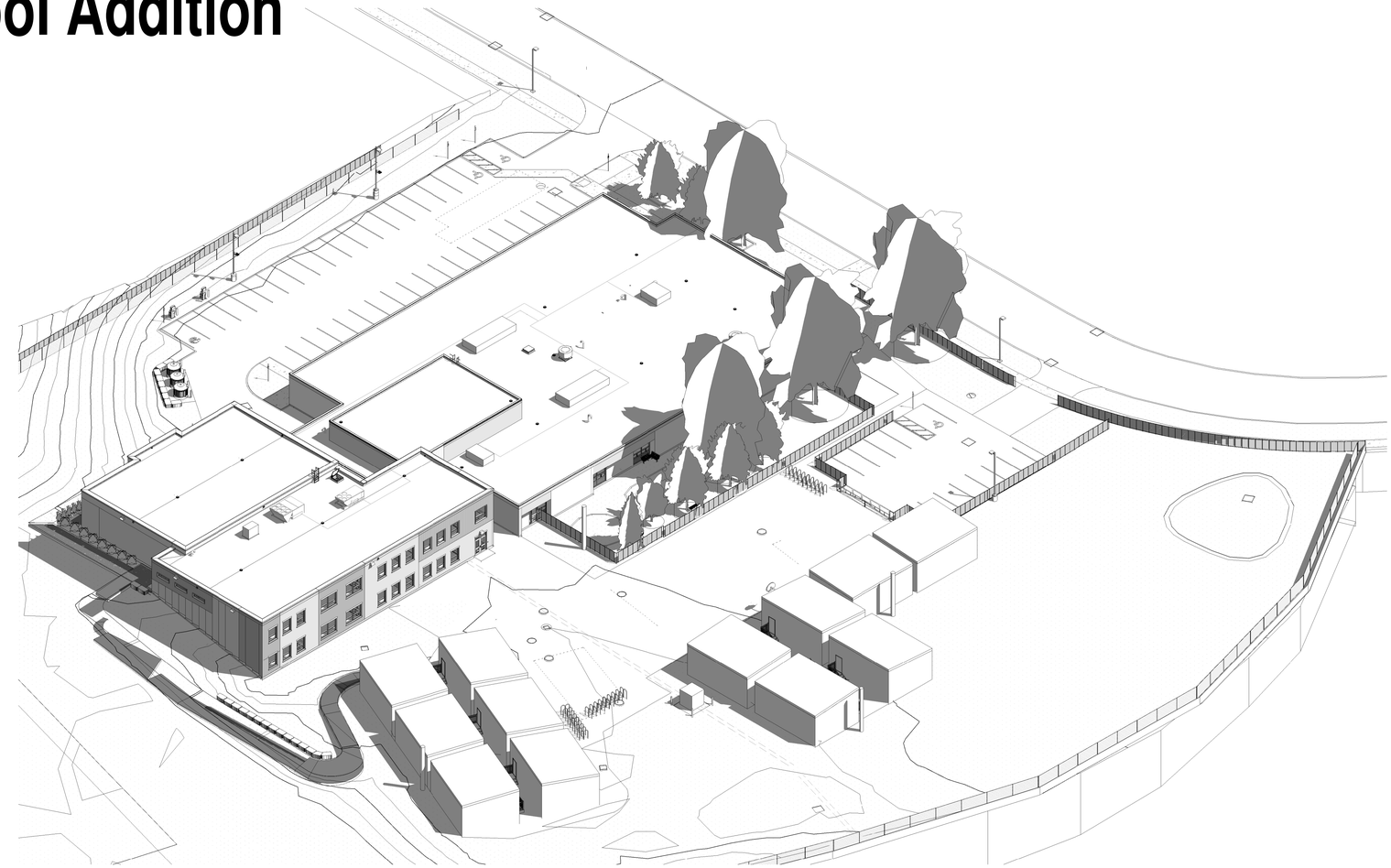
St. Mark CES School Addition

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

LANDSCAPE

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

CIVIL

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C1.1	REMOVALS PLAN
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

MECHANICAL & ELECTRICAL

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M1.1	MECHANICAL LEGEND, NOTES, AND SCHEDULES
M1.2	MECHANICAL SCHEDULES
M1.3	PLUMBING SCHEDULE
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E7.1	FIRE ALARM RISER DIAGRAM

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S1.0	FOUNDATION PLAN
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S2.2	SCHEDULES
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S3.4	ELEVATIONS
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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
S4.10	SECTIONS
S4.11	SECTIONS
S4.12	SECTIONS
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S5.3	TYPICAL DETAILS
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S5.5	TYPICAL DETAILS
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
A0.10	ASSEMBLIES
A0.11	ASSEMBLIES
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A0.70	SITE PLAN - EXISTING
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A6.13	EXTERIOR WALL SECTIONS
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A6.20	EXTERIOR SECTION DETAILS - FOUNDATION
A6.21	EXTERIOR SECTION DETAILS - OPENINGS
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A6.23	EXTERIOR SECTION DETAILS - ROOF
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A7.11b	ENLARGED ADDITION WR PLANS & ELEVATIONS - LEVEL 2
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A7.21	ENLARGED PLANS & INTERIOR ELEVATIONS - LEARNING COMMONS
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A8.15	MILLWORK DETAILS AND ELEVATIONS - STAFF LOUNGE
A8.16	MILLWORK DETAILS AND ELEVATIONS - PLANNING TIME
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A9.10	EXTERIOR WINDOW SCHEDULE & ELEVATIONS

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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.

Ontario's 2020 Building Code Data Matrix Part 3 or 9

Item			OBC Reference (References are to Division B unless noted [A] for Division A or [C] for Division C.)	
			■ Part 3 Addition	☐ Part 9
1	Project Description: ☐ New ■ Addition ☐ Change of Use ■ Alteration	■ Part 11 Alteration 11.1 to 11.4	1.1.2. [A]	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 Number of Storey's	Existing Above grade 1 Below grade 0 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 Addition	Group A, Division 2 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 Addition Only Existing building	☐ selected compartments ☐ entire building ■ selected floor areas ☐ basement ☐ in lieu of roof rating ■ 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 Actual Construction	☐ Combustible permitted ■ Non- combustible required ☐ Both ☐ 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 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		3.1.17.	9.9.1.3.
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)	Horizontal Assemblies FRR (Hours): Floors 1 Hours; Roof N/A Hours; Mezzanine 1 Hours — Listed Design No. or Description (SG-2): Noncombustible; Noncombustible; N/A FRR of Supporting Members: Floors 1 Hours; Roof N/A Hours; Mezzanine 1 Hours — Listed Design No. or Description (SG-2): Noncombustible; Noncombustible; N/A	3.2.2.20.-.83 & 3.2.1.4.	9.10.8 9.10.9.
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	
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	N/A OBC: 3.2.3.7 (3)
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		Fixtures Provided WC	Urinals	Total	Permissible Occupant Load (Persons)	Building Code Reference ■ Part 3 Required	3.7.4.3.(14)
STUDENT 1st floor	Male						
	Female						
STUDENT 2nd floor	Male						
	Female						
Staff 1st floor	Male						
	Female						
Staff 2nd floor	Male						
	Female						

REFER TO SHEET A0.03 FOR ADDITIONAL 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 required 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 throughought.

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) Increase in occupant load: ■ No ☐ Yes (explain) Change of major occupancy: ■ No ☐ Yes (explain) Plumbing: ■ No ☐ Yes (explain) Sewage System: ■ No ☐ Yes (explain)	11.4.3 11.4.3.2 11.4.3.3 11.4.3.4 11.4.3.5 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
Ref 01 A 1.01	DENOTES WALL SECTION
REF 01 A 1.01	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

ST MARK SCHOOL
240 AUTUMN HILL CRESCENT
KITCHENER

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)

Existing Building + (7 Portables)

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
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)

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
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
- EF-x: EXTERIOR ASSEMBLY TYPE x = ASSEMBLY TYPE #
- BR: 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 / EXTERIOR (GR) — 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-5: 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
- ACTx: CEILING MEMBRANE MATERIAL TYPE
- 2440: 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
- PRB-x: ASSEMBLY TYPE x = ASSEMBLY TYPE #
- MSF: 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-x | - | ICEM
- FL-x: FLOOR ASSEMBLY TYPE x = FLOOR ASSEMBLY TYPE #
- -: FLOOR ASSEMBLY STRUCTURE
- ICEM: 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 300mm 1220mm (48") RIGID INSULATION AROUND ENTIRE PERIMETER OF BUILDING (INS-2) 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
1108 Dundas St., Suite 104
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vbands.com

IRON HOUSING ARCHITECTS
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Kitchener, ON N2B 3X9
(519) 743-6500
mte85.com

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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
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3	2025.08.29	90% Client Review
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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

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

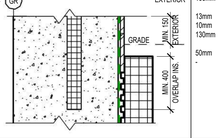
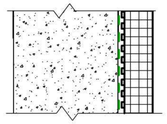
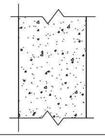
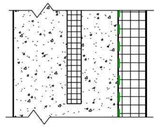
FOUNDATION WALL ASSEMBLY TAG LEGEND

FW-x | XPS
- FW-x: FOUNDATION WALL ASSEMBLY TYPE x = WALL ASSEMBLY TYPE #
- XPS: 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
2. REFER TO STRUCTURAL DOCUMENTS FOR ALL ITEMS NOTED AS "STRUCTURAL"

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

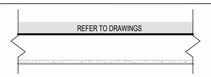
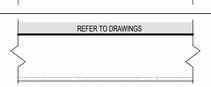
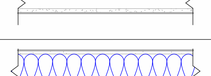
GWB PARTITION ASSEMBLY TYPE LEGEND*

F	FURRING
L	STRUCTURAL PARTITION (LOAD BEARING)
P	PARTITION
2P	DOUBLE WYTHE PARTITION
S	SHAFTWALL PARTITION
X	FIRE RESISTANCE 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 | -
- LB: 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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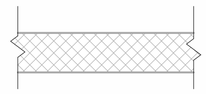
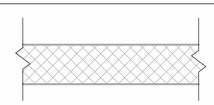
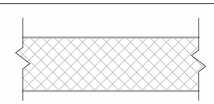
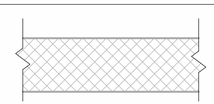
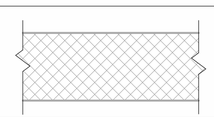
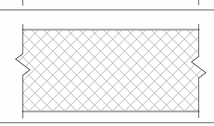
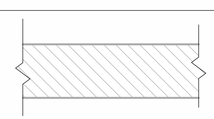
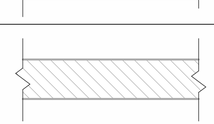
2. REFER TO STRUCTURAL DOCUMENTS FOR ALL ITEMS NOTED AS "STRUCTURAL"
3. ALL CONCRETE BLOCK PARTITIONS TO EXTEND TO UNDERSIDE OF STRUCTURE

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

ROOF ASSEMBLY STYLE 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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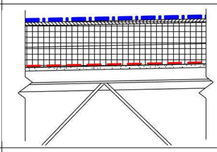
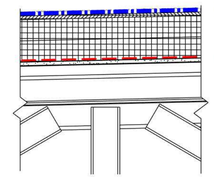
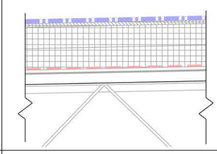
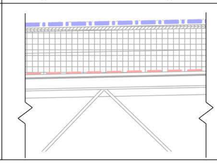
SYMBOL	FFR (HR) ULC#	R-VALUE	CONSTRUCTION	DESCRIPTION	
RF-1 MBR SSD	- / -	R35		- GRAVEL SURFACING AND/OR PAVERS C/W RIGID INSULATION BELOW (REFER TO SPEC.) - 3 PLY HOT APPLIED BUILT UP ROOF MEMBRANE 13mm ASPHALT COATED FIBERBOARD (PROTECTION BOARD) 75mm POLYISOCYANURATE INSULATION (INS-7) 75mm POLYISOCYANURATE 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 DECKSTRUCTURE	(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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mte85.com

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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
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4	2025.09.05	Issued For SPA
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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)

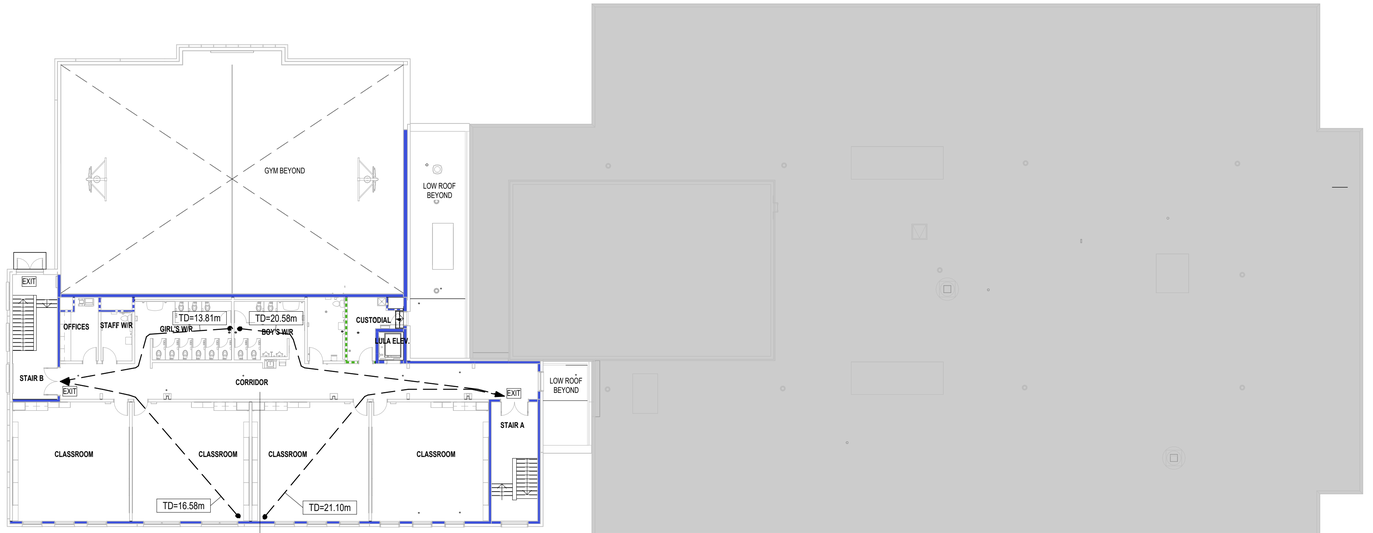
1.3 APPLICATIONS:

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)

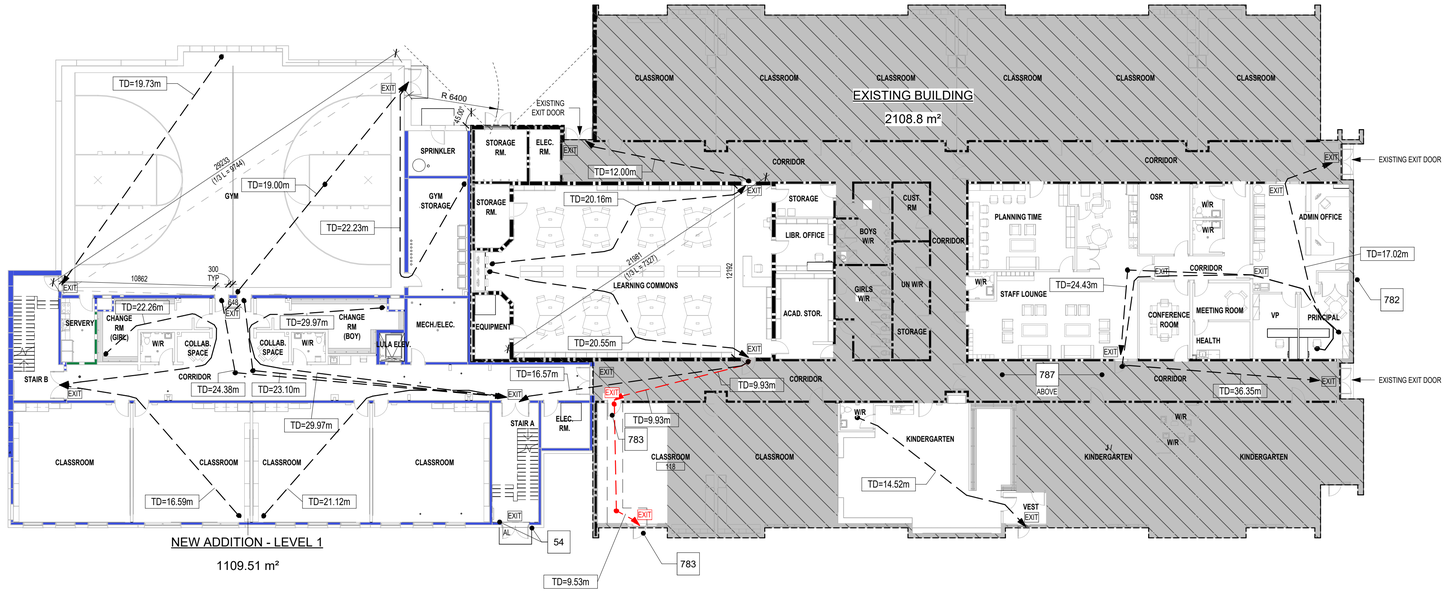
3.4. CONTRACTOR TO PROVIDE SHOP DRAWINGS WITH DETAILED MATERIAL INFORMATION INDICATING ULC OR CUL RATINGS AS WELL AS APPLICATION INSTRUCTIONS.



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

1490 Richmond St, Suite 305
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www.garchitects.ca

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deiassociates.ca

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(519) 433-4661
vbands.com

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Kitchener, ON N2B 3X9
(519) 743-6500
mte85.com

35 Weber Street West, Unit A
Kitchener, ON N2H 3Z1
(519) 578 3660
www.wcdsb.ca

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

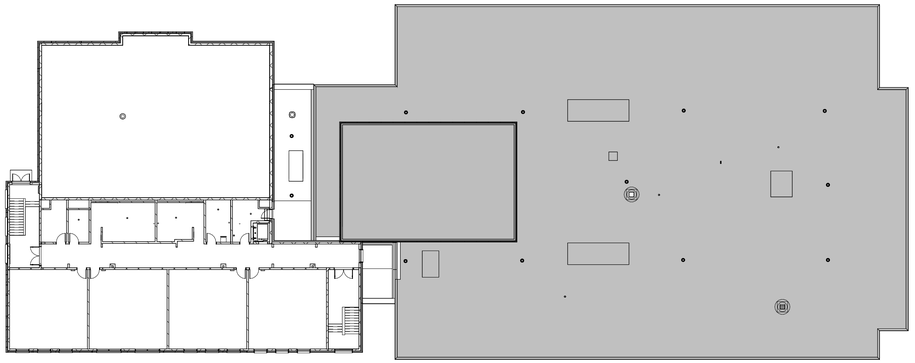
PN TN

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

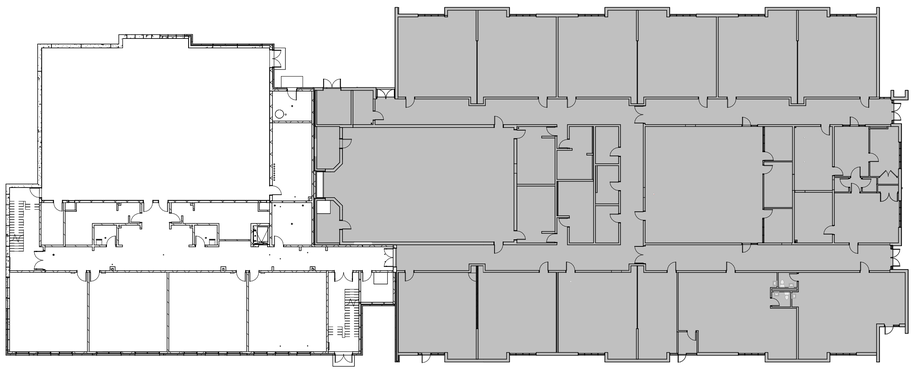
drawing number:

A0.21

NEW CONSTRUCTION PHASE 1

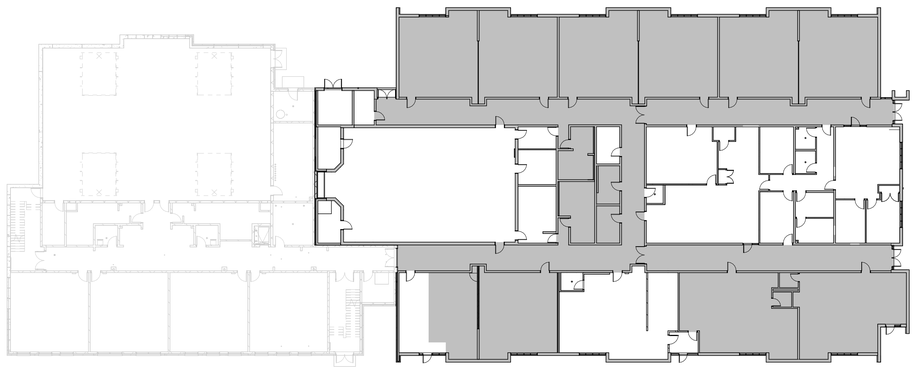


Phasing Diagram - Level 2 and Roof - Phase 1 — 6 / A1.41 A0.40 — 1 : 300



Proposed Framing Plan - Level 1 - Phase 1 — 5 / A1.40 A0.40 — 1 : 300

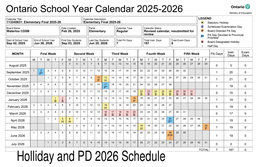
NEW CONSTRUCTION PHASE 2 - (Summer 2027)



Proposed Framing Plan - Level 1 - Phase 2 — 4 / A1.40 A0.40 — 1 : 300

DEMOLITION PHASE 1

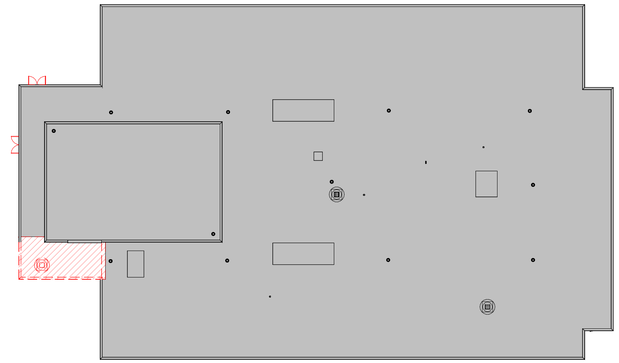
Ontario School Year Calendar 2025-2026



Holliday and PD 2026 Schedule

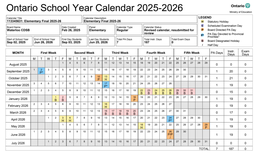
INTERIOR RENOVATION WORK NOTE:

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

Ontario School Year Calendar 2025-2026



Holliday and PD 2026 Schedule

INTERIOR RENOVATION WORK NOTE:

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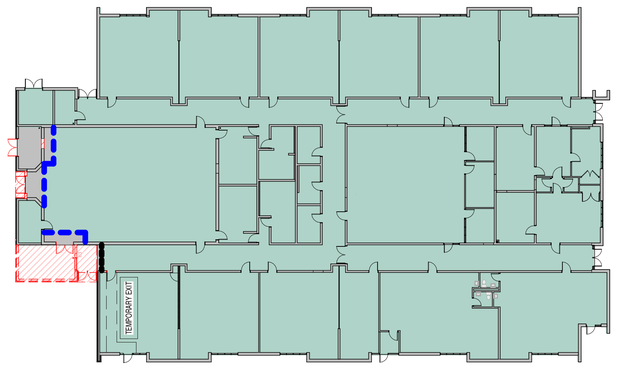
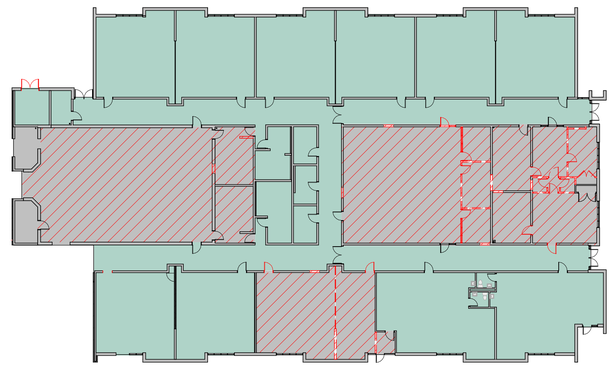


Demolition Plan - Leve 1 - Phase 1 — 2 / A1.40 A0.40 — 1 : 300

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

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.

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mte85.com

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(519) 578 3660
www.wcdsb.ca

#	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
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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

MTE FILE PATH: P:\P\61373_001\61373_001-C1

April 8, 2026 - 12:01:14 PM - Plotted By: Su Miao Xu

I hereby certify that this Site Grading, Servicing and Storm Water Management Plan conforms to the Landscape Plans for this project.

*Signature of the Professional Consultant(s) for Site Grading, Drainage and Siltation Control, and Storm Water Management.

Signature:

Date: January 28, 2026

*Signature of Landscape Architect

Signature:

Date: January 28, 2026

NOTE: ALL WORKS WITHIN THE MUNICIPAL RIGHT-OF-WAY TO BE COMPLETED BY OWNER'S CONTRACTOR AS PER THE CITY OF KITCHENER PROCEDURES FOR OFFSITE WORKS BY CONTRACTORS. OWNER'S CONTRACTOR TO NOTE THAT THE CITY OF KITCHENER DOES ACCEPT RECYCLED ASPHALT UP TO 15% (RAP) IN THE HL3 USED FOR ROAD PATCHES.

NOTE: PRIOR TO CONSTRUCTION, CONTRACTOR TO VERIFY CONDITION, DEPTH AND LOCATION OF EXISTING SERVICES AND NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES.

NOTE: PRIOR TO CONSTRUCTION AND ANY FIELD WORK, CONTRACTOR SHALL PREPARE A DETAILED PHASING PLAN & CONSTRUCTION SCHEDULE TO THE SATISFACTION OF THE WCDSB REPRESENTATIVE AND CONSULTANT TEAM. THE PHASING PLAN MUST TAKE INTO ACCOUNT CONSTRUCTION TIMELINES, OWNER/SCHOOL OPERATIONS AND CONSTRAINTS IN ORDER TO ACCOMMODATE THE CONTINUED USE OF THE SITE AND TO PROTECT OCCUPANTS AND PROPERTY. NO WORK MAY COMMENCE ON-SITE UNTIL APPROVAL OF THE PHASING PLAN AND CONSTRUCTION SCHEDULE IS PROVIDED BY THE WCDSB REPRESENTATIVE.

NOTE: UTILITIES, HYDRO POLE AND ASSOCIATED LINES TO BE REMOVED, RELOCATED OR REPLACED ON-SITE AS REQUIRED. CONTRACTOR TO COORDINATE DIRECTLY WITH UTILITIES AND ELECTRICAL DRAWINGS.

NOTE: REFER TO TREE MANAGEMENT PLAN COMPLETED BY RON KOUDYS LANDSCAPE ARCHITECTS INC. FOR GUIDANCE ON TREE REMOVAL AND PROTECTION.

NOTE: TEMPORARY DOOR AND FENCE RECONFIGURATION WILL BE REQUIRED DURING CONSTRUCTION. ELECTRICAL PROVISIONS ALSO APPLY. SEE SITE PLAN AND ARCHITECTURAL DRAWINGS FOR DETAILS.

NOTE: EXISTING PARKING LOT CONDITIONS MAY VARY FROM TOPOGRAPHY DUE TO ON GOING PARKING LOT PROJECT.

REMOVE EXISTING FENCE DURING CONSTRUCTION AND REINSTATE AFTER CONSTRUCTION IS COMPLETED (TYP.)

CONTRACTOR TO CONFIRM EXISTING STORM SEWER MATERIAL. IF STORM SEWER IS CSP, CONTRACTOR TO GROUT AND ABANDON IN PLACE. IF STORM SEWER IS CONCRETE, CONTRACTOR TO CAP AND ABANDON IN PLACE. COORDINATE WORK WITH SERVICING SHOWN ON C2.2.

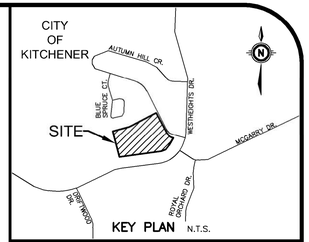
CONTRACTOR TO COORDINATE DIRECTLY WITH WCDSB STAFF FOR DIRECTION ON RELOCATION OR REMOVAL OF EX. SHED

CONTRACTOR TO OCTV AND LOCATE EX. SAN LATERAL INTO PROPERTY AND PROVIDE FINDINGS (INCLUDING ALIGNMENT) TO MTE PRIOR TO CONSTRUCTION AND STRUCTURE ORDERING. OCTV TO EXTEND UP TO BUILDING.

LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EASEMENT
- EXISTING SPOT ELEVATIONS/CONTOURS
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING RETAINING WALL
- EXISTING MAN DOOR
- EXISTING OVERHEAD HYDRO
- REMOVALS
- HARD SURFACE REMOVALS

CITY OF KITCHENER



KEY PLAN N.T.S.

GEODETIC BM ELEV. = m
REFER TO TOPO COMPLETED BY VAN HARTEN

SITE BENCHMARK ELEV. = m
REFER TO TOPO COMPLETED BY VAN HARTEN

NOTE TO CONTRACTOR :

DO NOT SCALE DRAWINGS.

CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.

THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

NOTE:

1. PROPERTY LINE IS APPROXIMATE ONLY AND SHOULD NOT BE USED FOR DETERMINING SETBACKS OR LAYOUT.
2. EXISTING TOPOGRAPHICAL INFORMATION PROVIDED BY VAN HARTEN SURVEYING INC. DATED APRIL 11, 2025.
3. INVERTS DENOTED WITH "±" ARE TAKEN FROM SURVEY COMPLETED BY VAN HARTEN SURVEYING INC. AND ARE CONSIDERED APPROXIMATE ONLY. CONTRACTOR TO FIELD VERIFY AND REPORT ANY DISCREPANCIES TO ENGINEER.
4. THIS PLAN IS PART OF A SET OF PLANS WHICH COMPRISE OF THE FOLLOWING: C1.1, C2.1, C2.2, C2.3, C2.4 AND C2.5
5. FULL EXTENT OF REMOVALS MAY NOT BE SHOWN ON THIS REMOVALS PLAN. CONTRACTOR TO INCLUDE ALL REMOVALS REQUIRED TO COMPLETE THE WORK ON C2.1 AND C2.2.

No.	REVISION	BY	YYYY-MM-DD
8.			
7.	ISSUED FOR TENDER	AXS	2026-04-10
6.	Revised per City Comments	AXS	2026-03-24
5.	Revised per City Comments	AXS	2026-03-10
4.	ISSUED FOR SPA	AXS	2025-01-30
3.	ISSUED FOR PERMIT	AXS	2025-09-08
2.	ISSUED FOR FUNCTIONAL SUBMISSION	AXS	2025-09-03
1.	ISSUED FOR CLIENT REVIEW	AXS	2025-05-28

MTE
Engineers, Scientists, Surveyors
519-743-6500

CLIENT
G ARCHITECTS
310 SPADINA AVENUE SUITE 303 TORONTO, ONTARIO

PROJECT
ST. MARK CATHOLIC ELEMENTARY SCHOOL
240 AUTUMN HILL CRESCENT KITCHENER, ONTARIO

DRAWING
REMOVALS PLAN

Project Manager: A. SAWATSKY	Project No.: 61373_001
Design By: MLW	Checked By: AXS
Drawn By: MJR/TXT	Checked By: MLW
Surveyed By: OTHERS	Drawing No.: C1.1
Date: May.02/25	
Scale: 1:400	Sheet 1 of 6

P:\P\61373_001\61373_001-C2

MTE FILE PATH:

NOTE: PRIOR TO CONSTRUCTION AND ANY FIELD WORK, CONTRACTOR SHALL PREPARE A DETAILED PHASING PLAN & CONSTRUCTION SCHEDULE TO THE SATISFACTION OF THE WCDSB REPRESENTATIVE AND CONSULTANT TEAM. THE PHASING PLAN MUST TAKE INTO ACCOUNT CONSTRUCTION TIMELINES, OWNER/SCHOOL OPERATIONS AND CONSTRAINTS IN ORDER TO ACCOMMODATE THE CONTINUED USE OF THE SITE AND TO PROTECT OCCUPANTS AND PROPERTY. NO WORK MAY COMMENCE ON-SITE UNTIL APPROVAL OF THE PHASING PLAN AND CONSTRUCTION SCHEDULE IS PROVIDED BY THE WCDSB REPRESENTATIVE.

I hereby certify that this Site Grading, Servicing and Storm Water Management Plan conforms to the Landscape Plans for this project.

*Signature of the Professional Consultant(s) for Site Grading, Drainage and Siltation Control, and Storm Water Management

Signature:

Date: January 28, 2026

*Signature of Landscape Architect

Signature:

Date: January 28, 2026

NOTE: EXTERIOR STAIRS SHOWN FOR GRADING PURPOSES. STAIR DETAILS TO BE PROVIDED BY OTHERS AND CONSTRUCTED PER OBC 3.4.6.8

CONTRACTOR TO COMPLETE UNDERGROUND WORK, RESTORATION AND TOP COAT OF ASPHALT UNDER THIS CONTRACT. PARKING LOT EXPANSION FROM PREVIOUS CONTRACT SHOWN TO ILLUSTRATE FINAL CONDITION.

PROPOSED WOOD FENCE

MOLOKS ON CONC. PAD

10.7m RETAINING WALL MAX HEIGHT=0.45m

MATCH INTO EXISTING EMBANKMENT AT 2:1 SLOPE MAX.

LIMIT OF CONSTRUCTION AND SEDIMENT FENCE LOCATION IS DUE TO THE EXCAVATION REQUIRED TO INSTALL THE FOOTINGS, REFER TO STRUCTURAL

3R@0.18m TOP OF STAIRS=357.10 BOTTOM OF STAIRS=356.56

3R@0.18m TOP OF STAIRS=358.32 BOTTOM OF STAIRS=357.78

3R@0.18m TOP OF STAIRS=359.54 BOTTOM OF STAIRS=359.00

CONTRACTOR TO MATCH INTO EXISTING GRADES ALONG THE LIMIT OF CONSTRUCTION

PROPOSED PLANTINGS (REFER TO LANDSCAPE) (TYP.)

CONCRETE AREA TO BE INSTALLED WITH A 2.0% (MIN.) CROSSFALL.

3R@0.18m TOP OF STAIRS=358.93 BOTTOM OF STAIRS=358.39

3R@0.18m TOP OF STAIRS=357.71 BOTTOM OF STAIRS=357.17

LANDINGS TO BE INSTALLED AT A 2.0% SLOPE (TYP.)

DRAINAGE BETWEEN STAIRS AND BUILDING TO BE DIRECTED AWAY FROM BUILDING AND EAST (TYP.)

NOTE: TOP OF FOUNDATION WALL TO BE MIN 0.15m ABOVE EXTERIOR GRADE.

PROPOSED ADDITION
FFE=356.60±
(TO MATCH BUILDING)
FCRD x 10
(REFER TO MECHANICAL DRAWINGS)

ARMOURSTONE WALL (TYP.) REFER TO LANDSCAPE DRAWINGS

ASPHALT

150mm CONCRETE BARRIER CURB PER OPSD 600.110 (TYP.)

16.0x4.7m MC-3500 STORMWATER TANK B c/w IMPERMEABLE LINER

3.0x15.0m CONSTRUCTION ACCESS (SEE DETAIL)

THERMOPLASTIC CROSSWALK

MH10
T/G=356.24

CBMH11
T/G=355.97±
(TO MATCH EX. GRADES)

CSW

OGS12 (EF04)
T/G=356.18±
(TO MATCH EX. GRADES)

INSTALL NEW CONCRETE DRIVE APRON PER CITY OF KITCHENER STANDARD DETAIL 109.

SIGN (TYP.)

EX. 2.5m DROP CURB

5.2m CURB CUT

FROST SLAB TO BE INSTALLED AT A MIN OF 1.0% SLOPE (TYP.)

APPROXIMATE LIMIT OF EX. BUILDING ROOF DRAINING THROUGH THE PROPOSED ADDITION

CONTRACTOR TO REINSTATE EX. CONC. SWK TO EX. CONDITION OR BETTER, MATCHING INTO EXISTING GRADES FOLLOWING WTM WORK.

ST. MARK CATHOLIC ELEMENTARY SCHOOL (No. 240)

FDC

AUTUMN HILL CRESCENT

NOTE: ALL WORKS WITHIN THE MUNICIPAL RIGHT-OF-WAY TO BE COMPLETED BY OWNER'S CONTRACTOR AS PER THE CITY OF KITCHENER PROCEDURES FOR OFFSITE WORKS BY CONTRACTORS. OWNER'S CONTRACTOR TO NOTE THAT THE CITY OF KITCHENER DOES ACCEPT RECYCLED ASPHALT UP TO 15% (RAP) IN HL3 USED FOR ROAD PATCHES.

NOTE: CONTRACTOR TO INSTALL SILT SACK IN ALL MHs, CBMHs AND CBs. REFER TO DETAIL.

LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EASEMENT
- EXISTING SPOT ELEVATIONS/CONTOURS (326.23, 326.00)
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING RETAINING WALL
- EXISTING MAN DOOR
- EXISTING DIRECTION OF DRAINAGE

LEGEND OF PROPOSED FEATURES

- [356.38] / (326.00) — AS-DESIGNED GRADES FROM PROPOSED ST MARK SCHOOL EXPANSION, COMPLETED BY MTE, 2025-08-07
- T/G=326.00 — PROPOSED SPOT ELEVATIONS
- FFE=326.00 — EX =MAINTAIN EXISTING; T/G =TOP OF CASTING/GRATE; INV =INVERT ELEVATION; FFE =FINISHED FLOOR ELEVATION
- 1.0% 1.0% — DIRECTION OF DRAINAGE/SWALE
- DRAINAGE SPLIT (RIDGE)
- (TOP) 3:1 (BOTTOM) — EMBANKMENT (SLOPE AS NOTED)
- PROPOSED BUILDING
- MAN DOOR
- LIMIT OF CONSTRUCTION
- SEDIMENT CONTROL FENCE (SEE DETAIL)
- SAW CUT c/w 1.0m LAP JOINT GRID (SEE DETAIL)
- OVERLAND FLOW ROUTE (MAJOR STORM)
- INFILTRATION GALLERY/STORMWATER TANK (SEE DETAIL)
- FCRD — FLOW CONTROL ROOF DRAIN DESIGNED BY OTHERS (REFER TO MECHANICAL DRAWINGS)
- CONSTRUCTION ACCESS (SEE DETAIL)
- SILT SACK (SEE DETAIL)
- FENCE

MH4 T/G=356.41; CBMH6 T/G=356.30; MH3 T/G=356.50; MH1A T/G=356.35; MH7 T/G=356.51; MH8 T/G=356.22; MH2 T/G=356.90; MH2A T/G=354.90± (TO MATCH EX. GRADES); CBMH9 T/G=355.84± (TO MATCH EX. GRADES)

21.8mx9.2m MC-3500 ADS STORMWATER TANK A c/w IMPERMEABLE LINER

13.1mx6.0m SC-800 ADS INFILTRATION GALLERY C

SAWCUT c/w LAP JOINT (SEE DETAIL) (TYP.)

INSPECTION PORT RATED FOR VEHICLE LOADING (TYP.)

SEDIMENT CONTROL FENCE (SEE DETAIL)(TYP.)

PROPOSED TRANSFORMER LOCATION, REFER TO ELECTRICAL DRAWINGS

BIKE RACK (TYP.)

CB1 T/G=356.95

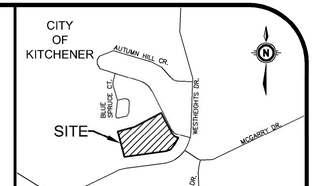
CB5 T/G=356.30

MATCH INTO EXISTING GRADES AT 3:1 MAX WITH LANDSCAPE EMBANKMENT. (TYP.)

FUTURE PORTABLE (TYP.)

Ex. PORTABLE (TYP.)

CITY OF KITCHENER



GEODETIC BM ELEV. = m
REFER TO TOPO COMPLETED BY VAN HARTEN

SITE BENCHMARK ELEV. = m
REFER TO TOPO COMPLETED BY VAN HARTEN

NOTE TO CONTRACTOR :

DO NOT SCALE DRAWINGS.

CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.

THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

NOTE:

1. PROPERTY LINE IS APPROXIMATE ONLY AND SHOULD NOT BE USED FOR DETERMINING SETBACKS OR LAYOUT.
2. EXISTING TOPOGRAPHICAL INFORMATION PROVIDED BY VAN HARTEN SURVEYING INC. DATED APRIL 11, 2025.
3. INVERTS DENOTED WITH "±" ARE TAKEN FROM SURVEY COMPLETED BY VAN HARTEN SURVEYING INC. AND ARE CONSIDERED APPROXIMATE ONLY. CONTRACTOR TO FIELD VERIFY AND REPORT ANY DISCREPANCIES TO ENGINEER.
4. THIS PLAN IS PART OF A SET OF PLANS WHICH COMPRISE OF THE FOLLOWING: C1.1, C2.1, C2.2, C2.3, C2.4 AND C2.5

No.	REVISION	BY	YYYY-MM-DD
8.			
7.	ISSUED FOR TENDER	AXS	2026-04-10
6.	Revised per City Comments	AXS	2026-03-24
5.	Revised per City Comments	AXS	2026-03-10
4.	ISSUED FOR SPA	AXS	2025-01-30
3.	ISSUED FOR PERMIT	AXS	2025-09-08
2.	ISSUED FOR FUNCTIONAL SUBMISSION	AXS	2025-09-05
1.	ISSUED FOR CLIENT REVIEW	AXS	2025-05-28

MTE
Engineers, Scientists, Surveyors
519-743-6500

CLIENT

G ARCHITECTS

310 SPADINA AVENUE SUITE 303 TORONTO, ONTARIO

PROJECT

ST. MARK CATHOLIC ELEMENTARY SCHOOL

240 AUTUMN HILL CRESCENT KITCHENER, ONTARIO

DRAWING

SITE GRADING AND EROSION & SEDIMENT CONTROL PLAN

Project Manager: A. SAWATSKY	Project No.: 61373_001
Design By: MLW	Checked By: AXS
Drawn By: MJR/TXT	Checked By: MLW
Surveyed By: OTHERS	Drawing No.: C2.1
Date: May.02/25	
Scale: 1:300	Sheet 2 of 6

April 8, 2026 - 12:03:23 PM - Plotted By: Su Miao Xu

P:\P\61373_001\61373_001-C2

MTE FILE PATH:

OCCUPANCY CERTIFICATION CHECKLIST

MTE CONSULTANTS INC. WILL ISSUE THE OCCUPANCY CERTIFICATION LETTER TO THE LOCAL BUILDING DEPARTMENT ONLY AFTER ALL LISTED REQUIREMENTS ARE COMPLETED AND VERIFIED. ANY OUTSTANDING ITEMS OR DEFICIENCIES MAY RESULT IN DELAYS. THE CONTRACTOR/BUILDER/DEVELOPER MUST CONTACT MTE CONSULTANTS INC. 48-HRS IN ADVANCE TO SCHEDULE THE OCCUPANCY INSPECTION ONLY AFTER ALL LISTED REQUIREMENTS ARE FULLY COMPLETED AND/OR PROVIDED. FAILURE TO COMPLY MAY RESULT IN ADDED INSPECTIONS, FEES, AND DELAYS. ADDITIONAL REQUIREMENTS MAY BE IMPOSED BASED ON SITE-SPECIFIC CONDITIONS AND LOCAL REQUIREMENTS.

☐ **SANITARY SERVICES/SEWERS**

- ☐ MANHOLE AND CLEANOUT LIDS ARE ACCESSIBLE AND FREE OF DEBRIS
- ☐ ALL BENCHING AND PARGING ARE COMPLETED IN ACCORDANCE WITH OPSD 701.021 AND ARE CLEAN AND FREE OF DEBRIS
- SANITARY SERVICES AND SEWERS HAVE BEEN FLUSHED, ARE FREE OF DEBRIS, AIR TESTED IN ACCORDANCE WITH OPSS 410, INSPECTED VIA CCTV IN ACCORDANCE WITH OPSS 409 AND MANDREL TESTING COMPLETED ON ALL FLEXIBLE PIPE. ALL TESTING AND CCTV DOCUMENTATION HAS BEEN SUBMITTED TO THE DESIGN ENGINEER

☐ **STORM SERVICES/SEWERS**

- MANHOLE, CATCHBASIN, CATCHBASIN MANHOLE, AREA DRAIN AND CLEANOUT
- ☐ GRATES/LIDS ARE ACCESSIBLE AND FREE OF DEBRIS
- ☐ ALL BENCHING AND PARGING ARE COMPLETED IN ACCORDANCE WITH OPSD 701.021 AND ARE CLEAN AND FREE OF DEBRIS
- ☐ ALL SUMPS ARE CLEAN AND FREE OF DEBRIS
- STORM SERVICES AND SEWERS HAVE BEEN FLUSHED, ARE FREE OF DEBRIS, AIR TESTED IN ACCORDANCE WITH OPSS 410, INSPECTED VIA CCTV IN ACCORDANCE WITH OPSS 409 AND MANDREL TESTING COMPLETED ON ALL FLEXIBLE PIPE. ALL TESTING AND CCTV DOCUMENTATION HAS BEEN SUBMITTED TO THE DESIGN
- ☐ ENGINEER
- SWM CONTROLS INCLUDING HYDROVEX, FLOW CONTROL ROOF DRAINS, OGS UNITS, INFILTRATION GALLERIES, TANKS, ETC. HAVE BEEN INSTALLED IN ACCORDANCE WITH THE DESIGN DRAWINGS

☐ **WATER SERVICES/WATERMAINS**

- ALL WATERMAIN TESTING INCLUDING PRESSURE TESTING, CHLORINATION, BACTERIOLOGICAL SAMPLING, AND OFFER TO CONNECT DOCUMENTATION HAS
- ☐ BEEN COMPLETED AND SUBMITTED TO THE DESIGN ENGINEER
- ALL CURB STOPS AND VALVES ARE ACCESSIBLE AND OPERATIONAL
- ☐ FIRE DEPARTMENT CONNECTION IS INSTALLED, ACCESSIBLE AND WITHIN 45 METRES OF A FIRE HYDRANT

PEDESTRIAN SAFETY

- ☐ BARRIER FREE PATHS OF TRAVEL ARE INSTALLED AND FREE OF DEBRIS, INCLUDING PARKING STALLS, WALKWAYS AND DOORS ARE ACCESSIBLE
- ☐ ANY ZONES STILL UNDER CONSTRUCTION, INCLUDING MATERIAL AND EQUIPMENT STORAGE AREAS, ARE FULLY FENCED OFF AND INACCESSIBLE TO THE PUBLIC
- ☐ ALL GUARDS AND RAILINGS ON RETAINING WALLS, HEADWALLS, RAMPS, ETC. ARE INSTALLED

OFF-SITE WORKS INITIAL ACCEPTANCE CHECKLIST

IN ACCORDANCE WITH THE CITY OF KITCHENER'S OFF-SITE WORKS BY PRIVATE CONTRACTORS PROCEDURE, THE FOLLOWING DOCUMENTATION MUST BE PROVIDED TO MTE CONSULTANTS INC. MTE CONSULTANTS INC. WILL COMPILE AND SUBMIT THE INITIAL ACCEPTANCE PACKAGE TO THE CITY FOR APPROVAL. FAILURE TO PROVIDE ANY OF THE FOLLOWING DOCUMENTS MAY RESULT IN ADDITIONAL POST CONSTRUCTION TESTING OR EXPOSURE OF WORK, ALL AT CONTRACTOR'S COST.

SANITARY AND STORM SERVICES/SEWERS

- ☐ BACKFILL MATERIAL/PIPE BEDDING COMPACTION TESTING
- ☐ PHOTO LOG OF INSTALLATION
- ☐ LEAKAGE/INFILTRATION TESTING
- ☐ CCTV
- ☐ MANDREL TESTING (PVC)

WATER SERVICES/WATERMAIN

- ☐ BACKFILL MATERIAL/PIPE BEDDING COMPACTION TESTING
- ☐ TRACER WIRE - CONDUCTIVITY TEST
- ☐ PHOTO LOG OF INSTALLATION

SURFACE WORKS

- ☐ SUBGRADE - GEOTECHNICAL CERTIFICATION
- ☐ GRANULAR 'B' MATERIAL COMPACTION TESTING
- ☐ GRANULAR 'A' MATERIAL COMPACTION TESTING
- ☐ ASPHALT (BASE/SURFACE) COMPACTION TESTING
- ☐ ASPHALT MIX DESIGNS (BASE/SURFACE)
- ☐ ASPHALT TICKETS (SURFACE ASPHALT MUST BE VIRGIN)
- ☐ FULL MARSHALL TEST RESULTS (75 TONNES)
- ☐ CONCRETE TICKETS
- ☐ CONCRETE MIX DESIGNS (WHERE LENGTH 50 LINEAR METRES)
- ☐ CONCRETE AIR/SLUMP/STRENGTH TESTING (WHERE LENGTH 50 LINEAR METRES)

NOTE: PRIOR TO CONSTRUCTION AND ANY FIELD WORK, CONTRACTOR SHALL PREPARE A DETAILED PHASING PLAN & CONSTRUCTION SCHEDULE TO THE SATISFACTION OF THE WCDSB REPRESENTATIVE AND CONSULTANT TEAM. THE PHASING PLAN MUST TAKE INTO ACCOUNT CONSTRUCTION TIMELINES, OWNER/SCHOOL OPERATIONS AND CONSTRAINTS IN ORDER TO ACCOMMODATE THE CONTINUED USE OF THE SITE AND TO PROTECT OCCUPANTS AND PROPERTY. NO WORK MAY COMMENCE ON-SITE UNTIL APPROVAL OF THE PHASING PLAN AND CONSTRUCTION SCHEDULE IS PROVIDED BY THE WCDSB REPRESENTATIVE.

NOTE: ALL WORKS WITHIN THE MUNICIPAL RIGHT-OF-WAY TO BE COMPLETED BY OWNER'S CONTRACTOR AS PER THE CITY OF KITCHENER PROCEDURES FOR OFFSITE WORKS BY CONTRACTORS. OWNER'S CONTRACTOR TO NOTE THAT THE CITY OF KITCHENER DOES ACCEPT RECYCLED ASPHALT UP TO 15% (RAP) IN HL3 USED FOR ROAD PATCHES.

NOTE: PRIOR TO CONSTRUCTION AND STRUCTURE ORDERING, CONTRACTOR TO VERIFY CONDITION, DEPTH AND LOCATION OF EXISTING SERVICES AND NOTIFY DESIGN ENGINEER FOR ANY DISCREPANCIES.

I hereby certify that this Site Grading, Servicing and Storm Water Management Plan conforms to the Landscape Plans for this project.

*Signature of the Professional Consultant(s) for Site Grading, Drainage and Siltation Control, and Storm Water Management:

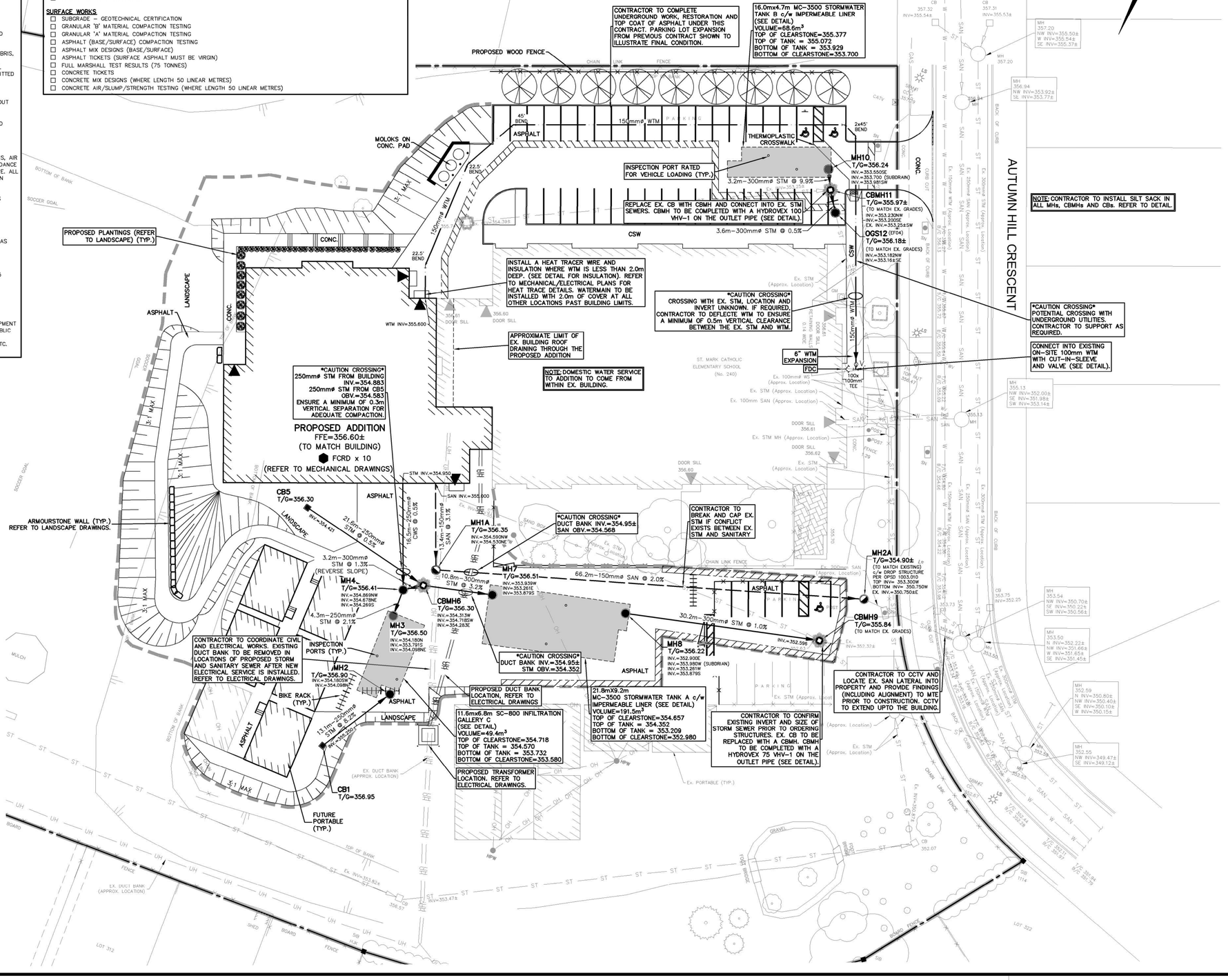
Signature: _____

Date: January 28, 2026

*Signature of Landscape Architect:

Signature: _____

Date: January 28, 2026


PROPOSED WOOD FENCE
CHAIN LINK FENCE
CONTRACTOR TO COMPLETE UNDERGROUND WORK, RESTORATION AND TOP COAT OF ASPHALT UNDER THIS CONTRACT. PARKING LOT EXPANSION FROM PREVIOUS CONTRACT SHOWN TO ILLUSTRATE FINAL CONDITION.
16.0mx4.7m MC-3500 STORMWATER TANK B c/w IMPERMEABLE LINER (SEE DETAIL)
VOLUME=68.6m³
TOP OF CLEARSTONE=355.377
TOP OF TANK = 355.072
BOTTOM OF TANK = 353.929
BOTTOM OF CLEARSTONE=353.700
MOLOKS ON CONC. PAD
45° BEND
150mmø WTM
ASPHALT
PARKING
THERMOPLASTIC CROSSWALK
2x45° BEND
INSPECTION PORT RATED FOR VEHICLE LOADING (TYP.)
3.2m-300mmø STM @ 9.9%
MH10
T/G=356.24
INV.=353.555SE
INV.=353.700 (SUBDRAIN)
INV.=353.981SW
REPLACE EX. CB WITH CBMH AND CONNECT INTO EX. STM SEWERS. CBMH TO BE COMPLETED WITH A HYDROVEX 100 VHV-1 ON THE OUTLET PIPE (SEE DETAIL).
CBMH11
T/G=355.97±
(TO MATCH EX. GRADES)
INV.=353.230W
INV.=353.200SE
EX. INV.=353.25±SW
OGS12 (EF04)
T/G=356.18±
(TO MATCH EX. GRADES)
INV.=353.182NW
INV.=353.18±SE
CSW
3.6m-300mmø STM @ 0.5%
PROPOSED PLANTINGS (REFER TO LANDSCAPE) (TYP.)
CONC.
22.5° BEND
5:1 MAX
150mmø WTM
LANDSCAPE
ASPHALT
INSTALL A HEAT TRACER WIRE AND INSULATION WHERE WTM IS LESS THAN 2.0m DEEP. (SEE DETAIL FOR INSULATION). REFER TO MECHANICAL/ELECTRICAL PLANS FOR HEAT TRACE DETAILS. WATERMAIN TO BE INSTALLED WITH 2.0m OF COVER AT ALL OTHER LOCATIONS PAST BUILDING LIMITS.
CAUTION CROSSING CROSSING WITH EX. STM, LOCATION AND INVERT UNKNOWN. IF REQUIRED, CONTRACTOR TO DEFLECTE WTM TO ENSURE A MINIMUM OF 0.5m VERTICAL CLEARANCE BETWEEN THE EX. STM AND WTM.
WTM INV=355.600
APPROXIMATE LIMIT OF EX. BUILDING ROOF DRAINING THROUGH THE PROPOSED ADDITION
NOTE: DOMESTIC WATER SERVICE TO ADDITION TO COME FROM WITHIN EX. BUILDING.
CAUTION CROSSING
250mmø STM FROM BUILDING
INV.=354.883
250mmø STM FROM CB5
OBV.=354.583
ENSURE A MINIMUM OF 0.3m VERTICAL SEPARATION FOR ADEQUATE COMPACTION.
PROPOSED ADDITION
FFE=356.60±
(TO MATCH BUILDING)
FCRD x 10
(REFER TO MECHANICAL DRAWINGS)
STM INV.=354.990
SAN INV.=355.000
CB5
T/G=356.30
INV=354.421
21.6m-250mmø STM @ 0.5%
16.5m-250mmø ONS @ 1.0%
13.4m-150mmø SAN @ 3.1%
MH1A
T/G=356.35
INV.=354.590NW
INV.=354.530NE
CAUTION CROSSING
DUCT BANK INV.=354.95±
SAN OBV.=354.568
CONTRACTOR TO BREAK AND CAP EX. STM IF CONFLICT EXISTS BETWEEN EX. STM AND SANITARY
ARMOURSTONE WALL (TYP.) REFER TO LANDSCAPE DRAWINGS.
3.2m-300mmø STM @ 1.3% (REVERSE SLOPE)
MH4
T/G=356.41
INV.=354.869NW
INV.=354.678NE
INV.=354.269S
10.8m-300mmø STM @ 3.2%
MH7
T/G=356.51
INV.=353.939W
INV.=353.261E
INV.=353.879S
66.2m-150mmø SAN @ 2.0%
MH2A
T/G=354.90±
(TO MATCH EXISTING)
c/w DROP STRUCTURE PER OPSD 1003.010
TOP INV= 353.300W
BOTTOM INV= 350.750W
EX. INV.=350.750±E
CBMH6
T/G=356.30
INV.=354.313W
INV.=354.718SW
INV.=354.283E
4.3m-250mmø STM @ 2.1%
MH3
T/G=356.50
INV.=354.180N
INV.=353.791S
INV.=354.098NE
INSPECTION PORTS (TYP.)
CONTRACTOR TO COORDINATE CIVIL AND ELECTRICAL WORKS. EXISTING DUCT BANK TO BE REMOVED IN LOCATIONS OF PROPOSED STORM AND SANITARY SEWER AFTER NEW ELECTRICAL SERVICE IS INSTALLED. REFER TO ELECTRICAL DRAWINGS.
CAUTION CROSSING
DUCT BANK INV.=354.95±
STM OBV.=354.352
MH8
T/G=356.22
INV.=352.900E
INV.=353.980W (SUBDRAIN)
INV.=353.261W
INV.=353.879S
CBMH9
T/G=355.84
(TO MATCH EX. GRADES)
CONTRACTOR TO CCTV AND LOCATE EX. SAN LATERAL INTO PROPERTY AND PROVIDE FINDINGS (INCLUDING ALIGNMENT) TO MTE PRIOR TO CONSTRUCTION. CCTV TO EXTEND UPTO THE BUILDING.
BIKE RACK (TYP.)
MH2
T/G=356.90
INV.=354.182SW
INV.=354.098N
13.1m-250mmø STM @ 6.2%
INV.=355.260S
PROPOSED DUCT BANK LOCATION, REFER TO ELECTRICAL DRAWINGS
11.6mx6.8m SC-800 INFILTRATION GALLERY C
(SEE DETAIL)
VOLUME=49.4m³
TOP OF CLEARSTONE=354.718
TOP OF TANK = 354.570
BOTTOM OF TANK = 353.732
BOTTOM OF CLEARSTONE=353.580
21.8mX9.2m
MC-3500 STORMWATER TANK A c/w IMPERMEABLE LINER (SEE DETAIL)
VOLUME=191.5m³
TOP OF CLEARSTONE=354.657
TOP OF TANK = 354.352
BOTTOM OF TANK = 353.209
BOTTOM OF CLEARSTONE=352.980
CONTRACTOR TO CONFIRM EXISTING INVERT AND SIZE OF STORM SEWER PRIOR TO ORDERING STRUCTURES. EX. CB TO BE REPLACED WITH A CBMH. CBMH TO BE COMPLETED WITH A HYDROVEX 75 VHV-1 ON THE OUTLET PIPE (SEE DETAIL).
PROPOSED TRANSFORMER LOCATION. REFER TO ELECTRICAL DRAWINGS.
CB1
T/G=356.95
FUTURE PORTABLE (TYP.)
AUTUMN HILL CRESCENT
NOTE: CONTRACTOR TO INSTALL SILT SACK IN ALL MHs, CBMHs AND CBs. REFER TO DETAIL.
CAUTION CROSSING POTENTIAL CROSSING WITH UNDERGROUND UTILITIES. CONTRACTOR TO SUPPORT AS REQUIRED.
CONNECT INTO EXISTING ON-SITE 100mm WTM WITH CUT-IN-SLEEVE AND VALVE (SEE DETAIL).
6" WTM EXPANSION
FDC
100x100mm TEE
ST. MARK CATHOLIC ELEMENTARY SCHOOL (No. 240)
Ex. STM (Approx. Location)
Ex. 100mm WTM (Approx. Location)
Ex. 100mm SAN (Approx. Location)
Ex. STM MH (Approx. Location)
Ex. STM (Approx. Location)
Ex. 300mm SAN (Approx. Location)
Ex. 250mm STM (Approx. Location)
Ex. 300mm STM (Approx. Location)
Ex. 250mm WTM (Approx. Location)
Ex. 250mm SAN (Approx. Location)
Ex. 300mm WTM (Approx. Location)
Ex. 200mm SAN (Approx. Location)
Ex. 200mm WTM (Approx. Location)
Ex. 150mm WTM (Approx. Location)
Ex. 150mm SAN (Approx. Location)
Ex. 200mm STM (Approx. Location)
Ex. 150mm STM (Approx. Location)
Ex. 200mm SAN (Approx. Location)
Ex. 150mm SAN (Approx. Location)
Ex. 200mm WTM (Approx. Location)
Ex. 150mm WTM (Approx. Location)
Ex. 300mm STM (Approx. Location)
Ex. 250mm STM (Approx. Location)
Ex. 300mm SAN (Approx. Location)
Ex. 250mm SAN (Approx. Location)
Ex. 300mm WTM (Approx. Location)
Ex. 250mm WT

CONSTRUCTION NOTES AND SPECIFICATIONS

1. GENERAL

1.1. THESE PLANS ARE NOT FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY ENGINEER AND APPROVED BY THE CITY OF KITCHENER.

1.2. THESE PLANS ARE TO BE USED FOR SERVICING AND GRADING ONLY; ANY OTHER INFORMATION SHOWN IS FOR ILLUSTRATION PURPOSES ONLY. THIS PLAN MUST NOT BE USED TO SITE THE PROPOSED BUILDING.

1.3. NO CHANGES ARE TO BE MADE WITHOUT THE APPROVAL OF THE DESIGN ENGINEER.

1.4. THESE PLANS ARE NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE PERMISSION OF MTE CONSULTANTS INC.

1.5. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST:

1.5.1. CHECK AND VERIFY ALL EXISTING CONDITIONS, LOCATIONS AND ELEVATIONS WHICH INCLUDES BUT IS NOT LIMITED TO THE BENCHMARK ELEVATIONS, EXISTING SERVICE CONNECTIONS AND EXISTING INVERTS. REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO PROCEEDING.

1.5.2. OBTAIN ALL UTILITY LOCATES AND REQUIRED PERMITS AND LICENSES.

1.5.3. VERIFY THAT THE FINISHED FLOOR ELEVATIONS AND BASEMENT FLOOR ELEVATIONS (WHICH MAY APPEAR ON THIS PLAN) COMPLY WITH THE FINAL ARCHITECTURAL DRAWINGS.

1.5.4. CONFIRM ALL DRAWINGS USED FOR CONSTRUCTION ARE OF THE MOST RECENT REVISION.

1.6. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO EXISTING WORKS. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL DAMAGED AND/OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO CITY OF KITCHENER STANDARDS

1.7. ALL WORKS ON A MUNICIPAL RIGHT-OF-WAY WITH THE EXCEPTION OF WATERMAIN TAPPING, TO BE INSTALLED BY THE OWNER'S CONTRACTOR AT OWNER'S EXPENSE IN ACCORDANCE WITH THE CITY OF KITCHENER'S "PROCEDURE FOR OFF-SITE WORKS BY PRIVATE CONTRACTOR". THE OWNER AND CONTRACTOR ARE TO ENSURE OFF-SITE WORKS PERMIT IS IN PLACE PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL AFFECTED PROPERTY TO ORIGINAL CONDITION. ALL BOULEVARD AREAS SHALL BE RESTORED WITH 150mm TOPSOIL AND SOD.

1.8. ALL UNDERGROUND SERVICES ARE TO BE CONSTRUCTED IN FULL COMPLIANCE WITH THE ONTARIO PROVINCIAL BUILDING CODE (PART 7, PLUMBING), THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS (OPSS) AND THE REQUIREMENTS OF THE CITY OF KITCHENER AND THE REGIONAL MUNICIPALITY OF WATERLOO, WHICH CODES AND REGULATIONS SHALL SUPERSEDE ALL OTHERS.

1.9. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION. ENGINEER TO DETERMINE DEGREE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE, DIVISION C, PART 1, SECTION 1.2.2. GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.

1.10. SANITARY AND STORM SEWERS AND SERVICES TO HAVE A MINIMUM 1.4m COVER TO TOP OF PIPE, WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW BURIED PIPE IN ACCORDANCE WITH APPLICABLE "SEWER PIPE INSULATION DETAIL" INDICATED IN DRAWING DETAILS. CONTACT DESIGN ENGINEER FOR "SEWER PIPE INSULATION DETAIL" IF REQUIRED.

1.11. FLEXIBLE SANITARY AND STORM SEWERS SHALL BE CONNECTED TO MANHOLES USING KOR-N-SEAL BOOTS OR APPROVED EQUIVALENT. RIGID SANITARY AND STORM SEWER CONNECTIONS TO MANHOLES SHALL BE GROUTED IN PLACE. ALL CONNECTIONS TO MANHOLES SHALL BE IN ACCORDANCE WITH OPSS 407. ANY CONNECTIONS TO CATCHBASINS SHALL BE GROUTED IN PLACE.

1.12. PLAN TO BE READ IN CONJUNCTION WITH MTE DRAWING C1.1, C2.1, C2.2, C2.3, C2.4, C2.5 AND THE SWM REPORT.

1.13. SITE PLAN INFORMATION TAKEN FROM PLAN PREPARED BY G ARCHITECTS DATED JANUARY 7, 2026.

1.14. EXISTING TOPOGRAPHIC AND LEGAL INFORMATION TAKEN FROM PLAN PREPARED BY VAN HARTEN, DATED APRIL 11, 2025. MTE ASSUMES THAT ALL TOPOGRAPHICAL INFORMATION IS AN ACCURATE REPRESENTATION OF CURRENT CONDITIONS

1.15. CONTRACTOR TO OBTAIN WRITTEN PERMISSION FROM ADJACENT PROPERTY OWNER PRIOR TO ENTERING UPON NEIGHBOURING LANDS TO UNDERTAKE ANY WORK. COPIES OF THESE LETTERS OF CONSENT SHALL BE SUBMITTED TO THE DEVELOPMENT ENGINEERING DIVISION FOR APPROVAL PRIOR TO ANY WORK BEING PERFORMED. FAILURE TO COMPLY WITH THE ABOVE IS AT CONTRACTOR'S OWN RISK.

1.16. SITE SERVICING CONTRACTOR TO TERMINATE ALL SERVICES 1 METRE FROM FOUNDATION WALL.

1.17. FILTER FABRIC TO BE TERRAFIX 270R OR APPROVED EQUAL.

1.18. MAXIMUM GRASSED SLOPE TO BE 3:1. SLOPES GREATER THAN 3:1 TO BE LANDSCAPED WITH LOW MAINTENANCE GROUND COVER.

1.19. SIDE SLOPES OF ALL STOCKPILES OR EXTRACTION FACES TO BE MAINTAINED AT 70 DEGREES OR LESS BETWEEN EARLY APRIL AND LATE AUGUST TO DETER BANK SWALLOWS FROM NESTING.

1.20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNALS, DELINEATORS, MARKERS, AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS OF THE CITY OF KITCHENER AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

1.21. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, 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.

1.22. CONTRACTOR TO MAINTAIN A 'CONFINED TRENCH CONDITION' IN ALL SEWER AND SERVICE TRENCHES.

1.23. FOLLOWING COMPLETION OF PROPOSED WORKS AND PRIOR TO OCCUPANCY INSPECTION, ALL STORM AND SANITARY SEWERS ARE TO BE FLUSHED, AND ALL CATCHBASIN AND CATCHBASIN MANHOLE SUMPS ARE TO BE CLEANED OF DEBRIS AND SILT.

1.24. CONTRACTOR TO COMPLY WITH O.REG. 406/19 FOR MANAGEMENT OF EXCESS SOILS AS APPLICABLE.

1.25. CONTRACTOR TO VERIFY ALL ALTERNATIVE FITTINGS AND MATERIALS NOT SPECIFIED IN THESE NOTES WITH ENGINEER AND CITY OF KITCHENER INSPECTOR PRIOR TO INSTALLATION.

2. STORM SEWERS

2.1. PIPE BEDDING FOR RIGID PIPE TO BE CLASS "B" AS PER OPSD 802.030, 802.031, OR 802.032. PIPE BEDDING FOR FLEXIBLE PIPE TO BE AS PER OPSD 802.010, BEDDING MATERIAL AND COVER MATERIAL TO BE GRANULAR "A". TRENCH BACKFILL TO BE NATIVE MATERIAL REPLACED IN 300mm LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.

2.2. STORM SEWERS 200mmø TO 375mmø SHALL BE POLYVINYL CHLORIDE (PVC) PIPE DR35 ASTM-D3034 OR RIBBED PVC SEWER PIPE CSA B182.4-M90 ASTM-F794 WITH INTEGRAL BELL AND SPIGOT UTILIZING FLEXIBLE ELASTOMERIC SEALS. RIBBED PVC NOT TO BE USED WITHIN RIGHT-OF-WAY.

2.3. MANHOLES AND MANHOLE CATCHBASINS TO BE 1200mmø PRECAST WITH ALUMINUM STEPS AT 300mm CENTRES AS PER OPSD 701.010 UNLESS OTHERWISE SPECIFIED.

2.4. CATCHBASINS TO BE 600mm SQUARE PRECAST AS PER OPSD 705.010.

2.5. ALL STORM STRUCTURE TO HAVE A MINIMUM 600mm DEEP SUMP.

2.6. MANHOLE AND CATCHBASIN, FRAMES, GRATES, CASTINGS AND LIDS TO BE QUALITY GREY IRON ASTM A48 CLASS 30B.

2.7. STORM MANHOLE LIDS TO BE PER OPSD 401.010 – TYPE 'A' CATCHBASIN AND CATCHBASIN MANHOLE GRATES TO BE PER OPSD 400.100.

2.8. ADJUSTMENT UNITS FOR STORM STRUCTURES TO BE IN ACCORDANCE WITH OPSD 704.010 OR 704.011.

2.9. STORM SEWERS AND SERVICES TO HAVE MINIMUM 1.4m COVER TO TOP OF PIPE. WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW BURIED SEWER PIPE IN ACCORDANCE WITH APPLICABLE "SEWER PIPE INSULATION DETAIL" INDICATED IN DRAWING DETAILS. INSULATION SHALL BE RIGID EXTRUDED POLYSTYRENE (EPS) BOARD, WITH A THICKNESS SUFFICIENT TO PROVIDE AN RSI-1.76 (R10) INSULATING FACTOR (TYPICALLY 50-65mm). INSULATION BOARD WIDTH SHALL BE 1.8m FOR UP TO 200mm NOMINAL PIPE DIAMETER, 2.4m FOR 201mm-800mm DIAMETER AND 3.0m FOR 801mm-1400mm. ALL JOINTS SHALL BE TIGHTLY BUTTED TOGETHER (TAPE OR OTHERWISE SECURE JOINTS TO RESIST MOVEMENT DURING BACKFILL COVER). RIGID EPS BOARD SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 140kPa (20psi), AND A MAXIMUM WATER ABSORPTION RATE OF 2.0% BY VOLUME. ACCEPTABLE PRODUCTS ARE DOW STYROFOAM-SM OR -HI (FULL LINE), OWENS CORNING FOAMULAR (250, 250, OR HIGHER), PLASTISPAN HD-M28 OR OTHER ENGINEER-APPROVED EQUIVALENT.

2.10. UNDER NO CIRCUMSTANCES SHALL THE BUILDING FOUNDATION DRAINS BE CONNECTED DIRECTLY TO THE STORM SEWER SYSTEM.

2.11. ALL WEEPING TILE DRAINAGE TO BE PUMPED TO THE STORM SEWER SYSTEM.

3. SANITARY SEWERS

3.1. PIPE BEDDING FOR RIGID PIPE TO BE CLASS "B" AS PER OPSD 802.030. PIPE BEDDING FOR FLEXIBLE PIPE TO BE AS PER OPSD 802.010. BEDDING MATERIAL AND COVER MATERIAL TO BE GRANULAR "A". TRENCH BACKFILL TO BE NATIVE MATERIAL REPLACED IN 300mm LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.

3.2. SANITARY SEWERS 150mmø AND SMALLER SHALL BE POLYVINYL CHLORIDE (PVC) PIPE DR28 ASTM-D3034 WITH INTEGRAL BELL AND SPIGOT UTILIZING FLEXIBLE ELASTOMERIC SEALS.

3.3. MANHOLES TO BE 1200mmø PRECAST WITH ALUMINIUM STEPS AT 300mm CENTRES AS PER OPSD 701.010 UNLESS OTHERWISE SPECIFIED.

3.4. MANHOLES TO BE BENCHED PER OPSD 701.021.

3.5. SANITARY MANHOLE LIDS TO BE PER OPSD 401.010 –TYPE 'A'. SANITARY MANHOLE LIDS TO BE WATER TIGHT PER OPSD 401.030 WHEN LOCATED IN SWM PONDING AREA.

3.6. MANHOLE FRAMES, CASTINGS AND LIDS TO BE QUALITY GREY IRON ASTM A48 CLASS 30B.

3.7. ADJUSTMENT UNITS FOR SANITARY STRUCTURES TO BE IN ACCORDANCE WITH OPSD 704.010 OR 704.011.

3.8. SANITARY SEWERS AND SERVICES TO HAVE MINIMUM 1.4m COVER ON TOP OF PIPE. WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW BURIED PIPE IN ACCORDANCE WITH APPLICABLE "SEWER PIPE INSULATION DETAIL" INDICATED IN DRAWING DETAILS. INSULATION SHALL BE RIGID EXTRUDED POLYSTYRENE (EPS) BOARD, WITH A THICKNESS SUFFICIENT TO PROVIDE AN RSI-1.76 (R10) INSULATING FACTOR (TYPICALLY 50-65mm). INSULATION BOARD WIDTH SHALL BE 1.8m FOR UP TO 200mm NOMINAL PIPE DIAMETER, 2.4m FOR 201mm-800mm DIAMETER AND 3.0m FOR 801mm-1400mm. ALL JOINTS SHALL BE TIGHTLY BUTTED TOGETHER (TAPE OR OTHERWISE SECURE JOINTS TO RESIST MOVEMENT DURING BACKFILL PLACEMENT). RIGID EPS BOARD SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 140kPa (20psi), AND A MAXIMUM WATER ABSORPTION RATE OF 2.0% BY VOLUME. ACCEPTABLE PRODUCTS ARE DOW STYROFOAM-SM OR -HI (FULL LINE), OWENS CORNING FOAMULAR (250, 250, OR HIGHER), PLASTISPAN HD-M28 OR OTHER ENGINEER-APPROVED EQUIVALENT.

3.9. CONTRACTOR RESPONSIBLE FOR TESTING OF SANITARY SEWERS IN ACCORDANCE WITH OPSS 409.

4. WATERMAINS

4.1. PIPE BEDDING FOR RIGID PIPE TO BE CLASS "B" AS PER OPSD 802.030. PIPE BEDDING FOR FLEXIBLE PIPE TO BE AS PER OPSD 802.010. BEDDING MATERIAL AND COVER MATERIAL TO BE GRANULAR "A". TRENCH BACKFILL TO BE NATIVE MATERIAL REPLACED IN 300MM LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.

4.2. WATERMAINS 100MMø AND LARGER SHALL BE PVC C900 CLASS 235 OR GREY OR DUCTILE IRON INSTALLED WITH MINIMUM 2.0 METRES OF COVER. FITTINGS 100MMø AND LARGER SHALL BE PVC CLASS 235 (DR18) CSA B137.3 OR GREY OR DUCTILE IRON CONFORMING TO AWWA C110/A21.10 OR COMPACT DUCTILE IRON CONFORMING TO AWWA C153/A21.53.

4.3. WATERMAIN FITTINGS TO BE SUPPLIED WITH MECHANICAL JOINT RESTRAINTS. FOR WATERMAIN PIPE SIZES 150MMø OR LESS ALL PIPE JOINTS TO BE RESTRAINED WITHIN 5.0M FROM ALL FITTINGS, IN EACH DIRECTION, UNLESS SHOWN OTHERWISE ON THE CONTRACT DRAWINGS. FOR WATERMAIN PIPE SIZES GREATER THAN 150MMø ALL PIPE JOINTS TO BE RESTRAINED WITHIN 10.0M FROM ALL FITTINGS, IN EACH DIRECTION, UNLESS SHOWN OTHERWISE ON THE CONTRACT DRAWINGS. ALL TEES TO HAVE MINIMUM 2.0M SOLID PIPE LENGTH ON EACH RUN OF THE TEE, OR PROVIDE A THRUST BLOCK PER OPSD 1103.010.

4.4. ALL METALLIC FITTINGS (EXCLUDING CURB/MAIN STOP AND BRASS FITTINGS) AND APPURTENANCES INCLUDING SADDLES, VALVES, TEES, BENDS ETC ARE TO BE WRAPPED WITH AN APPROVED PETROLATUM SYSTEM CONSISTING OF PASTE, MASTIC AND TAPE. PARTICULAR ATTENTION SHALL BE PAID TO ANODE INSTALLATION. CONTRACTOR TO REFER TO THE MOST RECENT EDITION OF THE LOCAL MUNICIPALITY AND AREA MUNICIPALITIES DESIGN GUIDELINES AND SUPPLEMENTAL SPECIFICATIONS FOR MUNICIPAL SERVICES.

4.5. WATERMAIN VALVES 100MMø AND LARGER SHALL BE AS PER AWWA C509 – MUELLER A2360-23 OR APPROVED EQUIVALENT (OPEN LEFT), INCLUDING VALVE BOX AND 2.2KG ANODE INCLUDING ANODE PROTECTION INSTALLED PER LOCAL MUNICIPALITY STANDARDS.

4.6. PVC WATERMAIN SHALL HAVE TWU STRANDED COPPER, AWGB TRACER WIRE STRAPPED TO TOP AT 5 METRE INTERVALS. TRACER WIRE SHALL BE BROUGHT TO THE SURFACE AT ALL HYDRANTS AND CAD WELDED TO THE LOWER FLANGE OF THE HYDRANT.

4.7. MAIN STOPS, CURB STOPS AND COUPLINGS SHALL BE AWWA C-800 COPPER TO COPPER FLANGED OR COMPRESSION CONNECTION OR APPROVED EQUIVALENT.

4.8. WATERMAINS AND SERVICES MAY BE PLACED IN THE SAME TRENCH WITH STORM OR SANITARY SEWERS OR SERVICES WITH LESS THAN 2.5M HORIZONTAL SEPARATION ONLY IF A MINIMUM VERTICAL SEPARATION OF 500MM IS MAINTAINED BETWEEN THE WATERMAIN OR SERVICE AND ANY OTHER PIPE AND THE WATERMAIN IS INSTALLED ABOVE THE STORM OR SANITARY SEWER IN ACCORDANCE WITH SECTION 7.3.5.6.(2)(A)(I) OF THE ONTARIO BUILDING CODE.

4.9. ALL WATERMAINS AND SERVICES TO HAVE MINIMUM 2.0M COVER ON TOP OF PIPE. WHERE COVER TO TOP OF PIPE IS DEFICIENT, CONTRACTOR SHALL INSTALL SHALLOW BURIED PIPE IN ACCORDANCE WITH APPLICABLE "WATER PIPE INSULATION DETAIL" INDICATED IN DRAWING DETAILS. INSULATION SHALL BE RIGID EXTRUDED POLYSTYRENE (EPS) BOARD, WITH A THICKNESS SUFFICIENT TO PROVIDE AN RSI-3.52 (R20) INSULATING FACTOR (TYPICALLY 100-130MM). INSULATION BOARD WIDTH SHALL BE 2.4M FOR UP TO 200MM NOMINAL PIPE DIAMETER, 3.0M FOR 201MM-305MM DIAMETER. INSULATION BOARD SHALL BE INSTALLED WITH MINIMUM2-LAYERS, OVERLAPPED MINIMUM 300MM AT ALL JOINTS. ALL JOINTS SHALL BE TIGHTLY BUTTED TOGETHER (TAPE OR OTHERWISE SECURE JOINTS TO RESIST MOVEMENT DURING BACKFILL PLACEMENT). RIGID EPS BOARD SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 140KPA (20PSI), AND A MAXIMUM WATER ABSORPTION RATE OF 2.0% BY VOLUME.ACCEPTABLE PRODUCTS ARE DOW STYROFOAM-SM OR -HI (FULL LINE), OWENS CORNING FOAMULAR (200, 250, OR HIGHER), PLASTISPAN HD-M28 OR OTHER ENGINEER-APPROVED EQUIVALENT.

4.10. ALL WATERMAIN TO BE PRESSURE TESTED IN ACCORDANCE WITH OPSS 441, DISINFECT ALL WATERMAIN IN ACCORDANCE WITH AWWA C 651-99 INCLUDING CHLORINATION, BACKFLOW PREVENTOR AND 24 HOUR DUPLICATE SAMPLING. ALL TESTING AND DISINFECTION TO BE COMPLETED UNDER THE SUPERVISION OF THE ENGINEER. **(CONTRACTOR TO SUBMIT WATER COMMISSIONING PLAN IN ACCORDANCE WITH DGSSMS. THIS PLAN MUST BE APPROVED BY THE LOCAL MUNICIPALITY PRIOR TO ANY WATERMAIN WORK).**

5. EROSION AND SEDIMENT CONTROL

5.1. CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS SHOWN PRIOR TO CONSTRUCTION AND MAINTAIN IN GOOD CONDITION UNTIL CONSTRUCTION IS COMPLETED AND ALL DISTURBED GROUND SURFACES HAVE BEEN RESTABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE COVER.

5.2. ALL SEDIMENT CONTROL FENCING TO BE INSTALLED PRIOR TO ANY AREA GRADING, EXCAVATING OR DEMOLITION COMMENCING.

5.3. EROSION CONTROL FENCING TO BE INSTALLED AROUND BASE OF ALL STOCKPILES. ALL STOCKPILES TO BE KEPT 2.5m MINIMUM FROM PROPERTY LINE AND 15m AWAY FROM ALL WATER COURSES.

5.4. EROSION PROTECTION TO BE PROVIDED AROUND ALL STORM AND SANITARY MHs AND CBs.

5.5. CONSTRUCTION ACCESS (MUD MAT) TO BE PROVIDED ON-SITE AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES EXIT THE SITE. CONSTRUCTION ACCESS (MUD MAT) SHALL BE A MINIMUM OF 3.0m WIDE, 15.0m LONG (LENGTH MAY VARY DEPENDING ON SITE LAYOUT) AND 0.3m DEEP AND SHALL CONSIST OF 200mm CLEAR STONE MATERIAL OR APPROVED EQUIVALENT. PROPOSED EROSION FENCING TO TIE INTO MUD MAT. CONTRACTOR TO ENSURE ALL VEHICLES LEAVE THE SITE VIA THE MUD MAT AND THAT THE MAT IS MAINTAINED IN A MANNER TO MAXIMIZE EFFECTIVENESS AT ALL TIMES.

5.6. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS SITE DEVELOPMENT PROGRESSES. CONTRACTOR TO PROVIDE ALL ADDITIONAL EROSION CONTROL STRUCTURES.

5.7. EROSION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN RESTABILIZED.

5.8. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE ENGINEER AND THE CITY OF KITCHENER'S DEVELOPMENT ENGINEERING DIVISION.

5.9. CONTRACTOR TO CLEAN ROADWAY AND SIDEWALKS OF SEDIMENTS RESULTING FROM CONSTRUCTION TRAFFIC FROM THE SITE EACH DAY.

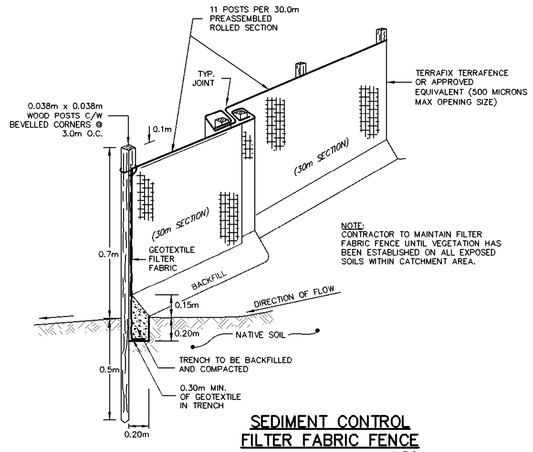
5.10. CONTRACTOR MUST REMOVE EROSION AND SEDIMENTATION FENCING PRIOR TO COMPLETION OF PROJECT. CONTRACTOR TO HAVE EROSION AND SEDIMENTATION FENCE INSPECTED WHEN VEGETATION HAS ESTABLISHED, BUT PRIOR TO FENCE BECOMING OVERGROWN. ENGINEER'S REPRESENTATIVE TO DETERMINE IF VEGETATION HAS REACHED THE CRITICAL POINT AND WILL THEN INSTRUCT CONTRACTOR TO REMOVE FENCE.

6. MAINTENANCE RECOMMENDATIONS

6.1. EROSION CONTROL STRUCTURES TO BE MONITORED REGULARLY AND ANY DAMAGE REPAIRED IMMEDIATELY. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF 1/3 THE HEIGHT OF THE FENCE.

6.2. OWNER'S REPRESENTATIVE TO MONITOR EROSION CONTROL STRUCTURES TO ENSURE FENCING IS INSTALLED AND MAINTENANCE IS PERFORMED TO CITY REQUIREMENTS.

6.3. THE PROPOSED STORMCEPTOR(STC) WILL REQUIRE REGULAR ANNUAL MAINTENANCE. OWNER TO ENTER INTO A MAINTENANCE AGREEMENT WITH A SUITABLE CONTRACTOR TO COMPLETE THIS WORK.



SEDIMENT CONTROL FILTER FABRIC FENCE

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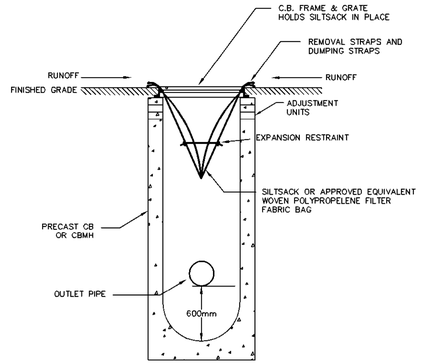

MAINTENANCE SCHEDULE

-INSPECT AFTER EVERY MAJOR RAIN EVENT.
-INSPECT EVERY 3 WEEKS MINIMUM.
-SILTSACK SHOULD NEVER BE OVER HALF FULL.
-FULL BAG CAN BE REMOVED, DUMPED, CLEANED AND REUSED (TO REMOVE INSERT 25mm REBAR INTO REMOVAL FLAP POCKETS) (TO DUMP INSERT 25mm REBAR INTO BOTH DUMPING STRAPS)

TEMPORARY SILTSACK SILTATION CONTROL IN CB

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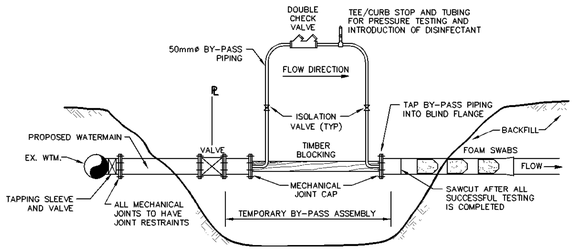
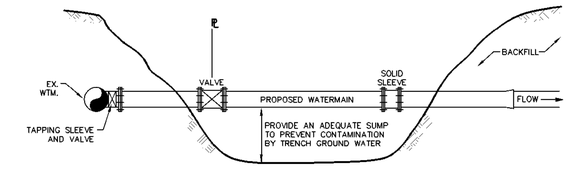


TEMPORARY CONNECTION



PERMANENT CONNECTION

TYPICAL NEW WATERMAIN CONNECTION DETAIL

N.T.S.

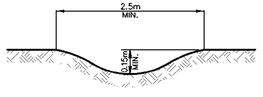
NOTES:

1. NEW WATERMAIN TO BE KEPT ISOLATED FROM THE ACTIVE DISTRIBUTION SYSTEM DURING CONSTRUCTION AND TESTING.
2. ALL PRESSURE/LEAKAGE TESTING, DISINFECTION, BACTERIOLOGICAL ANALYSIS AND FLUSHING TO BE SUCCESSFULLY COMPLETED AND ACCEPTED BY MUNICIPALITY PRIOR TO PERMANENT CONNECTION TO WATER DISTRIBUTION SYSTEM. REFER TO SPECIFICATIONS FOR TESTING REQUIREMENTS.
3. BY-PASS PIPING TO BE MINIMUM 50mm DIAMETER AND/OR NO LARGER THAN PERMANENT WATERMAIN.
4. BACKFLOW PREVENTER TO BE A DOUBLE CHECK VALVE OR REDUCED PRESSURE ZONE DEVICE.
5. ALL MECHANICAL JOINTS IN TEMPORARY AND PERMANENT CONNECTIONS TO INCLUDE MECHANICAL JOINT RESTRAINTS.
6. FOAM SWABS TO BE PLACED IN FIRST PIPE FOR SUBSEQUENT CLEANING OF MAINS.
7. PROVIDE ADEQUATE SUMP BELOW CONNECTION, AND PUMPING IF REQUIRED, TO PREVENT CONTAMINATION OF NEW WATERMAIN WITH TRENCH GROUND WATER OR ANY OTHER FOREIGN MATTER.
8. ALL PIPES AND FITTINGS INSTALLED AS PART OF THE FINAL CONNECTION MUST BE THOROUGHLY DISINFECTED PRIOR TO CONNECTION TO THE SYSTEM.
9. AFTER FINAL FLUSHING, AND BEFORE THE WATERMAIN IS APPROVED FOR CONNECTION OF THE NEW MAIN TO THE EXISTING WATER SYSTEM, TWO CONSECUTIVE SETS OF WATER SAMPLES, TAKEN AT LEAST 24 HOURS APART, SHALL BE COLLECTED, EVERY 350 m, PLUS FROM THE END OF THE LINE FROM EACH BRANCH. CERTIFIED MUNICIPAL STAFF OR TRAINED DESIGNATE ONLY
10. (O.Reg.459/00) SHALL COLLECT FOR BACTERIOLOGICAL SAMPLES.

PAVEMENT STRUCTURE

MATERIAL		HEAVY TRAFFIC
ASPHALTIC CONCRETE	HL3	40mm
	HL8	70mm
GRANULAR 'A' BASE		150mm
GRANULAR 'B' SUBBASE		350mm

BASED ON GEOTECHNICAL INVESTIGATION PREPARED BY: CVD, AUGUST 12, 2025



TYPICAL DRAINAGE SWALE

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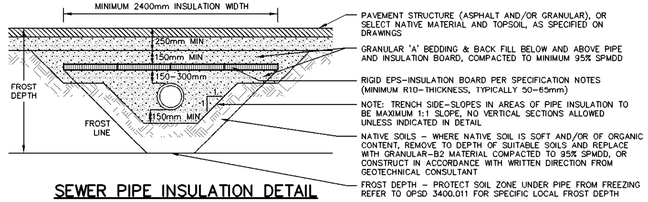

SEWER PIPE INSULATION DETAIL

FOR SEWER PIPES HAVING LESS THAN 1400mm COVER AND MINIMUM 615mm COVER

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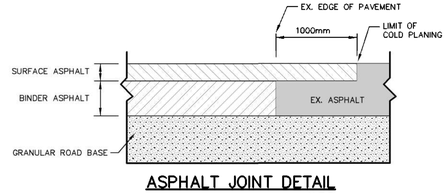
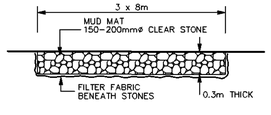


ASPHALT JOINT DETAIL

N.T.S.

DESIGNATED ACCESS FOR ALL CONSTRUCTION TRAFFIC.

INSTALL 'MUD MAT', AS PER DETAIL BELOW, PRIOR TO ANY OTHER CONSTRUCTION. MAT TO BE MAINTAINED IN GOOD WORKING ORDER UNTIL GRADING WORKS ARE COMPLETED AND GRANULAR "A" & "B" HAVE BEEN PLACED.



CONSTRUCTION ACCESS DETAIL

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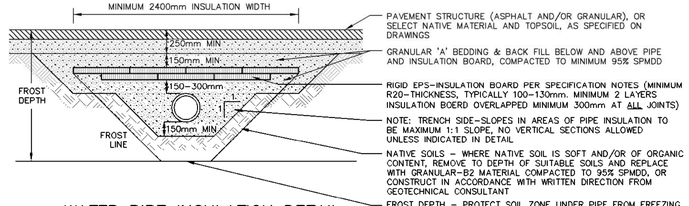

MINIMUM 2400mm INSULATION WIDTH
PAVEMENT STRUCTURE (ASPHALT AND/OR GRANULAR), OR SELECT NATIVE MATERIAL AND TOPSOIL, AS SPECIFIED ON DRAWINGS
250mm MIN
GRANULAR 'A' BEDDING & BACK FILL BELOW AND ABOVE PIPE AND INSULATION BOARD, COMPACTED TO MINIMUM 95% SPMDD
150mm MIN
150-300mm
RIGID EPS-INSULATION BOARD PER SPECIFICATION NOTES (MINIMUM R20-THICKNESS, TYPICALLY 100-130mm. MINIMUM 2 LAYERS INSULATION BOERD OVERLAPPED MINIMUM 300mm AT ALL JOINTS)
FROST DEPTH
NOTE: TRENCH SIDE-SLOPES IN AREAS OF PIPE INSULATION TO BE MAXIMUM 1:1 SLOPE, NO VERTICAL SECTIONS ALLOWED UNLESS INDICATED IN DETAIL
150mm MIN
FROST LINE
NATIVE SOILS – WHERE NATIVE SOIL IS SOFT AND/OR OF ORGANIC CONTENT, REMOVE TO DEPTH OF SUITABLE SOILS A

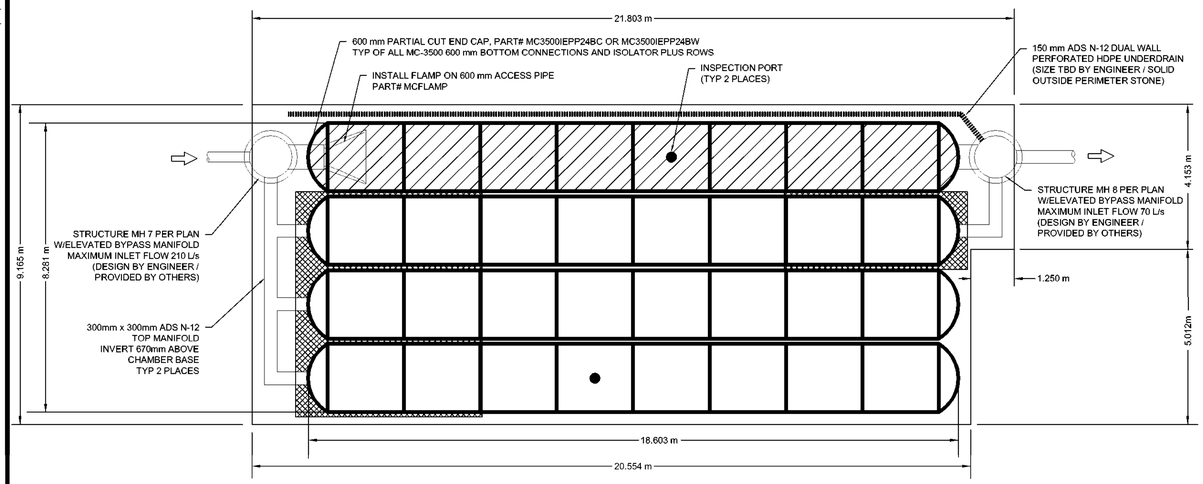
P:\P\61373_001\61373_001-C2

MTE FILE PATH:

STORMWATER TANK A DETAILS

N.T.S.

PROPOSED LAYOUT		PROPOSED ELEVATIONS	
32	STORMTECH MC-3500 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	356.790
8	STORMTECH MC-3500 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	354.962
305	STONE ABOVE (mm)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	354.809
229	STONE BELOW (mm)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT):	354.809
40	% STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	354.809
191.5	INSTALLED SYSTEM VOLUME (m³) (PERIMETER STONE INCLUDED)	TOP OF STONE:	354.657
		TOP OF MC-3500 CHAMBER:	354.352
193.5	SYSTEM AREA (m²)	300 mm TOP MANIFOLD/CONNECTION INVERT:	353.879
61.9	SYSTEM PERIMETER (m)	600 mm ISOLATOR ROW PLUS CONNECTION INVERT:	353.261
		BOTTOM OF MC-3500 CHAMBER:	353.209
		UNDERDRAIN INVERT:	352.980
		BOTTOM OF STONE:	352.980



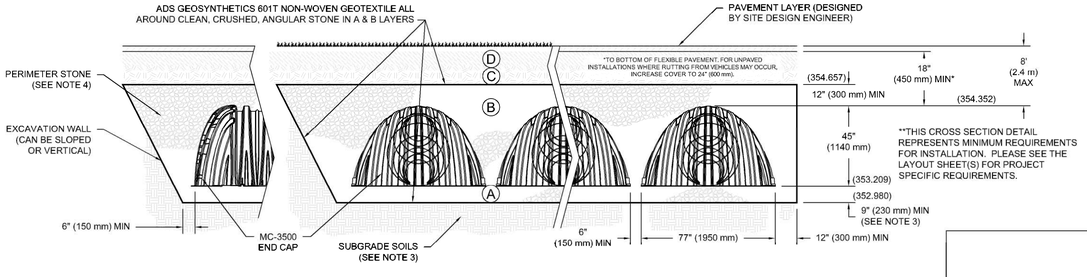
ISOLATOR ROW PLUS
(SEE DETAIL)

PLACE MINIMUM 5.33 m OF ADSPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

THERMOPLASTIC
LINER (DESIGN BY
OTHERS)

TYPICAL MC-3500 CROSS-SECTION

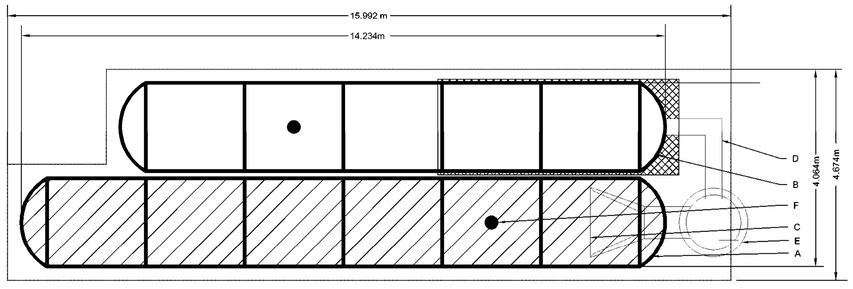
N.T.S.



STORMWATER TANK B DETAILS

N.T.S.

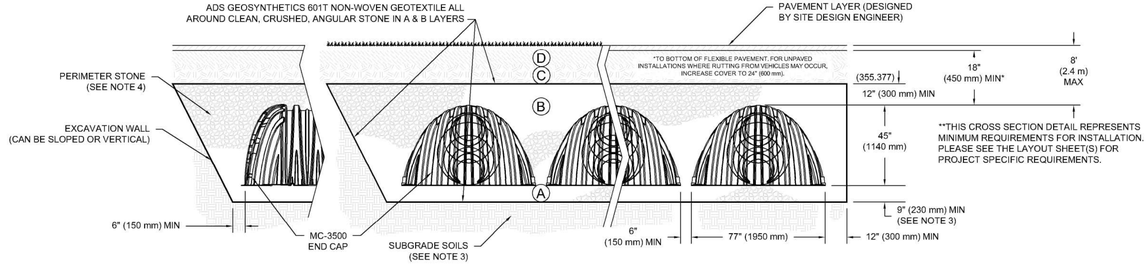
PROPOSED LAYOUT		CONCEPTUAL ELEVATIONS	
11	STORMTECH MC-3500 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	357.510
4	STORMTECH MC-3500 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	355.682
305	STONE ABOVE (mm)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	355.529
229	STONE BELOW (mm)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT):	355.529
40	STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	355.529
68.6	INSTALLED SYSTEM VOLUME (m³) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE:	355.377
		TOP OF MC-3500 CHAMBER:	355.072
		600 mm ISOLATOR ROW PLUS CONNECTION INVERT:	353.981
		BOTTOM OF MC-3500 CHAMBER:	353.929
70.1	SYSTEM AREA (m²)	UNDERDRAIN INVERT:	353.700
41.3	SYSTEM PERIMETER (m)	BOTTOM OF STONE:	353.700

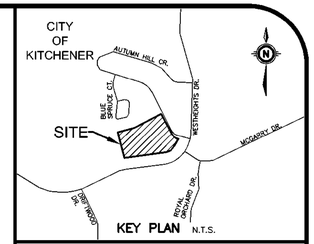


ISOLATOR ROW PLUS
(SEE DETAIL)

PLACE MINIMUM 5.33 m OF ADSPLUS125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS

THERMOPLASTIC
LINER (DESIGN BY
OTHERS)





GEODETIC BM ELEV. = m
REFER TO TOPO COMPLETED BY VAN HARTEN

SITE BENCHMARK ELEV. = m
REFER TO TOPO COMPLETED BY VAN HARTEN

NOTE TO CONTRACTOR :

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NOTE:

1. **PROPERTY LINE IS APPROXIMATE ONLY AND SHOULD NOT BE USED FOR DETERMINING SETBACKS OR LAYOUT.**
2. **EXISTING TOPOGRAPHICAL INFORMATION PROVIDED BY VAN HARTEN SURVEYING INC. DATED APRIL 11, 2025.**
3. **INVERTS DENOTED WITH "±" ARE TAKEN FROM SURVEY COMPLETED BY VAN HARTEN SURVEYING INC. AND ARE CONSIDERED APPROXIMATE ONLY. CONTRACTOR TO FIELD VERIFY AND REPORT ANY DISCREPANCIES TO ENGINEER.**
4. **THIS PLAN IS PART OF A SET OF PLANS WHICH COMPRISE OF THE FOLLOWING: C1.1, C2.1, C2.2, C2.3, C2.4 AND C2.5**

No.	REVISION	BY	YYYY-MM-DD
8.			
7.	ISSUED FOR TENDER	AXS	2026-04-10
6.	Revised per City Comments	AXS	2026-03-24
5.	Revised per City Comments	AXS	2026-03-10
4.	ISSUED FOR SPA	AXS	2025-01-30
3.	ISSUED FOR PERMIT	AXS	2025-09-08
2.	ISSUED FOR FUNCTIONAL SUBMISSION	AXS	2025-09-05
1.	ISSUED FOR CLIENT REVIEW	AXS	2025-05-28

MTE
Engineers, Scientists, Surveyors

519-743-6500

CLIENT

G ARCHITECTS

310 SPADINA AVENUE SUITE 303 TORONTO, ONTARIO

PROJECT

ST. MARK CATHOLIC ELEMENTARY SCHOOL

240 AUTUMN HILL CRESCENT KITCHENER, ONTARIO

DRAWING

NOTES AND DETAILS PLAN 2

Project Manager	A. SAWATSKY	Project No.	61373_001
Design By	MLW	Checked By	AXS
Drawn By	MJR/TXT	Checked By	MLW
Surveyed By	OTHERS	Drawing No.	C2.4
Date	May.02/25		
Scale		Sheet 5 of 6	

April 8, 2026 - 12:06:08 PM - Plotted By: Su Miao Xu

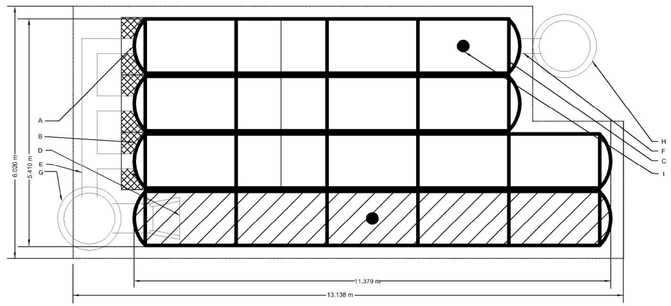
P:\P\61373_001\61373_001-C2

MTE FILE PATH:

INFILTRATION GALLERY C DETAILS

N.T.S.

PROPOSED LAYOUT		PROPOSED ELEVATIONS	
18	STORMTECH SC-800 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	357.009
8	STORMTECH SC-800 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	355.104
152	STONE ABOVE (mm)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	354.951
152	STONE BELOW (mm)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	354.951
40	STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	354.951
49.4	INSTALLED SYSTEM VOLUME (m^3) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (BASE STONE INCLUDED)	TOP OF STONE:	354.723
		TOP OF SC-800 CHAMBER:	354.570
		300 mm x 300 mm TOP MANIFOLD INVERT:	354.098
		600 mm ISOLATOR ROW PLUS INVERT:	353.791
73.1	SYSTEM AREA (m^2)	300 mm BOTTOM CONNECTION INVERT:	353.773
38.3	SYSTEM PERIMETER (m)	BOTTOM OF SC-800 CHAMBER:	353.732
		BOTTOM OF STONE:	353.580



ISOLATOR ROW PLUS
(SEE DETAIL)

PLACE MINIMUM 3.810 m OF ADSPLUS625
WOVEN GEOTEXTILE OVER BEDDING STONE
AND UNDERNEATH CHAMBER FEET FOR SCOUR
PROTECTION AT ALL CHAMBER INLET ROWS

BED LIMITS

TYPICAL SC-800 CROSS-SECTION

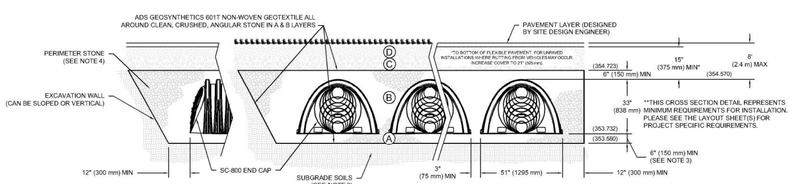
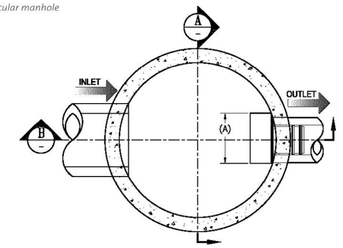
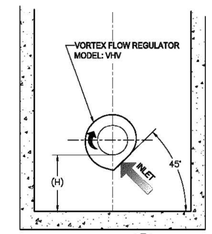


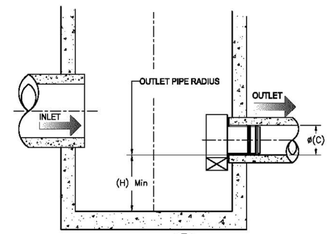
Figure 2a: Minimum dimensions and clearances, circular manhole



CIRCULAR MANHOLE

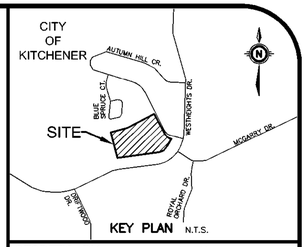


SECTION A



SECTION B

Model	Regulator Diameter A (mm) [in]	CIRCULAR Minimum Manhole Diameter B (mm) [in]	SQUARE Minimum Chamber Width B (mm) [in]	Minimum Outlet Pipe Diameter C (mm) [in]	Minimum Clearance H (mm) [in]
25 SVHV-1	125 [5]	600 [24]	600 [24]	150 [6]	150 [6]
32 SVHV-1	150 [6]	600 [24]	600 [24]	150 [6]	150 [6]
40 SVHV-1	200 [8]	600 [24]	600 [24]	150 [6]	150 [6]
50 VHV-1	150 [6]	600 [24]	600 [24]	150 [6]	150 [6]
75 VHV-1	250 [10]	600 [24]	600 [24]	150 [6]	150 [6]
100 VHV-1	325 [13]	900 [36]	600 [24]	150 [6]	200 [8]
125 VHV-2	275 [11]	900 [36]	600 [24]	150 [6]	200 [8]
150 VHV-2	350 [14]	900 [36]	600 [24]	150 [6]	225 [9]
200 VHV-2	450 [18]	1200 [48]	900 [36]	200 [8]	300 [12]
250 VHV-2	575 [23]	1200 [48]	900 [36]	250 [10]	350 [14]
300 VHV-2	675 [27]	1600 [64]	1200 [48]	250 [10]	400 [16]
350 VHV-2	800 [32]	1800 [72]	1200 [48]	300 [12]	500 [20]



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No.	REVISION	BY	YYYY-MM-DD
8.			
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310 SPADINA AVENUE SUITE 303 TORONTO, ONTARIO

PROJECT

ST. MARK CATHOLIC ELEMENTARY SCHOOL

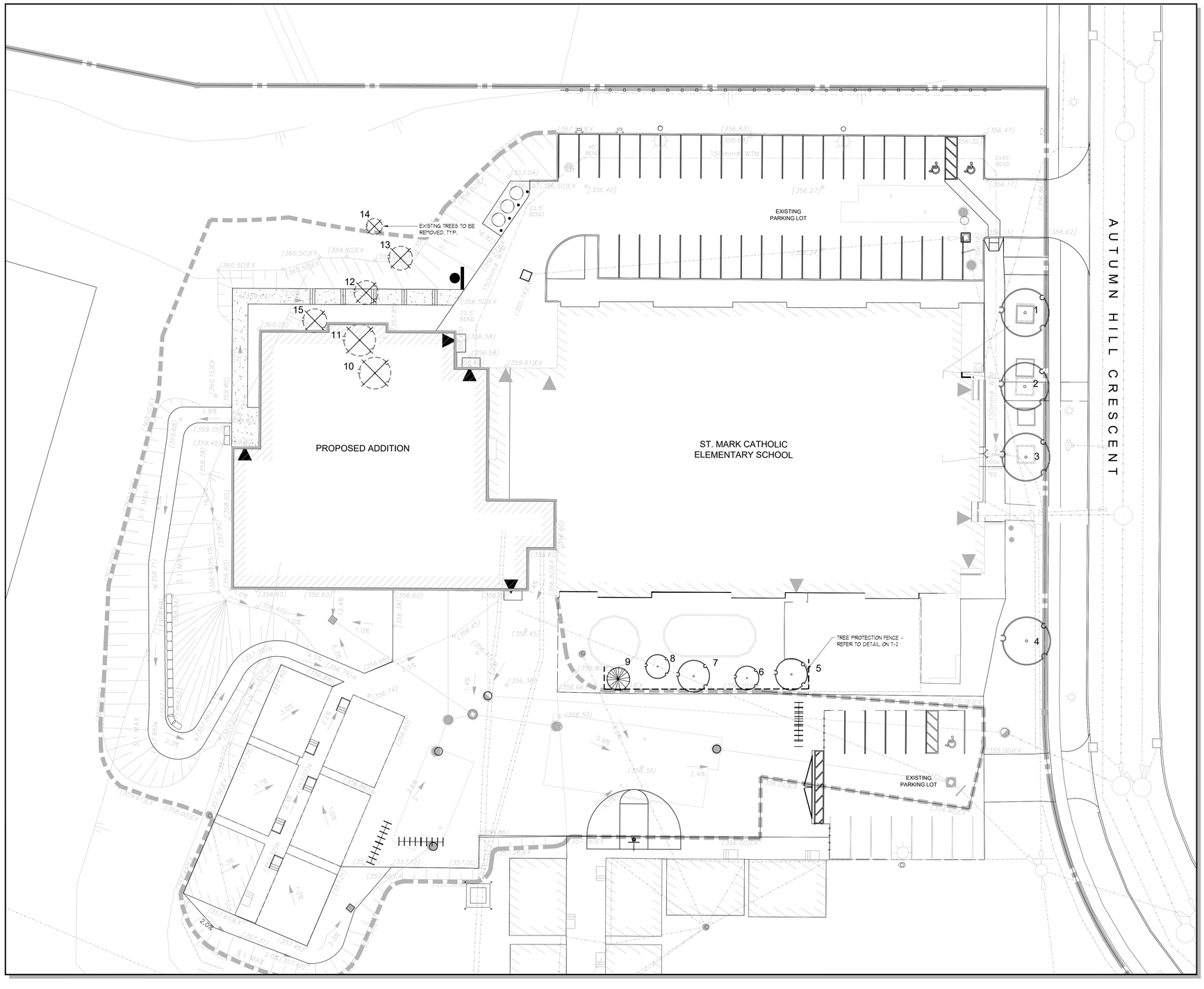
240 AUTUMN HILL CRESCENT KITCHENER, ONTARIO

DRAWING

NOTES AND DETAILS PLAN 3

Project Manager A. SAWATSKY	Project No. 61373_001
Design By MLW	Checked By AXS
Drawn By MJR/TXT	Checked By MLW
Surveyed By OTHERS	Drawing No. C2.5
Date May.02/25	
Scale	Sheet 6 of 6

April 8, 2026 - 12:06:24 PM - Plotted By: Su Miao Xu



LEGEND

- EXISTING DECIDUOUS TREES TO REMAIN — TREE NUMBER
- EXISTING DECIDUOUS TREES TO BE REMOVED — TREE NUMBER
- EXISTING CONIFEROUS TREES TO REMAIN — TREE NUMBER
- EXISTING CONIFEROUS TREES TO BE REMOVED — TREE NUMBER
- TREE PROTECTION BARRIER

TREE PRESERVATION PLAN

SCALE = 1:250

310 Spadina Avenue, Suite 303
Toronto, ON M5T 2E8
hello@garchitects.ca | (416) 937-7733
www.garchitects.ca

55 Northland Road
Waterloo, ON N2V 1Y8
(519) 725-3555
deiassociates.ca

5200 Yonge St., 2nd Floor
North York, ON M2N 5P6
(416) 617-4659
vbands.com

368 Oxford Street East
London, ON N6A 1V7
(519) 667-3322
rkla.ca

970 Lawrence Avenue West, Suite 600
Toronto, ON M6A 3B6
(416) 489-7888
mte85.com

35 Weber Street West
Kitchener, ON N2H 3Z1
(519) 578 3660
www.wcdsb.ca

#	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

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

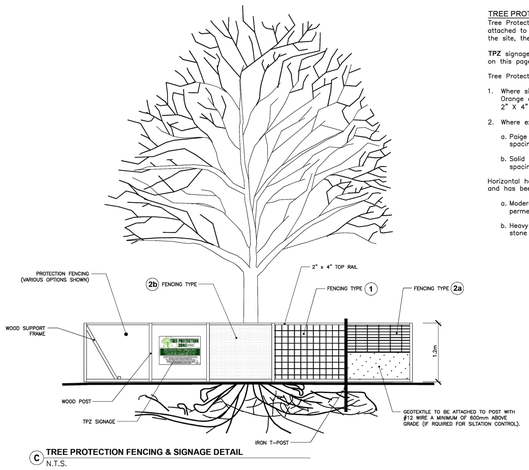
240 Autumn Hill Crescent
Kitchener, ON N2N 1K8

TREE MANAGEMENT PLAN

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

drawing number:

T1



C TREE PROTECTION FENCING & SIGNAGE DETAIL
N.T.S.

TREE PROTECTION FENCING NOTES

Tree Protection Zone (**TPZ**) signage mounted on Gator Board or Corrugated Plastic Sheet must be attached to the outside of the Tree Protection Fencing. Signage must be clearly visible to those entering the site, the minimum size is to be 40cm X 60cm (16" X 24").

TPZ signage must be paid for and installed by the Contractor. Any variations to the TPZ signage shown on this page require approval by Urban Forestry.

Tree Protection Fencing (TPF) must be 1.2m in height and must consist of one of the following options:

1. Where sight lines or visibility may be impeded:
   Orange construction fence secured to 2" X 4" wood frame or iron T-posts @ 2.4m spacing with 2" X 4" top rail for support.

2. Where excavation or fill must be placed temporarily near TPZs:
   a. Paige wire fence strand attached to sediment control fencing and secured to iron T-posts @ 2.4m spacing.
   b. Solid plywood hoarding secured to 2" X 4" wood frame, wood posts, or iron T-posts @ 2.4m spacing.

Horizontal hoarding shall be used in locations where movement of equipment through the **TPZ** is required and has been approved by UF. Horizontal hoarding options consist of:

a. Moderate root zone compaction: 3/4" plywood over 150mm of woodchip mulch over staked down permeable geotextile.
b. Heavy root zone compaction: Steel plate over 150mm of woodchip mulch over 100m of clear stone over staked down permeable geotextile.

TREE PROTECTION ZONE SIGNAGE

Date: Jul. 11, 2025 - 3:25 pm Plotted by: Scott M. Filename: R:\Drawings\01-Pr-007 Installation\In - Service\Design & Approval\Standard Dwg\Cdr FILE: PROTECTION-2 STANDARD 600 WIDE.dwg,PLOTTER: ENFORCER pc1 - Lay

THE POSITION OF THE POLE LINES, CONDUITS, WATERMAINS, SEWERS, AND OTHER STRUCTURES, WHICH MAY OR MAY NOT BE ACCURATELY SHOWN ON THE CONTRACT DRAWINGS, MUST BE PROVED BY EXCAVATION. NO GUARANTEE AS TO THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

BEFORE STARTING WORK
THE CONTRACTOR SHALL CONFIRM THE POSITION AND EXACT LOCATION OF ALL SUCH UTILITIES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM MADE DURING THE COURSE OF THE CONTRACT WORK.

The Corporation Of The
CITY OF KITCHENER
Development Services
Engineering Division

NOTES:

TREE PROTECTION FENCING AND SIGNAGE DETAIL - TPF-1

DESIGNED BY:	APPROVED BY:	DRAWN BY:	SCALE:	DATE: (MM/DD/YYYY)	SHEET No.	DWG. No.
****	****	S.E.O.	AS NOTED	3.31.2020	- - of - -	TPF-1

RECOMMENDED FOR PRESERVATION

ID #	BOTANICAL NAME	COMMON NAME	LOCATION	SIZE DBH (cm)	SIZE CANOPY RADIUS (m)	HEALTH & CONDITION CROWN CONDITION	HEALTH & CONDITION STRUCTURAL FORM	HEALTH & CONDITION STRUCTURAL INTEGRITY	HEALTH & CONDITION COMMENTS	RECOMMENDATIONS EXPECTED CONSTRUCTION IMPACTS	RECOMMENDATIONS PRESERVE OR REMOVE
1	*Acer platanoides*	Norway Maple	St marks school	39.5	3	4	Fair	Fair	Hip dieback, major dead limbs	N/A	preserve
2	*Acer platanoides*	Norway Maple	St marks school	35	3	4	Poor	Fair	Hip dieback, major dead limbs	N/A	preserve
3	*Acer platanoides*	Norway Maple	St marks school	37	3	4	Fair	Fair	Hip dieback, major dead limbs	N/A	preserve
4	*Acer platanoides*	Norway Maple	St marks school	51	5	4	Fair	Good	Hip dieback, exposed roots	N/A	preserve
5	*Acer saccharum*	Sugar Maple	St marks school	23	2	5	Good	Good		N/A	preserve
6	*Acer saccharinum*	Sugar Maple	St marks school	17	1.5	3	Poor	Fair	major open wound., sparse	N/A	preserve
7	*Acer saccharinum*	Sugar Maple	St marks school	25	2	4	Fair	Good	sparse, open wound, healing	N/A	preserve
8	*Tilia cordata*	Little Leaf Linden	St marks school	16	1.5	5	Fair	Good	supressed by tree 10, slight lean, inner dieback.	N/A	preserve
9	*Picea glauca*	White Spruce	St marks school	19	1.5	5	Good	Good	full form	N/A	preserve

RECOMMENDED FOR REMOVAL

ID #	BOTANICAL NAME	COMMON NAME	LOCATION	SIZE DBH (cm)	SIZE CANOPY RADIUS (m)	HEALTH & CONDITION CROWN CONDITION	HEALTH & CONDITION STRUCTURAL FORM	HEALTH & CONDITION STRUCTURAL INTEGRITY	HEALTH & CONDITION COMMENTS	RECOMMENDATIONS EXPECTED CONSTRUCTION IMPACTS	RECOMMENDATIONS PRESERVE OR REMOVE
10	*Acer rubrum*	Red Maple	St marks school	12	1	5	Good	Good	full form	conflict with proposed addition	remove
11	*Tilia cordata*	Little Leaf Linden	St marks school	15	1	5	Good	Good	full form	conflict with proposed addition	remove
12	*Acer saccharinum*	Silver Maple	St marks school	18	1.5	5	Good	Good	full form	conflict with proposed addition	remove
13	*Acer saccharinum*	Silver Maple	St marks school	20	1.5	5	Good	Good	full form	conflict with proposed addition	remove
14	*dead*	dead	St marks school	10	1	1	-			conflict with proposed addition and dead tree condition	remove
15	*dead*	dead	St marks school	11	1	1	-	-		conflict with proposed addition and dead tree condition	remove

CONSTRUCTION IMPACT MITIGATION RECOMMENDATIONS

PRE-CONSTRUCTION RECOMMENDATIONS

a) PRIOR TO ANY CONSTRUCTION ACTIVITY, TREE PRESERVATION FENCING IS TO BE INSTALLED AS PER THE ATTACHED TREE PRESERVATION DRAWINGS AND DETAIL.

b) TREES APPROVED FOR REMOVAL ARE TO BE CLEARLY INDICATED IN THE FIELD (MARKED WITH SPRAY PAINT OR OTHER AGREED UPON METHOD) BY THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT PRIOR TO ANY TREE REMOVAL OPERATIONS. ALL REMOVALS TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST.

c) IN ACCORDANCE WITH THE MIGRATORY BIRDS CONVENTION ACT, 1994, ALL REMOVALS MUST TAKE PLACE BETWEEN SEPTEMBER 1ST AND MARCH 31ST TO AVOID DISTURBING NESTING MIGRATORY BIRDS. IF TREE REMOVAL OCCURS BETWEEN APRIL 1ST AND AUGUST 31ST, A BIOLOGIST IS REQUIRED TO COMPLETE A SEARCH FOR NESTS. ONCE CLEARED, THE CONTRACTOR HAS 48 HOURS TO REMOVE. IF REMOVAL DOES NOT OCCUR WITHIN 48 HOURS, ANOTHER SEARCH WILL BE REQUIRED.

d) CARE SHOULD BE TAKEN DURING THE FELLING OPERATION TO AVOID DAMAGING THE BRANCHES, STEMS, TRUNKS, AND ROOTS OF NEARBY TREES TO BE PRESERVED. WHERE POSSIBLE, ALL TREES ARE TO BE FELLED TOWARDS THE CONSTRUCTION ZONE TO MINIMIZE IMPACTS ON ADJACENT VEGETATION. ALL REMOVALS TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST.

e) IT IS RECOMMENDED THAT THE EXISTING GROUND-LAYER VEGETATION AT THE BASE OF TREES TO BE PRESERVED REMAIN INTACT WITHIN THE CRITICAL ROOT ZONE SO AS NOT TO DISTURB THE SOIL AROUND THE BASE OF THE EXISTING TREES.

f) FINAL SITE GRADING PLANS SHOULD ENSURE THAT THE EXISTING SOIL MOISTURE CONDITIONS ARE MAINTAINED.

RECOMMENDATIONS RELATED TO THE CONSTRUCTION PROCESS

a) TREE PRESERVATION FENCING IS TO BE MAINTAINED IN GOOD CONDITION AND EFFECTIVE FOR THE DURATION OF CONSTRUCTION UNTIL ALL CONSTRUCTION ACTIVITY IS COMPLETE OR AS PER THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT.

b) TREE PRESERVATION FENCING IS TO REMAIN INTACT AS PER THE TREE PRESERVATION DRAWINGS, AND CAN ONLY BE TEMPORARILY REMOVED WITH THE EXPRESS WRITTEN CONSENT FROM THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT. SHOULD TREE PRESERVATION FENCING BE TEMPORARILY RELOCATED OR MOVED, IT IS TO BE REINSTATED AS PER THE TREE PRESERVATION PLANS AS SOON AS POSSIBLE.

c) NO CONSTRUCTION, EXCAVATION, ADDING OF FILL, STOCKPILING OF CONSTRUCTION MATERIAL, OR HEAVY EQUIPMENT IS PERMITTED WITHIN THE CRITICAL ROOT ZONE/WITHIN THE TREE PRESERVATION FENCING.

d) WHEN EXCAVATION NEAR A TREE IS REQUIRED, AND IT IS ANTICIPATED THAT ROOTS WILL BE SEVERED AND EXPOSED, DURATION OF EXPOSURE IS TO BE MINIMIZED TO PREVENT ROOT DESICCATION.

e) DURING THE EXCAVATION PROCESS, ROOTS 25MM OR LARGER THAT ARE SEVERED AND EXPOSED SHOULD BE HAND PRUNED TO LEAVE A CLEAN-CUT SURFACE. TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST. EXPOSED SEVERED ROOTS THAT CANNOT BE COVERED IN SOIL ON THE SAME DAY AS THE CUTS ARE MADE ARE TO BE KEPT MOIST. EXPOSED ROOTS ARE TO BE KEPT MOIST BY COVERING THEM WITH WATER SOAKED BURLAP OR ANY OTHER MEANS AVAILABLE TO PREVENT THEM FROM DRYING OUT.

f) AVOID IDLING HEAVY EQUIPMENT UNDER OR WITHIN CLOSE PROXIMITY TO TREES TO BE PRESERVED TO PREVENT CANOPY DAMAGE FROM EXPOSURE TO THE HEAT OF THE EXHAUST.

g) BROKEN BRANCHES ON TREES WITHIN THE SUBJECT SITE TO BE PRESERVED SHOULD BE CLEANLY CUT AS SOON AS POSSIBLE AFTER THE DAMAGE HAS OCCURRED. TO BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST.

POST-CONSTRUCTION RECOMMENDATIONS

a) AVOID DISCHARGING RAIN WATER LEADERS ADJACENT TO RETAINED TREES, AS THIS MAY RESULT IN AN OVERLY MOIST ENVIRONMENT WHICH CAN CAUSE ROOT ROT.

b) AFTER ALL WORK IS COMPLETED, TREE PRESERVATION FENCES AND ANY OTHER IMPACT MITIGATION PARAPHERNALIA MUST BE REMOVED.

c) A FINAL REVIEW MUST BE UNDERTAKEN BY THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT TO ENSURE THAT ALL MITIGATION MEASURES AS DESCRIBED ABOVE HAVE BEEN MET.

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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. KRUSEN — OALA — MEMBER

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St. Mark CES Renovations

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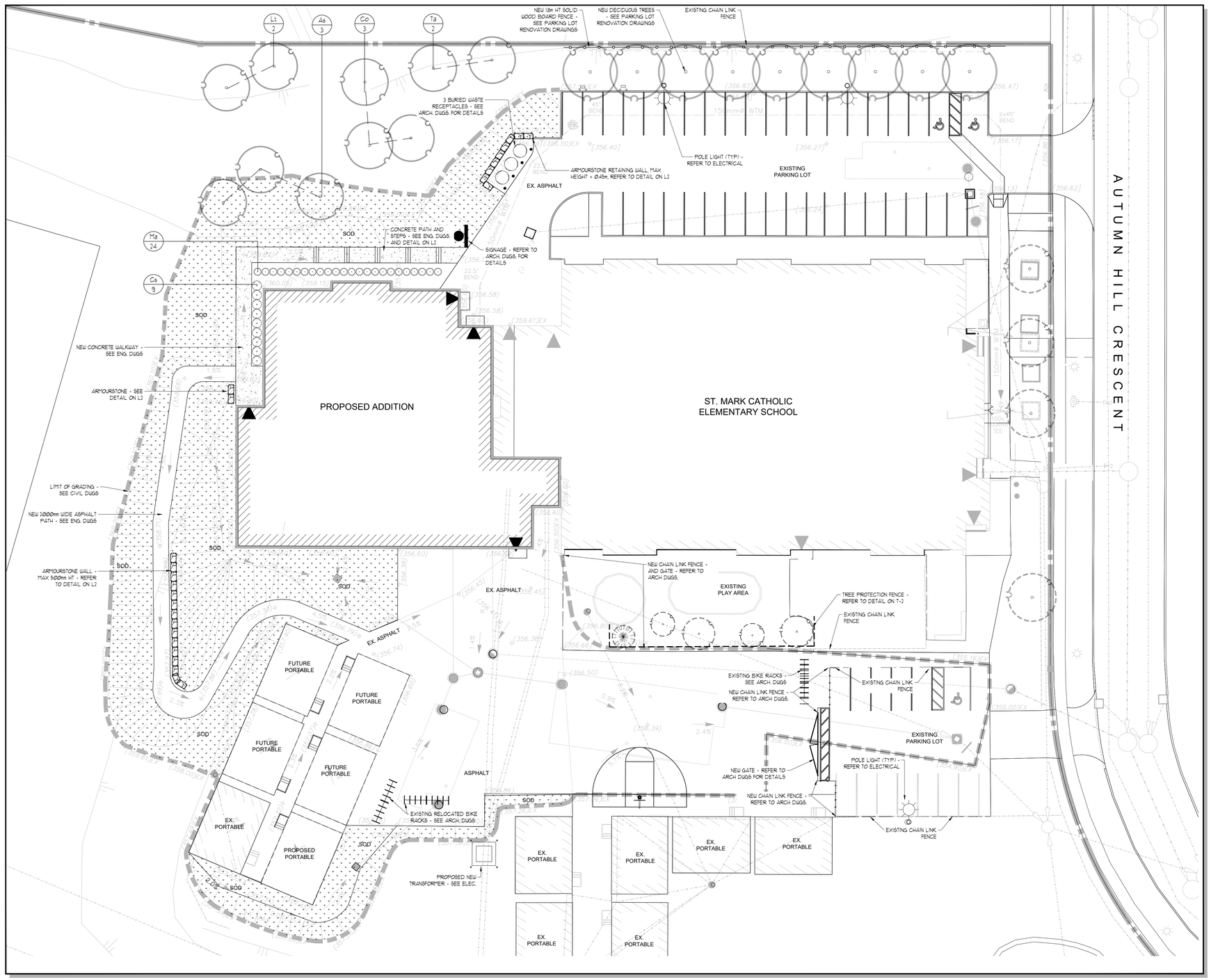
TREE MANAGEMENT PLAN

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:

T2



LANDSCAPE PLAN
SCALE = 1:250

PLANT MATERIAL

KEY	COMMON NAME	BOTANICAL NAME	QTY	SIZE	COND
Aa	SUGAR MAPLE	Acer saccharum	3	60mmcal	WB
Co	HACKBERRY TREE	Celtis occidentalis	3	60mmcal	WB
Cs	RED OSIER DOGWOOD	Cornus sericea	9	60cm	POT
Li	TULIP TREE	Liriodendron tulipifera	2	60mmcal	WB
Ma	OREGON GRAPE-HOLLY	Mahonia aquifolium	24	2gal	POT
Ta	BASSWOOD	Tilia americana	2	60mmcal	WB

LEGEND

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

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ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — RONALD H. KOLODY — OALA MEMBER

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LANDSCAPE PLAN

PN 7N

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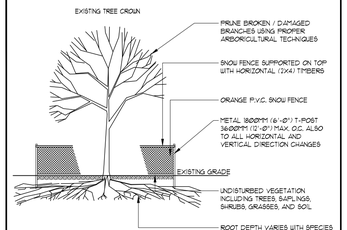
reviewed by:	RHK
job number:	24-035 (RKLA 25-147 Lo)
plot date:	2026-04-10

drawing number:

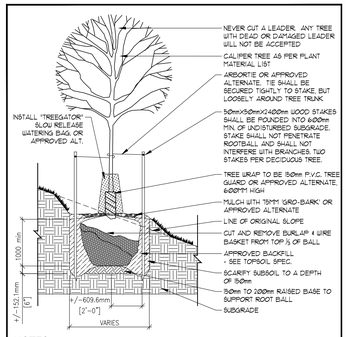
L1



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 80X20MM (8'-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.

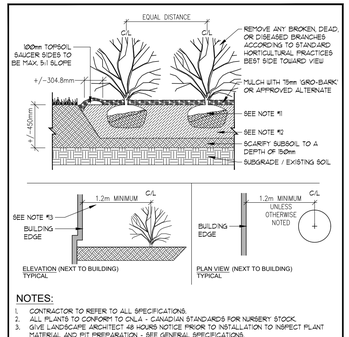
TEMP. TREE PROTECTION BARRIER - N.T.S.



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 MIN. 900MM 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 10cm CALIPER REQUIRE TWO STAKES. TREES 10cm 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.

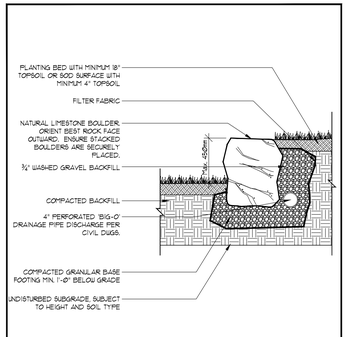
DECIDUOUS TREE SLOPE PLANTING DETAIL - N.T.S.



NOTES:

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. 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 CONTINOUS BED.
8. THE ABOVE DETAIL DOES NOT REPRESENT ANY PARTICULAR SPECIES.
9. ALL DIMENSIONS SHOUN 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 GROUN 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 IN LIFTS NOT EXCEEDING 150mm SETTLEMENT.
13. ALL SHRUBS TO BE PLANTED A MINIMUM OF 12# ON CENTER AWAY FROM ALL BUILDING EDGES UNLESS OTHERWISE NOTED.

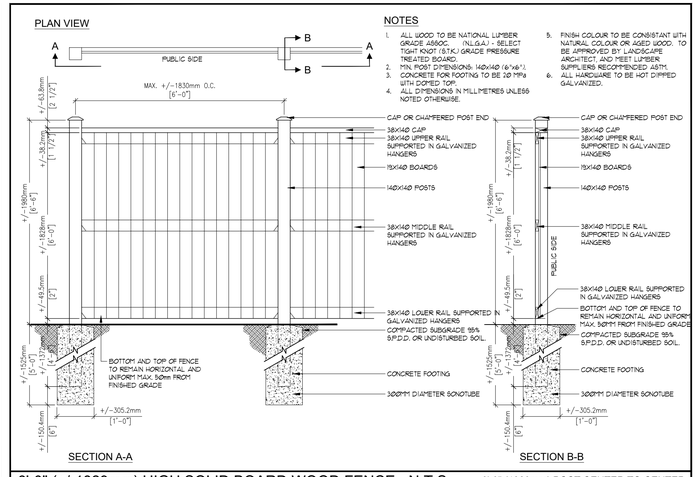
SHRUB PLANTING DETAIL - N.T.S.



NOTES:

1. CONTRACTOR TO REFER TO ALL SPECIFICATIONS.
2. ALL PLANTS TO CONFORM TO CNLA - CANADIAN STANDARDS FOR NURSERY STOCK.
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 FOLLOUING 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.

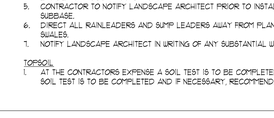
ARMOURSTONE WALL DETAIL - N.T.S.



NOTES

1. ALL WOOD TO BE NATIONAL LUMBER GRADE ASSOC. (N.L.G.A.) - 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

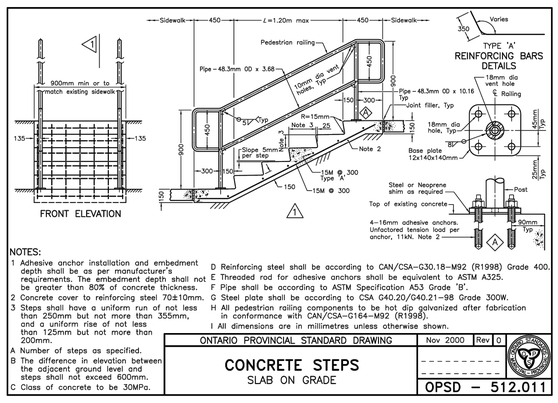


TYPICAL SECTION LAYOUT

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 FOLLOUING SIZES:
   80% - 1200 X 450 X 600
   20% - 450X 450 X 300
5. BOULDERS ARE TO BE BURIED ⅓ BELOW GRADE AND BACKFILLED IN 150m 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 WARRANTIED 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 GROUN 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 GROUING SEASON FOLLOUING 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 SUBBASE.
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 GROUTH 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 2M TO RETAIN SOIL MICROORGANISMS AND SOIL VIABILITY AND FERTILITY.
4. IF APPLICABLE, ALL WORK IN ANY ROAD ALLOUANCE SHALL MEET THE MINIMUM SPECIFICATIONS OF THE MUNICIPALITY. ENSURE A MINIMUM OF 100MM TOPSOIL IS INSTALLED IN BOULEVARDS.
5. PROTECT THE MUNICIPALITY OUNED ROAD ALLOUANCE(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 ORG-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.
5. 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.
6. ALL TREE PITS SHALL BE AT LEAST 2 PT. (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.
7. 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.
8. 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 2.5" (63.5MM).
9. ALL BURLAP SHALL BE CUT AND BURIED BELOU SURFACE DURING PLANTING.
10. ALL EVERGREENS ARE TO UNRAPPED THE FIRST UINTER AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR.
11. ALL SHRUBS PLANTED WITHIN 1m OF SALTED ROADWAYS, PARKING AND SIDEWALKS TO BE PROTECTED WITH SILT FENCING THROUGHOUT THE FIRST UINTER AFTER INSTALLATION AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR. (OPTIONAL)
12. DIRECT ALL RAINLEADERS AND SUMP LEADERS AWAY FROM PLANTING BEDS AND TO DESIGNATED DRAINAGE SWALES.
13. DO NOT INSTALL PLANT MATERIAL IN DRAINAGE SWALES.
14. CONTRACTOR IS TO REMOVE ALL STAKES AND GUY WIRES AFTER 2 FULL GROUING 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, INTERNAL SITE CURBING AND SIDEWALKS HAVE A 3'(0.9M) SOD MAINTENANCE STRIP INSTALLED.
3. ANY SODDING OR UORKS 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, GROUN AND SOLD IN ACCORDANCE WITH THE CLASSIFICATIONS OF THE NURSERY SOD GROUERS 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" (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 100 LBS. (68KG) 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 OUNER, 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 IF 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. NEU 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 OUNER 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 FOLLOUING SIZING:
   80 % - 1200 X 600 X 600
   20 % - 600 X 600 X 600
2. ROCKS ARE TO BE BURIED 1/3 BELOU GRADE AND BACKFILLED IN 150 MM LIFTS. CONTRACTOR TO INSTALL LANDSCAPE FABRIC BEHIND BOULDERS. TYPICAL.

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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 DETAILS

PN 7N

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:
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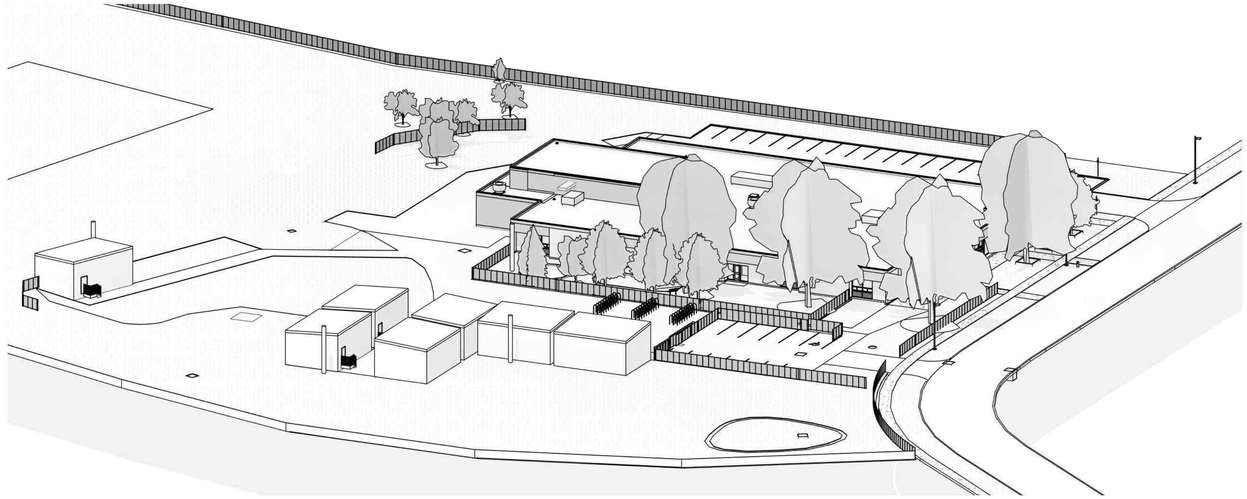
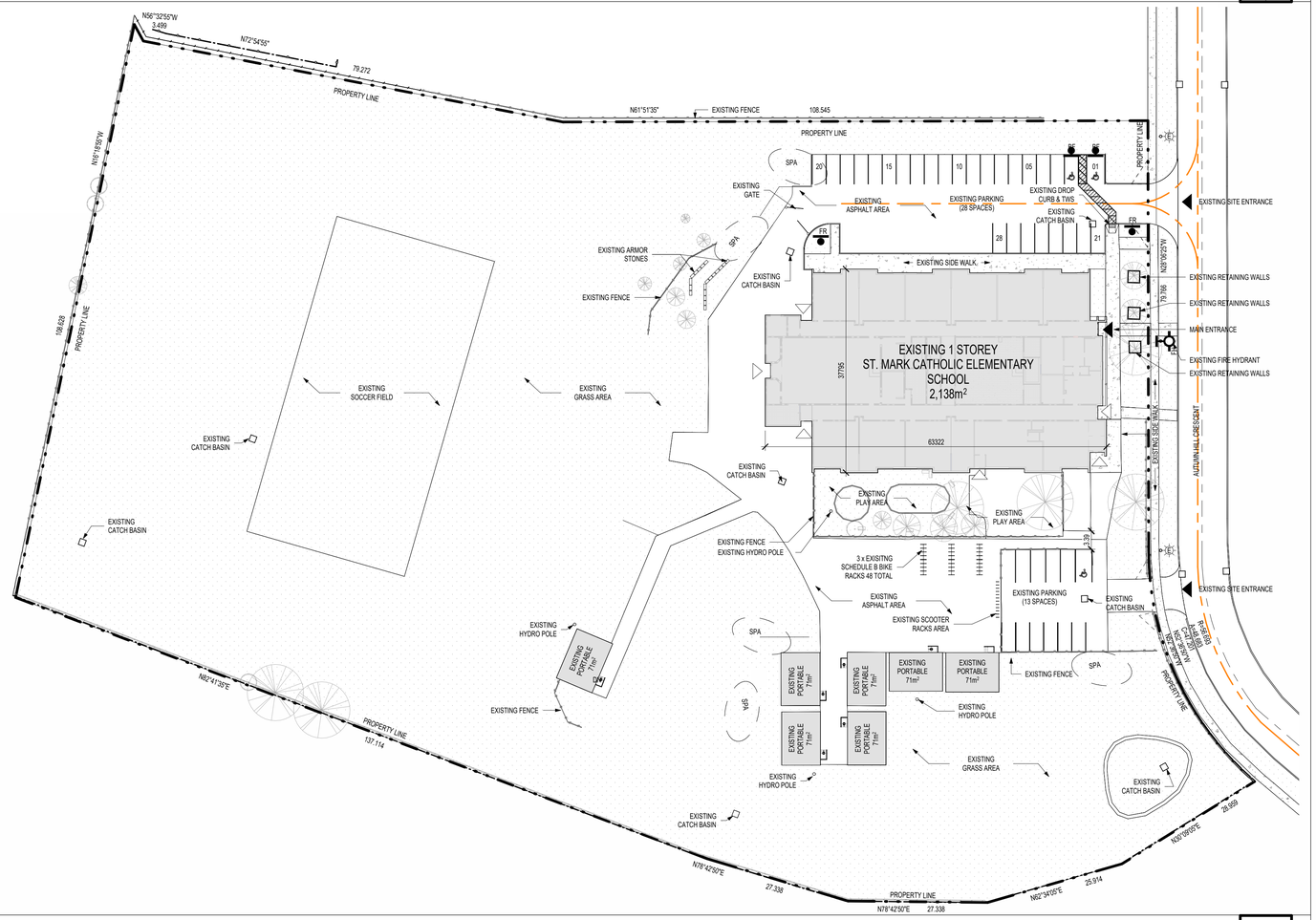
2. THE LOCATION OF POLE LINES, CONDUITS, WATER MAINS, SEWERS, AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR 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.
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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(519) 578 3660
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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

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)
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MINIMUM YARD SETBACK ABUTTING A LOT WITH A LOW RISE RESIDENTIAL ZONE	7.50 m	29.84m (Right Side) / 59.63m (Left Side)
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	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
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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
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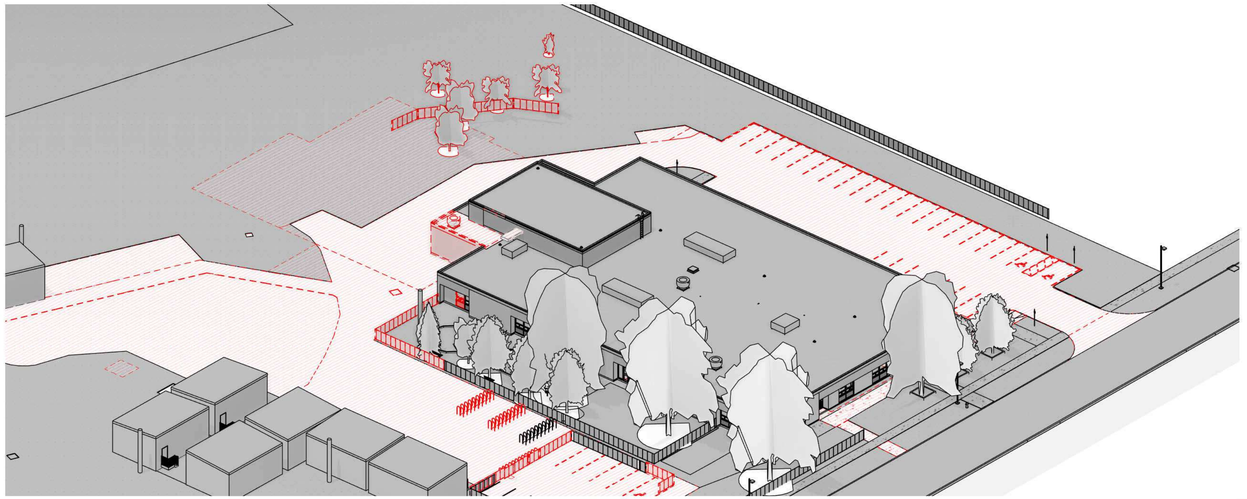
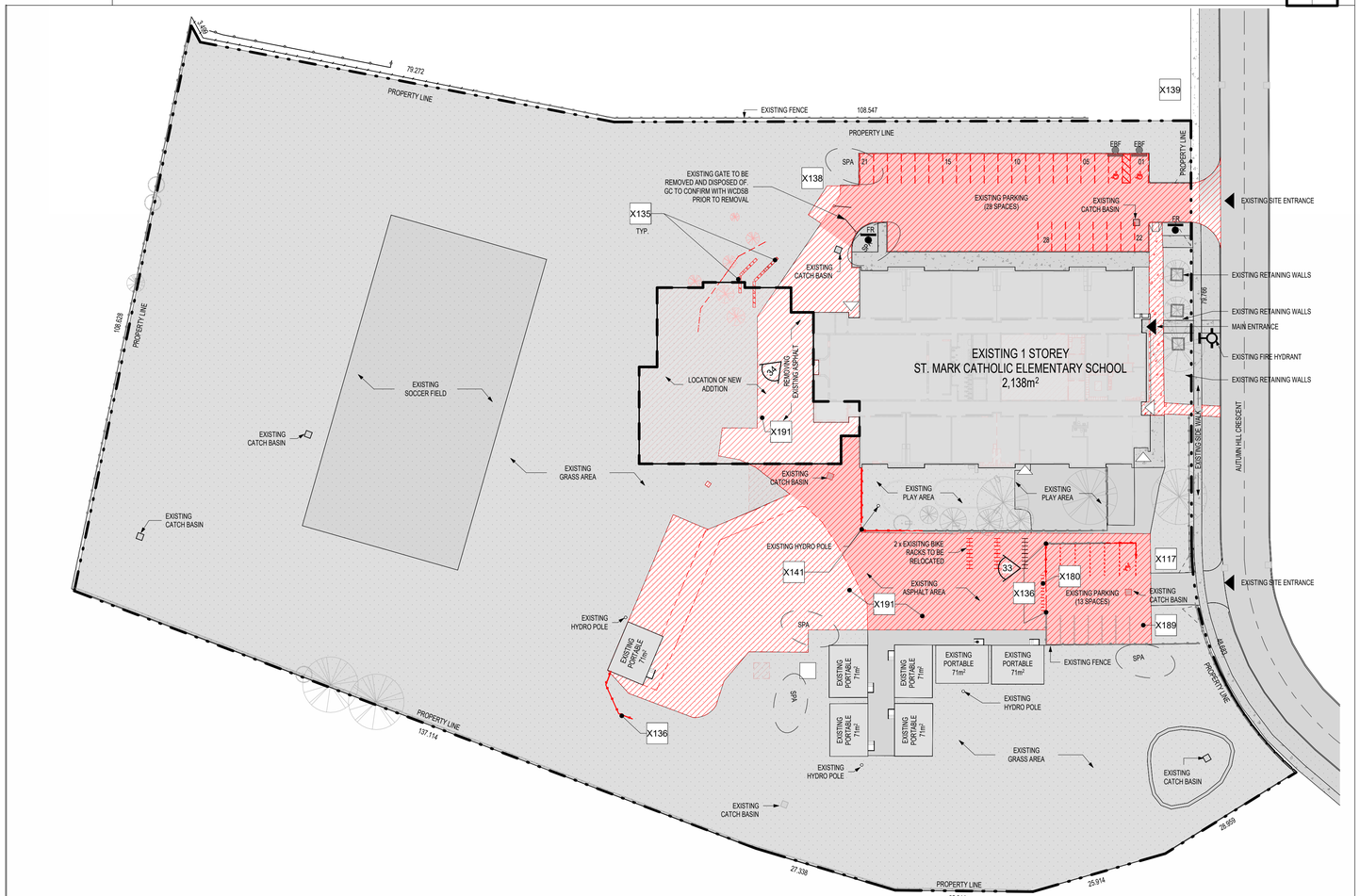
3. TOPSOIL, DEBRIS AND LOOSE MATERIALS TO BE REMOVED FROM ALL SUBBASE MATERIALS.
4. WHERE NEW PAVING ABUTS EXISTING ASPHALT PAVING, MATCH FINISH GRADE AND SLOPE.
5. PROVIDE PAVEMENT MARKINGS, SYMBOLS AS INDICATED ON SITE PLAN.
6. THE COMPRESSIVE STRENGTH OF CONCRETE AFTER 28 DAYS SHALL BE 32MPA UNO. ALL EDGES OF CONCRETE TO BE ROUNDED OFF WITH AN EDGING TOOL. 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
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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

SITE PLAN - DEMOLITION

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).

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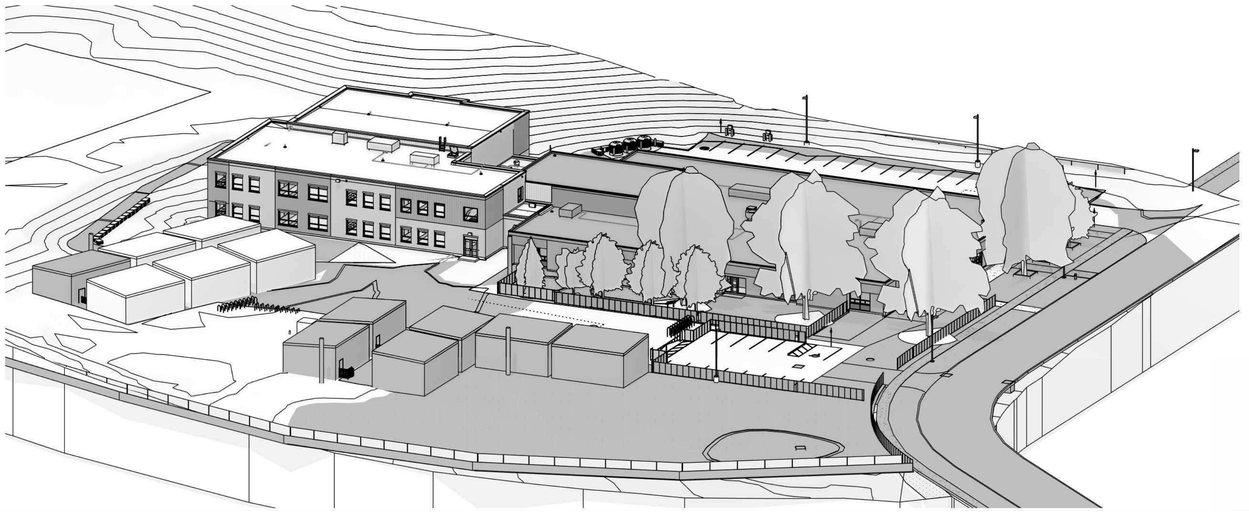
MAXIMUM FLOOR SPACE RATIO	1.00 m (3)	n/a
MINIMUM LANDSCAPED OPEN SPACE	20.00 %	> 20.00 %
PARKING SPACES	Minimum 1 parking space per: 100m² GFA, including portables = 47 parking spaces Maximum 1 parking space per: 75 m² GFA, including portables = 63 parking spaces	Existing = 41 parking spaces New = 11 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

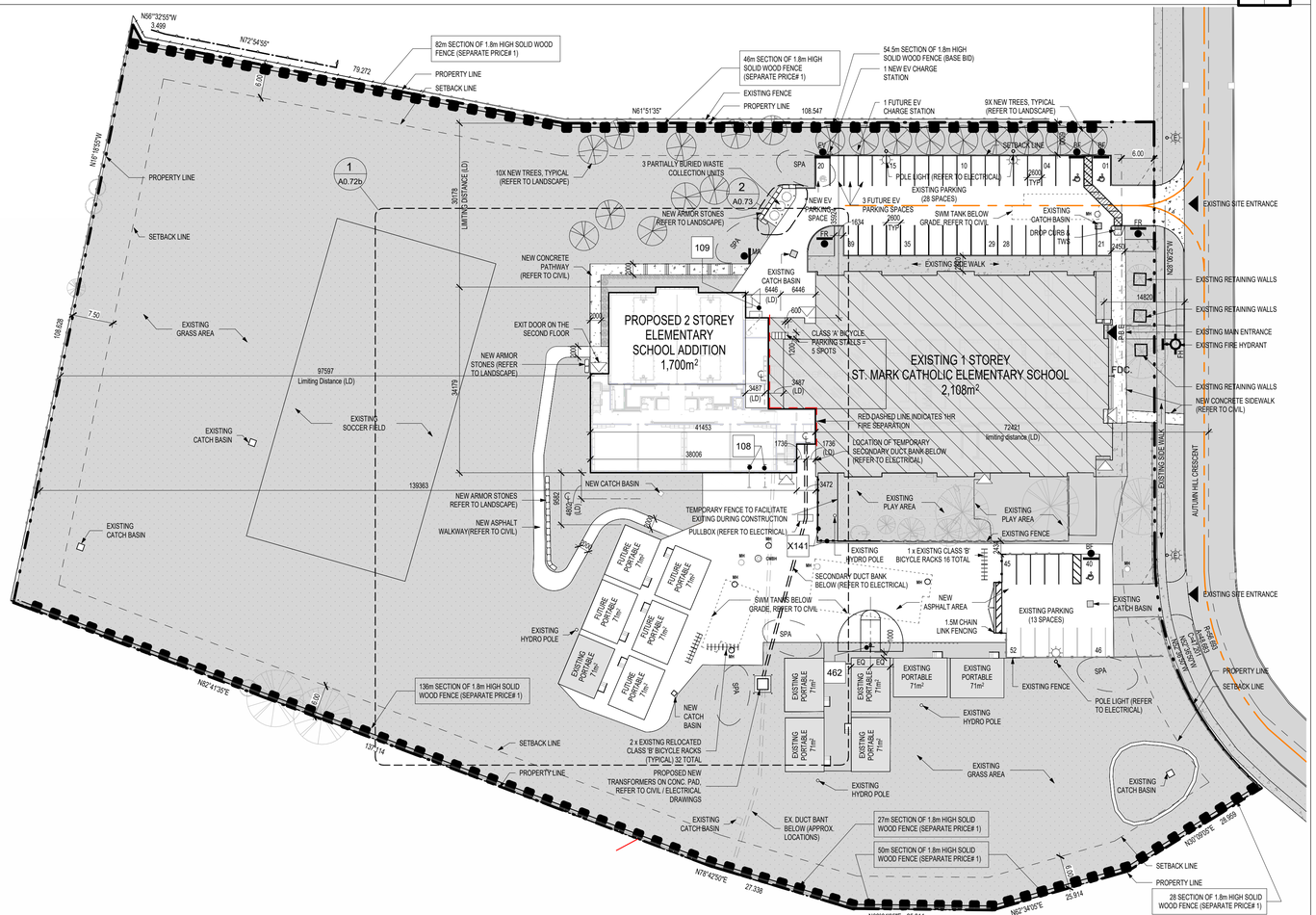
Sym.	Site Element Description	Sym.	Site Element Description
E	EXISTING SITE LIGHTING FIXTURE NEW SITE LIGHTING FIXTURE	xx	NEW PARKING SPACE
	TRAFFIC DIRECTION INDICATORS (PAINTED)		EXISTING TREE TO REMAIN
	EXISTING BUILDING		NEW TREE (REFER TO LANDSCAPE)
	EXISTING ASPHALT TO BE REMOVED AND REPLACED		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. 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.
5. 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.
6. 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



Proposed Site Plan - Isometric View — 2 / A0.72


PROPOSED 2 STOREY ELEMENTARY SCHOOL ADDITION 1,700m²
EXISTING 1 STOREY ST. MARK CATHOLIC ELEMENTARY SCHOOL 2,108m²
82m SECTION OF 1.8m HIGH SOLID WOOD FENCE (SEPARATE PRICE# 1)
46m SECTION OF 1.8m HIGH SOLID WOOD FENCE (SEPARATE PRICE# 1)
54.5m SECTION OF 1.8m HIGH SOLID WOOD FENCE (BASE BID)
1 NEW EV CHARGE STATION
1 FUTURE EV CHARGE STATION
9X NEW TREES, TYPICAL (REFER TO LANDSCAPE)
10X NEW TREES, TYPICAL (REFER TO LANDSCAPE)
3 PARTIALLY BURIED WASTE COLLECTION UNITS
NEW ARMOR STONES (REFER TO LANDSCAPE)
NEW CONCRETE PATHWAY (REFER TO CIVIL)
EXISTING PARKING (28 SPACES)
3 FUTURE EV PARKING SPACES
NEW EV PARKING SPACE
POLE LIGHT (REFER TO ELECTRICAL)
SWM TANK BELOW GRADE, REFER TO CIVIL
EXISTING CATCH BASIN
DROP CURB & TWS
EXISTING SITE WALK
EXISTING SITE ENTRANCE
EXISTING RETAINING WALLS
EXISTING MAIN ENTRANCE
EXISTING FIRE HYDRANT
NEW CONCRETE SIDEWALK (REFER TO CIVIL)
CLASS 'A' BICYCLE PARKING STALLS = 5 SPOTS
EXIT DOOR ON THE SECOND FLOOR
NEW ARMOR STONES (REFER TO LANDSCAPE)
RED DASHED LINE INDICATES 1HR FIRE SEPARATION
LOCATION OF TEMPORARY SECONDARY DUCT BANK BELOW (REFER TO ELECTRICAL)
limiting distance (LD)
EXISTING SOCCER FIELD
EXISTING GRASS AREA
NEW CATCH BASIN
NEW ASPHALT WALKWAY(REFER TO CIVIL)
TEMPORARY FENCE TO FACILITATE EXITING DURING CONSTRUCTION
PULLBOX (REFER TO ELECTRICAL)
EXISTING PLAY AREA
EXISTING FENCE
EXISTING HYDRO POLE
1 x EXISTNG CLASS 'B' BICYCLE RACKS 16 TOTAL
SECONDARY DUCT BANK BELOW (REFER TO ELECTRICAL)
NEW ASPHALT AREA
1.5M CHAIN LINK FENCING
EXISTING PARKING (13 SPACES)
FUTURE PORTABLE 71m²
EXISTING PORTABLE 71m²
138m SECTION OF 1.8m HIGH SOLID WOOD FENCE (SEPARATE PRICE# 1)
NEW CATCH BASIN
2 x EXISTING RELOCATED CLASS 'B' BICYCLE RACKS (TYPICAL) 32 TOTAL
PROPOSED NEW TRANSFORMERS ON CONC. PAD. REFER TO CIVIL / ELECTRICAL DRAWINGS
EXISTING GRASS AREA
EX. DUCT BANT BELOW (APPROX. LOCATIONS)
27m SECTION OF 1.8m HIGH SOLID WOOD FENCE (SEPARATE PRICE# 1)
50m SECTION OF 1.8m HIGH SOLID WOOD FENCE (SEPARATE PRICE# 1)
28 SECTION OF 1.8m HIGH SOLID WOOD FENCE (SEPARATE PRICE# 1)
PROPERTY LINE
SETBACK LINE
AUTUMN HILL CRESCENT
EXISTING SITE WALK
EXISTING SITE ENTRANCE
PROPERTY LINE
SETBACK LINE
EXISTING FIRE HYDRANT
EXISTING RETAINING WALLS
EXISTING CATCH BASIN
EXISTING HYDRO POLE
EXISTING PORTABLE 71m²
EXISTING FENCE
POLE LIGHT (REFER TO ELECTRICAL)
EXISTING GRASS AREA
EXISTING CATCH BASIN
EXISTING SITE ENTRANCE
PROPERTY LINE
SETBACK LINE
EXISTING RETAINING WALLS
EXISTING MAIN ENTRANCE
EXISTING FIRE HYDRANT
EXISTING RETAINING WALLS
NEW CONCRETE SIDEWALK (REFER TO CIVIL)
EXISTING SITE WALK
AUTUMN HILL CRESCENT
EXISTING SITE ENTRANCE
PROPERTY LINE
SETBACK LINE
EXISTING CATCH BASIN
EXISTING HYDRO POLE
EXISTING GRASS AREA
EXISTING CATCH BASIN
EXISTING PLAY AREA
EXISTING PLAY AREA
EXISTING FENCE
EXISTING HYDRO POLE
EXISTING CATCH BASIN
EXISTING CATCH BASIN
EXISTING GRASS AREA
EXISTING HYDRO POLE
EXISTING FENCE
SPA
POLE LIGHT (REFER TO ELECTRICAL)
PROPERTY LINE
SETBACK LINE
EXISTING CATCH BASIN
EXISTING HYDRO POLE
EXISTING GRASS AREA
EXISTING CATCH BASIN
EXISTING SOCCER FIELD
EXISTING GRASS AREA
PROPERTY LINE
SETBACK LINE
EXISTING CATCH BASIN
EXISTING HYDRO POLE
EXISTING PLAY AREA
EXISTING FENCE
EXISTING PARKING (13 SPACES)
EXISTING CATCH BASIN
EXISTING SITE ENTRANCE
PROPERTY LINE
SETBACK LINE
EXISTING RETAINING WALLS
EXISTING MAIN ENTRANCE
EXISTING FIRE HYDRANT
EXISTING RETAINING WALLS
NEW CONCRETE SIDEWALK (REFER TO CIVIL)
EXISTING SITE WALK
AUTUMN HILL CRESCENT
EXISTING SITE ENTRANCE

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
	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:

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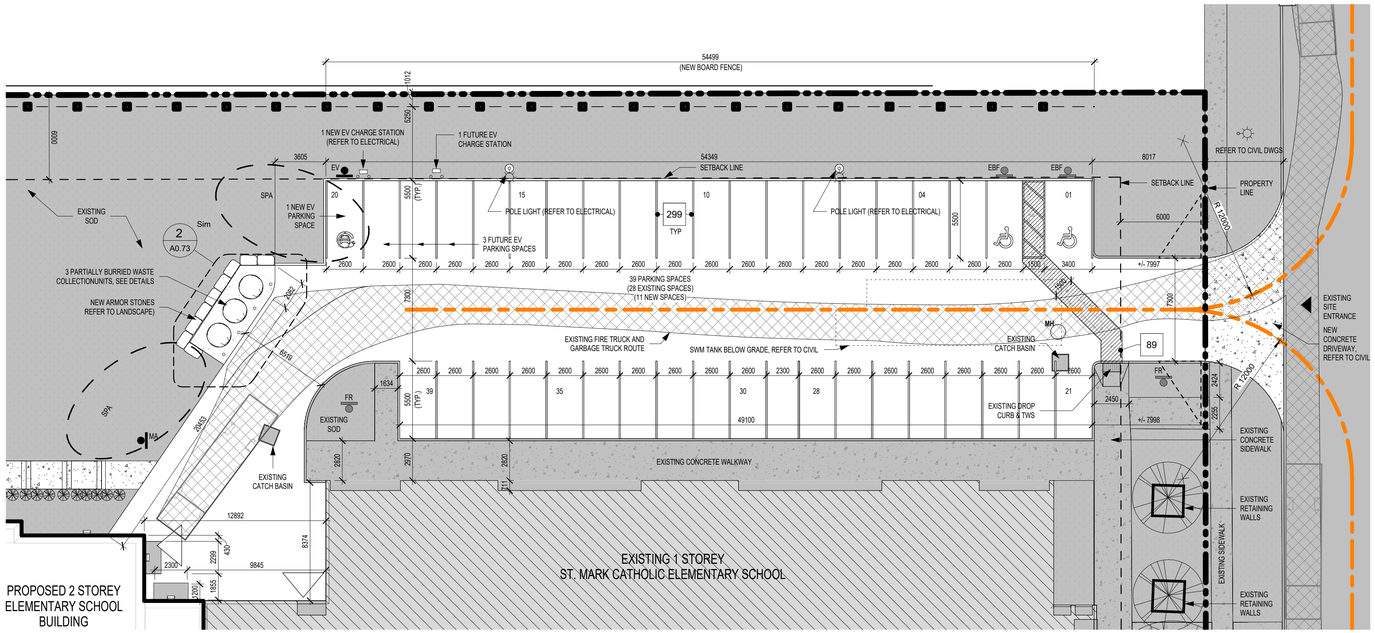
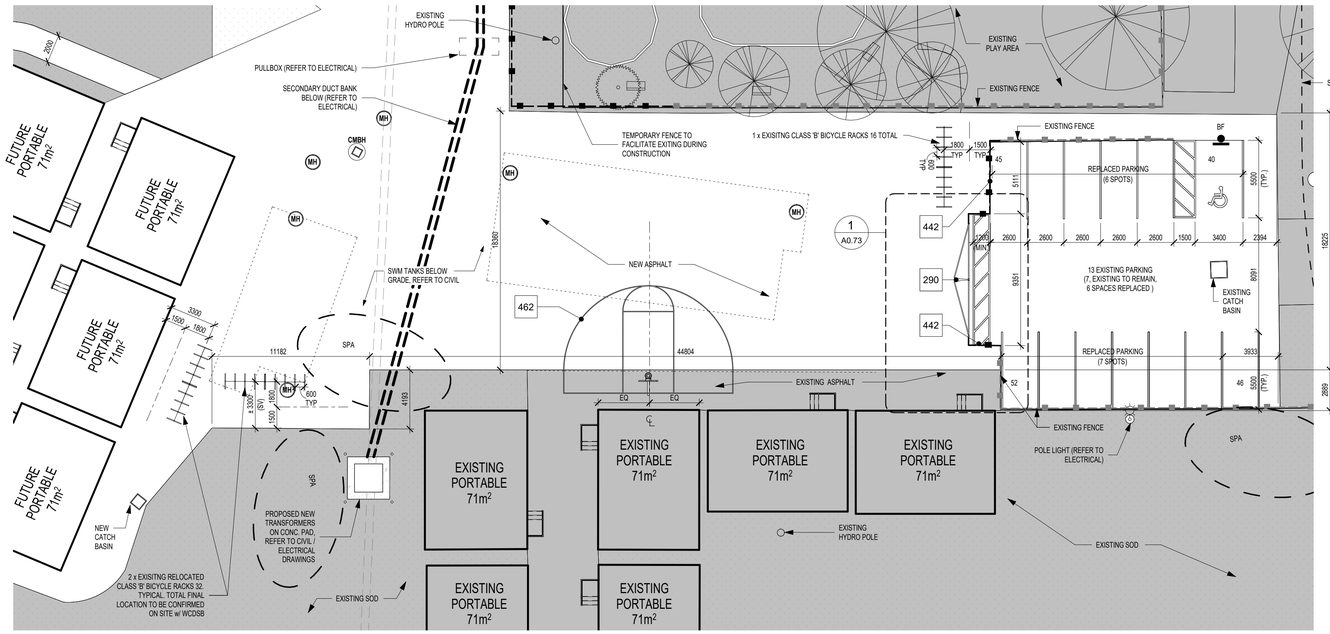
3. TOPSOIL, DEBRIS AND LOOSE MATERIALS TO BE REMOVED FROM ALL SUBBASE MATERIALS.
4. WHERE NEW PAVING ABUTS EXISTING ASPHALT PAVING, MATCH FINISH GRADE AND SLOPE.
5. PROVIDE PAVEMENT MARKINGS, SYMBOLS AS INDICATED ON SITE PLAN.
6. THE COMPRESSIVE STRENGTH OF CONCRETE AFTER 28 DAYS SHALL BE 32MPA UNO. 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.



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



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

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mte85.com

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www.wcdsb.ca

#	date:	revision:
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
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

ENLARGED SITE PLAN - PROPOSED

PN PV

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		

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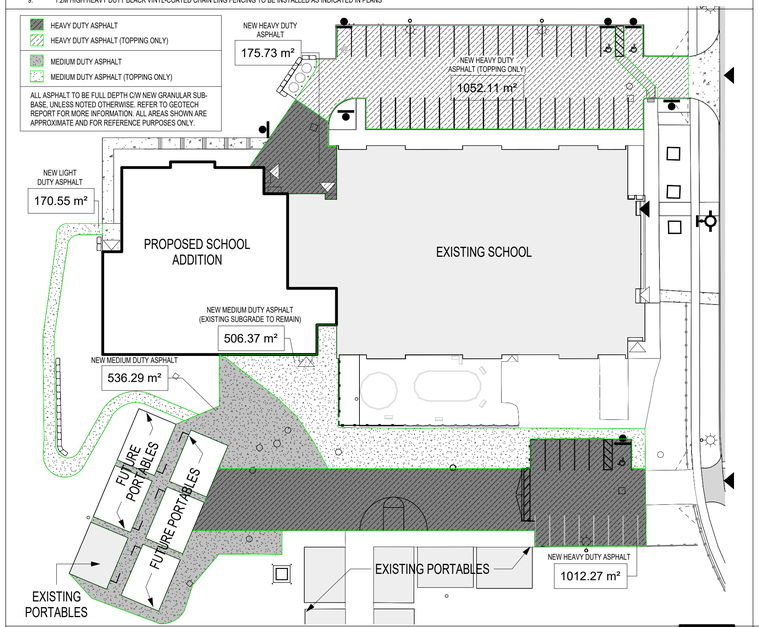
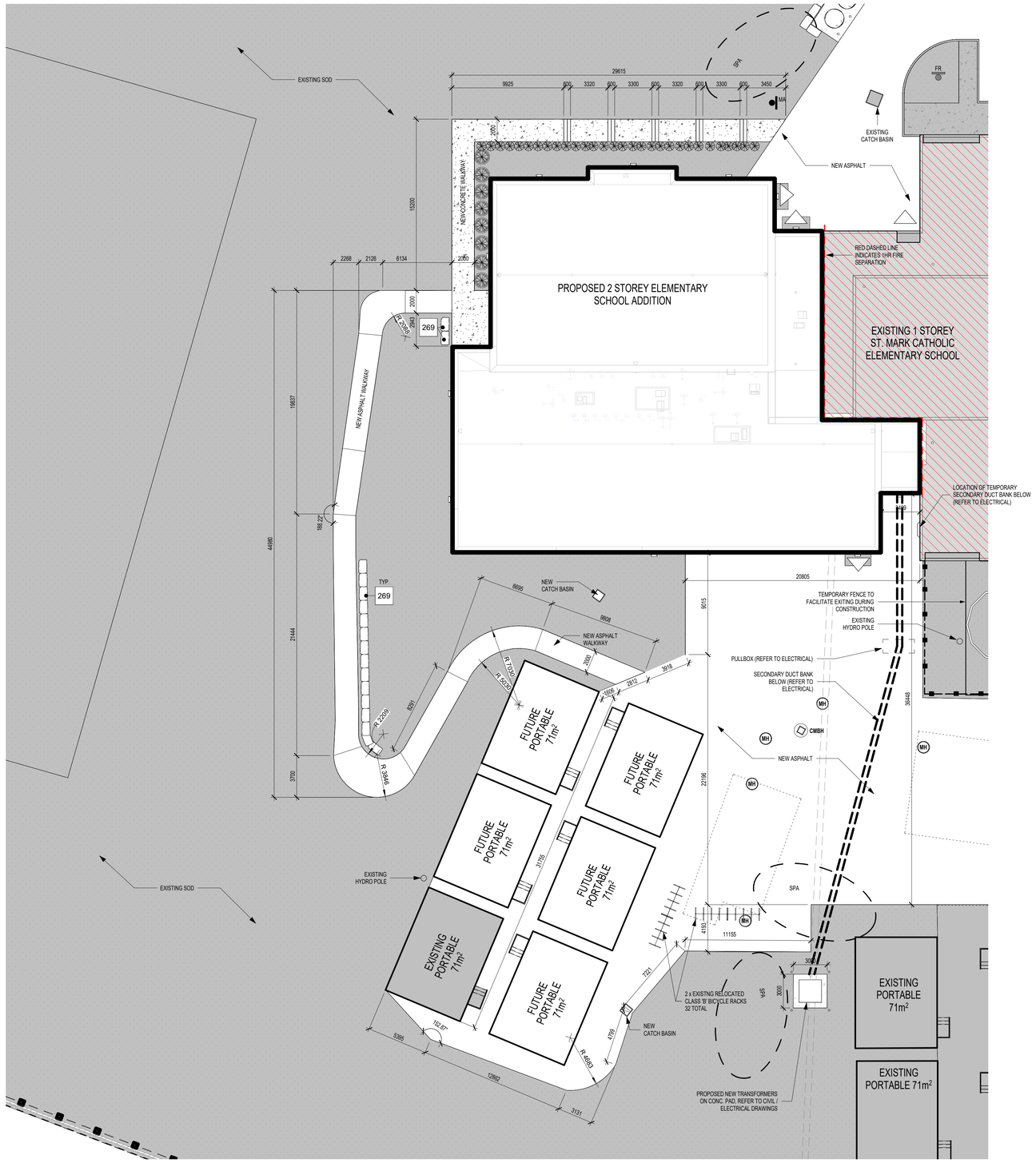
5. PROVIDE PAVEMENT MARKINGS, SYMBOLS AS INDICATED ON SITE PLAN.
6. THE COMPRESSIVE STRENGTH OF CONCRETE AFTER 28 DAYS SHALL BE 32MPA UNO. ALL EDGES OF CONCRETE TO BE ROUNDED OFF WITH AN EDGING TOOL.
7. TURN DOWN THE PERIMETER EDGE OF SIDEWALKS A MIN. 125MM (5") IN ADDITION TO SIDEWALK THICKNESS, COMPLETE 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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#	date:	revision:
7	2026.04.24	Issued For Tender
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

ENLARGED SITE PLAN - PROPOSED

PN TN

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

drawing number:

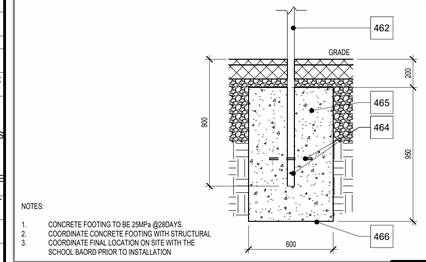
A0.72b

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

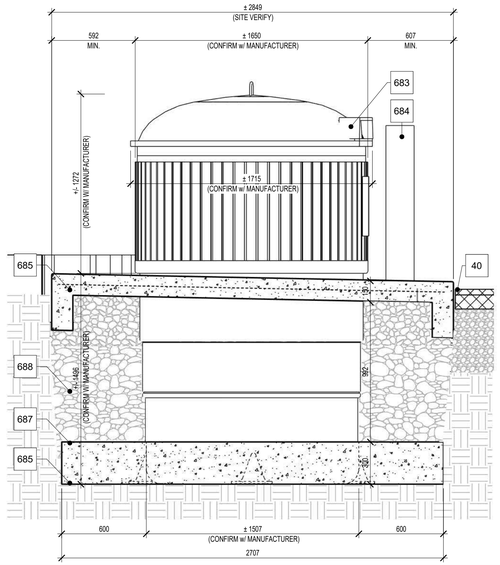
Item	Description
683	PARTIALLY BURIED WASTE COLLECTION UNITS, 3x6.5yd3 UNITS. (AS MANUFACTURED BY MOLOK NORTH AMERICA c/w EON PLASTIC FRAMING (COLOUR: ECON-GREY).
684	BOLLARD IN CAST PIPE IN PLACE POST HOLE.
685	150mm 32MPa C-2 CAST IN PLACE CONCRETE SLAB c/w 10M BARS AT 300mm O.C MEW. (SLUMP=3"+/-1"). 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).



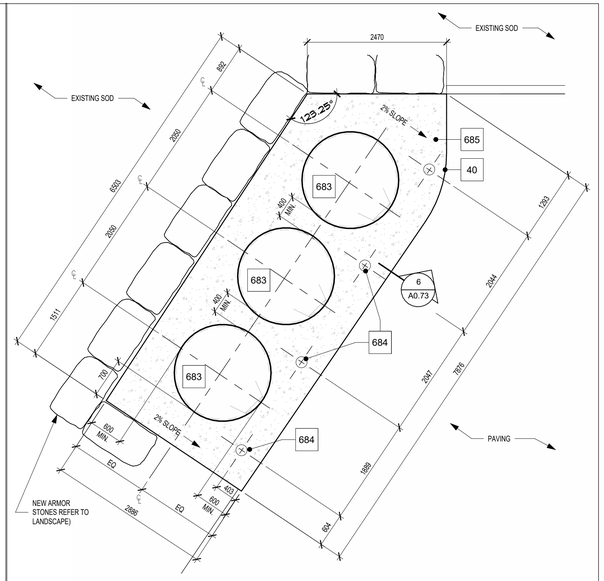
NOTES:

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

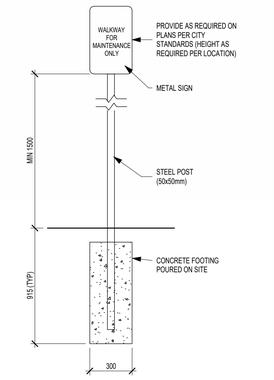
Basketball Poel Founation Section — 8 / A0.73 — 1 : 20



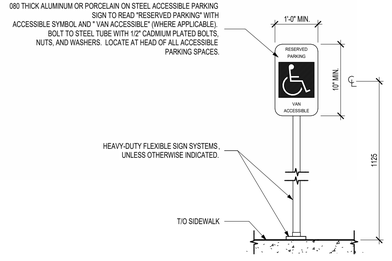
Molok Waste Collection - Section View — 6 / A0.73/A0.73 — 1 : 20



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

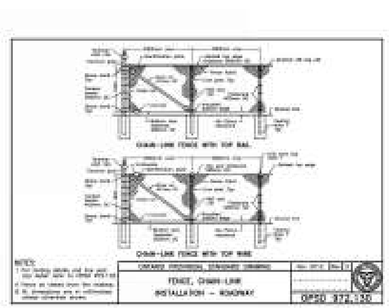


SIGNAGE DETAIL — 9 / A0.73 — 1 : 20

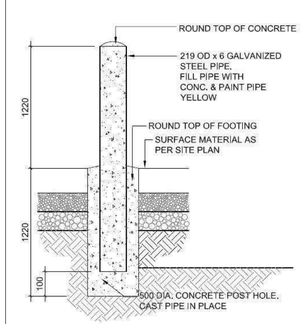


NOTE:
ACCESSIBLE PARKING SIGN TO CONFORM TO CURRENT PROVINCE, LOCAL CODES & REGULATIONS

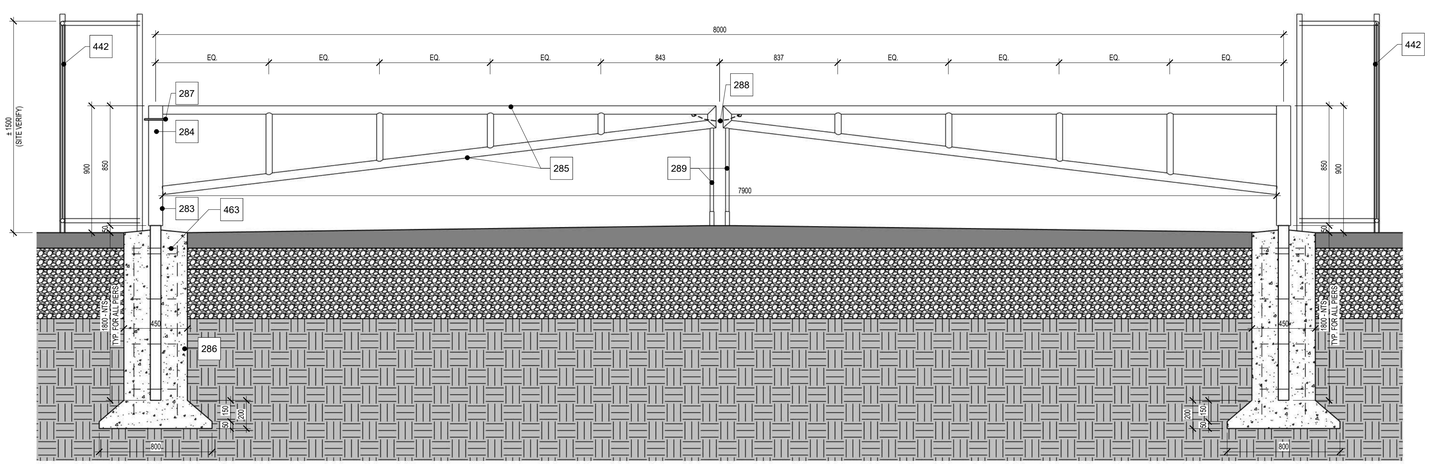
Typ. Accessible Parking Sign — 7 / A0.73 — 1 : 20



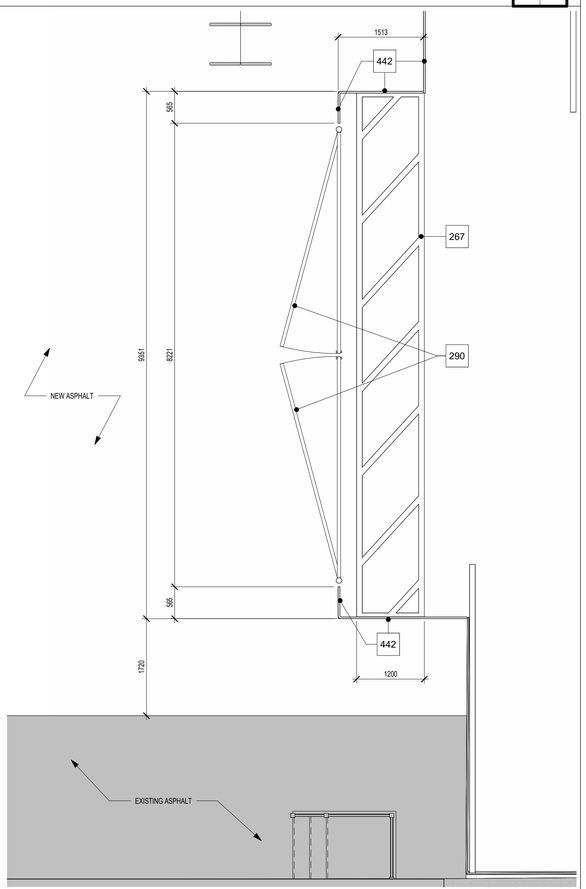
Typical Cain-LInk Fence — 5 / A0.73 — 1 : 50



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
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 DETAILS

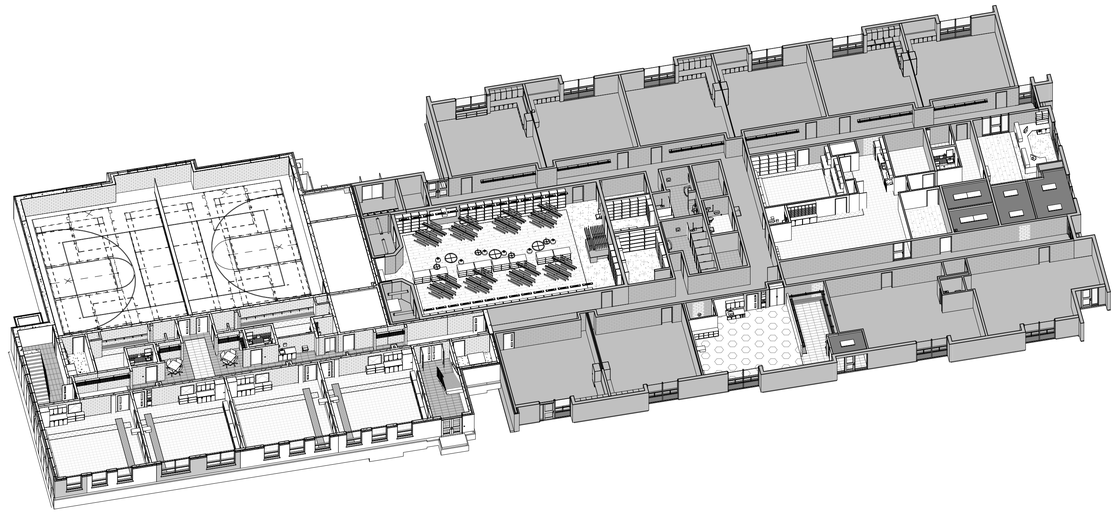
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:05:19 PM

drawing number:

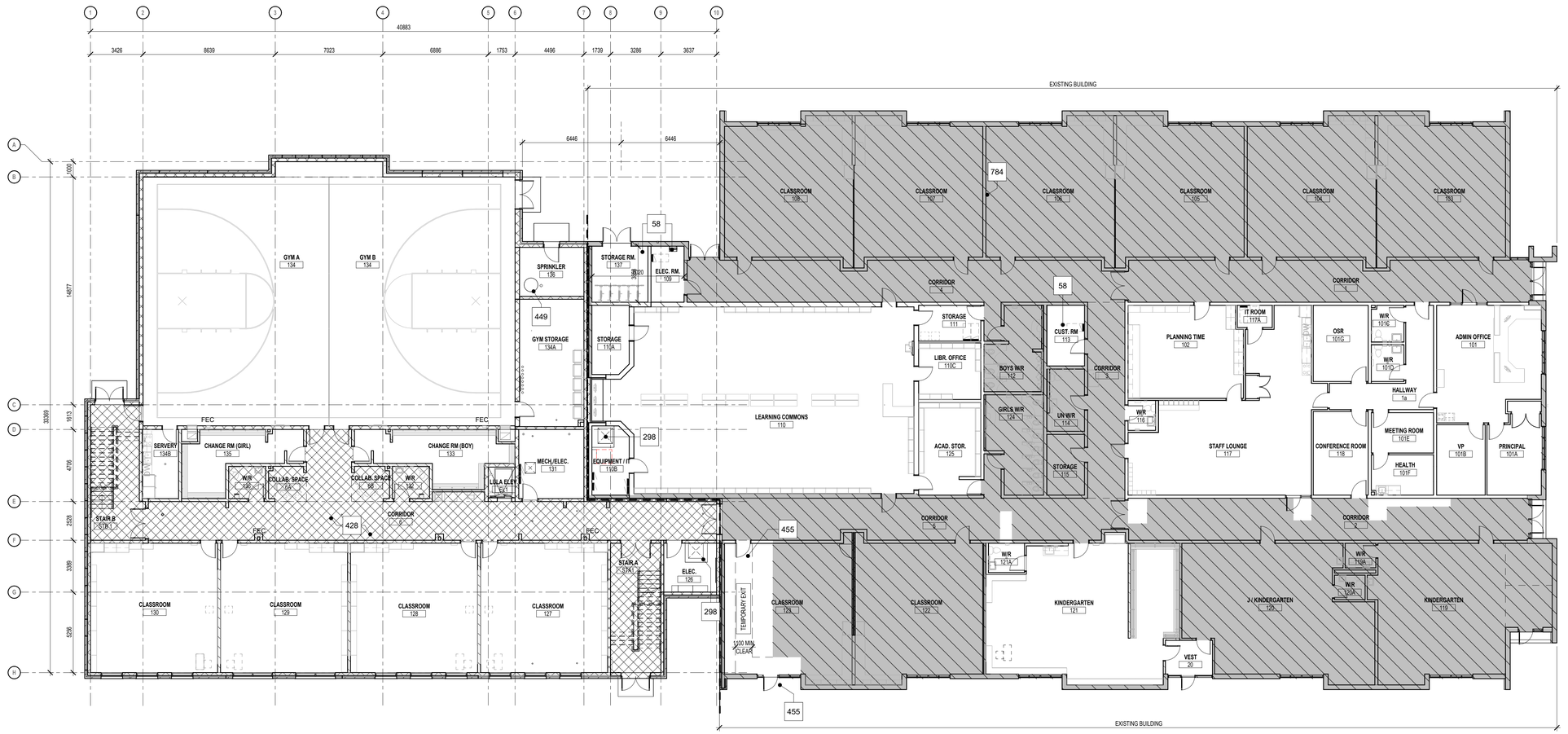
A0.73

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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#	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

PROPOSED FLOOR PLAN - LEVEL 1

PN TN

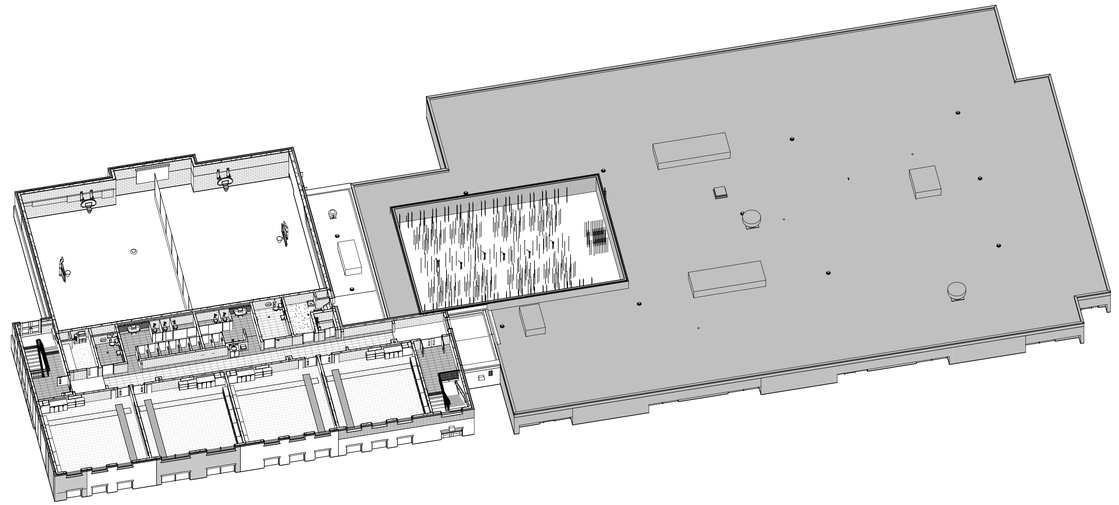
scale:	1 : 150
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:05:35 PM

drawing number:

A0.90

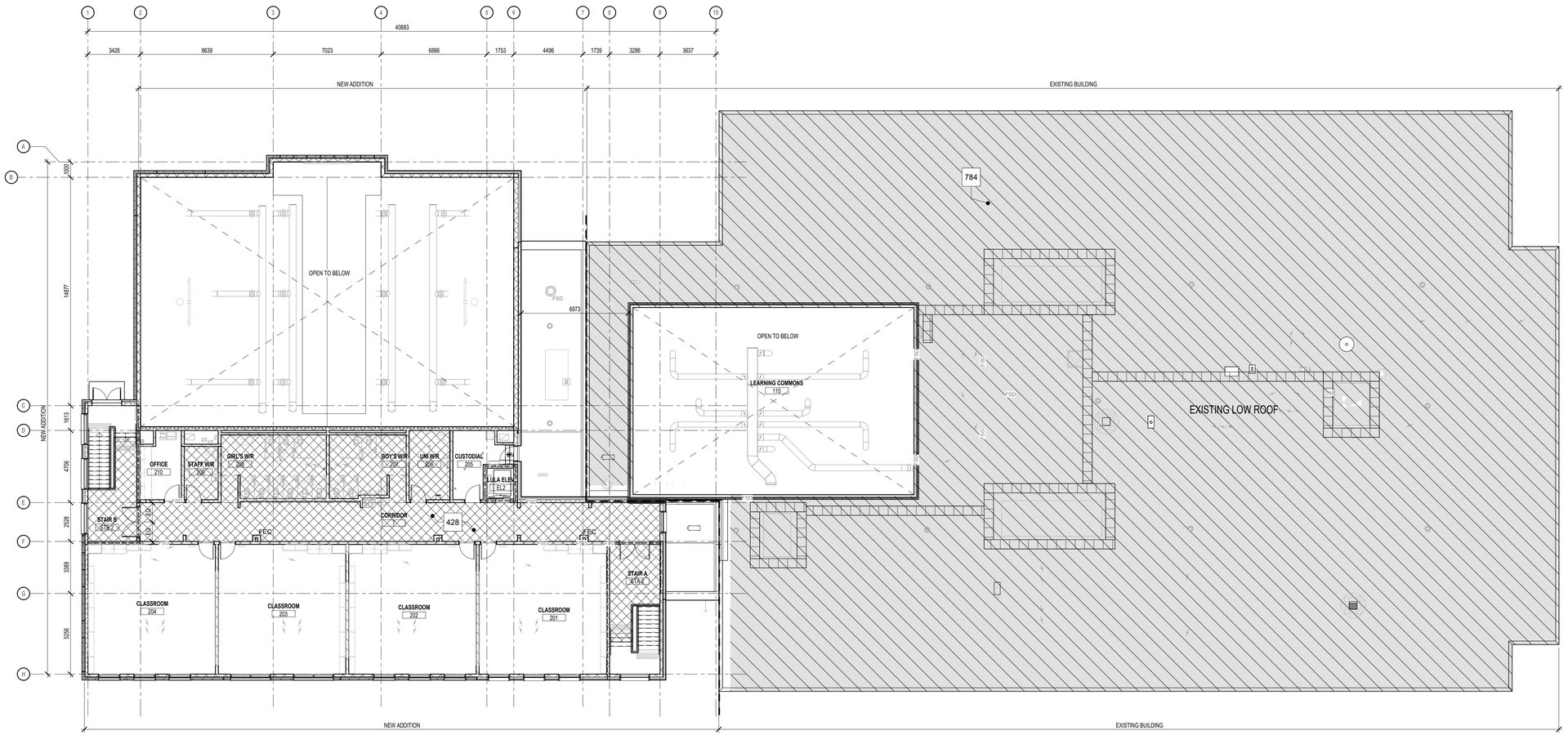
Keynote Legend

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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#	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

PROPOSED FLOOR PLAN - LEVEL 2

PN TN

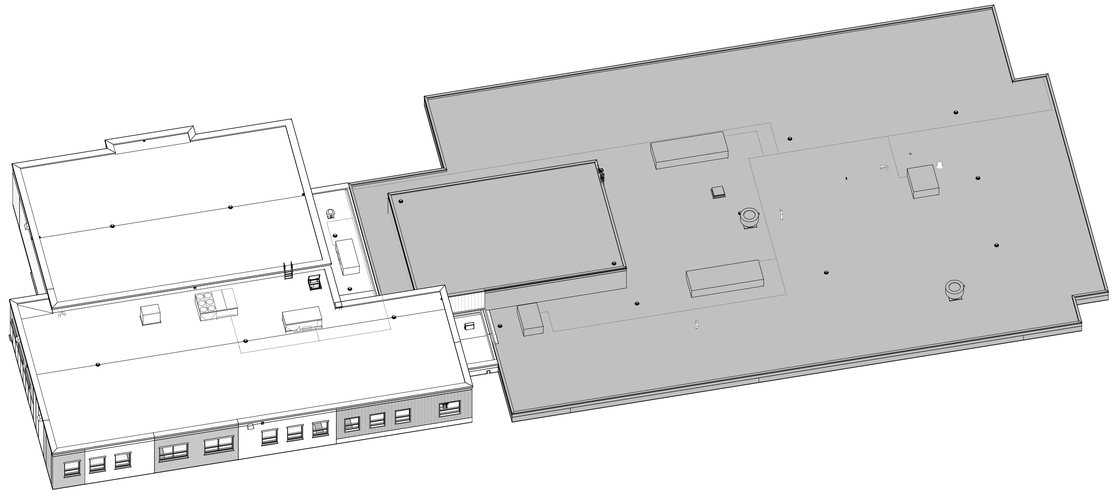
scale:	1 : 150
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:05:49 PM

drawing number:

A0.91

Keynote Legend

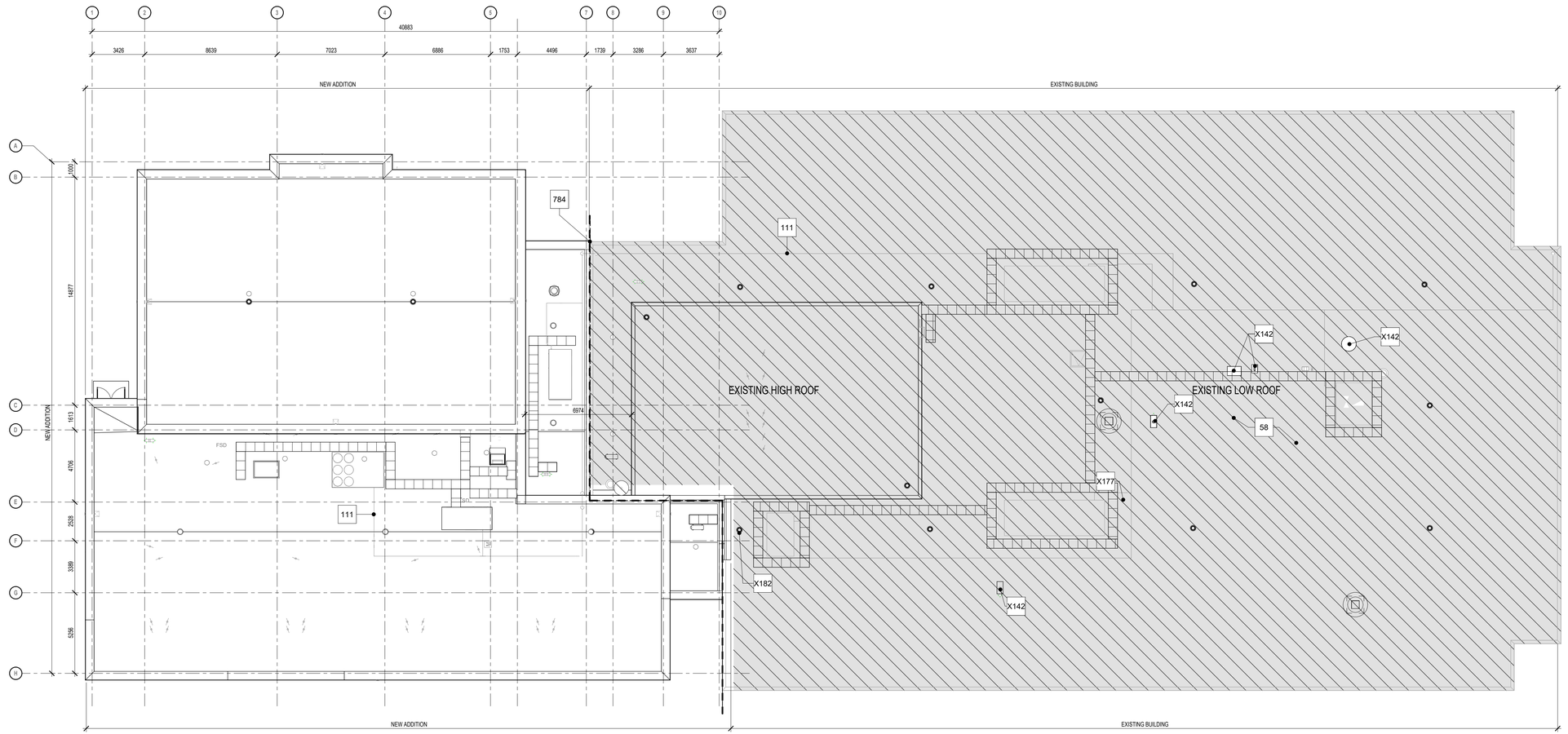
Item	Description
58	GENERAL CONTRACTOR TO COORDINATE ALL WORK IN THIS AREA WITH MECHANICAL AND ELECTRICAL DRAWINGS
111	GAS LINE AND ROOF SUPPORTS. (REFER TO MECANICAL).
784	EXPANSION JOINT.
X142	GC TO COORDINATE ALL WORK ON THE ROOF WITH (STRUCTURAL, MECHANICAL AND ELECTRICAL). ROOFING SUBTRADE TO MAKE 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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7	2026.04.24	Issued For Tender
6	2025.10.31	Revised SPA Comments
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1	2025.07.11	70% Client Review

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St. Mark CES Addition

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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.

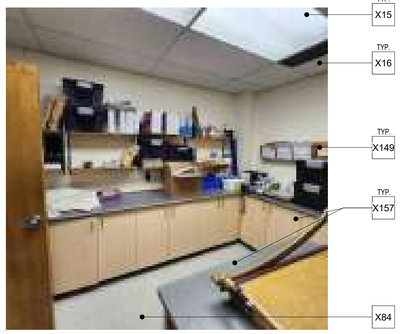


PHOTO 12

PHOTO 8

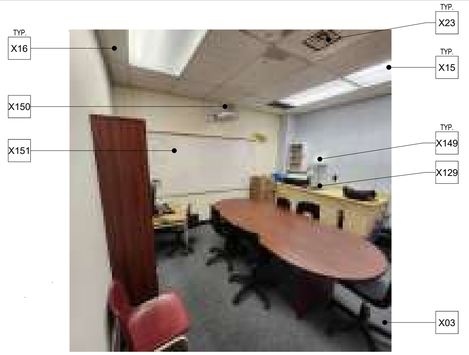


PHOTO 4

PHOTO 11

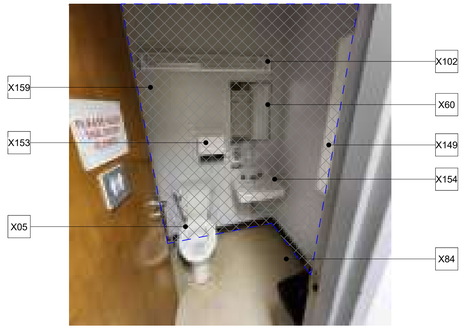
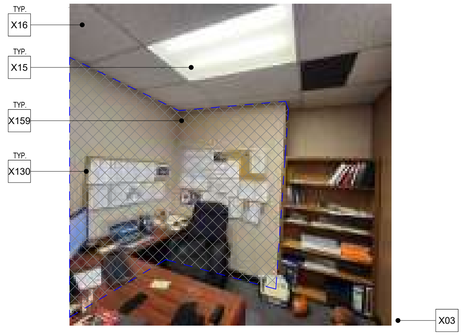


PHOTO 7



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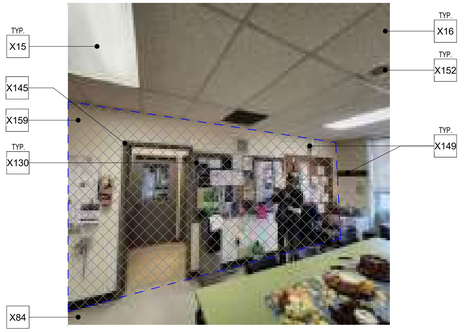

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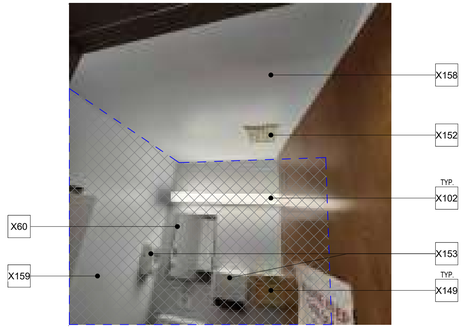

PHOTO 6

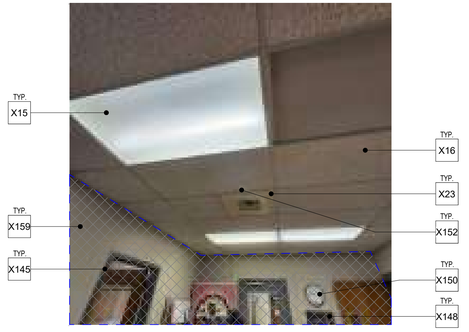

PHOTO 2

PHOTO 9

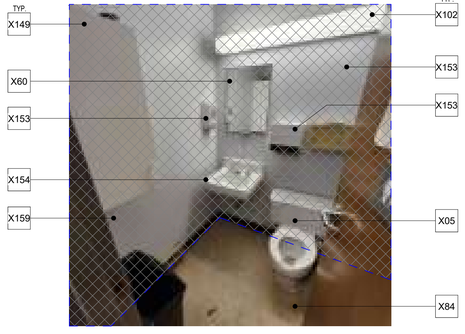

PHOTO 5

PHOTO 1

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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

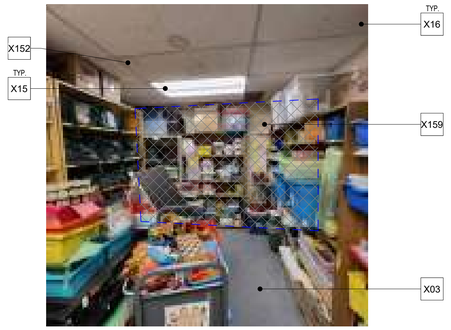
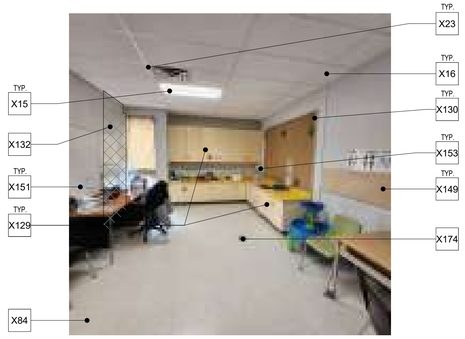


PHOTO 16

PHOTO 23



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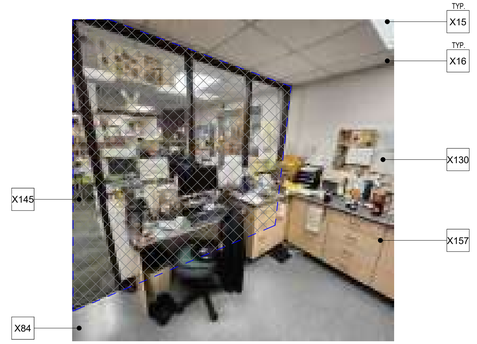

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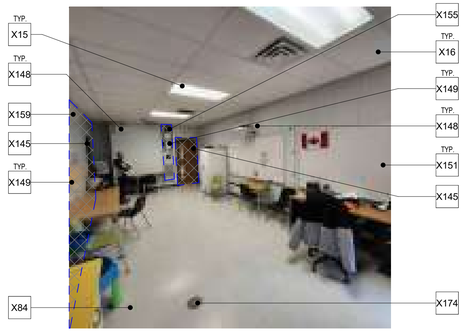

PHOTO 18

PHOTO 14

PHOTO 21

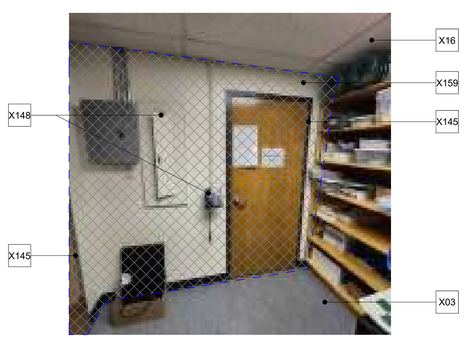

PHOTO 17

PHOTO 13

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DEMOLITION PHOTOS - LEVEL 1

scale:	1 : 100
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reviewed by:	GG/CS
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drawing number:

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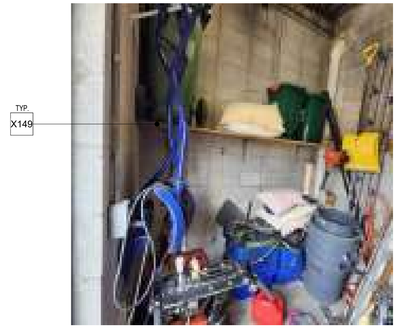
Keynote Legend

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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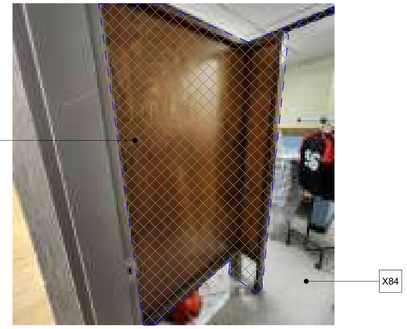
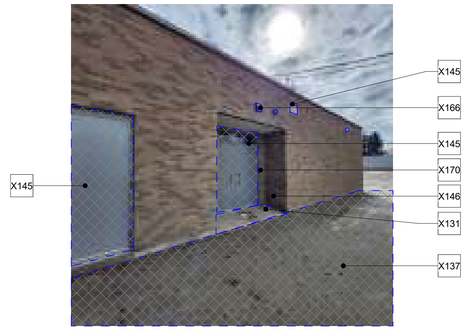


PHOTO 28

PHOTO 35



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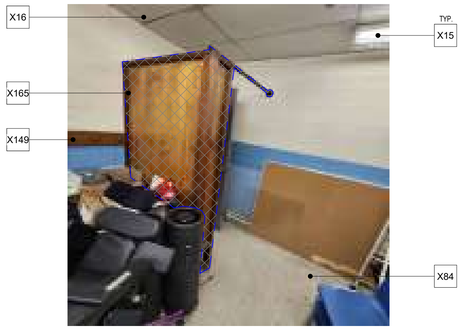

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PHOTO 34

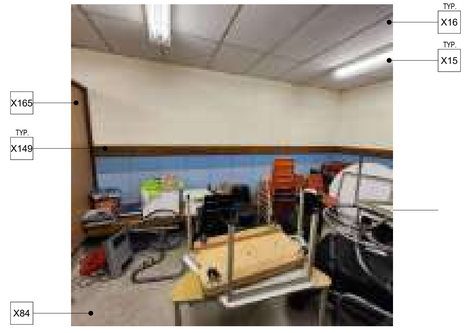

PHOTO 30

PHOTO 26

PHOTO 33

PHOTO 29

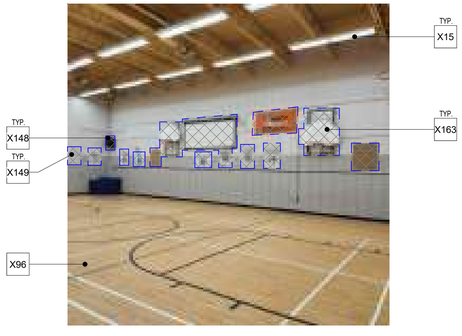

PHOTO 25

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drawing number:

A1.30c

Keynote Legend

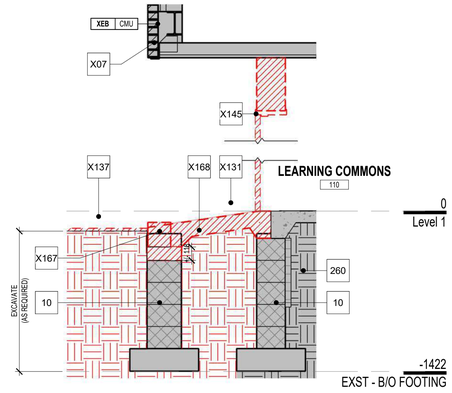
Item	Description
10	EXISTING FOUNDATION (REFER TO STRUCTURAL)
58	GENERAL CONTRACTOR TO COORDINATE ALL WORK IN THIS AREA WITH MECHANICAL AND ELECTRICAL DRAWINGS
260	EXISTING SUBGRADE.
X02	GC TO REMOVE THE EXISTING COUNTERTOP AND FAUCET, DISPOSE OF THEM PROPERLY, AND REPLACE WITH NEW QUARTZ COUNTERTOP (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:

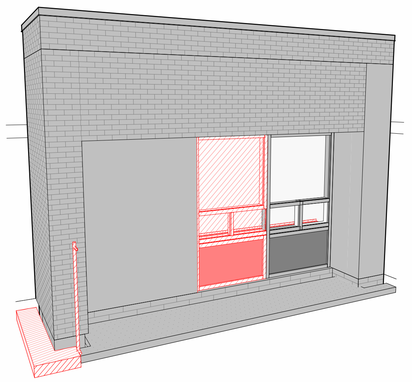
1. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR WILL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS REQUIRED TO PERFORM THE WORK AND WILL REPORT ANY DISCREPANCIES WITH THE CONTRACT DOCUMENTS TO THE ARCHITECT BEFORE COMMENCING WORK.
2. THE ARCHITECTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER 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 TECHNIQUES OF CONSTRUCTION.
8. THESE DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY NOTED FOR SUCH PURPOSE.

DEMOLITION PLAN LEGEND:

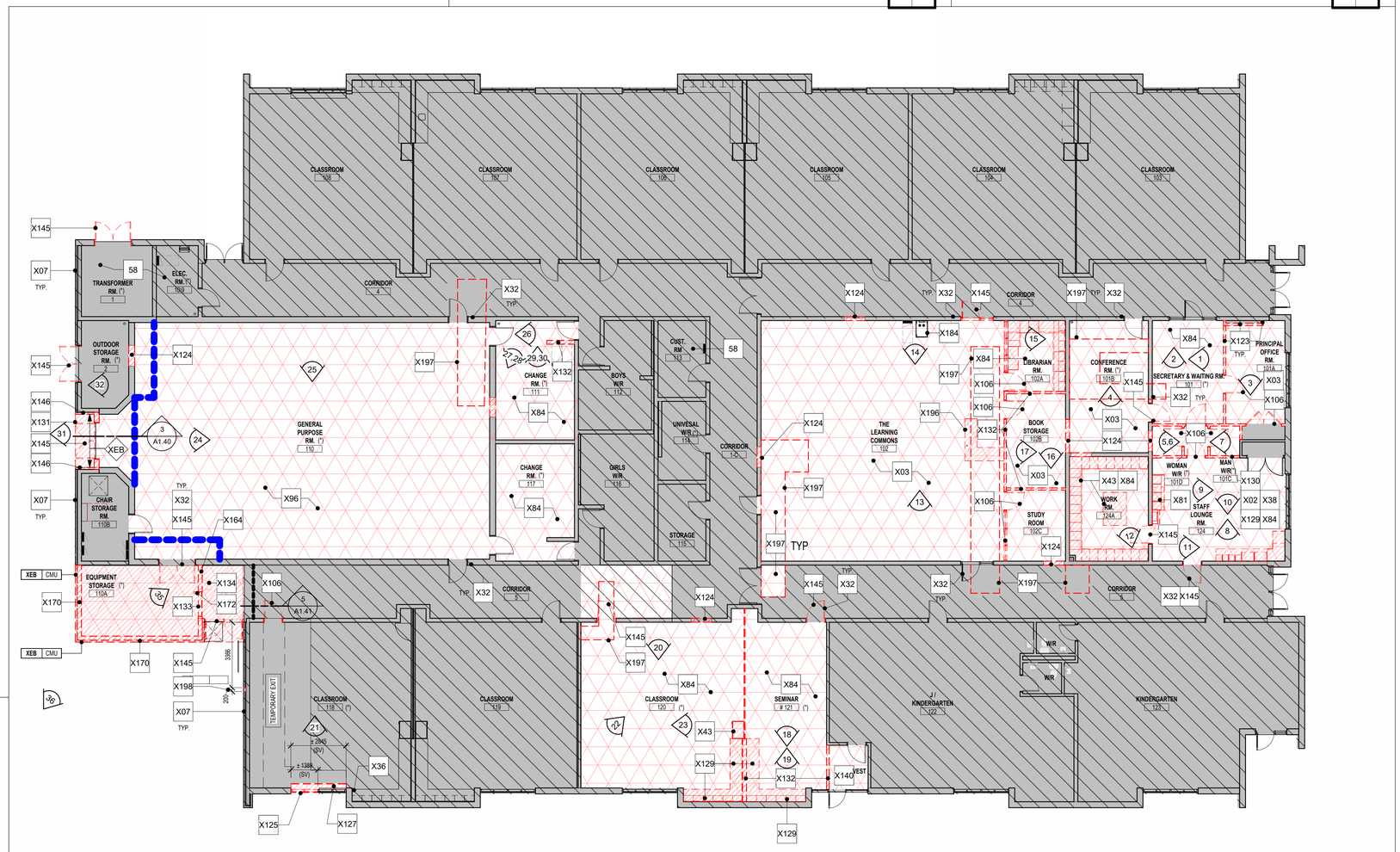
- EXISTING INTERIOR PARTITION TO BE DEMOLISHED
- EXISTING DOOR AND FRAME TO BE DEMOLISHED
- EXISTING INTERIOR PARTITION TO REMAIN
- EXISTING EXTERIOR WALL TO REMAIN
- PROPOSED LOCATION OF TEMPORARY HOARDING PARTITIONS (REFER TO PHASING DRAWING)
- DEMOLISH EXISTING GWB AND EXISTING POLY VAPOUR BARRIER 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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7	2026.04.24	Issued For Tender
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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

DEMOLITION PLAN - LEVEL 1

PN TN

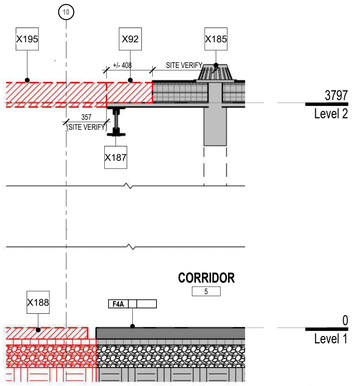
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:06:32 PM

drawing number:

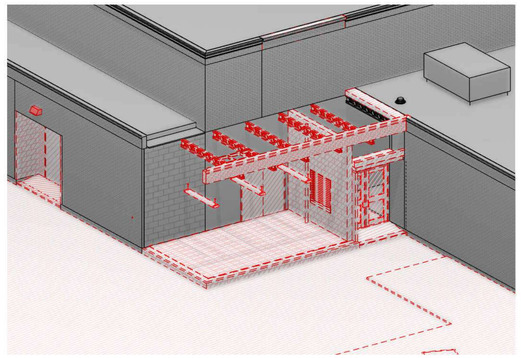
A1.40

Keynote Legend

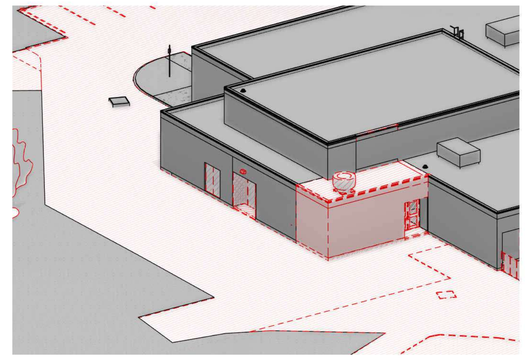
Item	Description
58	GENERAL CONTRACTOR TO COORDINATE ALL WORK IN THIS AREA WITH MECHANICAL AND ELECTRICAL DRAWINGS
X92	EXISTING ROOF ASSEMBLY TO BE REMOVED DOWN TO EXISTING STRUCTURE AND DISPOSED OF. ONCE THE REMOVAL AND DISPOSAL OF EXISTING ROOFING IS COMPLETE GC/ROOFING CONTRACTOR TO MAKE THE EXISTING 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

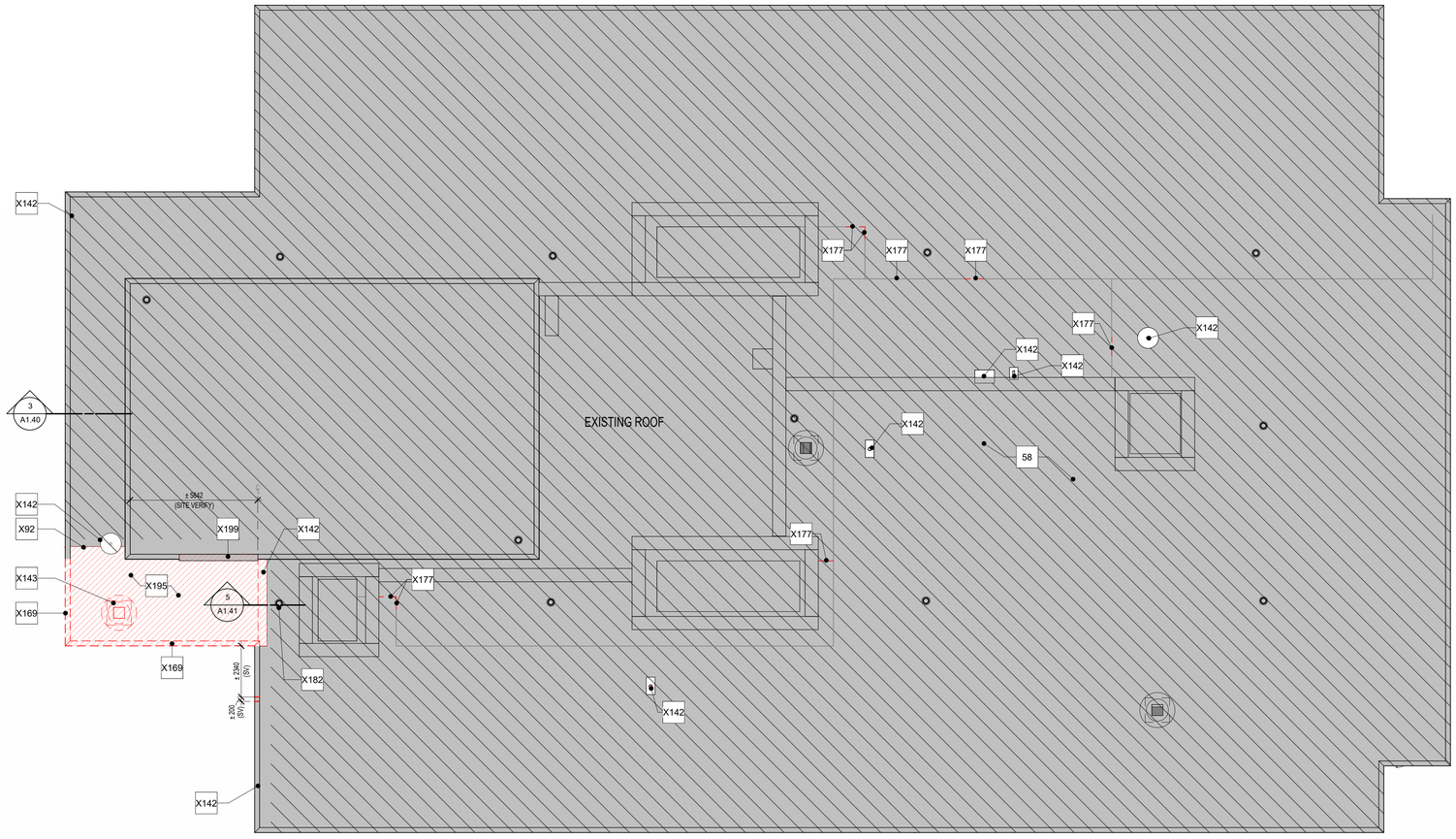
Sym.	Description
	NOT IN SCOPE OF WORK
	EXISTING FLOOR FINISH TO BE DEMOLISHED
	AREA OF WORK/DEMOLITION
	AREA OF PLUMBING WORK (REFER TO MECHANICAL)
	INDICATES DIRECTION OF CAMERA
RD	EXISTING ROOF DRAIN TO BE REMOVED
(*)	**DESIGNATED SUBSTANCE REPORT and RELATED WORK: GENERAL CONTRACTOR IS RESPONSIBLE 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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1	2025.07.11	70% Client Review

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St. Mark CES Addition

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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

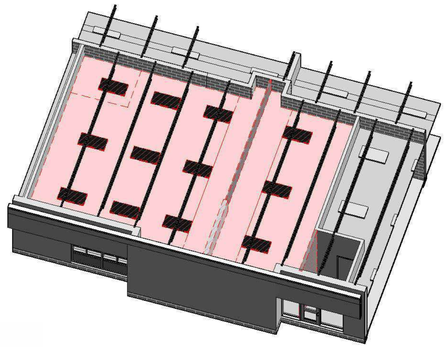
Item	Description
431	COORDINATE ALL CEILING WORK FOR NEW PLUMBING LINES (REFER TO MECHANICAL). CONTRACTOR TO COORDINATE CEILING WORK WITH CLIENT AND PERFORM WORK WITH AS MINIMAL DISRUPTION AND REMOVAL OF EXISTING CEILING TILES AS POSSIBLE.
X15	REMOVE AND DISPOSE OF PROPERLY EXISTING LIGHT FIXTURES. (REFER 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

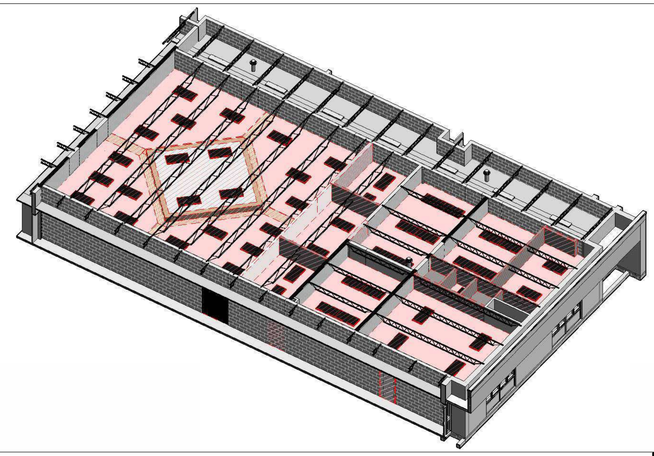
Sym.	Description
	NOT IN SCOPE OF WORK
	EXISTING FLOOR FINISH TO BE DEMOLISHED
	AREA OF WORK/DEMOLITION
	AREA OF PLUMBING WORK (REFER TO MECHANCIAL)
	INDICATES DIRECTION OF CAMERA
RD	EXISTING ROOF DRAIN TO BE REMOVED
(*)	**DESIGNATED SUBSTANCE REPORT and RELATED WORK: GENERAL CONTRACTOR IS RESPONSIBLE 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:

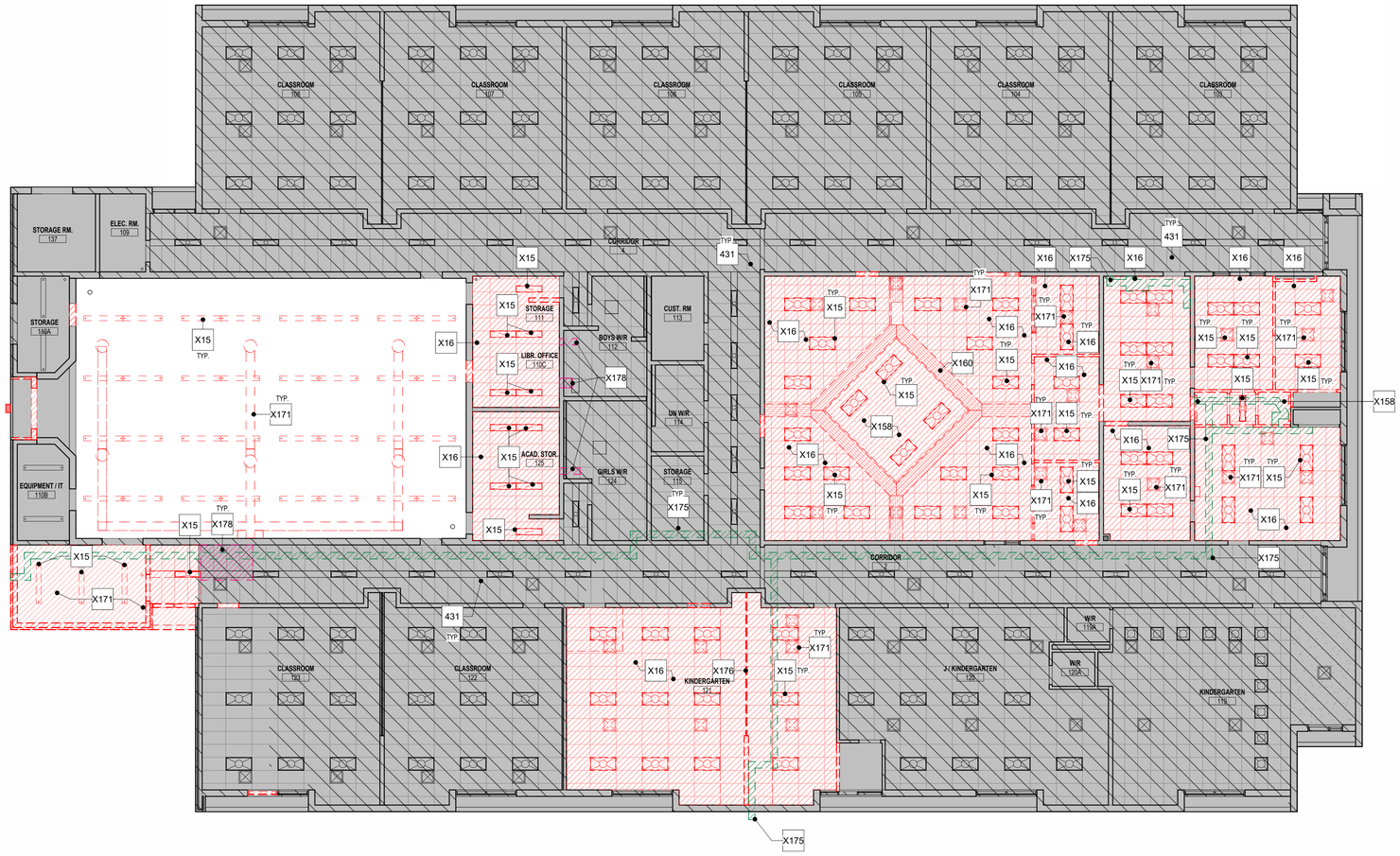
1. PRIOR TO THE GENERAL CONTRACTOR GAINING ACCESS TO THE SITE, THE CLIENT SHALL REMOVE ALL NON-FIXED FURNITURE, WALL MOUNTED ITEMS, LOOSE ITEMS, ETC., IN ALL AREAS WHERE DEMOLITION IS TO OCCUR AND SHALL REINSTATE THEM AFTER CONTRACT IS COMPLETED.
2. SHOULD ANY ITEMS REMAIN ON WALLS TO BE DEMOLISHED CONTRACTOR 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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St. Mark CES Addition

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DEMOLITION RCP - LEVEL 1

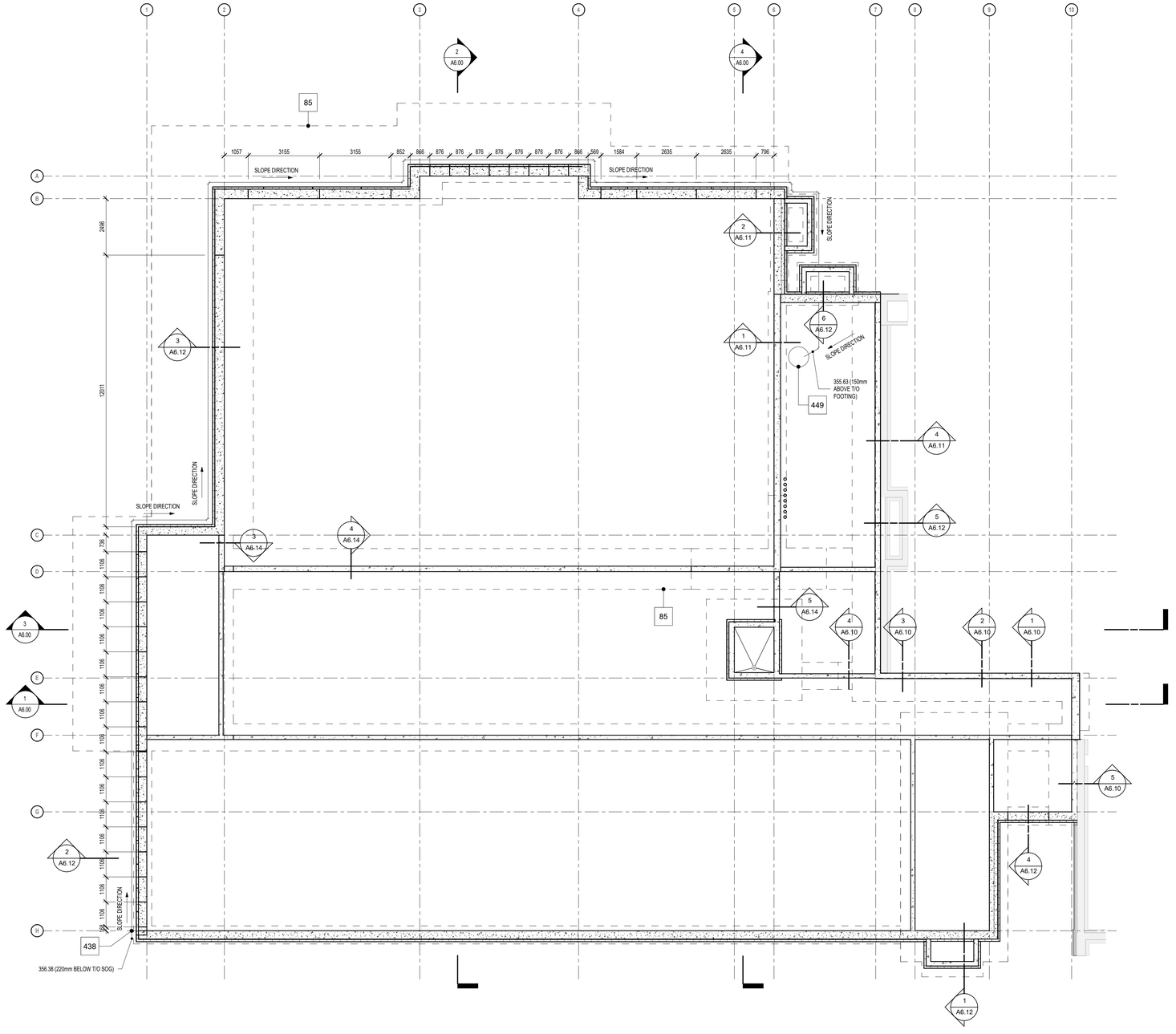
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:06:50 PM

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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SLAB EDGE - FOUNDATION

PN TN

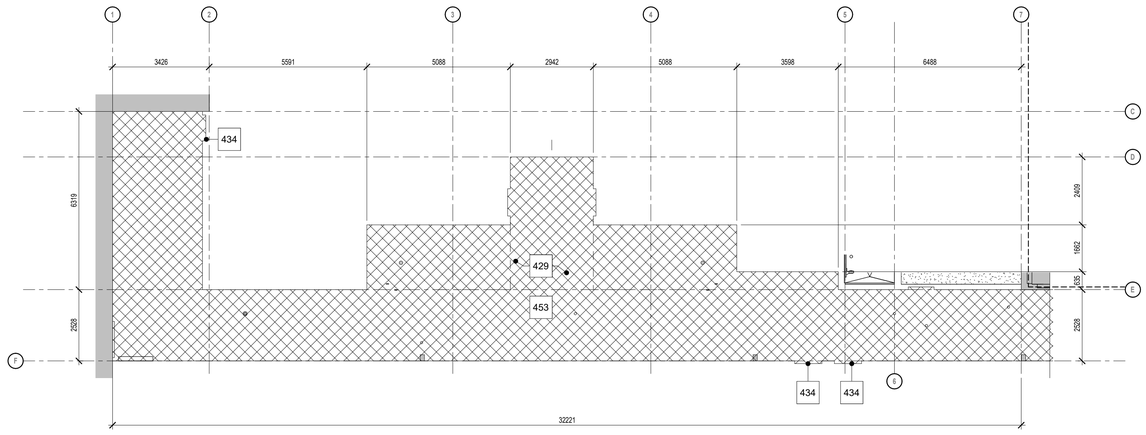
scale:	1 : 100
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:06:54 PM

drawing number:

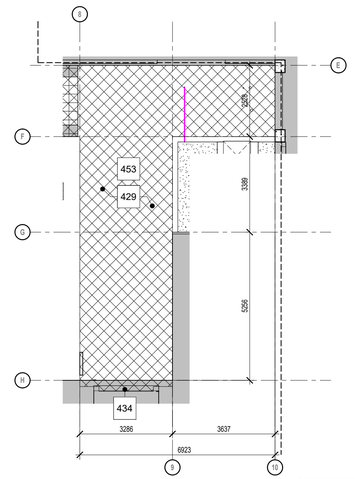
A2.00

Keynote Legend

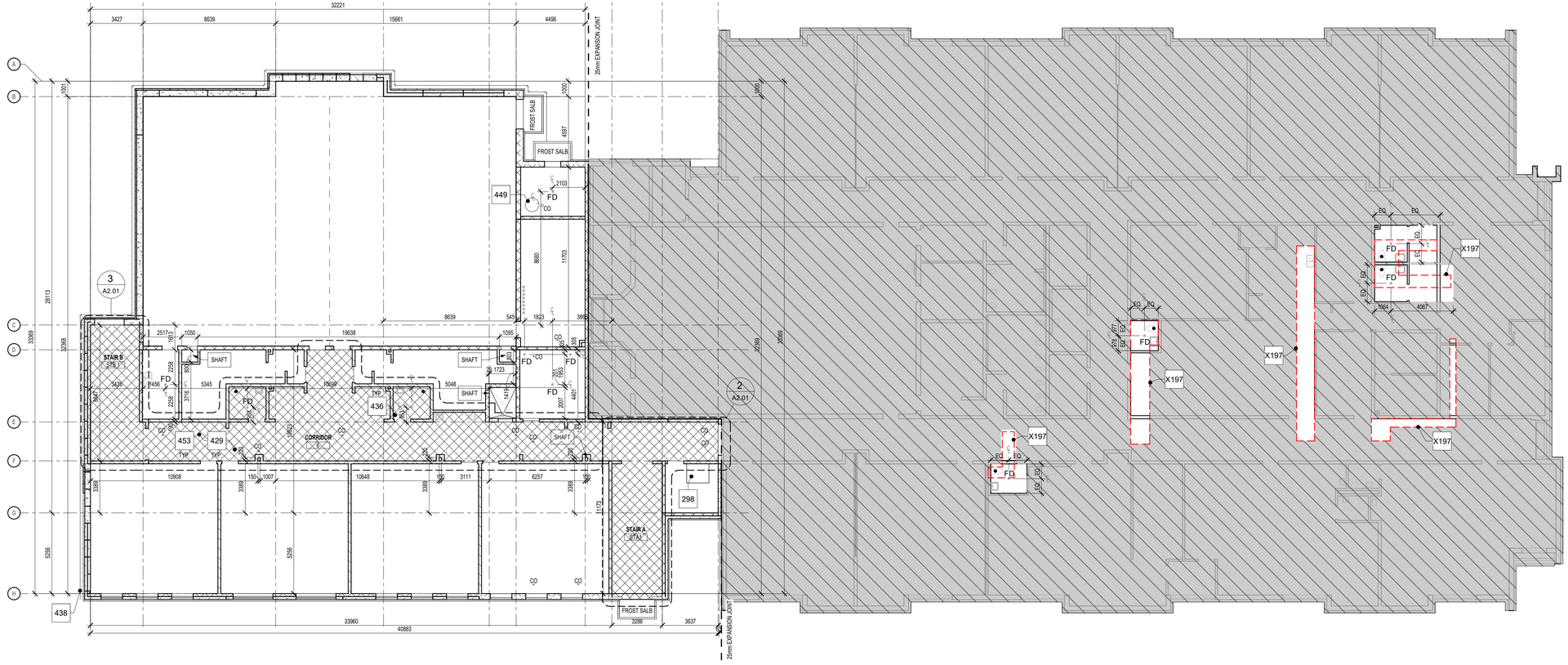
Item	Description
298	CONCRETE PAD (REFER TO ELECTRICAL).
428	HATCHED AREA DENOTES AREA TO DEPRESS CONC. SLAB 20mm FOR INSTALLING PORCELAIN TILE.
429	DEPRESS CONC. SLAB 20mm FOR INSTALLING PROCELAIN TILE.
434	GC TO COORDINATE TILE EDGE WITH DOOR JAMB LOCATION. GC TO PROVIDE SCHLUTER TRIM AT TRANSITION 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



Level 1 Depressed Slab - Callout 2 (A2.01/A2.01) 1 : 100



Level 1 - Slab Edge 1 (A1.40/A2.01) 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

SLAB EDGE - LEVEL 1

PN TN

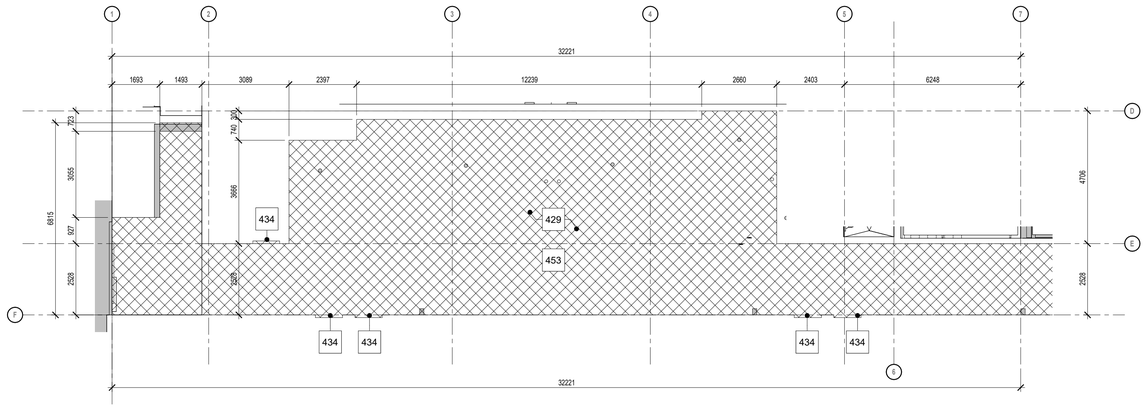
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:07:01 PM

drawing number:

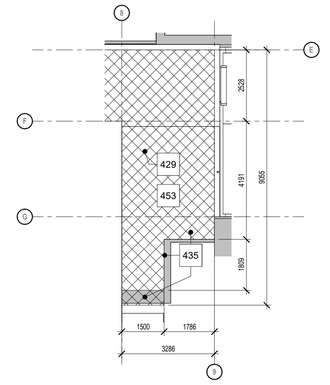
A2.01

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.



Level 2 Depressed Slab - Callout 3 A2.02/A2.02 1 : 100



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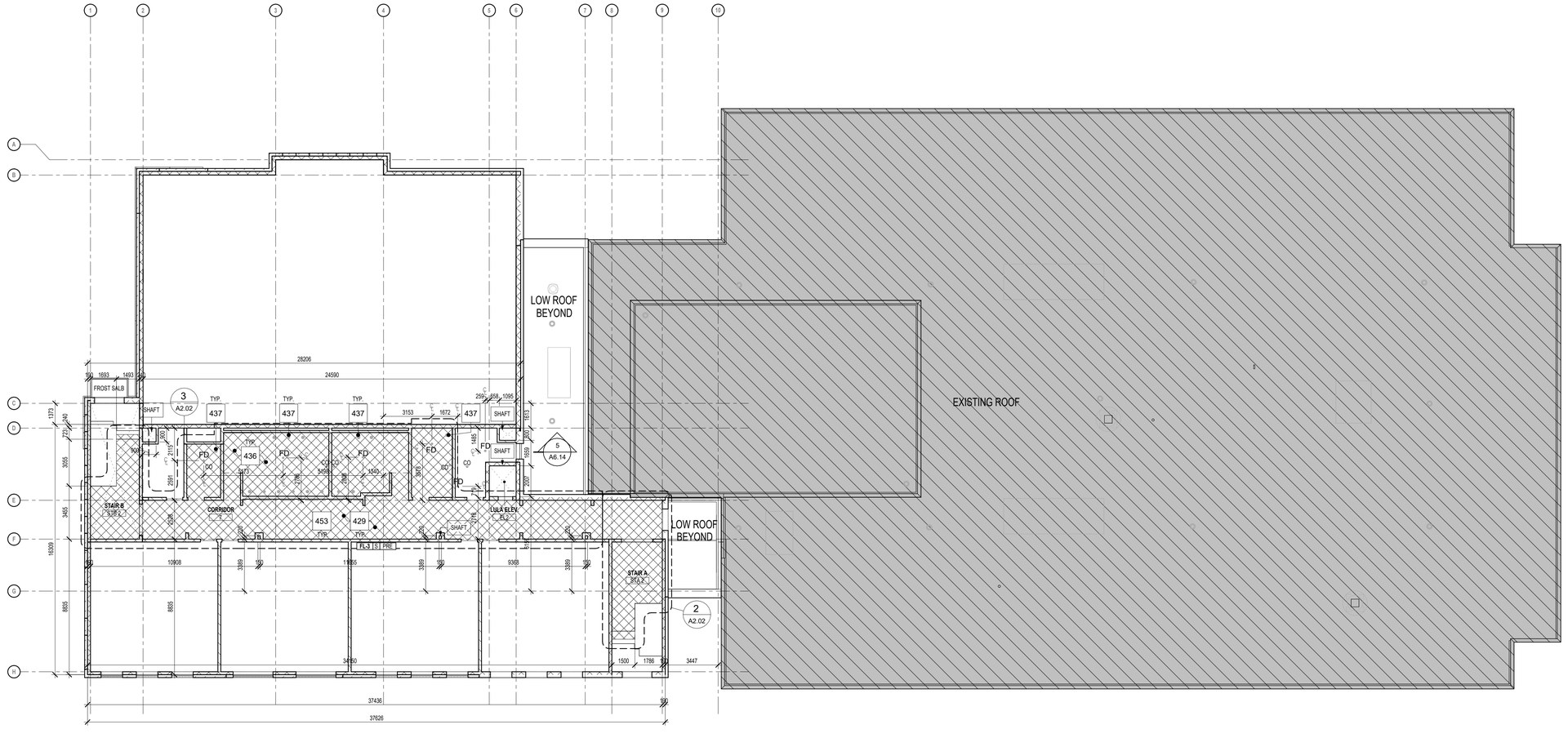

Level 2 & Existing Roof - Slab Edge 1 A1.41/A2.02 1 : 150

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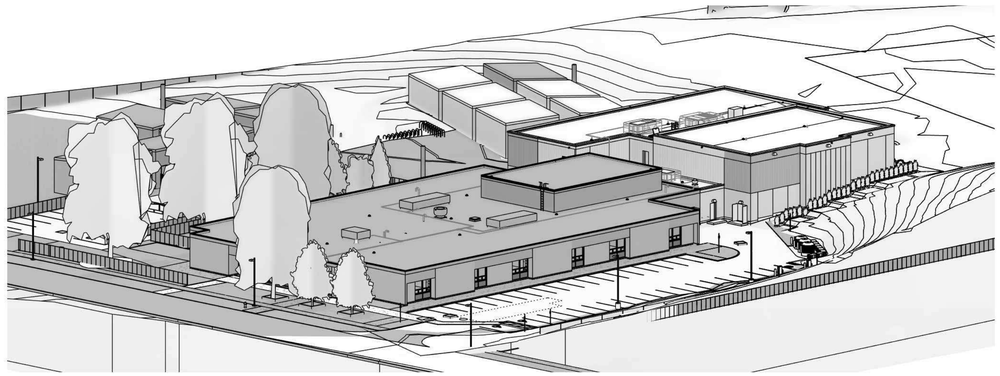
SLAB EDGE - LEVEL 2 & EXISTING ROOF

PN TN

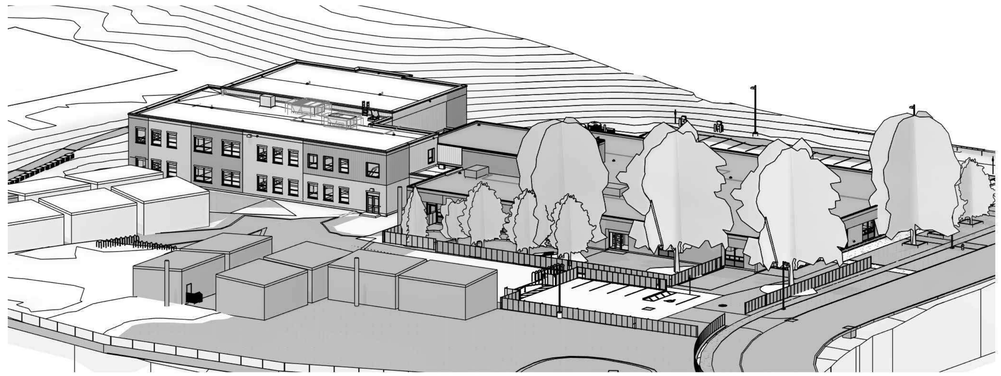
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:07:07 PM

drawing number:

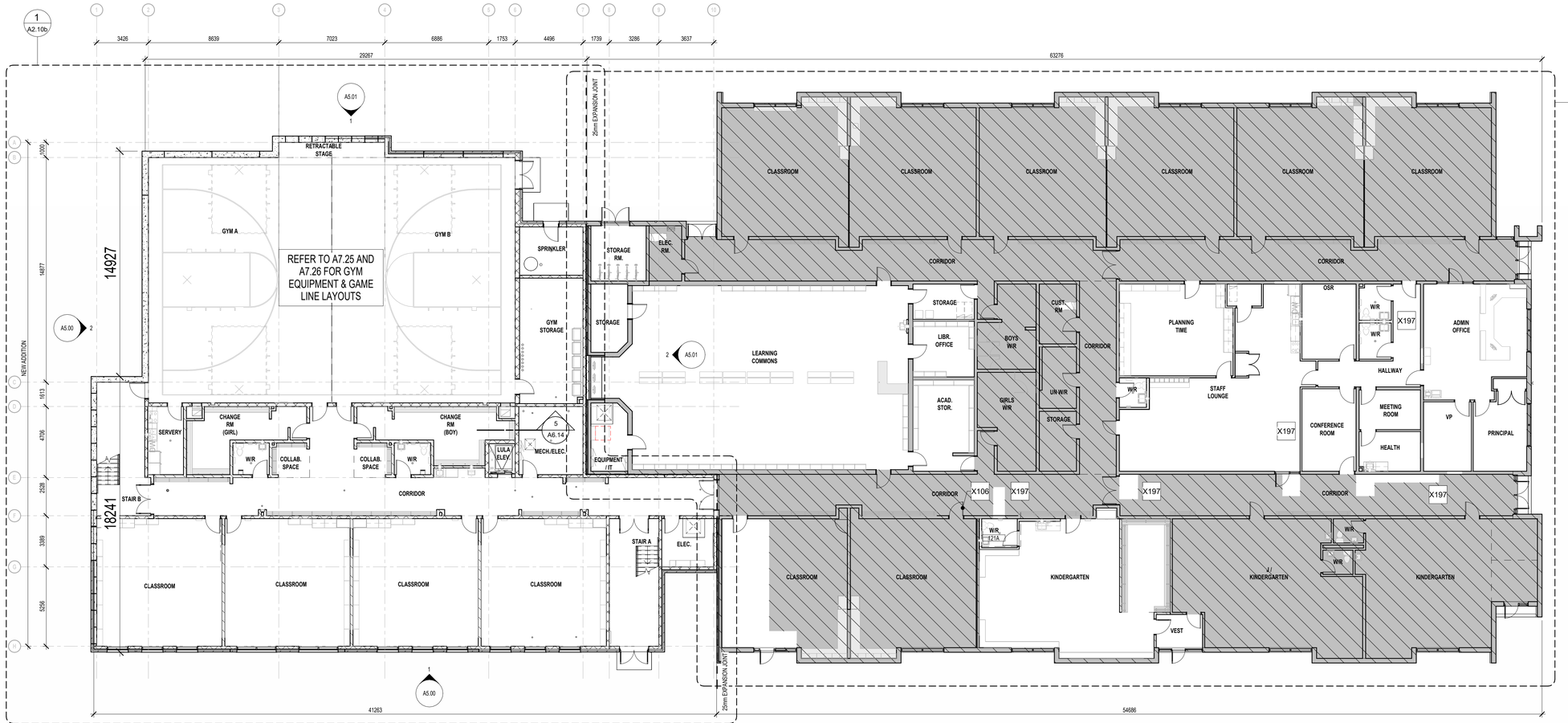
A2.02



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

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PROPOSED FRAMING PLAN - LEVEL 1

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:

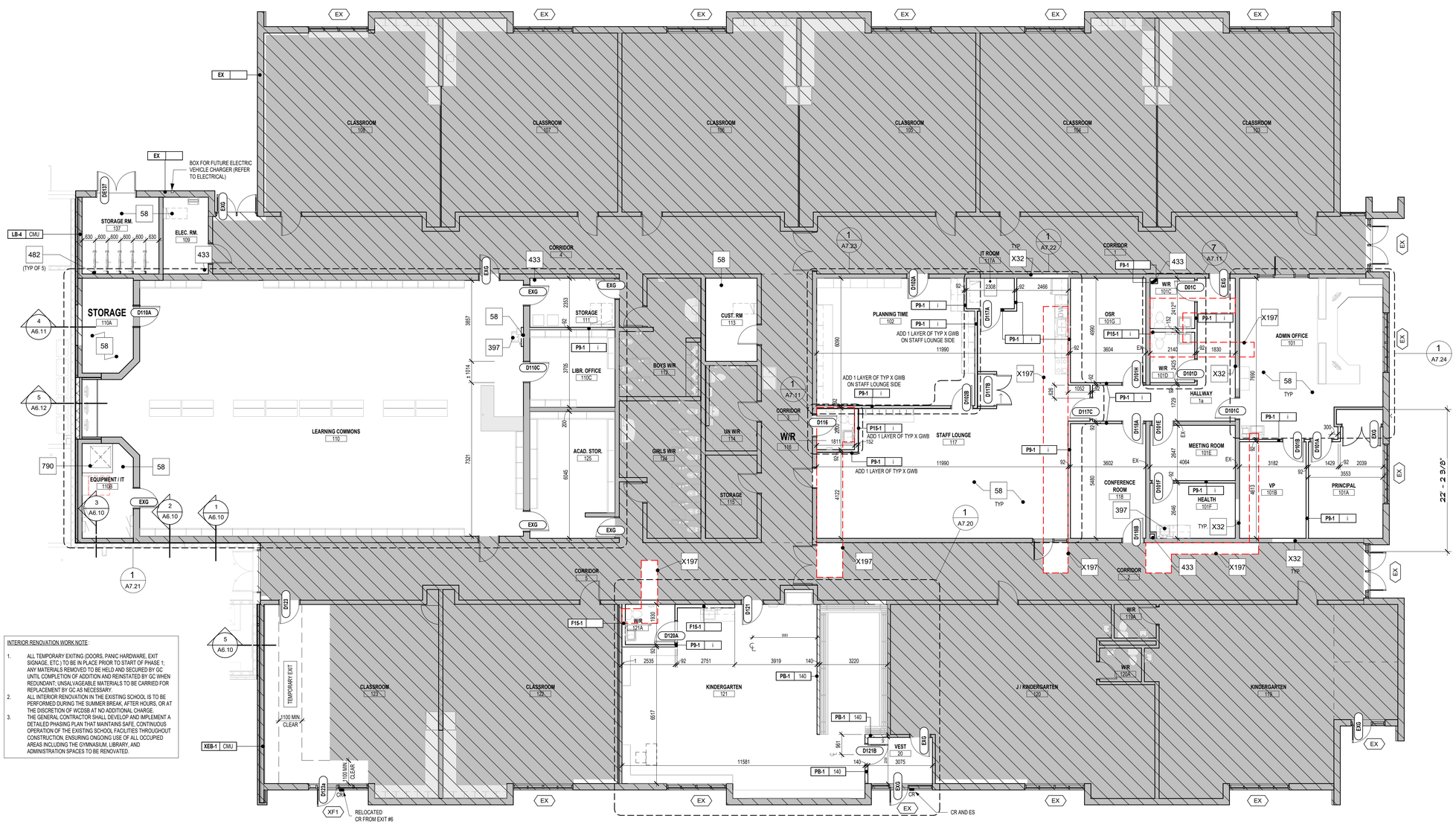
1. PRIOR TO THE GENERAL CONTRACTOR GAINING ACCESS TO THE SITE, THE CLIENT SHALL REMOVE ALL NON-FIXED FURNITURE, WALL MOUNTED ITEMS, LOOSE ITEMS, ETC., IN ALL AREAS WHERE DEMOLITION IS TO OCCUR AND SHALL REINSTATE THEM AFTER CONTRACT IS COMPLETED.
2. SHOULD ANY ITEMS REMAIN ON WALLS TO BE DEMOLISHED CONTRACTOR 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
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 — 1 : 100

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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

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PROPOSED FRAMING PLAN - LEVEL 1 - RENOVATION

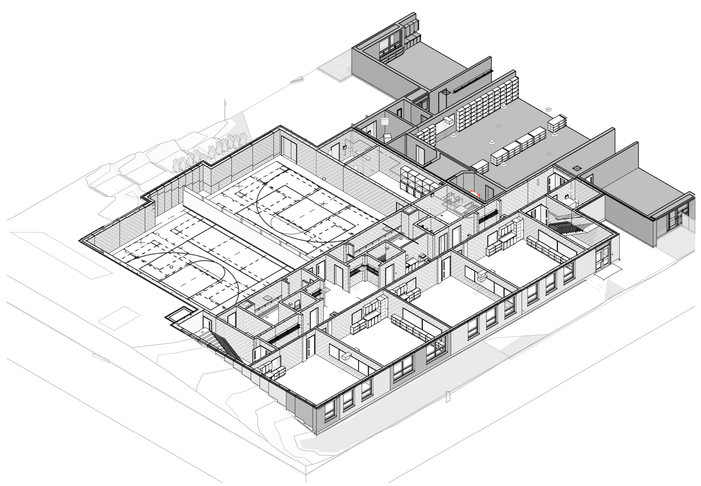
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:08:18 PM

drawing number:

A2.10a

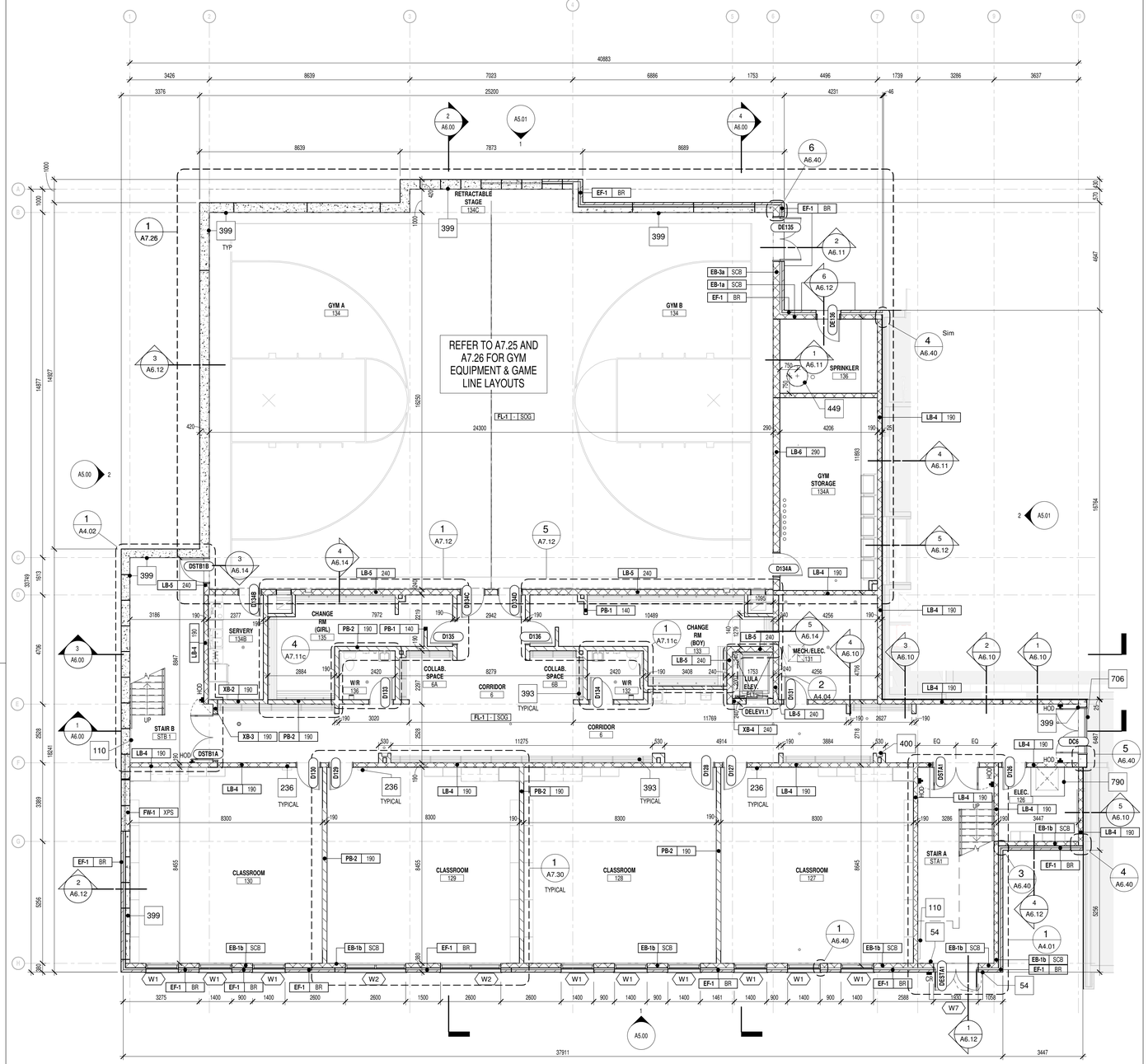
Keynote Legend

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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PROPOSED FRAMING PLAN - LEVEL 1 - NEW ADDITION

PN TN

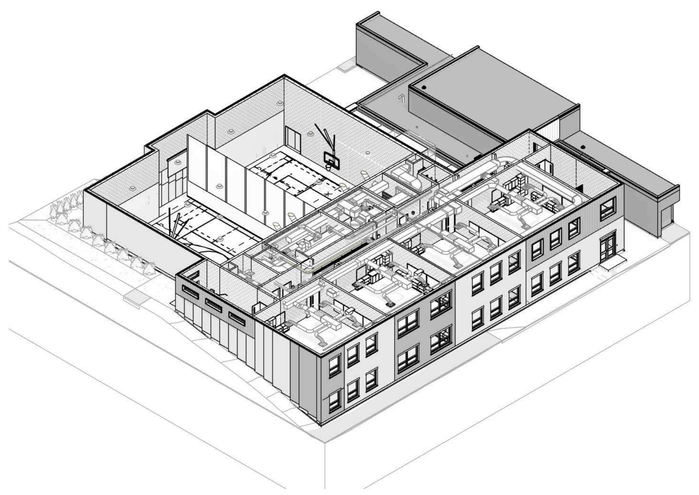
scale:	As indicated
drawn by:	AH
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-27 8:57:26 AM

drawing number:

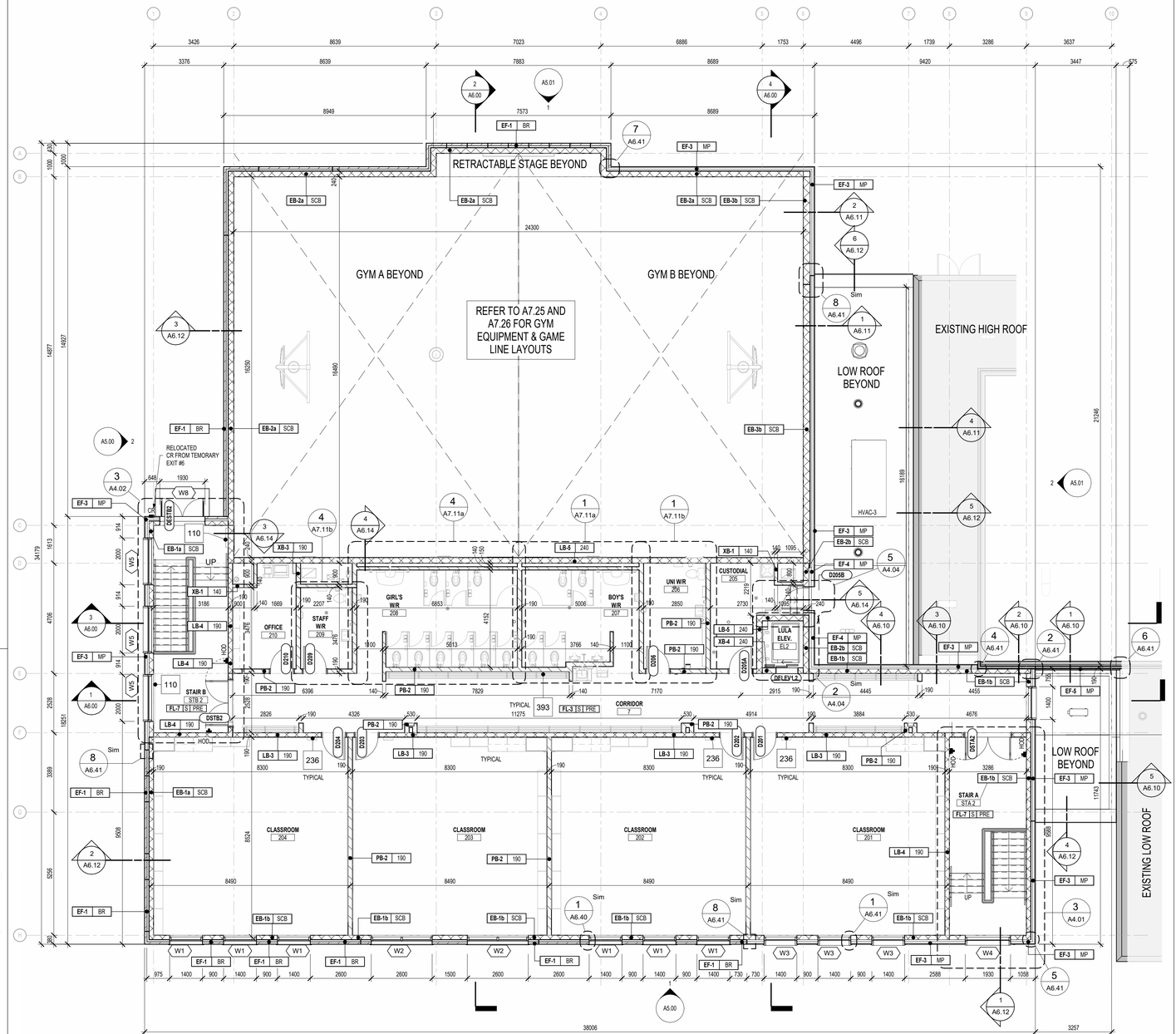
A2.10b

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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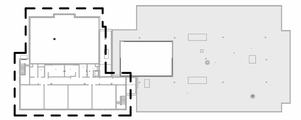

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job number:	25027
plot date:	2026-04-24 3:08:46 PM

drawing number:

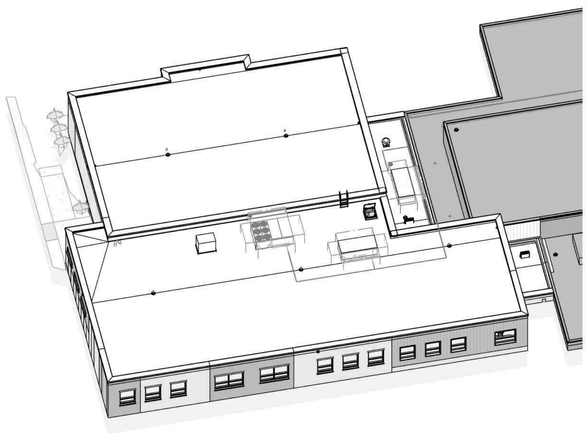
A2.11

Keynote Legend

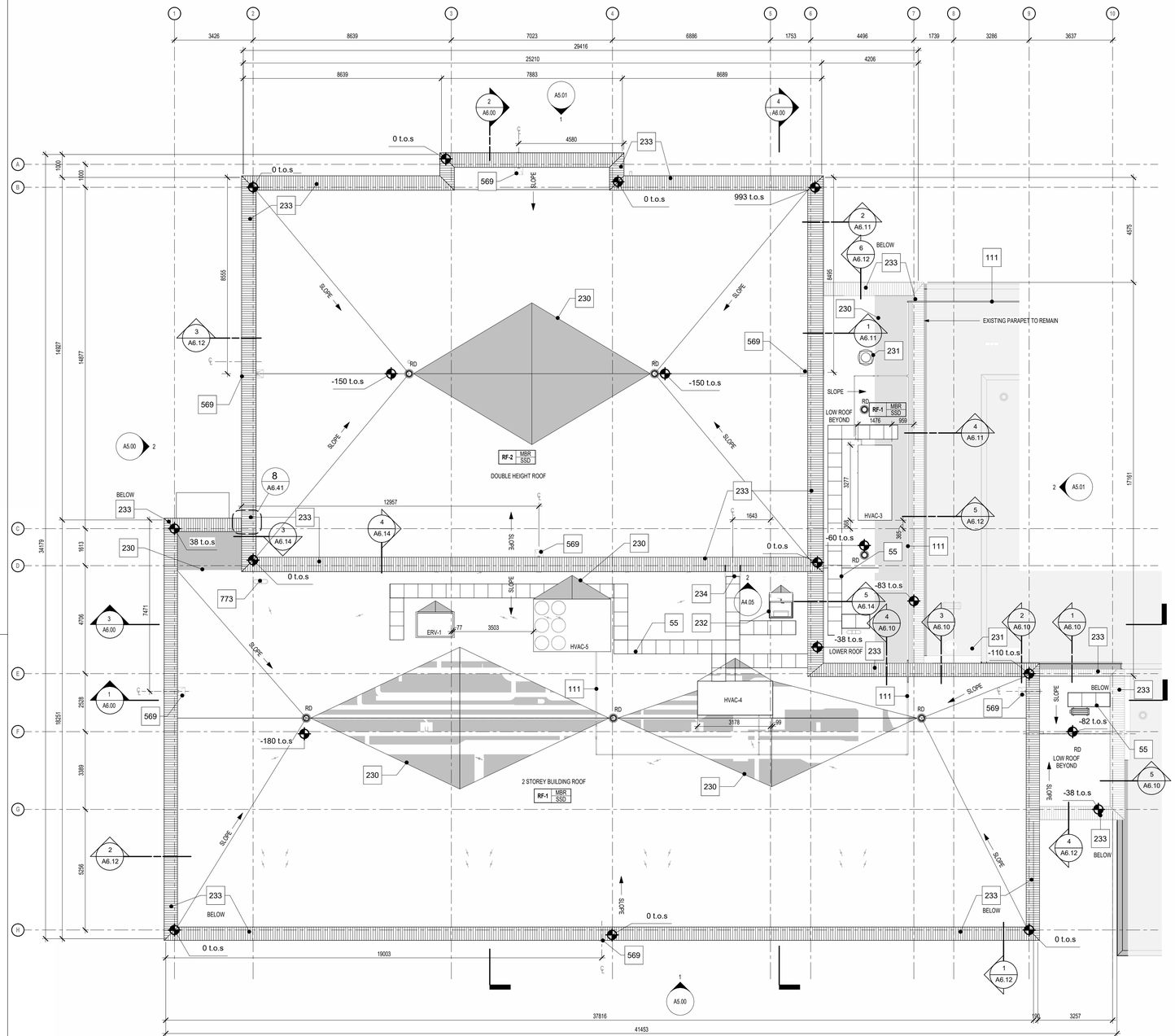
Item	Description
55	NEW ROOFING PAVERS ON 50mm (2") RIGID INSULATION. GENERAL CONTRACTOR TO CUT INSULATION INTO SQUARES WITH GROOVES ALLOWING WATER TO FLOW UNDERNEATH. (REFER TO SPECIFICATIONS AND LOCATIONS ON ROOF PLAN).
111	GAS LINE AND ROOF SUPPORTS. (REFER TO MECANICAL).
230	GREY HATCHED AREA DENOTES 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:

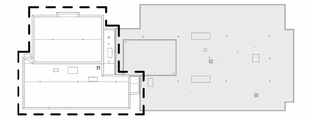
ROOF PENETRATIONS ARE TO BE FABRICATED FROM FIELD DIMENSIONS. NEW ROOF PENETRATIONS AND ROOF ENCLOSURE TO BE INSTALLED AS SPECIFIED (REFER TO MECHANICAL). GENERAL CONTRACTOR TO SITE INSTALL AIR BARRIER AND VAPOUR RETARDER AROUND OPENINGS COMPATIBLE WITH EXISTING BUILDING ENVELOPE ASSEMBLY. PROVIDE SPRAY 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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#	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
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St. Mark CES Addition

240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

PROPOSED FRAMING PLAN - ROOF PLAN

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

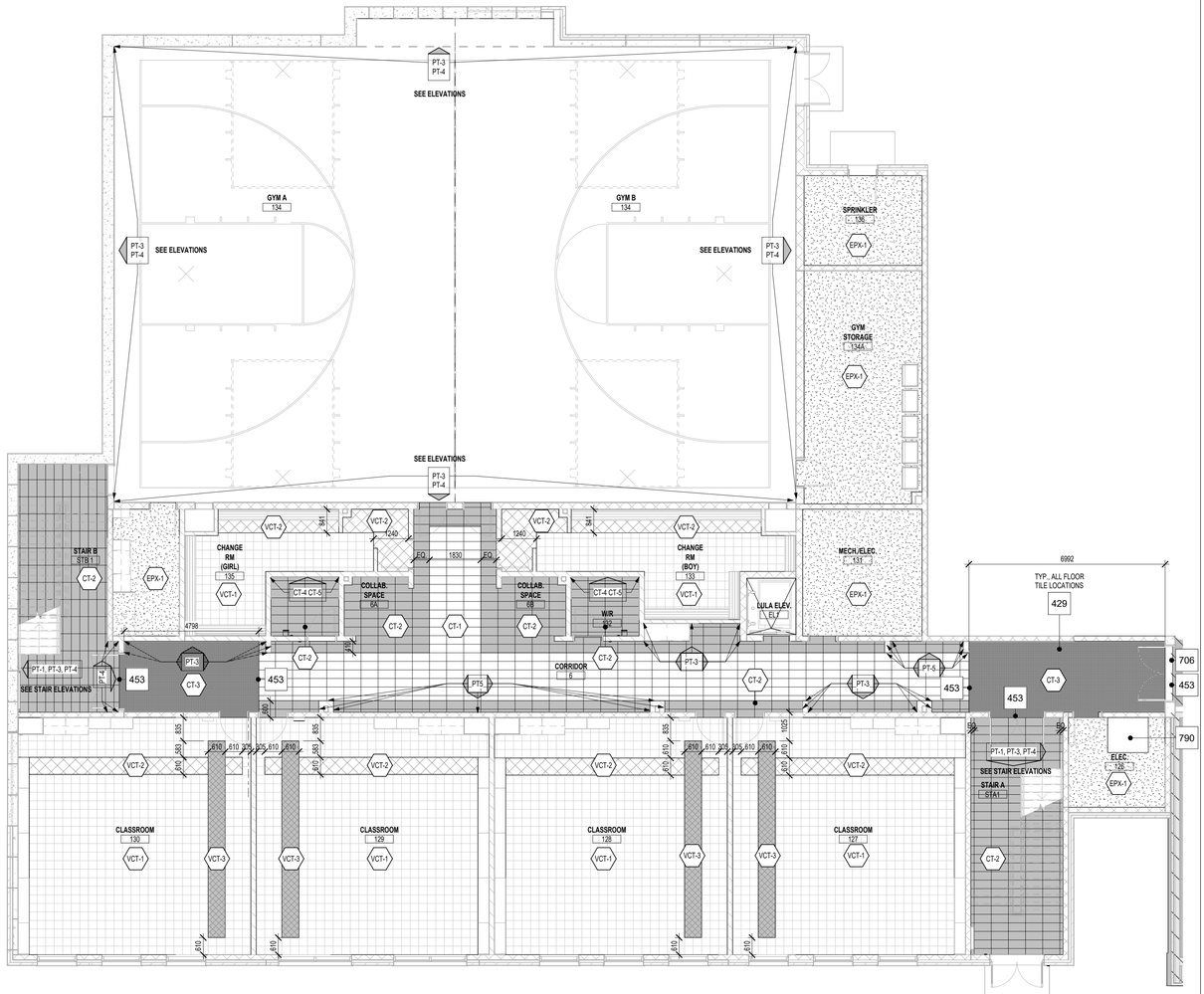
Item	Description
429	DEPRESS CONC. SLAB 20mm FOR INSTALLING PROCELAIN TILE.
453	TILE TO TILE TRANSITIONS ARE TO BE FLUSH. CONTRACTOR CARRY THE COST TO BUILD UP MORTAR BED WHERE REQUIRED.
706	FLOOR TO FLOOR EXPANSION JOINT COVER.
790	HOUSEKEEPING PAD (REFER TO ELECTRICAL).

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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#	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 ADDITION

PN
TN

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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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

PN

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
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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

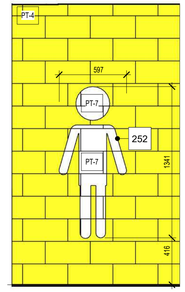
Item	Description
252	PAINT NEW WALL GRAPHIC ON CMU FOR BOYS AND GIRLS WASHROOMS, TYP.
429	DEPRESS CONC. SLAB 20mm FOR INSTALLING PROCELAIN TILE.
436	PROVIDE POSITIVE SLOPE TO FLOOR DRAIN, TYP.
453	TILE TO TILE TRANSITIONS ARE TO BE FLUSH. CONTRACTOR CARRY THE COST TO BUILD UP MORTAR BED WHERE REQUIRED.

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

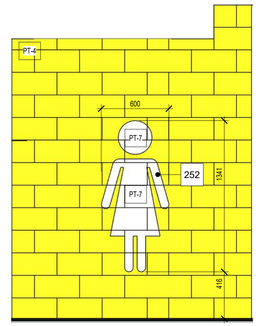
2. GENERAL CONTRACTOR TO PROVIDE SAMPLES FOR ALL FINISHES.

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.

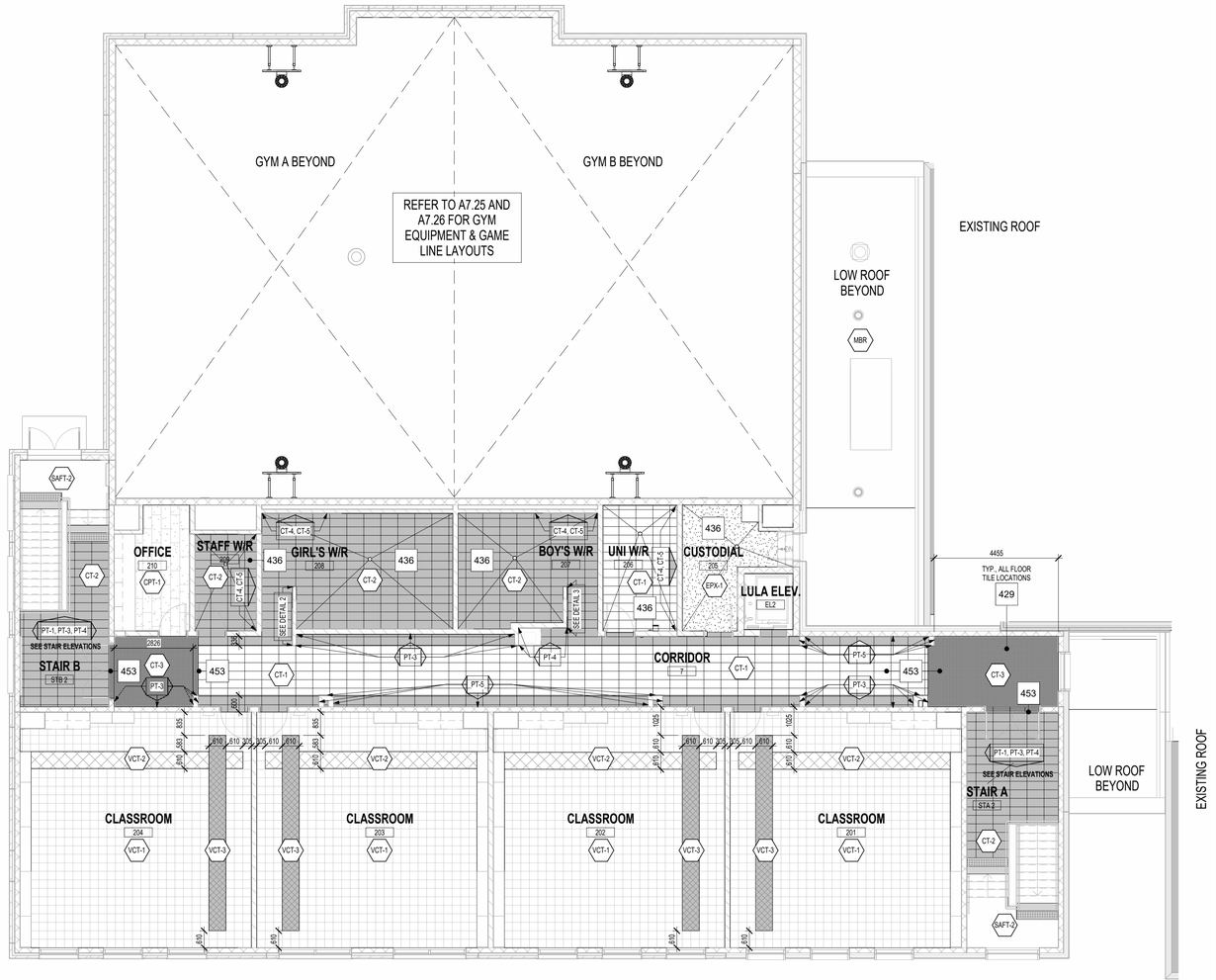
4. ALL DIMENSIONS MUST BE CONFIRMED ON SITE BY CONTRACTORS. CAREFULLY EXAMINE ALL EXISTING SITE CONDITIONS AND BUILDING COMPONENTS ALONG WITH ALL DIMENSIONS THAT WILL AFFECT THE PROPER EXECUTION OF WORK IN ORDER TO OBTAIN A CLEAR AND COMPREHENSIVE UNDERSTANDING OF THE WORK REQUIRED TO COMPLETE THE PROJECT.



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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7	2026.04.24	Issued For Tender
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5	2025.09.08	Issued For Permit
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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

OVERALL INTERIOR FINISHES PLAN - LEVEL 2

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	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.	
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				

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

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1	2025.07.11	70% Client Review

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St. Mark CES Addition

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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

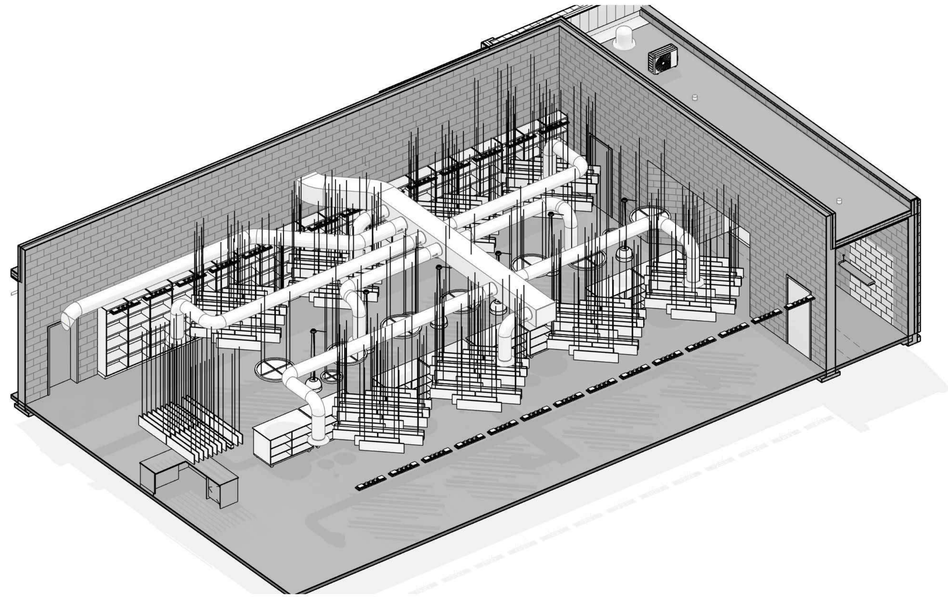
SYMBOL	IMAGE	FINISH	CEILING ELEMENT DESCRIPTION
ACP-1a			1200 X 300 X 24 mm ACOUSTIC CEILING FIN - HUSH ACOUSTICS COLOUR: SNOW INSTALL: 45 DEGREE ANGLE ACROSS LEARNING COMMONS
ACP-1b			OPEN SPACE 1200 X 300 X 24 mm ACOUSTIC CEILING FIN - HUSH ACOUSTICS COLOUR: CASPER INSTALL: 45 DEGREE ANGLE ACROSS LEARNING 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

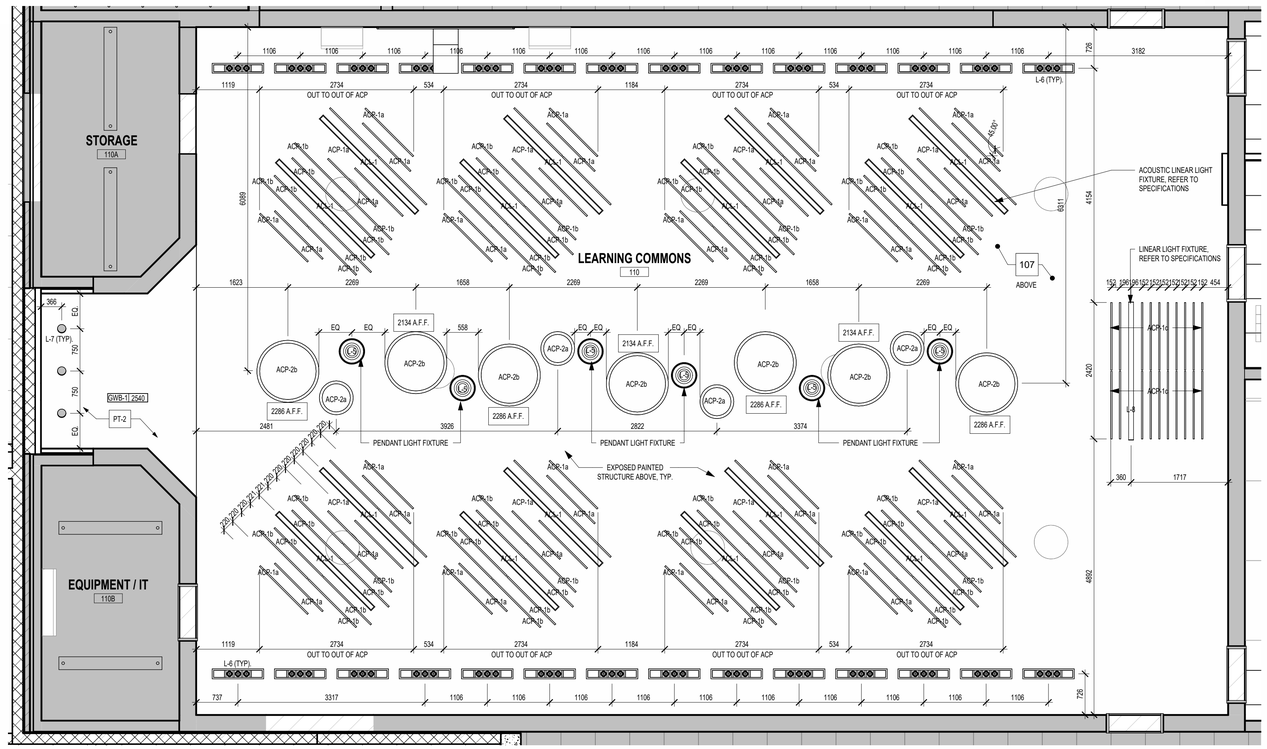
SPECIALTY LIGHTING

SYMBOL	IMAGE	FINISH	CEILING ELEMENT DESCRIPTION
L-5			BOOP P80 PENDANT LIGHT FIXTURE - ARANCIA 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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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

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

drawing number:

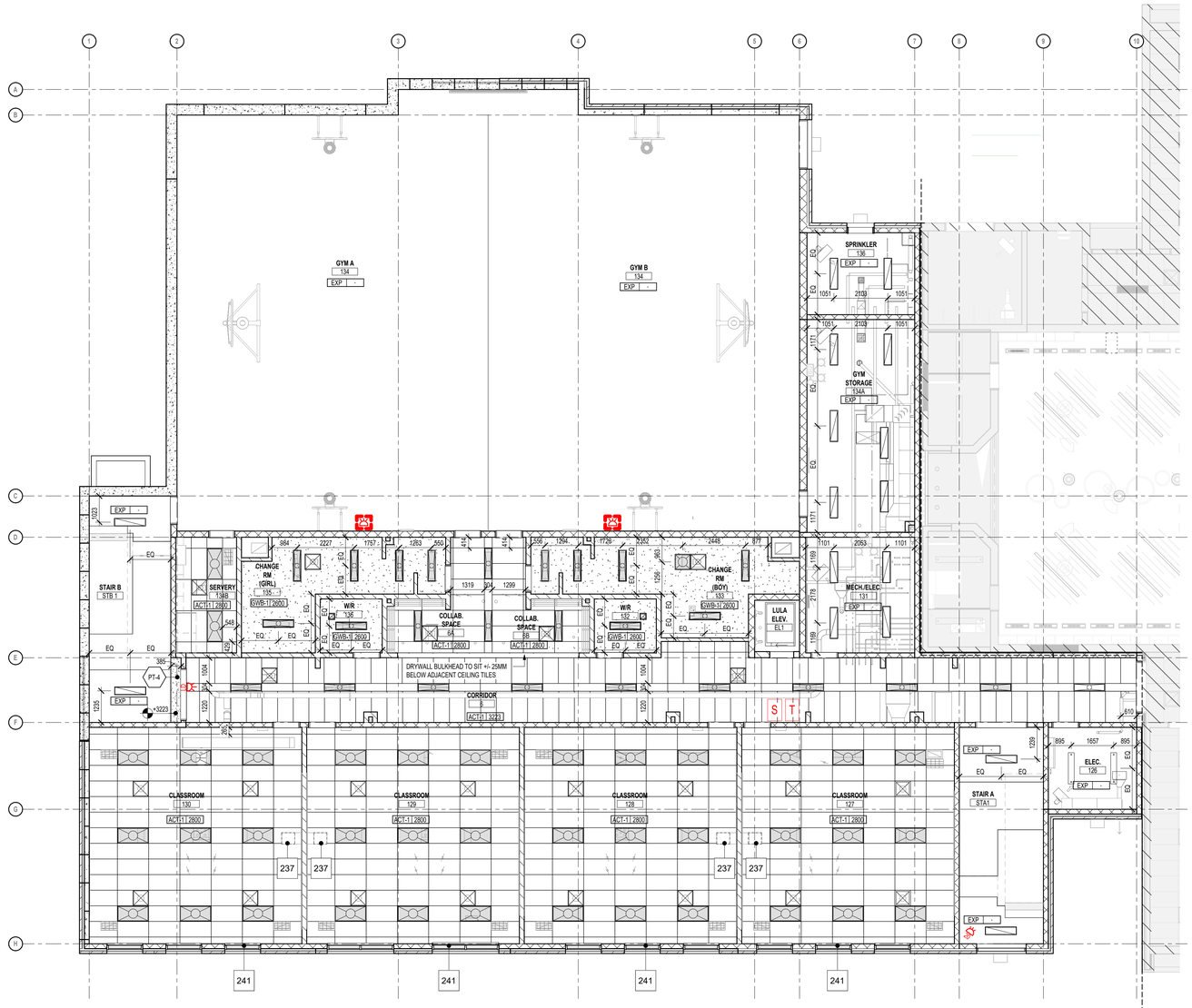
A3.00a

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



Level 1 - RCP

1 | A1.40 | A3.01

1 : 100

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RCP- LEVEL 1 - NEW ADDITION

PN

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

drawing number:

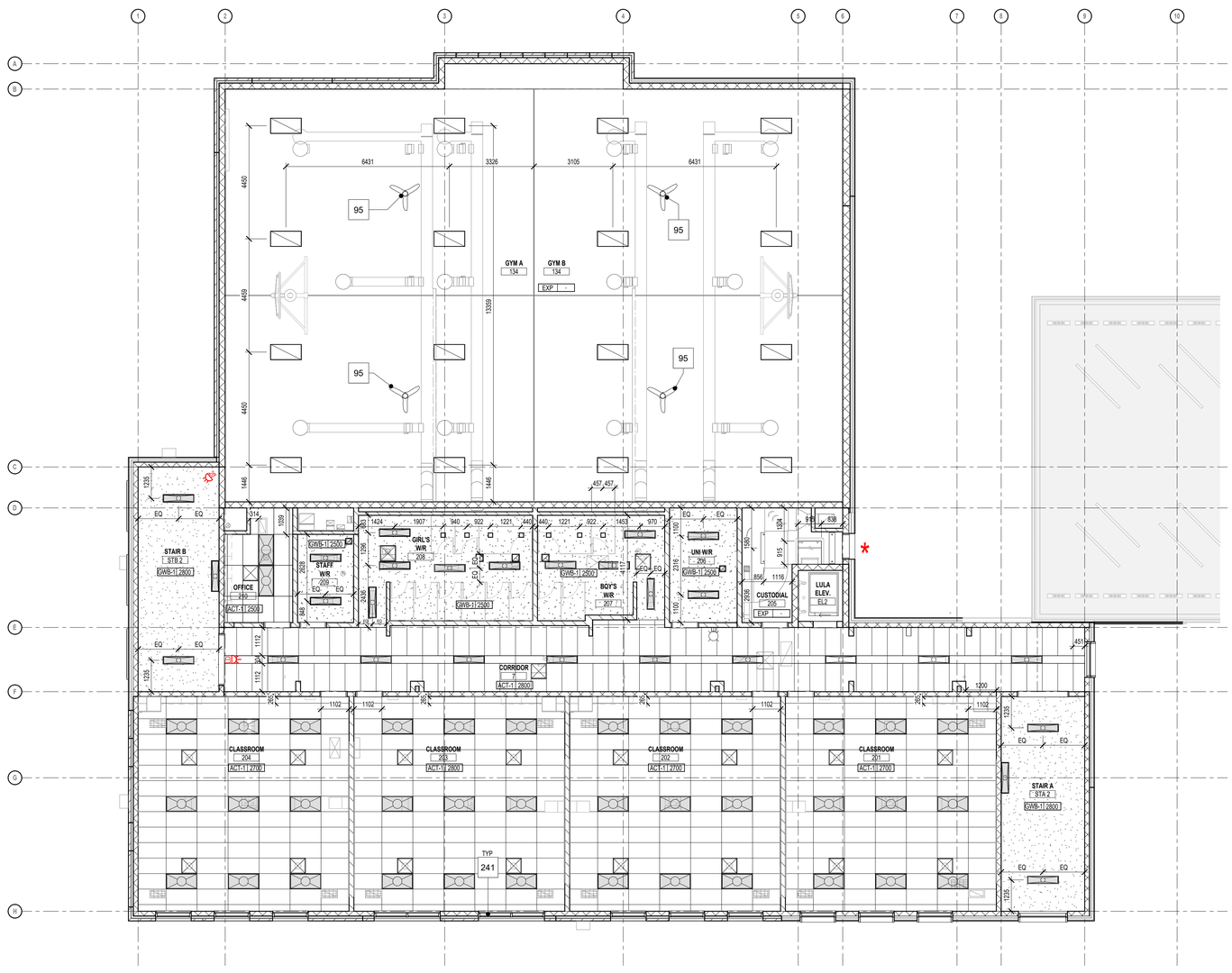
A3.01

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	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.	
X_1	DATA DROP AA DESK	20' LR	20' X 20' MOTION SENSOR	S	SIREN		
X_2	DATA DROP PRINCIPAL DESK		LONG RANGE MOTION SENSOR	T	TEMPERATURE SENSOR		
*	DOOR CONTACT	60'	60' X 80' MOTION SENSOR IN CAGE				



Level 2 - RCP

1 | A1.41|A3.02

1 : 100

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RCP- LEVEL 2 - NEW ADDITION

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

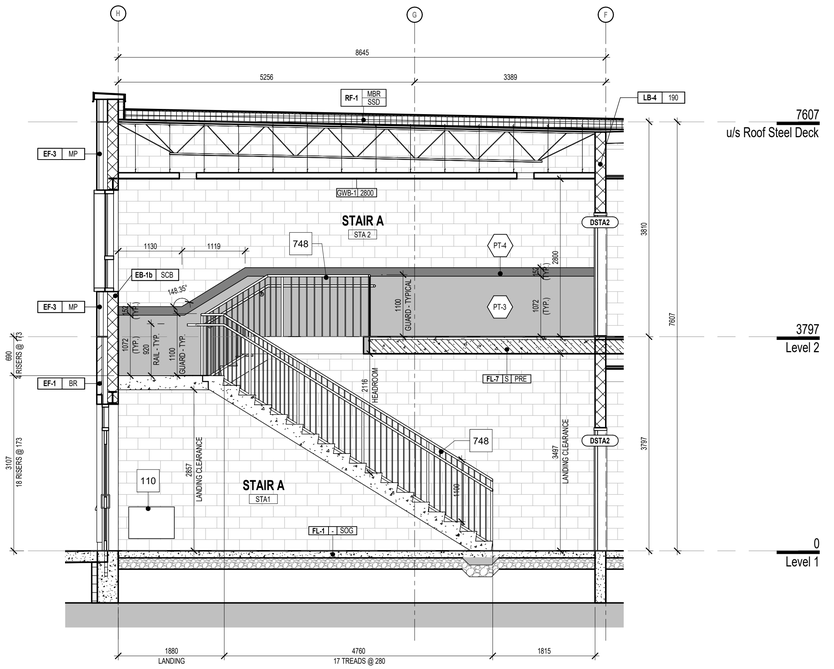
	RUBBER TREADS & RISERS	SAFT-1	JOHNSONITE ANGLE FIT RUBBER STAIR TREAD WITH INTEGRATED RISER - VIBMNTR, BY TARKETT PROFILE: BAMBOO COLOUR: 21 PLATINUM VISUALLY IMPARED STRIP: BLACK
	RUBBER LANDINGS	SAFT-2	609.6mm x 609.6mm SOLID COLOUR RUBBER TILES BY TARKETT - BMRT PROFILE: BAMBOO COLOUR: TO MATCH TREADS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

STAIR ACCESSORIES

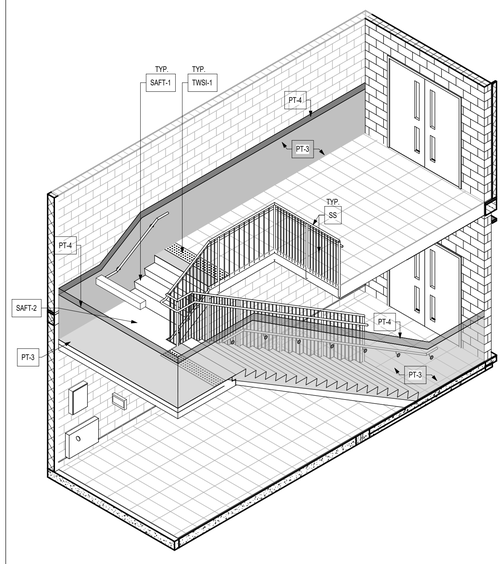
	TACTILE WALKING SURFACE INDICATOR	TWSI-1	609.6MM X 609.6mm TACTILE WARNING SURFACE - RUBBER, BY TARKETT PRODUCT CODE: '40' ~~COLOUR: 40 BLACK~~

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

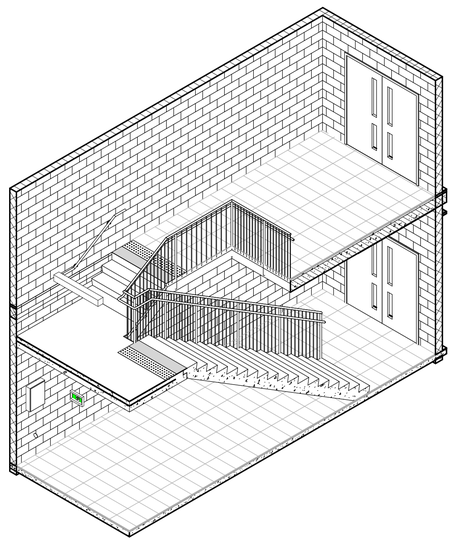
REFER TO FINISH PLANS FOR WALL FINISHES



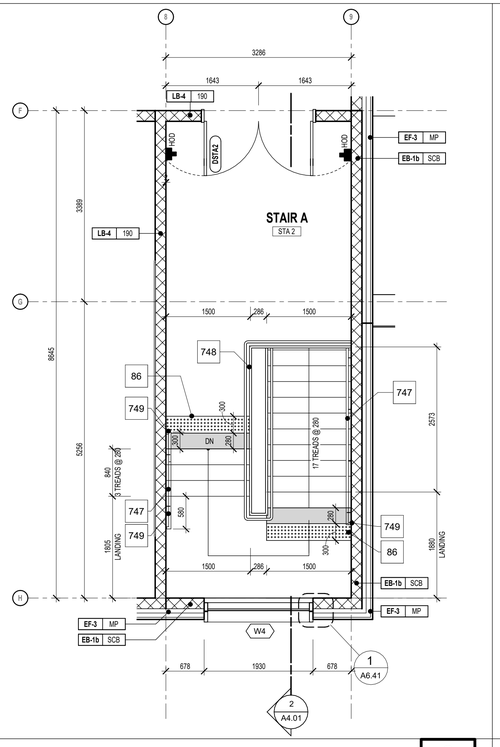
Stair A - Section 2 A4.01|A4.01 1 - 50



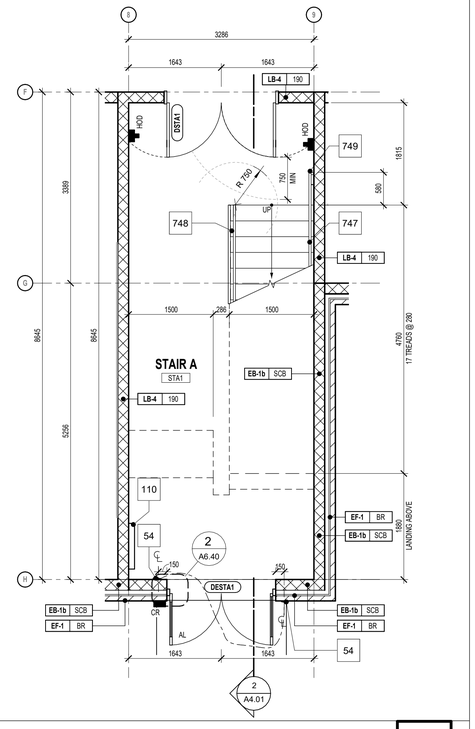
Stair A - Isometric View - Material Finishes 5 A4.01



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

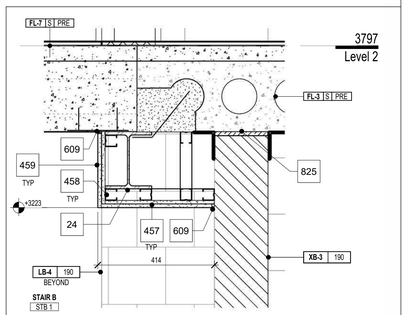
	RUBBER TREADS & RISERS	SAFT-1	JOHNSONITE ANGLE FIT RUBBER STAIR TREAD WITH INTEGRATED RISER - VIBMNTR, BY TARKETT PROFILE: BAMBOO COLOUR: 21 PLATINUM VISUALLY IMPARED STRIP: BLACK
	RUBBER LANDINGS	SAFT-2	609.6mm x 609.6mm SOLID COLOUR RUBBER TILES BY TARKETT - BMRT PROFILE: BAMBOO COLOUR: TO MATCH TREADS & 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

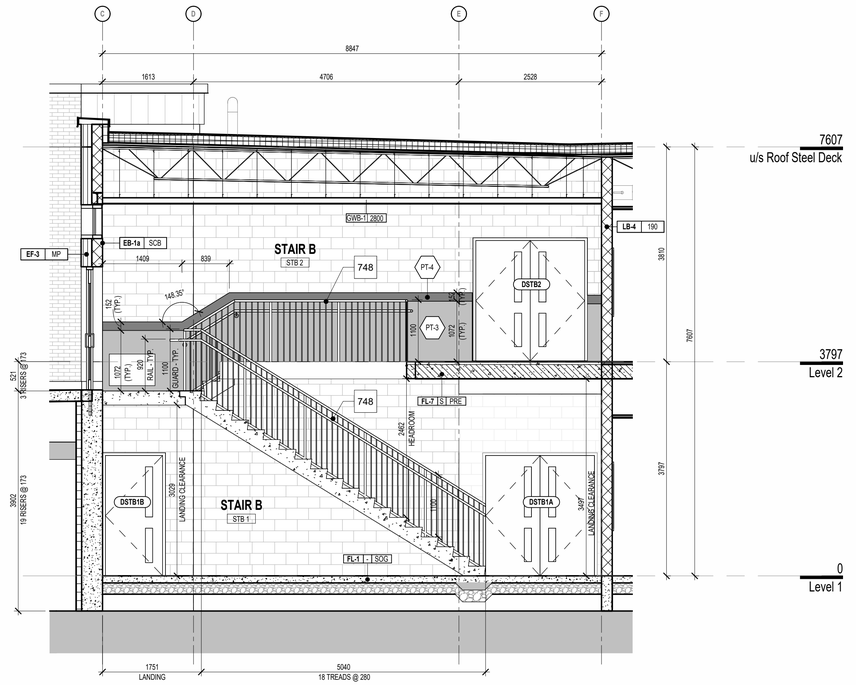
NOTES:
ALL COLOURS AND FINISHES AS SPECIFIED OR (APPROVED ALTERNATIVE), TO BE CONFIRMED BY OWNER/ARCHITECT

REFER TO FINISH PLANS FOR WALL FINISHES

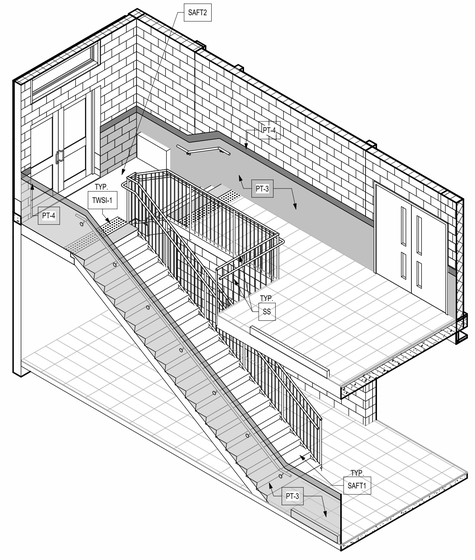


1HR Fire-Rated Beam UL263 / X528

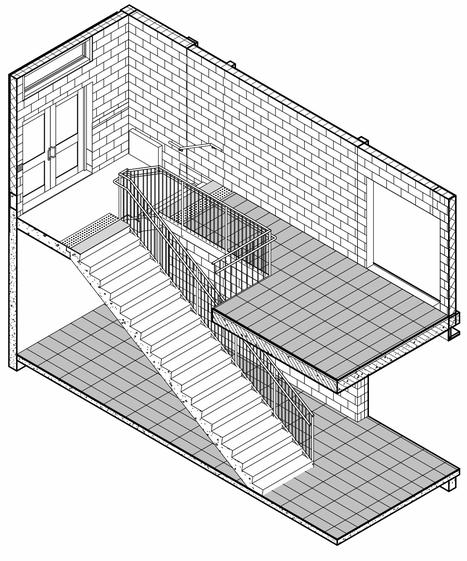
Fire-Rated Beam - Section Detail **6** A4.02/A4.02 — 1 : 10



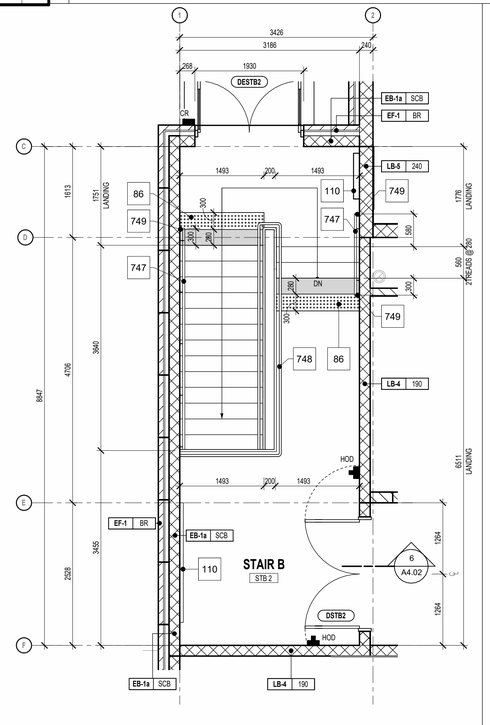
Stair B - Section **2** A4.02/A4.02 — 1 : 50



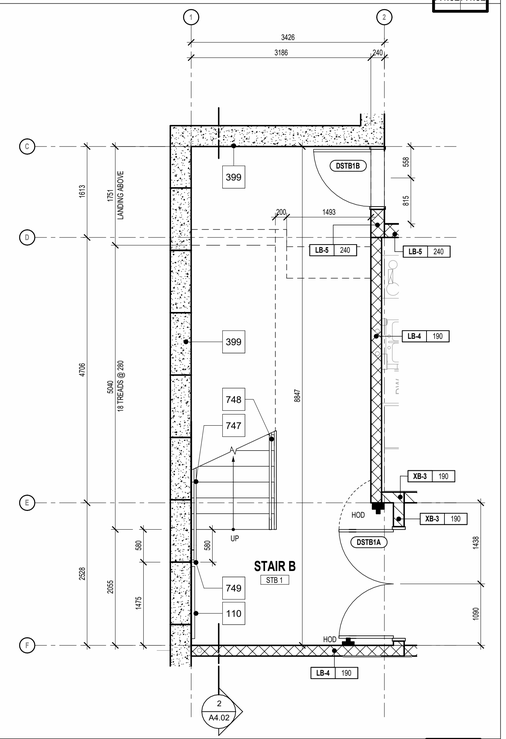
Stair B - Isometric View - Material Finishes **5** A4.02



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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240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

STAIR B

PN TN

scale:	As indicated
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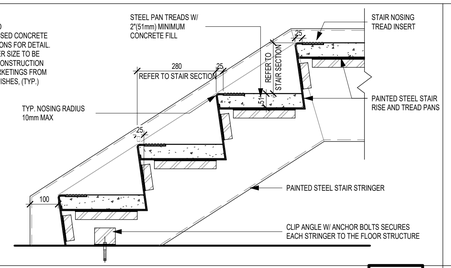
job number:	25027
plot date:	2026-04-24 3:10:02 PM

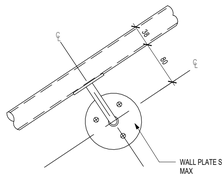
drawing number:

A4.02

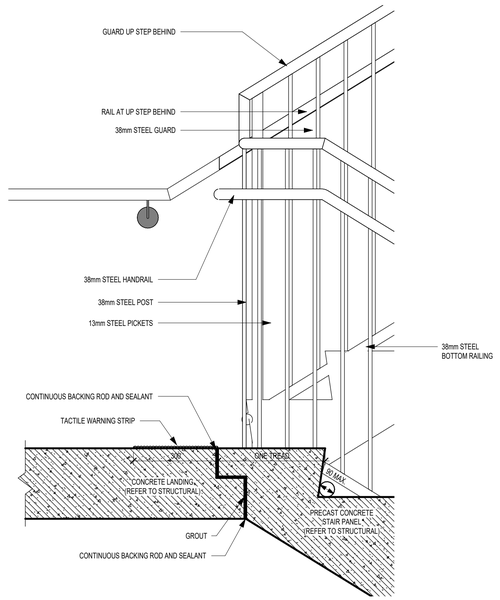
NOTE:
- ALL EXPOSED STEEL TO BE PRIMED AND PAINTED
- APPLY NON-SLIP PENETRATING SEALER TO EXPOSED CONCRETE FLOOR. REFER TO FINISH PLAN AND SPECIFICATIONS FOR DETAIL.
- PAINTED STEEL STAIR STRINGER, STAIR STRINGER SIZE TO BE VERIFIED BY MISC. METAL ENGINEER PRIOR TO CONSTRUCTION
- REMOVE ALL EMBOSSED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



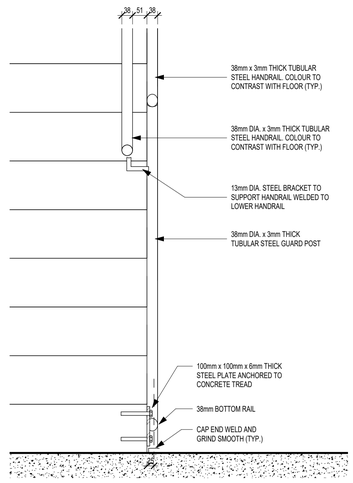
Typical Steel Stair Rise and Tread
14 | A4.03 | 1 : 10



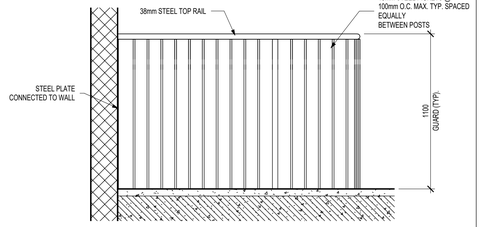
Elev. Handrail - Intermediate Location of Stair
5 | A4.03 | 1 : 5



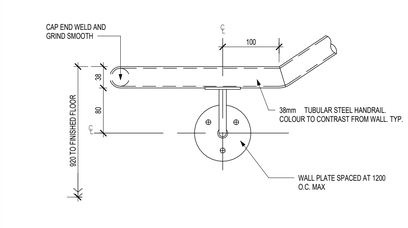
Precast Stair Down From Landing - Typical
13 | A4.03 | 1 : 10



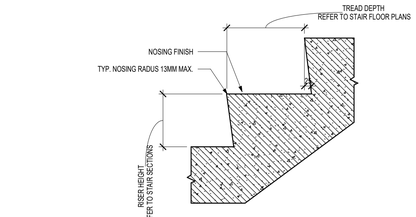
Guard Detail - Precast Stair - Typical
11 | A4.03 | 1 : 10



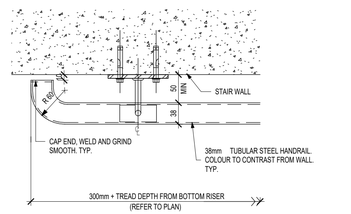
Typical Detail - Guard @ Floor Level 2
9 | A4.03 | 1 : 20



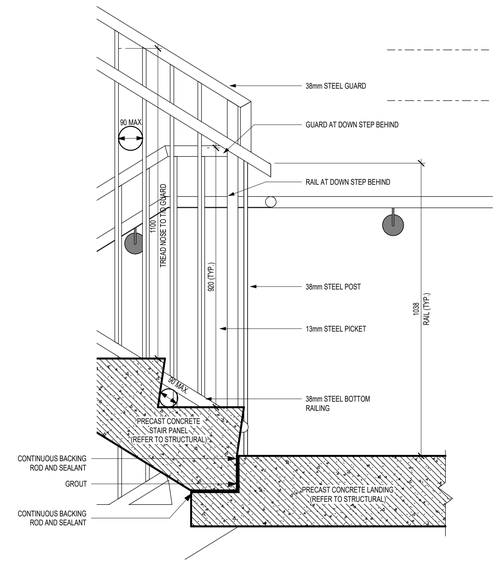
Section Handrail at Bottom of Stair Flight
4 | A4.03 | 1 : 5



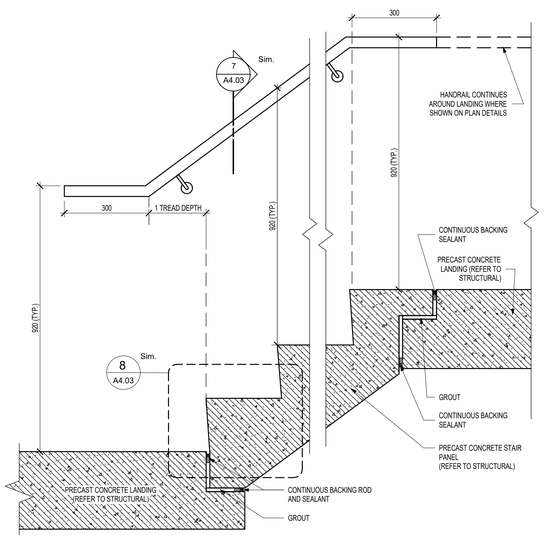
Typical Detail - Stair Nosing
8 | A4.03 A4.03 | 1 : 10



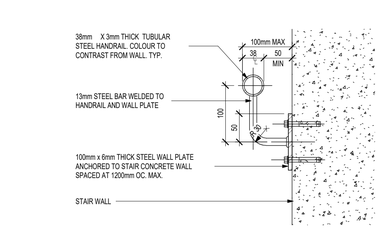
Plan Handrail at Bottom of Stair Flight
3 | A4.03 | 1 : 5



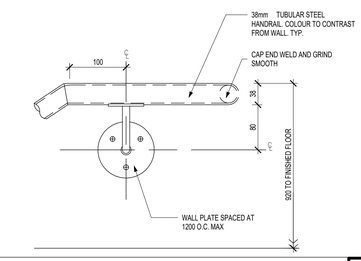
Precast Stair Up From Landing - Typical
12 | A4.03 | 1 : 10



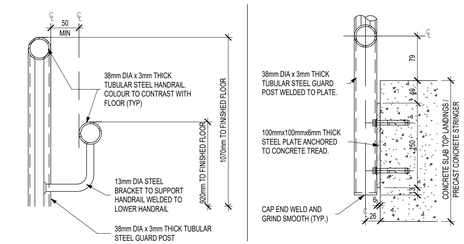
Typical Detail - Wall-Mounted Handrail
10 | A4.03 | 1 : 10



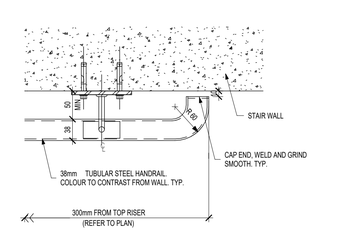
Section Handrail at Concrete Wall
7 | A4.03 A4.03 | 1 : 5



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
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reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:10:07 PM

drawing number:

A4.03

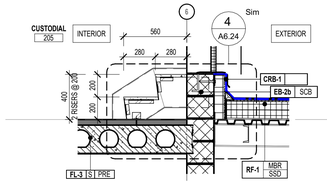
Keynote Legend

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)

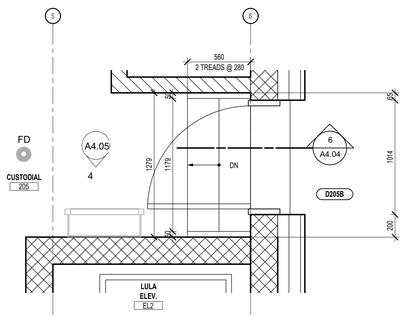
ELEVATOR FINISH LEGEND

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

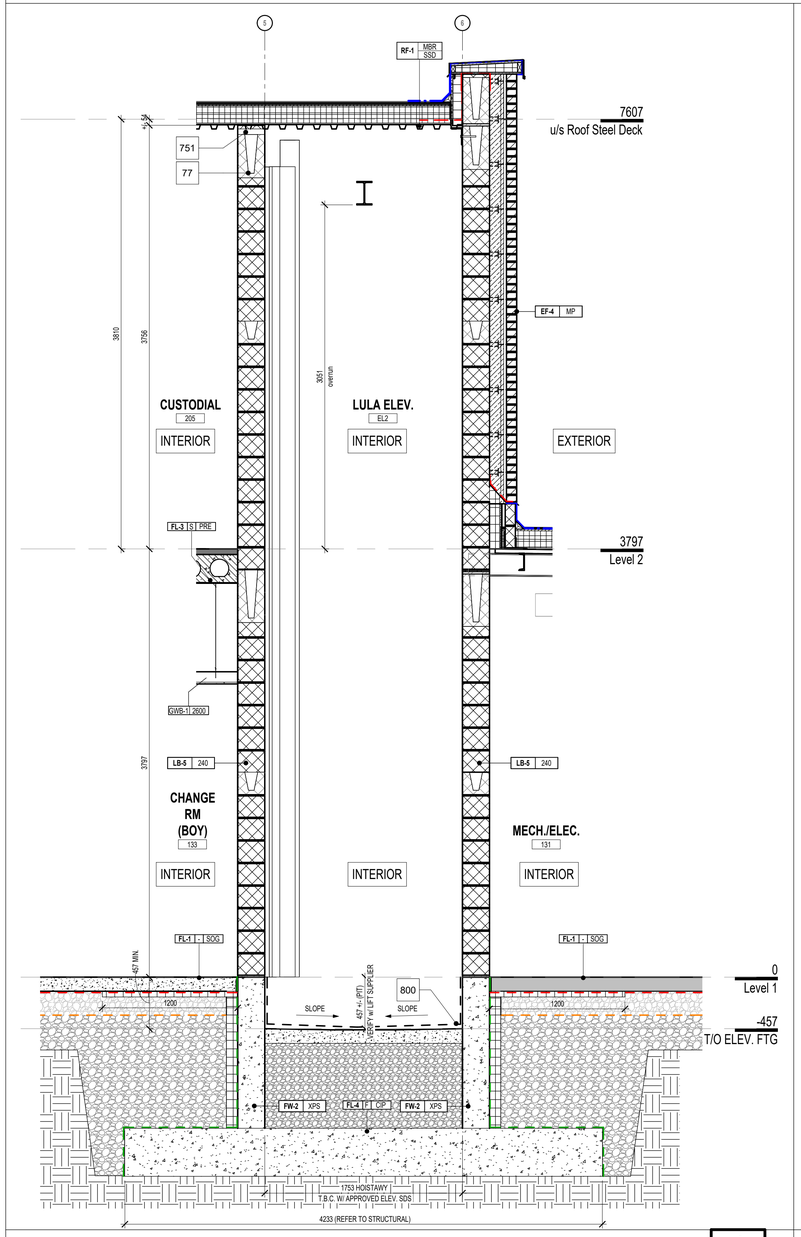
NOTE: BASED ON O.B.C. 3.3.1.14, STAIRWAYS THAT SERVE SERVICE ROOMS DO NOT NEED TO COMPLY WITH THE MINIMUM NUMBER OF RISERS, MAXIMUM VERTICAL RISE OF STAIR FLIGHTS AND REQUIRED LANDINGS, AND HANDRAILS



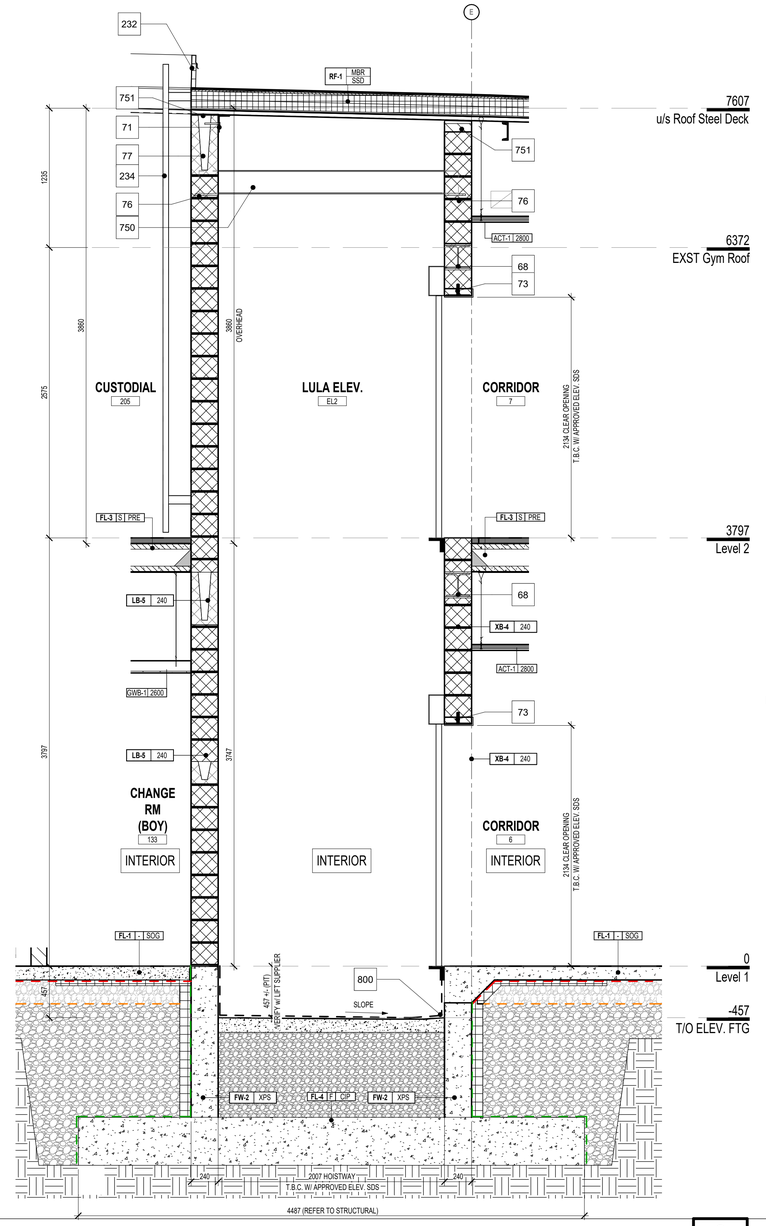
Section- Steel Pan Roof Service Stairs — 6 — A4.04/A4.04 — 1 : 25



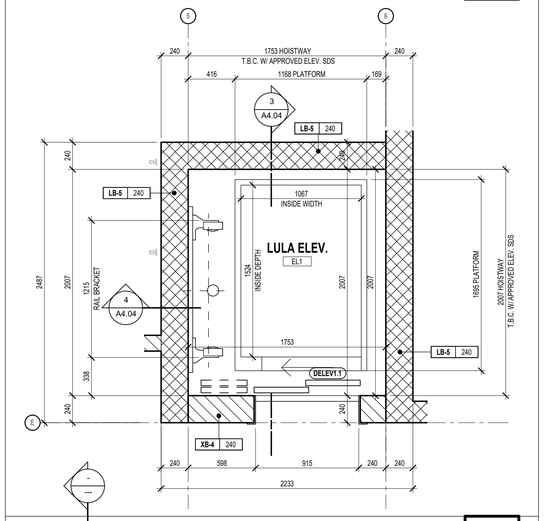
Plan - Steel Pan Roof Service Stairs - Level 2 — 5 — A2.11/A4.04 — 1 : 25



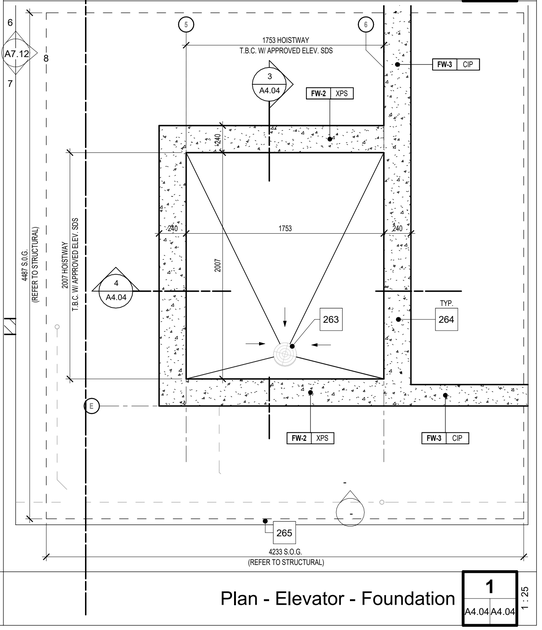
Longitudinal Section - Elevator — 4 — A4.04/A4.04 — 1 : 25



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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240 Autumn Hill Crescent, Kitchener, ON N2N 1K8

TYPICAL ELEVATOR DETAILS & STEEL PAN ROOF SERVICE STAIRS

PN TN

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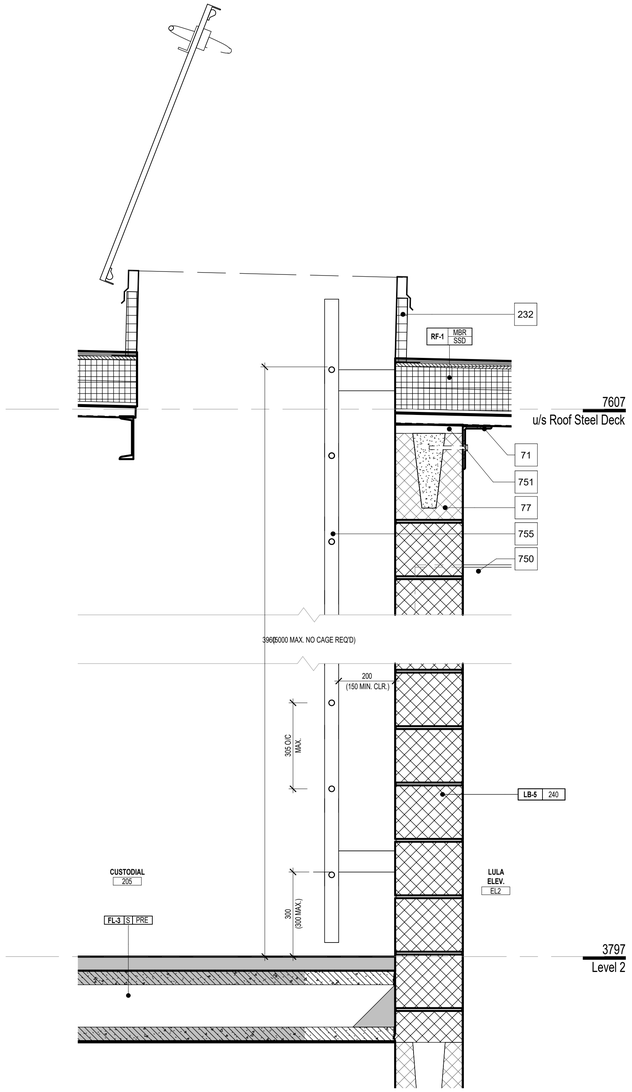
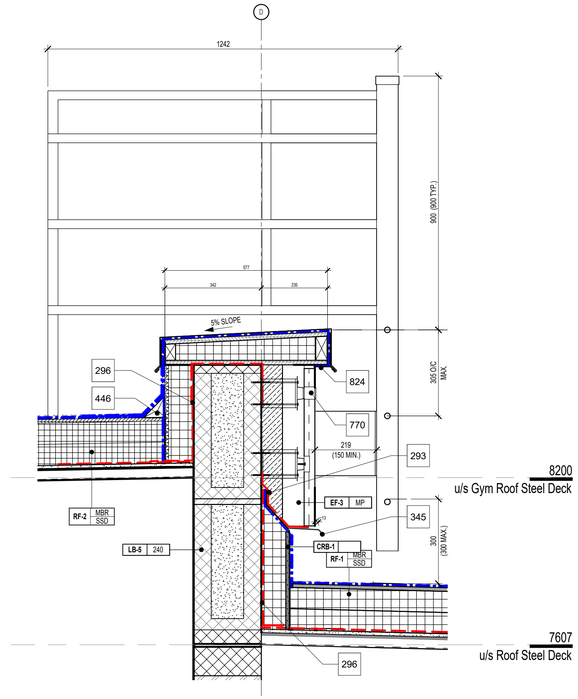
reviewed by:	GG/CS
job number:	25027
plot date:	2026-04-24 3:10:14 PM
drawing number:	**A4.04**

Keynote Legend

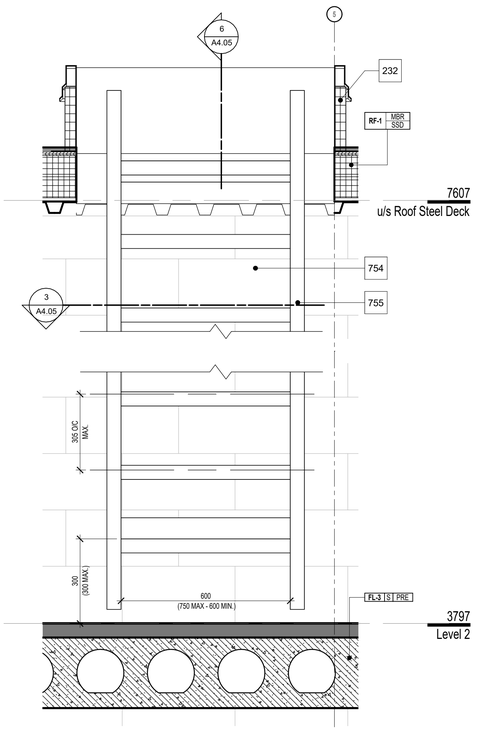
Item	Description
71	STEEL ANGLE ANCHORED TO BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
77	BOND BEAM (REFER TO STRUCTURAL DRAWINGS).
232	INSULATED ROOF MOUNTED ACCESS HATCH.
291	PREFINISHED ALUMINUM CAP FLASHING (PTD).
293	OVERLAP A/VB OVER PREFINISHED ALUMINUM THRU-WALL FLASHING 150 MIN.
296	AIR VAPOUR 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).



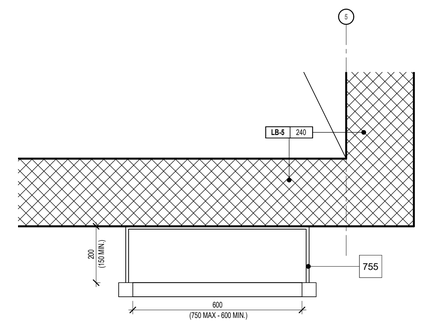
Sect. Thru Fixed Roof Hatch Access Ladder at Custodial — 6 — A4.05/A4.05 — 1 : 10



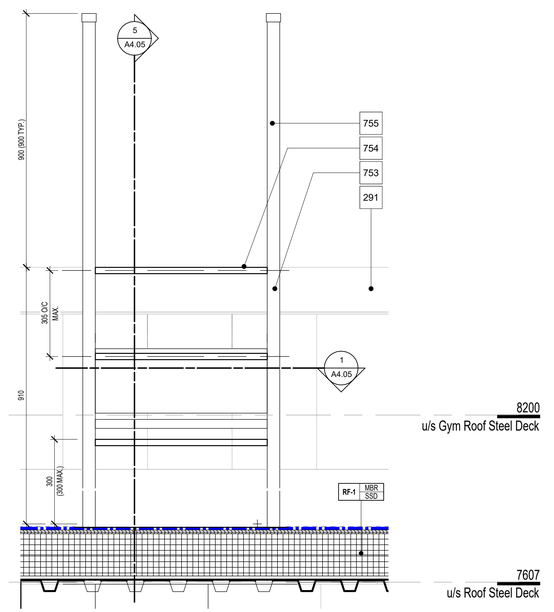
Sect. Thru Fixed Roof Ladder to High Roof — 5 — A4.05/A4.05 — 1 : 10



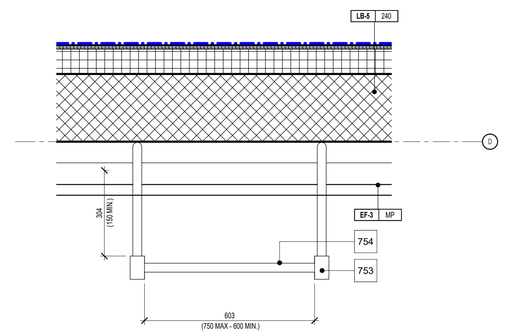
Elevation - Fixed Roof Hatch Access Ladder at Custodial — 4 — A4.04/A4.05 — 1 : 10



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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#	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

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FIXED LADDERS

PN

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