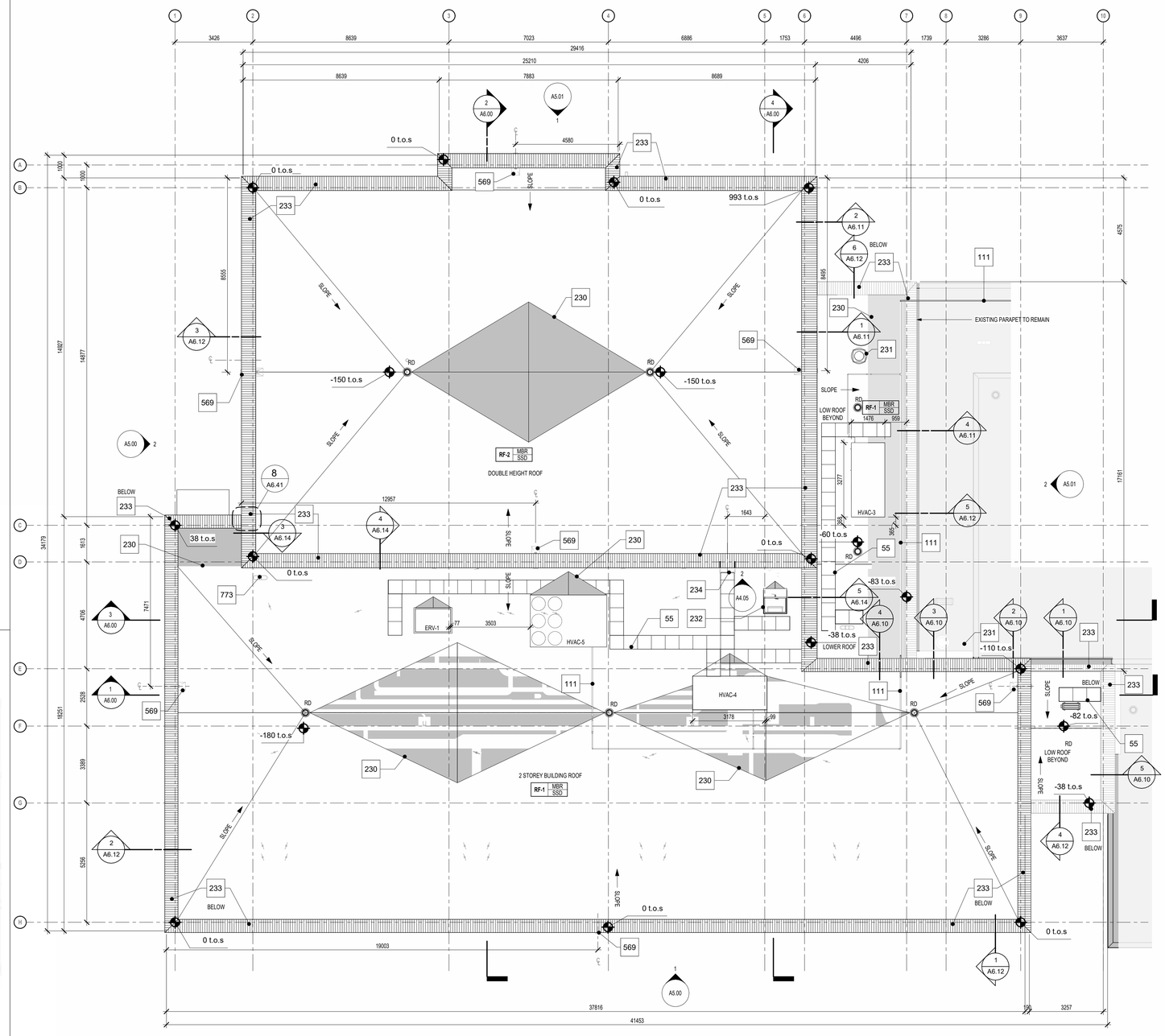
Item	Description
55	NEW ROOFING PAVERS ON 50mm (2") RIGID INSULATION. GENERAL CONTRACTOR TO CUT INSULATION INTO SQUARES WITH GROOVES ALLOWING WATER TO FLOW UNDERNEATH. (REFER TO SPECIFICATIONS AND LOCATIONS ON ROOF PLAN).
111	GAS LINE AND ROOF SUPPORTS. (REFER TO MECANICAL).
230	GREY HATCHED AREA DENOTES ADDITIONAL SLOPED INSULATION TO PROVIDE POSITIVE SLOPE TO ROOF DRAINS.
231	ROOF MOUNTED EXHAUST FAN. (REFER TO MECHANICAL).
232	INSULATED ROOF MOUNTED ACCESS HATCH.
233	PREFINISHED METAL FLASHING.
234	MODULAR ALUMINUM FIXED ROOF ACCESS LADDER WITH D-GRABS AND MOUNTING BRACKETS AND ANCHORS. MODEL 7001 SERIES D-GRAB AS MANUFACTURED BY SKYLINE GROUP OR APPROVED ALTERNATE. THE HEIGHT OF THE LADDER TO BE CONFIRMED ON SITE. GC TO PROVIDE STAMPED SHOP DRAWINGS FOR REVIEW BY CONSULTANTS. LADDER MOUNTING ANCHORS TO SUIT WALL AND/OR ROOF ASSEMBLY. KEEP LADDER MIN 200mm OFF THE FACE OF THE WALL.
569	100H x 450H PREFINISHED METAL BOX SCUPPER W/ 40 FLANGE FRAME MOP 1 PLY EPDM OVER SCUPPER AND MOP 2 PLYS OVER BOTTOM FLANGE
773	GOOSENECK EXHAUST PIPE (SEE MECH DRAWINGS).

Roof Work Notes:

ROOF PENETRATIONS ARE TO BE FABRICATED FROM FIELD DIMENSIONS.
NEW ROOF PENETRATIONS AND ROOF ENCLOSURE TO BE INSTALLED AS SPECIFIED (REFER TO MECHANICAL). GENERAL CONTRACTOR TO SITE INSTALL AIR BARRIER AND VAPOUR RETARDER AROUND OPENINGS COMPATIBLE WITH EXISTING BUILDING ENVELOPE ASSEMBLY. PROVIDE SPRAY FOAM, BACKER ROD AND SEALANTS. PATCH, REPAIR AND PAINT (AS NEEDED) INTERIOR/EXTERIOR SIDES OF OPENINGS. ROOFING CONTRACTOR TO INSTALL ADDITIONAL BLOCKING TO ACCOMMODATE THICKER INSULATION AND CONTINUE ROOFING MEMBRANE SYSTEM UP, OVER CURBS AND INSTALL NEW FLASHING AND REINSTALL MECHANICAL UNITS AS REQUIRED (REFER TO MECHANICAL AND SPECIFICATIONS). (TYPICAL).



Roof - Issometric View 2 A2.12



Proposed Framing Plan - Level Roof - New Addition 1 A4.01 A2.12 1 : 100

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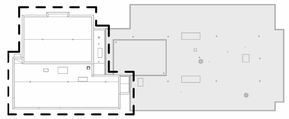

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PROPOSED FRAMING PLAN - ROOF PLAN

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:09:00 PM
drawing number:	A2.12

FLOOR FINISH LEGEND

SYMBOL	PATTERN	FINISH	DESCRIPTION
CPT-1			**457 X 914 mm PLANKS, TARKETT 'BALANCING ACT'** COEXIST (24702) INSTALLATION: ASHLAR, RANDOM
CPT-2			**457 X 914 mm PLANKS, TARKETT 'GROUNDED HARMONY'** ONENESS (24705) INSTALLATION: ASHLAR
VCT-1			**305 X 305 mm VINYL COMPOSITE TILE, ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE'** SOFT COOL GREY (51860)
VCT-2			**305 X 305 mm VINYL COMPOSITE TILE, ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE'** CHARCOAL (51915)
VCT-3			**305 X 305 mm VINYL COMPOSITE TILE, ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE'** GOLDEN (51878)
SPF-1			**SPORTS FLOORING, TARKETT OMNISPORTS 3.5 'SPEED'** GOLDEN MAPLE (TO MATCH EXISING, SITE VERIFY) LOCATION: KINDERGARTEN 120
SPF-2			**SPORTS FLOORING, TARKETT OMNISPORTS 9.4 'PUREPLAY'** GOLDEN MAPLE (TO MATCH EXISING, SITE VERIFY) C/W TARKOLAY UNDERLAYER | LOCATION: GYM 135
CT-1			**305 X 610 mm CERAMIC TILE, CENTURA 'INTEGRA'** PEARL INSTALLATION: STACKED
CT-2			**305 X 610 mm CERAMIC TILE, CENTURA 'INTEGRA'** GRAPHITE INSTALLATION: STACKED
CT-3			**25 X 76 mm CERAMIC MOSAIC TILE, CENTURA 'TECHNO SERIES' (MIKMBU13103),** CHARCOAL INSTALLATION: STACKED
EPX-1			**GREY EPOXY FLOORING** TRUEGLAZE 4508, COLOUR - ZINC LOCATION: AS INDICATED ON FINISH PLAN

NOTES:
1. REFER TO DRAWINGS FOR DIMENSIONS AND LOCATIONS.

WALL, CEILING AND DOOR PAINT FINISH LEGEND

SYMBOL	PATTERN	FINISH	DESCRIPTION
PT-1			**FIELD COLOUR WALL PAINT - BENJAMIN MOORE, TO BE MATCHED SIMILAR TO EXISTING WALL PAINT** ALL NEW WALLS TO BE PAINTED PT-1 UNO
PT-2			**ACCENT WALL PAINT - BENJAMIN MOORE** 'ROCKY MOUNTAIN SKY' (2006-40) LOCATIONS: AS INDICATED ON FINISH PLAN
PT-3			**ACCENT WALL PAINT - BENJAMIN MOORE** 'YOLK' (2023-10) LOCATIONS: AS INDICATED ON FINISH PLAN
PT-4			**ACCENT WALL PAINT - BENJAMIN MOORE** 'EVE GREEN' (2024-02) LOCATIONS: AS INDICATED ON FINISH PLAN
PT-5			**ACCENT WALL PAINT - BENJAMIN MOORE** COLOUR TO MATCH WITH CT-2 LOCATIONS: AS INDICATED ON FINISH PLAN
PT-6			**HM DOOR FRAME PAINT - DULUX** 'DOVER GREY' DLX1001-5 ALL NEW HM FRAMES TO BE PT-6 UNO
PT-7			**PAINT - BENJAMIN MOORE** 'WHITE DOVE' (OC-17) ALL NEW CEILING PAINTED PT-7 UNLESS OTHERWISE NOTED CEILINGS: FLAT FINISH, EXPOSED DECK/STRUCTURE: SEMI-GLOSS FINISH
PT-8			**HM DOOR PANEL PAINT - DULUX** FLAGSTONE 'DLX1001-4' ALL NEW HM DOORS PANELS TO BE PT-8 UNO

NOTES:
1. REFER TO DRAWINGS FOR DIMENSIONS AND LOCATIONS.

WASHROOM FINISH LEGEND

SYMBOL	PATTERN	FINISH	DESCRIPTION
CT-4			**101.6 X 406.4 mm CERAMIC WALL TILE, PORTOBELLO AMERICA, KREA 2.0** SIDEWALK, GLOSSY W/ LIGHT GREY GROUT INSTALLATION: STACKED
CT-5			**101.6 X 406.4 mm CERAMIC WALL TILE, PORTOBELLO AMERICA, KREA 2.0** STORM, GREY, W/ LIGHT GREY GROUT INSTALLATION: STACKED
TPT			**TOILET PARTITION, 3080G.67P SERIES BY BOBRICK, (96" TALL)** COMPACT GRADE LAMINATE (CGL) (OR APPROVED ALTERNATE) OVERHEAD-BRACED (OB) COLOUR: GRAPHITE GRAFIX 515-58
UPT			**URINAL PARTITION (1041) , FLOOR-TO-CEILING BY BOBRICK, (24" WIDE)** COMPACT GRADE LAMINATE (CGL) (OR APPROVED ALTERNATE) OVERHEAD-BRACED (OB) COLOUR: GRAPHITE GRAFIX 515-58

DOOR STAIN FINISH LEGEND

STN		**STAINED WOOD DOORS** BAILLARGEON W/B TEA FOR TWO (BS-SPC-621-0740-25)

Keynote Legend

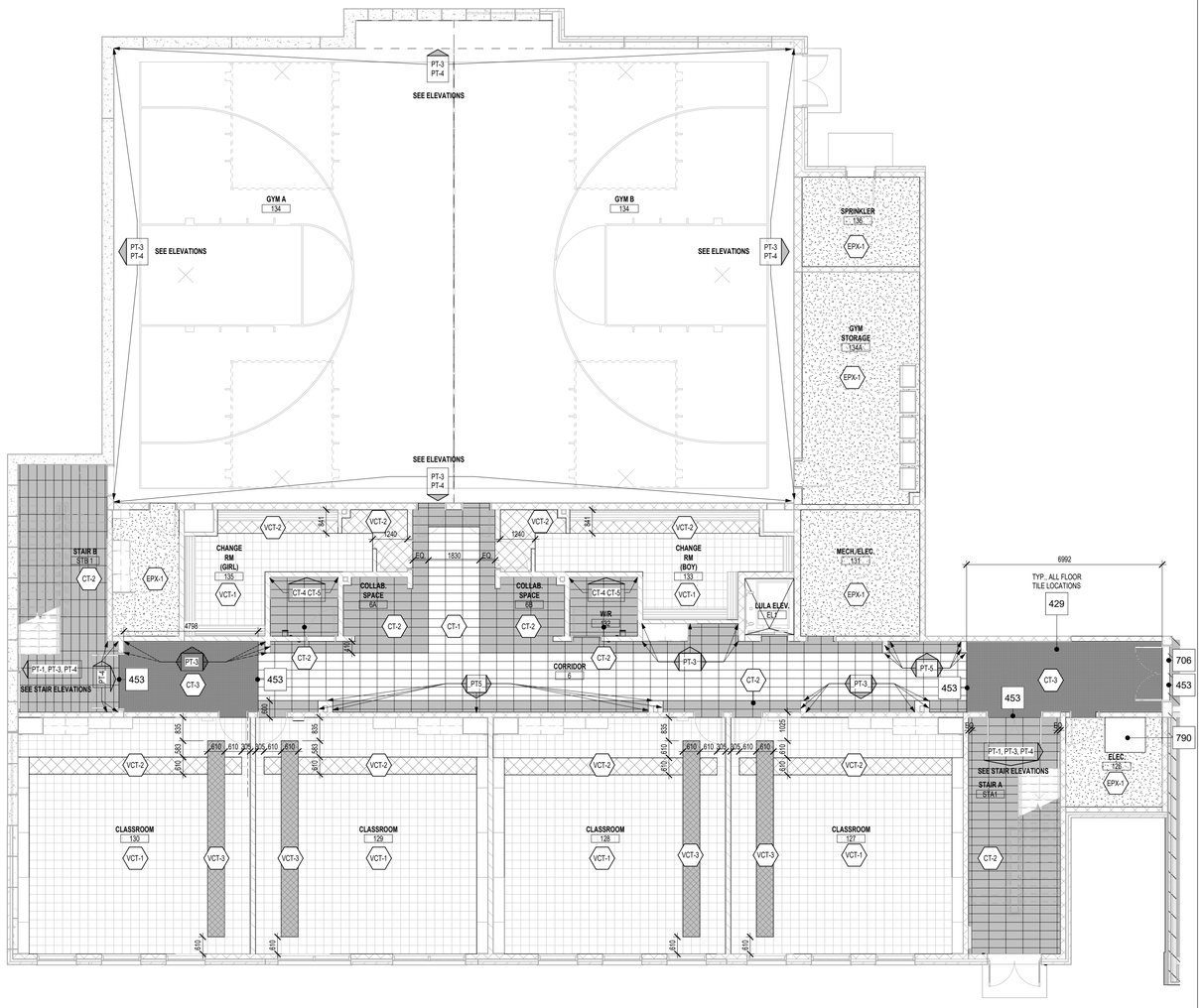
Item	Description
429	DEPRESS CONC. SLAB 20mm FOR INSTALLING PROCELAIN TILE.
453	TILE TO TILE TRANSITIONS ARE TO BE FLUSH. CONTRACTOR CARRY THE COST TO BUILD UP MORTAR BED WHERE REQUIRED.
706	FLOOR TO FLOOR EXPANSION JOINT COVER.
790	HOUSEKEEPING PAD (REFER TO ELECTRICAL).

NOTES:
1. ALL FINISHES TO BE CONFIRMED BY OWNER AND SHALL BE AS SPECIFIED (OR APPROVED ALTERNATE).

2. GENERAL CONTRACTOR TO PROVIDE SAMPLES FOR ALL FINISHES.

3. CERAMIC TILE TRIM AT TOP EDGES AND OUTSIDE CORNERS TO BE SCHLUTER RONDEC ANODIZED (OR APPROVED ALTERNATE). ALL GAPS TO BE FILLED WITH GROUT.

4. ALL DIMENSIONS MUST BE CONFIRMED ON SITE BY CONTRACTORS. CAREFULLY EXAMINE ALL EXISTING SITE CONDITIONS AND BUILDING COMPONENTS ALONG WITH ALL DIMENSIONS THAT WILL AFFECT THE PROPER EXECUTION OF WORK IN ORDER TO OBTAIN A CLEAR AND COMPREHENSIVE UNDERSTANDING OF THE WORK REQUIRED TO COMPLETE THE PROJECT.



Overall Interior Finish Plan - Level 1 Addition

1 | A1.40 A2.30

1 : 100

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

OVERALL INTERIOR FINISHES PLAN - LEVEL 1 ADDITION

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:09:05 PM

drawing number:

A2.30

FLOOR FINISH LEGEND

SYMBOL	PATTERN	FINISH	DESCRIPTION
CPT-1			**457 X 914 mm PLANKS, TARKETT 'BALANCING ACT'** COEXIST (24702) INSTALLATION: ASHLAR, RANDOM
CPT-2			**457 X 914 mm PLANKS, TARKETT 'GROUNDED HARMONY'** ONENESS (24705) INSTALLATION: ASHLAR
VCT-1			**305 X 305 mm VINYL COMPOSITE TILE, ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE'** SOFT COOL GREY (51860)
VCT-2			**305 X 305 mm VINYL COMPOSITE TILE, ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE'** CHARCOAL (51915)
VCT-3			**305 X 305 mm VINYL COMPOSITE TILE, ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE'** GOLDEN (51878)
SPF-1			**SPORTS FLOORING, TARKETT OMNISPORTS 3.5 'SPEED'** GOLDEN MAPLE (TO MATCH EXISING, SITE VERIFY) LOCATION: KINDERGARTEN 120
SPF-2			**SPORTS FLOORING, TARKETT OMNISPORTS 9.4 'PUREPLAY'** GOLDEN MAPLE (TO MATCH EXISING, SITE VERIFY) C/W TARKOLAY UNDERLAYER | LOCATION: GYM 135
CT-1			**305 X 610 mm CERAMIC TILE, CENTURA 'INTEGRA'** PEARL INSTALLATION: STACKED
CT-2			**305 X 610 mm CERAMIC TILE, CENTURA 'INTEGRA'** GRAPHITE INSTALLATION: STACKED
CT-3			**25 X 76 mm CERAMIC MOSAIC TILE, CENTURA 'TECHNO SERIES' (MIKMBU13103),** CHARCOAL INSTALLATION: STACKED
EPX-1			**GREY EPOXY FLOORING** TRUEGLAZE 4508, COLOUR - ZINC LOCATION: AS INDICATED ON FINISH PLAN

NOTES:
1. REFER TO DRAWINGS FOR DIMENSIONS AND LOCATIONS.

WALL, CEILING AND DOOR PAINT FINISH LEGEND

SYMBOL	PATTERN	FINISH	DESCRIPTION
PT-1			**FIELD COLOUR WALL PAINT - BENJAMIN MOORE, TO BE MATCHED SIMILAR TO EXISTING WALL PAINT** ALL NEW WALLS TO BE PAINTED PT-1 UNO
PT-2			**ACCENT WALL PAINT - BENJAMIN MOORE** 'ROCKY MOUNTAIN SKY' (2006-40) LOCATIONS: AS INDICATED ON FINISH PLAN
PT-3			**ACCENT WALL PAINT - BENJAMIN MOORE** 'YOLK' (2023-10) LOCATIONS: AS INDICATED ON FINISH PLAN
PT-4			**ACCENT WALL PAINT - BENJAMIN MOORE** 'EVE GREEN' (2024-02) LOCATIONS: AS INDICATED ON FINISH PLAN
PT-5			**ACCENT WALL PAINT - BENJAMIN MOORE** COLOUR TO MATCH WITH CT-2 LOCATIONS: AS INDICATED ON FINISH PLAN
PT-6			**HM DOOR FRAME PAINT - DULUX** 'DOVER GREY' DLX1001-5 ALL NEW HM FRAMES TO BE PT-6 UNO
PT-7			**PAINT - BENJAMIN MOORE** 'WHITE DOVE' (OC-17) ALL NEW CEILING PAINTED PT-7 UNLESS OTHERWISE NOTED CEILINGS: FLAT FINISH, EXPOSED DECK/STRUCTURE: SEMI-GLOSS FINISH
PT-8			**HM DOOR PANEL PAINT - DULUX** FLAGSTONE 'DLX1001-4' ALL NEW HM DOORS PANELS TO BE PT-8 UNO

NOTES:
1. REFER TO DRAWINGS FOR DIMENSIONS AND LOCATIONS.

WASHROOM FINISH LEGEND

SYMBOL	PATTERN	FINISH	DESCRIPTION
CT-4			**101.6 X 406.4 mm CERAMIC WALL TILE, PORTOBELLO AMERICA, KREA 2.0** SIDEWALK, GLOSSY W/ LIGHT GREY GROUT INSTALLATION: STACKED
CT-5			**101.6 X 406.4 mm CERAMIC WALL TILE, PORTOBELLO AMERICA, KREA 2.0** STORM, GREY, W/ LIGHT GREY GROUT INSTALLATION: STACKED
TPT			**TOILET PARTITION, 3080G.67P SERIES BY BOBRICK, (96" TALL)** COMPACT GRADE LAMINATE (CGL) (OR APPROVED ALTERNATE) OVERHEAD-BRACED (OB) COLOUR: GRAPHITE GRAFIX 515-58
UPT			**URINAL PARTITION (1041) , FLOOR-TO-CEILING BY BOBRICK, (24" WIDE)** COMPACT GRADE LAMINATE (CGL) (OR APPROVED ALTERNATE) OVERHEAD-BRACED (OB) COLOUR: GRAPHITE GRAFIX 515-58

DOOR STAIN FINISH LEGEND

STN		**STAINED WOOD DOORS** BAILLARGEON W/B TEA FOR TWO (BS-SPC-621-0740-25)

Keynote Legend

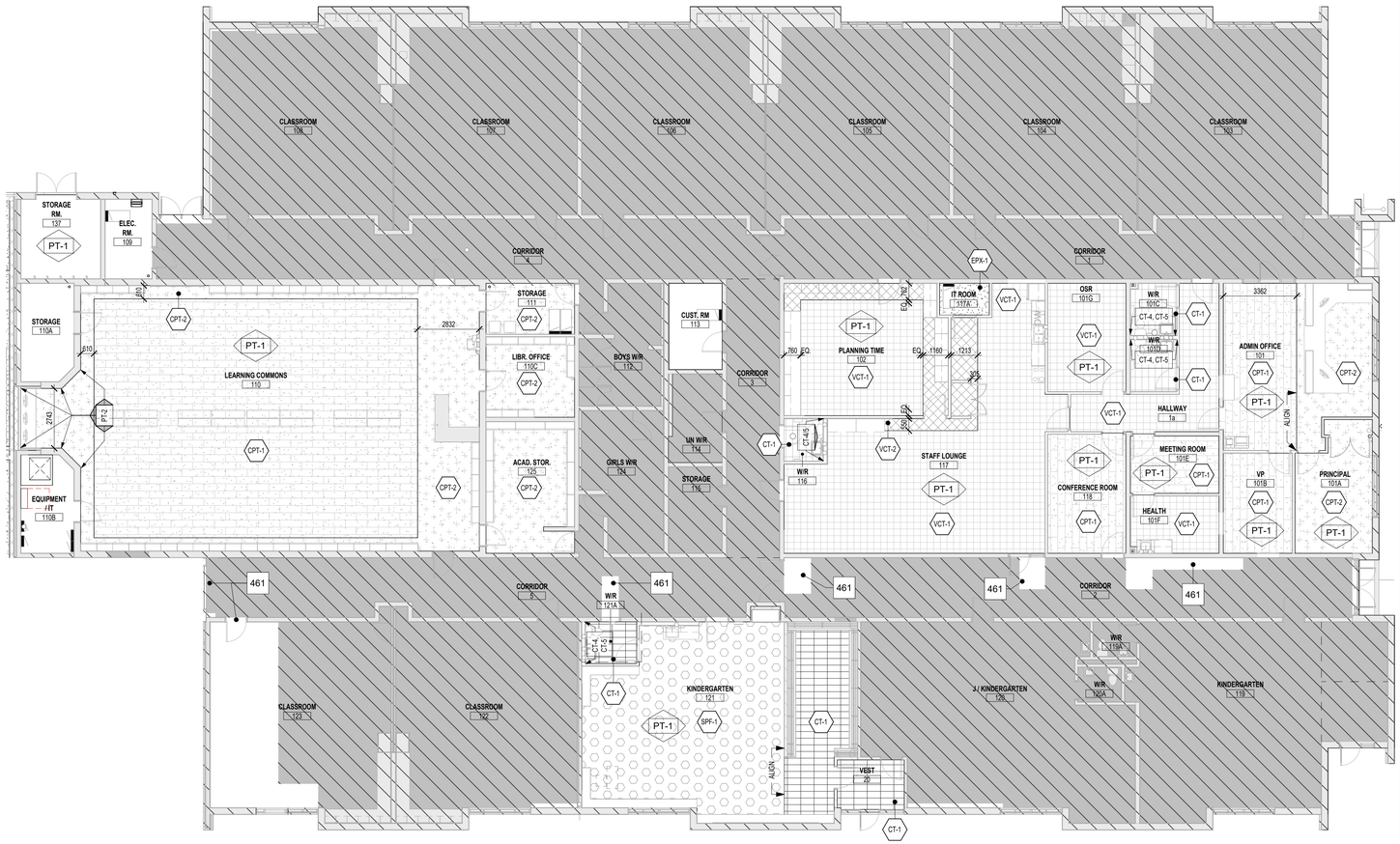
Item	Description
461	GENERAL CONTRACTOR TO PROVIDE FLOOR PATCHING AT DOORS TO ENSURE SMOOTH TRANSITION BETWEEN NEW AND EXISTING FINISHES. GC TO PROVIDE REQUIRED CONCRETE PATCHING/INFILL AND NEW VCT FINISH AT AREAS OF CONSTRUCTION. GC TO MATCH ADJACENT FLOOR FINISH.

NOTES:
1. ALL FINISHES TO BE CONFIRMED BY OWNER AND SHALL BE AS SPECIFIED (OR APPROVED ALTERNATE).

2. GENERAL CONTRACTOR TO PROVIDE SAMPLES FOR ALL FINISHES.

3. CERAMIC TILE TRIM AT TOP EDGES AND OUTSIDE CORNERS TO BE SCHLUTER RONDEC ANODIZED (OR APPROVED ALTERNATE). ALL GAPS TO BE FILLED WITH GROUT.

4. ALL DIMENSIONS MUST BE CONFIRMED ON SITE BY CONTRACTORS. CAREFULLY EXAMINE ALL EXISTING SITE CONDITIONS AND BUILDING COMPONENTS ALONG WITH ALL DIMENSIONS THAT WILL AFFECT THE PROPER EXECUTION OF WORK IN ORDER TO OBTAIN A CLEAR AND COMPREHENSIVE UNDERSTANDING OF THE WORK REQUIRED TO COMPLETE THE PROJECT.



Level 1 Interior Finishes Plan (Renovated Area)

1 | A1.40 A2.31 | 1 : 125

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

OVERALL INTERIOR FINISHES PLAN - LEVEL 1 RENOVATION

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:09:11 PM
drawing number:	**A2.31**

FLOOR FINISH LEGEND

SYMBOL	PATTERN	FINISH	DESCRIPTION
CPT-1			**457 X 914 mm PLANKS, TARKETT 'BALANCING ACT'** COEXIST (24702) INSTALLATION: ASHLAR, RANDOM
CPT-2			**457 X 914 mm PLANKS, TARKETT 'GROUNDED HARMONY'** ONENESS (24705) INSTALLATION: ASHLAR
VCT-1			**305 X 305 mm VINYL COMPOSITE TILE, ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE'** SOFT COOL GREY (51860)
VCT-2			**305 X 305 mm VINYL COMPOSITE TILE, ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE'** CHARCOAL (51915)
VCT-3			**305 X 305 mm VINYL COMPOSITE TILE, ARMSTRONG 'STANDARD EXCELON IMPERIAL TEXTURE'** GOLDEN (51878)
SPF-1			**SPORTS FLOORING, TARKETT OMNISPORTS 3.5 'SPEED'** GOLDEN MAPLE (TO MATCH EXISING, SITE VERIFY) LOCATION: KINDERGARTEN 120
SPF-2			**SPORTS FLOORING, TARKETT OMNISPORTS 9.4 'PUREPLAY'** GOLDEN MAPLE (TO MATCH EXISING, SITE VERIFY) C/W TARKOLAY UNDERLAYER | LOCATION: GYM 135
CT-1			**305 X 610 mm CERAMIC TILE, CENTURA 'INTEGRA'** PEARL INSTALLATION: STACKED
CT-2			**305 X 610 mm CERAMIC TILE, CENTURA 'INTEGRA'** GRAPHITE INSTALLATION: STACKED
CT-3			**25 X 76 mm CERAMIC MOSAIC TILE, CENTURA 'TECHNO SERIES' (MIKMBU13103),** CHARCOAL INSTALLATION: STACKED
EPX-1			**GREY EPOXY FLOORING** TRUEGLAZE 4508, COLOUR - ZINC LOCATION: AS INDICATED ON FINISH PLAN

NOTES:
1. REFER TO DRAWINGS FOR DIMENSIONS AND LOCATIONS.

WALL, CEILING AND DOOR PAINT FINISH LEGEND

SYMBOL	PATTERN	FINISH	DESCRIPTION
PT-1			**FIELD COLOUR WALL PAINT - BENJAMIN MOORE, TO BE MATCHED SIMILAR TO EXISTING WALL PAINT** ALL NEW WALLS TO BE PAINTED PT-1 UNO
PT-2			**ACCENT WALL PAINT - BENJAMIN MOORE** 'ROCKY MOUNTAIN SKY' (2006-40) LOCATIONS: AS INDICATED ON FINISH PLAN
PT-3			**ACCENT WALL PAINT - BENJAMIN MOORE** 'YOLK' (2023-10) LOCATIONS: AS INDICATED ON FINISH PLAN
PT-4			**ACCENT WALL PAINT - BENJAMIN MOORE** 'EVE GREEN' (2024-02) LOCATIONS: AS INDICATED ON FINISH PLAN
PT-5			**ACCENT WALL PAINT - BENJAMIN MOORE** COLOUR TO MATCH WITH CT-2 LOCATIONS: AS INDICATED ON FINISH PLAN
PT-6			**HM DOOR FRAME PAINT - DULUX** 'DOVER GREY' DLX1001-5 ALL NEW HM FRAMES TO BE PT-6 UNO
PT-7			**PAINT - BENJAMIN MOORE** 'WHITE DOVE' (OC-17) ALL NEW CEILING PAINTED PT-7 UNLESS OTHERWISE NOTED CEILINGS: FLAT FINISH, EXPOSED DECK/STRUCTURE: SEMI-GLOSS FINISH
PT-8			**HM DOOR PANEL PAINT - DULUX** FLAGSTONE 'DLX1001-4' ALL NEW HM DOORS PANELS TO BE PT-8 UNO

NOTES:
1. REFER TO DRAWINGS FOR DIMENSIONS AND LOCATIONS.

WASHROOM FINISH LEGEND

SYMBOL	PATTERN	FINISH	DESCRIPTION
CT-4			**101.6 X 406.4 mm CERAMIC WALL TILE, PORTOBELLO AMERICA, KREA 2.0** SIDEWALK, GLOSSY W/ LIGHT GREY GROUT INSTALLATION: STACKED
CT-5			**101.6 X 406.4 mm CERAMIC WALL TILE, PORTOBELLO AMERICA, KREA 2.0** STORM, GREY, W/ LIGHT GREY GROUT INSTALLATION: STACKED
TPT			**TOILET PARTITION, 3080G.67P SERIES BY BOBRICK, (96" TALL)** COMPACT GRADE LAMINATE (CGL) (OR APPROVED ALTERNATE) OVERHEAD-BRACED (OB) COLOUR: GRAPHITE GRAFIX 515-58
UPT			**URINAL PARTITION (1041) , FLOOR-TO-CEILING BY BOBRICK, (24" WIDE)** COMPACT GRADE LAMINATE (CGL) (OR APPROVED ALTERNATE) OVERHEAD-BRACED (OB) COLOUR: GRAPHITE GRAFIX 515-58

DOOR STAIN FINISH LEGEND

STN		**STAINED WOOD DOORS** BAILLARGEON W/B TEA FOR TWO (BS-SPC-621-0740-25)

Keynote Legend

Item	Description
252	PAINT NEW WALL GRAPHIC ON CMU FOR BOYS AND GIRLS WASHROOMS, TYP.
429	DEPRESS CONC. SLAB 20mm FOR INSTALLING PROCELAIN TILE.
436	PROVIDE POSITIVE SLOPE TO FLOOR DRAIN, TYP.
453	TILE TO TILE TRANSITIONS ARE TO BE FLUSH. CONTRACTOR CARRY THE COST TO BUILD UP MORTAR BED WHERE REQUIRED.

NOTES:
1. ALL FINISHES TO BE CONFIRMED BY OWNER AND SHALL BE AS SPECIFIED (OR APPROVED ALTERNATE).

2. GENERAL CONTRACTOR TO PROVIDE SAMPLES FOR ALL FINISHES.

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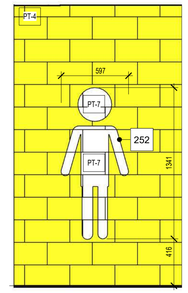
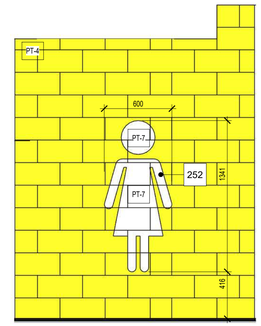
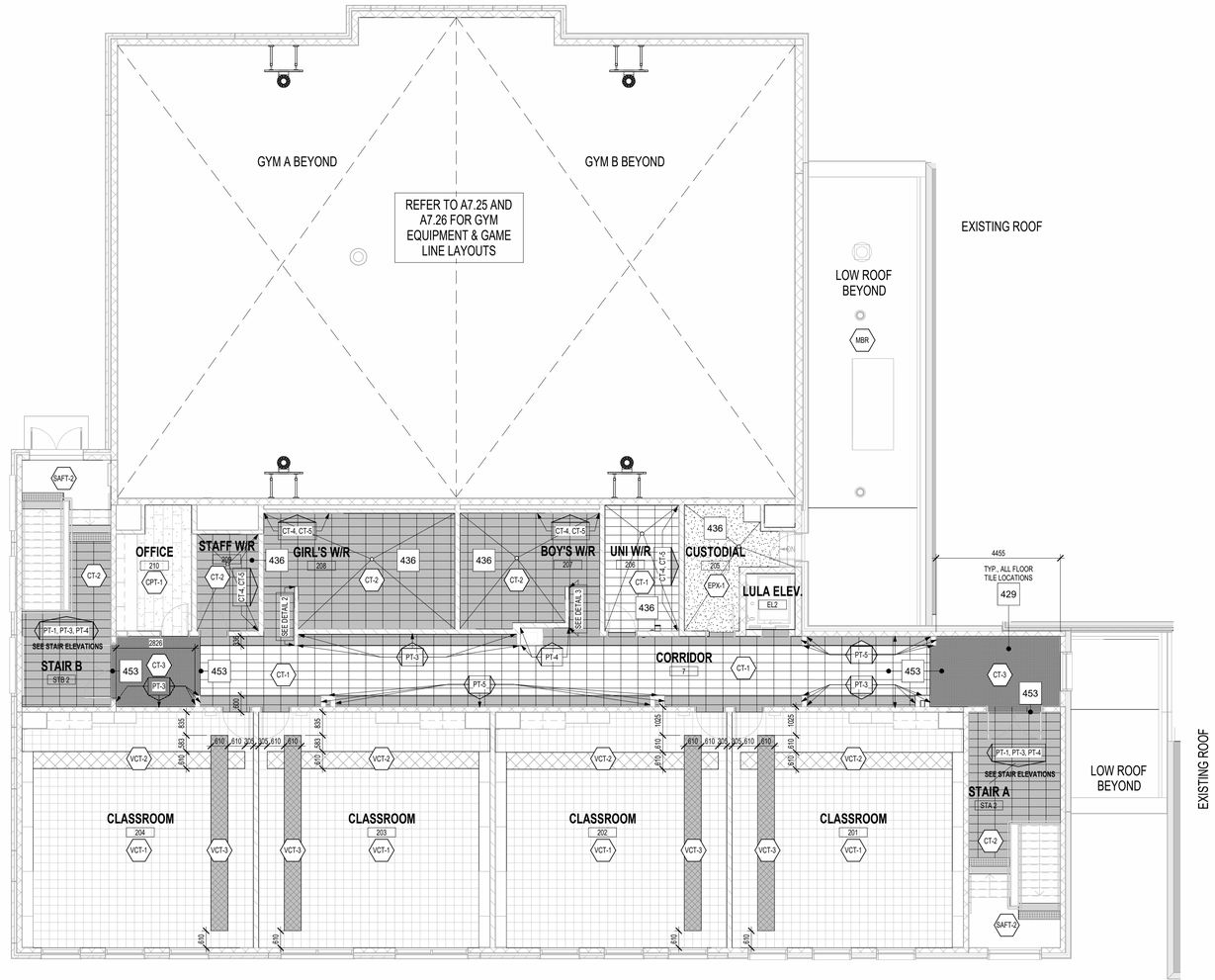


BOY'S WR WALL GRAPHIC 3 A2.32 1 : 25



GIRL'S WR WALL GRAPHIC 2 A2.32 1 : 25



Overall Interior Finish Plan - Level 2 Addition 1 A1.41 A2.32 1 : 100

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1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

OVERALL INTERIOR FINISHES PLAN - LEVEL 2

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:09:18 PM

drawing number:

A2.32

Keynote Legend

Item	Description
87	NEW MECHANICAL DIFFUSER. (REFER TO MECHANICAL).
88	NEW LIGHT FIXTURE (REFER TO ELECTRICAL).
107	1 5/8" x 1 5/8" UNISTRUT CHANNEL AT SUPPORTED FROM OWSJ VIA THREADED OR PENCIL ROD. SUPPORTS NOT TO EXCEED 6'-0" OC (GC TO COORDINATE LOCATION AND AMOUNT WITH ACOUSTIC CEILING TREATMENTS AND LIGHT FIXTURES). UNISTRUT SYSTEM TO BE PAINTED TO MATCH CEILING PAINT.
237	BRIGHTLINK VIDEO PROJECTOR (NIC). (GC TO COORDINATE INSTALLATION AND LOCATION ABOVE WHITEBOARD WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS).
X184	EXISTING IT CABINET. GC TO PROTECT EXISTING INFRASTRUCTURE DURING DEMOLITION/CONSTRUCTION.

Reflected Ceiling Legend

Symbol	Ceiling Element Description	Symbol	Ceiling Element Description	Symbol	Ceiling Element Description	Symbol	Ceiling Element Description
C-1 2600	CEILING TAG		ACOUSTIC LINEAR LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		1'x4' PENDANT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		18" PENDANT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS
	2'x4' ACOUSTIC CEILING TILES		2'x4' RECESSED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		SUPPLY DIFFUSER, SEE MECHANICAL DRAWINGS		1'x4' PENDANT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS
	ACOUSTIC CEILING FIN, SEE SPECIFICATIONS LENGTHS VARY, REFER TO ENLARGED CEILING DETAILS		1'x4' RECESSED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		RETURN AIR GRILLE, SEE MECHANICAL DRAWINGS		RECESSED POT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS
	ACOUSTIC CEILING SHAPE, SEE SPECIFICATIONS		1'x4' SURFACE MOUNTED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		EXHAUST, SEE MECHANICAL DRAWINGS		
X_1	DATA DROP AA DESK	20	20' X 20' MOTION SENSOR	S	SIREN		
X_2	DATA DROP PRINCIPAL DESK	LR	LONG RANGE MOTION SENSOR	T	TEMPERATURE SENSOR		
*	DOOR CONTACT		60' X 80' MOTION SENSOR IN CAGE				

NOTES:
1. ALL MECHANICAL AND ELECTRICAL ITEMS ARE NOT NECESSARILY INDICATED ON THE REFLECTED CEILING PLAN ALSO REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
2. FOR ANY CONFLICTING CEILING ITEMS REQUIRING FURTHER CO-ORDINATION CONTACT THE ARCHITECT.

LEVEL 1 - RENOVATION 1 A1.40/A3.00 1 : 100

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5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
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2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

RCP- LEVEL 1 - RENOVATION

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:09:27 PM
drawing number:	A3.00

Keynote Legend

Item	Description
107	1 5/8" x 1 5/8" UNISTRUT CHANNEL AT SUPPORTED FROM OWSJ VIA THREADED OR PENCIL ROD. SUPPORTS NOT TO EXCEED 6'-0" OC (GC TO COORDINATE LOCATION AND AMOUNT WITH ACOUSTIC CEILING TREATMENTS AND LIGHT FIXTURES). UNISTRUT SYSTEM TO BE PAINTED TO MATCH CEILING PAINT.

ACOUSTIC CEILING PANEL LEGEND

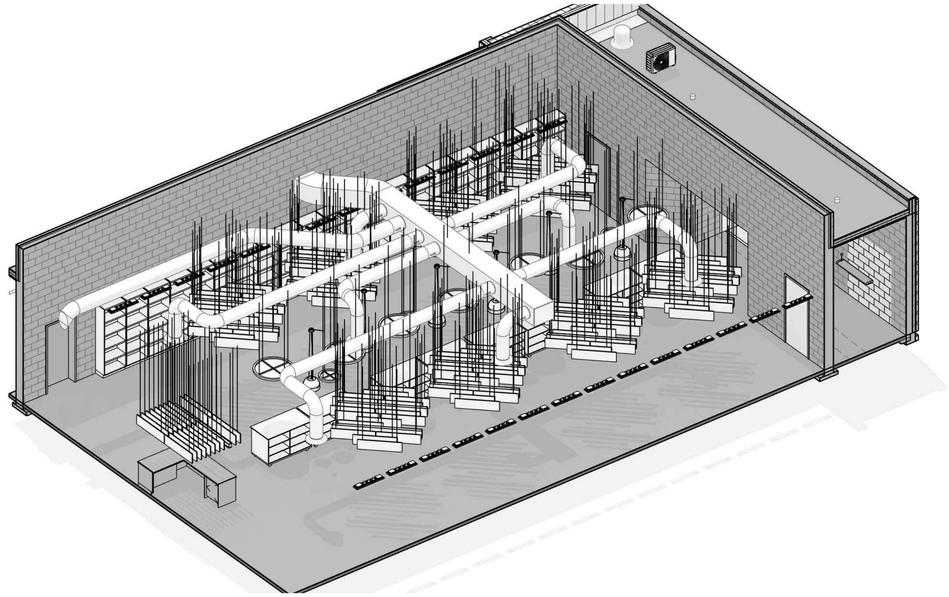
SYMBOL	IMAGE	FINISH	CEILING ELEMENT DESCRIPTION
ACP-1a			1200 X 300 X 24 mm ACOUSTIC CEILING FIN - HUSH ACOUSTICS COLOUR: SNOW INSTALL: 45 DEGREE ANGLE ACROSS LEARNNING COMMONS
ACP-1b			OPEN SPACE 1200 X 300 X 24 mm ACOUSTIC CEILING FIN - HUSH ACOUSTICS COLOUR: CASPER INSTALL: 45 DEGREE ANGLE ACROSS LEARNNING COMMONS
ACP-2a			OPEN SPACE 600 DIA X 50 mm ACOUSTIC CEILING CLOUD - HUSH ACOUSTICS COLOUR: MOSS INSTALL: 2134 mm A.F.F.
ACP-2b			1100 DIA X 50 mm ACOUSTIC CEILING CLOUD - HUSH ACOUSTICS COLOUR: OCEAN INSTALL: HEIGHT A.F.F. VARIES, REFER TO PLANS
ACL-1			2400 X 100 X 250 mm LIGHTBEAM ACOUSTIC LINEAR LIGHT FIXTURE - HUSH ACOUSTICS COLOUR: HONEY PINE INSTALL: 2273 mm A.F.F.

NOTES:
1. REFER TO PANS FOR DIMENSIONS AND LOCATIONS

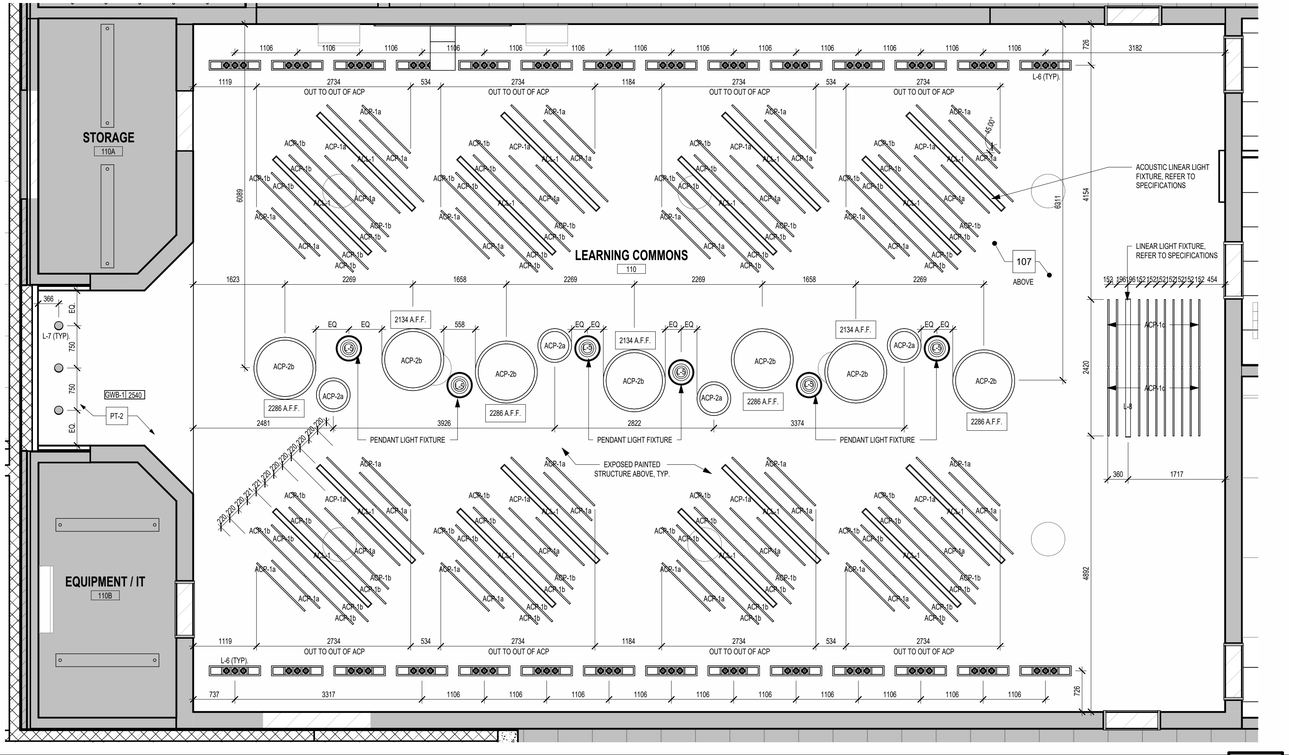
SPECIALTY LIGHTING

SYMBOL	IMAGE	FINISH	CEILING ELEMENT DESCRIPTION
L-5			BOOP P80 PENDANT LIGHT FIXTURE - ARANGIA COLOUR: BK – BLACK POWDER COATED INSTALL: 1981 mm A.F.F.
L-6			3G -PIN3 SUSPENDED LIGHT FIXTURE - 3G LIGHTING COLOUR: BK – BLACK INSTALL: mm A.F.F.

NOTES:
1. REFER TO PANS FOR DIMENSIONS AND LOCATIONS



Isometric View - Learning Commons **2** A3.00a



Level 1 - Enlarged RCP - Learning Commons **1** A3.00a 1 : 50

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5	2025.09.08	Issued For Permit
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2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

LEVEL 1 ENLARGED CEILING PLANS AND DETAILS

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:09:38 PM
drawing number:	**A3.00a**

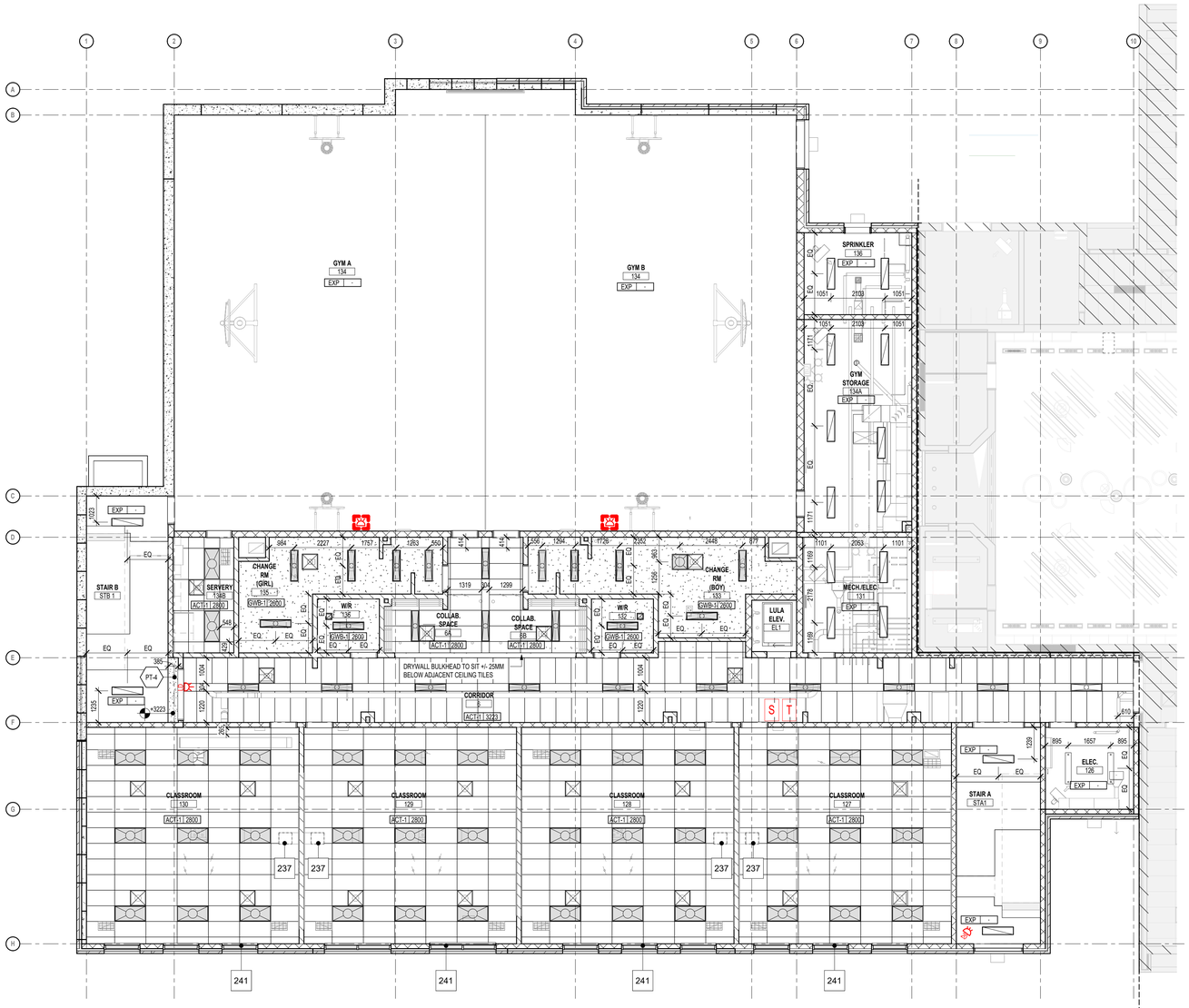
Keynote Legend

Item	Description
237	BRIGHTLINK VIDEO PROJECTOR (NIC). (GC TO COORDINATE INSTALLATION AND LOCATION ABOVE WHITEBOARD WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS).
241	ROLLER SHADE (TYPICAL).

Reflected Ceiling Legend

Symbol	Ceiling Element Description	Symbol	Ceiling Element Description	Symbol	Ceiling Element Description	Symbol	Ceiling Element Description
C-1 2600	CEILING TAG		ACOUSTIC LINEAR LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		1'x4' PENDANT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		18" PENDANT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS
	2'x4' ACOUSTIC CEILING TILES		2'x4' RECESSED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		SUPPLY DIFFUSER, SEE MECHANICAL DRAWINGS		1'x4' PENDANT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS
	ACOUSTIC CEILING FIN, SEE SPECIFICATIONS LENGTHS VARY, REFER TO ENLARGED CEILING DETAILS		1'x4' RECESSED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		RETURN AIR GRILLE, SEE MECHANICAL DRAWINGS		RECESSED POT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS
	ACOUSTIC CEILING SHAPE, SEE SPECIFICATIONS		1'x4' SURFACE MOUNTED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		EXHAUST, SEE MECHANICAL DRAWINGS		
X_1	DATA DROP AA DESK	20	20' X 20' MOTION SENSOR	S	SIREN		
X_2	DATA DROP PRINCIPAL DESK	LR	LONG RANGE MOTION SENSOR	T	TEMPERATURE SENSOR		
*	DOOR CONTACT		60' X 80' MOTION SENSOR IN CAGE				

NOTES:
1. ALL MECHANICAL AND ELECTRICAL ITEMS ARE NOT NECESSARILY INDICATED ON THE REFLECTED CEILING PLAN ALSO REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
2. FOR ANY CONFLICTING CEILING ITEMS REQUIRING FURTHER CO-ORDINATION CONTACT THE ARCHITECT.



Level 1 - RCP

1 A1.40 A3.01 1 : 100

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

RCP- LEVEL 1 - NEW ADDITION

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:09:47 PM

drawing number:

A3.01

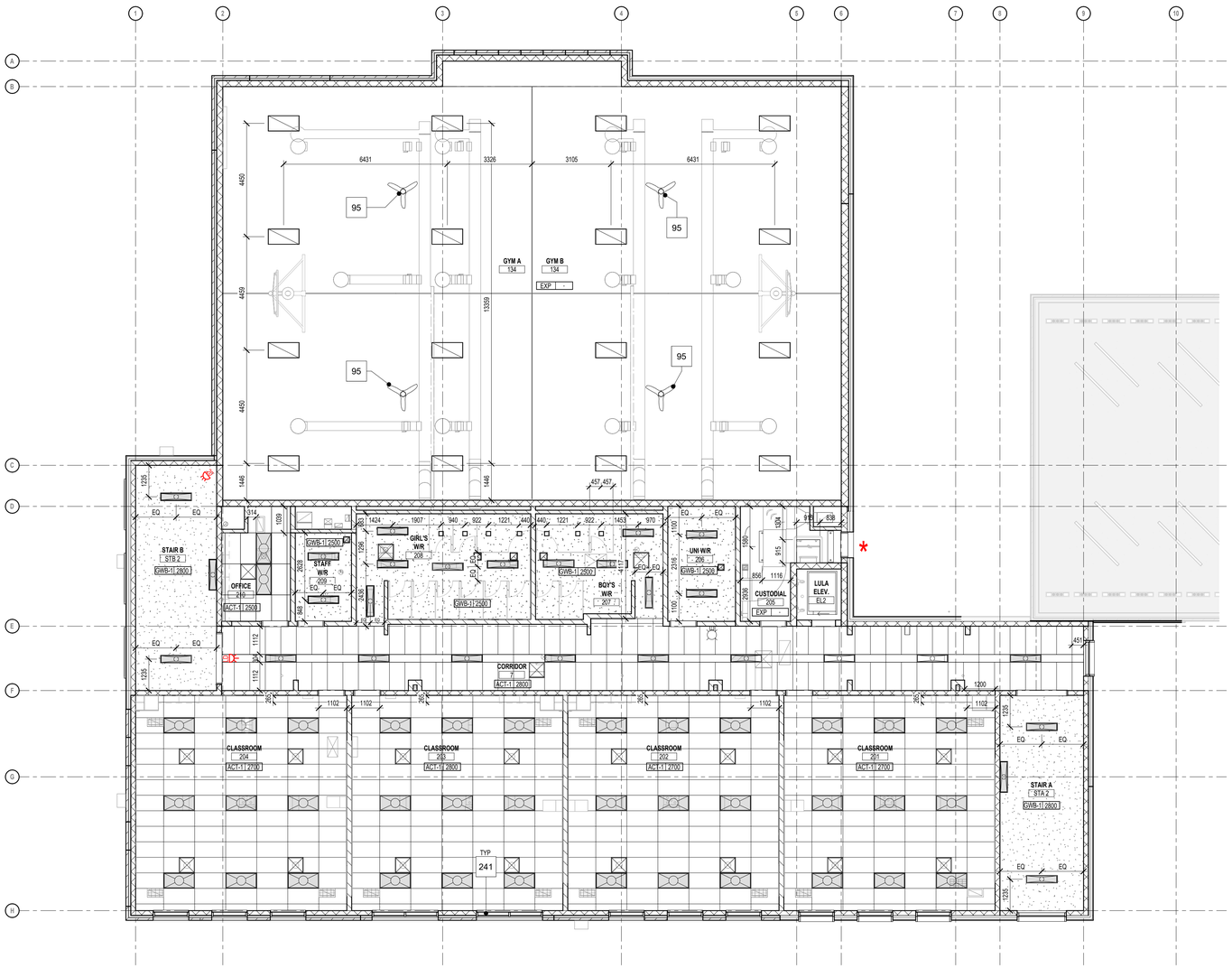
Keynote Legend

Item	Description
95	CEILILNG FAN (REFER TO MECHANICAL/ELECTRICAL).
241	ROLLER SHADE (TYPICAL).

Reflected Ceiling Legend

Symbol	Ceiling Element Description	Symbol	Ceiling Element Description	Symbol	Ceiling Element Description	Symbol	Ceiling Element Description
C-1 2600	CEILING TAG		ACOUSTIC LINEAR LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		1'x4' PENDANT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		18" PENDANT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS
	2'x4' ACOUSTIC CEILING TILES		2'x4' RECESSED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		SUPPLY DIFFUSER, SEE MECHANICAL DRAWINGS		1'x4' PENDANT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS
	ACOUSTIC CEILING FIN, SEE SPECIFICATIONS LENGTHS VARY, REFER TO ENLARGED CEILING DETAILS		1'x4' RECESSED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		RETURN AIR GRILLE, SEE MECHANICAL DRAWINGS		RECESSED POT LIGHT FIXTURE SEE ELECTRICAL DRAWINGS
	ACOUSTIC CEILING SHAPE, SEE SPECIFICATIONS		1'x4' SURFACE MOUNTED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS		EXHAUST, SEE MECHANICAL DRAWINGS		
X_1	DATA DROP AA DESK	20'	20' X 20' MOTION SENSOR	S	SIREN		
X_2	DATA DROP PRINCIPAL DESK	LR	LONG RANGE MOTION SENSOR	T	TEMPERATURE SENSOR		
*	DOOR CONTACT		60' X 80' MOTION SENSOR IN CAGE				

NOTES:
1. ALL MECHANICAL AND ELECTRICAL ITEMS ARE NOT NECESSARILY INDICATED ON THE REFLECTED CEILING PLAN ALSO REFER TO MECHANICAL AND ELECTRICAL DRAWINGS.
2. FOR ANY CONFLICTING CEILING ITEMS REQUIRING FURTHER CO-ORDINATION CONTACT THE ARCHITECT.



Level 2 - RCP

1
A1.41 A3.02

1 : 100

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#	date:	revision:
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3	2025.08.29	90% Client Review
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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

RCP- LEVEL 2 - NEW ADDITION

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:09:52 PM
drawing number:	**A3.02**

Keynote Legend

Item	Description
54	PUSH BUTTON DOOR OPERATOR (REFER TO ELECTRICAL)
86	TACTILE WARNING STRIP. TYP.
110	ELECTRICAL HEATER. (REFER TO ELECTRICAL).
747	STEEL HANDRAIL c/w WALL SUPPORT (REFER TO STAIR DETAILS).
748	STEEL GUARD AND HANDRAIL c/w STEEL POSTS AND PICKETS (REFER TO STAIR DETAILS).
749	RETURN HANDRAIL TO WALL, TYPICAL.

STAIR FINISH LEGEND

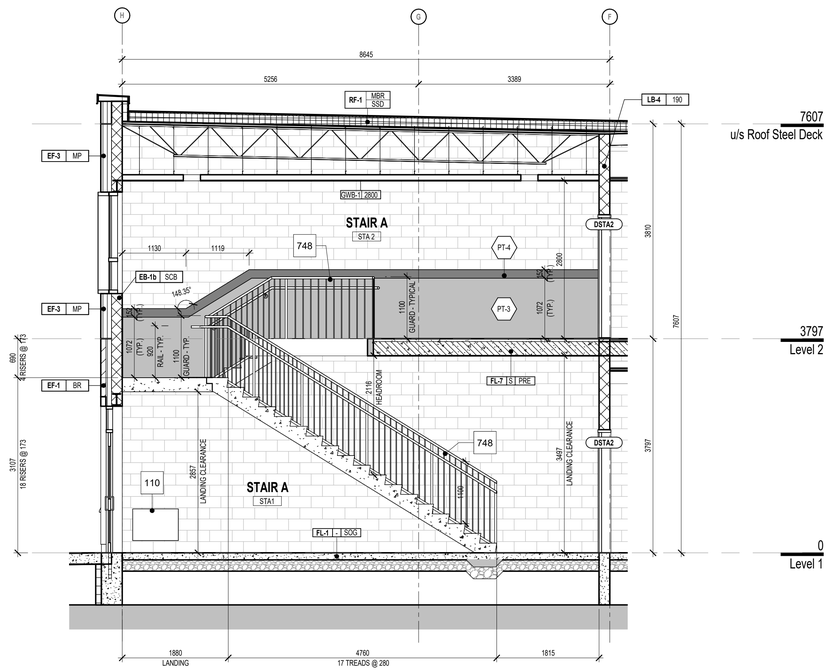
	RUBBER TREADS & RISERS	SAFT-1	JOHNSONITE ANGLE FIT RUBBER STAIR TREAD WITH INTEGRATED RISER - VIBMNTR, BY TARKETT PROFILE: BAMBOO COLOUR: 21 PLATINUM VISUALLY IMPARED STRIP: BLACK
	RUBBER LANDINGS	SAFT-2	609.6mm x 609.6mm SOLID COLOUR RUBBER TILES BY TARKETT - BMRT PROFILE: BAMBOO COLOUR: TO MATCH TREADS & RISERS
	HANDRAILS & GUARDRAILS C/W MOUNTING HARDWARE	SS	STAINLESS STEEL FINISH

STAIR ACCESSORIES

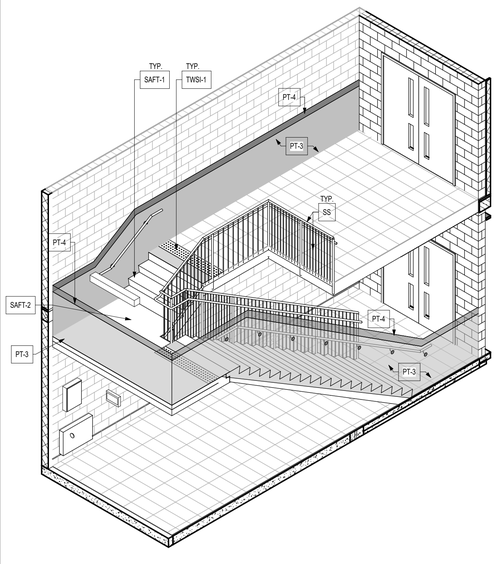
	TACTILE WALKING SURFACE INDICATOR	TWSI-1	609.6MM X 609.6mm TACTILE WARNING SURFACE - RUBBER, BY TARKETT PRODUCT CODE: '40' COLOUR: 40 BLACK

NOTES:
ALL COLOURS AND FINISHES AS SPECIFIED OR (APPROVED ALTERNATIVE), TO BE CONFIRMED BY OWNER/ARCHITECT

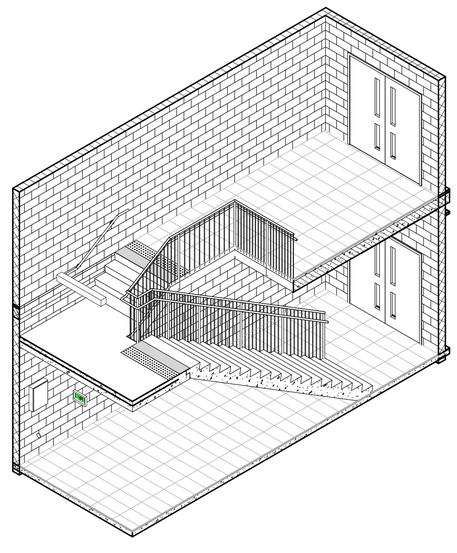
REFER TO FINISH PLANS FOR WALL FINISHES



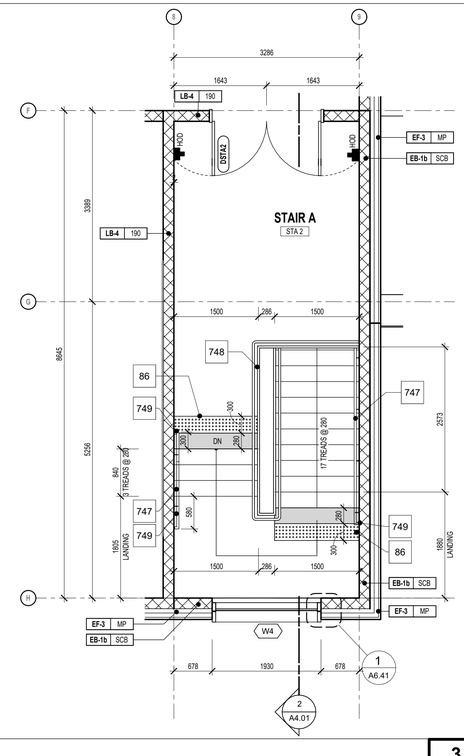
Stair A - Section 2 A4.01 A4.01 1 : 50



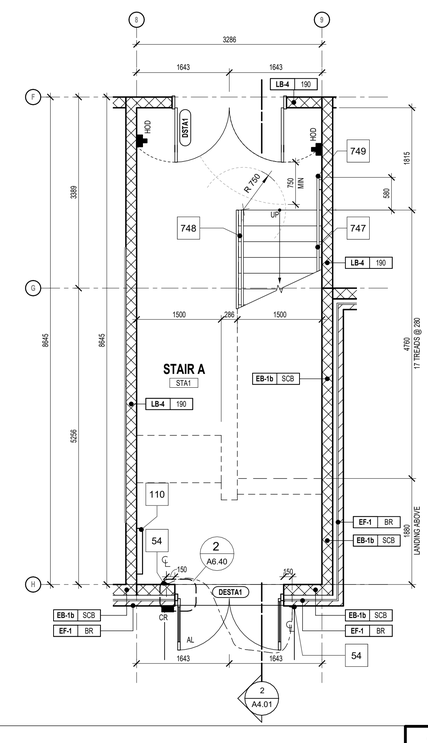
Stair A - Isometric View - Material Finishes 5 A4.01



Stair A - Isometric View 4 A4.01



Stair A - Plan - Level 2 3 A2.11 A4.01 1 : 50



Stair A - Plan- Level 1 1 A2.10 A4.01 1 : 50

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

STAIR A

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:09:56 PM
drawing number:	A4.01

Keynote Legend

Item	Description
24	BEAM (REFER TO STRUCTURAL)
86	TACTILE WARNING STRIP. TYP.
110	ELECTRICAL HEATER. (REFER TO ELECTRICAL).
399	INTERIOR FACE OF CONCRETE WALL TO MEET "ARCHITECTURAL CONCRETE FINISH CSC4" STANDARDS USING ARCHITECTURAL CONCRETE FORMS. (REFER TO STRUCTURAL DWGS/SPECS).
457	(2) LAYERS 1/2" TYPE C FIRE RATED GYPSUM WALLBOARD c/w CORNER BEAD.
458	41mm (1-5/8") STEEL STUDS.
459	J TRIM AT ALL UNFINISHED GWB EDGING.
609	INTUMESCENT FIRESTOP SEALANT. (REFER TO SPECIFICATIONS)
747	STEEL HANDRAIL c/w WALL SUPPORT (REFER TO STAIR DETAILS).
748	STEEL GUARD AND HANDRAIL c/w STEEL POSTS AND PICKETS (REFER TO STAIR DETAILS).
749	RETURN HANDRAIL TO WALL. TYPICAL.
825	FIRE RATED COMPRESSIBLE FILLER. (COORDINATE WITH STRUCTURAL AND SPECIFICATIONS).

STAIR FINISH LEGEND

	RUBBER TREADS & RISERS	SAFT-1	JOHNSONITE ANGLE FIT RUBBER STAIR TREAD WITH INTEGRATED RISER - VIBMNTR, BY TARKETT PROFILE: BAMBOO COLOUR: 21 PLATINUM VISUALLY IMPARED STRIP: BLACK
	RUBBER LANDINGS	SAFT-2	609.6mm x 609.6mm SOLID COLOUR RUBBER TILES BY TARKETT - BMRT PROFILE: BAMBOO COLOUR: TO MATCH TREADS & RISERS
	HANDRAILS & GUARDRAILS C/W MOUNTING HARDWARE	SS	STAINLESS STEEL FINISH

STAIR ACCESSORIES

	TACTILE WALKING SURFACE INDICATOR	TWSI-1	609.6MM X 609.6mm TACTILE WARNING SURFACE - RUBBER, BY TARKETT PRODUCT CODE: '40' COLOUR: 40 BLACK

NOTES:
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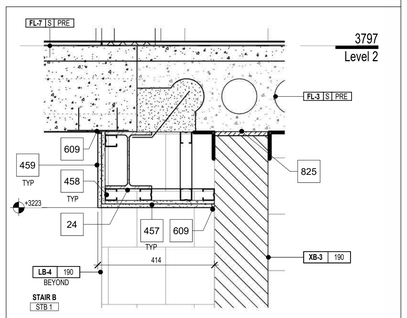
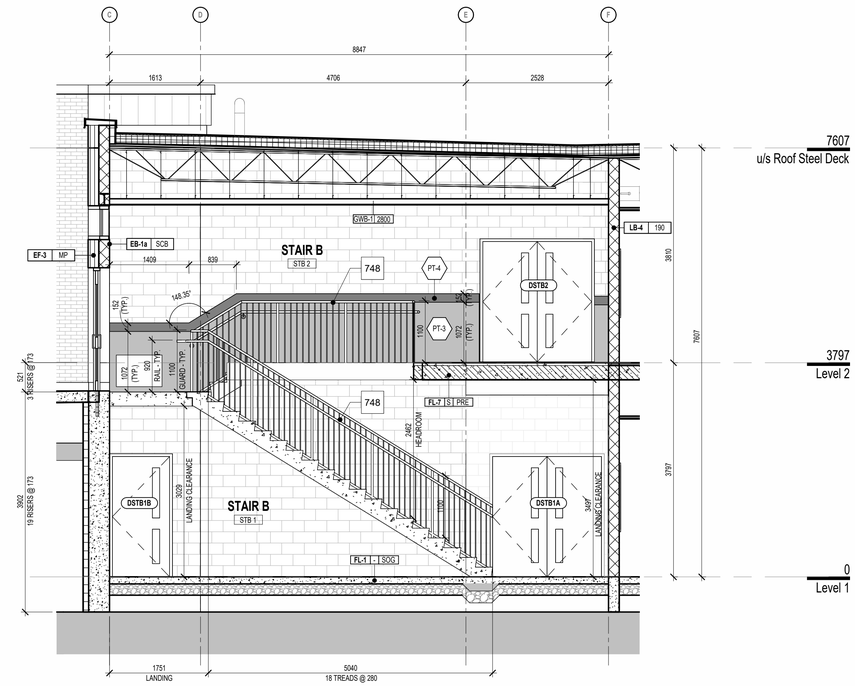
REFER TO FINISH PLANS FOR WALL FINISHES

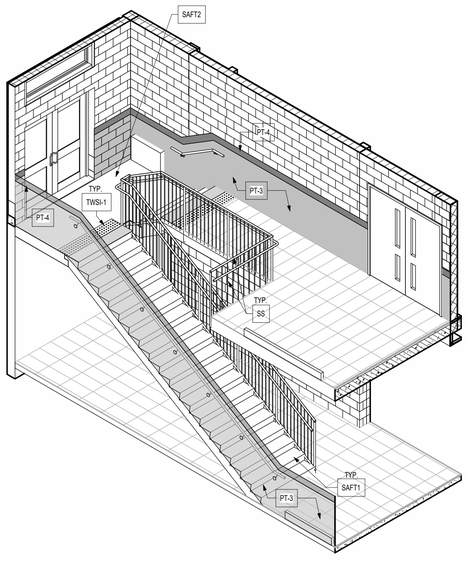


1HR Fire-Rated Beam UL263 / X528

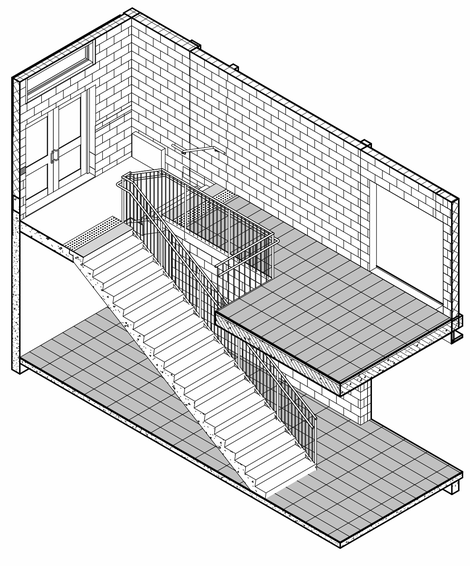
Fire-Rated Beam - Section Detail 6 A4.02 A4.02 1 : 10



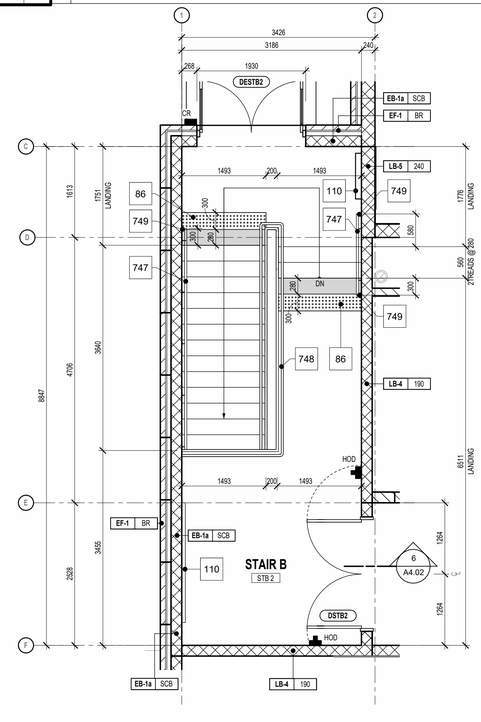
Stair B - Section 2 A4.02 A4.02 1 : 50



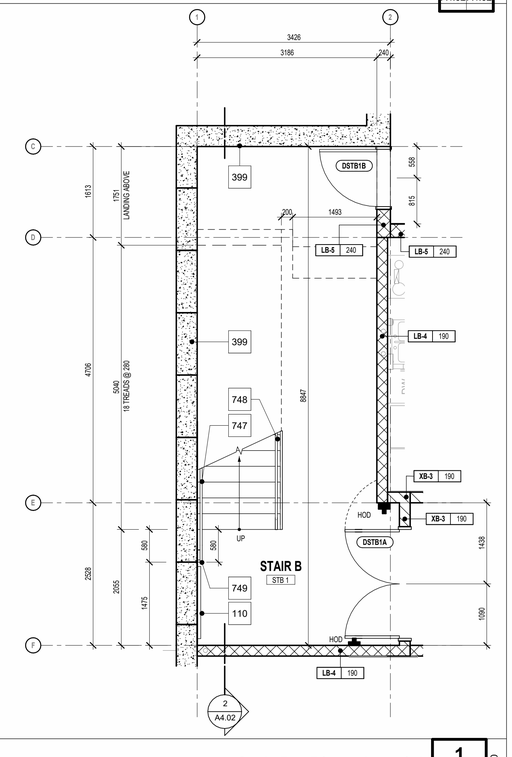
Stair B - Isometric View - Material Finishes 5 A4.02



Stair B - Isometric View 4 A4.02



Stair B - Plan - Level 2 3 A2.11 A4.02 1 : 50



Stair B - Plan - Level 1 1 A2.10 A4.02 1 : 50

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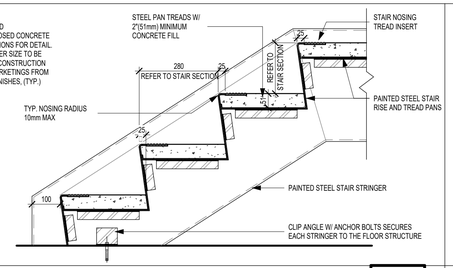
St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

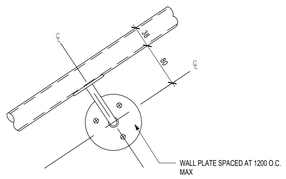
STAIR B

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:10:02 PM
drawing number:	A4.02

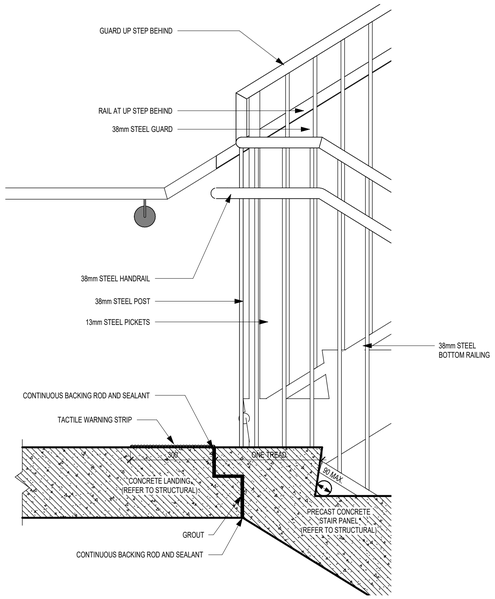
NOTE:
- ALL EXPOSED STEEL TO BE PRIMED AND PAINTED
- APPLY NON-SLIP PENETRATING SEALER TO EXPOSED CONCRETE FLOOR. REFER TO FINISH PLAN AND SPECIFICATIONS FOR DETAIL.
- PAINTED STEEL STAIR STRINGER, STAIR STRINGER SIZE TO BE VERIFIED BY MISC. METAL ENGINEER PRIOR TO CONSTRUCTION
- REMOVE ALL EMBOSSED STEEL STAMPING & MARKETINGS FROM EXPOSED STEEL. MAKE SMOOTH TO RECEIVE FINISHES. (TYP.)



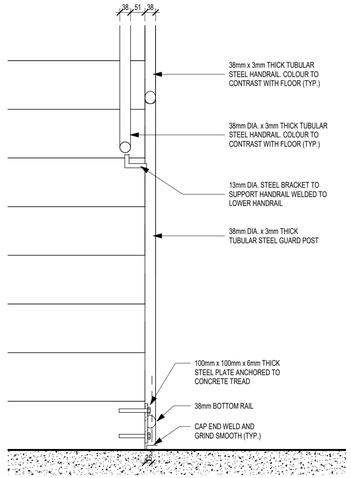
Typical Steel Stair Rise and Tread **14** A4.03 1 : 10



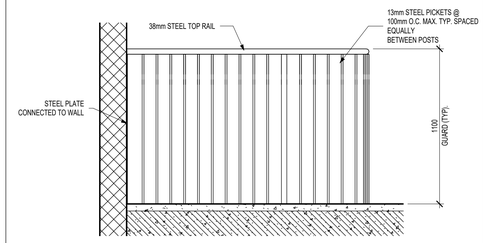
Elev. Handrail - Intermediate Location of Stair **5** A4.03 1 : 5



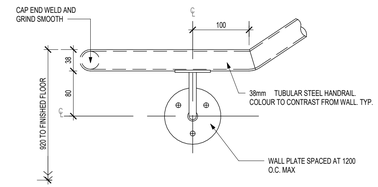
Precast Stair Down From Landing - Typical **13** A4.03 1 : 10



Guard Detail - Precast Stair - Typical **11** A4.03 1 : 10

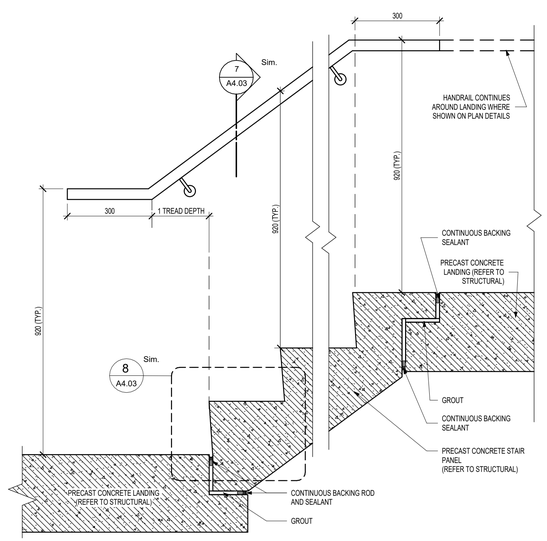


Typical Detail - Guard @ Floor Level 2 **9** A4.03 1 : 20

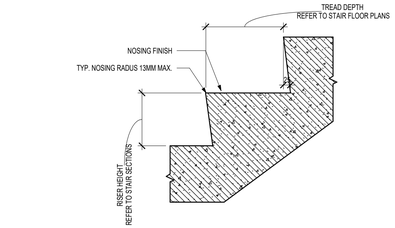


Section Handrail at Bottom of Stair Flight **4** A4.03 1 : 5

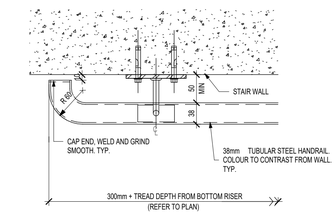
Precast Stair Up From Landing - Typical **12** A4.03 1 : 10



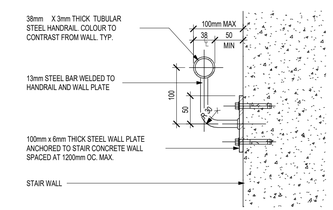
Typical Detail - Wall-Mounted Handrail **10** A4.03 1 : 10



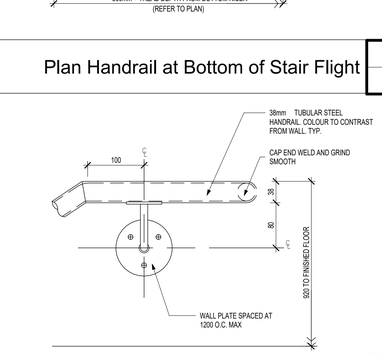
Typical Detail - Stair Nosing **8** A4.03 A4.03 1 : 10



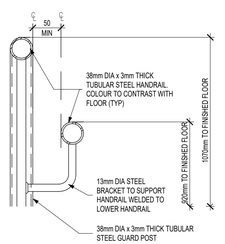
Plan Handrail at Bottom of Stair Flight **3** A4.03 1 : 5

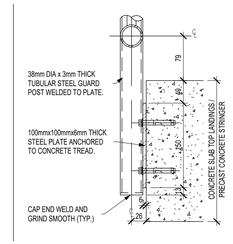


Section Handrail at Concrete Wall **7** A4.03 A4.03 1 : 5

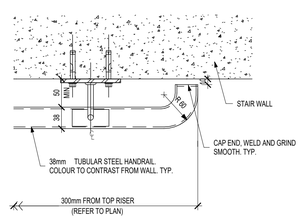


Section Handrail at Top of Stair Flight **2** A4.03 1 : 5





Handrail and Stringer Post Section Detail **6** A4.03 1 : 5



Plan Handrail at Top of Stair Flight **1** A4.03 1 : 5

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

STAIR DETAILS

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:10:07 PM

drawing number:

A4.03

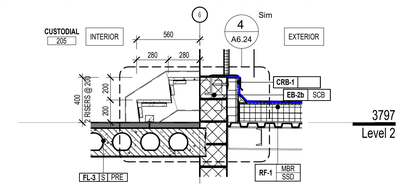
Keynote Legend

Item	Description
68	STEEL BEAM + PLATE (REFER TO STRUCTURAL DRAWINGS).
71	STEEL ANGLE ANCHORED TO BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
73	STEEL ANGLE (REFER TO STRUCTURAL DRAWINGS).
76	STEEL PLATE (REFER TO STRUCTURAL DRAWINGS).
77	BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
232	INSULATED ROOF MOUNTED ACCESS HATCH.
234	MODULAR ALUMINUM FIXED ROOF ACCESS LADDER WITH D-GRABS AND MOUNTING BRACKETS AND ANCHORS. MODEL 7001 SERIES D-GRAB AS MANUFACTURED BY SKYLINE GROUP OR APPROVED ALTERNATE. THE HEIGHT OF THE LADDER TO BE CONFIRMED ON SITE. GC TO PROVIDE STAMPED SHOP DRAWINGS FOR REVIEW BY CONSULTANTS. LADDER MOUNTING ANCHORS TO SUIT WALL AND/OR ROOF ASSEMBLY. KEEP LADDER MIN 200mm OFF THE FACE OF THE WALL.
263	NEW PIT DRAIN. PROVIDE POSITIVE SLOPE TO DRAIN, TYP.
264	C.I.P. FOUNDATION WALL (REFER TO STRUCTURAL).
265	ELEVATOR PIT SLAB ON GRADE (REFER TO STRUCTURAL).
750	ELEVATOR HOISTBEAM (REFER TO STRUCTURAL).
751	FILL GAP W/25mm MIN. FIRESTOP MATERIAL.
800	WATERPROOFING MEMBRANE - WPM-7 (CRYSTALLINE WATERPROOFING)

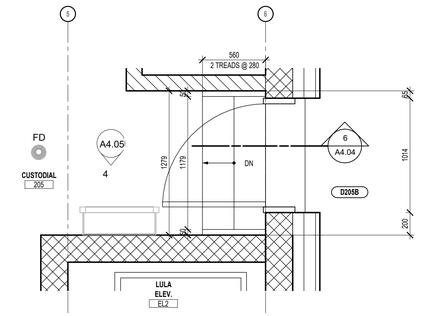
ELEVATOR FINISH LEGEND

SYMBOL	PATTERN	FINISH	DESCRIPTION
EF-SS			STAINLESS STEL #4 FINISH • STEEL WALL PANELS • METAL FIXTURES
EF-PLAM			PLASTIC LAMINATE 'RECLAIMED WOOD' • OVERLAY PANELS ON STEEL WALL
CT-2			TO MATCH ADJACENT CORRIDOR FLOOR TILE • ELEVATOR FLOOR FINISH

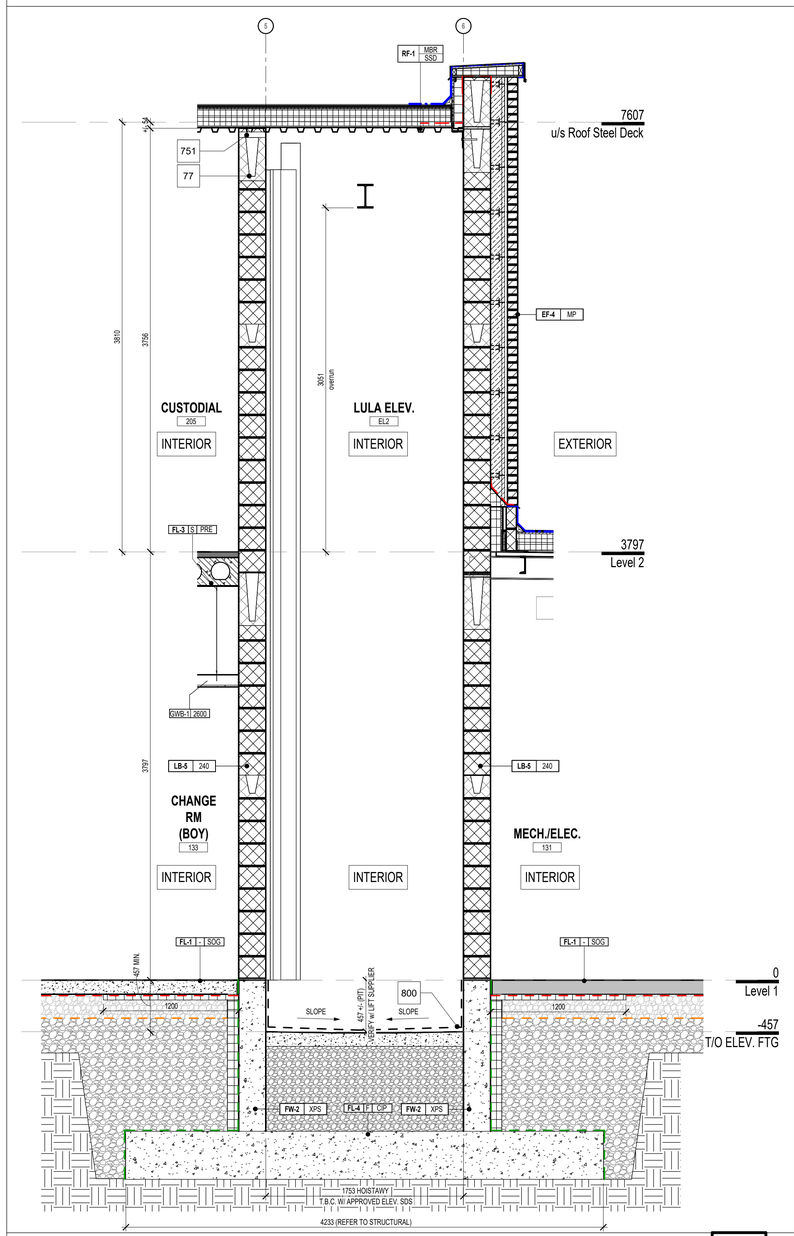
NOTE: BASED ON O.B.C. 3.3.1.14, STAIRWAYS THAT SERVE SERVICE ROOMS DO NOT NEED TO COMPLY WITH THE MINIMUM NUMBER OF RISERS, MAXIMUM VERTICAL RISE OF STAIR FLIGHTS AND REQUIRED LANDINGS, AND HANDRAILS



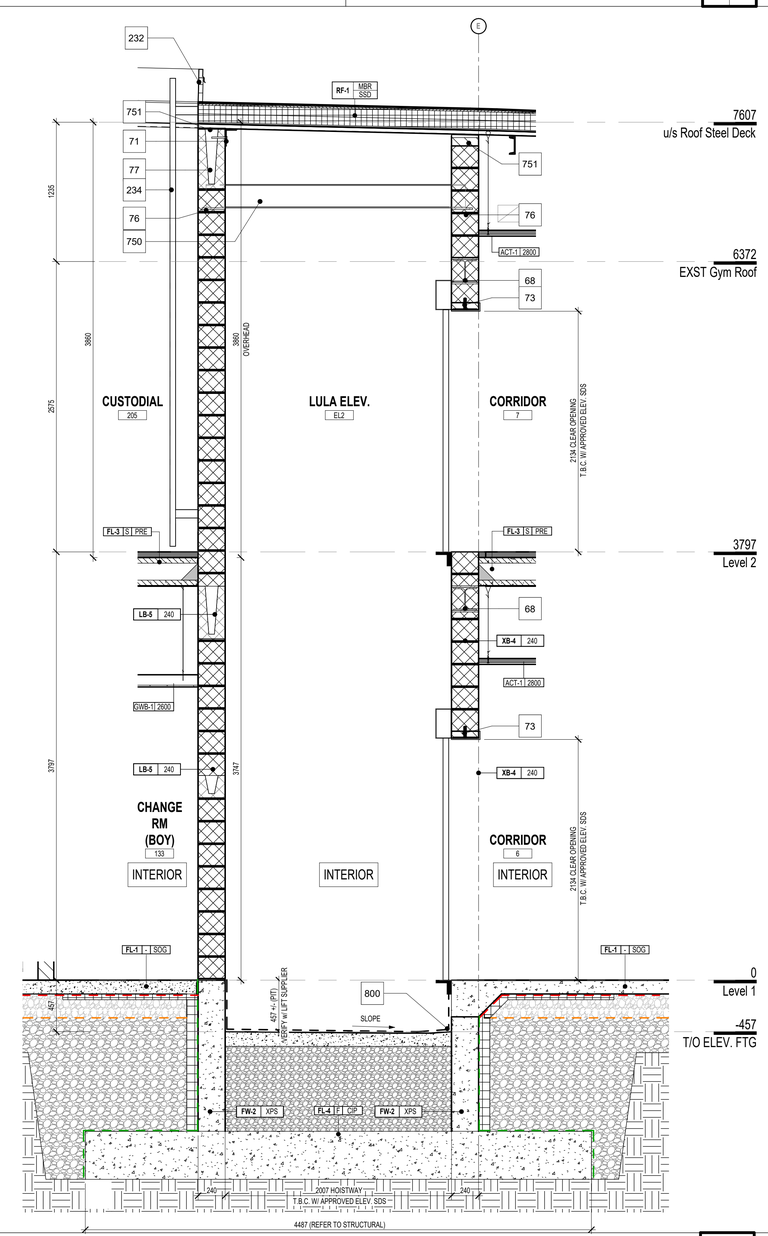
Section- Steel Pan Roof Service Stairs 6 A4.04 A4.04 1 : 25



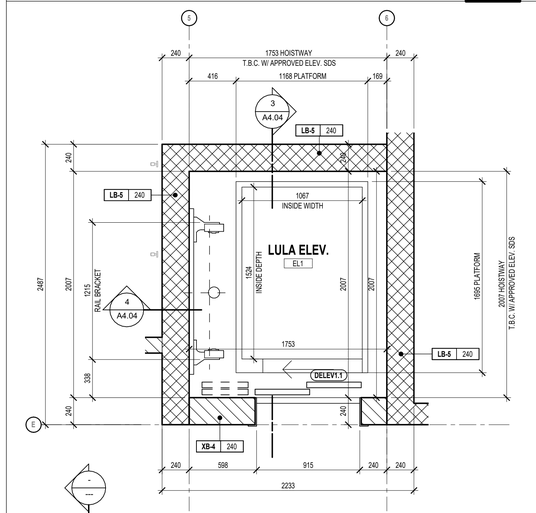
Plan - Steel Pan Roof Service Stairs - Level 2 5 A2.11 A4.04 1 : 25



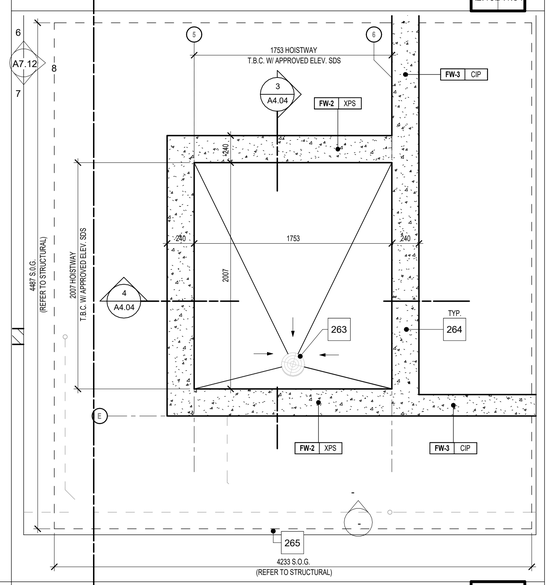
Longitudinal Section - Elevator 4 A4.04 A4.04 1 : 25



Cross Section - Elevator 3 A4.04 A4.04 1 : 25



Plan - Elevator - Level 1 & 2 2 A2.10b A4.04 1 : 25



Plan - Elevator - Foundation 1 A4.04 A4.04 1 : 25

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

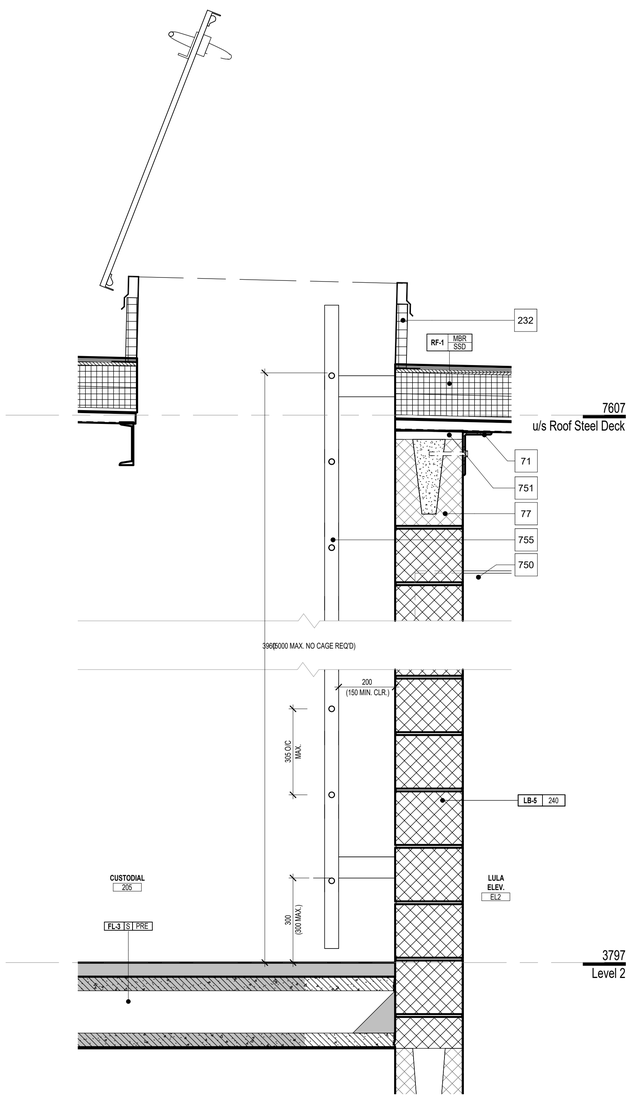
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

TYPICAL ELEVATOR DETAILS & STEEL PAN ROOF SERVICE STAIRS

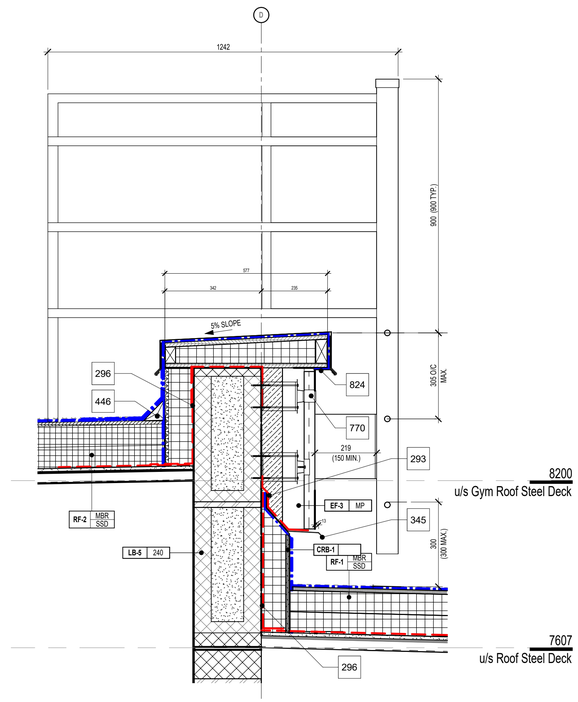
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:10:14 PM
drawing number:	A4.04

Keynote Legend

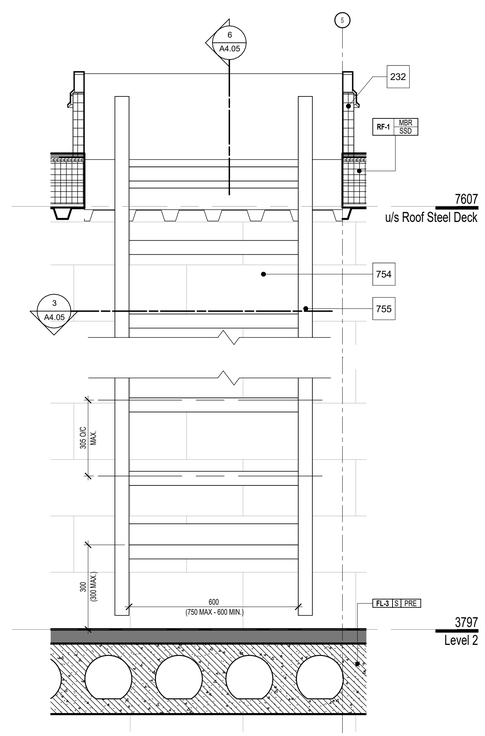
Item	Description
71	STEEL ANGLE ANCHORED TO BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
77	BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
232	INSULATED ROOF MOUNTED ACCESS HATCH.
291	PREFINISHED ALUMINUM CAP FLASHING (PTD).
293	OVERLAP A/VB OVER PREFINISHED ALUMINUM THRU-WALL FLASHING 150 MIN.
296	AIR VAPOUR BARRIER (AVB-1).
345	PREFINISHED CONTINUOUS METAL FLASHING. MIN. 1% SLOPE FROM BUILDING FACE. COLOUR BY ARCHITECT (OR AS APPROVED BY OWNER).
446	CONT. CANT STRIP, TYP.
750	ELEVATOR HOISTBEAM (REFER TO STRUCTURAL).
751	FILL GAP W/25mm MIN. FIRESTOP MATERIAL.
753	10 x 65 SIDE RAILS (SEE SPECIFICATION FOR DETAILS).
754	20mm MIN. RUNG DIA.
755	STEEL FIXED ACCESS LADDER (PTD).
770	FOAM + SEALANT CLOSURE BY CLADDING MANUFACTURER.
824	RETURN FLASHING PAST EXTERIOR FINISH MATERIAL TO COVER PARAPET MEMBRANE (TYPICAL AT ALL LOCATIONS).



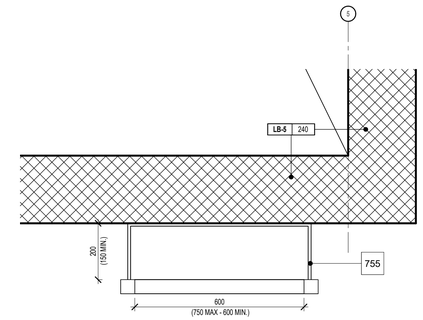
Sect. Thru Fixed Roof Hatch Access Ladder at Custodial 6 A4.05 A4.05 1 : 10



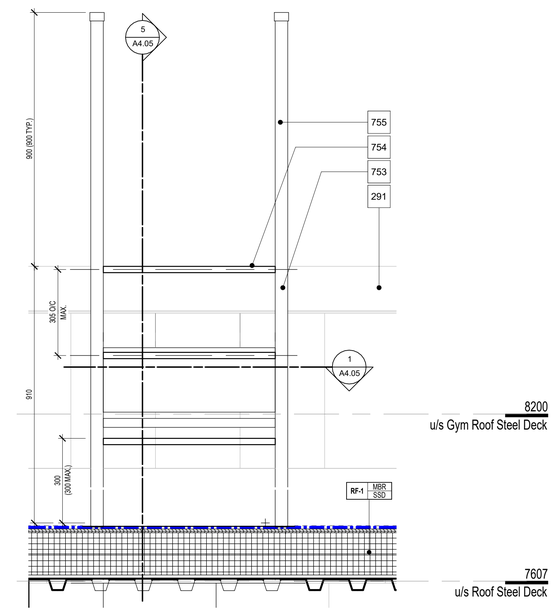
Sect. Thru Fixed Roof Ladder to High Roof 5 A4.05 A4.05 1 : 10



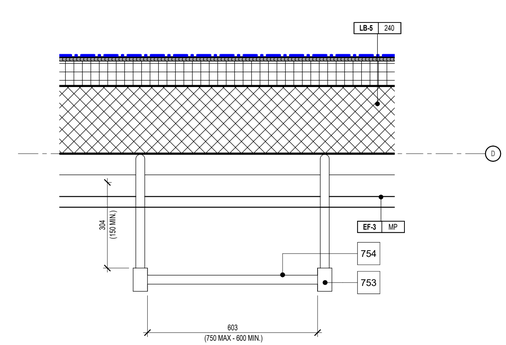
Elevation - Fixed Roof Hatch Access Ladder at Custodial 4 A4.04 A4.05 1 : 10



Plan Detail - Fixed Roof Hatch Access Ladder at Custodial 3 A4.05 A4.05 1 : 10



Elevation - Fixed Roof Ladder to High Roof 2 A2.12 A4.05 1 : 10



Plan Detail - Fixed Roof Ladder at High Roof 1 A4.05 A4.05 1 : 10

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

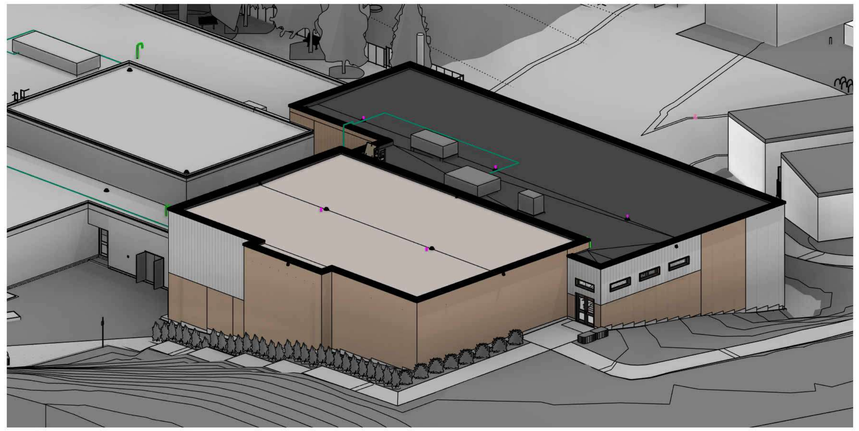
FIXED LADDERS

PN TN

scale:	1 : 10
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:10:20 PM

drawing number:

A4.05



Northwest - Isometric View **4** A5.00

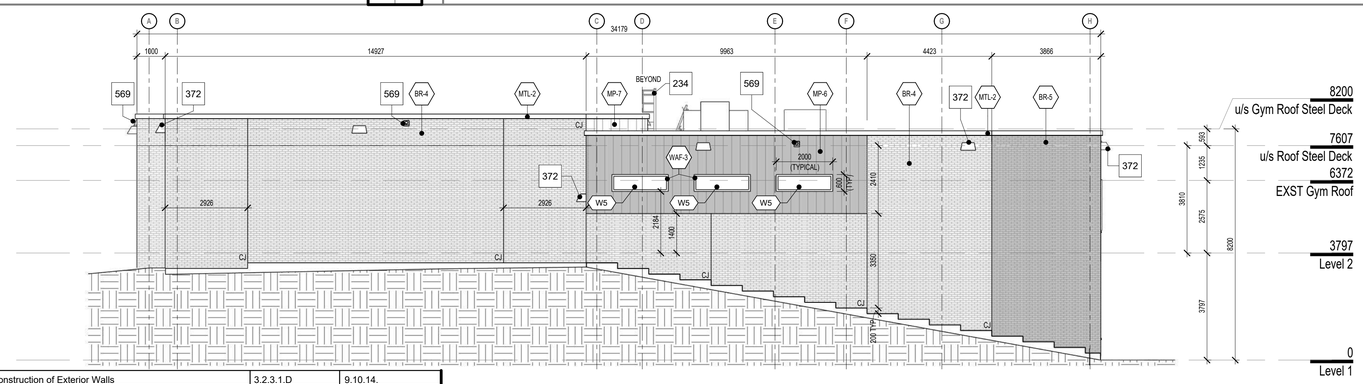
Southeast - Isometric View **3** A5.00

Keynote Legend

Item	Description
2	REFER TO MECHANICAL
234	MODULAR ALUMINUM FIXED ROOF ACCESS LADDER WITH D-GRABS AND MOUNTING BRACKETS AND ANCHORS. MODEL 7001 SERIES D-GRAB AS MANUFACTURED BY SKYLINE GROUP OR APPROVED ALTERNATE. THE HEIGHT OF THE LADDER TO BE CONFIRMED ON SITE. GC TO PROVIDE STAMPED SHOP DRAWINGS FOR REVIEW BY CONSULTANTS. LADDER MOUNTING ANCHORS TO SUIT WALL AND/OR ROOF ASSEMBLY. KEEP LADDER MIN 200mm OFF THE FACE OF THE WALL.
372	EXTERIOR LIGHT FIXTURE. (REFER TO ELECTRICAL DRAWINGS)
569	100H x 450H PREFINISHED METAL BOX SCUPPER W/ 40 FLANGE FRAME MOP 1 PLY EPDM OVER SCUPPER AND MOP 2 PLYS OVER BOTTOM FLANGE

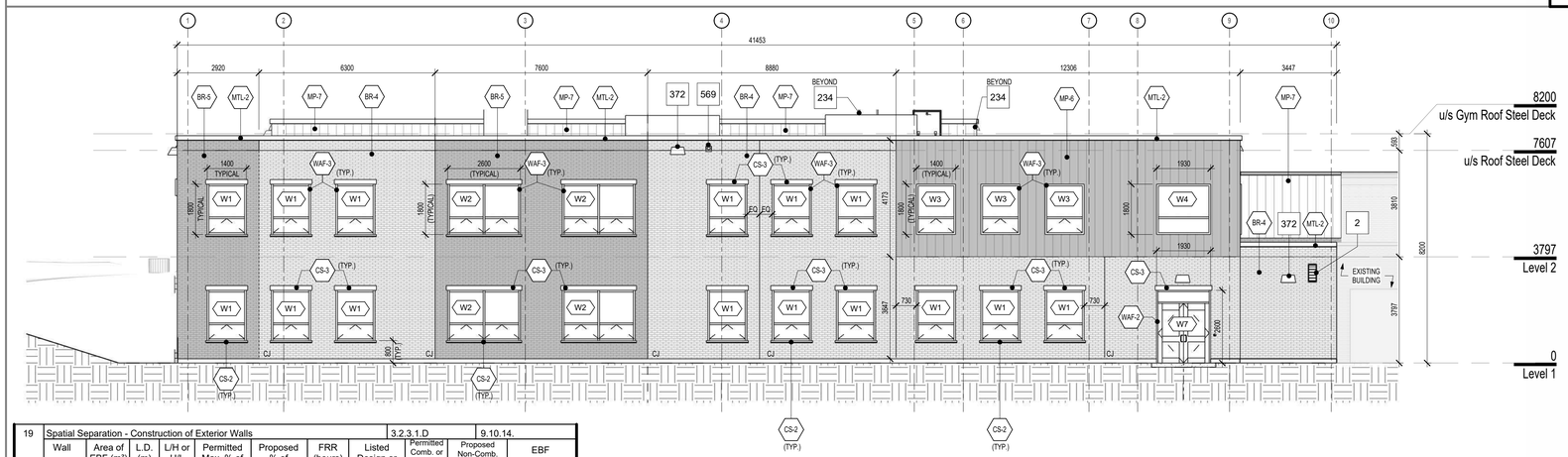
EXTERIOR MATERIAL LEGEND

CS-2		PRECAST SILL MANUFACTURER: BRAMPTON BRICK (OR APPROVED ALTERNATE) COLOUR: 32-SILLS, ONYX, SPLIT-FACE
CS-3		ARCHITECTURAL CONCRETE MASONRY HEAD MANUFACTURER: BRAMPTON BRICK (OR APPROVED ALTERNATE) COLOUR: TWILIGHT
WAF-2		DOOR ALUMINIUM FRAME MANUFACTURER: ALUMICOR 34000 ALUMINIUM FRAME c/w . THERMAPORTE DOOR (OR APPROVED ALTERNATE) COLORS - SAGE BROWN (BP)
WAF-3		WINDOW ALUMINIUM FRAME MANUFACTURER: ALUMICOR 2600 ALUMINIUM FRAME c/w 1350 SERIES UNIVENT (OR APPROVED ALTERNATE) COLORS - SAGE BROWN (BP)
BR-4		BRICK - (FIELD) MANUFACTURER: BRAMPTON BRICK (OR APPROVED ALTERNATE) COLOUR: LEGACY SERIES - VERDIAN
BR-5		BRICK - (FEATURE) MANUFACTURER: BRAMPTON BRICK (OR APPROVED ALTERNATE) COLOUR: LEGACY SERIES - CRYSTAL GREY
MP-6		METAL PANEL MANUFACTURER: - MORIN ALUMINUM (OR APPROVED ALTERNATE) MATRIX SERIES - MATRIX MX-8, CONCEALED FASTENER COLOUR: CHAMPAGNE PEARL SR:0.51 E:0.86 SRI:58
MP-7		METAL PANEL MANUFACTURER: - MORIN ALUMINUM (OR APPROVED ALTERNATE) MATRIX SERIES - MATRIX MX-8, CONCEALED FASTENER COLOUR: LIGHT BRONZE ANODIZED ALUMINUM
MTL-2		PREFINISHED METAL FLASHING MANUFACTURER: AGWAY METALS INC. (OR APPROVED ALTERNATE) COLOUR: SLATE GREY 28013



19	Spatial Separation - Construction of Exterior Walls							3.2.3.1.D		9.10.14.	
	Wall	Area of EBF (m²)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (hours)	Listed Design or Description	Permitted Comb. or Non-Comb. Const.	Proposed Non-Comb.	EBF FRR
	West	157.5	97.96	9.82	100	2.2	-	-	Yes	Yes	N/A OBC: 3.2.3.7 (3)

Exterior Building Elevation West **2** A2.10 A5.00 1 : 100



19	Spatial Separation - Construction of Exterior Walls							3.2.3.1.D		9.10.14.	
	Wall	Area of EBF (m²)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (hours)	Listed Design or Description	Permitted Comb. or Non-Comb. Const.	Proposed Non-Comb.	EBF FRR
	South	300.65	4.80	5.44	35	23	3/4	-	Yes	Yes	N/A OBC: 3.2.3.7 (3)

Exterior Building Elevation South **1** A2.10 A5.00 1 : 100

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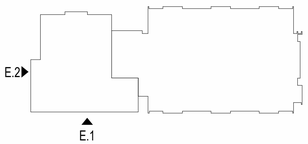

#	date:	revision:
9	2026.04.24	Issued For Tender
8	2026.04.23	Permit Revisions
7	2026.01.29	Permit/SPA Revisions
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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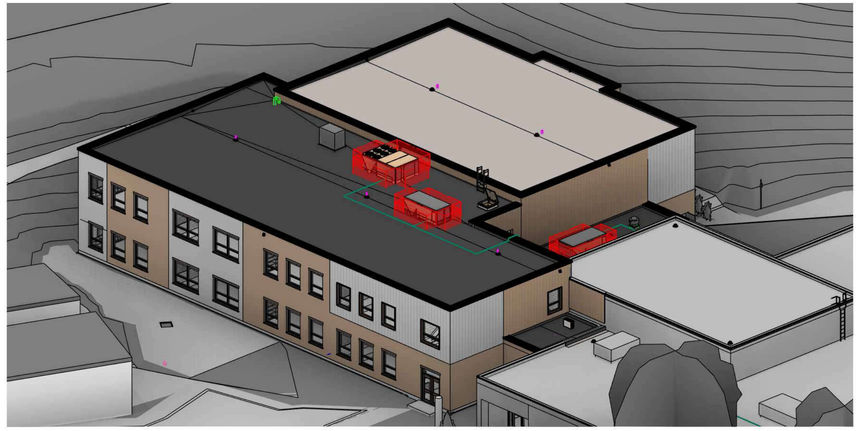
St. Mark CES Addition

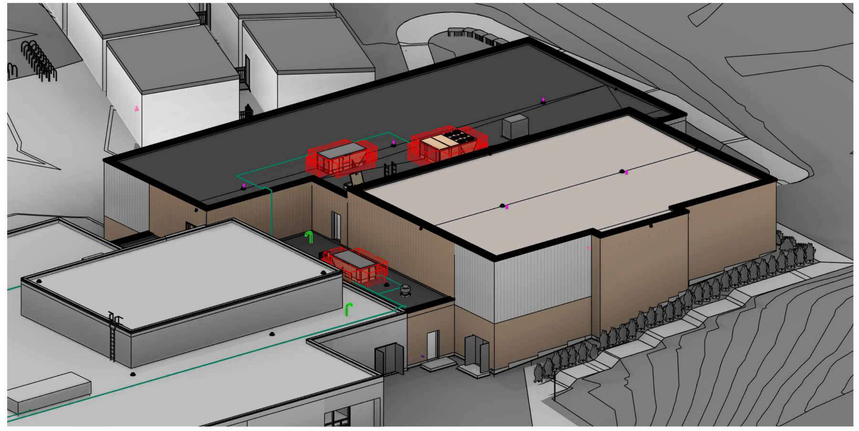
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR ELEVATIONS

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:11:02 PM
drawing number:	**A5.00**



Southeast - Isometric View **4** A5.01



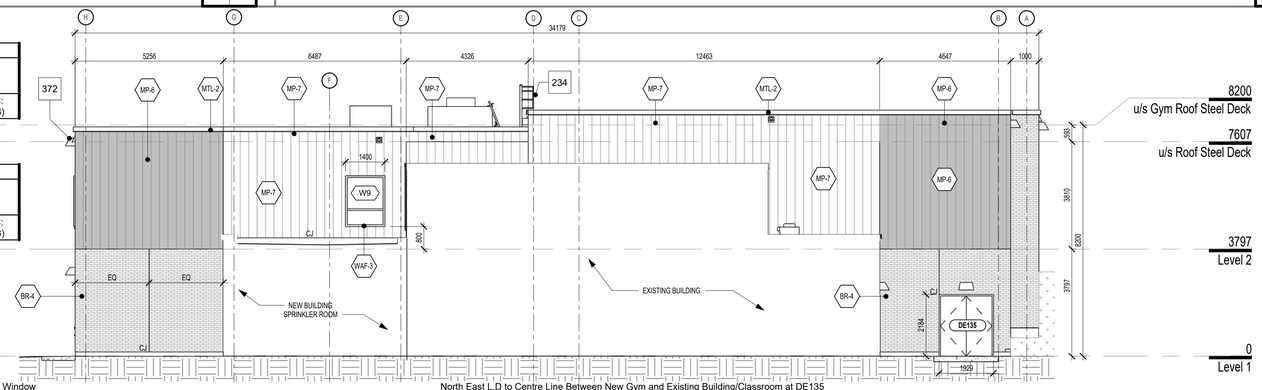
Northwest - Isometric View **3** A5.01

South East L.D to Centre Line Between New Stair and Existing Building/Classroom (No UPO)

19	Spatial Separation - Construction of Exterior Walls							3.2.3.1.D		9.10.14.	
	Wall	Area of EBF (m²)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (hours)	Listed Design or Description	Permitted Comb. or Non-Comb. Const.	Proposed Non-Comb.	EBF FRR
	East	39.9	1.74	1.43	15	0	1	-	Yes	Yes	N/A OBC: 3.2.3.7 (3)

East L.D to Centre Line Between New Gym and Existing Building/Learning Commons (No UPO)

19	Spatial Separation - Construction of Exterior Walls							3.2.3.1.D		9.10.14.	
	Wall	Area of EBF (m²)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (hours)	Listed Design or Description	Permitted Comb. or Non-Comb. Const.	Proposed Non-Comb.	EBF FRR
	East	65	3.5	4	32	0	3/4	-	Yes	Yes	N/A OBC: 3.2.3.7 (3)



L.D to Centre Line of Road at W1 Window

19	Spatial Separation - Construction of Exterior Walls							3.2.3.1.D		9.10.14.	
	Wall	Area of EBF (m²)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (hours)	Listed Design or Description	Permitted Comb. or Non-Comb. Const.	Proposed Non-Comb.	EBF FRR
	East	25.4	72.42	3.15	100	23	-	-	Yes	Yes	N/A OBC: 3.2.3.7 (3)

North East L.D to Centre Line Between New Gym and Existing Building/Classroom at DE135

19	Spatial Separation - Construction of Exterior Walls							3.2.3.1.D		9.10.14.	
	Wall	Area of EBF (m²)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (hours)	Listed Design or Description	Permitted Comb. or Non-Comb. Const.	Proposed Non-Comb.	EBF FRR
	East	37.9	6.4	1.3	100	4	-	-	Yes	Yes	N/A OBC: 3.2.3.7 (3)

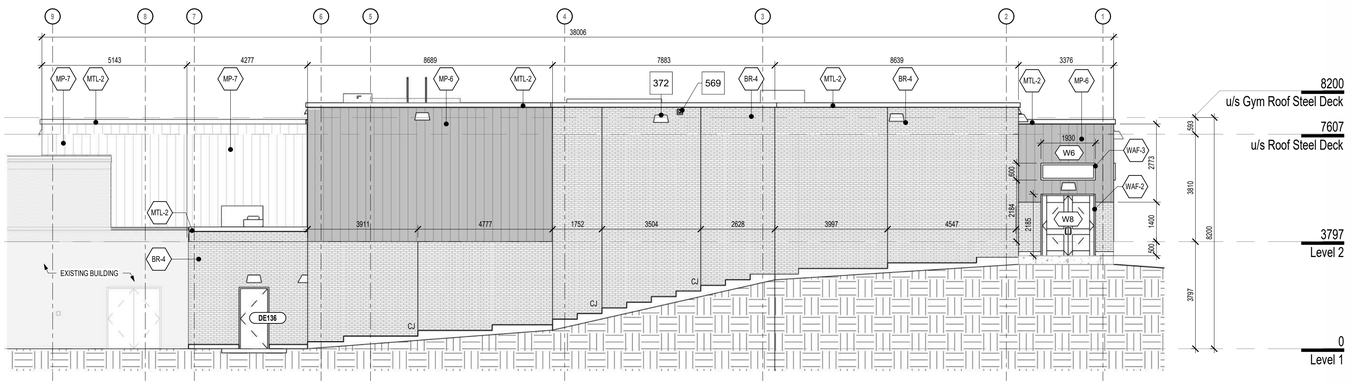
Exterior Building Elevation East **2** A2.10 A5.01 1 : 100

Keynote Legend

Item	Description
234	MODULAR ALUMINUM FIXED ROOF ACCESS LADDER WITH D-GRABS AND MOUNTING BRACKETS AND ANCHORS. MODEL 7001 SERIES D-GRAB AS MANUFACTURED BY SKYLINE GROUP OR APPROVED ALTERNATE. THE HEIGHT OF THE LADDER TO BE CONFIRMED ON SITE. GC TO PROVIDE STAMPED SHOP DRAWINGS FOR REVIEW BY CONSULTANTS. LADDER MOUNTING ANCHORS TO SUIT WALL AND/OR ROOF ASSEMBLY. KEEP LADDER MIN 200mm OFF THE FACE OF THE WALL.
372	EXTERIOR LIGHT FIXTURE. (REFER TO ELECTRICAL DRAWINGS)
569	100H x 450H PREFINISHED METAL BOX SCUPPER W/ 40 FLANGE FRAME MOP 1 PLY EPDM OVER SCUPPER AND MOP 2 PLYS OVER BOTTOM FLANGE

EXTERIOR MATERIAL LEGEND

CS-2		PRECAST SILL MANUFACTURER: BRAMPTON BRICK (OR APPROVED ALTERNATE) COLOUR: 32-SILLS, ONYX, SPLIT-FACE
CS-3		ARCHITECTURAL CONCRETE MASONRY HEAD MANUFACTURER: BRAMPTON BRICK (OR APPROVED ALTERNATE) COLOUR: TWILIGHT
WAF-2		DOOR ALUMINUM FRAME MANUFACTURER: ALUMICOR 34000 ALUMINUM FRAME c/w THERMAPORTE DOOR (OR APPROVED ALTERNATE) COLORS - SAGE BROWN (BP)
WAF-3		WINDOW ALUMINUM FRAME MANUFACTURER: ALUMICOR 2800 ALUMINUM FRAME c/w 1350 SERIES UNIVENT (OR APPROVED ALTERNATE) COLORS - SAGE BROWN (BP)
BR-4		BRICK - (FIELD) MANUFACTURER: BRAMPTON BRICK (OR APPROVED ALTERNATE) COLOUR: LEGACY SERIES - VERDIAN
BR-5		BRICK - (FEATURE) MANUFACTURER: BRAMPTON BRICK (OR APPROVED ALTERNATE) COLOUR: LEGACY SERIES - CRYSTAL GREY
MP-6		METAL PANEL MANUFACTURER: - MORIN ALUMINUM (OR APPROVED ALTERNATE) MATRIX SERIES - MATRIX MX-8, CONCEALED FASTENER COLOUR: CHAMPAGNE PEARL SR:0.51 E:0.86 SRI:58
MP-7		METAL PANEL MANUFACTURER: - MORIN ALUMINUM (OR APPROVED ALTERNATE) MATRIX SERIES - MATRIX MX-8, CONCEALED FASTENER COLOUR: LIGHT BRONZE ANODIZED ALUMINUM
MTL-2		PREFINISHED METAL FLASHING MANUFACTURER: AGWAY METALS INC. (OR APPROVED ALTERNATE) COLOUR: SLATE GREY 28013



19	Spatial Separation - Construction of Exterior Walls							3.2.3.1.D		9.10.14.	
	Wall	Area of EBF (m²)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (hours)	Listed Design or Description	Permitted Comb. or Non-Comb. Const.	Proposed Non-Comb.	EBF FRR
	North	207.6	30.18	11.60	100	2.5	-	-	Yes	Yes	N/A OBC: 3.2.3.7 (3)

Exterior Building Elevation North **1** A2.10 A5.01 1 : 100

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#	date:	revision:
9	2026.04.24	Issued For Tender
8	2026.04.23	Permit Revisions
7	2026.01.29	Permit/SPA Revisions
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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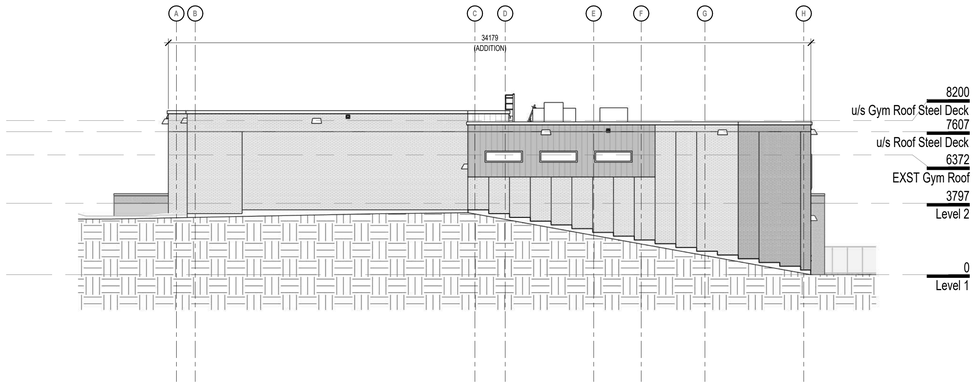
St. Mark CES Addition

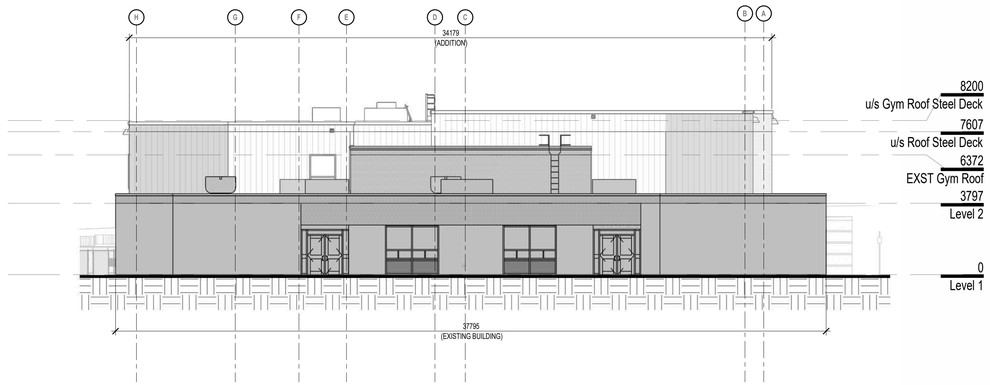
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR ELEVATIONS

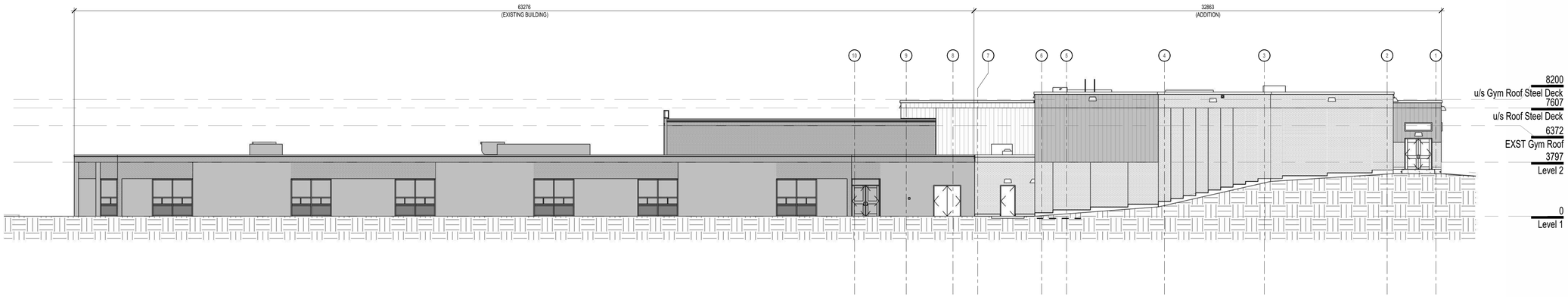
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:11:45 PM
drawing number:	**A5.01**



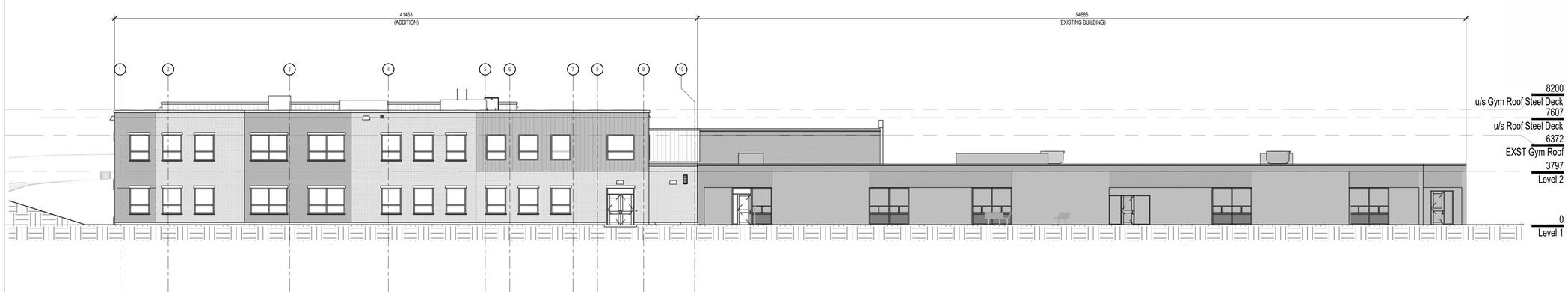
Elevation WEST **4** A5.02 1 : 150



Elevation EAST **3** A5.02 1 : 150



Elevation NORTH **2** A5.02 1 : 150



Elevation SOUTH **1** A5.02 1 : 150

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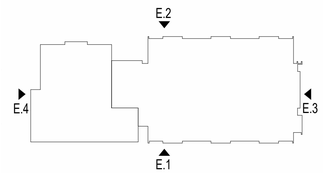

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7	2026.04.24	Issued For Tender
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5	2025.09.08	Issued For Permit
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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR ELEVATIONS (EXISTING AND NEW ADDITION)

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:12:12 PM

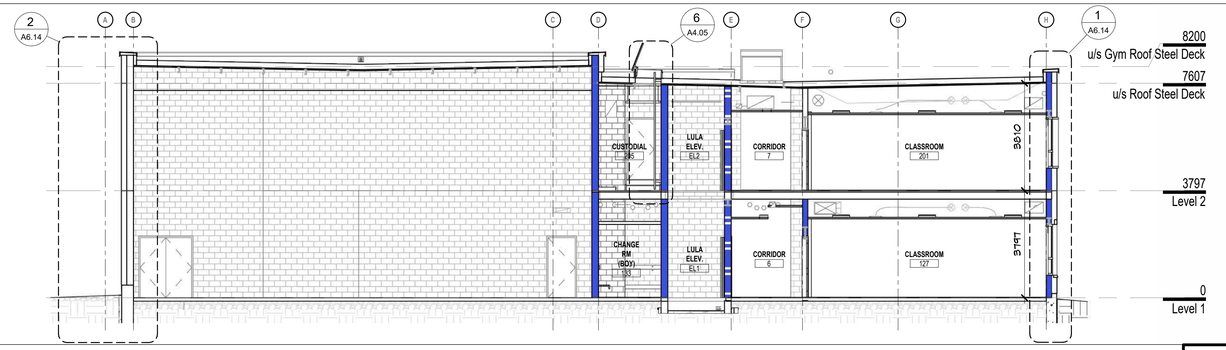
drawing number:

A5.02

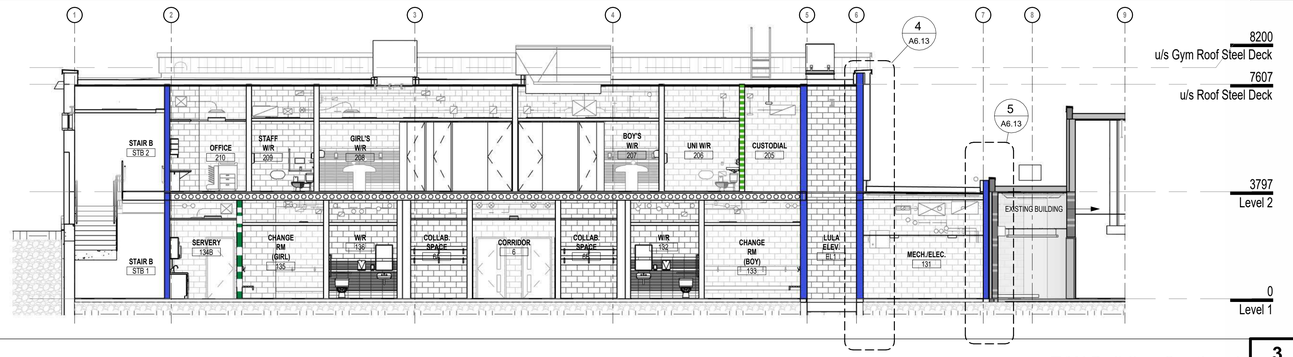
Keynote Legend

Item	Description
706	FLOOR TO FLOOR EXPANSION JOINT COVER.

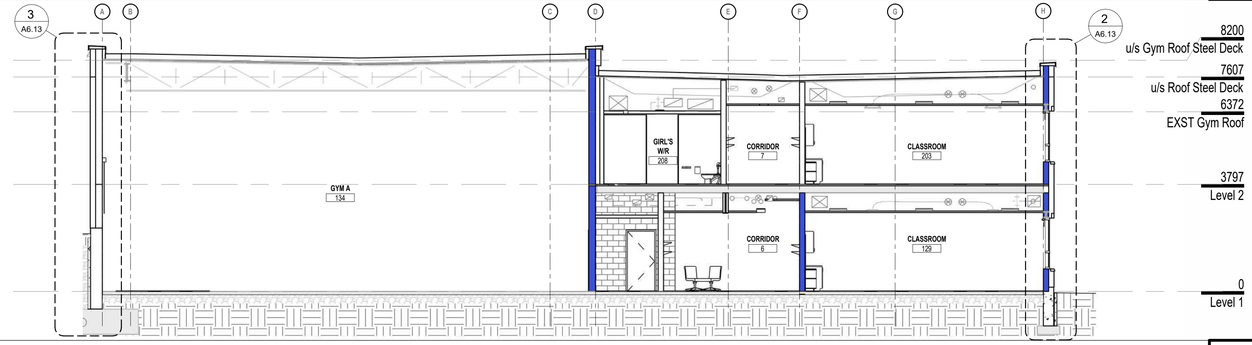
GENERAL NOTE:
BUILDING SECTIONS DO NOT SHOW THE OVERALL FOUNDATIONS AND FILL REQUIRED. GC TO REFER TO STRUCTURAL / CIVIL AND GEOTECH. REPORT FOR FURTHER DETAILS AND REQUIREMENTS (TYPICAL)



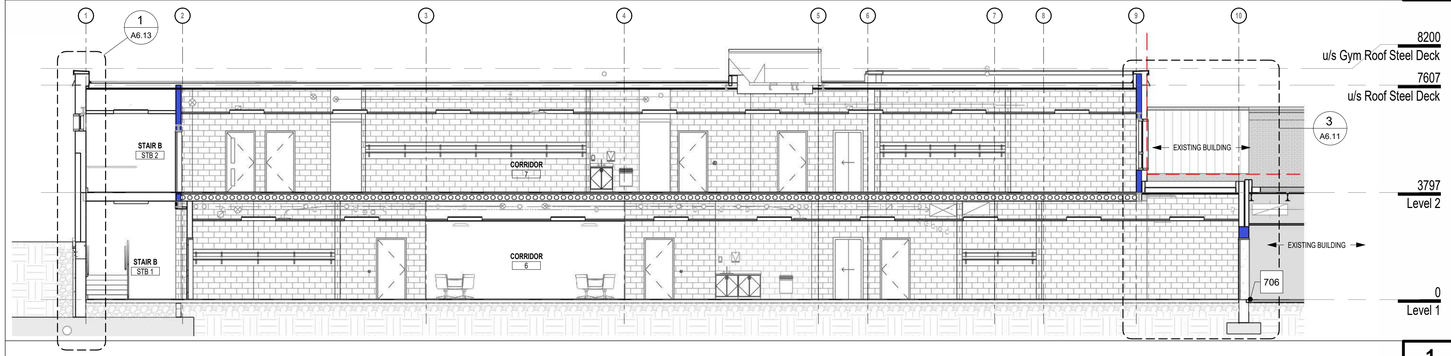
N/S Building Section 1 — 4 (A2.00 | A6.00) — 1 : 100



E/W Building Section 1 — 3 (A2.00 | A6.00) — 1 : 100



N/S Building Section 2 — 2 (A2.00 | A6.00) — 1 : 100



E/W Building Section 2 — 1 (A2.00 | A6.00) — 1 : 100

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FIRE SEPARATIONS LEGEND

- 1/2 HR FIRE RESISTANCE RATING
- 3/4 HR FIRE RESISTANCE RATING
- 1 HR FIRE RESISTANCE RATING
- 1-1/2 HR FIRE RESISTANCE RATING
- 2 HR FIRE RESISTANCE RATING

FIRE PROTECTED STRUCTURE LEGEND

- 1/2 HR FIRE RESISTANCE RATING
- 3/4 HR FIRE RESISTANCE RATING
- 1 HR FIRE RESISTANCE RATING
- 2 HR FIRE RESISTANCE RATING

#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
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2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

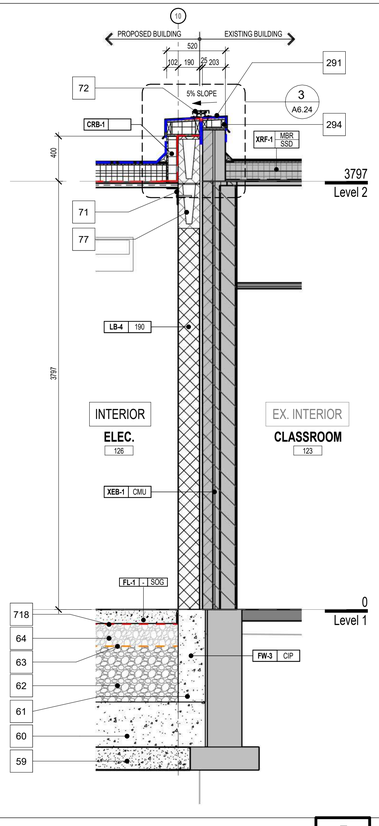
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

BUILDING SECTIONS

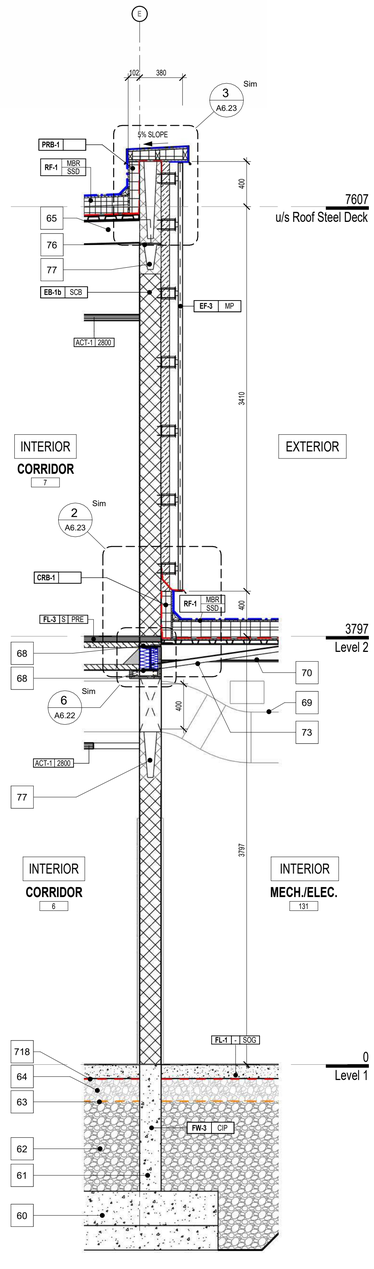
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:12:20 PM
drawing number:	A6.00

Keynote Legend

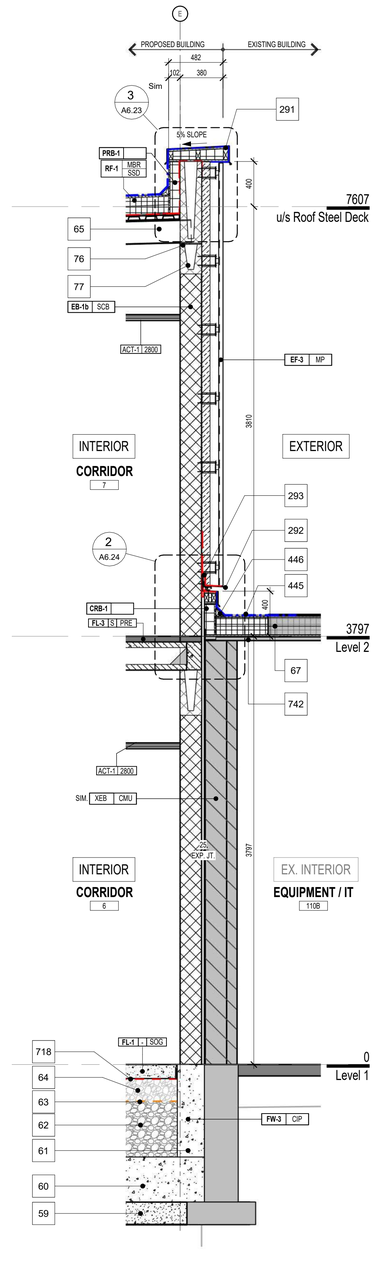
Item	Description
59	LEAN MIX (REFER TO STRUCTURAL DRAWINGS).
60	CONCRETE STRIP FOOTING (REFER TO STRUCTURAL DRAWINGS).
61	CONCRETE FOUNDATION WALL (REFER TO STRUCTURAL DRAWINGS).
62	GRANULAR "B", TYPE I BACKFILL AS PER GEOTECH REPORT.
63	GEOTEXTILE FABRIC.
64	GRANULAR "A" AS PER GEOTECH REPORT.
65	STEEL BEAM (REFER TO STRUCTURAL DRAWINGS).
67	EXISTING ROOF.
68	STEEL BEAM + PLATE (REFER TO STRUCTURAL DRAWINGS).
69	THRU-WALL H/VAC DUCT (SEE MECHANICAL DRAWINGS).
70	STEEL C CHANNEL (REFER TO STRUCTURAL DRAWINGS).
71	STEEL ANGLE ANCHORED TO BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
72	EXPANSION JOINT COVER EEJC-XX (SEE SPECIFICATIONS FOR DETAILS).
73	STEEL ANGLE (REFER TO STRUCTURAL DRAWINGS).
76	STEEL PLATE (REFER TO STRUCTURAL DRAWINGS).
77	BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
291	PREFINISHED ALUMINUM CAP FLASHING (PTD).
292	PREFINISHED ALUMINUM THRU-WALL DRIP FLASHING (PTD).
293	OVERLAP A/VB OVER PREFINISHED ALUMINUM THRU-WALL FLASHING 150 MIN.
294	PROVIDE NEW BUILT-UP PARAPET ON EXISTING PARAPET ASSEMBLY
445	OVERLAP LAYERS OF ROOF MEMBRANES w/ EXISTING MEMBRANES 610 MIN.
446	CONT. CANT STRIP, TYP.
718	UDERSLAB VAPOUR RETARDER.
742	EXISTING STEEL ROOF DECK.
X194	EXISTING CMU BLOCK WALL TO REMAIN. GENERAL CONTRACTOR TO PROTECT CMU WALL FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.
X199	GENERAL CONTRACTOR TO REMOVE PORTION OF EXISTING PARAPET CAP FLASHING FOR INSTALLATION OF NEW METAL CLADDING, BLOCKING ETC AND VAPOUR PERMEABLE MEMBRANE CONNECTION WORK. GC TO MAKE GOOD AND WEATHER TIGHT ALL EXISTING SURFACES.
X202	GENERAL CONTRACTOR TO COORDINATE PORTIONS OF EXISTING CMU BLOCK DEMOLITION/MODIFICATION FOR INSTALLATION OF 'U' DOWEL WITH STRUCTURAL DRAWINGS. (REFER TO STRUCTURAL).



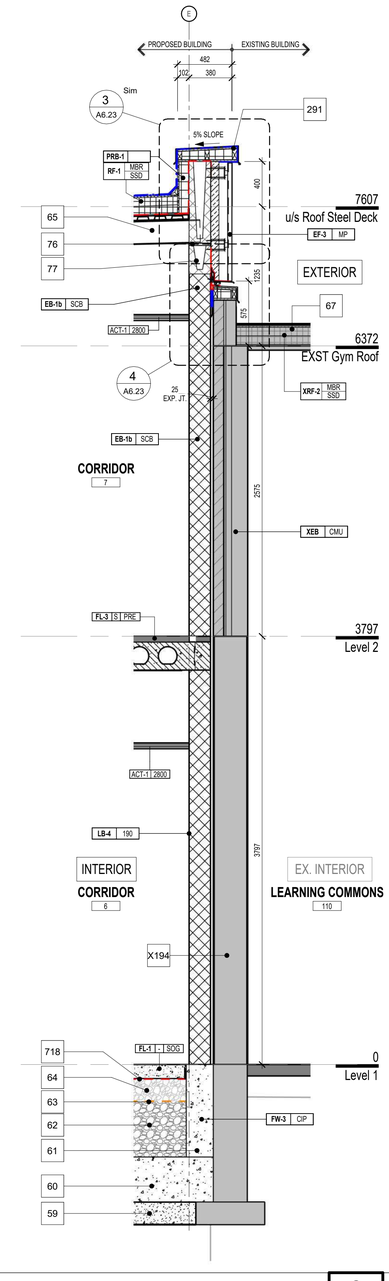
Thru Low Roof @ Existing Low Roof 5 A2.00/A6.10 1 : 25



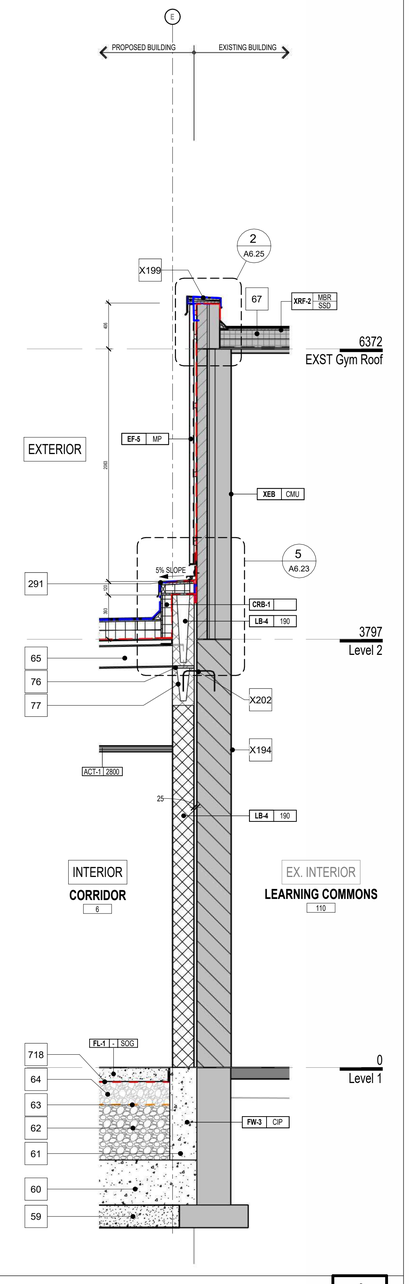
Thru Metal Panel @ Curb 4 A2.00/A6.10 1 : 25



Thru Panel @ Expansion Joint Curb 3 A2.00/A6.10 1 : 25



Thru Main Roof @ Expansion Joint Curb 2 A2.00/A6.10 1 : 25



Thru Low Roof @ Existing High Roof 1 A2.00/A6.10 1 : 25

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR WALL SECTIONS

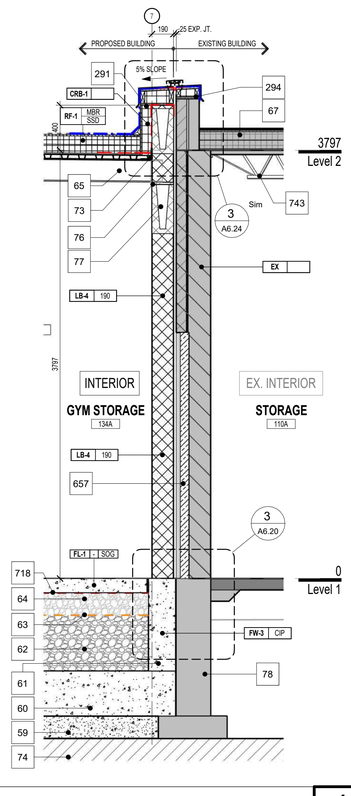
scale:	1 : 25
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:12:29 PM

drawing number:

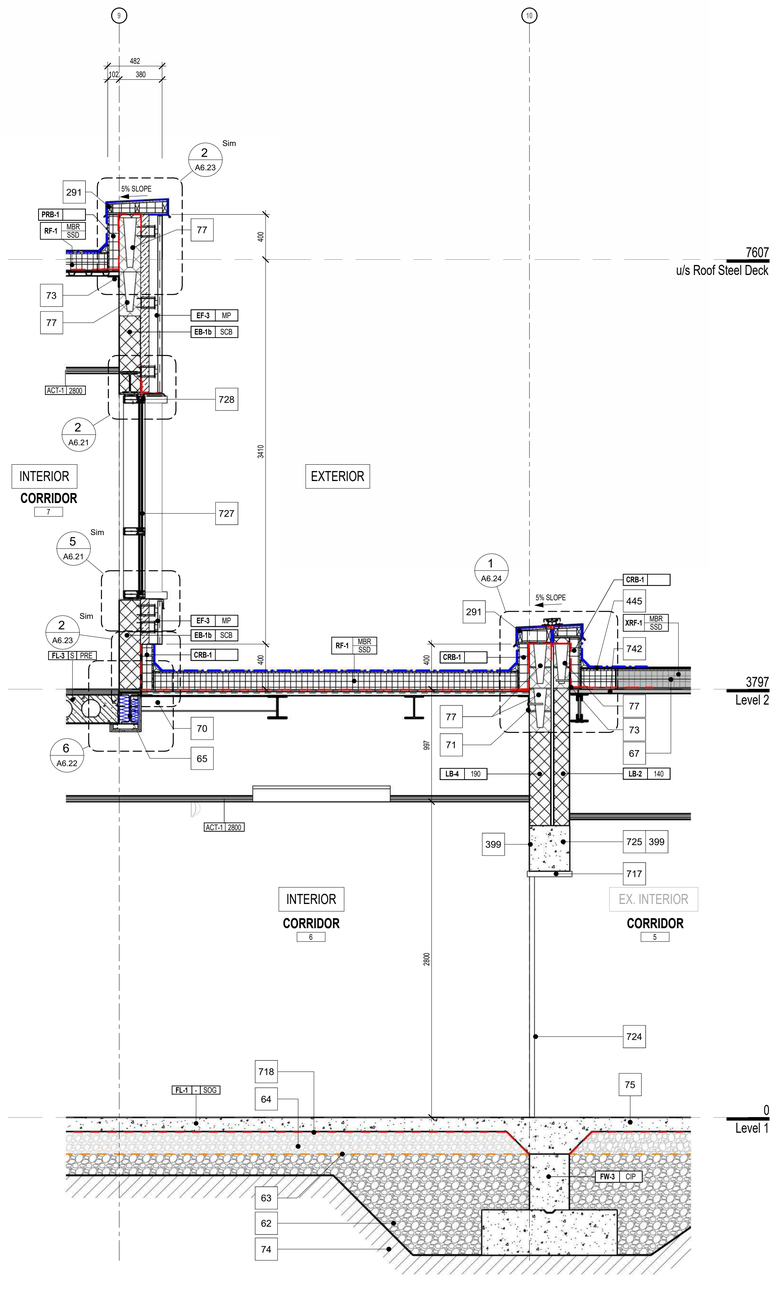
A6.10

Keynote Legend

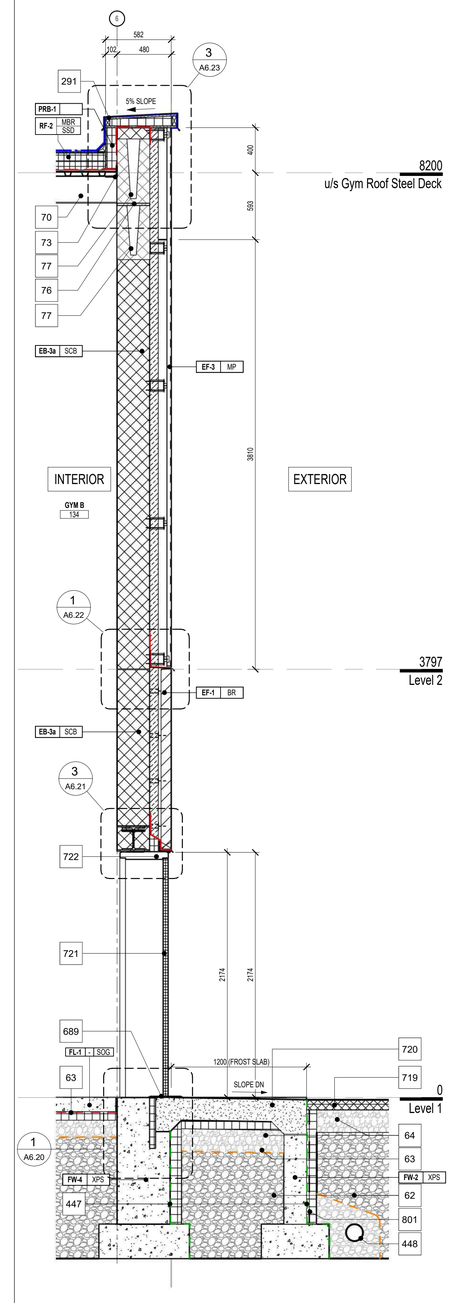
Item	Description
59	LEAN MIX (REFER TO STRUCTURAL DRAWINGS).
60	CONCRETE STRIP FOOTING (REFER TO STRUCTURAL DRAWINGS).
61	CONCRETE FOUNDATION WALL (REFER TO STRUCTURAL DRAWINGS).
62	GRANULAR "B", TYPE I BACKFILL AS PER GEOTECH REPORT.
63	GEOTEXTILE FABRIC.
64	GRANULAR "A" AS PER GEOTECH REPORT.
65	STEEL BEAM (REFER TO STRUCTURAL DRAWINGS).
67	EXISTING ROOF.
70	STEEL C CHANNEL (REFER TO STRUCTURAL DRAWINGS).
71	STEEL ANGLE ANCHORED TO BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
73	STEEL ANGLE (REFER TO STRUCTURAL DRAWINGS).
74	UNEXCAVATED SOIL
75	SEE STRUCTURAL DRAWINGS FOR CONTINUATION OF NEW CONC SLAB
76	STEEL PLATE (REFER TO STRUCTURAL DRAWINGS).
77	BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
78	EXISTING FOUNDATION WALL AND FOOTING
291	PREFINISHED ALUMINUM CAP FLASHING (PTD).
294	PROVIDE NEW BUILT-UP PARAPET ON EXISTING PARAPET ASSEMBLY
399	INTERIOR FACE OF CONCRETE WALL TO MEET "ARCHITECTURAL CONCRETE FINISH CSC4" STANDARDS USING ARCHITECTURAL CONCRETE FORMS. (REFER TO STRUCTURAL DWGS/SPECS).
445	OVERLAP LAYERS OF ROOF MEMBRANES w/ EXISTING MEMBRANES 610 MIN.
447	EXTEND WATERPROOFING MEMBRANE (WPM-1) TO BOTTOM OF FOOTING.
448	150 DIA. WEEPING TILE c/w 150 GRANULAR A COVERAGE + GEOTEXTILE FABRIC.
657	CLOSED CELL POLYURETHANE SPRAY FOAM TO FILL VOID
689	ALUMINUM THRESHOLD.
717	HOLLOW METAL DOOR FRAME (PTD) SEE PLAN + DOOR SCHEDULE
718	UDERSLAB VAPOUR RETARDER.
719	FIN. GRADE (ASPHALT) SEE LANDSCAPE + CIVIL DRAWINGS.
720	FIN GRADE (CONC. FROST SLAB) SEE LANDSCAPE, CIVIL + STRUCT DRAWINGS.
721	INSULATED STEEL DOOR (PTD).
722	HOLLOW METAL FRAME (PTD) FILL VOID w/ SPF INSULATION.
724	HOLLOW METAL DOOR (PTD) SEE PLAN + DOOR SCHEDULE
725	CONCRETE BEAM. SEE STRUCTURAL DRAWINGS.
727	DOUBLE GLAZED WINDOW, TYP.
728	THERMALLY BROKEN ANODIZED FRAME, TYP.
742	EXISTING STEEL ROOF DECK.
743	EXISTING OWSJ.
801	DRAINAGE BOARD



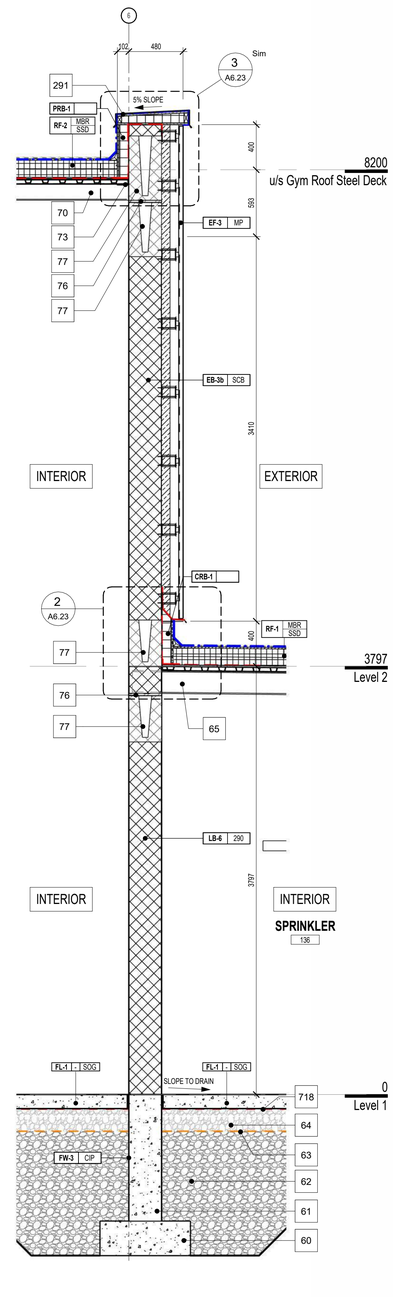
Thru Gym Storage @ Existing Low Roof **4** A2.00 A6.11 1 : 25



Wall Sec. Thru New and Existing Building @ Connection Door **3** A6.00 A6.11 1 : 25



Wall Sec. Thru Gym @ Man Door **2** A2.00 A6.11 1 : 25



Wall Sec. Thru Gym and Sprinkler **1** A2.00 A6.11 1 : 25

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St. Mark CES Addition

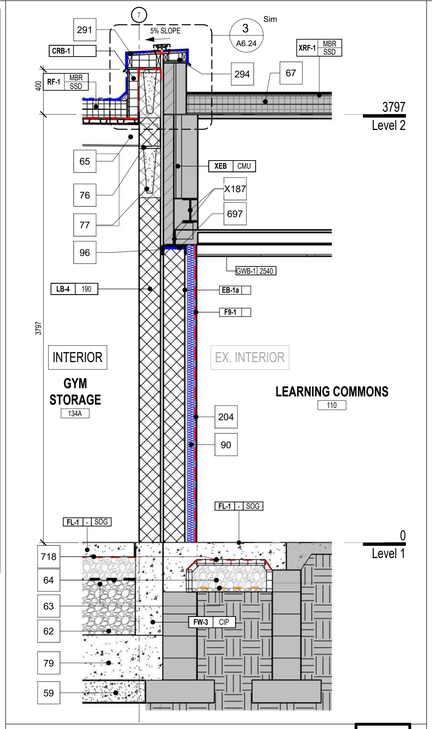
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR WALL SECTIONS

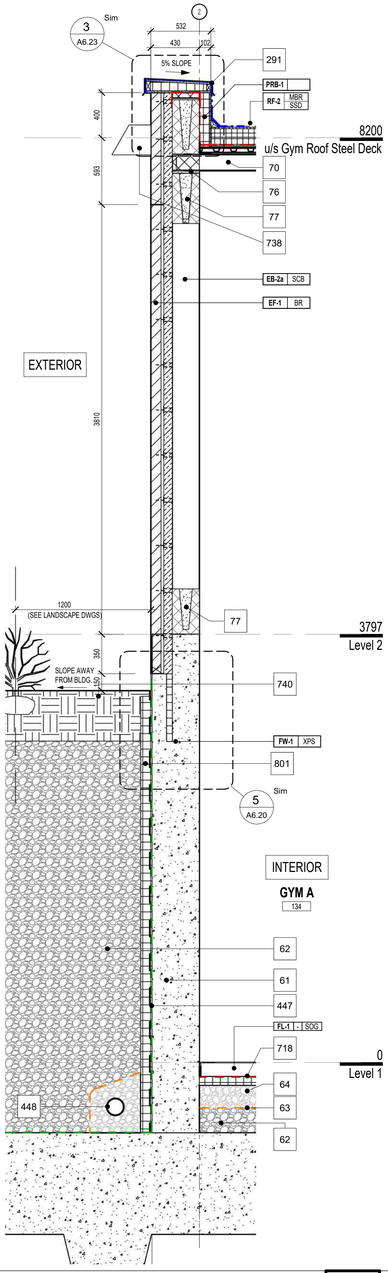
scale:	1 : 25
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:12:36 PM
drawing number:	**A6.11**

Keynote Legend

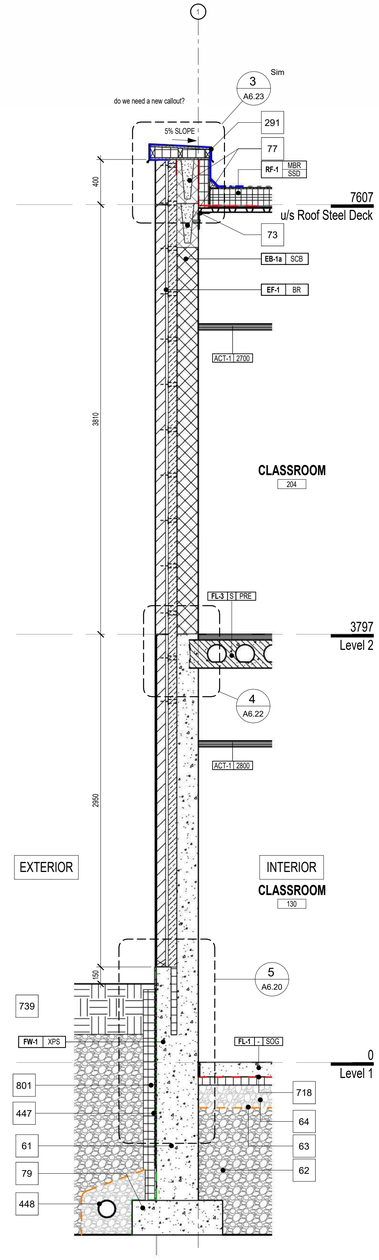
Item	Description
59	LEAN MIX (REFER TO STRUCTURAL DRAWINGS).
61	CONCRETE FOUNDATION WALL (REFER TO STRUCTURAL DRAWINGS).
62	GRANULAR "B", TYPE I BACKFILL AS PER GEOTECH REPORT.
63	GEOTEXTILE FABRIC.
64	GRANULAR "A" AS PER GEOTECH REPORT.
65	STEEL BEAM (REFER TO STRUCTURAL DRAWINGS).
67	EXISTING ROOF.
68	STEEL BEAM + PLATE (REFER TO STRUCTURAL DRAWINGS).
70	STEEL C CHANNEL (REFER TO STRUCTURAL DRAWINGS).
73	STEEL ANGLE (REFER TO STRUCTURAL DRAWINGS).
76	STEEL PLATE (REFER TO STRUCTURAL DRAWINGS).
77	BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
79	CONCRETE FOOTING (REFER TO STRUCTURAL DRAWINGS).
90	BATT INSULATION MIN. R-13.
96	GENERAL CONTRACTOR TO COORDINATE TOP OF NEW CMU BLOCK WALL CONNECTION TO THE EXISTING STEEL SUPPORT ANGLE WITH STRUCTURAL DRAWINGS.
204	AIR/VAPOUR BARRIER
291	PREFINISHED ALUMINUM CAP FLASHING (PTD).
294	PROVIDE NEW BUILT-UP PARAPET ON EXISTING PARAPET ASSEMBLY
447	EXTEND WATERPROOFING MEMBRANE (WPM-1) TO BOTTOM OF FOOTING.
448	150 DIA. WEEPING TILE c/w 150 GRANULAR A COVERAGE + GEOTEXTILE FABRIC.
697	MINERAL WOOL INSULATION.
718	UDERSLAB VAPOUR RETARDER.
719	FIN. GRADE (ASPHALT) SEE LANDSCAPE + CIVIL DRAWINGS.
720	FIN GRADE (CONC. FROST SLAB) SEE LANDSCAPE, CIVIL + STRUCT DRAWINGS.
721	INSULATED STEEL DOOR (PTD).
732	BRICK JAMB BEYOND
733	DOUBLE-GLAZED WINDOW UNIT, TYP.
734	DOUBLE-GLAZED TRANSOM ABOVE
736	STEEL LINTEL. SEE STRUCTURAL DWGS.
737	STONE HEAD c/w WEEP VENTS.
738	WALL PACK LIGHT FIXTURE, TYP. SEE EXTERIOR ELEVATIONS + ELECT. DWGS.
739	FIN. GRADE (SOD) SEE LANDSCAPE + CIVIL DWGS.
740	FIN. GRADE (PLANTING BED) SEE LANDSCAPE + CIVIL DRAWINGS
801	DRAINAGE BOARD
X187	EXISTING STRUCTURE TO REMAIN. GC TO PROTECT EXISTING DURING DEMOLITION.



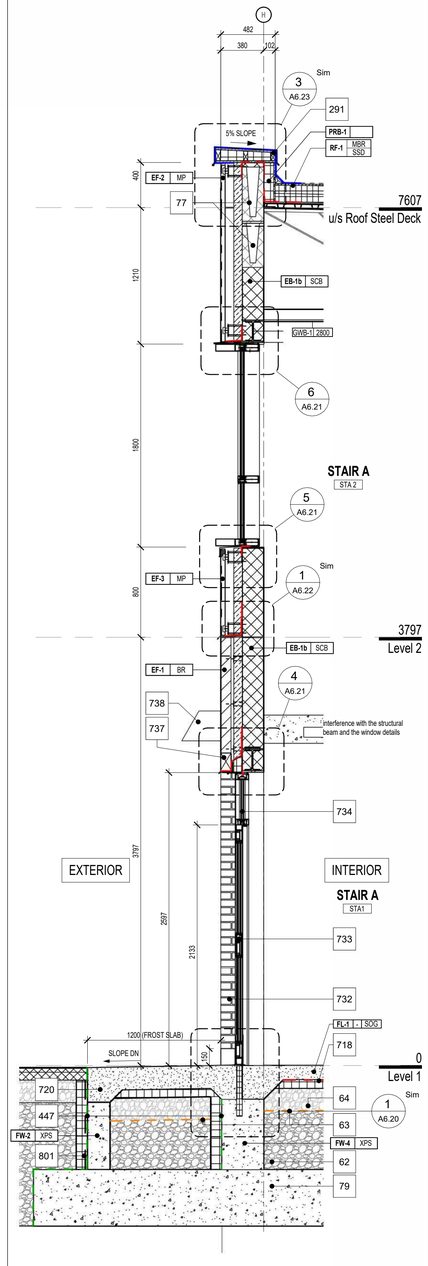
Thru Gym Stor. @ Infill Existing Opening 5 A2.00 A6.12 1 : 25



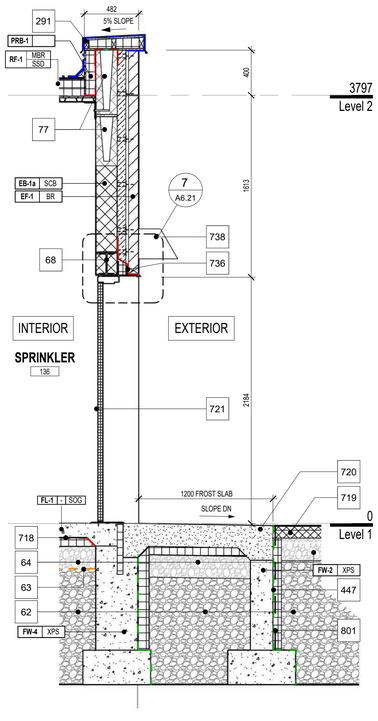
Wall Sec. Thru Gym @ Retaining Wall 3 A2.00 A6.12 1 : 25



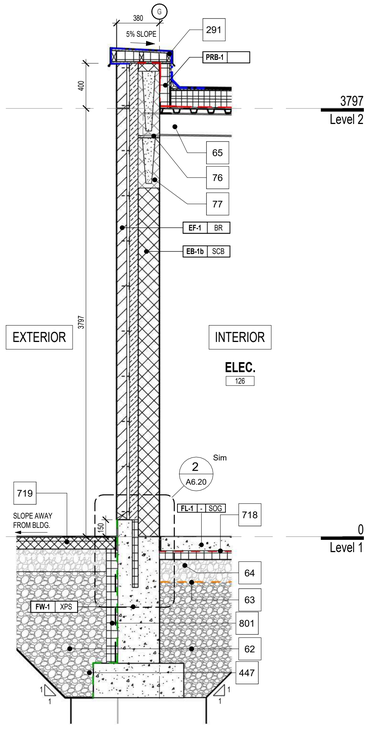
Thru Classroom @ Retaining Wall 2 A2.00 A6.12 1 : 25



Thru Brick Veneer @ Man Door 1 A2.00 A6.12 1 : 25



Wall Sec. Thru Sprinkler @ Man Door 6 A2.00 A6.12 1 : 25



Wall Sec. Thru Elect. @ Brick Veneer 4 A2.00 A6.12 1 : 25

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

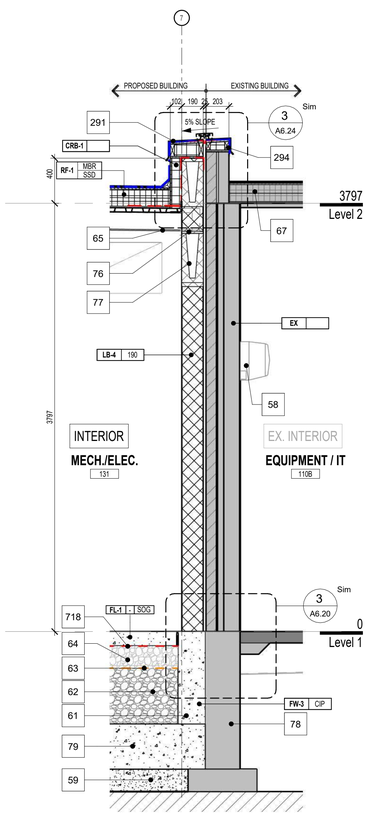
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR WALL SECTIONS

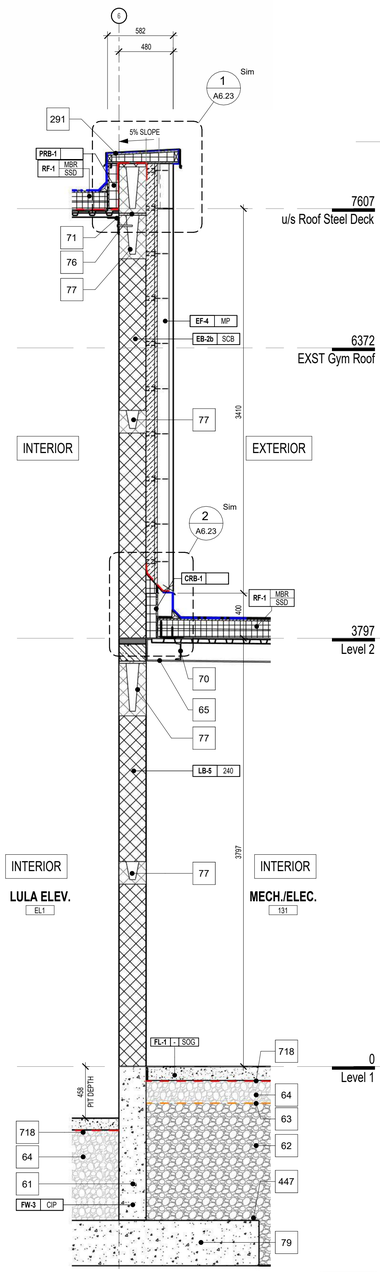
scale:	1 : 25
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:12:45 PM
drawing number:	A6.12

Keynote Legend

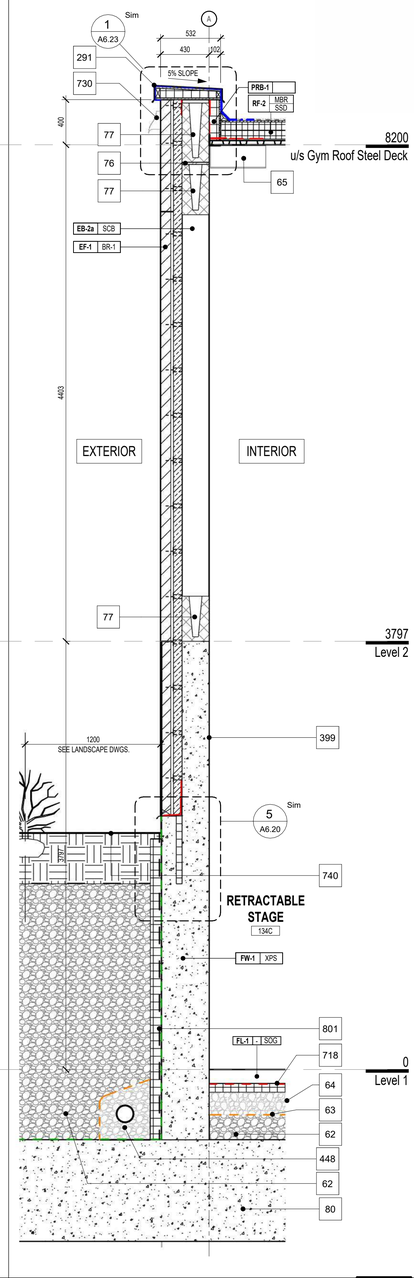
Item	Description
58	GENERAL CONTRACTOR TO COORDINATE ALL WORK IN THIS AREA WITH MECHANICAL AND ELECTRICAL DRAWINGS
59	LEAN MIX (REFER TO STRUCTURAL DRAWINGS).
61	CONCRETE FOUNDATION WALL (REFER TO STRUCTURAL DRAWINGS).
62	GRANULAR "B", TYPE I BACKFILL AS PER GEOTECH REPORT.
63	GEOTEXTILE FABRIC.
64	GRANULAR "A" AS PER GEOTECH REPORT.
65	STEEL BEAM (REFER TO STRUCTURAL DRAWINGS).
67	EXISTING ROOF.
68	STEEL BEAM + PLATE (REFER TO STRUCTURAL DRAWINGS).
70	STEEL C CHANNEL (REFER TO STRUCTURAL DRAWINGS).
71	STEEL ANGLE ANCHORED TO BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
76	STEEL PLATE (REFER TO STRUCTURAL DRAWINGS).
77	BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
78	EXISTING FOUNDATION WALL AND FOOTING
79	CONCRETE FOOTING (REFER TO STRUCTURAL DRAWINGS).
80	RETAINING WALL FOOTING (REFER TO STRUCTURAL DRAWINGS).
291	PREFINISHED ALUMINUM CAP FLASHING (PTD).
294	PROVIDE NEW BUILT-UP PARAPET ON EXISTING PARAPET ASSEMBLY
399	INTERIOR FACE OF CONCRETE WALL TO MEET "ARCHITECTURAL CONCRETE FINISH CSC4" STANDARDS USING ARCHITECTURAL CONCRETE FORMS. (REFER TO STRUCTURAL DWGS/SPECS).
447	EXTEND WATERPROOFING MEMBRANE (WPM-1) TO BOTTOM OF FOOTING.
448	150 DIA. WEEPING TILE c/w 150 GRANULAR A COVERAGE + GEOTEXTILE FABRIC.
718	UDERSLAB VAPOUR RETARDER.
730	THRU-WALL SCUPPER BEYOND SEE EXTERIOR ELEVATIONS.
739	FIN. GRADE (SOD) SEE LANDSCAPE + CIVIL DWGS.
740	FIN. GRADE (PLANTING BED) SEE LANDSCAPE + CIVIL DRAWINGS
801	DRAINAGE BOARD



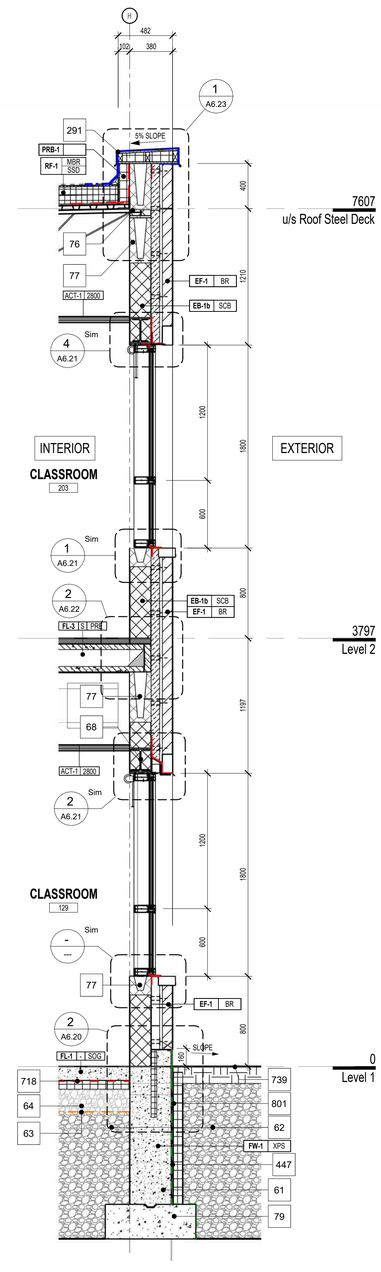
Thru Mech./Elec. @ Infill EXT. Opening — 5 — A6.00 A6.13 — 1 : 25



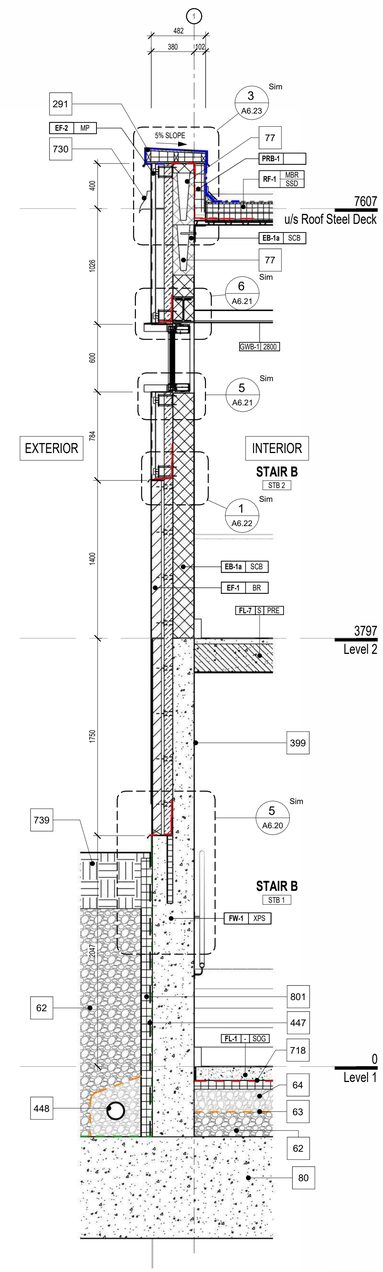
Thru Mech./Elec. @ LULA Elev. — 4 — A6.00 A6.13 — 1 : 25



Thru Retrac. Stage @ Retaining Wall — 3 — A6.00 A6.13 — 1 : 25



Thru Classroom @ (EF-1) + CW — 2 — A6.00 A6.13 — 1 : 25



Thru Stair B @ Retaining Wall — 1 — A6.00 A6.13 — 1 : 25

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7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
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2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR WALL SECTIONS

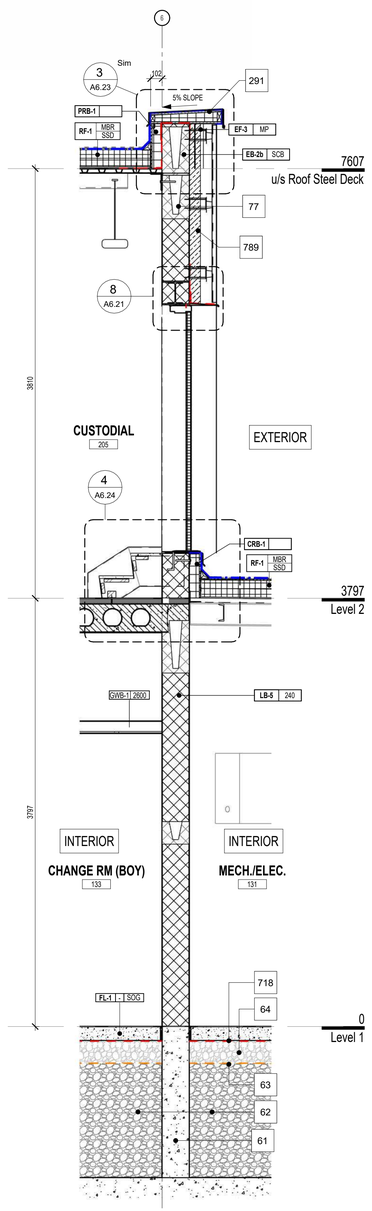
scale:	1 : 25
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:12:54 PM
drawing number:	A6.13

Keynote Legend

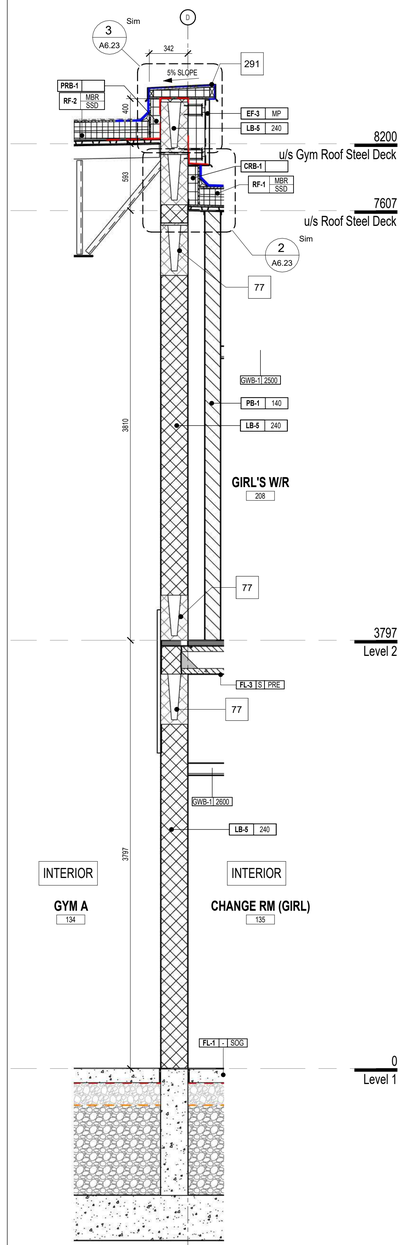
Item	Description
60	CONCRETE STRIP FOOTING (REFER TO STRUCTURAL DRAWINGS).
61	CONCRETE FOUNDATION WALL (REFER TO STRUCTURAL DRAWINGS).
62	GRANULAR "B", TYPE I BACKFILL AS PER GEOTECH REPORT.
63	GEOTEXTILE FABRIC.
64	GRANULAR "A" AS PER GEOTECH REPORT.
68	STEEL BEAM + PLATE (REFER TO STRUCTURAL DRAWINGS).
71	STEEL ANGLE ANCHORED TO BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
76	STEEL PLATE (REFER TO STRUCTURAL DRAWINGS).
77	BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
79	CONCRETE FOOTING (REFER TO STRUCTURAL DRAWINGS).

Keynote Legend

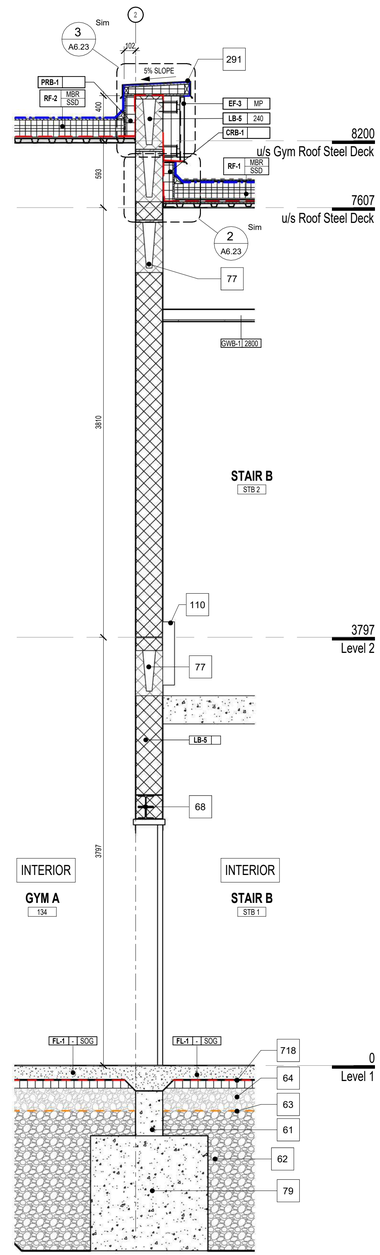
Item	Description
110	ELECTRICAL HEATER. (REFER TO ELECTRICAL).
291	PREFINISHED ALUMINUM CAP FLASHING (PTD).
447	EXTEND WATERPROOFING MEMBRANE (WPM-1) TO BOTTOM OF FOOTING.
718	UDERSLAB VAPOUR RETARDER.
719	FIN. GRADE (ASPHALT) SEE LANDSCAPE + CIVIL DRAWINGS.
740	FIN. GRADE (PLANTING BED) SEE LANDSCAPE + CIVIL DRAWINGS
789	LONGER BRICK TIE SECURED TO CMU BACKUP WALL (SEE SPECIFICATIONS FR DETAILS).
801	DRAINAGE BOARD



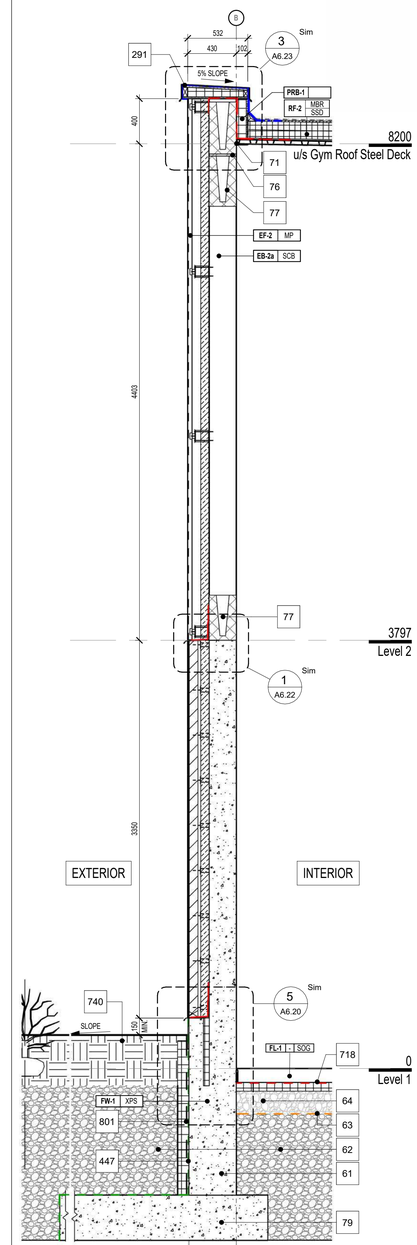
Thru Custodial @ Low Roof Access Door — 5 / A2.00 A6.14 — 1 : 25



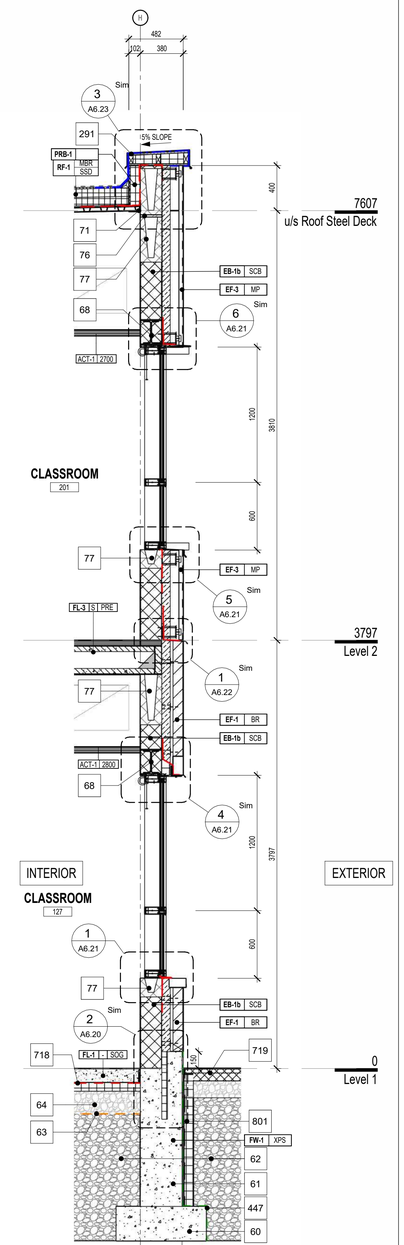
Thru Gym Roof @ Main Roof — 4 / A2.00 A6.14 — 1 : 25



Thru Gym @ Stair B — 3 / A2.00 A6.14 — 1 : 25



Thru Gym @ Retaining Wall — 2 / A6.00 A6.14 — 1 : 25



Thru Classrm @ EF-1 + EF-2 + CW — 1 / A6.00 A6.14 — 1 : 25

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
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2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

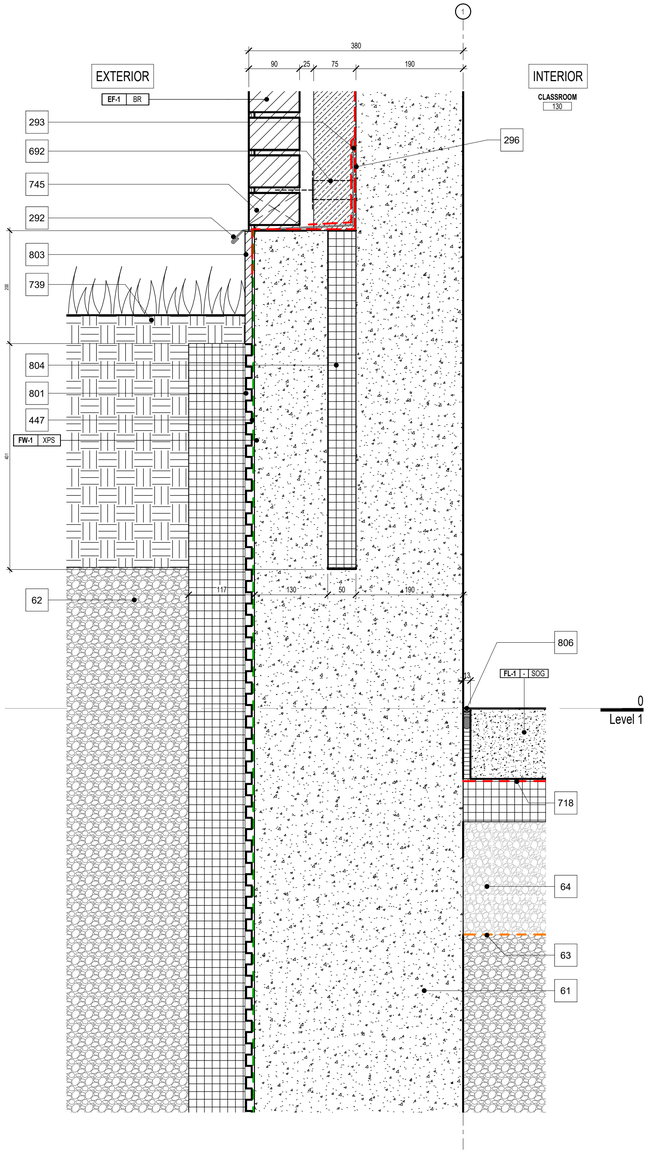
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR WALL SECTIONS

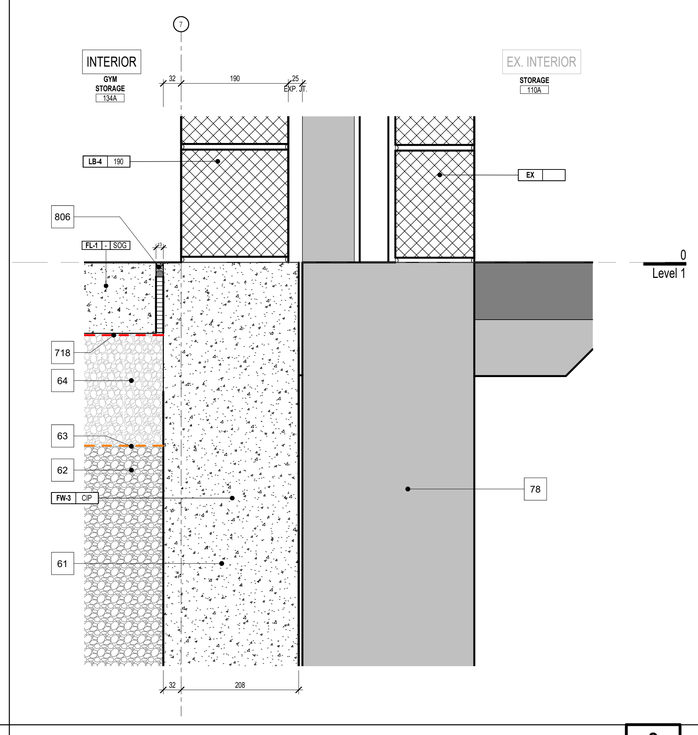
scale:	1 : 25
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:13:02 PM
drawing number:	A6.14

Keynote Legend

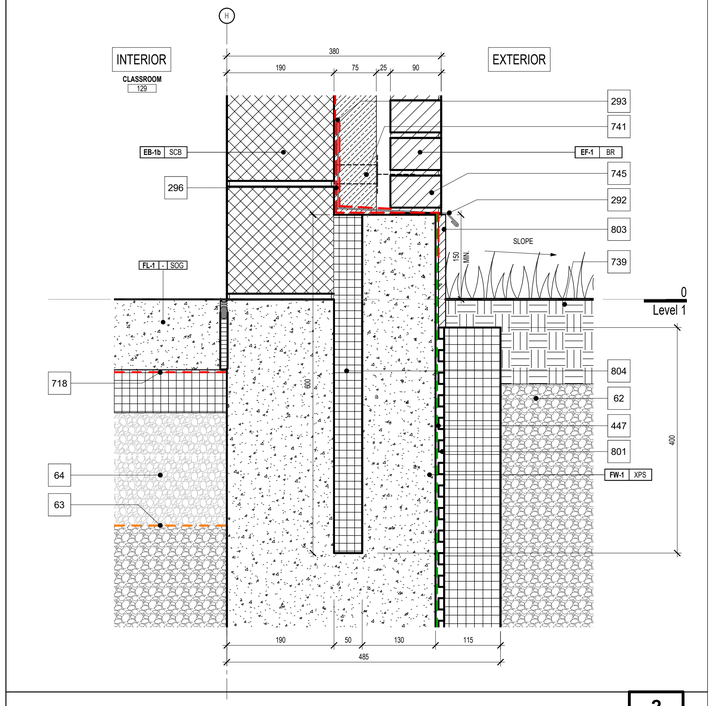
Item	Description
61	CONCRETE FOUNDATION WALL (REFER TO STRUCTURAL DRAWINGS).
62	GRANULAR "B", TYPE I BACKFILL AS PER GEOTECH REPORT.
63	GEOTEXTILE FABRIC.
64	GRANULAR "A" AS PER GEOTECH REPORT.
78	EXISTING FOUNDATION WALL AND FOOTING
292	PREFINISHED ALUMINUM THRU-WALL DRIP FLASHING (PTD).
293	OVERLAP A/VB OVER PREFINISHED ALUMINUM THRU-WALL FLASHING 150 MIN.
296	AIR VAPOUR BARRIER (AVB-1).
447	EXTEND WATERPROOFING MEMBRANE (WPM-1) TO BOTTOM OF FOOTING.
689	ALUMINUM THRESHOLD.
692	BRICK TIE (SEE SPECIFICATIONS).
718	UDERSLAB VAPOUR RETARDER.
720	FIN GRADE (CONC. FROST SLAB) SEE LANDSCAPE, CIVIL + STRUCT DRAWINGS.
721	INSULATED STEEL DOOR (PTD).
722	HOLLOW METAL FRAME (PTD) FILL VOID w/ SPF INSULATION.
739	FIN. GRADE (SOD) SEE LANDSCAPE + CIVIL DWGS.
741	BRICK TIE SECURED TO CMU BACKUP WALL (SEE SPECIFICATIONS FR DETAILS).
745	WEEP VENTS (SEE SPECIFICATIONS).
801	DRAINAGE BOARD
803	CEMENT BOARD OVER DAMPPROOFING, FINISH TO MIMIC CONCRETE FACED RIGID INSULATION.
804	POCKET INSULATION (INS-1) TYPICAL
806	ROD + MOISTURE RESISTANT SEALANT c/w 13 COMPRESSIBLE FILLER



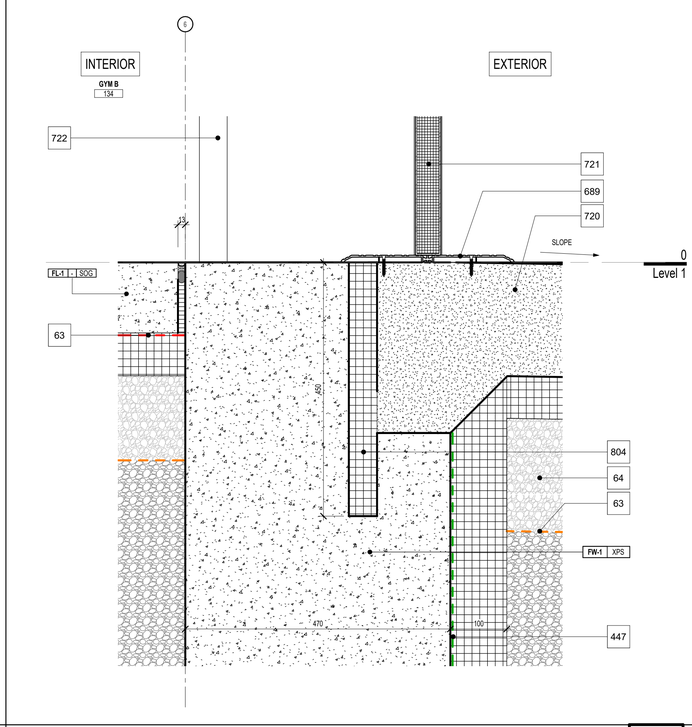
SECTION DETAIL AT BASE OF RETAIING WALL **5** A6.12 A6.20 1 : 5



SECTION DETAIL AT EXPANSION JOINT **3** A6.11 A6.20 1 : 5



SECTION DETAIL AT BASE OF FOUNDATION WALL **2** A6.12 A6.20 1 : 5



TYPICAL SECTION DETAIL AT FROST SLAB **1** A6.11 A6.20 1 : 5

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St. Mark CES Addition

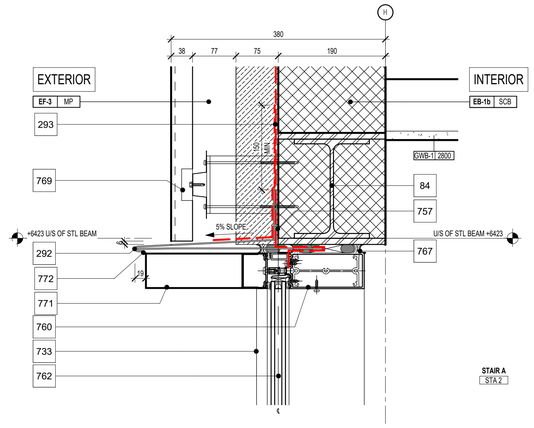
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR SECTION DETAILS - FOUNDATION

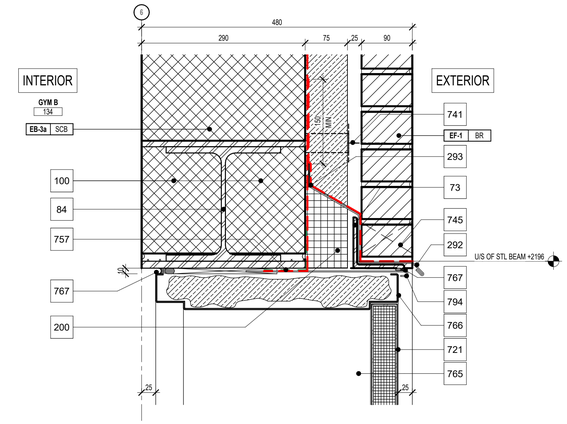
scale:	1 : 5
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:13:08 PM
drawing number:	**A6.20**

Keynote Legend

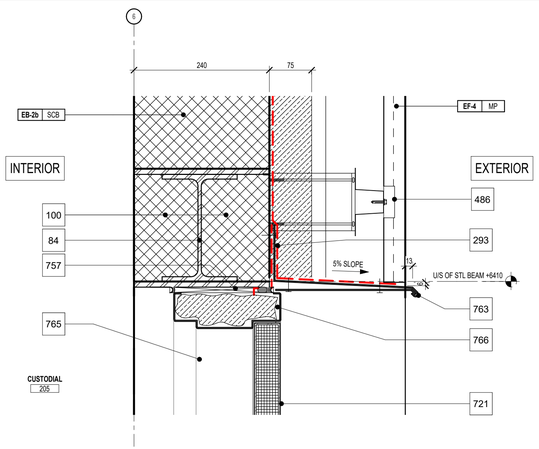
Item	Description
73	STEEL ANGLE (REFER TO STRUCTURAL DRAWINGS).
84	STEEL BEAM c/w STEEL TOP + BOTTOM PLATES. (REFER TO STRUCTURAL DRAWINGS).
100	CMU BLOCK FACESHELL INFILL c/w ANCHORS AS INDICATED IN STRUCTURAL DRAWINGS (TYPICAL).
103	18 GA. GALVANIZED J-BAR.
200	RIGID INSULATION
292	PREFINISHED ALUMINUM THRU-WALL DRIP FLASHING (PTD).
293	OVERLAP A/VB OVER PREFINISHED ALUMINUM THRU-WALL FLASHING 150 MIN.
483	ALUMINUM CLEAT. COLOUR TO MATCH FLASHING.
486	PANEL CLIP FASTENED TO HAT CHANNEL SUB-GIRT.
715	MOISTURE RESISTANT SEALANT, TYP.
721	INSULATED STEEL DOOR (PTD).
726	BRICK SILL EXTRUSION.
733	DOUBLE-GLAZED WINDOW UNIT, TYP.
737	STONE HEAD c/w WEEP VENTS.
741	BRICK TIE SECURED TO CMU BACKUP WALL (SEE SPECIFICATIONS FR DETAILS).
745	WEEP VENTS (SEE SPECIFICATIONS).
756	OVERLAP A/VB OVER END DAM 150 MIN.
757	PROVIDE FLEXIBLE FLASHING AT ROUGH OPENINGS, TYP.
758	CONT. BEAD OF MOISURE RESISTANT SEALANT, TYP.
759	PREFINISHED METAL SILL FLASHING (PTD).
760	THERMALLY BROKEN ALUMINUM CURTAIN WALL FRAME.
761	ALUMINUM END DAM (BOTH SIDES).
762	ALIGN TO C.L. OF GLAZING IGU w/ FRONT FACE OF CMU BACK-UP WALL.
763	PREFINISHED ALUMINUM DRIP FLASHING (PTD).
765	HOLLOW METAL FRAME BEYOND.
766	HOLLOW METAL DOOR FRAME (PTD) PACK VOID w/ SPF INSULATION.
767	ROD + SEALANT (BOTH SIDES).
769	CLADDING CLIP BY CLADDING MANUFACTURER.
770	FOAM + SEALANT CLOSURE BY CLADDING MANUFACTURER.
771	ALUMINUM CAP EXTRUSION.
772	CONT. BEAD OF MOISTURE RESISTANT SEALANT, TYP.
794	HEAD FLASHING SEALED TO U/S ANGLE



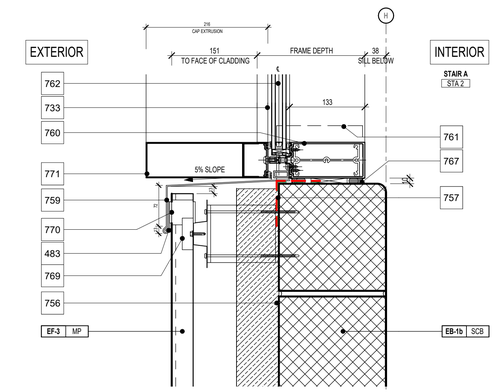
Typical Section Detail Thru EF-2 @ CW Top Extended Cap **6** A6.12 A6.21 1 : 5



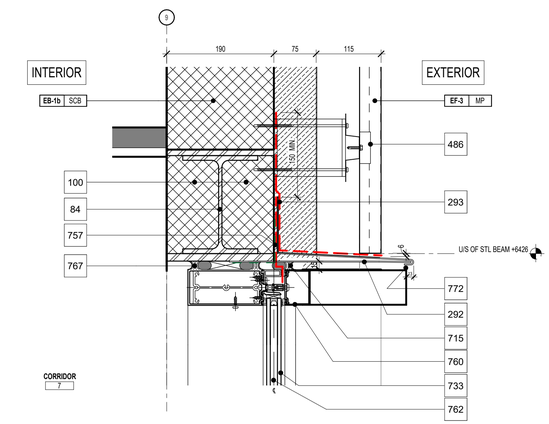
Typical Section Detail Thru EF-1 @ Wide Hollow Metal Door Frame **3** A6.11 A6.21 1 : 5



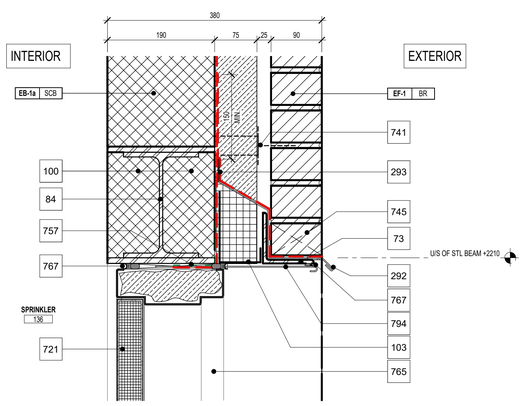
SEC. DETAIL THRU EF-4 @ HOLLOW METAL DOOR FRAME **8** A6.14 A6.21 1 : 5



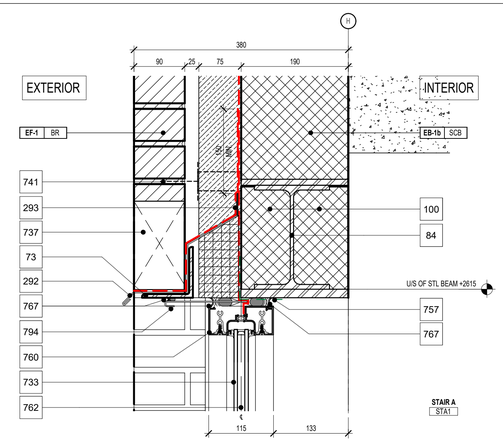
Typical Section Detail Thru EF-2 @ CW Bottom Extended Cap **5** A6.11 A6.21 1 : 5



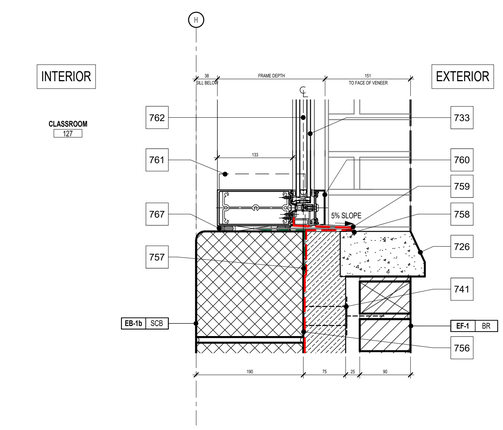
Typical Section Detail Thru EF-3 @ Curtain Wall Head **2** A6.11 A6.21 1 : 5



Typical Section Detail Thru EF-1 @ Hollow Metal Door Frame **7** A6.12 A6.21 1 : 5



Typical Section Detail Thru EF-1 @ Curtain Wall **4** A6.12 A6.21 1 : 5



Typical Section Thru EF-1 @ Curtain Wall Sill **1** A6.13 A6.21 1 : 5

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St. Mark CES Addition

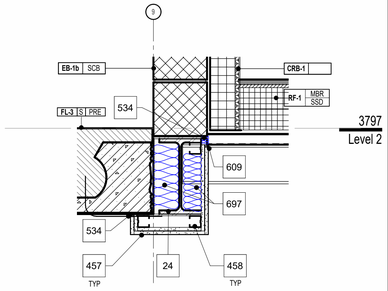
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR SECTION DETAILS - OPENINGS

scale:	1 : 5
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:13:15 PM
drawing number:	**A6.21**

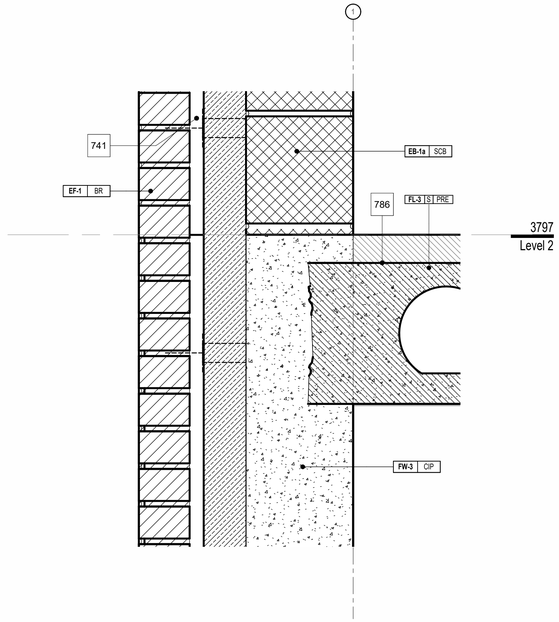
Keynote Legend

Item	Description
24	BEAM (REFER TO STRUCTURAL)
77	BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
292	PREFINISHED ALUMINUM THRU-WALL DRIP FLASHING (PTD).
293	OVERLAP A/VB OVER PREFINISHED ALUMINUM THRU-WALL FLASHING 150 MIN.
296	AIR VAPOUR BARRIER (AVB-1).
311	ROOF DRAIN (REFER TO MECHANICAL)
457	(2) LAYERS 1/2" TYPE C FIRE RATED GYPSUM WALLBOARD c/w CORNER BEAD.
458	41mm (1-5/8") STEEL STUDS.
534	TYPICAL AT FLUTES: FILL VOIDS WITH ULC APPROVED FIRE STOP MATERIAL
609	INTUMESCENT FIRESTOP SEALANT. (REFER TO SPECIFICATIONS)
697	MINERAL WOOL INSULATION.
741	BRICK TIE SECURED TO CMU BACKUP WALL (SEE SPECIFICATIONS FR DETAILS).
758	CONT. BEAD OF MOISURE RESISTANT SEALANT, TYP.
773	GOOSENECK EXHAUST PIPE (SEE MECH DRAWINGS).
774	OVERLAP A/VB OVER ALUMINUM COUNTER FLASHING 150 MIN.
775	ALUMINUM COUNTER FLASHING.
776	CONTINUOUS BEAD OF MOISTURE RESISTANT SEALANT AT EACH LAYER, TYP.
777	LAP ROOF MEMBRANE OVER A/VB MEMBRANE OVER COUNTER FLASHING, TYP.
778	SPRAY FOAM INSULATION.
779	ROOF RECEIVER.
780	OVERLAP ROOF MEMBRANE OVER ROOF RECEIVER.
781	OVERLAP A/VB MEMBRANE OVER COUNTER FLASHING, TYP.
786	PRECAST PLANK + TOPPING (REFER TO STRUCTURAL).

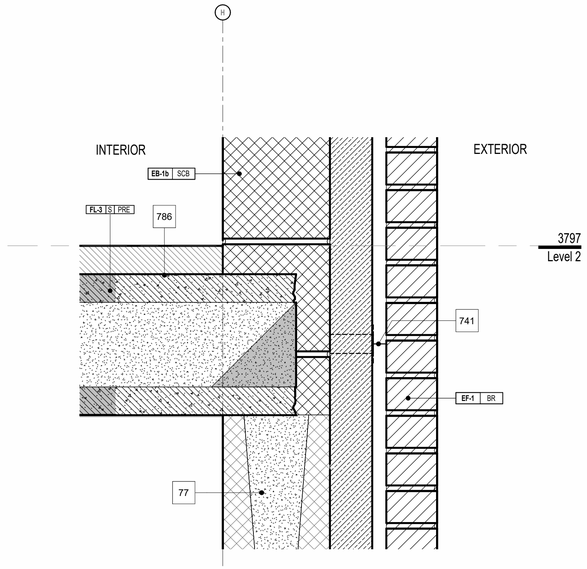


1HR Fire-Rated Beam UL263 / X528

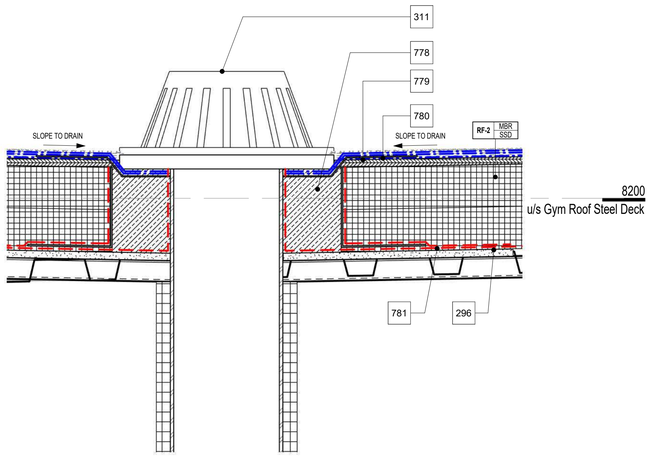
Fire-Rated Beam - Section Detail 6 A6.10 A6.22 1 : 10



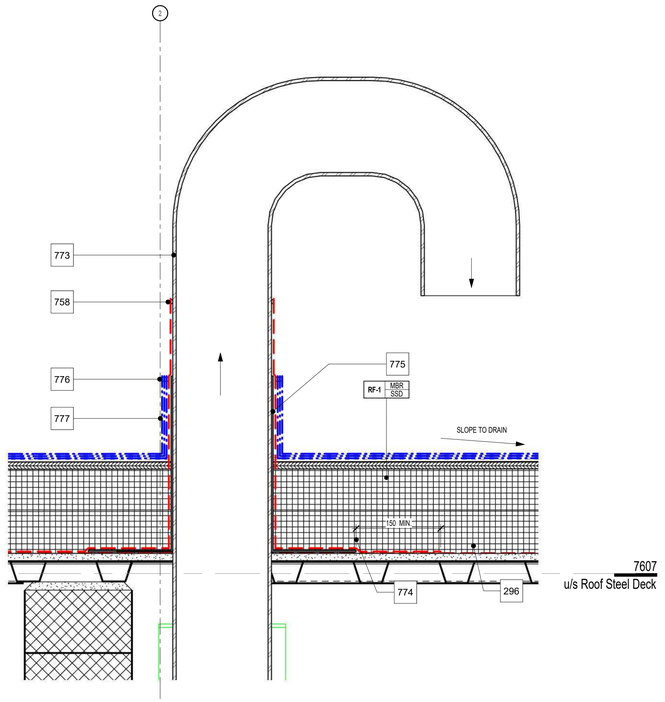
THRU STRUCTURAL FLOOR TO RETAININGWALL CONNECTION 4 A6.12 A6.22 1 : 5



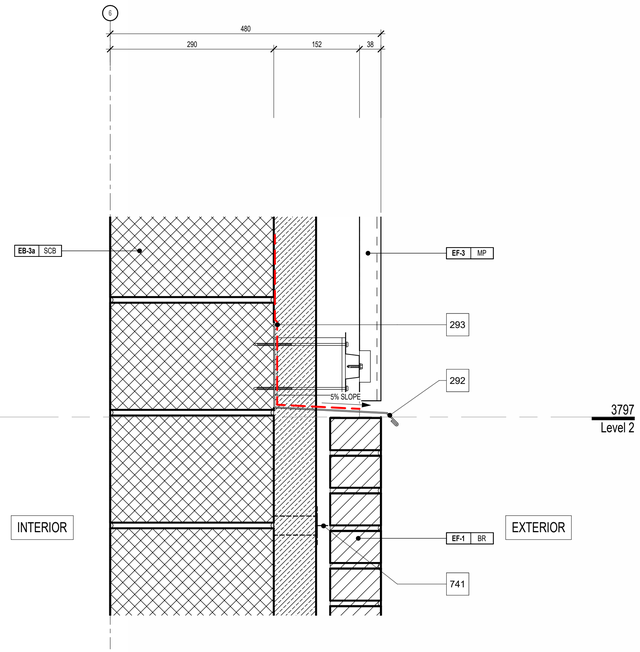
THRU STRUCTURAL FLOOR TO STRUCTURAL WALL CONNECTION 2 A6.13 A6.22 1 : 5



Section thru Roof Drain 5 A6.22 1 : 5



Section thru Gooseneck Exhaust Pipe at Roof 3 A6.22 1 : 5



SECTION DETAIL AT BRICK AND METAL PANEL STACK JOINT 1 A6.11 A6.22 1 : 5

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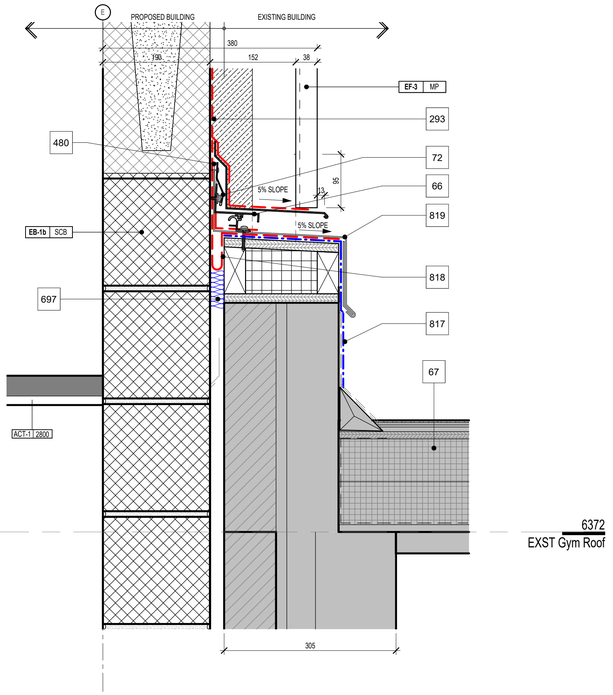
EXTERIOR SECTION DETAILS

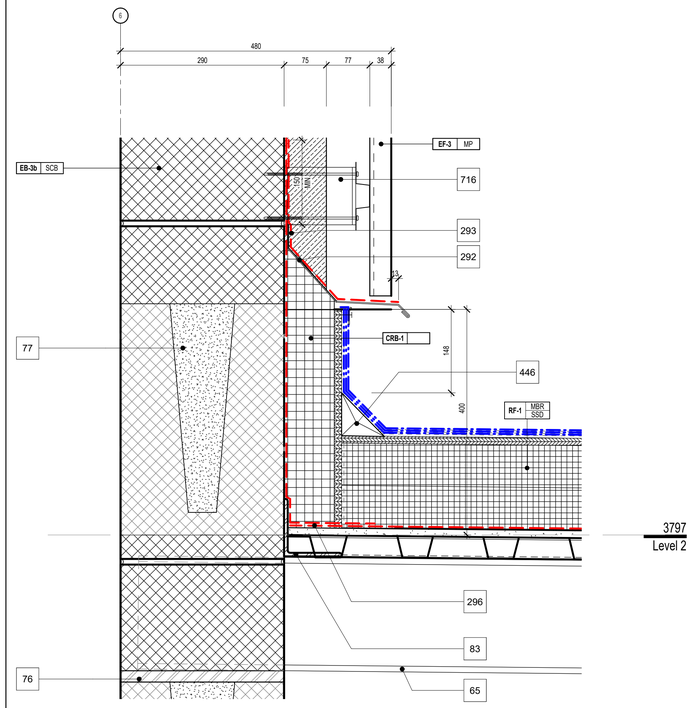
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:13:22 PM
drawing number:	A6.22

Keynote Legend

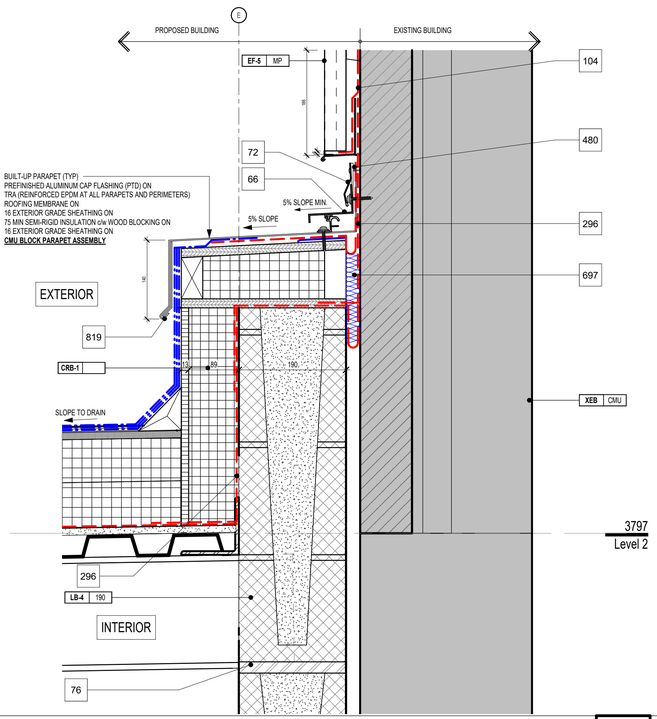
Item	Description
65	STEEL BEAM (REFER TO STRUCTURAL DRAWINGS).
66	(EEJC-XX) EXPANSION JOINT COVER (SEE SPECIFICATION FOR DETAILS).
67	EXISTING ROOF.
70	STEEL C CHANNEL (REFER TO STRUCTURAL DRAWINGS).
72	EXPANSION JOINT COVER EEJC-XX (SEE SPECIFICATIONS FOR DETAILS).
76	STEEL PLATE (REFER TO STRUCTURAL DRAWINGS).
77	BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
81	CONT. PERIMETER ANGLE, TYP. (REFER TO STRUCTURAL DRAWINGS).
83	CONT. CLOSURE ANGLE, TYP. (REFER TO STRUCTURAL DRAWINGS).
104	OVERLAP VAPOUR PERMEABLE AIR BARRIER (AVB-2) OVER ALUMINUM FLASHING.
292	PREFINISHED ALUMINUM THRU-WALL DRIP FLASHING (PTD).
293	OVERLAP A/VB OVER PREFINISHED ALUMINUM THRU-WALL FLASHING 150 MIN.
296	AIR VAPOUR BARRIER (AVB-1).
446	CONT. CANT STRIP, TYP.
480	PROVIDE SPACER TO ALLOW FOR 5% SLOPE AT EXPANSION JOINT COVER.
568	ROOF STRUCTURE AND STEEL ANGLE SUPPORT AS PER STRUCTURAL DRAWINGS, PAINTED
697	MINERAL WOOL INSULATION.
716	THERMALLY BROKEN CLIP SYSTEM, TYP. MECHANICALLY FASTENED TO CMU BACK-UP WALL.
741	BRICK TIE SECURED TO CMU BACKUP WALL (SEE SPECIFICATIONS FR DETAILS).
745	WEEP VENTS (SEE SPECIFICATIONS).
770	FOAM + SEALANT CLOSURE BY CLADDING MANUFACTURER.
817	LAP ROOF MEMBRANE OVER EX. ROOF MEMBRANE 150 MIN.
818	EXTEND AIR/VAPOUR RETARDER (AVB-1) INTO EXPANSION JOINT.
819	PRE-FINISHED ALUMINUM CAP FLASHING ON BUILT-UP PARAPET ON EXISTING PARAPET.
824	RETURN FLASHING PAST EXTERIOR FINISH MATERIAL TO COVER PARAPET MEMBRANE (TYPICAL AT ALL LOCATIONS).



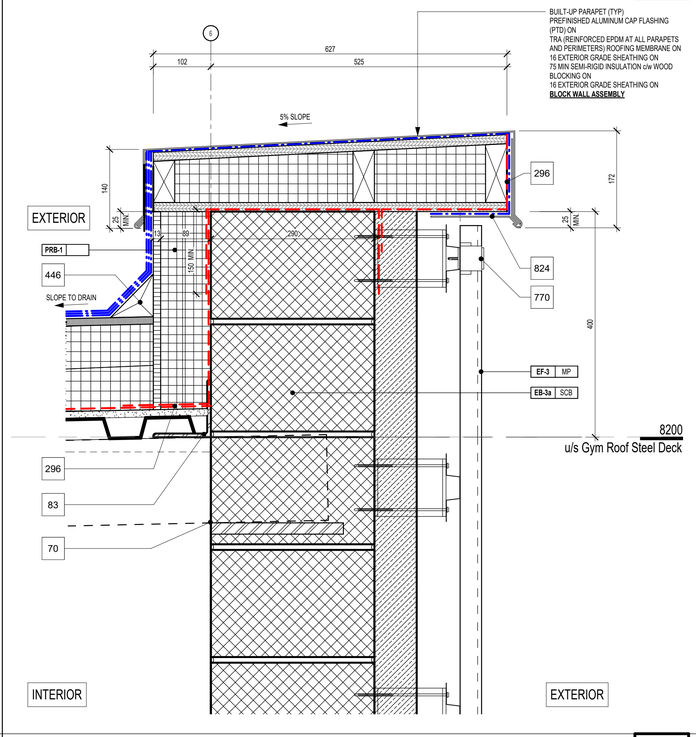
SECTION DETAIL - EXPANSION JOINT WALL TO EX. ROOF 4 A6.10 A6.23 1 : 5



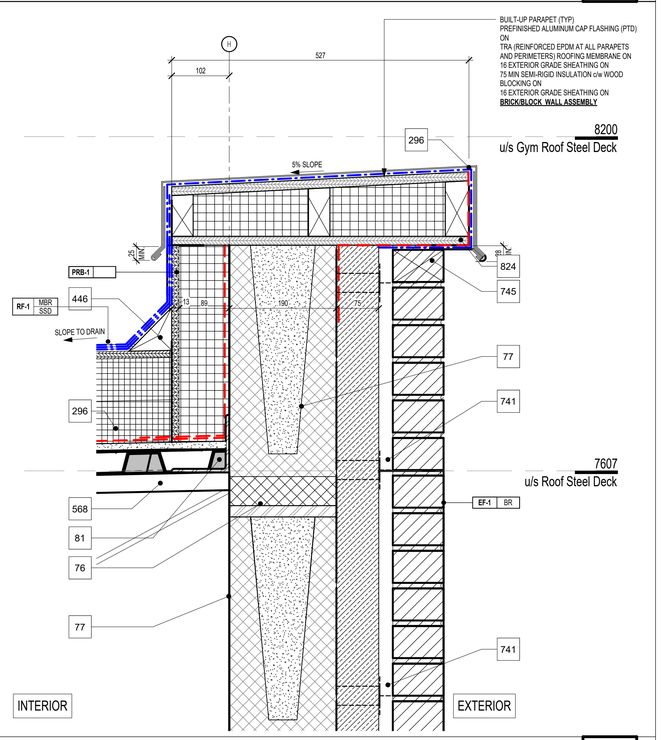
SECTION DETAIL - ROOF TO WALL CONNECTION 2 A6.10 A6.23 1 : 5



SECTION DETAIL - EXPANSION JOINT WALL TO ROOF 5 A6.10 A6.23 1 : 5



SECTION DETAIL THRU (EF-2) METAL PANEL PARAPET ASSEMBLY 3 A6.10 A6.23 1 : 5



SECTION DETAIL THRU (EF-1) BRICK PARAPET ASSEMBLY 1 A6.13 A6.23 1 : 5

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St. Mark CES Addition

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EXTERIOR SECTION DETAILS - ROOF

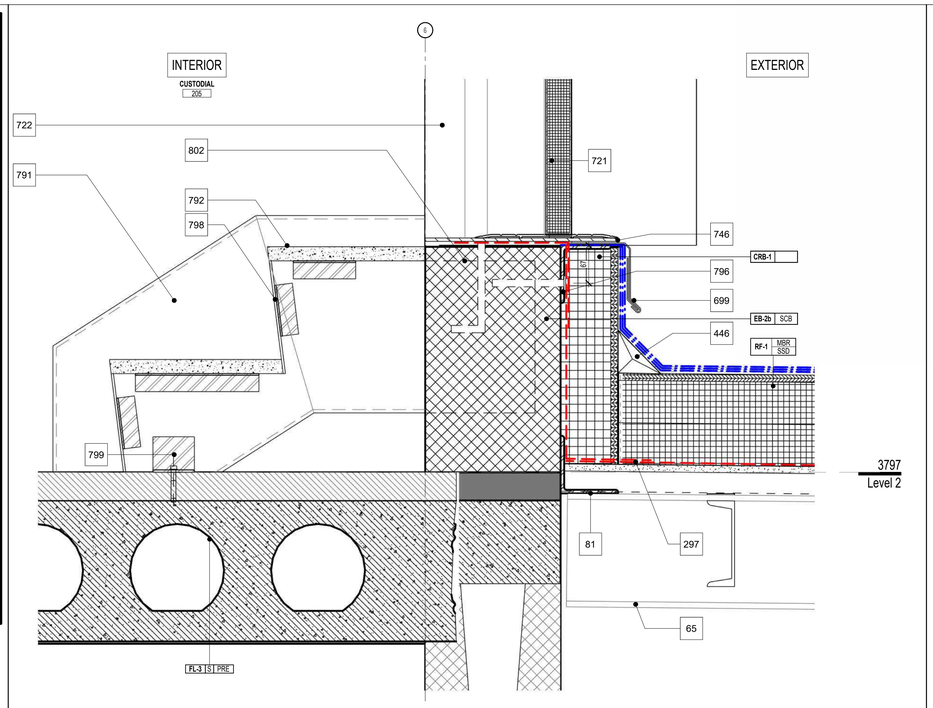
scale:	1 : 5
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:13:27 PM

drawing number:

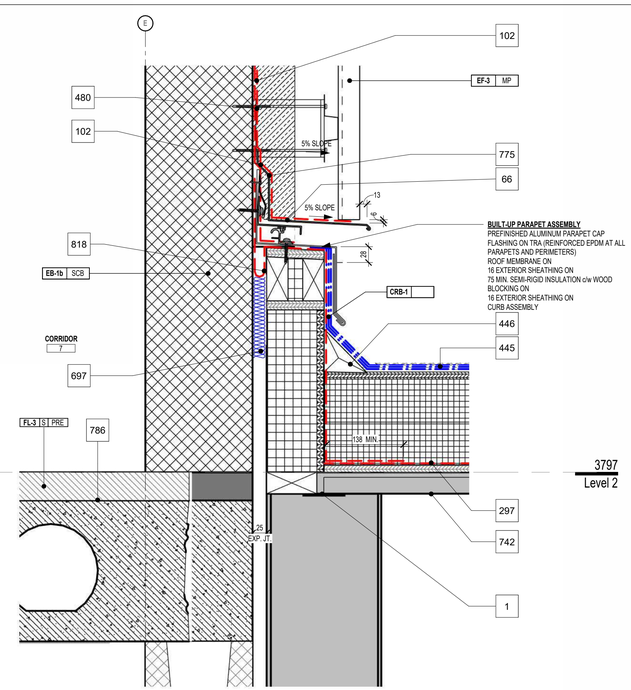
A6.23

Keynote Legend

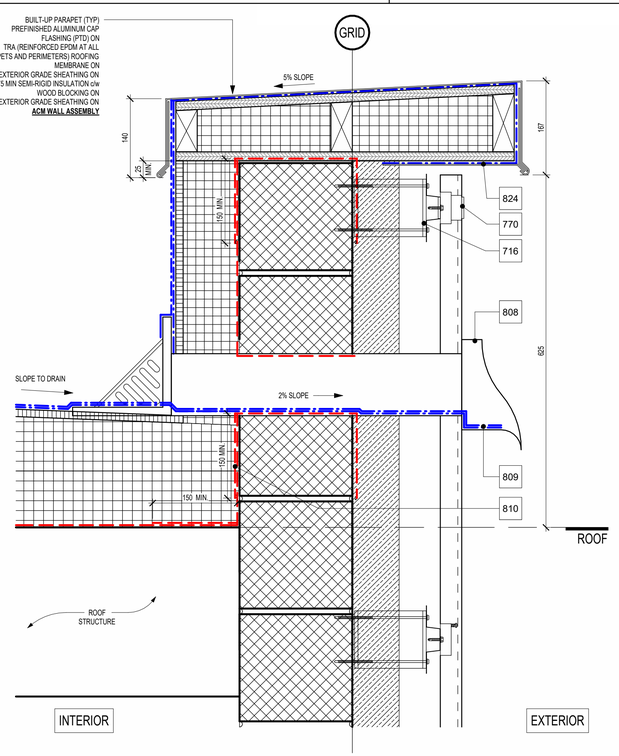
Item	Description
1	REFER TO STRUCTURAL
65	STEEL BEAM (REFER TO STRUCTURAL DRAWINGS).
66	(EEJC-XX) EXPANSION JOINT COVER (SEE SPECIFICATION FOR DETAILS).
67	EXISTING ROOF.
71	STEEL ANGLE ANCHORED TO BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
73	STEEL ANGLE (REFER TO STRUCTURAL DRAWINGS).
77	BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
81	CONT. PERIMETER ANGLE, TYP. (REFER TO STRUCTURAL DRAWINGS).
102	OVERLAP AIR/VAPOUR RETARDER (AVB-1) OVER ALUMINUM FLASHING.
291	PREFINISHED ALUMINUM CAP FLASHING (PTD).
296	AIR VAPOUR BARRIER (AVB-1).
297	POLYETHYLENE VAPOUR BARRIER.
445	OVERLAP LAYERS OF ROOF MEMBRANES w/ EXISTING MEMBRANES 610 MIN.
446	CONT. CANT STRIP, TYP.
480	PROVIDE SPACER TO ALLOW FOR 5% SLOPE AT EXPANSION JOINT COVER.
697	MINERAL WOOL INSULATION.
699	METAL FLASHING.
716	THERMALLY BROKEN CLIP SYSTEM, TYP. MECHANICALLY FASTENED TO CMU BACK-UP WALL.
721	INSULATED STEEL DOOR (PTD).
722	HOLLOW METAL FRAME (PTD) FILL VOID w/ SPF INSULATION.
742	EXISTING STEEL ROOF DECK.
743	EXISTING OWSJ.
746	CAULKING, TYP.
770	FOAM + SEALANT CLOSURE BY CLADDING MANUFACTURER.
775	ALUMINUM COUNTER FLASHING.
786	PRECAST PLANK + TOPPING (REFER TO STRUCTURAL).
791	STEEL STRINGER BEYOND.
792	STEEL PAN SERVICE STAIRS WITH CONCRETE TOPPING STEPS. (REFER TO STAIR DETAIL DRAWINGS FOR THE FULL SCOPE OF WORK).
796	L 127x127x6 STEEL ANGLE w/ 12mm A307 THREADED HIT-V ROD (ANCHOR#2083957 HIT-V 1/2"x6 1//2") w/ HILTI HIT-HY 270 EPOXY AND MIN. 115mm EMBEDMENT AT EACH BRACKET SPACED 300mm o/c MAX. ENSURE SHELF ANGLE IS ANCHORED INTO GROUTED MASONRY
798	PAINTED STEEL STAIR RISER
799	CLIP ANGLE W/ ANCHOR BOLTS SECURES EACH STRINGER TO THE FLOOR STRUCTURE
802	NOTCH STRINGER AT EXTERIOR CMU WALL. (SITE VERIFY)
808	PREFINISHED GALVANIZED SHEET STEEL THRU-WALL SCUPPER (TYP.)
809	EXTEND MODIFIES BITUMEN ROOF OVER BOTTOM SHEET OF SCUPPER
810	EXTEND A/VB UP SHEATHING AND OVERLAP MEMBRANES 150 MIN.
818	EXTEND AIR/VAPOUR RETARDER (AVB-1) INTO EXPANSION JOINT.
824	RETURN FLASHING PAST EXTERIOR FINISH MATERIAL TO COVER PARAPET MEMBRANE (TYPICAL AT ALL LOCATIONS).



SEC. DETAIL AT CUSTODIAL ACCESS DOOR TO LOW ROOF — 4 / A4.04 A6.24 — 1 : 5



SEC. DETAIL - EXPANSION JOINT @ NEW WALL TO EXISTING ROOF — 2 / A6.10 A6.24 — 1 : 5



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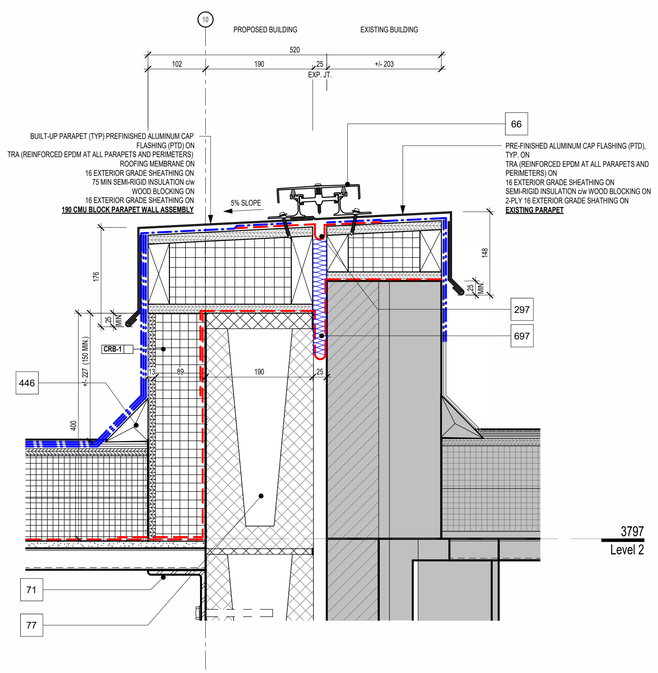
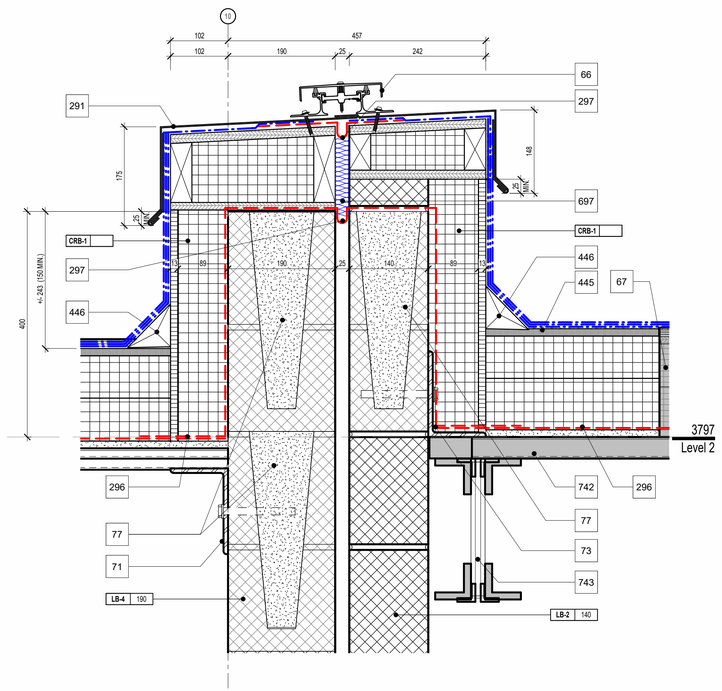


SEC. DETAIL - EXPANSION JOINT NEW WALL TO EXISTING WALL — 3 / A6.10 A6.24 — 1 : 5



SEC. DETAIL - EXPANSION JOINT @ CONNCECTION DOOR — 1 / A6.11 A6.24 — 1 : 5

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EXTERIOR SECTION DETAILS - ROOF

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drawn by:	AH
reviewed by:	GG/CS
job number:	25027
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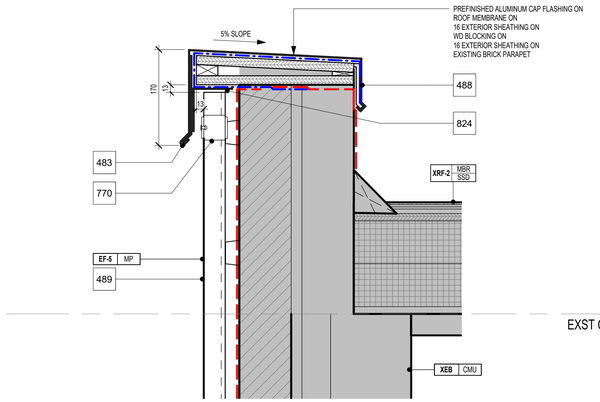
drawing number:

A6.24



6372
EXST Gym Roof

SEC. DETAIL - METAL SIDING ON EXISTING BRICK VENEER

2
A6.10 A6.25
1 : 5

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#	date:	revision:
1	2026.04.24	Issued For Tender

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR SECTION DETAILS - ROOF

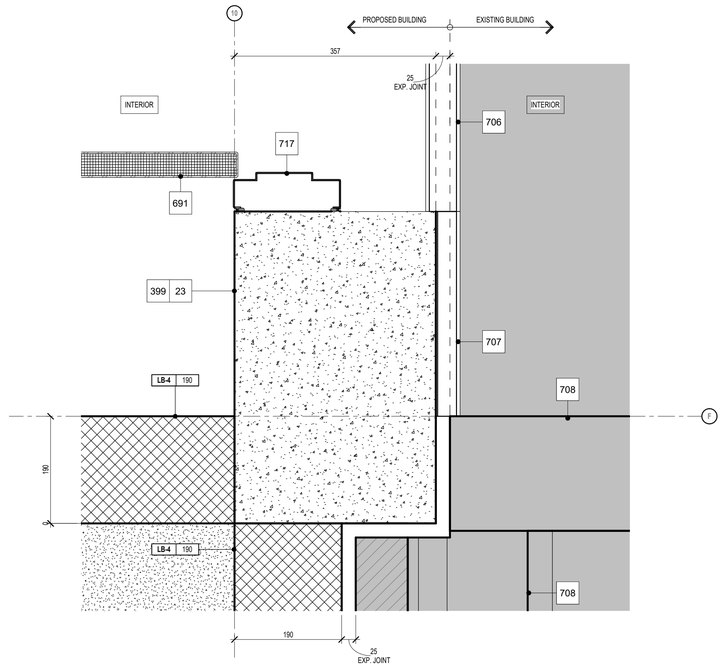
scale:	1 : 5
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:13:36 PM

drawing number:

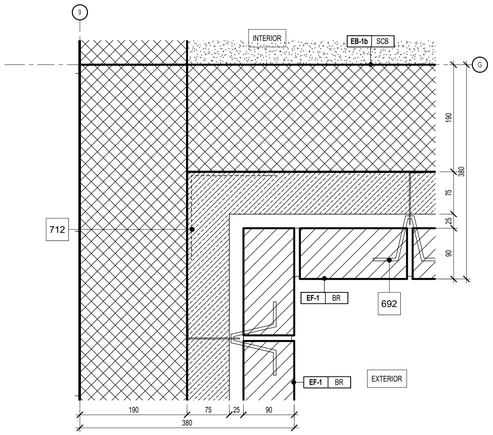
A6.25

Keynote Legend

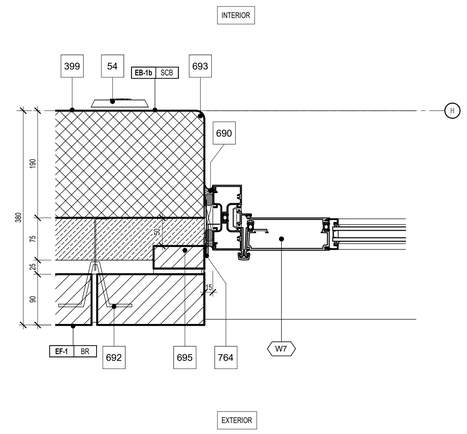
Item	Description
23	CONCRETE PIER (REFER TO STRUCTURAL)
54	PUSH BUTTON DOOR OPERATOR (REFER TO ELECTRICAL)
399	INTERIOR FACE OF CONCRETE WALL TO MEET "ARCHITECTURAL CONCRETE FINISH CSC4" STANDARDS USING ARCHITECTURAL CONCRETE FORMS. (REFER TO STRUCTURAL DWGS/SPECS).
690	CAULK AND BACKER ROD CONT. AROUND DOOR FRAME.
691	INSULATED HOLLOW METAL DOOR.
692	BRICK TIE (SEE SPECIFICATIONS).
693	BULLNOSE BLOCK AND MAKE ENTIRE EDGE AND SURFACE OF EXPOSED BLOCK SMOOTH.
695	RETURN BRICK VENEER.
697	MINERAL WOOL INSULATION.
699	METAL FLASHING.
701	EXTEND AND WRAP AVB 150mm FROM EXPANSION JOINT.
702	EXTERIOR FOAM SEAL.
703	CMU BLOCK TIE FOR DOOR FRAME.
706	FLOOR TO FLOOR EXPANSION JOINT COVER.
707	FLOOR TO WALL EXPANSION JOINT COVER.
708	EXISTING WALL TO REMAIN.
709	THERMALLY BROKEN ALUMINUM CURTAIN WALL FRAME.
712	FLEXIBLE FLASHING, TYPICAL.
713	PROVIDE SPRAYFOAM INSULATION IN VOID OF FRAME.
717	HOLLOW METAL DOOR FRAME (PTD) SEE PLAN + DOOR SCHEDULE
764	OVERLAP A/VB OVER PREFINISHED ALUMINUM FLASHING 150 MIN.
795	ROD + MOISTURE RESISTANT SEALANT
806	ROD + MOISTURE RESISTANT SEALANT c/w 13 COMPRESSIBLE FILLER
812	GALVANIZED ADJUSTABLE L-GIRT TO ALIGN w/ FACE OF BRICK.
813	OVERLAP AIR/VAPOUR RETARDER (AVB-1) OVER ADJUSTABLE GIRT.
814	EXTEND SPF (INS-9) TO JOIN EX. INSULATION.



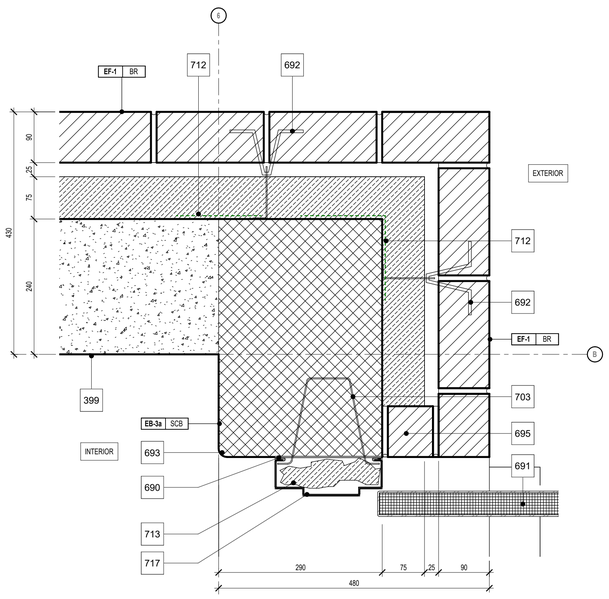
Plan Detail - New Door to New Building Connection **5** A2.10b A6.40 1 : 5



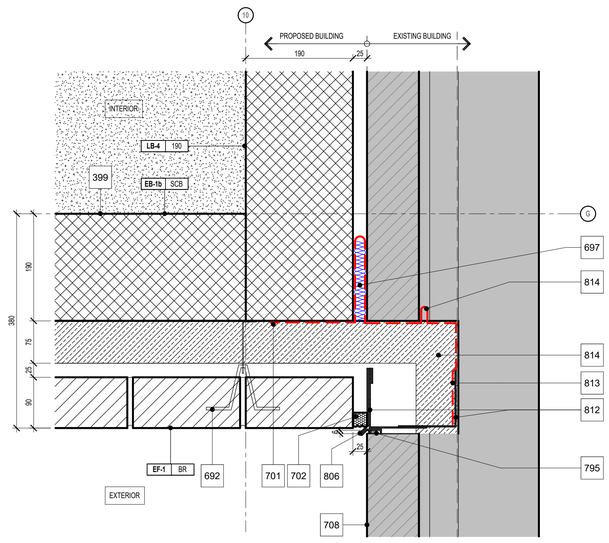
Plan Detail at Brick Corner **3** A2.10b A6.40 1 : 5



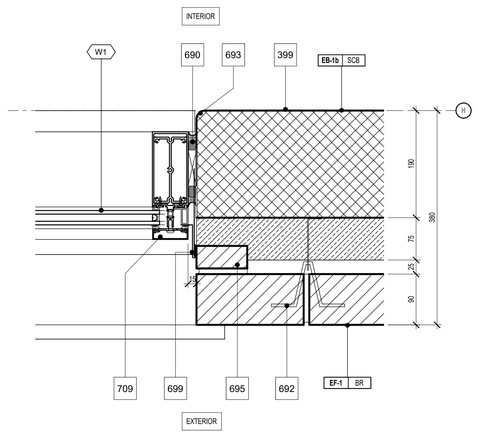
Plan Detail - Typ. Aluminum Door Jamb at MP **2** A4.01 A6.40 1 : 5



Plat Detail at Typical HM Door Jamp **6** A2.10b A6.40 1 : 5



Plan Detail - Existing to New Building Expansion Connection **4** A2.10b A6.40 1 : 5



Plan Detail - Typ Aluminum Window Jamb at Brick **1** A2.10b A6.40 1 : 5

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR PLAN DETAILS - LEVEL 1

scale:	1 : 5
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:13:41 PM

drawing number:

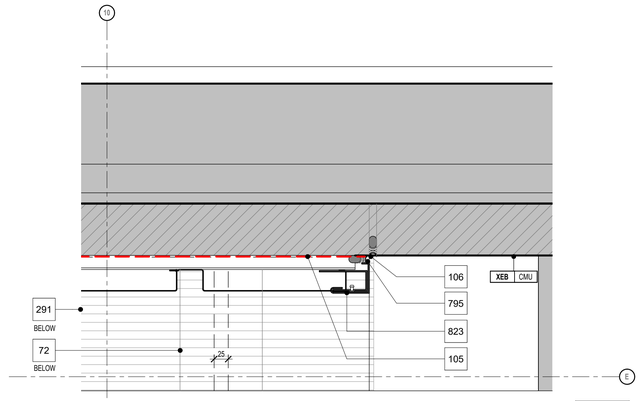
A6.40

Keynote Legend

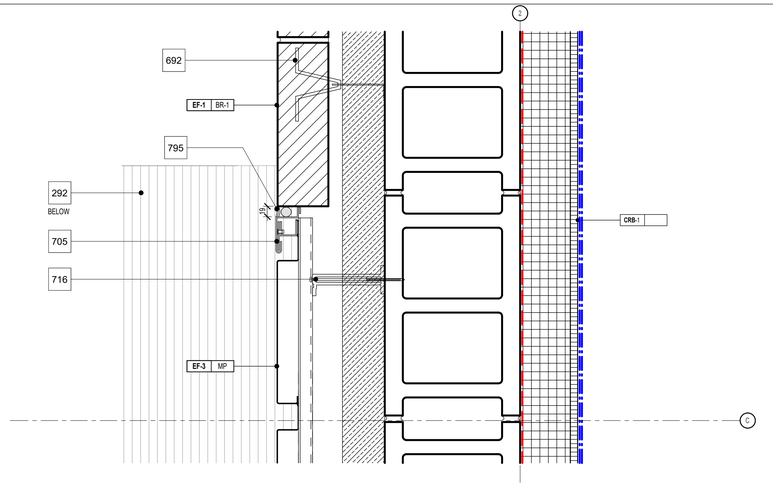
Item	Description
72	EXPANSION JOINT COVER EEJC-XX (SEE SPECIFICATIONS FOR DETAILS).
105	OVERLAP VAPOUR PERMEABLE AIR BARRIER (AVB-2) OVER EXPANSION JOINT MEMBRANE / OVER EXISTING BRICK.
106	GENERAL CONTRACTOR TO ALIGN ON-SITE WITH EXISTING CONTROL JOINT.
291	PREFINISHED ALUMINUM CAP FLASHING (PTD).
292	PREFINISHED ALUMINUM THRU-WALL DRIP FLASHING (PTD).
399	INTERIOR FACE OF CONCRETE WALL TO MEET "ARCHITECTURAL CONCRETE FINISH CSC4" STANDARDS USING ARCHITECTURAL CONCRETE FORMS. (REFER TO STRUCTURAL DWGS/SPECS).
690	CAULK AND BACKER ROD CONT. AROUND DOOR FRAME.
692	BRICK TIE (SEE SPECIFICATIONS).
693	BULLNOSE BLOCK AND MAKE ENTIRE EDGE AND SURFACE OF EXPOSED BLOCK SMOOTH.
697	MINERAL WOOL INSULATION.
698	SOLID SURFACE WINDOW SILL.
699	METAL FLASHING.
701	EXTEND AND WRAP AVB 150mm FROM EXPANSION JOINT.
702	EXTERIOR FOAM SEAL.
704	OUTSIDE CORNER CLOSURE TRIM BY CLADDING MANUFACTURER.
705	END CLOSURE TRIM BY CLADDING MANUFACTURER.
708	EXISTING WALL TO REMAIN.
709	THERMALLY BROKEN ALUMINUM CURTAIN WALL FRAME.
712	FLEXIBLE FLASHING, TYPICAL.

Keynote Legend

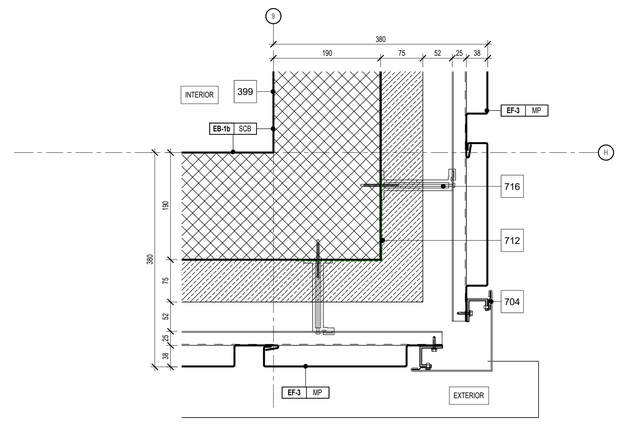
Item	Description
714	ALUMINUM CAP EXTRUSION, SEE CURTAIN WALL SCHEDULE.
715	MOISTURE RESISTANT SEALANT, TYP.
716	THERMALLY BROKEN CLIP SYSTEM, TYP. MECHANICALLY FASTENED TO CMU BACK-UP WALL.
795	ROD + MOISTURE RESISTANT SEALANT
816	PREFINISHED ALUMINUM INSIDE CORNER TRIM BY METAL SIDING MANUFACTURER.
821	AIR/VAPOUR RETARDER (AVB-1) COMPATIBLE SEALANT TRANSITION/CANT.
823	PREFINISHED ALUMINUM TRIM BY METAL CLADDING MANUFACTURER.



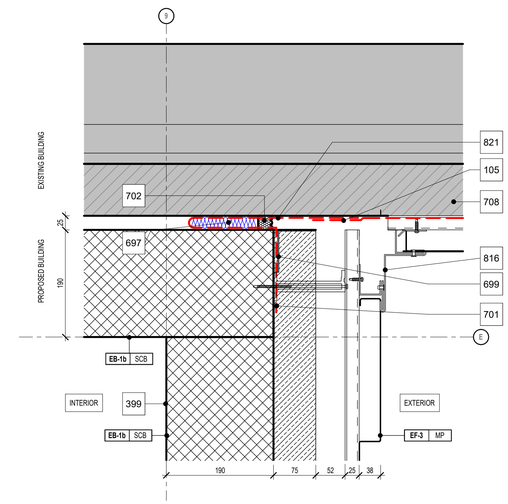
Plan Detail - Metal Panel on Ex. Brick @ Control Joint **6** A2.11 A6.41 1 : 5



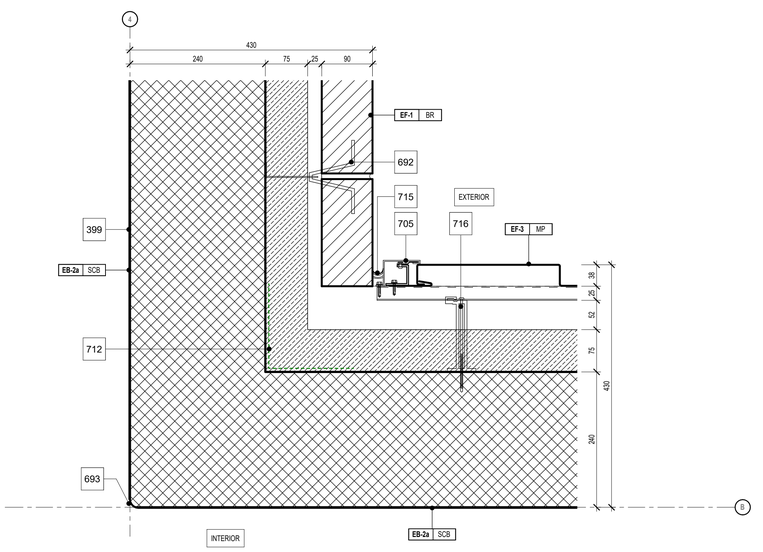
Plan Detail - Metal Panel @ Brick Connection **8** A2.11 A6.41 1 : 5



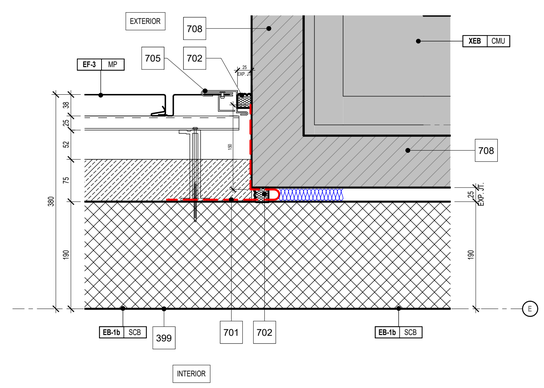
Plan Detail - Metal Panel Corner **5** A2.11 A6.41 1 : 5



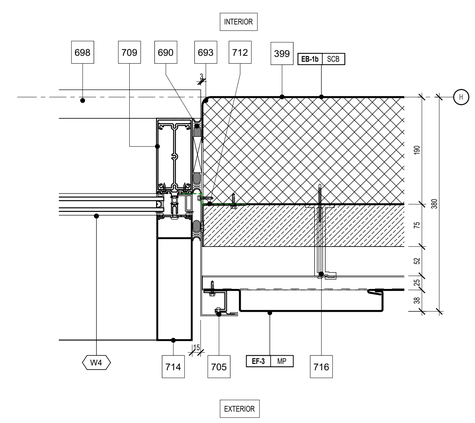
Plan Detail - Metal Panel Inside Corner @ Expansion Joint **2** A2.11 A6.41 1 : 5



Plan Detail - Metal Panel & Brick Transition at Inside Corner **7** A2.11 A6.41 1 : 5



Plan Detail - Connection at Existing / Metal Panel **4** A2.11 A6.41 1 : 5



Typical Aluminum Window Jamb w/ Extension **1** A2.11 A6.41 1 : 5

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#	date:	revision:
7	2026.04.24	Issued For Tender
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3	2025.08.29	90% Client Review
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240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR PLAN DETAILS - LEVEL 2

scale:	1 : 5
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:13:47 PM

drawing number:

A6.41

Room Finish Schedule

Number	Name	Room Area	Floor		Walls				Ceiling		Comments
					Base		Field				
			Material	Finish	Base	Finish	Material	Finish	Material	Finish	
Level 1											
5	CORRIDOR	73.02 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
6	CORRIDOR	108.86 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
6A	COLLAB. SPACE	5.45 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
6B	COLLAB. SPACE	5.45 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
20	VEST	6.76 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	EXG	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
101	ADMIN OFFICE	48.99 m²	CPT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
101A	PRINCIPAL	17.77 m²	CPT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
101B	VP	14.58 m²	CPT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
101C	W/R	5.01 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	MRGB/BLK	CT, PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
101D	W/R	5.11 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	MRGB/BLK	CT, PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
101E	MEETING ROOM	10.71 m²	CPT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
101F	HEALTH	10.61 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
101G	OSR	17.87 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
102	PLANNING TIME	44.98 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
103	CLASSROOM	74.2 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
104	CLASSROOM	74.19 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
105	CLASSROOM	74.2 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFEREFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONSR TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
106	CLASSROOM	74.19 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
107	CLASSROOM	74.2 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
108	CLASSROOM	74.22 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
110	LEARNING COMMONS	231.2 m²	CPT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	GB, EXP	PT	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS, DUCTWORK TO BE PAINTED TO MATCH EXPOSED CEILING
110A	STORAGE	10.79 m²	EXG	REFER TO INTERIOR FINISH PLANS	EXG	EXG	BLK	PT	EXG	EXG	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
110B	EQUIPMENT / IT	10.79 m²	EXG	REFER TO INTERIOR FINISH PLANS	EXG	EXG	BLK	PT	EXG	EXG	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
110C	LIBR. OFFICE	15 m²	CPT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
111	STORAGE	9.5 m²	CPT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
116	W/R	3.52 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	MRGB/BLK	CT, PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
117	STAFF LOUNGE	93.9 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
117A	IT ROOM	3.32 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	EXP	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
118	CONFERENCE ROOM	19.62 m²	CPT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
121	KINDERGARTEN	104.29 m²	SPF	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
121A	W/R	4.52 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	GB/BLK	CT, PT	GB	-	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
122	CLASSROOM	74.22 m²	EXG	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	PAINT NEW PARTITION TO MATCH EXISTING
123	CLASSROOM	74.18 m²	EXG	REFER TO INTERIOR FINISH PLANS	EXG	EXG	BLK	PT	EXG	-	PAINT TOUCHUPS AS REQUIRED TO MATCH EXISTING. REFER TO DEMOLITION DRAWINGS
125	ACAD. STOR.	24.27 m²	CPT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
126	ELEC.	11.03 m²	EPX	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	EXP	PT	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
127	CLASSROOM	70.17 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
128	CLASSROOM	70.17 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
129	CLASSROOM	70.17 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
130	CLASSROOM	70.17 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
131	MECH./ELEC.	19.22 m²	EPX	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	EXP	PT	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
132	W/R	5.1 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	CT, PT	MRGB	PT	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
133	CHANGE RM (BOY)	27.63 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	GB	PT	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
134	GYM A	197.38 m²	SPF	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	CONCC/BLK	PT	EXP	PT	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS, DUCTWORK TO BE PAINTED TO MATCH EXPOSED CEILING
134	GYM B	197.43 m²	SPF	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	CONCC/BLK	PT	EXP	PT	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS, DUCTWORK TO BE PAINTED TO MATCH EXPOSED CEILING
134A	GYM STORAGE	34.8 m²	EPX	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	EXP	PT	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS, DUCTWORK TO BE PAINTED TO MATCH EXPOSED CEILING
134B	SERVERY	10.73 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
134C	RETRACTABLE STAGE	7.01 m²	-	REFER TO INTERIOR FINISH PLANS	-	-	BLK	PT	-	-	REFER TO ENLARGED STAGE PLANS AND DETAILS AND APPROVED SHOP DRAWINGS
135	CHANGE RM (GIRL)	22.87 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	GB	EXG	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
136	W/R	5.1 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	CT, PT	MRGB	PT	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
136	SPRINKLER	13.46 m²	EPX	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	EXP	PT	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
EL1	LULA ELEV.	3.52 m²	-	REFER TO INTERIOR FINISH PLANS	-	-	-	-	-	-	REFER TO ELEVATOR FINISHES AND ELEVATOR SHOP DRAWINGS
STA1	STAIR A	27.77 m²	CT, RB	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	GB	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
STB 1	STAIR B	29.19 m²	CT, RB	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	GB	-	REFER TO INTERIOR FINISH PLANS FOR FINISH LOCATIONS
Level 2											
7	CORRIDOR	89.63 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
201	CLASSROOM	70.17 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
202	CLASSROOM	70.17 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
203	CLASSROOM	70.17 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
204	CLASSROOM	70.17 m²	VCT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
205	CUSTODIAL	12.17 m²	EPX	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	EXP	PT	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
206	UNI W/R	12.01 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	CT, PT	ACT-1	-	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
207	BOY'S W/R	18.47 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK		MRGB	PT	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
208	GIRL'S W/R	26.56 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	CT, PT	MRGB	PT	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
209	STAFF W/R	7.67 m²	CT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	CT, PT	GB	PT	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
210	OFFICE	11.15 m²	CPT	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	ACT-1	-	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
EL2	LULA ELEV.	3.52 m²	-	REFER TO INTERIOR FINISH PLANS	-	-	-	-	-	-	REFER TO ELEVATOR FINISHES AND ELEVATOR SHOP DRAWINGS
STA 2	STAIR A	27.77 m²	CT, RB	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	GB	PT	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS
STB 2	STAIR B	28.17 m²	CT, RB	REFER TO INTERIOR FINISH PLANS	RB	SEE SPECIFICATIONS	BLK	PT	GB	PT	REFER TO INTERIOR FINISHES PLANS FOR FINISH LOCATIONS

ROOM FINISH ABBREVIATIONS			
WALL MATERIAL	**WALL FINISH**	**WALL BASE**	**FLOOR FINISH**
BLK - CONCRETE MASONRY BLOCK	CT - CERAMIC TILE	CT - CERAMIC TILE	CIP - CONCRETE
EXG - EXISTING	PT - PAINT	RB - RESILIENT BASE	CT - CERAMIC TILE
GB - GYPSUM BOARD	EXG - EXISTING		CPT - CARPET TILE
MRGB - MOISTURE RESISTANT GYPSUM BOARD			EPX - EPOXY
			EXG - EXISTING
			RB - RUBBER SHEET
			SPF - SPORTS FLOORING
			VCT - VINYL COMPOSITE TILE
CEILING MATERIAL	**CEILING FINISH**	**NOTES**	
ACT-1 - ACOUSTIC CEILING TILE (2X4)	PT - PAINT		
GB - GYPSYM BOARD			
MRGB - MOISTURE RESISTANT GYPSUM BOARD			
EXG - EXISTING			
EXP - EXPOSED STRUCTURE			

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
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3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ROOM FINISH SCHEDULE

scale: 1 : 1
drawn by: AH
reviewed by: GG/CS
job number: 25027
plot date: 2026-04-24 3:13:51 PM

drawing number:

A7.00

Keynote Legend

Item	Description
397	NEW PLUMBING FIXTURES. (REFER TO MECHANICAL). TYPICAL (UNO).
433	EXISTING RAINWATER LEADER TO REMAIN. GC TO PROTECT DURING CONSTRUCTION.

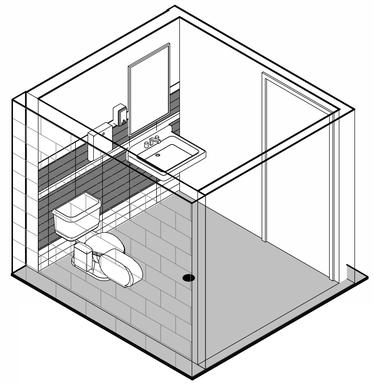
WASHROOM FINISH LEGEND

SYMBOL	PATTERN	FINISH	DESCRIPTION
CT-4			**101.6 X 406.4 mm CERAMIC WALL TILE, PORTOBELLO AMERICA, KREA 2.0** SIDEWALK, GLOSSY W/ LIGHT GREY GROUT INSTALLATION: STACKED
CT-5			**101.6 X 406.4 mm CERAMIC WALL TILE, PORTOBELLO AMERICA, KREA 2.0** STORM, GREY, W/ LIGHT GREY GROUT INSTALLATION: STACKED
TPT			**TOILET PARTITION, 3080G.67P SERIES BY BOBRICK, (96" TALL)** COMPACT GRADE LAMINATE (CGL) (OR APPROVED ALTERNATE) OVERHEAD-BRACED (OB) COLOUR: GRAPHITE GRAFIX 515-58
UPT			**URINAL PARTITION (1041) , FLOOR-TO-CEILING BY BOBRICK, (24" WIDE)** COMPACT GRADE LAMINATE (CGL) (OR APPROVED ALTERNATE) OVERHEAD-BRACED (OB) COLOUR: GRAPHITE GRAFIX 515-58

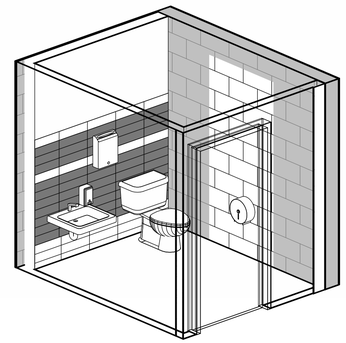
WASHROOM ACCESSORIES LEGEND

CHK-1	COAT HOOK		
ECS-1	EMERGENCY CALL SIGN	SEE ELECTRICAL DRAWINGS	*CSCI
ECB-1	EMERGENCY CALL BUTTON	SEE ELECTRICAL DRAWINGS	*CSCI
GB-1a	GRAB BAR - L-SHAPED	(750mm X 750mm)	*CSCI
GB-1b	GRAB BAR - HORIZONTAL	(610mm)	*CSCI
GB-1c	GRAB BAR - VERTICAL	(610 mm)	*CSCI
HD-1	HAND DRYER	SEE ELECTRICAL DRAWINGS	*CSCI
MI-1	FRAMED FLAT MIRROR	(610mm X 915mm)	*CSCI
PTD-1	PAPER TOWEL DISPENSER	BY OWNER	*OSCI
SD-1	SOAP DISPENSER	BY OWNER	*OSCI
SND-1	SANITARY NAPKIN DISPOSAL	SURFACE MT., BY OWNER	*CSCI
SND-2	SANITARY NAPKING DISPOSAL	TOILET PARTN., BY OWNER	*CSCI
SH-1	STAINLESS STEEL SHELF	(457mm)	*CSCI
TPD-1	TOILET PAPER DISPENSER	SINGLE ROLL, BY OWNER	*OSCI
TPD-2	TOILET PAPER DISPENSER	DOUBLE ROLL, BY OWNER	*OSCI
TPT-1	TOILET PARTITION	METAL, HEADRAIL BRACED	*CSCI
UPT-1	URINAL PARTITION	METAL, FLOOR MOUNTED	*CSCI

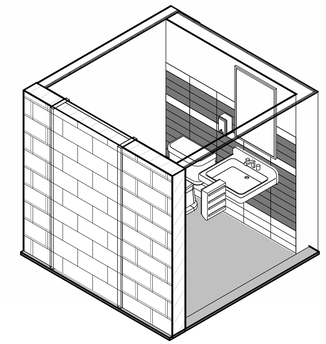
NOTES:
OSCI: OWNER SUPPLIED, CONTRACTOR INSTALLED
CSCI: CONTRACTOR SUPPLIED, CONTRACTOR INSTALLED
REFER TO MECHANICAL FOR PLUMBING FIXTURE & FAUCETS
REFER TO SPECIFICATIONS FOR INFORMATION
REFER TO DETAILS ON SHEET A7.11b FOR TYPICAL MOUNTING LOCATIONS



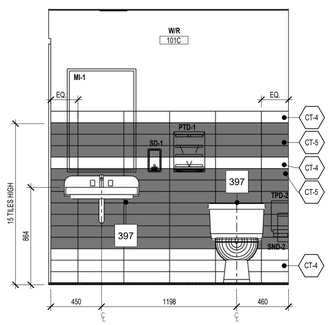
Typical Isometric View - WR 101C & 101D **9** A7.11



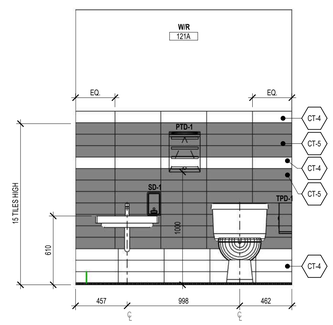
Isometric View - Kindergarten Washroom 120A **6** A7.11



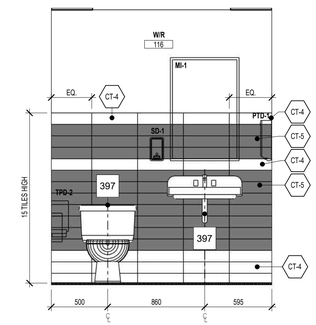
Isometric View - Washroom 124 **3** A7.11



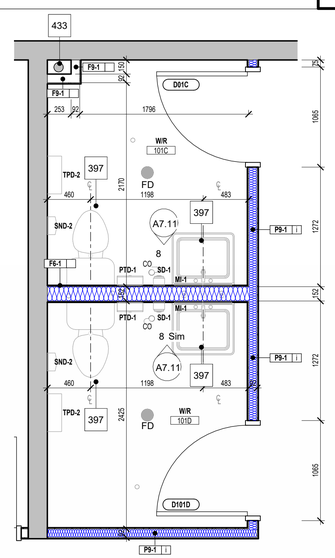
Elevation - Admin Washrooms (Sink Wall) **8** A7.11 A7.11 1 : 25



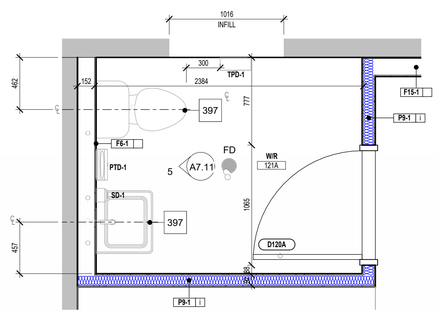
Elevation - Kindergarten WR 120A (Sink Wall) **5** A7.11 A7.11 1 : 25



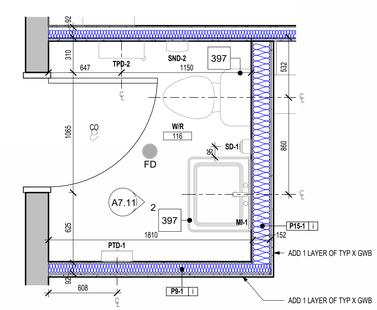
Elevation - Washroom 124 (Sink Wall) **2** A7.11 A7.11 1 : 25



Floor Plan - Washrooms 101C & 101D **7** A2.10a A7.11 1 : 30



Floor Plan - Kindergarten Washroom 120A **4** A7.20 A7.11 1 : 25



Floor Plan - Washroom 124 **1** A2.10a A7.11 1 : 25

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED RENOVATION WR PLANS & ELEVATIONS

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:14:02 PM
drawing number:	**A7.11**

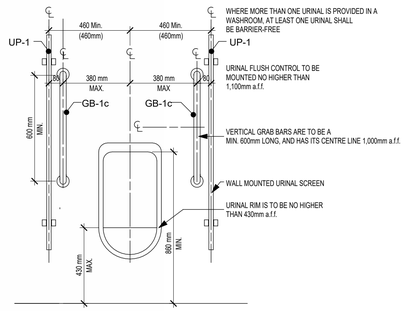
Keynote Legend

Item	Description
397	NEW PLUMBING FIXTURES. (REFER TO MECHANICAL). TYPICAL (UNO).
675	NEW WASHFOUNTAIN c/w PRE-ASSEMBLED PNEUMATICALLY OPERATED SPRAYHEAD MODULE. (BY BRADLEY TERREON, MODEL: MF2944 COLOUR: EMPIRE GRAY OR APPROVED ALTERNATE). GC. TO PROVIDE ADEQUATE SUPPORTS IN WALL AS REQUIRED BY FIXTURE MANUFACTURER (REFER TO MECHANICAL).

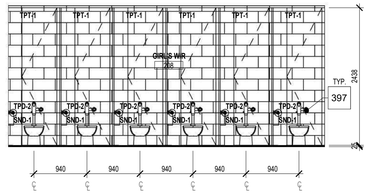
WASHROOM ACCESSORIES LEGEND

CHK-1	COAT HOOK		
ECS-1	EMERGENCY CALL SIGN	SEE ELECTRICAL DRAWINGS	*CSCI
ECB-1	EMERGENCY CALL BUTTON	SEE ELECTRICAL DRAWINGS	*CSCI
GB-1a	GRAB BAR - L-SHAPED	(750mm X 750mm)	*CSCI
GB-1b	GRAB BAR - HORIZONTAL	(610mm)	*CSCI
GB-1c	GRAB BAR - VERTICAL	(610 mm)	*CSCI
HD-1	HAND DRYER	SEE ELECTRICAL DRAWINGS	*CSCI
MI-1	FRAMED FLAT MIRROR	(610mm X 915mm)	*CSCI
PTD-1	PAPER TOWEL DISPENSER	BY OWNER	*OSCI
SD-1	SOAP DISPENSER	BY OWNER	*OSCI
SND-1	SANITARY NAPKIN DISPOSAL	SURFACE MT., BY OWNER	*CSCI
SND-2	SANITARY NAPKING DISPOSAL	TOILET PARTN., BY OWNER	*CSCI
SH-1	STAINLESS STEEL SHELF	(457mm)	*CSCI
TPD-1	TOILET PAPER DISPENSER	SINGLE ROLL, BY OWNER	*OSCI
TPD-2	TOILET PAPER DISPENSER	DOUBLE ROLL, BY OWNER	*OSCI
TPT-1	TOILET PARTITION	METAL, HEADRAIL BRACED	*CSCI
UPT-1	URINAL PARTITION	METAL, FLOOR MOUNTED	*CSCI

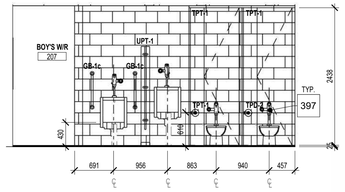
NOTES:
OSCI: OWNER SUPPLIED, CONTRACTOR INSTALLED
CSCI: CONTRACTOR SUPPLIED, CONTRACTOR INSTALLED
REFER TO MECHANICAL FOR PLUMBING FIXTURE & FAUCETS
REFER TO SPECIFICATIONS FOR INFORMATION
REFER TO DETAILS ON SHEET A7.11b FOR TYPICAL MOUNTING LOCATIONS



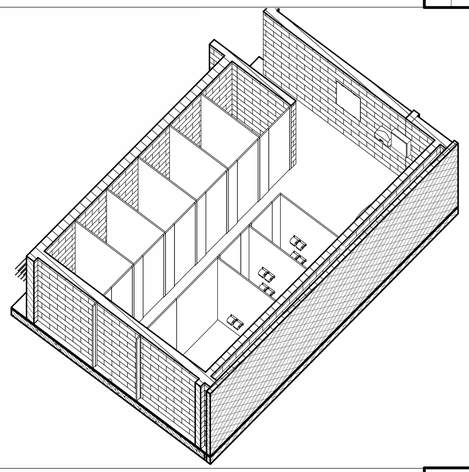
Standard H/C Urinal Front Elevation — 9 / A7.11a — 1 : 16



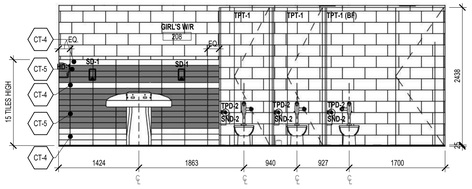
Elevation - Girls WR WCs Wall — 6 / A7.11a A7.11a — 1 : 50



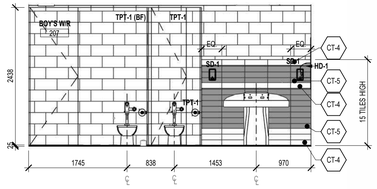
Elevation - Boys WR WCs & Urinals' Wall — 3 / A7.11a A7.11a — 1 : 50



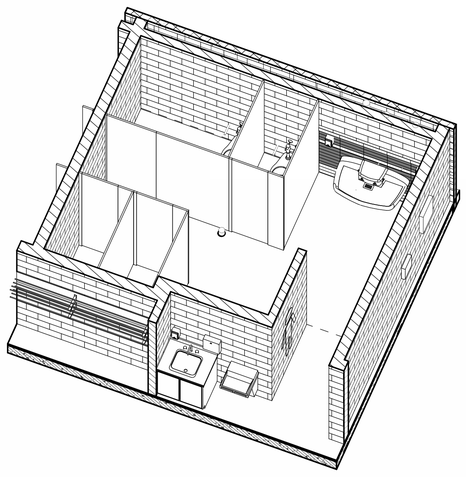
Isometric View - Girls WR — 8 / A7.11a



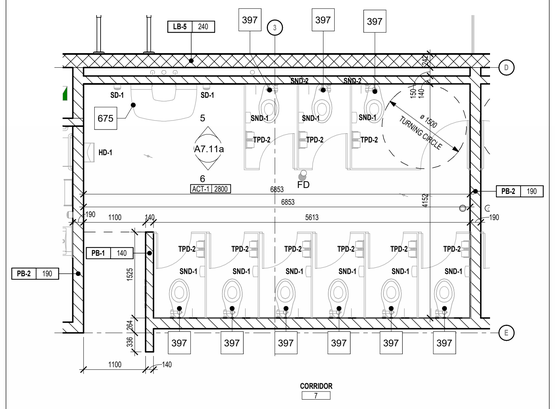
Elevation - Girls WR (Sink Wall) — 5 / A7.11a A7.11a — 1 : 50



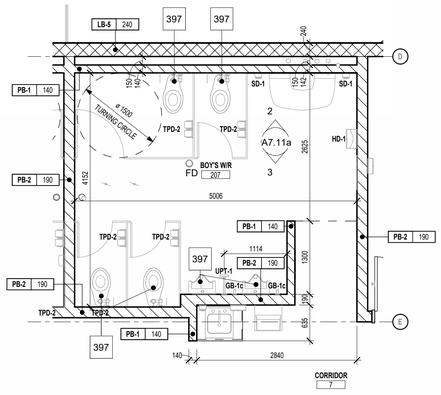
Elevation - Boys WR (Sink Wall) — 2 / A7.11a A7.11a — 1 : 50



Isometric View - Boys WR — 7 / A7.11a



Floor Plan - Girls WR — 4 / A2.11A A7.11a — 1 : 50



Floor Plan - Boys WR — 1 / A2.11A A7.11a — 1 : 50

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED ADDITION WR PLANS & ELEVATIONS - LEVEL 2

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:14:13 PM
drawing number:	**A7.11a**

Keynote Legend

Item	Description
54	PUSH BUTTON DOOR OPERATOR (REFER TO ELECTRICAL)
397	NEW PLUMBING FIXTURES. (REFER TO MECHANICAL). TYPICAL (UNO).
793	PUSH TO LOCK BUTTON (REFER TO ELECTRICAL)

WASHROOM ACCESSORIES LEGEND

CHK-1	COAT HOOK		
ECS-1	EMERGENCY CALL SIGN	SEE ELECTRICAL DRAWINGS	*CSCI
ECB-1	EMERGENCY CALL BUTTON	SEE ELECTRICAL DRAWINGS	*CSCI
GB-1a	GRAB BAR - L-SHAPED	(750mm X 750mm)	*CSCI
GB-1b	GRAB BAR - HORIZONTAL	(610mm)	*CSCI
GB-1c	GRAB BAR - VERTICAL	(610 mm)	*CSCI
HD-1	HAND DRYER	SEE ELECTRICAL DRAWINGS	*CSCI
MI-1	FRAMED FLAT MIRROR	(610mm X 915mm)	*CSCI
PTD-1	PAPER TOWEL DISPENSER	BY OWNER	*OSCI
SD-1	SOAP DISPENSER	BY OWNER	*OSCI
SND-1	SANITARY NAPKIN DISPOSAL	SURFACE MT., BY OWNER	*CSCI
SND-2	SANITARY NAPKIN DISPOSAL	TOILET PARTN., BY OWNER	*CSCI
SH-1	STAINLESS STEEL SHELF	(457mm)	*CSCI
TPD-1	TOILET PAPER DISPENSER	SINGLE ROLL, BY OWNER	*OSCI
TPD-2	TOILET PAPER DISPENSER	DOUBLE ROLL, BY OWNER	*OSCI
TPT-1	TOILET PARTITION	METAL, HEADRAIL BRACED	*CSCI
UPT-1	URINAL PARTITION	METAL, FLOOR MOUNTED	*CSCI

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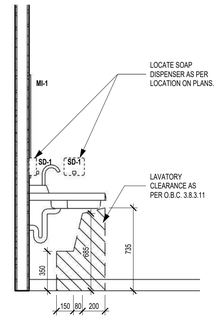
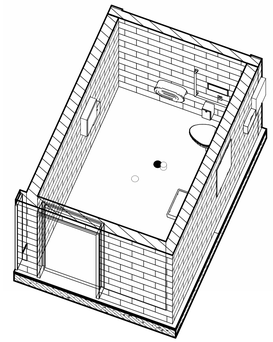
CSCI: CONTRACTOR SUPPLIED, CONTRACTOR INSTALLED
REFER TO MECHANICAL FOR PLUMBING FIXTURE & FAUCETS
REFER TO SPECIFICATIONS FOR INFORMATION
REFER TO DETAILS ON SHEET A7.11b FOR TYPICAL MOUNTING LOCATIONS

Accessible Clearances Legend

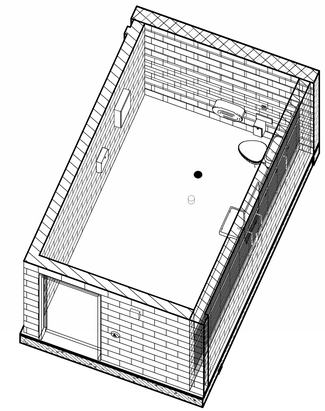
Symbol	Accessible Clearances
	CLEAR TRANSFER SPACE 4'-11" DEEP x 2'- 11 3/8" WIDE
	CLEAR SPACE FOR ADULT CHANGE TABLE 2'-8" DEEP x 6'-0" WIDE
	FRONT LAVATORY APPROACH CLEARANCE 4'-6" DEEP x 3'-0 1/4" WIDE



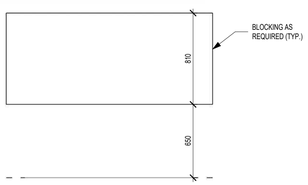
TYPICAL BARRIER-FREE LAVATORY **9** A7.11b 1 : 25



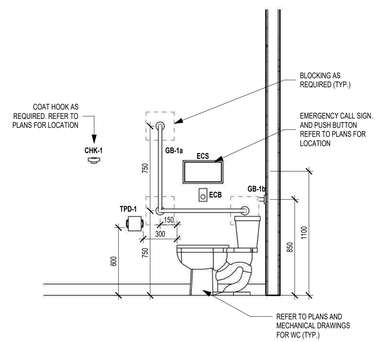
Level 2 Staff WR Isometric **6** A7.11b



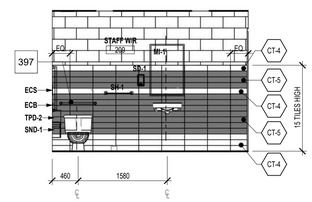
Isometric View - Universal WR **3** A7.11b



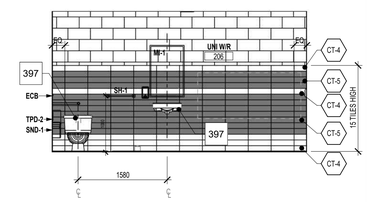
ADULT CHANGE TABLE ELEVATION **11** A7.11b 1 : 25



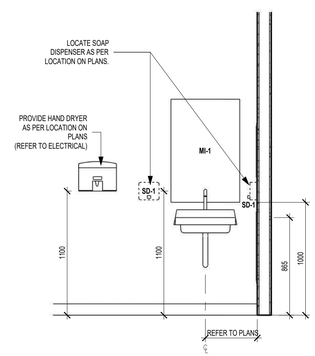
TYPICAL BARRIER-FREE W/C **8** A7.11b 1 : 25



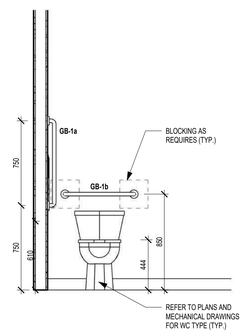
Elevation - Staff WR **5** A7.11b A7.11b 1 : 50



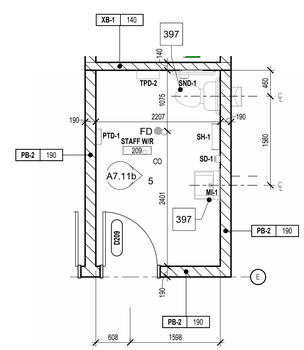
Elevation - Universal WR **2** A7.11b A7.11b 1 : 50



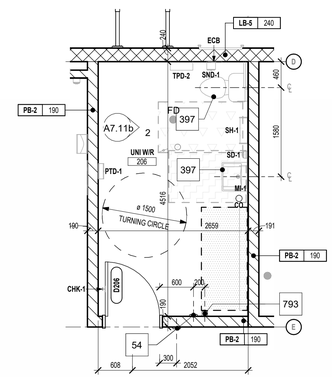
TYPICAL BARRIER-FREE LAVATORY **10** A7.11b 1 : 25



TYP. BARRIER-FREE W/C **7** A7.11b 1 : 25



Floor Plan - Level 2 Staff WR **4** A2.11b A7.11b 1 : 50



Floor Plan - Level 2 Universal WR **1** A2.11b A7.11b 1 : 50

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#	date:	revision:
8	2026.04.24	Issued For Tender
7	2025.11.14	CoA Permit Comments
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED ADDITION WR PLANS & ELEVATIONS - LEVEL 2

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:14:23 PM
drawing number:	**A7.11b**

Keynote Legend

Item	Description
54	PUSH BUTTON DOOR OPERATOR (REFER TO ELECTRICAL)
397	NEW PLUMBING FIXTURES. (REFER TO MECHANICAL). TYPICAL (UNO).
793	PUSH TO LOCK BUTTON (REFER TO ELECTRICAL)

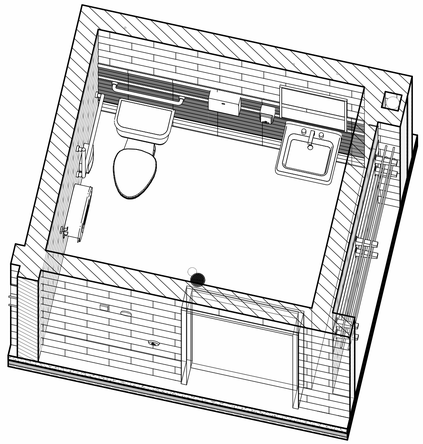
WASHROOM ACCESSORIES LEGEND

CHK-1	COAT HOOK		
ECS-1	EMERGENCY CALL SIGN	SEE ELECTRICAL DRAWINGS	*CSCI
ECB-1	EMERGENCY CALL BUTTON	SEE ELECTRICAL DRAWINGS	*CSCI
GB-1a	GRAB BAR - L-SHAPED	(750mm X 750mm)	*CSCI
GB-1b	GRAB BAR - HORIZONTAL	(610mm)	*CSCI
GB-1c	GRAB BAR - VERTICAL	(610 mm)	*CSCI
HD-1	HAND DRYER	SEE ELECTRICAL DRAWINGS	*CSCI
MI-1	FRAMED FLAT MIRROR	(610mm X 915mm)	*CSCI
PTD-1	PAPER TOWEL DISPENSER	BY OWNER	*OSCI
SD-1	SOAP DISPENSER	BY OWNER	*OSCI
SND-1	SANITARY NAPKIN DISPOSAL	SURFACE MT., BY OWNER	*CSCI
SND-2	SANITARY NAPKING DISPOSAL	TOILET PARTN., BY OWNER	*CSCI
SH-1	STAINLESS STEEL SHELF	(457mm)	*CSCI
TPD-1	TOILET PAPER DISPENSER	SINGLE ROLL, BY OWNER	*OSCI
TPD-2	TOILET PAPER DISPENSER	DOUBLE ROLL, BY OWNER	*OSCI
TPT-1	TOILET PARTITION	METAL, HEADRAIL BRACED	*CSCI
UPT-1	URINAL PARTITION	METAL, FLOOR MOUNTED	*CSCI

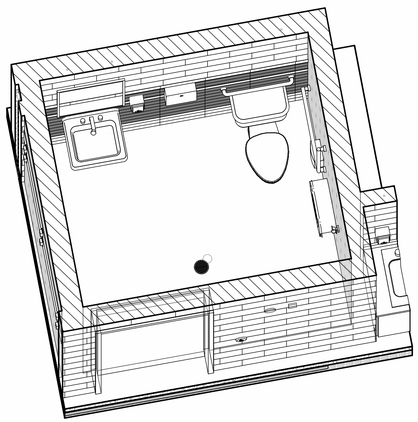
NOTES:
OSCI: OWNER SUPPLIED, CONTRACTOR INSTALLED
CSCI: CONTRACTOR SUPPLIED, CONTRACTOR INSTALLED
REFER TO MECHANICAL FOR PLUMBING FIXTURE & FAUCETS
REFER TO SPECIFICATIONS FOR INFORMATION
REFER TO DETAILS ON SHEET A7.11b FOR TYPICAL MOUNTING LOCATIONS

Accessible Clearances Legend

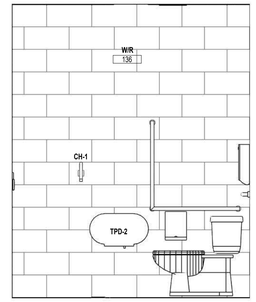
Symbol	Accessible Clearances
	CLEAR TRANSFER SPACE 4'-11" DEEP x 2'- 11 3/8" WIDE
	CLEAR SPACE FOR ADULT CHANGE TABLE 2'-8" DEEP x 6'-0" WIDE
	FRONT LAVATORY APPROACH CLEARANCE 4'-6" DEEP x 3'-0 1/4" WIDE



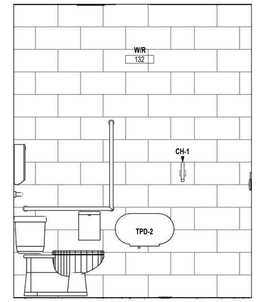
Isometric View - W/R 133 **8** A7.11c



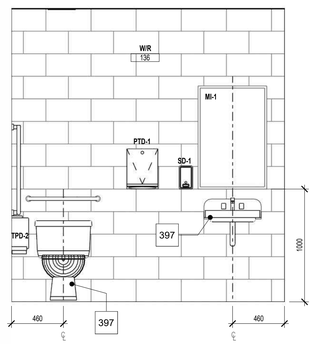
Isometric View - W/R 131 **7** A7.11c



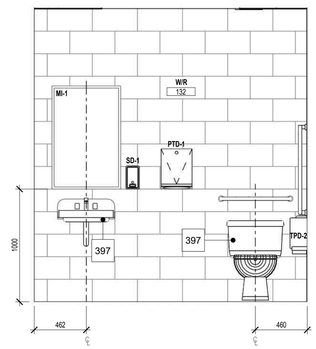
Elevation - W/R 133 **6** A7.11c A7.11c 1 : 25



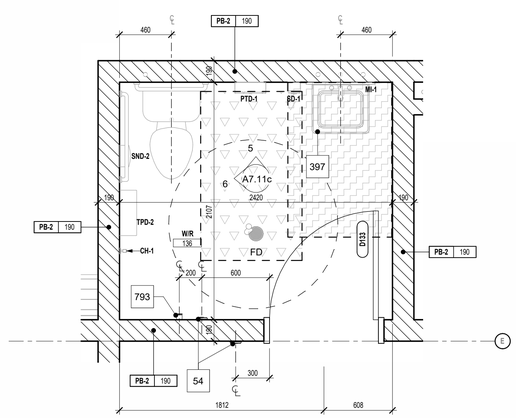
Elevation - W/R 131 **3** A7.11c A7.11c 1 : 25



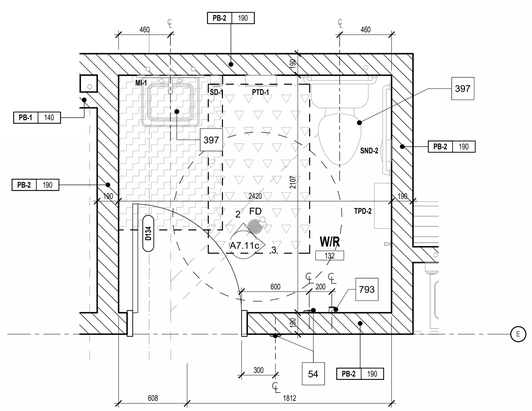
Elevation - W/R 133 **5** A7.11c A7.11c 1 : 25



Elevation - W/R 131 **2** A7.11c A7.11c 1 : 25



Floor Plan - Level 1 W/R 133 **4** A2.10b A7.11c 1 : 25



Floor Plan - Level 1 W/R 131 **1** A2.10b A7.11c 1 : 25

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#	date:	revision:
9	2026.04.24	Issued For Tender
8	2026.04.23	Permit Revisions
7	2026.01.29	Permit/SPA Revisions
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

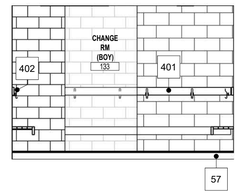
ENLARGED ADDITION WR PLANS & ELEVATIONS - LEVEL 2

PN TN

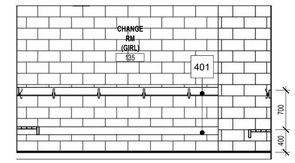
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:14:32 PM
drawing number:	**A7.11c**

Keynote Legend

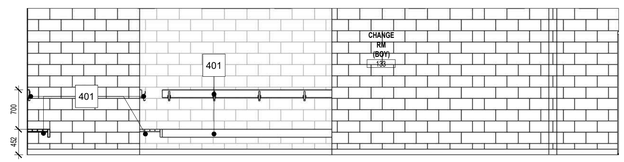
Item	Description
57	FLOOR BASE REFER TO FINISH SCHEDULE
401	NEW WOOD BENCH AND COAT HOOKS WITH BRACKETS SPACED A MAXIMUM OF 1,000mm, COAT HOOKS SPACING @ 800mm MOUNTED ON CONTINUOUS SOLID MAPLE WITH EASED EDGES (TYPICAL) (REFER TO SPECIFICATIONS).
402	COAT HOOKS WITH SPACING @ 800mm MOUNTED ON CONTINUOUS 38mm X 140mm SOLID MAPLE WITH EASED EDGES ANCHORED TO CONC. BLOCK WALL (TYPICAL) (REFER TO SPECIFICATIONS).



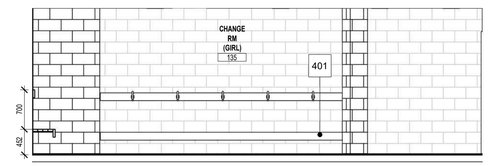
East Interior Elevation Change Rm (Boy) **8** A4.04 A7.12 1 : 50



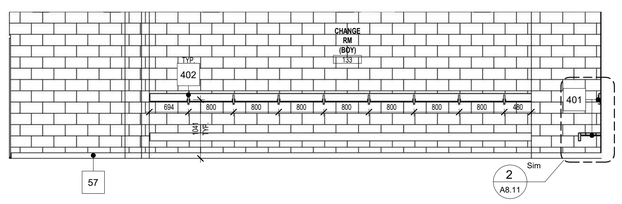
West Interior Elevation Change Rm (Girl) **4** A7.12 A7.12 1 : 50



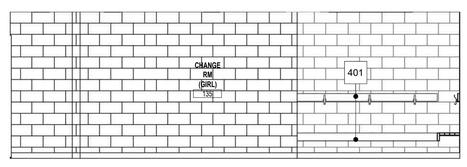
South Interior Elevation Change Rm (Boy) **7** A4.04 A7.12 1 : 50



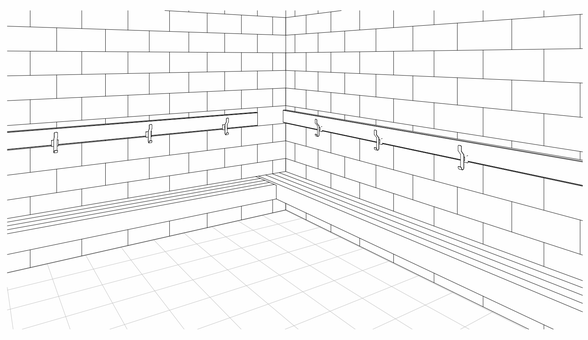
North Interior Elevation Change Rm (Girl) **3** A7.12 A7.12 1 : 50



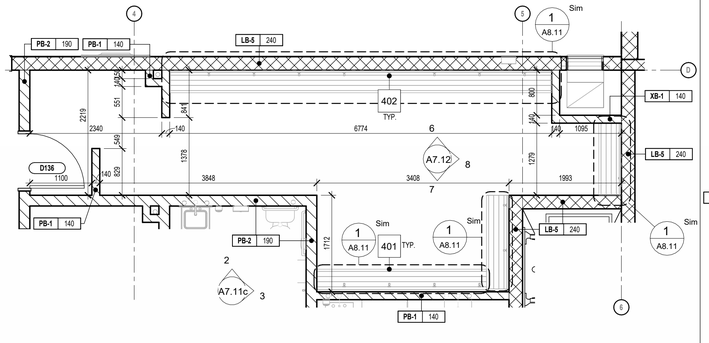
North Interior Elevation Change Rm (Boy) **6** A4.04 A7.12 1 : 50



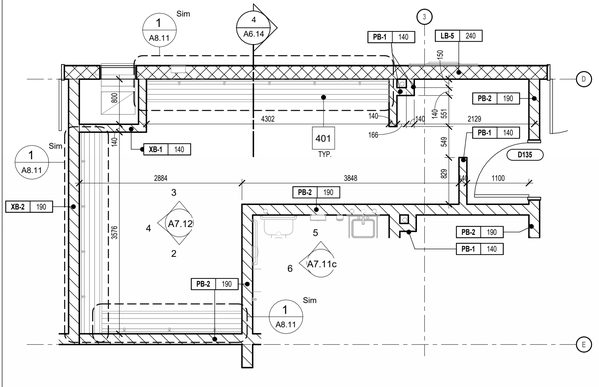
South Interior Elevation Change Rm (Girl) **2** A7.12 A7.12 1 : 50



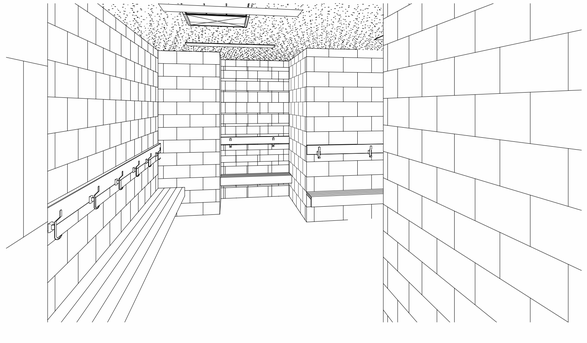
South Interior Isometric View - Change Rm (Girls) **10** A7.12



Enlarged Floor Plan - Change Rm (Boy) **5** A2.10b A7.12 1 : 50



Enlarged Floor Plan - Change Rm (Girl) **1** A2.10b A7.12 1 : 50



East Interior Isometric View - Change Rm (Boys) **9** A7.12

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED PLANS & ELEVATIONS - CHANGE ROOMS

PN TN

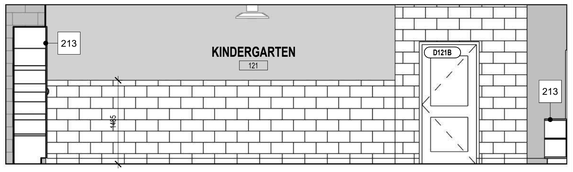
scale:	1 : 50
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:14:49 PM

drawing number:

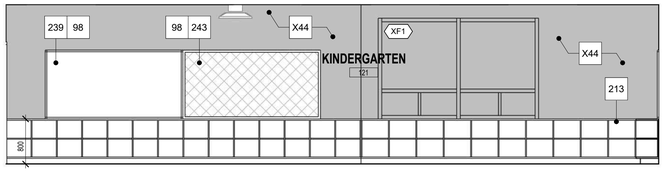
A7.12

Keynote Legend

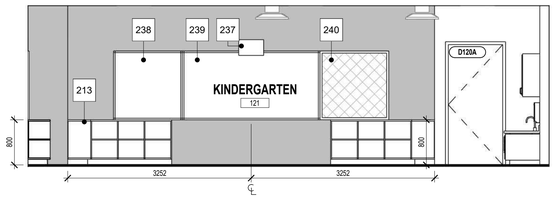
Item	Description
98	GC TO MATCH MOUNTING HEIGHTS OF EXISTING ADJACENT ROOMS, INCLUDING LOWER HEIGHT MOUNTING OF ALL WHITE/TAC BOARD AND BRIGHTLINKS ETC. (GC TO COORDINATE WITH WCDSB BEFORE INSTALLATION).
213	MILLWORK (REFER TO MILLWORK SHEETS)
236	CONTROL PANEL. (REFER TO ELECTRICAL AND SPECIFICATIONS)
237	BRIGHTLINK VIDEO PROJECTOR (NIC). (GC TO COORDINATE INSTALLATION AND LOCATION ABOVE WHITEBOARD WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS).
238	1220 X 1220 WHITEBOARD.
239	2440 X 1220 WHITEBOARD.
240	1220 X 1220 TACKBOARD.
243	2440 X 1220 TACKBOARD.
250	CONCRETE BLOCK C/W BULL NOSE EDGE
401	NEW WOOD BENCH AND COAT HOOKS WITH BRACKETS SPACED A MAXIMUM OF 1,000mm, COAT HOOKS SPACING @ 800mm MOUNTED ON CONTINUOUS SOLID MAPLE WITH EASED EDGES (TYPICAL) (REFER TO SPECIFICATIONS).
404	GENERAL CONTRACTOR TO INFILL EXISTING OPENING WITH CMU TO MATCH EXISTING AND PAINT TO MATCH ADJACENT FINISHES.
X18	REMOVE AND DISPOSE OF PROPERLY EXISTING WALL BASE. MAKE WALL READY TO RECEIVE NEW BASE
X44	EXISTING CMU WALL TO REMAIN. GENERAL CONTRACTOR TO PROTECT DURING DEMOLITION/CONSTRUCTION. GC TO PATCH/REPAIR, MAKE GOOD FOR CERAMIC TILE INSTALLATION



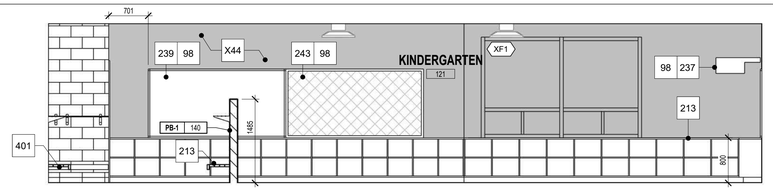
East Interior Elevation - Kindergarten **8** A7.20 A7.20 1 : 50



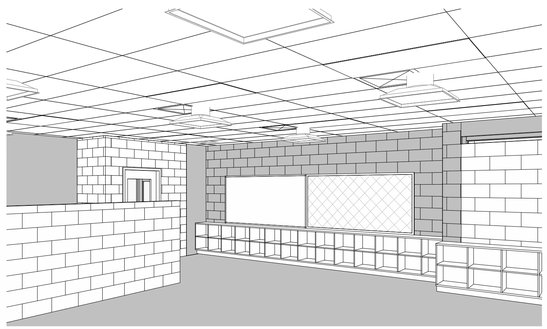
South Interior Elevation - Kindergarten **4** A7.20 A7.20 1 : 50



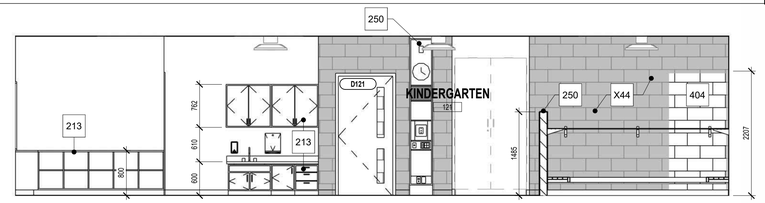
West Interior Elevation - Kindergarten **7** A7.20 A7.20 1 : 50



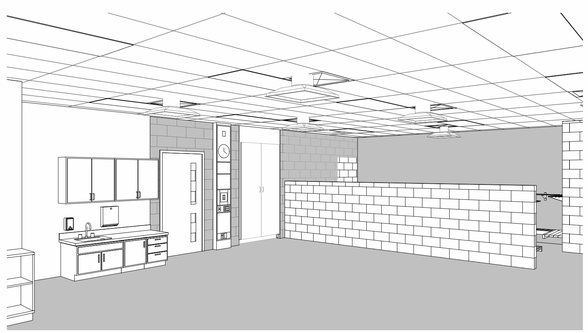
South Interior Elevation - Kindergarten **3** A7.20 A7.20 1 : 50



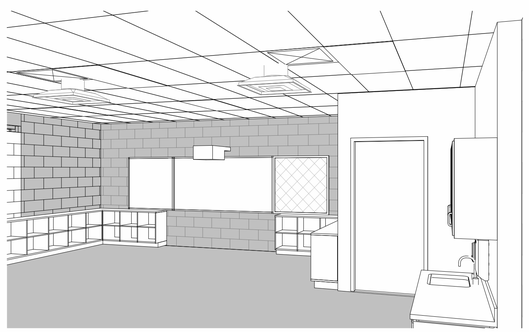
South Interior Isometric View - Kindergarten **6** A7.20



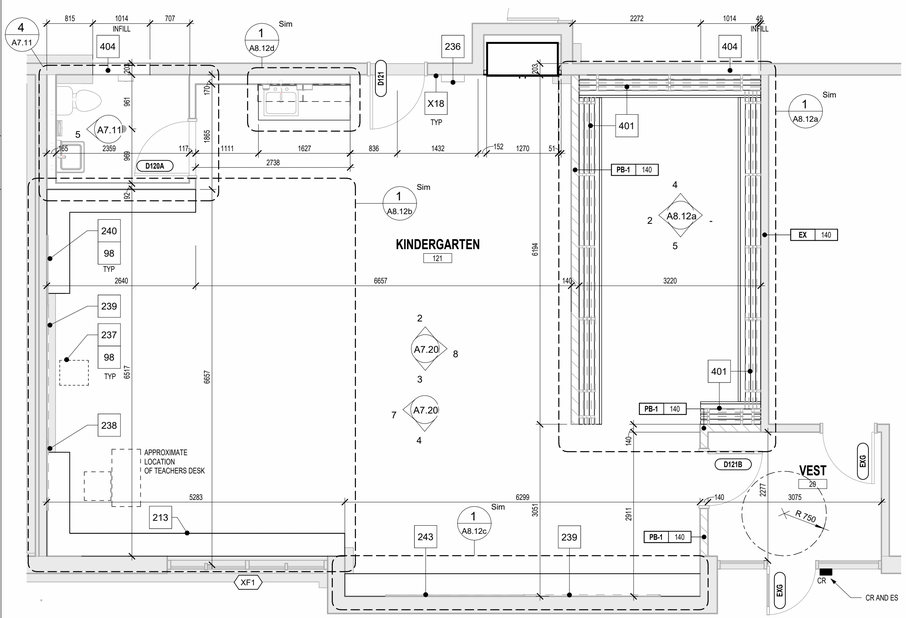
North Interior Elevation - Kindergarten **2** A7.20 A7.20 1 : 50



North Interior Isometric View - Kindergarten **9** A7.20



West Interior Isometric View - Kindergarten **5** A7.20



Enlarged Floor Plan - Kindergarten **1** A2.10a A7.20 1 : 50

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#	date:	revision:
8	2026.04.24	Issued For Tender
7	2025.11.14	CoK Permit Comments
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED PLANS & INTERIOR ELEVATIONS - KINDERGARTEN

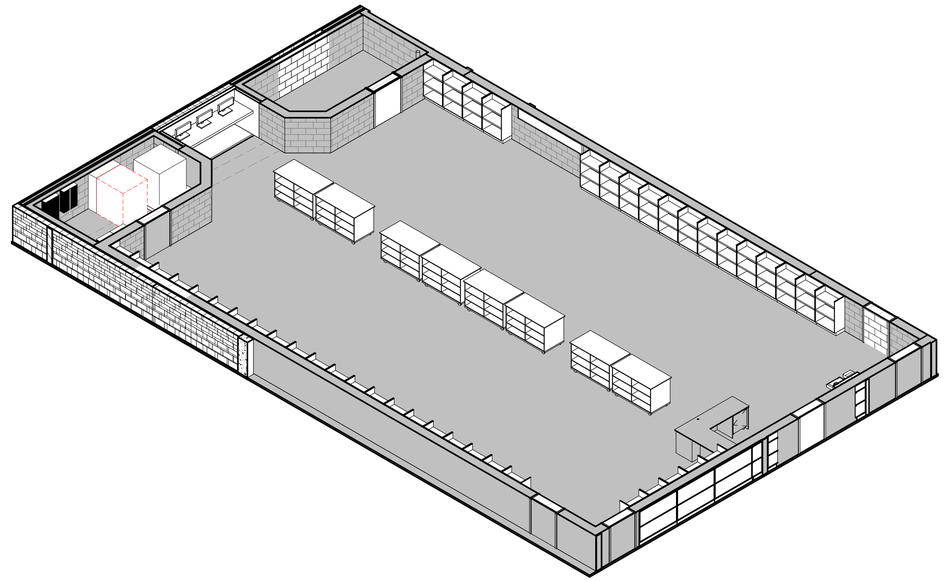
scale:	1 : 50
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:15:06 PM

drawing number:

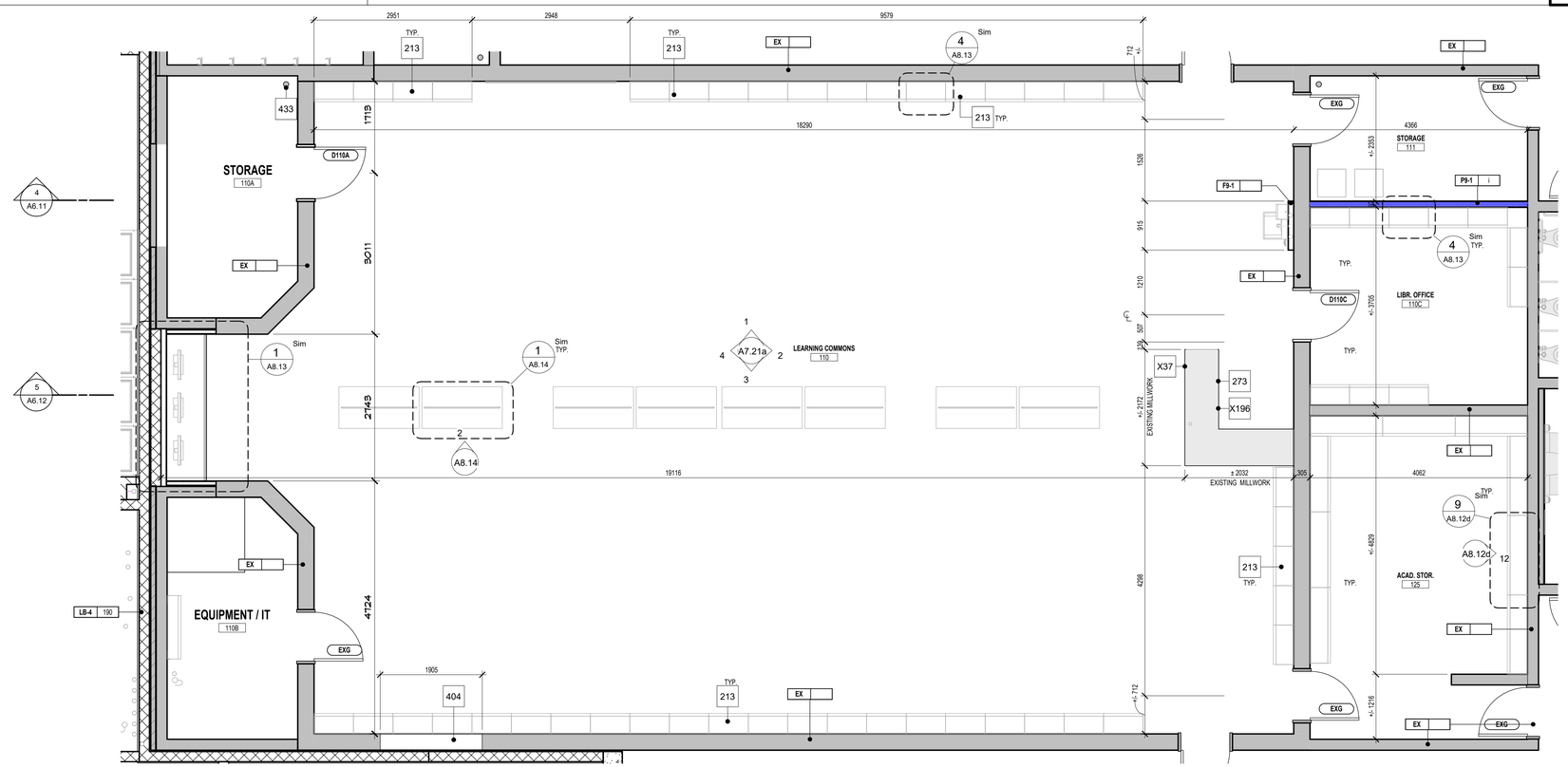
A7.20

Keynote Legend

Item	Description
213	MILLWORK (REFER TO MILLWORK SHEETS)
273	NEW SOLID SURFACE COUNTERTOP. (S-1), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
404	GENERAL CONTRACTOR TO INFILL EXISTING OPENING WITH CMU TO MATCH EXISTING AND PAINT TO MATCH ADJACENT FINISHES.
433	EXISTING RAINWATER LEADER TO REMAIN. GC TO PROTECT DURING CONSTRUCTION.
X37	GC TO PREPARE EXISTING MILLWORK TO RECEIVE NEW RUBBER BASE (TYPICAL AT ALL LOCATIONS RECEIVING NEW FLOORING).
X196	GC TO REMOVE AND DISPOSE OF EXISTING PLAM COUNTERTOP AND REPLACE WITH NEW. EXISTING DESK AND BOOK CART TO BE REMOVED CAREFULLY, STORED, AND SECURED BY GC UNTIL COMPLETION OF RENOVATION. INSTALLATION AT NEW LOCATION BY GC WHEN APPROPRIATE, SALVAGEABLE MATERIALS TO BE CARRIED FOR REPLACEMENT BY GC AS NECESSARY.



Isometric View of Learning Commons **2** A7.21



Enlarged Floor Plan - Learning Commons **1** A2.10a A7.21 1 : 50

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7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
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2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED PLANS & INTERIOR ELEVATIONS - LEARNING COMMONS

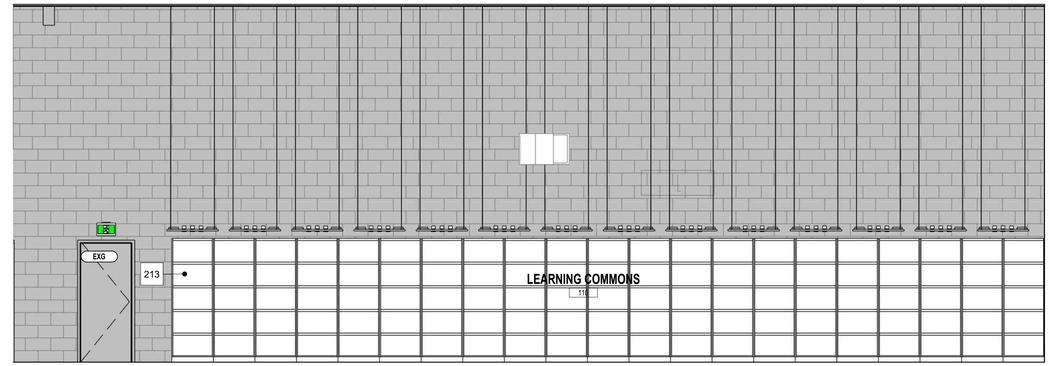
PN TN

scale:	1 : 50
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:15:10 PM

drawing number:

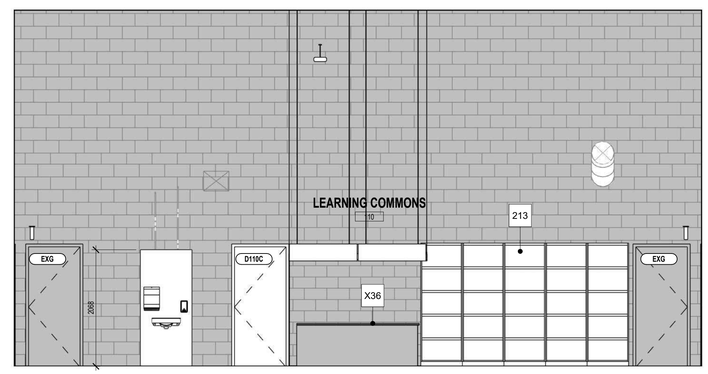
A7.21

West Interior Isometric View - Learning Commons **6** A7.21a

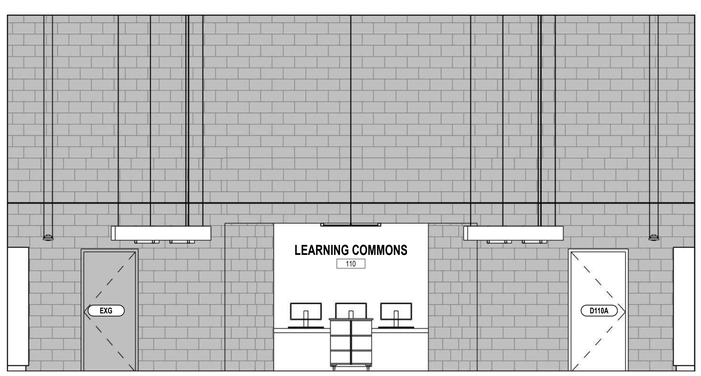


South Interior Elevation - Learning Commons **3** A7.21a A7.21a 1 : 50

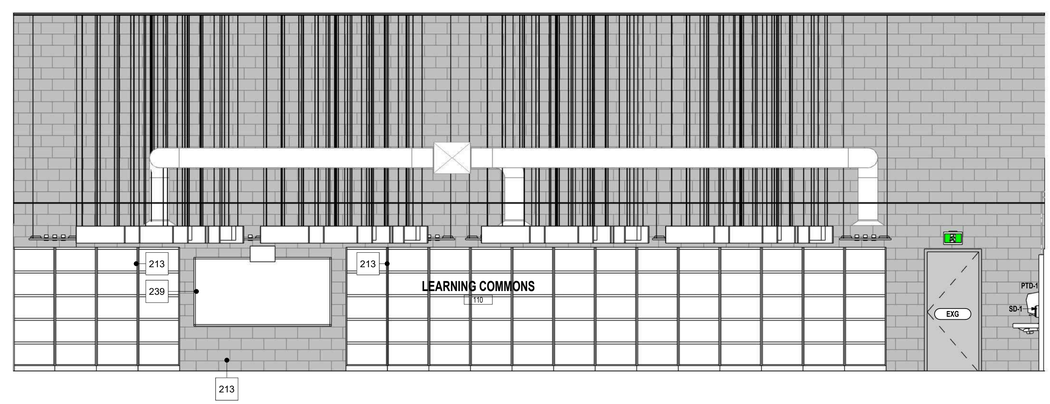
East Interior Isometric View - Learning Commons **5** A7.21a



East Interior Elevation - Learning Commons **2** A7.21a A7.21a 1 : 50



West Interior Elevation - Learning Commons **4** A7.21a A7.21a 1 : 50



North Interior Elevation - Learning Commons **1** A7.21a A7.21a 1 : 50

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED PLANS & INTERIOR ELEVATIONS - LEARNING COMMONS

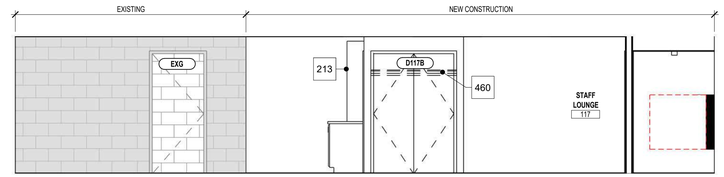
scale:	1 : 50
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:15:25 PM

drawing number:

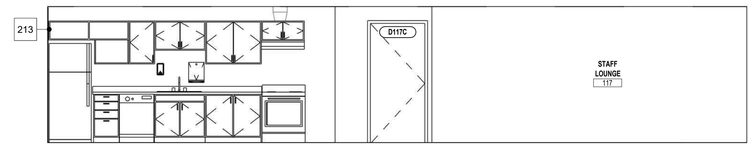
A7.21a

Keynote Legend

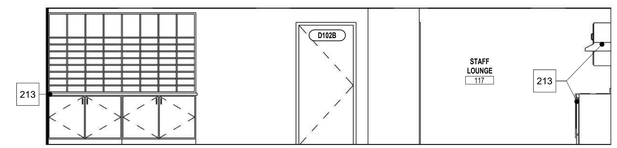
Item	Description
213	MILLWORK (REFER TO MILLWORK SHEETS)
404	GENERAL CONTRACTOR TO INFILL EXISTING OPENING WITH CMU TO MATCH EXISTING AND PAINT TO MATCH ADJACENT FINISHES.
460	HEAVY DUTY CLOSET ROD AND SHELF c/w ALL SUPORT HARDWARE.
X184	EXISTING IT CABINET. GC TO PROTECT EXISTING INFRASTRUCTURE DURING DEMOLITION/CONSTRUCTION.



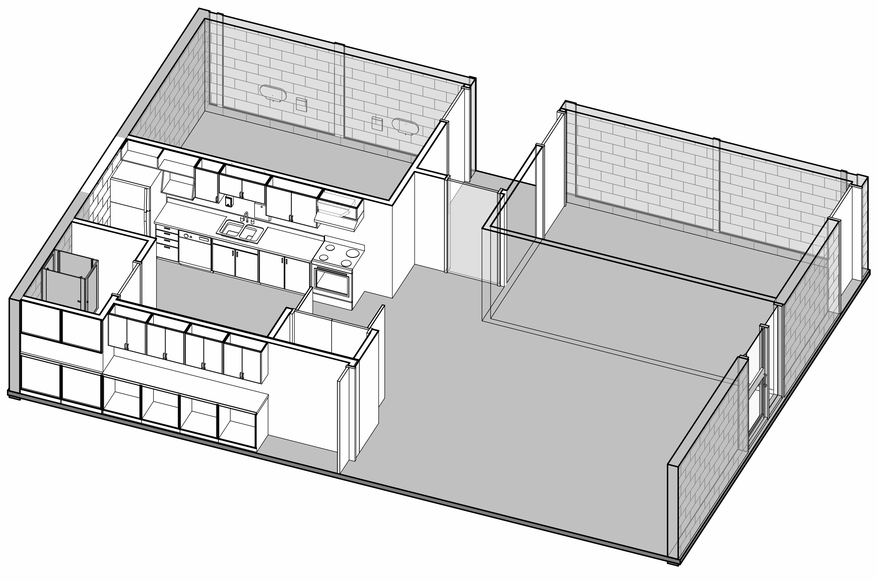
West Interior Elevation - Staff Lounge 4 A7.22 A7.22 1 : 50



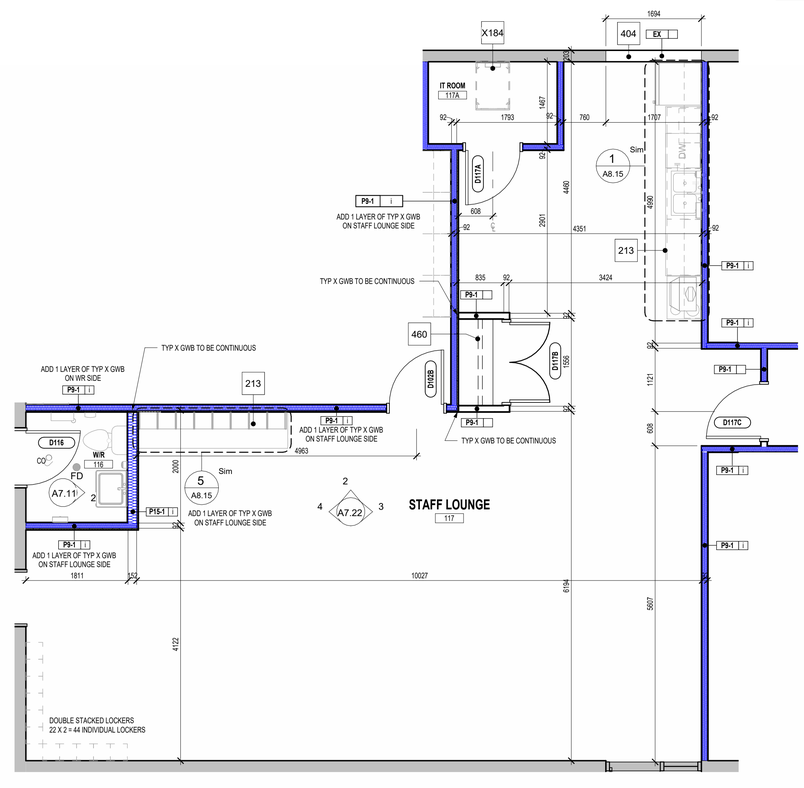
East Interior Elevation - Staff Lounge 3 A7.22 A7.22 1 : 50



North Interior Elevation - Staff Lounge 2 A7.11 A7.22 1 : 50



3D Staff Lounge 5 A7.22



Phase 1 - Floor Plan - Level 1 - Staff Lounge 1 A2.10a A7.22 1 : 50

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7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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ENLARGED PLANS & INTERIOR ELEVATIONS - STAFF LOUNGE

scale:	1 : 50
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:15:31 PM
drawing number:	A7.22

Keynote Legend

Item	Description
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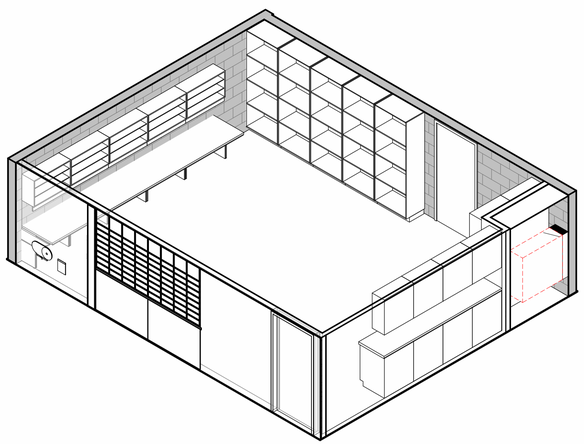
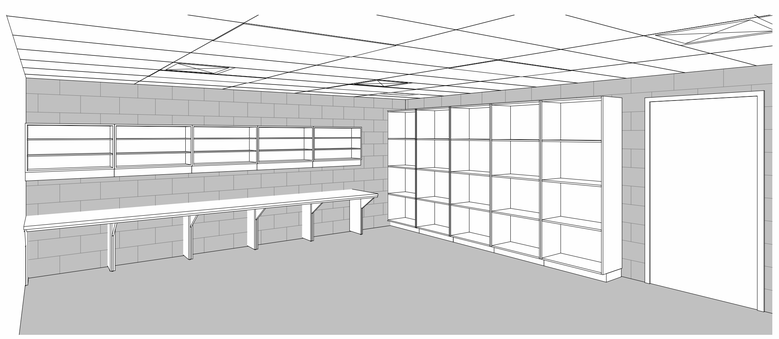
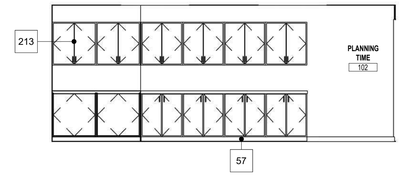
213	MILLWORK (REFER TO MILLWORK SHEETS)



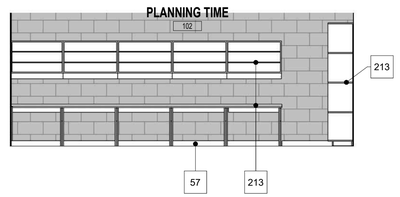
3D Planning Time 6 A7.23



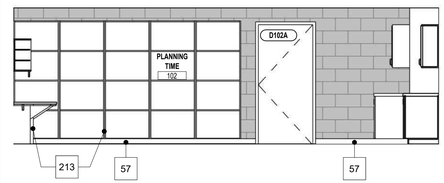
North Interior Isometric View - Planning Time 5 A7.23



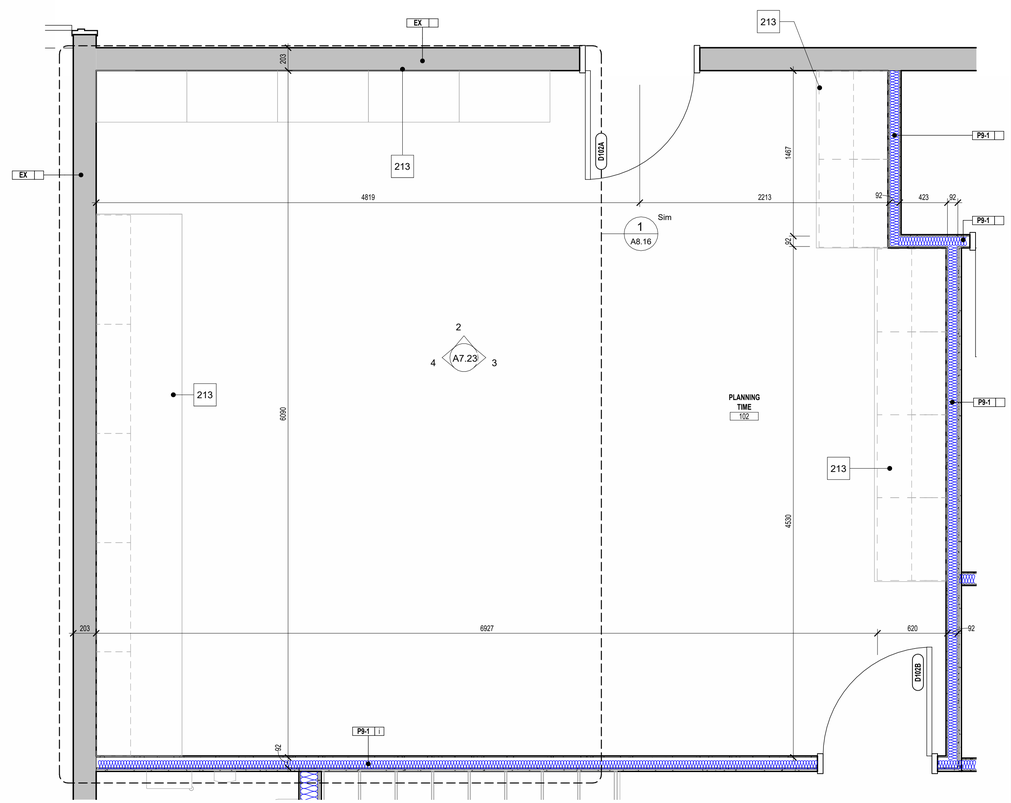
East Interior Elevation - Planning Time 3 A7.23 A7.23 1 : 50



West Interior Elevation - Planning Time 4 A7.11 A7.23 1 : 50



North Interior Elevation - Planning Time 2 A7.23 A7.23 1 : 50



Enlarged Floor Plan - Planning Time 1 A2.10a A7.23 1 : 25

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7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED PLANS & INTERIOR ELEVATIONS - PLANNING TIME

PN
TN

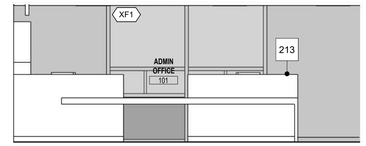
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:15:41 PM

drawing number:

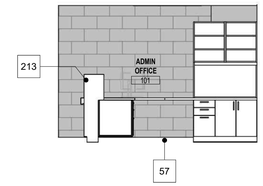
A7.23

Keynote Legend

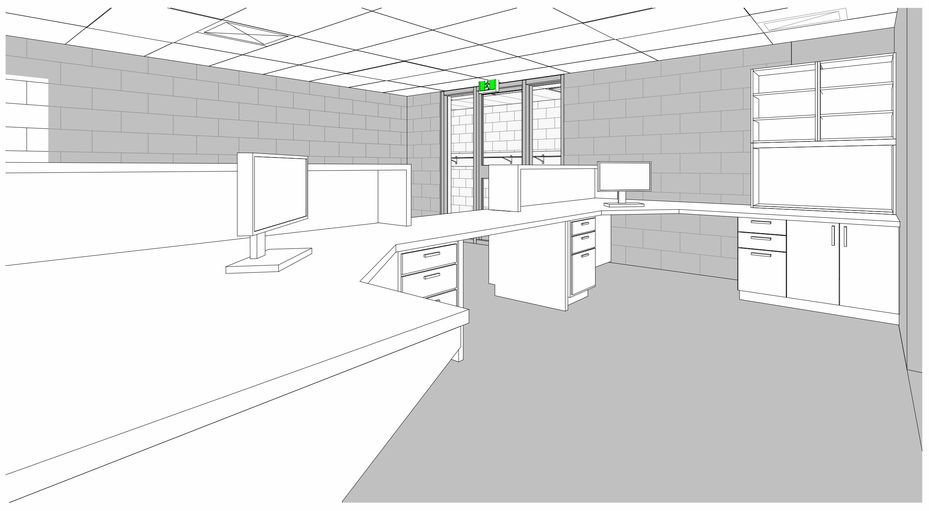
Item	Description
57	FLOOR BASE REFER TO FINISH SCHEDULE
213	MILLWORK (REFER TO MILLWORK SHEETS)
404	GENERAL CONTRACTOR TO INFILL EXISTING OPENING WITH CMU TO MATCH EXISTING AND PAINT TO MATCH ADJACENT FINISHES.
441	PHOTOCOPIER.



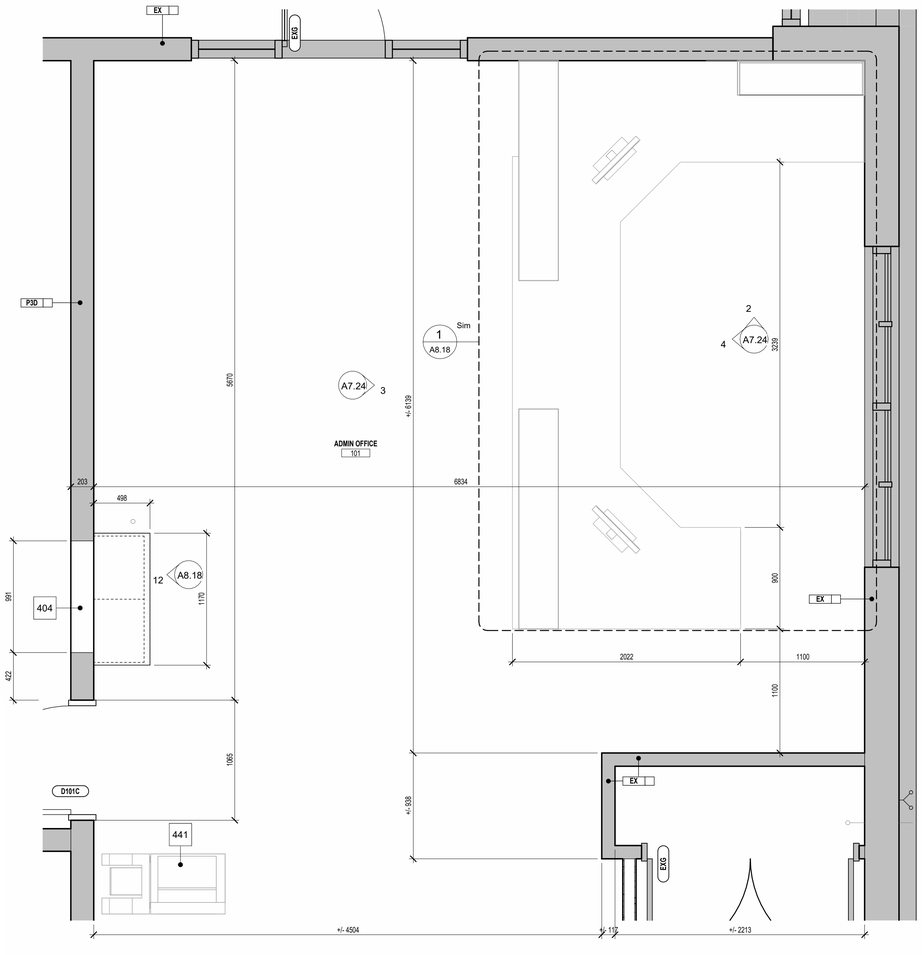
East Interior Elevation - Admin Office 3 A7.24 A7.24 1 : 50



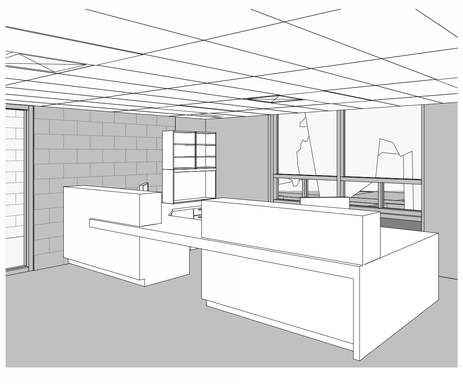
North Interior Elevation - Admin Office 2 A7.24 A7.24 1 : 50



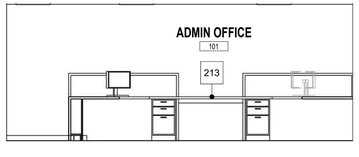
North Interior Isometric View - Admin Office 5 A7.24



Enlarged Floor Plan - Admin Office 1 A2.10a A7.24 1 : 25



East Interior Isometric View - Admin Office 6 A7.24



West Interior Elevation - Admin Office 4 A7.24 A7.24 1 : 50

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
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2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED PLANS & INTERIOR ELEVATIONS - ADMIN OFFICE

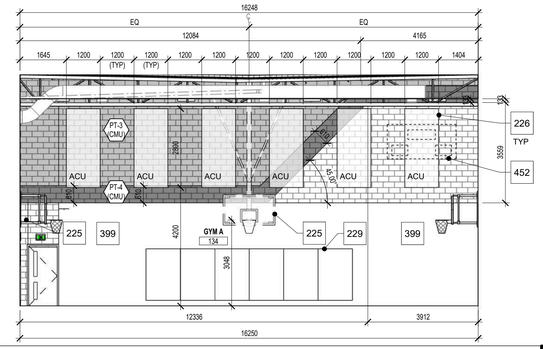
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:15:53 PM

drawing number:

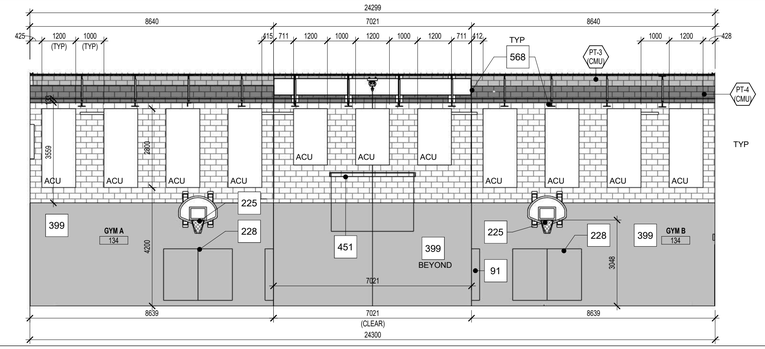
A7.24

Keynote Legend

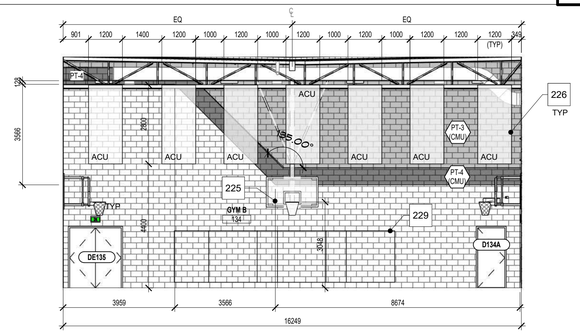
Item	Description
1	REFER TO STRUCTURAL
91	303 X 303 X 1830 (FIXED-IN-PLACE) CORNER PADS. NO WALL DEVICES (SWITCHES/OUTLETS) BE LOCATED AT THE PADDING AREA.
225	BASKETBALL EQUIPMENT c/w TARGET AND BORDER AND ALL ASSOCIATED ACCESSORIES AND SUPPORTS BY EQUIPMENT AS MANUFACTURED BY GYMNASIUM & HEALTH EQUIPMENT OR APPROVED ALTERNATE.
226	ACOUSTIC BLOCK (REFER TO SPECIFICATIONS.) (COORDINATE WITH STRUCTURAL).
227	MOTORIZED GYM CURTAIN MOUNTED BETWEEN JOISTS MAINTAIN 71628mm MIN. CLEAR HEIGHT TO FIN FLOOR LEVEL (COORDINATE WITH SPECIFICATIONS AND ELECTRICAL).
228	WALL PADDING 1830 X 2440 (FIXED-IN-PLACE). NO WALL DEVICES (SWITCHES/OUTLETS) BE LOCATED AT THE PADDING AREA.
229	WALL PADDING 1830 X 7320 (FIXED-IN-PLACE). NO WALL DEVICES (SWITCHES/OUTLETS) BE LOCATED AT THE PADDING AREA.
238	1220 X 1220 WHITEBOARD.
399	INTERIOR FACE OF CONCRETE WALL TO MEET "ARCHITECTURAL CONCRETE FINISH CSC4" STANDARDS USING ARCHITECTURAL CONCRETE FORMS. (REFER TO STRUCTURAL DWGS/SPECS).
400	FIRE EXTINGUISHER CABINET. (REFER TO MECHANICAL)
450	RECESSED CHALKRAIL
451	POWER OPERATED PROJECTION SCREEN.
452	GYMNASIUM SCOREBOARD. (GC TO COORDINATE MOUNTING AROUND SOUND BLOCK LOCATION), (REFER TO ELECTRICAL), (FINAL LOCATION TO BE CONFIRMED WITH WCDSB).
521	CONTRACTOR TO PROVIDE ADEQUATE BLOCKING
568	ROOF STRUCTURE AND STEEL ANGLE SUPPORT AS PER STRUCTURAL DRAWINGS, PAINTED



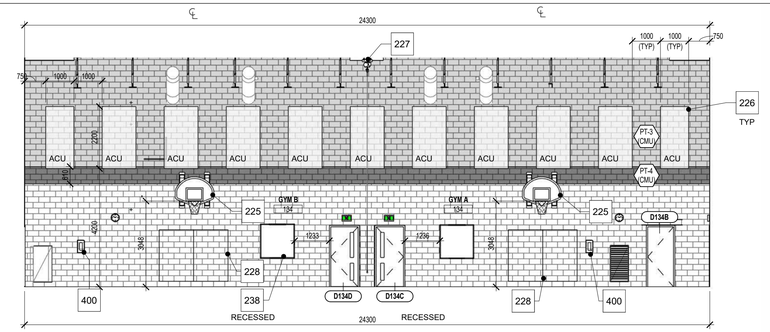
West Elevation 6 A7.11a A7.25 1 : 100



North Elevation 3 A7.25 A7.25 1 : 100



East Elevation 5 A7.11a A7.25 1 : 100



South Elevation 2 A7.25 A7.25 1 : 100

SPORT COURT LEGEND:

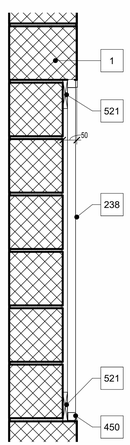
MAIN BASKETBALL COURT 50mm (2"):
COLOUR: TBD

PRACTICE BASKETBALL COURT 50mm (2"):
COLOUR: TBD

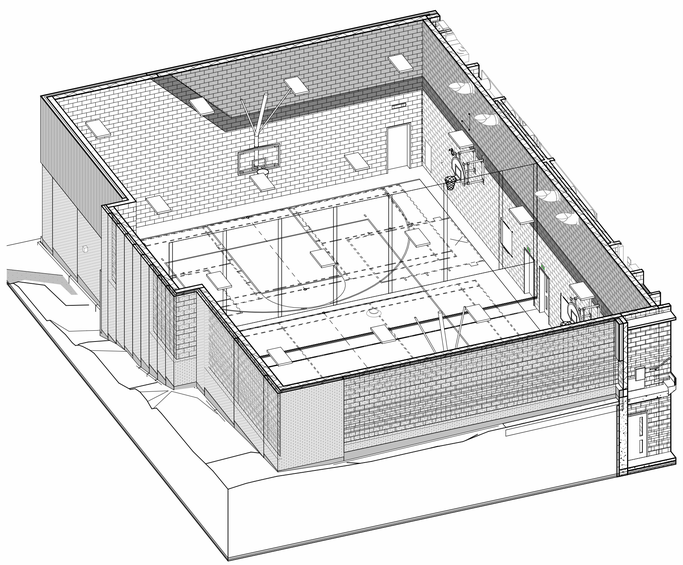
VOLLEYBALL COURT (50mm / 2"):
COLOUR: TBD

BADMINTON COURT 37.5mm (1 1/2"):
COLOUR: TBD

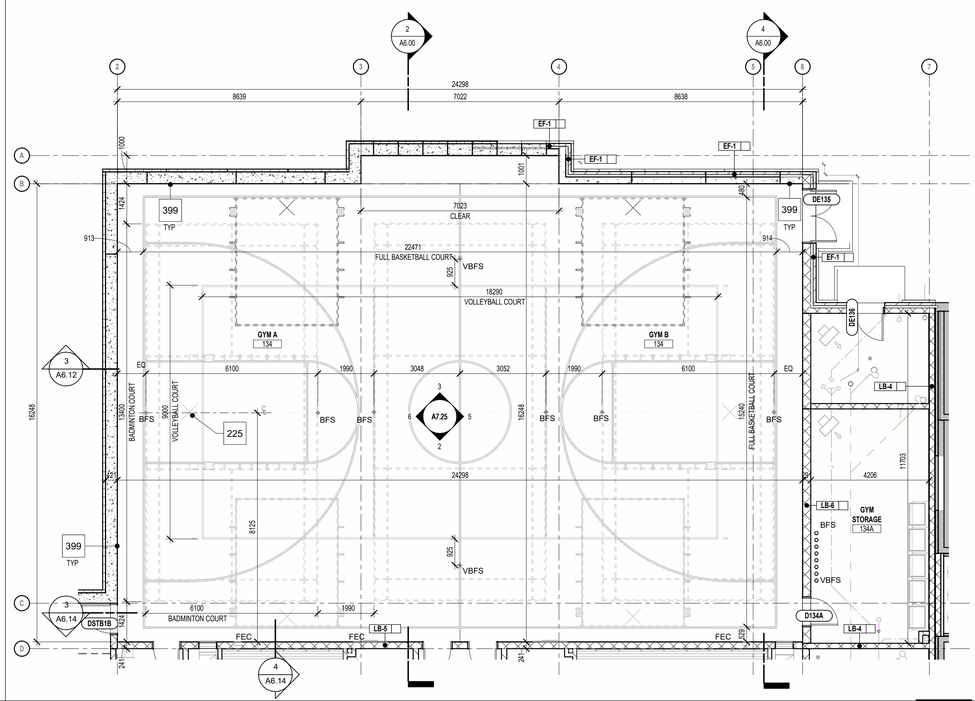
GENERAL NOTES
1. ALL COURT LAYOUTS, LOCATIONS, COLOURS ETC. TO BE VERIFIED pRIOR TO CONSTRUCTION.
   NOTE: SOLID COLOUR SPORTS FLOORING TO BE USED FOR MAIN COURT KEYS.
2. THE COURT LINE OVERLAPPING IN ORDER OF PRIORITY SHALL BE:
   A) MAIN BASKETBALL
   B) PRACTICE BASKETBALL
   C) VOLLEYBALL
   D) BADMINTON
3. REFER TO SPECIFICATION FOR GYM GRAPHIC ALLOWANCE.
4. LINE COLOURS TO BE CONFIRMED BY OWNER VIA SHOP DRAWINGS PRIOR TO INSTALL.
5. VERIFY WITH MANUFACTURER. SPECS FOR SOCKET SIZES, CLEARANCES & INSTALLATION REQUIREMENTS FOR ALL COURT LAYOUTS AND POST SIZES, PRIOR TO INSTALLATION OF FLOOR SOCKETS.
6. ALL MECHANICAL LOUVRE AND DUCT LOCATIONS TO BE COORDINATED WITH INTERIOR ELEVATIONS AND MASONRY BANDING PRIOR TO CONSTRUCTION.
7. EXPOSED METAL ROOF DECK, STEEL ROOF JOISTS, DUCTWORK AND PIPING TO BE PAINTED
8. FINAL LOCATION OF REQUIRED MARKERBOARDS TO BE DETERMINED BY THE OWNER AND CONSULTANT.



Recessed Whiteboard Detail 7 A7.25 1 : 10



Gymnasium - Isometric View 4 A7.25



Gymnasium- Enlarged Floor Plan 1 A2.10b A7.25 1 : 100

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED PLANS & INTERIOR ELEVATIONS - GYM

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:16:06 PM
drawing number:	A7.25

Keynote Legend

Item	Description
225	BASKETBALL EQUIPMENT c/w TARGET AND BORDER AND ALL ASSOCIATED ACCESSORIES AND SUPPORTS BY EQUIPMENT AS MANUFACTURED BY GYMNASIUM & HEALTH EQUIPMENT OR APPROVED ALTERNATE.

SPORT COURT LEGEND:

MAIN BASKETBALL COURT 50mm (2"):
COLOUR: TBD

PRACTICE BASKETBALL COURT 50mm (2"):
COLOUR: TBD

VOLLEYBALL COURT (50mm / 2"):
COLOUR: TBD

BADMINTON COURT 37.5mm (1 1/2"):
COLOUR: TBD

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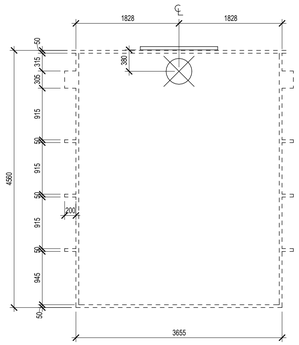
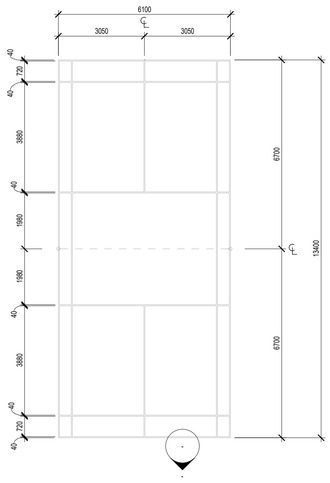
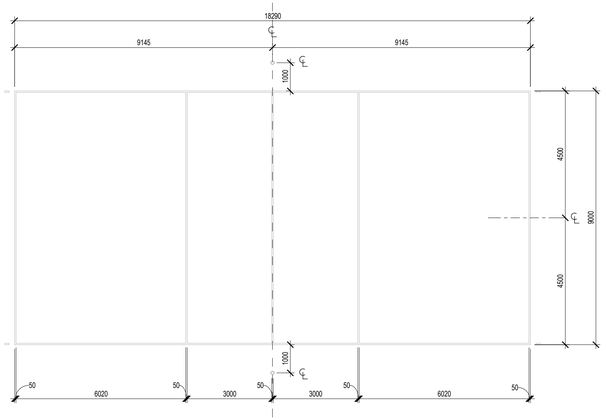
   C) VOLLEYBALL
   D) BADMINTON
3. REFER TO SPECIFICATION FOR GYM GRAPHIC ALLOWANCE.
4. LINE COLOURS TO BE CONFIRMED BY OWNER VIA SHOP DRAWINGS PRIOR TO INSTALL.
5. VERIFY WITH MANUFACTURER. SPECS FOR SOCKET SIZES, CLEARANCES & INSTALLATION REQUIREMENTS FOR ALL COURT LAYOUTS AND POST SIZES, PRIOR TO INSTALLATION OF FLOOR SOCKETS.
6. ALL MECHANICAL LOUVRE AND DUCT LOCATIONS TO BE COORDINATED WITH INTERIOR ELEVATIONS AND MASONRY BANDING PRIOR TO CONSTRUCTION.
7. EXPOSED METAL ROOF DECK, STEEL ROOF JOISTS, DUCTWORK AND PIPING TO BE PAINTED
8. FINAL LOCATION OF REQUIRED MARKERBOARDS TO BE DETERMINED BY THE OWNER AND CONSULTANT.



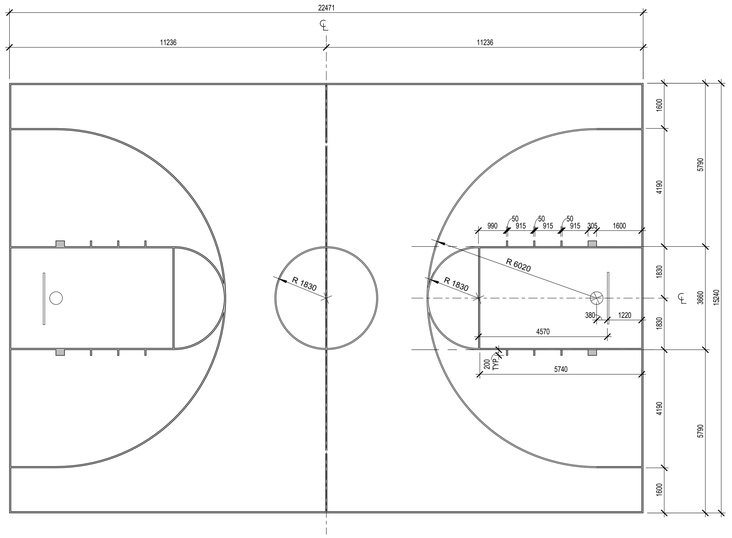
Practice Basketball Court Layout **5** A7.26 1 : 50



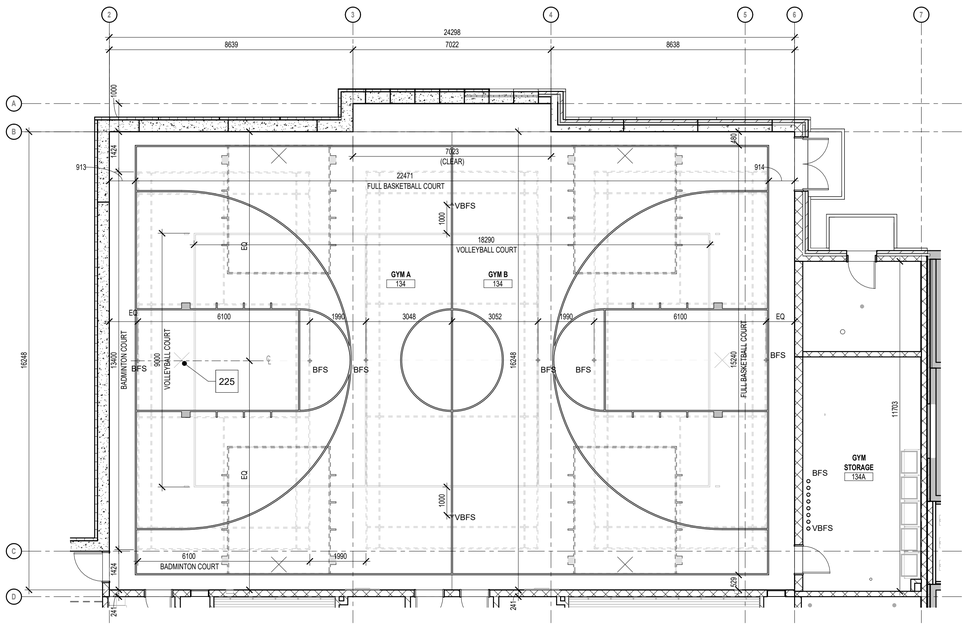
Badmintonl Court Layout **4** A7.26 1 : 100



Main Vollyball Court Layout **3** A7.26 1 : 100



Main Basketball Court Layout **2** A7.26 1 : 100



Gymnasium- Enlarge Court Layout **1** A2.10bA7.26 1 : 100

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St. Mark CES Addition

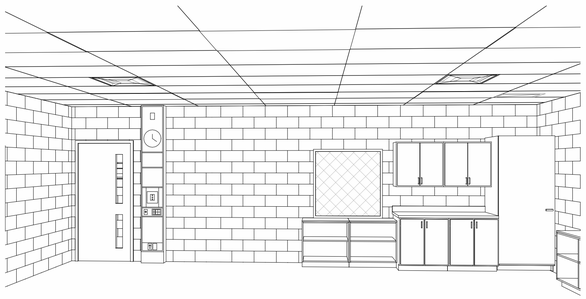
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED PLANS - GYMNASIUM COURT LAYOUTS

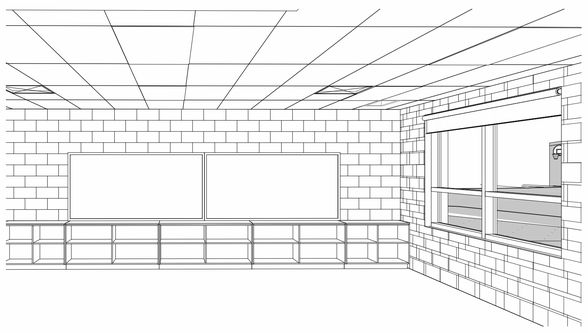
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:16:11 PM
drawing number:	A7.26

Keynote Legend

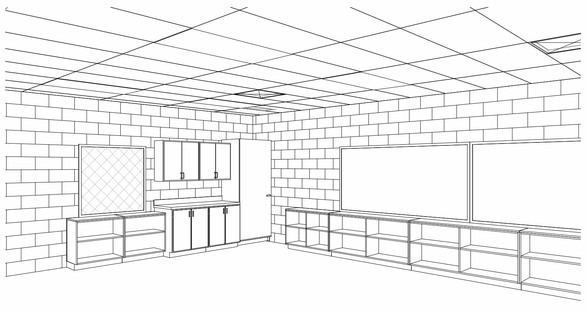
Item	Description
57	FLOOR BASE REFER TO FINISH SCHEDULE
213	MILLWORK (REFER TO MILLWORK SHEETS)
229	WALL PADDING 1830 X 7320 (FIXED-IN-PLACE). NO WALL DEVICES (SWITCHES/OUTLETS) BE LOCATED AT THE PADDING AREA.
235	TEACHERS CABINET MILLWORK (REFER TO MILLWORK SHEETS)
236	CONTROL PANEL. (REFER TO ELECTRICAL AND SPECIFICATIONS)
237	BRIGHTLINK VIDEO PROJECTOR (NIC). (GC TO COORDINATE INSTALLATION AND LOCATION ABOVE WHITEBOARD WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS).
238	1220 X 1220 WHITEBOARD.
239	2440 X 1220 WHITEBOARD.
240	1220 X 1220 TACKBOARD.
241	ROLLER SHADE (TYPICAL).
310	PLAM COUNTER TOP WITH POSTFORMED FRONT EDGE AND SPLASH. PROVIDE FINISH ON ALL EXPOSED EDGES
370	100mm (4") BLACK WALL BASE FOR ALL VCT FLOORS/CARPET AND SPORTS FLOORS, AS MANUFACTURED BY ROPPE, (OR APPROVED ALTERNATE).



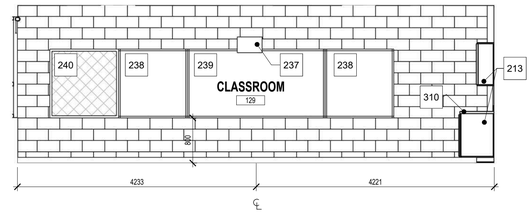
North Isometric View - Typical Classroom **10** A7.30



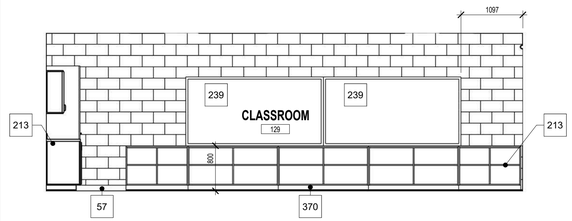
East Isometric View - Typical Classroom **9** A7.30



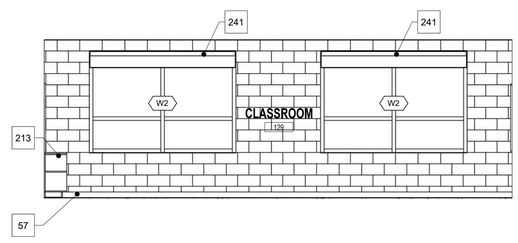
NorthEast Interior Isometric View - Typical Classroom **8** A7.30



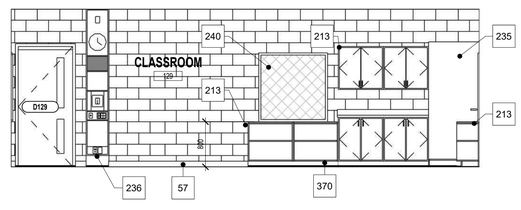
West Interior Elevation - Typical Classroom **6** A7.30 A7.30 1 : 50



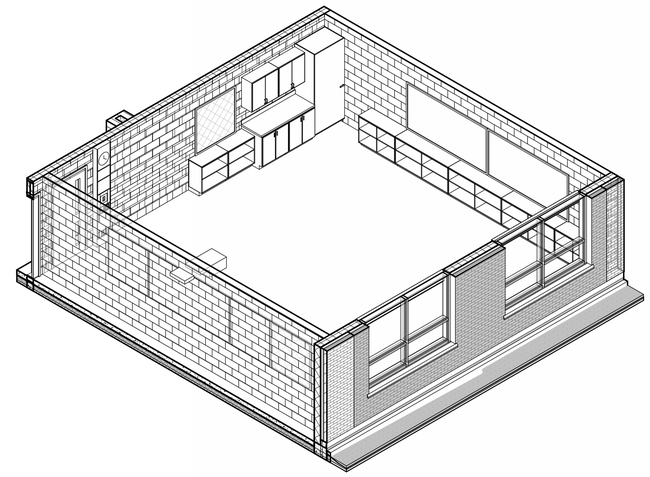
East Interior Elevation - Typical Classroom **5** A7.30 A7.30 1 : 50



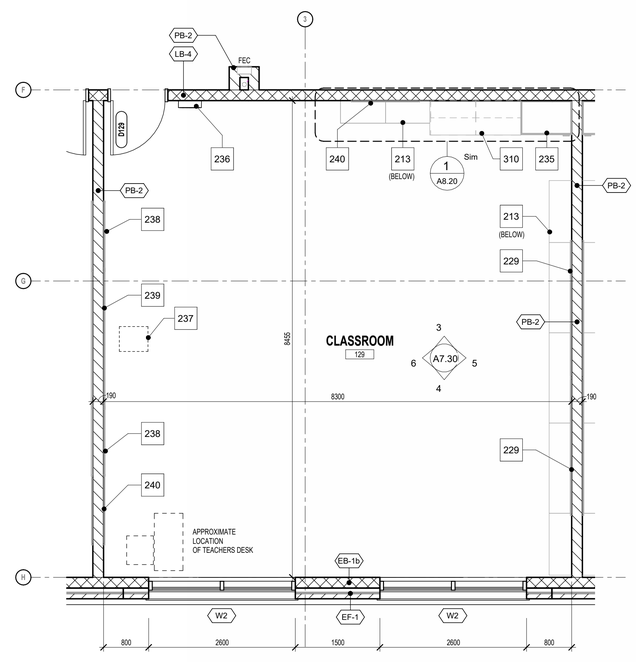
South Interior Elevation - Typical Classroom **4** A7.30 A7.30 1 : 50



North Interior Elevation - Typical Classroom **3** A7.30 A7.30 1 : 50



Typical Classroom - Isometric **2** A7.30



Enlarged Floor Plan - Typical Classroom **1** A2.10b A7.30 1 : 50

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

ENLARGED PLANS - CLASSROOM ELEV. - NEW CONSTRUCTION

scale:	1 : 50
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:16:34 PM
drawing number:	A7.30

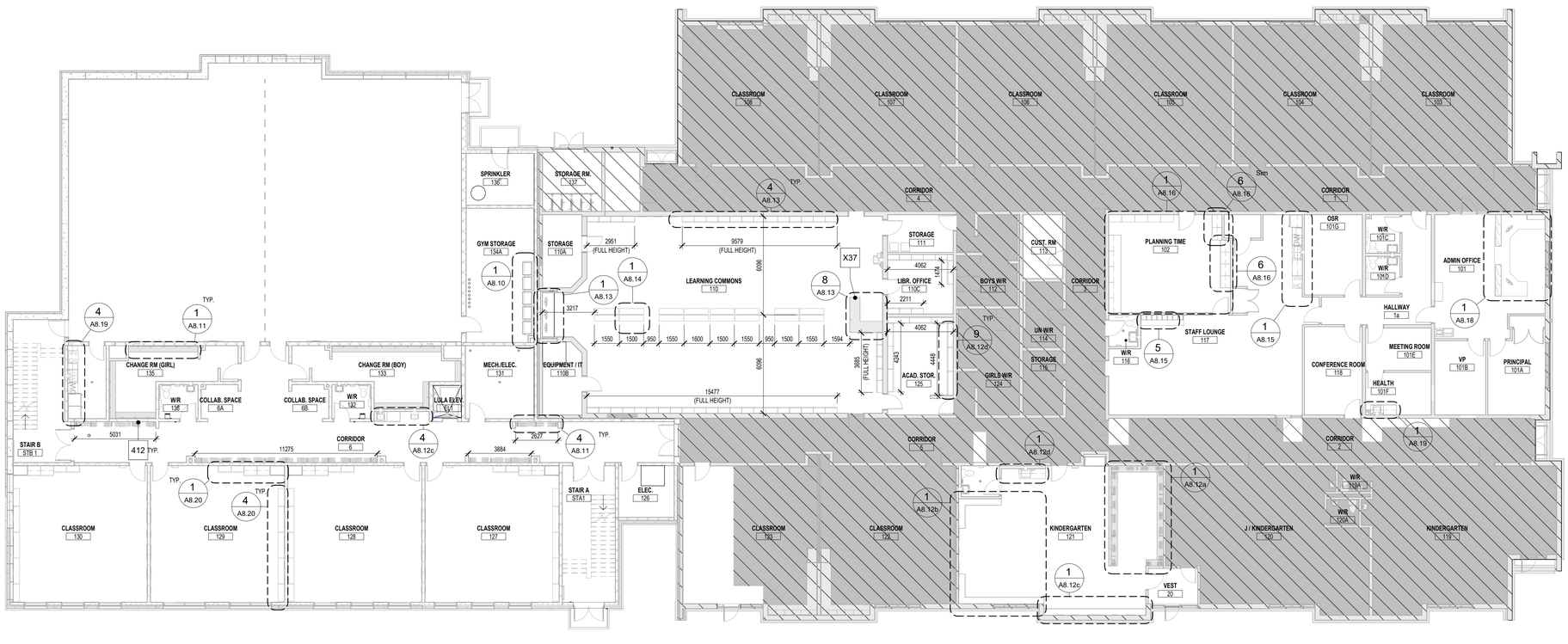
Keynote Legend

Item	Description
412	NEW COAT AND HAT RACKS COMPLETE WITH COAT HOOKS. THE BRACKETS ARE TO BE SPACED A MAXIMUM OF 1,000mm, SCR-1001 BY GLOBAL SCH0OL PRODUCTS INC. (OR APPROVED EQUAL). (COLOURS TBD)
X37	GC TO PREPARE EXISTING MILLWORK TO RECEIVE NEW RUBBER BASE (TYPICAL AT ALL LOCATIONS RECEIVING NEW FLOORING).

MILLWORK FINISH LEGEND

	CABINET S	HM-1	HARDROCK MAPLE C/W PVC EDGE
	COUNTERTOP	PL-1	PLAM FINISH: FORMICA LAMINATE COLOUR: FORMICA 912-58 STORM FINISH: MATTE
	COUNTERTOP	S-1	SOLID SURFACE COUNTERTOP COLOUR: CORIAN SILVER GRAY FINISH: MATTE

ALL COLOURS AND FINISHES AS SPECIFIED OR (APPROVED ALTERNATIVE), TO BE CONFIRMED BY OWNER/ARCHITECT



OVERALL MILLWORK KEY PLAN - LEVEL 1

1 A1.40 A8.00 1 : 150

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St. Mark CES Addition

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OVERALL MILLWORK KEY PLAN - LEVEL 1

PN TN

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:16:42 PM

drawing number:

A8.00

Keynote Legend

Item	Description
412	NEW COAT AND HAT RACKS COMPLETE WITH COAT HOOKS. THE BRACKETS ARE TO BE SPACED A MAXIMUM OF 1,000mm, SCR-1001 BY GLOBAL SCH0OL PRODUCTS INC. (OR APPROVED EQUAL). (COLOURS TBD)

MILLWORK FINISH LEGEND

	CABINETS	HM-1	HARDROCK MAPLE C/M PVC EDGE
	COUNTERTOP	PL-1	PLAM FINISH: FORMICA LAMINATE COLOUR: FORMICA 912-58 STORM FINISH: MATTE
	COUNTERTOP	S-1	SOLID SURFACE COUNTERTOP COLOUR: CORIAN SILVER GRAY FINISH: MATTE

ALL COLOURS AND FINISHES AS SPECIFIED OR (APPROVED ALTERNATIVE), TO BE CONFIRMED BY OWNER/ARCHITECT

OVERALL MILLWORK KEY PLAN - LEVEL 2

1 | A1.41 | A8.01

1 : 150

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

OVERALL MILLWORK KEY PLAN - LEVEL 2

PN TN

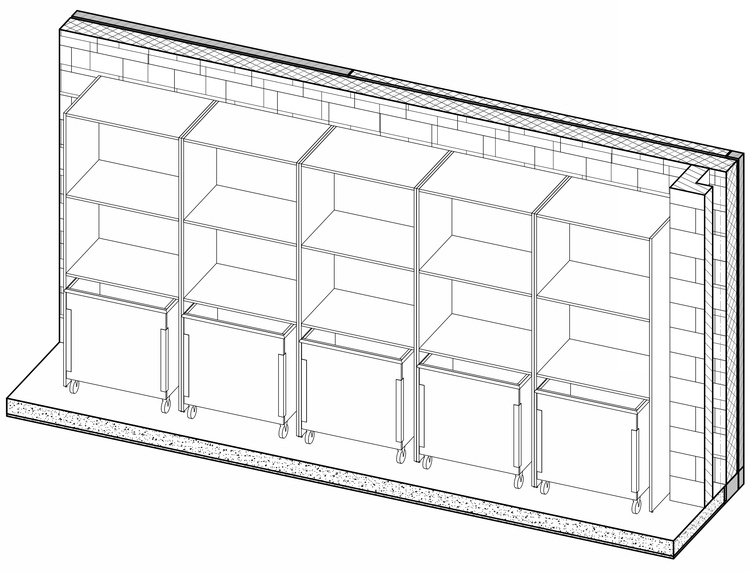
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:16:49 PM

drawing number:

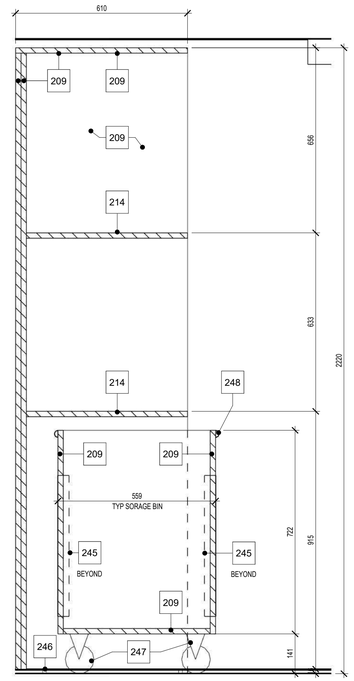
A8.01

Keynote Legend

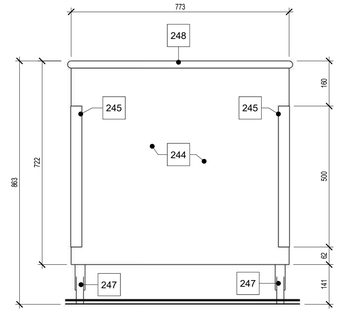
Item	Description
209	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET GABLE, TOP AND BOTTOM (REFER TO SPECIFICATIONS)
210	13mm MELAMINE (HARDROCK MAPLE) - CABINET BACK (REFER TO SPECIFICATIONS)
214	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - FIXED SHELF. (REFER TO SPECIFICATIONS)
244	19mm MELAMINE (HARDROCK MAPLE) STORAGE BIN.
245	ALUMINUM EDGE GUARD ANODIZED SATIN ALUMINUM 90-DEGREE ANGLE 3/4 X 3/4/ X 1/16 THICK, AS MANUFACTURED BY RICHILIEU #D0100650810. (OR APPROVED ALTERNATE).
246	LEG LEVELER WITH NUT 1/4" 20 c/w 1" ADJUSTMENT AS MANUFACTURED BY RICHELIEU PRODUCT #BP53961190 ZINC, BLACK (OR APPROVED ALTERNATE)
247	INDUSTRIAL STAINLESS STEEL 304 & PU CASTER WITH PLATE AND 4 DIAMETER WHEEL AS MANUFACTURED BY RICHELIEU PRODUCT # F463324. (OR APPROVED ALTERNATE). (REFER TO SPECIFICATIONS)
248	POLBOSTYLENE BUMPER TOP RAIL SYSTEM c/w CORNERS AS MANUFACTURED BY RICHELEIU, #PBBR100/#PBTR100090/#PBCN100090 GRAY COLOUOR. (OR APPROVED ALTERNATE)
249	19mm MELAMINE (HARDROCK MAPLE) OPEN SHELVING UNIT



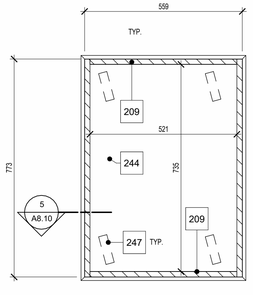
Isometric View of New Gym Storage Millwork 6 A8.10



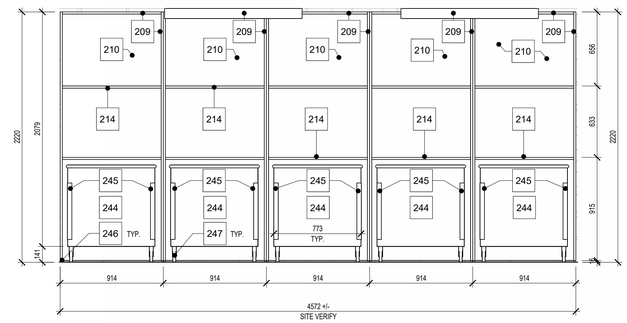
Typical Storage Bin Millwork - Section 5 A8.10 A8.10 1 : 10



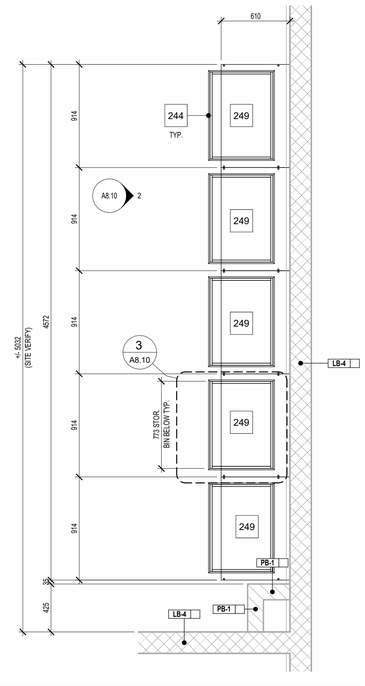
Typical Storage Bin - Elevation 4 A8.10 A8.10 1 : 10



Typical Storage Bin - Plan 3 A8.10 A8.10 1 : 10



Gym Storage Millwork Elevation 2 A8.10 A8.10 1 : 25



Enlarged Plan of Proposed Gym Storage Millwork 1 A8.00 A8.10 1 : 25

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St. Mark CES Addition

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MILLWORK DETAILS AND ELEVATIONS - GYM STORAGE

PN TN

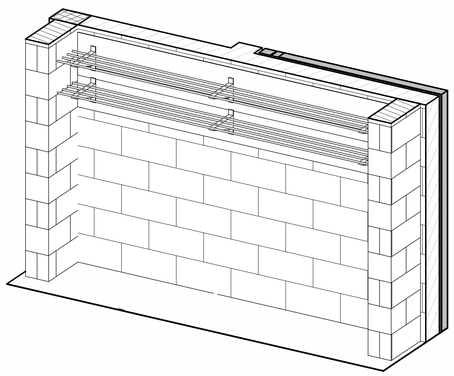
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:16:57 PM

drawing number:

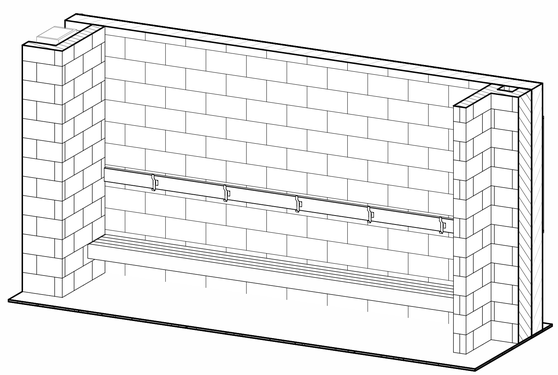
A8.10

Keynote Legend

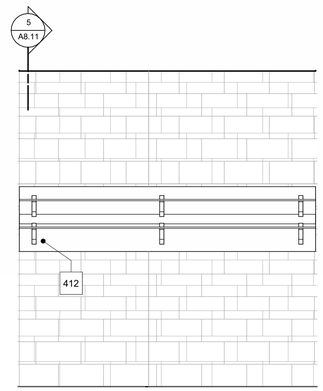
Item	Description
401	NEW WOOD BENCH AND COAT HOOKS WITH BRACKETS SPACED A MAXIMUM OF 1,000mm, COAT HOOKS SPACING @ 800mm MOUNTED ON CONTINUOUS SOLID MAPLE WITH EASED EDGES (TYPICAL) (REFER TO SPECIFICATIONS).
405	CONCRETE BLOCK. REFER TO FLOOR PLANS FOR BLOCK THICKNESS
406	4-38X88 MAPLE HARDWOOD SLATS. SCREW FASTEN FROM BELOW
407	38X140 MAPLE TRIM FRONT AND EXPOSED ENDS
408	100x75x6 CONT. STEEL ANGLE
409	3-13 DIA. LAG BOLTS PER BRACKET
410	BASE, REFER TO INTERIOR FINISHES
411	GROUT THREE (3) BLOCK COURSES SOLID
412	NEW COAT AND HAT RACKS COMPLETE WITH COAT HOOKS. THE BRACKETS ARE TO BE SPACED A MAXIMUM OF 1,000mm, SCR-1001 BY GLOBAL SCH0OL PRODUCTS INC. (OR APPROVED EQUAL). (COLOURS TBD)
413	STAGGERED STANDARDS AT +/- 152mm (1000mm MAX.)



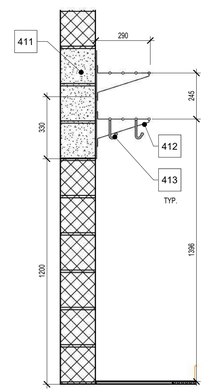
Isometric View of Typical Corridor Hooks / Shelf **8** A8.11



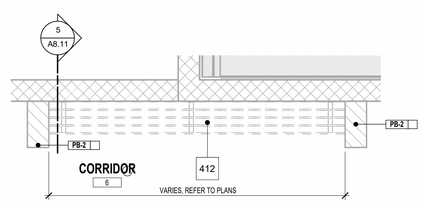
Isometric View of Typical Changeroom Bench & Coat Hooks **7** A8.11



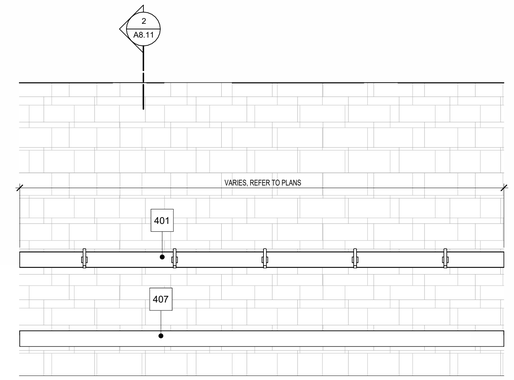
Typical Front Elevation of New Corridor Coat Hook / Shelf **3** A8.11 1 : 25



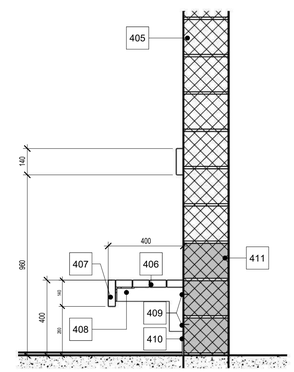
Typical Corridor Coat Hook / Shelf Section Detail **5** A8.11 A8.11 1 : 15



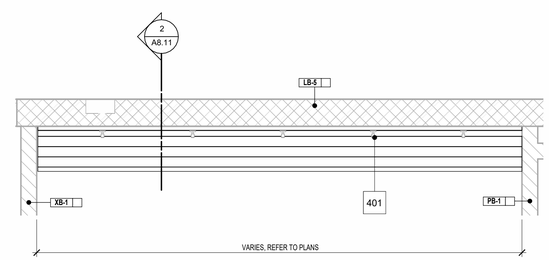
Typical Corridor Coat Hook / Shelf Millwork **4** A8.00 A8.11 1 : 25



Typical Front Elevation of New Changeroom Hooks & Bench **6** A8.11 1 : 25



Typical Changeroom Bench Section Detail **2** A7.12 A8.11 1 : 15



Typical Enlarged Plan of Changeroom Bench Millwork **1** A7.12 A8.11 1 : 25

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St. Mark CES Addition

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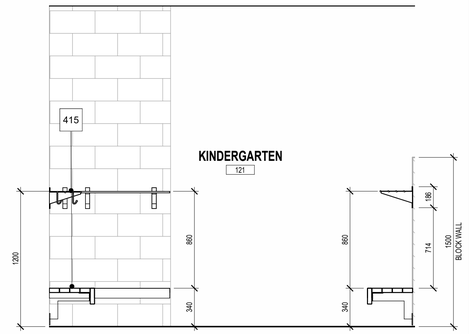
MILLWORK DETAILS AND ELEVATIONS - CHANGE RMS & CORRIDOR

PN TN

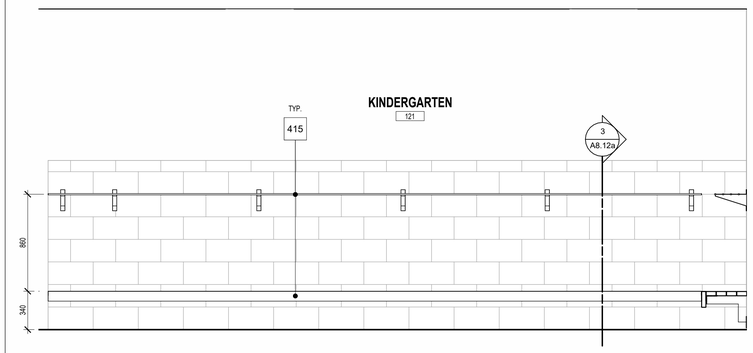
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:17:05 PM
drawing number:	**A8.11**

Keynote Legend

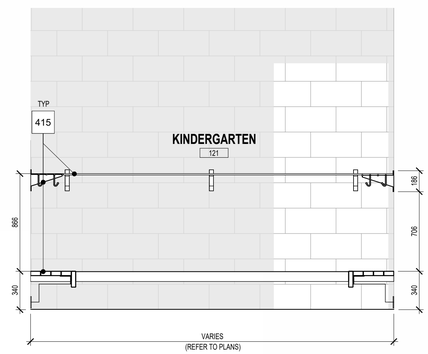
Item	Description
406	4-38X88 MAPLE HARDWOOD SLATS. SCREW FASTEN FROM BELOW
407	38X140 MAPLE TRIM FRONT AND EXPOSED ENDS
408	100x75x6 CONT. STEEL ANGLE
409	3-13 DIA. LAG BOLTS PER BRACKET
410	BASE, REFER TO INTERIOR FINISHES
411	GROUT THREE (3) BLOCK COURSES SOLID
412	NEW COAT AND HAT RACKS COMPLETE WITH COAT HOOKS. THE BRACKETS ARE TO BE SPACED A MAXIMUM OF 1,000mm, SCR-1001 BY GLOBAL SCH0OL PRODUCTS INC. (OR APPROVED EQUAL). (COLOURS TBD)
413	STAGGERED STANDARDS AT +/- 152mm (1000mm MAX.)
415	NEW WOOD BENCH AND COAT AND HAT RACKS COMPLETE WITH COAT HOOKS (HOOKS INSTALLED ON BOTTOM ROW ONLY). THE BRACKETS ARE TO BE SPACED A MAXIMUM OF 1,000mm, SCR-1001 BY GLOBAL SCH0OL PRODUCTS INC. (OR APPROVED EQUAL). (COLOURS TBD)
454	GROUT TWO (2) BLOCK COURSES SOLID
693	BULLNOSE BLOCK AND MAKE ENTIRE EDGE AND SURFACE OF EXPOSED BLOCK SMOOTH.



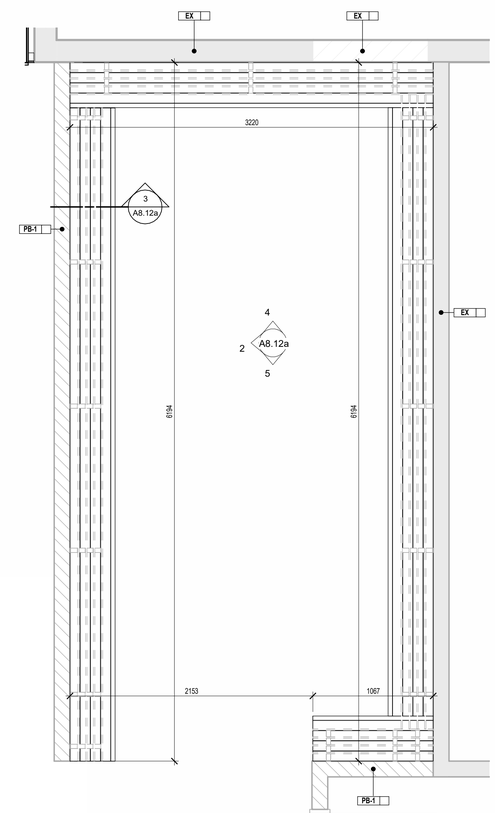
South Elevation - Kindergarten Coats & Boots 5 A7.20A8.12a 1 : 25



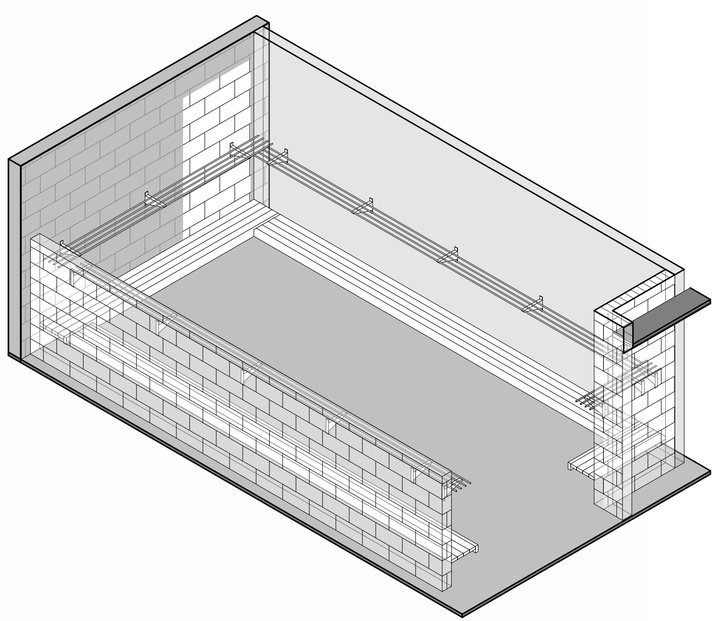
Typical Interior Elevation - Kindergarten Coat Hook & Bench Millwork 2 A7.20A8.12a 1 : 25



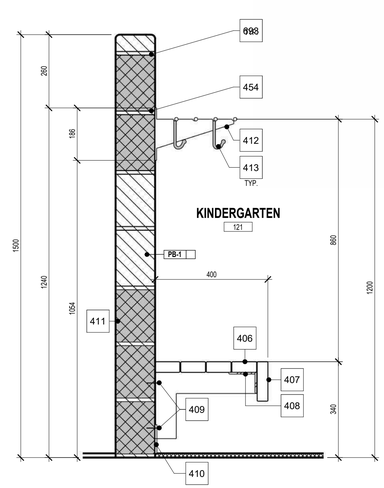
North Elevation - Kindergarten Coats & Boots 4 A7.20A8.12a 1 : 25



Enlarged Plan - Kindergarten Coats & Boots Millwork 1 A7.20A8.12a 1 : 25



Isometric View of Kindergarten Coats & Boots 6 A8.12a



Typ. Kindergarten Coats & Boots Section Detail 3 A8.12a A8.12a 1 : 10

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

MILLWORK DETAILS AND ELEVATIONS - KINDERGARTEN

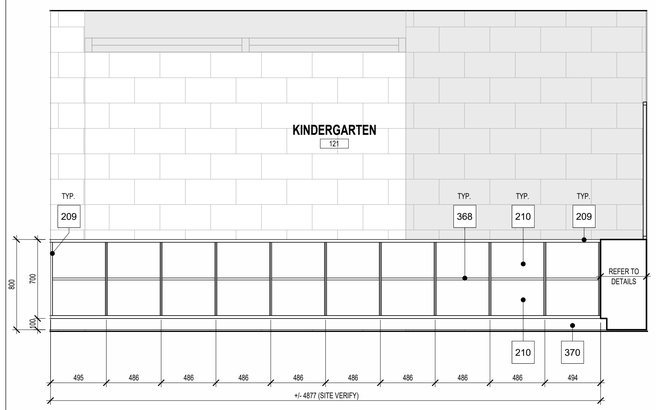
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:17:13 PM

drawing number:

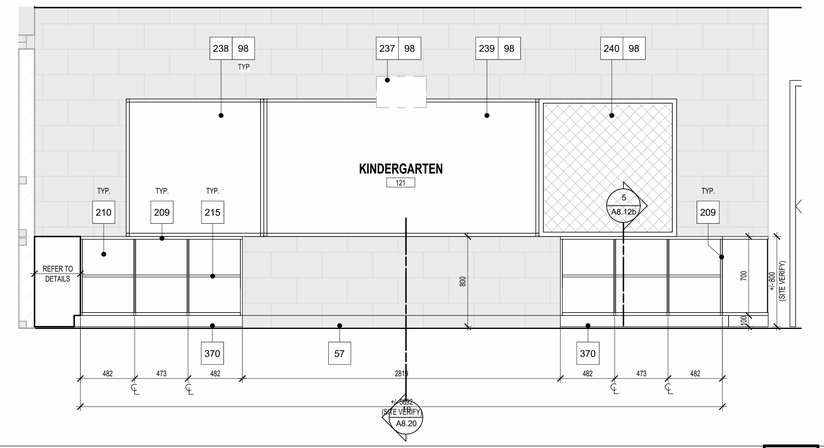
A8.12a

Keynote Legend

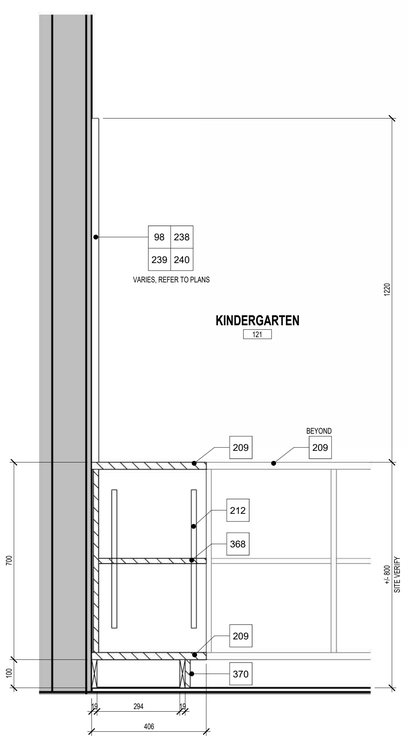
Item	Description
57	FLOOR BASE REFER TO FINISH SCHEDULE
98	GC TO MATCH MOUNTING HEIGHTS OF EXISTING ADJACENT ROOMS, INCLUDING LOWER HEIGHT MOUNTING OF ALL WHITE/TAC BOARD AND BRIGHTLINKS ETC. (GC TO COORDINATE WITH WCDSB BEFORE INSTALLATION).
209	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET GABLE, TOP AND BOTTOM (REFER TO SPECIFICATIONS)
210	13mm MELAMINE (HARDROCK MAPLE) - CABINET BACK (REFER TO SPECIFICATIONS)
212	CABINET HARDWARE INCLUDING PULLS, HINGES, LOCKS, SHELF SUPPORT, ADJUSTABLE FOOT, ETC. (REFER TO SPECIFICATIONS)
215	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - ADJUSTABLE SHELF (REFER TO SPECIFICATIONS)
237	BRIGHTLINK VIDEO PROJECTOR (NIC). (GC TO COORDINATE INSTALLATION AND LOCATION ABOVE WHITEBOARD WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS).
238	1220 X 1220 WHITEBOARD.
239	2440 X 1220 WHITEBOARD.
240	1220 X 1220 TACKBOARD.
368	19mm MELAMINE (HARDROCK MAPLE) ADJUSTABLE SHELF WITH 3mm PVC EDGES.
370	100mm (4") BLACK WALL BASE FOR ALL VCT FLOORS/CARPET AND SPORTS FLOORS, AS MANUFACTURED BY ROPPE, (OR APPROVED ALTERNATE).



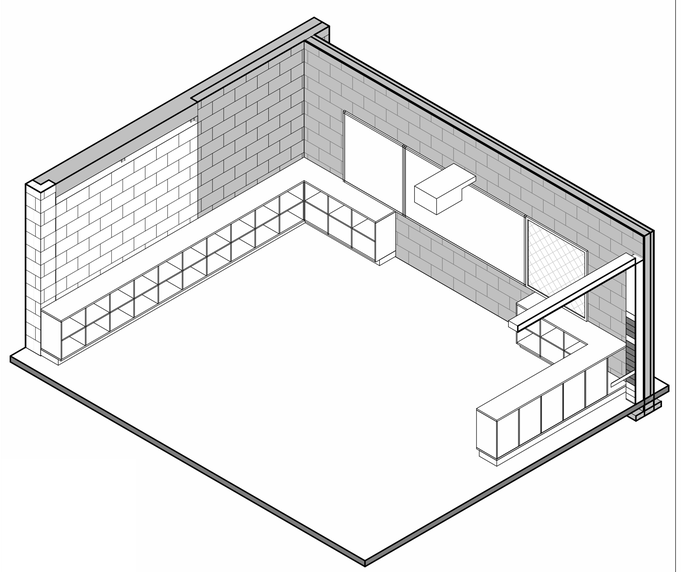
Kindergarten West Cubbies - South Elevaton 4 A8.12b A8.12b 1 : 25



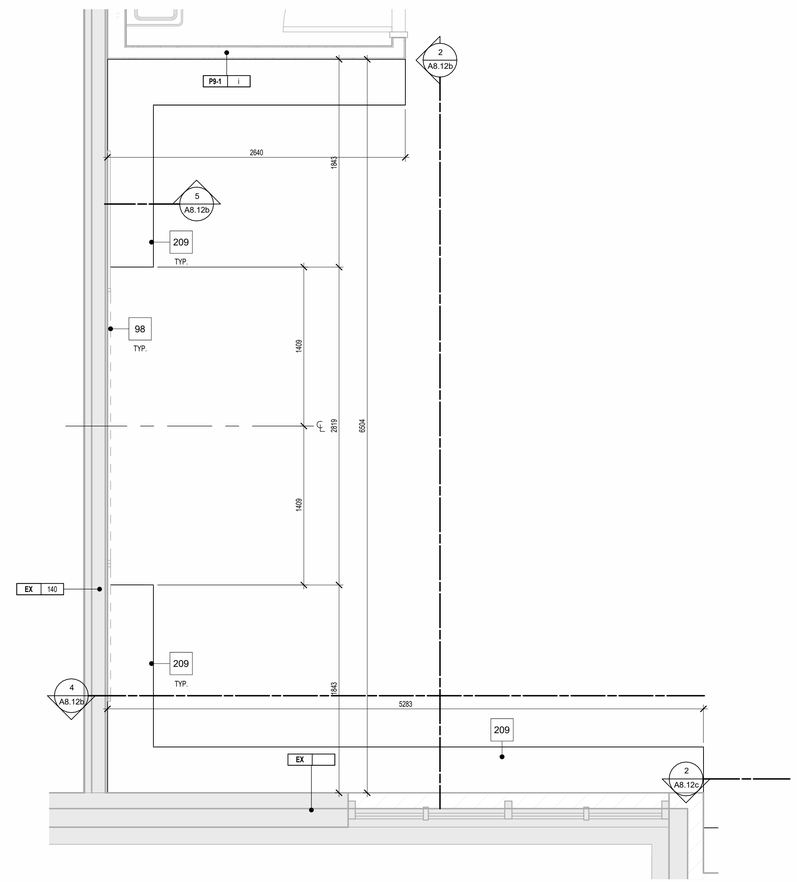
Kindergarten West Cubbies - West Elevation 2 A8.12b A8.12b 1 : 25



Typical Classroom Cubbies - Section 5 A8.12b A8.12b 1 : 10



Isometric View of Kindergarten Cubbies Millwork 3 A8.12b



Enlarged Plan of Proposed Kindergarten West Cubbies Millwork 1 A7.20 A8.12b 1 : 25

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

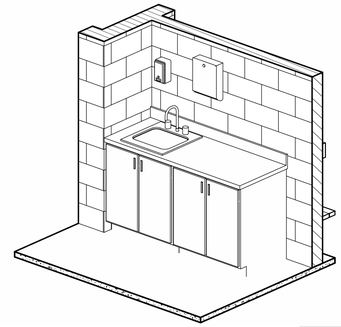
MILLWORK DETAILS AND ELEVATIONS - KINDERGARTEN

PN TN

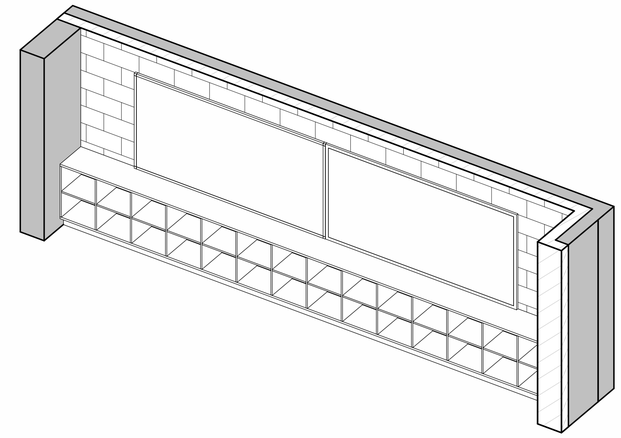
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:17:20 PM
drawing number:	A8.12b

Keynote Legend

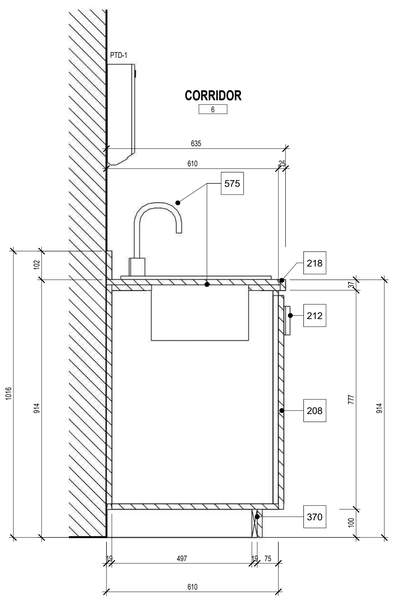
Item	Description
208	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET DOOR/DRAWER (REFER TO SPECIFICATIONS).
209	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET GABLE, TOP AND BOTTOM (REFER TO SPECIFICATIONS)
210	13mm MELAMINE (HARDROCK MAPLE) - CABINET BACK (REFER TO SPECIFICATIONS)
212	CABINET HARDWARE INCLUDING PULLS, HINGES, LOCKS, SHELF SUPPORT, ADJUSTABLE FOOT, ETC. (REFER TO SPECIFICATIONS)
215	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - ADJUSTABLE SHELF (REFER TO SPECIFICATIONS)
218	NEW COUNTER TOP TO BE POSTFORMED D PROFILE. (PL-1), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
239	2440 X 1220 WHITEBOARD.
243	2440 X 1220 TACKBOARD.
368	19mm MELAMINE (HARDROCK MAPLE) ADJUSTABLE SHELF WITH 3mm PVC EDGES.
370	100mm (4") BLACK WALL BASE FOR ALL VCT FLOORS/CARPET AND SPORTS FLOORS, AS MANUFACTURED BY ROPPE, (OR APPROVED ALTERNATE).
397	NEW PLUMBING FIXTURES. (REFER TO MECHANICAL). TYPICAL (UNO).
575	SINK AND FAUCET, SEE MECHANICAL DRAWINGS



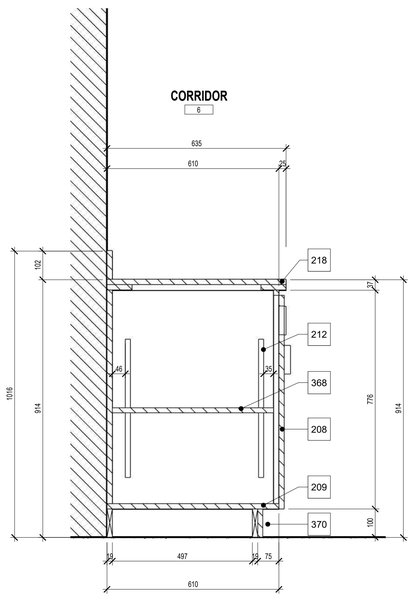
Isometric View of Corridor Millwork **8** A8.12c



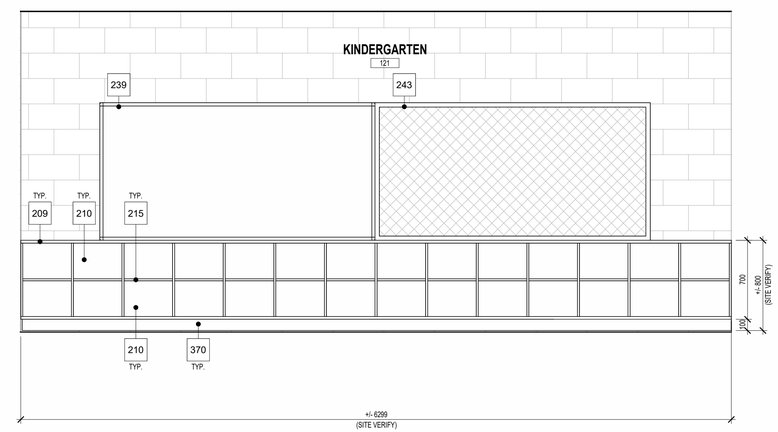
Isometric View of Classroom Cubbies Millwork **3** A8.12c



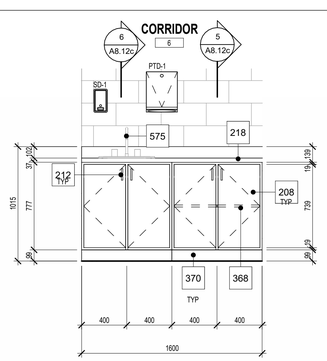
Typical Millwork Base Cabinet at Sink - Section **6** A8.12c A8.12c 1 : 10



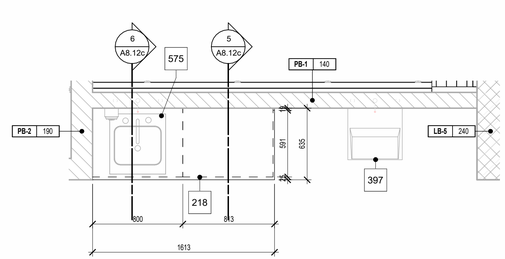
Typical Millwork Base Cabinet - Section **5** A8.12c A8.12c 1 : 10



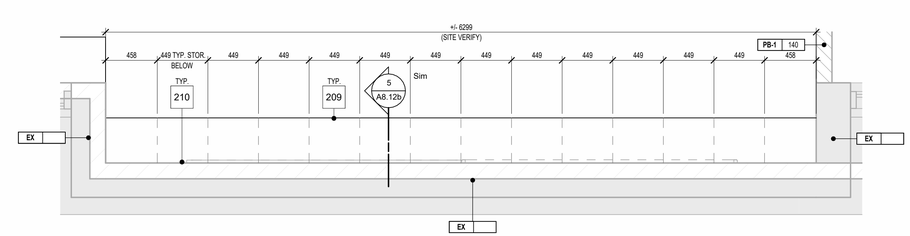
Kindergarten South Cubbies **2** A8.12c A8.12c 1 : 25



Corridor Millwork at Sink - Elevaton **7** A8.12c 1 : 25



Enlarged Plan of Proposed Corridor Millwork **4** A8.00 A8.12c 1 : 25



Elarged Plan of Proposed Kindergarten South Cubbies **1** A7.20 A8.12c 1 : 25

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

MILLWORK DETAILS AND ELEVATIONS - KINDERGARTEN & CORRIDOR

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210	13mm MELAMINE (HARDROCK MAPLE) - CABINET BACK (REFER TO SPECIFICATIONS)
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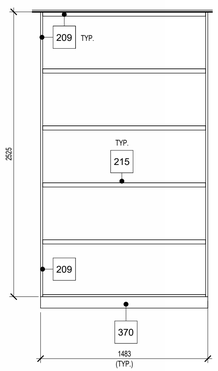
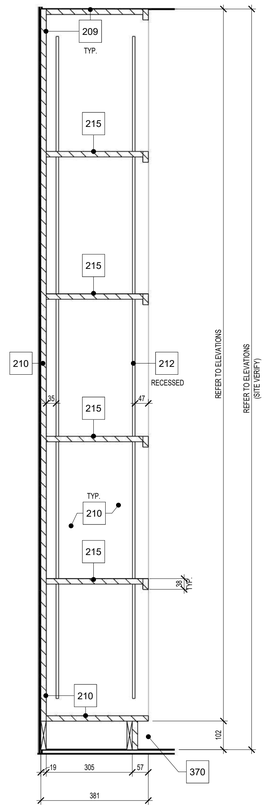
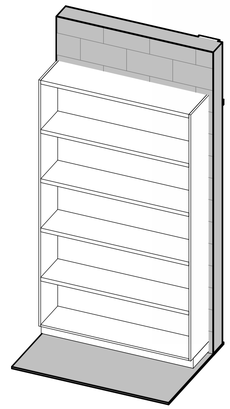
215	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - ADJUSTABLE SHELF (REFER TO SPECIFICATIONS)
218	NEW COUNTER TOP TO BE POSTFORMED D PROFILE. (PL-1), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
253	FILLER STRIP AS REQUIRED.
368	19mm MELAMINE (HARDROCK MAPLE) ADJUSTABLE SHELF WITH 3mm PVC EDGES
370	100mm (4") BLACK WALL BASE FOR ALL VCT FLOORS/CARPET AND SPORTS FLOORS, AS MANUFACTURED BY ROPPE, (OR APPROVED ALTERNATE).
575	SINK AND FAUCET, SEE MECHANICAL DRAWINGS



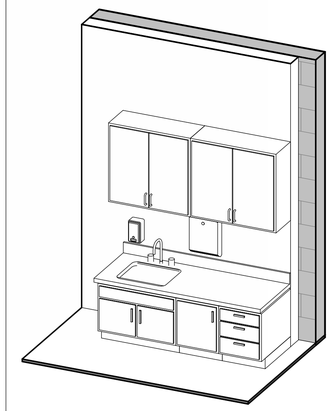
Typical Book Storage - Elevation **12** A7.21A8.12d 1 : 25



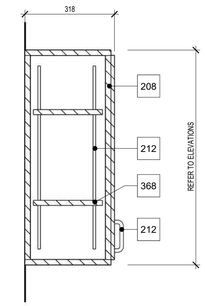
Typical Book Shelving - Section **10** A8.12dA8.12d 1 : 10



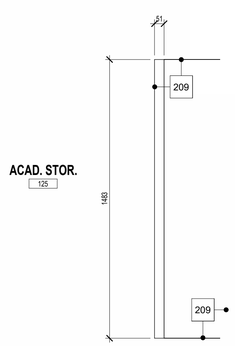
Isometric View of ACAD Storage **8** A8.12d



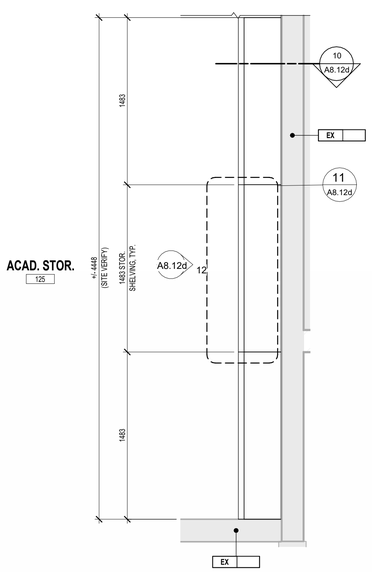
Isometric of Kindergarten Millwork **5** A8.12d



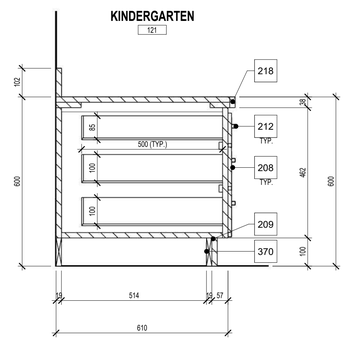
Typical Upper Cabinet - Section **3** A8.12dA8.12d 1 : 10



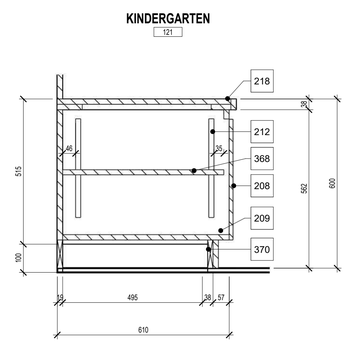
Typical Book Storage - Plan **11** A8.12dA8.12d 1 : 15



Elarged Plan of ACAD Storage Millwork **9** A7.21A8.12d 1 : 25



Kindergarten Base Cabinet - Section **7** A8.12dA8.12d 1 : 10



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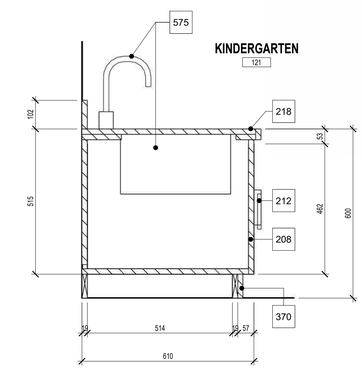
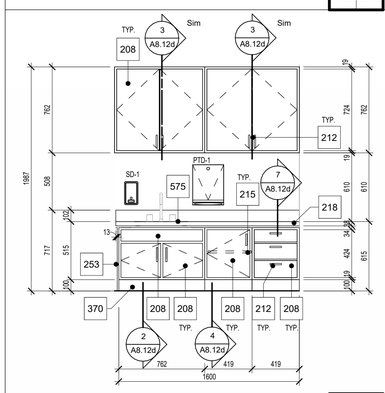
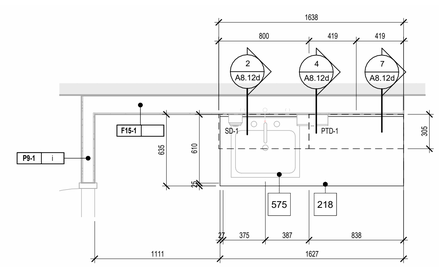


Kindergarten Base Cabinet - Section **2** A8.12dA8.12d 1 : 10



Kindergarten Millwork - Elevation **6** A8.12d 1 : 25



Elarged Plan of Proposed Kindergarten Millwork **1** A7.20A8.12d 1 : 25

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

MILLWORK DETAILS AND ELEVATIONS - KINDERGARTEN

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plot date:	2026-04-24 3:17:39 PM

drawing number:

A8.12d

Keynote Legend

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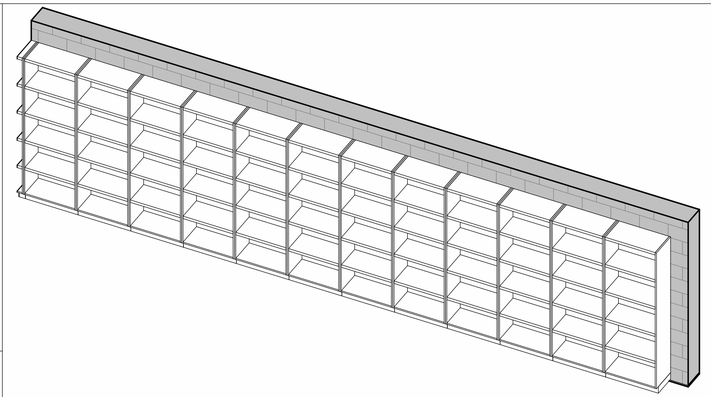
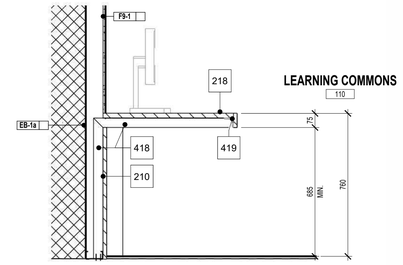
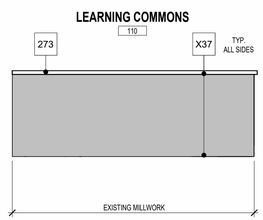
210	13mm MELAMINE (HARDROCK MAPLE) - CABINET BACK (REFER TO SPECIFICATIONS)
215	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - ADJUSTABLE SHELF (REFER TO SPECIFICATIONS)
218	NEW COUNTER TOP TO BE POSTFORMED D PROFILE. (PL-1), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
273	NEW SOLID SURFACE COUNTERTOP. (S-1), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
370	100mm (4") BLACK WALL BASE FOR ALL VCT FLOORS/CARPET AND SPORTS FLOORS, AS MANUFACTURED BY ROPPE, (OR APPROVED ALTERNATE).
418	STEEL FRAMING SUPPORTS AS REQUIRED, WELDED TO BASE PLATE AND ANCHORED TO THE FLOOR. COORDINATE MILLWORK WITH REQUIRED FRAMING.
419	50x50mm CONTINUOUS STEEL ANGLE.
X37	GC TO PREPARE EXISTING MILLWORK TO RECEIVE NEW RUBBER BASE (TYPICAL AT ALL LOCATIONS RECEIVING NEW FLOORING).



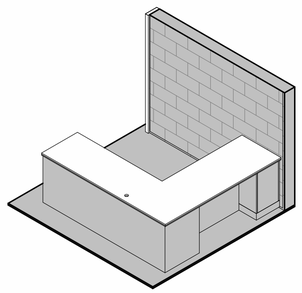
Isometric View of Typical Book Storage Millwork **7** / A8.13



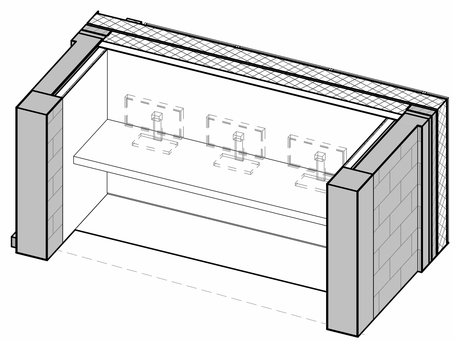
Learning Commons Desk Millwork - Section **3** / A8.13 / A8.13 — 1 : 15



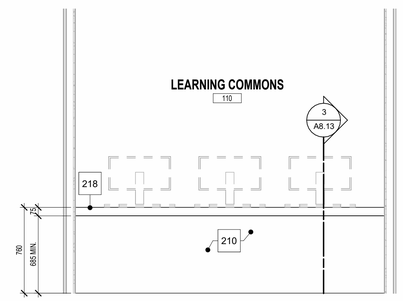
Typ. Existing Millwork - Elevation **12** / A8.13 / A8.13 — 1 : 25



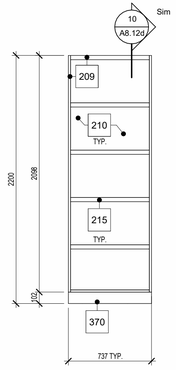
Isometric View of Existing Millwork Desk **9** / A8.13



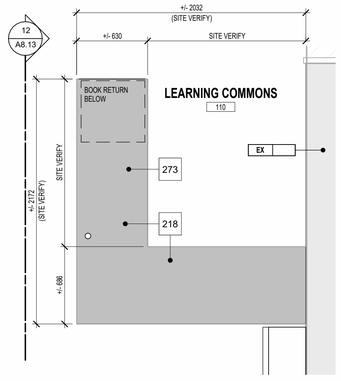
Isometric View of Learning Commons Desk Millwork **5** / A8.13



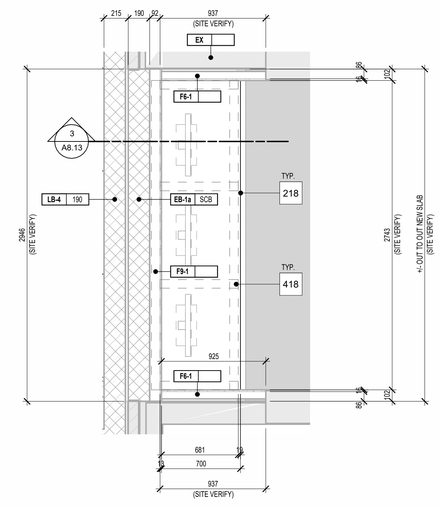
Learning Commons Millwork Desk Area - Elevation **2** / A8.13 — 1 : 25



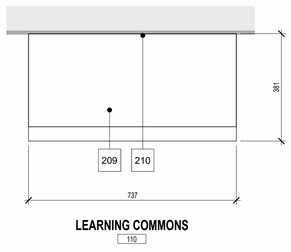
Typ. Book Storage - Elevation **11** / A8.13 — 1 : 25



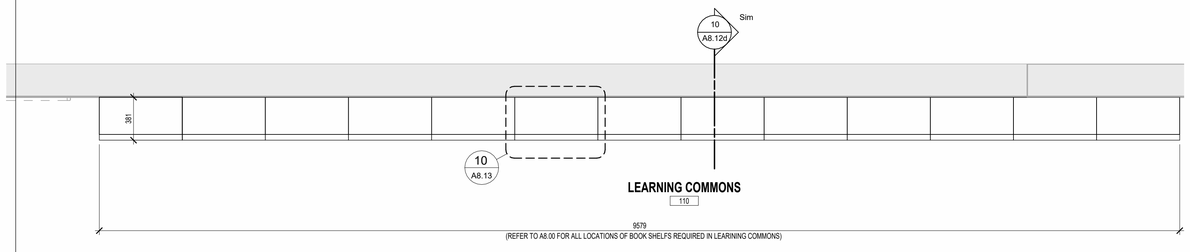
Existing Desk Millwork - Plan **8** / A8.00 / A8.13 — 1 : 25



Enlarged Plan of Learning Commons Desk Millwork **1** / A7.21 / A8.13 — 1 : 25



Typ. Book Storage - Plan **10** / A8.13 / A8.13 — 1 : 10



Typical Elarged Plan of Learning Commons Book Storage **4** / A7.21 / A8.13 — 1 : 25

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240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

MILLWORK DETAILS AND ELEVATIONS - LEARNING COMMONS

PN TN

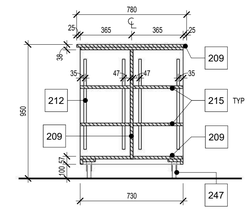
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:17:48 PM

drawing number:

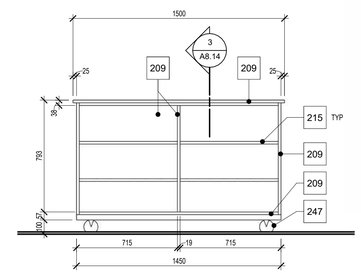
A8.13

Keynote Legend

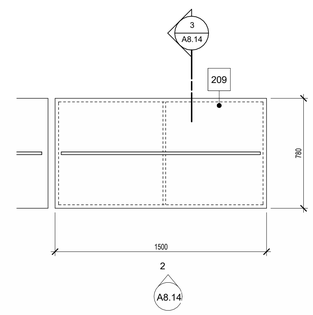
Item	Description
209	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET GABLE, TOP AND BOTTOM (REFER TO SPECIFICATIONS)
212	CABINET HARDWARE INCLUDING PULLS, HINGES, LOCKS, SHELF SUPPORT, ADJUSTABLE FOOT, ETC. (REFER TO SPECIFICATIONS)
215	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - ADJUSTABLE SHELF (REFER TO SPECIFICATIONS)
247	INDUSTRIAL STAINLESS STEEL 304 & PU CASTER WITH PLATE AND 4 DIAMETER WHEEL AS MANUFACTURED BY RICHELIEU PRODUCT # F463324. (OR APPROVED ALTERNATE). (REFER TO SPECIFICATIONS)



Section of Learning Commons Book Cart Millwork 3 A8.14 A8.14 1 : 20



Elevation of Learning Commons Book Cart Millwork 2 A7.21 A8.14 1 : 20



Enlarged Plan of Learning Commons Book Cart Millwork 1 A7.21 A8.14 1 : 20

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St. Mark CES Addition

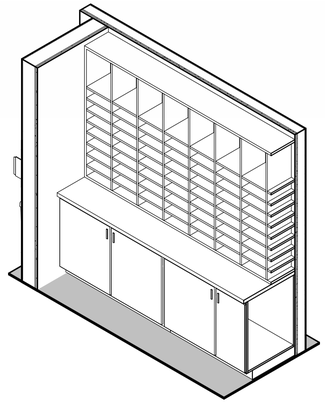
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

MILLWORK DETAILS AND ELEVATIONS - LEARNING COMMONS

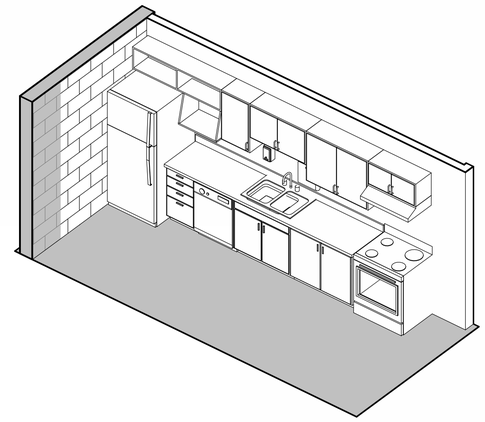
scale:	1 : 20
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:17:54 PM
drawing number:	A8.14

Keynote Legend

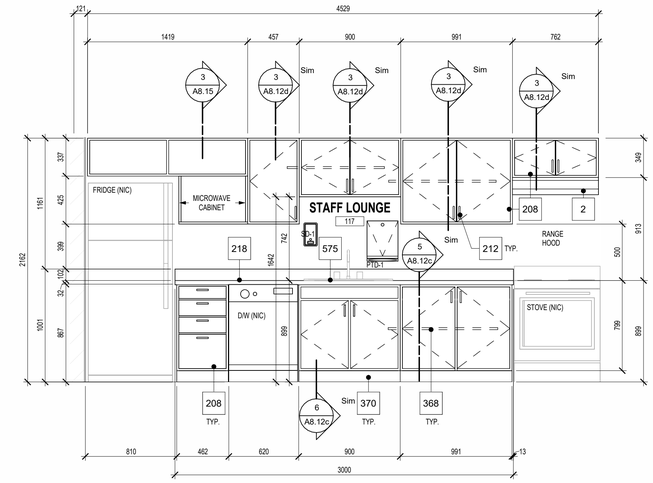
Item	Description
2	REFER TO MECHANICAL
208	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET DOOR/DRAWER (REFER TO SPECIFICATIONS).
209	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET GABLE, TOP AND BOTTOM (REFER TO SPECIFICATIONS)
210	13mm MELAMINE (HARDROCK MAPLE) - CABINET BACK (REFER TO SPECIFICATIONS)
212	CABINET HARDWARE INCLUDING PULLS, HINGES, LOCKS, SHELF SUPPORT, ADJUSTABLE FOOT, ETC. (REFER TO SPECIFICATIONS)
214	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - FIXED SHELF. (REFER TO SPECIFICATIONS)
215	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - ADJUSTABLE SHELF (REFER TO SPECIFICATIONS)
218	NEW COUNTER TOP TO BE POSTFORMED D PROFILE. (PL-1), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
368	19mm MELAMINE (HARDROCK MAPLE) ADJUSTABLE SHELF WITH 3mm PVC EDGES.
370	100mm (4") BLACK WALL BASE FOR ALL VCT FLOORS/CARPET AND SPORTS FLOORS, AS MANUFACTURED BY ROPPE, (OR APPROVED ALTERNATE).
404	GENERAL CONTRACTOR TO INFILL EXISTING OPENING WITH CMU TO MATCH EXISTING AND PAINT TO MATCH ADJACENT FINISHES.
521	CONTRACTOR TO PROVIDE ADEQUATE BLOCKING
575	SINK AND FAUCET, SEE MECHANICAL DRAWINGS



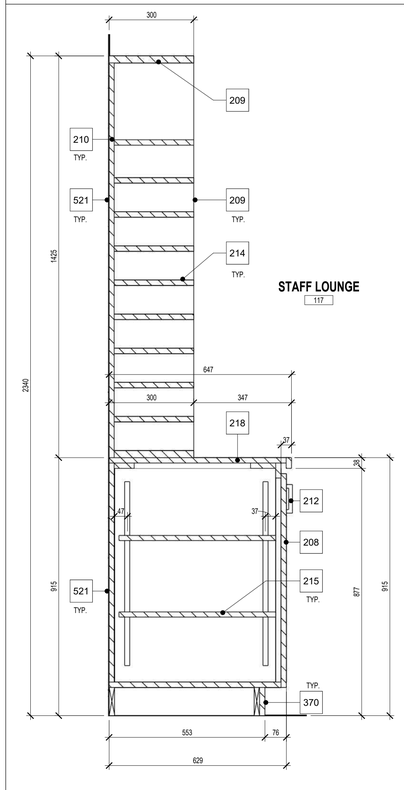
Isometric View of Staff Lounge Mailboxes **7** A8.15



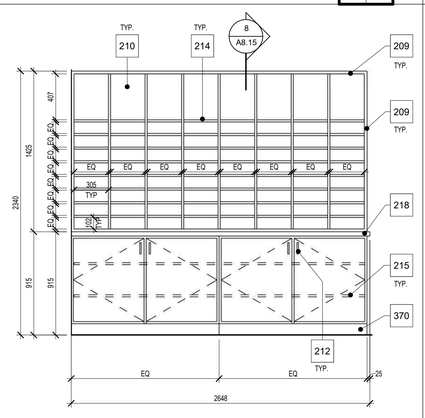
Isometric View of Staff Lounge Kitchenette **4** A8.15



Staff Lounge Kitchenette Millwork - Elevation **2** A8.15 1 : 25

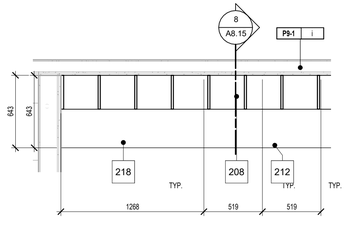


Staff Lounge Mailboxes Millwork - Section **8** A8.15 A8.15 1 : 10

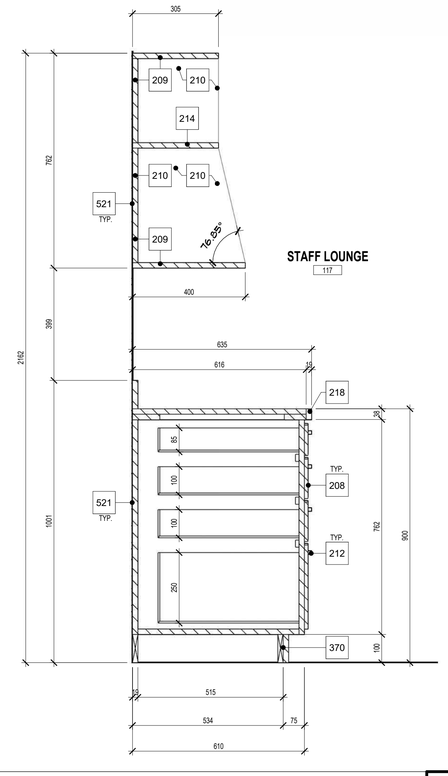


NOTE:
64 102 x 305 MAIL SLOTS
8 407 x 305 STORAGE SLOTS

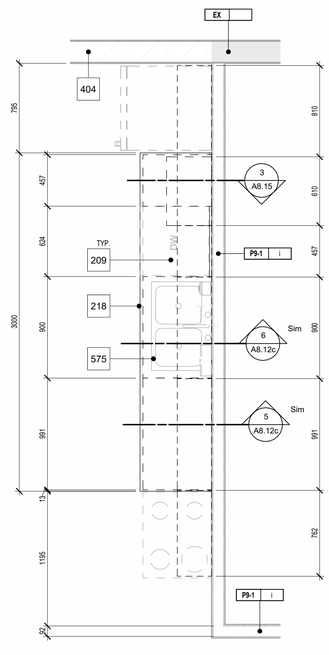
Staff Lounge Mailboxes Millwork - Elevation **6** A8.15 1 : 25



Enlarged Plan of Staff Lounge Storage **5** A7.22 A8.15 1 : 25



Staff Lounge Millwork at Microwave - Section **3** A8.15 A8.15 1 : 10



Elarged Plan of Proposed Staff Lounge Kitchenette Millwork **1** A7.22 A8.15 1 : 25

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St. Mark CES Addition

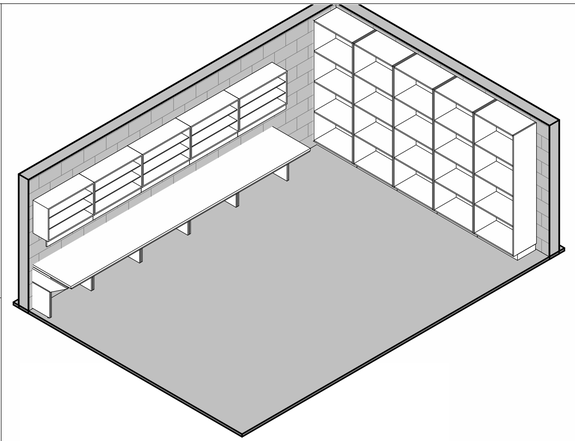
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

MILLWORK DETAILS AND ELEVATIONS - STAFF LOUNGE

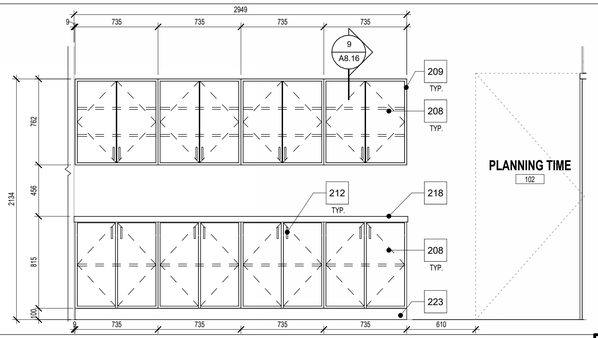
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:18:03 PM
drawing number:	**A8.15**

Keynote Legend

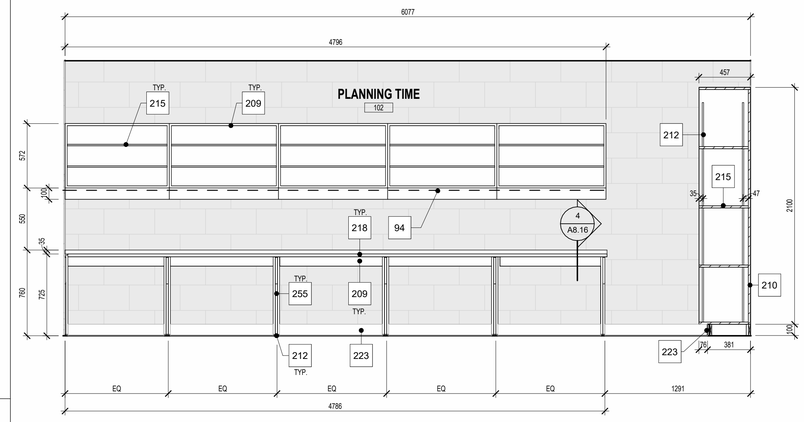
Item	Description
94	LED UNDER CABINET LIGHTING (REFER TO ELECTRICAL).
208	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET DOOR/DRAWER (REFER TO SPECIFICATIONS).
209	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET GABLE, TOP AND BOTTOM (REFER TO SPECIFICATIONS)
210	13mm MELAMINE (HARDROCK MAPLE) - CABINET BACK (REFER TO SPECIFICATIONS)
212	CABINET HARDWARE INCLUDING PULLS, HINGES, LOCKS, SHELF SUPPORT, ADJUSTABLE FOOT, ETC. (REFER TO SPECIFICATIONS)
215	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - ADJUSTABLE SHELF (REFER TO SPECIFICATIONS)
218	NEW COUNTER TOP TO BE POSTFORMED D PROFILE. (PL-1), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
223	100 mm HIGH RUBBER BASE (BY ROPPE) TOE KICK ON 19 VENEER CORE PLYWOOD.
246	LEG LEVELER WITH NUT 1/4" 20 c/w 1" ADJUSTMENT AS MANUFACTURED BY RICHELIEU PRODUCT #BP53961190 ZINC, BLACK (OR APPROVED ALTERNATE)
254	HARDWOOD BLOCKING.
255	3 LAYERS 19mm MELLAMINE (HARDROCK MAPLE) GABLE SUPPORT c/w 3mm PVC EDGE ON FRONT AND FLOOR EDGE. WAFER AND SCHRE TOGETHER.
256	19mm PLYWOOD PANEL FILLER.
257	19mm VENEER CORE PLYWOOD (COLOUR TO MATCH GABLES).
258	19mm MELLAMINE (HARDROCK MAPLE) DIVIDER c/w 3mm PVC EDGE ON FRONT AND FLOOR EDGE.
521	CONTRACTOR TO PROVIDE ADEQUATE BLOCKING



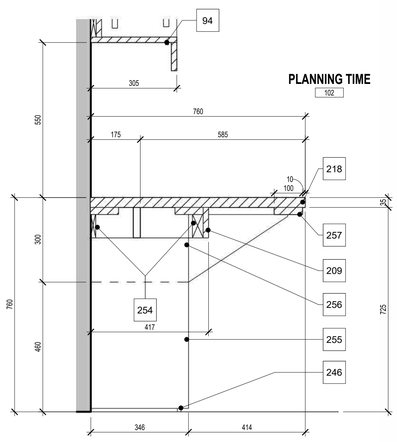
Isometric View of Planing Time Workstation Millwork **5** A8.16



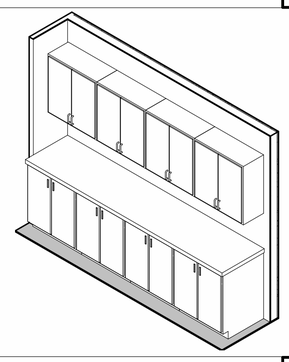
Planning Time Open Shelving - Elevation **8** A8.16 1 : 25



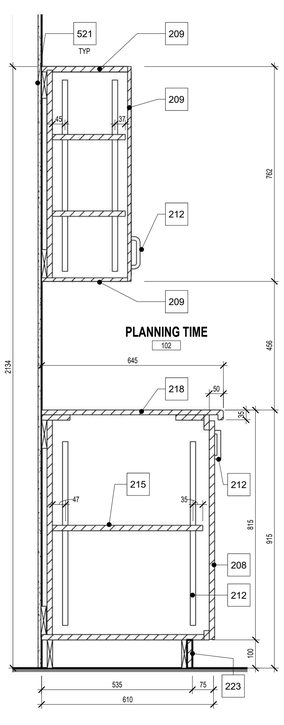
West Interior Elevation - Planning Time **2** A7.11 A8.16 1 : 25



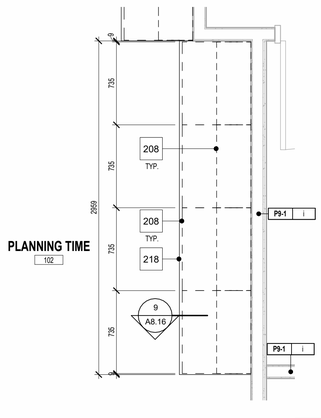
Planning Time Desk Millwork - Section **4** A8.16 A8.16 1 : 10



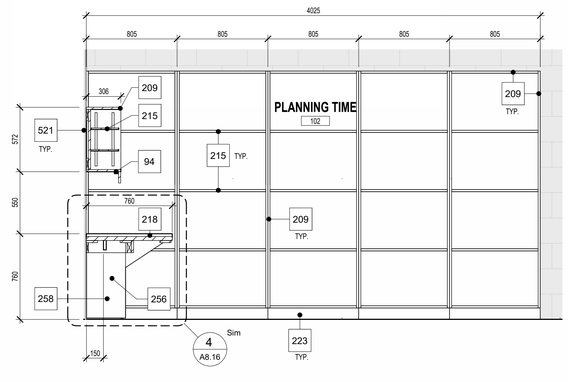
Uppers & Lowers - Isometric **7** A8.16



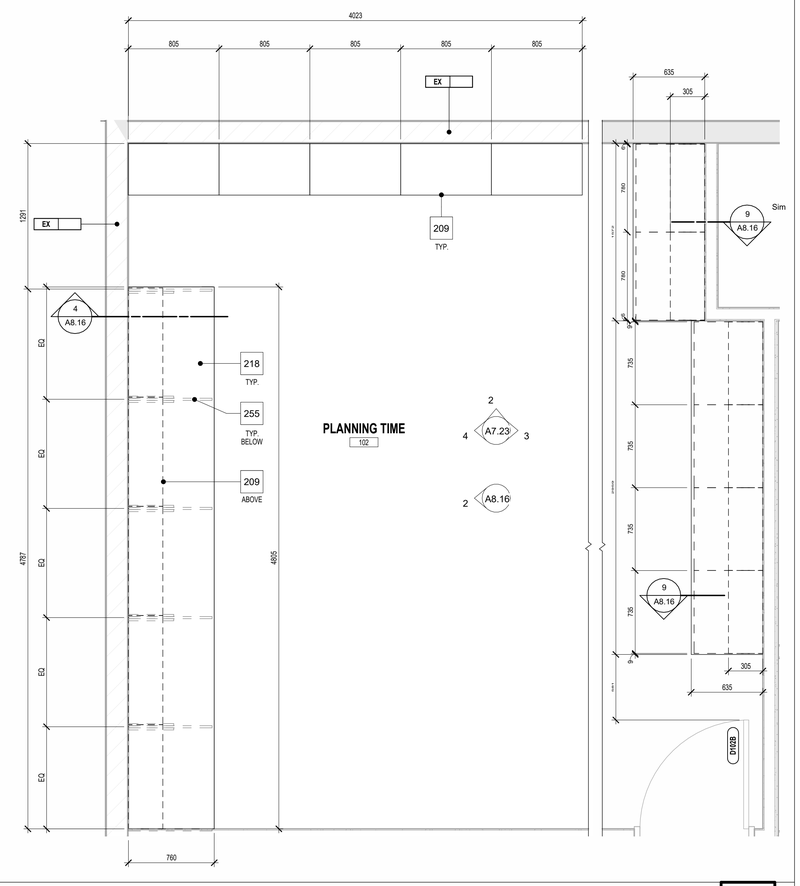
Upper & Lowers - Section **9** A8.16 A8.16 1 : 10



Uppers & Lowers - Plan **6** A8.00 A8.16 1 : 25



Millwork Desk Planning Time North Elevation **3** A8.16 1 : 25



Enlarged Plan of Proposed Planning Time Workstation Millwork **1** A7.23 A8.16 1 : 25

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

MILLWORK DETAILS AND ELEVATIONS - PLANNING TIME

scale:	As indicated
drawn by:	AH
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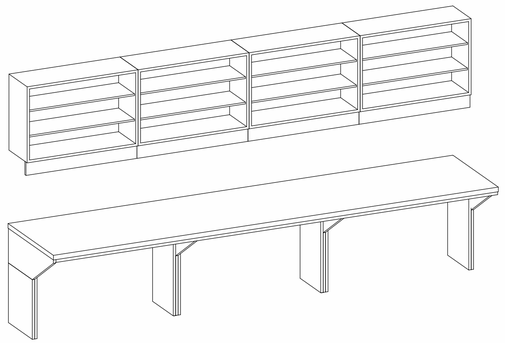
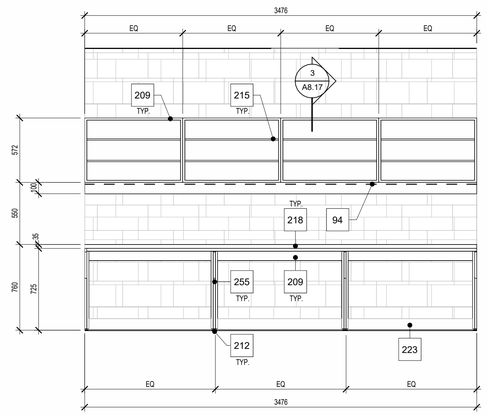
plot date:	2026-04-24 3:18:12 PM
drawing number:	**A8.16**

Keynote Legend

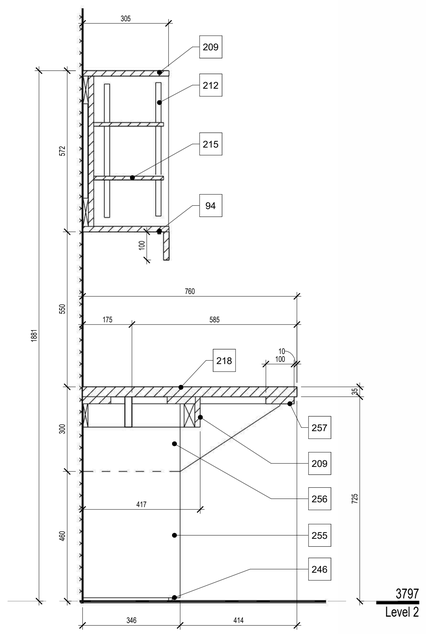
Item	Description
94	LED UNDER CABINET LIGHTING (REFER TO ELECTRICAL).
209	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET GABLE, TOP AND BOTTOM (REFER TO SPECIFICATIONS)
212	CABINET HARDWARE INCLUDING PULLS, HINGES, LOCKS, SHELF SUPPORT, ADJUSTABLE FOOT, ETC. (REFER TO SPECIFICATIONS)
215	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - ADJUSTABLE SHELF (REFER TO SPECIFICATIONS)
218	NEW COUNTER TOP TO BE POSTFORMED D PROFILE. (PL-1), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
223	100 mm HIGH RUBBER BASE (BY ROPPE) TOE KICK ON 19 VENEER CORE PLYWOOD.
225	BASKETBALL EQUIPMENT c/w TARGET AND BORDER AND ALL ASSOCIATED ACCESSORIES AND SUPPORTS BY EQUIPMENT AS MANUFACTURED BY GYMNASIUM & HEALTH EQUIPMENT OR APPROVED ALTERNATE.
246	LEG LEVELER WITH NUT 1/4" 20 c/w 1" ADJUSTMENT AS MANUFACTURED BY RICHELIEU PRODUCT #BP53961190 ZINC, BLACK (OR APPROVED ALTERNATE)
255	3 LAYERS 19mm MELLAMINE (HARDROCK MAPLE) GABLE SUPPORT c/w 3mm PVC EDGE ON FRONT AND FLOOR EDGE. WAFER AND SCHRE TOGETHER.
256	19mm PLYWOOD PANEL FILLER.
257	19mm VENEER CORE PLYWOOD (COLOUR TO MATCH GABLES).



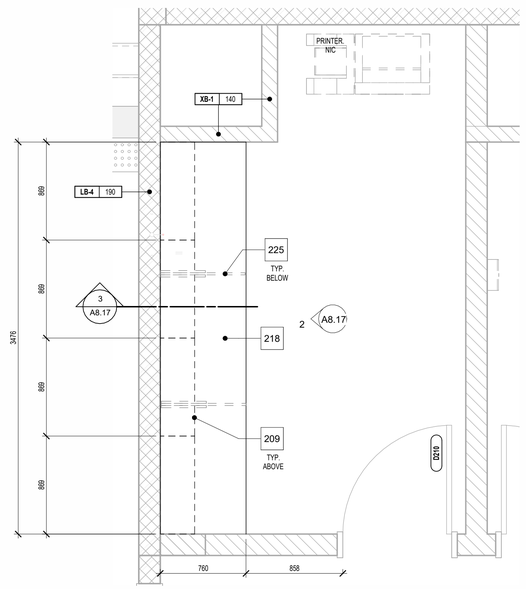
Isometric View - Office Millwork **4** A8.17



West Interior Elevation - Office Millwork **2** A8.17 A8.17 1 : 25



Section Detail - Office Millwork **3** A8.17 A8.17 1 : 10



Enlarged Plan of Proposed Office Workstation Millwork **1** A8.01 A8.17 1 : 25

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MILLWORK DETAILS AND ELEVATIONS - OFFICE

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TV

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drawing number:	**A8.17**

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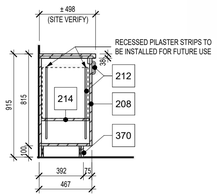
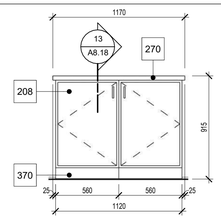
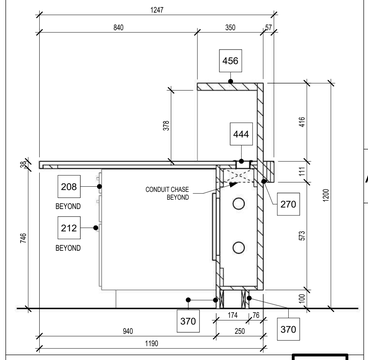
214	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - FIXED SHELF. (REFER TO SPECIFICATIONS)
215	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - ADJUSTABLE SHELF (REFER TO SPECIFICATIONS)
270	LED STRIP LIGHTING. (REFER TO ELECTRICAL)
271	REMOVABLE ACCESS PANEL TO BE PLASTIC LAMINATE FINISH.
273	NEW SOLID SURFACE COUNTERTOP. (S-1), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
370	100mm (4") BLACK WALL BASE FOR ALL VCT FLOORS/CARPET AND SPORTS FLOORS, AS MANUFACTURED BY ROPPE, (OR APPROVED ALTERNATE).
443	COORDINATE CUT OUTS WITH DIVISION 16.
444	QUANTITY & LOCATIONS OF GROMMETS TO BE DETERMINED ON SITE BY OWNER.
456	NEW RECEPTION DESK GABLE/TOP (PL-1), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)



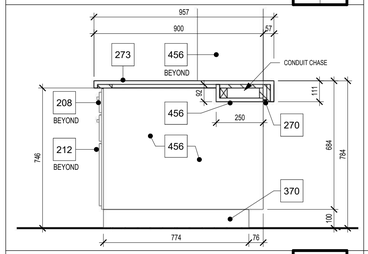
Anouncement Millwork - Section **13** A8.18 | A8.18 — 1 : 25



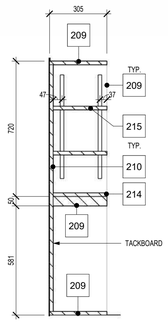
Anouncement / Sign In Millwork **12** A7.24 | A8.18 — 1 : 25



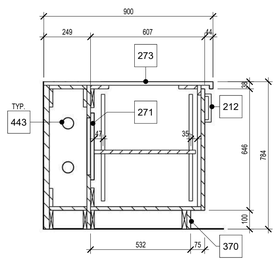
Admin Desk Millwork - Section **11** A8.18 | A8.18 — 1 : 15



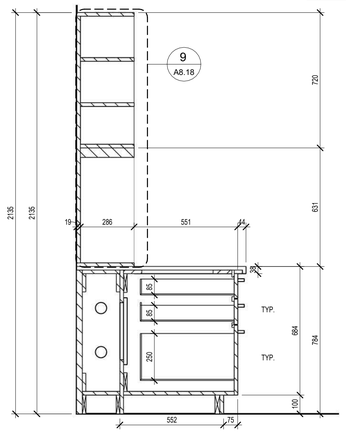
Admin Desk Millwork - Section **10** A8.18 | A8.18 — 1 : 15



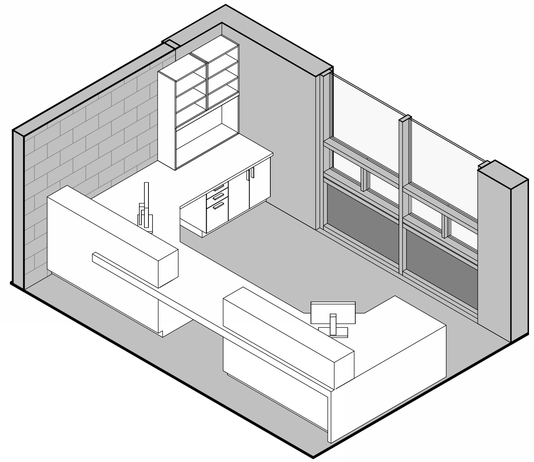
Admin Desk Shelving - Section **9** A8.18 | A8.18 — 1 : 15



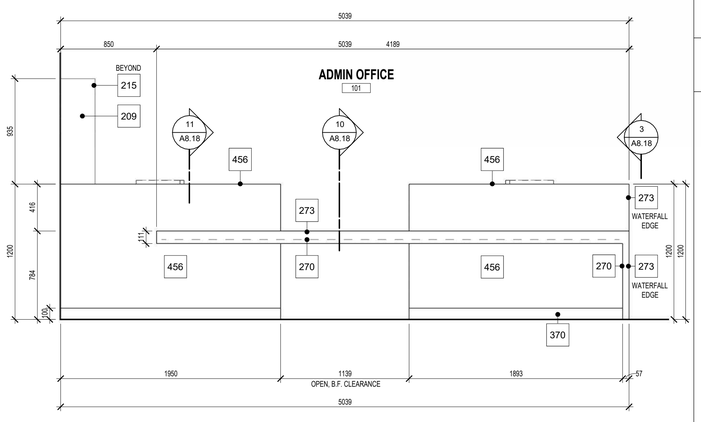
Admin Desk Millwork Base - Section **8** A8.18 | A8.18 — 1 : 15



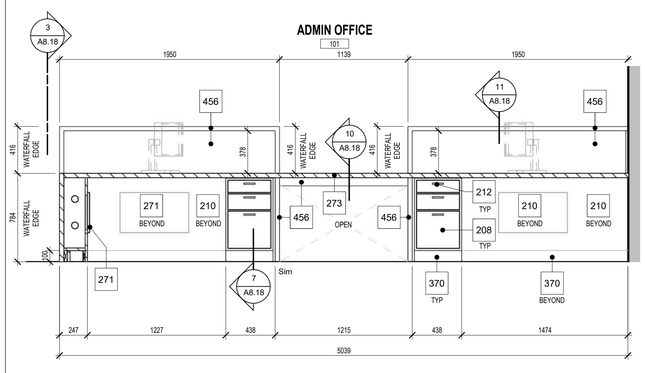
Admin Desk Millwork - Section **7** A8.18 | A8.18 — 1 : 15



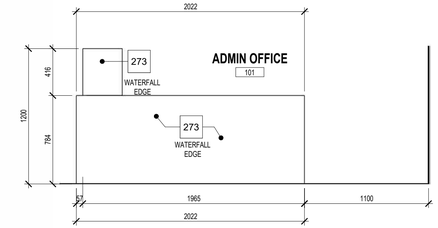
Isometric View at New Admin Desk **6** A8.18



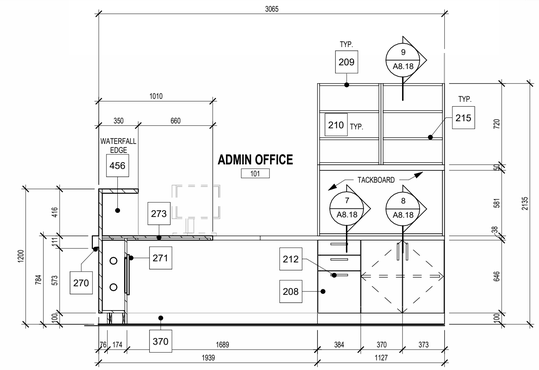
Admin Desk Millwork - Elevation (Exterior) **5** A8.18 — 1 : 25



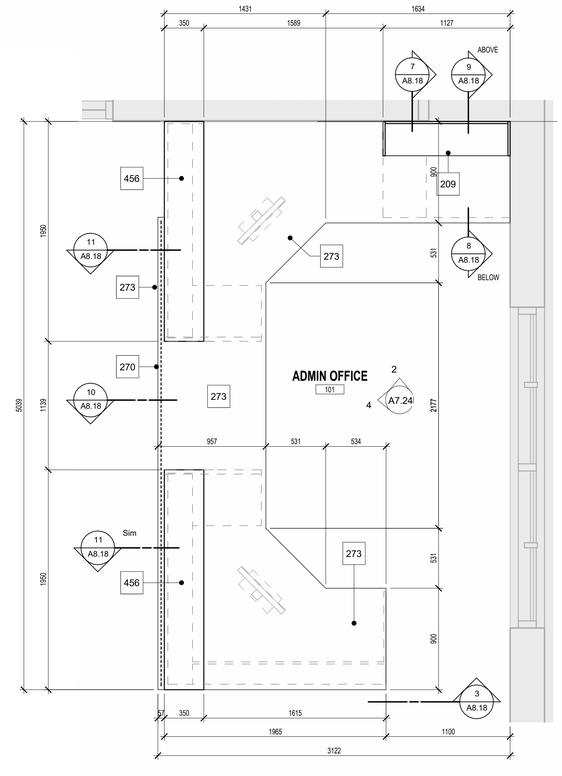
Admin Desk Millwork - Elevation (Interior) **4** A8.18 — 1 : 25



Admin Desk Millwork - Elevation (Side) **3** A8.18 | A8.18 — 1 : 25



Admin Desk Millwork - Elevation (Side) **2** A8.18 — 1 : 25



Enlarged Plan - Admin Desk Millwork **1** A7.24 | A8.18 — 1 : 25

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#	date:	revision:
7	2026.04.24	Issued For Tender
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St. Mark CES Addition

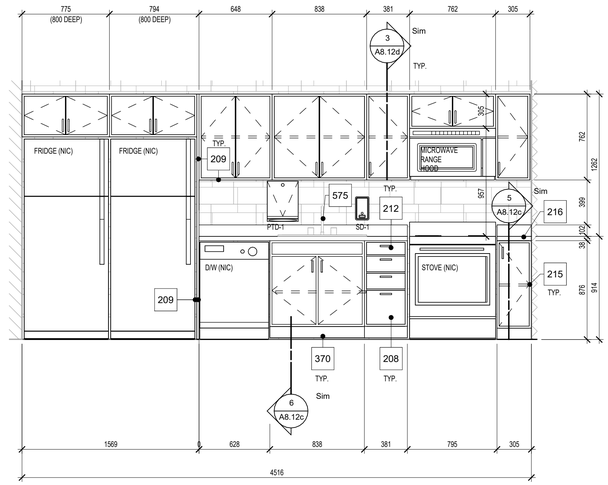
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

MILLWORK DETAILS AND ELEVATIONS - ADMIN OFFICE

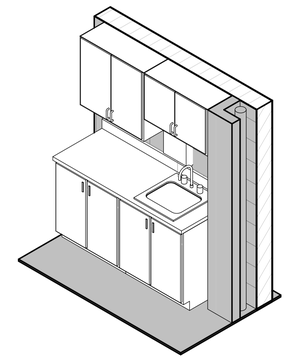
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:18:26 PM
drawing number:	**A8.18**

Keynote Legend

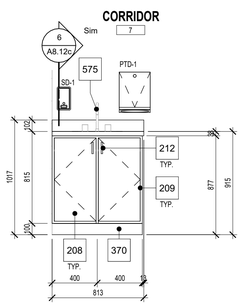
Item	Description
208	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET DOOR/DRAWER (REFER TO SPECIFICATIONS).
209	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET GABLE, TOP AND BOTTOM (REFER TO SPECIFICATIONS)
212	CABINET HARDWARE INCLUDING PULLS, HINGES, LOCKS, SHELF SUPPORT, ADJUSTABLE FOOT, ETC. (REFER TO SPECIFICATIONS)
215	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - ADJUSTABLE SHELF (REFER TO SPECIFICATIONS)
216	NEW COUNTER TOP TO BE POSTFORMED D PROFILE. (PL-2), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
218	NEW COUNTER TOP TO BE POSTFORMED D PROFILE. (PL-1), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
370	100mm (4") BLACK WALL BASE FOR ALL VCT FLOORS/CARPET AND SPORTS FLOORS, AS MANUFACTURED BY ROPPE, (OR APPROVED ALTERNATE).
575	SINK AND FAUCET, SEE MECHANICAL DRAWINGS



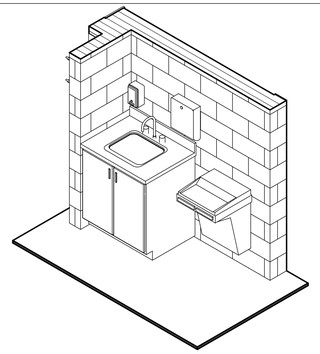
Servery Millwork - Elevation **5** A8.19 1 : 25



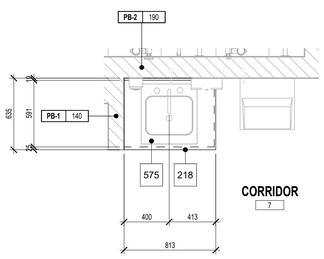
Isometric View of Health Millwork **3** A8.19



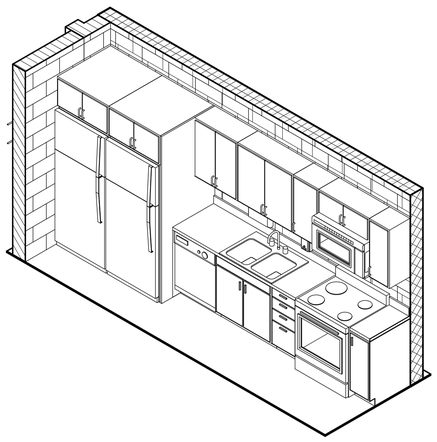
Corridor 7 Millwork - Elevation **9** A8.19 1 : 25



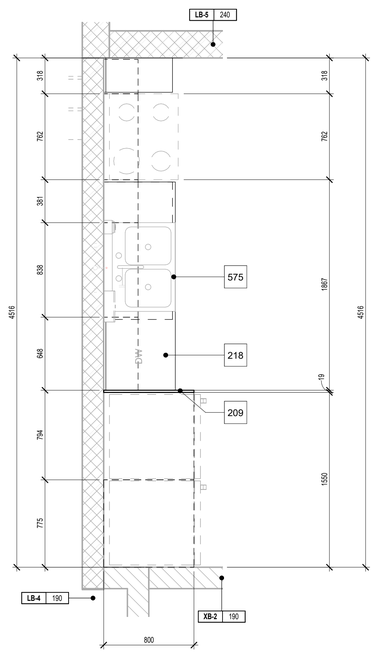
Isometric View of Corridor 7 Millwork at Sink **7** A8.19



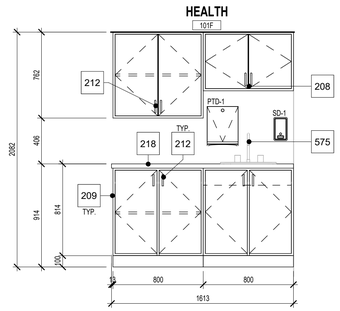
Enlarged Plan of Corridor 7 Millwork **8** A8.01 A8.19 1 : 25



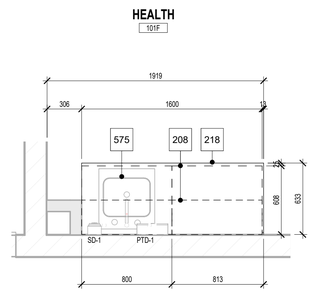
Isometric View of Servery Kitchenette **6** A8.19



Enlarged Plan of Proposed Servery Kitchenette Millwork **4** A8.00 A8.19 1 : 25



Health Millwork - Elevation **2** A8.19 1 : 25



Enlarged Plan of Proposed Health Millwork **1** A8.00 A8.19 1 : 25

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#	date:	revision:
7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

MILLWORK DETAILS AND ELEVATIONS - HEALTH

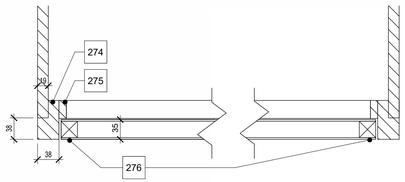
scale:	1 : 25
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:18:34 PM

drawing number:

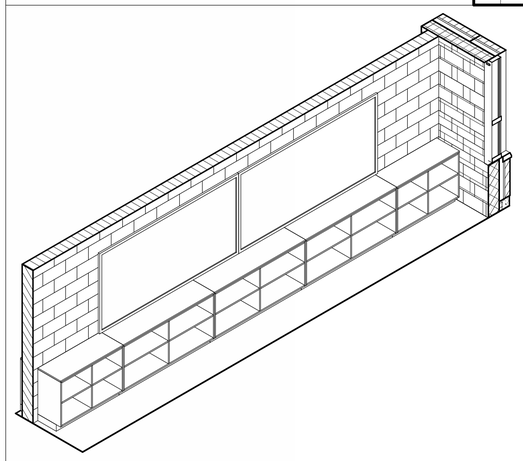
A8.19

Keynote Legend

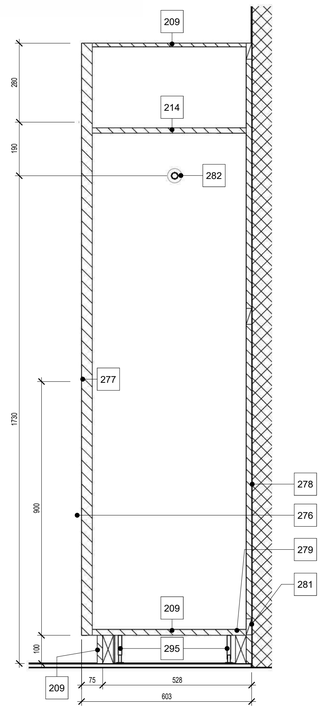
Item	Description
208	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET DOOR/DRAWER (REFER TO SPECIFICATIONS).
209	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - CABINET GABLE, TOP AND BOTTOM (REFER TO SPECIFICATIONS)
210	13mm MELAMINE (HARDROCK MAPLE) - CABINET BACK (REFER TO SPECIFICATIONS)
214	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - FIXED SHELF. (REFER TO SPECIFICATIONS)
215	19mm MELAMINE (HARDROCK MAPLE) c/w 3mm PVC EDGE - ADJUSTABLE SHELF (REFER TO SPECIFICATIONS)
216	NEW COUNTER TOP TO BE POSTFORMED D PROFILE. (PL-2), (OR APPROVED ALTERNATE). (REFER TO ARCHITECTURAL FINISHES / SPECIFICATIONS)
222	TEACHERS CLOSET LEVER HARDWARE WITH KEYING LOCK SET. (REFER TO SPECIFICATIONS).
239	2440 X 1220 WHITEBOARD.
240	1220 X 1220 TACKBOARD.
251	NEW 28mm DIA. STAINLESS STEEL COAT ROD C/W FLANGES
274	38x70 SOLID BIRTH FRAME.
275	13X32 DOOR STOP.
276	35mm SOLID CORE DOOR.
277	THUMB TURN ON INSIDE.
278	6mm BACK.
279	38x100 FRAMING.
281	13x38mm NAILER STRIPS - TYP. AT TOP, BOTTOM & MID-HEIGHT.
282	COAT ROD C/W ROD PLATES.
295	AJDUSTABLE CABINET LEVELLER.
370	100mm (4") BLACK WALL BASE FOR ALL VCT FLOORS/CARPET AND SPORTS FLOORS, AS MANUFACTURED BY ROPPE, (OR APPROVED ALTERNATE).



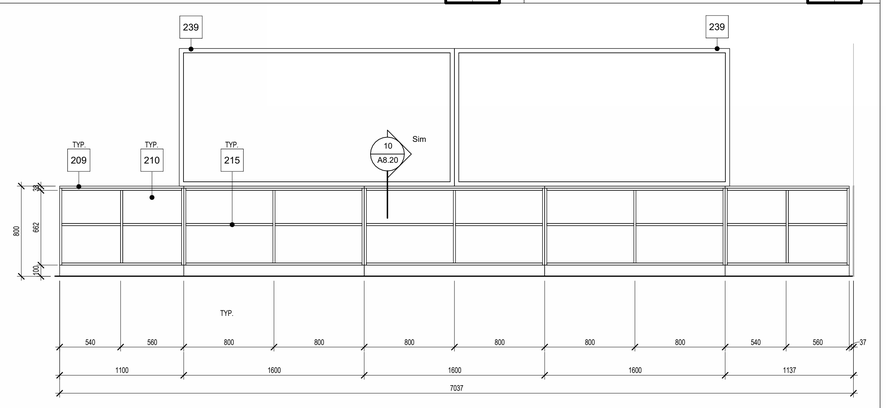
Classroom Storage Solid Frame - Plan Detail **9** A8.20 A8.20 1 - 5



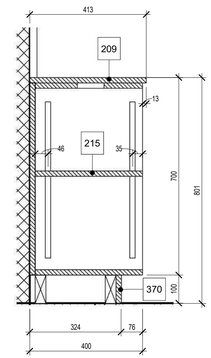
Isometric View of Typical Classroom Shelving Millwork **8** A8.20



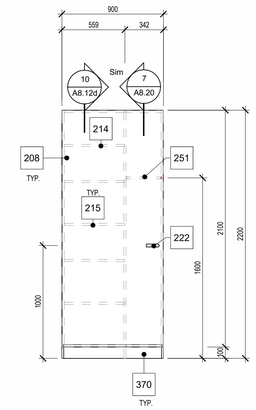
Cabinet - Section **7** A8.20 A8.20 1 - 10



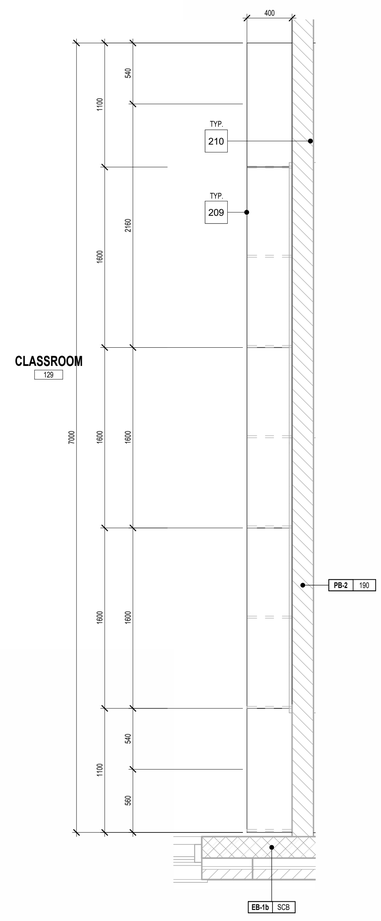
Typical Classroom Shelving - Elevation **6** A8.20 1 - 25



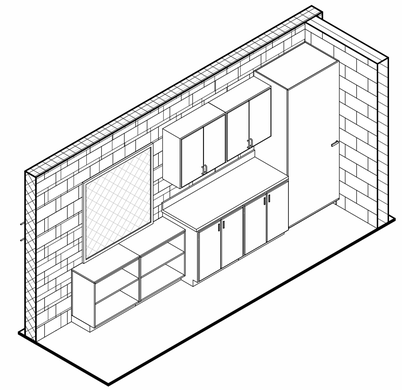
Typ. Section **10** A8.12b A8.20 1 - 10



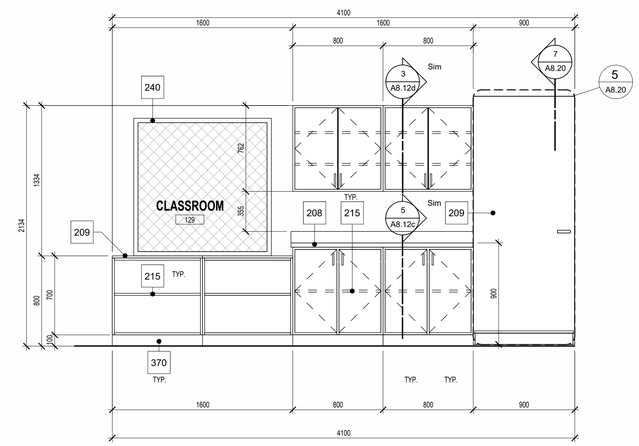
Typical Classroom Storage - Elevation **5** A8.20 A8.20 1 - 25



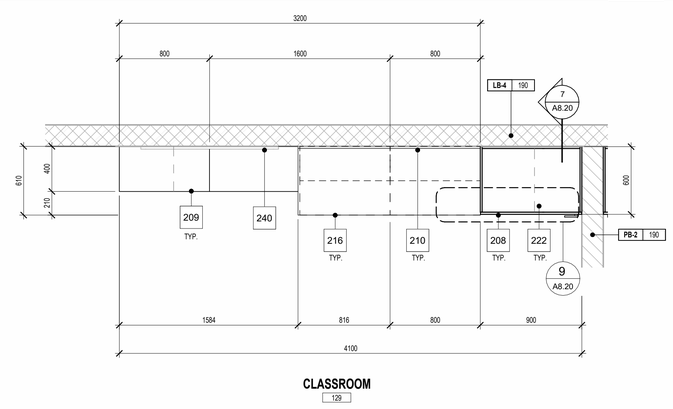
Typ. Enlarged Plan - Classroom Shelving **4** A8.00 A8.20 1 - 25



Isometric View of Typical Classroom Storage Millwork **3** A8.20



Typical Interior Elevation - Classroom Storage Millwork **2** A8.20 1 - 25



Typical Enlarged Plan - Classroom Storage Millwork **1** A7.30 A8.20 1 - 25

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

MILLWORK DETAILS AND ELEVATIONS - CLASSROOM (TYPICAL)

PN TV

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:18:43 PM

drawing number:

A8.20

DOOR SCHEDULE

DOOR NUMBER	ROOM NUMBER	ROOM NAME	DOOR & FRAME SYSTEM: FIRE RATING	MAX. TEMP. RISE LIMIT (°C)	HARDWARE GROUP	ELECTRONIC HARDWARE: SECURITY	CONTROL	ACTION	DOOR PANEL: PANEL TYPE	PANEL MATERIAL	PANEL FINISH	PANEL SIZE: LEFT PANEL	RIGHT PANEL	TOTAL PANEL WIDTH	Width	DOOR PANEL: PANEL SIZE: PANEL HEIGHT	UNDERCUT	PANEL GLAZ. TYPE	PANEL GALZ. FILM TYPE	FRAME: FRAME TYPE	FRAME MATERIAL	FRAME FINISH	SIDELITE: SIDELITE GLAZ. TYPE	SIDELITE GLAZ. FILM TYPE	COMMENTS	Push Button Oparated	Level
Level 1																											
Interior																											
D01C	101C	W/R	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-		-	Level 1
D101A	101A	PRINCIPAL	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-		-	Level 1
D101B	101B	VP	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-		-	Level 1
D101C	1a	HALLWAY	3/4-HR					90	SD-1	SCWD	STN	965	0	965	965	2134	-			F1	HM	PT	-	-		-	Level 1
D101D	101D	W/R	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-		-	Level 1
D101E	101E	MEETING ROOM	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-		-	Level 1
D101F	101F	HEALTH	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-		-	Level 1
D101H	101G	OSR	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-		-	Level 1
D102A	102	PLANNING TIME	3/4-HR					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-	CLOSURE / ACOUSTIC GASKET	-	Level 1
D102B	102	PLANNING TIME	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-	ACOUSTIC GASKETS	-	Level 1
D110A	110	LEARNING COMMONS	3/4-HR					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-	CLOSURE	-	Level 1
D110C	110C	LIBR. OFFICE	-					90	SD-1	SCWD	STN	914	0	914	914	2134	-	-	-	F1	HM	PT	-	-		-	Level 1
D116	116	W/R	3/4-HR					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-	CLOSURE	-	Level 1
D117A	117	STAFF LOUNGE	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-			F1	HM	PT					Level 1
D117B	117	STAFF LOUNGE	-					90	DD-2	SCWD	STN	711	711	1422	1422	2134			-	F1	HM	PT	-	-			Level 1
D117C	117	STAFF LOUNGE	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-		-	F1	HM	PT	-	-	CLOSURE	-	Level 1
D118A	118	CONFERENCE ROOM	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-		-	F1	HM	PT	-	-		-	Level 1
D118B	118	CONFERENCE ROOM	3/4-HR					90	SD-1	SCWD	STN	965	0	965	965	2134	-		-	F1	HM	PT	-	-	CLOSURE	-	Level 1
D120A	121A	W/R	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-		-	F1	HM	PT	-	-		-	Level 1
D121	121	KINDERGARTEN	20 MIN					90	SD-2	SCWD	STN	965	0	965	965	2134	FRG			F1	HM	PT	-	-	FIRE RATED GLASS, CLOSURE	-	Level 1
D121B	20	VEST	-					90	SD-3	HM	PT	965	0	965	965	2134	GL-1	-					-	-		-	Level 1
D123	123	CLASSROOM	20 MIN					90	SD-2	SCWD	STN	914	0	914	914	2134	FRG	-		F1	HM	PT	-	-	FIRE RATED GLASS, CLOSURE, PANIC HARDWARE, SMOKE SEAL	-	Level 1
D123a	123	CLASSROOM	-			CR / ES		90	DD-3	AL	ANO-C	914	0	914	914	2134	-	-	-	F1	AL	ANO-C	-	-	ALUMINUM SCREEN SYSTEM, REFER TO WINDOW AND SCREEN DETAILS, COLOUR TO MATCH EXTERIOR WINDOWS (SAGE BROWN), PANIC HARDWARE	-	Level 1
D126	126	ELEC.	3/4-HR					90	SD-1	HM	PT	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-	CLOSURE, SMOKE SEAL	-	Level 1
D127	127	CLASSROOM	20 MIN					90	SD-2	SCWD	STN	965	0	965	965	2134	FRG	-		F1	HM	PT	-	-		-	Level 1
D128	128	CLASSROOM	20 MIN					90	SD-2	SCWD	STN	965	0	965	965	2134	FRG	-		F1	HM	PT	-	-		-	Level 1
D129	129	CLASSROOM	20 MIN					90	SD-2	SCWD	STN	965	0	965	965	2134	FRG	-		F1	HM	PT	-	-		-	Level 1
D130	130	CLASSROOM	20 MIN					90	SD-2	SCWD	STN	965	0	965	965	2134	FRG	-		F1	HM	PT	-	-		-	Level 1
D131	131	MECH./ELEC.	3/4-HR					90	SD-1	HM	PT	965	0	965	965	2134	-	-		F1	HM	PT	-	-	CLOSURE, SMOKE SEAL	-	Level 1
D133	136	W/R	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-		F1	HM	PT	-	-		-	Level 1
D134	132	W/R	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-		F1	HM	PT	-	-		-	Level 1
D134A	134A	GYM STORAGE	3/4-HR					90	SD-1	HM	PT	965	0	965	965	2134	-	-		F1	HM	PT	-	-	CLOSURE and GRILLE WITH FIRE DAMPER, SMOKE SEAL	-	Level 1
D134B	134B	SERVERY	3/4-HR					90	SD-1	HM	PT	914	0	914	914	2134	-	-		F1	HM	PT	-	-	CLOSURE, SMOKE SEAL	-	Level 1
D134C	6	CORRIDOR	3/4-HR					90	SD-2	HM	PT	965	0	965	965	2134	FRG	-		F1	HM	PT	-	-	FIRE RATED GLASS, CLOSURE, SMOKE SEAL	-	Level 1
D134D	6	CORRIDOR	3/4-HR					90	SD-2	HM	PT	965	0	965	965	2134	FRG			F1	HM	PT	-	-	FIRE RATED GLASS, CLOSURE, SMOKE SEAL	-	Level 1
D135	135	CHANGE RM (GIRL)	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-		-	Level 1
D136	133	CHANGE RM (BOY)	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-		-	Level 1
DC6	6	CORRIDOR	1.5-HR	YES, AS PER OBC 3.1.8.17		HOD		90 / 115	DD-1	HM	PT	965	965	1930	1930	2134	GL-1, FRG			F1	HM	PT	-	-	FIRE RATED GLASS, PANIC HARADWARE, CLOSURE	-	Level 1
DELEV1.1	EL1	LULA ELEV.	-					-	SP-6	-	-			941	915	2134	-	-	-	-	-	-	-	-	REFER TO ELEVATOR SHOP DRAWINGS	-	Level 1
DSTA1	STA1	STAIR A	3/4-HR	YES, AS PER OBC 3.1.8.17		HOD		135	DD-1	HM	PT	965	965	1930	1930	2134	GL-1, FRG	-		F1	HM	PT			FIRE RATED GLASS, PANIC HARADWARE, CLOSURE	-	Level 1
DSTB1A	STB 1	STAIR B	3/4-HR	YES, AS PER OBC 3.1.8.17		HOD		90 / 135	DD-1	HM	PT	965	965	1930	1930	2134	GL-1, FRG	-		F1	HM	PT	-	-	FIRE RATED GLASS, PANIC HARADWARE, CLOSURE	-	Level 1
DSTB1B	STB 1	STAIR B	3/4-HR	YES, AS PER OBC 3.1.8.17				90	SD-2	HM	PT	1015	0	1015	1015	2134	GL-1, FRG	-		F1	HM	PT	-	-	FIRE RATED GLASS, PANIC HARADWARE, CLOSURE, SMOKE SEAL	-	Level 1
Exterior																											
DE135	134	GYM B	-					90	DD-2	HM	PT	914	914	1829	1829	2134	-			F1	HM	PT	-	-	INSULATED DOOR AND FRAME	-	Level 1
DE136	136	SPRINKLER	-					90	SD-1	HM	PT	965	0	965	965	2134	-	-	-	F1	HM	PT	-	-	INSULATED DOOR AND FRAME	-	Level 1
DE137	137	STORAGE RM.	1.5-HR					90	DD-2	HM	PT	914	914	1828	1829	2134	-	-	-	F1	HM	PT	-	-	INSULATED DOOR AND FRAME, CLOSURE		Level 1
DESTA1	STA1	STAIR A	-	YES, AS PER OBC 3.1.8.17		CR / ES	PDO	90	DD-3	AL	ANO-C				1828	2133	GL-1	-		W7	AL	ANO-C	-	-	ALUMINUM SCREEN SYSTEM, REFER TO WINDOW AND SCREEN DETAILS, COLOUR TO MATCH EXTERIOR WINDOWS (SAGE BROWN), PANIC HARDWARE, CARD READER	-	Level 1
Level 1: 46																											
Level 2																											
Interior																											
D201	201	CLASSROOM	-					90	SD-2	SCWD	STN	965	0	965	965	2134	GL-1			F1	HM	PT	-	-		-	Level 2
D202	202	CLASSROOM	-					90	SD-2	SCWD	STN	965	0	965	965	2134	GL-1			F1	HM	PT	-	-		-	Level 2
D203	203	CLASSROOM	-					90	SD-2	SCWD	STN	965	0	965	965	2134	GL-1			F1	HM	PT	-	-		-	Level 2
D204	204	CLASSROOM	-					90	SD-2	SCWD	STN	965	0	965	965	2134	GL-1			F1	HM	PT	-	-		-	Level 2
D205A	205	CUSTODIAL	0 HR					90	SD-1	SCWD	STN	965	0	965	965	2134	-		-	F1	HM	PT	-	-	CLOSURE, SMOKE SEAL	-	Level 2
D206	206	UNI W/R	-				PDO	90	SD-1	SCWD	STN	965	0	965	965	2134	-		-	F1	HM	PT	-	-		YES	Level 2
D209	209	STAFF W/R	-					90	SD-1	SCWD	STN	965	0	965	965	2134	-		-	F1	HM	PT	-	-		-	Level 2
D210	210	OFFICE	-					90	SD-2	SCWD	STN	965	0	965	965	2134	GL-1	-		F1	HM	PT	-	-		-	Level 2
DELEV1.2	EL2	LULA ELEV.	-					-	SP-6	-	-			941	915	2134	-	-	-	-	-	-	-	-	REFER TO ELEVATOR SHOP DRAWINGS	-	Level 2
DSTA2	STA 2	STAIR A	3/4-HR	YES, AS PER OBC 3.1.8.17		HOD		135	DD-1	HM	PT	965	965	1930	1930	2134	GL-1, FRG	-		F1	HM	PT	-	-	FIRE RATED GLASS, PANIC HARADWARE, CLOSURE	-	Level 2
DSTB2	STB 2	STAIR B	3/4-HR	YES, AS PER OBC 3.1.8.17		HOD		108 / 180	DD-1	HM	PT	965	965	1930	1930	2134	GL-1, FRG			F1	HM	PT	-	-	FIRE RATED GLASS, PANIC HARADWARE, CLOSURE	-	Level 2
Exterior																											
D205B	205	CUSTODIAL	3/4-HR	YES, AS PER OBC 3.1.8.17		DC		90	SD-1	HM	PT	914	914	1828	914	2134	-			F1	HM	PT			CLOSURE		Level 2
DESTB2	STB 2	STAIR B	-			CR / ES		90	DD-3	AL	ANO-C				1828	2134	GL-1			W7	AL	ANO-C			ALUMINUM SCREEN SYSTEM, REFER TO WINDOW AND SCREEN DETAILS, COLOUR TO MATCH EXTERIOR WINDOWS (SAGE BROWN), PANIC HARDWARE, CARD READER-RELOCATED FROM (FORMER) EXIT 6		Level 2
Level 2: 13																											

NOTE:
1) ALL DOORS INDICATED W/ HOLD OPENS (HOD) LOCATED IN FIRE SEPARATION SHOULD HAVE A MAGNETIC HOLD OPEN DEVICE TO RELEASE UPON ACTIVATION OF THE FIRE ALARM C/W CLOSER.

GLAZING TYPE LEGEND

ABBREV	DESCRIPTION
	SINGLE PANE GLASS
GL-1	TEMPERED GLASS
GL-2	LAMINATED GLASS
GL-3	DOUBLE-GLAZED ACOUSTIC GLASS
	SEALED INSULATED GLAZING UNIT
IGU-1	DOUBLE GLAZED
IGU-1B	DOUBLE GLAZED - BIRD FRIENDLY
IGU-2	DOUBLE GLAZED - SKYLIGHT
IGU-3	TRIPLE GLAZED
IGU-3B	TRIPLE GLAZED - BIRD FRIENDLY
	FIRE RATED GLASS (OBC 3.1.8.15)
FRG	FIRE RATED GLASS
TRG	FIRE RATED TEMPERATURE RISE GLASS
	SPANDREL GLASS
SGL-1	SPANDREL GLASS - TYPE 1
SGL-2	SPANDREL GLASS - TYPE 2
	GLASS GUARDS (OBC-SB-13) (TABLE 2.1.1.1.)
GGD-1	HEAT SOAKED TEMPERED GLASS
GGD-2	HEAT STRENGTHENED LAMINATED GLASS
GGD-3	6mm TEMPERED GLASS
	SPECIALTY GLASS
MGL	MIRRORED GLASS
MWG	MILLWORK CABINET GLASS
CGL-1	COLOURED GLASS - TYPE 1
ACE-1	ACID ETCHED GLASS - TYPE 1
LOW-1	LOW IRON GLASS - TYPE 1

DOOR/SCREEN PANEL & FRAME FINISH LEGEND

ABBREV	DESCRIPTION
	PANEL & FRAME FINISH
PT	PAINT
ANO	CLEAR ANODIZED ALUMINUM
ANO-B	BLACK ANODIZED ALUMINUM
ANO-C	COLOUR ANODIZED ALUMINUM
PL	PLASTIC LAMINATE
PWDR	POWDER COAT PAINT FINISH
WDV	WOOD VENEER W/ FACTORY FINISH
STN	WOOD STAIN/SEAL FINISH SYSTEM
BRSH	BRUSHED STAINLESS STEEL
POL	POLISHED STAINLESS STEEL
MNF	MANUFACTURER'S FACTORY FINISH
VWC	VINYL COVERING

DOOR/SCREEN PANEL & FRAME MATERIAL LEGEND

ABBREV	DESCRIPTION
	PANEL & FRAME MATERIAL
ACWD	AGRIFIBRE CORE WOOD
AL	ALUMINUM
ALR	ALUMINUM (FIRE RATED)
CAG	OPEN METAL CAGE
FGL	FIBRE GLASS
GALV	GALVANIZED PRESSED STEEL
HCWD	HOLLOW CORE WOOD
HM	HOLLOW METAL
MAS	SOLID CORE MASONITE
OPN	OPENING IN PARTITION/ WALL
PC350	PC350 ALUM DOOR
PST	PRESSED STEEL
PVC	POLYVINYL CHLORIDE
RUB	RUBBER
SCWD	SOLID CORE WOOD
SST	STAINLESS STEEL
TGL	TEMPERED GLASS
WD	SOLID WOOD

DOOR/SCREEN SCHEDULE LEGEND

ABBREV	DESCRIPTION
	STATUS
DEMO/P#	DEMOLISH EXISTING DOOR + FRAME / PHASE DEMOLISHED
ETR	EXISTING TO REMAIN
TEMP/P#-P#	TEMPORARY SYSTEM / PHASE CREATED - PHASED DEMOLISHED
NEW	NEW SYSTEM
RGL	NEW GLAZING IN EXG FRAME
RPDR	NEW DOOR IN EXG FRAME
	ACTION
STANDARD DOORS	
90	90 DEGREE SWING DOOR(S)
108	108 DEGREE SWING DOOR(S)
115	115 DEGREE SWING DOOR(S)
135	135 DEGREE SWING DOOR(S)
180	180 DEGREE SWING DOOR(S)
CR	CARD READER
DA	DOUBLE ACTING DOOR SWING
DIR	DOORS SWING IN DIRECTION OF TRAVEL
DA 180	180 DEGREE - DOUBLE ACTING
DIR 180	180 DEGREE - DIRECTION OF TRAVEL DOOR
DC	DOOR CONTACT
ES	ELECTRIC STRIKE
RH	RESCUE HARDWARE
SHUTTERS AND OVERHEAD DOORS	
SO/H	SECTIONAL OVERHEAD DOOR
RCO/H	ROLLING COIL OVERHEAD DOOR
ASE	AUTOMATIC SLIDING ENTRANCE DOOR
FRSH	FIRE SHUTTER
RCSH	ROLLING COIL SHUTTER
SLIDING DOORS	
BYP	BYPASS SLIDING DOOR SYSTEM
SLD	SLIDING DOOR SYSTEM
BRN	BARN DOOR SYSTEM
ASE	AUTOMATIC SLIDING ENTRANCE DOOR
BIF	BIFOLDING DOOR SYSTEM
PD	POCKET DOOR SYSTEM
SMT	SIDE MOUNTED TRACK SYSTEM
CL	SLIDING CLOSET DOOR SYSTEM
FOLDING PARTITION SYSTEM	
FLD-T-2	TELESCOPIC CLOSURE W/ 2 PIN SUPPORT
FLD-T-C	TELESCOPIC CLOSURE W/ CENTRE PIN...
FLD	FOLDING DOOR SYSTEM
FLD-C	FOLDING DOOR SYSTEM W/ CENTRE PIN...
FLD-S	SPLIT FOLDING DOOR SYSTEM
FLD-S-C	SPLIT FOLDING DOOR SYSTEM W/ CENTRE PI...
FLD-H-2	HINGED CLOSURE W/ 2 PIN SUPPORT
FLD-H-C	HINGED CLOSURE W/ CENTRE PIN SUPPORT
SLD-T	SLIDING PARTITION W/ TELESCOPIC CLOSURE
	TEMPERATURE RISE LIMIT
250/30	250°C AFTER 30 MIN. LIMIT
250/60	250°C AFTER 60 MIN. LIMIT
	SECURITY
CR	CARD READER
BLK	BATTERY KEYPAD LOCKSET
ES	ELECTRIC STRIKE
HEL	HARDWIRED ELECTRONIC LOCKSET
MEL	MOTORIZED ELECTRIC LOCKSET
ML	MAGNETIC LOCK DEVICE
	CLOSURE
AO	ELECTRIC AUTO OPERATOR DEVICE
AOR	ROUGH-IN FOR FUTURE ELECTRIC AUTO OPERATOR DEVICE.
CL	CLOSER DEVICE*
HOD	MAGNETIC HOLD OPEN DEVICE + CLOSER
SC	SENTRONIC CLOSER
	PANEL TYPE**
SD	SINGLE DOOR
DD	DOUBLE DOOR

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#	date:	revision:
10	2026.04.24	Issued For Tender
9	2026.01.29	Permit/SPA Revisions
8	2025.12.17	Permit Revisions
7	2025.11.14	CoK Permit Comments
6	2025.10.31	Revised SPA Comments
5	2025.09.08	Issued For Permit
4	2025.09.05	Issued For SPA
3	2025.08.29	90% Client Review
2	2025.08.08	80% Client Review
1	2025.07.11	70% Client Review

All drawing and specifications are the property of the Architect. The Contractor shall verify all dimensions and information on site and report any discrepancy to Architect before proceeding.

St. Mark CES Addition

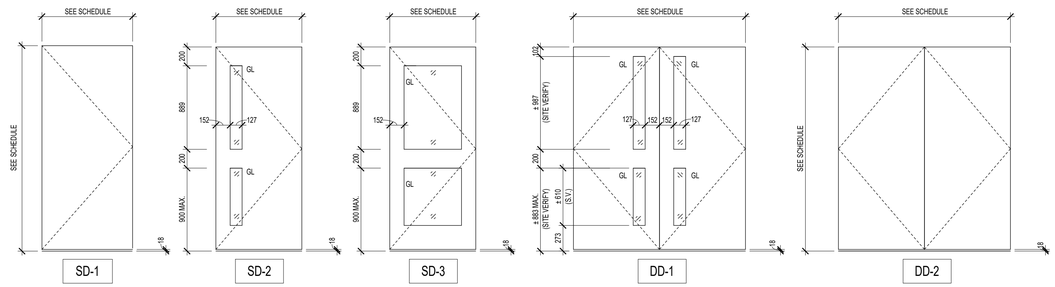
240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

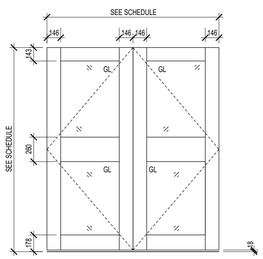
DOOR SCHEDULE

scale:
drawn by: AH
reviewed by: GG/CS
job number: 25027
plot date: 2026-04-24 3:18:53 PM
drawing number:

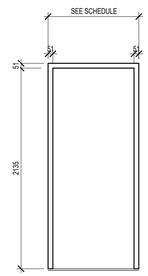
A9.01

STANDARD DOORS (SD AND DD)

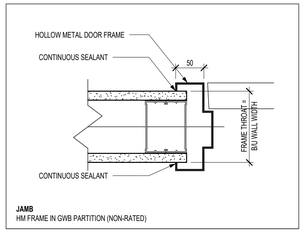


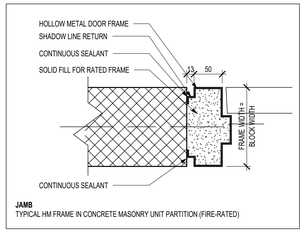


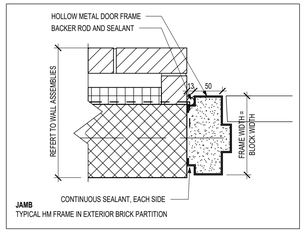
STANDARD FRAMES (HM)



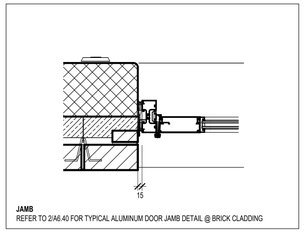
HOLLOW METAL JAMB DETAILS







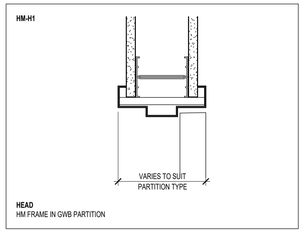
ALUMINUM FRAME JAMB DETAILS

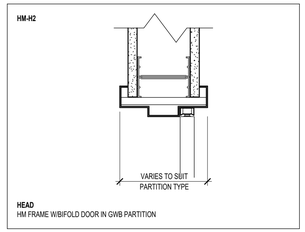


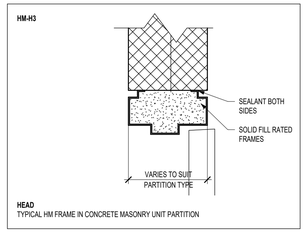
RESERVED

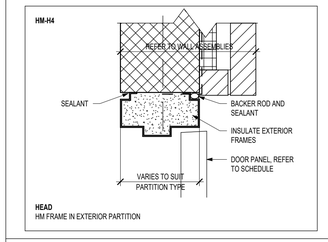
RESERVED

HOLLOW METAL HEAD DETAILS

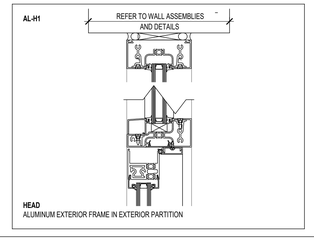








ALUMINUM FRAMING HEAD DETAILS



RESERVED

GENERAL NOTE:
FOR FULL DOOR HARDWARE REQUIREMENTS REFER TO HARDWARE SCHEDULE INCLUDED IN SPECIFICATIONS AS SUPPLIED BY WCDSB. GC TO COORDINATE FULL REQUIREMENTS ON SITE WITH EXISTING CONDITIONS.

ALL DOORS ARE TO BE FABRICATED FROM FIELD DIMENSIONS TAKEN OF EXISTING WALL OPENINGS. NEW DOORS TO BE INSTALLED AS SPECIFIED. PATCH, REPAIR & PAINT (AS NEEDED) INTERIOR/EXTERIOR SIDES OF OPENINGS/FRAMES AS NEEDED.

DOOR/SCREEN PANEL & FRAME MATERIAL LEGEND

ABBREV	DESCRIPTION
	PANEL & FRAME MATERIAL
ACWD	AGRIFIBRE CORE WOOD
AL	ALUMINUM
ALR	ALUMINUM (FIRE RATED)
CAG	OPEN METAL CAGE
FGL	FIBRE GLASS
GALV	GALVANIZED PRESSED STEEL
HCWD	HOLLOW CORE WOOD
HM	HOLLOW METAL
MAS	SOLID CORE MASONITE
OPN	OPENING IN PARTITION/ WALL
PC350	PC350 ALUM DOOR
PST	PRESSED STEEL
PVC	POLYVINYL CHLORIDE
RUB	RUBBER
SCWD	SOLID CORE WOOD
SST	STAINLESS STEEL
TGL	TEMPERED GLASS
WD	SOLID WOOD

DOOR/SCREEN PANEL & FRAME FINISH LEGEND

ABBREV	DESCRIPTION
	PANEL & FRAME FINISH
PT	PAINT
ANO	CLEAR ANODIZED ALUMINUM
ANO-B	BLACK ANODIZED ALUMINUM
ANO-C	COLOUR ANODIZED ALUMINUM
PL	PLASTIC LAMINATE
PWDR	POWDER COAT PAINT FINISH
WDV	WOOD VENEER W/ FACTORY FINISH
STN	WOOD STAIN/SEAL FINISH SYSTEM
BRSH	BRUSHED STAINLESS STEEL
POL	POLISHED STAINLESS STEEL
MNF	MANUFACTURER'S FACTORY FINISH
VWC	VINYL COVERING

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

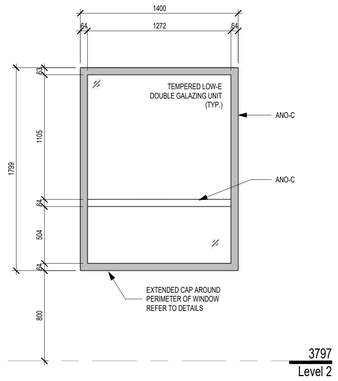
DOOR AND FRAME DETAILS

scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:19:01 PM

drawing number:

A9.02

GLAZING TYPE LEGEND	
ABBREV	**DESCRIPTION**
	SINGLE PANE GLASS
GL-1	TEMPERED GLASS
GL-2	LAMINATED GLASS
GL-3	DOUBLE-GLAZED ACOUSTIC GLASS
	SEALED INSULATED GLAZING UNIT
IGU-1	DOUBLE GLAZED
IGU-1B	DOUBLE GLAZED - BIRD FRIENDLY
IGU-2	DOUBLE GLAZED - SKYLIGHT
IGU-3	TRIPLE GLAZED
IGU-3B	TRIPLE GLAZED - BIRD FRIENDLY
	FIRE RATED GLASS (OBC 3.1.8.15)
FRG	FIRE RATED GLASS
TRG	FIRE RATED TEMPERATURE RISE GLASS
	SPANDREL GLASS
SGL-1	SPANDREL GLASS - TYPE 1
SGL-2	SPANDREL GLASS - TYPE 2
	GLASS GUARDS (OBC-SB-13) (TABLE 2.1.1.1.)
GGD-1	HEAT SOAKED TEMPERED GLASS
GGD-2	HEAT STRENGTHENED LAMINATED GLASS
GGD-3	6mm TEMPERED GLASS
	SPECIALTY GLASS
MGL	MIRRORED GLASS
MWG	MILLWORK CABINET GLASS
CGL-1	COLOURED GLASS - TYPE 1
ACE-1	ACID ETCHED GLASS - TYPE 1
LOW-1	LOW IRON GLASS - TYPE 1



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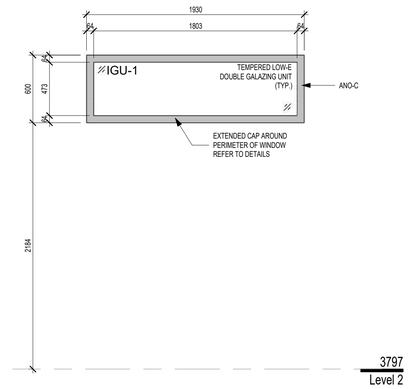

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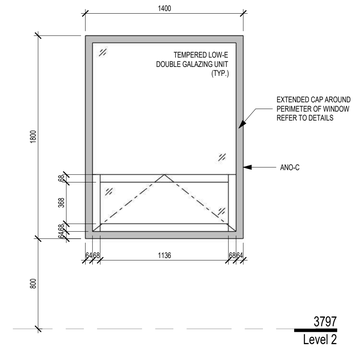

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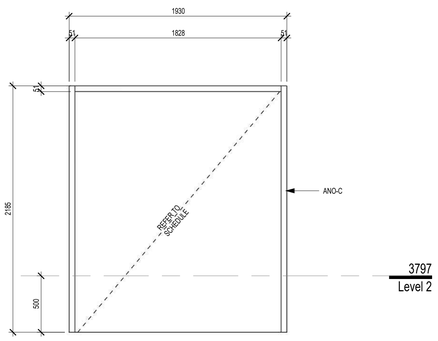

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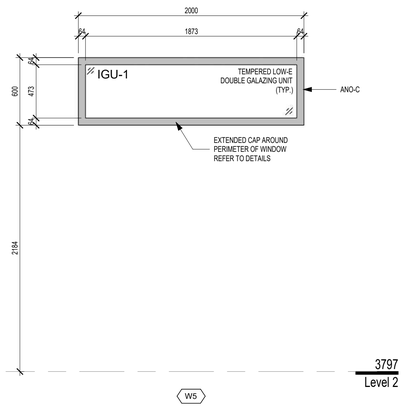

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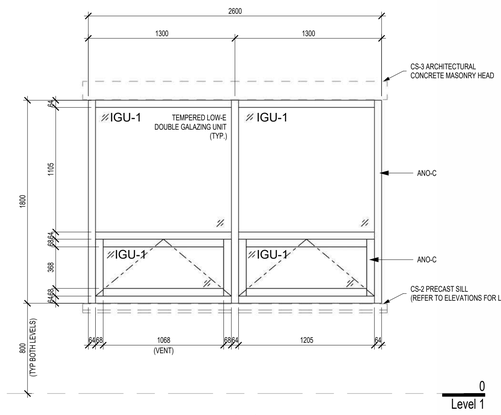

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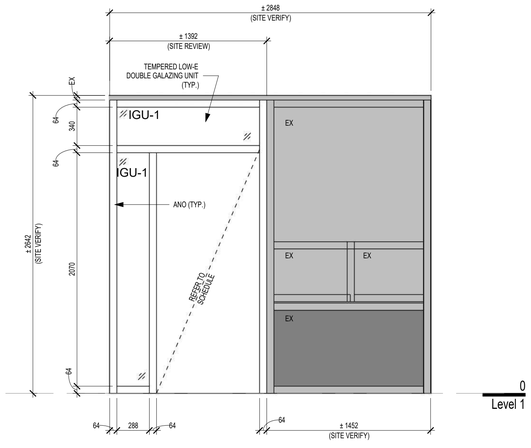

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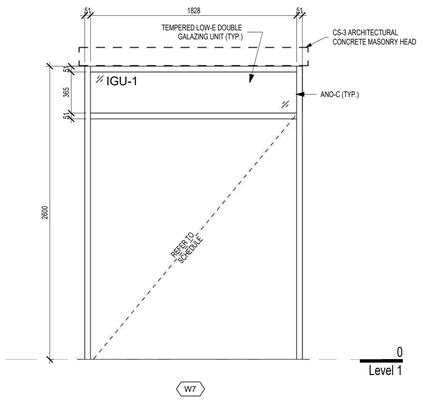

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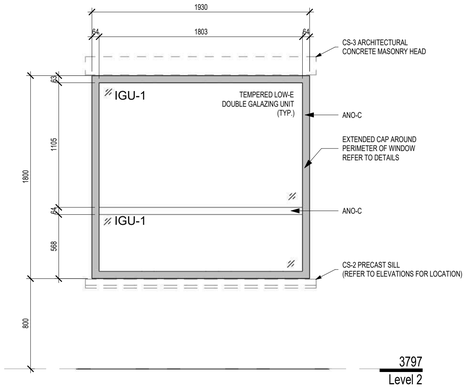

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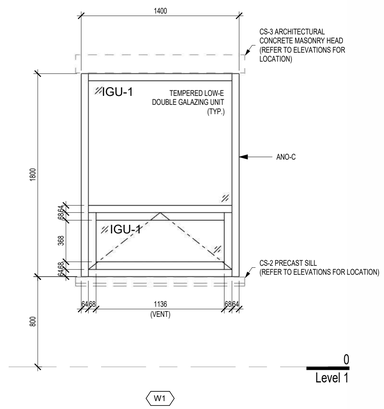

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

EXTERIOR WINDOW SCHEDULE & ELEVATIONS

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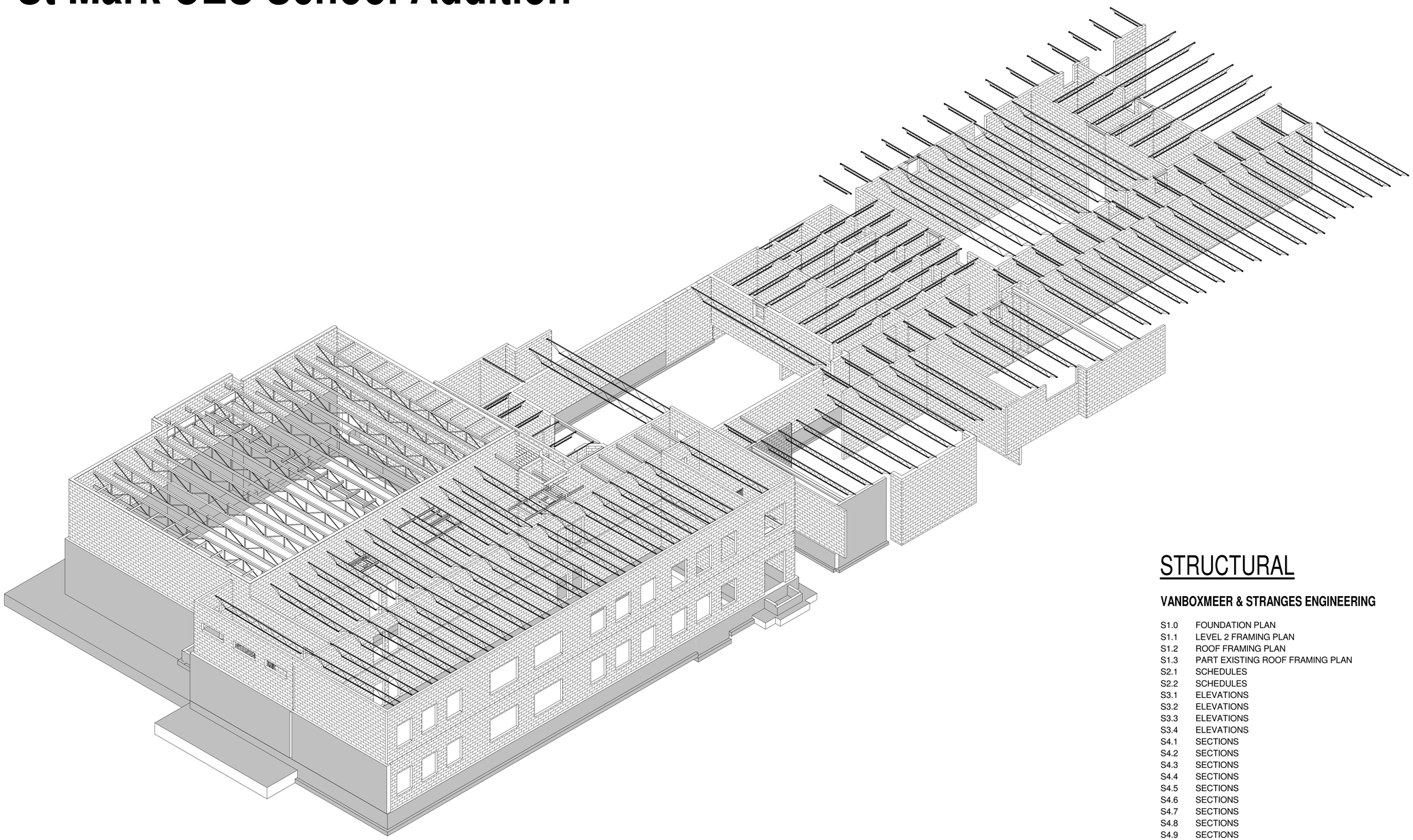
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:19:09 PM
drawing number:	

A9.10

St Mark CES School Addition



STRUCTURAL

VANBOXMEER & STRANGES ENGINEERING

S1.0	FOUNDATION PLAN
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S1.2	ROOF FRAMING PLAN
S1.3	PART EXISTING ROOF FRAMING PLAN
S2.1	SCHEDULES
S2.2	SCHEDULES
S3.1	ELEVATIONS
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S4.1	SECTIONS
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S5.1	TYPICAL DETAILS
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S5.5	TYPICAL DETAILS
S5.6	TYPICAL DETAILS
S5.7	TYPICAL DETAILS

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NOT FOR CONSTRUCTION

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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

COVER SHEET STRUCTURE

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reviewed by:	GG/CS
job number:	25027
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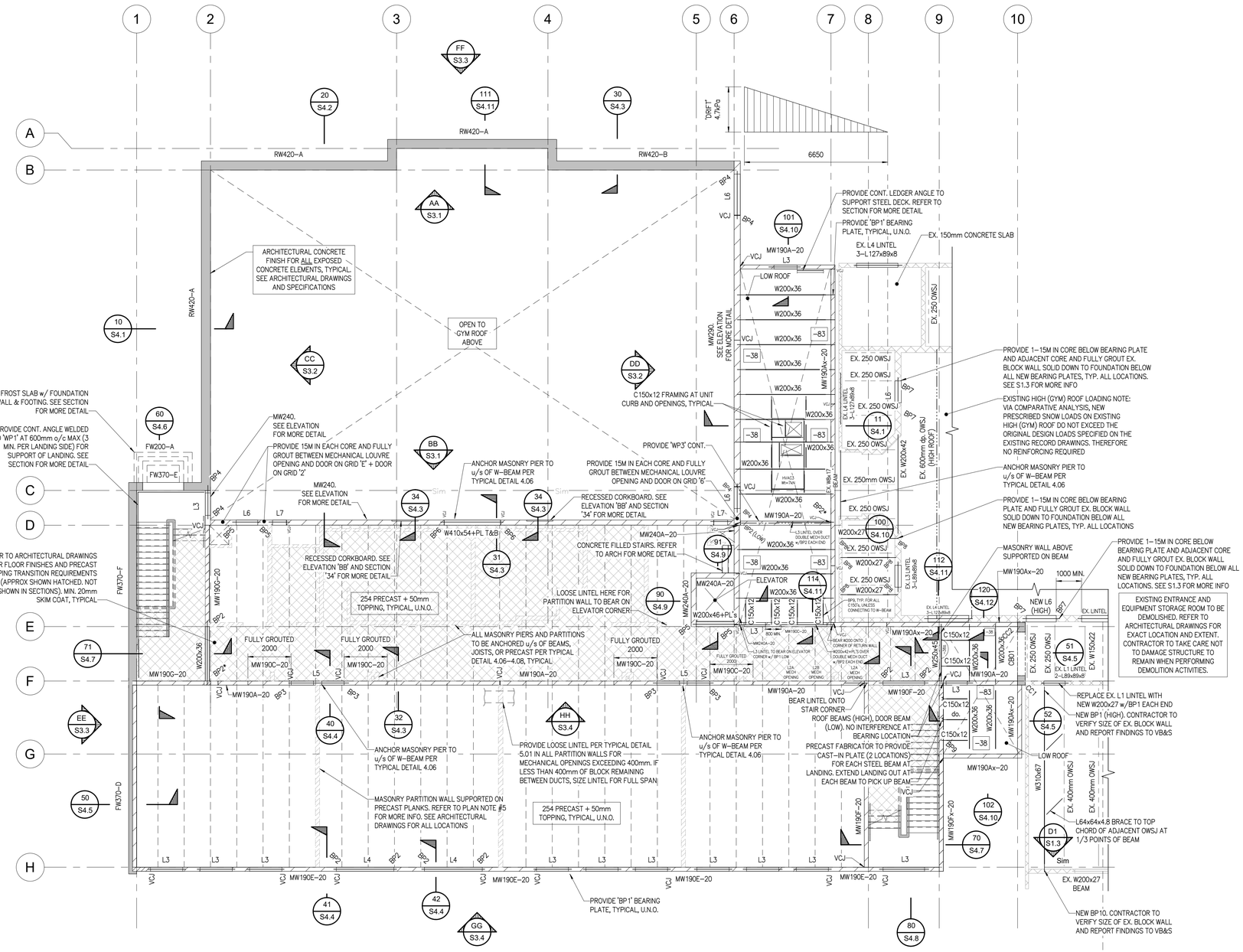

LEVEL 2 FRAMING PLAN NOTES

1. LEVEL 2 FINISHED FLOOR ELEVATION IS AT +3797 (360.397m GEODETIC). CONFIRM ALL ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
2. TYPICAL SECOND FLOOR CONSTRUCTION: 50mm TOPPING (20mm MIN. SKIM COAT, SEE PLAN) ON 254mm HOLLOWCORE PRECAST PLANKS (SEE PLAN FOR LOCATIONS) SUPPORTED ON STEEL BEAMS AND BLOCK WALLS. HOLLOWCORE PLANK SHOP DRAWINGS BEARING THE SEAL OF AN ONTARIO P.ENG. SHALL BE SUBMITTED TO THE STRUCTURAL CONSULTANT. PLANKS TO BE DESIGNED FOR ALL LOADS SHOWN ON PLANS AND IN SCHEDULES.
3. TYPICAL LOW ROOF CONSTRUCTION U.N.O.: 38mm STEEL DECK SUPPORTED BY STEEL JOISTS OR STEEL BEAMS SPACED AS SHOWN ON PLAN. STEEL DECK FABRICATOR TO DESIGN DECK AND DETERMINE DECK THICKNESS (GAUGE) BASED ON LOADS SHOWN ON PLAN AND SCHEDULE (CANAM 1.5B OR EQUAL WITH MINIMUM 0.76mm THICKNESS). NOTE AREAS WITH DRIFT LOADING MAY REQUIRE HEAVIER GAUGE DECK – DESIGNER TO VERIFY ALL LOADS. SEE ROOF FRAMING NOTES FOR ADDITIONAL INFO AS REQUIRED.
4. TYPICAL STAIR, 2ND FLOOR– AND MID–LANDINGS CONSTRUCTION:
   2ND FLOOR LANDINGS: 50mm TOPPING (20mm MIN. SKIM COAT, SEE PLAN) ON 254mm SOLIDCAST PLANKS
   MID LANDINGS: 254mm SOLIDCAST PLANKS
5. PRECAST MANUFACTURER TO CO–ORDINATE ALL BLOCK PARTITION WALLS (SHOWN THUS) AND EXTERIOR VENEER LOADING ON THE PRECAST PLANKS. REFER TO LATEST ARCHITECTURAL DRAWINGS FOR THE LOCATION OF ALL BLOCK PARTITION WALLS. 140 BLOCK WALLS W=9 kN/m. 190 BLOCK WALLS W=11 kN/m SLS.
6. SOME OPENINGS IN PRECAST CONCRETE FLOOR PLANKS ARE SHOWN ON THE FRAMING PLANS BASED ON THE LATEST MECHANICAL INFORMATION AVAILABLE TO THE CONSULTANTS. PRECAST CONCRETE FLOOR PLANK FABRICATOR TO CONFIRM AND COORDINATE ALL MECHANICAL OPENINGS AND SIZES WITH THE MECHANICAL AND GENERAL CONTRACTORS DURING THE SHOP DRAWING PHASE. SEE ALSO MECHANICAL AND ARCHITECTURAL DRAWING.
7. ALL OPENINGS IN THE PRECAST CONCRETE FLOOR SLABS NOT SHOWN ON PLAN ARE TO BE APPROVED BY THE PRECAST CONCRETE PLANK FABRICATOR.
8. INSTALL ANTI–ROTATION BARS AT THIRD POINTS OF PRECAST PLANKS IN ALL AREAS OF TO BE FINISHED WITH VINYL OR QUARRY TILES.
9. SEE ARCHITECTURAL DRAWINGS FOR COLUMN OFFSETS FROM GRID LINES.
10. SEE TYPICAL DETAIL 3.32 FOR ADDITIONAL STEEL PLATES REQUIRED FOR STEEL BEAMS SUPPORTING PRECAST CONCRETE FLOOR PLANKS. SEE TYPICAL DETAIL 5.10 FOR ADDITIONAL ANGLES WHICH MAY BE REQUIRED AT STEEL COLUMNS SUPPORTING PRECAST CONCRETE FLOOR PLANKS. REFER ALSO TO TYPICAL DETAIL 5.10 FOR PRECAST CONCRETE FLOOR PLANK SUPPORT AT STEEL COLUMNS.
11. PRECAST MANUFACTURER TO CO–ORDINATE SIZE AND LOCATION OF ALL MECHANICAL UNITS ON THE PRECAST INCLUDING THE WEIGHT OF THE HOUSEKEEPING SLABS. REFER TO TYPICAL DETAIL 3.33
12. TOP OF STEEL BEAMS ARE AT UNDERSIDE OF PRECAST PLANKS/STEEL DECK UNLESS NOTED ON PLANS THUS "(200)" BELOW TOP OF PLANK. SEE SECTIONS FOR DETAILS WHERE TOP OF STEEL BEAMS ARE RECESSED INTO THE PRECAST FLOOR PLANKS.
13. BEAMS DENOTED WITH MC ARE TO BE CONNECTED FOR FULL MOMENT AND SHEAR CAPACITY OF BEAM UNLESS NOTED OTHERWISE.
14. WHERE SHOWN, 'WP1' – CONTINUOUS DECK WELD PLATE TO BE 100x6 WITH 12mmØ ANCHORS x 300 LG + 40 HK @ 400 o/c INSTALLED INTO GROUT–FILLED TOP COURSES OF LOAD BEARING CMU WALLS.
15. ALL BEAMS ON PLAN ARE TO BEAR ON 'BP1' BEARING PLATES AT 190 MASONRY WALLS, 'BP4' BEARING PLATES AT 240 MASONRY WALLS, 'BP7' BEARING PLATES AT 290 MASONRY WALLS U.N.O ON PLAN.
16. PROVIDE A SUITABLE LINTEL FOR ALL ARCHITECTURAL AND MECHANICAL DUCT OPENINGS. REFER TO LOAD BEARING BLOCK WALL LINTEL SCHEDULE AND TYPICAL DETAIL 5.01 FOR LINTELS IN NON LOAD BEARING WALLS.
17. LINTEL BEAMS AT EXTERIOR WALLS NOTED WITH +PL** ARE TO HAVE CONTINUOUS TOP+BOTTOM PLATE AND GUSSETS HOT DIPPED GALVANIZED AS SHOWN IN SECTION '42'.
18. DESIGN THE PRECAST FLOOR, INCLUDING CONNECTIONS TO SUPPORTING ELEMENTS FOR A FACTORED DIAPHRAGM SHEAR OF 27kN/m.
19. DESIGN THE LOW ROOF STEEL DECK, INCLUDING CONNECTIONS TO SUPPORTING ELEMENTS FOR A FACTORED DIAPHRAGM SHEAR OF 12kN/m. NOTE: AREAS WITH HIGHER DIAPHRAGM SHEAR LOADING MAY REQUIRE HEAVIER GAUGE DECK – DESIGNER TO VERIFY ALL LOADS.
20. VERTICAL CONTROL JOINTS ARE DENOTED AS 'VCJ' ON PLAN AND ELEVATION. LOCATIONS SHOWN ARE SUGGESTED LAYOUTS. ALL CHANGES REQUIRED TO LAYOUT OF 'VCJ' MUST BE APPROVED BY VB&S PRIOR TO CONSTRUCTION. BOND BEAM REINFORCING IS TO BE CONTINUOUS THRU VCJ AT ALL LOCATIONS, U.N.O.

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9	01.09.2026	ISSUED FOR COORDINATION	AV
8	12.16.2025	ISSUED FOR PERMIT REVISIONS	AV
6	09.05.2025	ISSUED FOR PERMIT	AV
5	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
4	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
3	07.10.2025	ISSUED FOR 70% CLIENT REVIEW	PR
2	07.03.2025	ISSUED FOR COORDINATION	AV

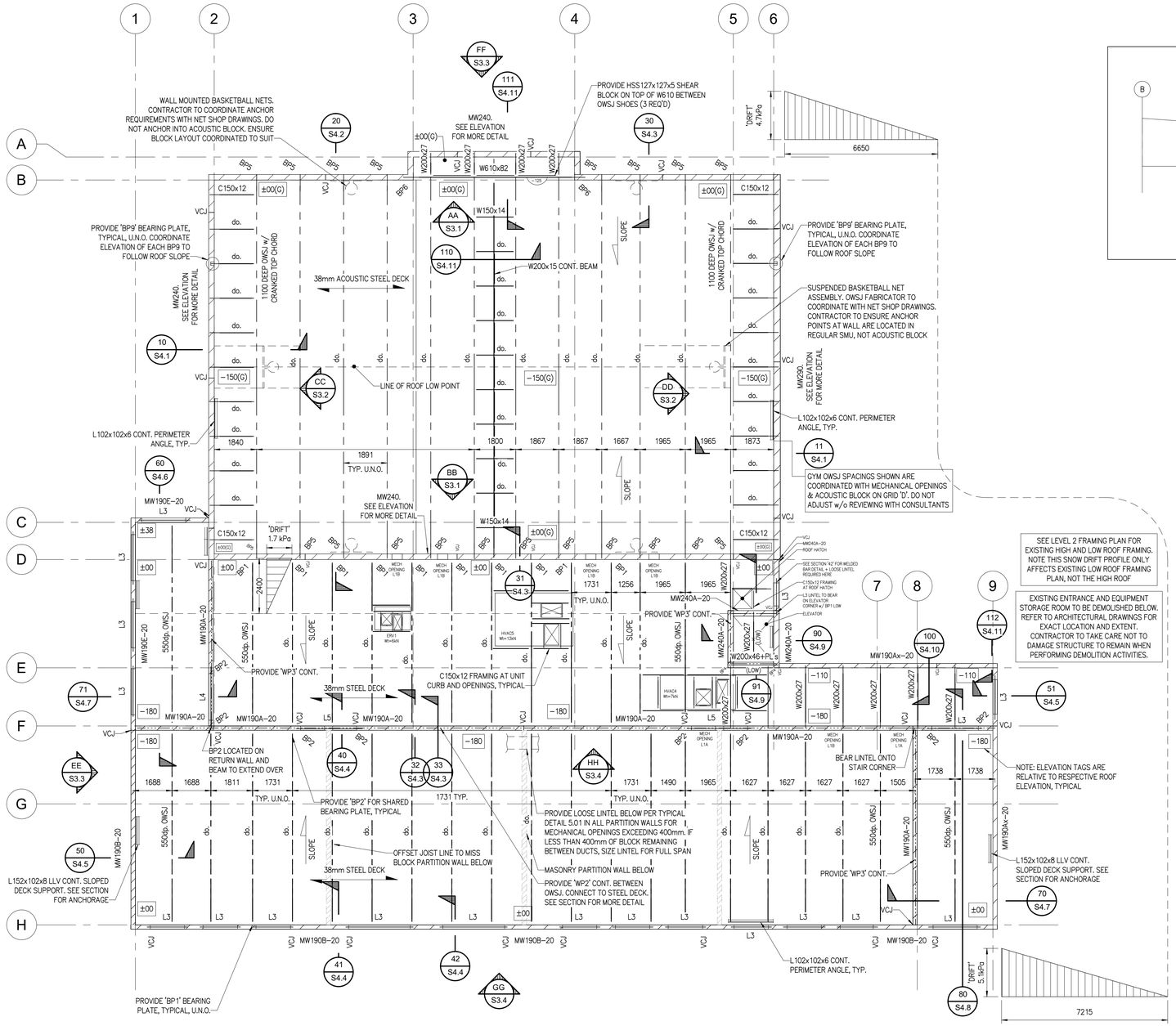
St. Mark CES Addition

240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

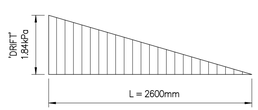
LEVEL 2 FRAMING PLAN

PN TN

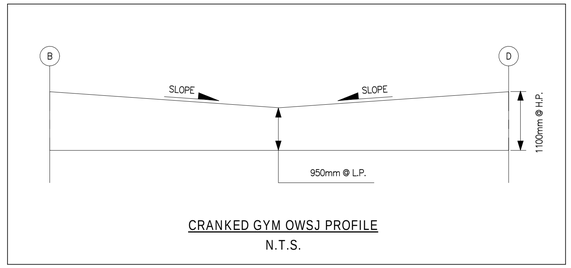
scale:	As indicated
drawn by:	AV
reviewed by:	PR
job number:	25158
plot date:	2026-04-23 1:50:05 PM
drawing number:	S1.1



ROOF FRAMING PLAN
1 : 100



TYPICAL UNFACTORED SNOW DRIFT ADAJCENT TO ROOFTOP UNITS



CRANKED GYM OWSJ PROFILE
N.T.S.

SEE LEVEL 2 FRAMING PLAN FOR EXISTING HIGH AND LOW ROOF FRAMING. NOTE THIS SNOW DRIFT PROFILE ONLY AFFECTS EXISTING LOW ROOF FRAMING PLAN, NOT THE HIGH ROOF

EXISTING ENTRANCE AND EQUIPMENT STORAGE ROOM TO BE DEMOLISHED BELOW. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND EXTENT. CONTRACTOR TO TAKE CARE NOT TO DAMAGE STRUCTURE TO REMAIN WHEN PERFORMING DEMOLITION ACTIVITIES.

ROOF FRAMING PLAN NOTES

1. ROOF U/S DECK ELEVATION IS AT +7607 (364.207m GEODETIC). GYM ROOF U/S DECK ELEVATION IS AT +8200 (364.800m GEODETIC). CONFIRM ALL ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
2. TOP OF STEEL BEAM IS AT UNDERSIDE OF SLOPING ROOF DECK UNLESS NOTED ON PLANS THUS "LX000" BELOW UNDERSIDE OF SLOPING ROOF DECK. TOP OF STEEL ELEVATIONS FROM UNDERSIDE OF ROOF DECK ARE BASED ON ASSUMED JOIST SHOE DEPTHS OF 100mm TYPICAL AND 125mm AT GYM ROOF, UNLESS NOTED OTHERWISE ON PLAN. AT W–BEAM ON GRID 'B' SUPPORTING GYM ROOF OWSJ's, PROVIDE HSS127x127x5 SHEAR BLOCKS BETWEEN JOIST SHOES AS SHOWN ON PLAN.
3. ROOF SLOPES ACHIEVED WITH SLOPED STRUCTURE (SEE ARCHITECTURAL DRAWINGS). ROOF SLOPES ARE SHOWN ON PLAN AS UNDERSIDE OF DECK ELEVATIONS [±XX] (ROOF) AND [±XX(G)] (GYM) AT LOW AND HIGH POINTS, BASED ON THE LATEST INFORMATION AVAILABLE TO THE CONSULTANTS. COORDINATE ROOF SLOPES WITH ARCHITECTURAL DRAWINGS.
4. TYPICAL STEEL ROOF CONSTRUCTION U.N.O.: 38mm STEEL ROOF DECK SUPPORTED BY STEEL JOISTS OR STEEL BEAMS SPACED AS SHOWN ON PLAN. STEEL DECK FABRICATOR TO DESIGN DECK AND DETERMINE DECK THICKNESS (GAUGE) BASED ON LOADS SHOWN ON PLAN AND SCHEDULE (CANAM 1.5B OR EQUAL WITH MINIMUM 0.76mm THICKNESS). NOTE AREAS WITH DRIFT LOADING MAY REQUIRE HEAVIER GAUGE DECK – DESIGNER TO VERIFY ALL AREAS.
5. GYM ROOF CONSTRUCTION: 38mm ACOUSTIC STEEL ROOF DECK SUPPORTED BY STEEL JOISTS OR STEEL BEAMS SPACED AS SHOWN ON PLAN. STEEL DECK FABRICATOR TO DESIGN DECK AND DETERMINE DECK THICKNESS (GAUGE) BASED ON LOADS SHOWN ON PLAN AND SCHEDULE (CANAM 1.5B OR EQUAL WITH MINIMUM 0.76mm THICKNESS). NOTE AREAS WITH DRIFT LOADING MAY REQUIRE HEAVIER GAUGE DECK – DESIGNER TO VERIFY ALL AREAS.
6. STEEL DECK SPAN DIRECTION IS INDICATED WITH ARROWS AS THUS ON PLAN.
7. ADDITIONAL SNOW LOAD ACCUMULATION IS INDICATED AS "DRIFT" AND IS SHOWN ON PLAN. THIS LOAD IS IN ADDITION TO THE BASIC SNOW LOAD LISTED ON THIS DRAWING. NOTE DRIFTS ARE CUMULATIVE – SEE DASHED PROFILE BOUNDARIES ON PLAN.
8. SEE ARCHITECTURAL DRAWINGS FOR COLUMN OFFSETS FROM GRID LINES.
9. OWSJ SPACING WILL VARY DEPENDING ON GRID SPACING AND TIE JOIST LOCATIONS. OWSJ AND DECK TO BE SIZED ACCORDINGLY.
10. OWSJ DESIGNER TO REFER TO MECHANICAL SPRINKLER DRAWINGS AND ALLOW FOR ASSOCIATED ADDITIONAL PIPE LOADS.
11. OWSJ DESIGNER TO REFER TO LATEST MECHANICAL TO COORDINATE DUCTS THROUGH THE OWSJ'S AND JOIST GIRDERS
12. DESIGN THE STEEL ROOF DECK AND STEEL JOISTS, INCLUDING THEIR CONNECTION TO SUPPORTING ELEMENTS FOR A FACTORED DIAPHRAGM SHEAR FORCE OF 13.0 kN/m. NOTE: AREAS WITH HIGHER DIAPHRAGM SHEAR LOADING MAY REQUIRE HEAVIER GAUGE DECK – DESIGNER TO VERIFY ALL LOADS.
13. DESIGN THE STEEL ROOF DECK, STEEL JOISTS AND THEIR CONNECTIONS TO SUPPORTING MEMBERS FOR AN UNFACTORED UNIFORM UPLIFT PRESSURE OF 1.2kPa. (USE DL=0.7kPa FOR UPLIFT LOAD CASE OF 1.4WL–0.9DL)
14. MECHANICAL ROOFTOP UNITS ARE SHOWN ON PLAN BASED ON THE LATEST INFORMATION AVAILABLE TO THE CONSULTANTS. STEEL FABRICATOR MUST COORDINATE FINAL WEIGHT, SIZE AND LOCATION OF ALL ROOFTOP UNITS WITH GENERAL CONTRACTOR PRIOR TO FABRICATION. SEE THIS SHEET FOR TYPICAL SNOW DRIFT DIAGRAM AROUND ROOFTOP UNITS.
15. NOT ALL ROOF OPENINGS HAVE BEEN SHOWN ON PLAN. STEEL FABRICATOR TO COORDINATE FINAL SIZE AND LOCATION OF ROOF OPENINGS WITH GENERAL CONTRACTOR PRIOR TO FABRICATION. SEE TYPICAL DETAIL 5.02 ON DRAWING S5.3 FOR REQUIRED FRAMING AROUND ROOF OPENINGS.
16. TIE JOISTS OR TIE JOIST GIRDERS ARE INDICATED ON PLANS AS "TJ" ON PLAN. EXTEND BOTH TOP AND BOTTOM CHORD MEMBERS AND CONNECT THEM TO COLUMN, BEAM, OR WALL.
17. BEAMS DENOTED WITH "MC" ARE TO BE CONNECTED FOR FULL MOMENT AND SHEAR CAPACITY OF BEAM UNLESS NOTED OTHERWISE.
18. ALL BEAMS ON PLAN ARE TO BEAR ON 'BP1' BEARING PLATES AT 190 MASONRY WALLS, 'BP4' BEARING PLATES AT 240 MASONRY WALLS, 'BP7' BEARING PLATES AT 290 MASONRY WALLS U.N.O ON PLAN.
19. WHERE SHOWN, 'WP3' – CONTINUOUS DECK WELD PLATE TO BE 100x6 WITH 12mmØ ANCHORS x 300 LG + 40 HK, @ 400 o/c INSTALLED INTO GROUT–FILLED TOP COURSES OF LOADBEARING CMU WALLS.
20. VERTICAL CONTROL JOINTS ARE DENOTED AS 'VCJ' ON PLAN AND ELEVATION. LOCATIONS SHOWN ARE SUGGESTED LAYOUTS. ALL CHANGES REQUIRED TO LAYOUT OF 'VCJ' MUST BE APPROVED BY VB&S PRIOR TO CONSTRUCTION. BOND BEAM REINFORCING IS TO BE CONTINUOUS THRU VCJ AT ALL LOCATIONS, U.N.O.

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11	04.24.2026	ISSUED FOR TENDER	AV
9	01.09.2026	ISSUED FOR COORDINATION	AV
8	12.16.2025	ISSUED FOR PERMIT REVISIONS	AV
6	09.05.2025	ISSUED FOR PERMIT	AV
5	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
4	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
3	07.10.2025	ISSUED FOR 70% CLIENT REVIEW	PR
2	07.03.2025	ISSUED FOR COORDINATION	AV

St. Mark CES Addition

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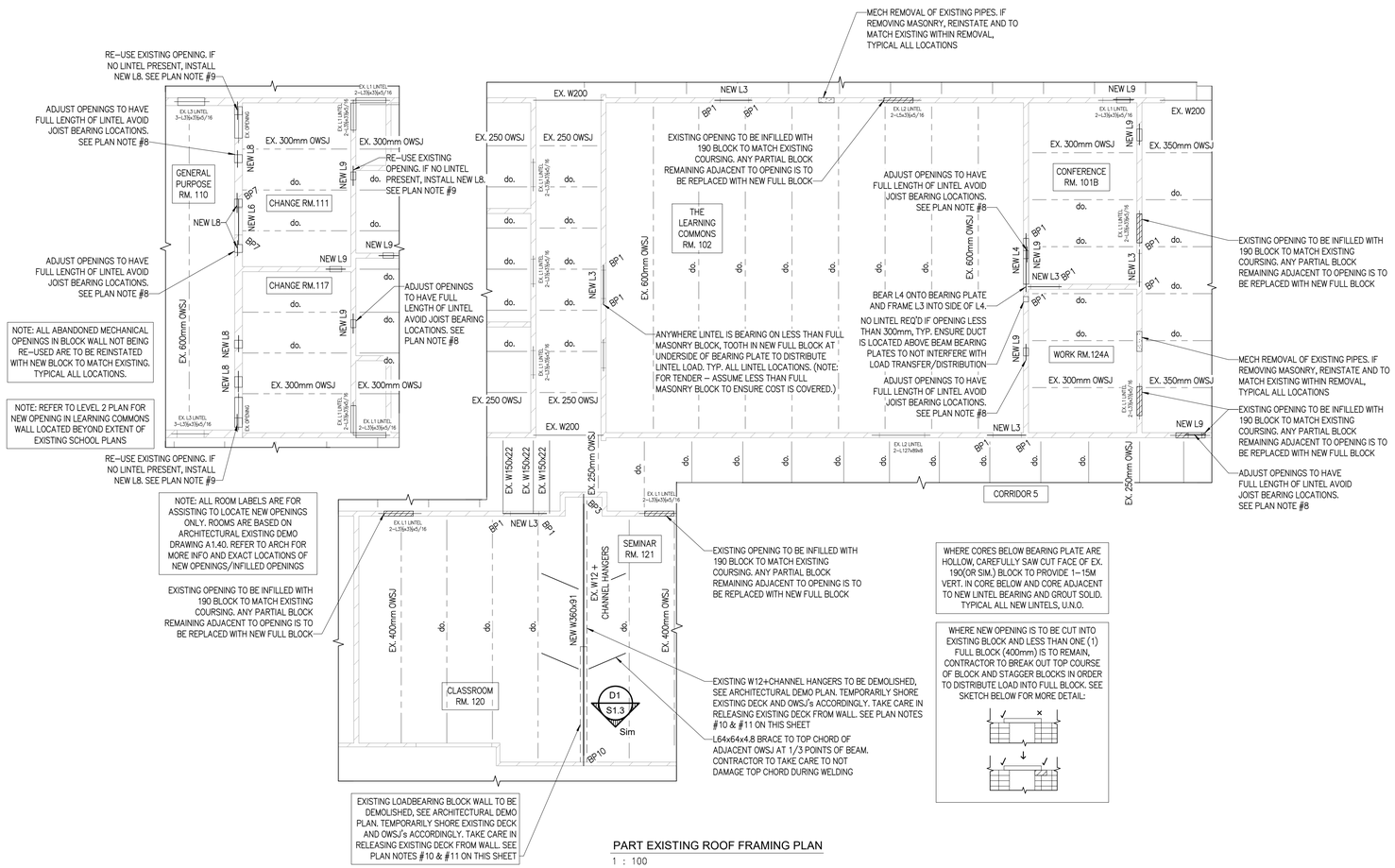
ROOF FRAMING PLAN

PN
N

scale:	As indicated
drawn by:	AV
reviewed by:	PR
job number:	25158
plot date:	2026-04-23 1:50:06 PM
drawing number:	

S1.2



WHERE CORES BELOW BEARING PLATE ARE HOLLOW, CAREFULLY SAW CUT FACE OF EX. 190(OR SIM.) BLOCK TO PROVIDE 1–15M VERT. IN CORE BELOW AND CORE ADJACENT TO NEW LINTEL BEARING AND GROUT SOLID. TYPICAL ALL NEW LINTELS, U.N.O.

WHERE NEW OPENING IS TO BE CUT INTO EXISTING BLOCK AND LESS THAN ONE (1) FULL BLOCK (400mm) IS TO REMAIN, CONTRACTOR TO BREAK OUT TOP COURSE OF BLOCK AND STAGGER BLOCKS IN ORDER TO DISTRIBUTE LOAD INTO FULL BLOCK. SEE SKETCH BELOW FOR MORE DETAIL:

PART EXISTING ROOF FRAMING PLAN
1 : 100

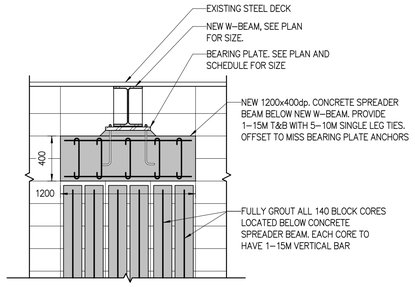
TEMPORARY SHORING NOTE: CONTRACTOR MUST REFER TO PLAN NOTE #10 PRIOR TO COMMENCING ANY DEMOLITION

EXISTING ROOF FRAMING PLAN NOTES

1. EXISTING ROOF U/S DECK ELEVATION IS AT +3797 (360.397m GEODETIC). EXISTING GYM ROOF U/S DECK ELEVATION IS AT +6372 (372.972m GEODETIC). CONFIRM ALL ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
2. TYPICAL EXISTING STEEL ROOF CONSTRUCTION U.N.O.: 38mm STEEL ROOF DECK SUPPORTED BY STEEL JOISTS OR STEEL BEAMS SPACED AS SHOWN ON PLAN.
3. OWSJ SPACING SHOWN IS APPROXIMATE ONLY. JOIST LOCATIONS TO BE VERIFIED ON SITE AND REPORT TO VB&S IF LOCATIONS VARY FROM ASSUMPTIONS.
4. NOT ALL ROOF OPENINGS HAVE BEEN SHOWN ON PLAN. STEEL FABRICATOR TO COORDINATE FINAL SIZE AND LOCATION OF ROOF OPENINGS WITH GENERAL CONTRACTOR PRIOR TO FABRICATION. SEE TYPICAL DETAIL 5.02 ON DRAWING S5.6 FOR REQUIRED FRAMING AROUND ROOF OPENINGS.
5. CONTRACTOR TO ALLOW FOR NEW LOOSE LINTELS AT ALL NEW MECHANICAL OPENINGS OVER 300mm WIDE WITHIN EXISTING SCHOOL WALLS. REFER TO PLAN AND LINTEL SCHEDULE FOR SIZE AND LOCATION. NOT ALL WALL OPENINGS ARE SHOWN, ALSO REFER TO MECHANICAL DRAWINGS. CONTACT VB&S FOR CONFIRMATION OF SIZE IF NOT SHOWN ON PLAN.
6. ABANDONED WALL OPENINGS FROM ALL EXISTING MECHANICAL AND ELECTRICAL DUCTS, ETC. TO BE REMOVED ARE TO BE INFILLED WITH CONCRETE BLOCK TO MATCH EXISTING. NOT ALL LOCATIONS ARE NOTED ON PLAN. REFER TO M+E DRAWINGS FOR ALL LOCATIONS.
7. CONTRACTOR TO ALLOW FOR LOOSE LINTEL PER TYPICAL DETAIL 5.01/5.01b FOR ALL NEW OPENINGS IN NEW/EXISTING NON–LOAD BEARING CONCRETE BLOCK WALLS INCLUDING BUT NOT LIMITED TO DOORS, M+E EQUIPMENT, ETC.
8. ALL NEW MECHANICAL OPENINGS ARE TO BE ADJUSTED TO AVOID BEING PLACED UNDER OWSJ/BEAM BEARING ON BLOCK WALL. COORDINATE WITH STRUCTURAL + MECHANICAL CONSULTANT AS REQUIRED PRIOR TO CREATING NEW OPENINGS.
9. CONTRACTOR TO ALLOW FOR NEW LINTELS OVER ALL EXISTING OPENINGS OVER 300mm BEING RE–USED. EXISTING CONDITION IS ASSUMED TO HAVE NO LINTEL CURRENTLY LOCATED IN EXISTING BLOCK WALL. NOT ALL LOCATIONS ARE SHOWN ON STRUCTURAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR ALL LOCATIONS.
10. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION AND INSPECTION OF ALL TEMPORARY SHORING REQUIRED TO FACILITATE REMOVAL OF EXISTING BUILDING ELEMENTS AND INSTALLATION OF NEW STRUCTURE. THE CONTRACTOR SHALL SUBMIT SHORING SHOP DRAWINGS, SEALED BY AN ONTARIO P.ENG., FOR REVIEW AND APPROVAL BY CONSULTANTS. THE CONTRACTOR IS STRONGLY ENCOURAGED TO VERIFY LOADBEARING NATURE OF ANY BUILDING ELEMENT SHOULD THEY HAVE DOUBTS OR WHERE NOT CLEARLY SPECIFIED ON CONTRACT DOCUMENTS.
11. PRIOR TO DEMOLITION, THE CONTRACTOR MUST RECORD EXISTING CONDITIONS WITH PHOTOS AND MAKE AVAILABLE TO THE CONSULTANTS. REPORT ANY DISCOVERED EXISTING DAMAGED/CUT/BENT/ETC. BUILDING ELEMENTS TO THE CONSULTANTS FOR REVIEW.

NOTE: IF 290 BLOCK FOUNDATION BELOW IS NOT GROUTED SOLID, ENSURE GROUT PASSES THRU ALL THE WAY TO FOOTING.

NOTE: WHEN GROUTING EXISTING CONCRETE BLOCK SOLID, CONTRACTOR TO USE PILOT HOLES TO ENSURE WALL IS COMPLETELY FILLING WITH GROUT AND NO VOIDS ARE PRESENT IN WALL.



ELEVATION D1 / S1.1
1 : 25

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PART EXISTING ROOF FRAMING PLAN

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TN

scale:	As indicated
drawn by:	AV
reviewed by:	PR
job number:	25158
plot date:	2026-04-23 1:50:06 PM
drawing number:	S1.3

STRUCTURAL DESIGN LOAD DATA

LOAD AREA #	FLOOR / ROOF LOCATION	PLAN DRAWING REFERENCE	TYPE OF LOAD: DEAD — CONSTRUCTION	DEAD — VALUE (kPa)	LIVE — TYPE	LIVE — VALUE (kPa)
1	ROOF – ALL OTHER AREAS	S1.2	ROOFING ALLOWANCE M+E ALLOWANCE CEILING ALLOWANCE 38mm METAL DECK STRUCTURAL STEEL ALLOW FOR: PAVERS	0.55 0.25 0.30 0.15 0.25 1.50 1.50 AS SHOWN	BASIC SNOW ALLOW FOR: SNOW DRIFT	2.30 AS SHOWN $_2$
2	GYM ROOF	S1.2B	ROOFING ALLOWANCE M+E ALLOWANCE 38mm METAL DECK STRUCTURAL STEEL	0.55 0.25 0.15 0.30 1.25	OCCUPANCY ALLOW FOR: SNOW DRIFT	2.30 AS SHOWN $_2$
3	SECOND FLOOR CLASSROOMS, OFFICES AND WASHROOMS	S1.1	FLOORING ALLOWANCE M+E ALLOWANCE CEILING ALLOWANCE 254mm HOLLOWCORE 50mm CONCRETE TOPPING STRUCTURAL STEEL PARTITION ALLOWANCE	0.30 0.30 0.30 3.60 1.20 0.30 1.00 7.00	OCCUPANCY	2.40
4	SECOND FLOOR ALL OTHER AREAS	S1.1A–S1.1B	FLOORING ALLOWANCE M+E ALLOWANCE CEILING ALLOWANCE 254mm HOLLOWCORE 50mm CONCRETE TOPPING STRUCTURAL STEEL PARTITION ALLOWANCE	0.30 0.30 0.30 3.60 1.20 0.30 1.00 7.00	OCCUPANCY	4.80
5	SECOND FLOOR ROOF (LOWER ROOF)	S1.1A–S1.1B	ROOFING ALLOWANCE M+E ALLOWANCE CEILING ALLOWANCE 38mm METAL DECK STRUCTURAL STEEL ALLOW FOR: PAVERS	0.50 0.30 0.30 0.15 0.25 1.50 1.50 AS SHOWN	BASIC SNOW ALLOW FOR: SNOW DRIFT	2.30 AS SHOWN $_2$
6	STAIRS	S1.1–S1.4	FLOORING ALLOWANCE OR TILE/50mm CONC TOPPING M+E ALLOWANCE CEILING ALLOWANCE 254mm SOLIDCAST NOTE: LEVEL 2 LANDINGS HAVE TILE/50mm TOPPING, MID–LANDINGS DO NOT HAVE TOPPING. REFER TO ARCHITECTURAL FOR MORE DETAIL	0.40/1.20 0.30 0.30 5.00 7.00(7.80)	OCCUPANCY	4.80
7	CONCRETE FILLED STEEL STAIRS	S1.1	51mm CONCRETE ON STEEL PLAN STRUCTURAL STEEL	1.20 0.30 1.50	OCCUPANCY	4.80

OTHER ENVIRONMENTAL LOADS

WIND PRESSURE
$q_{1/50}$ = 0.37 kPa
I_w = 1.15

SNOW & RAIN
S_s = 2.00 kPa
S_r = 0.40 kPa
I_s = 1.15

SEISMIC DATA
$S_a(0.2)$ = 0.208
$S_a(0.5)$ = 0.141
$S_a(1.0)$ = 0.0787
$S_a(2.0)$ = 0.0377
PGA = 0.1
I_E = 1.3

SITE CLASS: C
SEISMIC CATEGORY = SC2 (SEE NOTE 6)
M&E SEISMIC RESTRAINT = NOT REQ'D

METHOD OF ANALYSIS:
EQUIVALENT STATIC FORCE PROCEDURE

NOTES:

1. ALL LOADS SHOWN ABOVE APPLY TO THE AREAS OF THE BUILDING AS INDICATED (REFERENCE TO ARCHITECTURAL PLANS IS NECESSARY TO PROPERLY READ THIS TABLE), AND ARE BASED ON AND INTERPRETED FROM THE LATEST VERSION OF THE ONTARIO BUILDING CODE. USE THESE LOADS IN DESIGN OF BUILDING COMPONENTS AS REQUIRED.
2. ADDITIONAL SNOW PILE UP IS INCLUDED AS A "DRIFT" DIAGRAM ON ROOF FRAMING PLAN. SNOW DRIFT LOADS ARE IN ADDITION TO THE BASIC SNOW LOADS INDICATED. OVERLAPPING SNOW DRIFT LOADS ARE CUMULATIVE.
3. DEAD LOAD SHOWN IN TABLE IS EXCLUSIVE OF M+E EQUIPMENT. MECHANICAL EQUIPMENT PLAN SIZES AND LOADS ARE SHOWN ON STRUCTURAL PLAN BASED ON THE LATEST INFORMATION AVAILABLE TO THE CONSULTANTS. REPORT ANY DISCREPANCIES BETWEEN CONTRACT DOCUMENTS TO THE CONSULTANTS FOR REVIEW.
4. SEE MECHANICAL DRAWINGS AND ARCHITECTURAL DRAWINGS FOR MECHANICAL EQUIPMENT LOCATIONS AND LOADS.
5. DEAD LOAD SHOWN IN TABLE IS EXCLUSIVE OF MASONRY WALLS. REFER TO ARCHITECTURAL DRAWINGS FOR MASONRY WALL TYPE AND LOCATIONS.
6. THE "SEISMIC CATEGORY" VALUE LISTED ABOVE SHALL BE USED ONLY IN REFERENCE TO THESE STRUCTURAL DOCUMENTS. ALL OTHER CONSULTANTS (NOT STRUCTURAL) MUST VERIFY THIS "SEISMIC CATEGORY" PRIOR TO USING FOR THEIR OWN PURPOSES

NOTES:

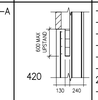
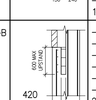
1. UNLESS NOTED OTHERWISE IN SECTIONS AND DETAILS, PROVIDE DOWELS FROM STRIP FOOTING TO CONCRETE FOUNDATION WALL. DOWELS SHOULD MATCH VERTICAL WALL REINFORCING IN SIZE AND SPACING. THE LENGTHS OF DOWELS IN BOTH STRIP FOOTING & CONCRETE WALL SHOULD BE CLASS "A" SPLICE LENGTH MINIMUM.
2. SEE TYPICAL DETAIL 3.01 FOR CLEAR COVER TO REINFORCING BARS IN CONCRETE WALLS AND FOOTINGS.
3. FOR WALLS POURED IN MULTIPLE LIFTS, PROVIDE VERTICAL DOWELS FROM LOWER TO UPPER LIFT OF CONCRETE WALL TO MATCH VERTICAL REINFORCING IN UPPER LIFT.
4. FOR WALLS POURED IN MULTIPLE LIFTS, PROVIDE 2–20M CONT. TOP AND BOTTOM OF EACH LIFT
5. FOR WALL TYPES INDICATED, PLACE REINFORCING AND TIES AS SHOWN IN TYPICAL DETAIL 3.06 FOR TIED CONCRETE PIERS. PIER TYPE REINFORCING TO EXTEND FROM FOUNDATION WALL BELOW OR LOWER LIFT TO UPPER LIFT. PROVIDE TIED DOWELS TO MATCH PIER REINFORCING IN FOUNDATION WALL OR LOWER LIFT.
6. OUTSIDE FACE IS THE FACE OF THE WALL TOWARD TO THE EXTERIOR OF THE STRUCTURE (i.e. FACING OUTSIDE OR EXTERIOR AGAINST BACKFILL) OR IS THE LOW SIDE OF A RETAINING WALL.
7. SEE STRUCTURAL SPECIFICATION FOR REQUIRED MINIMUM CONCRETE STRENGTHS, SLUMPS, AND AIR CONTENTS.
8. TYPICAL, PROVIDE U–SHAPE BARS TO MATCH HORIZONTAL REINFORCING BAR AT WALL OPENING AND END OF WALL LOCATIONS

9. FOR SHEARWALLS, ELEVATOR SHAFT WALLS, STAIR SHAFT WALLS WITH FULL HEIGHT CONCENTRATED BARS + TIES AT ENDS AND CORNERS, WHERE A STEEL BEARING PLATE EXISTS AT THE END OR CORNER SOMEWHERE ALONG THE HEIGHT OF THE WALL, OFFSET THE CONCENTRATED BARS TO ALLOW TO THEM TO RUN UNIMPEDED FOR FULL HEIGHT OF WALL (FOOTING TO TOP).

10. ABBREVIATIONS:

V.I.F. = VERTICAL INSIDE FACE	V.O.F. = VERTICAL OUTSIDE FACE	T.U.L. = TOP UPPER LAYER
H.I.F. = HORIZONTAL INSIDE FACE	H.O.F. = HORIZONTAL OUTSIDE FACE	T.L.L. = TOP LOWER LAYER
V.E.F. = VERTICAL EACH FACE	H.E.F. = HORIZONTAL EACH FACE	B.U.L. = BOTTOM UPPER LAYER
E.W.E.F = EACH WAY EACH FACE	E.W.I.F. = EACH WAY INSIDE FACE	B.L.L. = BOTTOM LOWER LAYER
E.W.O.F. = EACH WAY OUTSIDE FACE	M.E.W. = MIDDLE EACH WAY	

FOUNDATION WALL AND STRIP FOOTING SCHEDULE

WALL MARK	WALL WIDTH (mm)	WALL REINFORCING	STRIP FOOTING SIZE (mm)	STRIP FOOTING REINFORCING	COMMENTS
FW200–A	200	– 2–20M CONT. T&B	600x300dp	–15M @ 600 o/c DOWELS x 600 LONG STAGGERED	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW200–B	200	– 2–20M CONT. T&B	SEE PLAN FOOTING: 35MPa	SEE PLAN –15M @ 600 o/c DOWELS x 600 LONG STAGGERED	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW190–B	190	– 2–20M CONT. T&B	1200x300dp	– 4–15M CONT. B.U.L. –15M @ 400 o/c B.L.L. TRANSVERSE (HOOKED) –15M @ 600 o/c DOWELS x 600 LONG STAGGERED	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW190–C	190	– 2–20M CONT. T&B	1800x400dp	– 8–15M CONT. B.U.L. –15M @ 300 o/c B.L.L. TRANSVERSE (HOOKED) –15M @ 600 o/c DOWELS x 600 LONG STAGGERED	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW190–D	190	– 2–20M CONT. T&B	SEE PLAN FOOTING: 35MPa	SEE PLAN – HOOKED DOWELS (15M @ 300 V.E.F.)	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW240–A	240	– 2–20M CONT. T&B	SEE PLAN FOOTING: 35MPa	SEE PLAN – HOOKED DOWELS (15M @ 300 V.E.F.)	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW240–B	240	– 2–20M CONT. T&B –15M@150 V.O.F., 15M@150 V.I.F. –15M@150 H.E.F. – HOOKED DOWELS FROM FOOTING. SEE SECTION FOR MORE DETAIL	1200x400dp SEE PLAN FOR OFFSET "L–SHAPED FOUNDATION"	– 5–15M CONT. B.U.L. + T.L.L. –15M @ 150 o/c B.L.L. + T.U.L. TRANSVERSE (HOOKED) –15M @ 150 o/c V.O.F. HOOKED DOWELS. DOWEL TO ACHIEVE FULL CLASS 'B' LAP WITH B.U.L. BARS –15M @ 200 o/c V.I.F. DOWEL x 600 LONG	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW240–C	240	– 2–20M CONT. T&B	1200x400dp	– 5–15M CONT. B.U.L. –15M @ 400 o/c B.L.L. TRANSVERSE (HOOKED) –15M @ 600 o/c DOWELS x 600 LONG STAGGERED	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW240–D	240	– 2–20M CONT. T&B	1800x400dp	–8–15M CONT. B.U.L. –15M @ 300 o/c B.L.L. TRANSVERSE (HOOKED) –15M @ 600 o/c DOWELS x 600 LONG STAGGERED	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW290–A	290	– 2–20M CONT. T&B	800x300dp	–15M @ 600 o/c DOWELS x 600 LONG STAGGERED	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW355–A	355	– 2–20M CONT. T&B – SEE PLAN FOR CONCRETE COLUMN LOCATIONS. BARS TO EXTEND DOWN WITH HOOKED DOWELS INTO FOOTING	1200x400dp	– 5–15M CONT. B.U.L. – 15M @ 400 o/c B.L.L. TRANSVERSE (HOOKED) – 15M @ 600 o/c DOWELS x 600 LONG STAGGERED – HOOKED DOWELS TO MATCH COLUMN REINFORCING	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW370–A		– 2–20M CONT. T&B –130 UPSTAND: 15M@300 VERTICAL MIDDLE + 4–10M HORIZONTALS @ 200mm o/c MAX (600 TALL MAX) –190 UPSTAND: 15M@300 VERTICAL MIDDLE + 3–10M@200mm o/c MAX	600x300dp	–15M @ 600 o/c DOWELS x 600 LONG STAGGERED	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING – REFER TO ARCH. DWGS. FOR EXTENTS AND ELEVATIONS OF BRICK LEDGES
FW370–B		– 2–20M CONT. T&B –130 UPSTAND: 15M@300 VERTICAL MIDDLE + 4–10M HORIZONTALS @ 200mm o/c MAX (600 TALL MAX) –190 UPSTAND: 15M@300 VERTICAL MIDDLE + 3–10M@200mm o/c MAX	800x300dp	–15M @ 600 o/c DOWELS x 600 LONG STAGGERED	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING – SEE SECTION '41' FOR MORE INFO – REFER TO ARCH. DWGS. FOR EXTENTS AND ELEVATIONS OF BRICK LEDGES
FW370–C		– 2–20M CONT. T&B –130 UPSTAND: 15M@300 VERTICAL MIDDLE + 4–10M HORIZONTALS @ 200mm o/c MAX (600 TALL MAX) –190 UPSTAND: 15M@300 VERTICAL MIDDLE + 3–10M@200mm o/c MAX	1200x300dp	– 4–15M CONT. B.U.L. – 15M @ 400 o/c B.L.L. TRANSVERSE (HOOKED) –15M @ 600 o/c DOWELS x 600 LONG STAGGERED	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING – REFER TO ARCH. DWGS. FOR EXTENTS AND ELEVATIONS OF BRICK LEDGES
FW370–D		– 2–20M CONT. T&B – 20M @ 150 o/c V.I.F. – 15M @ 300 o/c V.O.F. – 20M @ 200 o/c H.I.F. – 15M @ 300 o/c H.O.F. – 4–15M VERT. EACH END/CORNER + 10M TIES @ 200mm o/c –130 UPSTAND: 15M@300 VERTICAL MIDDLE + 4–10M HORIZONTALS @ 200mm o/c MAX (600 TALL MAX) –190 UPSTAND: 20M@150 V.I.F.+ 15M@200 V.O.F. (LENGTH VARIES) + 15M@200 H.E.F.	800x300dp	– 3–15M CONT. B.U.L. –15M @ 400 o/c B.L.L. TRANSVERSE (HOOKED) – HOOKED DOWELS TO MATCH WALL REINFORCING	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING – SEE SECTION '50' FOR MORE INFO – REFER TO ARCH. DWGS. FOR EXTENTS AND ELEVATIONS OF BRICK LEDGES ARCHITECTURAL CONCRETE FINISH ON EXPOSED INTERIOR FACE. SEE ARCHITECTURAL & SPECIFICATIONS
FW370–E		– 2–20M CONT. T&B – 20M @ 150 o/c V.I.F. – 15M @ 300 o/c V.O.F. – 15M @ 200 o/c H.I.F. – 15M @ 300 o/c H.O.F. – 4–15M VERT. EACH END/CORNER + 10M TIES @ 200mm o/c –130 UPSTAND: 15M@300 VERTICAL MIDDLE + 4–10M HORIZONTALS @ 200mm o/c MAX (600 TALL MAX) –190 UPSTAND: 20M@150 V.I.F.+ 15M@200 V.O.F. (LENGTH VARIES) + 15M@200 H.E.F.	SEE PLAN FOOTING: 35MPa	SEE PLAN – HOOKED DOWELS TO MATCH WALL REINFORCING	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING – WHERE FROST SLAB TIES INTO 130 UPSTAND, CONTINUE VOF+HOF UP AS SHOWN IN SECTION '60'
FW370–F		– 2–20M CONT. T&B – DOWELS: 25M @ 150 o/c V.O.F (SEE SECTION), 25M @ 300 o/c ABOVE – 20M @ 150 o/c V.I.F. – 15M @ 200 o/c H.O.F. – 20M @ 150 o/c H.I.F. – 4–25M VERT. EACH END/CORNER + 10M TIES @ 200mm o/c –130 UPSTAND: 15M@300 VERTICAL MIDDLE + 4–10M HORIZONTALS @ 200mm o/c MAX (600 TALL MAX) –190 UPSTAND: 15M@200 V.I.F.+ 15M@200 V.O.F. + 15M@200 H.E.F.	SEE PLAN FOOTING: 35MPa	SEE PLAN – HOOKED DOWELS TO MATCH WALL REINFORCING	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING – SEE SECTION '71' FOR MORE INFO – REFER TO ARCH. DWGS. FOR EXTENTS AND ELEVATIONS OF BRICK LEDGES
FW370–G		– 2–20M CONT. T&B –130 UPSTAND: 15M@300 VERTICAL MIDDLE + 4–10M HORIZONTALS @ 200mm o/c MAX (600 TALL MAX) –190 UPSTAND: 15M@300 VERTICAL MIDDLE + 3–10M@200mm o/c MAX	SEE PLAN FOOTING: 35MPa	SEE PLAN – HOOKED DOWELS TO MATCH WALL REINFORCING	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
FW470–A		– 2–20M CONT. T&B –130 UPSTAND: 15M@300 VERTICAL MIDDLE + 4–10M HORIZONTALS @ 200mm o/c MAX (600 TALL MAX) –290 UPSTAND: 15M@300 V.E.F.+ 3–10M@200mm o/c MAX H.E.F.	800x300dp	–15M @ 600 o/c DOWELS x 600 LONG STAGGERED	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING
RW420–A		– 2–20M CONT. T&B – DOWELS: 25M @ 150 o/c V.O.F (SEE SECTION), 25M @ 300 o/c ABOVE – 15M @ 200 o/c V.I.F. – 15M @ 200 o/c H.E.F. – 4–25M VERT. EACH END/CORNER + 10M TIES @ 200mm o/c –130 UPSTAND: 15M@300 VERTICAL MIDDLE + 4–10M HORIZONTALS @ 200mm o/c MAX (600 TALL MAX) –240 UPSTAND: 15M@200 V.I.F.+ 15M@200 V.O.F. (LENGTH VARIES) + 15M@200 H.E.F.	4500x900dp TOE: 1280 HEEL: 2800 KEY: 762x750dp. FOOTING: 35MPa	– 25M @ 200 o/c T.U.L. (HOOKED) – 20M @ 150 CONT. T.L.L. (28 BARS MIN.) – 20M @ 150 CONT. B.U.L. (10 BARS MIN.) – 25M @ 150 o/c DOWELS B.L.L. (REFER TO SECTION) – 25M @ 200 FACE STEEL AT PERIMETER OF FOOTINGS	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING – SEE SECTION '10' FOR MORE INFO ARCHITECTURAL CONCRETE FINISH ON EXPOSED INTERIOR FACE. SEE ARCHITECTURAL & SPECIFICATIONS
RW420–B		– 2–20M CONT. T&B – 20M @ 200 o/c V.O.F. – 15M @ 200 o/c V.I.F. – 15M @ 200 o/c H.E.F. – 4–20M VERT. EACH END/CORNER + 10M TIES @ 200mm o/c –130 UPSTAND: 15M@300 VERTICAL MIDDLE + 4–10M HORIZONTALS @ 200mm o/c MAX (600 TALL MAX) –240 UPSTAND: 15M@200 V.I.F.+ 15M@200 V.O.F. + 15M@200 H.E.F.	2600x400dp TOE: 280 HEEL: 1900 FOOTING: 35MPa	– 20M @ 200 o/c T.U.L. (HOOKED) – 15M @ 200 CONT. T.L.L. (10 BARS MIN.) – 15M @ 200 CONT. B.U.L. (3 BARS MIN.) – 20M @ 200 o/c DOWELS B.L.L. (REFER TO SECTION)	– REFER TO ALL SECTIONS FOR ANY ADDITIONAL REINFORCING – SEE SECTION '30' FOR MORE INFO ARCHITECTURAL CONCRETE FINISH ON EXPOSED INTERIOR FACE. SEE ARCHITECTURAL & SPECIFICATIONS

SEE NOTES ADJACENT TO SCHEDULE

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#	date:	revision:	by:
11	04.24.2026	ISSUED FOR TENDER	AV
9	01.09.2026	ISSUED FOR COORDINATION	AV
8	12.16.2025	ISSUED FOR PERMIT REVISIONS	AV
6	09.05.2025	ISSUED FOR PERMIT	AV
5	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
4	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
3	07.10.2025	ISSUED FOR 70% CLIENT REVIEW	PR
2	07.03.2025	ISSUED FOR COORDINATION	AV

St. Mark CES Addition

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SCHEDULES

scale:	1 : 100
drawn by:	AV
reviewed by:	PR
job number:	25158
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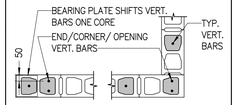
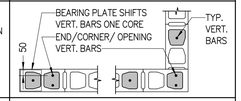
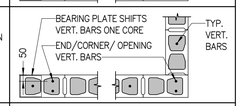
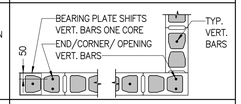
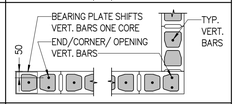
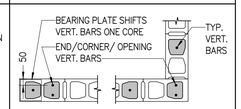
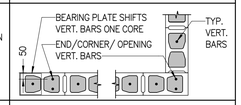
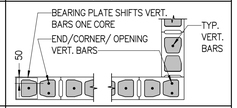
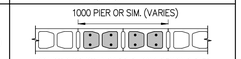
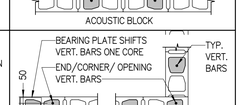
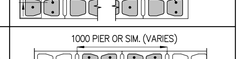
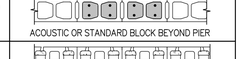
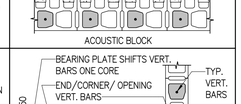
drawing number:

S2.1

CONCRETE BLOCK WALL SCHEDULE

WALL MARK	WALL WIDTH (mm)	WALL REINFORCING	COMMENTS
MW140A–20	140	– 1–15M VERT. @ 600mm o/c – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING)	– SEE MW190B–20 FOR BLOCK DETAILS
MW190A–20 MW190Ax–20	190	– 1–15M VERT. @ 1200mm o/c – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING) – 2–COURSE DEEP (400DP.) BOND BEAM AT TOP OF WALL c/w 2–20 T&B – SEE ELEVATIONS AND SECTIONS FOR LOCATIONS OF ADDITIONAL BOND BEAMS REQUIRED – MW190Ax–20 ONLY: SEE SCHEDULE NOTE #12 FOR ADDITIONAL FIRE RATING REQUIREMENTS	
MW190B–20	190	– 1–15M VERT. @ 600mm o/c – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING) – 2–COURSE DEEP (400DP.) BOND BEAM AT TOP OF WALL c/w 2–20 T&B – SEE ELEVATIONS AND SECTIONS FOR LOCATIONS OF ADDITIONAL BOND BEAMS REQUIRED	
MW190C–20	190	– 1–15M VERT. @ 1200mm o/c, FULLY GROUTED – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING) – 2–COURSE DEEP (400DP.) BOND BEAM AT TOP OF WALL c/w 2–20 T&B – SEE ELEVATIONS AND SECTIONS FOR LOCATIONS OF ADDITIONAL BOND BEAMS REQUIRED	
MW190D–20	190	– 1–15M VERT. @ 600mm o/c, FULLY GROUTED – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING) – 2–COURSE DEEP (400DP.) BOND BEAM AT TOP OF WALL c/w 2–20 T&B – SEE ELEVATIONS AND SECTIONS FOR LOCATIONS OF ADDITIONAL BOND BEAMS REQUIRED	
MW190E–20	190	– 1–15M VERT. @ 200mm o/c, FULLY GROUTED – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING) – 2–COURSE DEEP (400DP.) BOND BEAM AT TOP OF WALL c/w 2–20 T&B – SEE ELEVATIONS AND SECTIONS FOR LOCATIONS OF ADDITIONAL BOND BEAMS REQUIRED	
MW190F–20 MW190Fx–20	190	– 1–15M VERT. @ 1200mm o/c – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING) – 2–COURSE DEEP (400DP.) BOND BEAM AT TOP OF WALL c/w 2–20 T&B – 1–COURSE DEEP (200DP.) BOND BEAMS c/w 1–15M CONT. EQUALLY SPACED VERTICALLY AT APPROXIMATE 1/3–POINTS OF WALL HEIGHT – MW190Fx–20 ONLY: SEE SCHEDULE NOTE #12 FOR ADDITIONAL FIRE RATING REQUIREMENTS	
MW190G–20	190	– 1–15M VERT. @ 200mm o/c, FULLY GROUTED – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING) – 2–COURSE DEEP (400DP.) BOND BEAM AT TOP OF WALL c/w 2–20 T&B –1–COURSE DEEP (200DP.) BOND BEAMS CONT. EQUALLY SPACED VERTICALLY AT APPROXIMATE 1/3–POINTS OF WALL HEIGHT	
MW240A–20	240	– 1–15M VERT. @ 600mm o/c, FULLY GROUTED – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING) – 2–COURSE DEEP (400DP.) BOND BEAM AT TOP OF WALL c/w 2–20 T&B –1–COURSE DEEP (200DP.) BOND BEAMS c/w 2–15M CONT. COORDINATE WITH ELEVATOR FABRICATOR FOR LOCATIONS OF BOND BEAMS FOR RAIL CONNECTIONS	
MW240B–20	240	– 2–20M IN EACH CORE OF PIER –REFER TO NOTE #2. PLACE LADDER REINFORCING IN EVERY COURSE (200mm o/c) AT LOCATIONS BETWEEN ACOUSTIC BLOCK TO MATCH	 ACOUSTIC OR STANDARD BLOCK BEYOND PIER
MW240C–20	240	– 1–15M VERT. @ 600mm o/c –REFER TO NOTE #2. PLACE LADDER REINFORCING IN EVERY COURSE (200mm o/c) AT LOCATIONS BETWEEN ACOUSTIC BLOCK TO MATCH – STACK PATTERN PLACEMENT AS REQUIRED BY ACOUSTIC BLOCK	 ACOUSTIC BLOCK
MW240D–20	240	– 1–15M VERT. @ 600mm o/c – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING) – 2–COURSE DEEP (400DP.) BOND BEAM AT TOP OF WALL c/w 2–20 T&B – SEE ELEVATIONS AND SECTIONS FOR LOCATIONS OF ADDITIONAL BOND BEAMS REQUIRED	
MW240E–20	240	– 1–15M VERT. @ 600mm o/c, FULLY GROUTED – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING) – 2–COURSE DEEP (400DP.) BOND BEAM AT TOP OF WALL c/w 2–20 T&B – SEE ELEVATIONS AND SECTIONS FOR LOCATIONS OF ADDITIONAL BOND BEAMS REQUIRED	
MW290A–30	290	– 2–25M IN EACH CORE OF PIER –REFER TO NOTE #2. PLACE LADDER REINFORCING IN EVERY COURSE (200mm o/c) AT LOCATIONS BETWEEN ACOUSTIC BLOCK TO MATCH	 ACOUSTIC OR STANDARD BLOCK BEYOND PIER
MW290B–30	290	– 1–15M VERT. @ 400mm o/c –REFER TO NOTE #2. PLACE LADDER REINFORCING IN EVERY COURSE (200mm o/c) AT LOCATIONS BETWEEN ACOUSTIC BLOCK TO MATCH – STACK PATTERN PLACEMENT AS REQUIRED BY ACOUSTIC BLOCK –SEE SCHEDULE NOTE #12 FOR ADDITIONAL FIRE RATING REQUIREMENTS	 ACOUSTIC BLOCK
MW290C–30	290	– 1–15M VERT. @ 400mm o/c – 2–15M VERT. AT EACH END, BOTH SIDES OF OPENINGS AND CORNERS OF WALLS. OFFSET BARS 1 CORE FOR ENTIRE HEIGHT OF BUILDING WHERE BEARING PLATE IS ON END OF TYP. WALL (e.g. TYP. CORRIDOR BEAM BEARING) – 2–COURSE DEEP (400DP.) BOND BEAM AT TOP OF WALL c/w 2–20 T&B – SEE ELEVATIONS AND SECTIONS FOR LOCATIONS OF ADDITIONAL BOND BEAMS REQUIRED	

SEE NOTES ADJACENT TO SCHEDULE

STEEL BEARING PLATE SCHEDULE

PLATE MARK	PLATE SIZE(mm)	ANCHOR BOLTS	ANCHOR SPACING	COMMENTS
BP1	180x20x200L	2–13mmØ x 300 LONG + 50 HOOK BOLTS		
BP2	180x25x300L	2–13mmØ x 300 LONG + 50 HOOK BOLTS		–COORDINATE ANCHOR POSITION WITH BLOCK WALL LAYOUT –BP2*: SEE PLAN FOR LOCATION & ORIENTATION
BP3	180x25x400L+ 400x75x12 ROCKER PLATE	4–13mmØ x 300 LONG + 50 HOOK BOLTS		–PROVIDE 1–12mm STIFFENER ON EACH SIDE OF BEAM WEB AT ROCKER PLATE, TYP.
BP4	230x20x200L	2–13mmØ x 300 LONG + 50 HOOK BOLTS		
BP5	230x20x240L	ROOF: 1–16mmØ x 500 LONG + 50 HOOK BOLTS LEVEL 2: 2–13mmØ x 300 LONG + 50 HOOK BOLTS	ROOF: LEVEL 2:	
BP6	230x25x400L+ 400x75x12 ROCKER PLATE	ROOF: 4–13mmØ x 500 LONG + 50 HOOK BOLTS LEVEL 2: 4–13mmØ x 300 LONG + 50 HOOK BOLTS		–PROVIDE 1–12mm STIFFENER ON EACH SIDE OF BEAM WEB AT ROCKER PLATE, TYP.
BP7	280x25x290L	2–13mmØ x 300 LONG + 50 HOOK BOLTS		
BP8	130x20x200L	2–13mmØ x 300 LONG + 50 HOOK BOLTS		
BP9	150x20x150L	1–13mmØ x 300 LONG + 50 HOOK BOLTS		
BP10	130x25x400L 400x75x12 ROCKER PLATE	2–13mmØ x 300 LONG + 50 HOOK BOLTS		–PROVIDE 1–12mm STIFFENER ON EACH SIDE OF BEAM WEB AT ROCKER PLATE, TYP.

NOTES:

1. STEEL BEARING PLATES TO BE FABRICATED BY STRUCTURAL STEEL CONTRACTOR AND PLACED BY CONCRETE FORMING CONTRACTOR (CONCRETE WALL, BEAM OR COLUMN) OR THE MASONRY CONTRACTOR (CONCRETE BLOCK WALL).
2. LOCATION AND ELEVATION OF BEARING PLATES TO BE COORDINATED WITH STRUCTURAL STEEL SHOP DRAWINGS. BEAM OR JOIST TO BE SUPPORTED ON THE PLATE TO BE CENTRED ALONG THE LENGTH OF THE PLATE U.N.O.
3. DIMENSION OF PLATE NOTED IN PLATE SIZE COLUMN AS 'L' TO BE PLACED ALONG THE LENGTH OF THE WALL, UNLESS NOTED OTHERWISE ON PLANS AND DETAILS.
4. BEAM FLANGE OR JOIST SHOE TO BE FIELD WELDED DOWN TO TOP OF BEARING PLATE USING A MINIMUM 6mm FILLET WELD EACH SIDE OF BEAM/JOIST SHOE FOR THE ENTIRE LENGTH OF BEARING.
5. FOR BEARING PLATES PLACED ON CONCRETE BLOCK WALLS – GROUT SOLID THE CORES OF THE BLOCKS CONTAINING THE ANCHOR BOLTS OF THE PLATES CONTINUOUS TO THE TOP OF THE FOUNDATION WALL. GROUT SOLID THE BEAM/JOIST POCKETS AFTER FIELD WELDING
6. ANCHOR BOLTS SHOWN TO BE WELDED TO THE UNDERSIDE OF THE BEARING PLATE FOR TENSILE CAPACITY OF THE BOLT.

CONCRETE BLOCK WALL SCHEDULE NOTES:

1. ALL MASONRY WALLS SHOWN ON PLAN AS THUS ARE LOAD BEARING (GRAVITY AND/OR LATERAL).
2. PROVIDE 9 GAUGE (3.66mm MIN.) LADDER TYPE REINFORCING IN EVERY OTHER HORIZONTAL COURSE (@ 400mm o/c MAX. VERTICAL) UNLESS NOTED OTHERWISE IN SCHEDULE COMMENTS.
3. PROVIDE 2–20M VERTICAL IN CORE ADJACENT TO EACH SIDE OF ROUGH OPENINGS OR IN CORE ADJACENT TO BEARING PLATE OF STEEL LINTEL. VERTICAL REINFORCING IS TO BE INSTALLED CONT. FROM CONCRETE WALL TO UNDERSIDE OF BEAM/STEEL DECK.
4. FULLY GROUT ALL REINFORCED CORES. (SEE NOTE #8)
5. FILL ALL CORES IN PIERS LESS THAN 600mm IN WIDTH SOLID WITH GROUT IN ADDITION TO THAT REQUIRED BY NOTE #3.
6. GROUT SOLID ALL CORES BELOW THE BEARING POINT OF ALL BEAMS, JOISTS OR LINTELS CONT. TO THE FOUNDATION.
7. PROVIDE MECHANICAL CONNECTION BETWEEN LOWER AND UPPER LIFTS OF VERTICAL REINFORCING.
8. ALL GROUT SHALL HAVE MINIMUM 28–DAY STRENGTH OF 15MPa WITH 10mm MAX. AGGREGATE SIZE AND 225mm ± 25mm SLUMP. ALL GROUTING TO CONFORM TO CSA/CAN3 A371–M84. PLACE GROUT IN "LOW LIFTS" (NOT MORE THAN 1500mm VERTICAL).
9. ENSURE ALL LOAD BEARING CONCRETE BLOCK WALLS ARE BUILT TIGHT TO STEEL BUILDING COLUMNS. FILL ANY GAPS BETWEEN END OF CONCRETE BLOCK WALL AND FACE OF COLUMN SOLID WITH GROUT.
10. WALL TYPE NOTATION: MW190#–20: I.E. MASONRY WALL 190 BLOCK. REINFORCING PER LETTER "A" WITH 20MPa BLOCK.
11. VERTICAL CONTROL JOINTS ARE DENOTED AS 'VCJ' ON PLAN AND ELEVATION. LOCATIONS SHOWN ARE SUGGESTED LAYOUTS. ALL CHANGES REQUIRED TO LAYOUT OF 'VCJ' MUST BE APPROVED BY VB&S PRIOR TO CONSTRUCTION. BOND BEAM REINFORCING IS TO BE CONTINUOUS THRU VCJ AT ALL LOCATIONS, U.N.O.
12. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FIRE RATING REQUIREMENTS IN MASONRY WALLS. DIFFERENT MASONRY WALLS AT DIFFERENT LOCATIONS REQUIRE VARYING FIRE RATINGS (I.E. 1 HOUR, 2 HOURS, ETC.). SEE BELOW AND SPECIFICATIONS FOR MORE DETAIL. ALL LOAD–BEARING BLOCK WALLS ARE INTENDED TO BE STANDARD HOLLOW BLOCKS EXCEPT FOR WALL MARKS WITH THE SUFFIX 'x' IN SCHEDULE ABOVE AND AS NOTED BELOW:

   1–HOUR FIRE RATING
   – CAN BE ACHIEVED BY TYPE N CONCRETE FOR 140, 190, 240 AND 290 THICKNESS WITH STANDARD HOLLOW BLOCKS

   2–HOUR FIRE RATING.
   – STANDARD HOLLOW 190 BLOCK WALLS DO NOT ACHIEVE 2–HOUR RATING WITH TYPE N CONCRETE. 2–HOUR FIRE RATED WALLS REQUIRE TYPE L120S (LIGHTWEIGHT) CONCRETE OR REQUIRE SPECIAL HOLLOW BLOCKS THAT MEET 2–HOUR FIRE RATING REQUIREMENTS BASED ON BLOCK PHYSICAL DIMENSIONS. IF CONTRACTOR ELECTS TO AVOID USING LIGHTWEIGHT BLOCK, SPECIAL 2–HOUR FIRE RATED BLOCKS MUST BE COORDINATED WITH CONCRETE BLOCK SUPPLIER.
   – 240 AND 290 BLOCK WALLS CAN ACHIEVE WITH TYPE N CONCRETE WITH STANDARD HOLLOW BLOCKS

   ACOUSTIC BLOCK
   – CONCRETE BLOCK SUPPLIER TO ENSURE SPECIFIED ACOUSTIC BLOCK ACHIEVED FIRE–RATING REQUIRED. (FOR EXAMPLE: PERMACON SOUNDBLOX RSC 30cm BLOCK (290) ACHIEVES A 2–HOUR FIRE RATING)

LOAD BEARING STEEL LINTEL SCHEDULE

PLATE MARK	SIZE(mm)	BEARING PLATE	COMMENTS
L1A	2–L152x89x9.5 LLV	BP1 U.N.O. SEE PLAN NOTE AND PLANS FOR ALL LOCATIONS	FOR ALL MECHANICAL OPENINGS AT ROOF: 600mm TO 1000mm WIDE, U.N.O. (IN 190 BLOCK)
L1B	2–L127x89x6 LLV	BP1 U.N.O. SEE PLAN NOTE AND PLANS FOR ALL LOCATIONS	FOR ALL MECHANICAL OPENINGS AT ROOF: 400mm TO 600mm WIDE, U.N.O. (IN 190 BLOCK)
L2A	2–L152x89x13 LLV	BP2 U.N.O. SEE PLAN NOTE AND PLANS FOR ALL LOCATIONS	FOR ALL MECHANICAL OPENINGS AT LEVEL 2: 600mm TO 1000mm WIDE, U.N.O. (IN 190 BLOCK)
L2B	2–L127x89x9 LLV	BP1 U.N.O. SEE PLAN NOTE AND PLANS FOR ALL LOCATIONS	FOR ALL MECHANICAL OPENINGS AT LEVEL 2: 400mm TO 600mm WIDE, U.N.O. (IN 190 BLOCK)
L3	W200x27 + PL190x6 T&B	BP1/BP2 AS SHOWN ON PLAN. SEE PLAN NOTE AND PLANS FOR ALL LOCATIONS	
L4	W200x36 + PL190x6 T&B	BP2 U.N.O. SEE PLAN NOTE AND PLANS FOR ALL LOCATIONS	
L5	W410x46 + PL190x12 T&B	BP2/BP3 AS SHOWN ON PLAN. SEE PLAN NOTE AND PLANS FOR ALL LOCATIONS	
L6	W200x46 + PL290x10 T&B	BP4/BP5/BP7 U.N.O. SEE PLAN NOTE AND PLANS FOR ALL LOCATIONS	
L7	L152x102x13 LLV + L127x127x13	BP4 U.N.O. SEE PLAN NOTE AND PLANS FOR ALL LOCATIONS	
L8	3–L89x89x9.5 LLV	200mm BEARING MIN.	FOR ALL MECHANICAL OPENINGS AT EXISTING ROOF: 300mm TO 600mm WIDE, U.N.O. (IN 290 BLOCK)
L9	2–L89x89x9.5 LLV	200mm BEARING MIN.	FOR ALL MECHANICAL OPENINGS AT EXISTING ROOF: 300mm TO 600mm WIDE, U.N.O. (IN 190 BLOCK)
L10	2–L89x65x9.5 LLV	200mm BEARING MIN.	FOR ALL MECHANICAL OPENINGS AT EXISTING ROOF: 300mm TO 600mm WIDE, U.N.O. (IN 140 BLOCK)

NOTES:

1. ALL MASONRY WALLS ON PLAN ARE LOAD BEARING MASONRY WALLS. ALL OPENINGS LARGER THAN 400mm WIDE REQUIRES LINTEL TO SUPPORT THE LOAD BEARING MASONRY ABOVE.
2. MECHANICAL OPENINGS IN LOAD BEARING WALL WIDER THAN 400mm AND NOT SHOWN ON STRUCTURAL PLAN MUST BE REPORTED TO THE STRUCTURAL CONSULTANT FOR SPECIFICATION OF A STEEL LINTEL USED TO SPAN THE ROUGH OPENING.
3. GROUT BLOCK SOLID BELOW BEARING POINT OF ALL LINTELS CONTINUOUS TO TOP OF FOUNDATION WALL.
4. WELD ALL BACK TO BACK ANGLES AT 400mm o/c.
5. FILL ALL MASONRY AROUND LINTELS SOLID WITH MORTAR.
6. IF MASONRY PER 600mm OR LESS IN WIDTH IS FORMED BETWEEN TWO(2) OPENINGS– PLACE 2–15M VERT. IN CENTRE CORE OF PIER BETWEEN OPENINGS AND GROUT PIER SOLID FOR FULL HEIGHT OF WALL.
7. WHERE LINTEL IS ADJACENT TO STEEL BUILDING COLUMN– CONNECT THE LINTEL TO THE COLUMN FOR THE LOADAS INDICATED IN THE SPECIFICATIONS.
8. LINTELS TO BEAR 200mm MINIMUM ON SOLID FILLED MASONRY UNLESS NOTED.

CAST-IN STEEL PLATE SCHEDULE

PLATE MARK	PLATE SIZE(mm)	ANCHOR BOLTS	ANCHOR SPACING	COMMENTS
WP1	200Vx16x200H	4–13mmØ x 150 LONG NELSON HEADED ANCHORS		

NOTES:

1. CAST–IN WALL PLATES TO BE FABRICATED BY STRUCTURAL STEEL CONTRACTOR AND PLACED BY CONCRETE FORMING CONTRACTOR.
2. LOCATION AND ELEVATION OF CAST–IN PLATES TO BE COORDINATED WITH STRUCTURAL STEEL SHOP DRAWINGS. HORIZONTAL CENTRELINE OF PLATE TO COINCIDE WITH CENTRELINE OF HORIZONTAL MEMBER TO BE CONNECTED TO PLATE UNLESS NOTED OTHERWISE.
3. VERTICAL DIMENSION OF PLATE NOTED IN PLATE SIZE COLUMN AS 'V'.
4. STEEL FABRICATOR TO DESIGN CONNECTION TO BE WELDED TO FACE OF CAST–IN PLATE. REFER TO TYPICAL DETAIL TITLED "HEADED STUD ANCHOR PLATES INTO CONCRETE".
5. LENGTH OF HEADED ANCHOR SHOWN IS DIMENSION MEASURED AFTER WELDING.
6. MINIMUM DISTANCE FROM CENTRELINE OF ANCHOR TO EDGE OF CONCRETE IN ANY DIRECTION TO BE 100mm.
7. EDGE DISTANCE SHOWN IN ANCHOR SPACING COLUMN IS APPLICABLE FOR BOTH DIRECTIONS. SPACING BETWEEN ANCHORS IS EQUALLY DIVIDED FROM REMAINING PLATE DIMENSION.
8. REFER TO TYPICAL DETAIL TITLED "HEADED STUD ANCHOR PLATES INTO CONCRETE" FOR ADDITIONAL CONCRETE REBAR REINFORCING AT PLATES.

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St. Mark CES Addition

240 Autumn Hill Crescent
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SCHEDULES

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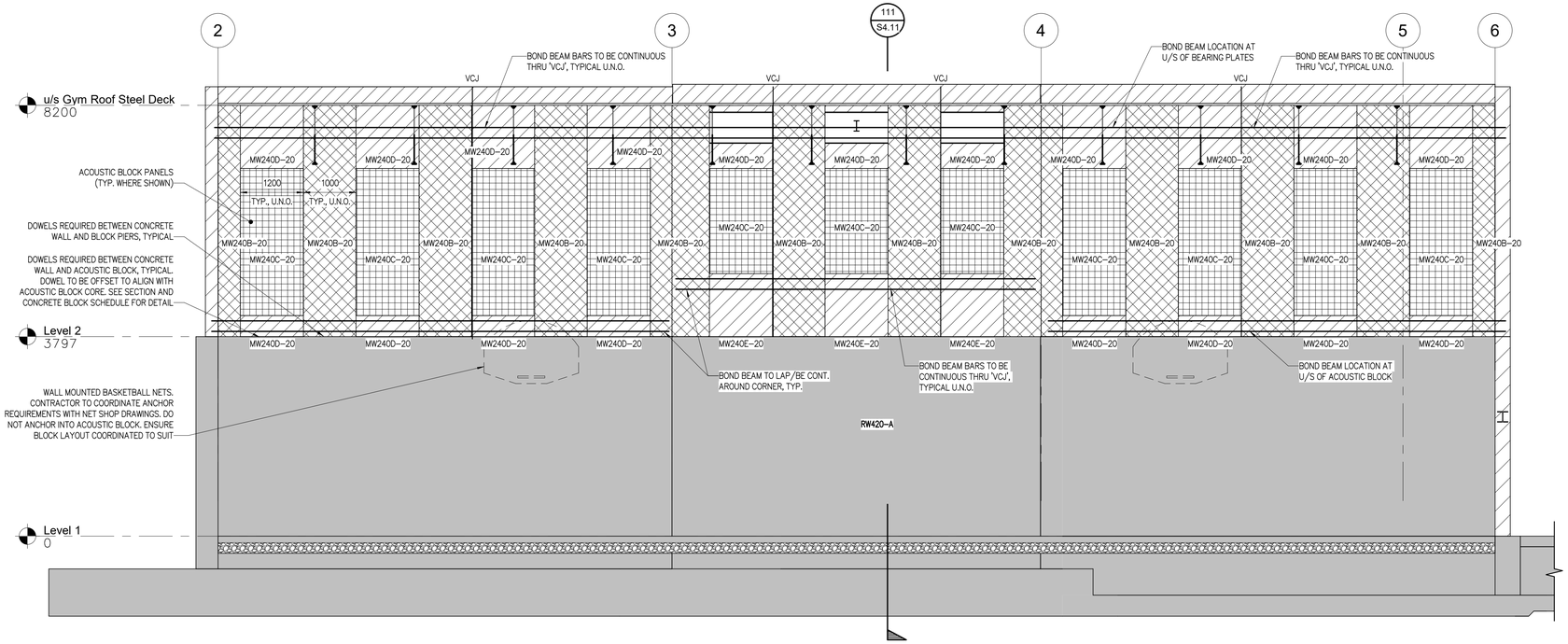

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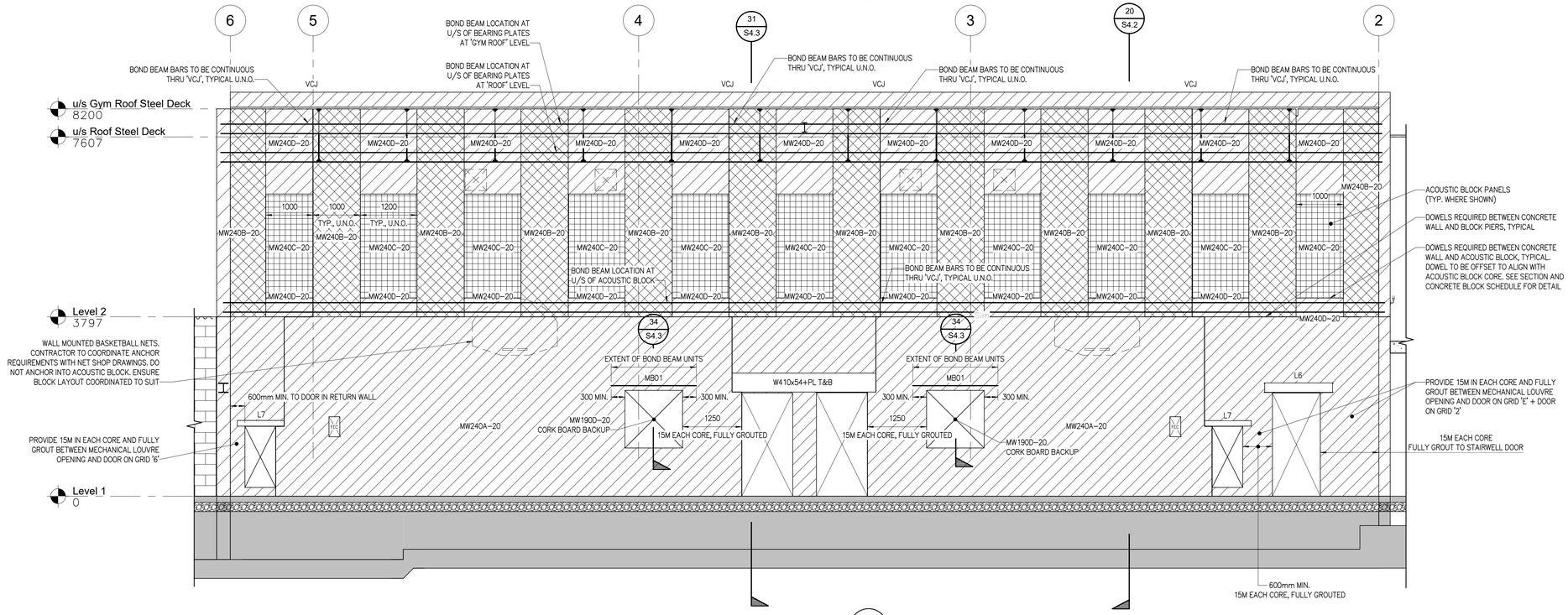

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ELEVATIONS

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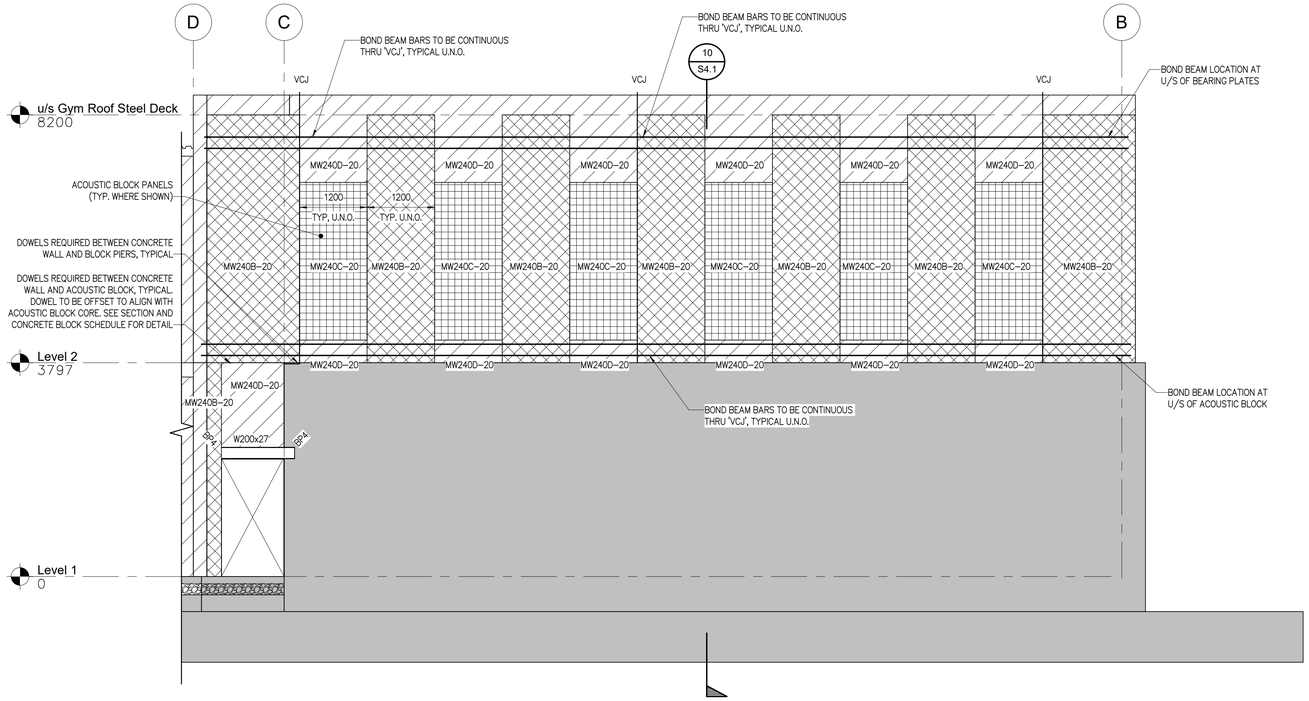

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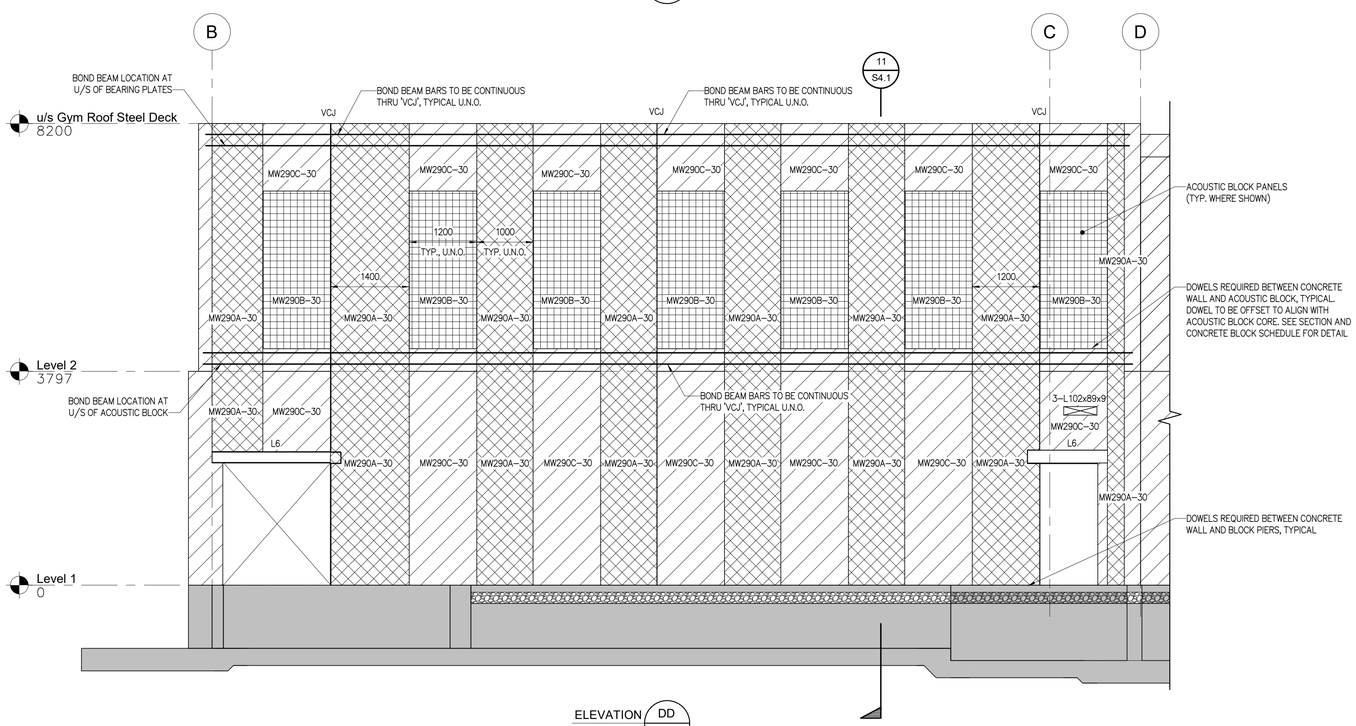

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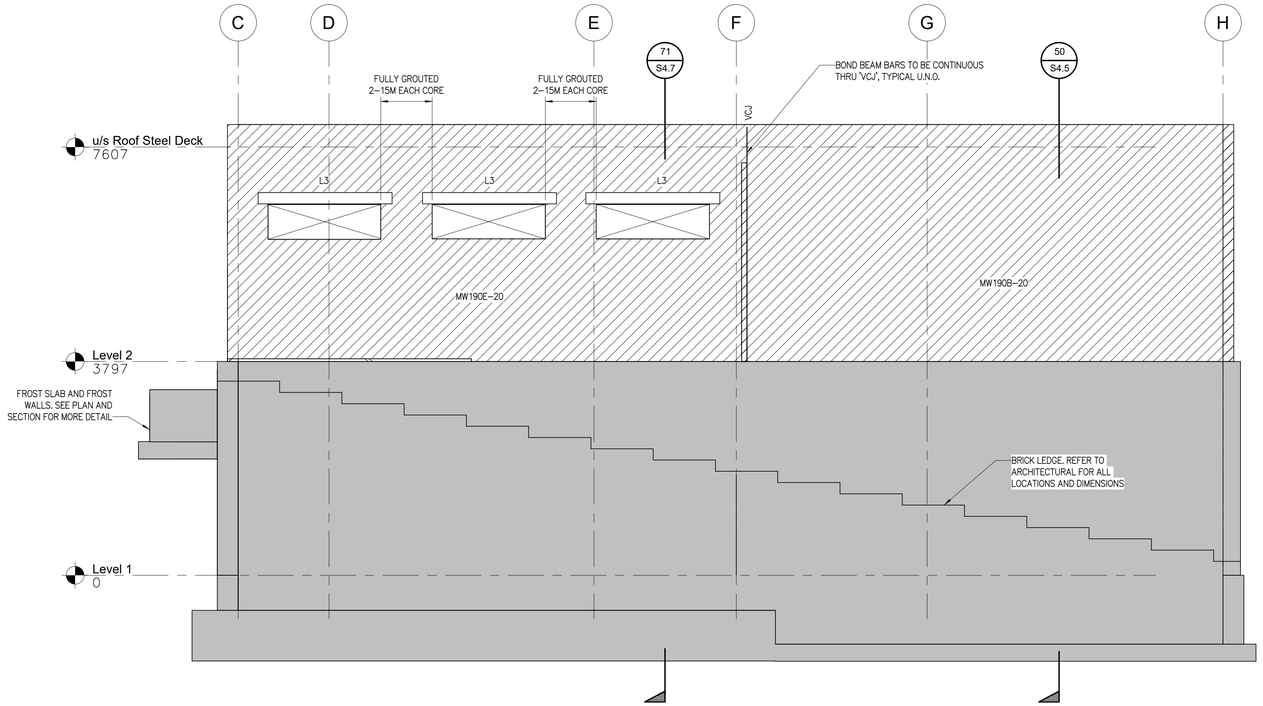

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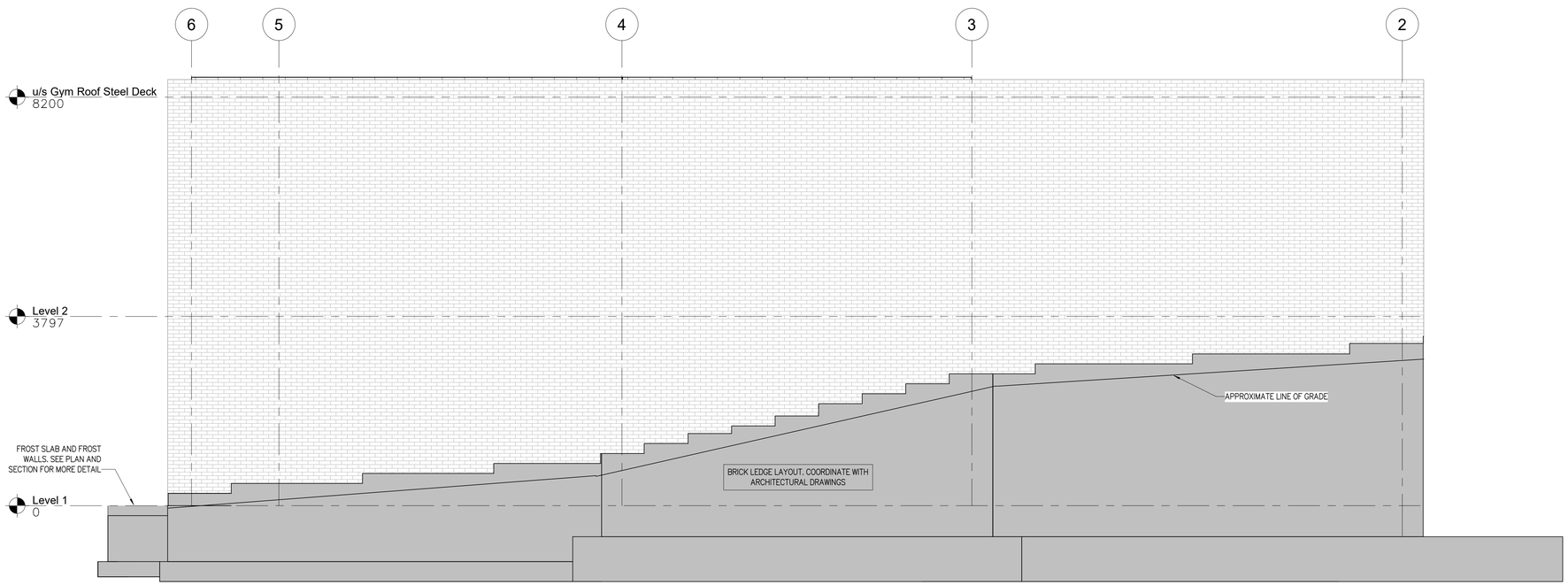

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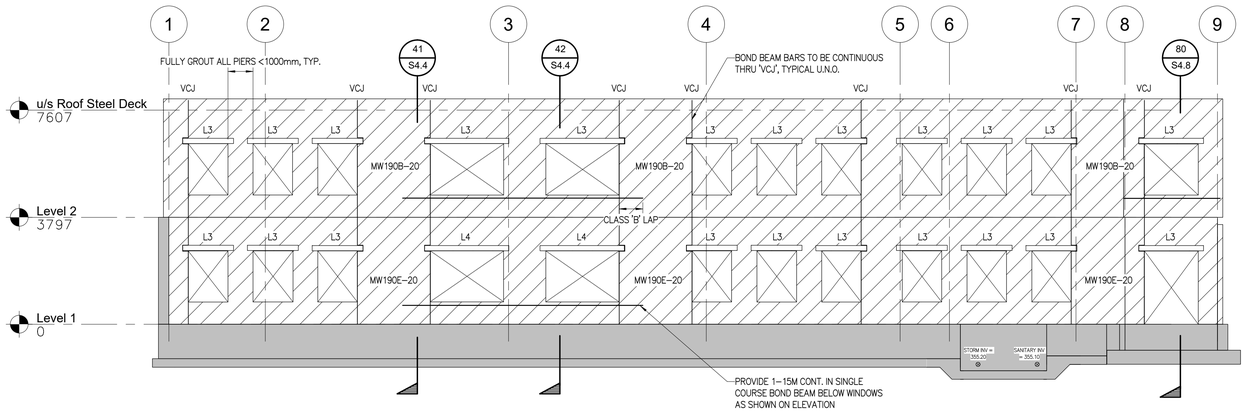

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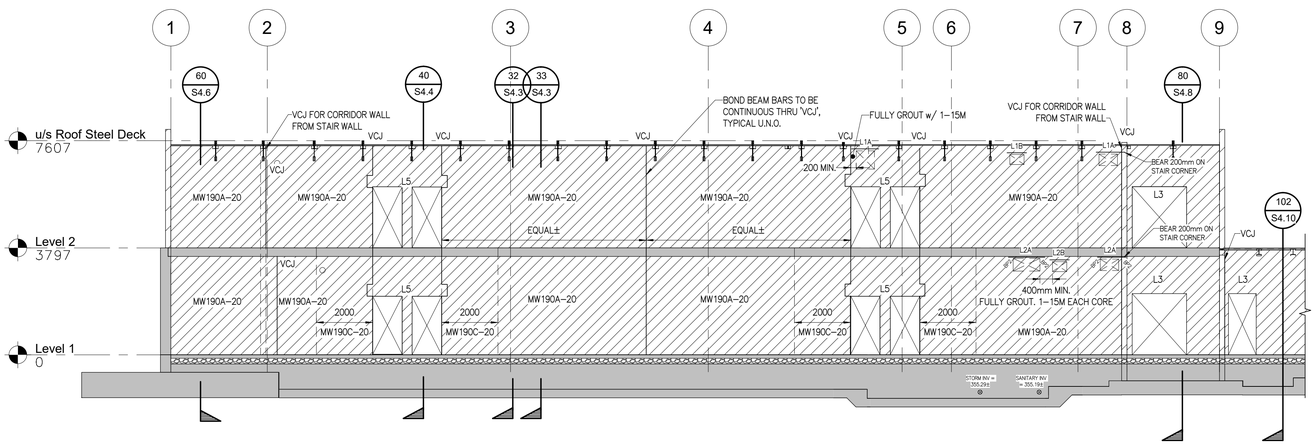

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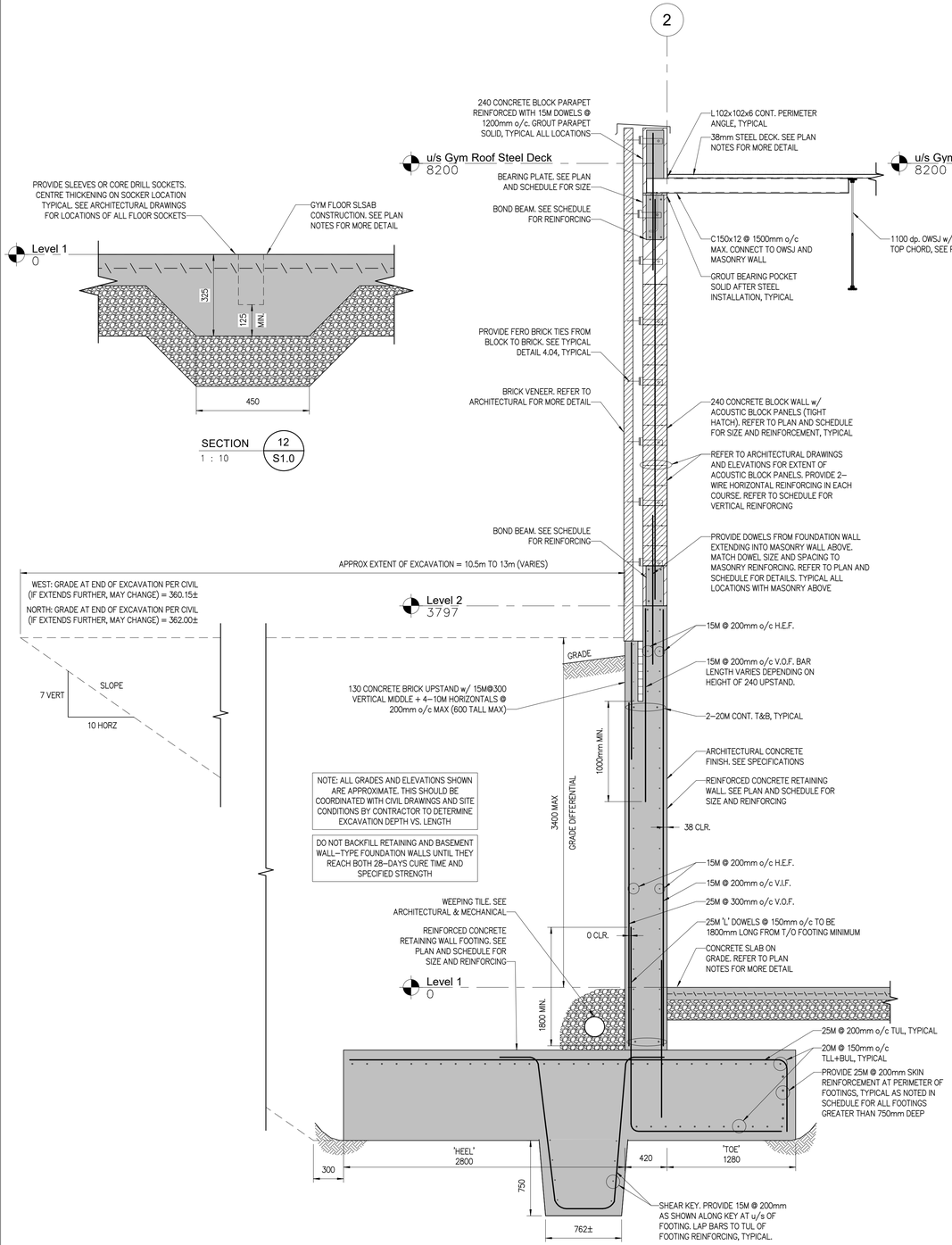

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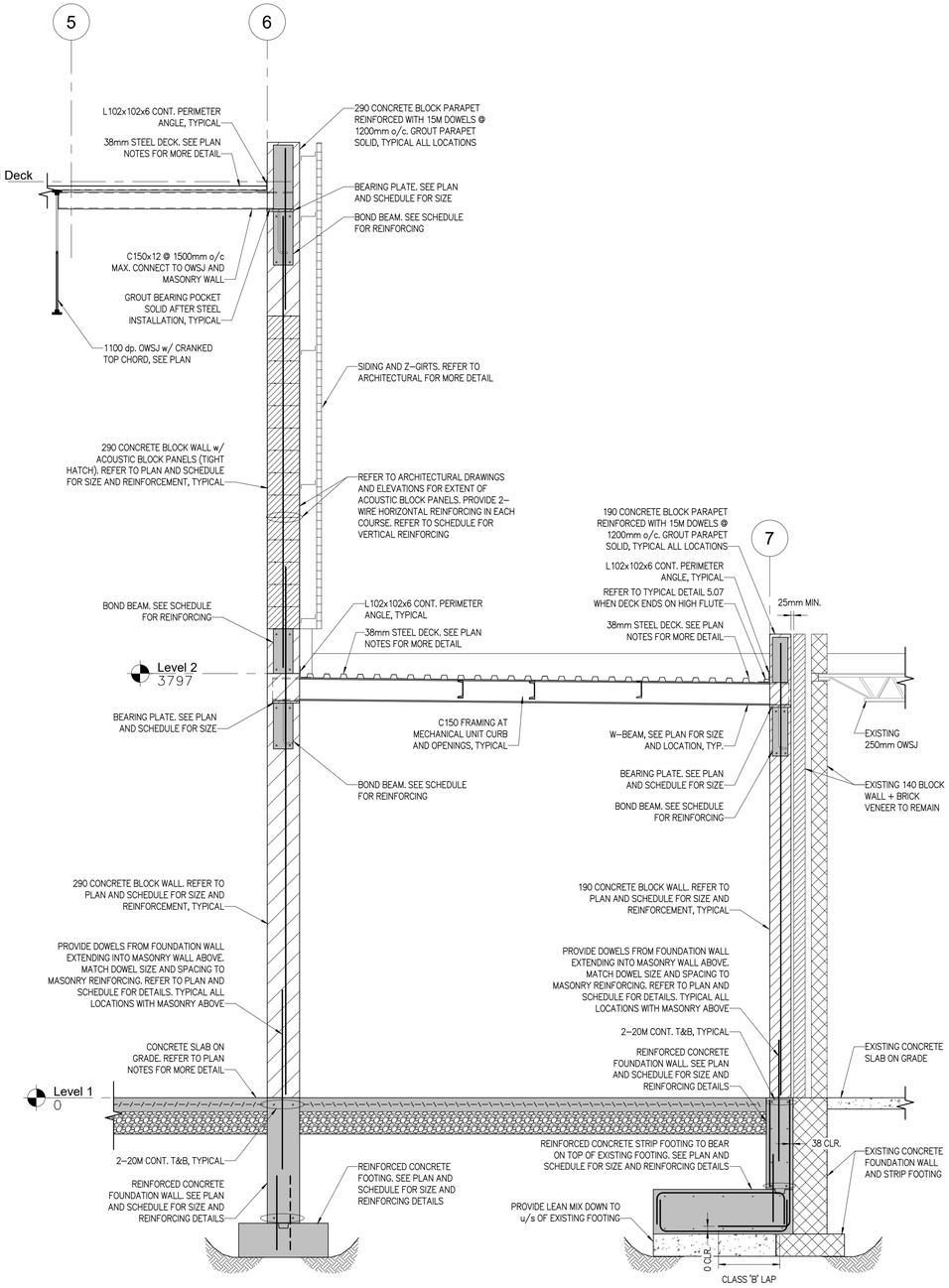

SECTION 11 / S1.0
1 : 25

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6	09.05.2025	ISSUED FOR PERMIT	AV
5	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
4	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
3	07.10.2025	ISSUED FOR 70% CLIENT REVIEW	PR
2	07.03.2025	ISSUED FOR COORDINATION	AV

St. Mark CES Addition

240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

SECTIONS

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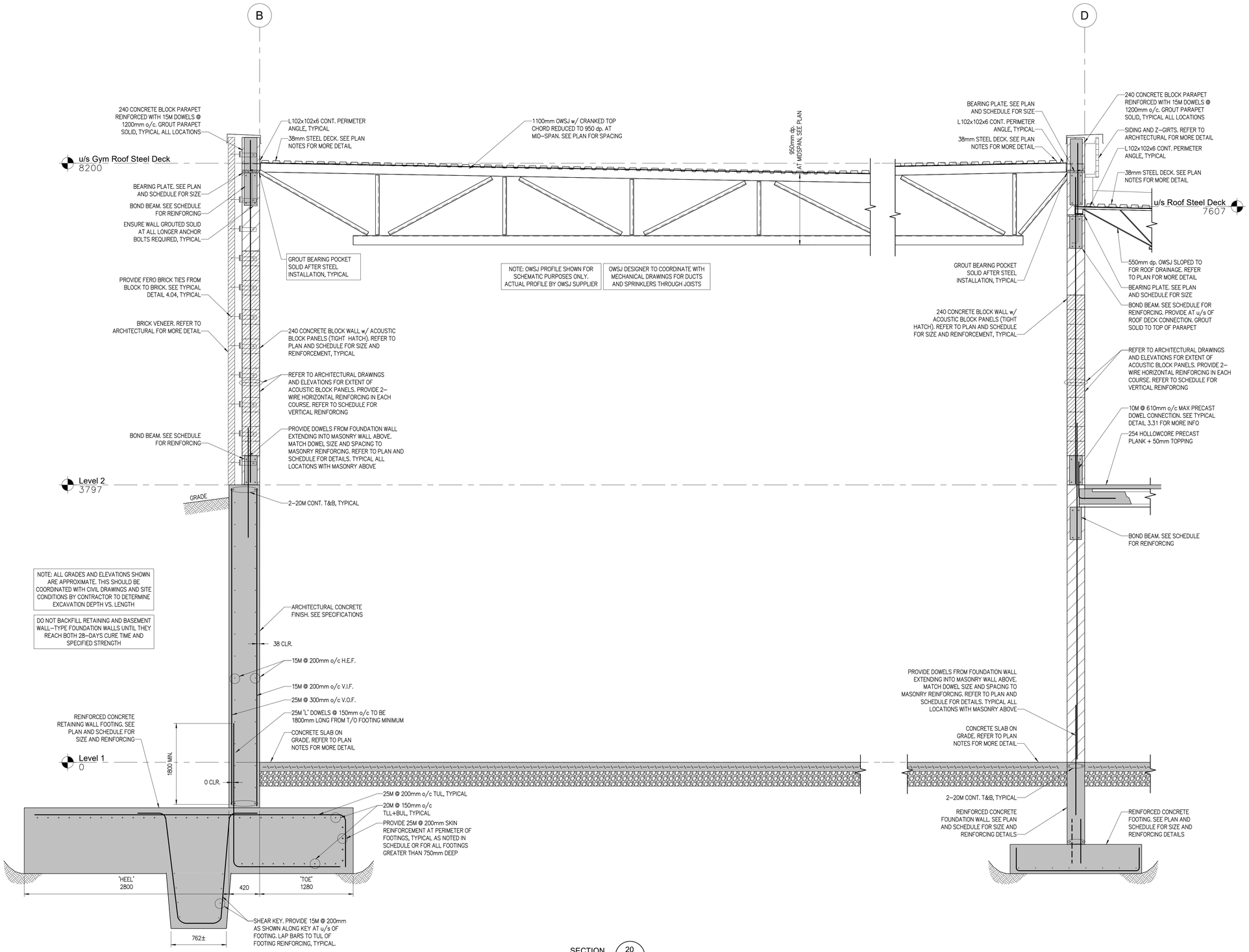

SECTION 20 / S1.0
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5	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
4	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
3	07.10.2025	ISSUED FOR 70% CLIENT REVIEW	PR
2	07.03.2025	ISSUED FOR COORDINATION	AV

St. Mark CES Addition

240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

SECTIONS

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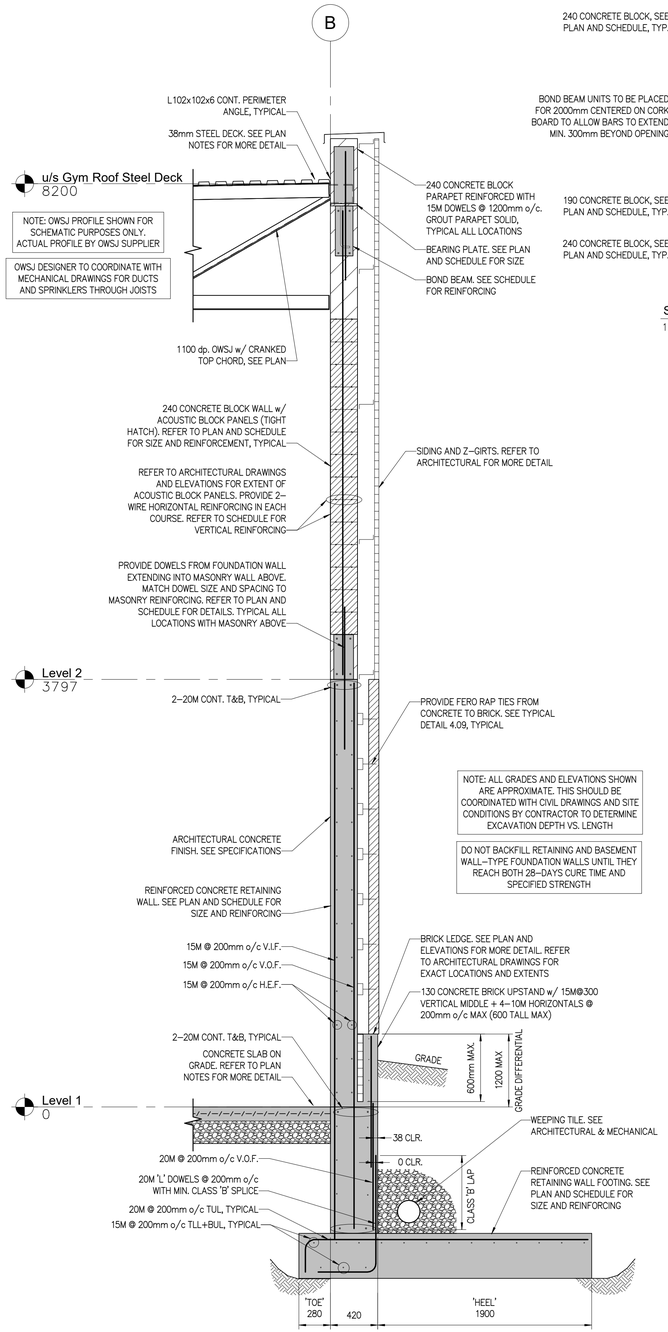
drawing number:

S4.2



SECTION 30 / S1.0
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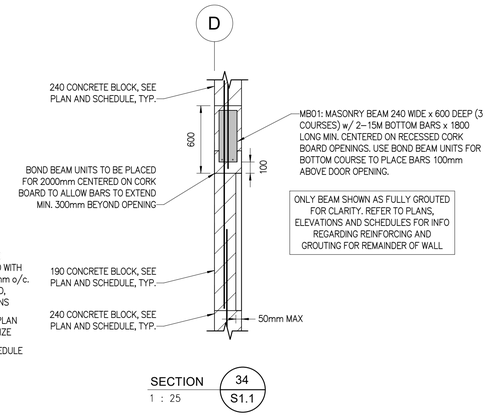

SECTION 34 / S1.1
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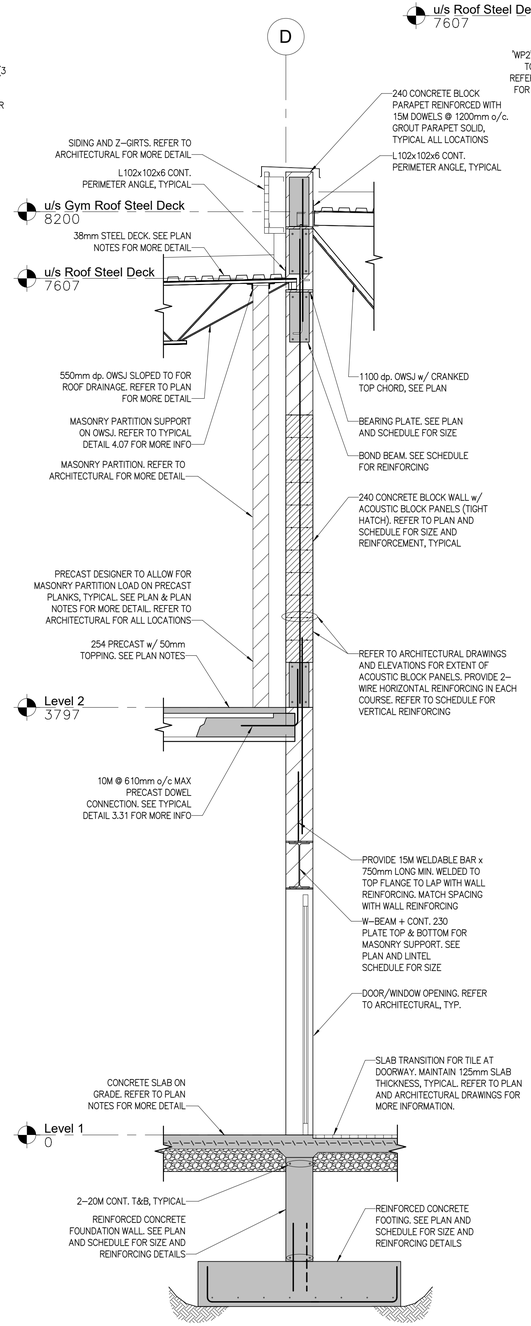

SECTION 31 / S1.0
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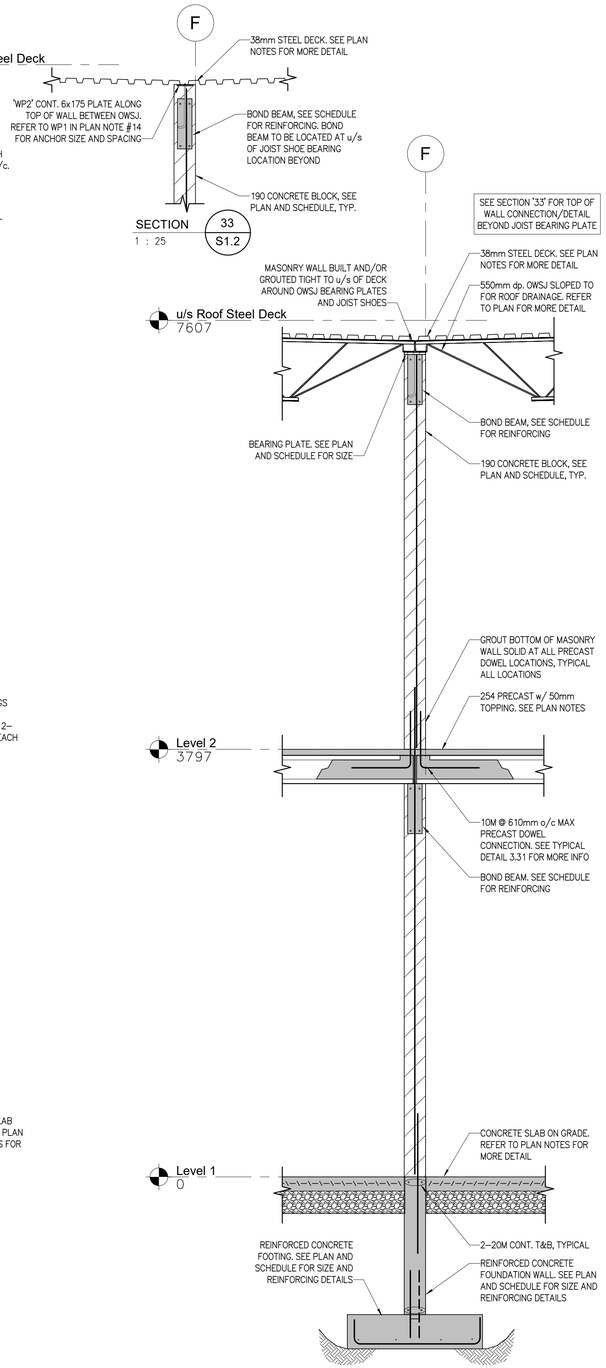

SECTION 32 / S1.0
1 : 25

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6	09.05.2025	ISSUED FOR PERMIT	AV
5	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
4	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
3	07.10.2025	ISSUED FOR 70% CLIENT REVIEW	PR
2	07.03.2025	ISSUED FOR COORDINATION	AV

St. Mark CES Addition

240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

SECTIONS

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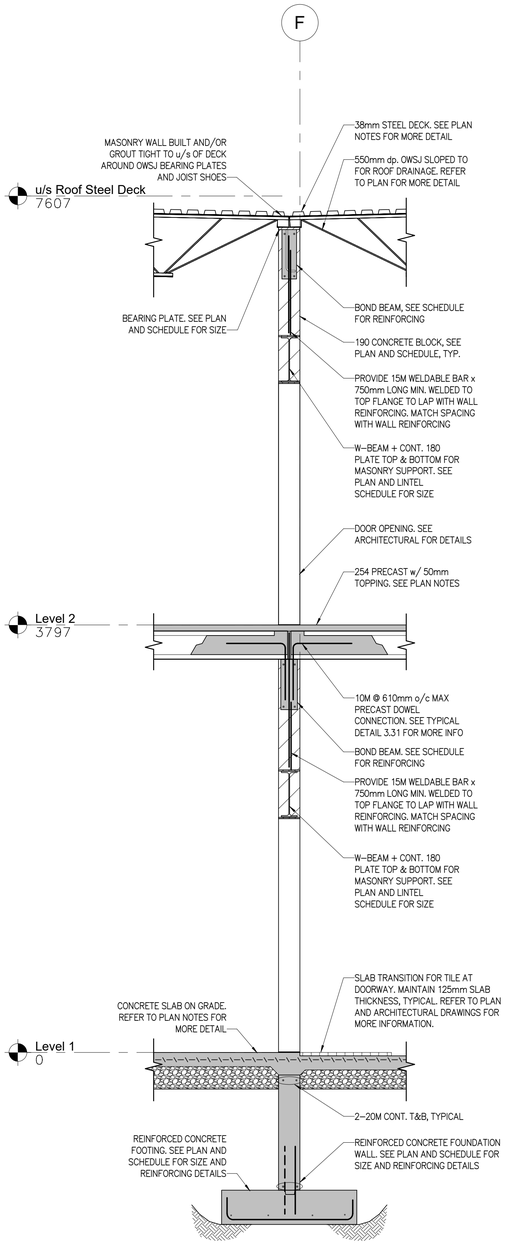
drawing number:

S4.3



SECTION 40 / S1.0
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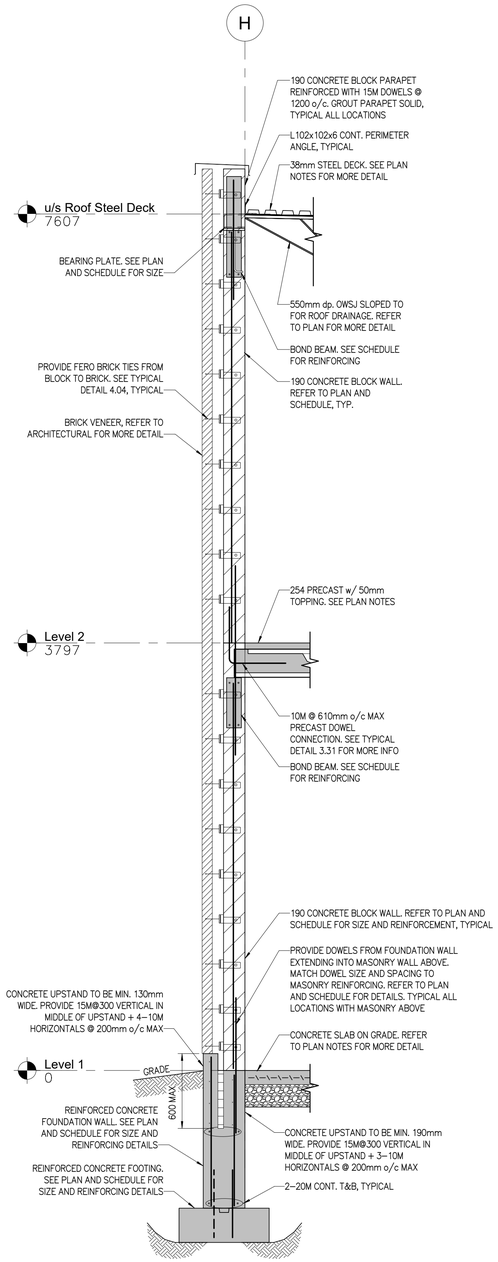

SECTION 41 / S1.0
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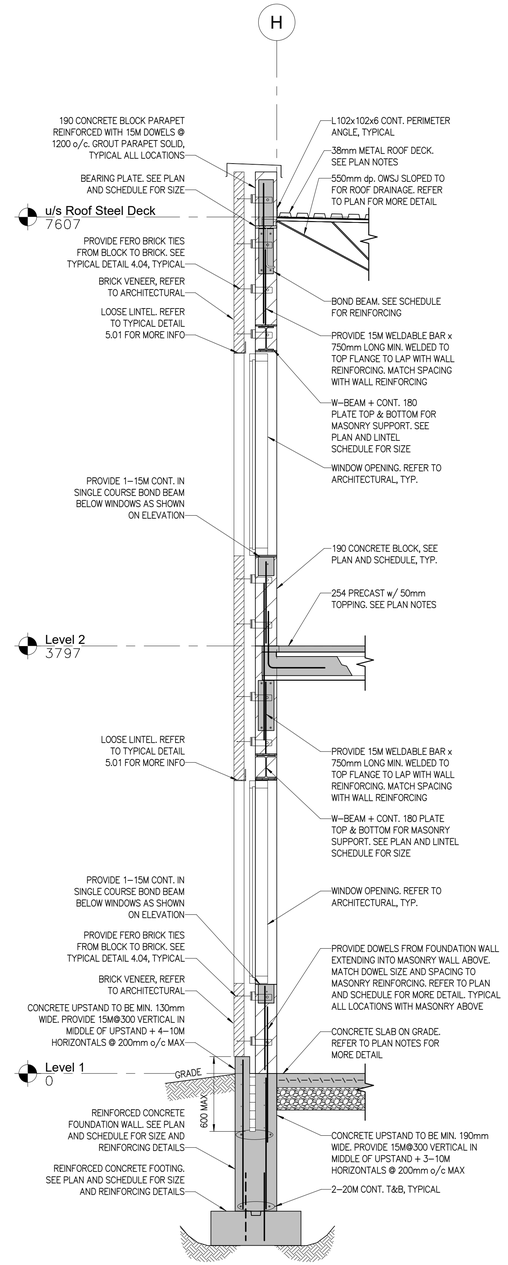

SECTION 42 / S1.0
1 : 25

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5	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
4	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
3	07.10.2025	ISSUED FOR 70% CLIENT REVIEW	PR
2	07.03.2025	ISSUED FOR COORDINATION	AV

St. Mark CES Addition

240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

SECTIONS

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reviewed by:	PR
job number:	25158
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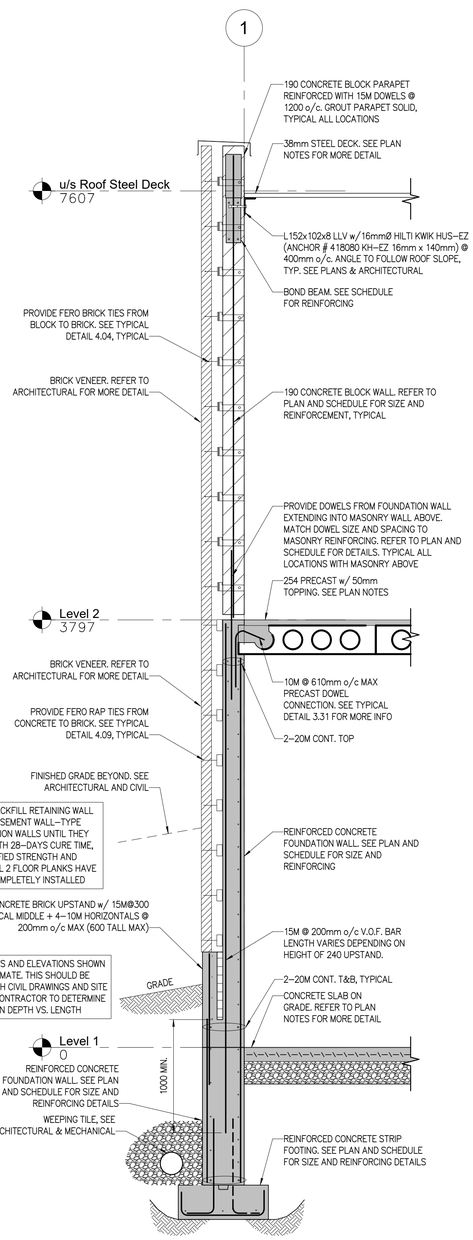
S4.4



SECTION 50 / S1.0
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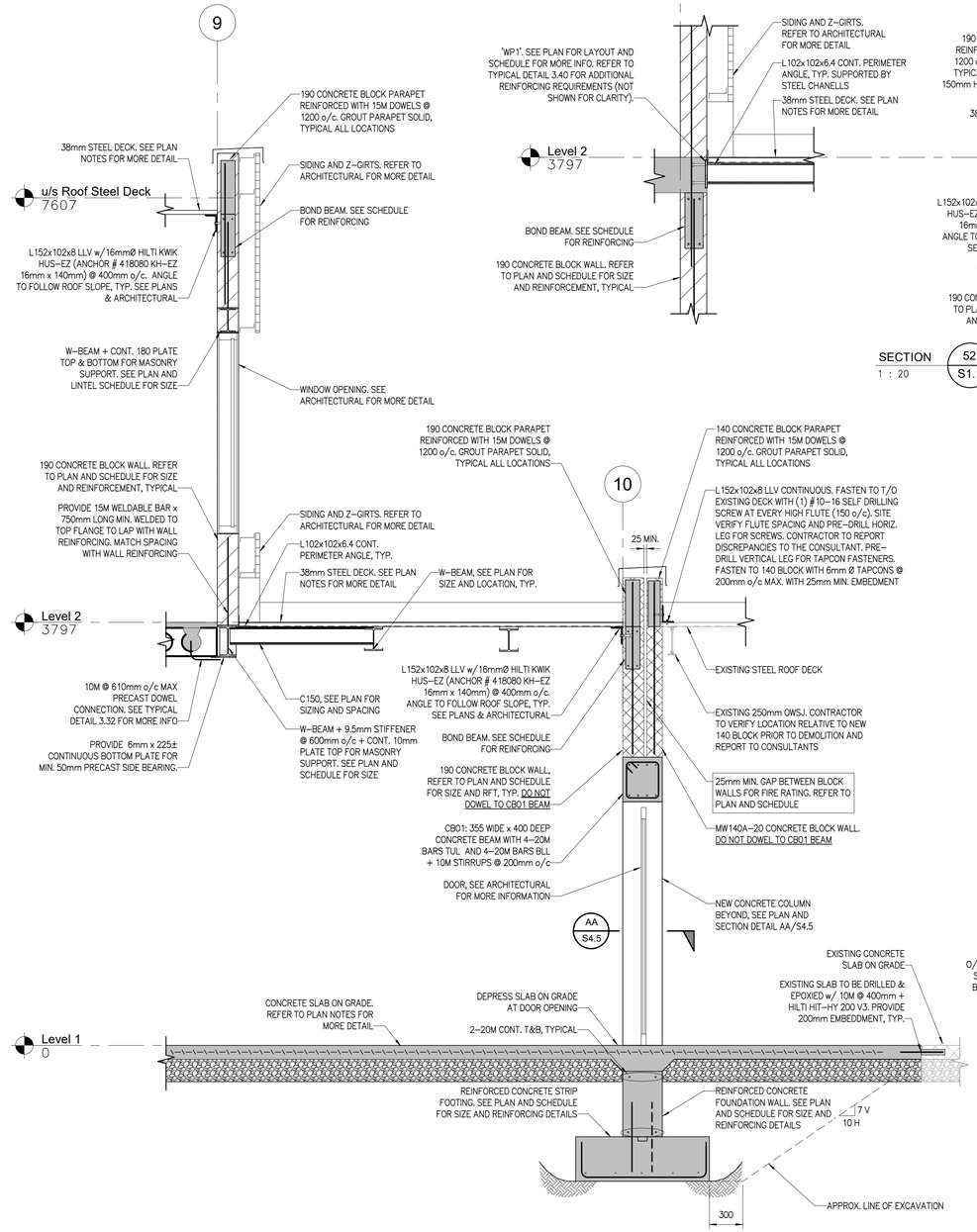

SECTION 51 / S1.0
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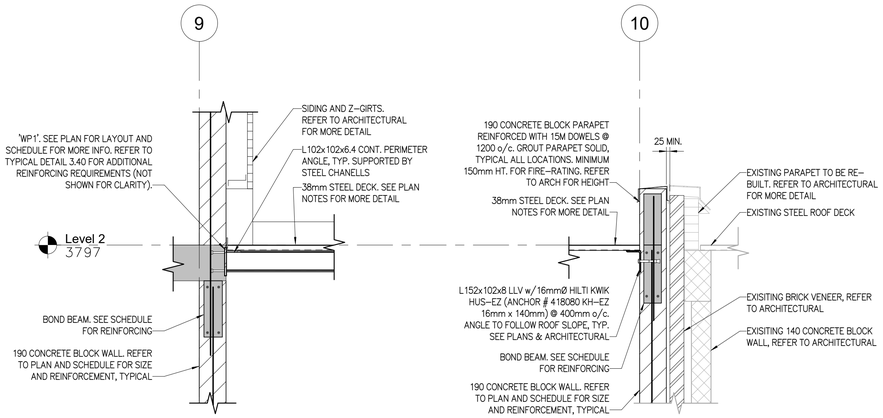

SECTION 52 / S1.1
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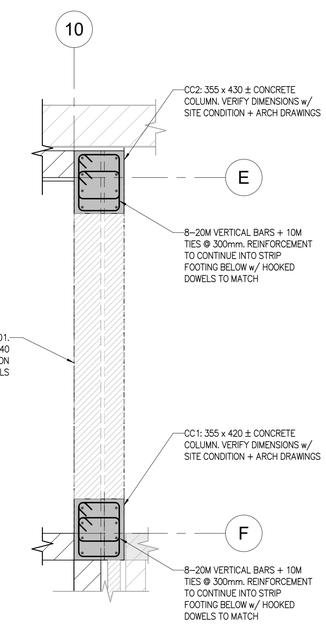

DETAIL AA / S4.5
1 : 20

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4	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
3	07.10.2025	ISSUED FOR 70% CLIENT REVIEW	PR
2	07.03.2025	ISSUED FOR COORDINATION	AV

St. Mark CES Addition

240 Autumn Hill Crescent
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SECTIONS

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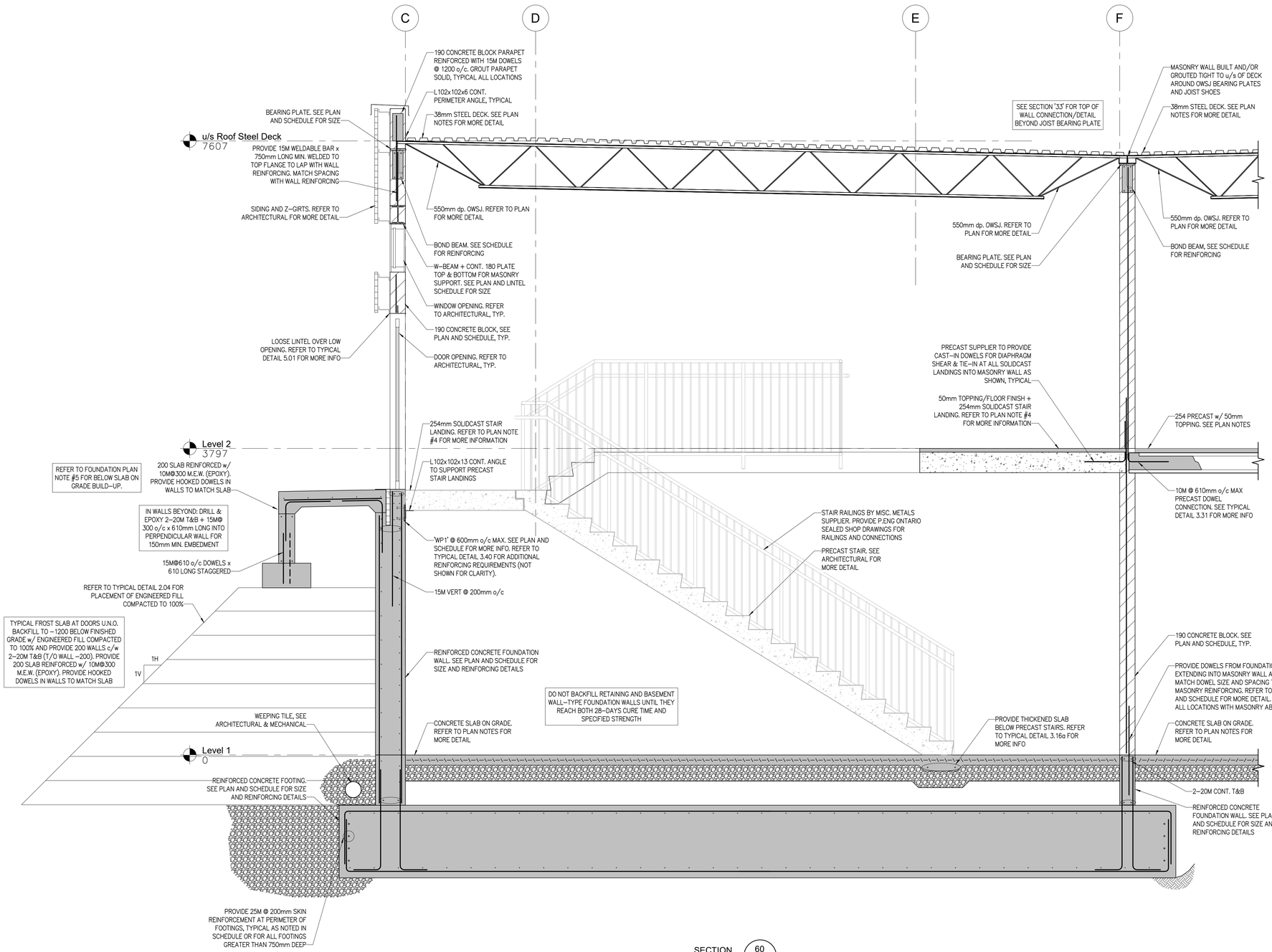

SECTION 60 / S1.0
1 : 25

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2	07.03.2025	ISSUED FOR COORDINATION	AV

St. Mark CES Addition

240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

SECTIONS

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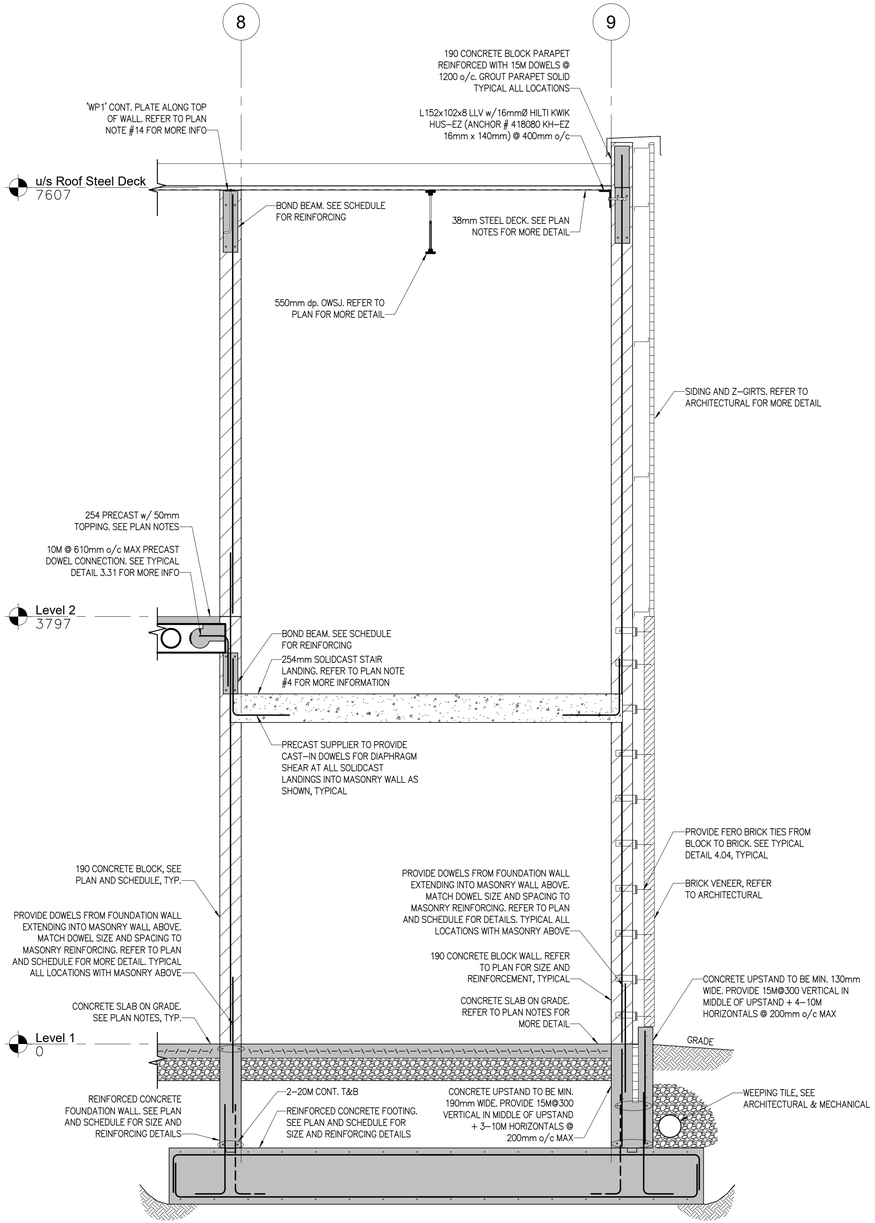

SECTION 70 / S1.0
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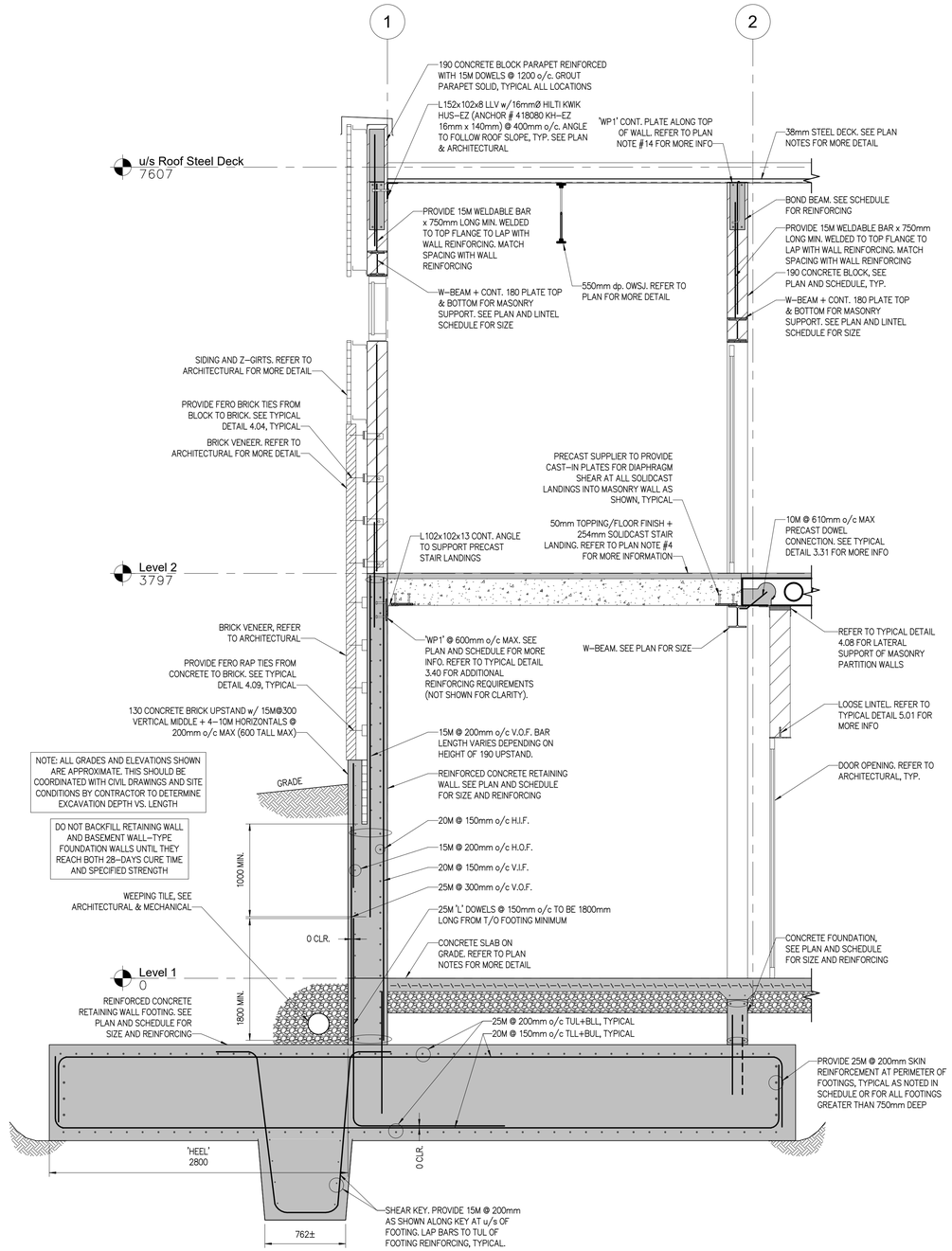

SECTION 71 / S1.0
1 : 25

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3	07.10.2025	ISSUED FOR 70% CLIENT REVIEW	PR
2	07.03.2025	ISSUED FOR COORDINATION	AV

St. Mark CES Addition

240 Autumn Hill Crescent
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SECTIONS

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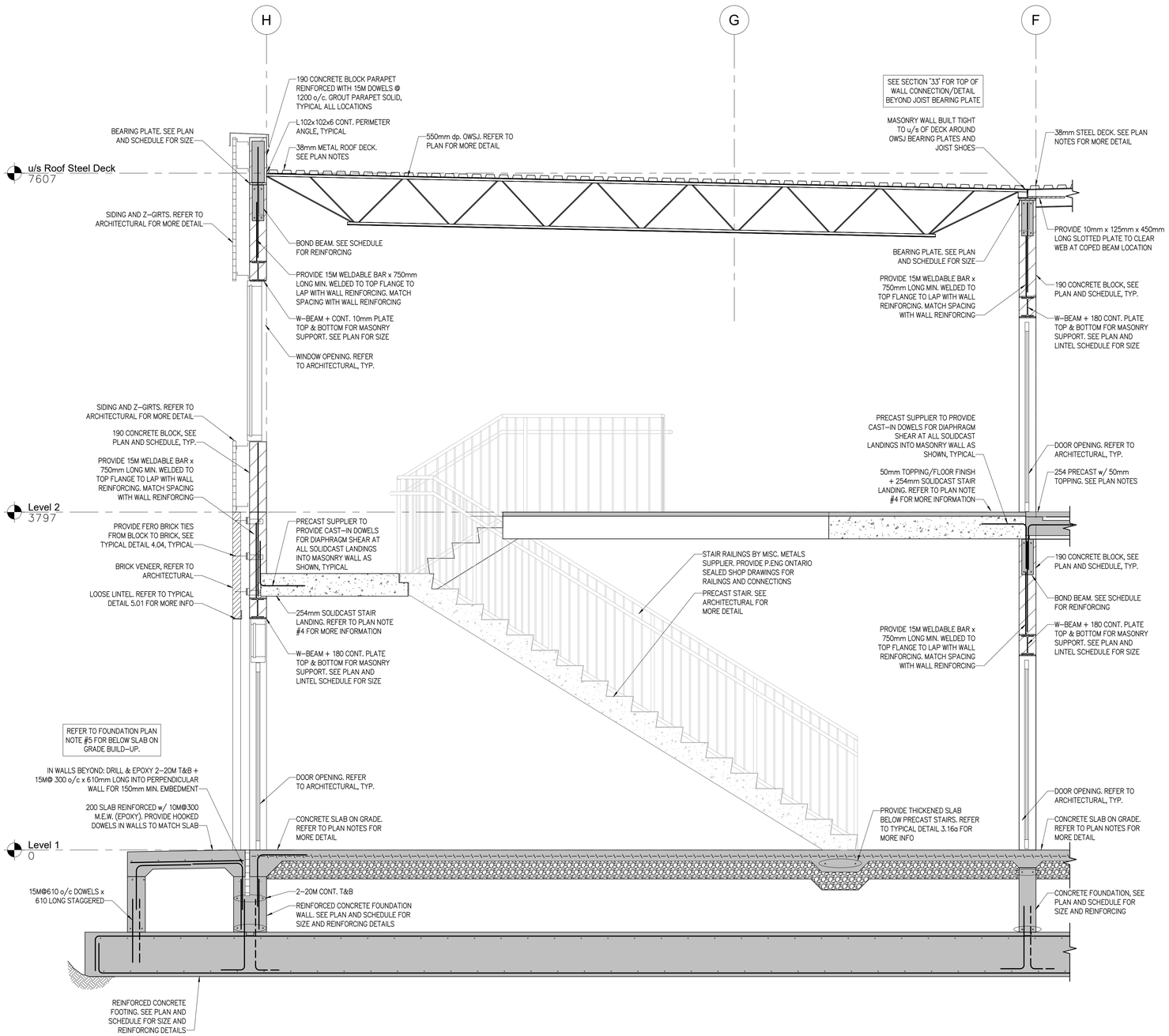

SECTION 80 / S1.0
1 : 25

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4	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
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2	07.03.2025	ISSUED FOR COORDINATION	AV

St. Mark CES Addition

240 Autumn Hill Crescent
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SECTIONS

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reviewed by:	PR
job number:	25158
plot date:	2026-04-23 1:50:19 PM

drawing number:

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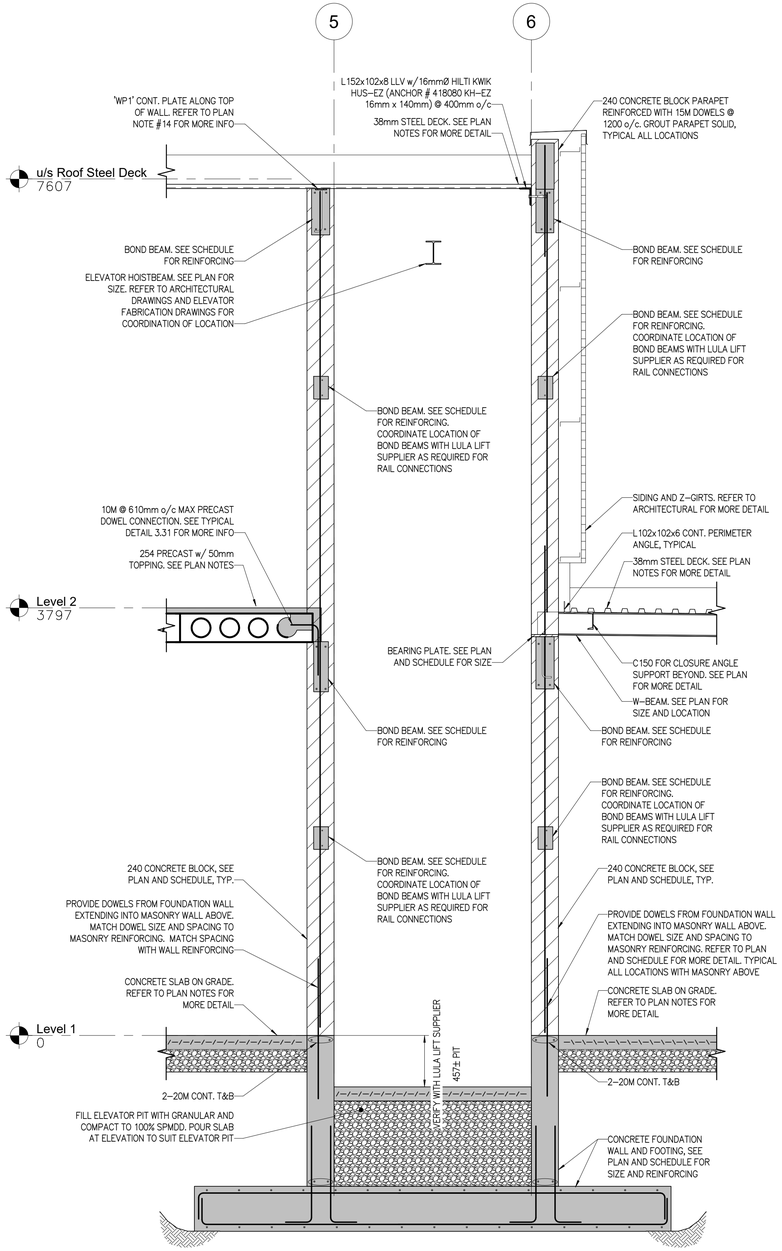

SECTION 90 / S1.0
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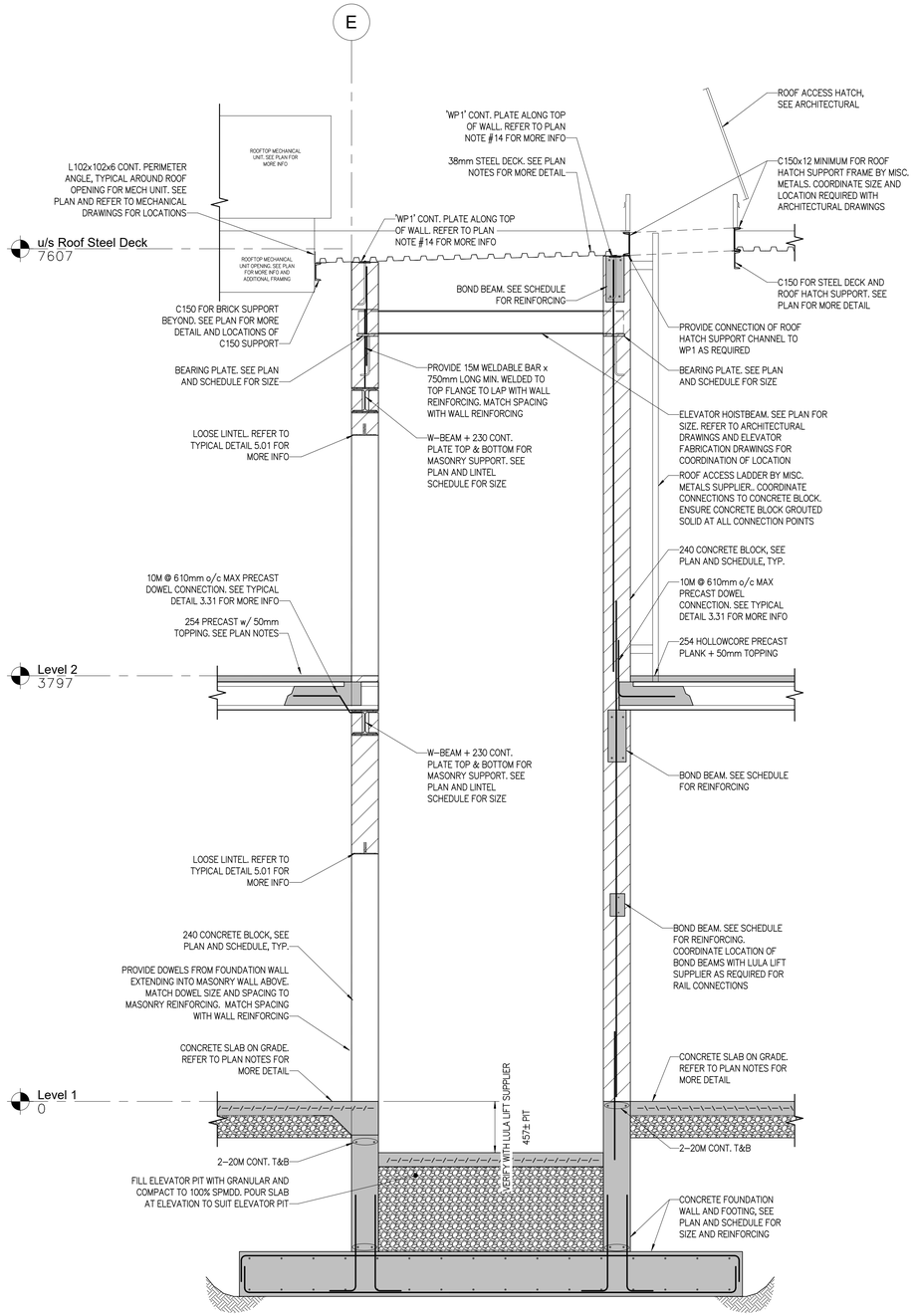

SECTION 91 / S1.0
1 : 25

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5	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
4	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
3	07.10.2025	ISSUED FOR 70% CLIENT REVIEW	PR
2	07.03.2025	ISSUED FOR COORDINATION	AV

St. Mark CES Addition

240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

SECTIONS

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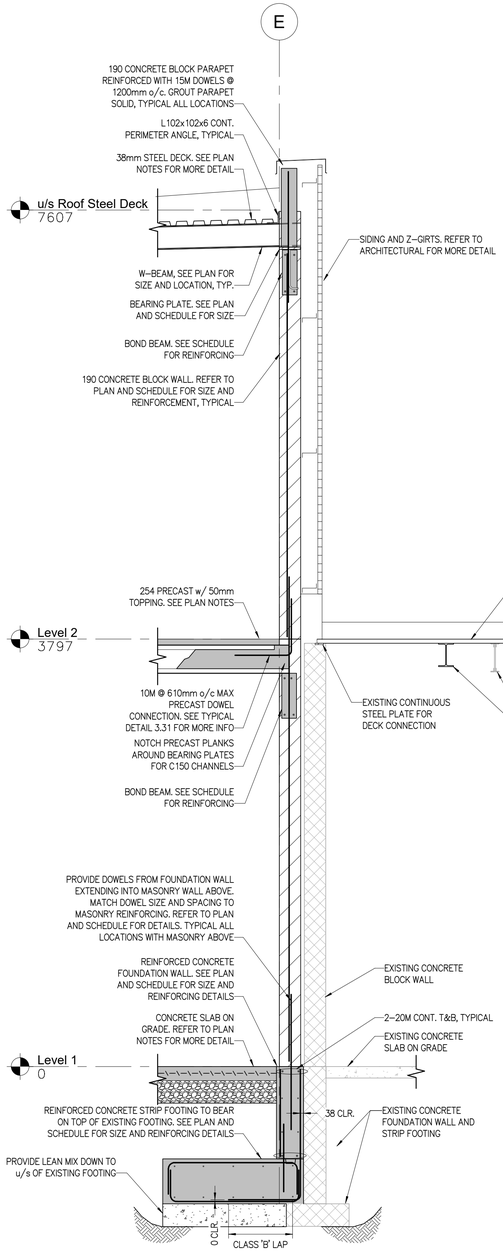
job number:	25158
plot date:	2026-04-23 1:50:21 PM

drawing number:

S4.9



SECTION 100 / S1.0
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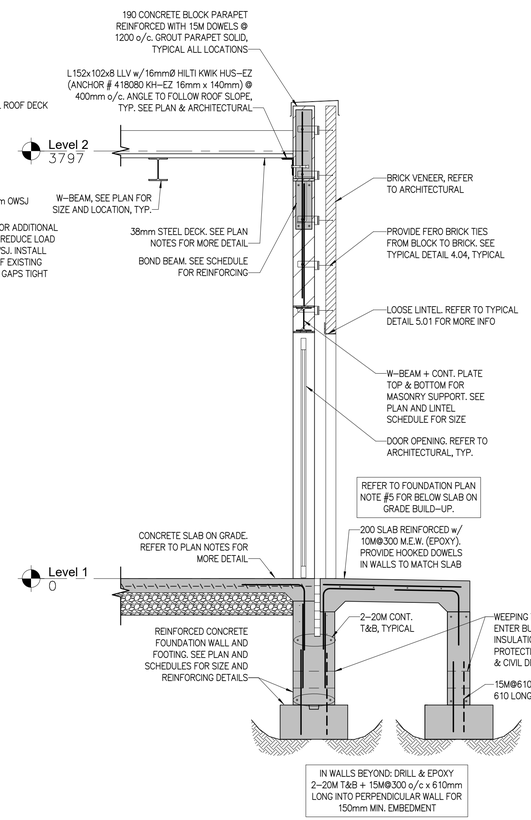

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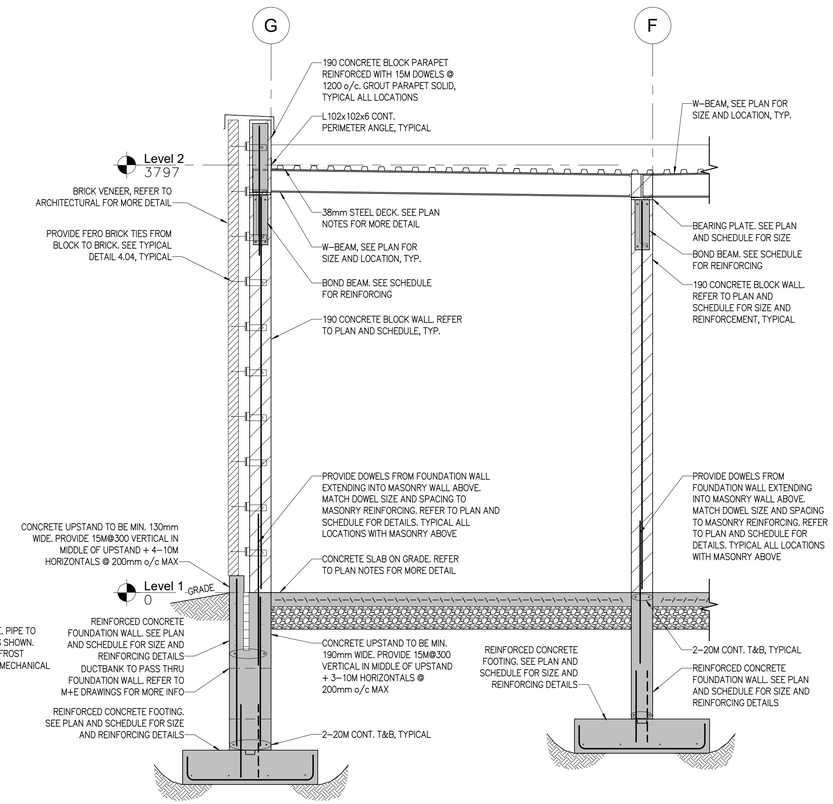

SECTION 102 / S1.0
1 : 25

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St. Mark CES Addition

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SECTIONS

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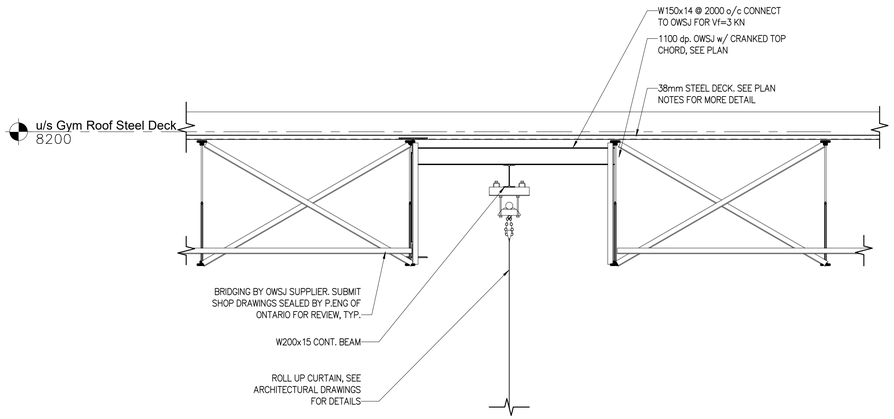

SECTION 110 / S1.2
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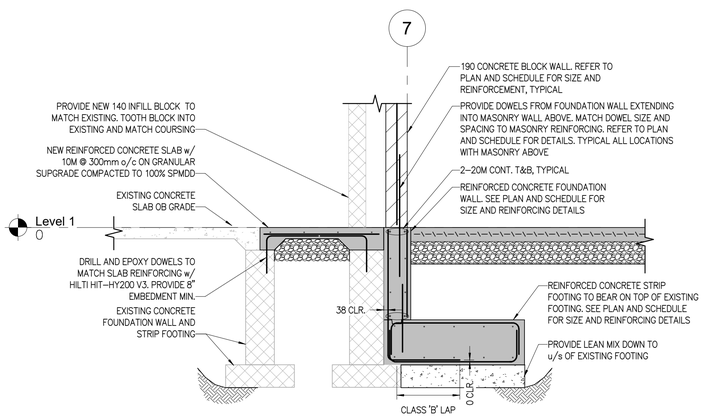

SECTION 113 / S1.0
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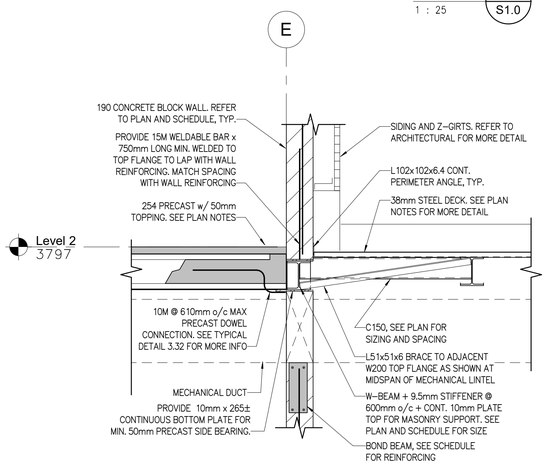

SECTION 114 / S1.1
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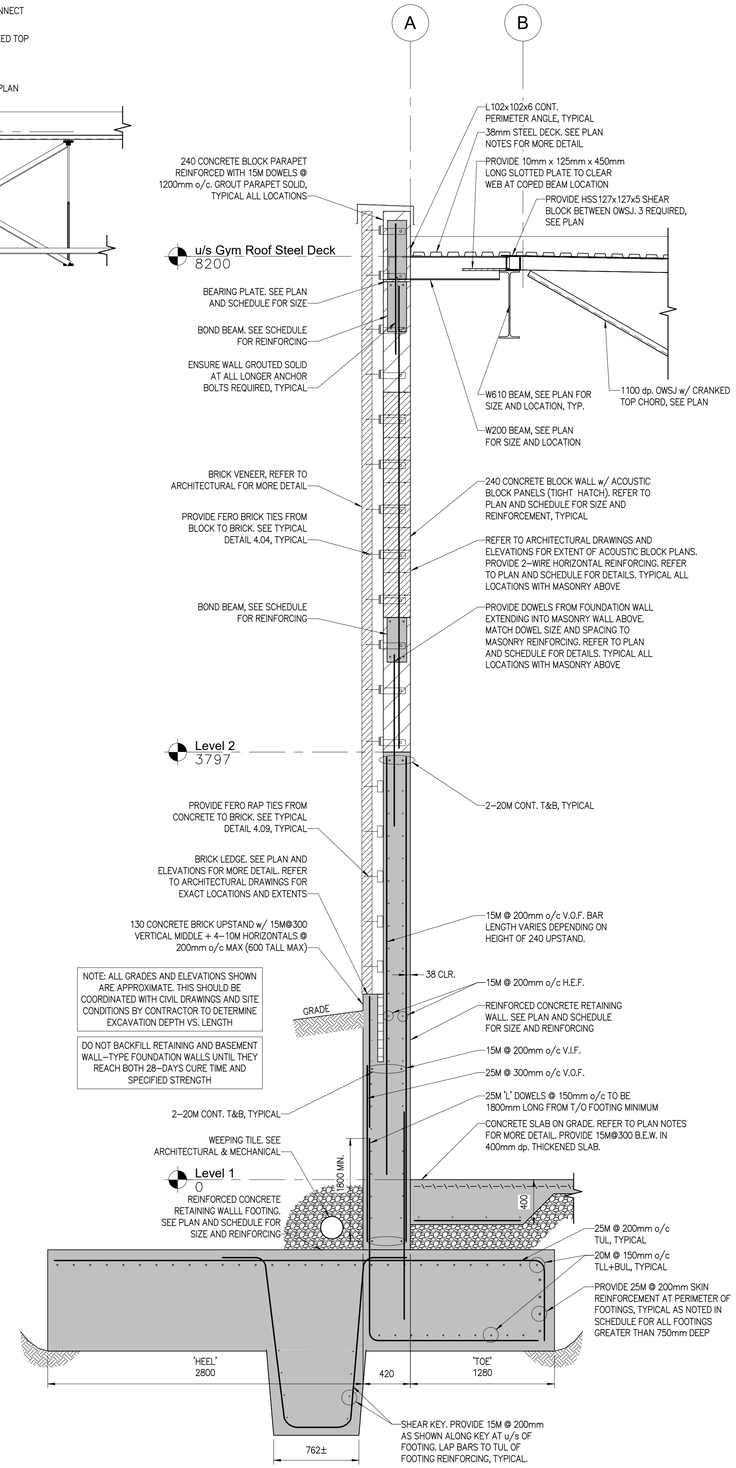

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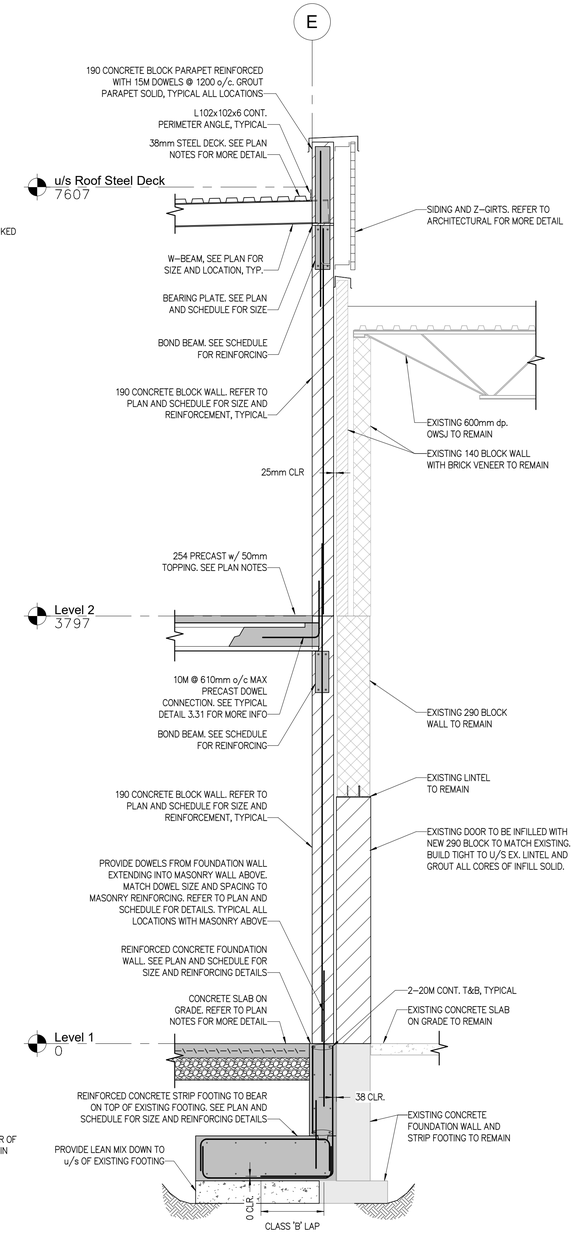

SECTION 112 / S1.0
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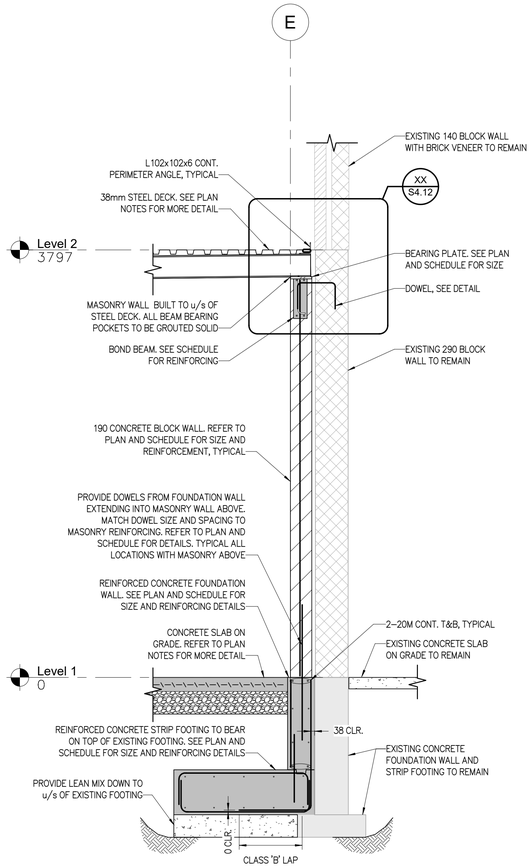

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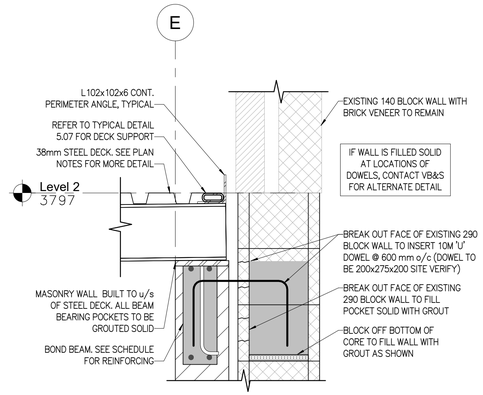

DETAIL XX / S4.12
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drawing number:

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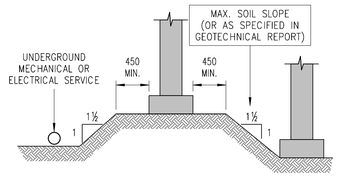
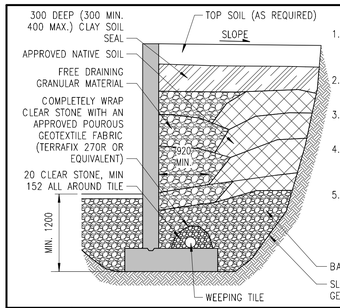


NOTES:

1. SOIL SLOPE AS SHOWN BETWEEN ADJACENT AND INDEPENDENT FOOTINGS OR EXCAVATIONS FOR UNDERGROUND SERVICES IS NOT TO BE VIOLATED. REPORT ANY DISCREPANCIES ON FOUNDATION PLAN THAT VIOLATE MAX. EXCAVATION SLOPE TO STRUCTURAL CONSULTANT FOR REMEDIAL ACTION.
2. SOIL SLOPE MAY BE SHALLOWER THAN SHOWN IF SPECIFIED BY GEOTECHNICAL CONSULTANT. (SEE GEOTECHNICAL REPORT)
3. DO NOT EXCAVATE ADJACENT TO EXISTING CONCRETE FOUNDATION WALLS WITHOUT PROVIDING APPROPRIATE SHORING TO LATERALLY SUPPORT THE EXISTING WALL ONCE THE ADJACENT SOIL IS REMOVED.
4. IF EXCAVATION SLOPE SHOWN ABOVE CANNOT BE MAINTAINED DUE TO SUCH THINGS AS UNFORSEEN SITE CONDITIONS, CONTACT THE STRUCTURAL CONSULTANT FOR DIRECTION ON REMEDIAL ACTION.
5. MAX. SLOPE BETWEEN EXCAVATIONS SHOWN ABOVE APPLIES TO NATIVE SOIL AND ENGINEERED GRANULAR FILL.

2.01 TYPICAL SECTION THROUGH ADJACENT EXCAVATIONS



NOTES:

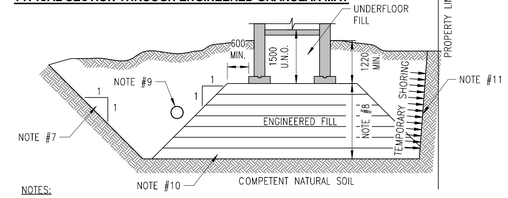
1. BACKFILL WALL EQUALLY BOTH SIDES OF WALL TO THE TOP OF THE LOW SIDE FILL LEVEL.
2. REFER TO GEOTECHNICAL REPORT FOR OTHER RELEVANT INFORMATION.
3. COMPACT ALL FILL TO 98% S.P.M.D.D. UNLESS NOTED.
4. USE HAND OPERATED LIGHT COMPACTION EQUIPMENT ONLY WITHIN 1800 OF FOUNDATION WALL.
5. AT AREAS WHERE PAVING ABUTTS FOUNDATION WALLS BACKFILL WITH FREE DRAINING GRANULAR FILL COMPACTED TO 98% S.P.M.D.D. TO UNDERSIDE OF PAVING STRUCTURE.

BACKFILL AS SPECIFIED

SLOPE SIDE OF EXCAVATION AS APPROVED BY GEOTECHNICAL CONSULTANT

2.03b BACKFILL ADJACENT TO RETAINING WALL w/ WEEPING TILE

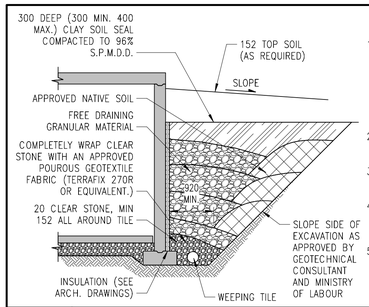
TYPICAL SECTION THROUGH ENGINEERED GRANULAR MAT



NOTES:

1. THE AREA MUST BE STRIPPED OF ALL TOPSOIL AND UNSUITABLE MATERIAL AND BULK EXCAVATED TO APPROVED SUBGRADE ELEVATIONS.
2. AFTER BULK EXCAVATION DOWN TO APPROVED SUBGRADE LEVEL, THE SUBGRADE IS TO BE PROOF ROLLED AND ANY SOFT SPOTS REMOVED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER.
3. THE APPROVED GRANULAR 'B' FILL USED AS ENGINEERED FILL MUST BE COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY THROUGHOUT.
4. FULL TIME GEOTECHNICAL INSPECTION IS REQUIRED DURING PLACEMENT OF THE ENGINEERED FILL.
5. THE FILL MUST BE PLACED SUCH THAT THE SPECIFIED GEOMETRY IS ACHIEVED. REFER TO TYPICAL SECTION THROUGH GRANULAR MAT FOR MINIMUM REQUIREMENTS.
6. AN ALLOWABLE BEARING PRESSURE AS SPECIFIED ON THE FOUNDATION PLAN MAY BE USED PROVIDED THAT ALL CONDITIONS OUTLINED ABOVE ARE ADHERED TO. A MINIMUM FOOTING WIDTH OF 500 IS REQUIRED.
7. ALL EXCAVATIONS TO CONFORM TO THE MOST RECENT VERSION OF THE ONTARIO HEALTH AND SAFETY REGULATIONS FOR A TYPE III SOIL.
8. TOTAL DEPTH OF THE GRANULAR MAT IS DEPENDANT ON THE DEPTH TO COMPETENT NATIVE SOIL. REFER TO FOUNDATION PLAN AND GEOTECHNICAL REPORT FOR INFORMATION ON DEPTH TO NATURAL COMPETENT SOIL FROM FINISHED FLOOR ELEVATION.
9. LOCATE FOOTINGS AND/OR SERVICES SUCH THAT SERVICE LIES OUTSIDE 1 TO 1 SLOPE OF GRANULAR MAT.
10. APPROVED GRANULAR 'B' FILL PLACED IN 300 LOOSE MEASURED LIFTS & COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
11. WHERE PROPERTY LINE OR OTHER PHYSICAL OBSTRUCTION DOES NOT ALLOW EXCAVATION AS SPECIFIED IN NOTE #7 – SHORE SIDE OF EXCAVATION AS REQUIRED TO REACH SPECIFIED EXCAVATION DEPTH. GENERAL CONTRACTOR TO SUBMIT SHORING DRAWINGS AND PROCEDURE STAMPED BY PROFESSIONAL ENGINEER RESPONSIBLE FOR SHORING DESIGN TO STRUCTURAL CONSULTANT FOR REVIEW.
12. THESE GUIDELINES ARE TO BE READ IN CONJUNCTION WITH THE GEOTECHNICAL REPORT. SEE FOUNDATION PLAN FOR GEOTECHNICAL CONSULTANT AND APPLICABLE REPORT NUMBER.

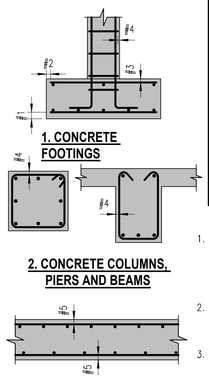
2.04 ENGINEERED GRANULAR FILL FOUNDATION MAT



NOTES:

1. DO NOT BACKFILL WALLS UNTIL SUSPENDED FLOOR SYSTEM IS POURED AND CURED OR BRACING SYSTEM, DESIGNED BY CONTRACTOR'S RETAINED ENGINEER, IS INSTALLED TO RESIST LATERAL SOIL LOADS.
2. REFER TO GEOTECHNICAL REPORT FOR OTHER RELEVANT INFORMATION.
3. COMPACT ALL FILL TO 98% S.P.M.D.D. UNLESS NOTED.
4. USE HAND OPERATED LIGHT COMPACTION EQUIPMENT ONLY WITHIN 1800 OF FOUNDATION WALL.
5. AT AREAS WHERE PAVING ABUTTS FOUNDATION WALLS BACKFILL WITH FREE DRAINING GRANULAR FILL COMPACTED TO 98% S.P.M.D.D. TO UNDERSIDE OF PAVING STRUCTURE.

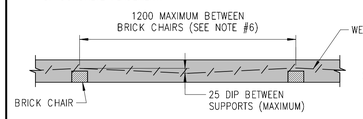
2.02 BACKFILL ADJACENT TO BASEMENT WALL



COVER TYPE	DESCRIPTION	CLEAR COVER (mm)[1]	
		EXPOSED[2]	NOT EXPOSED
#1	TO BOTTOM BARS IN PAD OR STRIP FOOTING	75	N/A
#2	TO BARS FROM SIDE OF PAD OR STRIP FOOTING	40 OR 75[3]	N/A
#3	TO TOP BARS IN PAD OR STRIP FOOTING	40	N/A
#4	TO TIES IN COLUMNS/PIERS AND TO STIRRUPS IN BEAMS	45	35
#5	TO TUL/BLL BARS IN SLABS OR OUTER BARS IN WALLS	≤ 25M–40 30M–45 35M–55	≤ 20M–20 25M–25 30M–30 35M–40

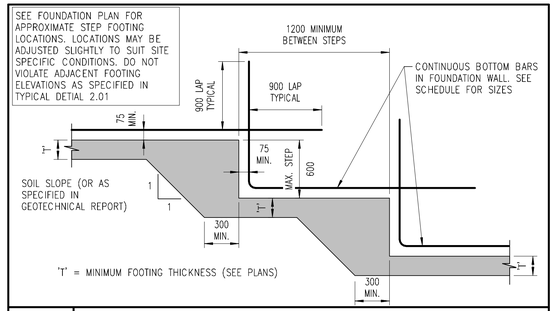
NOTES:

1. CLEAR COVER IS MEASURED FROM THE CONCRETE SURFACE (OR INSIDE FACE OF FORM) TO THE NEAREST DEFORMATION (OR SURFACE FOR SMOOTH BARS OR WIRES) OF THE REINFORCEMENT. FOR TEXTURED ARCHITECTURAL SURFACES IT IS MEASURED FROM THE DEEPEST POINT OF THE TEXTURED SURFACE.
2. THE CONCRETE IS EXPOSED IF IT IS AN EXTERIOR APPLICATION THAT IS SUBJECT TO WEATHER, OR CONCRETE PERMENANTLY EXPOSED TO SOIL.
3. IF THE PAD/STRIP FOOTING IS FORMED USING WOOD OR STEEL FORMWORK, USE A COVER OF 40. IF THE PAD/STRIP FOOTING IS GROUND FORMED AND CAST AGAINST SOIL, USE 75.
4. IF THE CONCRETE IS SUBJECT TO EXPOSURE CLASSES C–1 TO C–4 SEE CSA/CAN A23.1–94 FOR THE CLEAR COVER REQUIRED.
5. OBSERVE TOLERANCES SPECIFIED IN CSA/CAN A23.1–94 (12.8) WHEN PLACING REINFORCING IN THE FIELD. DIFFERENCES IN COVER GREATER THAN THE TOLERANCES SPECIFIED IN THIS STANDARD MUST BE CORRECTED PRIOR TO PLACING CONCRETE. ENSURE THAT THE REINFORCING IS ADEQUATELY TIED AND SUPPORTED TO AVOID SHIFTING DURING PLACEMENT OF CONCRETE.
6. REFER TO DETAIL #4 BELOW – USE BRICK CHAIRS (OR ACCEPTABLE EQUIVALENT) TO SUPPORT WELDED WIRE MESH SHEETS OR ROLLS AT THE CENTRE OF THE SLAB ON GRADE. SUPPORTS ARE TO BE SPACED AT 1200 MAXIMUM IN EACH DIRECTION. IT IS NOT ACCEPTABLE TO LIFT UNSUPPORTED MESH INTO PLACE AT THE TIME OF CONCRETE PLACEMENT.

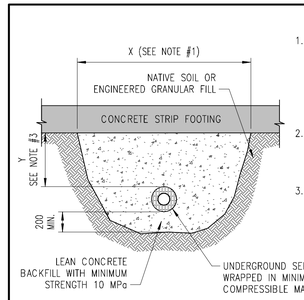


4. CONCRETE SLAB ON GRADE

3.01 COVER TO REINFORCING BARS IN CONCRETE ELEMENTS



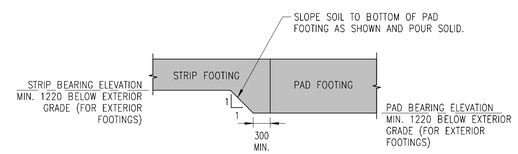
3.02 TYPICAL STEP FOOTING



NOTES:

1. IF WIDTH OF EXCAVATION (X) FOR SERVICE BELOW CONCRETE STRIP FOOTING EXCEEDS 1800, STEP FOOTING SO STRIP FOOTING PASSES BELOW SERVICE (SEE TYPICAL DETAIL 3.02 FOR TYPICAL STEP FOOTINGS). INFORM STRUCTURAL CONSULTANT UNDERGROUND SERVICES WHICH PASS BELOW CONCRETE STRIP FOOTINGS.
2. PLACING SERVICES BELOW CONCRETE PAD FOOTINGS IS NOT ACCEPTABLE. RELOCATE SERVICE TO AVOID CONFLICT WITH PAD FOOTING, OR LOWER PAD FOOTING BELOW SERVICE.
3. COMPLETELY FILL EXCAVATION FOR SERVICE WITH LEAN CONCRETE FILL TO UNDERSIDE OF STRIP FOOTING. EXTEND LEAN CONCRETE A DIMENSION 'Y' IN PLAN EACH SIDE OF STRIP FOOTING.

3.04 UNDERGROUND SERVICE BELOW CONTINUOUS CONCRETE STRIP FOOTINGS



NOTES:

1. BEARING ELEVATIONS SHOWN ON FOUNDATION PLAN SET FOR TOP OF STRIP FLUSH WITH TOP OF PAD FOOTINGS. REPORT ANY DISCREPANCIES ON FOUNDATION PLAN TO STRUCTURAL CONSULTANT.
2. REINFORCING IN STRIP AND PAD FOOTING NOT SHOWN FOR CLARITY – SEE FOUNDATION PLAN AND FOOTING SCHEDULES FOR REINFORCING.

3.03 STRIP FOOTING ADJACENT TO DEEPER PAD FOOTING

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VB&S STRUCTURAL ENGINEERS
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London, ON N5W 3A7
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368 Oxford Street East
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520 Bingemans Centre Drive
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mte85.com

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#	date:	revision:	by:
5	04.24.2026	ISSUED FOR TENDER	AV
4	09.05.2025	ISSUED FOR PERMIT	AV
3	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
2	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
1	07.11.2025	ISSUED FOR 70% CLIENT REVIEW	PR

St. Mark CES Addition

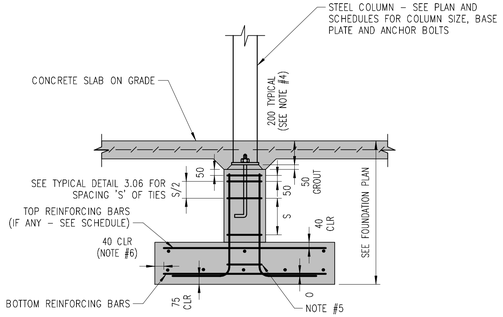
240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

TYPICAL DETAILS

scale:	1 : 10
drawn by:	AV
reviewed by:	PR
job number:	25158
plot date:	2026-04-23 1:51:45 PM

drawing number:

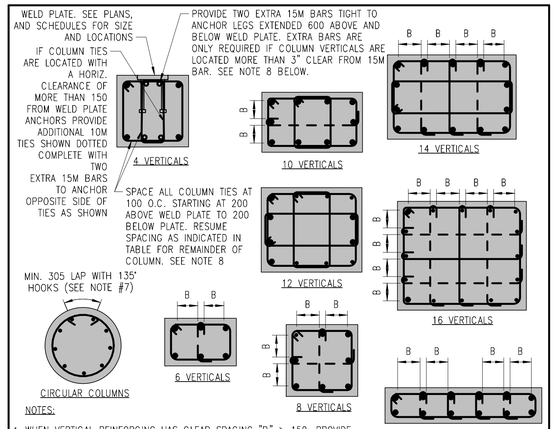
S5.1



NOTES:

1. SEE FOUNDATION AND FOOTING SCHEDULES FOR PAD FOOTING BEARING ELEVATION, PLAN SIZE, FOOTING DEPTH, BOTTOM REINFORCING, TOP REINFORCING AND PIER REINFORCING.
2. ALL PIER TIES HAVE 135° HOOKS AND ARE TO BE ROTATED AROUND PIER SO THAT HOOKED CORNERS OF ADJACENT TIES ARE NOT IN LINE VERTICALLY.
3. FOR TIE ARRANGEMENT AND SPACING OF TIES IN PIERS – SEE TYPICAL DETAIL 3.06.
4. UNDERSIDE OF STEEL BASEPLATE TO BE 200 BELOW TOP OF SLAB ON GRADE EXCEPT FOR COLUMNS ADJACENT TO RAIN WATER LEADERS WHICH SHALL BE 400 BELOW TOP OF SLAB ON GRADE. SEE COLUMN SCHEDULES FOR MORE INFORMATION ON UNDERSIDE OF BASEPLATE ELEVATION.
5. PROVIDE 1 'STARTER' TIE AROUND DOWELS FOR VERTICAL PIER REINFORCING IN CONCRETE PAD FOOTING AS SHOWN.
6. CLEAR COVER TO REINFORCING STEEL AT SIDE OF FOOTING TO BE 40 (AS SHOWN) BUT IS TO BE 75 IF SIDE OF FOOTING IS CAST AGAINST SOIL.
7. PIERS FOR CONCRETE COLUMNS TO MATCH COLUMN SIZE AND REINFORCING TO TOP OF CONCRETE PAD FOOTING. SEE TYPICAL DETAIL 3.23 AND/OR 3.24 FOR REINFORCING DETAILS AT CONCRETE COLUMN CONSTRUCTION JOINTS.

3.05 TYPICAL CONCRETE PAD FOOTING



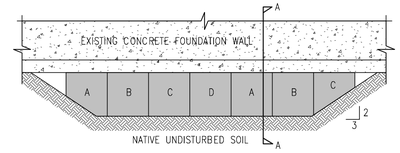
NOTES:

1. WHEN VERTICAL REINFORCING HAS CLEAR SPACING "B" > 150, PROVIDE TIE SHOWN DASHED — — — — — .
2. PROVIDE A FULL TIE AT EVERY OTHER VERTICAL BAR (MINIMUM).
3. FOR VERTICAL TIE SPACING AND SIZE, SEE TABLE.
4. CLEAR DISTANCE BETWEEN VERTICALS SHALL NOT BE LESS THAN:
   - 1.4 TIMES THE BAR DIAMETER
   - 1.4 TIMES THE MAXIMUM AGGREGATE SIZE
   - 32mm
5. ALTERNATE TIE ARRANGEMENTS ARE ACCEPTABLE, SUBJECT TO APPROVAL BY STRUCTURAL CONSULTANT.
6. TIE ARRANGEMENT FOR COLUMNS WITH > 16 VERTICALS IS SIMILAR.
7. TIE FOR CIRCULAR COLUMNS MAY BE LAPPED AND WELDED TO DEVELOP TENSILE CAPACITY OF THE BAR IN LIEU OF DETAIL SHOWN.
8. EXTRA REINFORCING FOR WELD PLATES SHOWN ON COLUMN WITH 4 VERTICALS IS TYPICAL FOR ALL COLUMNS. SEE TYPICAL DETAIL 3.40 FOR EXTRA REINF. FOR WELD PLATES IN CONCRETE WALLS.

VERTICAL TIE SPACING (mm)		
VERTICAL BAR SIZE	SPACING (fc'≤50MPa)	SPACING (fc'>50MPa)
15M	10@250	10@190
20M	10@300	10@225
25M	10@400	10@250
30M	10@460	10@275
35M	10@460	10@400
45M	10@460	10@400
55M	10@460	10@400

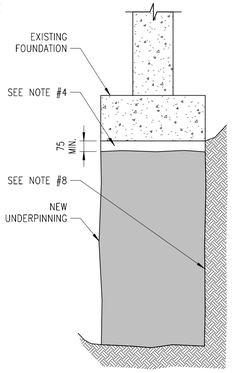
3.06 TIE ARRANGEMENT IN CONCRETE COLUMNS AND PIERS

TYPICAL UNDERPINNING OF EXISTING CONCRETE FOUNDATION



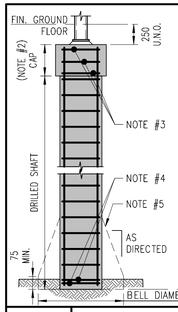
NOTES:

1. READ THIS TYPICAL DETAIL IN CONJUNCTION WITH THE FOUNDATION PLANS AND DETAILS.
2. SEQUENCE OF UNDERPINNING IS TO BE PLACED AS INDICATED BY THE ORDER SHOWN ON THE FOUNDATION PLAN. PLACE ALL 'A' BLOCKS FIRST, FOLLOWED BY 'B', 'C' AND THEN 'D' BLOCKS.
3. ONCE ALL 'A' BLOCKS HAVE REACHED 60% OF THEIR SPECIFIED 28 DAY STRENGTH (fc'), PLACE GROUT AS DESCRIBED IN NOTE #4, AND THEN CONSTRUCTION MAY BEGIN TO PLACE ALL 'B' BLOCKS. REPEAT UNTIL ALL UNDERPINNING BLOCKS HAVE BEEN PLACED.
4. INSTALL EACH UNDERPINNING BLOCK TO 75 BELOW THE EXISTING FOUNDATION, AND PLACE DRY PACK GROUT IN THE VOID PRIOR TO PLACING ADJACENT UNDERPINNING BLOCKS.
5. UNDERPINNING BLOCKS TO BE PLACED IN MAXIMUM 1200 WIDE SECTIONS ALONG THE EXISTING WALL. SEE PLAN FOR THE PLACING SEQUENCE OF UNDERPINNING BLOCKS.
6. UNDERPINNING BLOCKS TO BE POURED IN MAXIMUM 1500 LIFTS. IF HEIGHT OF UNDERPINNING EXCEEDS 1500, IT IS TO BE PLACED IN MULTIPLE LIFTS.
7. CONTRACTOR MUST ADEQUATELY SHORE EXISTING FOUNDATION WALL AND NEW UNDERPINNING BLOCKS UNTIL THE NEW STRUCTURE CAN SAFELY ACCEPT LATERAL LOADS. CONTRACTOR MUST SUBMIT SHORING DETAILS, STAMPED BY PROFESSIONAL ENGINEER RESPONSIBLE ITS DESIGN, PRIOR TO COMMENCING CONSTRUCTION.
8. REFER TO GEOTECHNICAL REPORT FOR PROPERTIES OF NATIVE SOIL. NON-COHESIVE SOIL MAY MAKE UNDERPINNING DIFFICULT OR IMPOSSIBLE.



SECTION A-A

3.07 TYPICAL UNDERPINNING DETAILS

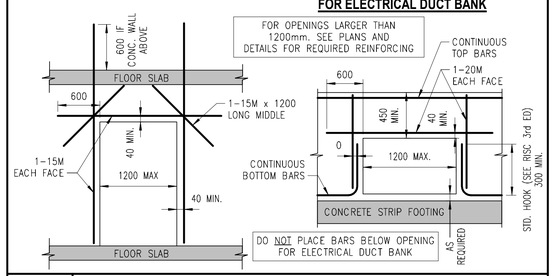


NOTES:

1. REFER TO FOUNDATION SCHEDULE FOR CAISSON DIAMETER AND VERTICAL REINFORCING. PROVIDE 10M TIES @ 300 c/c VERTICAL UNLESS NOTED OTHERWISE. SEE TYPICAL DETAIL 3.06 FOR DETAILS RELATING TO TIES IN CIRCULAR COLUMNS.
2. CAISSON CAP TO HAVE A MINIMUM DEPTH OF THE COMPRESSION DEVELOPMENT LENGTH OF THE VERTICAL REINFORCING UNLESS NOTED OTHERWISE. SEE FOUNDATION SCHEDULE FOR PLAN SIZE OF CAP. IF CAISSON SHAFT IS UNREINFORCED, PROVIDE 8–20M FROM THE TOP OF THE CAISSION INTO THE CAP ABOVE. PROJECT VERTICALS THE TENSION DEVELOPMENT LENGTH OF THE VERTICALS INTO THE TOP OF THE CAISSON SHAFT. PROVIDE 3–10M TIES IN THE TOP OF THE CAISSION IN ADDITION TO THOSE IN NOTE #3.
3. PROVIDE 10M TIES @ 300 IN CAP (3 SETS OF TIES MINIMUM).
4. PROVIDE 2–10M TIES @ 50 AT BOTTOM OF REINFORCING CAGE. VERTICAL REINFORCING TO EXTEND TO WITHIN 75 OF BOTTOM OF CAISSON (U.N.O.)
5. BELL BOTTOM OF CAISSON TO DIAMETER INDICATED IN FOUNDATION SCHEDULE.

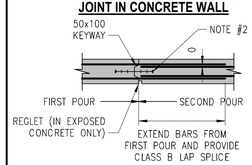
3.08 REINFORCING IN CONCRETE CAISSONS

1. OPENING IN CONCRETE WALL **2. OPENING IN FOUNDATION WALL FOR ELECTRICAL DUCT BANK**

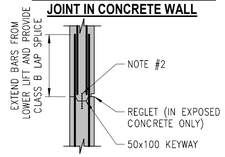


3.10 TYPICAL OPENING IN CONCRETE WALL

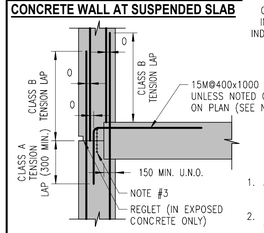
1. VERITCAL CONSTRUCTION JOINT IN CONCRETE WALL



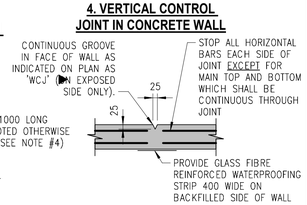
2. HORIZONTAL CONSTRUCTION JOINT IN CONCRETE WALL



3. HORIZONTAL CONSTRUCTION JOINT IN CONCRETE WALL AT SUSPENDED SLAB

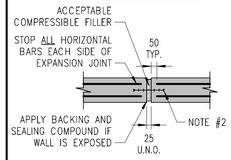


4. VERTICAL CONTROL JOINT IN CONCRETE WALL

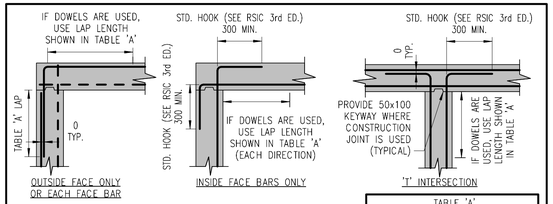


1. ALL REINFORCING HAS NOT BEEN REPRESENTED IN THESE DETAILS. (SEE PLAN FOR REQUIRED WALL REINFORCING)
2. PROVIDE GREENSTREAK 703 or DURAJOINT TYPE4B RIBBED WATERSTOP WITH CENTREBULB (OR APPROVED EQUIVALENT) TIED TO VERTICAL WALL STEEL @ 300 c/c MAX. PLACE WATERSTOP IN ALL WALLS WHERE THE WALL RETAINS SOIL.
3. PROVIDE GREENSTREAK 701 or DURAJOINT TYPE3 RIBBED WATERSTOP WITH CENTREBULB. IF INSUFFICENT SPACE TO PLACE CENTREBULB STYLE USE GREENSTREAK 776 or DURAJOINT TYPE66 FACE MOUNT STYLE). TIE WATERSTOP TO HORIZONTAL WALL STEEL @ 300 c/c MAX. PLACE WATERSTOP IN ALL WALLS WHERE THE WALL RETAINS SOIL. IF SLAB EXTENDS TO OUTSIDE FACE OF WALL PROVIDE GREENSTREAK 777 'SLABSPAN' OR TWO (2) DURAJOINT TYPE60 FACEMOUNT STYLE WATERSTOPS.
4. PLACE BAR VERTICALLY IN TOP OF WALL AND SITE BEND INTO TOP OF SUSPENDED SLAB – BARS ARE EXTRA TO SLAB REINFORCING SHOWN ON PLAN.
5. SEE TYPICAL DETAIL 3.12 FOR JOINT DETAILS IN WALLS OF MULTIPLE STOREY BASEMENTS.

5. VERTICAL EXPANSION JOINT IN CONCRETE WALL



3.11 TYPICAL JOINTS IN CONCRETE WALLS



NOTES

1. CONSTRUCTION JOINTS IN FOUNDATION WALLS REQUIRE WATERSTOPS WHERE SLAB ON GRADE IS LOWER THAN EXTERIOR GRADE. (SEE TYPICAL DETAIL 3.11)
2. PROVIDE 50mmx100mm KEYWAY AT ALL CONSTRUCTION JOINTS AS SHOWN.

TABLE 'A'	
BAR SIZE	MINIMUM LAP LENGTH
10M	400
15M	605
20M	910
25M	1225
30M	1375

3.09 TYPICAL HORIZONTAL CORNER REINFORCING DETAILS FOR WALLS

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4	09.05.2025	ISSUED FOR PERMIT	AV
3	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
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St. Mark CES Addition

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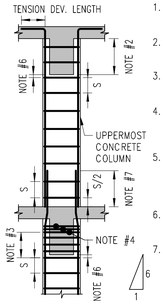
TYPICAL DETAILS

scale:	1 : 10
drawn by:	AV
reviewed by:	PR
job number:	25158
plot date:	2026-04-23 1:51:45 PM

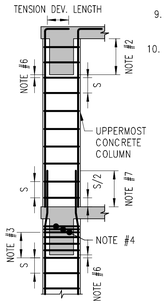
drawing number:

S5.2

1. INTERIOR COLUMN



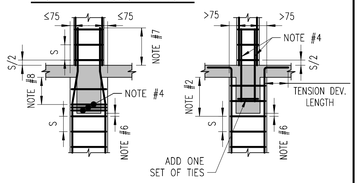
2. EXTERIOR COLUMN



NOTES:

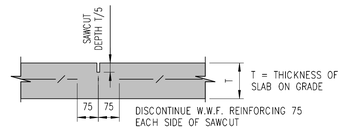
1. SEE TYPICAL DETAIL 3.06 FOR ARRANGEMENT OF TIES IN REINFORCED CONCRETE COLUMNS AND SPECIFIED TIE SPACING ('S').
2. PROVIDE ADDITIONAL TIES SPACED AT 'S' MAXIMUM BETWEEN THE TIE BELOW THE SHALLOWEST AND THE UNDERSIDE OF THE SLAB.
3. PROVIDE ADDITIONAL TIES SPACED AT 'S/2' MAXIMUM BETWEEN THE TIE BELOW SHALLOWEST BEAM AND TIES SPECIFIED IN NOTE #4.
4. PROVIDE 3 ADDITIONAL TIES SPACED AT 50 c/c STARTING 50 BELOW THE LOWER BEND IN THE VERTICAL BARS. (USE 4-15M TIES IF BARS ARE 45M OR LARGER)
5. ADDITIONAL TIES SPECIFIED IN NOTES #2, 3 AND 4 CAN BE ELIMINATED IF THERE ARE BEAMS ON ALL 4 SIDES OF THE BEAM/COLUMN JOINT, WITH BEAM WIDTHS LARGER THAN THE COLUMN WIDTH ON EACH SIDE. ADDITIONAL TIES SPECIFIED IN NOTES #2, 3 AND 4 MUST BE PLACED IN EXTERIOR COLUMNS.
6. CONTINUE SPECIFIED TIE SPACING ('S') TO 50 (MAX.) BELOW THE SHALLOWEST BEAM AT THE BEAM/COLUMN JOINT.
7. BEGIN THE BEND IN THE COLUMN VERTICAL REINFORCING 100 BELOW THE TOP OF THE SLAB ABOVE. THE SLOPE OF THE BEND IS TO BE 1H:6V. EXTEND THE BARS A COMPRESSION LAP SPLICE ABOVE THE TOP OF THE SLAB. THE AREA OF THE BARS PROJECTED FROM THE LOWER TO THE UPPER COLUMN IS NOT TO EXCEED THE AREA OF STEEL IN THE UPPER COLUMN.
8. PROVIDE ADDITIONAL TIES SPACED AT 'S' MAXIMUM BETWEEN TIES SPECIFIED IN NOTE #4 AND UNDERSIDE OF SLAB.
9. PROVIDE DOWELS TO MATCH VERTICALS IN SMALLER COLUMN ABOVE WITH LENGTH 2x(COMPRESSION DEV. LENGTH) CENTRED ON TOP OF SLAB.
10. BEAM REINFORCING NOT SHOWN FOR CLARITY.

3. SMALLER COLUMN ABOVE

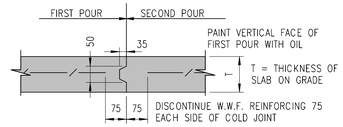


3.13 TIED CONCRETE COLUMNS SUPPORTING CONCRETE BEAMS

SAWCUT JOINT



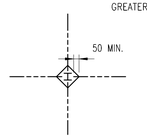
POURED JOINT



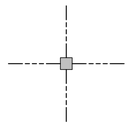
NOTES:

1. USE ONE OR THE OTHER DETAIL AS THE CONTROL JOINT WHERE INDICATED THUS "CJ" ON THE PLAN.
2. SAWCUTS MUST BE COMPLETED WITHIN 6 TO 18 HOURS OF PLACING CONCRETE.
3. AFTER SLAB HAS CURED FOR ONE MONTH, REMOVE ALL DEBRIS FROM SAWCUT JOINTS AND FILL WITH MORTAR CONTAINING CEMENT, SAND AND A LATEX BONDING AGENT, OR AS NOTED.
4. SAWCUT SLAB ON GRADE AROUND COLUMNS AS INDICATED BELOW. OTHER PATTERNS MAY BE ACCEPTABLE, BUT MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW.
5. SAWCUT JOINTS IN SLAB ON GRADE SHOULD NOT EXCEED THE FOLLOWING SPECIFIED SPACING:

SLAB THICKNESS (T)	MAXIMUM SPACING
100	30 x slab thickness
125 OR GREATER	35 x slab thickness or 6000 whichever is less



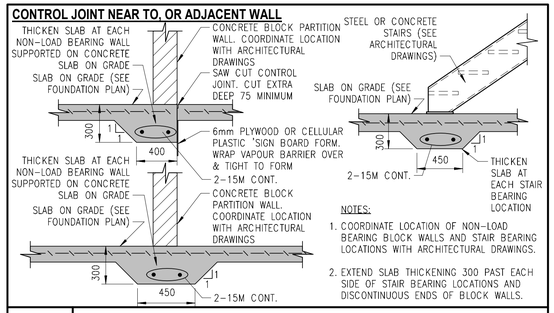
W-COLUMNS



HSS OR CONCRETE COLUMNS

3.15 TYPICAL FLOOR SLAB CONTROL JOINT DETAIL

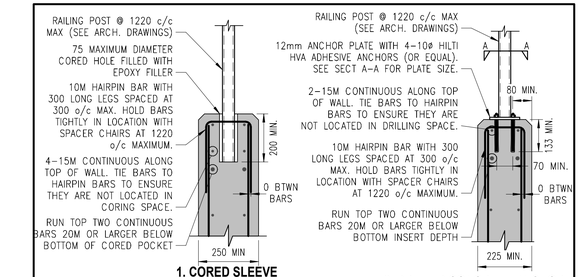
CONTROL JOINT NEAR TO, OR ADJACENT WALL



NOTES:

1. COORDINATE LOCATION OF NON-LOAD BEARING BLOCK WALLS AND STAIR BEARING LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. EXTEND SLAB THICKENING 300 PAST EACH SIDE OF STAIR BEARING LOCATIONS AND DISCONTINUOUS ENDS OF BLOCK WALLS.

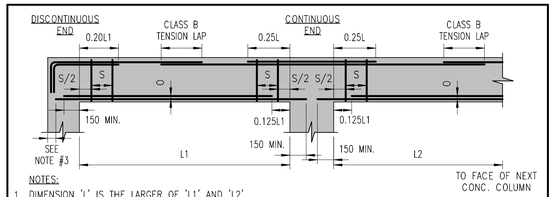
3.16a TYPICAL SLAB ON GRADE THICKENINGS



NOTES:

1. USE RAIL ANCHORAGE TYPE 3 WITH STEEL SLEEVE UNLESS NOTED OTHERWISE ON DRAWINGS OR WHEN WALL THICKNESS IS LESS THAN MINIMUM SIZES INDICATED ON DETAILS 1 AND 2.
2. RAILING STRUCTURE TO BE DESIGNED BY MISCELLANEOUS METALS CONTRACTOR TO RESIST LOADING PERSCRIBED BY GOVERNING BUILDING CODE. SUBMIT DETAILED SHOP DRAWINGS STAMPED BY PROFESSIONAL ENGINEER RESPONSIBLE FOR RAILING DESIGN TO STRUCTURAL CONSULTANT FOR REVIEW PRIOR TO FABRICATION.
3. IF MINIMUM DIMENSIONS SHOWN IN THESE DETAILS CANNOT BE MAINTAINED, NOTIFY STRUCTURAL CONSULTANT FOR REVISED RAILING POST ANCHORAGE DETAILS.
4. MINIMUM CONCRETE STRENGTH OF SLAB/WALL fc'=25MPa.
5. DO NOT DAMAGE REINFORCING STEEL WHEN DRILLING FOR CONCRETE ANCHORS. IF REINFORCING STEEL IS ENCOUNTERED, RAILING POST MUST BE RELOCATED.
6. IF RAILING IS EXTERIOR, USE HOT DIPPED GALVANIZED SLEEVES AND PLATES, AND STAINLESS STEEL CONCRETE ANCHORS.

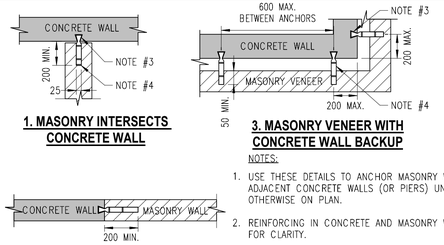
3.17 RAILING POST BASE ANCHORAGE DETAILS TO CONCRETE WALLS



NOTES:

1. DIMENSION 'L' IS THE LARGER OF 'L1' AND 'L2'
2. 'S' IS THE STIRRUP SPACING (SEE CONCRETE BEAM SCHEDULE) - REMAINDER OF STIRRUPS NOT SHOWN.
3. THE LEFT AND RIGHT END OF THE BEAM IS DETERMINED BY THE ORIENTATION OF THE BEAM MARK ON PLAN.
4. USE THE BAR CUTTING LENGTHS SHOWN ABOVE UNLESS NOTED OTHERWISE ON THE CONCRETE BEAM SCHEDULE.
5. EXTEND 50% OF BOTTOM BARS TO 300 FROM EXTERIOR COLUMN FACE.
6. UNLESS NOTED OTHERWISE IN BEAM SCHEDULE, CUT SHORT NOT MORE THAN 50% OF BARS BUT PROVIDE 2 BARS CONTINUOUS (MINIMUM).

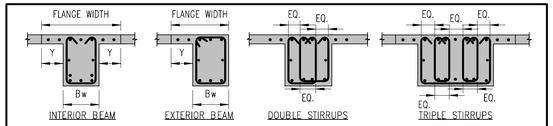
3.19 REINFORCING IN CONTINUOUS CONCRETE BEAMS



NOTES:

1. USE THESE DETAILS TO ANCHOR MASONRY WALLS TO ADJACENT CONCRETE WALLS (OR PIERS) UNLESS NOTED OTHERWISE ON PLAN.
2. REINFORCING IN CONCRETE AND MASONRY WALLS NOT SHOWN FOR CLARITY.
3. 26 GA. GALVANIZED DOVETAILED ANCHOR SLOT CONTINUOUS.
4. 16 GA. DOVETAIL MASONRY ANCHORS AT 400 o/c MAXIMUM VERTICAL SPACING. HOT-DIP GALV. FOR EXTERIOR WALLS.

3.29 TYPICAL MASONRY WALL ANCHORAGE TO CONCRETE

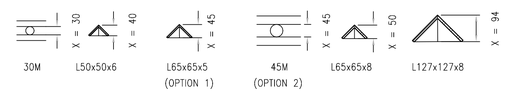


NOTES:

1. FLANGE WIDTH = Bw+2Y (OR Bw+Y FOR EXTERIOR BEAMS) WHERE Y IS LESSER OF:
   - 6t
   - 1/20 BEAM SPAN
   - 1/2 DISTANCE TO ADJACENT BEAM FACE

   PLACE TOP BARS INDICATED IN CONCRETE BEAM SCHEDULE IN FLANGE WIDTH. BEAM TOP BARS ARE IN ADDITION TO TOP STEEL INDICATED FOR SLABS.
2. FOR LONGITUDINAL BARS PLACED IN MULTIPLE LIFTS AS SPECIFIED IN THE CONCRETE BEAM SCHEDULE, PROVIDE CLEAR SPACING BETWEEN LIFTS OF BARS (X) AS INDICATED IN ADJACENT CHART.
3. FOR MULTIPLE SETS OF STIRRUPS AS INDICATED IN THE BEAM SCHEDULE, PLACE VERTICAL LEGS EQUALLY SPACED ACROSS THE BEAM AS SHOWN ABOVE. STIRRUP TYPE MAY DIFFER FROM TYPE SHOWN IN THIS DETAIL - SEE BEAM SCHEDULE.
4. TO MAINTAIN 'X' CLEAR SPACING BETWEEN BARS, REINFORCING STEEL SUPPLIER TO PROVIDE SPACE ANGLES OR BARS AS NOTED BELOW TO MAINTAIN BARS LAYERS IN BEAM. SPACE ANGLES OR BARS TO BE 80mm SHORTER THAN BEAM WIDTH.
   - FOR (X) DIMENSION OF 30mm USE 30M BARS
   - FOR (X) DIMENSION OF 40mm USE L50x50x6 SPACED AT 1800 o/c MAX.
   - FOR (X) DIMENSION OF 45mm USE L65x65x5 OR 45M BAR SPACED AT 1900 o/c MAX.
   - FOR (X) DIMENSION OF 50mm USE L65x65x8 SPACED AT 1900 o/c MAX.
   - FOR (X) DIMENSION OF 94mm USE L127x127x8 SPACED AT 2000 o/c MAX.

BAR SIZE	CLEAR SPACING (X)
15M	30
20M	30
25M	40
30M	45
35M	50
45M	94



ALTERNATE METHODS MAY BE USED AFTER APPROVED BY VB&S. SPACING IS TO BE MAINTAINED UNDER ALL CIRCUMSTANCES. SUBMIT ALTERNATIVES TO VB&S FOR REVIEW PRIOR TO STEEL DELIVERY ON SITE.

3.20 TYPICAL BAR PLACEMENT IN CONCRETE BEAMS

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4	09.05.2025	ISSUED FOR PERMIT	AV
3	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
2	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
1	07.11.2025	ISSUED FOR 70% CLIENT REVIEW	PR

St. Mark CES Addition

240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

TYPICAL DETAILS

scale:	1 : 10
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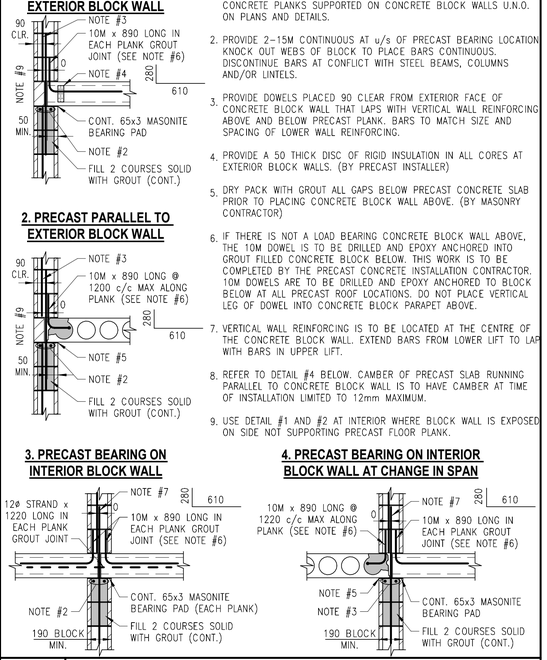
reviewed by:	PR
job number:	25158
plot date:	2026-04-23 1:51:46 PM

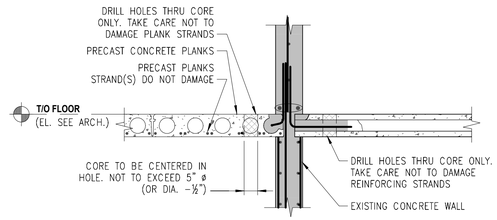
drawing number:

S5.3

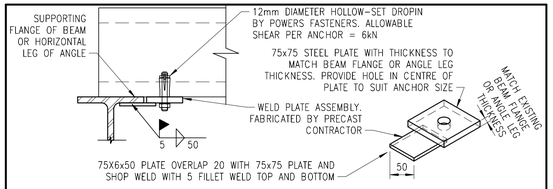


1. TYPICAL DETAILS SHOWN HERE GOVERN FOR HOLLOW CORE RECAST CONCRETE PLANKS SUPPORTED ON CONCRETE BLOCK WALLS U.N.O. ON PLANS AND DETAILS.
2. PROVIDE 2-15M CONTINUOUS AT u/s OF PRECAST BEARING LOCATION KNOCK OUT WEBS OF BLOCK TO PLACE BARS CONTINUOUS. DISCONTINUE BARS AT CONFLICT WITH STEEL BEAMS, COLUMNS AND/OR LINTELS.
3. PROVIDE DOWELS PLACED 90 CLEAR FROM EXTERIOR FACE OF CONCRETE BLOCK WALL THAT LAPS WITH VERTICAL WALL REINFORCING ABOVE AND BELOW PRECAST PLANK. BARS TO MATCH SIZE AND SPACING OF LOWER WALL REINFORCING.
4. PROVIDE A 50 THICK DISC OF RIGID INSULATION IN ALL CORES AT EXTERIOR BLOCK WALLS. (BY PRECAST INSTALLER)
5. DRY PACK WITH GROUT ALL GAPS BELOW PRECAST CONCRETE SLAB PRIOR TO PLACING CONCRETE BLOCK WALL ABOVE. (BY MASONRY CONTRACTOR)
6. IF THERE IS NOT A LOAD BEARING CONCRETE BLOCK WALL ABOVE, THE 10M DOWEL IS TO BE DRILLED AND EPOXY ANCHORED INTO GROUT FILLED CONCRETE BLOCK BELOW. THIS WORK IS TO BE COMPLETED BY THE PRECAST CONCRETE INSTALLATION CONTRACTOR. 10M DOWELS ARE TO BE DRILLED AND EPOXY ANCHORED TO BLOCK BELOW AT ALL PRECAST ROOF LOCATIONS. DO NOT PLACE VERTICAL LEG OF DOWEL INTO CONCRETE BLOCK PARAPET ABOVE.
7. VERTICAL WALL REINFORCING IS TO BE LOCATED AT THE CENTRE OF THE CONCRETE BLOCK WALL. EXTEND BARS FROM LOWER LIFT TO LAP WITH BARS IN UPPER LIFT.
8. REFER TO DETAIL #4 BELOW. CAMBER OF PRECAST SLAB RUNNING PARALLEL TO CONCRETE BLOCK WALL IS TO HAVE CAMBER AT TIME OF INSTALLATION LIMITED TO 12mm MAXIMUM.
9. USE DETAIL #1 AND #2 AT INTERIOR WHERE BLOCK WALL IS EXPOSED ON SIDE NOT SUPPORTING PRECAST FLOOR PLANK.

3.31 HOLLOW CORE PRECAST FLOOR PLANKS SUPPORTED ON CONCRETE BLOCK WALLS OR CAST-IN-PLACE CONCRETE (CONCRETE BLOCK WALLS SHOWN, CAST-IN-PLACE CONCRETE SIMILAR)

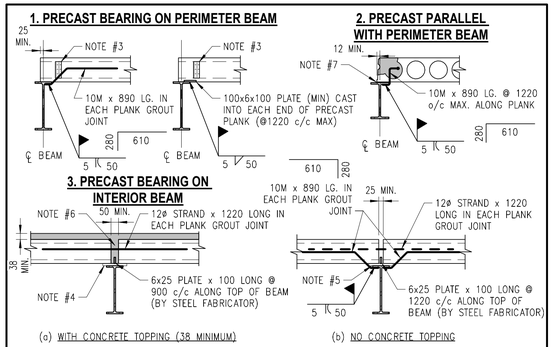


3.31b HOLLOW CORE PRECAST FLOOR PLANK TYPICAL CORE LOCATION AND SIZE

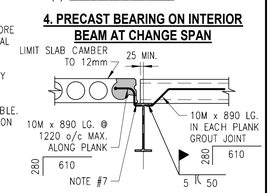


1. ALSO REFER TO TYPICAL DETAIL 3.32. THIS DETAIL IS PROVIDED AS AN ALTERNATE TO PROVIDING CAST IN STEEL PLATES. THIS ALTERNATE IS MEANT TO BE USED IN CONJUNCTION WITH 10M REBARS WELDED TO UNDERSIDE OF BEAM FLANGE OR ANGLE LEG. (IE 10M BARS ARE TO PLACED AT JOINTS BETWEEN PRECAST PLANKS AT 1200 O.C. IN ADDITION TO ABOVE DETAILED PLATE ASSEMBLIES TO TRANSFER HORIZONTAL DECK SHEARS.) SUPPLY AND INSTALLATION OF THESE SHEAR PLATES COMPLETE WITH WELDING IS BY THE PRECAST PLANK SUPPLIER AND ERECTOR.
2. REFER TO PLANS FOR SHEAR LOADS TO BE TRANSFERED FROM PRECAST PLANK TO STRUCTURAL STEEL SHAPE. TO DETERMINE NUMBER OF PLATES REQUIRED DIVIDIE THE TOTAL SHEAR LOAD TO BE TRANSFERED TO LATERAL RESISTING ELEMENT BY 6 kN AND ROUND UP BY ONE PLATE. DISTRIBUTE PLATES EQUALLY ALONG LENGTH OF STRUCTURAL STEEL MEMBER.

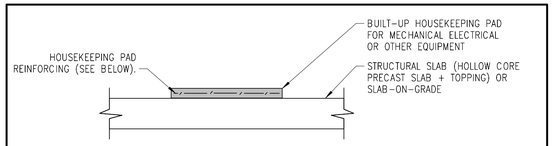
3.32b ALTERNATE SHEAR PLATE CONNECTION BETWEEN HOLLOW CORE PRECAST PLANKS AND STRUCTURAL STEEL SUPPORTS



1. TYPICAL DETAILS SHOWN HERE GOVERN FOR HOLLOW CORE PRECAST CONCRETE PLANKS SUPPORTED ON STRUCTURAL STEEL BEAMS U.N.O. ON PLANS AND DETAILS.
2. REFER TO DETAIL #1 ABOVE AND TYP DETAIL 3.32b. ANY CONNECTION DETAIL SHOWN (WELDED REBAR IN GROUT JOINT, WELD PLATE CAST INTO u/s OF PLANK OR POST INSTALLED PLATE WITH 10M WELDED BARS) IS ACCEPTABLE. PRECAST DESIGN ENGINEER TO ENSURE THAT CONNECTION DETAIL USED IS ABLE TO SAFELY TRANSMIT DIAPHRAGM LOADS GIVEN ON EACH FRAMING PLAN.
3. PROVIDE A 50 THICK DISC OF RIGID INSULATION IN CORES AT EXTERIOR WALLS. (BY PRECAST INSTALLER)
4. IF BEAM FLANGE WIDTH IS 190 OR LESS, PROVIDE 205 WIDE x 6 THICK CONTINUOUS PLATE WELDED TO TOP FLANGE OF STEEL BEAM TO PROVIDE ADEQUATE BEARING SUPPORT FOR PRECAST PLANKS.
5. IF BEAM FLANGE WIDTH IS 165 OR LESS, PROVIDE 180 WIDE x 6 THICK CONTINUOUS PLATE WELDED TO TOP FLANGE OF STEEL BEAM TO PROVIDE ADEQUATE BEARING SUPPORT FOR PRECAST PLANKS.
6. CONCRETE FINISHER TO ENSURE THAT CONCRETE COMPLETELY FILLS GAP BETWEEN ENDS OF PRECAST FLOOR PLANKS WHEN PLACING CONCRETE TOPPING.
7. DRY PACK WITH GROUT ALL GAPS BELOW PRECAST CONCRETE SLAB. (BY GENERAL CONTRACTOR)
8. ALL FIELD WELDS SHOWN ABOVE TO BE COMPLETED BY PRECAST PLANK ERECTION CONTRACTOR.



3.32 HOLLOW CORE PRECAST FLOOR PLANKS SUPPORTED ON STEEL BEAMS



NOTES:
1. CONSULT WITH MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF ALL REQUIRED HOUSEKEEPING PADS.
2. PROVIDE REINFORCEMENT IN HOUSEKEEPING PADS AS FOLLOWS:

PAD THICKNESS "t" (mm)	REINFORCEMENT
100	152x152 MW18.7xMW18.7 WWF ONE LAYER
150	10M @ 300 MIDDLE EACH WAY

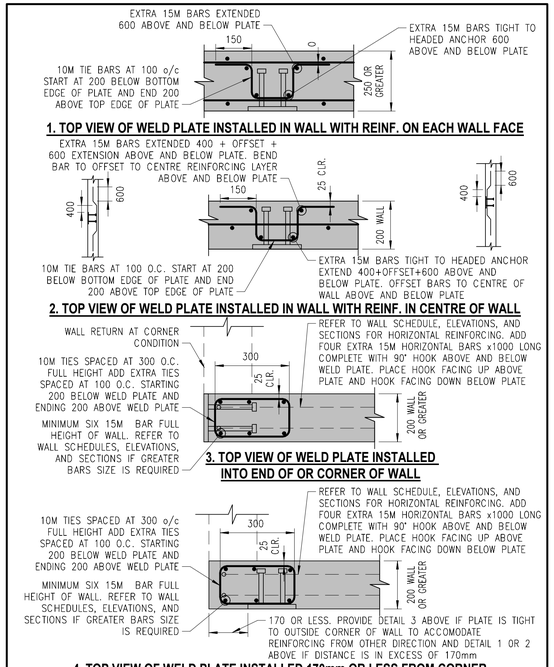
3.33 EQUIPMENT HOUSEKEEPING PADS

NOTES:
1. REFER TO PLANS AND SCHEDULES FOR REINFORCING STEEL REQUIREMENTS.

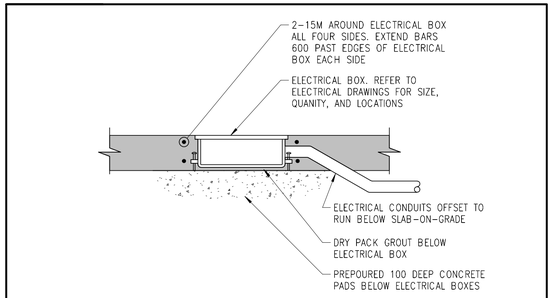
TABLE 'A'

BAR SIZE	MINIMUM LAP LENGTH
10M	400
15M	605
20M	910
25M	1225
30M	1375

3.39 TYPICAL LAP DETAIL FOR CONTINUOUS TOP REBAR AT PIER AND DOOR DEPRESSIONS IN WALLS



3.40 ADDITIONAL REINFORCING AT STEEL WELD PLATES WITH HEADED ANCHORS IN REINFORCED CONCRETE WALLS



3.35 ELECTRICAL FLOOR BOXES IN SLAB-ON-GRADE

architects
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hello@garchitects.ca | (519) 473-6641
www.garchitects.ca

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MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road
Waterloo, ON N2V 1Y8
(519) 725-3555
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VB&S STRUCTURAL ENGINEERS
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368 Oxford Street East
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(519) 667-3322
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St. Mark CES Addition

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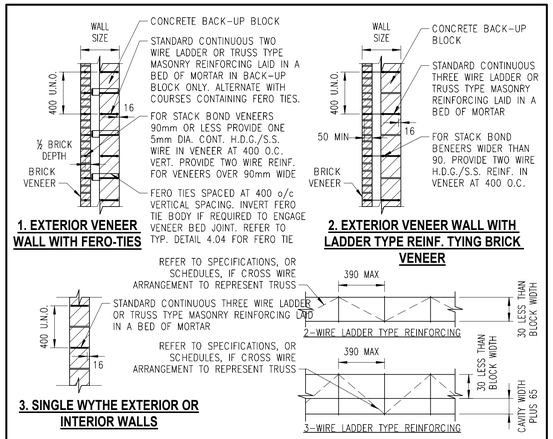
Kitchener, ON N2N 1K8

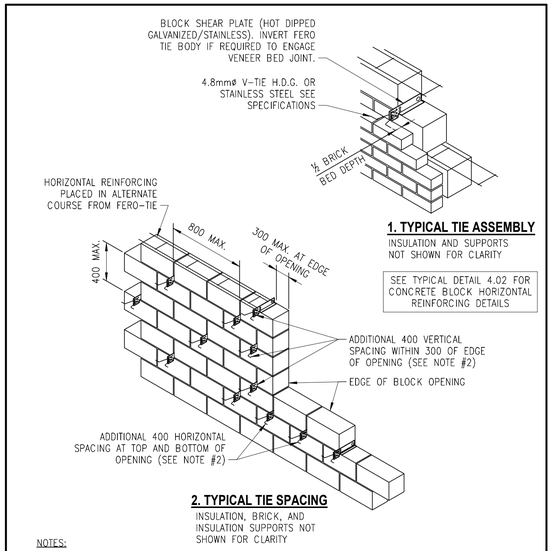
TYPICAL DETAILS

scale:	1 : 10
drawn by:	AV
reviewed by:	PR
job number:	25158
plot date:	2026-04-23 1:51:47 PM
drawing number:	S5.4



1. AT MULTI WYTHE WALLS WITH MASONRY VENEER USE DETAIL 1 ABOVE UNLESS SPECIFICALLY NOTED OTHERWISE.
2. DETAIL #2 TO BE USED ONLY IF VENEER WYTHE COURSES WITH BACK-UP BLOCK. SUBMIT DETAILED BRICK/BLOCK COURSING SHOP DRAWINGS FOR REVIEW BEFORE STARTING BLOCK WALL CONSTRUCTION.
3. ALL HORIZONTAL REINFORCING TO HAVE MINIMUM CORROSION PROTECTION CONSISTING OF HOT DIPPED GALVANIZING AFTER FABRICATION TO A.S.T.M. A-153-B2 STANDARD. REFER TO SPECIFICATIONS IF STAINLESS STEEL REQUIRED.
4. UNLESS NOTED OTHERWISE MASONRY REINFORCING SHALL BE 9 GAUGE 2-WIRE CONTINUOUS LADDER TYPE. (REFER TO LOAD BRG WALL SCHEDULE AND TYPICAL DETAILS FOR MINIMUM WIRE SIZES AND IF TRUSS TYPE WIRE REINFORCING IS REQUIRED IN SEISMIC ZONES.)
5. THE OVERALL WIDTH OF THE MASONRY REINFORCING SHALL BE APPROX. 65 LESS THAN THE THICKNESS OF THE WALL. THE CROSS WIRES SHOULD NOT HAVE A DIP.
6. LAP THE REINFORCING 200 AT SPLICES (300 FOR PLAIN WIRE).
7. USE PREFABRICATED CORNERS AND TEES IN ALL MASONRY WALL CORNERS AND INTERSECTIONS.
8. PROVIDE EXTRA LAYERS OF MASONRY REINF. IN FIRST COURSE ABOVE AND BELOW ALL BLOCK OPENINGS.

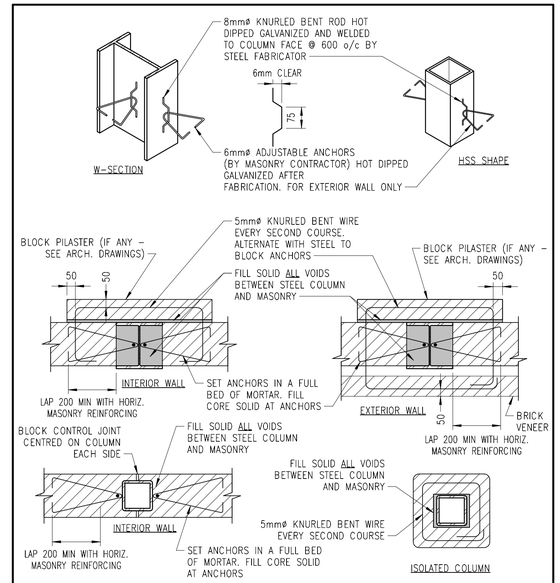
4.02 TYPICAL CONTINUOUS HORIZONTAL REINFORCING IN ALL MASONRY WALLS



NOTES:

1. BRICK CONNECTORS SHALL BE 'FERO' BLOCK SHEAR CONNECTOR.
2. CONNECTORS AND 'V' TIES ARE TO BE EITHER HOT DIPPED GALVANIZED OR STAINLESS STEEL, SEE SPECIFICATIONS. USE STAINLESS STEEL CONNECTORS & V-TIES FOR VENEER LOACATED GREATER THAN 13m ABOVE GRADE
3. SPACE TIES 400 o/c VERTICAL & 800 o/c HORIZONTAL. STAGGER CONNECTORS HORIZONTALLY. ALSO SPACE EXTRA TIES AT 400 o/c VERTICAL AND HORIZONTAL SPACING BESIDE, ABOVE AND BELOW ALL OPENINGS IN BLOCK WALLS.
4. SEE TYPICAL DETAIL 4.02 FOR EXTRA VENEER REINF. FOR STACK BOND VENEERS.

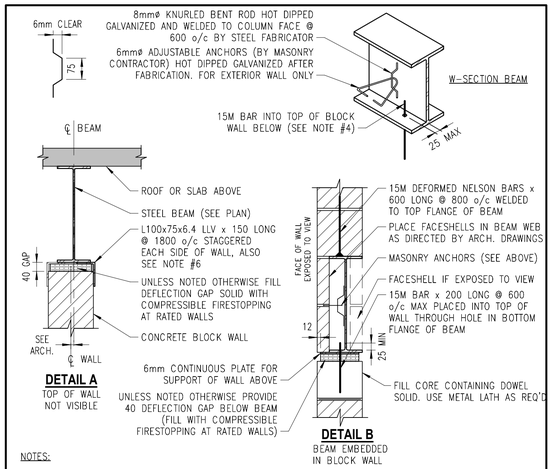
4.04 FERO BRICK TIE DETAILS



NOTES:

1. STEEL FABRICATOR TO COORDINATE LOCATION OF MASONRY ANCHORS WITH BLOCK COURSING ON ARCH. DWGS.
2. BLOCK PILASTERS MAY BE REQUIRED TO FIRE RATE THE STEEL COLUMN – REFER TO ARCH. DRAWINGS FOR COLUMN PLAN DETAILS.
3. SEE PLANS FOR COLUMN SIZES. SEE ARCH. DRAWINGS FOR WALL LOCATION RELATIVE TO COLUMN.

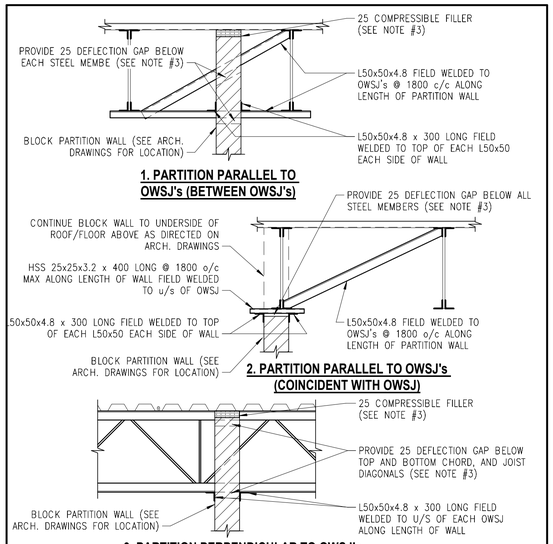
4.05 MASONRY ANCHORAGE TO STEEL COLUMNS



NOTES:

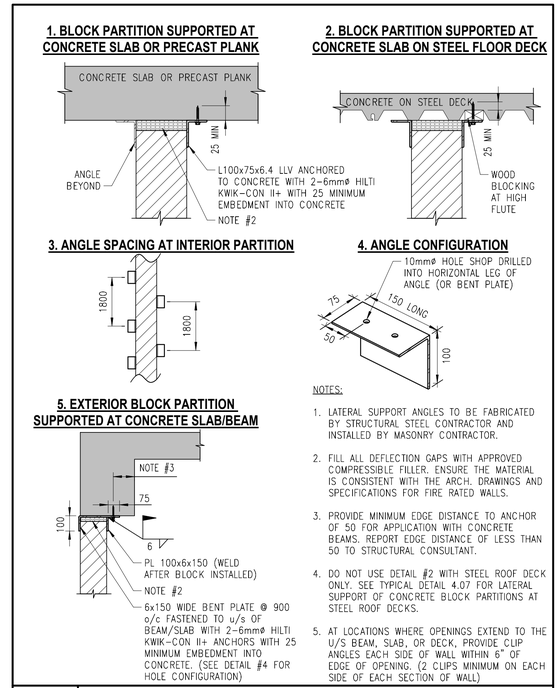
1. STEEL FABRICATOR TO REFER TO ARCH. DRAWINGS TO DETERMINE POSITION OF CONCRETE BLOCK WALL IN RELATION TO BEAM CENTRELINE FOR PLACEMENT OF LATERAL SUPPORT ANGLES ON BOTTOM FLANGE. (SEE DETAIL 'A' ABOVE)
2. REFER TO DETAIL 'A' ABOVE – STEEL BEAMS WHICH SUPPORT TOP OF BLOCK WALLS AT THE EXTERIOR OF THE BUILDING REQUIRE THE BOTTOM FLANGE TO BE LATERALLY SUPPORTED TO THE STRUCTURE ABOVE – SEE PLAN FOR DETAILS.
3. MASONRY CONTRACTOR TO FILL SOLID ALL CORES CONTAINING VERTICAL REINFORCING BARS.
4. STEEL FABRICATOR TO PROVIDE SHOP DRILLED HOLES IN BOTTOM FLANGE OF BEAM FOR PLACEMENT OF BARS AS SHOWN IN DETAIL 'B' ABOVE.
5. REFER TO DETAIL 'B' ABOVE – SEE ARCHITECTS DRAWINGS FOR TREATMENT OF DEFLECTION GAP ON FACE OF WALL EXPOSED TO VIEW.
6. AT LOCATIONS WHERE OPENINGS EXTEND TO THE U/S STEEL BEAM, PROVIDE CLIP ANGLES EACH SIDE OF WALL WITHIN 6" OF EDGE OF OPENING (2 CLIPS MINIMUM ON EACH SIDE OF EACH SECTION OF WALL).

4.06 MASONRY ANCHORAGE TO STEEL BEAMS



1. MAXIMUM DISTANCE FROM END OF ANY WALL TO FIRST LATERAL SUPPORT IS 900.
2. MAXIMUM DISTANCE FROM RETURN WALL TO FIRST LATERAL SUPPORT IS 1800 IF RETURN WALL IS LONGER THAN 900 (OTHERWISE SEE NOTE #1).
3. FILL ALL DEFLECTION GAPS WITH APPROVED COMPRESSIBLE FILLER. ENSURE THE MATERIAL IS CONSISTENT WITH THE ARCH. DRAWINGS AND SPECIFICATIONS FOR FIRE RATED WALLS.
4. DETAILS SHOWN ABOVE CAN BE USED WITH STEEL ROOF BEAMS IN PLACE OF OWSJ'S AT ROOF LEVEL. (OTHERWISE SEE TYPICAL DETAIL 4.08 FOR ACHORAGE OF PARTITIONS TO u/s OF CONCRETE)

4.07 MASONRY PARTITION SUPPORT AT OWSJ



NOTES:

1. LATERAL SUPPORT ANGLES TO BE FABRICATED BY STRUCTURAL STEEL CONTRACTOR AND INSTALLED BY MASONRY CONTRACTOR.
2. FILL ALL DEFLECTION GAPS WITH APPROVED COMPRESSIBLE FILLER. ENSURE THE MATERIAL IS CONSISTENT WITH THE ARCH. DRAWINGS AND SPECIFICATIONS FOR FIRE RATED WALLS.
3. PROVIDE MINIMUM EDGE DISTANCE TO ANCHOR OF 50 FOR APPLICATION WITH CONCRETE BEAMS. REPORT EDGE DISTANCE OF LESS THAN 50 TO STRUCTURAL CONSULTANT.
4. DO NOT USE DETAIL #2 WITH STEEL ROOF DECK ONLY. SEE TYPICAL DETAIL 4.07 FOR LATERAL SUPPORT OF CONCRETE BLOCK PARTITIONS AT STEEL ROOF DECKS.
5. AT LOCATIONS WHERE OPENINGS EXTEND TO THE U/S BEAM, SLAB, OR DECK, PROVIDE CLIP ANGLES EACH SIDE OF WALL WITHIN 6" OF EDGE OF OPENING. (2 CLIPS MINIMUM ON EACH SIDE OF EACH SECTION OF WALL)

4.08 LATERAL SUPPORT OF CONCRETE BLOCK PARTITION AT CONCRETE SLAB/DECK

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4	09.05.2025	ISSUED FOR PERMIT	AV
3	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
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TYPICAL DETAILS

scale:	1 : 10
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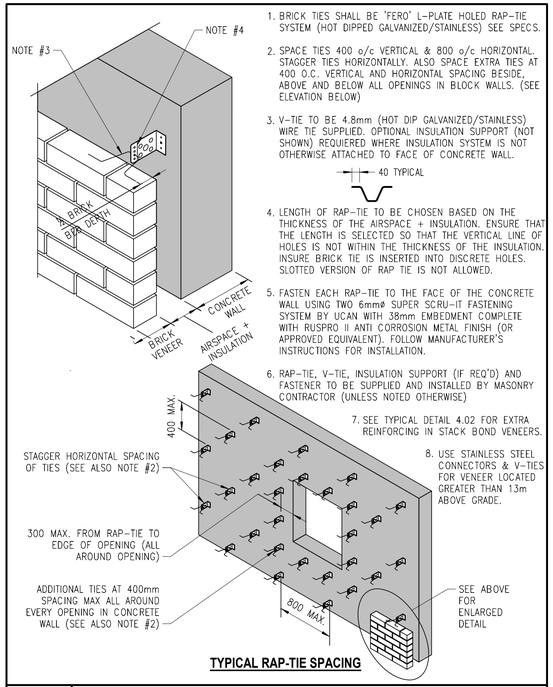
reviewed by:	PR
job number:	25158
plot date:	2026-04-23 1:51:47 PM

drawing number:

S5.5



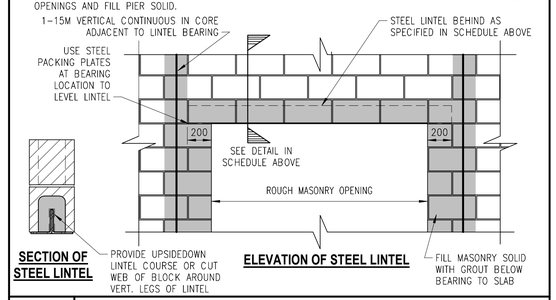
1. BRICK TIES SHALL BE 'FERO' L-PLATE HOLED RAP-TIE SYSTEM (HOT DIPPED GALVANIZED/STAINLESS) SEE SPECS.
2. SPACE TIES 400 o/c VERTICAL & 800 o/c HORIZONTAL. STAGGER TIES HORIZONTALLY. ALSO SPACE EXTRA TIES AT 400 O.C. VERTICAL AND HORIZONTAL SPACING BESIDE, ABOVE AND BELOW ALL OPENINGS IN BLOCK WALLS. (SEE ELEVATION BELOW)
3. V-TIE TO BE 4.8mm (HOT DIP GALVANIZED/STAINLESS) WIRE TIE SUPPLIED. OPTIONAL INSULATION SUPPORT (NOT SHOWN) REQUIERED WHERE INSULATION SYSTEM IS NOT OTHERWISE ATTACHED TO FACE OF CONCRETE WALL.
4. LENGTH OF RAP-TIE TO BE CHOSEN BASED ON THE THICKNESS OF THE AIRSPACE + INSULATION. ENSURE THAT THE LENGTH IS SELECTED SO THAT THE VERTICAL LINE OF HOLES IS NOT WITHIN THE THICKNESS OF THE INSULATION. INSURE BRICK TIE IS INSERTED INTO DISCRETE HOLES. SLOTTED VERSION OF RAP TIE IS NOT ALLOWED.
5. FASTEN EACH RAP-TIE TO THE FACE OF THE CONCRETE WALL USING TWO 6mmø SUPER SCRU-IT FASTENING SYSTEM BY UCAN WITH 38mm EMBEDMENT COMPLETE WITH RUSPRO II ANTI CORROSION METAL FINISH (OR APPROVED EQUIVALENT). FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.
6. RAP-TIE, V-TIE, INSULATION SUPPORT (IF REQ'D) AND FASTENER TO BE SUPPLIED AND INSTALLED BY MASONRY CONTRACTOR (UNLESS NOTED OTHERWISE)
7. SEE TYPICAL DETAIL 4.02 FOR EXTRA REINFORCING IN STACK BOND VENEERS.
8. USE STAINLESS STEEL CONNECTORS & V-TIES FOR VENEER LOCATED GREATER THAN 13m ABOVE GRADE.

TYPICAL RAP-TIE SPACING

4.09 FERO RAP TIE STYLE MASONRY VENEER ANCHORS AT CONCRETE WALLS

WALL THICKNESS	CLEAR SPAN OF ROUGH MASONRY OPENING				DETAIL
	UP TO 1220	1221 to 1800	1801 to 2360	2361 to 3050	
90 BLOCK 90 VENEER	L90x90x6	L100x90x8	L125x90x8	L125x90x10	LLV
140 BLOCK	2-L65x65x6	2-L90x65x6	2-L90x65x8	2-L90x65x10	65 LEGS HORIZ.
190 BLOCK	2-L90x75x6	2-L90x90x6	2-L100x90x8	2-L125x90x10	90 LEGS HORIZ.
240 BLOCK	L100x75x6 + L125x75x6	L100x100x6 + L125x75x6	L100x100x8 + L125x90x8	L150x100x8 + L125x125x8	100 AND 125 LEGS HORIZ.
290 BLOCK	3-L90x75x6	3-L90x90x6	3-L100x90x8	3-L125x90x10	90 LEGS HORIZ.

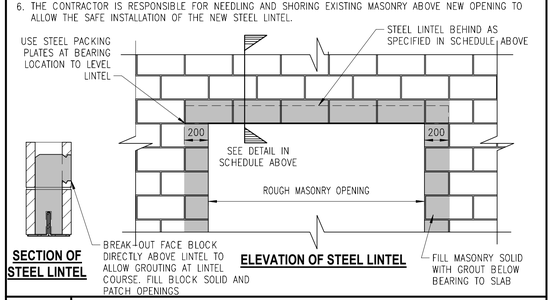
1. IT IS THE RESPONSIBILITY OF THE STRUCTURAL STEEL CONTRACTOR TO READ THIS SCHEDULE IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS TO DETEMINE SIZE AND LOCATION OF LINTELS IN NON-LOAD BEARING WALLS. OPENINGS IN NON-LOAD BEARING WALLS ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
2. WELD BACK TO BACK ANGLES AT 400 c/c ON TOP AND BOTTOM OF LINTEL. FIRST WELD TO BE 75 FROM ENDS OF ANGLES.
3. ALL EXTERIOR LINTELS SUPPORTING BRICK VENEER TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
4. CONNECT ALL LINTELS TO COLUMNS WHEN THERE IS LESS THAN 300 BETWEEN EDGE OF ROUGH OPENING AND STEEL COLUMN FACE.
5. FILL BLOCKS AROUND STEEL LINTELS IN CONCRETE BLOCK WALLS SOLID WITH GROUT.
6. WHEN 600 OR LESS TO NEXT ROUGH OPENING, PLACE 2-15M VERTICAL IN CENTRE CORE OF PIER BETWEEN OPENINGS AND FILL PIER SOLID.



5.01 STRUCTURAL STEEL LINTELS FOR NON-LOAD BEARING CONCRETE BLOCK WALLS AND BRICK VENEER

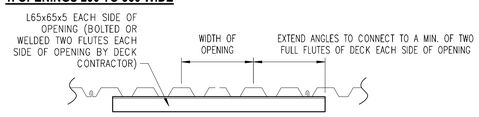
WALL THICKNESS	CLEAR SPAN OF ROUGH MASONRY OPENING				DETAIL
	UP TO 1220	1221 to 1800	1801 to 2360	2361 to 3050	
90 BLOCK 90 VENEER	L90x90x6	L100x90x8	L125x90x8	L125x90x10	LLV
140 BLOCK	2-L65x65x6	2-L90x65x6	2-L90x65x8	2-L90x65x10	65 LEGS HORIZ.
190 BLOCK	2-L90x75x6	2-L90x90x6	2-L100x90x8	2-L125x90x10	90 LEGS HORIZ.
240 BLOCK	L100x75x6 + L125x75x6	L100x100x6 + L125x75x6	L100x100x8 + L125x90x8	L150x100x8 + L125x125x8	100 AND 125 LEGS HORIZ.
290 BLOCK	3-L90x75x6	3-L90x90x6	3-L100x90x8	3-L125x90x10	90 LEGS HORIZ.

1. IT IS THE RESPONSIBILITY OF THE STRUCTURAL STEEL CONTRACTOR TO READ THIS SCHEDULE IN CONJUNCTION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS TO DETEMINE SIZE AND LOCATION OF LINTELS IN NON-LOAD BEARING WALLS. OPENINGS IN NON-LOAD BEARING WALLS ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
2. WELD BACK TO BACK ANGLES AT 400 c/c ON TOP AND BOTTOM OF LINTEL. FIRST WELD TO BE 75 FROM ENDS OF ANGLES.
3. ALL EXTERIOR LINTELS SUPPORTING BRICK VENEER TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.
4. CONNECT ALL LINTELS TO COLUMNS WHEN THERE IS LESS THAN 300 BETWEEN EDGE OF ROUGH OPENING AND STEEL COLUMN FACE.
5. FILL BLOCKS AROUND STEEL LINTELS IN CONCRETE BLOCK WALLS SOLID WITH GROUT AS SHOWN IN SECTION BELOW.
6. THE CONTRACTOR IS RESPONSIBLE FOR NEEDLING AND SHORING EXISTING MASONRY ABOVE NEW OPENING TO ALLOW THE SAFE INSTALLATION OF THE NEW STEEL LINTEL.

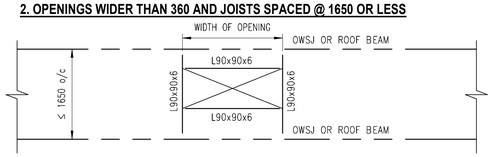


5.01b STRUCTURAL STEEL LINTELS FOR NON-LOAD BEARING CONCRETE BLOCK WALLS AND BRICK VENEER

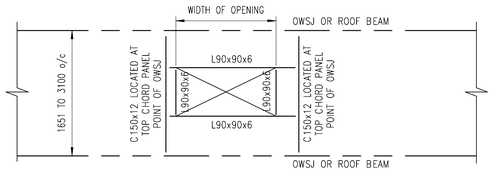
1. OPENINGS 200 TO 360 WIDE



2. OPENINGS WIDER THAN 360 AND JOISTS SPACED @ 1650 OR LESS



3. OPENINGS WIDER THAN 360 AND JOISTS SPACED @ 1651 TO 3100

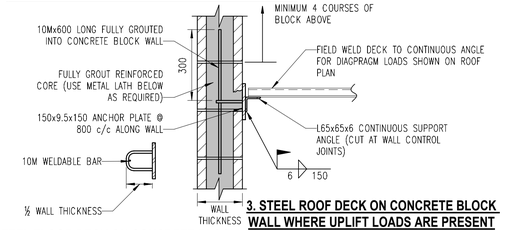


NOTES:

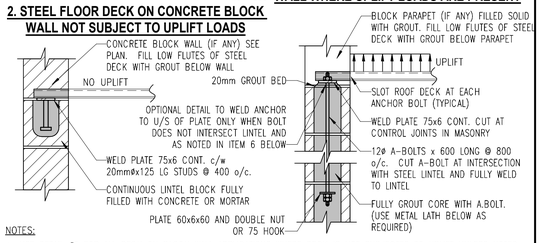
1. UNLESS NOTED OTHERWISE ON PLAN, PROVIDE FRAMING AROUND OPENINGS IN STEEL ROOF DECK AS SHOWN ABOVE.
2. READ THIS DETAIL IN CONJUNCTION WITH THE STRUCTURAL, ARCHITECTURAL AND MECHANICAL ROOFTOP PLANS TO DETERMINE SIZE AND LOCATION OF OPENINGS THROUGH STEEL ROOF DECK.
3. STRUCTURAL STEEL FABRICATOR TO PROVIDE STRUCTURAL STEEL FOR FRAMING OPENINGS IN ROOF DECK. DECK SUPPLIER TO INSTALL FRAMING FOR #1 ABOVE. STRUCTURAL STEEL ERECTOR TO INSTALL FRAMING FOR #2 AND #3 ABOVE.

5.02 OPENINGS IN STEEL ROOF DECK

1. STEEL DECK ABUTTING CONCRETE BLOCK WALL



2. STEEL FLOOR DECK ON CONCRETE BLOCK WALL NOT SUBJECT TO UPLIFT LOADS



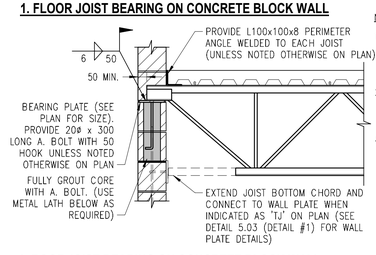
3. STEEL ROOF DECK ON CONCRETE BLOCK WALL WHERE UPLIFT LOADS ARE PRESENT

NOTES:

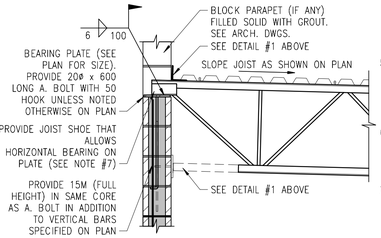
1. USE DETAIL #2 FOR ALL DECK ON BLOCK WALL APPLICATIONS WHERE DECK IS NOT SUBJECTED TO UPLIFT UNLESS NOTED OTHERWISE ON PLAN. USE DETAIL #3 FOR ALL ROOF DECK ON BLOCK WALL APPLICATIONS. USE DETAIL #1 ONLY AS INDICATED ON PLANS AND DETAILS.
2. SEE PLAN FOR LOADS ON STEEL DECK. CONNECT DECK TO WELDPLATE (OR SUPPORT ANGLE) FOR DIAPHRAGM LOADS INDICATED ON PLAN.
3. SEE ALSO TYPICAL DETAIL 5.04 FOR ANCHORAGE OF JOIST BRIDGING TO CONCRETE BLOCK WALLS.
4. DECK SUPPLIER/ERECTOR TO NOTCH DECK ON SITE AROUND TOP OF ANCHOR BOLTS AS SHOWN IN DETAIL #3.
5. MASONRY CONTRACTOR TO PROVIDE HOLE IN BOTTOM OF CONTINUOUS LINTEL BLOCK TO INSTALL CONTINUOUS VERTICAL WALL REINFORCING AS SPECIFIED ON PLAN FOR DETAIL #2.
6. DO NOT EXTEND PLATE MORE THAN 75 PAST ANCHOR POINT. IF BARS ARE PRE-WELDED TO U/S OF WELD PLATE FABRICATOR TO SUPPLY ADDITIONAL NUTTED ANCHORS TO ALLOW FIELD CUTTING OF PLATE TO LENGTH.

5.03 STEEL DECK SUPPORTED AT LOAD BEARING CONCRETE BLOCK WALLS

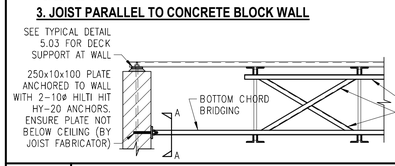
1. FLOOR JOIST BEARING ON CONCRETE BLOCK WALL



2. ROOF JOIST BEARING ON CONCRETE BLOCK WALL



3. JOIST PARALLEL TO CONCRETE BLOCK WALL



NOTES:

1. READ THIS DETAIL IN CONJUNCTION WITH ROOF PLAN AND BEARING PLATE SCHEDULES.
2. ROOF JOIST IS CLASSIFIED AS ANY JOIST SUBJECTED TO WIND UPLIFT LOADS.
3. 15M REINFORCING BAR SHOWN IN WALL OF DETAIL #2 IS IN ADDITION TO THE VERTICAL WALL REINFORCING INDICATED ON PLAN. GENERAL CONTRACTOR TO LAYOUT LOCATION OF ALL ROOF JOISTS FOR MASONRY CONTRACTOR FOR CORRECT PLACEMENT OF THIS EXTRA 15M BAR.
4. MASONRY CONTRACTOR TO SET ALL JOIST BASEPLATES LEVEL IN A BED OF MORTAR. FILL CORES BELOW BEARING PLATE SOLID AS SHOWN IN DETAILS.
5. PROVIDE PERMANENT CONTINUOUS BRIDGING FOR TOP AND BOTTOM CHORDS OF ALL JOISTS IN ACCORDANCE WITH CAN/CSA S16.1.
6. OFFSET JOIST BEARING PLATE AND ANY CONNECTION PLATES FROM VERTICAL WALL CONTROL JOINT.
7. JOIST SHOE TO BE FABRICATED SUCH THAT THERE IS EVEN BEARING ON THE FLAT BEARING PLATE BELOW WHILE THE JOIST FOLLOWS THE INDICATED SLOPES.

SECTION A-A

5.04 STEEL JOISTS SUPPORTED ON CONCRETE BLOCK WALLS

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TYPICAL DETAILS

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drawing number:

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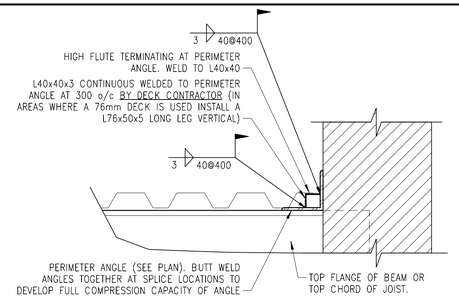
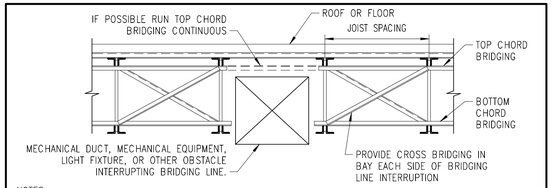


5.07	TYPICAL DECK CLOSURE DETAIL WHERE HIGH FLUTE DOES NOT CLOSE WITH PERIMETER ANGLE

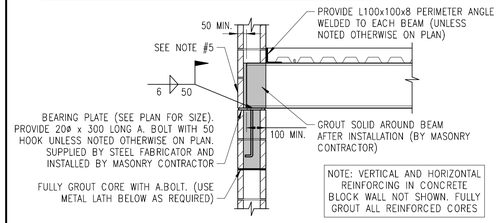


NOTES:

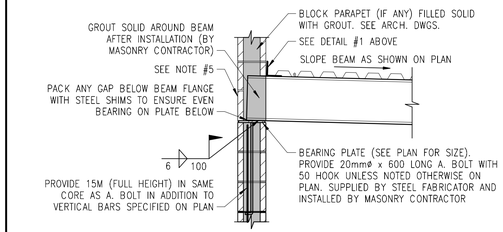
1. READ THIS DETAIL IN CONJUNCTION WITH THE FLOOR/ROOF FRAMING PLANS.
2. STEEL JOIST CONTRACTOR TO REVIEW MECHANICAL AND ELECTRICAL DRAWINGS TO DETERMINE LOCATIONS WHERE BOTTOM CHORD HORIZONTAL BRIDGING WILL BE INTERRUPTED BY LIGHTS, DUCTS, OR OTHER EQUIPMENT.
3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTION OF JOIST SHOP DRAWINGS TO MECHANICAL AND ELECTRICAL TRADES FOR CONFIRMATION ON LOCATIONS WHERE LIGHTS, DUCTS, OR OTHER EQUIPMENT INTERRUPT BRIGING LINES.

5.13	DUCT OR OTHER MECH. OR ELECT. CONFLICT WITH JOIST BRIDGING

1. FLOOR BEAM BEARING ON CONCRETE BLOCK WALL

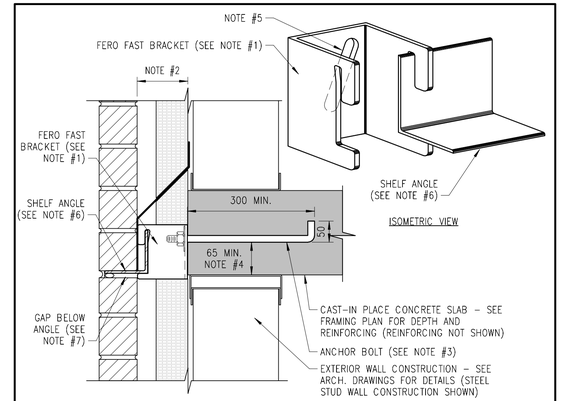


2. ROOF BEAM BEARING ON CONCRETE BLOCK WALL



1. READ THIS DETAIL IN CONJUNCTION WITH FLOOR AND ROOF FRAMING PLANS AND ANY BEARING PLATE SCHEDULES.
2. ROOF BEAM IS CLASSIFIED AS ANY BEAM SUBJECTED TO WIND UPLIFT LOADS.
3. 15M REINFORCING BAR SHOWN IN WALL OF DETAIL #2 IS IN ADDITION TO THE VERTICAL WALL REINFORCING INDICATED ON PLAN. GENERAL CONTRACTOR TO LAYOUT LOCATION OF ALL BEARING PLATES FOR MASONRY CONTRACTOR FOR CORRECT PLACEMENT OF THIS EXTRA 15M BAR.
4. MASONRY CONTRACTOR TO SET ALL BEAM BASEPLATES LEVEL IN A BED OF MORTAR. FILL CORES BELOW BEARING PLATE SOLID AS SHOWN IN DETAILS.
5. SEE ARCHITECTURAL DETAILS TO DETERMINE IF FACE OF WALL IS EXPOSED. IF EXPOSED, USE FACESHELLS AS REQUIRED AT BEAM POCKET TO MAINTAIN COURSING AND AND FULL BLOCK PLACEMENT.

5.11	STEEL BEAMS SUPPORTED ON CONCRETE BLOCK WALLS



1. FOR SUPPORT OF CONTINUOUS SHELF ANGLE, PROVIDE A 'FAST' BRACKET (MANUFACTURED BY FERO) CONNECTED AT SLAB EDGE AND SPACED AT 900mm c/c MAXIMUM. ENSURE THERE IS A MINIMUM OF 2 'FAST' BRACKETS PER STRETCH OF WALL.
2. CHOOSE SIZE OF 'FAST' BRACKET BASED ON THE SIZE OF THE CAVITY WALL (INSULATION + AIR SPACE).
3. CONNECT THE FAST BRACKET TO THE FACE OF THE CONCRETE SLAB USING A 16mmø ANCHOR BOLT WITH A MINIMUM OF 300mm EMBEDMENT AND A 50mm HOOK. THE BOLT IS TO BE CAST IN THE SLAB. THE FORM AT THE OUTSIDE FACE OF THE SLAB IS TO BE DRILLED TO ACCOMMODATE PLACEMENT OF THE ANCHOR BOLT. USE AN APPROPRIATELY SIZED WASHER AND NUT TO CONNECT THE BRACKET TO THE SLAB.
4. DETERMINE THE LOCATION OF THE ANCHOR BOLT WITHIN THE SLAB BASED ON BRICK COURSING DIMENSIONS (REFER TO ARCH. DRAWINGS). THE BOLT IS TO BE PLACED NOT CLOSER THAN 65mm FROM THE BOTTOM OF THE SLAB.
5. PLACE 'FAST' BRACKET SUCH THAT THE DIRECTION OF THE SLOT ALTERNATES DIRECTIONS TO PREVENT THE SHELF ANGLE SYSTEM FROM MOVING AFTER INSTALLATION (REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS).
6. PLACE A L100x100x6 HOT DIPPED GALVANIZED SHELF ANGLE CONTINUOUS ALONG EACH SLAB EDGE.
7. PROVIDE A 15mm GAP BELOW EACH SHELF ANGLE AND FILL WITH APPROVED COMPRESSIBLE MATERIAL. REFER TO ARCH. DETAILS FOR FLASHING DETAILS AND SEALING OF GAP AFTER VENEER INSTALLATION.

5.12	SHELF ANGLE FOR SUPPORT OF EXTERIOR VENEER

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DO NOT SCALE DRAWING

#	date:	revision:	by:
5	04.24.2026	ISSUED FOR TENDER	AV
4	09.05.2025	ISSUED FOR PERMIT	AV
3	08.28.2025	ISSUED FOR 90% CLIENT REVIEW	AV
2	08.08.2025	ISSUED FOR 80% CLIENT REVIEW	AV
1	07.11.2025	ISSUED FOR 70% CLIENT REVIEW	PR

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TYPICAL DETAILS

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