

TECHNICAL SPECIFICATIONS FOR :

PROJECT: **MOUNT HOPE ELEMENTARY SCHOOL
RENOVATION & ADDITION**

ADDRESS: MOUNT HOPE, ONTARIO

CLIENT: HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

PROJECT No.: 24114

DATE: NOVEMBER 2025

BINDER: **C** ARCHITECTURAL DETAILS,
DESIGNATED SUBSTANCE REPORT &
GEOTECHNICAL REPORT



ARCHITECT & CONSULTANTS:

H **HOSSACK**
ARCHITECTURE

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Project Number: 22457

KE **KALOS**
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MGM
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Consulting Engineering & Project Management
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1877 Davenport Road
Toronto, M6N 1B9
www.frpinc.ca

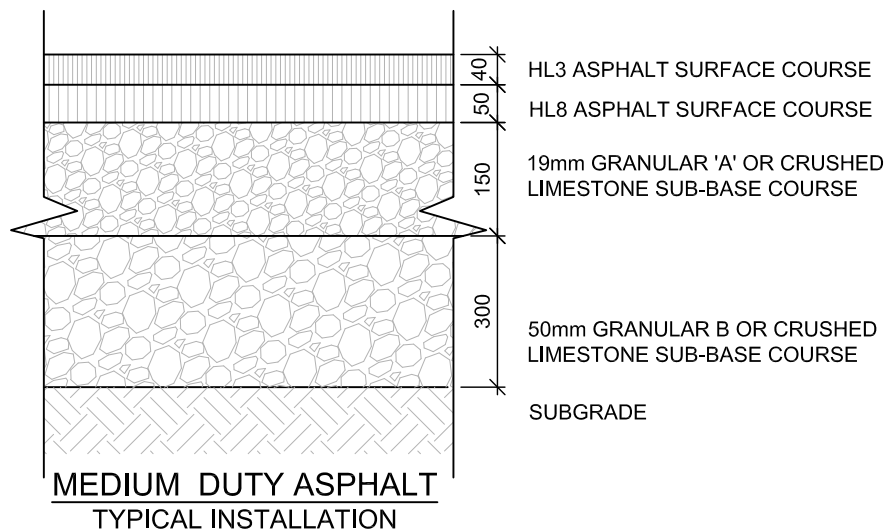
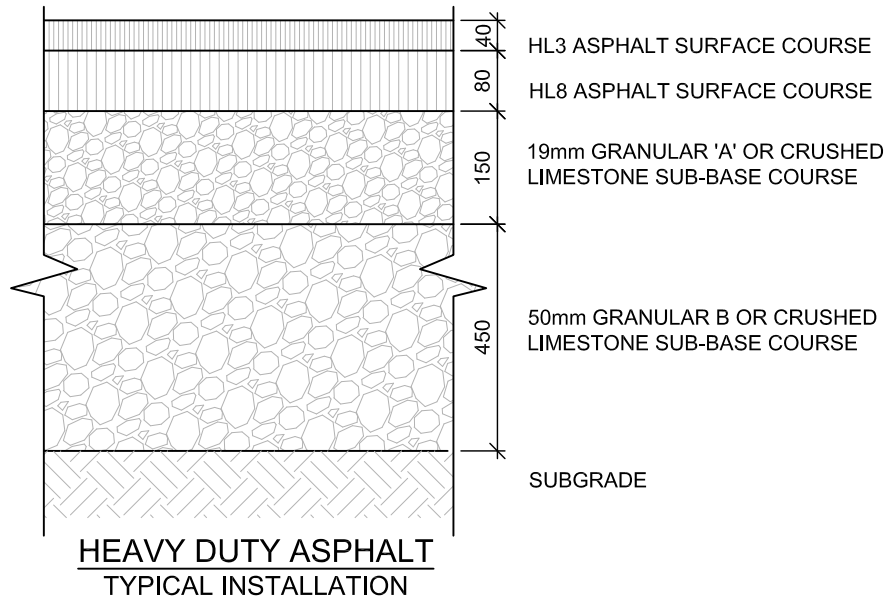
SPECIFICATIONS BINDER “C”

ARCHITECTURAL DETAILS

Detail No.	Title
AD 200	Asphalt Details
AD 204	Concrete Curb at Finished Grade (Sod/Planting)
AD 205	Concrete Curb at Finished Grade (Asphalt)
AD 206	Depressed Curb Detail
AD 207	Concrete Sidewalk Details
AD 208	Roll Over Curb Detail
AD 210	Bollard Detail
AD 213	Light Standard
AD 214	Contractor Site Sign
AD 215	Job Site Sign
AD 218	Fire Route Gate - Single
AD 219	Fire Route Gate Details
AD 251	Pavement Marking Lines
AD 252	Pavement Marking Messages
AD 255	Directional Arrow Types
AD 256	Site Signage
AD 400	Firestopping Detail at Cavity Wall
AD 401	Exterior Cavity Wall Control Joint Detail
AD 411	Wall Control Joint Details Interior Side
AD 412	Brick Vent Details
AD 413	Date Stone
AD 451	Roof Scupper – New Addition
AD 455	Mechanical Curb Detail
AD 459	Vent Stack Detail
AD 460	Gooseneck Curb Detail
AD 461	Concrete Paver Detail
AD 502	Corridor Bottle Filler
AD 503	Bench Detail M5
AD 519	Roof Access Ladder to Library High Roof
AD 601	Cabinet Type B1- Lower Cabinet
AD 602	Cabinet Type B2 – Lower Sink Cabinet
AD 607	Cabinet Type B7 – Single Lower Cabinet
AD 608	Cabinet Type B8 – Lower Cabinet
AD 609	Cabinet Type B10 – Dishwasher Lower Millwork
AD 610	Cabinet Type B11 – Lower Cabinet with Drawers
AD 614	Cabinet Type B14 – Staff Room Island
AD 617	Cabinet Type B17 – Learning Commons Low Cabinet
AD 619	Cabinet Type B19 – Learning Commons Low Open Shelving
AD 622	Cabinet Type K2 – Cubbies & Benches

		<u>No. of Pages</u>
AD 626	Cabinet Type K6 – Child Care Washroom Diaper Storage	
AD 628	Cabinet Type K8 – Child Care Cart Storage	
AD 629	Cabinet Type K10 – Kindergarten Low Open Shelving	
AD 631	Cabinet Type U1- Upper Cabinet	
AD 632	Cabinet Type U2 – Single Upper Cabinet	
AD 633	Cabinet Type U3- Upper Cabinet (Range Hood)	
AD 634	Cabinet Type U4- Upper Cabinet (Microwave)	
AD 640	Cabinet Type C1 – Teacher’s Closet	
AD 641	Cabinet Type C2 – Tall Open Shelving	
AD 645	Cabinet Type C5 – Tall Closet	
AD 646	Cabinet Type K8 – Child Care Cart Storage	
AD 725	Top of Wall Fire Separation Assembly	
AD 800	Door Types	
AD 801A	Hollow Metal Frames & Screens	
AD 801B	Hollow Metal Frames & Screens	
AD 802	Door Jamb Sections	
AD 900	Radiant Panel Detail	
AD 1000	Washroom Fixture Mounting Heights	
<hr/>		
02 80 00	Designated Substance Survey - General Hazardous Building Materials Assessment (Pre-Construction)	Binder C
31 09 15	Geotechnical Information Geotechnical Investigation Report Soil Characterization	Binder C Binder C

End of BINDER C Table of Contents



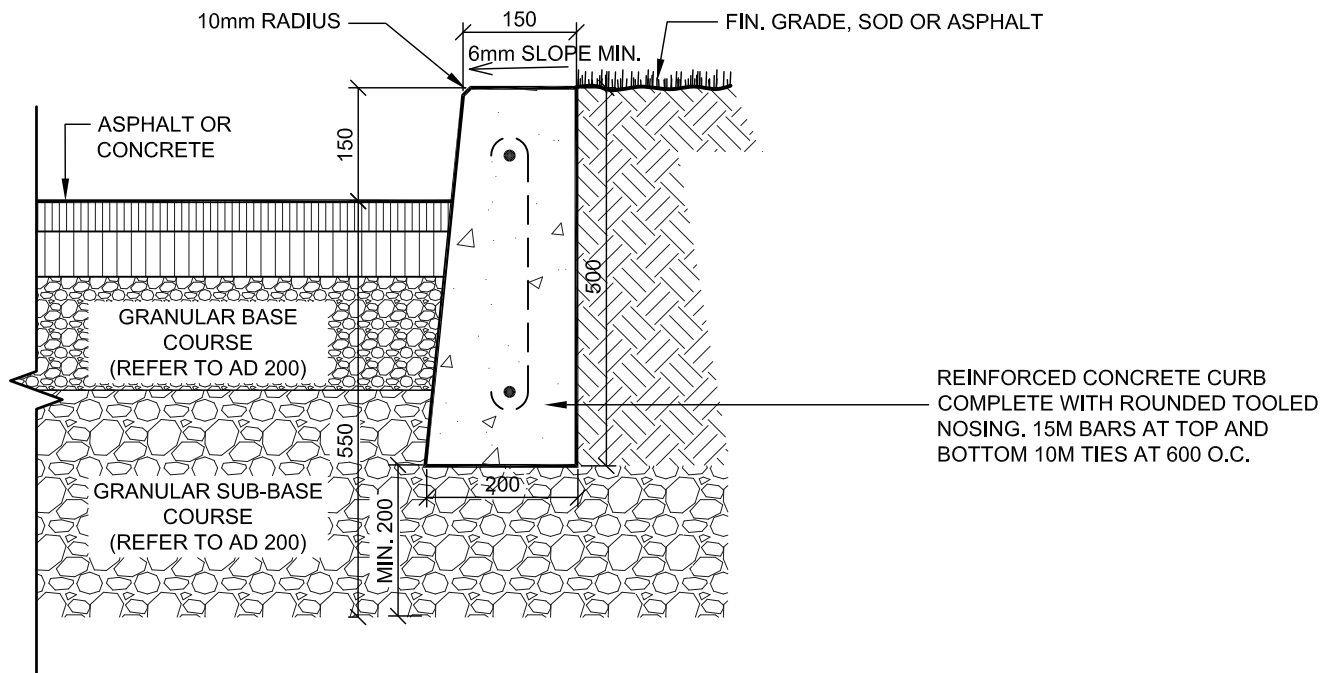
ASPHALT DETAILS

PROJ:	24114
SCALE:	1:10
DRAWN:	TC
DATE:	25 07 07



ISSUE/REV.
00

AD
200



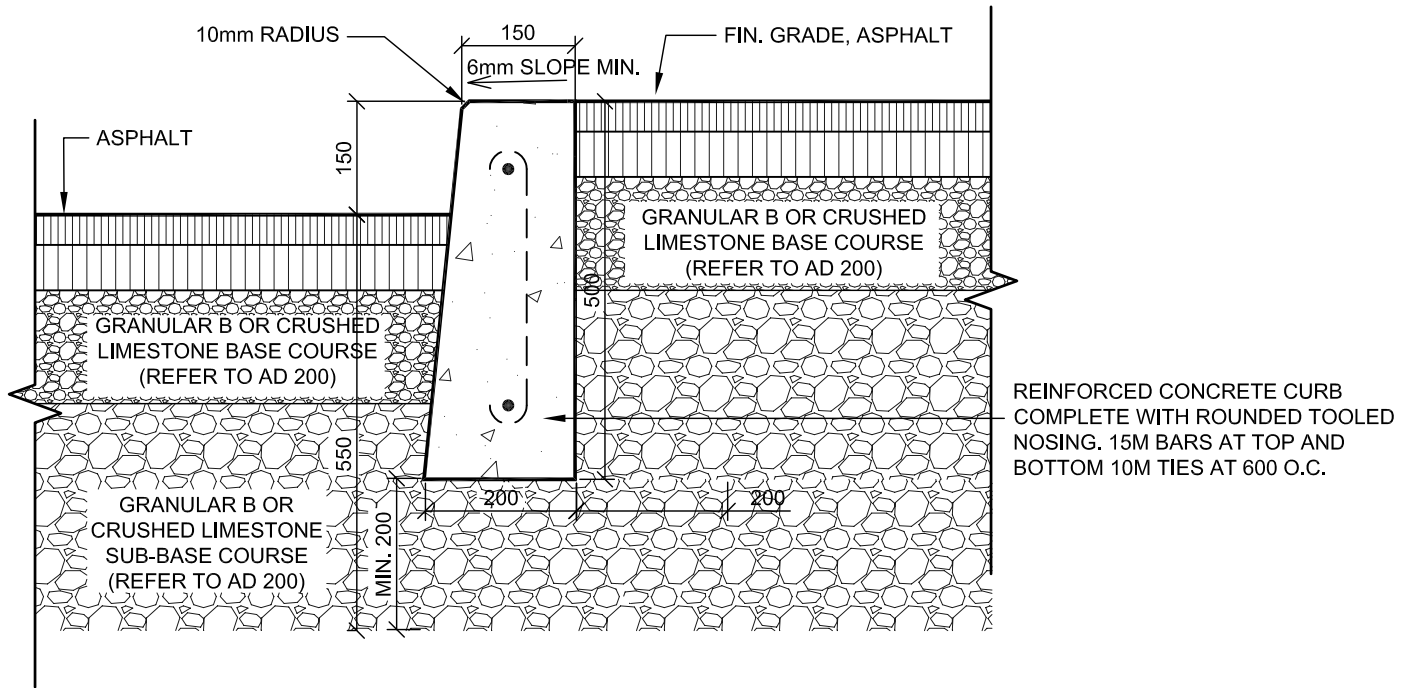
CONCRETE CURB AT FINISHED GRADE
(SOD/PLANTING)

PROJ: 24114
SCALE: 1:10
DRAWN: GY
DATE: 25 07 10



ISSUE/REV.
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AD
204



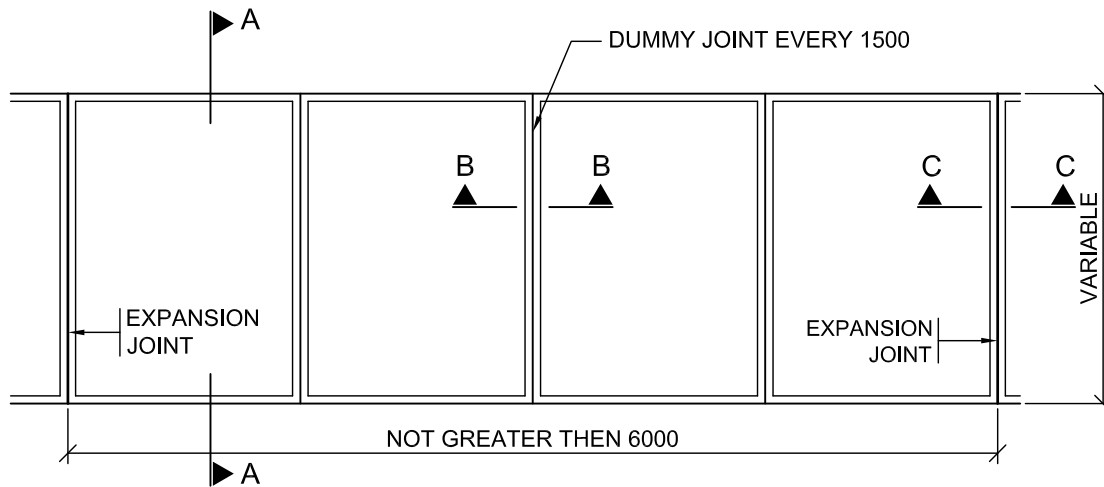
CONCRETE CURB AT FINISHED GRADE (ASPHALT)

PROJ: 24114
SCALE: 1:10
DRAWN: TC
DATE: 25 07 10

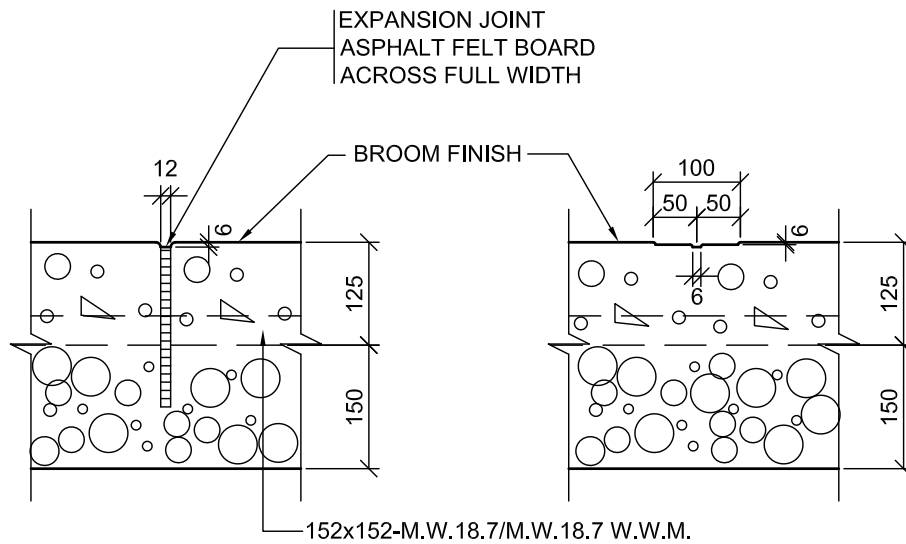


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AD
205

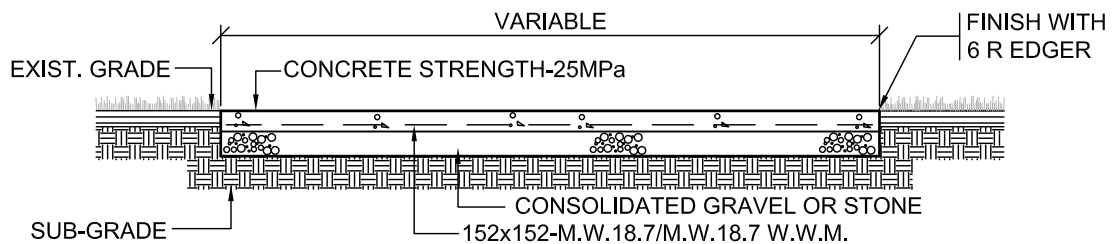


PLAN



SECTION C-C
(EXPANSION JOINT DETAIL)

SECTION B-B
(DUMMY JOINT DETAIL)



SECTION A-A

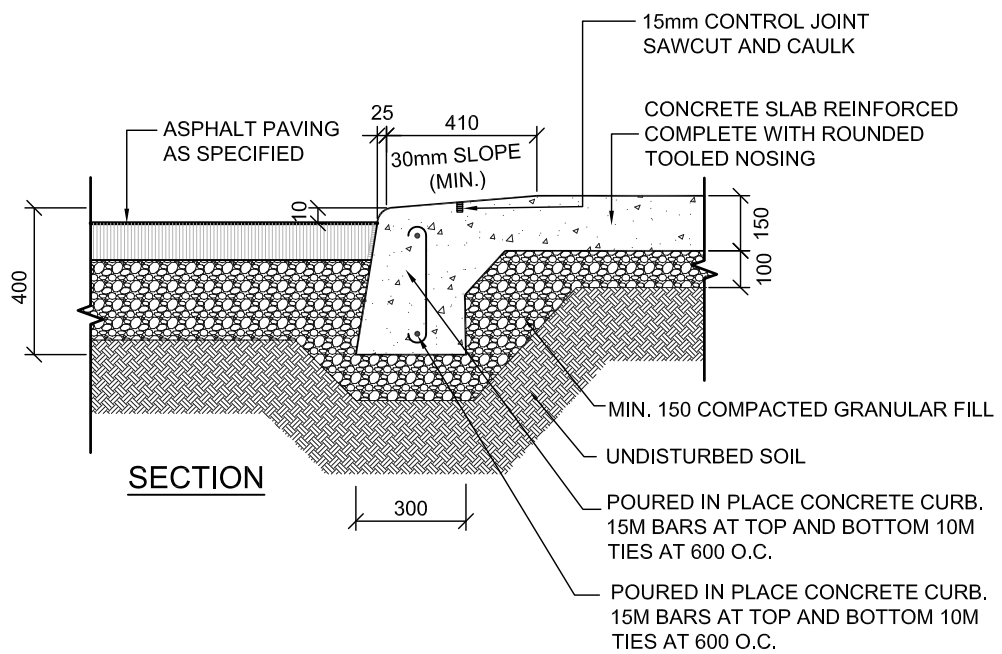
CONCRETE SIDEWALK DETAILS

PROJ: 24114
SCALE: N.T.S.
DRAWN: GY
DATE: 25 07 07



ISSUE/REV.
00

AD
207



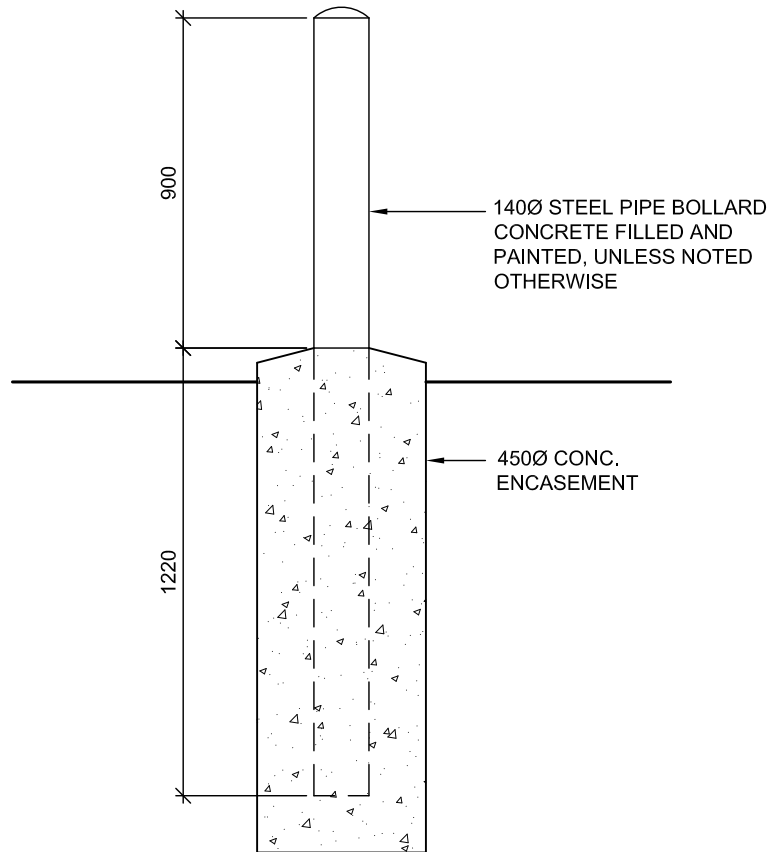
ROLL OVER CURB DETAIL

PROJ: 24114
SCALE: 1:20
DRAWN: GY
DATE: 25 07 07



ISSUE/REV.
00

AD
208



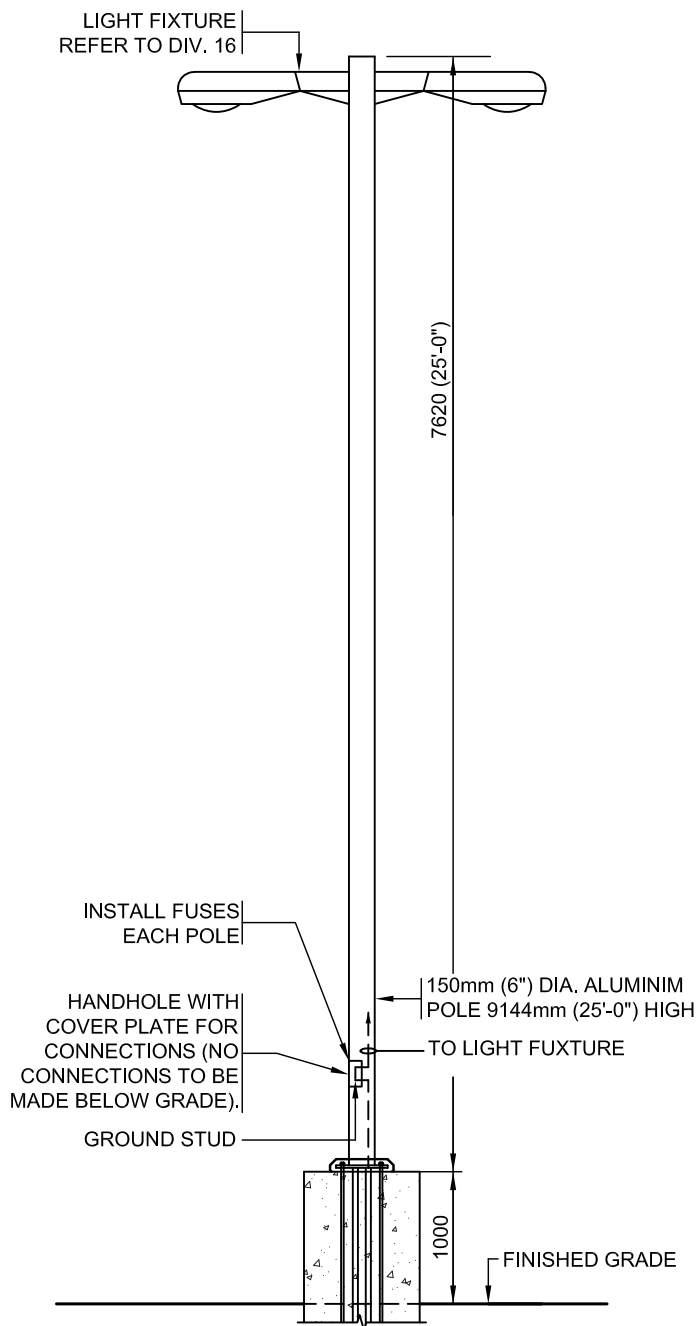
BOLLARD DETAIL

PROJ:	24114
SCALE:	1:20
DRAWN:	GY
DATE:	25 07 07



ISSUE/REV. 00

AD 210



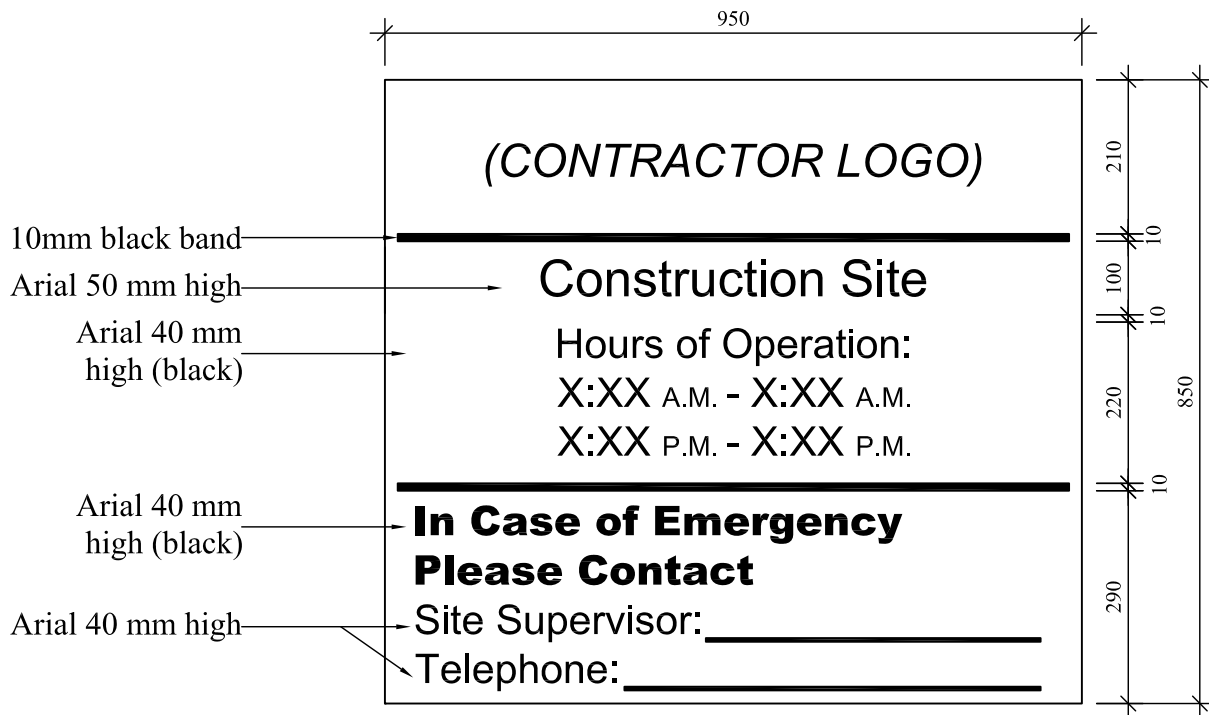
LIGHT STANDARD

PROJ: 24114
SCALE: 1:50
DRAWN: JA
DATE: 25 07 09



ISSUE/REV.
00

AD
213



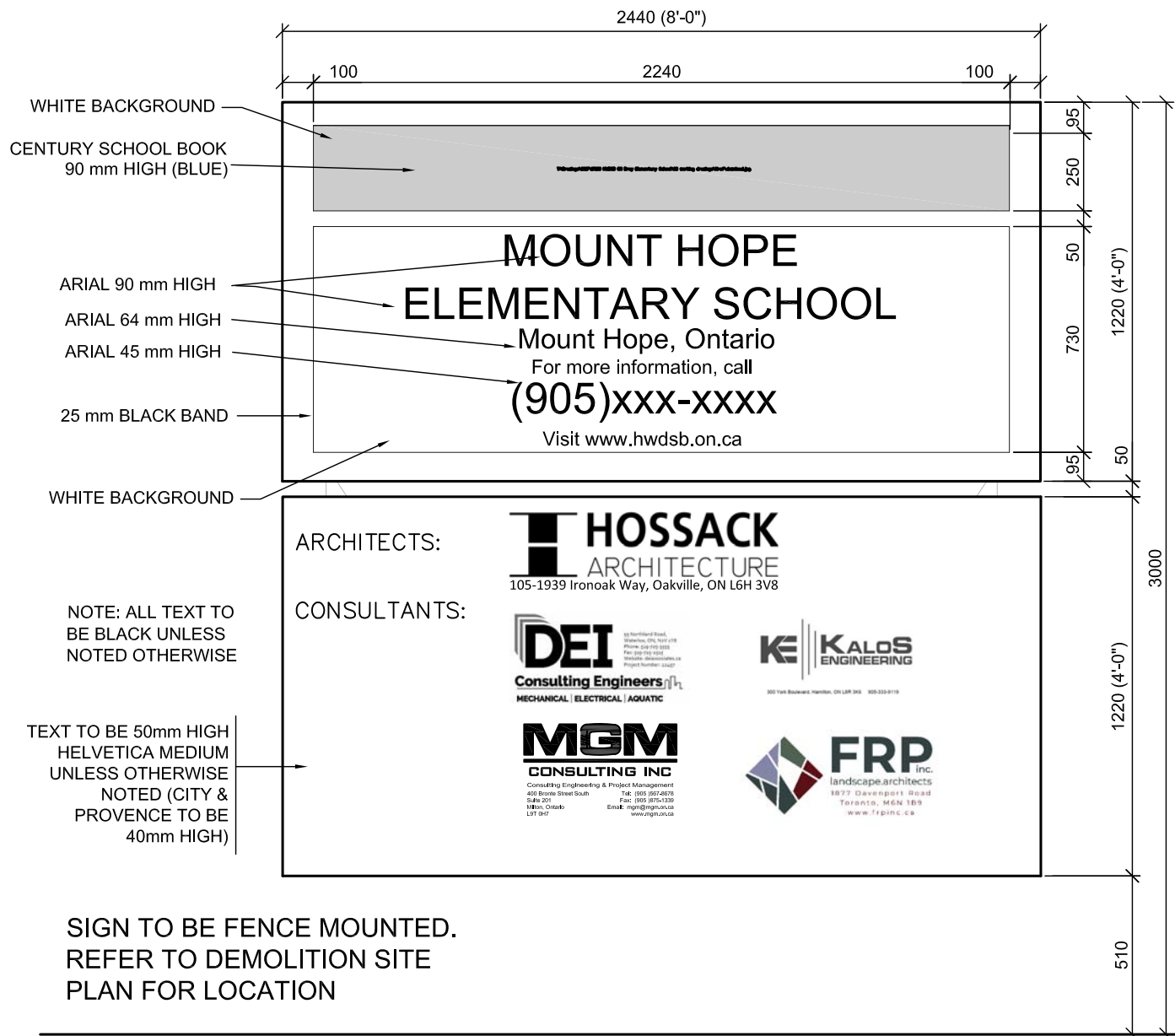
CONTRACTOR SITE SIGN

PROJ:	24114
SCALE:	NOTED
DRAWN:	JA
DATE:	25 07 09



ISSUE/REV.
00

AD
214



NOTES:

1. INSTALLATION LOCATION TO BE CONFIRMED WITH ARCHITECT
2. LOGO COLOURS TO BE SUPPLIED AT A LATER DATE. SIGN SUPPLIER TO CONTACT ARCHITECT FOR THIS INFORMATION WHEN REQUIRED. COLOURS TO BE PANTONE SYSTEM MAX. NO. OF COLOURS = 6
3. CONFIRM WITH ARCHITECT "SCHOOL NAME" TO BE USED.

JOB SITE SIGN

PROJ: 24114

SCALE: 1:20

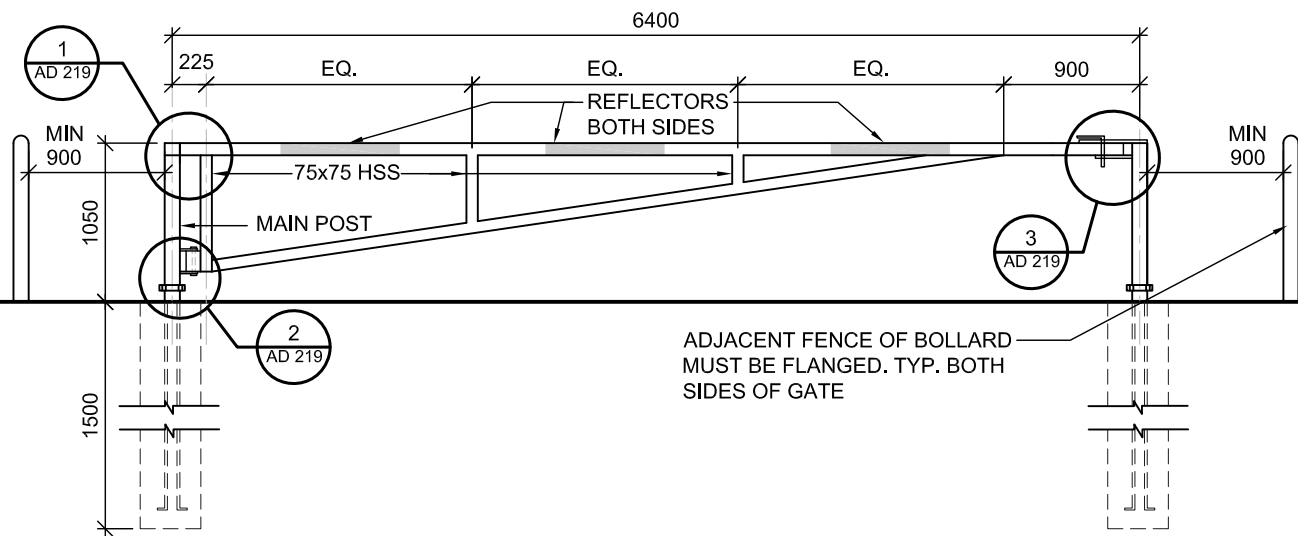
DRAWN: JA

DATE: 25 07 09



ISSUE/REV.

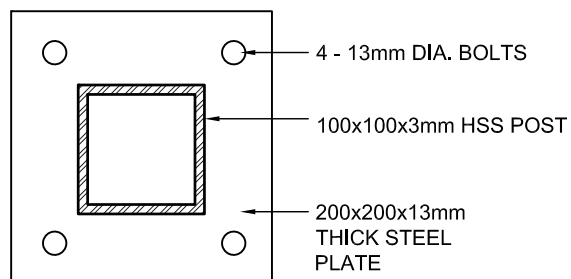
AD
215



ELEVATION

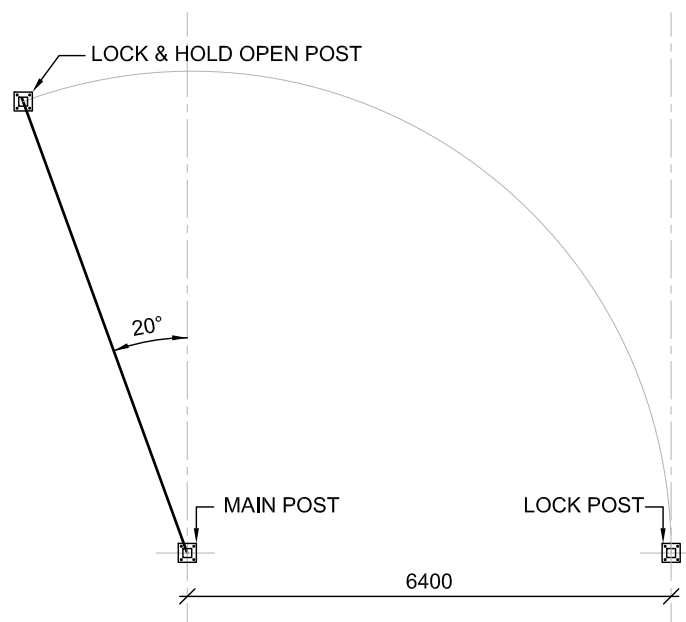
SCALE 1:50

ADJACENT FENCE OF BOLLARD
MUST BE FLANGED. TYP. BOTH
SIDES OF GATE



PLAN AT POST

SCALE 1:100



PLAN VIEW

SCALE 1:100

FIRE ROUTE GATE-- SINGLE

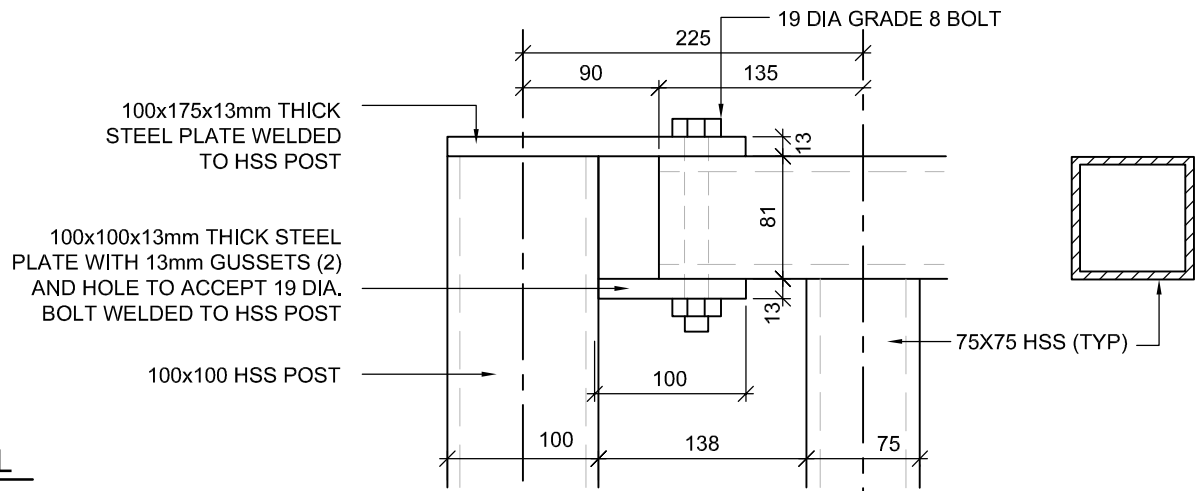
PROJ: 24114
SCALE: AS NOTED
DRAWN: JK
DATE: 25 07 03



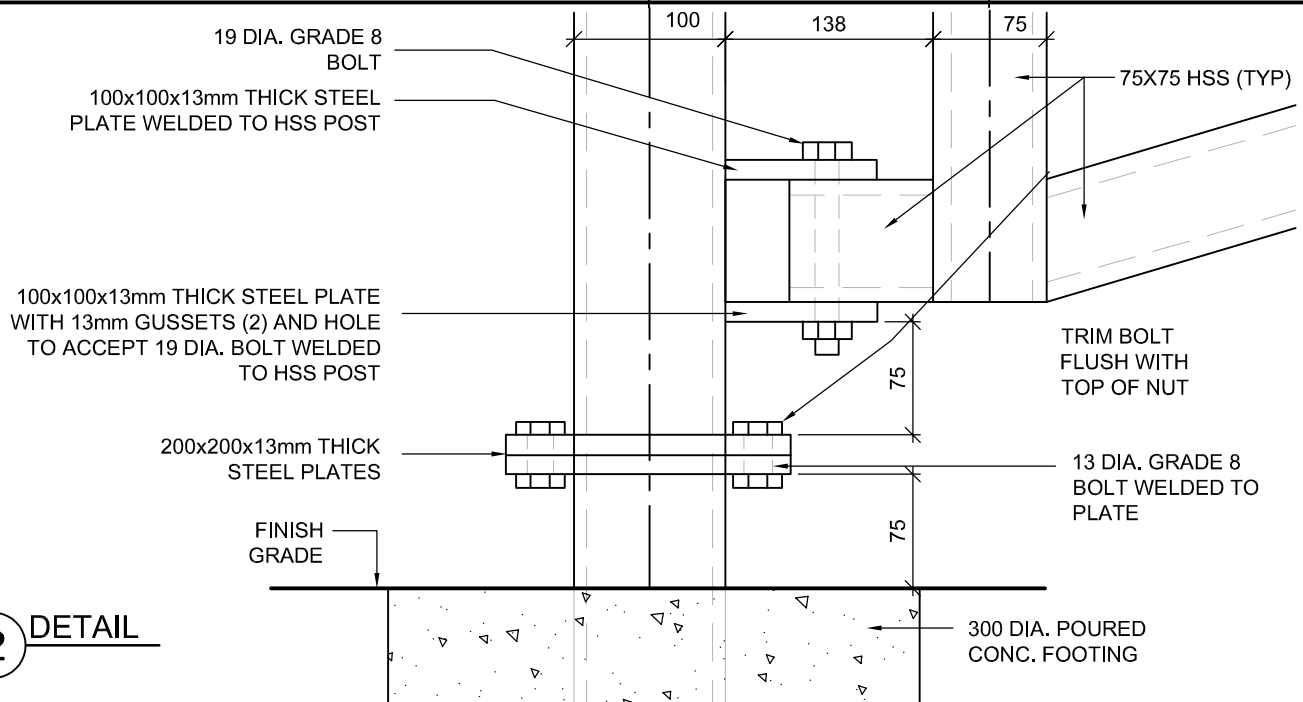
ISSUE/REV.
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AD
218

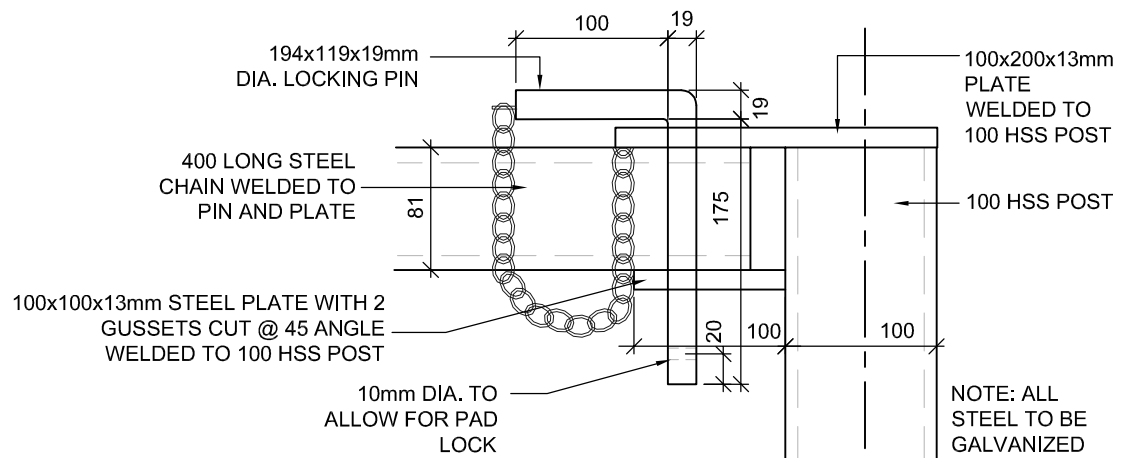
1 DETAIL



2 DETAIL



3 DETAIL



FIRE ROUTE GATE DETAILS

PROJ: 24114
SCALE: AS NOTED
DRAWN: JK
DATE: 25 07 07



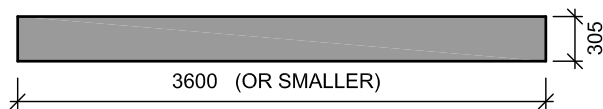
ISSUE/REV.
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AD
219

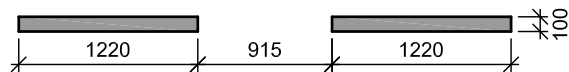
SOLID CENTER LINE
LINE TYPE 1



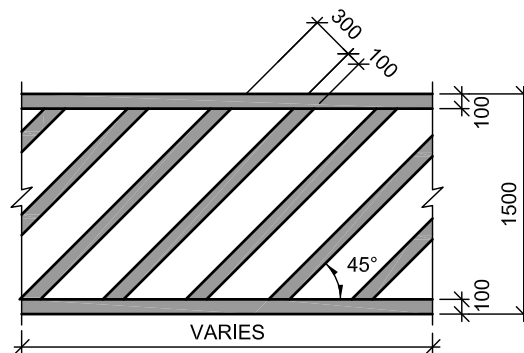
STOP BAR
LINE TYPE 2



BROKEN CENTER LINE
LINE TYPE 3



WALKWAY DESIGNATION
LINE TYPE 4



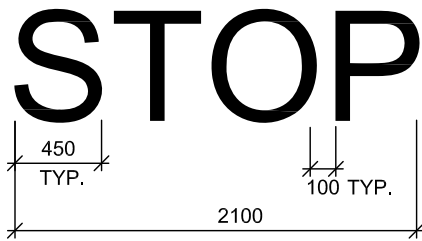
PAVEMENT MARKING LINES

PROJ:	24114
SCALE:	1:50
DRAWN:	GY
DATE:	25 07 07

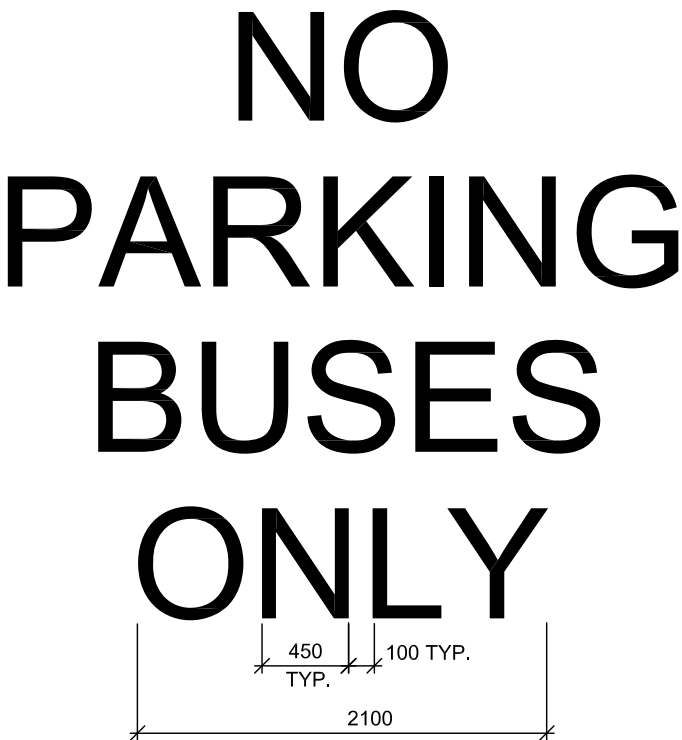


ISSUE/REV.	00
AD	251

MESSAGE 1



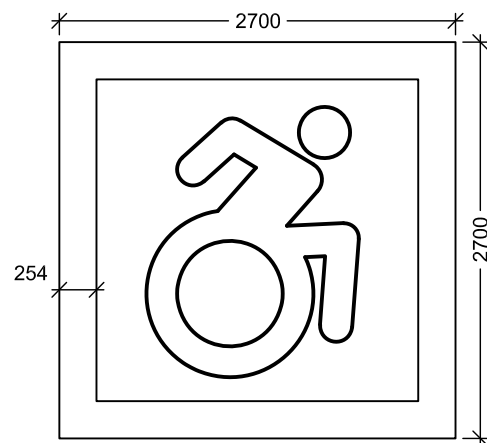
MESSAGE 2



TYPICAL LETTER DIMENSIONS:

FONT COLOUR: YELLOW
FONT TYPE: HELVETICA
THICKNESS: 75mm (3")
HEIGHT: 750mm (29 1/2")
WIDTH: 450mm (18")

MESSAGE 3



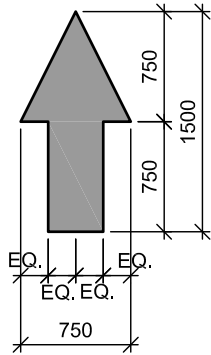
PAVEMENT MARKING MESSAGES

PROJ: 24114
SCALE: N.T.S.
DRAWN: GY
DATE: 25 07 07

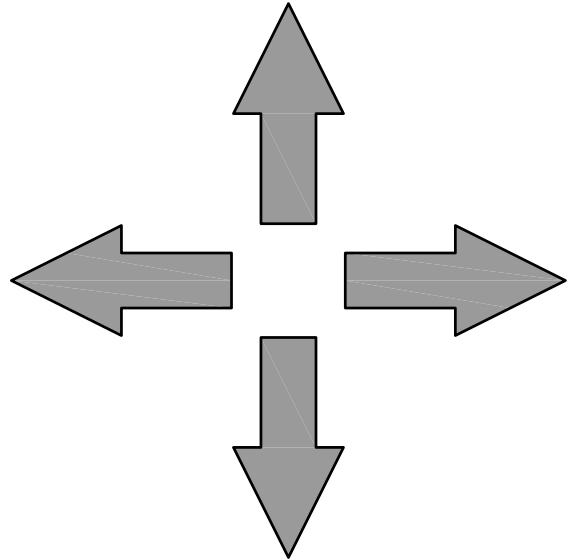


ISSUE/REV.
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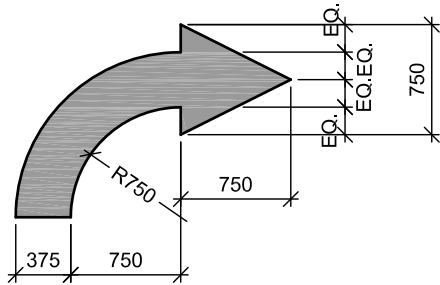
AD
252



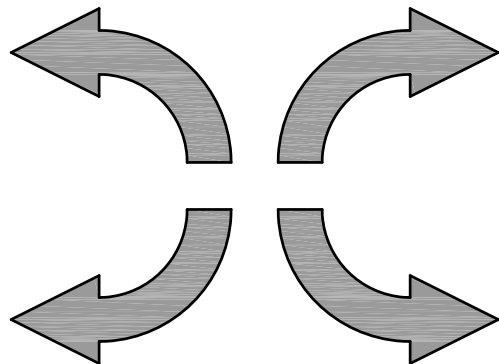
ARROW TYPE: A1
ARROW COLOUR: YELLOW



UP OR DOWN
LEFT OR RIGHT



ARROW TYPE: A2
ARROW COLOUR: YELLOW



UP OR DOWN
LEFT OR RIGHT

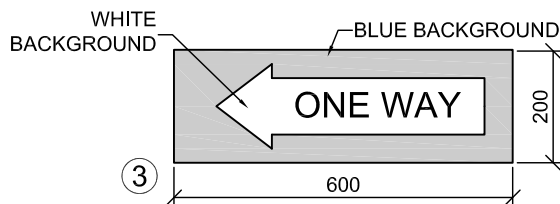
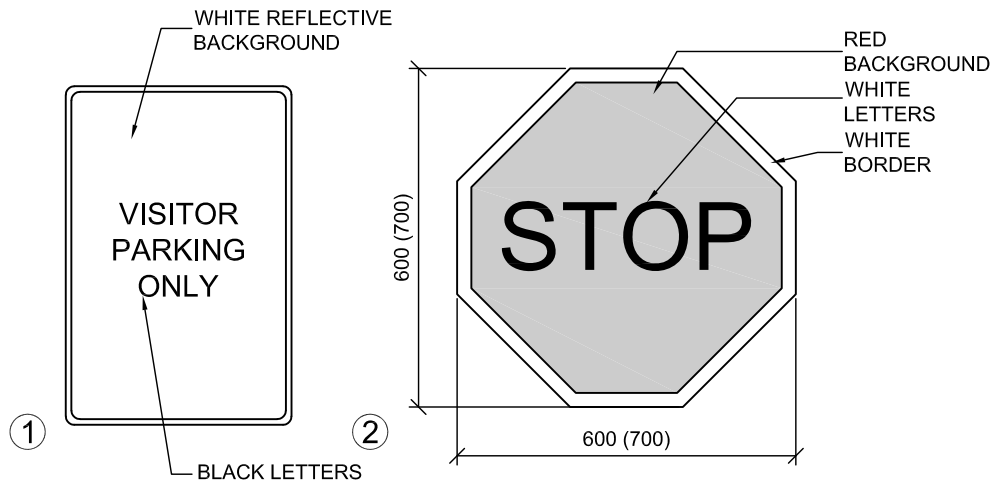
DIRECTIONAL ARROW TYPES

PROJ: 24114
SCALE: N.T.S.
DRAWN: GY
DATE: 25 07 07

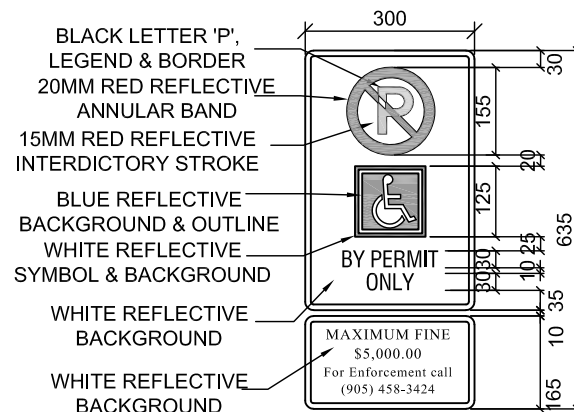
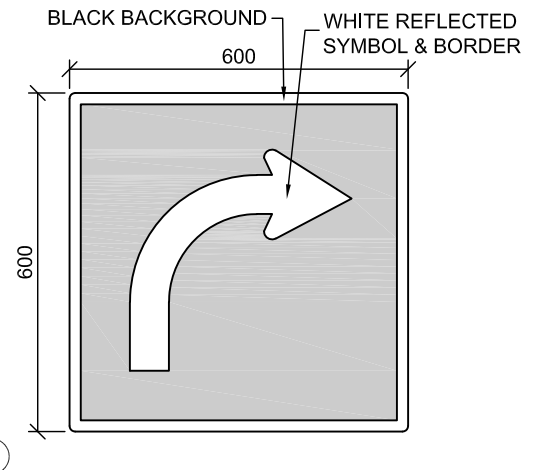
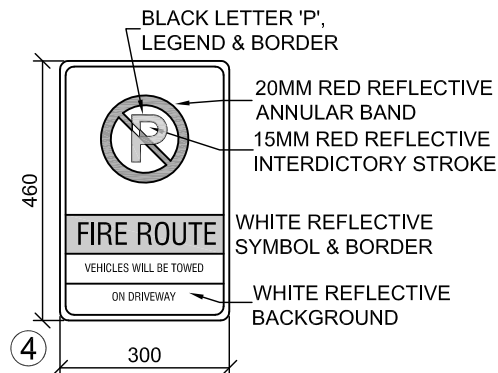


ISSUE/REV.
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AD
255



NOTE: ALL SIGNS TO BE FULL SIZE AND
FORMAT AS PER MUNICIPAL STANDARDS.
POSTS REQUIRED FOR ALL SIGNS



BARRIER-FREE PARKING
SIGNAGE TO MEET CITY OF
HAMILTON MUNICIPAL BY-LAW
REQUIREMENTS

⑥ TYPICAL FOR TYPE B
B.F. PARKING SPOTS

SITE SIGNAGE

PROJ: 24114
SCALE: N.T.S.
DRAWN: GY
DATE: 25 06 15



ISSUE/REV.

AD
256

CAULK, BACKER ROD AND
COMPRESSIBLE FILLER

ROXUL® AFB
100mm WIDE

CHEM-SEAL® SPF

SHEET MEMBRANE
PEEL & STICK OR
THERMOFUSIBLE GRADE

JOINT REINFORCING TO
BE DISCONTINUOUS AT
CONTROL JOINT

MORTAR AND
BUILDING PAPER
BOND BREAK

CAULK AND
BACKER ROD

VERTICAL FIRE STOPPING

BRICK VENEER

CONCRETE BLOCK
BACKUP WALL

SHEET MEMBRANE
PEEL & STICK OR
THERMOFUSIBLE
GRADE

ROXUL® AFB 100mm WIDE

CHEM-SEAL® SPF

MASONRY TIE

HORIZONTAL FIRE STOPPING

FIRESTOPPING DETAIL AT CAVITY WALL

PROJ: 24114

SCALE: 1:5

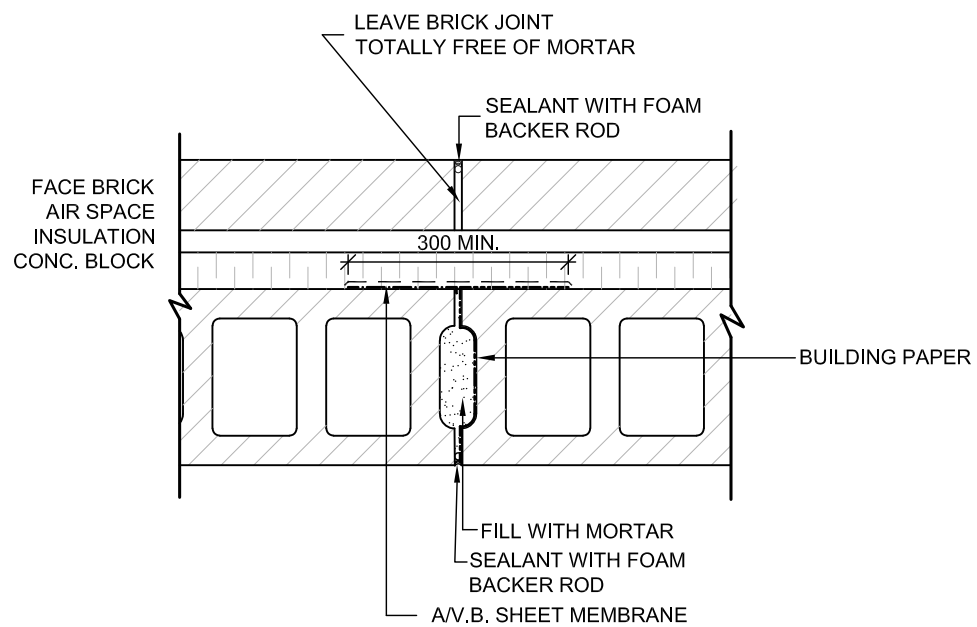
DRAWN: GB

DATE: 25 06 03



ISSUE/REV.
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AD
400



EXTERIOR CAVITY WALL CONTROL JOINT DETAIL

PROJ: 24114

SCALE: 1:10

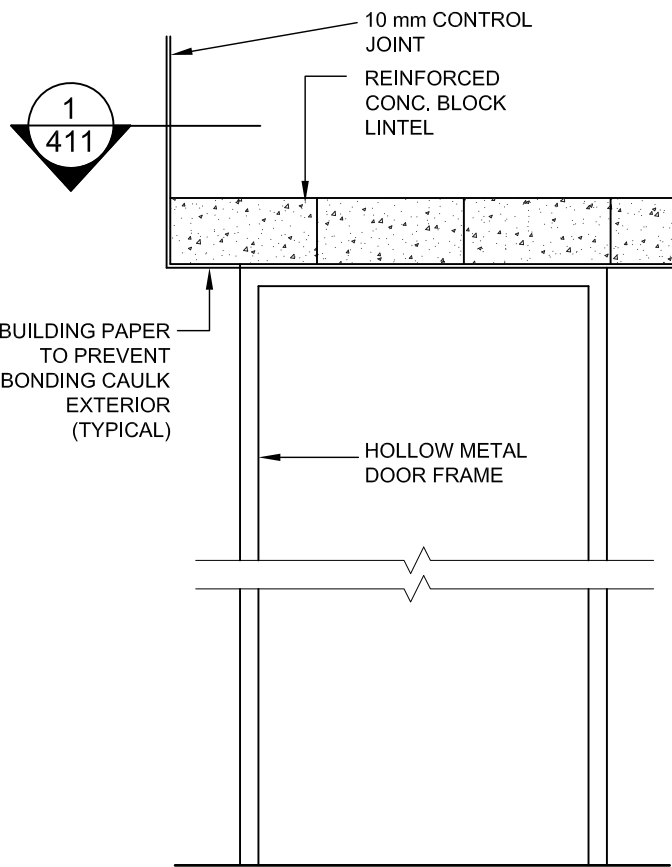
DRAWN: JA

DATE: 25 07 09

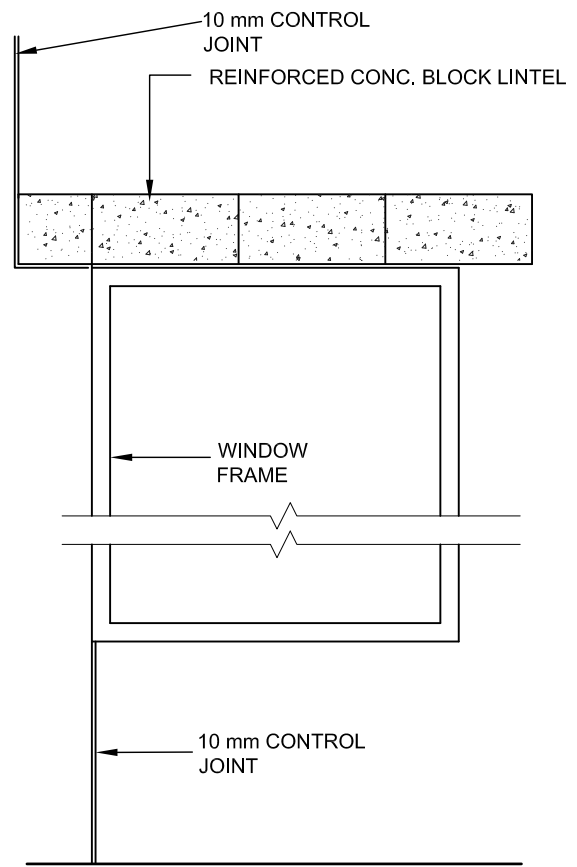


ISSUE/REV.
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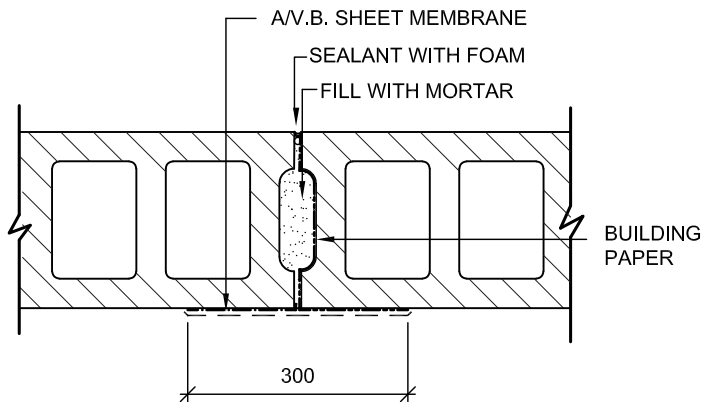
AD
401



1 DOOR CONTROL JOINT
AD411 SCALE 1:20



2 WINDOW CONTROL JOINT
AD411 SCALE 1:20



3 PLAN DETAIL
AD411 SCALE 1:10

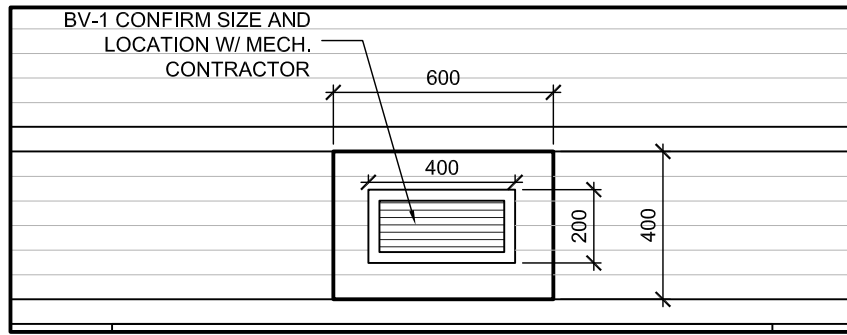
WALL CONTROL JOINT DETAILS INTERIOR SIDE

PROJ: 24114
SCALE: AS NOTED
DRAWN: JA
DATE: 25 07 09

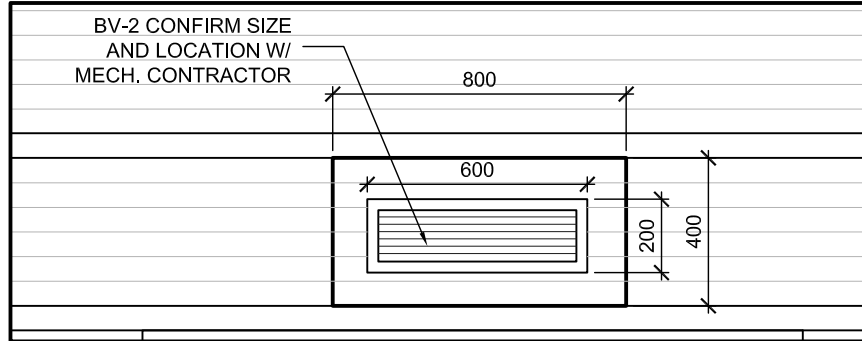


ISSUE/REV.
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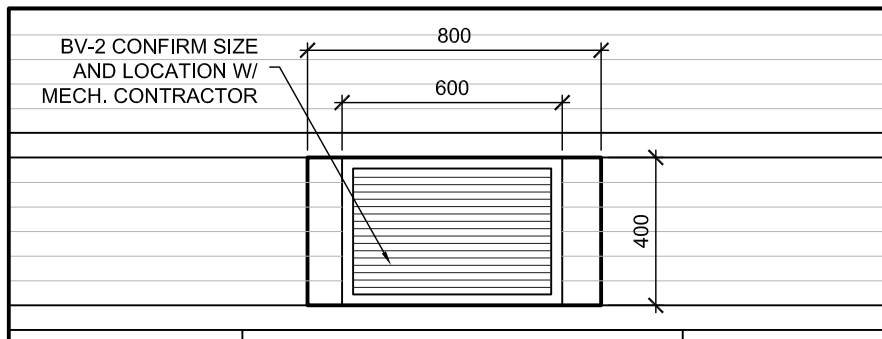
AD
411



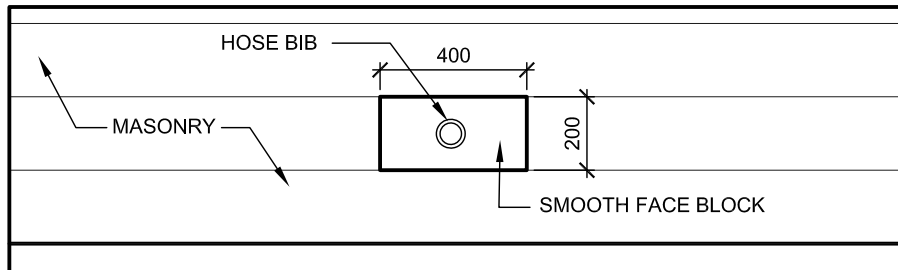
1 BV-1 DETAIL
AD412



2 BV-2 DETAIL
AD412



3 WL-5 DETAIL
AD412



4 HOSE BIB DETAIL
AD412

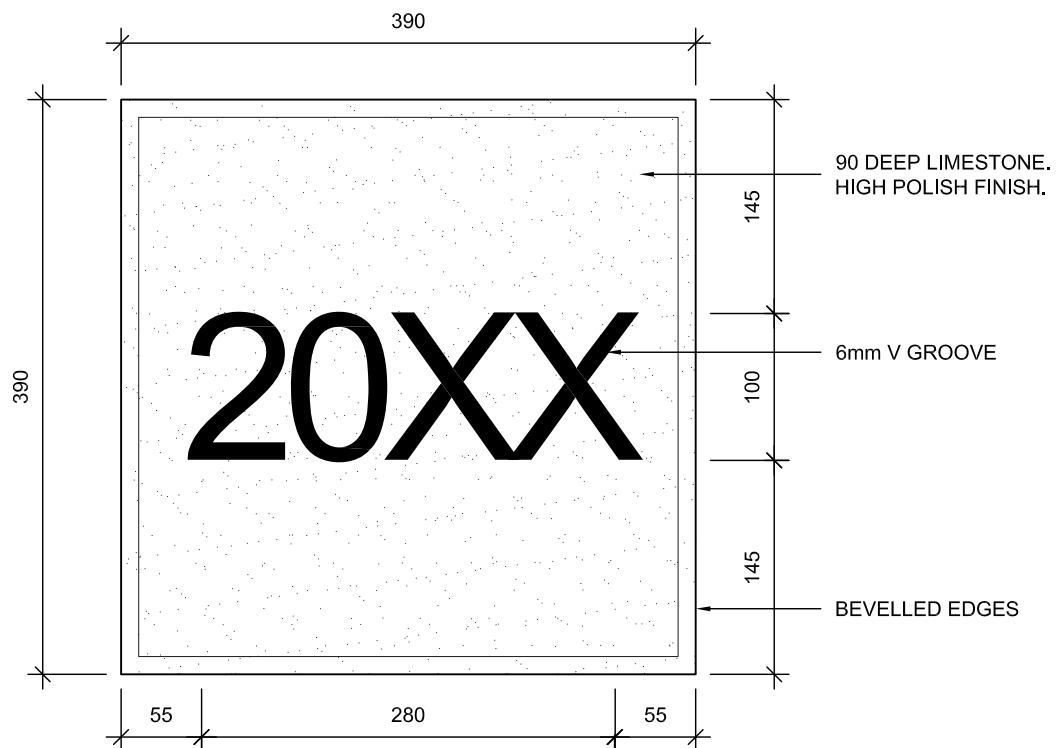
BRICK VENT DETAILS

PROJ: 24114
SCALE: 1:20
DRAWN: BP
DATE: 25 06 15



ISSUE/REV.
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AD
412



DATE STONE

PROJ: 24114

SCALE: NOTED

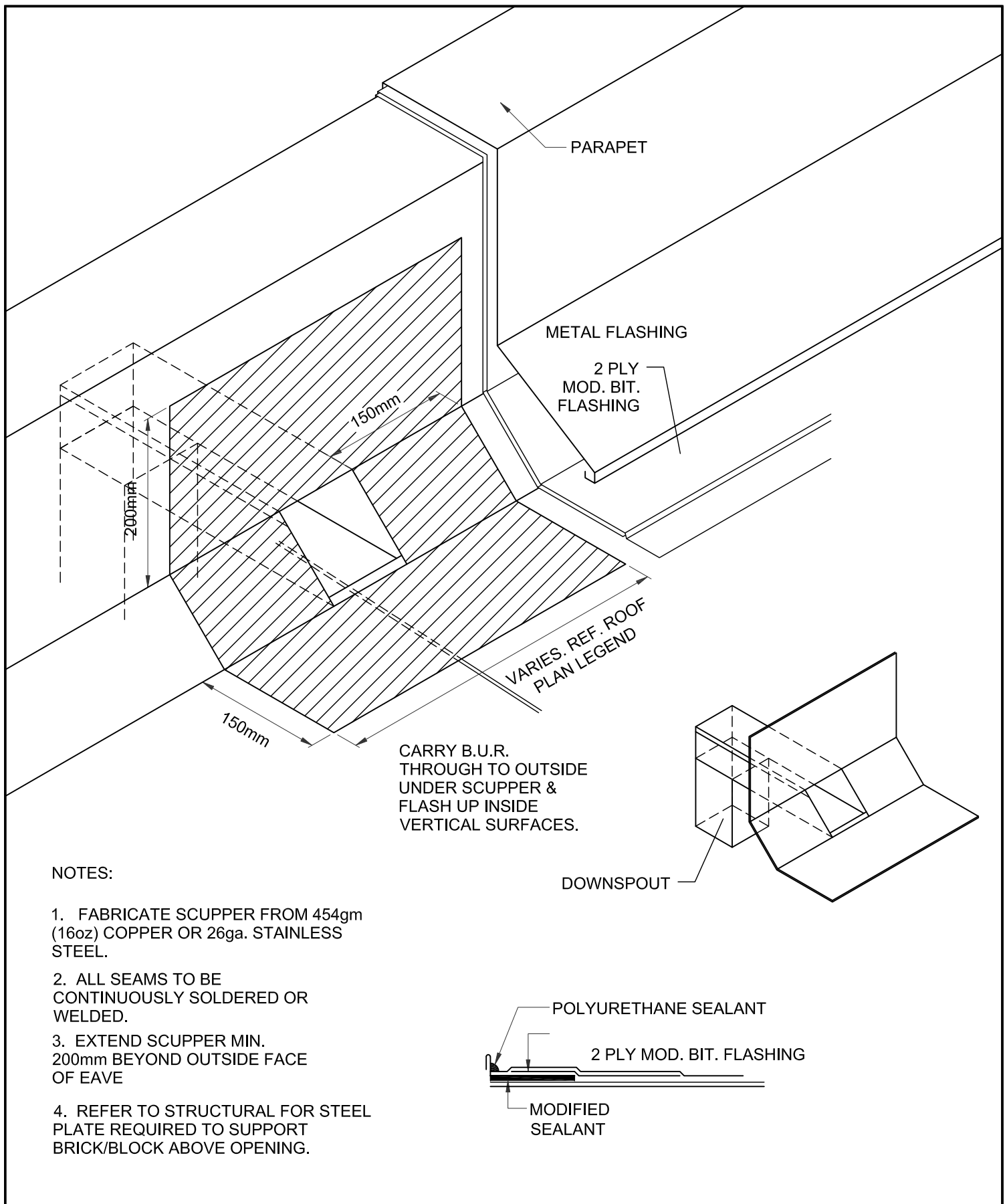
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DATE: 25 07 09



ISSUE/REV.

AD
413



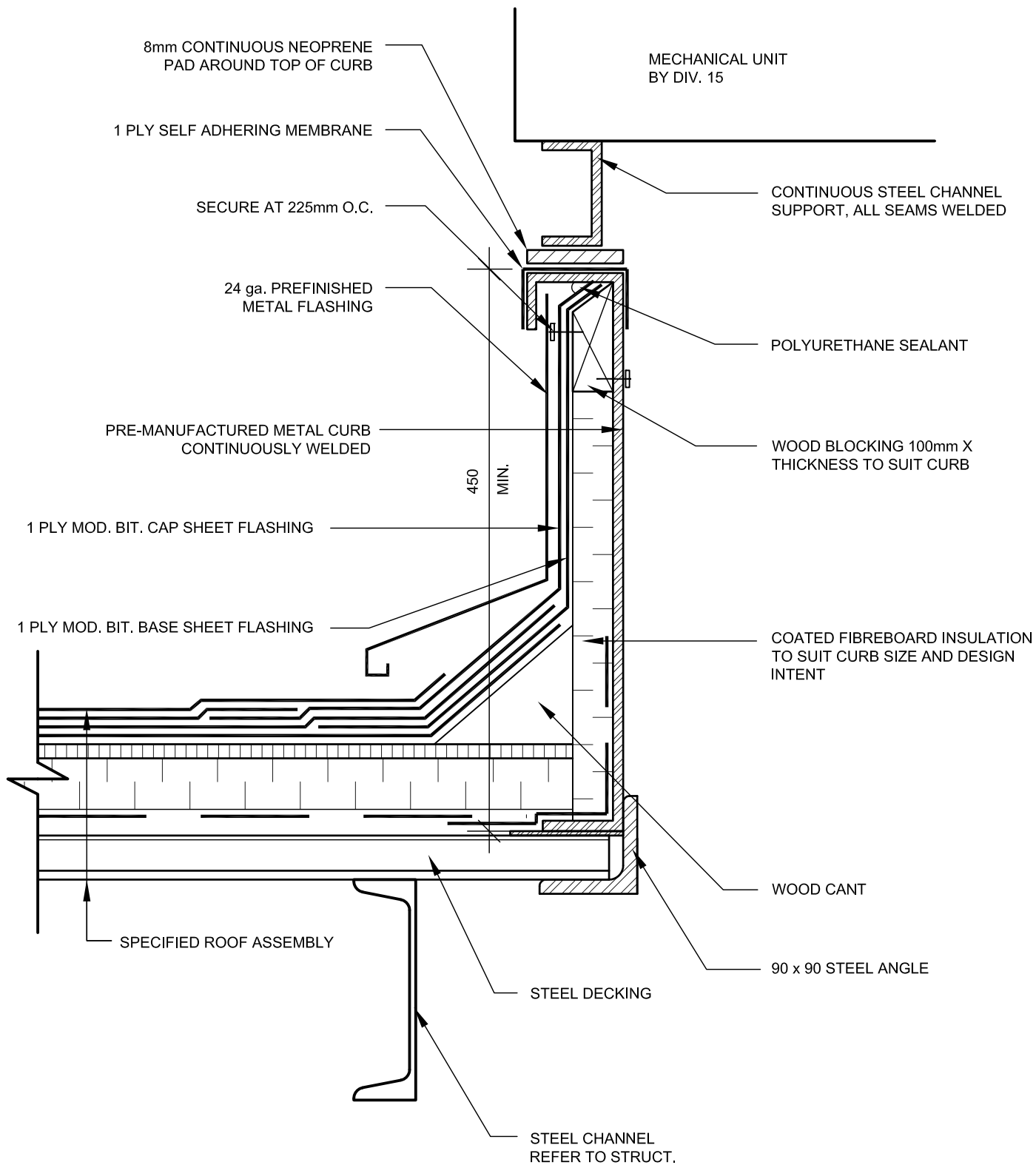
ROOF SCUPPER - NEW ADDITION

PROJ: 24114
 SCALE: NTS
 DRAWN: KW
 DATE: SEPT. 25



ISSUE/REV.
 00

AD
 451



MECHANICAL CURB DETAIL

PROJ:	24114
SCALE:	1:5
DRAWN:	GY
DATE:	25 07 24

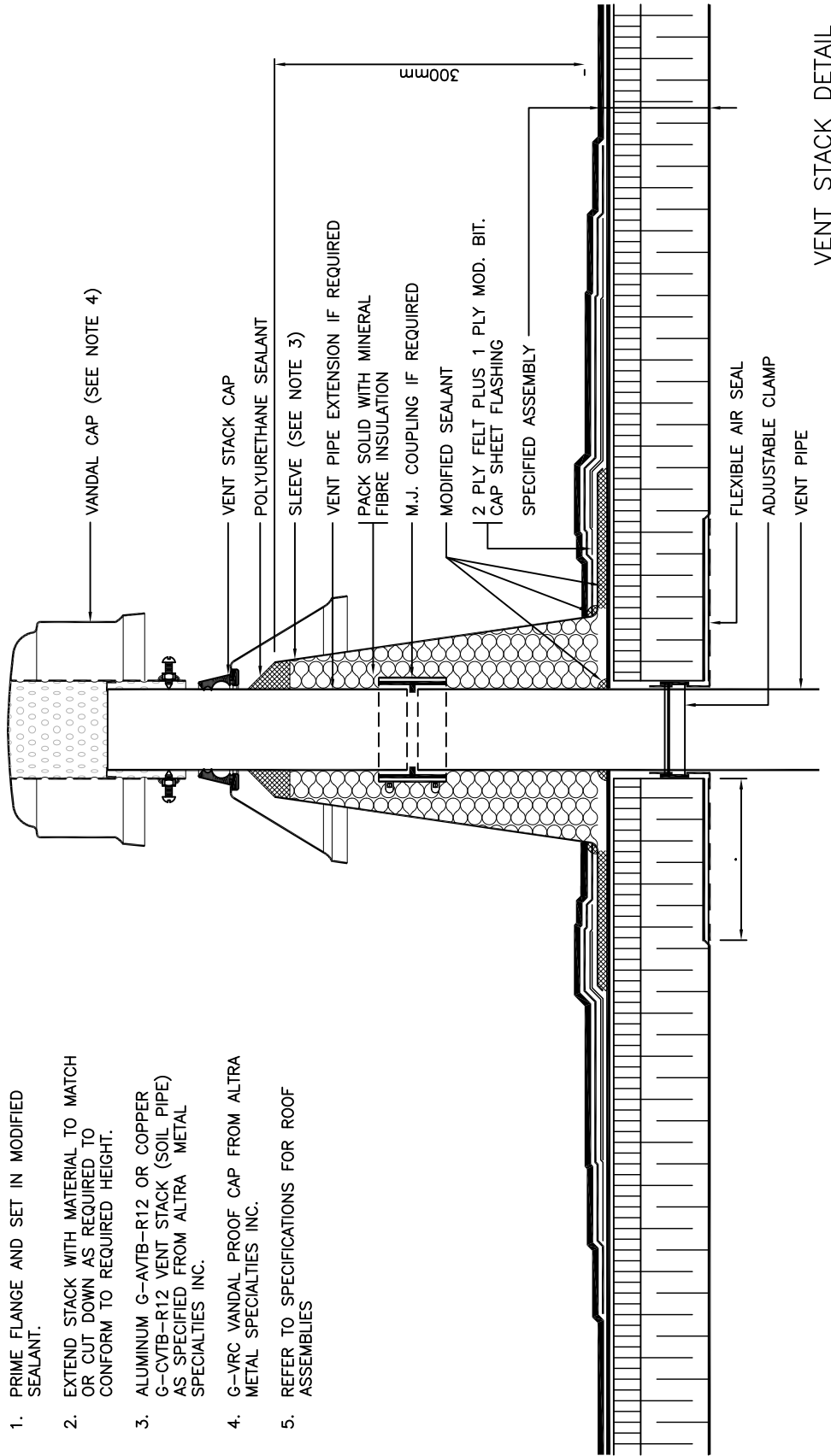


ISSUE/REV.
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AD
455

NOTES:

1. PRIME FLANGE AND SET IN MODIFIED SEALANT.
2. EXTEND STACK WITH MATERIAL TO MATCH OR CUT DOWN AS REQUIRED TO CONFORM TO REQUIRED HEIGHT.
3. ALUMINUM G-AVTB-R12 OR COPPER G-CVTB-R12 VENT STACK (SOIL PIPE) AS SPECIFIED FROM ALTRA METAL SPECIALTIES INC.
4. G-VRC VANDAL PROOF CAP FROM ALTRA METAL SPECIALTIES INC.
5. REFER TO SPECIFICATIONS FOR ROOF ASSEMBLIES



VENT STACK DETAIL

VENT STACK DETAIL

PROJ:	24114
SCALE:	NTS
DRAWN:	GY
DATE:	25 07 07



ISSUE/REV.
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AD
459

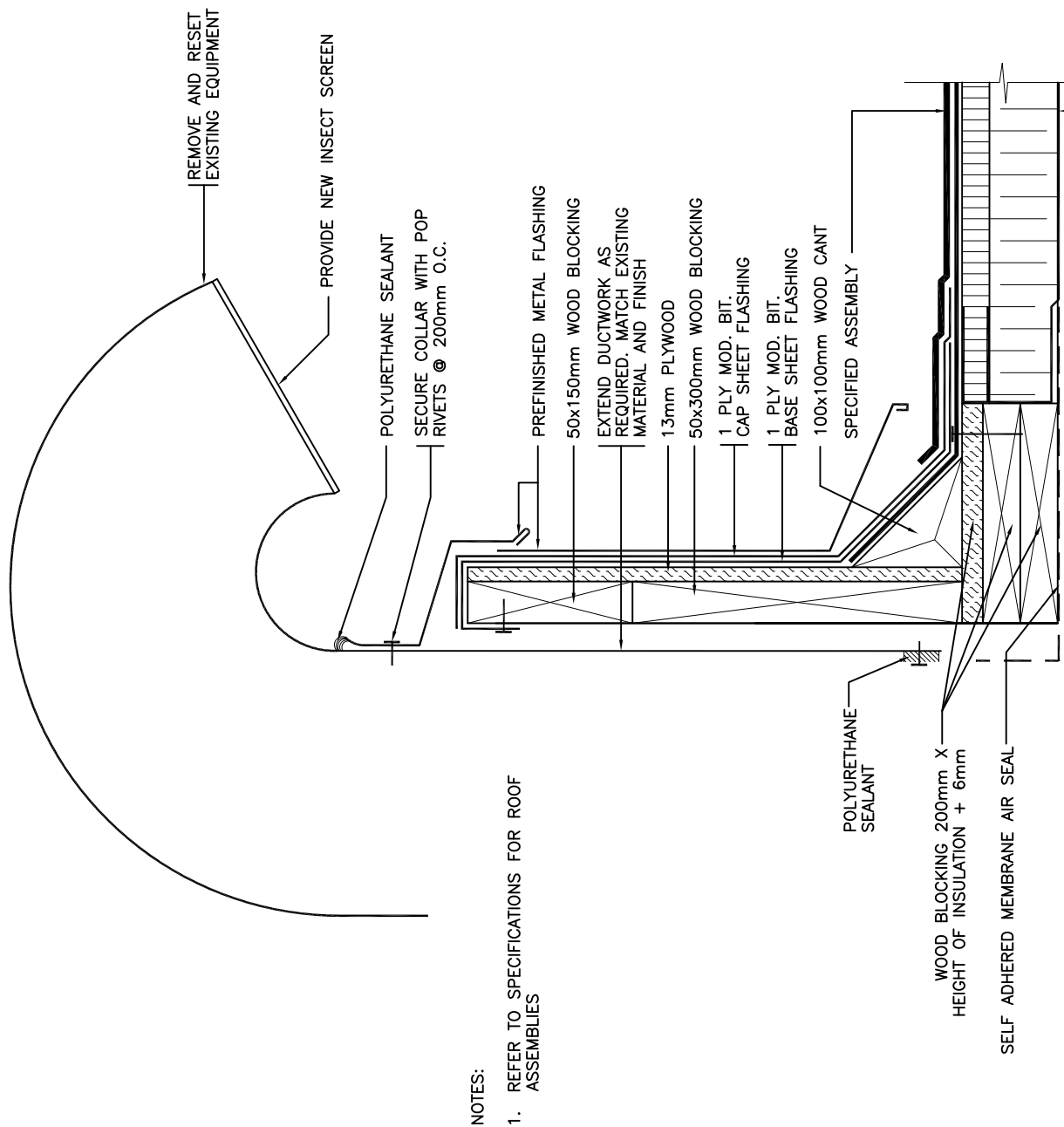
GOOSENECK CURB DETAIL

PROJ:	24114
SCALE:	NTS
DRAWN:	GY
DATE:	25 07 22



ISSUE/REV.
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AD
460



NOTES:

1. REFER TO SPECIFICATIONS FOR ROOF ASSEMBLIES

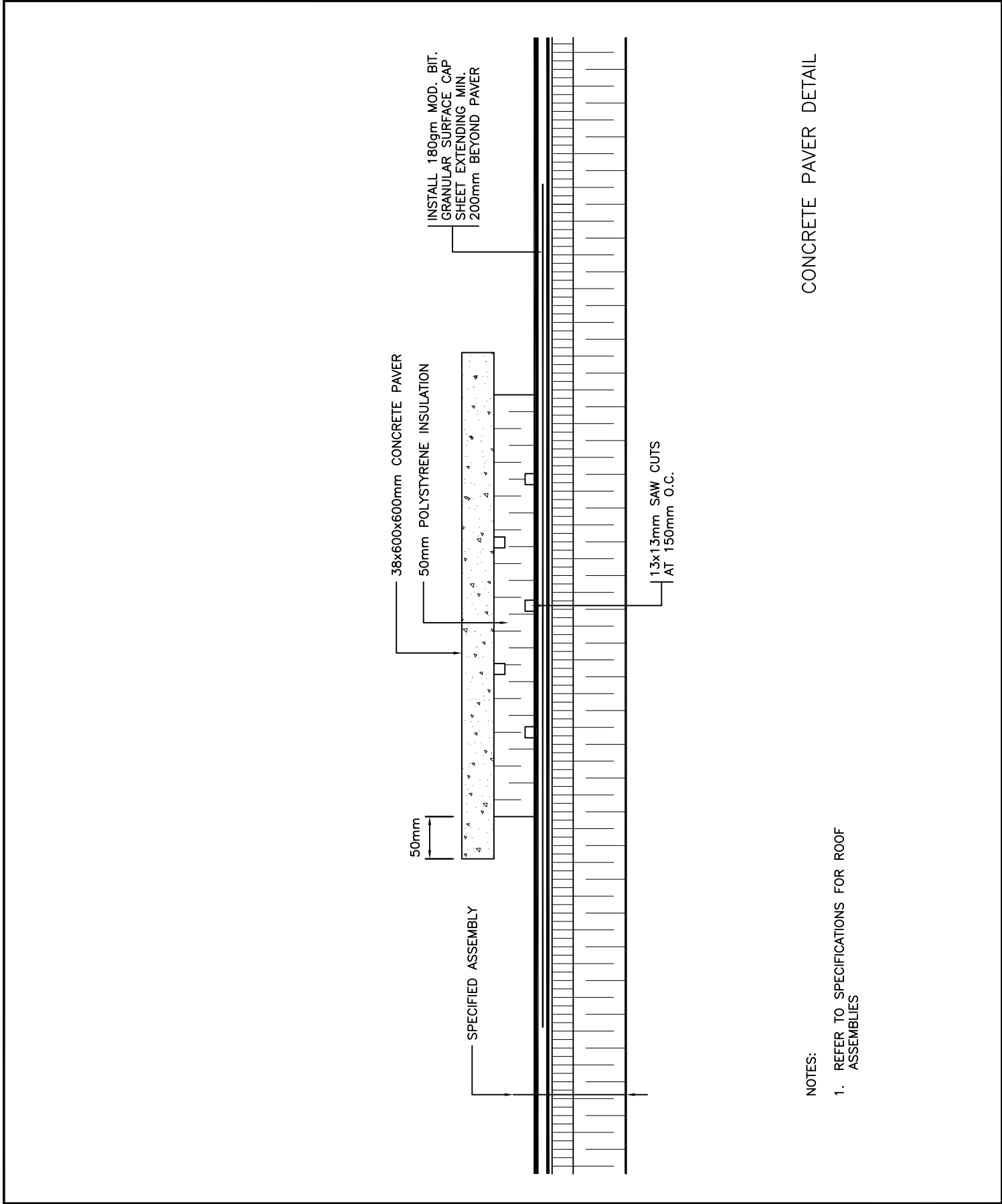
GOOSENECK CURB DETAIL

CONCRETE PAVER DETAIL

PROJ:	24114
SCALE:	NTS
DRAWN:	GY
DATE:	25 07 24

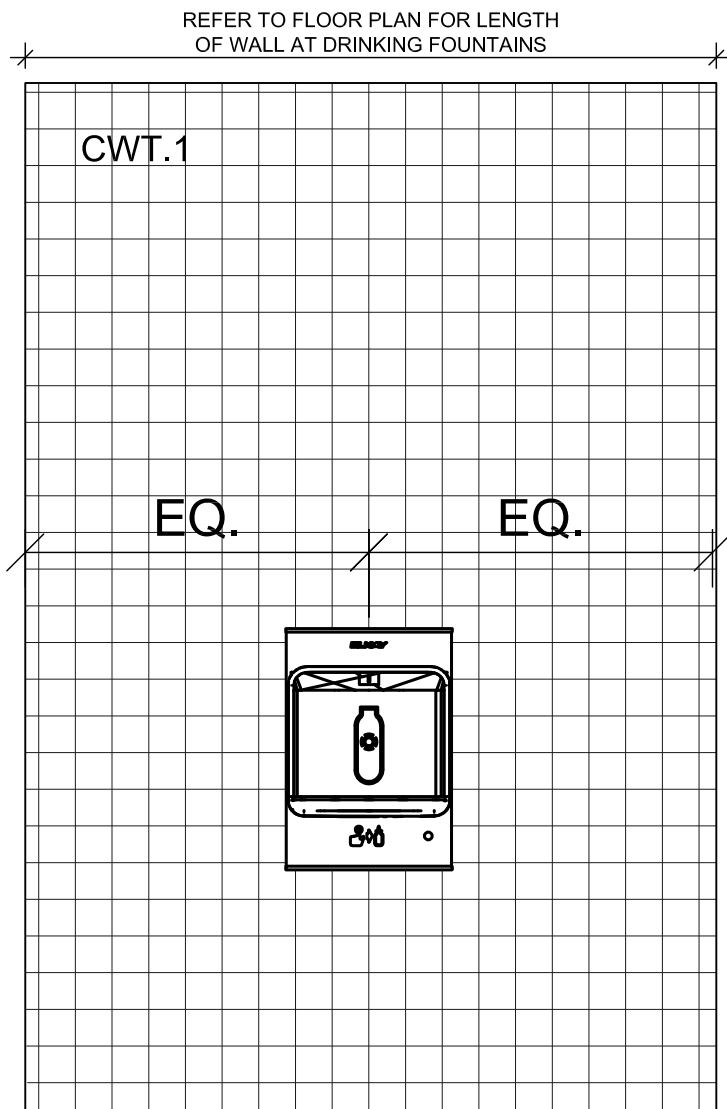


ISSUE/REV.	00
AD	461

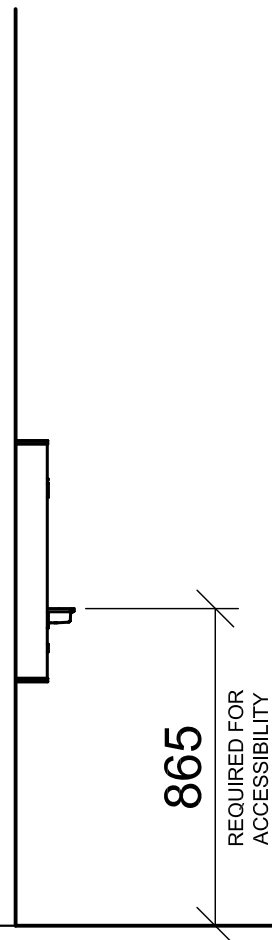


NOTES:
1. REFER TO SPECIFICATIONS FOR ROOF ASSEMBLIES

CONCRETE PAVER DETAIL



FRONT ELEVATION



SECTION

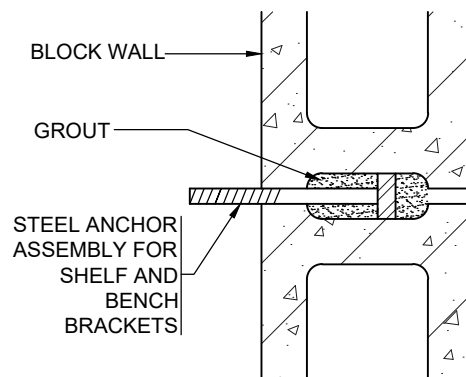
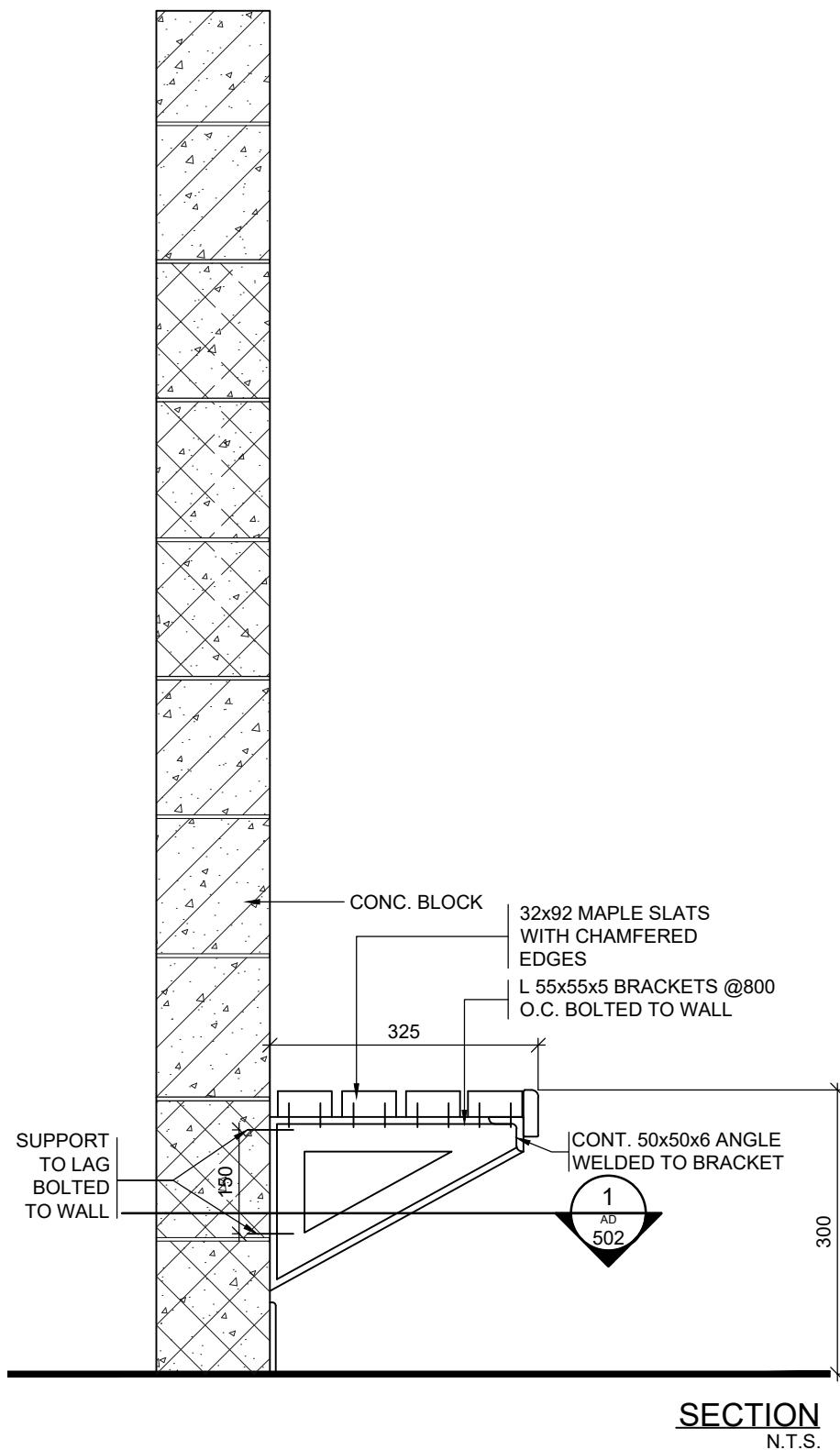
CORRIDOR BOTTLE FILLER

PROJ:	24114
SCALE:	1:20
DRAWN:	JA
DATE:	25 07 09

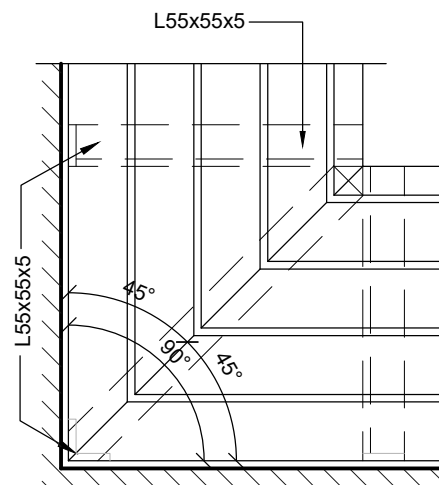


ISSUE/REV.
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AD
502



DETAIL 1



PLAN

SCALE 1: 10

AT RETURNS PROVIDE 2
BRACKETS PLUS ADDITIONAL
ANGLE UNDER THE MITERED
CORNER.

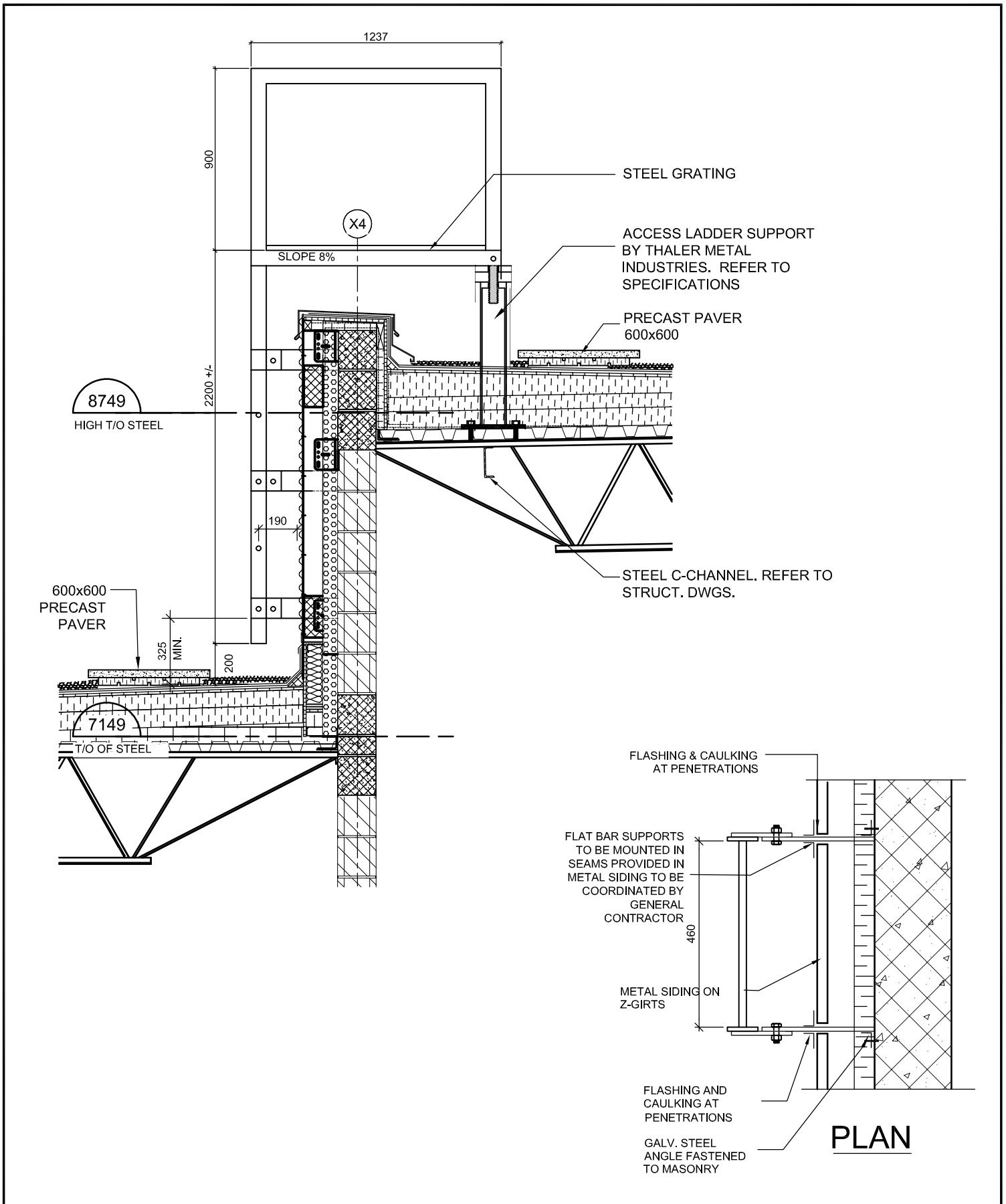
BENCH DETAIL M5

PROJ: 24114
SCALE: N.T.S.
DRAWN: KB
DATE: 25 08 11



ISSUE/REV.
00

AD
503



ROOF ACCESS LADDER TO LIBRARY HIGH ROOF

PROJ: 24114

SCALE: N.T.S.

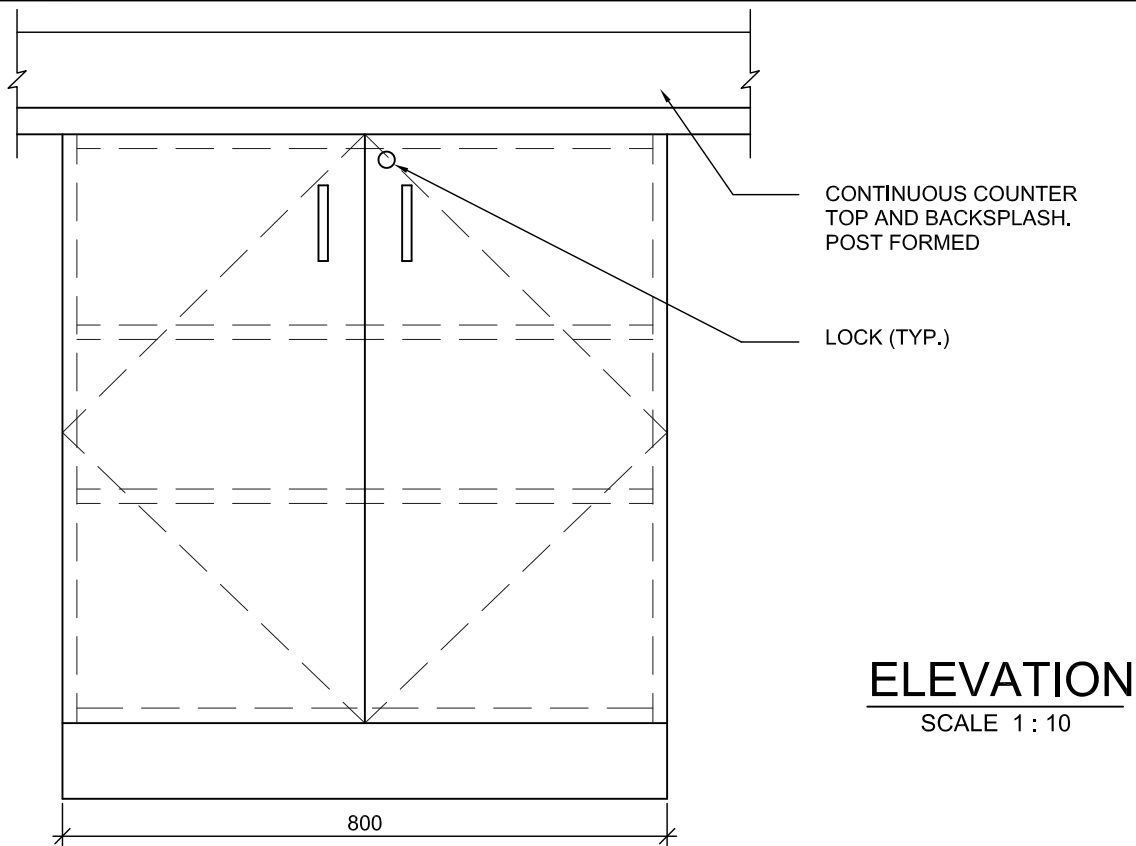
DRAWN: JK

DATE: 25 10 10

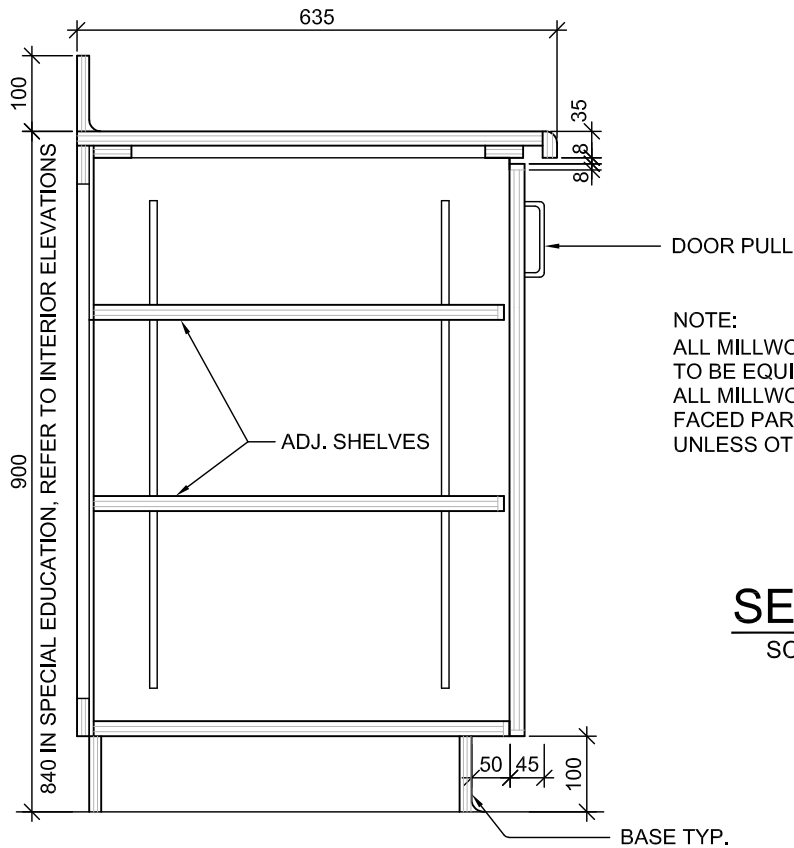


ISSUE/REV.
00

AD
519



NOTE: CUT SPLASHBACK
AT WINDOWS



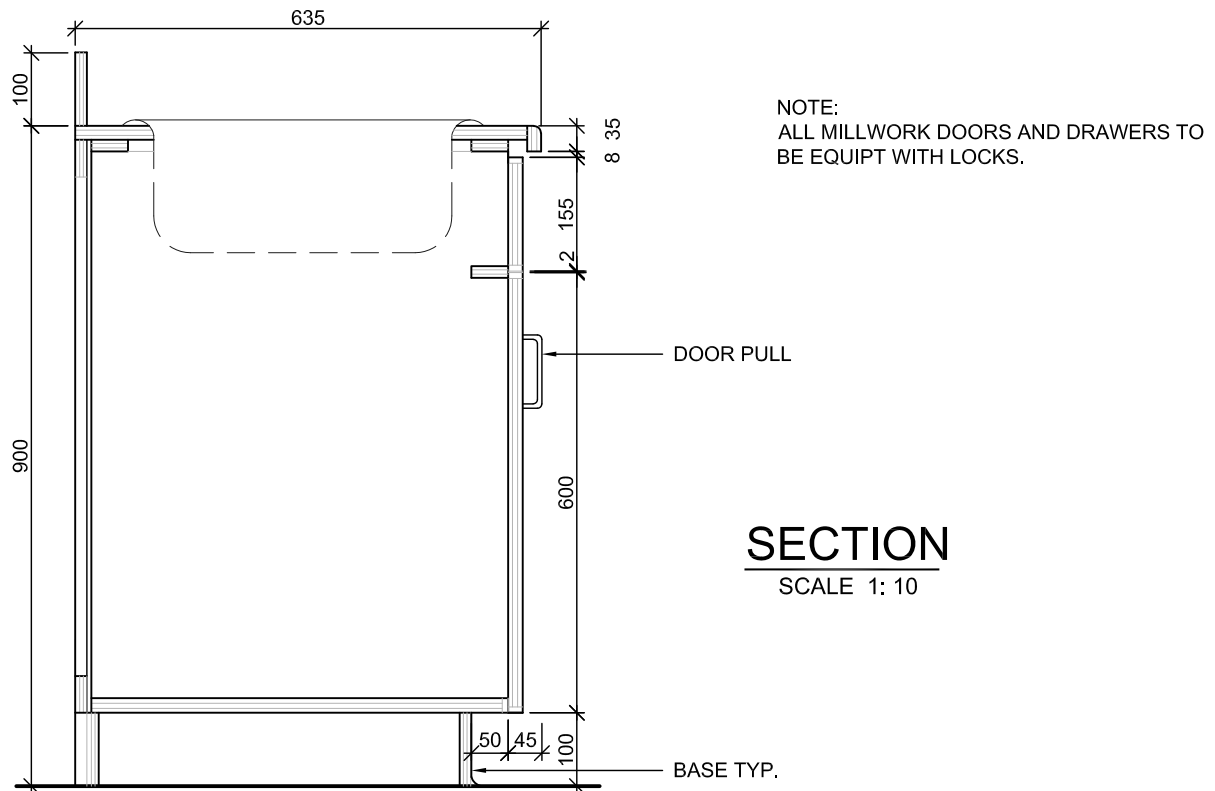
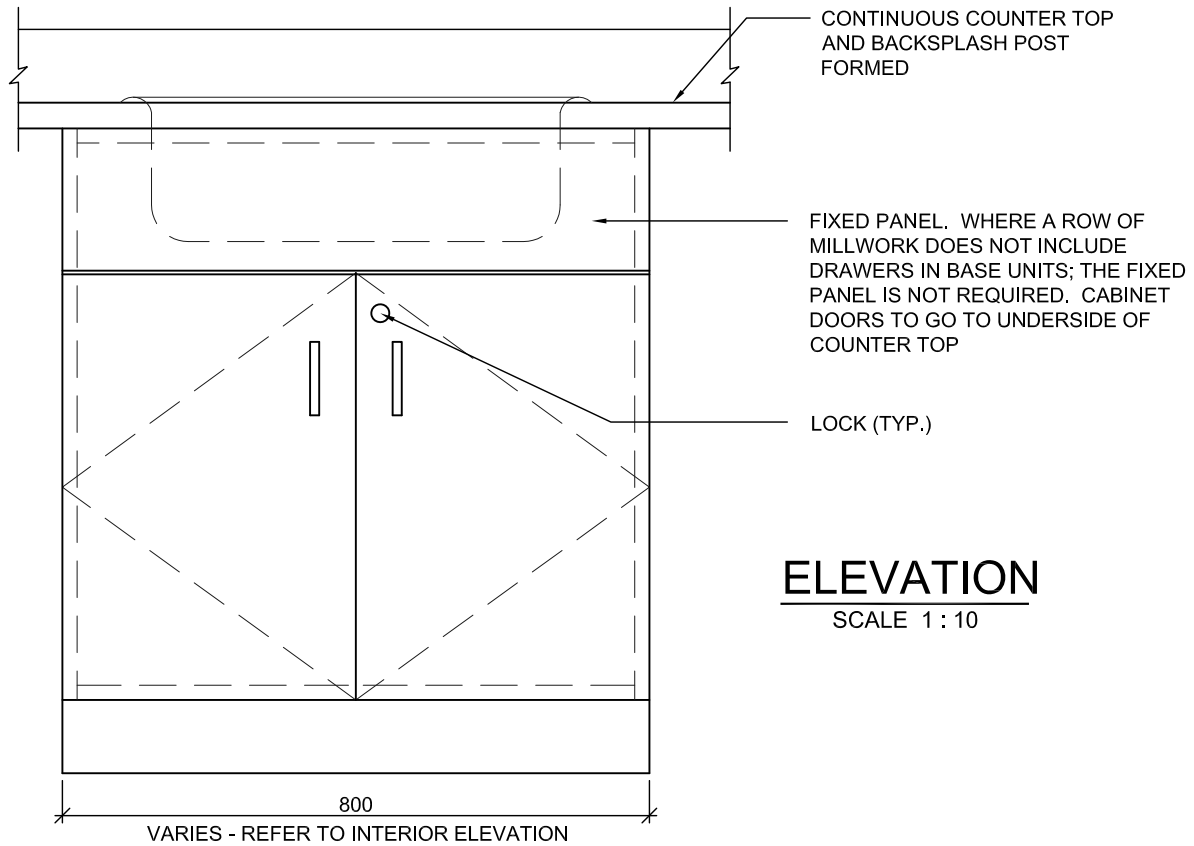
TYPE B1 - LOWER CABINET

PROJ: 24114
SCALE: 1:10
DRAWN: GY
DATE: 25 07 07



ISSUE/REV.
00

AD
601



TYPE B2 - LOWER SINK CABINET

PROJ: 24114

SCALE: 1:10

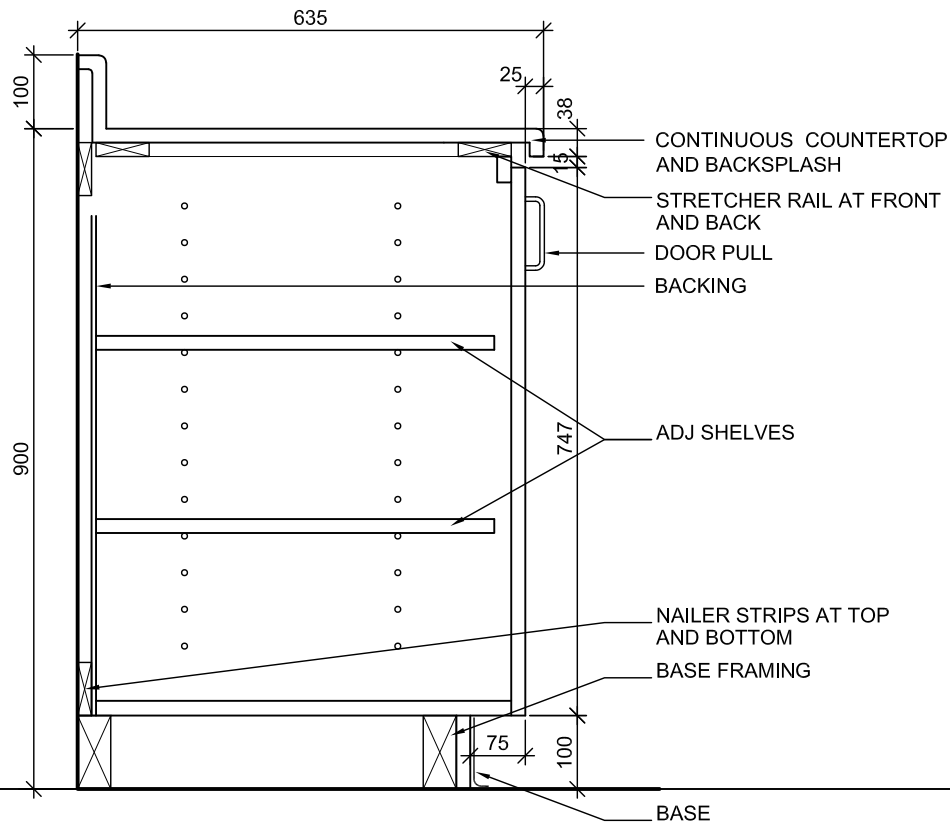
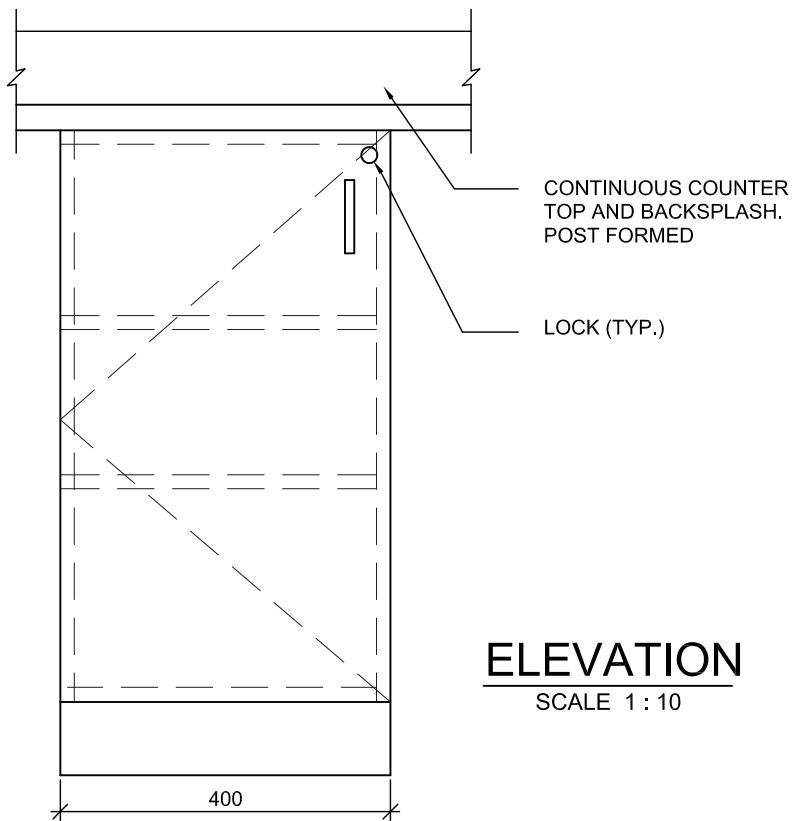
DRAWN: GY

DATE: 25 07 07



ISSUE/REV.
00

AD
602



NOTE:
ALL MILLWORK DOORS AND DRAWERS
TO BE EQUIPPED WITH LOCKS
UNLESS OTHERWISE NOTED.

SECTION

SCALE 1: 10

TYPE B7 - SINGLE LOWER CABINET

PROJ: 24114

SCALE: 1:10

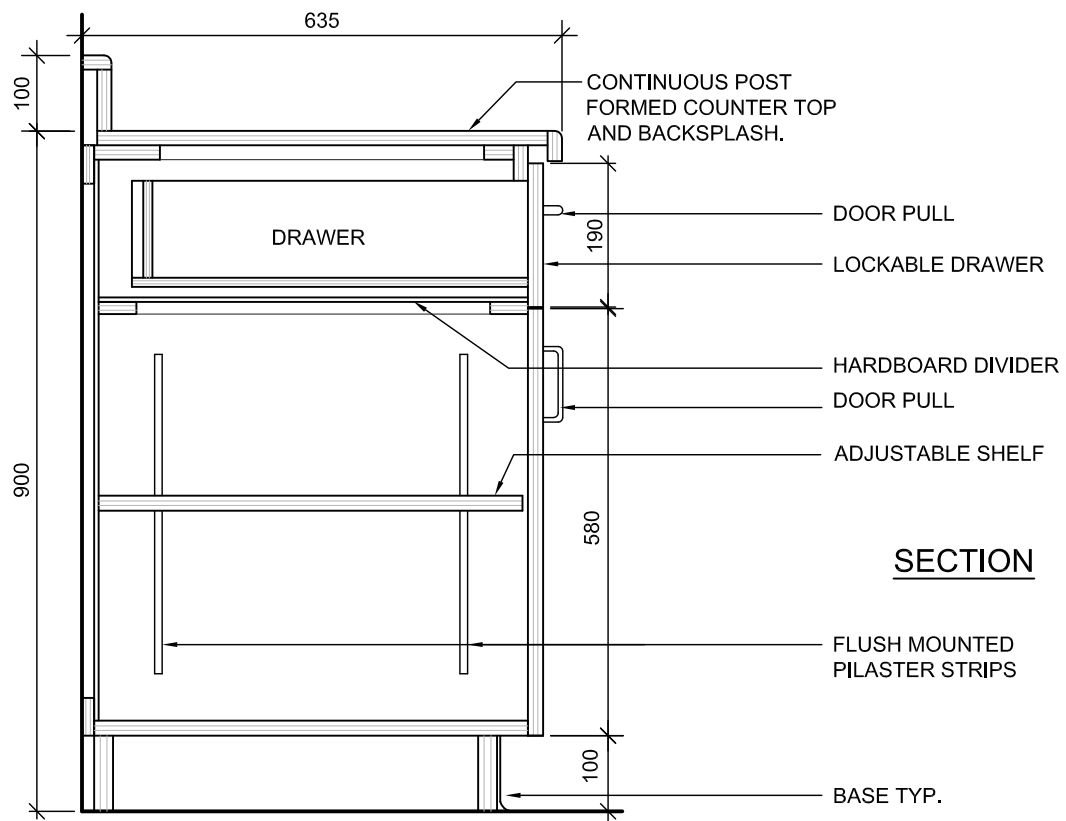
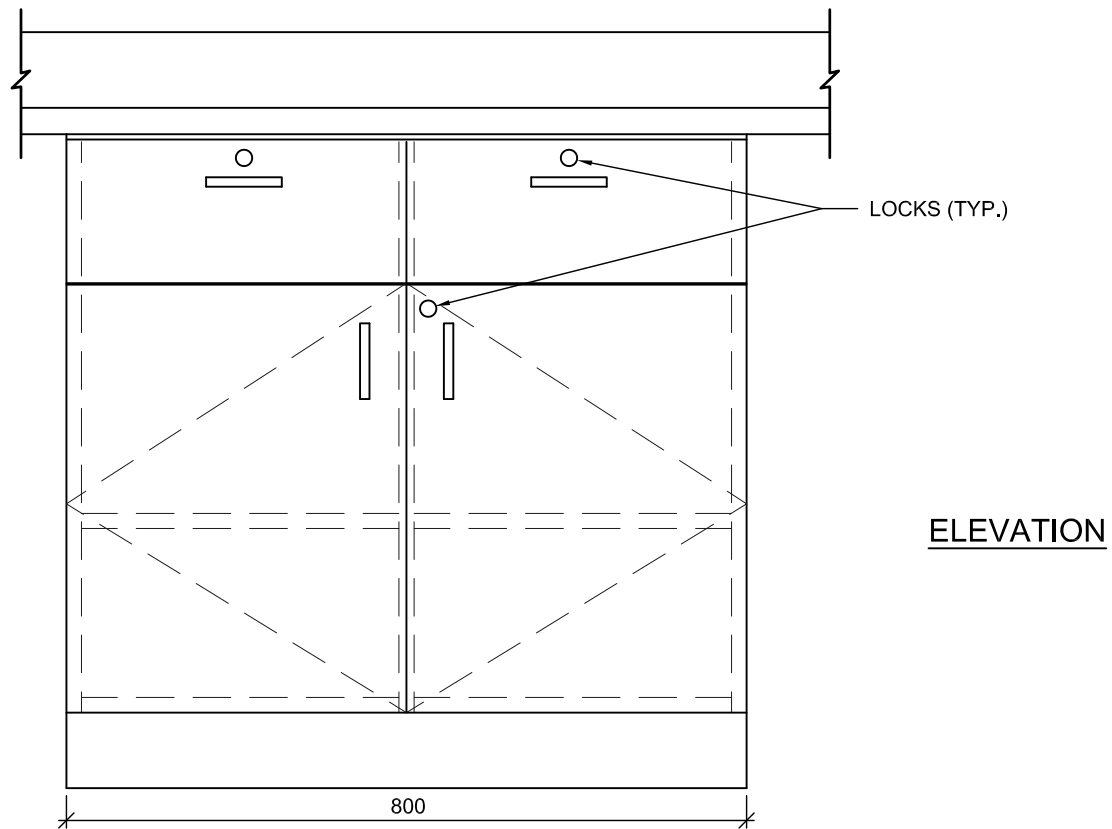
DRAWN: KB

DATE: 25 07 07



ISSUE/REV.
00

AD
607



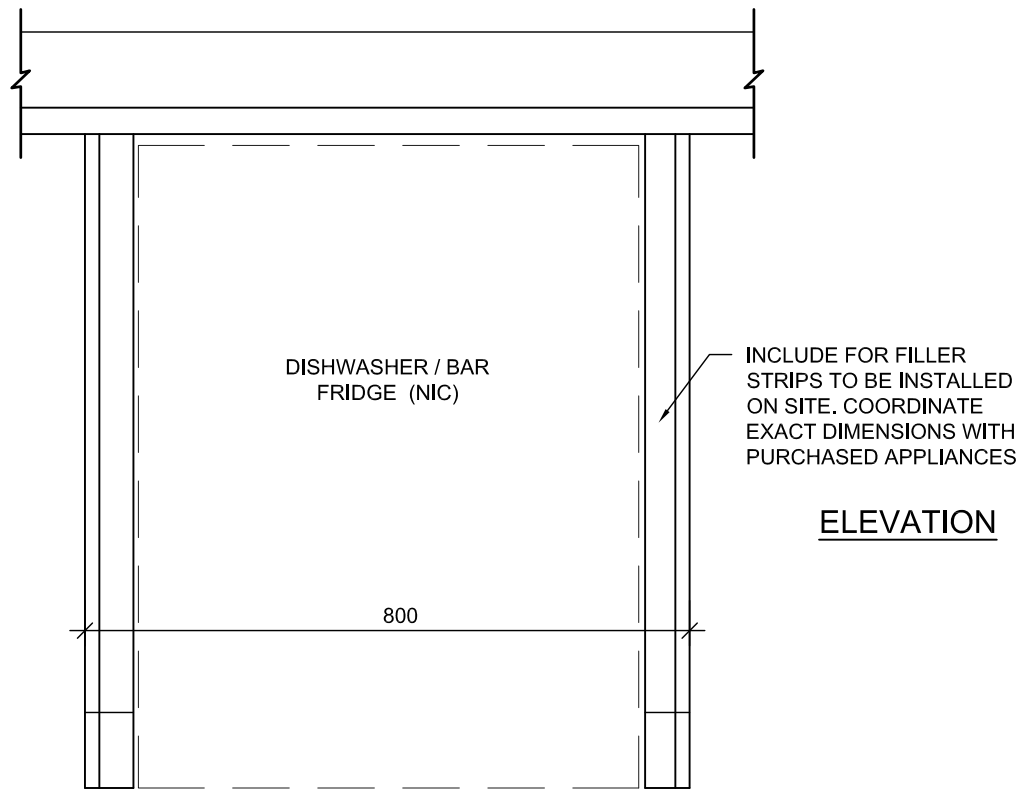
TYPE B8 - LOWER CABINET

PROJ: 24114
SCALE: 1:10
DRAWN: GY
DATE: 25 07 07

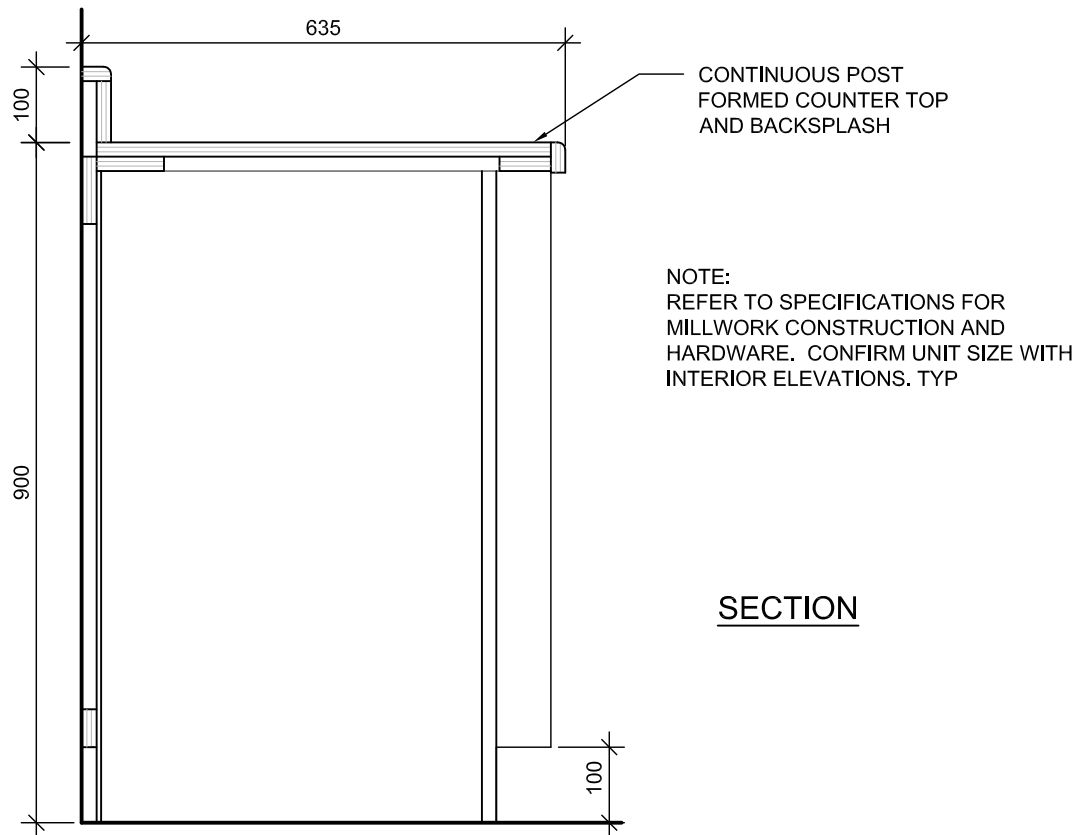


ISSUE/REV.
00

AD
608



ELEVATION



SECTION

TYPE B10 - DISH WASHER LOWER MILLWORK

PROJ: 24114

SCALE: 1:10

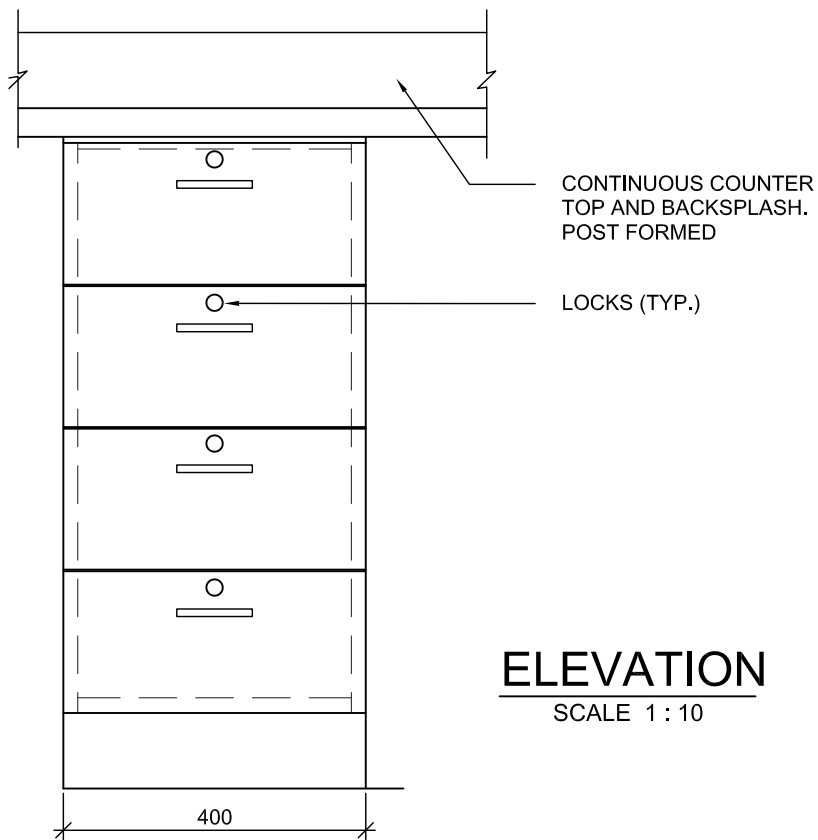
DRAWN: GY

DATE: 25 07 07



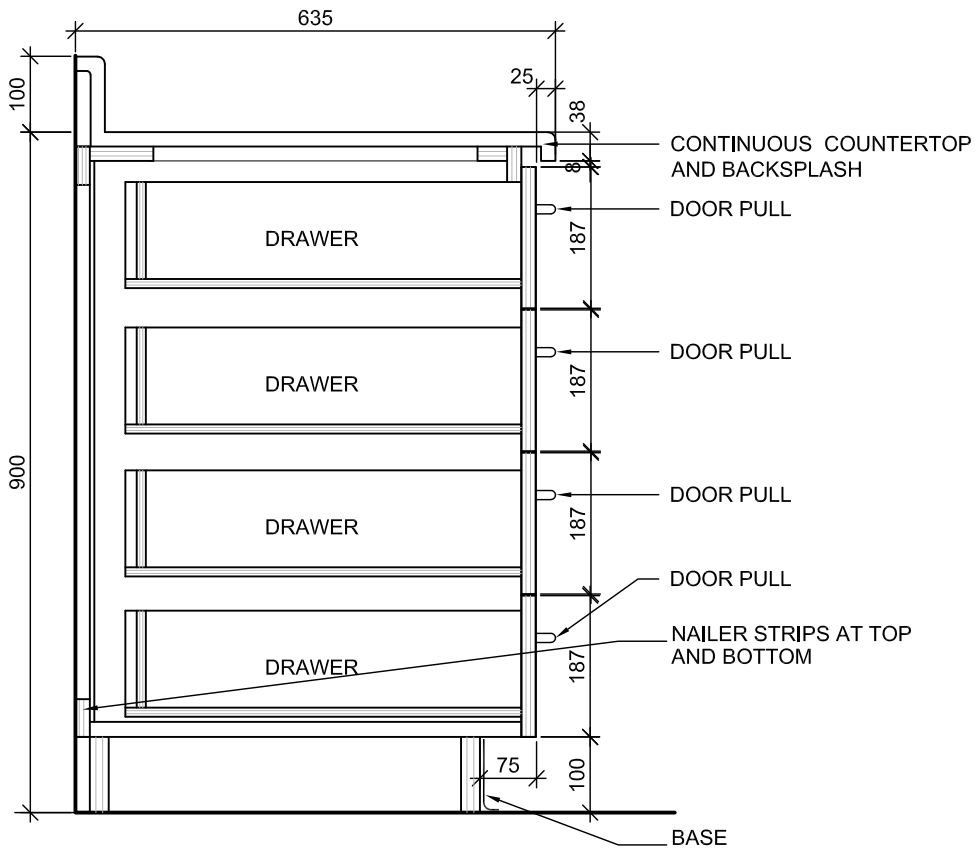
ISSUE/REV.
00

AD
609



ELEVATION

SCALE 1 : 10



NOTE:
ALL MILLWORK DOORS AND DRAWERS
TO BE EQUIPPED WITH LOCKS UNLESS
OTHERWISE NOTED.

SECTION

SCALE 1: 10

TYPE B11 - LOWER CABINET WITH
DRAWERS

PROJ: 24114

SCALE: 1:10

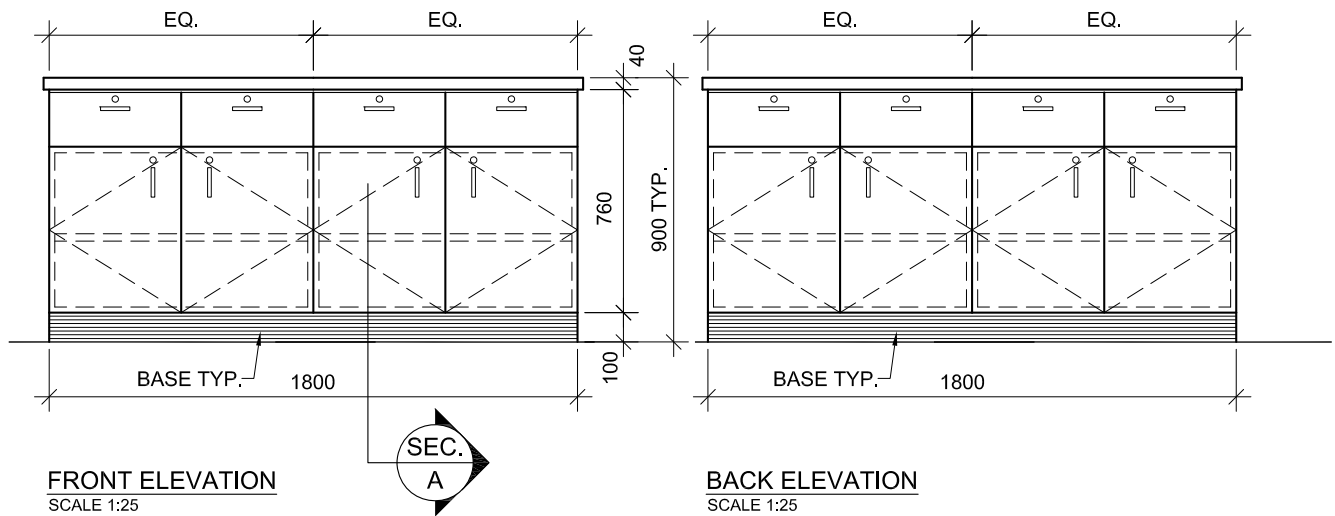
DRAWN: TC

DATE: 25 07 14

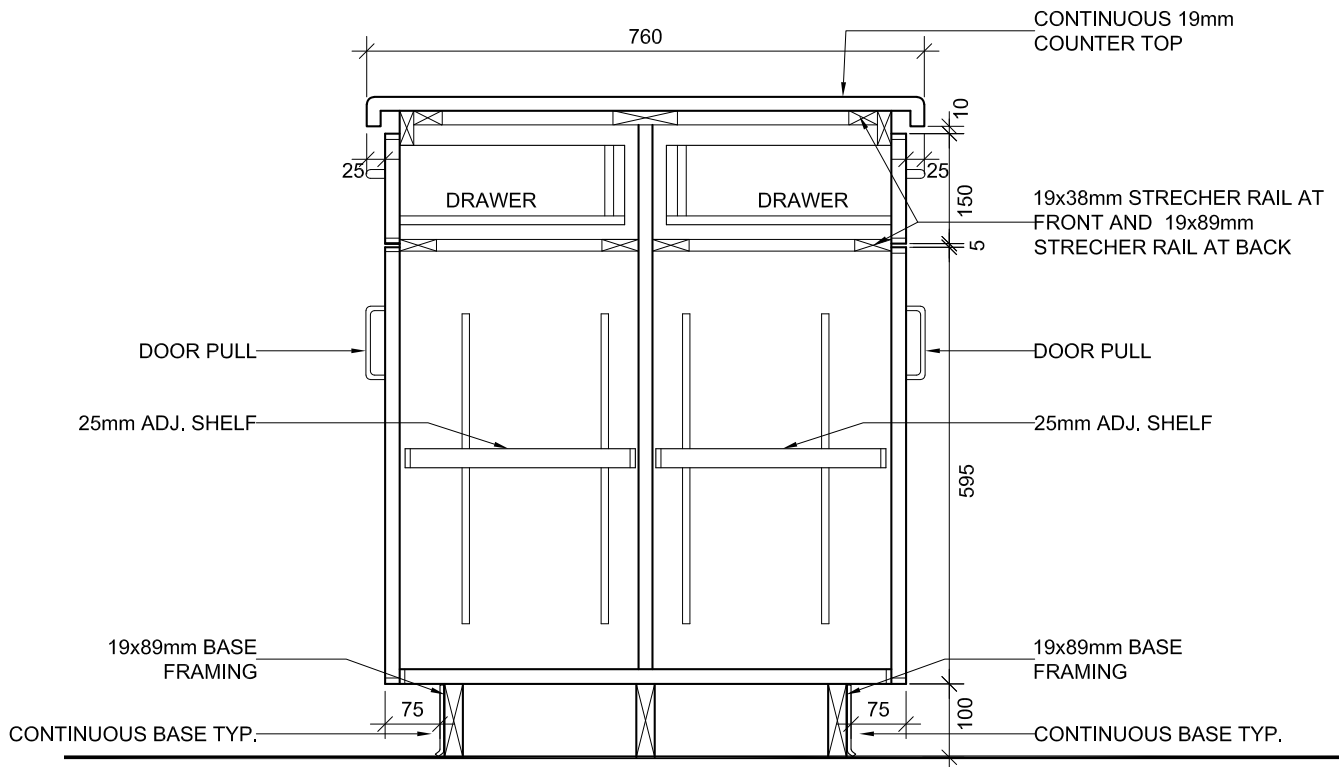


ISSUE/REV.
00

AD
610



NOTE:
REFER TO SPECIFICATIONS FOR MILLWORK CONSTRUCTION AND HARDWARE.



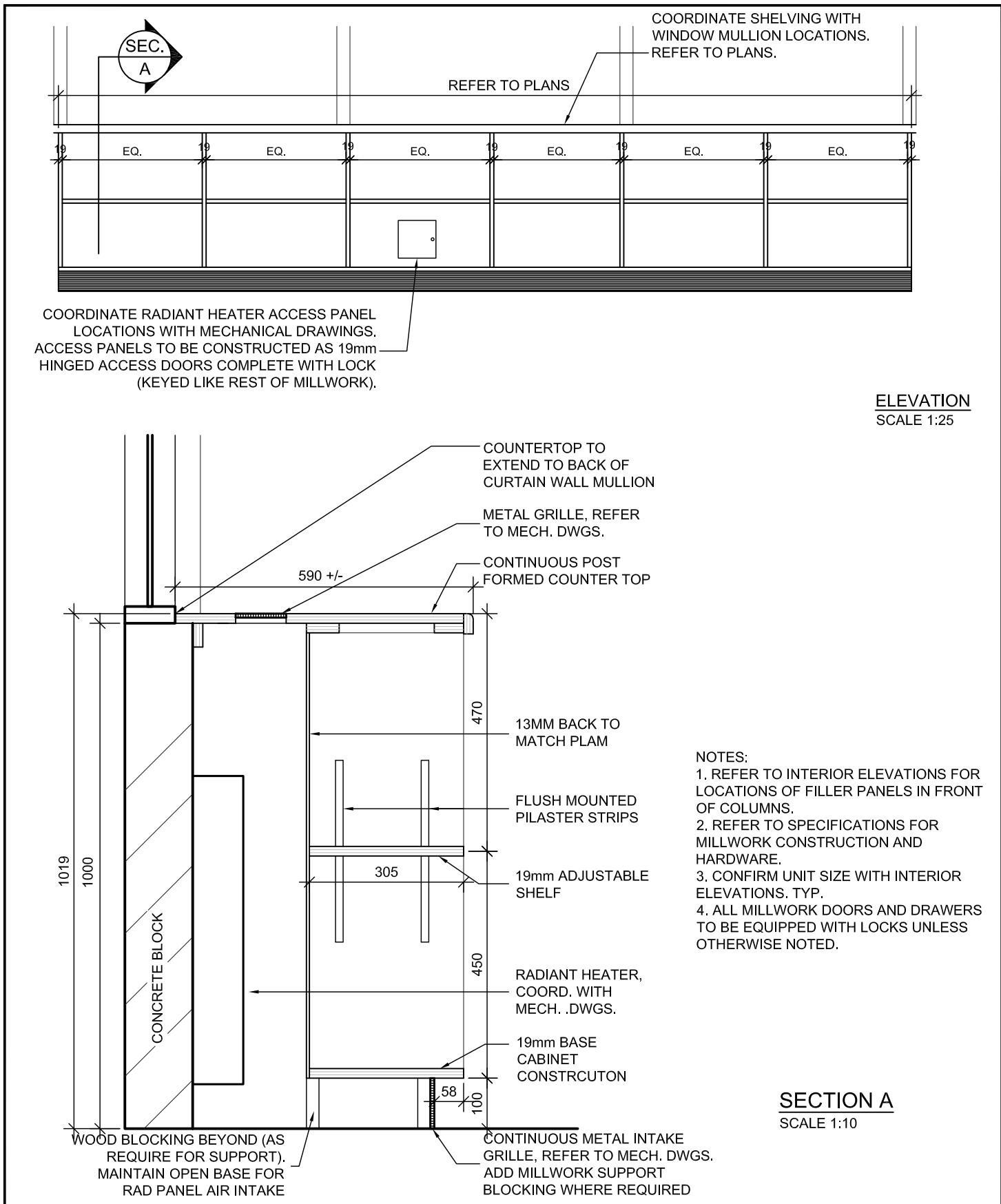
TYPE B14 - STAFF ROOM ISLAND

PROJ: 24114
SCALE: 1:10
DRAWN: TC
DATE: 25 11 03

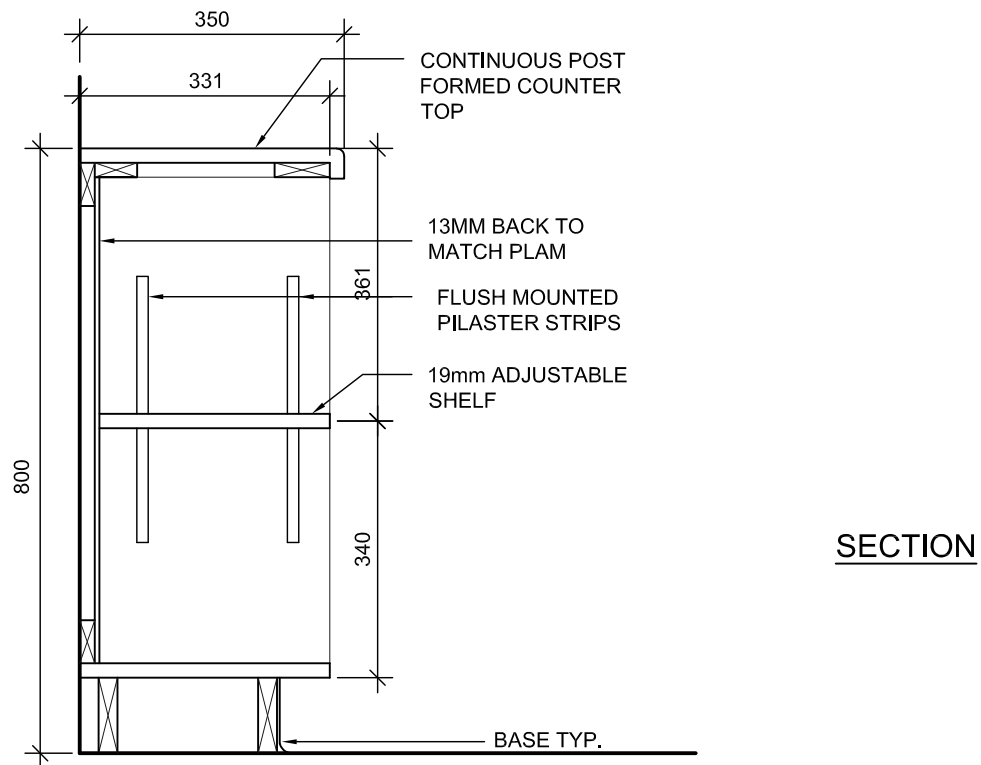
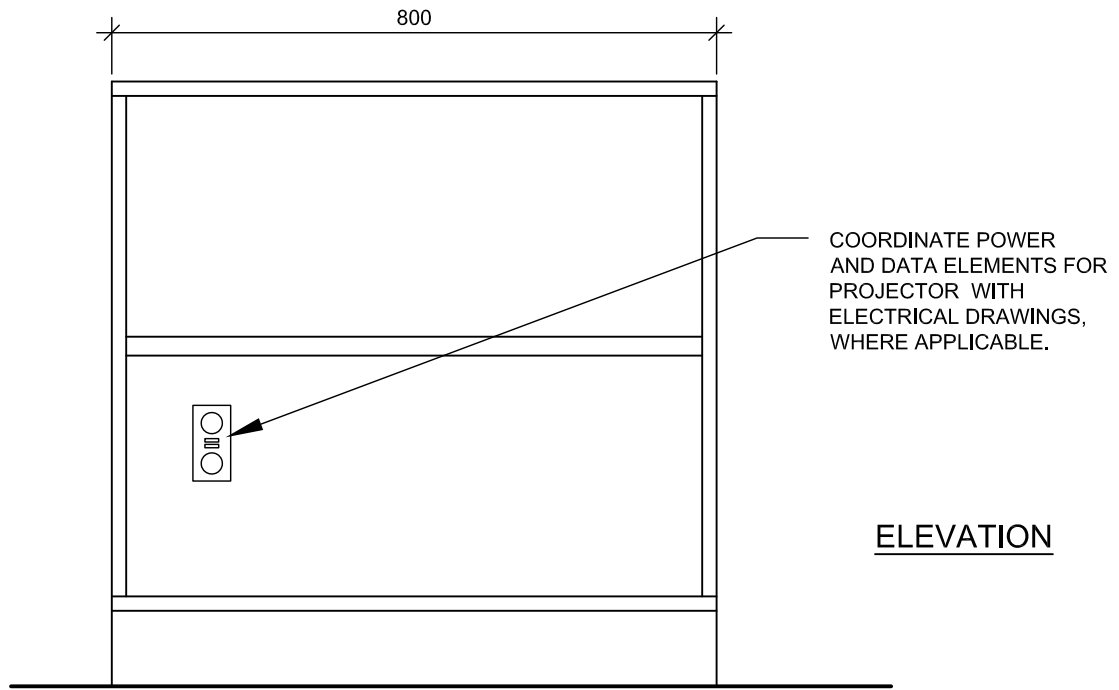


ISSUE/REV.
00

AD
614



TYPE B17 - LEARNING COMMONS LOW CABINET	PROJ: 24114	HOSSACK ARCHITECTURE	ISSUE/REV. 00
	SCALE: NOTED		AD 617
	DRAWN: GY		
	DATE: 25 07 07		



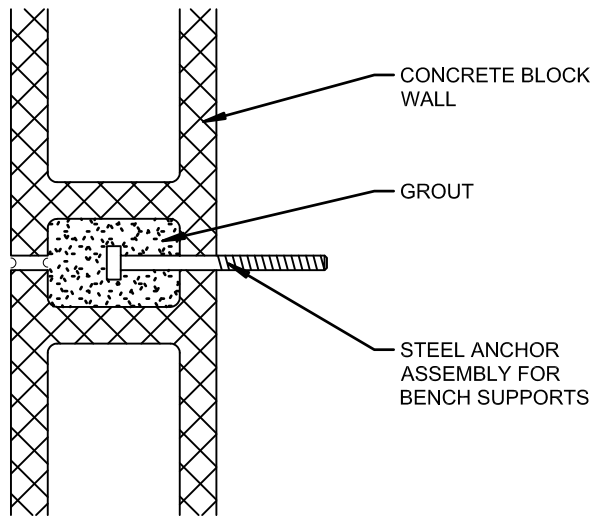
TYPE B19 - LIBRARY LOW OPEN SHELVING

PROJ: 24114
SCALE: 1:10
DRAWN: TC
DATE: 25 07 08



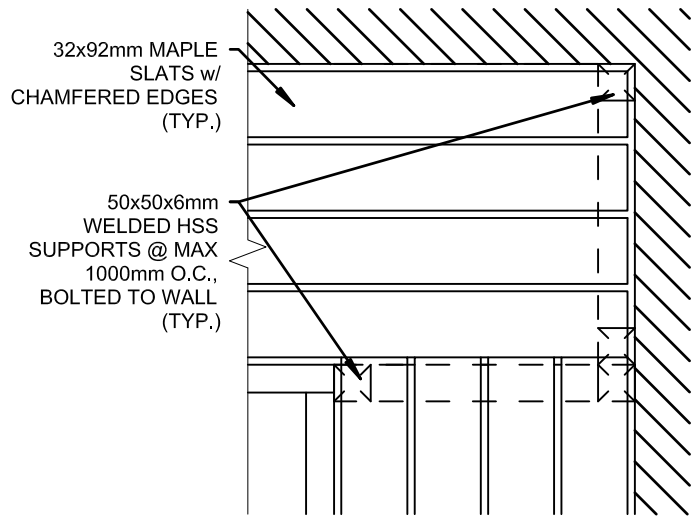
ISSUE/REV.
00

AD
619



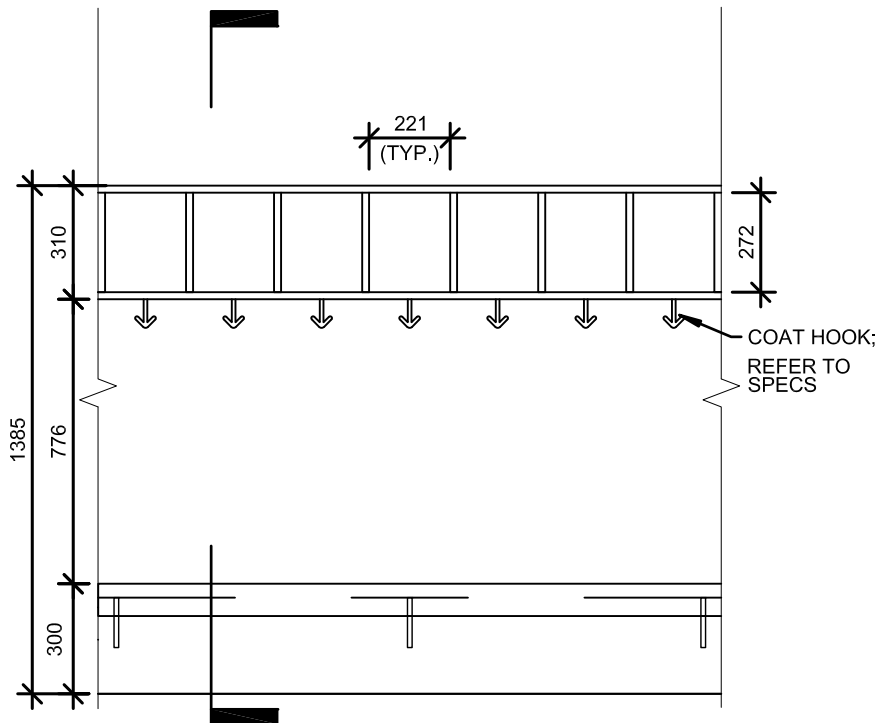
MASONRY ANCHORAGE DETAIL

SCALE: 1:5



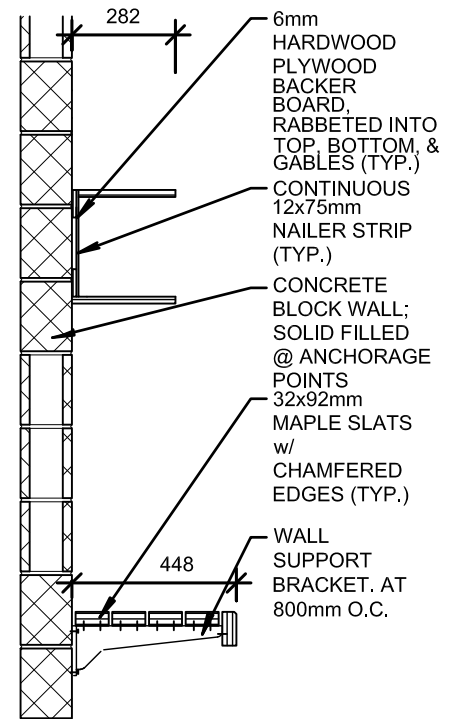
TYPICAL BENCH CORNER DETAIL

SCALE: 1:10



PARTIAL ELEVATION

SCALE: 1:20



SECTION

SCALE: 1:20

GENERAL NOTES:

- EXPOSED EDGES TO BE BANDED WITH 3mm HARDWOOD EDGING.
- REFER TO SPECS FOR VARIOUS CABINET CONSTRUCTION MATERIALS
- REFER TO ARCHITECTURAL FLOOR PLANS FOR PLAN DIMENSIONS.

TYPE K2 - KINDERGARTEN CUBBIES

PROJ: 24114

SCALE: 1:10

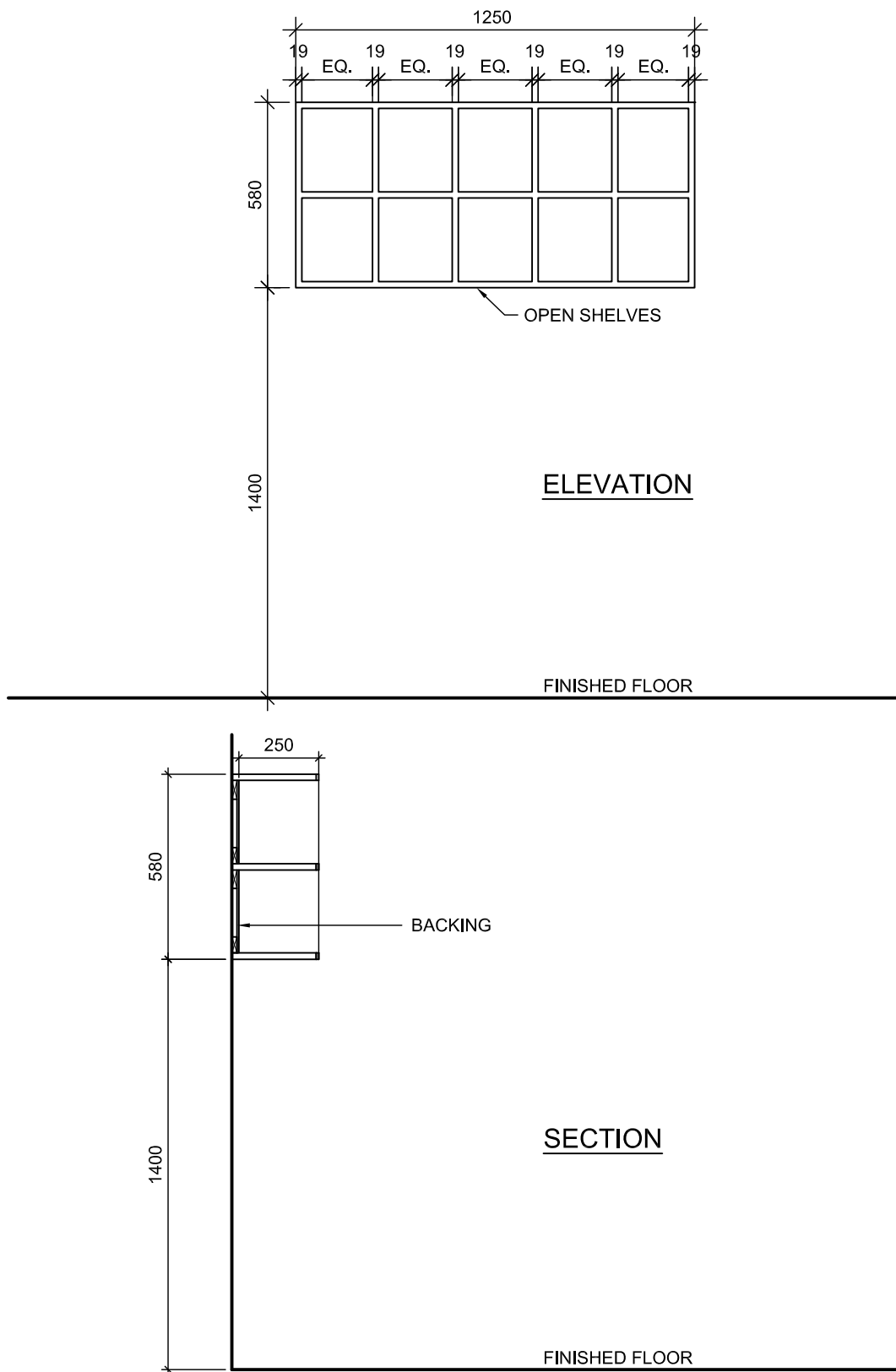
DRAWN: GY

DATE: 25 11 13



ISSUE/REV.
00

AD
622



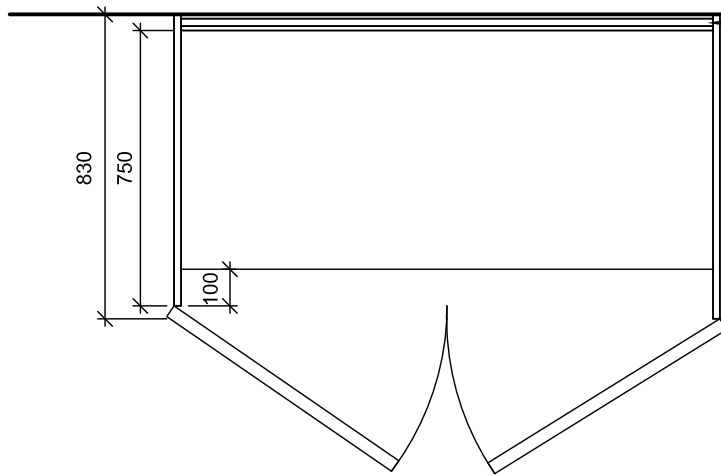
TYPE K6 - CHILD CARE WASHROOM DIAPER STORAGE

PROJ: 24114
SCALE: 1:20
DRAWN: TC
DATE: 25 07 08



ISSUE/REV.
00

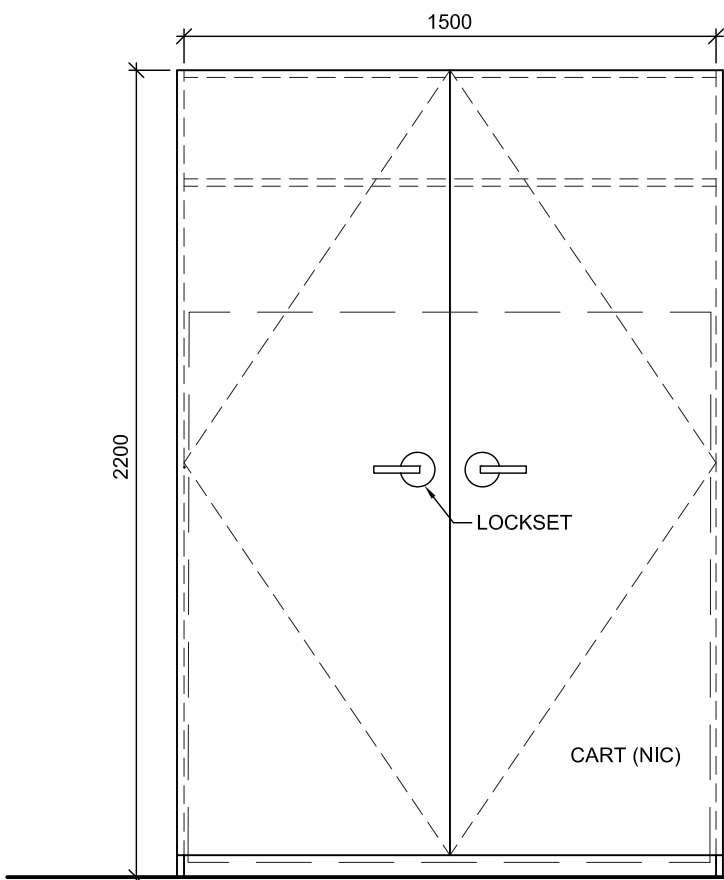
AD
626



1x2 BLOCKING HORIZONTAL
@ 400 o.c. FOR LENGTH OF
CABINET

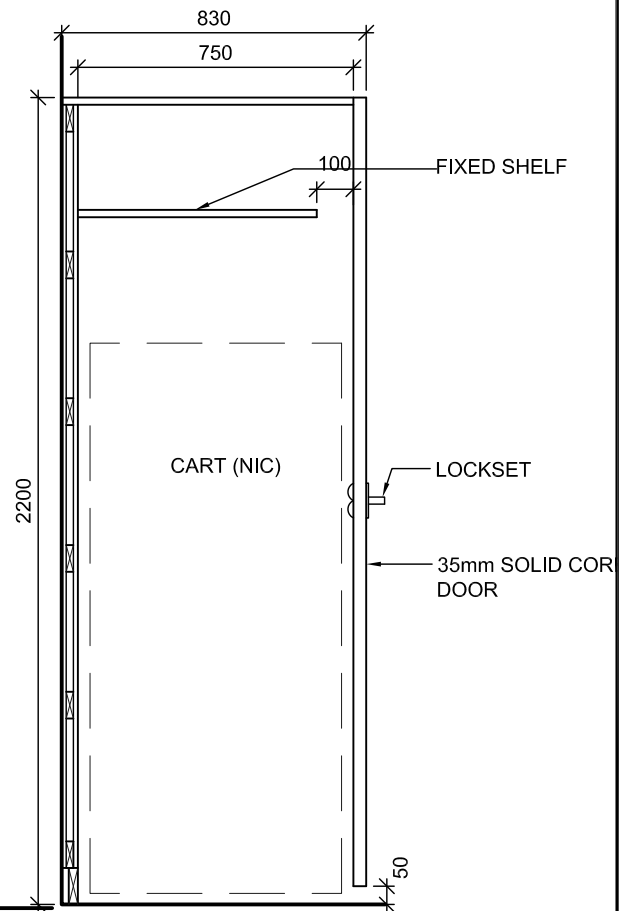
PLAN

SCALE 1:20



ELEVATION

SCALE 1:20



SECTION

SCALE 1:20

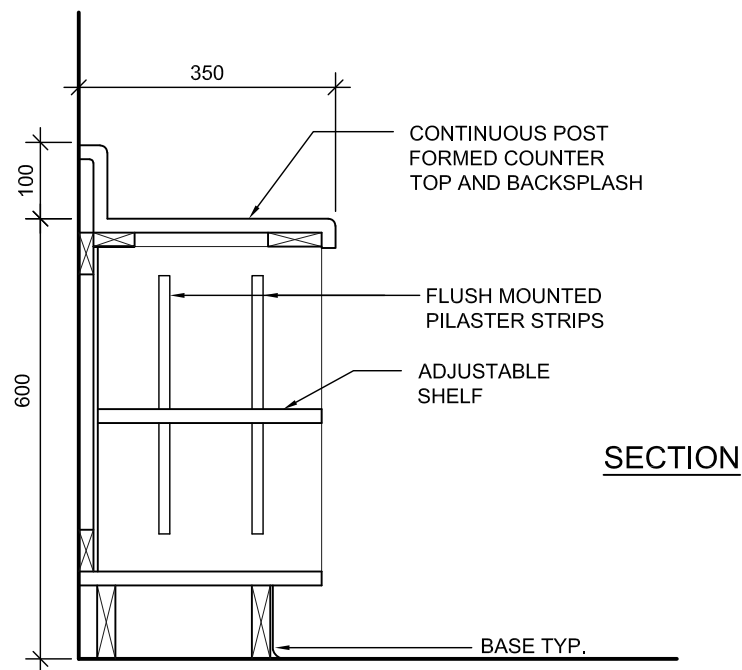
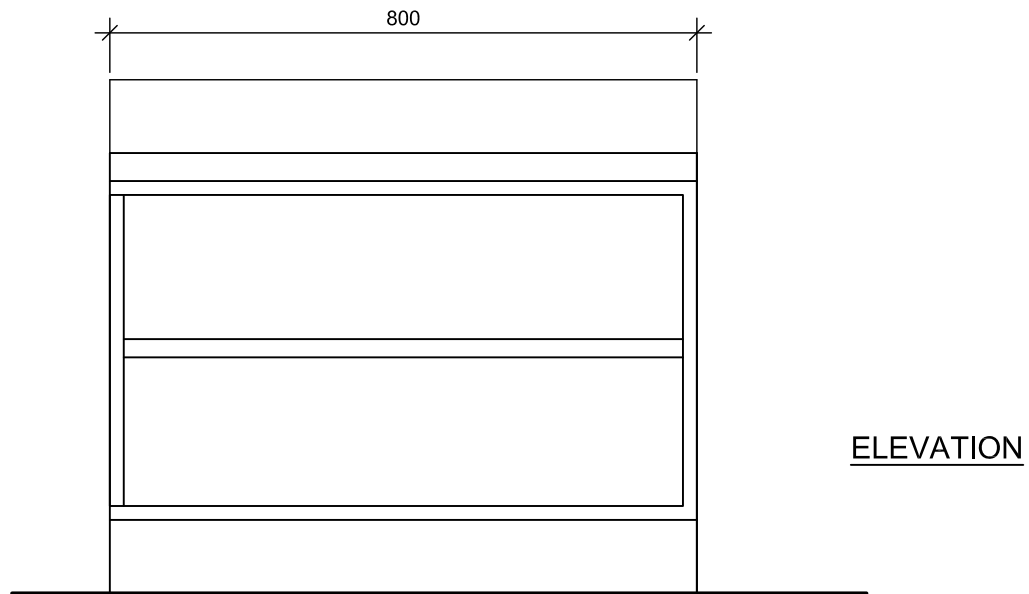
CABINET TYPE K8 - CHILD CARE CART STORAGE

PROJ: 24114
SCALE: NOTED
DRAWN: GY
DATE: 25 07 08



ISSUE/REV.
00

AD
628



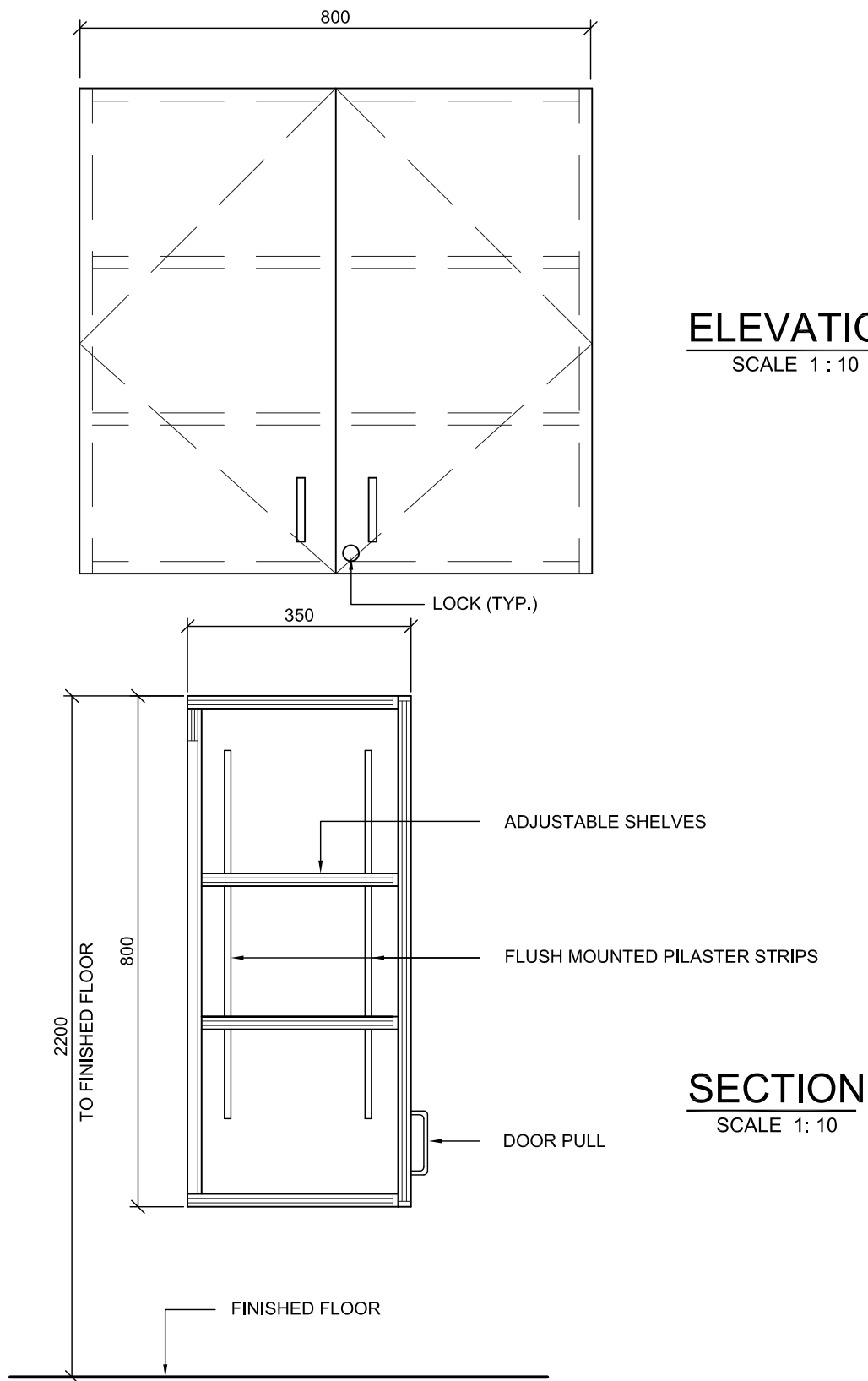
TYPE K10 - KINDERGARTEN LOW OPEN SHELVING

PROJ:	24114
SCALE:	NTS
DRAWN:	TC
DATE:	25 06 15



ISSUE/REV. 00

AD 629



ELEVATION

SCALE 1 : 10

SECTION

SCALE 1: 10

TYPE U1 - UPPER CABINET

PROJ: 24114

SCALE: 1:10

DRAWN: GY

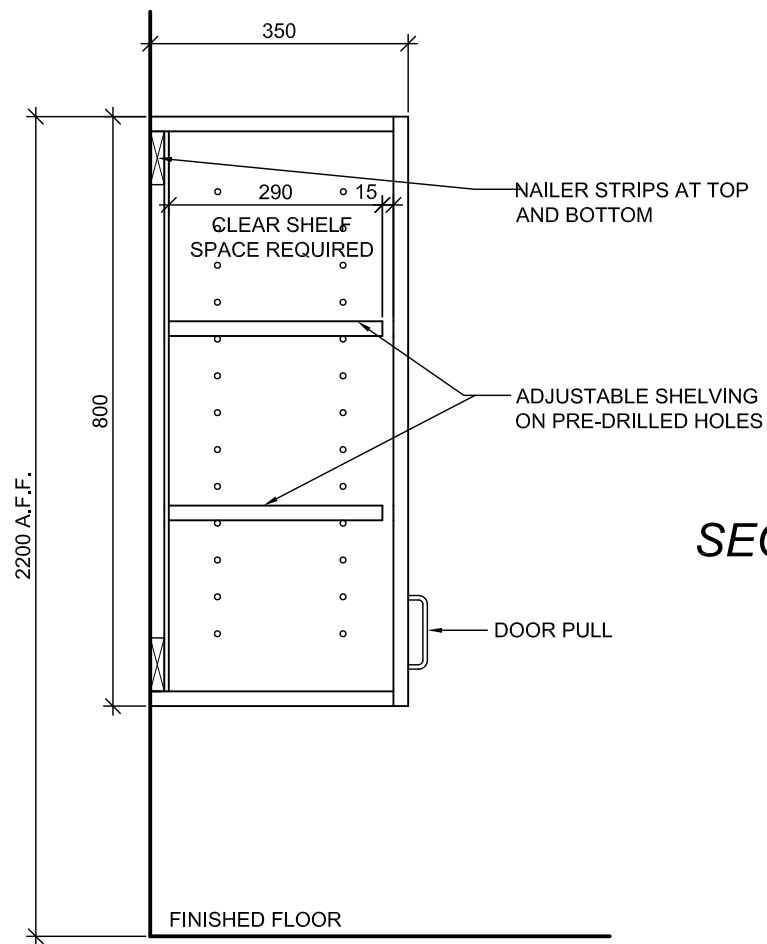
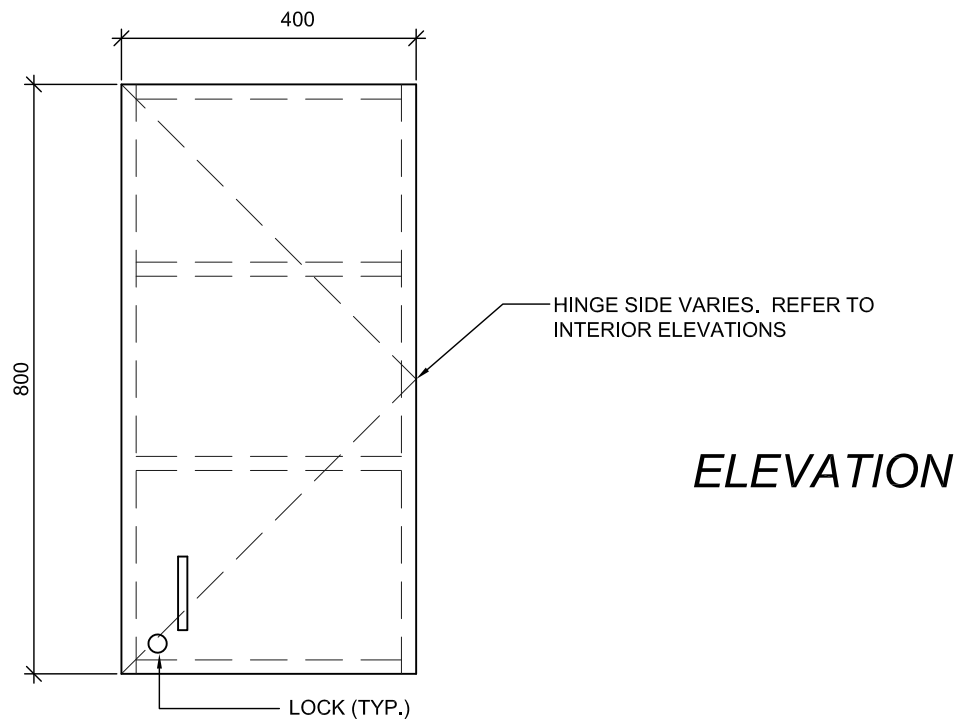
DATE: 25 07 09

HOSSACK
ARCHITECTURE



ISSUE/REV.
00

AD
631



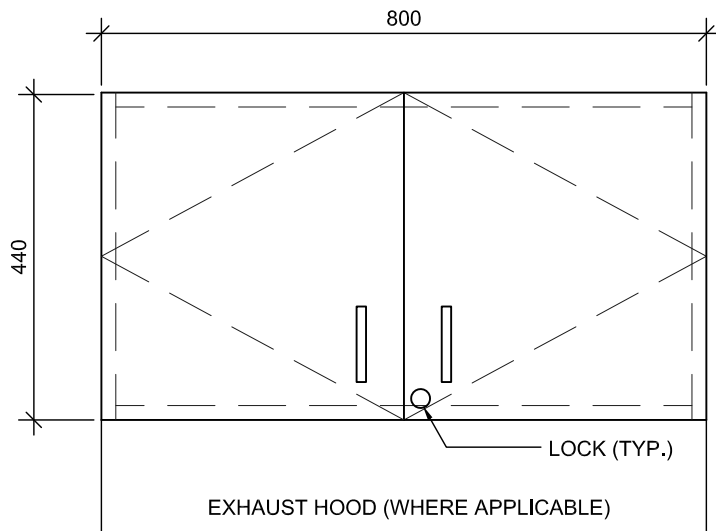
TYPE U2 - SINGLE UPPER CABINET

PROJ: 24114
SCALE: 1:10
DRAWN: CC
DATE: 25 07 08

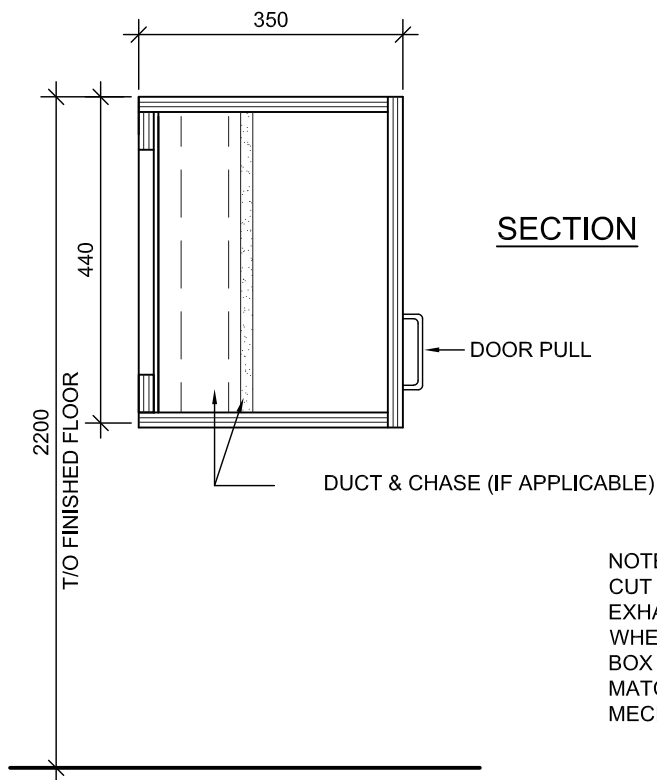


ISSUE/REV.

AD
632



ELEVATION



SECTION

NOTE:
CUT OUT CABINET FOR
EXHAUST DUCT FROM HOOD
WHERE APPLICABLE.
BOX DUCT WITH MATERIAL TO
MATCH CABINET. REFER TO
MECHANICAL DRAWINGS

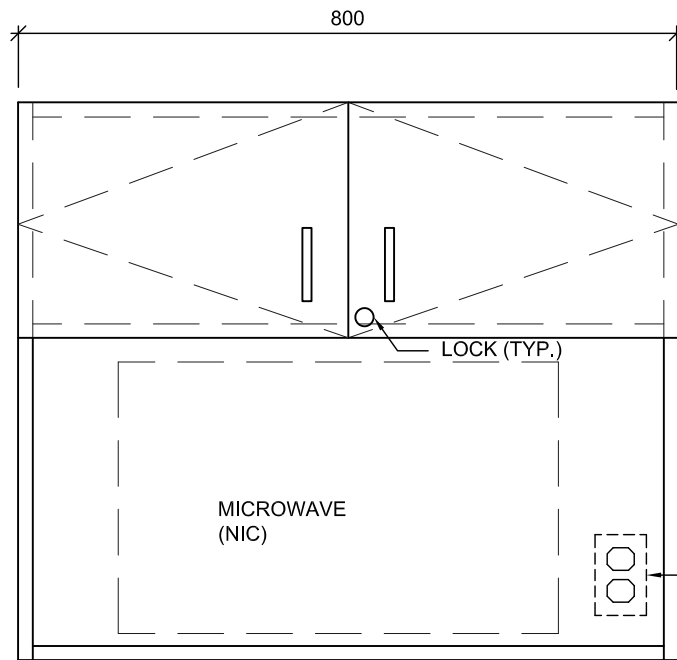
TYPE U3 - UPPER CABINET (RAGE HOOD)

PROJ: 24114
SCALE: 1:10
DRAWN: TC
DATE: 25 07 09



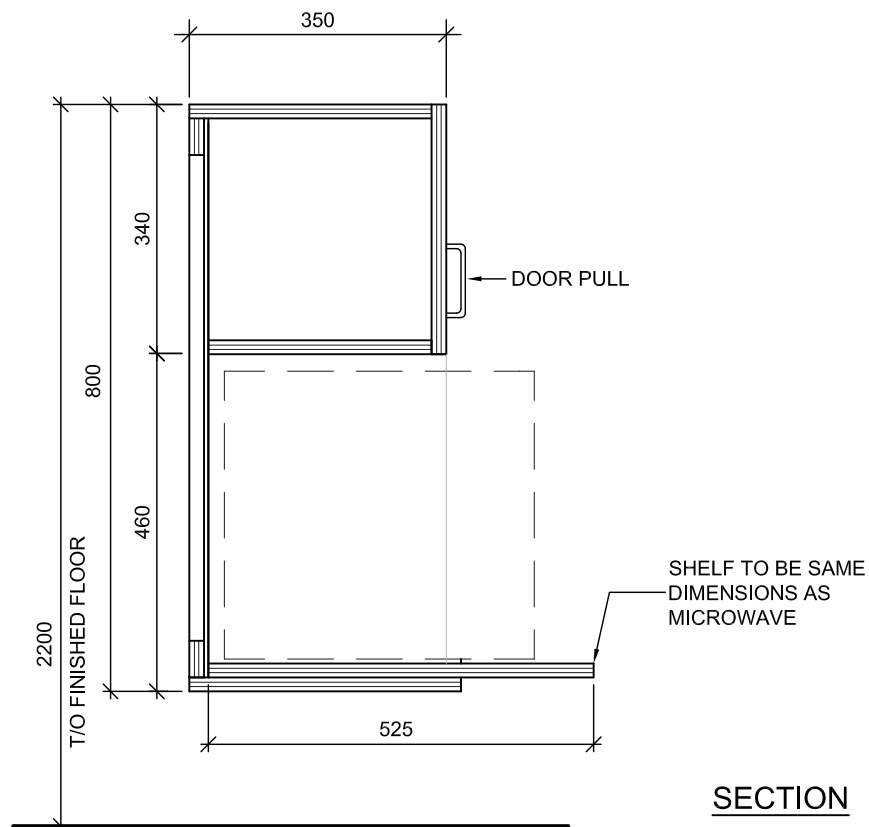
ISSUE/REV.
00

AD
633



ELEVATION

ELECTRICAL
RECEPTACLE FOR
MICROWAVE
(TYP.)



SECTION

TYPE U4 - UPPER CABINET (MICROWAVE)

PROJ: 24114

SCALE: 1:10

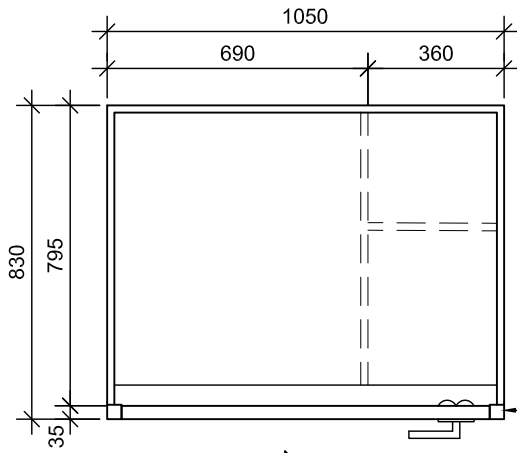
DRAWN: GY

DATE: 25 07 09



ISSUE/REV.
00

AD
634

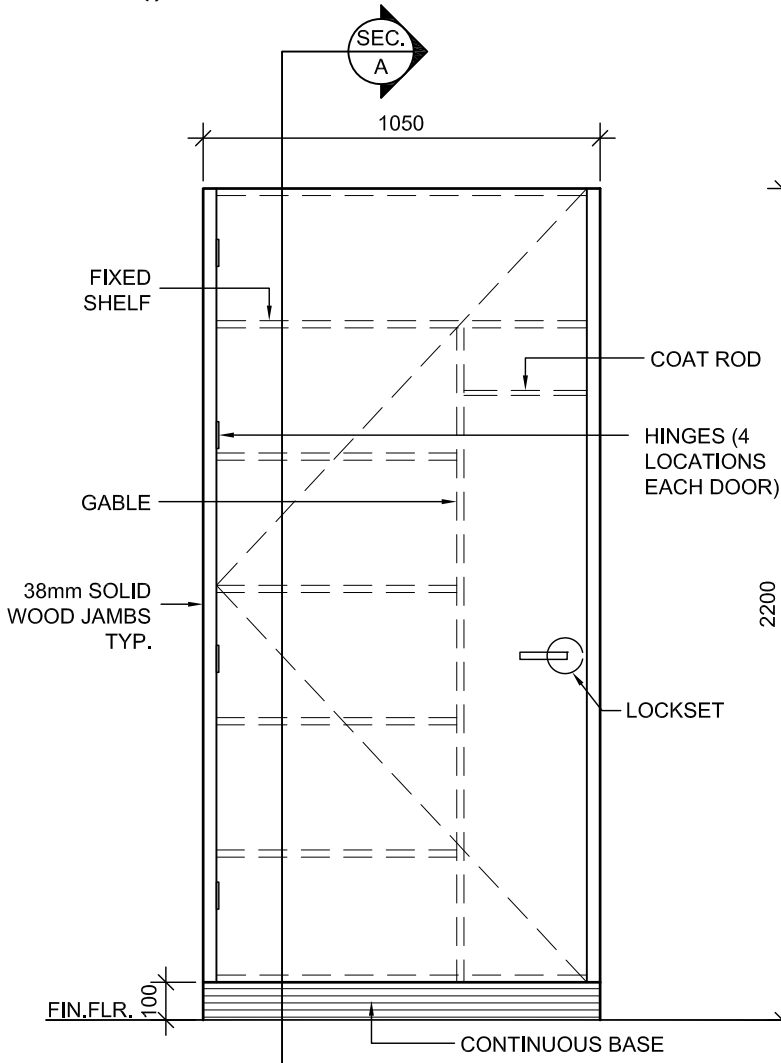


PLAN VIEW

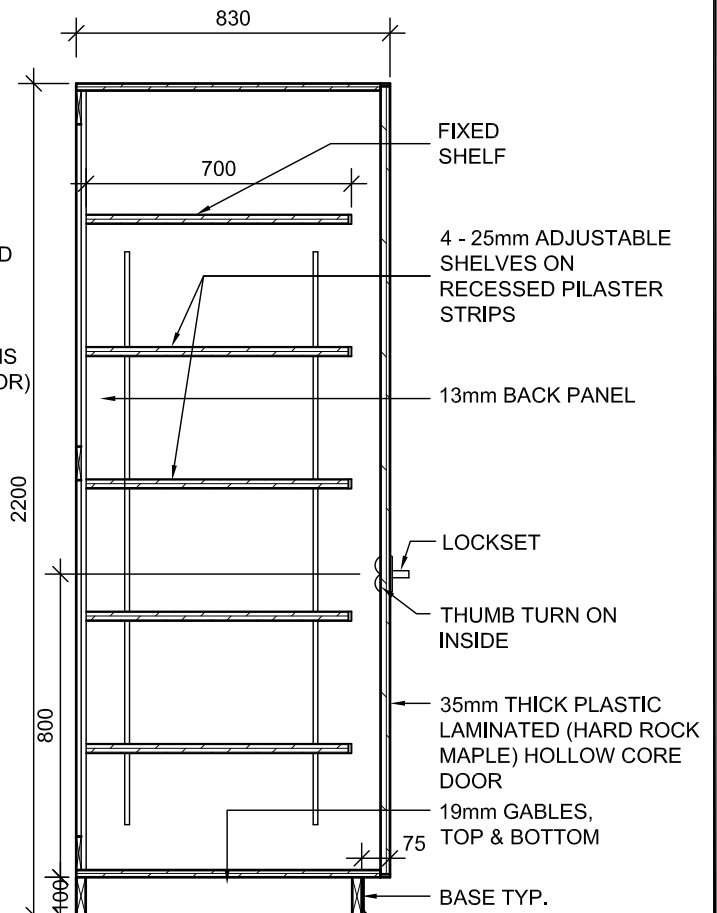
SCALE 1 : 20

NOTE:
REFER TO SPECIFICATIONS FOR
MILLWORK CONSTRUCTION AND
HARDWARE.
CONFIRM UNIT SIZE WITH INTERIOR
ELEVATIONS. TYP.
ALL MILLWORK DOORS AND DRAWERS
TO BE EQUIPPED WITH LOCKS UNLESS
OTHERWISE NOTED.

SOLID HARDWOOD
GABLE ENDS



FRONT ELEVATION



SECTION

NOTE: DOOR HARDWARE TO BE PROVIDED BY DOOR FINISH HARDWARE

TYPE C1 - TEACHER'S CLOSET

PROJ: 24114

SCALE: 1:10

DRAWN:GY

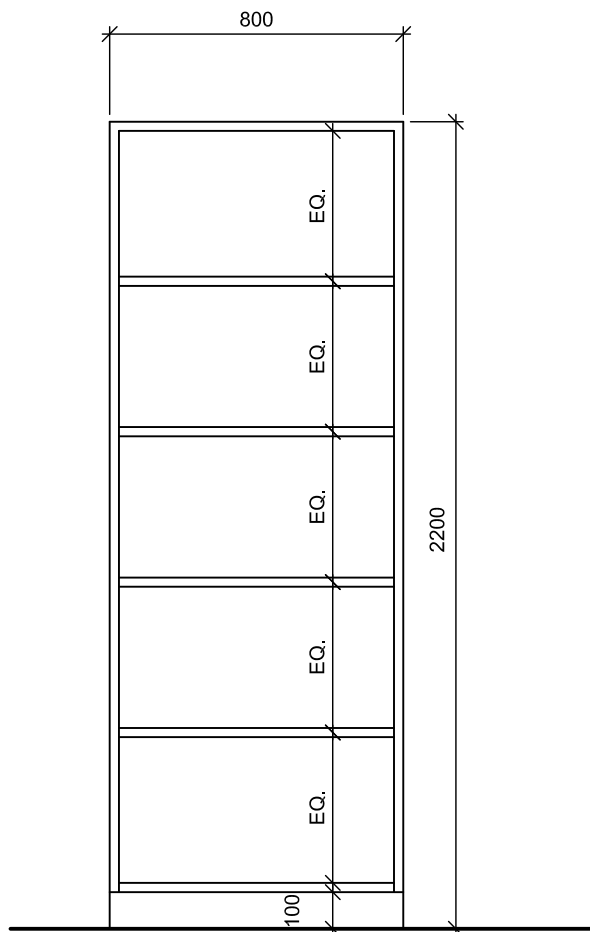
DATE: 25 07 09

HOSSACK
ARCHITECTURE



ISSUE/REV.

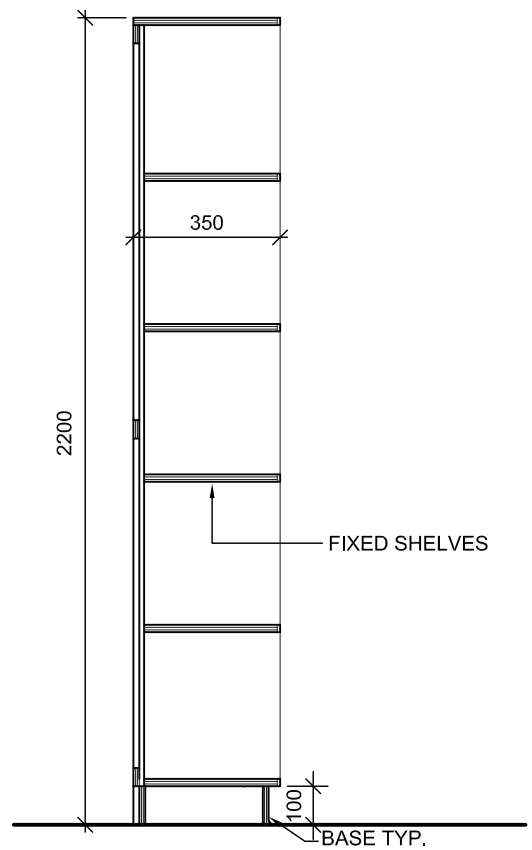
AD
640



ELEVATION

SCALE 1 : 20

NOTE:
ALL MILLWORK TO BE OF 19mm MELAMINE
FACED PARTICLE BOARD UNLESS OTHERWISE
NOTED.



SECTION

SCALE 1: 20

TYPE C2 - TALL OPEN SHELVING

PROJ: 24114

SCALE: 1:20

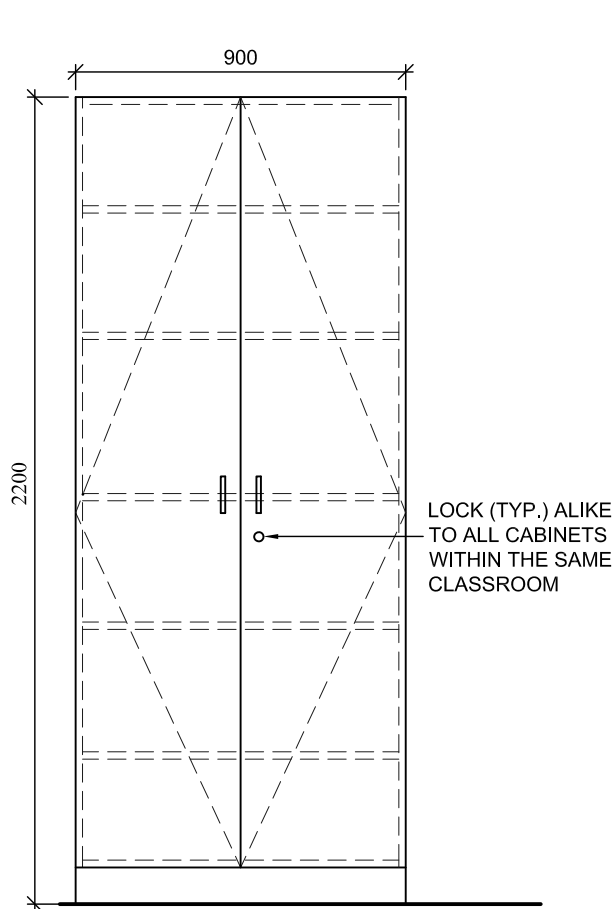
DRAWN: GY

DATE: 25 07 09

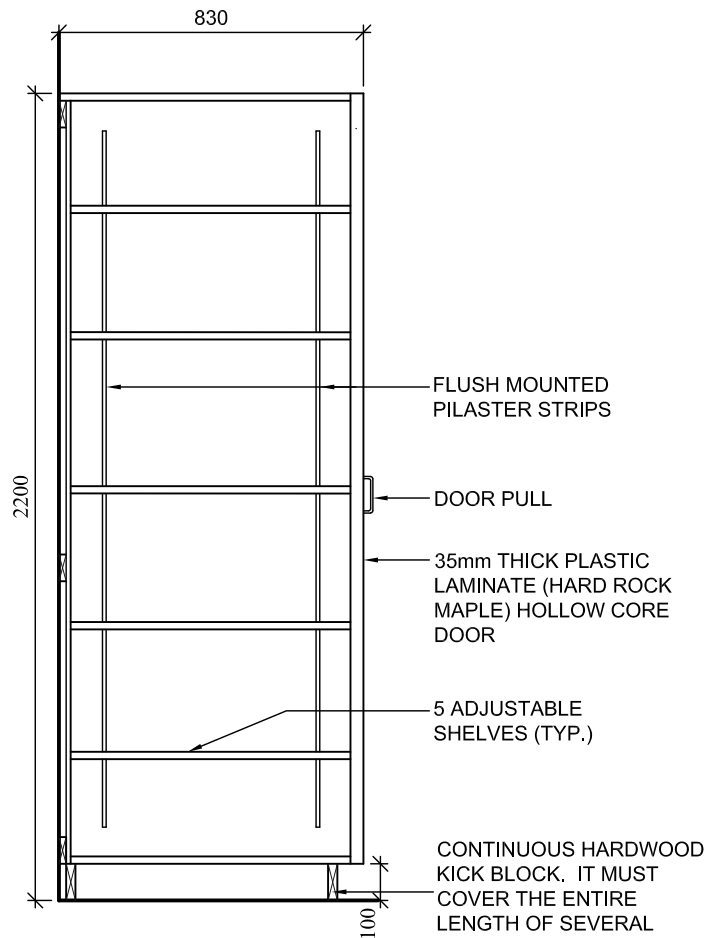


ISSUE/REV.
00

AD
641



ELEVATION
SCALE 1:20



SECTION
SCALE 1:20

NOTE:
REFER TO SPECIFICATIONS 06 40 00
PART 2 FOR CABINET THICKNESS,
MATERIAL AND FINISH

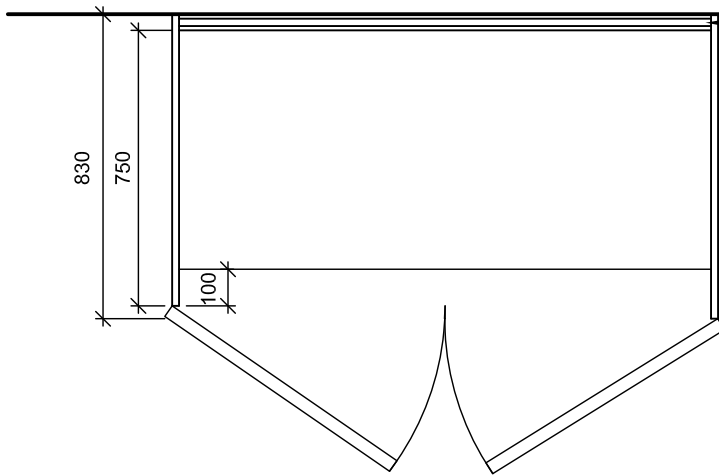
TYPE C5 - TALL CLOSET

PROJ:	24114
SCALE:	NOTED
DRAWN:	GB
DATE:	25 07 09



ISSUE/REV.
00

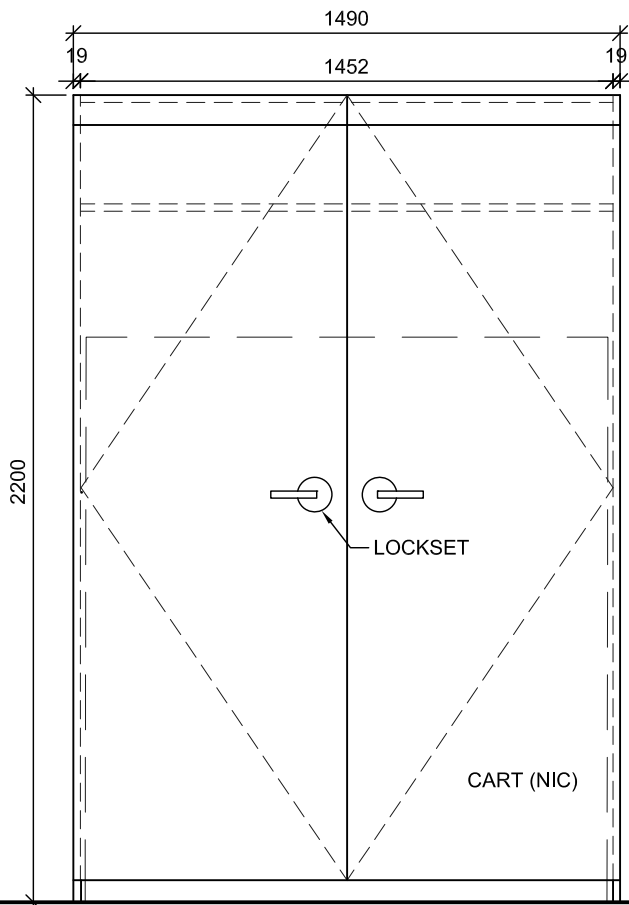
AD
645



1x2 BLOCKING HORIZONTAL
@ 400 o.c. FOR LENGTH OF
CABINET

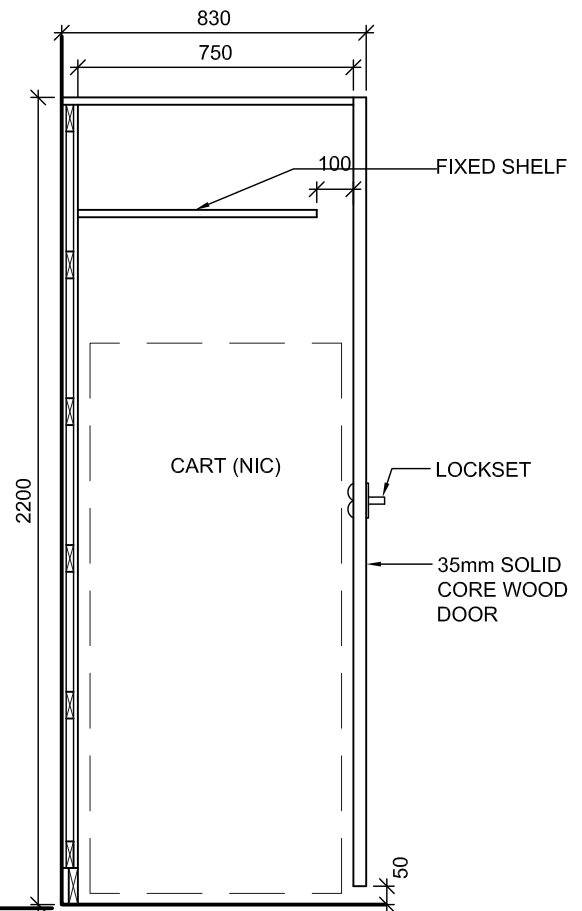
PLAN

SCALE 1:20



ELEVATION

SCALE 1:20



SECTION

SCALE 1:20

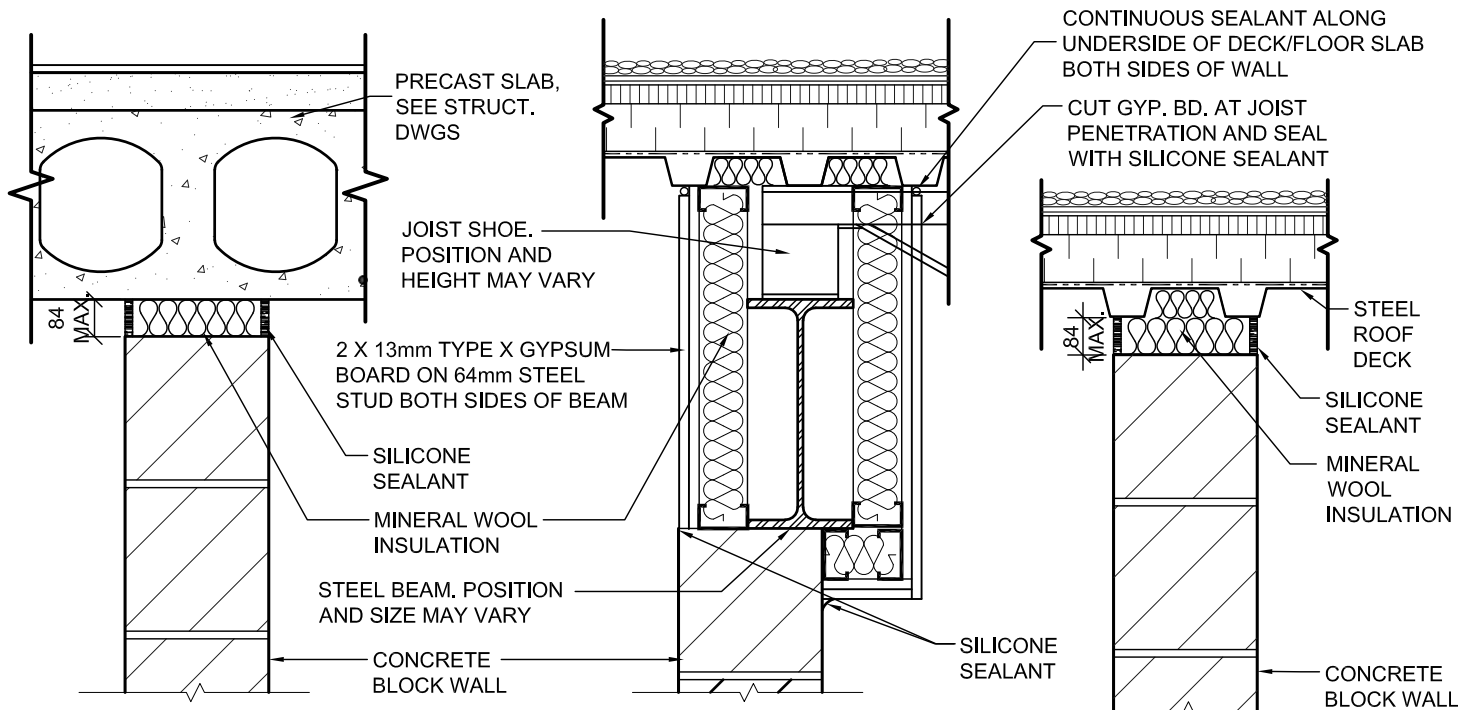
TYPE K8 - CHILD CARE CART STORAGE

PROJ:	24114
SCALE:	NOTED
DRAWN:	GY
DATE:	25 07 09



ISSUE/REV.
00

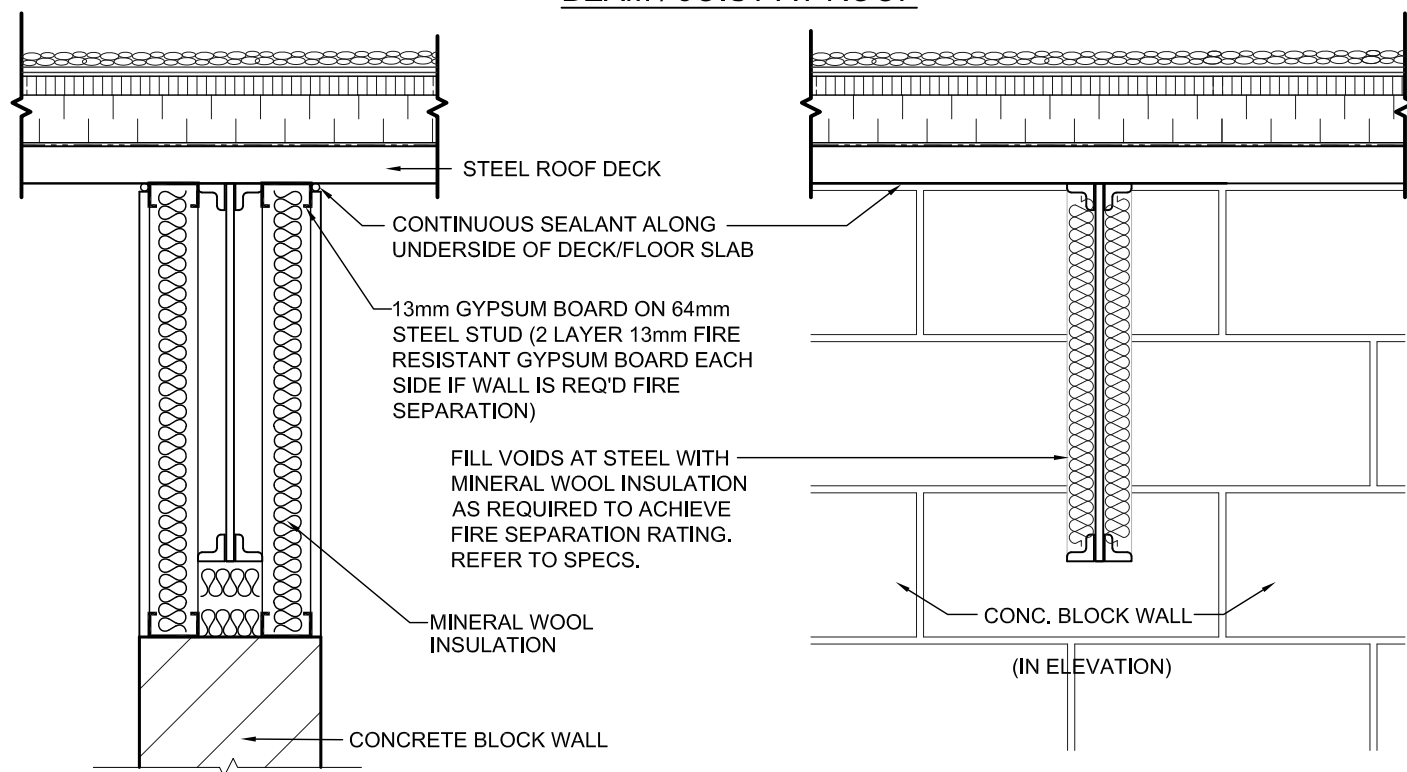
AD
646



CONDITION AT FLOOR

CONDITION AT OFFSET BEAM / JOIST AT ROOF

CONDITION AT ROOF



CONDITION AT PARALLEL JOIST OR BEAM

NOTE: ADJUST STEEL STUD SIZES TO SUIT BLOCK WALL CONDITION.
MIN. 64mm STUD AT MAX. 400 O.C.
REF. SPECS FOR FIRE-RATED SEALANTS

CONDITION AT PERPENDICULAR JOIST OR BEAM

TOP OF WALL FIRE SEPARATION ASSEMBLY

PROJ: 24114

SCALE: 1:5

DRAWN: JA

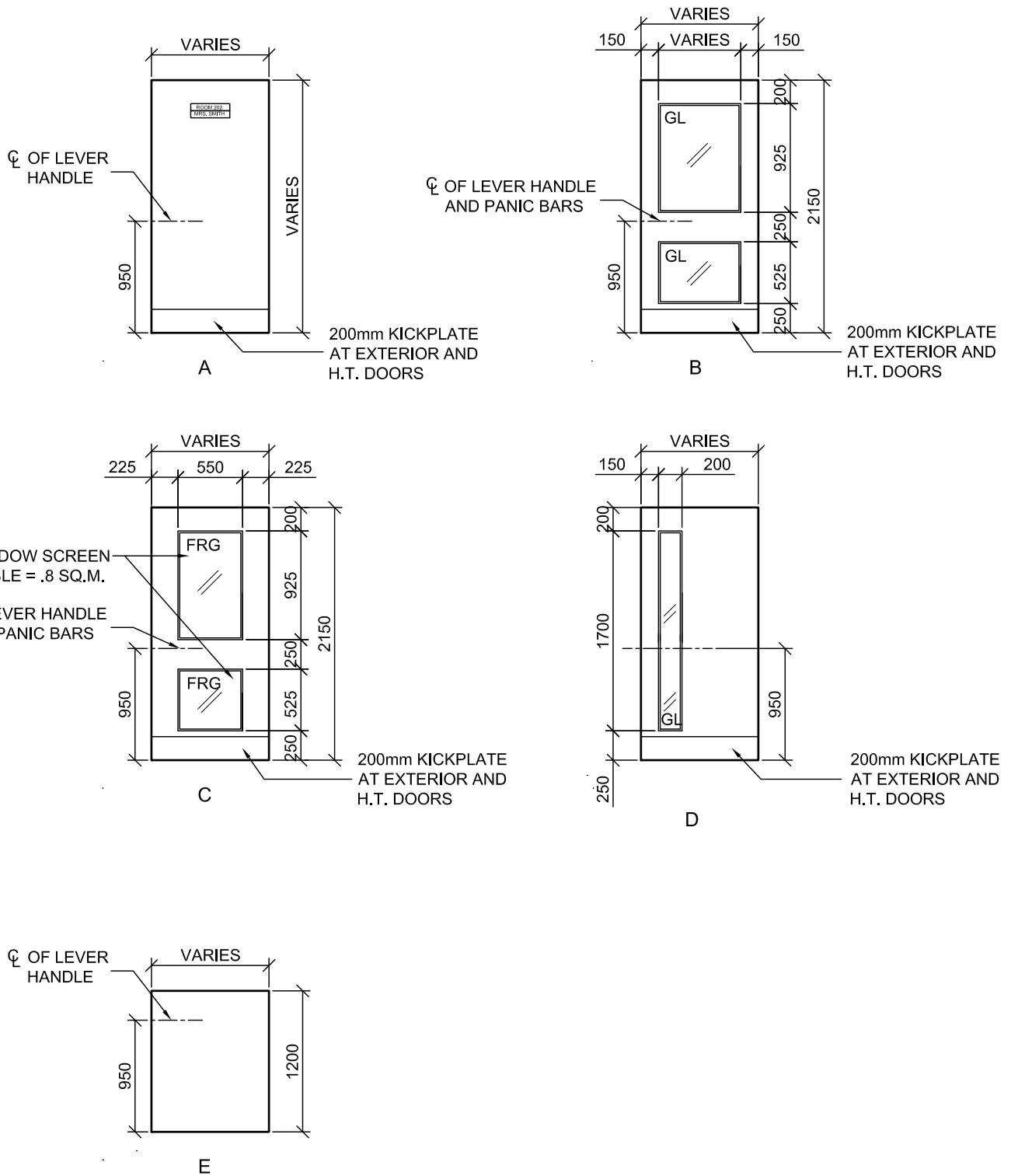
DATE: 25 07 09

HOSSACK
ARCHITECTURE




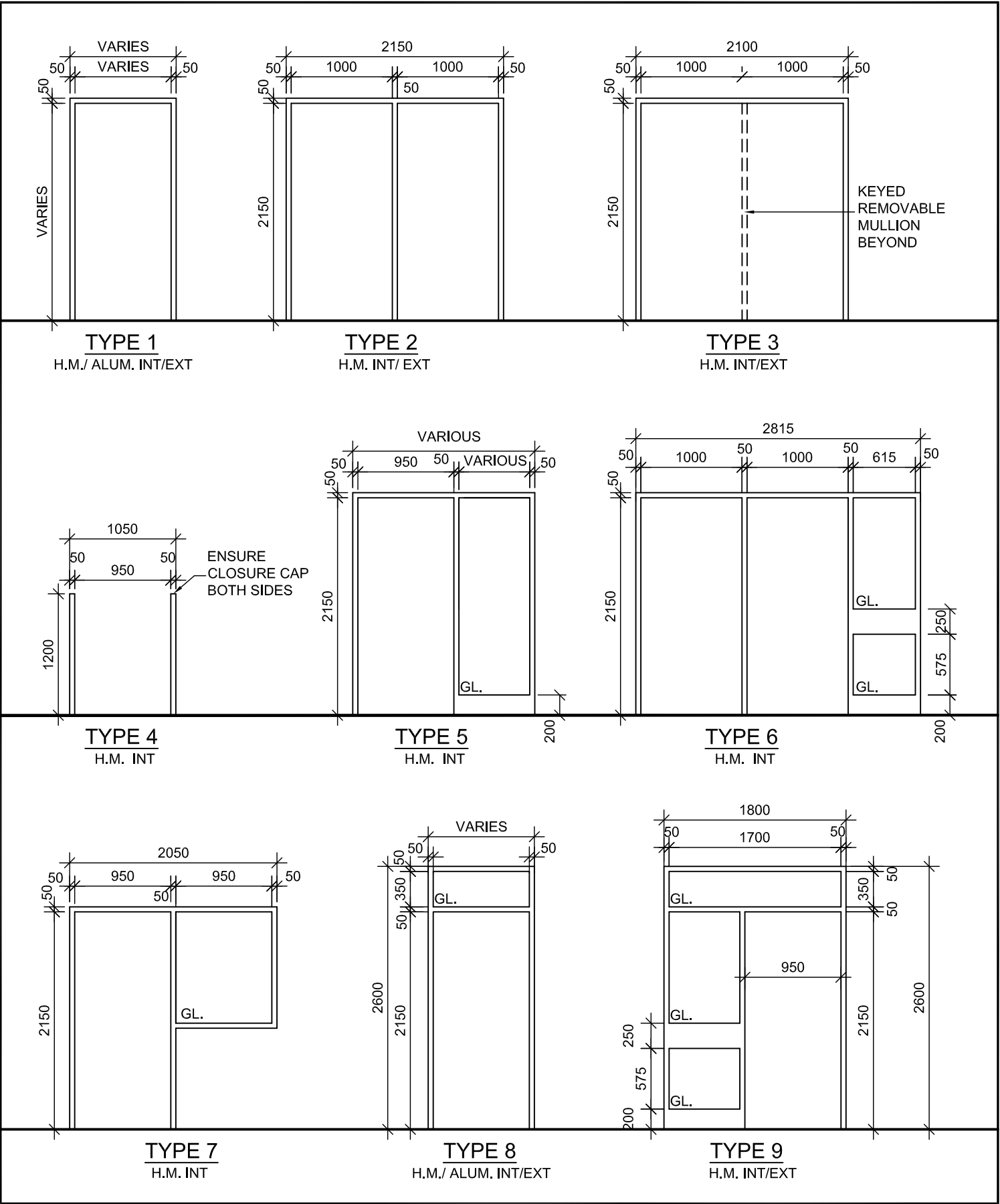
ISSUE/REV.
00

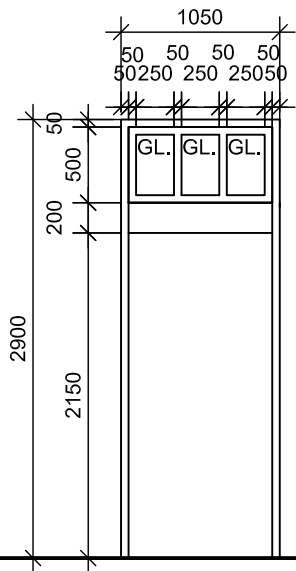
AD
725



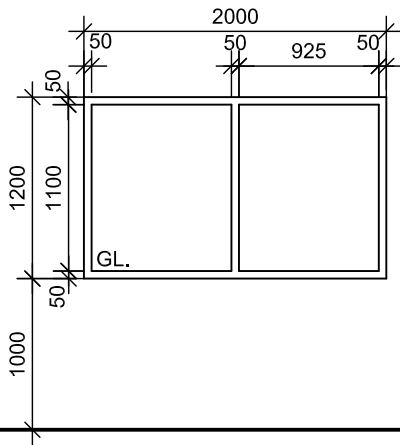
- NOTES:
1. REFER TO SPECIFICATIONS AND DOOR SCHEDULE FOR GLAZING TYPE
 2. ALL DOORS AND FRAMES ARE VIEWED FROM EXTERIOR OF ROOM OR AREA SERVED

DOOR TYPES	PROJ: 24114	HOSSACK ARCHITECTURE 	ISSUE/REV. 00
	SCALE: 1:50		AD 800
	DRAWN: JK		
	DATE: 25 07 10		

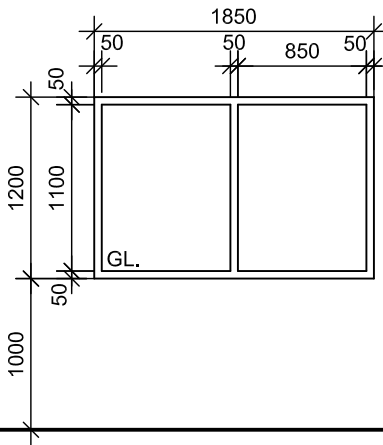




TYPE 10
H.M. INT



TYPE SC1
HM SCREEN



TYPE SC2
HM SCREEN

HOLLOW METAL FRAMES & SCREENS

PROJ: 24114

SCALE: 1:50

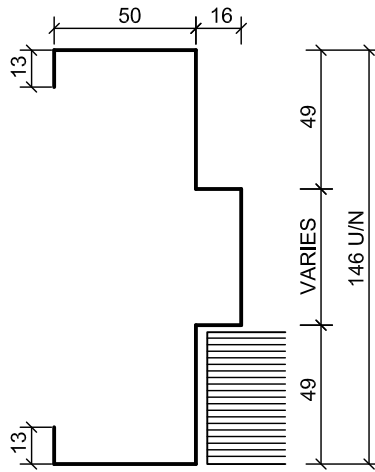
DRAWN: JK

DATE: 25 09 08

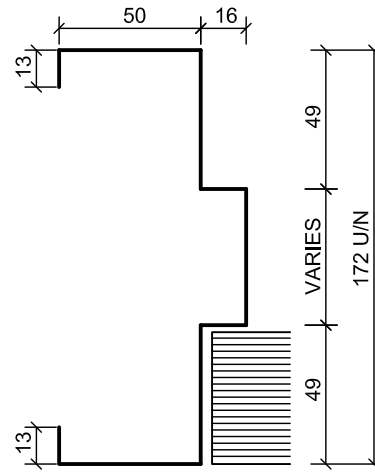


ISSUE/REV.
00

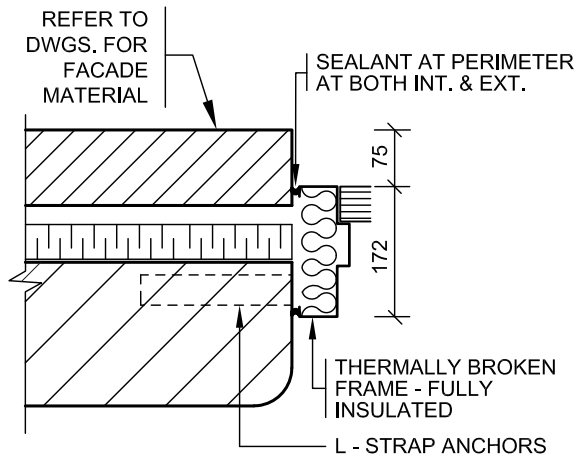
AD
801B



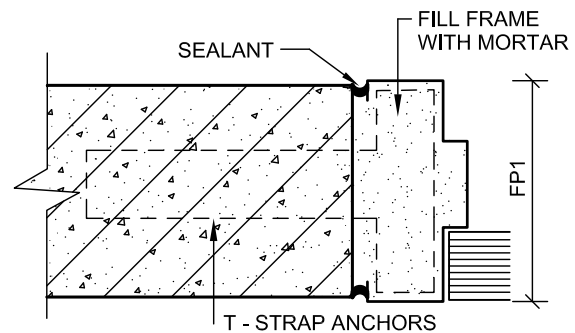
FRAME PROFILE FP1
METAL FRAME SECTION (MASONRY WALLS)
(NTS)



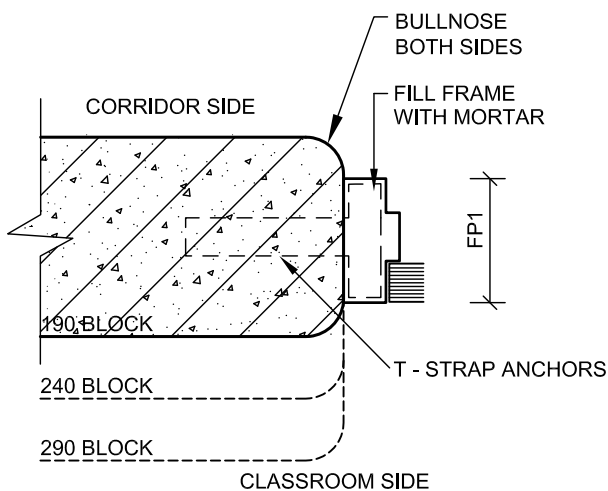
FRAME PROFILE FP2
METAL FRAME SECTION (MASONRY WALLS)
(NTS)



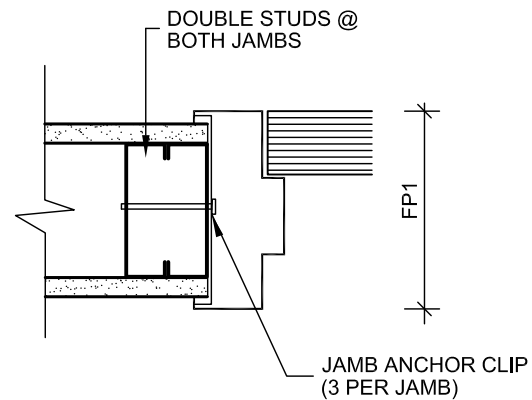
MF1 (NTS)



MF2 (NTS)



MF3 (NTS)



J1 (NTS)

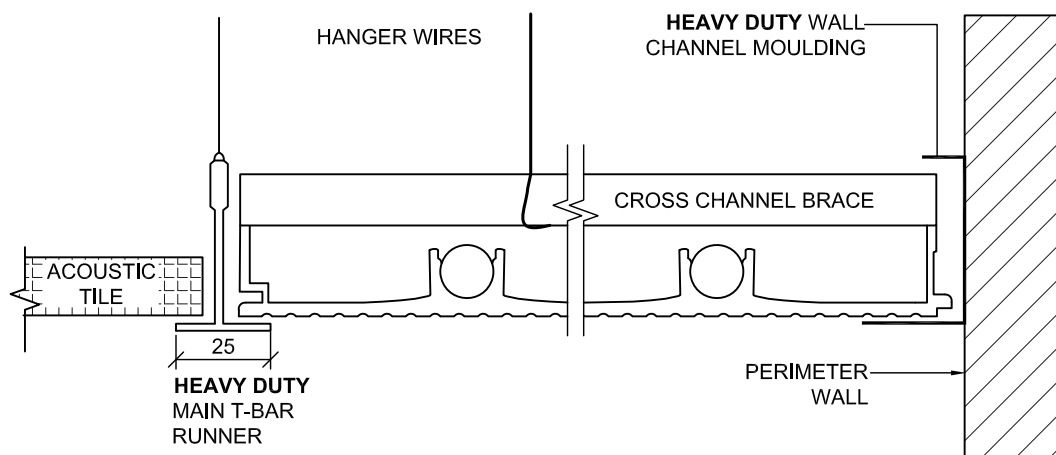
DOOR JAMB SECTIONS

PROJ: 24114
SCALE: NTS
DRAWN: AM
DATE: 25 07 24



ISSUE/REV.
00

AD
802



NOTE:
 T-BAR AND WALL CHANNEL
 MOULDING BY SECTION 09510

RADIANT PANEL DETAIL

PROJ:	24114
SCALE:	1:2
DRAWN:	KW
DATE:	25 07 10



ISSUE/REV.
00

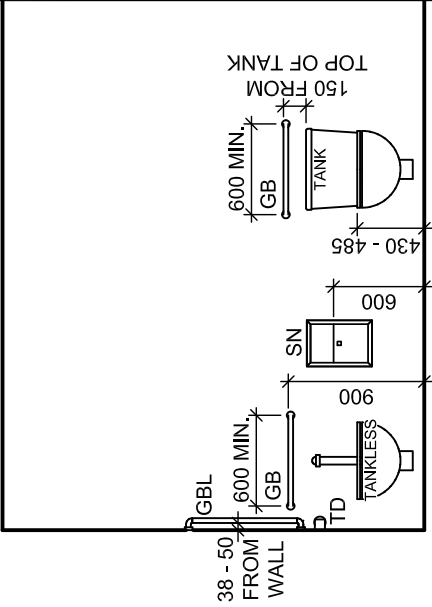
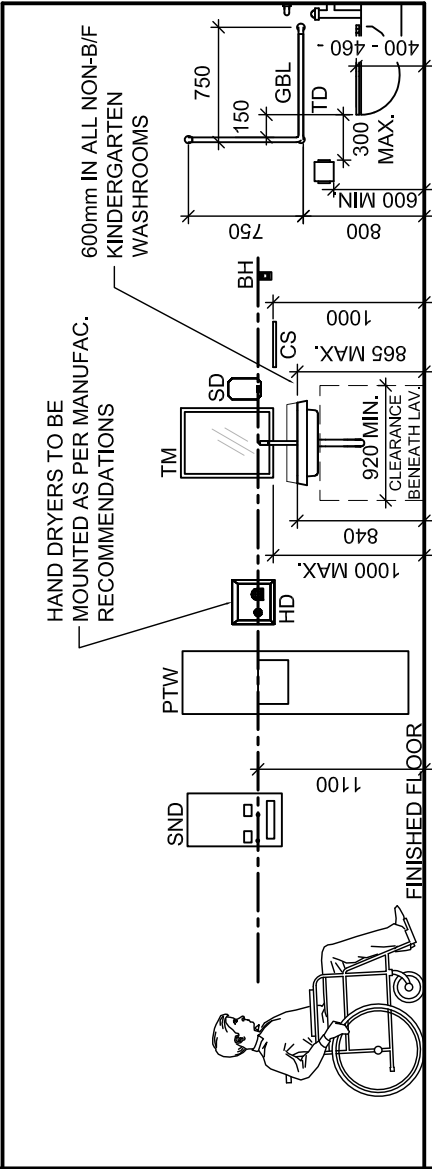
AD
900

WASHROOM FIXTURE
MOUNTING HEIGHTS

PROJ:	24114
SCALE:	1:50
DRAWN:	GY
DATE:	25 07 10



ISSUE/REV.	00
AD	1000



ABBREVIATIONS	
BH	BREAK-AWAY TYPE COAT HOOK
CS	CONVENIENCE SHELF
HD	HAND DRYER
GB	GRAB BAR (STRAIGHT)
GBL	GRAB BAR 'L' SHAPE
GBF	GRAB BAR FOLDING TYPE
PTD	PAPER TOWEL DISPENSER

PTW	PAPER TOWEL DISPENSER /
WASTE RECEPTACLE COMBO UNIT	
SN	SANITARY NAPKIN DISPOSAL
SND	SANITARY NAPKIN DISPENSER
TM	TILTED MIRROR
TD	TOILET PAPER DISPENSER

- NOTES:
1. WHERE APPLICABLE, THE DIMENSION IS TO THE OPERATOR.
 2. REFER TO PROJECT FLOOR PLANS AND INTERIOR ELEVATIONS FOR WASHROOM FIXTURE LAYOUT

Part 1 General

- .1 ASBESTOS AUDIT UPDATE Report
- .2 Refer to report pertaining to hazardous materials and abatement survey and findings
 prepared by others bound within Binder C specifications for convenience only.
- .2 This report outlines the hazardous materials discovered at this site.

A HAZARDOUS BUILDING MATERIAL ASSISSMENT (Pre-Construction) of the building was carried out for the Owner by:

Pinchin Ltd.

Pinchin File: **336572.023**
Report is dated **July 2, 2025**

Adam Lazette, B. Eng.
Author, Project Technologist

Jessica Cozzitorto, C.Tech.
Project Manager, Team Leader

Damian Palus, C.E.T.
Reviewer, Operations Manager

- .4 The specification sections related to Asbestos Survey or Abatement forms part of the Contract Documents but contains information that is not prepared by the Architect or their sub consultants. The referenced asbestos reports and asbestos abatement specifications were not prepared by or under the supervision of the Architect. While every effort has been made to attempt to provide comprehensive abatement testing information for the purposes of design and tendering, the Architect claims no responsibility or liability for the accuracy of the information contained in the report.
- .5 Refer also to Division 1 and Section 01 35 30 and coordinate with this Section.

Part 2 Products

- 2.1 1. Refer to documents noted above.

Part 3 Execution

- .1 Inspection and Testing will be paid for under Cash Allowances.

END OF SECTION



REVISED
Hazardous Building
Materials Assessment
(Pre-Construction)

Additions and Renovations
Project

Mount Hope Elementary School
9149 Airport Road, Mount
Hope, Ontario

Prepared for:

Hamilton-Wentworth District
School Board

20 Education Court
Hamilton, Ontario, L9A 0B9

July 2, 2025

Pinchin File: 336572.023



Issued to: Hamilton-Wentworth District School Board
Issued on: July 2, 2025
Pinchin File: 336572.023
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Reviewer: _____
Damian Palus, C.E.T.
Operations Manager



EXECUTIVE SUMMARY

Hamilton-Wentworth District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at Mount Hope Elementary School located at 9149 Airport Road, Mount Hope, Ontario. Pinchin performed the assessment on November 13, 2024 and June 16, 2025.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation activities. The proposed work as identified by the Client includes planned additions and renovations throughout the building.

The results of this assessment are intended for use with a properly developed scope of work or performance specifications and safe work procedures.

SUMMARY OF FINDINGS

The following is a summary of significant findings; refer to the body of the report for detailed findings:

Asbestos:

- Texture finish
- Vinyl floor tiles and mastic
- Paint/block filler
- Sink mastic
- Textile (presumed)

Lead:

- Lead is present in paints and coatings.
- Batteries of emergency lights contain solid lead.
- Caulking on cast iron pipe joints (bell and spigot) contains lead.

Silica: Crystalline silica is present in concrete and other materials such as masonry, and ceramic tiles.

Mercury: Mercury vapour is present in lamp tubes.

Polychlorinated Biphenyls (PCBs): PCBs are not present.

Mould and Water Damage: Visible mould was observed. Water damage is present.



SUMMARY OF RECOMMENDATIONS

The following is a summary of significant recommendations; refer to the body of the report for detailed recommendations.

1. Remedial work is recommended regardless of the planned construction work due to the condition of the material. Refer to Section 5.2 for details.
2. Conduct further investigation of the following items, which was not completed during this assessment:
 - a. Any items listed as exclusions in this report, prior to disturbance.
3. Prepare a scope of work or specifications and safe work procedures for the hazardous materials removal required for the planned work.
4. Do not disturb suspected hazardous building materials discovered during the planned work, which have not been identified in this report and arrange for further evaluation and testing.
5. Remove and properly dispose of asbestos-containing materials prior to renovation activities.
6. Recycle mercury-containing lamp tubes when removed from service.
7. Follow appropriate safe work procedures when handling or disturbing asbestos, lead, silica and mould.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.



Hazardous Building Materials Assessment (Pre-Construction)

Mount Hope Elementary School, 9149 Airport Road, Mount Hope, Ontario
Hamilton-Wentworth District School Board

July 2, 2025

Pinchin File: 336572.023

REVISED

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APPENDIX IV	Location Summary Report
APPENDIX V	Hazardous Materials Summary Report / Sample Log
APPENDIX VI	HMIS All Data Report



1.0 INTRODUCTION AND SCOPE

Hamilton-Wentworth District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at Mount Hope Elementary School located at 9149 Airport Road, Mount Hope, Ontario.

Pinchin performed the assessment on November 13, 2024 and June 16, 2025. The surveyor was unaccompanied during the assessment. The assessed area was occupied at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation activities. The proposed work as identified by the Client includes planned additions and renovations throughout the building.

The results of this assessment are intended for use with a properly developed scope of work or performance specification.

1.1 Scope of Assessment

The **assessed area** is limited to the portion(s) of the building to be renovated, as described by the Client, and identified in the drawings in Appendix I.

The assessment was performed to establish the type of specified hazardous building materials, locations and approximate quantities incorporated in the structure(s) and its finishes.

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Polychlorinated Biphenyls (PCBs)
- Mould

The following Designated Substances are not typically found in building materials in a composition/state that is hazardous and were not included in this assessment:

- Arsenic
- Acrylonitrile
- Benzene
- Coke oven emissions



- Ethylene oxide
- Isocyanates
- Vinyl chloride monomer

2.0 METHODOLOGY

Pinchin conducted a room-by-room assessment to identify the hazardous building materials as defined in the scope.

The assessment included limited demolition of wall and ceiling finishes (drywall or plaster) to view concealed conditions at representative areas as permitted by the current building use. Limited destructive testing of flooring was conducted where possible (under ceramic tiles, carpets, or multiple layers of flooring). Demolition of exterior building finishes, masonry walls (chases, shafts etc.), and structural surrounds was not conducted.

Limited demolition of masonry block walls (core holes) was conducted to investigate for loose fill vermiculite insulation. Sampling of roofing materials was conducted.

For further details on the methodology including test methods, refer to Appendix III.

3.0 BACKGROUND INFORMATION

3.1 Building Description

Description Item	Details
Use	Elementary school
Number of Floors	The building is two storeys
Total Area	The assessed area is approximately 15,400 square feet
Year of Construction	The building was constructed in 1952 with additions in 1956, 1965 and 2016
Structure	Steel and concrete
Exterior Cladding	Brick veneer
HVAC	Forced air and mechanical rooms with hot water heating to radiators
Roof (Assessed Area)	Built-up and modified bitumen
Flooring (Assessed Area)	Vinyl floor tiles, vinyl sheet flooring, epoxy and terrazzo flooring
Interior Walls (Assessed Area)	Drywall, plaster, masonry and concrete block walls
Ceilings (Assessed Area)	Texture finish, acoustic ceiling tiles and exposed steel structure



3.2 Existing Reports

Pinchin was provided with the following reports, which have been reviewed as part of this assessment:

- “*Mount Hope School Asbestos Inventory*” prepared by Hamilton-Wentworth District School Board Regulated Substance Team, updated April 2024.

3.3 Inaccessible Locations

The following rooms or areas were not accessible and are therefore not included in the report.

Area or Room	Loc No.	Reason
Tunnels	8747	No access to tunnels (confined space)

4.0 FINDINGS

The following section summarizes the findings of the assessment and provides a general description of the hazardous building materials identified. For details on approximate quantities, condition, friability, accessibility, and locations of hazardous building materials; refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI.

Any quantities listed in this report or data tables are estimated based on visual approximations only and are subject to variation.

4.1 Asbestos

4.1.1 Texture Finishes (Decorative)

Texture coat, confirmed to contain asbestos, is present on ceiling finishes/structure in the Special Education Classroom 131 (samples S0034A-E, location 8751, photo 1). Overspray from the asbestos-containing texture coat is present above the ceiling at light fixture openings, on the deck, ducts, and within junction boxes.



Photo 1

4.1.2 Pipe Insulation

Paper insulation present over fiberglass insulation on straight sections of pipes in the assessed area does not contain asbestos (samples S0023A-C, photo 1).

Remaining pipes in the assessed area are either uninsulated or insulated with non-asbestos fiberglass or other non-asbestos insulation such as mineral fibre or elastomeric foam insulation (photos 2 and 3).

Pipes insulated with asbestos-containing insulations may be present in inaccessible spaces such as above solid ceilings, in chases, in column enclosures and within shafts.

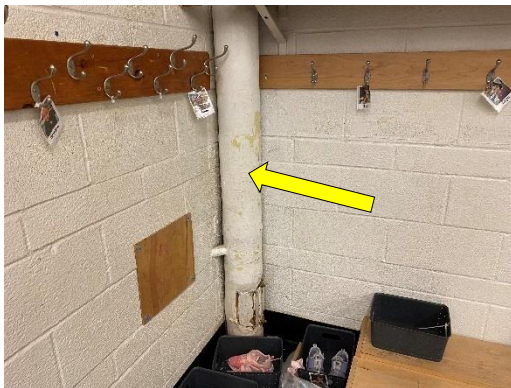


Photo 1



Photo 2



Photo 3

4.1.3 Duct Insulation and Mastic

Ducts are either uninsulated or insulated with non-asbestos fibreglass (foil-faced or canvas jacketing, photo 1).

Grey duct mastic present at seams / joints on the exterior of ducts throughout the assessed area does not contain asbestos (samples S0025A-C, photo 2).



Photo 1



Photo 2

4.1.4 Mechanical Equipment Insulation

Mechanical equipment (e.g., furnace, hot water tanks, boilers) is either uninsulated or insulated with non-asbestos fibreglass (photo 1).



Photo 1


4.1.5 Vermiculite

Destructive testing was conducted of a representative selection of masonry and concrete block walls, including creating penetrations at ten (10) locations. The locations of destructive testing have been indicated on the drawings in Appendix I.

Loose fill vermiculite was not observed within the cavities.

4.1.6 Acoustic Ceiling Tiles

The following is a summary of acoustic ceiling tiles sampled.

Description	Sample Location	Sample Number or Date Code	Asbestos	Photo
2' x 4', lay-in, pinholes and short fissures	Not sampled	02/03/17	None*	

*Ceiling tiles are presumed to be non-asbestos based on the date of manufacture determined from the date stamp applied to the top of the tiles. The tiles were manufactured after asbestos stopped being used in acoustic ceiling tiles.

4.1.7 Plaster

Plaster present on walls and ceilings throughout the assessed area does not contain asbestos (samples S0026A-E, photo 1).



Photo 1

4.1.8 Drywall Joint Compound

Drywall joint compound present on bulkhead and wall finishes throughout the assessed area does not contain asbestos (samples S0030A-C and S0035A-C, photo 1).

Asbestos in drywall joint compound was banned in Canada in 1980. Drywall joint compound in the 2016 era of construction was installed on or after 2016 and is presumed to contain no asbestos (photo 2).

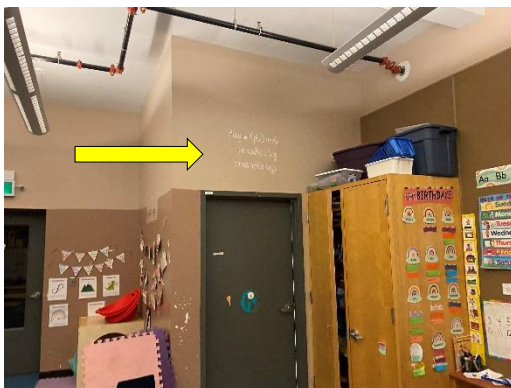




Photo 1



Photo 2


4.1.9 Vinyl Sheet Flooring

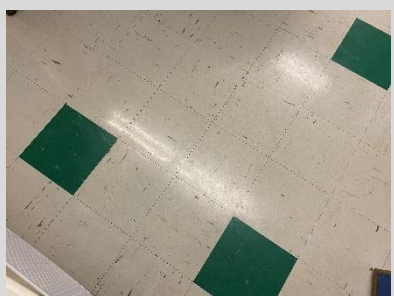



The following is a summary of vinyl sheet flooring sampled.


Description	Sample Location (Loc #)	Sample Number	Asbestos (Backing / Adhesive)	Photo
Light brown and blue pattern	Coat Room 126B (Location 8754) Washroom 126A (Location 8755)	S0031A-C	No / No	
Grey with black dots	Resource Room 132 (Location 8749)	S0033A-C	No / No	

4.1.10 Vinyl Floor Tiles, Baseboard, and Stair Flooring

The following is a summary of vinyl floor tiles sampled.

Description	Sample Location (Location #)	Sample Number	Asbestos (Tile / Adhesive)	Photo
12" x 12", light brown with white and dark brown flecks	Stairwell E1 (Location 8732) Stairwell E2 (Location 8777)	S0006A-C	No / No	



Description	Sample Location (Location #)	Sample Number	Asbestos (Tile / Adhesive)	Photo
9" x 9", beige with streaks and green	Library 210A (Location 8770)	S0018A-C	Yes / Yes	
12" x 12", grey with dark grey and white flecks	Library 210 (Location 8770)	S0020A-C	No / No	
Beige tiles (concealed below non-asbestos floor tiles)	Library 210 (Location 8770)	S0021A-C	Yes / No	
12" x 12", light blue with flecks	Special Education Classroom 131 (Location 8751)	S0028A-C	No / No	
Grey tiles (concealed below foam flooring)	Kindergarten 126 (Location 8756)	S0032A-C	No / No	


Description	Sample Location (Location #)	Sample Number	Asbestos (Tile / Adhesive)	Photo
Adhesive on black rubber baseboards	Not sampled	N/A	None*	

*Baseboard mastic was presumed to be non-asbestos based on the material's application to newer rubber-type baseboards.

4.1.11 Firestopping

The following is a summary of firestopping sampled.

Colour, Type	Sample Location	Sample Number	Asbestos	Photo
Blue, mastic	Receiving Area 142 (Location 1010)	S0003A-C	No	
Red, mastic	Corridor 106 (Location 8741)	S0004A-C	No	

Colour, Type	Sample Location	Sample Number	Asbestos	Photo
Grey, mastic	Custodial Area 211 (Location 1003)	S0010A-C	No	

4.1.12 Levelling Compound

The levelling compound associated with the non-asbestos 12" x 12" light brown with white and dark brown flecks vinyl floor tiles does not contain asbestos (samples S0006A-C; layer 2, photo 1).

The levelling compound associated with the non-asbestos light brown and blue pattern vinyl sheet flooring does not contain asbestos (samples S0031A-C; layer 2, photo 2).

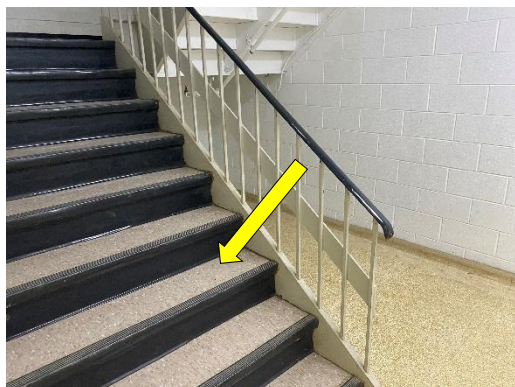


Photo 1

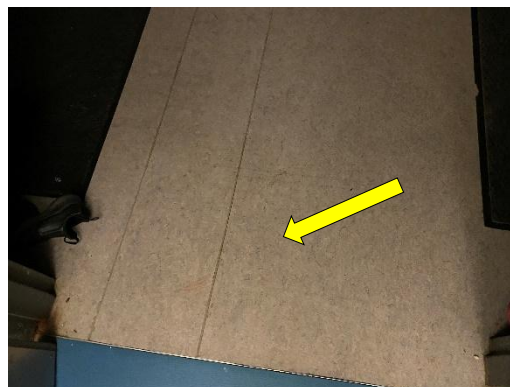









Photo 2

4.1.13 Sealants, Caulking, and Putty

The following is a summary of sealants, caulking, and putties sampled.

Material, Description and Application	Sample Location (Location #)	Sample Number	Asbestos	Photo
Caulking, white on interior door frames	Receiving Area 142 (Location 1010) Classroom 143 (Location 1013) Corridor 201 (Location 8778)	S0001A-C	No	
Caulking, off-white/grey on interior windows	Receiving Area 142 (Location 1010) Classroom 143 (Location 1013) Corridor 201 (Location 8778)	S0002A-C	No	
Caulking, grey on exterior door frames and windows	Exterior (Location 1002)	S0007A-C	No	
Caulking, brown on expansions joints	Roof (Location 1000)	S0013A-C	No	

Material, Description and Application	Sample Location (Location #)	Sample Number	Asbestos	Photo
Caulking, white/light grey on metal roof flashing	Roof (Location 1000)	S0014A-C	No	
Caulking, dark grey/blue on metal roof flashing	Roof (Location 1000) Canopy (Location 1001)	S0015A-C	No	
Caulking, light grey on exterior door frame and window	Roof (Location 1000)	S0016A-C	No	

4.1.14 Roofing Products

The materials associated with the modified bitumen roofing system of the 2016 addition within the assessed area does not contain asbestos (samples S0011A-C, photo 1).

The materials associated with the built-up roofing system on the exterior canopy (Location 1001) does not contain asbestos (samples S0017A-C, photo 2).



Photo 1



Photo 2

4.1.15 Paper, Textile and Board Products






Textile vibration dampers, presumed to contain asbestos, are present as duct connectors in the mechanical room (photo 1).







Photo 1

4.1.16 Other Building Materials

The following is a summary of other materials sampled.

Description	Sample Location (Location #)	Sample Number	Asbestos	Photo
White/dark grey with light grey flecks epoxy flooring	Receiving Area 142 (Location 1010) Corridor 144 (Location 1012) Corridor 201 (Location 8778)	S0005A-C	No	
Light orange and green terrazzo flooring	Stairwell E1 (Location 8732)	S0008A-C	No	
Paint/block filler on concrete block walls (1965 era)	Stairwell E1 (Location 8732) Stairwell E2 (Location 8777) Corridor 201 (Location 8778)	S0009A-C	Yes	
Paint/block filler on exterior masonry walls	Roof (Location 1000) Exterior (Location 1002)	S0012A-C	Yes	
Smooth and textured paint on concrete block walls (1952 era)	Various locations	S0019A-C and S0027A-E	No	

Description	Sample Location (Location #)	Sample Number	Asbestos	Photo
White and black terrazzo flooring	Corridor 201 (Location 8778)	S0022A-C	No	
Grey/gold sink mastic	Special Education Classroom 131 (Location 8751)	S0024A-C	Yes	
Grey with blue and black specks epoxy flooring	Resource Room 132A (Location 8749)	S0029A-C	No	
Paint on concrete block walls (2016 era)	Not sampled	N/A	None*	

*These materials were determined to be non-asbestos based on the manufacture date and known end of use of asbestos in these products.

4.1.17 Excluded Materials

The following is a list of materials which may contain asbestos and was excluded from the assessment. These materials are presumed to contain asbestos until otherwise proven by sampling and analysis:


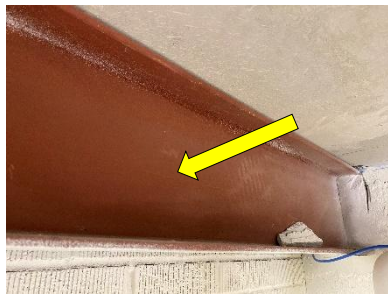
- Electrical components

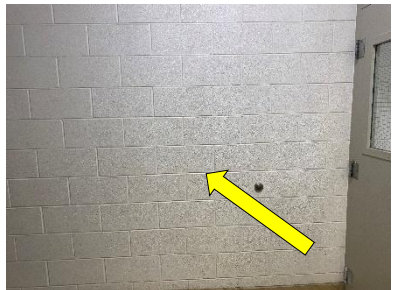



- Mechanical packing, ropes, and gaskets
- Vermiculite
- Fire resistant doors
- Ropes and gaskets in cast-iron bell and spigot joints
- Sealants on pipe threads
- Adhesive/mastic on mirrors/chalkboards/tackboards
- Inaccessible/concealed materials
- Materials outside of the assessed area

4.2 Lead

4.2.1 Paints and Surface Coatings


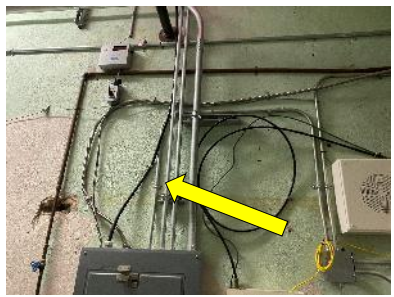

The following table summarizes the analytical results of paints sampled.

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
L0001	White on concrete block walls (2016 era)	Receiving Area 142 (Location 1010)	0.00038	
L0002	Red primer on structural steel	Receiving Area 142 (Location 1010)	<0.0014	

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
L0003	White on concrete block walls	Stairwell E2 (Location 8777)	0.024	
L0004	Blue on metal roof flashing	Roof (Location 1000)	<0.0020	
L0005	Off-white on exterior masonry walls	Roof (Location 1000)	0.00083	
L0006	White on metal door and door frame	Roof (Location 1000)	<0.0019	

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
L0007	Light pink on concrete block walls	Library 210 (Location 8770)	0.037	
L0008	White on metal wall frames	Library 210 (Location 8770)	0.061	
L0009	White/light green on plaster walls and ceilings	Special Education Classroom 131 (Location 8751)	0.11	
L0010	Light brown on plaster walls	Kindergarten 126 (Location 8756)	0.023	

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
L0011	Dark green on wood door and wall frames	Special Education Classroom 131 (Location 8751)	0.0040	
L0012	White on textured concrete block walls	Special Education Classroom 131 (Location 8751)	0.026	
L0013	Beige on plaster walls	Resource Room 132 (Location 8749)	0.23	
L0014	Beige on wood door and wall frames	Resource Room 132 (Location 8749)	0.0033	
L0015	White/light brown on drywall walls	Kindergarten 126 (Location 8756)	<0.0014	

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
				
L0016	Green on concrete block	Mechanical Room (Location 8747)	0.056	
L0017	Red primer on structural steel	Storage (Location 8748)	0.11	
L0018	Grey on concrete floors	Mechanical Room (Location 8747)	0.0090	

Results above 0.1% (1,000 mg/kg) are considered lead-containing, and over 0.5% (5,000 mg/kg) are considered lead-based.

Results less than or equal to 0.1% (1,000 mg/kg), but equal to or greater than 0.009% (90 mg/kg), are considered low-level lead paints or surface coatings in accordance with the EACC guideline.

Paints containing lead less than 0.009% (90 mg/kg) is assumed to be insignificant.

4.2.2 Lead Products and Applications

Lead-containing batteries are present in emergency lighting (photo 1).



Photo 1

4.2.3 *Excluded Lead Materials*

Lead is known to be present in several materials which were not assessed or sampled. The following materials, where found, should be presumed to contain lead.

- Electrical components, including wiring connectors, grounding conductors, and solder
- Solder on pipe connections

4.3 **Silica**

Crystalline silica is assumed to be a component of the following materials where present in the building.

- Concrete
- Masonry and mortar
- Plaster

4.4 **Mercury**

4.4.1 *Lamps*

Mercury vapour is present in fluorescent lamp tubes.

4.4.2 *Mercury-Containing Devices*

Thermostats inspected did not contain liquid mercury ampules.

4.5 **Polychlorinated Biphenyls**

4.5.1 *Caulking and Sealants*

The following table presents a summary of caulking sampled:

Material, Colour, Application	Sample Location (Location #)	Sample Number	PCB (mg/kg)	Photo
Caulking, various colours on roof (composite)	Roof (Location 1000)	P0001	<0.2	

The material is a non-PCB solid based on the threshold (50 mg/kg).

4.5.2 Lighting Ballasts

Based on visual observations (e.g. evidence of T-8 and LED fixtures with electronic ballasts) the fixtures will not contain PCB ballasts.

4.5.3 Transformers

All transformers in the building are dry type transformers and do not contain PCB-containing dielectric fluids; however, may contain capacitors, which could not be assessed for PCBs as the equipment was in service (photo 1).



Photo 1

4.6 Mould and Water Damage

Visible mould growth and water damage is present on the wood structure and plaster ceilings above acoustic ceiling tiles in Corridor 118 (Location 8764, photo 1).



Photo 1



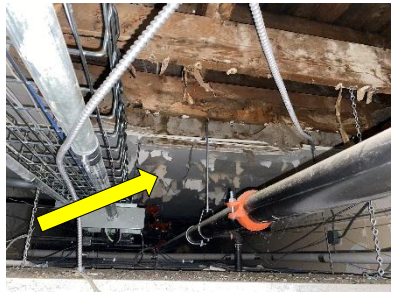
5.0 RECOMMENDATIONS

5.1 General

1. Prepare scope of work or performance specifications for hazardous material removal required for the planned work. The specifications should include safe work practices, personal protective equipment, respiratory protection, and disposal of waste materials.
2. If suspected hazardous building materials are discovered during the planned work, which are not identified in this report, do not disturb, and arrange for further testing and evaluation.
3. Conduct further investigation of the following items, areas, or locations, which were not completed during this assessment:
 - a. Any items listed as exclusions in this report, prior to disturbance.
4. Provide this report and the detailed plans and specifications to the contractor prior to bidding or commencing work.
5. Retain a qualified consultant to specify, observe and document the successful removal of hazardous materials.
6. Update the asbestos inventory upon completion of the abatement and removal of asbestos-containing materials and any other relevant findings.

5.2 Remedial Work

The following remedial work is recommended regardless of the planned construction work due to the condition and location of the material.

Material, Quantity & Condition	Location	Recommended Procedure	Photo
Plaster ceiling, 100 square feet, poor condition	Corridor 118 (Location 8764)	Consider conducting an intrusive investigation for potential of mould growth.	
Lead-containing paint, 10 square feet, poor condition	Resource Room 132A (Location 8749)	Remove flaking paint in accordance with EACC Class 2A lead procedures.	
Lead-containing paint and debris, 120 square feet, poor condition	Corridor 118 (Location 8764)	Remove flaking paint in accordance with EACC Class 2A lead procedures.	

5.3 Building Renovation Work

The following recommendations are made regarding renovation involving the hazardous materials identified.

5.3.1 Asbestos

Remove asbestos-containing materials (ACM) prior to renovation, alteration, or maintenance if ACM may be disturbed by the work. If the identified ACM will not be removed prior to commencement of the work, any potential disturbance of ACM must follow asbestos precautions appropriate for the type of work being performed.

Asbestos-containing materials must be disposed of at a landfill approved to accept asbestos waste.



5.3.2 *Lead*

For lead-containing or lead-based paints (i.e., greater than the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints, and 0.5% (5,000 mg/kg) for lead-based), construction disturbance may result in over-exposure to lead dust or fumes. The need for work procedures, engineering controls and personal protective equipment should be assessed on a site-specific basis to comply with Ministry of Labour, Training and Skills Development regulations and guidelines.

For paints identified as having low levels of lead (i.e., equal to or above 0.009% (90 mg/kg) but less than or equal to the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints) special precautions are not recommended unless aggressive disturbance (grinding, blasting, torching) is planned. Exposure from construction disturbance of paints containing lead less than 0.009% (90 mg/kg) is assumed to be insignificant.

Items painted with paints containing elevated levels of lead may be a hazardous waste. Test lead-painted materials for leachable lead and other metals prior to disposal. Metallic components coated with lead paint do not require leachate testing and can be disposed of as non-hazardous construction and demolition (C&D) waste.

Lead-containing items should be recycled when taken out of service.

5.3.3 *Silica*

Construction disturbance of silica-containing products may result in excessive exposures to airborne silica, especially if performed indoors and dry. Cutting, grinding, drilling or demolition of materials containing silica should be completed only with proper respiratory protection and other worker safety precautions that comply with applicable regulations and guidelines.

5.3.4 *Mercury*

Do not break lamps. Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable regulations.

5.3.5 *Mould*

Mould growth was noted in areas affected by the planned work. Retain a qualified consultant to perform an intrusive investigation to determine the full extent of hidden mould growth.



6.0 TERMS AND LIMITATIONS

This work was performed subject to the Terms and Limitations presented or referenced in the proposal for this project.

Information provided by Pinchin is intended for Client use only. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law. Any use by a third party of reports or documents authored by Pinchin or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.

7.0 REFERENCES

The following legislation and documents were referenced in completing the assessment and this report:

Ontario

1. Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05.
2. Designated Substances, Ontario Regulation 490/09.
3. Lead on Construction Projects, Ministry of Labour Guidance Document.
4. The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair.
5. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 347 as amended.
6. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 362 as amended.
7. Silica on Construction Projects, Ministry of Labour Guidance Document.
8. Alert – Mould in Workplace Buildings, Ontario Ministry of Labour.

All jurisdictions

9. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
10. Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.
11. Consolidated Transportation of Dangerous Goods Regulations, including Amendment SOR/2019-101, Transportation of Dangerous Goods Act.
12. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004 (Revised 2018), Canadian Construction Association.
13. Ozone-depleting Substances and Halocarbon Alternatives Regulations, SOR/2016-137.



Hazardous Building Materials Assessment (Pre-Construction)

Mount Hope Elementary School, 9149 Airport Road, Mount Hope, Ontario
Hamilton-Wentworth District School Board

July 2, 2025

Pinchin File: 336572.023

REVISED

Federal Workplaces

14. Canada Occupational Health and Safety Regulation, SOR/86-304

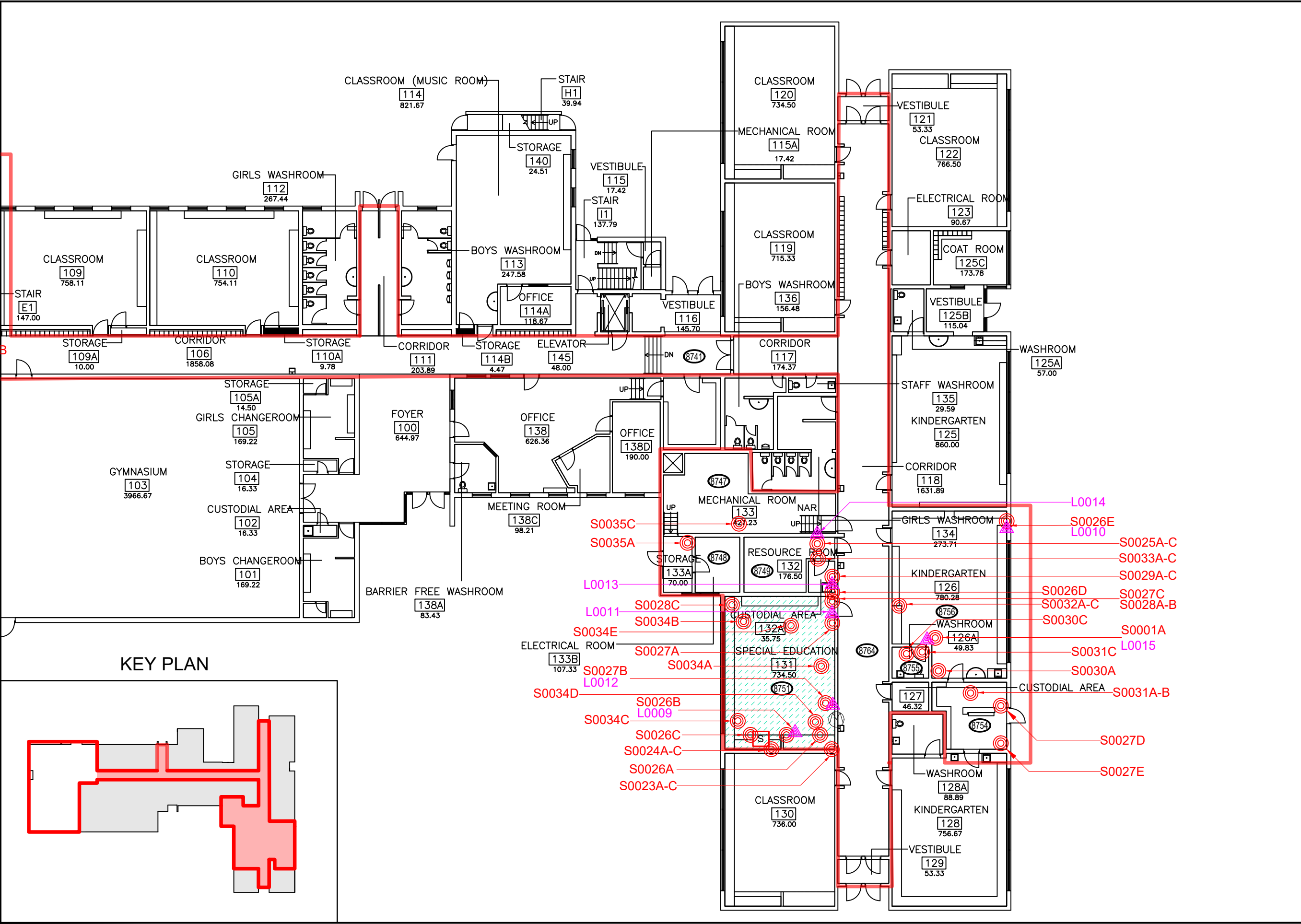
15. Technical Guideline to Asbestos Exposure Management Programs.

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HWDSB,MountHopeES,Additn&Reno,HAZ,ASSMT\Deliverables\REV\336572.023 REV HBMA Report Additions and Reno Mount Hope ES HWDSB July 2 2025.docx

Template: Master Report for Hazardous Materials Assessment (Pre-Construction), HAZ, June 19, 2024

APPENDIX I
Drawings



LEGEND

PINCHIN LOCATION NUMBER

SURVEY BOUNDARY/ASSESSED AREA

NO ACCESS TO ROOM/AREA (ONLY UNDERGROUND TUNNELS)

ASBESTOS BULK SAMPLE

LEAD BULK SAMPLE

PCB BULK SAMPLE

VERMICULITE DRILLHOLE

ASBESTOS-CONTAINING MATERIALS:

SINK MASTIC

VINYL FLOOR TILES (CONCEALED)

VINYL FLOOR TILES & MASTIC

TEXTURE FINISH

PAINT/ BLOCK FILLER

FOR CLARITY, THE FOLLOWING ASBESTOS-CONTAINING MATERIALS, ARE PRESENT IN THE ASSESSED AREA, BUT HAVE NOT BEEN HATCHED ON THE DRAWING:

- TEXTILE
- PIPE INSULATION (CONCEALED)

NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.

PROJECT NAME:

HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:

HAMILTON WENTWORTH DISTRICT SCHOOL BOARD

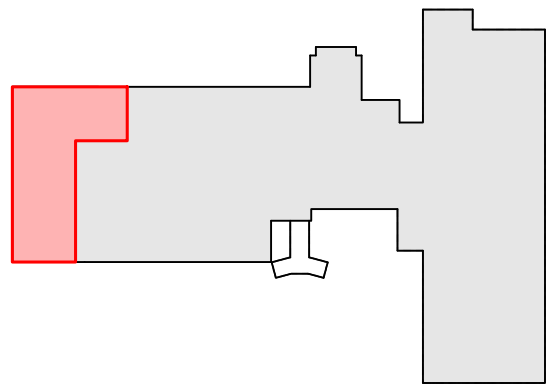
PROJECT LOCATION:

MOUNT HOPE ES.
9149 AIRPORT RD
MOUNT HOPE, ON

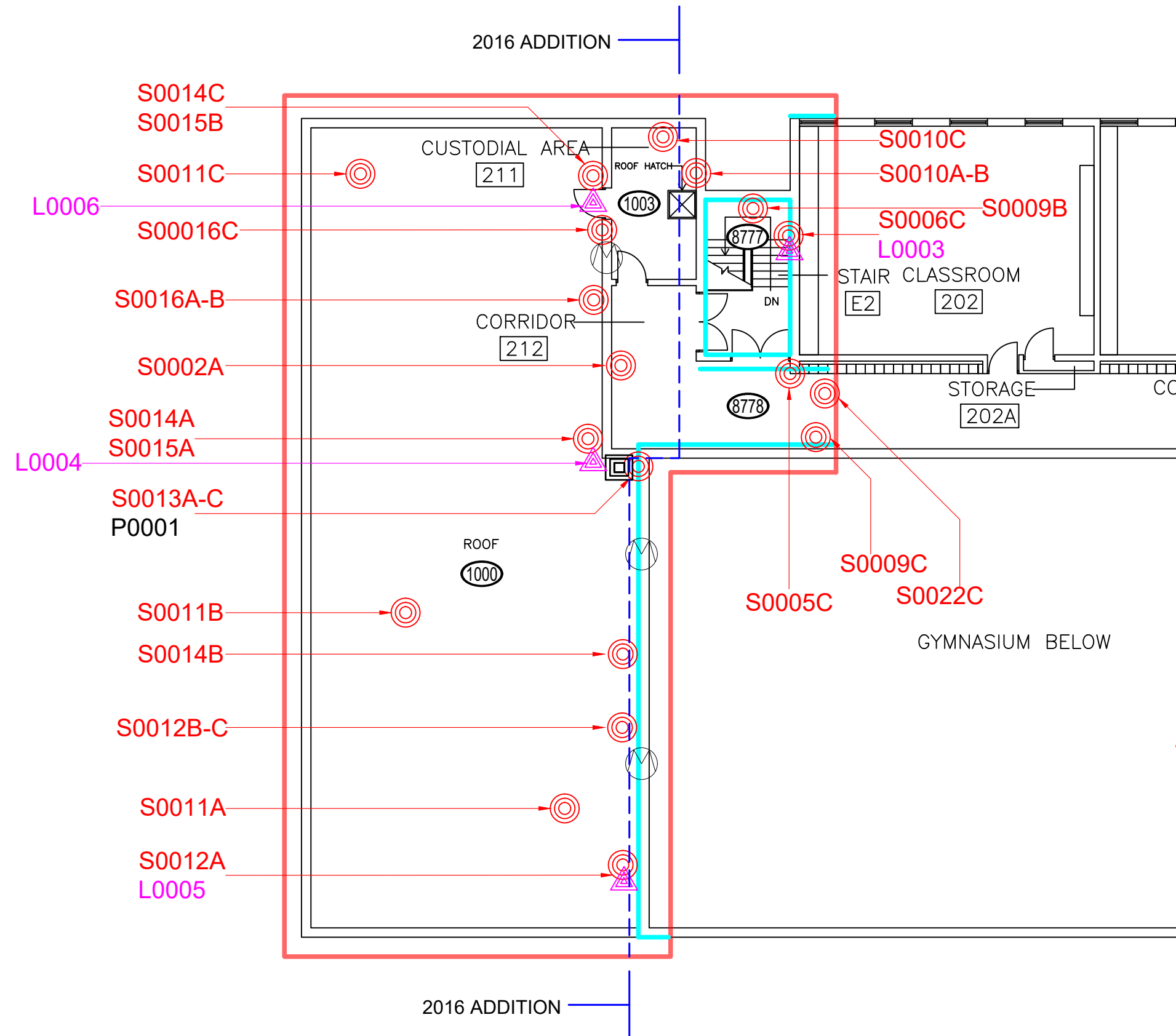
FIGURE NAME:

FIRST FLOOR

PROJECT NUMBER:	SCALE:
336572.023	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
WB	AL
DATE:	FIGURE NUMBER:
JUNE 2025	2 OF 4



KEY PLAN



FOR CLARITY, THE FOLLOWING ASBESTOS-CONTAINING MATERIALS, ARE PRESENT IN THE ASSESSED AREA, BUT HAVE NOT BEEN HATCHED ON THE DRAWING:

- TEXTILE
- PIPE INSULATION (CONCEALED)

NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.



PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:
HAMILTON WENTWORTH DISTRICT SCHOOL BOARD

PROJECT LOCATION:
MOUNT HOPE ES.
9149 AIRPORT RD
MOUNT HOPE, ON

FIGURE NAME:
SECOND FLOOR

PROJECT NUMBER: 336572.023	SCALE: NOT TO SCALE
DRAWN BY: WB	REVIEWED BY: AL
DATE: JUNE 2025	FIGURE NUMBER: 3 OF 4

APPENDIX II-A
Asbestos Analytical Certificates



Pinchin Ltd. Asbestos Laboratory *Certificate of Analysis*

Project Name:	Mount Hope ES		
Project No.:	0336572.023		
Prepared For:	A. Lazette / J. Cozzitorto		
Lab Reference No.:	b328585		
Analyst(s):	M. Tiggos		
Date Received:	November 26, 2024	Samples Submitted:	3
Date Analyzed:	December 5, 2024	Phases Analyzed:	12

The Pinchin Ltd. Mississauga asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis for all bulk materials. Please be advised that bulk materials do not include debris, dust, and tape-lift samples, and the analysis and reporting of these materials does not conform with Pinchin Ltd.'s NVLAP accreditation.

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

This report relates only to the items tested.

This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Mount Hope ES
Project No.: 0336572.023
Prepared For: A. Lazette / J. Cozzitorto

Lab Reference No.: b328585
Date Analyzed: December 5, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0017A Built Up Roofing, Roofing Material, Loc: 1001, Canopy	4 Phases:		
	a) Homogeneous, black, layered, tar material.	None Detected	Tar and other Non-Fibrous > 75%
	b) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 25-50% Tar and other Non-Fibrous 50-75%
	c) Homogeneous, black, tar material with fibres.	None Detected	Synthetic Fibres 10-25% Tar and other Non-Fibrous > 75%
	d) Homogeneous, black, tar material with stones.	None Detected	Tar and other Non-Fibrous > 75%
Comments:	Due to the condition of the sample, the order of phases reported may not reflect the actual order in situ.		
S0017B Built Up Roofing, Roofing Material, Loc: 1001, Canopy	4 Phases:		
	a) Homogeneous, black, tar material on top of cellulose.	None Detected	Tar and other Non-Fibrous > 75%
	b) Homogeneous, black, tar-impregnated, compressed, fibrous material on top of cellulose.	None Detected	Cellulose 25-50% Tar and other Non-Fibrous 50-75%
	c) Homogeneous, black, layered, tar material.	None Detected	Tar and other Non-Fibrous > 75%
	d) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 25-50% Tar and other Non-Fibrous 50-75%
Comments:	Due to the condition of the sample, the order of phases reported may not reflect the actual order in situ. Cellulose is present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: Mount Hope ES
Project No.: 0336572.023
Prepared For: A. Lazette / J. Cozzitorto

Lab Reference No.: b328585
Date Analyzed: December 5, 2024

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0017C Built Up Roofing, Roofing Material, Loc: 1001, Canopy	4 Phases:		
	a) Homogeneous, black, layered, tar material.	None Detected	Tar and other Non-Fibrous > 75%
	b) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material.	None Detected	Cellulose 25-50% Tar and other Non-Fibrous 50-75%
	c) Homogeneous, black, tar material with fibres.	None Detected	Synthetic Fibres 10-25% Tar and other Non-Fibrous > 75%
	d) Homogeneous, black, tar material with stones.	None Detected	Tar and other Non-Fibrous > 75%
Comments:	Due to the condition of the sample, the order of phases reported may not reflect the actual order in situ.		

Reviewed by:

Reporting Analyst:

17ABC missing from GC
 17ABC kept @ Pinchin
 remaining sent to BV
 emailed re: 17ABC 11/26
 rec'd 11/3

Analyzed by: HT 12/5/2024
 Reviewed by: [Signature]
 Report Sent by: [Signature]

Pinchin Ltd. - Asbestos Laboratory Internal Asbestos Bulk Sample Chain of Custody

Special Instructions:

Client Name:		Project Address:	Mount Hope ES
Portfolio/Building No:		Pinchin File:	0336572.023
Submitted by:	Adam Lazette	Email:	alazette@pinchin.com
CC Results to:	Jessica Cozzitorto	CC Email:	jcozzitorto@pinchin.com
Date Submitted:	December 03 2024	Required by:	December 10 2024
# of Samples:	3	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):			
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):		Pinchin	
HMIS2 Building Reference #:		142470/2024101373486604	
To be Completed by Lab Personnel Only:			
Lab Reference #:	b328585 LD	Time:	24 hour clock
Received by:	11.26.2024 CH	Date:	Month Day Year
Name(s) of Analyst(s):		HT [Signature] - R	
Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0017	A	Built Up Roofing, Roofing Material, Loc: 1001 Canopy a/No b/No c/No d/No
S	0017	B	Built Up Roofing, Roofing Material, Loc: 1001 Canopy a/No b/No c/No d/No
S	0017	C	Built Up Roofing, Roofing Material, Loc: 1001 Canopy a/No b/No c/No d/No



Pinchin Ltd. Asbestos Laboratory *Certificate of Analysis*

Project Name: Hamilton-Wentworth District School Board, Mount Hope Elementary School, ON
Project No.: 0336572.023
Prepared For: J. Appleby

Lab Reference No.: b340406
Analyst(s): A. Di Giulio

Date Received:	June 18, 2025	Samples Submitted:	8
Date Analyzed:	June 26, 2025	Phases Analyzed:	4

The Pinchin Ltd. Mississauga asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis for all bulk materials. Please be advised that bulk materials do not include debris, dust, and tape-lift samples, and the analysis and reporting of these materials does not conform with Pinchin Ltd.'s NVLAP accreditation.

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

This report relates only to the items tested.

This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton-Wentworth District School Board, Mount Hope Elementary School, ON
Project No.: 0336572.023
Prepared For: J. Appleby

Lab Reference No.: b340406
Date Analyzed: June 26, 2025

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0034A Ceiling, Texture Finish - Non Friable, Loc: 8751, Special Education Classroom	Homogeneous, off-white, finishing or texture coat.	Chrysotile 0.5-5%	Cellulose 5-10% Perlite 25-50% Other Non-Fibrous 50-75%
S0034B Ceiling, Texture Finish - Non Friable, Loc: 8751, Special Education Classroom			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0034C Ceiling, Texture Finish - Non Friable, Loc: 8751, Special Education Classroom			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0034D Ceiling, Texture Finish - Non Friable, Loc: 8751, Special Education Classroom			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0034E Ceiling, Texture Finish - Non Friable, Loc: 8751, Special Education Classroom			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		



Pinchin Ltd. Asbestos Laboratory *Certificate of Analysis*

Project Name: Hamilton-Wentworth District School Board, Mount Hope Elementary School, ON
Project No.: 0336572.023
Prepared For: J. Appleby

Lab Reference No.: b340406
Date Analyzed: June 26, 2025

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0035A Wall,Drywall And Joint Compound,Loc:8748, Storage	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0035B Wall,Drywall And Joint Compound,Loc:8748, Storage	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0035C Wall,Drywall And Joint Compound,Loc:8747, Mechanical Room	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Reporting Analyst:

Analyzed by: AD 6/26/25
 Referred by: [Signature]
 Report Sent by: RD

Pinchin Ltd. - Asbestos Laboratory

Internal Asbestos Bulk Sample Chain of Custody

Special Instructions:

Client Name:	Hamilton-Wentworth District School Board	Project Address:	ON
Portfolio/Building No:	Mount Hope Elementary School	Pinchin File:	336572.023
Submitted by:	Justin Appleby	Email:	jappleby@pinchin.com
CC Email:	Jessica Cozzitorto	CC Email:	jcozzitorto@pinchin.com
Date Submitted:	June 17 2025	Required by:	June 25 2025
# of Samples:	8	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):			
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):			
HMIS2 Building Reference #:		150764/202551650965099	
To be Completed by Lab Personnel Only:			
Lab Reference #:	b340406 4		
Received by:	JUN 18 2025 4		
Name(s) of Analyst(s):	(u)		
Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0034	A	Ceiling, Texture Finish - Non Friable, Loc: 8751, Special Education Classroom Chlo. 5-51.
S	0034	B	Ceiling, Texture Finish - Non Friable, Loc: 8751, Special Education Classroom NA-
S	0034	C	Ceiling, Texture Finish - Non Friable, Loc: 8751, Special Education Classroom NA-
S	0034	D	Ceiling, Texture Finish - Non Friable, Loc: 8751, Special Education Classroom NA-
S	0034	E	Ceiling, Texture Finish - Non Friable, Loc: 8751, Special Education Classroom NA-
S	0035	A	Wall, Drywall And Joint Compound, Loc: 8748, Storage ND

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0035	B	Wall,Drywall And Joint Compound,Loc:8748,Storage ND
S	0035	C	Wall,Drywall And Joint Compound,Loc:8747,Mechanical Room ND



Your Project #: 0336572.023
Site Location: MOUNT HOPE ES
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

Pinchin Ltd
151 York Boulevard
Suite 200
Hamilton, ON
CANADA L8R 3M2

Report Date: 2024/12/03
Report #: R8429735
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4AN898

Received: 2024/11/27, 11:30

Sample Matrix: Solid
Samples Received: 100

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Asbestos by PLM - 0.5 RDL (1)	100	N/A	2024/12/03	COR3SOP-00002	EPA 600R-93/116

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Bureau Veritas' Asbestos Laboratory is accredited by NVLAP for bulk asbestos analysis by polarized light microscopy, NVLAP Code 600136-0.

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Bureau Veritas' scope of accreditation includes EPA -- 40 CFR Appendix E to Subpart E of Part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and EPA-600/R-93/116: "Method for the Determination of Asbestos in Bulk Building Materials".

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) P.O.B. - Percent of Bulk



Your Project #: 0336572.023
Site Location: MOUNT HOPE ES
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

Pinchin Ltd
151 York Boulevard
Suite 200
Hamilton, ON
CANADA L8R 3M2

Report Date: 2024/12/03
Report #: R8429735
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4AN898

Received: 2024/11/27, 11:30

When Asbestos data is reported with other data, this report contains data that are not covered by the NVLAP accreditation.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:

Nilushi Mahathantila, Project Manager

Email: Nilushi.Mahathantila@bureauveritas.com

Phone# (905) 817-5700

=====

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Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0001A WALL,DOOR FRAME,CAULKING,WHITE ON INTERIOR DOOR FRAMES,LOC:1010,RECEIVING AREA					
Bureau Veritas ID: AKDB91		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white caulking	Not Detected		Non-Fibrous

S0001B WALL,DOOR FRAME,CAULKING,WHITE ON INTERIOR DOOR FRAMES,LOC:1013,CLASSROOM					
Bureau Veritas ID: AKDB92		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white caulking	Not Detected		Non-Fibrous

S0001C WALL,DOOR FRAME,CAULKING,WHITE ON INTERIOR DOOR FRAMES,LOC:8778,CORRIDOR					
Bureau Veritas ID: AKDB93		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white caulking	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0002A WALL,WINDOW,CAULKING,OFF-WHITE/GREY ON INTERIOR WINDOWS,LOC:8778,CORRIDOR					
Bureau Veritas ID: AKDB94		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0002B WALL,WINDOW,CAULKING,OFF-WHITE/GREY ON INTERIOR WINDOWS,LOC:1013,CLASSROOM					
Bureau Veritas ID: AKDB95		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0002C WALL,WINDOW,CAULKING,OFF-WHITE/GREY ON INTERIOR WINDOWS,LOC:1010,RECEIVING AREA					
Bureau Veritas ID: AKDB96		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0003A STRUCTURE,FIRE STOP,FIRESTOPPING (MASTIC),BLUE,LOC:1010,RECEIVING AREA					
Bureau Veritas ID: AKDB97		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous blue firestop	Not Detected		Non-Fibrous

S0003B STRUCTURE,FIRE STOP,FIRESTOPPING (MASTIC),BLUE,LOC:1010,RECEIVING AREA					
Bureau Veritas ID: AKDB98		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous blue firestop	Not Detected		Non-Fibrous

S0003C STRUCTURE,FIRE STOP,FIRESTOPPING (MASTIC),BLUE,LOC:1010,RECEIVING AREA					
Bureau Veritas ID: AKDB99		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous blue firestop	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0004A STRUCTURE,FIRE STOP,FIRESTOPPING (MASTIC),RED,LOC:8741,CORRIDOR					
Bureau Veritas ID: AKDC00		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous red firestop	Not Detected		Non-Fibrous

S0004B STRUCTURE,FIRE STOP,FIRESTOPPING (MASTIC),RED,LOC:8741,CORRIDOR					
Bureau Veritas ID: AKDC01		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous red firestop	Not Detected		Non-Fibrous

S0004C STRUCTURE,FIRE STOP,FIRESTOPPING (MASTIC),RED,LOC:8741,CORRIDOR					
Bureau Veritas ID: AKDC02		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous red firestop	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0005A FLOOR,EPOXY,WHITE/DARK GREY AND LIGHT GREY,LOC:1010,RECEIVING AREA					
Bureau Veritas ID: AKDC03		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous off-white/grey epoxy flooring	Not Detected		Non-Fibrous

S0005B FLOOR,EPOXY,WHITE/DARK GREY AND LIGHT GREY,LOC:1012,CORRIDOR					
Bureau Veritas ID: AKDC04		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous off-white/grey epoxy flooring	Not Detected		Non-Fibrous

S0005C FLOOR,EPOXY,WHITE/DARK GREY AND LIGHT GREY,LOC:8778,CORRIDOR					
Bureau Veritas ID: AKDC05		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous off-white/grey epoxy flooring	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0006A FLOOR,VINYL FLOOR TILE AND MASTIC,12 X 12 LIGHT BROWN WITH WHITE/DARK BROWN FLECKS,LOC:8732,STAIRWELL					
Bureau Veritas ID: AKDC06		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous brown/black mastic/levelling compound	Not Detected		Non-Fibrous

S0006B FLOOR,VINYL FLOOR TILE AND MASTIC,12 X 12 LIGHT BROWN WITH WHITE/DARK BROWN FLECKS,LOC:8732,STAIRWELL					
Bureau Veritas ID: AKDC07		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous brown/black mastic/levelling compound	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0006C FLOOR,VINYL FLOOR TILE AND MASTIC,12 X 12 LIGHT BROWN WITH WHITE/DARK BROWN FLECKS,LOC:8777,STAIRWELL					
Bureau Veritas ID: AKDC08		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous brown/black mastic/levelling compound	Not Detected		Non-Fibrous

S0007A WALL,WINDOW,CAULKING,GREY ON EXTERIOR DOOR FRAMES AND WINDOWS,LOC:1002,EXTERIOR					
Bureau Veritas ID: AKDC09		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0007B WALL,WINDOW,CAULKING,GREY ON EXTERIOR DOOR FRAMES AND WINDOWS,LOC:1002,EXTERIOR					
Bureau Veritas ID: AKDC10		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0007C WALL,DOOR FRAME,CAULKING,GREY ON EXTERIOR DOOR FRAMES AND WINDOWS,LOC:1002,EXTERIOR					
Bureau Veritas ID: AKDC11		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0008A FLOOR,TERRAZZO,LIGHT ORANGE,LOC:8732,STAIRWELL					
Bureau Veritas ID: AKDC12		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white/beige terrazzo flooring	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0008B FLOOR,TERRAZZO,LIGHT ORANGE,LOC:8732,STAIRWELL					
Bureau Veritas ID: AKDC13		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white/beige terrazzo flooring	Not Detected		Non-Fibrous

S0008C FLOOR,TERRAZZO,LIGHT ORANGE,LOC:8732,STAIRWELL					
Bureau Veritas ID: AKDC14		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white/beige terrazzo flooring	Not Detected		Non-Fibrous

S0009A WALL,PAINT,ON CONCRETE BLOCK,LOC:8732,STAIRWELL					
Bureau Veritas ID: AKDC15		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Non-homogeneous white/grey paint/cementitious material	Chrysotile 1%		Non-Fibrous
		Comment: Inseparable layers			

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0009B WALL,PAINT,ON CONCRETE BLOCK,LOC:8777,STAIRWELL					
Bureau Veritas ID: AKDC16		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0009C WALL,PAINT,ON CONCRETE BLOCK,LOC:8778,CORRIDOR					
Bureau Veritas ID: AKDC17		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0010A STRUCTURE,FIRE STOP,FIRESTOPPING (MASTIC),GREY,LOC:1003,CUSTODIAL AREA					
Bureau Veritas ID: AKDC18		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey firestop	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0010B STRUCTURE,FIRE STOP,FIRESTOPPING (MASTIC),GREY,LOC:1003,CUSTODIAL AREA					
Bureau Veritas ID: AKDC19		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey firestop	Not Detected		Non-Fibrous

S0010C STRUCTURE,FIRE STOP,FIRESTOPPING (MASTIC),GREY,LOC:1003,CUSTODIAL AREA					
Bureau Veritas ID: AKDC20		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey firestop	Not Detected		Non-Fibrous

S0011A ROOF,TAR PAPER,LOC:1000,ROOF					
Bureau Veritas ID: AKDC21		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous black tar with fibres	Not Detected	Fibrous Glass 15%	Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0011B ROOF,TAR PAPER,LOC:1000,ROOF						
Bureau Veritas ID:		AKDC22		Date Analyzed:		2024/12/03
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>	
Layer 1	100	Homogeneous black tar with fibres	Not Detected	Fibrous Glass 15%	Non-Fibrous	

S0011C ROOF,TAR PAPER,LOC:1000,ROOF						
Bureau Veritas ID:		AKDC23		Date Analyzed:		2024/12/03
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>	
Layer 1	100	Homogeneous black tar with fibres	Not Detected	Fibrous Glass 15%	Non-Fibrous	

S0012A WALL,PAINT,EXTERIOR MASONRY,LOC:1000,ROOF						
Bureau Veritas ID:		AKDC24		Date Analyzed:		2024/12/03
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>		<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Non-homogeneous white/grey paint/cementitious material	Chrysotile	1%		Non-Fibrous
	Comment: Inseparable layers					

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0012B WALL,PAINT,EXTERIOR MASONRY,LOC:1000,ROOF					
Bureau Veritas ID: AKDC25		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0012C WALL,PAINT,EXTERIOR MASONRY,LOC:1002,EXTERIOR					
Bureau Veritas ID: AKDC26		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0013A WALL,EXPANSION JOINT,CAULKING,BROWN ON EXPANSION JOINTS,LOC:1000,ROOF					
Bureau Veritas ID: AKDC27		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous brown caulking	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0013B WALL,EXPANSION JOINT,CAULKING,BROWN ON EXPANSION JOINTS,LOC:1000,ROOF					
Bureau Veritas ID: AKDC28		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous brown caulking	Not Detected		Non-Fibrous

S0013C WALL,EXPANSION JOINT,CAULKING,BROWN ON EXPANSION JOINTS,LOC:1000,ROOF					
Bureau Veritas ID: AKDC29		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous brown caulking	Not Detected		Non-Fibrous

S0014A WALL,FLASHING,CAULKING,LIGHT GREY ON METAL ROOF FLASHING,LOC:1000,ROOF					
Bureau Veritas ID: AKDC30		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0014B WALL,FLASHING,CAULKING,LIGHT GREY ON METAL ROOF FLASHING,LOC:1000,ROOF					
Bureau Veritas ID: AKDC31		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0014C WALL,FLASHING,CAULKING,LIGHT GREY ON METAL ROOF FLASHING,LOC:1000,ROOF					
Bureau Veritas ID: AKDC32		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0015A WALL,FLASHING,CAULKING,DARK GREY/BLUE ON METAL ROOF FLASHING,LOC:1000,ROOF					
Bureau Veritas ID: AKDC33		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous dark grey caulking	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0015B WALL,FLASHING,CAULKING,DARK GREY/BUE ON METAL ROOF FLASHING,LOC:1000,ROOF					
Bureau Veritas ID: AKDC34		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous dark grey caulking	Not Detected		Non-Fibrous

S0015C WALL,FLASHING,CAULKING,DARK GREY/BUE ON METAL ROOF FLASHING,LOC:1001,CANOPY					
Bureau Veritas ID: AKDC35		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous dark grey caulking	Not Detected		Non-Fibrous

S0016A WALL,WINDOW,CAULKING,LIGHT GREY ON EXTERIOR DOOR FRAME AND WINDOW,LOC:1000,ROOF					
Bureau Veritas ID: AKDC36		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous light grey caulking	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0016B WALL,WINDOW,CAULKING,LIGHT GREY ON EXTERIOR DOOR FRAME AND WINDOW,LOC:1000,ROOF					
Bureau Veritas ID: AKDC37		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous light grey caulking	Not Detected		Non-Fibrous

S0016C WALL,DOOR FRAME,CAULKING,LIGHT GREY ON EXTERIOR DOOR FRAME AND WINDOW,LOC:1000,ROOF					
Bureau Veritas ID: AKDC38		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous light grey caulking	Not Detected		Non-Fibrous

S0018A FLOOR,VINYL FLOOR TILE AND MASTIC,9 X 9 BEIGE WITH STREAKS AND GREEN,LOC:8770,LIBRARY					
Bureau Veritas ID: AKDC39		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Chrysotile 2%		Non-Fibrous
Layer 2	5	Homogeneous black mastic	Chrysotile 2%		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0018B FLOOR,VINYL FLOOR TILE AND MASTIC,9 X 9 BEIGE WITH STREAKS AND GREEN,LOC:8770,LIBRARY					
Bureau Veritas ID: AKDC40		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0018C FLOOR,VINYL FLOOR TILE AND MASTIC,9 X 9 BEIGE WITH STREAKS AND GREEN,LOC:8770,LIBRARY					
Bureau Veritas ID: AKDC41		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0019A WALL,PAINT,ON CONCRETE BLOCK,LOC:8770,LIBRARY					
Bureau Veritas ID: AKDC42		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Non-homogeneous grey paint/cementitious material	Not Detected		Non-Fibrous
Comment: Inseparable layers					

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0019B WALL,PAINT,ON CONCRETE BLOCK,LOC:8770,LIBRARY					
Bureau Veritas ID: AKDC43		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Non-homogeneous grey paint/cementitious material	Not Detected		Non-Fibrous
Comment: Inseparable layers					

S0019C WALL,PAINT,ON CONCRETE BLOCK,LOC:8770,LIBRARY					
Bureau Veritas ID: AKDC44		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Non-homogeneous grey paint/cementitious material	Not Detected		Non-Fibrous
Comment: Inseparable layers					

S0020A FLOOR,VINYL FLOOR TILE AND MASTIC,12 X 12 GREY WITH DARK GREY AND WHITE FLECKS,LOC:8770,LIBRARY					
Bureau Veritas ID: AKDC45		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0020B FLOOR,VINYL FLOOR TILE AND MASTIC,12 X 12 GREY WITH DARK GREY AND WHITE FLECKS,LOC:8770,LIBRARY					
Bureau Veritas ID: AKDC46		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

S0020C FLOOR,VINYL FLOOR TILE AND MASTIC,12 X 12 GREY WITH DARK GREY AND WHITE FLECKS,LOC:8770,LIBRARY					
Bureau Veritas ID: AKDC47		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0021A FLOOR,VINYL FLOOR TILE AND MASTIC,BEIGE (CONCEALED),LOC:8770,LIBRARY					
Bureau Veritas ID: AKDC48		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos		Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Chrysotile	2%	Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

S0021B FLOOR,VINYL FLOOR TILE AND MASTIC,BEIGE (CONCEALED),LOC:8770,LIBRARY					
Bureau Veritas ID:		AKDC49		Date Analyzed:	2024/12/03
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	95	Homogeneous grey vinyl floor tile	N/A		
	Comment:	Not Analyzed - Positive Stop			
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0021C FLOOR,VINYL FLOOR TILE AND MASTIC,BEIGE (CONCEALED),LOC:8770,LIBRARY					
Bureau Veritas ID: AKDC50		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	N/A		
Comment: Not Analyzed - Positive Stop					
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

S0022A FLOOR,TERRAZZO,WHITE AND BLACK,LOC:8778,CORRIOR					
Bureau Veritas ID: AKDC51		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white/brown terrazzo flooring	Not Detected		Non-Fibrous

S0022B FLOOR,TERRAZZO,WHITE AND BLACK,LOC:8778,CORRIOR					
Bureau Veritas ID: AKDC52		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white/brown terrazzo flooring	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0022C FLOOR,TERRAZZO,WHITE AND BLACK,LOC:8778,CORRIOR						
Bureau Veritas ID:		AKDC53		Date Analyzed: 2024/12/03		
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>		<u>Particulate</u>
Layer 1	100	Homogeneous white/brown terrazzo flooring	Not Detected			Non-Fibrous

S0023A PIPING,PAPER,PAPER ON FIBREGLASS,LOC:8751,SPECIAL EDUCATION CLASSROOM						
Bureau Veritas ID:		AKDC54		Date Analyzed: 2024/12/03		
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>		<u>Particulate</u>
Layer 1	100	Homogeneous white/brown wrap	Not Detected	Cellulose	60%	Non-Fibrous

S0023B PIPING,PAPER,PAPER ON FIBREGLASS,LOC:8751,SPECIAL EDUCATION CLASSROOM						
Bureau Veritas ID:		AKDC55		Date Analyzed: 2024/12/03		
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>		<u>Particulate</u>
Layer 1	100	Homogeneous white/brown wrap	Not Detected	Cellulose	60%	Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0023C PIPING,PAPER,PAPER ON FIBREGLASS,LOC:8751,SPECIAL EDUCATION CLASSROOM						
Bureau Veritas ID:		AKDC56		Date Analyzed:		2024/12/03
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>	
Layer 1	100	Homogeneous white/grey wrap	Not Detected	Cellulose 60%	Non-Fibrous	

S0024A SINK,MASTIC,GREY/GOLD,LOC:8751,SPECIAL EDUCATION CLASSROOM						
Bureau Veritas ID:		AKDC57		Date Analyzed:		2024/12/03
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>	
Layer 1	100	Homogeneous grey mastic	Chrysotile 2%		Non-Fibrous	

S0024B SINK,MASTIC,GREY/GOLD,LOC:8751,SPECIAL EDUCATION CLASSROOM					
Bureau Veritas ID:		AKDC58	Date Analyzed: 2024/12/03		
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
	Comment: Not Analyzed - Positive Stop				

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
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Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0024C SINK,MASTIC,GREY/GOLD,LOC:8751,SPECIAL EDUCATION CLASSROOM					
Bureau Veritas ID: AKDC59		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0025A DUCT,MASTIC,GREY,LOC:8749,RESOURCE ROOM					
Bureau Veritas ID: AKDC60		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey mastic	Not Detected		Non-Fibrous

S0025B DUCT,MASTIC,GREY,LOC:8749,RESOURCE ROOM					
Bureau Veritas ID: AKDC61		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey mastic	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0025C DUCT,MASTIC,GREY,LOC:8749,RESOURCE ROOM					
Bureau Veritas ID: AKDC62		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey mastic	Not Detected		Non-Fibrous

S0026A WALL,PLASTER,LOC:8751,SPECIAL EDUCATION CLASSROOM					
Bureau Veritas ID: AKDC63		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	70	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	30	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0026B WALL,PLASTER,LOC:8751,SPECIAL EDUCATION CLASSROOM					
Bureau Veritas ID: AKDC64		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	20	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	80	Homogeneous grey plaster	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
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Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0026C WALL,PLASTER,LOC:8751,SPECIAL EDUCATION CLASSROOM					
Bureau Veritas ID: AKDC65		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	60	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	40	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0026D WALL,PLASTER,LOC:8749,RESOURCE ROOM					
Bureau Veritas ID: AKDC66		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	60	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	40	Homogeneous grey plaster	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
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Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0026E WALL,PLASTER,LOC:8756,KINDERGARTEN					
Bureau Veritas ID: AKDC67		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0027A WALL,PAINT,TEXTURED ON CONCRETE BLOCK,LOC:8751,SPECIAL EDUCATION CLASSROOM					
Bureau Veritas ID: AKDC68		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey paint	Not Detected		Non-Fibrous

S0027B WALL,PAINT,TEXTURED ON CONCRETE BLOCK,LOC:8751,SPECIAL EDUCATION CLASSROOM					
Bureau Veritas ID: AKDC69		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey paint	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
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Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0027C WALL,PAINT,TEXTURED ON CONCRETE BLOCK,LOC:8751,SPECIAL EDUCATION CLASSROOM					
Bureau Veritas ID: AKDC70		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey paint	Not Detected		Non-Fibrous

S0027D WALL,PAINT,TEXTURED ON CONCRETE BLOCK,LOC:8754,COAT ROOM					
Bureau Veritas ID: AKDC71		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey paint	Not Detected		Non-Fibrous

S0027E WALL,PAINT,TEXTURED ON CONCRETE BLOCK,LOC:8754,COAT ROOM					
Bureau Veritas ID: AKDC72		Date Analyzed: 2024/12/03			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey paint	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0028A FLOOR,VINYL FLOOR TILE AND MASTIC,12 X 12 LIGHT BLUE WITH FLECKS,LOC:8751,SPECIAL EDUCATION CLASSROOM					
Bureau Veritas ID: AKDC73		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous blue vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous yellow/black mastic	Not Detected		Non-Fibrous

S0028B FLOOR,VINYL FLOOR TILE AND MASTIC,12 X 12 LIGHT BLUE WITH FLECKS,LOC:8751,SPECIAL EDUCATION CLASSROOM					
Bureau Veritas ID: AKDC74		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous blue vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous yellow/black mastic	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
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Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0028C FLOOR,VINYL FLOOR TILE AND MASTIC,12 X 12 LIGHT BLUE WITH FLECKS,LOC:8751,SPECIAL EDUCATION CLASSROOM					
Bureau Veritas ID: AKDC75		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous blue vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous yellow/black mastic	Not Detected		Non-Fibrous

S0029A FLOOR,EPOXY,GREY WITH BLUE AND BLACK SPECKS,LOC:8749,RESOURCE ROOM					
Bureau Veritas ID: AKDC76		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey epoxy flooring	Not Detected		Non-Fibrous

S0029B FLOOR,EPOXY,GREY WITH BLUE AND BLACK SPECKS,LOC:8749,RESOURCE ROOM					
Bureau Veritas ID: AKDC77		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey epoxy flooring	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
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Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0029C FLOOR,EPOXY,GREY WITH BLUE AND BLACK SPECKS,LOC:8749,RESOURCE ROOM					
Bureau Veritas ID: AKDC78		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey epoxy flooring	Not Detected		Non-Fibrous

S0030A WALL,DRYWALL AND JOINT COMPOUND,LOC:8756,KINDERGARTEN					
Bureau Veritas ID: AKDC79		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0030B WALL,DRYWALL AND JOINT COMPOUND,LOC:8756,KINDERGARTEN					
Bureau Veritas ID: AKDC80		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0030C WALL, DRYWALL AND JOINT COMPOUND, LOC: 8755, WASHROOM					
Bureau Veritas ID: AKDC81		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0031A FLOOR, VINYL SHEET FLOORING, LIGHT BROWN WITH BLUE PATTERN, LOC: 8754, COAT ROOM					
Bureau Veritas ID: AKDC82		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	90	Homogeneous grey vinyl flooring with cellulose backing	Not Detected	Cellulose 10%	Non-Fibrous
Layer 2	10	Non-homogeneous beige/grey mastic/levelling compound	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0031B FLOOR,VINYL SHEET FLOORING,LIGHT BROWN WITH BLUE PATTERN,LOC:8754,COAT ROOM						
Bureau Veritas ID: AKDC83		Date Analyzed: 2024/12/03				
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	80	Homogeneous grey vinyl flooring with cellulose backing	Not Detected	Cellulose	10%	Non-Fibrous
Layer 2	20	Non-homogeneous beige/grey mastic/levelling compound	Not Detected			Non-Fibrous

S0031C FLOOR,VINYL SHEET FLOORING,LIGHT BROWN WITH BLUE PATTERN,LOC:8755,WASHROOM						
Bureau Veritas ID: AKDC84		Date Analyzed: 2024/12/03				
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	95	Homogeneous grey vinyl flooring with cellulose backing	Not Detected	Cellulose	10%	Non-Fibrous
Layer 2	5	Non-homogeneous beige/grey mastic/levelling compound	Not Detected			Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
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Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0032A FLOOR,VINYL FLOOR TILE AND MASTIC,GREY TILE (CONCEALED),LOC:8756,KINDERGARTEN					
Bureau Veritas ID: AKDC85		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey cementitious material	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

S0032B FLOOR,VINYL FLOOR TILE AND MASTIC,GREY TILE (CONCEALED),LOC:8756,KINDERGARTEN					
Bureau Veritas ID: AKDC86		Date Analyzed: 2024/12/03			
	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey cementitious material	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
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Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0032C FLOOR,VINYL FLOOR TILE AND MASTIC,GREY TILE (CONCEALED),LOC:8756,KINDERGARTEN						
Bureau Veritas ID:		AKDC87		Date Analyzed: 2024/12/03		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	95	Homogeneous grey cementitious material	Not Detected			Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected			Non-Fibrous

S0033A FLOOR,VINYL SHEET FLOORING,GREY WITH BLACK DOTS,LOC:8749,RESOURCE ROOM						
Bureau Veritas ID:		AKDC88		Date Analyzed: 2024/12/03		
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	95	Homogeneous grey vinyl flooring	Not Detected	Fibrous Glass	5%	Non-Fibrous
Layer 2	5	Homogeneous colourless mastic	Not Detected			Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C4AN898
Report Date: 2024/12/03

Pinchin Ltd
Client Project #: 0336572.023
Site Location: MOUNT HOPE ES
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0033B FLOOR,VINYL SHEET FLOORING,GREY WITH BLACK DOTS,LOC:8749,RESOURCE ROOM						
Bureau Veritas ID: AKDC89		Date Analyzed: 2024/12/03				
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	95	Homogeneous grey vinyl flooring	Not Detected	Fibrous Glass	5%	Non-Fibrous
Layer 2	5	Homogeneous colourless mastic	Not Detected			Non-Fibrous

S0033C FLOOR,VINYL SHEET FLOORING,GREY WITH BLACK DOTS,LOC:8749,RESOURCE ROOM						
Bureau Veritas ID: AKDC90		Date Analyzed: 2024/12/03				
	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	95	Homogeneous grey vinyl flooring	Not Detected	Fibrous Glass	5%	Non-Fibrous
Layer 2	5	Homogeneous colourless mastic	Not Detected			Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, “<0.50%”. “Not Detected” indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



**BUREAU
VERITAS**

Bureau Veritas Job #: C4AN898

Report Date: 2024/12/03

Pinchin Ltd

Client Project #: 0336572.023

Site Location: MOUNT HOPE ES

Sampler Initials: AL

GENERAL COMMENTS

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C4AN898

Report Date: 2024/12/03

Pinchin Ltd

Client Project #: 0336572.023

Site Location: MOUNT HOPE ES

Sampler Initials: AL

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Dina Yousif, Analyst 2

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



NONT-2024-11-5682

Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody

Special Instructions:

Client Name:		Project Address:	Mount Hope ES
Portfolio/Building No:		Pinchin File:	0336572.023
Submitted by:	Adam Lazette	Email:	alazette@pinchin.com
CC Results to:	Jessica Cozzitorto	CC Email:	jcozzitorto@pinchin.com
Date Submitted:	November 25 2024	Required by:	December 2 2024
# of Samples:	100	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):			
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		
HMIS2 Building Reference #:	142470/2024101373486604		

To be Completed by Lab Personnel Only:

Lab Reference #:		Time:	N 1:30	24 hour clock
Received by:		Date:	2024/11/27	Month Day Year
Name(s) of Analyst(s):	NOV 26 2024 Sugar SALVANI			

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0001	A	Wall,Door Frame,Caulking,White On Interior Door Frames,Loc:1010,Receiving Area
S	0001	B	Wall,Door Frame,Caulking,White On Interior Door Frames,Loc:1013,Classroom
S	0001	C	Wall,Door Frame,Caulking,White On Interior Door Frames,Loc:8778,Corrior
S	0002	A	Wall,Window,Caulking,Off-white/grey On Interior Windows,Loc:8778,Corrior
S	0002	B	Wall,Window,Caulking,Off-white/grey On Interior Windows,Loc:1013,Classroom
S	0002	C	Wall,Window,Caulking,Off-white/grey On Interior Windows,Loc:1010,Receiving Area
S	0003	A	Structure,Fire Stop,Firestopping (mastic),Blue,Loc:1010,Receiving Area

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0003	B	Structure,Fire Stop,Firestopping (mastic),Blue,Loc:1010,Receiving Area
S	0003	C	Structure,Fire Stop,Firestopping (mastic),Blue,Loc:1010,Receiving Area
S	0004	A	Structure,Fire Stop,Firestopping (mastic),Red,Loc:8741,Corridor
S	0004	B	Structure,Fire Stop,Firestopping (mastic),Red,Loc:8741,Corridor
S	0004	C	Structure,Fire Stop,Firestopping (mastic),Red,Loc:8741,Corridor
S	0005	A	Floor,Epoxy,White/dark Grey And Light Grey,Loc:1010,Receiving Area
S	0005	B	Floor,Epoxy,White/dark Grey And Light Grey,Loc:1012,Corridor
S	0005	C	Floor,Epoxy,White/dark Grey And Light Grey,Loc:8778,Corrior
S	0006	A	Floor,Vinyl Floor Tile And Mastic,12 X 12 Light Brown With White/dark Brown Flecks,Loc:8732,Stairwell
S	0006	B	Floor,Vinyl Floor Tile And Mastic,12 X 12 Light Brown With White/dark Brown Flecks,Loc:8732,Stairwell
S	0006	C	Floor,Vinyl Floor Tile And Mastic,12 X 12 Light Brown With White/dark Brown Flecks,Loc:8777,Stairwell
S	0007	A	Wall,Window,Caulking,Grey On Exterior Door Frames And Windows,Loc:1002,Exterior
S	0007	B	Wall,Window,Caulking,Grey On Exterior Door Frames And Windows,Loc:1002,Exterior
S	0007	C	Wall,Door Frame,Caulking,Grey On Exterior Door Frames And Windows,Loc:1002,Exterior
S	0008	A	Floor,Terrazzo,Light Orange,Loc:8732,Stairwell
S	0008	B	Floor,Terrazzo,Light Orange,Loc:8732,Stairwell

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0008	C	Floor,Terrazzo,Light Orange,Loc:8732,Stairwell
S	0009	A	Wall,Paint,On Concrete Block,Loc:8732,Stairwell
S	0009	B	Wall,Paint,On Concrete Block,Loc:8777,Stairwell
S	0009	C	Wall,Paint,On Concrete Block,Loc:8778,Corrior
S	0010	A	Structure,Fire Stop,Firestopping (mastic),Grey,Loc:1003,Custodial Area
S	0010	B	Structure,Fire Stop,Firestopping (mastic),Grey,Loc:1003,Custodial Area
S	0010	C	Structure,Fire Stop,Firestopping (mastic),Grey,Loc:1003,Custodial Area
S	0011	A	Roof,Tar Paper,Loc:1000,Roof
S	0011	B	Roof,Tar Paper,Loc:1000,Roof
S	0011	C	Roof,Tar Paper,Loc:1000,Roof
S	0012	A	Wall,Paint,Exterior Masonry,Loc:1000,Roof
S	0012	B	Wall,Paint,Exterior Masonry,Loc:1000,Roof
S	0012	C	Wall,Paint,Exterior Masonry,Loc:1002,Exterior
S	0013	A	Wall,Expansion Joint,Caulking,Brown On Expansion Joints,Loc:1000,Roof
S	0013	B	Wall,Expansion Joint,Caulking,Brown On Expansion Joints,Loc:1000,Roof
S	0013	C	Wall,Expansion Joint,Caulking,Brown On Expansion Joints,Loc:1000,Roof

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0014	A	Wall,Flashing,Caulking,Light Grey On Metal Roof Flashing,Loc:1000,Roof
S	0014	B	Wall,Flashing,Caulking,Light Grey On Metal Roof Flashing,Loc:1000,Roof
S	0014	C	Wall,Flashing,Caulking,Light Grey On Metal Roof Flashing,Loc:1000,Roof
S	0015	A	Wall,Flashing,Caulking,Dark Grey/blue On Metal Roof Flashing,Loc:1000,Roof
S	0015	B	Wall,Flashing,Caulking,Dark Grey/blue On Metal Roof Flashing,Loc:1000,Roof
S	0015	C	Wall,Flashing,Caulking,Dark Grey/blue On Metal Roof Flashing,Loc:1001,Canopy
S	0016	A	Wall,Window,Caulking,Light Grey On Exterior Door Frame And Window,Loc:1000,Roof
S	0016	B	Wall,Window,Caulking,Light Grey On Exterior Door Frame And Window,Loc:1000,Roof
S	0016	C	Wall,Door Frame,Caulking,Light Grey On Exterior Door Frame And Window,Loc:1000,Roof
S	0018	A	Floor,Vinyl Floor Tile And Mastic,9 X 9 Beige With Streaks And Green,Loc:8770,Library
S	0018	B	Floor,Vinyl Floor Tile And Mastic,9 X 9 Beige With Streaks And Green,Loc:8770,Library
S	0018	C	Floor,Vinyl Floor Tile And Mastic,9 X 9 Beige With Streaks And Green,Loc:8770,Library
S	0019	A	Wall,Paint,On Concrete Block,Loc:8770,Library
S	0019	B	Wall,Paint,On Concrete Block,Loc:8770,Library
S	0019	C	Wall,Paint,On Concrete Block,Loc:8770,Library
S	0020	A	Floor,Vinyl Floor Tile And Mastic,12 X 12 Grey With Dark Grey And White Flecks,Loc:8770,Library

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0020	B	Floor,Vinyl Floor Tile And Mastic,12 X 12 Grey With Dark Grey And White Flecks,Loc:8770,Library
S	0020	C	Floor,Vinyl Floor Tile And Mastic,12 X 12 Grey With Dark Grey And White Flecks,Loc:8770,Library
S	0021	A	Floor,Vinyl Floor Tile And Mastic,Beige (concealed),Loc:8770,Library
S	0021	B	Floor,Vinyl Floor Tile And Mastic,Beige (concealed),Loc:8770,Library
S	0021	C	Floor,Vinyl Floor Tile And Mastic,Beige (concealed),Loc:8770,Library
S	0022	A	Floor,Terrazzo,White And Black,Loc:8778,Corrior
S	0022	B	Floor,Terrazzo,White And Black,Loc:8778,Corrior
S	0022	C	Floor,Terrazzo,White And Black,Loc:8778,Corrior
S	0023	A	Piping,Paper,Paper On Fibreglass,Loc:8751,Special Education Classroom
S	0023	B	Piping,Paper,Paper On Fibreglass,Loc:8751,Special Education Classroom
S	0023	C	Piping,Paper,Paper On Fibreglass,Loc:8751,Special Education Classroom
S	0024	A	Sink,Mastic,Grey/gold,Loc:8751,Special Education Classroom
S	0024	B	Sink,Mastic,Grey/gold,Loc:8751,Special Education Classroom
S	0024	C	Sink,Mastic,Grey/gold,Loc:8751,Special Education Classroom
S	0025	A	Duct,Mastic,Grey,Loc:8749,Resource Room
S	0025	B	Duct,Mastic,Grey,Loc:8749,Resource Room

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0025	C	Duct,Mastic,Grey,Loc:8749,Resource Room
S	0026	A	Wall,Plaster,Loc:8751,Special Education Classroom
S	0026	B	Wall,Plaster,Loc:8751,Special Education Classroom
S	0026	C	Wall,Plaster,Loc:8751,Special Education Classroom
S	0026	D	Wall,Plaster,Loc:8749,Resource Room
S	0026	E	Wall,Plaster,Loc:8756,Kindergarten
S	0027	A	Wall,Paint,Textured On Concrete Block,Loc:8751,Special Education Classroom
S	0027	B	Wall,Paint,Textured On Concrete Block,Loc:8751,Special Education Classroom
S	0027	C	Wall,Paint,Textured On Concrete Block,Loc:8751,Special Education Classroom
S	0027	D	Wall,Paint,Textured On Concrete Block,Loc:8754,Coat Room
S	0027	E	Wall,Paint,Textured On Concrete Block,Loc:8754,Coat Room
S	0028	A	Floor,Vinyl Floor Tile And Mastic,12 X 12 Light Blue With Flecks,Loc:8751,Special Education Classroom
S	0028	B	Floor,Vinyl Floor Tile And Mastic,12 X 12 Light Blue With Flecks,Loc:8751,Special Education Classroom
S	0028	C	Floor,Vinyl Floor Tile And Mastic,12 X 12 Light Blue With Flecks,Loc:8751,Special Education Classroom
S	0029	A	Floor,Epoxy,Grey With Blue And Black Specks,Loc:8749,Resource Room
S	0029	B	Floor,Epoxy,Grey With Blue And Black Specks,Loc:8749,Resource Room

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0029	C	Floor,Epoxy,Grey With Blue And Black Specks,Loc:8749,Resource Room
S	0030	A	Wall,Drywall And Joint Compound,Loc:8756,Kindergarten
S	0030	B	Wall,Drywall And Joint Compound,Loc:8756,Kindergarten
S	0030	C	Wall,Drywall And Joint Compound,Loc:8755,Washroom
S	0031	A	Floor,Vinyl Sheet Flooring,Light Brown With Blue Pattern,Loc:8754,Coat Room
S	0031	B	Floor,Vinyl Sheet Flooring,Light Brown With Blue Pattern,Loc:8754,Coat Room
S	0031	C	Floor,Vinyl Sheet Flooring,Light Brown With Blue Pattern,Loc:8755,Washroom
S	0032	A	Floor,Vinyl Floor Tile And Mastic,Grey Tile (concealed),Loc:8756,Kindergarten
S	0032	B	Floor,Vinyl Floor Tile And Mastic,Grey Tile (concealed),Loc:8756,Kindergarten
S	0032	C	Floor,Vinyl Floor Tile And Mastic,Grey Tile (concealed),Loc:8756,Kindergarten
S	0033	A	Floor,Vinyl Sheet Flooring,Grey With Black Dots,Loc:8749,Resource Room
S	0033	B	Floor,Vinyl Sheet Flooring,Grey With Black Dots,Loc:8749,Resource Room
S	0033	C	Floor,Vinyl Sheet Flooring,Grey With Black Dots,Loc:8749,Resource Room

APPENDIX II-B
Lead Analytical Certificates



Your Project #: 0336572.023
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

Pinchin Ltd
151 York Boulevard
Suite 200
Hamilton, ON
CANADA L8R 3M2

Report Date: 2024/12/05
Report #: R8432535
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4AN961

Received: 2024/11/27, 11:30

Sample Matrix: Solid
Samples Received: 15

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
Metals in Paint	1	2024/11/28	2024/11/29	CAM SOP-00408	EPA 6010D m
Metals in Paint	1	2024/11/29	2024/11/29	CAM SOP-00408	EPA 6010D m
Metals in Paint	13	2024/12/03	2024/12/04	CAM SOP-00408	EPA 6010D m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your Project #: 0336572.023
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

Pinchin Ltd
151 York Boulevard
Suite 200
Hamilton, ON
CANADA L8R 3M2

Report Date: 2024/12/05
Report #: R8432535
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4AN961

Received: 2024/11/27, 11:30

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:

Nilushi Mahathantila, Project Manager

Email: Nilushi.Mahathantila@bureauveritas.com

Phone# (905) 817-5700

=====

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ELEMENTS BY ATOMIC SPECTROSCOPY (SOLID)

Bureau Veritas ID		AKDI55		AKDI56		AKDI57		
Sampling Date		2024/11/13 17:00		2024/11/13 17:00		2024/11/13 17:00		
COC Number		N/A		N/A		N/A		
	UNITS	L0001, WHITE ON CONCRETE BLOCK (2016), LOC:1010, RECEIVING AREA	RDL	L0002, RED PRIMER ON STRUCTURAL STEEL, LOC:1010, RECEIVING AREA	RDL	L0003, WHITE ON CONCRETE BLOCK, LOC:8777, STAIRWELL	RDL	QC Batch

Metals								
Lead (Pb)	%	0.00038	0.00036	<0.0014	0.0014	0.024	0.0012	9802254
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								

Bureau Veritas ID		AKDI58			AKDI59	AKDI59		
Sampling Date		2024/11/13 17:00			2024/11/13 17:00	2024/11/13 17:00		
COC Number		N/A			N/A	N/A		
	UNITS	L0004, BLUE ON METAL ROOF FLASHING, LOC:1000, ROOF	RDL	QC Batch	L0005, OFF-WHITE ON EXTERIOR MASONRY, LOC:1000, ROOF	L0005, OFF-WHITE ON EXTERIOR MASONRY, LOC:1000, ROOF Lab-Dup	RDL	QC Batch

Metals								
Lead (Pb)	%	<0.0020	0.0020	9802254	0.00080	0.00083	0.00010	9794475
RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate								



ELEMENTS BY ATOMIC SPECTROSCOPY (SOLID)

Bureau Veritas ID		AKDI60		AKDI61		AKDI62		
Sampling Date		2024/11/13 17:00		2024/11/13 17:00		2024/11/13 17:00		
COC Number		N/A		N/A		N/A		
	UNITS	L0006, WHITE ON METAL DOOR AND DOOR FRAME, LOC:1000, ROOF	RDL	L0007, LIGHT PINK ON CONCRETE BLOCK, LOC:8770, LIBRARY	RDL	L0008, WHITE ON METAL FRAME, LOC:8770, LIBRARY	RDL	QC Batch

Metals

Lead (Pb)	%	<0.0019	0.0019	0.037	0.00056	0.061	0.0020	9802254
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RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Bureau Veritas ID		AKDI63		AKDI64		AKDI65		
Sampling Date		2024/11/13 17:00		2024/11/13 17:00		2024/11/13 17:00		
COC Number		N/A		N/A		N/A		
	UNITS	L0009, WHITE/LIGHT GREEN ON PLASTER, LOC:8751, SPECIAL EDUCATION CLASS	RDL	L0010, LIGHT BROWN ON PLASTER, LOC:8756, KINDERGARTEN	RDL	L0011, DARK GREEN ON WOOD, LOC:8751, SPECIAL EDUCATION CLASS	RDL	QC Batch

Metals

Lead (Pb)	%	0.11	0.0012	0.023	0.00064	0.0040	0.0019	9802254
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RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



ELEMENTS BY ATOMIC SPECTROSCOPY (SOLID)

Bureau Veritas ID		AKDI66			AKDI67	AKDI67		
Sampling Date		2024/11/13 17:00			2024/11/13 17:00	2024/11/13 17:00		
COC Number		N/A			N/A	N/A		
	UNITS	L0012, WHITE ON TEXTURED CONCRETE BLOCK, LOC:8751, SPECIAL EDUCATION CLASS	RDL	QC Batch	L0013, BEIGE ON PLASTER, LOC:8749,RESOURCE ROOM	L0013, BEIGE ON PLASTER, LOC:8749,RESOURCE ROOM Lab-Dup	RDL	QC Batch

Metals

Lead (Pb)	%	0.026	0.00039	9802254	0.23	0.20	0.0010	9796142
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RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas ID		AKDI68		AKDI69		
Sampling Date		2024/11/13 17:00		2024/11/13 17:00		
COC Number		N/A		N/A		
	UNITS	L0014, BEIGE ON WOOD, LOC:8749, RESOURCE ROOM	RDL	L0015, WHITE/LIGHT BROWN ON DRYWALL, LOC:8756, KINDERGARTEN	RDL	QC Batch

Metals

Lead (Pb)	%	0.0033	0.0019	<0.0014	0.0014	9802254
-----------	---	--------	--------	---------	--------	---------

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch



BUREAU
VERITAS

Bureau Veritas Job #: C4AN961

Report Date: 2024/12/05

Pinchin Ltd

Client Project #: 0336572.023

Sampler Initials: AL

GENERAL COMMENTS

Metals Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Sample AKDI67 [L0013, BEIGE ON PLASTER, LOC:8749,RESOURCE ROOM] : Metals Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9794475	JGC	Matrix Spike [AKDI59-01]	Lead (Pb)	2024/11/29		92	%	75 - 125
9794475	JGC	QC Standard	Lead (Pb)	2024/11/29		105	%	75 - 125
9794475	JGC	Method Blank	Lead (Pb)	2024/11/29	<0.00010		%	
9794475	JGC	RPD [AKDI59-01]	Lead (Pb)	2024/11/29	3.8		%	35
9796142	JGC	Matrix Spike [AKDI67-01]	Lead (Pb)	2024/11/29		NC (1)	%	75 - 125
9796142	JGC	QC Standard	Lead (Pb)	2024/11/29		103	%	75 - 125
9796142	JGC	Method Blank	Lead (Pb)	2024/11/29	<0.00010		%	
9796142	JGC	RPD [AKDI67-01]	Lead (Pb)	2024/11/29	16		%	35
9802254	TLG	Matrix Spike	Lead (Pb)	2024/12/04		290 (2)	%	75 - 125
9802254	TLG	QC Standard	Lead (Pb)	2024/12/04		103	%	75 - 125
9802254	TLG	Method Blank	Lead (Pb)	2024/12/04	<0.00010		%	
9802254	TLG	RPD	Lead (Pb)	2024/12/04	19		%	35

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

(1) Matrix Spike not calculated. Original sample and matrix spike sample were analyzed at a dilution, due to high target analytes, or sample matrix interference

(2) Matrix Spike exceeds acceptance limits, probable matrix interference



BUREAU
VERITAS

Bureau Veritas Job #: C4AN961

Report Date: 2024/12/05

Pinchin Ltd

Client Project #: 0336572.023

Sampler Initials: AL

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Louise Harding, Scientific Specialist

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6740 Campobello Road, Mississauga, Ontario L5N 2L8
Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
CAM FCD-01191/6

CHAIN OF CUSTODY RECORD

Page ____ of ____

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required		
Company Name: Pinchin Ltd.		Company Name:		Quotation #:		<input checked="" type="checkbox"/> Regular TAT (5-7 days) Most analyses		
Contact Name: Adam Lazette / Jessica Cozzitorto		Contact Name:		P.O. #/ AFE#:		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS		
Address: 151 York Blvd., Suite 200		Address:		Project #: 0336572.023		Rush TAT (Surcharges will be applied)		
Hamilton, Ontario				Site Location:		<input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3-4 Days		
Phone: 613.449.0399 Fax:		Phone: Fax:		Site #:		Date Required: December 2 2024		
Email: alazette@pinchin.com / jcozzitorto@pinchin.com		Email:		Site Location Province: ON		Rush Confirmation #:		
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY								
Regulation 153		Other Regulations		Analysis Requested		LABORATORY USE ONLY		
<input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/ Fine		<input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw		# OF CONTAINERS SUBMITTED FIELD FILTERED (CIRCLE) Metals / Hg / Cr(VI) BTEX/ PHEC 1 PHCs P2 P4 VOCs REG 153 METALS & INORGANICS REG 153 ICPMS METALS REG 153 METALS (Pb, Cr VI, ICPMS Metals, HWS B) Lead (Pb) in Paints PCBs		CUSTODY SEAL Y / N		
<input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse		<input type="checkbox"/> MISA <input type="checkbox"/> Storm Sewer Bylaw				Present Intact		
<input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/ Other		<input type="checkbox"/> PWQO <input type="checkbox"/> Region				COOLER TEMPERATURES 15 / 15		
<input type="checkbox"/> Table _____		<input type="checkbox"/> Other (Specify)						
FOR RSC (PLEASE CIRCLE) Y / N		<input type="checkbox"/> REG 558 (MIN. 3 DAY TAT REQUIRED)						
Include Criteria on Certificate of Analysis: Y / N		<input type="checkbox"/> REG 406 Table _____		COOLING MEDIA PRESENT: Y / N		COMMENTS		
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS								
SAMPLE IDENTIFICATION		DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH-MM)	MATRIX				
L0001, White On Concrete Block (2016), Loc:1010, Receiving		2024-11-13	17:00	BULK				
L0002, Red Primer On Structural Steel, Loc:1010, Receiving A		2024-11-13	17:00	BULK				
L0003, White On Concrete Block, Loc:8777, Stairwell		2024-11-13	17:00	BULK				
L0004, Blue On Metal Roof Flashing, Loc:1000, Roof		2024-11-13	17:00	BULK				
L0005, Off-white On Exterior Masonry, Loc:1000, Roof		2024-11-13	17:00	BULK				
L0006, White On Metal Door And Door Frame, Loc:1000, Roo		2024-11-13	17:00	BULK				
L0007, Light Pink On Concrete Block, Loc:8770, Library		2024-11-13	17:00	BULK				
L0008, White On Metal Frame, Loc:8770, Library		2024-11-13	17:00	BULK				
L0009, White/light Green On Plaster, Loc:8751, Special Educa		2024-11-13	17:00	BULK				
L0010, Light Brown On Plaster, Loc:8756, Kindergarten		2024-11-13	17:00	BULK				
L0011, Dark Green On Wood, Loc:8751, Special Education Cla		2024-11-13	17:00	BULK				
L0012, White On Textured Concrete Block, Loc:8751, Special		2024-11-13	17:00	BULK				
L0013, Beige On Plaster, Loc:8749, Resource Room		2024-11-13	17:00	BULK				
L0014, Beige On Wood, Loc:8749, Resource Room		2024-11-13	17:00	BULK				
L0015, White/light Brown On Drywall, Loc:8756, Kindergarte		2024-11-13	17:00	BULK				
RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH-MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH-MM)	BV JOB #		
<i>A. Lazette</i>	2024/11/25	9:00	<i>SUGAR SHUKLA</i>	2024/11/27	11:30			



NONT-2024-11-5679

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at <https://www.bvna.com/coc-terms-and-conditions>



Your Project #: 336572.023
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

Pinchin Ltd
151 York Boulevard
Suite 200
Hamilton, ON
CANADA L8R 3M2

Report Date: 2025/06/24
Report #: R8563681
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C574156

Received: 2025/06/18, 14:38

Sample Matrix: Solid
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Metals in Paint	3	2025/06/24	2025/06/24	CAM SOP-00408	EPA 6010D m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your Project #: 336572.023
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

Pinchin Ltd
151 York Boulevard
Suite 200
Hamilton, ON
CANADA L8R 3M2

Report Date: 2025/06/24
Report #: R8563681
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C574156

Received: 2025/06/18, 14:38

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:

Nilushi Mahathantila, Project Manager

Email: Nilushi.Mahathantila@bureauveritas.com

Phone# (905) 817-5700

=====

This report has been generated and distributed using a secure automated process.

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C574156

Report Date: 2025/06/24

Pinchin Ltd

Client Project #: 336572.023

Sampler Initials: JA

ELEMENTS BY ATOMIC SPECTROSCOPY (SOLID)

Bureau Veritas ID		ASF114		ASF115		ASF116		
Sampling Date		2025/06/16 16:00		2025/06/16 16:00		2025/06/16 16:00		
COC Number		N/A		N/A		N/A		
	UNITS	L0016, WALL, MASONRY, GREEN ON CONCRETE, LOC:8747, MECHANICAL	RDL	L0017, STRUCTURE, METAL, RED PRIMER ON STRUCTURAL STEEL, LOC	RDL	L0018, FLOOR, CONCRETE (POURED), GREY ON CONCRETE, LOC:8747	RDL	QC Batch
Metals								
Lead (Pb)	%	0.056	0.00010	0.11	0.0010	0.0090	0.00010	9956400
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



BUREAU
VERITAS

Bureau Veritas Job #: C574156

Report Date: 2025/06/24

Pinchin Ltd

Client Project #: 336572.023

Sampler Initials: JA

GENERAL COMMENTS

Sample ASFI15 [L0017, STRUCTURE, METAL, RED PRIMER ON STRUCTURAL STEEL, LOC] : Metals Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9956400	ANF	Matrix Spike	Lead (Pb)	2025/06/24		84	%	75 - 125
9956400	ANF	QC Standard	Lead (Pb)	2025/06/24		97	%	75 - 125
9956400	ANF	Method Blank	Lead (Pb)	2025/06/24	<0.00010		%	
9956400	ANF	RPD	Lead (Pb)	2025/06/24	1.8		%	35

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.



BUREAU
VERITAS

Bureau Veritas Job #: C574156

Report Date: 2025/06/24

Pinchin Ltd

Client Project #: 336572.023

Sampler Initials: JA

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere, Senior Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.



6740 Campobello Road, Mississauga, Ontario L5N 2L8
Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
CAM FCD-01191/6



NONT-2025-06-4038

CHAIN OF CUSTODY RECORD

Page ____ of ____

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required								
Company Name: Pinchin Ltd.		Company Name: _____		Quotation #: _____		<input checked="" type="checkbox"/> Regular TAT (5-7 days) Most analyses								
Contact Name: Justin Appleby / Jessica Cozzitorto		Contact Name: _____		P.O. #/ AFE#: _____		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS								
Address: _____		Address: _____		Project #: 336572.023		Rush TAT (Surcharges will be applied)								
Phone: _____ Fax: _____		Phone: _____ Fax: _____		Site Location: _____		<input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3-4 Days								
Email: jappleby@pinchin.com / jcozzitorto@pinchin.com		Email: _____		Site #: _____		Date Required: June 25 2025								
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY				Site Location Province: _____ ON		Rush Confirmation #: _____								
Sampled By: Justin Appleby														
Regulation 153		Other Regulations		Analysis Requested		LABORATORY USE ONLY								
<input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/ Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/ Other <input type="checkbox"/> Table _____ FOR RSC (PLEASE CIRCLE) Y / N		<input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw <input type="checkbox"/> MISA <input type="checkbox"/> Storm Sewer Bylaw <input type="checkbox"/> PWQO <input type="checkbox"/> Region _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> REG 558 (MIN. 3 DAY TAT REQUIRED) <input type="checkbox"/> REG 406 Table _____		Analysis Requested REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B) Lead (Pb) in Paints PCBs REG 153 ICPMS METALS REG 153 METALS BTEX/PHC F1 PHCs F2 - F4 VOCs REG 153 METALS & INORGANICS FIELD FILTERED (CIRCLE) Metals / Hg / Cr VI # OF CONTAINERS SUBMITTED		CUSTODY SEAL Y / N Present Intact COOLER TEMPERATURES COOLING MEDIA PRESENT: Y / N COMMENTS								
Include Criteria on Certificate of Analysis: Y / N		SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS												
SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / Cr VI	BTEX/PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	Lead (Pb) in Paints	PCBs	HOLD - DO NOT ANALYZE
L0016, Wall, Masonry, Green On Concrete, Loc: 8747, Mechan	(2025/06/16)	4:00PM	BULK									X		
L0017, Structure, Metal, Red Primer On Structural Steel, Loc: 8747	(2025/06/16)	4:00PM	BULK									X		
L0018, Floor, Concrete (poured), Grey On Concrete, Loc: 8747	(2025/06/16)	4:00PM	BULK									X		
RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #								
<i>Justin Appleby</i>	2025/06/17		<i>Justin Appleby</i>	2025/06/18	14:38									

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at <https://www.bvna.com/coc-terms-and-conditions>

APPENDIX II-C
PCB Analytical Certificates

Certificate of Analysis

Adam Lazette

Pinchin Ltd. (Hamilton)
151 York Blvd., Suite 200, Hamilton, ON L8R 3L4

Date of Issue: Dec 04, 2024

Report Description: 1 solid sample was submitted for the following chemical analysis**Project Name:****Project No.:** 336572.023**Site Location:****Date Sampled:****Date Tested:** Dec 03, 2024**Sampled by:** Adam L**Report Number: 24-1563**

No.	Analyte	Result	Units	MDL	Comments	Technique / Test Method
1	Sample ID.: P0001 Caulking, Various On Roof (Composite), Loc:1000, Roof					
	PCBs in Solid	<0.2	mg/Kg	0.2		LAB-M06 (EPA 3550C/8082A modified)

Results apply to the sample(s) as received.

Approved By:

Son C.H. Le, (Chem.)

Lab Manager

Phone: (519) 740-1333 Ext.: 1030

Fax: (519) 740-2320

Email: SonLe@aevitas.ca

The Analytical Chemistry Laboratory of Aevitas Inc. (Ayr) is accredited for specific tests in accordance with the recognized International Standard ISO/IEC 17025:2017, by the Canadian Association for Laboratory Accreditation (CALA) Inc. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017). The laboratory quality management system of Aevitas Inc. (Ayr) also operates in accordance with the principles of ISO 9001.

All Analytical data is subject to uncertainty which, may vary with sample matrices, sample preparation techniques and instrumental parameters. As a general guideline, uncertainty may be expressed as approximately +/- 50% of the reported value at or near the Method Detection Limit (MDL) and +/-10% or less, of the reported result that is greater than 10 times the MDL. Method Detection Limits are defined as approximately 3 times the standard deviation value (at 99% confidence level), which is obtained from replicate analysis of a low-level standard as per the Ontario MOE - MISA Protocol for the Sampling and Analysis of Industrial / Municipal Wastewater (2016). MDL determination is based on undiluted samples with relatively low matrix interferences. Where dilutions are required, the reported MDL value will be scaled proportionally.

All testing procedures follow strict guidelines and quality assurance / quality control (QA/QC) protocols. QA/QC data is available for review at any time upon client's request.

APPENDIX III
Methodology



1.0 GENERAL

An inspection was conducted to identify the type of Hazardous Building Materials incorporated in the structure and its finishes.

Information regarding the location and condition of hazardous building materials encountered and visually estimated quantities were recorded. The locations of any samples collected were recorded on small-scale plans. As-built drawings and previous reports were referenced where provided.

Sample collection was conducted in accordance with our Standard Operating Procedures.

1.1 Asbestos

The inspection for asbestos included friable and non-friable asbestos-containing materials (ACM). A friable material is a material that when dry can be crumbled, pulverized or powdered by hand pressure.

A separate set of samples was collected of each type of homogenous material suspected to contain asbestos. A homogenous material is defined by the US EPA as material that is uniform in texture and appearance, was installed at one time, and is unlikely to consist of more than one type or formulation of material. The homogeneous materials were determined by visual examination and available information on the phases of construction and prior renovations.

Samples were collected at a rate that is in compliance with the requirements of local regulations and guidelines. The sampling strategy was also based on known ban dates and phase out dates of the use of asbestos; sampling of certain building materials is not conducted after specific construction dates. In addition, to be conservative, several years past these dates are added to account for some uncertainty in the exact start / finish date of construction and associated usage of ACM. In some cases, manufactured products such as asbestos cement pipe were visually identified without sample confirmation.

The asbestos analysis was completed using a stop-positive approach. Only one result meeting the regulated criteria was required to determine that a material is asbestos-containing, but all samples must be analyzed to conclusively determine that a material is non-asbestos. The laboratory stopped analyzing samples from a homogeneous material once a result equal to or greater than the regulated criteria is detected in any of the samples of that material. All samples of a homogeneous material were analyzed if no asbestos is detected. In some cases, all samples were analyzed in the sample set regardless of result.

The analysis was performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.

Analytical results were compared to the following criteria.

Jurisdiction*	Friable	Non-Friable
BC	0.5% ¹	0.5%
Alberta	Any Amount ²	Any Amount ²
Saskatchewan	>0.5% ¹	>1%
Manitoba	0.1% ¹	1%
Ontario	0.5%	0.5%
Nova Scotia	0.5% ¹	0.5%
New Brunswick, Prince Edward Island, Newfound and Labrador	1%	1%
Yukon, Nunavut, Northwest Territories	1%	1%
Federal	1%	1%

* If there is a conflict between federal and provincial criteria, the more stringent will apply.

Where building materials are described in the report as “non-asbestos” or “does not contain asbestos”, this means that either no asbestos was detected by the analytical method utilized in any of the multiple samples or, if detected, it is below the lower limit of an asbestos-containing material in the applicable regulation. Additionally, these terms are used for materials which historically are known to not include asbestos in their manufacturing.

1.2 Lead

Samples of distinctive paint finishes, and surface coatings present in more than a limited application, where removal of the paint is possible was collected. The samples were collected by scraping the painted finish to include base and covering applications.

Analysis for lead in paints or surface coatings was performed in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption.

Analytical results were compared to the following criteria.

Jurisdiction*	Units (%)	Units (ppm) / (mg/kg)
BC	None	None
Alberta	0.009	90
Saskatchewan	0.009	90

¹ Or any amount if vermiculite

² The Government of Alberta in their guideline document entitled the “Alberta Asbestos Abatement Manual” (August 2019), defines an Asbestos-Containing Material as a product or building material that contains asbestos in any quantity or percentage.

Manitoba	0.009	90
Ontario	0.1	1000
Nova Scotia	0.009	90
New Brunswick	0.009	90
Prince Edward Island	0.009	90
Newfoundland	0.009	90
Yukon	0.009	90
Nunavut, Northwest Territories	0.1	1000
Federal	0.009	90

* If there is a conflict between federal and provincial criteria, the more stringent will apply.

Other lead building products (e.g. batteries, lead sheeting, flashing) were identified by visual observation only.

1.3 Silica

Building materials known to contain crystalline silica (e.g. concrete, cement, tile, brick, masonry, mortar) were identified by visual inspection only. Pinchin did not perform sampling of these materials for laboratory analysis of crystalline silica content.

1.4 Mercury

Building materials, products or equipment (e.g. thermostats, barometers, pressure gauges, lamp tubes), suspected to contain mercury was identified by visually inspection only. Dismantling of equipment suspected of containing mercury was not performed. Sampling of these materials for laboratory analysis of mercury content was not performed.

1.5 Polychlorinated Biphenyls

The potential for light ballast and oil filled transformers to contain PCBs was based on the age of the building, a review of maintenance records and examination of labels or nameplates on equipment, where present and accessible. The information was compared to known ban dates of PCBs and Environment Canada publications.

Dry type transformers were presumed to be free of dielectric fluids and hence non-PCB.

Fluids (mineral oil, hydraulic, Aroclor or Askarel) in transformers or other equipment were not sampled for PCB content.



1.6 Visible Mould

The presence of mould or water damage was determined by visual inspection of exposed building surfaces. If any mould growth or water damage was concealed within building cavities it was not addressed in this assessment.

Template: Methodology for Hazardous Building Materials Assessment, HAZ, January 26, 2023

APPENDIX IV
Location Summary Report

Client:Hamilton-Wentworth District School Board

Site: 9149 Airport Road, Mount Hope, ON

Building Name: Mount Hope Elementary School

Survey Date:

Last Re-Assessment:

Building Phases: A: 1952 Original

Location No.	Name or Description	Area ft ²	Floor No.	Bldg. Phase	Notes
1000	Roof	3500	2	D	
1001	Canopy	500	2	A	
1002	Exterior	0	1	A	
1003	Custodial Area, room no. 211	200	2	D	
1010	Receiving Area, room no. 142	1500	1	D	Includes caretaker office 142A
1011	Gymnasium Storage, room no. 103A	1500	1	D	
1012	Corridor, room no. 144	600	1	D	
1013	Classroom, room no. 143	1000	1	D	
1014	Sprinkler Room, room no. 146	150	1	D	
8731	Storage, room no. 139	150	1	A	
8732	Stairwell, room no. E1	300	1	A	
8741	Corridor, room no. 106	0	1	A	Phase A and D
8747	Mechanical Room, room no. 133	750	1	A	No access to tunnels (confined space).
8748	Storage, room no. 133A/133B	80	1	A	
8749	Resource Room, room no. 132-A	300	1	A	
8751	Special Education Classroom, room no. 131	1000	1	A	
8754	Coat Room, room no. 126B	200	1	A	Includes custodial area 127
8755	Washroom, room no. 126A	100	1	A	
8756	Kindergarten, room no. 126	1000	1	A	
8764	Corridor, room no. 118	500	1	A	Assessed portion only
8770	Library, room no. 210-A	1500	2	A	
8777	Stairwell, room no. E2	300	2	A	
8778	Corrior, room no. 201	600	2	A	Assessed portion only

APPENDIX V

Hazardous Materials Summary Report / Sample Log

Client:Hamilton-Wentworth District School Board

Site: 9149 Airport Road, Mount Hope, ON

Building Name: Mount Hope Elementary School

Survey Date:

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0001 ABC	Wall Door Frame Caulking White On Interior Door Frames	1010,1011,1012,1013,1014,8741,8778	A,D	235	0	0	0	None Detected	No	
Asbestos	S0002 ABC	Wall Window, Door Frame Caulking Off-white/grey On Interior Windows	1003,1010,1013,8778	A,D	110	0	0	0	None Detected	No	
Asbestos	S0003 ABC	Structure Fire Stop Firestopping (mastic) Blue	1010	D	150	0	0	0	None Detected	No	
Asbestos	S0004 ABC	Structure Fire Stop Firestopping (mastic) Red	1011,8741	A,D	115	0	0	0	None Detected	No	
Asbestos	S0005 ABC	Floor Epoxy White/dark Grey And Light Grey	1003,1010,1011,1012,1013,8741,8777,8778	A,D	0	5900	0	0	None Detected	No	
Asbestos	S0006 ABC	Floor Vinyl Floor Tile And Mastic 12 X 12 Light Brown With White/dark Brown Flecks	8732,8777	A	0	200	0	0	None Detected	No	
Asbestos	S0007 ABC	Wall, Ceiling Window, Door Frame Caulking Grey On Exterior Door Frames And Windows	1002,8749	A	170	500	0	0	None Detected	No	
Asbestos	S0008 ABC	Floor Terrazzo Light Orange	8732,8741,8754,8764	A	0	750	0	0	None Detected	No	
Asbestos	S0009 ABC	Wall Paint On Concrete Block	8732,8777,8778	A	0	1800	0	0	Chrysotile	Yes	NF
Asbestos	S0010 ABC	Structure Fire Stop Firestopping (mastic) Grey	1003	D	60	0	0	0	None Detected	No	
Asbestos	S0011 ABC	Other Roof Tar Paper	1000	D	0	3500	0	0	None Detected	No	
Asbestos	S0012 ABC	Wall Paint Exterior Masonry	1000,1002,8778	A,D	0	1000	0	0	Chrysotile	Yes	NF
Asbestos	S0013 ABC	Wall Expansion Joint Caulking Brown On Expansion Joints	1000	D	30	0	0	0	None Detected	No	
Asbestos	S0014 ABC	Wall Flashing Caulking Light Grey On Metal Roof Flashing	1000	D	50	0	0	0	None Detected	No	
Asbestos	S0015 ABC	Wall Flashing Caulking Dark Grey/blue On Metal Roof Flashing	1000,1001	A,D	210	0	0	0	None Detected	No	
Asbestos	S0016 ABC	Wall Window, Door Frame Caulking Light Grey On Exterior Door Frame And Window	1000	D	40	0	0	0	None Detected	No	
Asbestos	S0017 ABC	Other Built Up Roofing Roofing Material	1001	A	0	500	0	0	None Detected	No	
Asbestos	S0018 ABC	Floor Vinyl Floor Tile And Mastic 9 X 9 Beige With Streaks And Green	8770	A	0	200	0	0	Chrysotile	Yes	NF
Asbestos	S0019 ABC	Wall Paint On Concrete Block	8747,8748,8770	A	0	4200	0	0	None Detected	No	
Asbestos	S0020 ABC	Floor Vinyl Floor Tile And Mastic 12 X 12 Grey With Dark Grey And White Flecks	8770	A	0	1300	0	0	None Detected	No	
Asbestos	S0021 ABC	Floor Vinyl Floor Tile And Mastic Beige (concealed)	8770	A	0	1300	0	0	Chrysotile	Yes	NF
Asbestos	S0022 ABC	Floor Terrazzo White And Black	8778	A	0	300	0	0	None Detected	No	
Asbestos	S0023 ABC	Piping Paper Paper On Fibreglass	8751	A	8	0	0	0	None Detected	No	
Asbestos	S0024 ABC	Other Sink Mastic Grey/gold	8751	A	0	0	1	0	Chrysotile	Yes	NF
Asbestos	S0025 ABC	Duct Mastic Grey	8747,8748,8749,8754,8755	A	0	0	0	100	None Detected	No	
Asbestos	S0026 ABCDE	Wall, Ceiling, Wall Plaster	8741,8749,8751,8756,8764	A	0	7800	0	0	None Detected	No	
Asbestos	S0027 ABCDE	Wall Paint Textured On Concrete Block	8751,8754	A	0	1400	0	0	None Detected	No	
Asbestos	S0028 ABC	Floor Vinyl Floor Tile And Mastic 12 X 12 Light	8751	A	0	1000	0	0	None Detected	No	

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
		Blue With Flecks									
Asbestos	S0029 ABC	Floor Epoxy Grey With Blue And Black Specks	8749	A	0	50	0	0	None Detected	No	
Asbestos	S0030 ABC	Wall Drywall And Joint Compound	8755,8756	A	0	500	0	0	None Detected	No	
Asbestos	S0031 ABC	Floor Vinyl Sheet Flooring Light Brown With Blue Pattern	8754,8755	A	0	250	0	0	None Detected	No	
Asbestos	S0032 ABC	Floor Vinyl Floor Tile And Mastic Grey Tile (concealed)	8754,8755,8756	A	0	1250	0	0	None Detected	No	
Asbestos	S0033 ABC	Floor Vinyl Sheet Flooring Grey With Black Dots	8749	A	0	250	0	0	None Detected	No	
Asbestos	S0034 ABCDE	Ceiling Overspray Texture Coat	8751	A	0	1000	0	100	Chrysotile	Yes	F
Asbestos	S0035 ABC	Wall Drywall And Joint Compound	8747,8748	A	0	400	0	0	None Detected	No	
Asbestos	V9500	Duct Duct Connector Textile Brown	8747	A	0	0	3	0	Presumed Asbestos	Yes	NF
Asbestos	V0000	Ceiling Acoustic Tile Ceiling Tiles (lay-in) 2 X 4 Pinholes And Short Fissures, 02/03/17	1012,1013,8741,8747,8748,8749,8754,8755,8764 8778	A,D	0	3900	0	0	Non Asbestos	No	
Asbestos	V0000	Ceiling Bulkhead Drywall And Joint Compound Installed Post-2016	1012,8741,8778	A,D	0	180	0	0	Non Asbestos	No	
Asbestos	V0000	Wall Base Adhesive/mastic	1013,8732,8751,8756,8777	A,D	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Wall Paint On Concrete Block, Installed Post-2016	1003,1010,1011,1012,1013,1014,8741,8778	A,D	0	10900	0	0	Non Asbestos	No	
Paint	L0001	Wall Concrete (precast) White On Concrete Block (2016)	1003,1010,1011,1012,1013,1014,8741,8778	A,D	0	10900	0	0		No	-
Paint	L0002	Structure Metal Red Primer On Structural Steel	1010	D	0	0	0	100		No	-
Paint	L0003	Wall Concrete (precast) White On Concrete Block	8732,8747,8748,8777,8778	A	0	3000	0	0	Lead (Low)	Yes	-
Paint	L0004	Other Metal Blue On Metal Roof Flashing	1000,1001	A,D	0	0	0	100		No	-
Paint	L0005	Wall Masonry Off-white On Exterior Masonry	1000,1002,8778	A,D	0	600	0	0		No	-
Paint	L0006	Other Metal White On Metal Door And Door Frame	1000	D	0	0	1	0		No	-
Paint	L0007	Wall Concrete (precast) Light Pink On Concrete Block	8770	A	0	3000	0	0	Lead (Low)	Yes	-
Paint	L0008	Wall Metal White On Metal Frame	8770	A	0	0	0	100	Lead (Low)	Yes	-
Paint	L0009	Wall Plaster White/light Green On Plaster	8741,8751,8764	A	0	4020	0	0	Lead (High)	Yes	-
Paint	L0010	Wall Plaster Light Brown On Plaster	8756	A	0	1700	0	0	Lead (Low)	Yes	-
Paint	L0011	Other Wood Dark Green On Wood	8741,8751,8764	A	0	0	0	100		No	-
Paint	L0012	Wall Concrete (precast) White On Textured Concrete Block	8751,8754	A	0	1400	0	0	Lead (Low)	Yes	-
Paint	L0013	Wall Plaster Beige On Plaster	8749	A	0	600	0	0	Lead (High)	Yes	-
Paint	L0014	Other Wood Beige On Wood	8741,8749,8764	A	0	0	0	100		No	-
Paint	L0015	Wall Drywall And Joint Compound White/light Brown On Drywall	1012,8741,8747,8748,8755,8756	A,D	0	1030	0	0		No	-

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Paint	L0016	Wall Masonry Green On Concrete	8747	A	0	800	0	0	Lead (Low)	Yes	-
Paint	L0017	Structure Metal Red Primer On Structural Steel	8747,8748	A	0	0	0	100	Lead (High)	Yes	-
Paint	L0018	Floor Concrete (poured) Grey On Concrete	8747,8748	A	0	830	0	0	Lead (Low)	Yes	-
Lead Product	V9000	Batteries In Emer. Lights	1003,1012,8732,8741,8754,8777,8778	A,D	0	0	9	0	Lead Product	Yes	-
PCB	P0001	Caulking	1000,1001	A,D	330	0	0	0	-	No	-
PCB	V0000	Caulking	1003,1010,1011,1012,1013,1014,8741,8778	A,D	0	0	0	100	-	No	-
PCB	V0000	Transformer	1003	D	0	0	1	0	-	No	-
Mould	V9000	Plaster	8741,8764	A	0	200	0	0	Mould	Yes	-
Hg	V9000	Light Fixture	1003,1010,1011,1012,1013,1014,8731,8732,8741,8747,8748,8749,8751,8754,8755,8756,8764,8770,8777,8778	A,D	0	0	0	100	Hg	Yes	-
Hg	V0000	Thermostat	8756,8764	A	0	0	2	0	-	No	-

Legend:

Sample number		Units		
S####	Asbestos sample collected	SF	Square feet	NF Non Friable material.
L####	Paint sample collected	LF	Linear feet	F Friable material
P####	PCB sample collected	EA	Each	PF Potentially Friable material
M####	Mould sample collected	%	Percentage	
V####	Material visually similar to numbered sample collected			
V0000	Known non Hazardous Material			
V9000	Material is visually identified as Hazardous Material			
V9500	Material is presumed to be Hazardous Material			
[Loc. No.]	Abated Material			

APPENDIX VI
HMIS All Data Report

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #1000 : Roof
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 3500

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Not Found															
Duct	Not Found															
Floor	Not Found															
Mechanical Equipment	Not Found															
Other	Door	Metal		Paint	B	Y		1			EA					
Other	Roof	Tar Paper		Asphalt	D	N		3500			SF	S0011ABC	None Detected	N.D.	None	
Other	Roof	Asphalt			B	Y		3500			SF					
Piping	Exhaust	Not Insulated			B	Y										
Structure	Deck	Concrete (poured)			D	N										
Wall		Masonry			B	Y										
Wall		Masonry		Paint	B	Y		200			SF					
Wall		Paint, Exterior masonry			B	Y		200(7)			SF	S0012AB	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall	Base	Metal, flashing		Paint	B	Y		100			%					
Wall	Door Frame	Caulking, Light grey on exterior door frame and window			B	Y		15			LF	S0016C	None Detected	N.D.	None	
Wall	Expansion Joint	Caulking, Brown on expansion joints			B	Y		30			LF	S0013ABC	None Detected	N.D.	None	
Wall	Flashing	Caulking, Light grey on metal roof flashing			B	Y		50			LF	S0014ABC	None Detected	N.D.	None	
Wall	Flashing	Caulking, Dark grey/blue on metal roof flashing			B	Y		200			LF	S0015AB	None Detected	N.D.	None	
Wall	Window	Caulking, Light grey on exterior door frame and window			B	Y		25			LF	S0016AB	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #1000 : Roof
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 3500

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	200		SF	L0005	Off-white on exterior masonry	Pb: 0.00083 %	No
Other	Metal	100		%	L0004	Blue on metal roof flashing	Pb: <0.0020 %	No
Other	Metal	1		EA	L0006	White on metal door and door frame	Pb: <0.0019 %	No

Client: Hamilton-Wentworth District School Board
Location: #1000 : Roof
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 3500

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Caulking	320		LF	P0001		<0.2 mg/kg	No

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #1001 : Canopy
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 500

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Not Found															
Duct	Not Found															
Floor	Not Found															
Mechanical Equipment	Not Found															
Other	Built Up Roofing	Roofing material		Ballast	D	N		500			SF	S0017ABC	None Detected	N.D.	None	
Other	Built Up Roofing	Ballast			B	Y										
Piping	Not Found															
Structure	Deck	Steel			D	N										
Wall	Base	Metal, flashing		Paint	B	Y		100			%					
Wall	Flashing	Caulking, Dark grey/blue on metal roof flashing			B	Y		10			LF	S0015C	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #1001 : Canopy
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 500

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Other	Metal	100		%	V0004	Blue on metal roof flashing	Pb: <0.0020 %	No	

Client: Hamilton-Wentworth District School Board
Location: #1001 : Canopy
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 500

PCB								
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB	
Caulking	10		LF	V0001		<0.2 mg/kg	No	

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #1002 : Exterior
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Soffit	Concrete (poured)			C	Y										
Duct	Not Found															
Floor		Concrete (poured)			A	Y										
Mechanical Equipment	Not Found															
Piping	Not Found															
Structure	Not Accessible															
Wall		Masonry			A	Y										
Wall		Masonry		Paint	A	Y		600			SF					
Wall		Paint, Exterior masonry			A	Y		600(7)			SF	S0012C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall	Door	Metal			A	Y		9			EA					
Wall	Door Frame	Caulking, Grey on exterior door frames and windows			A	Y		90			LF	S0007C	None Detected	N.D.	None	
Wall	Window	Caulking, Grey on exterior door frames and windows			A	Y		80			LF	S0007AB	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #1002 : Exterior
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 0

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	200		SF	V0005	Off-white on exterior masonry	Pb: 0.00083 %	No	

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #1003 : Custodial Area
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: 211
Last Re-Assessment: 0000-00-00

Area (sqft): 200

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Not Found															
Duct		Fibreglass		Paper	C	Y										
Duct		Not Insulated			C	Y										
Floor		Epoxy, White/dark grey and light grey			A	Y		200			SF	V0005	None Detected	N.D.	None	
Mechanical Equipment	Not Found															
Other	Door	Metal			A	Y		2			EA					
Piping		Not Insulated			C	Y										
Structure	Deck	Steel			C	Y										
Structure	Fire Stop	Firestopping (mastic), Grey			C	Y		60			LF	S0010ABC	None Detected	N.D.	None	
Wall		Concrete (precast)		Paint	A	Y		400			SF					
Wall		Paint, On concrete block, installed post-2016			A	Y		400			SF	V0000	Non-Asbestos		None	
Wall	Door Frame	Caulking, Off-white/grey on interior windows			A	Y		30			LF	V0002	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #1003 : Custodial Area
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: 211
Last Re-Assessment: 0000-00-00

Area (sqft): 200

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (precast)	400		SF	V0001	White on concrete block (2016)	Pb: 0.00038 %	No	

Client: Hamilton-Wentworth District School Board
Location: #1003 : Custodial Area
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: 211
Last Re-Assessment: 0000-00-00

Area (sqft): 200

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #1003 : Custodial Area
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: 211
Last Re-Assessment: 0000-00-00

Area (sqft): 200

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #1003 : Custodial Area
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: 211
Last Re-Assessment: 0000-00-00

Area (sqft): 200

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Transformer	1		EA	V0000			No
Caulking	100		%	V0000			No

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #1010 : Receiving Area
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 142
Last Re-Assessment: 0000-00-00

Area (sqft): 1500

ASBESTOS															
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard
Ceiling	Not Found														
Duct		Fibreglass		Foil Face	C	Y									
Duct		Not Insulated			C	Y									
Floor		Epoxy, White/dark grey and light grey			A	Y		1500			SF	S0005A	None Detected	N.D.	None
Mechanical Equipment		Not Insulated			A	Y									
Piping		Fibreglass		Plastic	C	Y									
Piping		Not Insulated			C	Y									
Structure	Beam	Steel		Paint	C	Y		100			%				
Structure	Deck	Concrete (poured)			C	Y									
Structure	Fire Stop	Firestopping (mastic), Blue			C	Y		150			LF	S0003ABC	None Detected	N.D.	None
Wall		Concrete (precast)		Paint	A	Y		3000			SF				
Wall		Paint, On concrete block, installed post-2016			A	Y		3000			SF	V0000	Non-Asbestos		None
Wall	Door Frame	Caulking, White on interior door frames			A	Y		50			LF	S0001A	None Detected	N.D.	None
Wall	Window	Caulking, Off-white/grey on interior windows			A	Y		20			LF	S0002C	None Detected	N.D.	None

Includes caretaker office 142A

Client: Hamilton-Wentworth District School Board
Location: #1010 : Receiving Area
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 142
Last Re-Assessment: 0000-00-00

Area (sqft): 1500

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete (precast)	3000		SF	L0001	White on concrete block (2016)	Pb: 0.00038 %	No
Structure	Metal	100		%	L0002	Red primer on structural steel	Pb: <0.0014 %	No

Includes caretaker office 142A

Client: Hamilton-Wentworth District School Board
Location: #1010 : Receiving Area
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 142
Last Re-Assessment: 0000-00-00

Area (sqft): 1500

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Includes caretaker office 142A

Client: Hamilton-Wentworth District School Board
Location: #1010 : Receiving Area
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 142
Last Re-Assessment: 0000-00-00

Area (sqft): 1500

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Caulking	100		%	V0000			No

Includes caretaker office 142A

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #1011 : Gymnasium Storage
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 103A
Last Re-Assessment: 0000-00-00

Area (sqft): 1500

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Not Found															
Duct		Fibreglass		Foil Face	C	Y										
Duct		Not Insulated			C	Y										
Floor		Epoxy, White/dark grey and light grey			A	Y		1500			SF	V0005	None Detected	N.D.	None	
Mechanical Equipment	Not Found															
Piping		Fibreglass		Plastic	C	Y										
Piping		Not Insulated			C	Y										
Structure	Deck	Concrete (poured)			C	Y										
Structure	Fire Stop	Firestopping (mastic), Red			C	Y		75			LF	V0004	None Detected	N.D.	None	
Wall		Concrete (precast)		Paint	A	Y		3000			SF					
Wall		Paint, On concrete block, installed post-2016			A	Y		3000			SF	V0000	Non-Asbestos		None	
Wall	Door Frame	Caulking, White on interior door frames			A	Y		20			LF	V0001	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #1011 : Gymnasium Storage
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 103A
Last Re-Assessment: 0000-00-00

Area (sqft): 1500

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (precast)	3000		SF	V0001	White on concrete block (2016)	Pb: 0.00038 %	No	

Client: Hamilton-Wentworth District School Board
Location: #1011 : Gymnasium Storage
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 103A
Last Re-Assessment: 0000-00-00

Area (sqft): 1500

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #1011 : Gymnasium Storage
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 103A
Last Re-Assessment: 0000-00-00

Area (sqft): 1500

PCB								
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB	
Caulking	100		%	V0000			No	

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #1012 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 144
Last Re-Assessment: 0000-00-00

Area (sqft): 600

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2 x 4 pinholes and short fissures, 02/03/17			C	Y		600			SF	V0000	Non-Asbestos		None	
Ceiling	Bulkhead	Drywall and joint compound, Installed post-2016		Paint	C	Y		50			SF	V0000	Non-Asbestos		None	
Duct		Fibreglass		Foil Face	C	N										
Duct		Not Insulated			C	N										
Floor		Epoxy, White/dark grey and light grey			A	Y		600			SF	S0005B	None Detected	N.D.	None	
Piping		Fibreglass		Plastic	C	N										
Piping		Not Insulated			C	N										
Structure	Deck	Concrete (poured)			C	N										
Wall		Concrete (precast)		Paint	A	Y		600			SF					
Wall		Masonry			A	Y		600			SF					
Wall		Paint, On concrete block, installed post-2016			A	Y		600			SF	V0000	Non-Asbestos		None	
Wall	Door Frame	Caulking, White on interior door frames			A	Y		15			LF	V0001	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #1012 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 144
Last Re-Assessment: 0000-00-00

Area (sqft): 600

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (precast)	600		SF	V0001	White on concrete block (2016)	Pb: 0.00038 %	No	
Wall	Drywall and joint compound	50		SF	V0015	White on drywall	Pb: <0.0014 %	No	

Client: Hamilton-Wentworth District School Board
Location: #1012 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 144
Last Re-Assessment: 0000-00-00

Area (sqft): 600

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #1012 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 144
Last Re-Assessment: 0000-00-00

Area (sqft): 600

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #1012 : Corridor

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 144

Area (sqft): 600

Survey Date: 2025-06-16

Last Re-Assessment: 0000-00-00

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Caulking	100		%	V0000			No

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #1013 : Classroom
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 143
Last Re-Assessment: 0000-00-00

Area (sqft): 1000

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2 x 4 pinholes and short fissures, 02/03/17			C	Y		1000			SF	V0000	Non-Asbestos		None	
Duct		Fibreglass		Foil Face	C	N										
Duct		Not Insulated			C	N										
Floor		Epoxy, White/dark grey and light grey			A	Y		1000			SF	V0005	None Detected	N.D.	None	
Mechanical Equipment	Heating Ventilating Air Conditioning Unit	Not Insulated			A	Y		1			EA					
Piping		Fibreglass		Plastic	C	N										
Piping		Not Insulated			C	N										
Structure	Deck	Concrete (poured)			C	N										
Wall		Concrete (precast)		Paint	A	Y		2000			SF					
Wall		Paint, On concrete block, installed post-2016			A	Y		2000			SF	V0000	Non-Asbestos		None	
Wall	Base	Adhesive/mastic		Rubber	D	N		100			%	V0000	Non-Asbestos		None	
Wall	Base	Rubber			A	Y		100			%					
Wall	Door Frame	Caulking, White on interior door frames			A	Y		15			LF	S0001B	None Detected	N.D.	None	
Wall	Window	Caulking, Off-white/grey on interior windows			A	Y		40			LF	S0002B	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #1013 : Classroom
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 143
Last Re-Assessment: 0000-00-00

Area (sqft): 1000

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description		Amount	Hazard
Wall	Concrete (precast)	2000		SF	V0001	White on concrete block (2016)		Pb: 0.00038 %	No

Client: Hamilton-Wentworth District School Board
Location: #1013 : Classroom
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 143
Last Re-Assessment: 0000-00-00

Area (sqft): 1000

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #1013 : Classroom
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 143
Last Re-Assessment: 0000-00-00

Area (sqft): 1000

PCB							
Component	Good	Poor	Unit	Sample	Sample Description		Amount
Caulking	100		%	V0000			No

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #1014 : Sprinkler Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 146
Last Re-Assessment: 0000-00-00

Area (sqft): 150

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Not Found															
Duct	Not Found															
Floor		Concrete (poured)			A	Y										
Mechanical Equipment	Not Found															
Piping		Fibreglass		Plastic	A	Y										
Piping		Not Insulated			A	Y										
Structure	Deck	Concrete (poured)			C	Y										
Wall		Concrete (precast)		Paint	A	Y		300			SF					
Wall		Paint, On concrete block, installed post-2016			A	Y		300			SF	V0000	Non-Asbestos		None	
Wall	Door Frame	Caulking, White on interior door frames			A	Y		20			LF	V0001	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #1014 : Sprinkler Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 146
Last Re-Assessment: 0000-00-00

Area (sqft): 150

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (precast)	300		SF	V0001	White on concrete block (2016)	Pb: 0.00038 %	No	

Client: Hamilton-Wentworth District School Board
Location: #1014 : Sprinkler Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 146
Last Re-Assessment: 0000-00-00

Area (sqft): 150

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #1014 : Sprinkler Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 146
Last Re-Assessment: 0000-00-00

Area (sqft): 150

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Caulking	100		%	V0000			No

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8731 : Storage
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 139
Last Re-Assessment: 0000-00-00

Area (sqft): 150

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Not Found															
Duct	Not Found															
Floor		Concrete (poured)			A	Y										
Mechanical Equipment	Not Found															
Piping	Not Found															
Structure	Deck	Concrete (poured)			C	Y										
Wall		Concrete (precast)			A	Y										
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth District School Board
Location: #8731 : Storage
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 139
Last Re-Assessment: 0000-00-00

Area (sqft): 150

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8732 : Stairwell
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: E1
Last Re-Assessment: 0000-00-00

Area (sqft): 300

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Not Found															
Duct	Not Found															
Floor		Vinyl Floor Tile and Mastic, 12 x 12 light brown with white/dark brown flecks			A	Y		100			SF	S0006AB	None Detected	N.D.	None	
Floor		Terrazzo, Light orange			A	Y		200			SF	S0008ABC	None Detected	N.D.	None	
Mechanical Equipment	Not Found															
Piping		Fibreglass			C	Y										
Piping		Not Insulated			A	Y										
Structure	Deck	Steel			C	Y										
Wall		Concrete (precast)		Paint	A	Y		600			SF					
Wall		Paint, On concrete block			A	Y		600(7)			SF	S0009A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall	Base	Adhesive/mastic		Rubber	D	N		100			%	V0000	Non-Asbestos		None	
Wall	Base	Rubber			A	Y		100			%					

Client: Hamilton-Wentworth District School Board
Location: #8732 : Stairwell
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: E1
Last Re-Assessment: 0000-00-00

Area (sqft): 300

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (precast)	600		SF	V0003	White on concrete block	Pb: 0.024 %	Lead (Low)	

Client: Hamilton-Wentworth District School Board
Location: #8732 : Stairwell
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: E1
Last Re-Assessment: 0000-00-00

Area (sqft): 300

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #8732 : Stairwell
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: E1
Last Re-Assessment: 0000-00-00

Area (sqft): 300

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8741 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 106
Last Re-Assessment: 0000-00-00

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster		Paint	C	N					SF	V0026	None Detected	N.D.	None	
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2 x 4 pinholes and short fissures, 02/03/17			C	Y		600			SF	V0000	Non-Asbestos		None	
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2 x 4 pinholes and short fissures, 02/03/17			C	Y						V0000	Non-Asbestos		None	
Ceiling	Bulkhead	Drywall and joint compound, Installed post-2016		Paint	C	Y		80			SF	V0000	Non-Asbestos		None	
Duct		Fibreglass		Foil Face	C	N										
Duct		Fibreglass		Foil Face	C	N										
Duct		Not Insulated			C	N										
Duct		Not Insulated			C	N										
Floor		Terrazzo, Light orange and green			A	Y					SF	V0008	None Detected	N.D.	None	
Floor		Epoxy, White/dark grey and light grey			A	Y		600			SF	V0005	None Detected	N.D.	None	
Mechanical Equipment	Not Found															
Piping		Fibreglass		Plastic	C	N										
Piping		Fibreglass		Plastic	C	N										
Piping		Fibreglass		Paper	C	N										
Piping		Not Insulated			C	N										
Piping		Not Insulated			C	N										
Structure	Deck	Concrete (poured)			C	N										
Structure	Deck	Concrete (poured)			C	N										
Structure	Fire Stop	Firestopping (mastic), Red			C	N		40			LF	S0004ABC	None Detected	N.D.	None	
Wall		Concrete (precast)		Paint	A	Y										
Wall		Plaster		Paint	A	Y		1000			SF	V0026	None Detected	N.D.	None	
Wall		Paint, On concrete block, installed post-2016			A	Y		1200			SF	V0000	Non-Asbestos		None	
Wall	Door Frame	Caulking, White on interior door frames			A	Y		15			LF	V0001	None Detected	N.D.	None	

Phase A and D

Client: Hamilton-Wentworth District School Board
Location: #8741 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 106
Last Re-Assessment: 0000-00-00

Area (sqft): 0

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete (precast)	1200		SF	V0001	White on concrete block (2016)	Pb: 0.00038 %	No
Wall	Drywall and joint compound	80		SF	V0015	White on drywall	Pb: <0.0014 %	No
Wall	Plaster	1000		SF	V0009	White on plaster	Pb: 0.11 %	Lead (High)
Other	Wood	100		%	V0014	Beige on wood	Pb: 0.0033 %	No
Other	Wood	100		%	V0011	Dark green on wood	Pb: 0.0040 %	No
Ceiling	Plaster	400	100	SF	V0009	White on plaster	Pb: 0.11 %	Lead (High)

Phase A and D

2025-06-30

Quantities shown above are based on visual approximations only and may be subject to variation. Copyright Pinchin Ltd. 2025

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ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8741 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 106
Last Re-Assessment: 0000-00-00

Area (sqft): 0

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9000	Yes

Phase A and D

Client: Hamilton-Wentworth District School Board
Location: #8741 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 106
Last Re-Assessment: 0000-00-00

Area (sqft): 0

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes
Light Fixture	100	%	V9000	Yes

Phase A and D

Client: Hamilton-Wentworth District School Board
Location: #8741 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 106
Last Re-Assessment: 0000-00-00

Area (sqft): 0

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Caulking	100		%	V0000			No

Phase A and D

Client: Hamilton-Wentworth District School Board
Location: #8741 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 106
Last Re-Assessment: 0000-00-00

Area (sqft): 0

MOULD								
System	Material	Visible	Quantity	Unit	Sample Type	Sample No	Sample Description	Mould
Ceiling	Plaster	N	100	SF	V	9000		Yes

Phase A and D

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8747 : Mechanical Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 133
Last Re-Assessment: 0000-00-00

Area (sqft): 750

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2 x 4 pinholes and short fissures, 02/03/17			C	Y						V0000	Non-Asbestos		None	
Duct		Not Insulated			C	N										
Duct		Mastic, Grey			C	N		100			%	V0025	None Detected	N.D.	None	
Duct	Duct Connector	Textile, Brown			C	N		3(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Concrete (poured)			A	Y										
Mechanical Equipment	Boiler	Not Insulated			A	Y										
Mechanical Equipment	Domestic Hot Water	Fibreglass			A	Y										
Mechanical Equipment	Not Found															
Piping		Fibreglass		Plastic	C	N										
Piping		Fibreglass		Paper	C	N										
Piping		Not Insulated			A	Y										
Piping		Not Insulated			C	Y										
Structure	Deck	Concrete (poured)			C	N										
Wall		Drywall and joint compound			A	Y		200			SF	S0035C	None Detected	N.D.	None	
Wall		Masonry			A	Y										
Wall		Paint, On concrete block			A	Y		200			SF	V0019	None Detected	N.D.	None	

No access to tunnels (confined space).

Client: Hamilton-Wentworth District School Board
Location: #8747 : Mechanical Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 133
Last Re-Assessment: 0000-00-00

Area (sqft): 750

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	200		SF	V0003	White on concrete block	Pb: 0.024 %	Lead (Low)
Wall	Drywall and joint compound	200		SF	V0015	White/light brown on drywall	Pb: <0.0014 %	No
Wall	Masonry	800		SF	L0016	Green on concrete	Pb: 0.056 %	Lead (Low)
Structure	Metal	100		%	V0017	Red primer on structural steel	Pb: 0.11 %	Lead (High)
Floor	Concrete (poured)	750		SF	L0018	Grey on concrete	Pb: 0.0090 %	Lead (Low)

No access to tunnels (confined space).

Client: Hamilton-Wentworth District School Board
Location: #8747 : Mechanical Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 133
Last Re-Assessment: 0000-00-00

Area (sqft): 750

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

No access to tunnels (confined space).

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8748 : Storage
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 133A/133B
Last Re-Assessment: 0000-00-00

Area (sqft): 80

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2 x 4 pinholes and short fissures, 02/03/17			C	Y						V0000	Non-Asbestos		None	
Duct		Not Insulated			C	N										
Duct		Mastic, Grey			C	N		100			%	V0025	None Detected	N.D.	None	
Floor		Concrete (poured)			A	Y										
Mechanical Equipment	Boiler	Not Insulated			A	Y										
Piping		Fibreglass		Plastic	C	N										
Piping		Fibreglass		Paper	C	N										
Piping		Not Insulated			A	Y										
Piping		Not Insulated			C	Y										
Structure	Deck	Concrete (poured)			C	N										
Wall		Drywall and joint compound			A	Y		200			SF	S0035AB	None Detected	N.D.	None	
Wall		Masonry			A	Y										
Wall		Paint, On concrete block			A	Y		1000			SF	V0019	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #8748 : Storage
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 133A/133B
Last Re-Assessment: 0000-00-00

Area (sqft): 80

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1000		SF	V0003	White on concrete block	Pb: 0.024 %	Lead (Low)	
Wall	Drywall and joint compound	200		SF	V0015	White/light brown on drywall	Pb: <0.0014 %	No	
Structure	Metal	100		%	L0017	Red primer on structural steel	Pb: 0.11 %	Lead (High)	
Floor	Concrete (poured)	80		SF	V0018	Grey on concrete	Pb: 0.0090 %	Lead (Low)	

Client: Hamilton-Wentworth District School Board
Location: #8748 : Storage
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 133A/133B
Last Re-Assessment: 0000-00-00

Area (sqft): 80

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8749 : Resource Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 132-A
Last Re-Assessment: 0000-00-00

Area (sqft): 300

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling ¹		Drywall and joint compound			C	Y		494		6	SF	V0007	None Detected	N.D.	None	
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2 x 4 pinholes and short fissures, 02/03/17			C	Y		300			SF	V0000	Non-Asbestos		None	
Duct		Not Insulated			C	N										
Duct		Mastic, Grey			C	N		100			%	S0025ABC	None Detected	N.D.	None	
Floor		Vinyl Sheet Flooring, Grey with black dots			A	Y		250			SF	S0033ABC	None Detected	N.D.	None	
Floor ²		Epoxy, Grey with blue and black specks			A	Y		50			SF	S0029ABC	None Detected	N.D.	None	
Mechanical Equipment	Not Found															
Piping		Fibreglass		Plastic	C	N										
Piping		Not Insulated			A	Y										
Structure	Deck	Concrete (poured)			C	N										
Wall		Plaster		Paint	A	Y		600			SF	S0026D	None Detected	N.D.	None	
Wall	Door Frame	Wood		Paint	A	Y		100			%					

1 - 6 sqft of water damage

2 - Custodial closet 132A

Client: Hamilton-Wentworth District School Board
Location: #8749 : Resource Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 132-A
Last Re-Assessment: 0000-00-00

Area (sqft): 300

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	590	10	SF	L0013	Beige on plaster	Pb: 0.23 %	Lead (High)
Other	Wood	100		%	L0014	Beige on wood	Pb: 0.0033 %	No

Client: Hamilton-Wentworth District School Board
Location: #8749 : Resource Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 132-A
Last Re-Assessment: 0000-00-00

Area (sqft): 300

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8751 : Special Education Classroom
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 131
Last Re-Assessment: 0000-00-00

Area (sqft): 1000

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster		Texture Finish - Non Friable	C	Y		1000			SF	V0026	None Detected	N.D.	None	
Ceiling		Texture Coat			C	Y		1000(7)			SF	S0034ABCDE	Chrysotile	0.5-5%	Confirmed Asbestos	F
Ceiling	Overspray	Texture Coat			D	N		100(7)			%	V0034	Chrysotile	0.5-5%	Confirmed Asbestos	F
Duct		Not Insulated, access hatches on wall			B	Y										
Floor		Vinyl Floor Tile and Mastic, 12 x 12 light blue with flecks			A	Y		1000			SF	S0028ABC	None Detected	N.D.	None	
Mechanical Equipment	Heating Ventilating Air Conditioning Unit	Not Insulated			A	Y		1			EA					
Other	Door	Wood			A	Y		1			EA					
Other	Sink	Mastic, Grey/gold			A	Y		1(7)			EA	S0024ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Paper, Paper on fibreglass			A	Y		8			LF	S0023ABC	None Detected	N.D.	None	
Piping		Not Insulated, access hatches on wall			B	Y										
Structure	Not Accessible															
Wall		Concrete (precast)		Paint	A	Y		1000			SF					
Wall		Plaster		Paint	A	Y		1000			SF	S0026ABC	None Detected	N.D.	None	
Wall		Paint, Textured on concrete block			A	Y		1000			SF	S0027ABC	None Detected	N.D.	None	
Wall	Base	Adhesive/mastic		Rubber	D	N		100			%	V0000	Non-Asbestos		None	
Wall	Base	Rubber			A	Y		100			%					
Wall	Door Frame	Wood		Paint	A	Y		100			%					

Client: Hamilton-Wentworth District School Board
Location: #8751 : Special Education Classroom
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 131
Last Re-Assessment: 0000-00-00

Area (sqft): 1000

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	1000		SF	L0009	White/light green on plaster	Pb: 0.11 %	Lead (High)
Wall	Concrete (precast)	1000		SF	L0012	White on textured concrete block	Pb: 0.026 %	Lead (Low)
Other	Wood	100		%	L0011	Dark green on wood	Pb: 0.0040 %	No

Client: Hamilton-Wentworth District School Board
Location: #8751 : Special Education Classroom
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 131
Last Re-Assessment: 0000-00-00

Area (sqft): 1000

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8754 : Coat Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 126B
Last Re-Assessment: 0000-00-00

Area (sqft): 200

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2 x 4 pinholes and short fissures, 02/03/17			C	Y		200			SF	V0000	Non-Asbestos		None	
Duct		Not Insulated			C	N										
Duct		Mastic, Grey			C	N		100			%	V0025	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, Grey tile (concealed)		Vinyl Sheet Flooring	D	N		150			SF	V0032	None Detected	N.D.	None	
Floor		Vinyl Sheet Flooring, Light brown with blue pattern			A	Y		150			SF	S0031AB	None Detected	N.D.	None	
Floor		Terrazzo, Light orange and green			A	Y		50			SF	V0008	None Detected	N.D.	None	
Mechanical Equipment	Not Found															
Other	Door	Wood			A	Y		1			EA					
Other	Door	Metal			A	Y		1			EA					
Piping		Fibreglass		Paper	C	N										
Piping		Not Insulated			C	N										
Structure	Deck	Concrete (poured)			C	N										
Wall		Concrete (precast)		Paint	A	Y		400			SF					
Wall		Paint, Textured on concrete block			A	Y		400			SF	S0027DE	None Detected	N.D.	None	

Includes custodial area 127

Client: Hamilton-Wentworth District School Board
Location: #8754 : Coat Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 126B
Last Re-Assessment: 0000-00-00

Area (sqft): 200

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description			Hazard
Wall	Concrete (precast)	400		SF	V0012	White on textured concrete block			Lead (Low)

Includes custodial area 127

Client: Hamilton-Wentworth District School Board
Location: #8754 : Coat Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 126B
Last Re-Assessment: 0000-00-00

Area (sqft): 200

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9000	Yes

Includes custodial area 127

Client: Hamilton-Wentworth District School Board
Location: #8754 : Coat Room
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 126B
Last Re-Assessment: 0000-00-00

Area (sqft): 200

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Includes custodial area 127

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8755 : Washroom
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 126A
Last Re-Assessment: 0000-00-00

Area (sqft): 100

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2 x 4 pinholes and short fissures, 02/03/17			C	Y		100			SF	V0000	Non-Asbestos		None	
Duct		Not Insulated			C	N										
Duct		Mastic, Grey			C	N		100			%	V0025	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, Grey tile (concealed)		Vinyl Sheet Flooring	D	N		100			SF	V0032	None Detected	N.D.	None	
Floor		Vinyl Sheet Flooring, Light brown with blue pattern			A	Y		100			SF	S0031C	None Detected	N.D.	None	
Mechanical Equipment	Not Found															
Other	Door	Metal			A	Y		1			EA					
Other	Mirror				A	Y		1			EA					
Piping		Fibreglass		Paper	C	N										
Piping		Not Insulated			A	Y										
Structure	Deck	Concrete (poured)			C	N										
Wall		Drywall and joint compound		Paint	A	Y		200			SF	S0030C	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #8755 : Washroom
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 126A
Last Re-Assessment: 0000-00-00

Area (sqft): 100

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Drywall and joint compound	200		SF	V0015	White/light brown on drywall	Pb: <0.0014 %	No	

Client: Hamilton-Wentworth District School Board
Location: #8755 : Washroom
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 126A
Last Re-Assessment: 0000-00-00

Area (sqft): 100

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8756 : Kindergarten
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 126
Last Re-Assessment: 0000-00-00

Area (sqft): 1000

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster		Paint	C	Y		1000			SF	V0026	None Detected	N.D.	None	
Duct	Not Accessible															
Floor		Vinyl Floor Tile and Mastic, Grey tile (concealed)		Foam	D	N		1000			SF	S0032ABC	None Detected	N.D.	None	
Floor		Foam, blue			A	Y		1000			SF					
Mechanical Equipment	Not Found															
Other	Door	Metal			A	Y		1			EA					
Piping		Not Insulated			A	Y										
Structure	Not Accessible															
Wall		Drywall and joint compound		Paint	A	Y		300			SF	S0030AB	None Detected	N.D.	None	
Wall		Plaster		Paint	A	Y		1700			SF	S0026E	None Detected	N.D.	None	
Wall	Base	Adhesive/mastic		Rubber	D	N		100			%	V0000	Non-Asbestos		None	
Wall	Base	Rubber			A	Y		100			%					

Client: Hamilton-Wentworth District School Board
Location: #8756 : Kindergarten
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 126
Last Re-Assessment: 0000-00-00

Area (sqft): 1000

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	1700		SF	L0010	Light brown on plaster	Pb: 0.023 %	Lead (Low)
Wall	Drywall and joint compound	300		SF	L0015	White/light brown on drywall	Pb: <0.0014 %	No

Client: Hamilton-Wentworth District School Board
Location: #8756 : Kindergarten
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 126
Last Re-Assessment: 0000-00-00

Area (sqft): 1000

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes
Thermostat	1	EA	V0000	

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8764 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 118
Last Re-Assessment: 0000-00-00

Area (sqft): 500

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster		Paint	C	N		400		100	SF	V0026	None Detected	N.D.	None	
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2 x 4 pinholes and short fissures, 02/03/17			C	Y		500			SF	V0000	Non-Asbestos		None	
Duct		Fibreglass		Foil Face	C	N										
Duct		Not Insulated			C	N										
Floor		Terrazzo, Light orange and green			A	Y		500			SF	V0008	None Detected	N.D.	None	
Mechanical Equipment	Not Found															
Piping		Fibreglass		Plastic	C	N										
Piping		Fibreglass		Paper	C	N										
Piping		Not Insulated			C	N										
Structure	Deck	Concrete (poured)			C	N										
Wall		Plaster		Paint	A	Y		1000			SF	V0026	None Detected	N.D.	None	
Wall	Door Frame	Wood		Paint	A	Y		100			%					

Assessed portion only

Client: Hamilton-Wentworth District School Board
Location: #8764 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 118
Last Re-Assessment: 0000-00-00

Area (sqft): 500

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Plaster	1000		SF	V0009	White on plaster	Pb: 0.11 %	Lead (High)	
Other	Wood	100		%	V0014	Beige on wood	Pb: 0.0033 %	No	
Other	Wood	100		%	V0011	Dark green on wood	Pb: 0.0040 %	No	
Ceiling	Plaster	400	100	SF	V0009	White on plaster	Pb: 0.11 %	Lead (High)	
Ceiling ¹	Plaster		20	SF	V0009	White on plaster	Pb: 0.11 %	Lead (High)	

Assessed portion only

1 - Debris

Client: Hamilton-Wentworth District School Board
Location: #8764 : Corridor
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 118
Last Re-Assessment: 0000-00-00

Area (sqft): 500

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes
Thermostat	1	EA	V0000	

Assessed portion only

Client: Hamilton-Wentworth District School Board
Location: #8764 : Corridor

Site: 9149 Airport Road, Mount Hope, ON
Floor: 1

Building Name: Mount Hope Elementary School
Room #: 118

Area (sqft): 500

Survey Date: 2025-06-16

Last Re-Assessment: 0000-00-00

MOULD								
System	Material	Visible	Quantity	Unit	Sample Type	Sample No	Sample Description	Mould
Ceiling	Plaster	N	100	SF	V	9000		Yes

Assessed portion only

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8770 : Library
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: 210-A
Last Re-Assessment: 0000-00-00

Area (sqft): 1500

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Not Found															
Duct	Not Found															
Floor		Concrete (poured)		Vinyl Floor Tile and Mastic	D	N										
Floor ¹		Vinyl Floor Tile and Mastic, 9 x 9 beige with streaks and green			A	Y		200(7)			SF	S0018ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12 x 12 grey with dark grey and white flecks			A	Y		1300			SF	S0020ABC	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, Beige (concealed)		Vinyl Floor Tile and Mastic	D	N		1300(7)			SF	S0021ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Mechanical Equipment	Not Found															
Other	Door	Wood			A	Y		1			EA					
Other	Door	Metal			A	Y		2			EA					
Piping		Not Insulated			C	Y										
Structure	Deck	Steel			C	Y										
Wall		Concrete (precast)		Paint	A	Y		3000			SF					
Wall		Metal		Paint	A	Y		100			%					
Wall		Paint, On concrete block			A	Y		3000			SF	S0019ABC	None Detected	N.D.	None	
Wall	Window	Rubber			A	Y		100			%					

1 - Office 210A

Client: Hamilton-Wentworth District School Board
Location: #8770 : Library
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: 210-A
Last Re-Assessment: 0000-00-00

Area (sqft): 1500

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (precast)	3000		SF	L0007	Light pink on concrete block	Pb: 0.037 %	Lead (Low)	
Wall	Metal	100		%	L0008	White on metal frame	Pb: 0.061 %	Lead (Low)	

Client: Hamilton-Wentworth District School Board
Location: #8770 : Library
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: 210-A
Last Re-Assessment: 0000-00-00

Area (sqft): 1500

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8777 : Stairwell
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: E2
Last Re-Assessment: 0000-00-00

Area (sqft): 300

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Not Found															
Duct	Not Found															
Floor		Vinyl Floor Tile and Mastic, 12 x 12 light brown with white/dark brown flecks			A	Y		100			SF	S0006C	None Detected	N.D.	None	
Floor		Epoxy, White/dark grey and light grey			A	Y		200			SF	V0005	None Detected	N.D.	None	
Mechanical Equipment	Not Found															
Piping	Not Found															
Structure	Deck	Steel			C	Y										
Wall		Concrete (precast)		Paint	A	Y		600			SF					
Wall		Paint, On concrete block			A	Y		600(7)			SF	S0009B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall	Base	Adhesive/mastic		Rubber	D	N		100			%	V0000	Non-Asbestos		None	
Wall	Base	Rubber			A	Y		100			%					

Client: Hamilton-Wentworth District School Board
Location: #8777 : Stairwell
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: E2
Last Re-Assessment: 0000-00-00

Area (sqft): 300

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (precast)	600		SF	L0003	White on concrete block	Pb: 0.024 %	Lead (Low)	

Client: Hamilton-Wentworth District School Board
Location: #8777 : Stairwell
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: E2
Last Re-Assessment: 0000-00-00

Area (sqft): 300

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #8777 : Stairwell
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: E2
Last Re-Assessment: 0000-00-00

Area (sqft): 300

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

ALL DATA REPORT

Client: Hamilton-Wentworth District School Board
Location: #8778 : Corrior
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: 201
Last Re-Assessment: 0000-00-00

Area (sqft): 600

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2 x 4 pinholes and short fissures, 02/03/17			C	Y		600			SF	V0000	Non-Asbestos		None	
Ceiling	Bulkhead	Drywall and joint compound, Installed post-2016		Paint	C	Y		50			SF	V0000	Non-Asbestos		None	
Duct		Fibreglass		Foil Face	C	N										
Duct		Not Insulated			C	N										
Floor		Terrazzo, White and black			A	Y		300			SF	S0022ABC	None Detected	N.D.	None	
Floor		Epoxy, White/dark grey and light grey			A	Y		300			SF	S0005C	None Detected	N.D.	None	
Mechanical Equipment	Not Found															
Piping		Fibreglass		Plastic	C	N										
Piping		Fibreglass		Paper	C	N										
Piping		Not Insulated			C	N										
Structure	Deck	Steel			C	N										
Wall		Concrete (precast)		Paint	A	Y		1000			SF					
Wall		Masonry		Paint	A	Y		200			SF					
Wall		Paint, On concrete block			A	Y		600(7)			SF	S0009C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Paint, On concrete block, installed post-2016			A	Y		400			SF	V0000	Non-Asbestos		None	
Wall		Paint, on masonry, previously exterior wall			A	Y		200(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall	Door Frame	Caulking, White on interior door frames			A	Y		100			LF	S0001C	None Detected	N.D.	None	
Wall	Window	Caulking, Off-white/grey on interior windows			A	Y		20			LF	S0002A	None Detected	N.D.	None	

Assessed portion only

Client: Hamilton-Wentworth District School Board
Location: #8778 : Corrior
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: 201
Last Re-Assessment: 0000-00-00

Area (sqft): 600

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (precast)	600		SF	V0003	White on concrete block	Pb: 0.024 %	Lead (Low)	
Wall	Concrete (precast)	400		SF	V0001	White on concrete block (2016)	Pb: 0.00038 %	No	
Wall	Masonry	200		SF	V0005	Off-white on masonry, previously exterior wall	Pb: 0.00083 %	No	

Assessed portion only

Client: Hamilton-Wentworth District School Board
Location: #8778 : Corrior
Survey Date: 2025-06-16

Site: 9149 Airport Road, Mount Hope, ON
Floor: 2

Building Name: Mount Hope Elementary School
Room #: 201
Last Re-Assessment: 0000-00-00

Area (sqft): 600

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9000	Yes

Assessed portion only

Client: Hamilton-Wentworth District School Board **Site:** 9149 Airport Road, Mount Hope, ON **Building Name:** Mount Hope Elementary School
Location: #8778 : Corrior **Floor:** 2 **Room #:** 201 **Area (sqft):** 600
Survey Date: 2025-06-16 **Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Assessed portion only

Client: Hamilton-Wentworth District School Board **Site:** 9149 Airport Road, Mount Hope, ON **Building Name:** Mount Hope Elementary School
Location: #8778 : Corrior **Floor:** 2 **Room #:** 201 **Area (sqft):** 600
Survey Date: 2025-06-16 **Last Re-Assessment:** 0000-00-00

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Caulking	100		%	V0000			No

Assessed portion only

Legend:



Sample number		Units		Other	
S####	Asbestos sample collected	SF	Square feet	A	Access
L####	Paint sample collected	LF	Linear feet	V	Visible
P####	PCB sample collected	EA	Each	AP	Air Plenum
M####	Mould sample collected	%	Percentage	F	Friable material
V####	Material is visually identified to be identical to S####	LF	Linear feet	NF	Non Friable material
V0000	Known non hazardous material			PF	Potentially Friable material
V9000	Material visually identified as a Hazardous Material			Pb	Lead
V9500	Material is presumed to be a hazardous material			Hg	Mercury
				As	Arsenic
				Cr	Chromium

Access	
A	Accessible to all building occupants
B	Accessible to maintenance and operations staff without a ladder
C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas
D	Not normally accessible

Condition	
Good	No visible damage or deterioration
Fair	Minor, repairable damage, cracking, delamination or deterioration
Poor	Irreparable damage or deterioration with exposed and missing material

Visible	
Y	The material is visible when standing on the floor of the room, without the removal or opening of other building components (e.g. ceiling tiles or access panels).
N	The material is not visible to view when standing on the floor of the room and requires the removal of a building component (e.g. ceilings tiles or access panels) to view and access. Includes rarely entered crawlspaces, attic spaces, etc. Observations will be limited to the extent visible from the access points.
L	The material is partially visible to view when standing on the floor of the room and requires the removal of a building component (e.g. ceiling system or access panels) to view completely and access. Includes partially viewed access points to crawlspaces, attic spaces, etc. without entering. Observations are limited to the extent visible from the access points.

Air Plenum	
Yes or No	The material is in a return air plenum or in a direct airstream or there is evidence of air erosion (e.g. duct for heating or cooling blowing directly on or across an ACM). This field is only completed where Air Plenum consideration is required by regulation.

Colour Coding	
	The material is a hazardous material, either by analytical results or by visible identification.
	The material is presumed to be a hazardous material, based on visual appearance, and was not sampled due to limited access or the non-destructive nature of sampling.

Action					
(1)	Clean up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	(3)	ACM removal
(4)	Precautions for Work Which may Disturb ACM in Poor Condition	(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair

(7) Management program and surveillance

Part 1 General

1.1 GEOTECHNICAL INVESTIGATION

- .1 A copy of the Geotechnical Report and Borehole Logs is enclosed in Binder C
“Architectural Details & Geotechnical Report”.

PROJECT NAME: **Geotechnical Investigation**
 Proposed Elementary Addition
 9149 Airport Road, Mount Hope ON
 Prepared by: Soil-Mat Engineers & Consultants Ltd.
Date: September 25, 2024
Proj. Ref. SM 240669-G

Soil Characterization Report
Date: October 23, 2024
Proj. Ref. SM 240669-G

1.2 DISCLAIMER

- .1 The Geotechnical Report is not part of the Contract Documents prepared by the Architect or his sub consultants. It is bound into the Specifications set for convenient reference only. The Geotechnical report was not prepared by or under the supervision of the Architect. While every effort has been made to attempt to provide comprehensive geotechnical information for the purposes of design and tendering, the Architect claims no responsibility for the accuracy of the information contained in the report.
- .2 Refer to Section 00 21 13 – ‘Instruction to Bidders’, Examination of the Site.

Part 2 Products

2.1 NOT USED

- .1 Not used.

Part 3 Execution

3.1 NOT USED

- .1 Not used.

END OF SECTION



SOIL-MAT ENGINEERS & CONSULTANTS LTD.

401 Grays Road · Hamilton, ON · L8E 2Z3

🌐 www.soil-mat.ca ✉ info@soil-mat.ca ☎ 905.318.7440 / 800.243.1922 (toll free) 📠 905.318.7455

PROJECT No.: SM 240669-G

September 25, 2024

HOSSACK ARCHITECTURE
105 – 1939 Ironoak Way
Oakville, Ontario
L6H 3V8

Attention: Jonathan Knight, B.Arch.Sci., M.Arch., OAA, MRAIC

**GEOTECHNICAL INVESTIGATION
PROPOSED ELEMENTARY ADDITION
9149 AIRPORT ROAD
MOUNT HOPE, ONTARIO**

Dear Mr. Knight,

Further to your authorisation, SOIL-MAT ENGINEERS & CONSULTANTS LTD. has completed the fieldwork, laboratory testing, and report preparation in connection with the above noted project. The investigation and reporting were undertaken in general accordance with our proposal P240669, dated July 17, 2024. Our comments and recommendations, based on our findings at the seven [7] borehole locations, are presented in the following paragraphs.

1. INTRODUCTION

We understand that the project will involve of the construction of an addition of the existing elementary school with asphalt paved parking lots, and play areas at 9149 Airport Road in Mount Hope, Ontario. The purpose of this geotechnical investigation was to assess the subsurface soil and groundwater conditions, and to provide our comments and recommendations with respect to the design and construction of the proposed additions, from a geotechnical point of view. It is noted that this report does not reflect on the environmental aspects of the site. The results of the environmental testing have been published under a separate Soil Characterisation Report.

This report is based on the above summarised project description, and on the assumption that the design and construction will be performed in accordance with applicable codes and standards. Any significant deviations from the proposed project design may void the recommendations given in this report. If significant changes are made to the proposed design, this office must be consulted to review the new design with respect to the results of this investigation.

2. PROCEDURE

A total of seven [7] sampled boreholes were advanced at the locations illustrated in the attached Drawing No. 1, Borehole Location Plan. The boreholes were advanced using continuous flight power auger equipment to termination at depths of between approximately 5.2 to 6.7 metres below the existing grade on August 19, 2024, under the direction of a staff member of SOIL-MAT ENGINEERS & CONSULTANTS LTD. Upon completion of drilling, all of the boreholes were backfilled in general accordance with Ontario Regulation 903, and the grade reinstated even with the existing ground surface.

Representative samples of the subsoils were recovered from the borings at selected depth intervals using split barrel sampling equipment driven in accordance with the requirements of the ASTM test specification D1586, Standard Penetration Resistance Testing. After undergoing a general field examination, the soil samples were preserved and transported to the SOIL-MAT laboratory for visual, tactile, and olfactory classifications. Routine moisture content tests were performed on all soil samples recovered from the borings, with hand penetrometer testing conducted on cohesive samples and two [2] selected samples were subject to grain size analysis.

The boreholes were located in the field by a representative of SOIL-MAT ENGINEERS & CONSULTANTS LTD., based on accessibility over the site and underground utilities. The ground surface elevation at the borehole locations was referenced to a site-specific benchmark, described as the existing elementary school finished first floor elevation, as illustrated in the Borehole Location Plan. This benchmark was assigned an elevation of 100.00 metres for convenience.

Details of the conditions encountered in the boreholes, together with the results of the field and laboratory tests, are presented in Log of Boreholes Nos 1 to 7, inclusive, following the text of this report. It is noted that the boundaries of soil types indicated on the borehole logs are inferred from non-continuous soil sampling and observations made during drilling. These boundaries are intended to reflect transition zones for the purpose of geotechnical design and therefore should not be construed as the exact planes of geological change.

3. SITE DESCRIPTION AND SUBSURFACE CONDITIONS

The subject property is located at 9149 Airport Road in Mount Hope, Ontario, and is occupied by the existing Mount Hope Elementary School, and its associated parking and playground areas. The site is bordered by Airport Road to the north, and residential properties to the east, south, and west. The area of the proposed addition is a grass surface lawn to the south of the existing elementary school.

The subsurface conditions encountered at the borehole locations are summarised as follows:

Topsoil

A surficial veneer of topsoil approximately 300 millimetres in thickness was encountered at all borehole locations, with the exception of Borehole No. 4. It is noted that the depth of topsoil may vary across the site and from the depths at the borehole locations, and a conservative approach to estimating topsoil volumes is recommended. It is also noted that the term 'topsoil' has been used from a geotechnical point of view, and does not necessarily reflect its nutrient content or ability to support plant life.

Pavement Structure

Borehole No. 4 was advanced through the pavement structure of the existing parking lot, which was found to consist of approximately 75 millimetres of asphaltic concrete overlying 300 millimetres of compact granular base material.

Silty Clay/Clayey Silt Fill

Backfilled silty clay/clayey silt was encountered beneath the topsoil at Borehole Nos. 2, 6, and 7. The fill material was dark brown to greyish brown in colour with organic inclusions. The fill layer extended to depths of up to approximately 1.1 metres below the ground surface at Borehole Nos. 2 and 6, and up to 1.9 metres at Borehole No. 7. Similar depths of fill may be encountered throughout the site, however greater depths of fill may also be encountered. The advancement of shallow test pits within the proposed building and pavement footprints may prove beneficial to further assess the quality of the fill with respect to supporting proposed floor slab and pavement structures.

Clayey Silt

Native clayey silt was encountered beneath the topsoil layer at all of the borehole locations and beneath the pavement structure at Borehole No. 4. The cohesive soil was brown in colour, transitioning to grey below a depth of approximately 5 to 6 metres, reworked in appearance in the upper levels and was generally stiff to hard in consistency. Given the similar composition of the native and fill soils, the transition from fill to native soil is somewhat indistinct. As such, material identified as fill may be weathered/reworked/disturbed native soils. Conversely, material identified as native soil may in fact be well compacted fill. The native clayey silt was proven to termination at depths of approximately 5.2 to 6.7 metres below the existing ground surface where encountered.

A review of available published information [Quaternary Geology of Ontario, Southern Sheet Map 2556] indicate the subsurface to consist of fine textured glaciolacustrine deposits consisting primarily of silt and clay with minor sand and gravel. This is consistent with our experience in the area and the conditions encountered on site.

As noted above, two [2] selected samples of the recovered soil were subjected to grain size analyses including sieve and hydrometer tests. The results of these grain size analyses have been summarised as follows;

TABLE A - GRAIN SIZE ANALYSES SUMMARY

Sample	Sample Depth [m]	Clay [%]	Silt [%]	Sand [%]	Gravel [%]	Effective Diameter [mm]	Estimated Permeability [cm/sec]
BH2 SS4	2.3	27	55	16	2	0.0003	10^{-8}
BH6 SS3	1.5	30	65	5	0	0.0002	10^{-8}

According to the Unified Soil Classification System the native soils is classified as M.L – Inorganic silts, clayey silts with slight plasticity. The effective diameter of this material is approximately 0.0002 to 0.0003 mm. Through the application of Hazen's Equation $k = c (D_{10})^2$, the estimated permeability, k , is approximately 10^{-8} cm/sec. These relatively impermeable soils would have an estimated infiltration rate of less than 5 mm/hr [referencing the CVC LID Design Guide, Table C1]. This estimate is based on the reasonable assumption that the soil sample recovered from the boreholes are representative of the site conditions, and the in-situ degree of compaction corresponds to medium densities. Such relatively impermeable soils are generally not considered suitable for low impact development (LID) stormwater management systems.

Groundwater Observations

All boreholes were noted to be dry upon completion of drilling. It is noted that insufficient time would have passed for the static groundwater level to stabilise in the open boreholes. In cohesive soils such as the clayey silt encountered, the static groundwater level generally coincides with the transition in colour from brown to grey. Based on the conditions encountered in the boreholes and our experience in the area, the static groundwater level is conservatively estimated at depths of approximately 5 to 6 metres below the existing ground surface, below the anticipated depths of construction.

4. FOUNDATION CONSIDERATIONS

The soil conditions encountered at the borehole locations are considered suitable to support the proposed new addition on conventional spread footings founded in the undisturbed native clayey silt, below any fill or otherwise unsuitable material. As noted above, the encountered fill was generally limited to the upper approximately 1.2 metres within the proposed addition footprint, however, greater depths may be encountered across the site, requiring sub-excavations, pending final founding elevations and review at the time of construction. Spread footings may be designed considering a bearing capacity of 150 kPa [\sim 3,000 psf] SLS and 225 kPa [\sim 4,500 psf] ULS, based on the total and differential settlements not exceeding 25 and 20 millimetres respectively.

It is noted that the SLS value represents the Serviceability Limit State, which is governed by the tolerable deflection [settlement] based on the proposed building type, using unfactored load combination. The ULS value represents the Ultimate Limit State and is intended to reflect the upper limit of the available bearing capacity of the founding soils in terms of geotechnical design, using factored load combinations. There is no direct relationship between ULS and SLS; rather they are a function of the soil type and the tolerable deflections for serviceability, respectively. The above discussion assumes a typical building. Evidently, the bearing capacity values would be lower for very settlement sensitive structures and larger more flexible buildings.

In areas where it will be necessary to provide adjacent footings at different founding elevations, the lower footing should be constructed before the higher footing is constructed, if possible, and the higher footing should be set below an imaginary line drawn up from the edge of the lower footing at 10 horizontal to 7 vertical. This practice will limit stress transfer from the higher footings to the lower footings. The new foundations should be designed to match the founding level of the existing structure, stepping up or down as necessary.

All footings exposed to the environment must be provided with a minimum of 1.2 metres of earth cover or equivalent insulation to protect against frost damage. This frost protection would also be required if construction were undertaken during the winter months. All footings and foundations should be designed and constructed in accordance with the current Ontario Building Code.

It is noted, that the stress-strain properties of the supporting soils are never uniform across the site, nor are the loads on the various foundation elements. Some settlements must be expected in response to the applied load until equilibrium is achieved. Therefore, as is typical in most new construction, 'cosmetic' cracking of plasterboard, foundation walls, slabs, etc. may occur within the first year of construction as a result of shrinkage, minor settlement, etc. Subsequent to repair, additional cracking should be minimal.

As some differential movement is expected between the addition and the existing building, expansion/movement joints should be provided where connections are made to the existing structure to allow for differential movements to occur, both vertically due to the compression of the soil under the weight of the addition, and horizontally as the walls expand and contract with fluctuations in humidity and temperature. It is recommended that the foundations be structurally reinforced to account for such movements, as well as variable loading and support conditions.

It is imperative that a soils engineer be retained from this office to provide geotechnical engineering services during the excavation and foundation construction phases of the project. This is to observe compliance with the design concepts and recommendations of this report and to allow changes to be made in the event that subsurface conditions differ from the conditions identified at the borehole locations.

5. SEISMIC DESIGN CONSIDERATIONS

The structure shall be designed according to Section 4.1.8 of the Ontario Building Code, Ontario Regulation 332/12. Based on the subsurface soil conditions encountered in this investigation, the applicable Site Classification for the seismic design is Site Class D – Stiff Soil, based on the average soil characteristics for the site, it is noted that Site Class C may be available, however, site specific seismic shear wave velocity testing would be required.

The seismic data from Supplementary Standard SB-1 of the Ontario Building Code for nearby Hamilton are as follows:

S_a(0.2)	S_a(0.5)	S_a(1.0)	S_a(2.0)	S_a(5.0)	S_a(10.0)	PGA	PGV
0.260	0.128	0.061	0.0280	0.0068	0.0027	0.168	0.101

6. EXCAVATIONS

It is anticipated that excavations for the proposed addition will extend to depth of up to approximately 1.5 to 2.0 metres beneath the existing ground surface. Excavations through the surficial fill and reworked materials would be expected to remain stable for the short construction period at inclinations of up to 45 degrees. Excavations through the native clayey silt would be expected to remain stable for the short construction period at inclinations of up to 60 degrees to the horizontal. Where wet seams are encountered, or during periods of extended precipitation, excavation faces may 'slough' in as flat as 3 horizontal to 1 vertical, or flatter. Notwithstanding the forgoing, all excavations must comply with the current Occupational Health and Safety Act and Regulations for Construction Projects. With respect to the act, any surficial fill and reworked material would be considered "Type III" soils, with the native stiff to hard cohesive soils considered "Type II".

As noted above the depth of the static groundwater level is anticipated to be below the depths of construction. Nevertheless, some infiltration of perched water through permeable seams, as well as from surface run off into open excavations should be anticipated, especially during the 'wet' times of the year. The rate of infiltration is expected to be relatively low, such that it is possible to control such infiltration that may seep into the excavations using conventional construction 'dewatering' techniques, such as pumping from sumps and ditches. More groundwater control should be anticipated when connections are made to existing services and foundations. Surface water should be directed away from the excavations.

7. FLOOR SLAB AND PERMANENT DRAINAGE

The building floor slab may be constructed using conventional slab-on-grade techniques on a prepared subgrade. Any organic and otherwise unsuitable material should be removed, and the exposed subgrade surface should be well compacted in the presence of a representative of SOIL-MAT ENGINEERS. Any soft 'spots' delineated during this work must be sub-excavated and replaced with quality backfill material compacted to a minimum of 98 percent of its standard Proctor maximum dry density [SPMDD]. Granular fill, such as an imported Ontario Provincial Standard Specification [OPSS] Granular 'B' Type II (crushed limestone product) or approved alternative, is preferred within the building footprint due to its relative insensitivity to weather conditions, ease in achieving the required degree of compaction, its quick response to applied stresses. As noted above, the advancement of test pits within the proposed building footprint may prove beneficial to further assess the quality of fill below the proposed floor slab, pending proposed subgrade elevations relative to the depths of fill encountered.

As with all concrete floor slabs, there is a tendency for the floor slabs to crack. The slab thickness, concrete mix design, the amount of steel and/or fiber reinforcement and/or wire mesh placed into the concrete slab, if any, will therefore be a function of the owner's tolerance for cracks in, movements of, the slabs-on-grade, etc. The 'saw-cuts' in the concrete floor, for crack control, should extend to a minimum depth of 1/3 of the thickness of the slab.

A moisture barrier will be required under the floor slabs such as the placement of at least 200-millimetres of well compacted 20-millimetre clear crushed stone. At a minimum the moisture barrier material should contain no more than 10 percent passing the No. 4 sieve. Where 'non-damp' floor slabs are required, as for instance under sheet vinyl floor coverings, etc., extra efforts will be required to damp proof the floor slab, as with the additional provisions of a heavy 'poly' sheet, damp proofing sprays/membranes, drainage board products, etc. Where 'poly' sheets are used care should be taken to prevent puncturing and tearing, and a sufficiently heavy gauge material be provided. The floor finish product supplier should be consulted regarding the requirement for such a non-damp condition.

Curing of the slab-on-grade must be carefully specified to ensure that slab curl is minimised. This is especially critical during the hot summer month of the year when the surface of the slab tends to dry out quickly while high moisture conditions in the moisture barrier or water trapped on top of any 'poly' sheet at the sawcut joints and cracks, and at the edges of the slabs, maintains the underside of the slab in a moist condition. It is important that the concrete mix design provide a limiting water/cement ratio and total cement content, which will mitigate moisture related problems with low permeance floor coverings, such as debonding of vinyl and ceramic tile. It is equally important that excess free water not be added to the concrete during its placement as this could increase the potential for shrinkage cracking and curling of the slab.

Where the finished floor is less than 300 millimetres above the finished exterior grade consideration should be given to the provision of a perimeter weeping tile system to prevent the build up of water against the foundations. Where provided, the perimeter drainage system should consist of 100-millimetre diameter perforated pipe, encased in a geofabric sock and covered with a minimum of 200 millimetres of a 20-millimetre clear crushed stone product in turn encased in a heavy filter geotextile product. The suppliers of the filter geotextile should be consulted as to the best type suited to this project. Great care should be taken during the installation of the drains, as even a small break in the filtering materials could result in loss of fines into the drains with attendant performance difficulties, including settlements of the ground surface. The perimeter drains should outlet to a gravity sewer connection, a nearby catch basin, or a sump pit a minimum of 150 millimetres below the underside of the finished floor. The exterior grade around the structure should be sloped away from the structure to prevent the ponding of water against the foundation walls. The enclosed Drawing No. 2 shows schematics of the typical requirements for slab-on-grade construction without a basement level.

8. BACKFILL CONSIDERATIONS

The majority of the excavated materials will primarily consist of the fill and native clayey silt encountered in the boreholes, as described above. These soils are generally considered suitable for use as engineered fill, trench backfill, etc., provided they are free of organics, large construction debris, or otherwise deleterious materials, and that their moisture contents can be controlled to within 3 percent of their standard proctor optimum moisture content. Some selective sorting of any fill material may be required. Care should be taken to separate granular materials within existing pavement structures from the cohesive soils to maintain their respective properties.

It is noted that the primarily cohesive soils encountered on site are not considered to be free draining and should not be used where this characteristic is necessary. These soils will also present difficulties in achieving effective compaction where access with compaction equipment is restricted, such as within the building footprint or against foundations. The use of a free draining granular material, such as an OPSS Granular 'B' Type II (crushed bedrock), or approved alternative, in areas of restricted access areas such as within the building footprints or against the building foundations. These materials are more efficiently compacted in such areas, and generally provide a more uniform support condition for the exterior concrete and pavements.

The on-site soils encountered are generally considered to be near to slightly 'wet' of their standard Proctor optimum moisture content. Some moisture conditioning may be required depending upon the weather conditions at the time of construction. These soils are also noted to be sensitive to high moisture conditions and will be almost impossible to effectively compact when they become well 'wet' of their optimum. After a period of heavy precipitation, and near-surface wet, saturated or softened material should be allowed to air dry or be removed and discarded.

We note that where backfill material is placed near or slightly above its optimum moisture content, the potential for long term settlements due to the ingress of groundwater and collapse of the fill structure is reduced. Correspondingly the shear strength of the 'wet' backfill material is also lowered, therefor reducing its ability to support construction traffic and therefore impacting pavement structure construction. If the soil is compacted well dry of its optimum value, it will appear to be very strong when compacted, but will tend to settle with time as the moisture content in the fill increases to equilibrium condition. The on-site soils will require high compaction energy to achieve acceptable densities if the moisture content is not close to its standard Proctor optimum value. It is therefore very important that the placement moisture content of the backfill soils be within 3 percent of its standard Proctor optimum moisture content during placement and compaction to minimise long term subsidence [settlement] of the fill mass. Any imported fill required should have its moisture content within 3 percent of its optimum moisture content and meet the necessary environmental guidelines.

A representative of SOIL-MAT should be present on-site during the backfilling and compaction operations to confirm the uniform compaction of the backfill material to project specification requirements. Close supervision is prudent in areas that are not readily accessible to compaction equipment, for instance near the end of compaction 'runs'. All structural fill, backfill within service trenches, areas to be paved, etc., should be compacted to a minimum of 98 percent of its SPMDD. The appropriate compaction equipment should be employed based on soil type, i.e. pad-toe for cohesive soils and smooth drum/vibratory plate for granular soils. A method should be developed to assess compaction efficiency employing the on-site compaction equipment and backfill materials used during construction.

9. PAVEMENT CONSIDERATIONS

All areas to be paved should be stripped of all topsoil, along with any otherwise unsuitable materials. As noted above, the advancement of test pits within the proposed pavement structure may prove beneficial to further assess the quality of fill below the proposed pavement structure, pending proposed subgrade elevations relative to the depths of fill encountered. The exposed subgrade should be proof rolled with 3 to 4 passes of a loaded tandem truck in the presence of a representative of SOIL-MAT ENGINEERS & CONSULTANTS LTD., immediately prior to the placement of the sub-base material. Any areas of distress revealed by this or other means must be sub-excavated and replaced with suitable backfill material. Alternatively, the soft areas may be stabilised by placing coarse crushed stone and 'punching' it into the soft areas. The need for the treatment of softened subgrade will be reduced if construction is undertaken during the dry summer months and careful attention is paid to the compaction operations. The fill over shallow utilities cut into or across paved areas must also be compacted to a minimum of 98 per cent of its SPMDD.

Good drainage provisions will optimise the long-term performance of the pavement structure. The subgrade must be properly crowned and shaped to promote drainage to the subdrain system. Subdrains should be installed to intercept excess subsurface water and mitigate softening of the subgrade material. Surface water should not be allowed to pond adjacent to the outer limits of the paved areas.

The most severe loading conditions on the subgrade typically occur during the course of construction. Therefore, precautionary measures should be taken to ensure that the subgrade is not unduly disturbed by construction traffic. These measures would include minimising the amount of heavy traffic travelling over the subgrade, such as during the placement of granular base layers.

If construction is conducted under adverse weather conditions, additional subgrade preparation may be required. During wet weather conditions, such as during the Fall and Spring months, or during colder winter weather, it should be anticipated that additional subgrade preparation will be required, such as additional depth of Ontario Provincial Standard Specification [OPSS] Granular 'B', Type II (crushed limestone bedrock) sub-base material. It is also important that the sub-base and base granular layers of the pavement structure be placed as soon as possible after exposure, preparation, and approval of the exposed subgrade.

The suggested pavement structures outlined in Table A below are based on subgrade parameters estimated on the basis of visual and tactile examinations of the on-site soils and past experience. The outlined pavement structure may be expected to have an approximate ten-to-fifteen-year lifespan, assuming that regular maintenance is performed. Should a more detailed pavement structure design be required, site specific traffic information would be needed, together with detailed laboratory testing of the subgrade soils.

TABLE B – TYPICAL SUGGESTED PAVEMENT STRUCTURES

LAYER DESCRIPTION	COMPACTION REQUIREMENTS	LIGHT DUTY SECTIONS	HEAVY DUTY [TRUCK ROUTE]
Asphaltic Concrete			
Wearing course OPSS HL 3 or HL 3A	92 per cent Marshall	40 millimetres	40 millimetres
Binder Course OPSS HL 8	92 per cent Marshall	50 millimetres	80 millimetres
Base Course OPSS Granular A	100% SPMDD	150 millimetres	150 millimetres
Sub-base Course OPSS Granular B Type II	100% SPMDD	300 millimetres	450 millimetres

* SPMDD denotes Standard Proctor Maximum Dry Density, ASTM-D698.

Depending on the anticipated traffic, a reduced light duty asphalt structure consisting of 65 millimetres of HL3 surface course may also perform sufficiently. This would be reasonable in areas subjected only to light vehicles such as cars for parking. Such a structure may have a reduced lifespan if subjected to heavier vehicles, and would also not allow for 'mill and pave' type operations for future rehabilitation.

To minimise segregation of the finished asphalt mat, the asphalt temperature must be maintained uniform throughout the mat during placement and compaction. All too often, significant temperature gradients exist in the delivered and placed asphalt with the cooler portions of the mat resisting compaction and presenting a honeycomb surface. As the spreader moves forward, a responsible member of the paving crew should monitor the pavement surface, to ensure a smooth uniform surface. The contractor can mitigate the surface segregation by 'back-casting' or scattering shovels of the full mix material over the segregated areas and raking out the course particles during compaction operations. Of course, the above assumes that the asphalt mix is sufficiently hot to allow the 'back-casting' to be performed.

10. GENERAL COMMENTS

The comments provided in this document are intended only for the guidance of the design team. The material in it reflects SOIL-MAT ENGINEERS' best judgement in light of the information available to it at the time of preparation. The subsurface descriptions and borehole information are intended to describe conditions at the borehole locations only. It is the contractors' responsibility to determine how these conditions will affect the scheduling and methods of construction for the project. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. SOIL-MAT ENGINEERS accepts no responsibility for damages if any, suffered by any third party as a result of decisions made or actions based on this report.

We trust that this geotechnical report is sufficient for your present requirements. Should you require any additional information or clarification as to the contents of this document, please do not hesitate to contact the undersigned.

Yours very truly,
SOIL-MAT ENGINEERS & CONSULTANTS LTD.



Malcolm Green, B.Tech.
Junior Engineer



Kevin Reid, B.Eng.
Junior Engineer

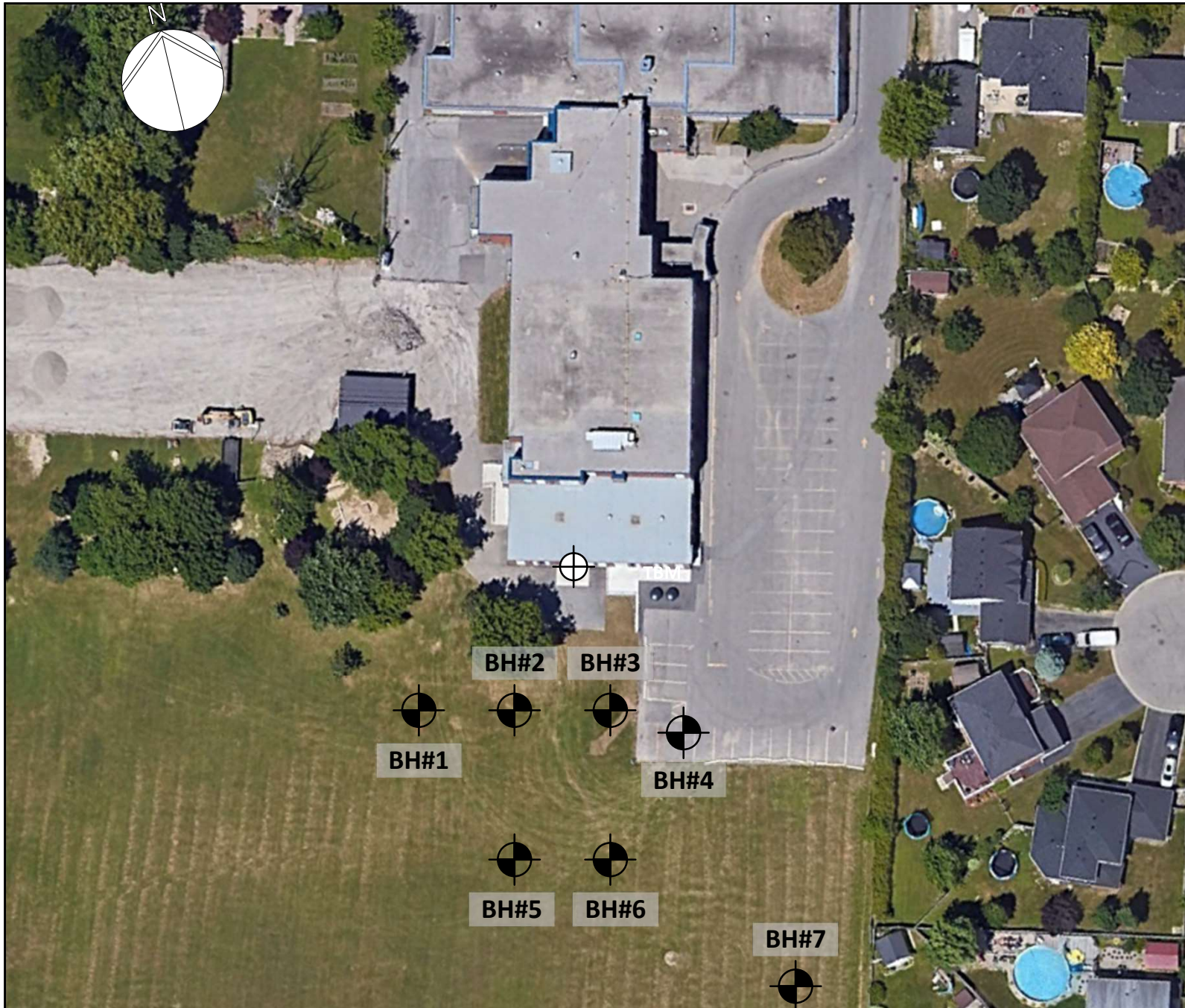


Adam Roemmele, P.Eng.
Project Engineer



Enclosures: Drawing No. 1, Borehole Location Plan
Log of Borehole Nos. 1 to 7, inclusive
Grain Size Analyses
Drawing No. 2, Slab on Grade Perimeter Drainage

Distribution: Hossack Architecture. [1, pdf]



LEGEND	
	Borehole Location
	Temporary Benchmark
	First Floor Elevation Assigned Elevation: 100.00m
NOTES	
1. This drawing should be read in conjunction with Soil-Mat Engineers & Consultants Ltd. Report No. SM 240669-G.	
2. Borehole locations are approximate.	
SOIL-MAT	
ENGINEERS & CONSULTANTS LTD.	
Geotechnical Investigation Proposed Elementary School Addition 9149 Airport Road Mount Hope, Ontario	
Borehole Location Plan	
Project No. SM 240669-G	
Date: September 2024	
Drawn: MG	
Drawing No. 1	

Log of Borehole No. 1

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

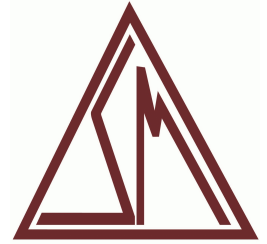
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778755

E: 587739



Depth ft m	Elevation (m)	Symbol	Description	Well Data	SAMPLE						Moisture Content w% ▲ 10 20 30 40 ▲					
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test blows/300mm ● 20 40 60 80 ●				
0 ft m	99.04 98.70		Ground Surface													
1			Topsoil Approximately 300 millimetres of topsoil.	SS	1	3,2,2,1	4									
2			Clayey Silt Brown, reworked appearance in the upper levels, firm to hard.	SS	2	3,4,4,6	8									
3				SS	3	4,5,8,11	13									
4				SS	4	8,13,21,32	34		>4.5							
5				SS	5	9,18,27,31	45		>4.5							
6																
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12																
13																
14																
15																
16																
17	93.80			SS	6	7,11,14,17	25		>4.5							
18			End of Borehole													
19			NOTES: 1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 5.2 metres. 2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903. 3. Soil samples will be discarded after 3 months unless otherwise directed by our client.													
20																
21																
22																
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Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 2

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

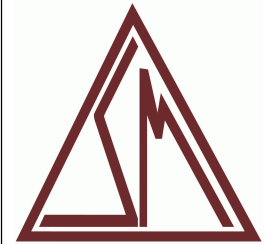
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778764

E: 587749



Depth ft m	Elevation (m)	Symbol	Description	Well Data	SAMPLE							Moisture Content w% ▲ 10 20 30 40 ▲			
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test blows/300mm ● 20 40 60 80 ●			
0	99.03		Ground Surface												
1	98.70		Topsoil Approximately 300 millimetres of topsoil.	SS	1	5,7,10,14	9		3.0						
2				SS	2	4,5,4,4	9								
3	97.90		Silty Clay/Clayey Silt Fill Dark brown, occasional organic inclusions, stiff.	SS	3	3,4,5,6	12								
4				SS	4	2,4,8,11	29		4.0						
5			Clayey Silt Brown, reworked appearance in the upper levels, stiff to hard.	SS	5	8,14,15,22	41		>4.5						
6															
7															
8				SS	6	10,17,24,32	27		>4.5						
9	93.40		Transition to Grey												
10															
11				SS	7	8,12,15,16	17		>4.5						
12	92.30		End of Borehole												
13			NOTES: 1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 6.7 metres. 2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903. 3. Soil samples will be discarded after 3 months unless otherwise directed by our client.												

NOTES:

- Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 6.7 metres.
- Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903.
- Soil samples will be discarded after 3 months unless otherwise directed by our client.

Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 3

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

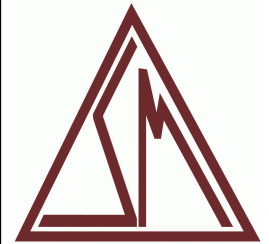
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4773760

E: 587762



Depth ft m	Elevation (m)	Symbol	Description	Well Data	SAMPLE							Moisture Content w% ▲ 10 20 30 40 ▲			
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test blows/300mm ● 20 40 60 80 ●			
0	99.07		Ground Surface												
1	98.80		Topsoil Approximately 300 millimetres of topsoil.	SS	1	2,2,3,4	5								
2				SS	2	6,8,12,15	20		>4.5						
3					SS	3	7,10,12,15	22		>4.5					
4					SS	4	6,10,20,30	30		>4.5					
5					SS	5	12,26,37,52	63		>4.5					
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16															
17	93.50														
18															
19			Transition to Grey												
20															
21	92.40			SS	7	5,7,10,12	17		3.5						
22															
23			End of Borehole												
24			NOTES: 1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 6.7 metres. 2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903. 3. Soil samples will be discarded after 3 months unless otherwise directed by our client.												
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Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 4

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

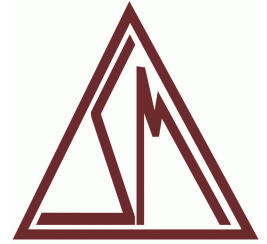
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778750

E: 587773



Depth ft m	Elevation (m)	Symbol	Description	Well Data	SAMPLE							Moisture Content w% ▲ 10 20 30 40 ▲			
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test ● blows/300mm ● 20 40 60 80			
0	99.09		Ground Surface												
1	98.70	●●●●●●●●	Pavement Structure Approximately 75 millimetres of asphaltic concrete overlying 300 millimetres of compact granular base.		SS	1	7,4,3,4	7	■						
2			Clayey Silt Brown, reworked appearance in the upper levels, very stiff to hard.		SS	2	4,6,11,13	17	■	>4.5					
3					SS	3	6,13,18,21	31	■	>4.5					
4					SS	4	10,19,27,35	46	■	>4.5					
5					SS	5	9,19,25,36	44	■	>4.5					
6															
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11															
12															
13															
14															
15															
16	93.90				SS	6	8,11,14,17	25	■	>4.5					
17			End of Borehole												
18															
19															
20			NOTES:												
21			1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 5.2 metres.												
22			2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903.												
23			3. Soil samples will be discarded after 3 months unless otherwise directed by our client.												
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Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 5

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

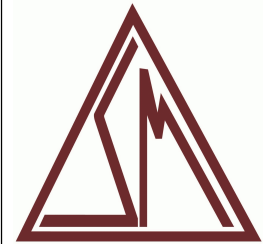
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778722

E: 587742



Depth ft m	Elevation (m)	Symbol	Description	Well Data	SAMPLE							Moisture Content w% ▲ 10 20 30 40 ▲				
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test blows/300mm ● 20 40 60 80 ●				
0	98.85		Ground Surface													
1	98.50		Topsoil Approximately 300 millimetres of topsoil.	SS	1	2,3,3,3	6									
2			Clayey Silt Brown, reworked appearance in the upper levels, firm to hard.	SS	2	2,3,3,4	6									
3				SS	3	5,7,11,13	18									
4				SS	4	8,15,24,33	39		>4.5							
5				SS	5	7,16,23,32	39		>4.5							
6																
7																
8																
9																
10																
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12																
13																
14																
15																
16																
17																
18	93.20		Transition to Grey													
19																
20																
21	92.10			SS	7	6,10,12,13	22		>4.5							
22			End of Borehole													
23			<p>NOTES:</p> <p>1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 6.7 metres.</p> <p>2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903.</p> <p>3. Soil samples will be discarded after 3 months unless otherwise directed by our client.</p>													
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Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 6

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

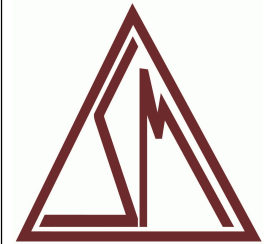
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778740

E: 587757



Depth ft m	Elevation (m)	Symbol	Description	Well Data	SAMPLE							Moisture Content w% ▲ 10 20 30 40 ▲			
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test blows/300mm ● 20 40 60 80 ●			
0	98.81		Ground Surface												
1	98.50		Topsoil Approximately 300 millimetres of topsoil.	SS	1	3,3,3,3	6								
2															
3	97.70		Silty Clay/Clayey Silt Fill Dark brown, occasional organic inclusions, firm.	SS	2	3,3,5,6	8								
4															
5					SS	3	3,4,6,7	10		3.5					
6															
7				Clayey Silt Brown, reworked appearance in the upper levels, stiff to hard.	SS	4	7,14,22,27	36		>4.5					
8															
9				SS	5	6,15,24,31	39		>4.5						
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12															
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14															
15															
16	93.90		Transition to Grey	SS	6	8,10,14,15	24		>4.5						
17															
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19															
20															
21															
22	92.10		End of Borehole	SS	7	7,10,15,19	25		>4.5						
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25			NOTES:												
26			1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 6.7 metres.												
27			2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903.												
28			3. Soil samples will be discarded after 3 months unless otherwise directed by our client.												
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Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 7

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

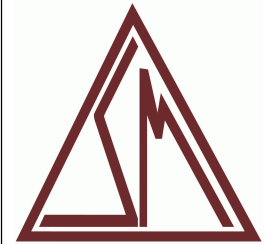
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778714

E: 587788



Depth ft m	Elevation (m)	Symbol	Description	Well Data	SAMPLE							Moisture Content w% ▲ 10 20 30 40 ▲			
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test ● blows/300mm ●			
												20	40	60	80
0	98.47		Ground Surface												
1	98.20		Topsoil Approximately 300 millimetres of topsoil.	SS	1	5,5,6,6	11								
2				SS	2	2,2,5,7	7								
3				Silty Clay/Clayey Silt Fill Dark greyish brown, firm.	SS	3	3,4,4,6	8							
4			Clayey Silt Brown, reworked appearance in the upper levels, trace gravel, occasional sand seams with depth, very stiff to hard.	SS	4	5,7,12,19	19		>4.5						
5				SS	5	9,15,24,31	39		>4.5						
6															
7	93.30			SS	6	10,23,25,25	48		>4.5						
8			End of Borehole												
9			NOTES:												
10			1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 5.2 metres.												
11			2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903.												
12			3. Soil samples will be discarded after 3 months unless otherwise directed by our client.												
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Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

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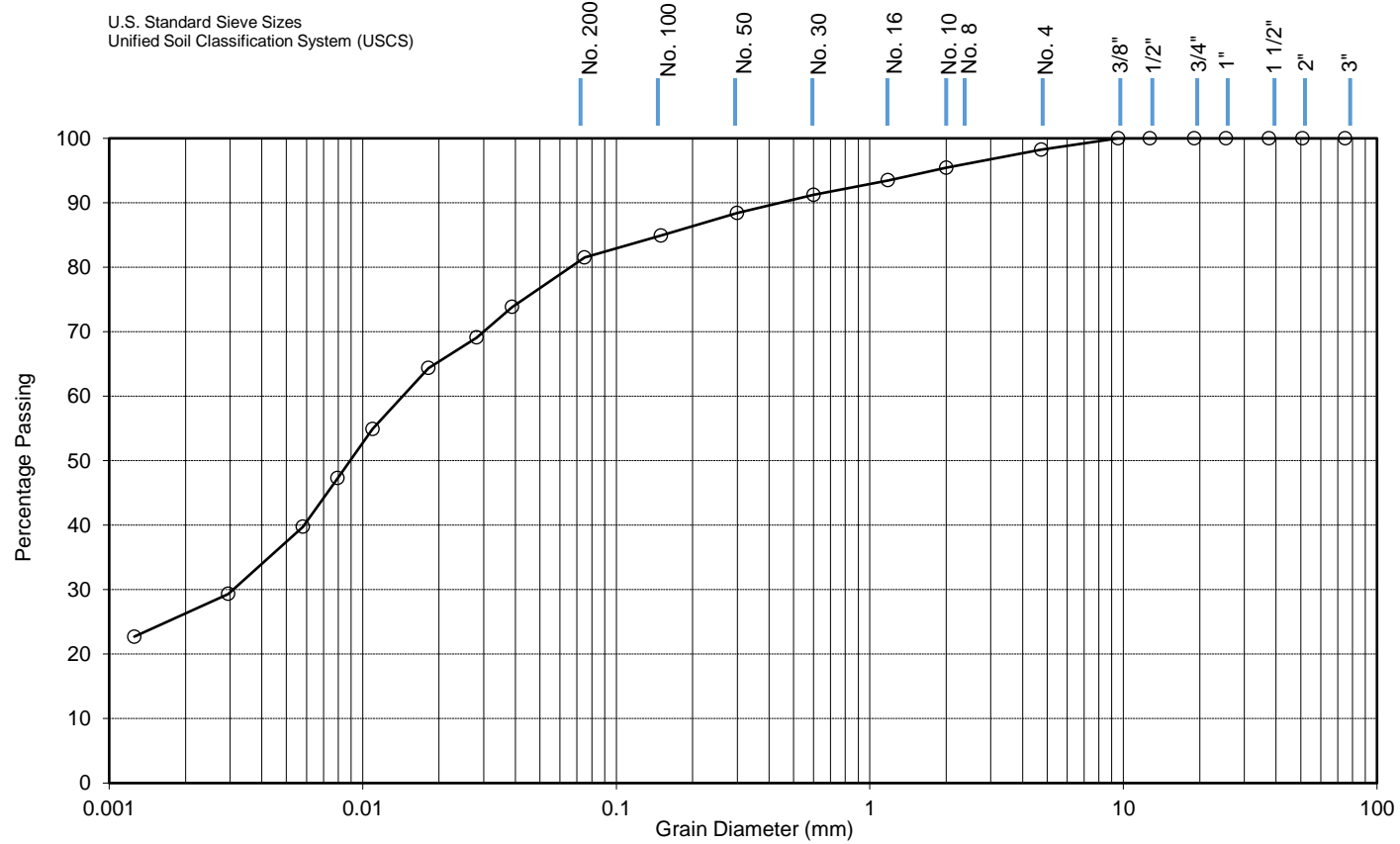
Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Mechanical & Hydrometer Analyses



CLAY	SILT	FINE	MEDIUM	COARSE	FINE	COARSE
		SAND			GRAVEL	

Lab No.: 24-301	Notes: Depth : 7.5'	
Borehole No.: 2		
Sample No.: 4		
CLAY [%]: 27	Soil Description: Brown Clayey Silt w/ some Sand and a trace of Gravel M.L. - Clayey silts with slight plasticity, inorganic silts and very fine sands, clayey fine sands	
SILT [%]: 55		
SAND [%]: 16		
GRAVEL [%]: 2	Estimated Infiltration Rate [mm/hr] : < 10	Estimated Permeability, k [cm/s] 10⁻⁸
D ₁₀ (Effective Diam. in mm): 0.0003	Coefficient of Uniformity C _u : 50.0	Coefficient of Curvature C _c : 2.1

SOIL-MAT ENGINEERS & CONSULTANTS LTD.

Mount Hope Elementary School - 9149 Airport Road, Mount Hope ON

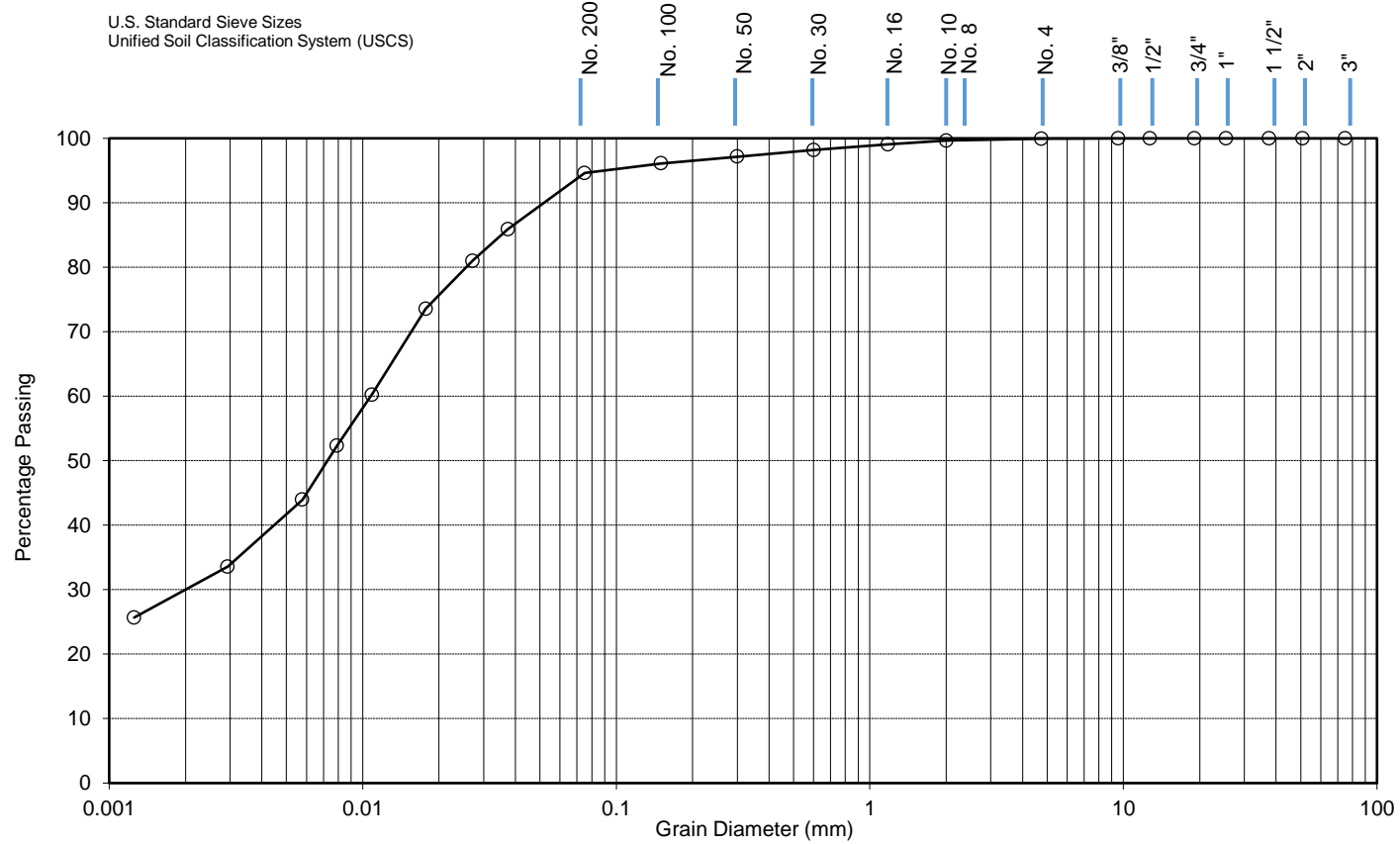


September 2024

Grain Size Analysis No. 1

Project No.: SM 240669-T

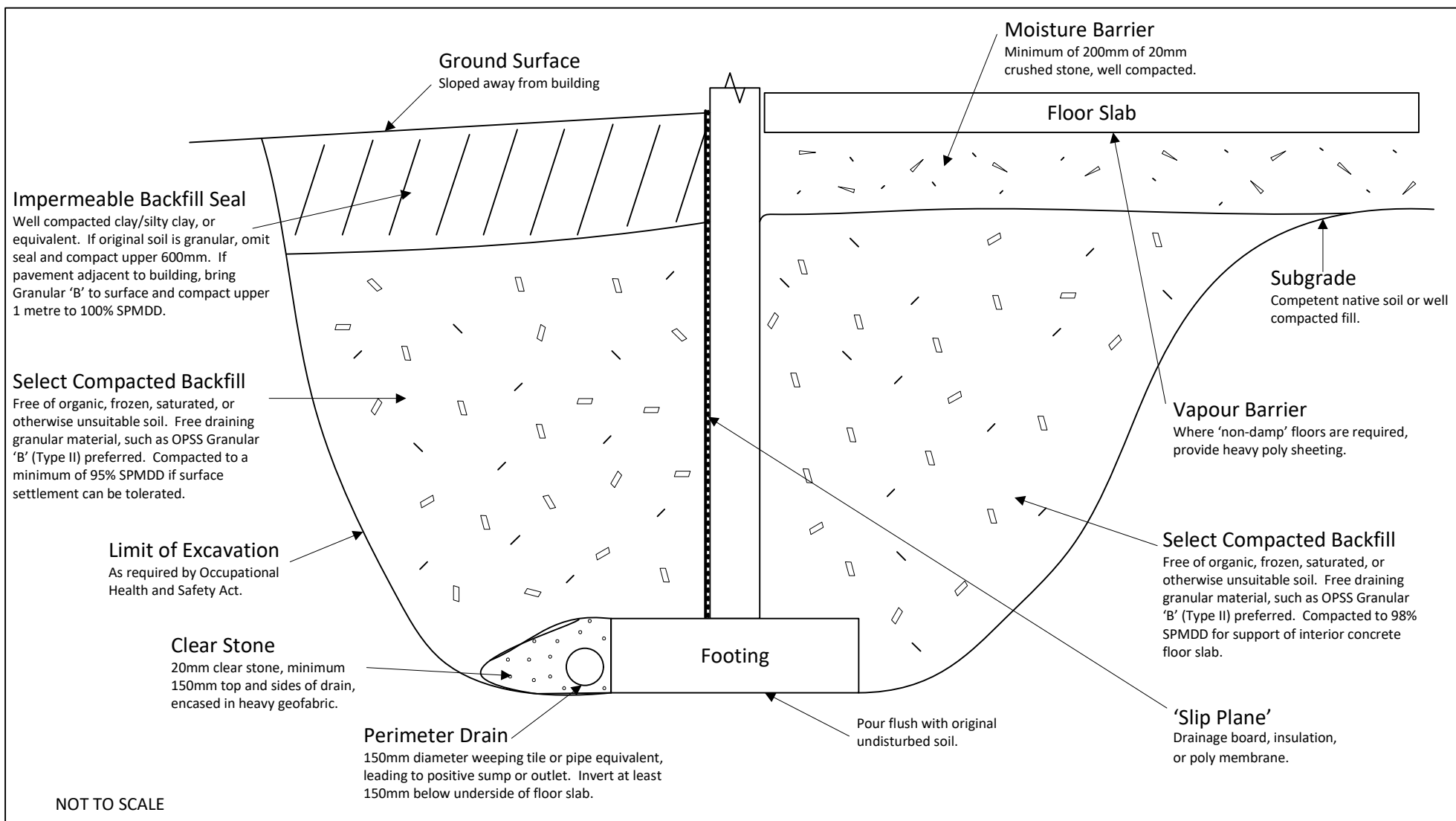
Mechanical & Hydrometer Analyses



CLAY	SILT	FINE	MEDIUM	COARSE	FINE	COARSE
		SAND			GRAVEL	

Lab No.: 24-302	Notes: Depth : 5'	
Borehole No.: 6		
Sample No.: 3		
CLAY [%]: 30	Soil Description: Brown Clayey Silt w/ a trace of Sand M.L. - Clayey silts with slight plasticity, inorganic silts and very fine sands, clayey fine sands	
SILT [%]: 65		
SAND [%]: 5	Estimated Infiltration Rate [mm/hr] : < 5	
GRAVEL [%]: 0	Estimated Permeability, k [cm/s] 10⁻⁸	
D ₁₀ (Effective Diam. in mm): 0.0002	Coefficient of Uniformity C _u : 55.0	Coefficient of Curvature C _c : 1.8
SOIL-MAT ENGINEERS & CONSULTANTS LTD.		
Mount Hope Elementary School - 9149 Airport Road, Mount Hope ON		
September 2024	Grain Size Analysis No. 2	Project No.: SM 240669-T





Soil-Mat Engineers & Consultants Ltd.

**Typical Design Requirements
Slab-on-Grade with Perimeter Drainage**

Project No.: SM 240669-G

Date: September 2024

Drawing No. 2



SOIL-MAT ENGINEERS & CONSULTANTS LTD.

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PROJECT No.: SM 240669-G

October 23, 2024

HOSSACK ARCHITECTURE
105 – 1939 Ironoak Way
Oakville, Ontario
L6H 3V8

Attention: Jonathan Knight, B.Arch.Sci., M.Arch., OAA, MRAIC

**SOIL CHARACTERISATION REPORT
PROPOSED ELEMENTARY SCHOOL ADDITION
9149 AIRPORT ROAD
MOUNT HOPE, ONTARIO**

Dear Mr. Knight,

Further to your authorisation, SOIL-MAT ENGINEERS & CONSULTANTS LTD. has completed our excess soil characterisation program in connection with the above noted project. Our formal comments with respect to the off-site disposal/re-use of surplus material on an off-site property are summarised herein.

INTRODUCTION

We understand that the project will involve the construction of an addition to the existing elementary school with asphalt paved parking lots and play areas at the Mount Hope Elementary School located at 9149 Airport Road in Mount Hope, Ontario. The purpose of this environmental sampling work is to collect representative samples of the subsurface soils for the purpose of background analytical testing, and to interpret the environmental data with respect the off-site disposal of excess soils generated during construction in accordance with Ontario Regulation 406/19 [as amended]. At this time an estimated volume of excess soil to be generated is unknown, however is anticipated to be relatively minimal, on the order of a few hundred cubic metres.

ASSESSMENT OF PAST USES

The subject site is located at 9149 Airport Road, Mount Hope, Ontario. Based on a review of available aerial images and experience in the area, the site has been historically utilised as an institutional property. The area surrounding the subject site is comprised of residential and agricultural land use properties.

Based on the land use of the subject site and surrounding areas as well as the estimated volume of excess soil to be generated, the site is considered 'low risk', and not subject to the requirement to register with the RPRA, and by extension the associated formal planning documents including Assessment of Past Uses [APU], Sampling and Analysis Plan [SAP], or Excess Soil Destination Assessment Report [ESDAR], as per section 8 of the Regulation, as follows:

Notice to be filed on Registry

8. *(1) Subject to subsections (2) and (3), the project leader for a project, respecting a project area described in subsection (1.1), shall ensure that, before removing from the project area soil that will become excess soil once removed, a notice is filed in the Registry setting out the information listed in Schedule 1. O. Reg. 406/19, s. 8 (1); O. Reg. 555/22, s. 2 (1).*

(1.1) A project area to which subsection (1) applies is one that meets any of the following criteria:

- 1. After making reasonable efforts to take into consideration any past reports about past uses and activities respecting the project area, the project leader is of the opinion that the project area is or has ever been, in whole or in part, an enhanced investigation project area, except if,*
 - i. a record of site condition has been filed in respect of the enhanced investigation project area under Part XV.1 of the Act and the record of site condition does not contain a certification made under subparagraph 4 ii of subsection 168.4 (1) of the Act in respect of a risk assessment, and*
 - ii. no part of the project area has been used as an enhanced investigation project area since the filing of the record of site condition mentioned in subparagraph i.*
- 2. Any part of the project area is located in an area of settlement within the meaning of the Planning Act and the amount of soil to be removed from the project area is 2,000 m³ or more, unless the whole project area is*

currently used for, or in the case of an unused area, its most recent use was for, any of the following within the meaning of Ontario Regulation 153/04:

- i. A residential use.*
- ii. An institutional use.*
- iii. A parkland use.*
- iv. An agricultural or other use.*

SAMPLING AND ANALYSIS PLAN

Based on the nature of the subject site and surrounding properties, the appropriate scope of testing would consist of a standard panel of metal and inorganic parameters [M&I], and petroleum hydrocarbons [PHCs] including benzene, toluene, ethylbenzene, and xylenes [BTEX]. At this time the volume of excess soil to be disposed of off-site is unknown, however is expected to be on the order of a few hundred cubic metres. Based on the anticipated volume it is our opinion that six [6] samples is sufficient to characterise the soil for the purpose of off-site disposal. Regardless, depending on the requirements of receiving sites, additional testing may be warranted.

SITE VISIT AND SOIL SAMPLING

A representative of SOIL-MAT ENGINEERS visited the site on August 19, 2024, where a total of seven [7] boreholes were advanced at the locations also illustrated in the attached Drawing No. 1, Borehole Location Plan as part of our geotechnical investigation for the proposed addition. The boreholes were advanced using solid stem auger equipment under the direction and supervision of a staff member of SOIL-MAT ENGINEERS, to termination at depths up to approximately 5.2 and 6.7 metres below the existing grade. Upon completion of drilling, the boreholes were backfilled in general accordance with Ontario Regulation 903 and the ground surface reinstated with the existing grade.

Soil samples from the boreholes were examined in the field for visual and olfactory evidence of potential impacts such as unusual staining and/or odours, etc. The soil samples were sealed in pre-cleaned wide mouth, amber glass sample jars and/or vials pre-charged with methanol preservative as supplied by the laboratory. The samples were stored and transported in a cooler and kept under ice packs to minimise potential volatilisation of select parameters. New disposable sampling gloves were used for the collection of each soil sample with care given not to make contact with the samples and gloves. Dedicated sample retrieval equipment, including a cleaned stainless-steel split spoon, was used to retrieve each sample before depositing it directly into the lab supplied sample jar.

LABORATORY ANALYTICAL TESTING

The secured soil samples were submitted to AGAT Laboratories [AGAT], [an accredited Canadian Environmental Laboratory] for laboratory analytical testing as detailed above, consisting of metals and inorganics [M/I], petroleum hydrocarbons [PHCs] including benzene, toluene, ethylbenzene and xylene mixture [BTEX], summarised as follows:

Summary of Sample Analyses

Sample ID	M/I	PHCs + BTEX
BH2 SS3	X	X
BH3 SS5	X	X
BH4 SS3	X	X
BH5 SS5	X	X
BH6 SS3	X	X
BH7 SS3	X	X

The laboratory analytical test results received in our office were compared with the applicable Excess Soil Quality Standards [ESQS] under Ontario Regulation 406/19: On-Site and Excess Soil Management, outlined as follows:

- **ONTARIO REGULATION 406/19 – TABLE 1:** Full Depth Background Site Condition Standards Residential/Parkland/Institutional [RPI] and Industrial/Commercial/Community [ICC] land use.
- **ONTARIO REGULATION 406/19 – TABLE 2.1:** Full Depth Excess Soil Quality Standards Residential/Parkland/Institutional and Industrial/Commercial/Community land use in a potable groundwater condition.
- **ONTARIO REGULATION 406/19 – TABLE 3.1:** Full Depth Excess Soil Quality Standards Residential/Parkland/Institutional and Industrial/Commercial/Community land use in a non-potable groundwater condition.

The results of this laboratory testing are presented in the attached AGAT Certificate of Analysis [AGAT Work Order Number 24T187630].

Based on SOIL-MAT ENGINEERS' field observations and laboratory analytical test results from AGAT, SOIL-MAT ENGINEERS is pleased to offer the following comments:

1. The submitted samples met the Table 1 [RPI/ICC] Standards for the parameters tested.
2. The submitted samples met the Table 2.1 and 3.1 [RPI and ICC] Standards for the parameters tested.

3. The soil sampled during this testing is believed to be representative of the soil conditions at the sample location only. No signs of contamination [odour, staining, etc.] were identified during soil sampling. This office should be contacted to re-assess the environmental characteristics of the soil if any unusual staining or odours are observed during future activities. The suitability of the soil as 'engineered fill' should be further assessed prior to such re-use.

ENVIRONMENTAL CONSIDERATIONS FOR SOIL REUSE

As the tested soil material has been shown to meet the Table 1, 2.1, and 3.1 [RPI and ICC] Standards, surplus subsoil material may be accepted at an off-site RPI or ICC property subject to Table 1, 2.1, or 3.1 Standards, pending approval of the receiving property owner or their designated Qualified Person [QP]. Depending on the volume of excess soil generated, as well as field screening during construction and requirements of receiving sites, additional testing may be required. Surplus soil may be re-used on site.

GEOTECHNICAL CONSIDERATIONS FOR SOIL REUSE

The subsurface soils were generally noted to consist of native clayey silt/silty clay. These soils are generally considered suitable for use as engineered fill, provided they are free of organics, debris, etc. Some sorting may be required to remove such deleterious inclusions, or such material may be utilised in non-settlement sensitive areas only. As with all engineered fill, material should be moisture conditioned as required and subjected to proper placement and compaction effort to achieve the required degree of compaction for the intended use at the receiving site. The receiving site should retain a third-party geotechnical consultant to monitor the receipt, placement and compaction of the fill material in accordance with the requirements of the project.



GENERAL COMMENTS

In the event that the soils encountered differ from those described above, SOIL-MAT ENGINEERS should be retained to further assess the geotechnical and environmental characteristics of the excess soil.

The material in this report reflects SOIL-MAT ENGINEERS' best judgement in light of the information available at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. SOIL-MAT ENGINEERS accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

We trust this is satisfactory for your purposes. Please feel free to contact our Office if you have any questions, or we may be of further service to you.

Yours very truly,
SOIL-MAT ENGINEERS & CONSULTANTS LTD.

Kevin Reid., B. Eng., EIT
Junior Engineer

Kyle Richardson, P. Eng., QP_{ESA}
Project Engineer



Enclosures: Drawing No. 1, Borehole Location Plan
Log of Borehole Nos. 1 through 7, inclusive
AGAT Certificate of Analysis: 24T187630

Distribution: Hossack Architecture [pdf]



LEGEND	
	Borehole Location
	Temporary Benchmark
	First Floor Elevation Assigned Elevation: 100.00m
NOTES	
1. This drawing should be read in conjunction with Soil-Mat Engineers & Consultants Ltd. Report No. SM 240669-G.	
2. Borehole locations are approximate.	
SOIL-MAT	
ENGINEERS & CONSULTANTS LTD.	
Geotechnical Investigation Proposed Elementary School Addition 9149 Airport Road Mount Hope, Ontario	
Borehole Location Plan	
Project No. SM 240669-G	
Date: September 2024	
Drawn: MG	
Drawing No. 1	

Log of Borehole No. 1

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

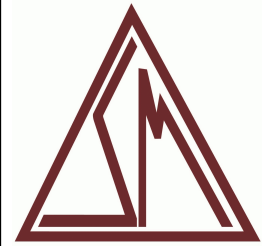
Client: Hossack Architecture


Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778755

E: 587739



Depth <div>ft m</div>	Elevation (m)	Symbol	Description	Well Data	SAMPLE						Moisture Content w% ▲ 10 20 30 40 ▲					
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test blows/300mm ● 20 40 60 80 ●				
0 0	99.04		Ground Surface													
1 0	98.70		<div>Topsoil</div> <div>Approximately 300 millimetres of topsoil.</div> <div>Clayey Silt</div> <div>Brown, reworked appearance in the upper levels, firm to hard.</div>													
2 0				SS	1	3,2,2,1	4									
3 1				SS	2	3,4,4,6	8									
4 1																
5 2				SS	3	4,5,8,11	13									
6 2																
7 2																
8 3																
9 3																
10 3																
11 3																
12 4																
13 4																
14 4																
15 5																
16 5	93.80															
17 5																
18 6			End of Borehole													
19 6			<div>NOTES:</div> <div>1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 5.2 metres.</div> <div>2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903.</div> <div>3. Soil samples will be discarded after 3 months unless otherwise directed by our client.</div>													
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Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

Soil-Mat Engineers & Consultants Ltd.

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 2

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

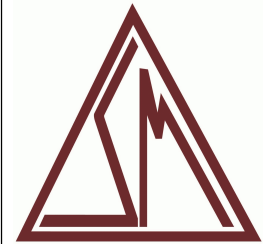
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778764

E: 587749



Depth ft m	Elevation (m)	Symbol	Description	Well Data	SAMPLE							Moisture Content w% ▲ 10 20 30 40 ▲				
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test blows/300mm ● 20 40 60 80 ●				
0	99.03		Ground Surface													
1	98.70		Topsoil Approximately 300 millimetres of topsoil.	SS	1	5,7,10,14	9		3.0							
2																
3	97.90		Silty Clay/Clayey Silt Fill Dark brown, occasional organic inclusions, stiff.	SS	2	4,5,4,4	9									
4																
5																
6																
7																
8			Clayey Silt Brown, reworked appearance in the upper levels, stiff to hard.	SS	3	3,4,5,6	12									
9																
10				SS	4	2,4,8,11	29		4.0							
11																
12																
13																
14																
15																
16																
17				SS	6	10,17,24,32	27		>4.5							
18	93.40															
19			Transition to Grey													
20																
21																
22	92.30			SS	7	8,12,15,16	17		>4.5							
23			End of Borehole													
24			NOTES: 1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 6.7 metres. 2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903. 3. Soil samples will be discarded after 3 months unless otherwise directed by our client.													
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NOTES:

- Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 6.7 metres.
- Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903.
- Soil samples will be discarded after 3 months unless otherwise directed by our client.

Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 3

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

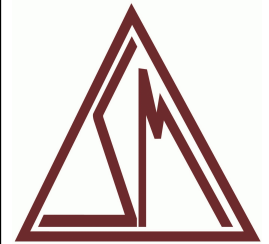
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4773760

E: 587762



Depth ft m	Elevation (m)	Symbol	Description	Well Data	SAMPLE							Moisture Content w% ▲ 10 20 30 40 ▲			
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test blows/300mm ● 20 40 60 80 ●			
0	99.07		Ground Surface												
1	98.80		Topsoil Approximately 300 millimetres of topsoil.		SS	1	2,2,3,4	5							
2			Clayey Silt Brown, reworked appearance in the upper levels, very stiff to hard.		SS	2	6,8,12,15	20		>4.5					
3					SS	3	7,10,12,15	22		>4.5					
4					SS	4	6,10,20,30	30		>4.5					
5					SS	5	12,26,37,52	63		>4.5					
6															
7	93.50		Transition to Grey												
8			End of Borehole NOTES: 1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 6.7 metres. 2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903. 3. Soil samples will be discarded after 3 months unless otherwise directed by our client.		SS	7	5,7,10,12	17		3.5					
9	92.40														
10															
11															
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Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 4

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

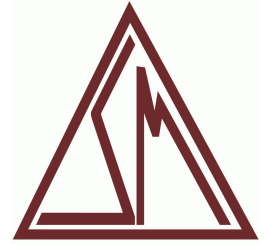
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778750

E: 587773



Depth ft m	Elevation (m)	Symbol	Description	Well Data	SAMPLE						Moisture Content w% ▲ 10 20 30 40 ▲				
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test ● blows/300mm ● 20 40 60 80			
0	99.09		Ground Surface												
1	98.70	●●●●	Pavement Structure Approximately 75 millimetres of asphaltic concrete overlying 300 millimetres of compact granular base.		SS	1	7,4,3,4	7	■						
2			Clayey Silt Brown, reworked appearance in the upper levels, very stiff to hard.		SS	2	4,6,11,13	17	■	>4.5					
3					SS	3	6,13,18,21	31	■	>4.5					
4					SS	4	10,19,27,35	46	■	>4.5					
5					SS	5	9,19,25,36	44	■	>4.5					
6															
7	93.90			SS	6	8,11,14,17	25	■	>4.5						
8			End of Borehole												
9			NOTES:												
10			1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 5.2 metres.												
11			2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903.												
12			3. Soil samples will be discarded after 3 months unless otherwise directed by our client.												
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Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 5

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

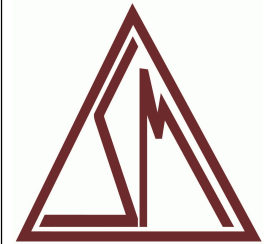
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778722

E: 587742



Depth ft m	Elevation (m)	Symbol	Description	Well Data	SAMPLE							Moisture Content w% ▲ 10 20 30 40 ▲					
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	Standard Penetration Test ● blows/300mm ● 20 40 60 80					
0	98.85		Ground Surface														
1	98.50		Topsoil Approximately 300 millimetres of topsoil.	SS	1	2,3,3,3	6										
2				SS	2	2,3,3,4	6										
3				Clayey Silt Brown, reworked appearance in the upper levels, firm to hard.	SS	3	5,7,11,13	18									
4					SS	4	8,15,24,33	39		>4.5							
5					SS	5	7,16,23,32	39		>4.5							
6																	
7	93.20			Transition to Grey													
8	92.10		End of Borehole	SS	7	6,10,12,13	22		>4.5								
9			NOTES: 1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 6.7 metres. 2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903. 3. Soil samples will be discarded after 3 months unless otherwise directed by our client.														
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Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 6

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

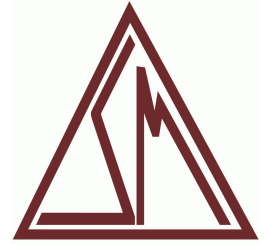
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778740

E: 587757



Depth	Elevation (m)	Symbol	Description	Well Data	SAMPLE							Moisture Content					
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	w%					
												10	20	30	40		
												Standard Penetration Test blows/300mm					
				20	40	60	80										
ft	m																
0	98.81		Ground Surface														
1	98.50		Topsoil	SS	1	3,3,3,3	6										
2			Approximately 300 millimetres of topsoil.														
3	97.70		Silty Clay/Clayey Silt Fill	SS	2	3,3,5,6	8										
4			Dark brown, occasional organic inclusions, firm.														
5			Clayey Silt	SS	3	3,4,6,7	10			3.5							
6			Brown, reworked appearance in the upper levels, stiff to hard.														
7				SS	4	7,14,22,27	36			>4.5							
8																	
9				SS	5	6,15,24,31	39			>4.5							
10																	
11																	
12																	
13																	
14																	
15																	
16	93.90		Transition to Grey	SS	6	8,10,14,15	24			>4.5							
17																	
18																	
19																	
20																	
21																	
22	92.10		End of Borehole	SS	7	7,10,15,19	25			>4.5							
23																	
24																	
25			NOTES:														
26			1. Borehole was advanced using solid														
27			stem auger equipment on August 19,														
28			2024 to termination at a depth of 6.7														
29			metres.														
30																	
31			2. Borehole was recorded as open and														
32			'dry' upon completion and backfilled as per														
33			Ontario Regulation 903.														
34																	
35			3. Soil samples will be discarded after 3														
36			months unless otherwise directed by our														
37			client.														
38																	
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40																	
41																	
42																	
43																	
44																	
45																	
46																	

Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

Soil-Mat Engineers & Consultants Ltd.

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Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

Log of Borehole No. 7

Project No: SM 240669-G

Project: Proposed Elementary School Addition

Location: 9149 Airport Road, Mount Hope

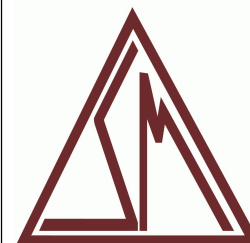
Client: Hossack Architecture

Project Manager: Adam Roemmele, P. Eng.

Borehole Location: See Drawing No. 1

UTM Coordinates - N: 4778714

E: 587788



Depth	Elevation (m)	Symbol	Description	Well Data	SAMPLE						Moisture Content				
					Type	Number	Blow Counts	Blows/300mm	Recovery	PP (kgf/cm2)	U.Wt. (kN/m3)	w%			
												10	20	30	40
Standard Penetration Test															
blows/300mm															
20 40 60 80															

ft	m	98.47		Ground Surface										
0	0	98.20		Topsoil Approximately 300 millimetres of topsoil.	SS	1	5,5,6,6	11						
1														
2	1				SS	2	2,2,5,7	7						
3				Silty Clay/Clayey Silt Fill Dark greyish brown, firm.										
4	1													
5														
6	2	96.60			SS	3	3,4,4,6	8						
7				Clayey Silt Brown, reworked appearance in the upper levels, trace gravel, occasional sand seams with depth, very stiff to hard.										
8	2													
9					SS	4	5,7,12,19	19		>4.5				
10	3													
11					SS	5	9,15,24,31	39		>4.5				
12														
13	4													
14														
15														
16	5	93.30			SS	6	10,23,25,25	48		>4.5				
17														
18				End of Borehole										
19														
20	6			NOTES:										
21				1. Borehole was advanced using solid stem auger equipment on August 19, 2024 to termination at a depth of 5.2 metres.										
22														
23	7													
24														
25														
26	8			2. Borehole was recorded as open and 'dry' upon completion and backfilled as per Ontario Regulation 903.										
27														
28														
29	9													
30				3. Soil samples will be discarded after 3 months unless otherwise directed by our client.										
31														
32														
33	10													
34														
35														
36	11													
37														
38														
39	12													
40														
41														
42	13													
43														
44														
45														
46														

Drill Method: Solid Stem Augers

Drill Date: August 19, 2024

Hole Size: 150 millimetres

Drilling Contractor: Elements Geo

Soil-Mat Engineers & Consultants Ltd.

401 Grays Road · Hamilton, Ontario · L8E 2Z3

T: 905.318.7440 · TF: 800.243.1922 · F: 905.318.7455

www.soil-mat.ca · E: info@soil-mat.ca

Datum: First Floor Elevation

Field Logged by: MG

Checked by: AR

Sheet: 1 of 1

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT
401 GRAYS ROAD
HAMILTON, ON L8E 2Z3
(905) 318-7440

ATTENTION TO: Malcolm Green

PROJECT: 240664

AGAT WORK ORDER: 24T187630

SOIL ANALYSIS REVIEWED BY: Sukhwinder Randhawa, Inorganic Team Lead

TRACE ORGANICS REVIEWED BY: Radhika Chakraborty, Trace Organics Lab Manager

DATE REPORTED: Aug 26, 2024

PAGES (INCLUDING COVER): 11

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

***Notes**

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
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- All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.
- This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.



Certificate of Analysis

AGAT WORK ORDER: 24T187630

PROJECT: 240664

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
<http://www.agatlabs.com>

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT

SAMPLING SITE: 9149 Airport Rd., Hamilton

ATTENTION TO: Malcolm Green

SAMPLED BY: MG

O. Reg. 153(511) - Metals & Inorganics (Soil)

DATE RECEIVED: 2024-08-20

DATE REPORTED: 2024-08-26

SAMPLE DESCRIPTION:				BH2 SS3	BH3 SS5	BH4 SS3	BH5 SS5	BH6 SS3	BH7 SS3
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2024-08-19	2024-08-19	2024-08-19	2024-08-19	2024-08-19 12:00	2024-08-19 12:00
Parameter	Unit	G / S	RDL	6089154	6089156	6089157	6089158	6089159	6089161
Antimony	µg/g	1.3	0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	µg/g	18	1	7	7	6	6	6	7
Barium	µg/g	220	2.0	89.2	93.9	87.2	75.2	101	89.3
Beryllium	µg/g	2.5	0.5	0.8	0.7	0.7	0.7	0.9	0.9
Boron	µg/g	36	5	12	13	11	12	11	10
Boron (Hot Water Soluble)	µg/g	NA	0.10	<0.10	0.15	<0.10	0.17	<0.10	<0.10
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chromium	µg/g	70	5	25	24	23	24	26	26
Cobalt	µg/g	21	0.8	14.1	15.4	13.1	11.7	14.2	13.3
Copper	µg/g	92	1.0	33.2	30.1	32.5	28.7	32.6	37.4
Lead	µg/g	120	1	12	19	11	10	11	11
Molybdenum	µg/g	2	0.5	<0.5	0.6	0.5	<0.5	<0.5	<0.5
Nickel	µg/g	82	1	27	29	27	23	30	28
Selenium	µg/g	1.5	0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Silver	µg/g	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	µg/g	1	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	µg/g	2.5	0.50	0.55	0.58	0.61	0.60	0.56	0.57
Vanadium	µg/g	86	2.0	32.9	31.3	29.9	30.3	32.8	33.9
Zinc	µg/g	290	5	69	70	65	66	67	68
Chromium, Hexavalent	µg/g	0.66	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cyanide, WAD	µg/g	0.051	0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Mercury	µg/g	0.27	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Electrical Conductivity (2:1)	mS/cm	0.57	0.005	0.209	0.196	0.265	0.167	0.204	0.185
Sodium Adsorption Ratio (2:1) (Calc.)	N/A	2.4	N/A	0.194	0.295	0.837	0.416	0.239	0.773
pH, 2:1 CaCl2 Extraction	pH Units		NA	6.87	6.89	6.89	6.94	6.96	7.00

Certified By:



Malcolm Green



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 24T187630

PROJECT: 240664

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
<http://www.agatlabs.com>

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT

SAMPLING SITE: 9149 Airport Rd., Hamilton

ATTENTION TO: Malcolm Green

SAMPLED BY: MG

O. Reg. 153(511) - Metals & Inorganics (Soil)

DATE RECEIVED: 2024-08-20

DATE REPORTED: 2024-08-26

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to O. Reg. 406/19 TABLE 1: Full Depth Background Site Condition - RPIC
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6089154-6089161 EC was determined on the DI water extract obtained from the 2:1 leaching procedure (2 parts DI water:1 part soil). pH was determined on the 0.01M CaCl₂ extract prepared at 2:1 ratio. SAR is a calculated parameter.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:



K. Rasmussen

Certificate of Analysis

AGAT WORK ORDER: 24T187630

PROJECT: 240664

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
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<http://www.agatlabs.com>

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT

ATTENTION TO: Malcolm Green

SAMPLING SITE: 9149 Airport Rd., Hamilton

SAMPLED BY: MG

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-08-20

DATE REPORTED: 2024-08-26

SAMPLE DESCRIPTION:				BH2 SS3	BH3 SS5	BH4 SS3	BH5 SS5	BH6 SS3	BH7 SS3
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2024-08-19	2024-08-19	2024-08-19	2024-08-19	2024-08-19 12:00	2024-08-19 12:00
Parameter	Unit	G / S	RDL	6089154	6089156	6089157	6089158	6089159	6089161
Benzene	µg/g	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Toluene	µg/g	0.2	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
m & p-Xylene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	µg/g		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes (Total)	µg/g	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
F1 (C6 to C10)	µg/g		5	<5	<5	<5	<5	<5	<5
F1 (C6 to C10) minus BTEX	µg/g	25	5	<5	<5	<5	<5	<5	<5
F2 (C10 to C16)	µg/g	10	10	<10	<10	<10	<10	<10	<10
F3 (C16 to C34)	µg/g	240	50	<50	<50	<50	<50	<50	<50
F4 (C34 to C50)	µg/g	120	50	<50	<50	<50	<50	<50	<50
Gravimetric Heavy Hydrocarbons	µg/g		50	NA	NA	NA	NA	NA	NA
Moisture Content	%		0.1	18.8	11.4	13.7	13.7	17.4	18.9
Surrogate	Unit	Acceptable Limits							
Toluene-d8	% Recovery	60-140							
Terphenyl	%	60-140							

Certified By:

R. Chakraborty



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 24T187630

PROJECT: 240664

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<http://www.agatlabs.com>

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT

SAMPLING SITE: 9149 Airport Rd., Hamilton

ATTENTION TO: Malcolm Green

SAMPLED BY: MG

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

DATE RECEIVED: 2024-08-20

DATE REPORTED: 2024-08-26

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to O. Reg. 406/19 TABLE 1: Full Depth Background Site Condition - RPIC
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6089154-6089161 Results are based on sample dry weight.
The C6-C10 fraction is calculated using Toluene response factor.
Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylene and o-Xylene.
C6-C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.
The calculated parameters are non-accredited. The parameters that are components of the calculation are accredited.
The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.
Gravimetric Heavy Hydrocarbons are not included in the Total C16-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.
The chromatogram has returned to baseline by the retention time of nC50.
Total C6 - C50 results are corrected for BTEX contribution.
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.
nC6 and nC10 response factors are within 30% of Toluene response factor.
nC10, nC16 and nC34 response factors are within 10% of their average.
C50 response factor is within 70% of nC10 + nC16 + nC34 average.
Linearity is within 15%.
Extraction and holding times were met for this sample.
Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.
Quality Control Data is available upon request.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

R. Chakraborty

Quality Assurance

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT

AGAT WORK ORDER: 24T187630

PROJECT: 240664

ATTENTION TO: Malcolm Green

SAMPLING SITE: 9149 Airport Rd., Hamilton

SAMPLED BY: MG

Soil Analysis

RPT Date: Aug 26, 2024			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Soil)															
Antimony	6087639		<0.8	<0.8	NA	< 0.8	135%	70%	130%	101%	80%	120%	111%	70%	130%
Arsenic	6087639		6	6	0.0%	< 1	127%	70%	130%	97%	80%	120%	101%	70%	130%
Barium	6087639		57.5	55.8	3.0%	< 2.0	103%	70%	130%	101%	80%	120%	105%	70%	130%
Beryllium	6087639		<0.5	<0.5	NA	< 0.5	114%	70%	130%	110%	80%	120%	89%	70%	130%
Boron	6087639		<5	<5	NA	< 5	93%	70%	130%	100%	80%	120%	98%	70%	130%
Boron (Hot Water Soluble)	6087639		0.12	0.12	NA	< 0.10	94%	60%	140%	106%	70%	130%	106%	60%	140%
Cadmium	6087639		<0.5	<0.5	NA	< 0.5	105%	70%	130%	98%	80%	120%	74%	70%	130%
Chromium	6087639		12	13	NA	< 5	121%	70%	130%	95%	80%	120%	78%	70%	130%
Cobalt	6087639		3.9	3.9	NA	< 0.8	109%	70%	130%	94%	80%	120%	98%	70%	130%
Copper	6087639		5.0	5.0	0.0%	< 1.0	108%	70%	130%	100%	80%	120%	97%	70%	130%
Lead	6087639		7	7	0.0%	< 1	107%	70%	130%	93%	80%	120%	99%	70%	130%
Molybdenum	6087639		<0.5	<0.5	NA	< 0.5	119%	70%	130%	100%	80%	120%	76%	70%	130%
Nickel	6087639		7	6	15.4%	< 1	110%	70%	130%	91%	80%	120%	97%	70%	130%
Selenium	6087639		<0.8	<0.8	NA	< 0.8	112%	70%	130%	100%	80%	120%	74%	70%	130%
Silver	6087639		<0.5	<0.5	NA	< 0.5	103%	70%	130%	98%	80%	120%	71%	70%	130%
Thallium	6087639		<0.5	<0.5	NA	< 0.5	105%	70%	130%	106%	80%	120%	80%	70%	130%
Uranium	6087639		<0.50	<0.50	NA	< 0.50	100%	70%	130%	89%	80%	120%	94%	70%	130%
Vanadium	6087639		23.6	24.7	4.6%	< 2.0	125%	70%	130%	87%	80%	120%	91%	70%	130%
Zinc	6087639		34	33	3.0%	< 5	119%	70%	130%	101%	80%	120%	111%	70%	130%
Chromium, Hexavalent	6089161	6089161	<0.2	<0.2	NA	< 0.2	107%	70%	130%	92%	80%	120%	70%	70%	130%
Cyanide, WAD	6089857		<0.040	<0.040	NA	< 0.040	98%	70%	130%	102%	80%	120%	89%	70%	130%
Mercury	6087639		<0.10	<0.10	NA	< 0.10	125%	70%	130%	98%	80%	120%	101%	70%	130%
Electrical Conductivity (2:1)	6087639		0.118	0.139	16.3%	< 0.005	101%	80%	120%						
Sodium Adsorption Ratio (2:1) (Calc.)	6087639		0.170	0.166	2.4%	NA									
pH, 2:1 CaCl2 Extraction	6087629		6.80	6.81	0.1%	NA	100%	80%	120%						

Comments: NA signifies Not Applicable.

pH duplicates QA acceptance criteria was met relative as stated in Table 5-15 of Analytical Protocol document.

Duplicate NA: results are under 5X the RDL and will not be calculated.

More than 90% of the elements met acceptance limits and overall data quality is acceptable for use. For a multi-element scan up to 10% of analytes may exceed the quoted limits by up to 10% absolute.

Certified By:


Subhinder Kaur Randhawa



Quality Assurance

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT

AGAT WORK ORDER: 24T187630

PROJECT: 240664

ATTENTION TO: Malcolm Green

SAMPLING SITE: 9149 Airport Rd., Hamilton

SAMPLED BY: MG

Trace Organics Analysis

RPT Date: Aug 26, 2024

RPT Date: Aug 26, 2024			DUPLICATE			Method Blank	REFERENCE MATERIAL		METHOD BLANK SPIKE		MATRIX SPIKE	
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper

O. Reg. 153(511) - PHCs F1 - F4 (Soil)

Benzene	6089161	6089161	<0.02	<0.02	NA	< 0.02	71%	60%	140%	81%	60%	140%	71%	60%	140%
Toluene	6089161	6089161	<0.05	<0.05	NA	< 0.05	74%	60%	140%	67%	60%	140%	87%	60%	140%
Ethylbenzene	6089161	6089161	<0.05	<0.05	NA	< 0.05	71%	60%	140%	77%	60%	140%	68%	60%	140%
m & p-Xylene	6089161	6089161	<0.05	<0.05	NA	< 0.05	87%	60%	140%	86%	60%	140%	88%	60%	140%
o-Xylene	6089161	6089161	<0.05	<0.05	NA	< 0.05	72%	60%	140%	70%	60%	140%	70%	60%	140%
F1 (C6 to C10)	6089161	6089161	<5	<5	NA	< 5	101%	60%	140%	83%	60%	140%	90%	60%	140%
F2 (C10 to C16)	6085893		< 10	< 10	NA	< 10	94%	60%	140%	111%	60%	140%	113%	60%	140%
F3 (C16 to C34)	6085893		< 50	< 50	NA	< 50	97%	60%	140%	128%	60%	140%	126%	60%	140%
F4 (C34 to C50)	6085893		< 50	< 50	NA	< 50	65%	60%	140%	87%	60%	140%	94%	60%	140%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Certified By:

R. Chakraborty

QC Exceedance

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT

AGAT WORK ORDER: 24T187630

PROJECT: 240664

ATTENTION TO: Malcolm Green

RPT Date: Aug 26, 2024		REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Sample Id	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
			Lower	Upper		Lower	Upper		Lower	Upper

O. Reg. 153(511) - Metals & Inorganics (Soil)

Antimony	135%	70%	130%	101%	80%	120%	111%	70%	130%
----------	------	-----	------	------	-----	------	------	-----	------

Comments: NA signifies Not Applicable.

pH duplicates QA acceptance criteria was met relative as stated in Table 5-15 of Analytical Protocol document.

Duplicate NA: results are under 5X the RDL and will not be calculated.

More than 90% of the elements met acceptance limits and overall data quality is acceptable for use. For a multi-element scan up to 10% of analytes may exceed the quoted limits by up to 10% absolute.

Method Summary

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT
AGAT WORK ORDER: 24T187630
PROJECT: 240664
ATTENTION TO: Malcolm Green
SAMPLING SITE: 9149 Airport Rd., Hamilton
SAMPLED BY: MG

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Antimony	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Arsenic	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Barium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Beryllium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Boron	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Boron (Hot Water Soluble)	MET-93-6104	modified from EPA 6010D and MSA PART 3, CH 21	ICP/OES
Cadmium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Chromium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Cobalt	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Copper	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Lead	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Molybdenum	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Nickel	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Selenium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Silver	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Thallium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Uranium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Vanadium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Zinc	MET 93 -6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Chromium, Hexavalent	INOR-93-6068	modified from EPA 3060 and EPA 7196	SPECTROPHOTOMETER
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015, SM 4500-CN- I, G-387	SEGMENTED FLOW ANALYSIS
Mercury	MET-93-6103	modified from EPA 7471B and SM 3112 B	ICP-MS
Electrical Conductivity (2:1)	INOR-93-6075	modified from MSA PART 3, CH 14 and SM 2510 B	PC TITRATE
Sodium Adsorption Ratio (2:1) (Calc.)	INOR-93-6007	modified from EPA 6010D & Analytical Protocol	ICP/OES
pH, 2:1 CaCl ₂ Extraction	INOR-93-6075	modified from EPA 9045D, MCKEAGUE 3.11 E3137	PC TITRATE

Method Summary

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT

AGAT WORK ORDER: 24T187630

PROJECT: 240664

ATTENTION TO: Malcolm Green

SAMPLING SITE: 9149 Airport Rd., Hamilton

SAMPLED BY: MG

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Benzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Toluene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Ethylbenzene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
m & p-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
o-Xylene	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
Xylenes (Total)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/MS
F1 (C6 to C10)	VOL-91-5009	modified from CCME Tier 1 Method	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5009	modified from CCME Tier 1 Method	P&T GC/FID
Toluene-d8	VOL-91-5009	modified from EPA SW-846 5030C & 8260D	(P&T)GC/MS
F2 (C10 to C16)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F3 (C16 to C34)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
F4 (C34 to C50)	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID
Gravimetric Heavy Hydrocarbons	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Moisture Content	VOL-91-5009	modified from CCME Tier 1 Method	BALANCE
Terphenyl	VOL-91-5009	modified from CCME Tier 1 Method	GC/FID



Laboratory Use Only

Work Order #:

24T187630

Cooler Quantity:

24

Arrival Temperatures:

6.8 7.4 7.9

Depot Temperatures:

7.8 7.3 7.4

Custody Seal Intact:

☐ Yes ☒ No ☐ N/A

Notes:

LI

Turnaround Time (TAT) Required:

Regular TAT

☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

☐ 3 Business Days

☐ 2 Business Days

☐ Next Business Day

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT
*TAT is exclusive of weekends and statutory holidays

For 'Same Day' analysis, please contact your AGAT CSR

Chain of Custody Record

If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans)

Report Information:

Company: Soil-Mat
Contact: Malcolm Green
Address: 401 Grays Rd., Hamilton
Phone: 905-902-5707 Fax:
Reports to be sent to: mgreen@soilmat.ca
1. Email: Kreide@soilmat.ca
2. Email:

Regulatory Requirements:

(Please check all applicable boxes)

☐ Regulation 153/04

☒ Regulation 406

☐ Sewer Use

☐ Sanitary ☐ Storm

Table Indicate One

☐ Ind/Com

☐ Res/Park

☐ Agriculture

Table Indicate One

☐ Ind/Com

☐ Res/Park

☐ Agriculture

Region

☐ Prov. Water Quality Objectives (PWQO)

☐ Other

Indicate One

Soil Texture (Check One)

☐ Coarse

☐ Fine

☐ Regulation 558

☐ CCME

Project Information:

Project: 240669
Site Location: 9148 Airport Rd., Hamilton
Sampled By: MG
AGAT Quote #: PO:
Please note: If quotation number is not provided, client will be billed full price for analysis.

Is this submission for a Record of Site Condition (RSC)?

☐ Yes ☐ No

Report Guideline on Certificate of Analysis

☐ Yes ☐ No

Legal Sample ☐

Sample Matrix Legend

GW Ground Water SD Sediment
O Oil SW Surface Water
P Paint R Rock/Shale
S Soil

Invoice Information:

Bill To Same: Yes ☒ No ☐

Company:
Contact:
Address:
Email:

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Y / N	Field Filtered - Metals, Hg, CrVI, DOC	Metals & Inorganics	Metals - <input type="checkbox"/> CrVI, <input type="checkbox"/> Hg, <input type="checkbox"/> HWSB	BTEX, F1-F4, PHCs	VOC	PAHs	PCBs: Aroclors <input type="checkbox"/>	Regulation 406 Characterization Package pH, Metals, BTEX, F1-F4	EC, SAR	Regulation 406 SPLP Rainwater Leach mSPLP: <input type="checkbox"/> Metals <input type="checkbox"/> VOCs <input type="checkbox"/> SVOCs <input type="checkbox"/> OC	Landfill Disposal Characterization TCLP: TCLP: <input type="checkbox"/> Metals <input type="checkbox"/> VOCs <input type="checkbox"/> Aroclors <input type="checkbox"/> PCBs	Corrosivity: <input type="checkbox"/> Moisture <input type="checkbox"/> Sulphide	Potentially Hazardous or High Concentration (Y/N)
1. BH2 SS3	Aug 19	AM	3	S				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
2. BH3 SS5		AM						<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
3. BH4 SS3		AM						<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
4. BH5 SS5		AM						<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
5. BH6 SS3		AM						<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
6. BH7 SS3		AM						<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									
7.		AM																	
8.		AM																	
9.		AM																	
10.		AM																	
11.		AM																	

Samples Relinquished By (Print Name and Sign):	Date:	Time:	Samples Received By (Print Name and Sign):	Date:	Time:
				Aug 20	4:15 PM
Samples Relinquished By (Print Name and Sign):	Date:	Time:	Samples Received By (Print Name and Sign):	Date:	Time:
Samples Relinquished By (Print Name and Sign):	Date:	Time:	Samples Received By (Print Name and Sign):	Date:	Time:

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