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Addendum #1

ITT 2025-18

**General Contractor Services for Daycare Addition project at
ÉEC Sainte-Marguerite-Bourgeoys, Brantford**

New Closing Date: March 18, 2025 at 2:00 PM local time

This Addendum forms part of the Contract Documents and amends the original Bids Documents and Specifications as noted below.

Ensure all parties submitting bids are aware of all items included in this Addendum.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject bidder to disqualification.

PART I – QUESTIONS AND ANSWERS

Question 1: Can we please request an extension on the tender closing.

Answer 1: The Board agrees to extend the submission deadline to March 18, 2025, at 2:00 PM local time. The ITT Timetable has been updated accordingly in PART III – CHANGES.

Question 2: It is mentioned under cash allowances section that Landscaping material will be under cash allowances, would you please confirm that turf restoration and trees shown on drawings will be under this cash allowance.

Answer 2: The Landscaping allowance is for the supply of trees only. All other landscape work is included in the base bid.

Question 3: Drawing C1.1 notes to "Remove ex trees and salvage to relocate at owner's direction." Please Clarify for how long do we have to salvage the trees? or do we have to relocate them right away after removing them?

Answer 3: Trees being relocated should be replanted within 24 to 48 hours of being dug up to minimize stress on the tree and ensure its survival. Drawing A1.1: Add reference to relocate the trees indicated to be relocated on Drawing C1.1.

Question 4: Drawing C0.0, detail 3 states to remove remnants of the septic bed and dispose, please provide the thickness of this septic bed.

Answer 4: Please refer to the enclosed drawings for the installation of the abandoned septic system.

Question 5: Would you please extend the question deadline by one week?

Answer 5: Please refer to Answer 1.

Question 6: Would you kindly extend the Bid Submission deadline?

Answer 6: Please refer to Answer 1.

Question 7: Specification section 12 55 20 Window Shades, under part 2.1 Products specifies Face-mounted shades with chain and remote motorized operator; However, there are no motorized operator is mentioned under Materials. In case motorized operator is required please provide specification. If not, please confirm the manual operator.

Answer 7: The window shades will be operated manually.

Question 8: Please indicate which windows are receiving window shades as it is not clear on the drawings.

Answer 8: Install shades on the windows in Room 135 (2 windows).

Question 9: Please indicate which walls are fire rated and how many hours fire rating is required.

Answer 9: Please refer to the fire separation at Daycare Classroom 135 and Stair 136, as referenced on the Reflected ceiling plan on Drawing A2.1.

Question 10: The specifications' section 04 20 00, Part 2.1.2.2 mentions a Brick Allowance of \$900 (M); however, this is not referenced in the cash allowance section. Additionally, after consulting our masonry supplier, we found that this price does not seem accurate. Please clarify this allowance.

Answer 10: 2. Burned Clay Brick:

2.1 - Delete reference to metric modular size. Size to match existing.

2.2 - Delete reference to allowance. Masonry is base bid.

Question 11: Would you add Daikin as an approved equal for RTU-4.

Answer 11: Alternate manufacturers meeting all technical requirements including electrical, unit weight, refrigerant, exhaust fan features, controls, etc. will be considered equal.

PART II – REFERENCES ATTACHED DOCUMENTS

1.1. Drawing A1.1:

1.1.1. Partial Enlarged Site Plan: Change reference from existing cast concrete slab to existing asphalt for saw cutting and making good at outdoor play area south of the new stair addition.

1.2. Drawing A2.1 - Partial Ground Floor Plan (and Room Finish Schedule):

1.2.1. Exist'g Corridor 126A: Change floor and base finish reference from terrazzo to sheet vinyl and R.B. The sheet vinyl is assumed to be Mondo.

1.2.2. Stair 136: Delete reference to V.C.T. floor finish and R.B.. Floor finish and base at ground floor to be porcelain tile.

1.2.3. Vestibule 135A: Delete reference to V.C.T. floor finish and R.B.. Floor finish and base to be porcelain tile.

1.2.4. Refer to enclosed tile Section 09 30 00. (annexe Ad1-1)

1.3. Drawing ED1.1 – Second Floor Demolition Plan: Include to remove the existing wall mounted camera and related on the ext. of the south wall at the stair to be removed. Turn over camera to the Owner.

1.4. Drawings M3.1, M3.4, E1.3: Refer to enclosed Mechanical Addendum M-01 for RTU and related revisions. (annexe Ad1-2)

1.5. Drawings for installation of abandoned septic system. (annexe Ad1-3)

PART III – CHANGES

PART 1 – INVITATION AND SUBMISSION INSTRUCTIONS

1.5 ITT Timetable

Please replace to read:

Issue Date of ITT	February 13, 2025
Site Visit / Pre-Bid Meeting Note: The site visit is <u>optional</u> for Mechanical and Electrical subcontractors but mandatory for General Contractors . Participants should meet the Board's Project Officer at the main entrance of the school.	February 19, 2025 at 2:00 PM Local time Location: ÉÉC Sainte-Marguerite-Bourgeoys 60 Clench Ave, Brantford, ON N3T 1B9 On-site contact: Richard Lehoux, Project Officer Cell: 647-234-8409
Deadline for Questions	February 24, 2025 at 12:00 PM local time
Deadline for Issuing Addenda	February 27, 2025 at 12:00 PM local time
Submission Deadline	March 18, 2025 at 2:00 PM local time
Anticipated Execution Date for Agreement	Site work may begin as soon as possible and as early as June 1st, 2025, with a substantial completion date July 1, 2026.
Irrevocability Period	Ninety (90) days

The ITT timetable is tentative only, and may be changed by the Board at any time.

END OF ADDENDUM 1

SECTION 09 30 00 - TILING

PART 1 GENERAL

1.1 RELATED REQUIREMENTS

1. Section 09 21 16 - Gypsum Board Assemblies: Tile backer board.

1.2 REFERENCE STANDARDS

1. ANSI A108.13 - American National Standard for Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone 2005 (Reaffirmed 2010).
2. ANSI A118.7 - American National Standard Specifications for High Performance Cement Grouts for Tile Installation 2010 (Reaffirmed 2016).
3. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring 2021.
4. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride 2022.

1.3 SUBMITTALS

1. See Section 01 30 00 - Administrative Requirements for submittal procedures.
2. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.
3. Shop Drawings: Indicate tile layout, patterns, colour arrangement, perimeter conditions, junctions with dissimilar materials, control and expansion joints, thresholds, ceramic accessories, and setting details.
4. Samples: Mount tile and apply grout on two plywood panels, minimum 460 mm by 460 mm in size illustrating pattern, colour variations, and grout joint size variations.

1.4 MOCK-UPS

1. See Section 01 40 00 - Quality Requirements for additional requirements.
2. Construct tile mock-up where indicated on Drawings, incorporating all components specified for the location.
 - 2.1 Minimum size of mock-up is indicated on Drawings.
 - 2.2 Approved mock-up may remain as part of the Work.
 - 2.3 Demolish mock-up when directed by Consultant, and remove debris from the site.

1.5 DELIVERY, STORAGE, AND HANDLING

1. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.6 SITE CONDITIONS

1. Do not install solvent-based products in an unventilated environment.
2. Maintain ambient and substrate temperature no lower than 10 degrees C during installation of mortar materials.

PART 2 PRODUCTS

2.1 MATERIALS

1. **Adhesives:**
 - 1.1 Thin Set Mortar: Equal to Laticrete 254 "Platinum" multipurpose thick set mortar with Microban to A.N.S.I 118.4 (interior/exterior) or equal by Mapei.
2. **Water:** potable, free of minerals which are detrimental to mortar and grout mixes.
3. **Grout:** equal to Laticrete tripoly fortified Portland cement grout fortified with Laticrete 1776 grout Admix Plus – with Microban – to A.N.S.I 118.7
 - 3.1 Grout mixtures, colours, additives and preparation will be in accordance with manufacturer's recommendations.
 - 3.2 Portland cement grout.
 - 3.3 Dry curing wall grout.

4. **Control Joint Sealant:** equal to Latasil tile and stone sealant with Alickoba.
5. **Trim:** Schluter Systems profiles or equal by Benguard Floor Mouldings.
6. **Porcelain Floor/ Wall Tile:**
 - 6.1 Daltile, Slate Attache Collection, Porcelain Tile, or approved equal.
 - 6.2 Format 12x24 Tile, 3/8" thick, Matte Finish
 - 6.3 Allow for 2 colours from full range. See Floor Finish Plans & Interior Elevations for locations & layouts.

- RESERVED -

2.2 SETTING MATERIALS

2.3 GROUTS

1. High Performance Polymer Modified Grout: ANSI A118.7 polymer modified cement grout.
 - 1.1 Applications: Use this type of grout where indicated and where no other type of grout is indicated.
 - 1.2 Use sanded grout for joints 3.2 mm wide and larger; use unsanded grout for joints less than 3.2 mm wide.
 - 1.3 Colour(s): As selected by Consultant from manufacturer's full line.
 - 1.4 Colour(s): As indicated on Drawings.
 - 1.5 Equal to Laticrete tripoly fortified Portland cement grout fortified with Laticrete 1776 grout Admix Plus – with Microban.

PART 3 EXECUTION

3.1 EXAMINATION

1. Verify that sub-floor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.
2. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.
3. Verify that sub-floor surfaces are dust-free and free of substances that could impair bonding of setting materials to sub-floor surfaces.
4. Verify that concrete sub-floor surfaces are ready for tile installation by testing for moisture emission rate and alkalinity; obtain instructions if test results are not within limits recommended by tile manufacturer and setting materials manufacturer.
5. Verify that concrete sub-floor surfaces are ready for tile installation by testing for moisture emission rate and alkalinity; obtain instructions if test results are not within the following limits:
 - 5.1 Moisture Vapour Emission Rate: Not greater than 7.1 kg per 100 sq m per 24 hours, test in accordance with ASTM F1869.

5.2 Alkalinity (pH): Verify pH range of 5 to 9, test in accordance with ASTM F710.

6. Verify that required floor-mounted utilities are in correct location.

3.2 PREPARATION

1. Protect surrounding work from damage.
2. Vacuum clean surfaces and damp clean.
3. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.
4. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

3.3 INSTALLATION - GENERAL

1. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
2. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
3. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.
4. Form internal angles square and external angles bullnosed.
5. Sound tile after setting. Replace hollow sounding units.
6. Keep control and expansion joints free of mortar, grout, and adhesive.
7. Prior to grouting, allow installation to completely cure; minimum of 48 hours.
8. Grout tile joints unless otherwise indicated. Use standard grout unless otherwise indicated.
9. At changes in plane and tile-to-tile control joints, use flexible grout, with either bond breaker tape or backer rod as appropriate to prevent three-sided bonding.

3.4 INSTALLATION - FLOORS - MORTAR BED METHODS

1. Mortar Bed Thickness: 16 mm, unless otherwise indicated.

3.5 CLEANING

1. Clean tile and grout surfaces.

3.6 PROTECTION

1. Do not permit traffic over finished floor surface for 4 days after installation.

END OF SECTION

MECHANICAL ADDENDUM

M-01

Client:	Mon Avenir	Date:	February 26, 2025
Project:	CSCMA Sainte Marguerite Bourgeoys Daycare	Project No.:	21-153

This addendum forms part of the contract documents and amends the original bidding requirements, drawings and specifications noted below.

1.0 Mechanical

1.1 Drawings:

- .1 M3.1 Details and Schedule
 - .1 RTU schedule updated to match AAON RTU with power exhaust fan.
- .2 M3.4 Details and Schedule
 - .1 Control Schematics for RTU updated to reflect power exhaust fan.

2.0 Electrical

2.1 Drawings:

- .1 E1.3 Second floor and roof lighting, power, fire alarm plan & panel schedule.
 - .1 Changed RTU-4 breaker size from 35 to 50 A.

END OF ADDENDUM M-01

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TAG	SUPPLY FAN				DEMAND CONTROL VENTILATION		COOLING COIL					GAS HEATING				ELECTRICAL (MAIN POWER)				WEIGHT (lbm)	MANUFACTURER AND MODEL (BASIS OF DESIGN: AAO)
	AIR FLOW (CFM)	E.S.P. (IN.WG.)	FRPM	HP	MIN. OUTDOOR AIR FLOW (CFM)	MAX. OUTDOOR AIR FLOW (CFM)	E.A.T. DB/WB (°F)	L.A.T. DB/WB (°F)	REFRIGERANT	TOTAL CAP. (MBH)	SENS. CAP. (MBH)	INPUT (MBH)	OUTPUT (MBH)	EFFICIENCY	TURNDOWN	MCOP	MCA	FLA	VOLTAGE		
RTU-4	1300	0.35	1509	1	224	650	81.00/69.30	58.0/56.9	R-454-B	52.3	33.8	100	81	81%	8.3:1	50	38	34	208V/3Ø/60Hz	722	AAON MODEL: RQ-004-3-0-6AAY-Y0-21-000-A ROOFTOP UNIT C/W FULLY MODULATING DUAL ENTHALPY ECONOMIZER, 115V CONVENIENCE OUTLET FIELD WIRED, MERV 13 FILTERS, VAV UNIT CONTROLLER (VAV COOL, CV HEAT), CLOGGED FILTER SWITCH, VARIABLE CAPACITY COMPRESSOR, HIGH TURNDOWN GAS BURNER, DEMAND CONTROL VENTILATION C/W DUCT CO2 SENSOR (FIELD INSTALLED), MANUFACTURER-SUPPLIED 18" ROOF CURB. UNIT CONTROLLER C/W BACNET OUTPUT, MANUFACTURER-SUPPLIED THERMOSTAT WITH UNIT MONITORING OF STANDARD FACTORY CONTROL POINTS.

TAG	LOCATION	AREA SERVED	AIRFLOW (CFM)	E.S.P. (IN.W.G.)	ELECTRICAL			TYPE	FAN RPM	MANUFACTURER AND MODEL (BASIS OF DESIGN: GREENHECK)
					HP	AMPS	VOLT/PH/Hz			
EF-1	AS INDICATED	ROOM 135A	200	0.2	-	0.71	115V/10/60Hz	IN-LINE	908	GREENHECK MODEL: CSP-8200 C/W SOLID STATE SPEED CONTROL, 6 AMP, SHIPPED LOOSE. ISOLATION KIT SHIPPED LOOSE, ROUND DUCT CONNECTION, PLUG TYPE DISCONNECT, HOODED WALL CAP.

TAG	SIZE (MM)	APPLICATION	NECK SIZE (MM)	AIR FLOW RANGE (CFM)	MANUFACTURER AND MODEL (BASIS OF DESIGN: EH, PRICE)
S-1	24"x24"	SUPPLY AIR	AS INDICATED	AS INDICATED	EH, PRICE MODEL: SCD DIFFUSER, WHITE POWDER COAT FINISH, 3 COCENTRIC CONES
R-1	AS INDICATED	RETURN AIR	AS INDICATED	AS INDICATED	EH, PRICE MODEL: 80 SERIES, ALUMINIUM CONSTRUCTION, EGGGRATE FACE RETURN, WHITE POWDER COAT FINISH.
TE-1	AS INDICATED	EXHAUST	AS INDICATED	AS INDICATED	EH, PRICE MODEL: 80 SERIES, ALUMINIUM CONSTRUCTION, EGGGRATE FACE RETURN, WHITE POWDER COAT FINISH.

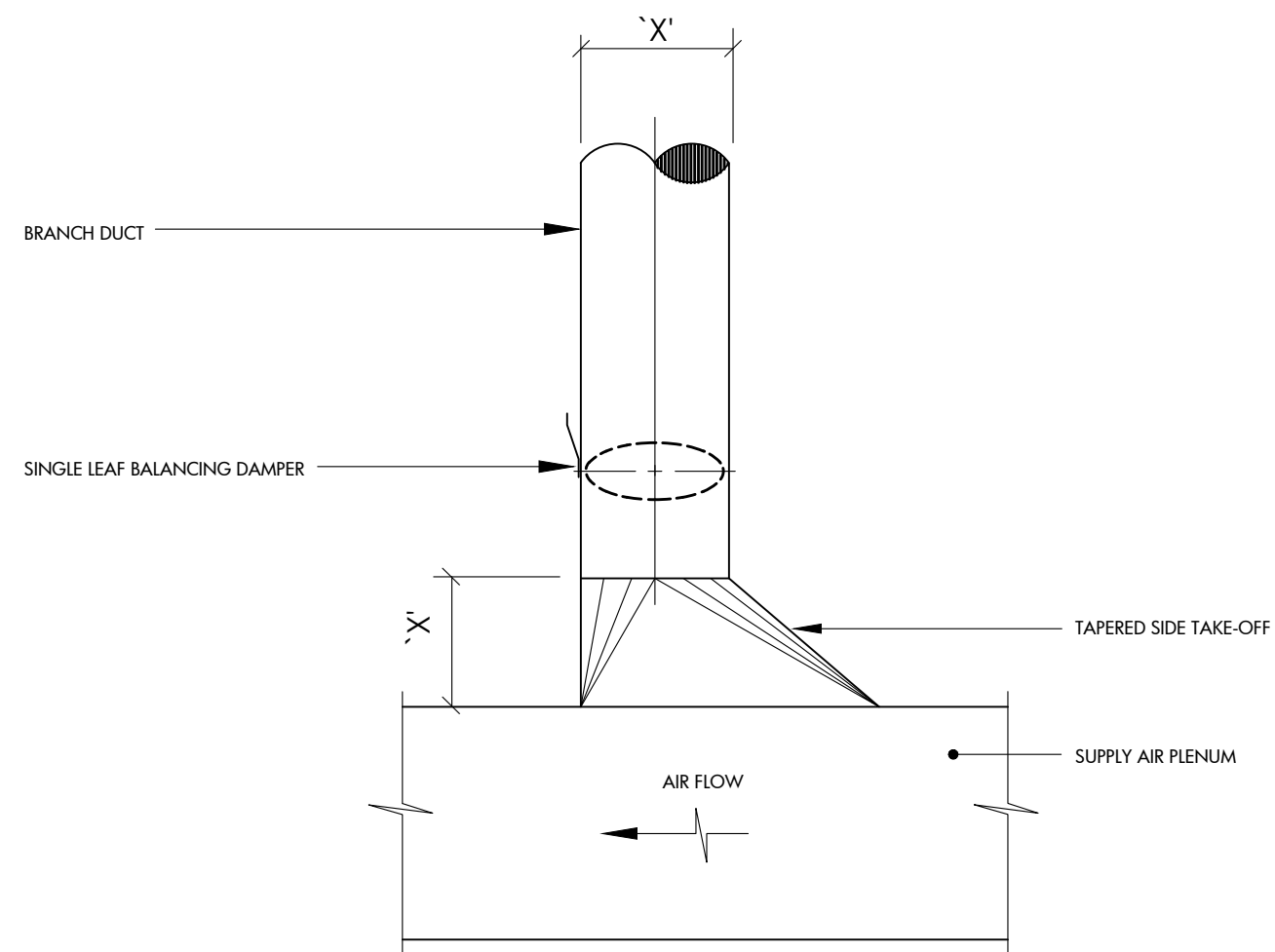
REFER	DESCRIPTION	SANITARY	SANITARY VENT	DHWS	DCWS
W-2	FLOOR MOUNTED WATERCLOSETS	75Ø (3'0")	38Ø (1-1/2'Ø)	-	13Ø (1/2'Ø)
W-1 S-1	LAVATORIES/SINKS	32Ø (1-1/4'Ø)	32Ø (1-1/4'Ø)	13Ø ² (1/2'Ø)	13Ø (1/2'Ø)
FD	FLOOR DRAIN	75Ø (3'0")	38Ø (1-1/2'Ø)	13Ø (1/2'Ø)	-
TSP	TRAP SEAL PRIMER	-	-	-	9Ø (3/8'Ø)

NOTES

1. ONE PER FLOOR DRAIN
2. PROVIDE TEMPERED WATER TO ALL L-1 LAVATORIES AND LOWER S-1 SINKS

TAG	LOCATION	WATTS	ELECTRICAL V / PH / Hz	WEIGHT (LBS)	MANUFACTURER AND MODEL (BASIS OF DESIGN: OUELLET)
EH-1	ROOM 1358	1000	120 / 1 / 60	15.1	OUELLET MODEL: # ODL01002. STANDARD WHITE COLOUR, BUILT-IN THERMOSTAT WITH KNOB CONTROL, FACTORY SUPPLIED DISCONNECT SWITCH.
EH-2, EH-3	AS INDICATED	1500	120 / 1 / 60	24.0	OUELLET MODEL: # OAC01502-T STANDARD WHITE COLOUR, BUILT-IN THERMOSTAT WITH KNOB CONTROL, FACTORY SUPPLIED DISCONNECT SWITCH.

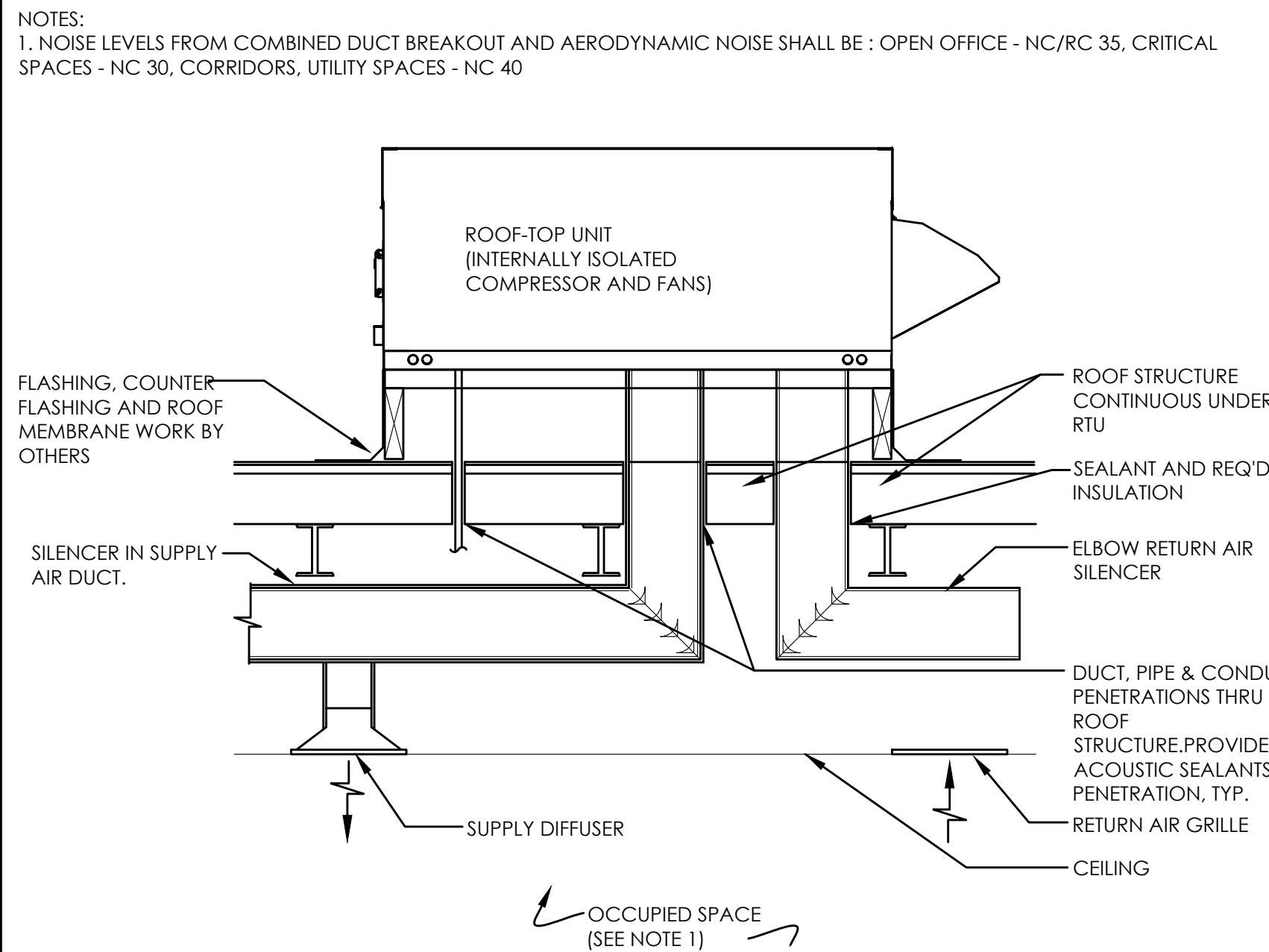
SYMBOL	SERVICE	FLOW RATE L/S (GPM)	PRESSURE DROP KPA (FT. HD)	FLUID TYPE	MOTOR			MANUFACTURER AND MODEL (BASIS OF DESIGN; GRINDFOS)
					HP	VOLTAGE	RPM	
SP-1	SANITARY PUMP	5.24 (83)	57.7 (19.3)	WASTE WATER	2.00	208V/30/60Hz	1751	GRINDFOS SLY30 A30.15 EX 4.60J.C GRINDER PUMP C/W I.C 2311 x 1-9.6 DOL PI MOTOR CONTROL BOX



1
M3.1

DETAIL OF ROUND DUCT TAKEOFF

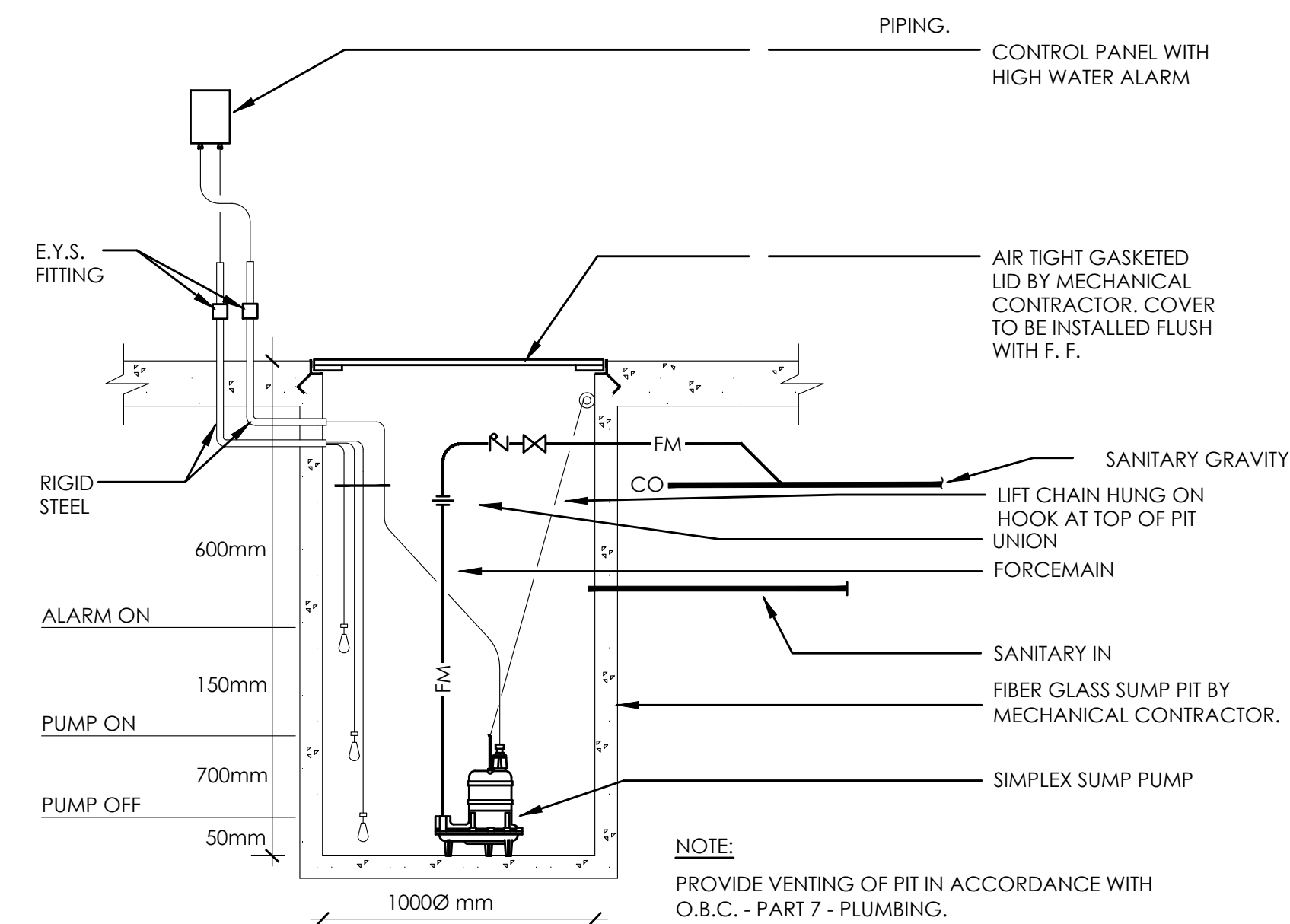
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2
M3.1

DETAIL OF ROOF TOP UNIT INSTALLATION

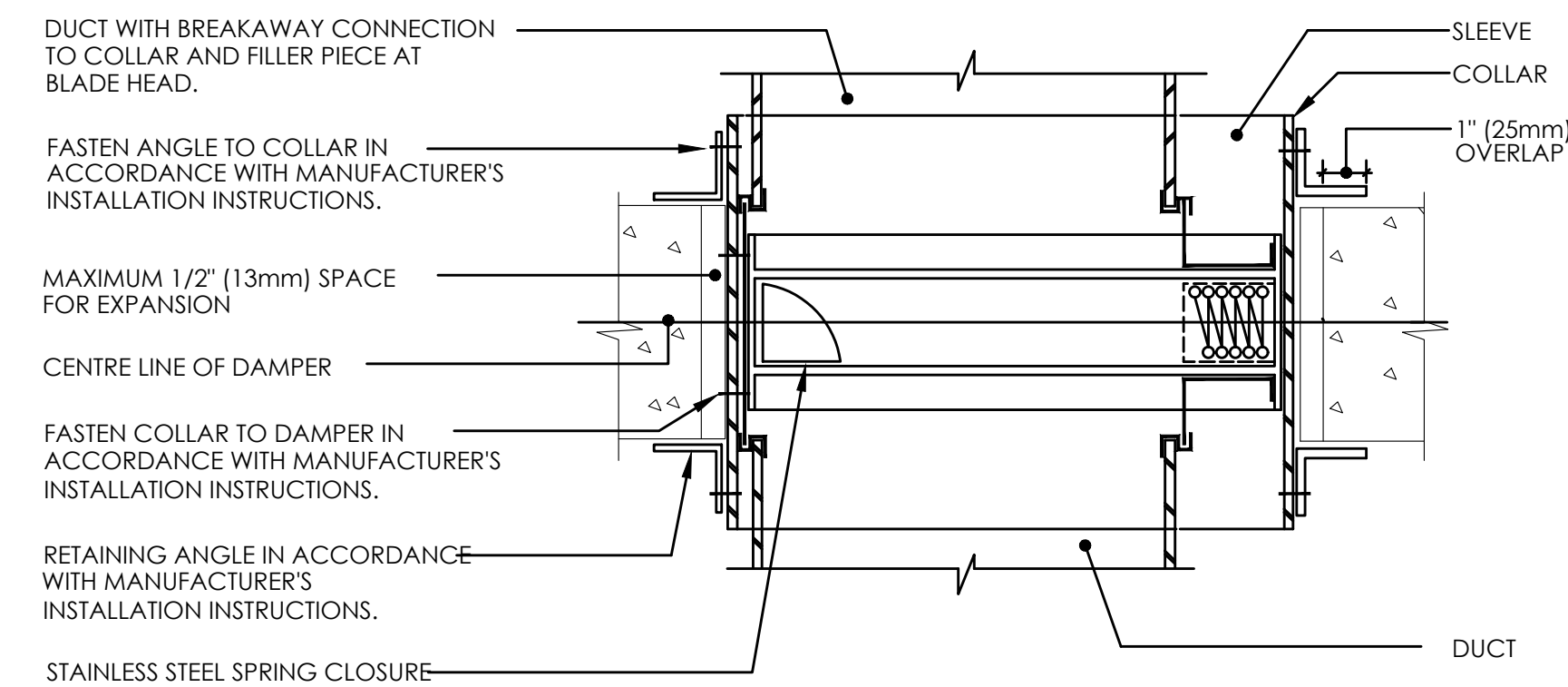
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3
M3.1

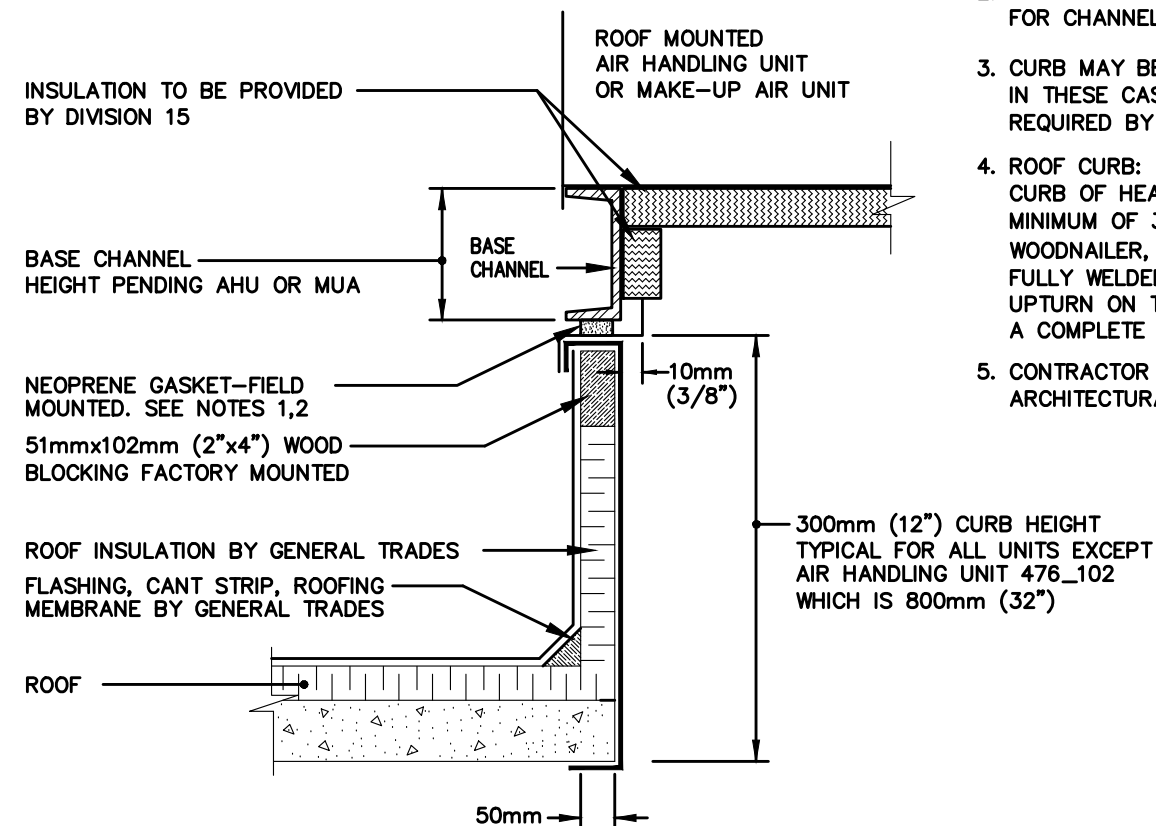
DETAIL OF SUMP PIT AND PUMP

SCALE: N.T.S.



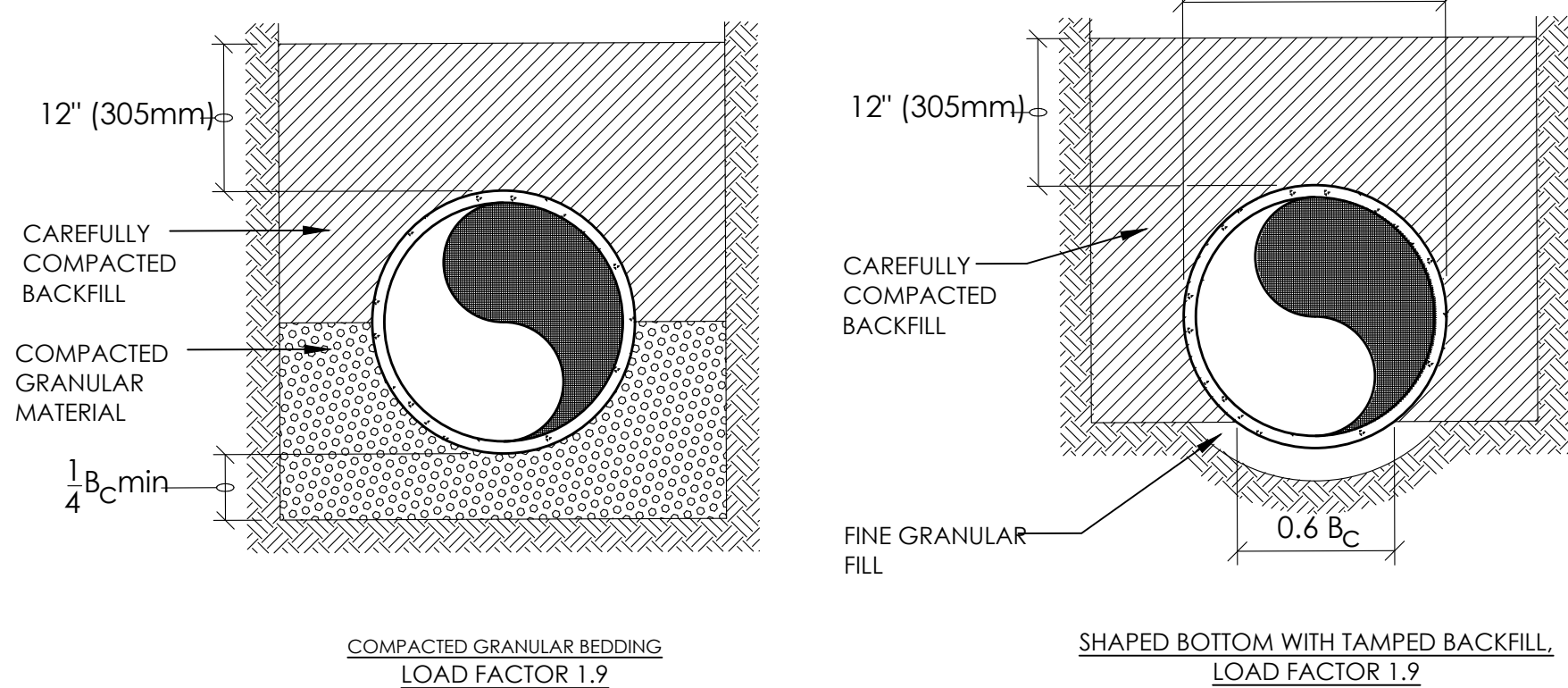
NOTES:

1. FIRE DAMPERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. INSPECT FLOOR OPENINGS PRIOR TO DAMPER INSTALLATION TO VERIFY SIZE OF OPENING AND PROPER PREPARATION. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR PREPARATION OF OPENINGS IN STUD FRAMED PARTITIONS OR WALLS.
3. INSTALL DAMPER IN PLANE OF FIRE SEPARATION.
4. INSTALL DAMPER SQUARE AND PLUMB.
5. DO NOT CAST DAMPER IN PLACE.
6. DO NOT CAULK OR SEAL DAMPER TO WALL. ENSURE THAT EXPANSION CLEARANCES ARE KEPT.
7. DO NOT FASTEN RETAINING ANGLES OR DAMPER DIRECTLY TO WALL.
8. CYCLE DAMPER AFTER INSTALLATION TO ENSURE FREE MOVEMENT



NOTES:

1. 10mmx19mm (3/8"x3/4") NEOPRENE GASKET FOR CHANNEL 50mm to 100mm (2" to 4") OR
2. 10mmx38mm (3/8"x1-1/2") NEOPRENE GASKET FOR CHANNEL 6" AND UP
3. CURB MAY BE BROKEN DOWN FOR SHIPPING. IN THESE CASES FIELD ASSEMBLY WILL BE REQUIRED BY INSTALLING CONTRACTOR
4. ROOF CURB: FULL PERIMETER ROOF MOUNTING CURB OF HEAVY GAUGE SHEET METAL, MINIMUM 1/2" THICK, COMPLETE WITH WOODNAILER, NEOPRENE SEALING STRIP AND WELDED Z BAR WITH A 25mm (1") UPTURN ON THE INNER PERIMETER, TO PROVIDE A COMPLETE SEAL AGAINST THE ELEMENTS.
5. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL ROOFING DETAILS



4 DETAIL OF FIRE DAMPER INSTALATION
M3.1 SCALE: N.T.S.

5 DETAIL OF ROOF CURB FOR ROOF MOUNTED AIR HANDLING UNIT
M3.1 SCALE: N.T.S.

6
M3.1

DETAIL OF CLASS 'B' BEDDING FOR SANITARY AND STORM SEWERS

SCALE: N.T.S.



CONSTRUCTION NORTH



TRUE NORTH

REVIEW ALL DRAWINGS AND VERIFY ALL DIMENSIONS AT THE SITE. DO NOT SCALE THE DRAWINGS. REPORT ALL DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH ANY CONSTRUCTION OR SHOP FABRICATION. ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF "MANITON PARTNERS" AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ENGINEER'S WRITTEN PERMISSION.



MANTECON
PARTNERS

STRUCTURAL MECHANICAL ELECTRICAL CIVIL
ENGINEERS

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MPI Project No:	21-153						
Scale:	As Shown	5	Issued For Permit Addendum M-01	2025-02-26			
			Issued For Tender	2025-02-12			
Drawn by:	MZE	3	Issued For Permit	2023-01-20			
			Issued For Owner Review	2022-03-03			
Plot Date:	FEB. 11, 2022	1	Issued For Review	2022-03-01			
Issue Date:		No.	Revisions:	Date:			

PRESCHOOL DAY CARE ADDITION
Ecole elementaire catholique
Saint-Marguerite-Bourgeois

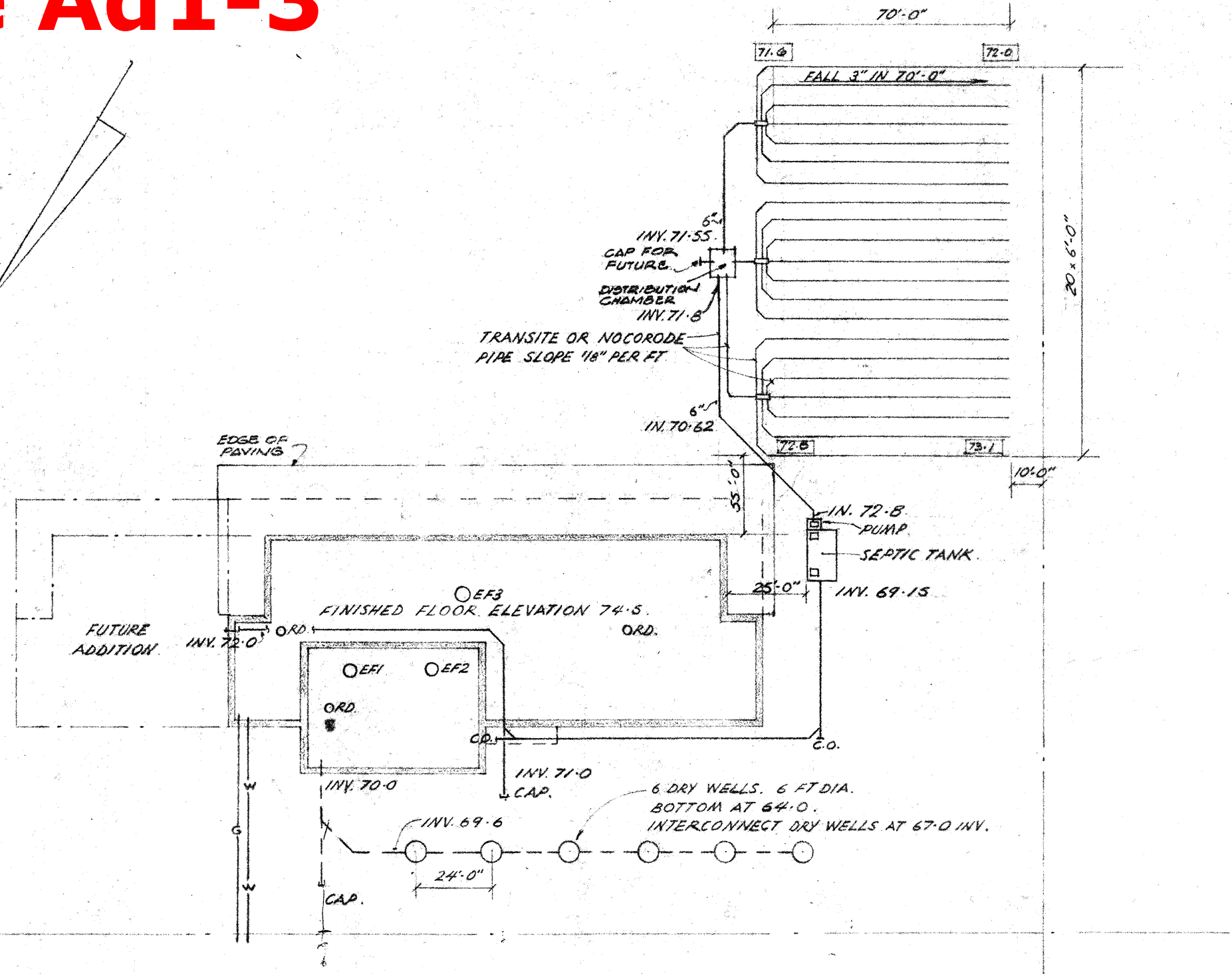
60 Clench Avenue, Brantford, Ontario N3T 1B9

DETAILS & SCHEDULES

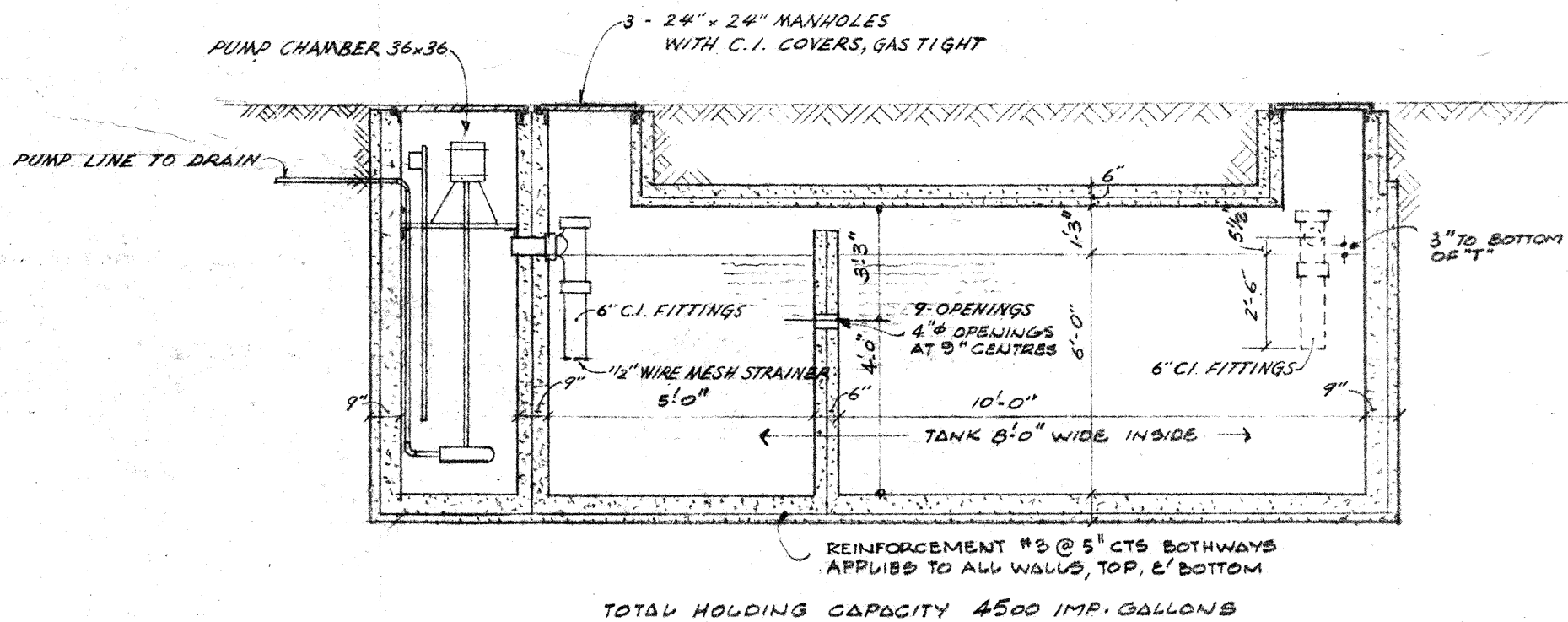
M3.1



Annexe Ad1-3



PLOT PLAN
SCALE 1" = 40' - 0"



SECTION THROUGH SEPTIC TANK
SCALE 1/4" = 1' - 0"

EQUIPMENT SCHEDULE

UNIT	TYPE	HP	VOLT	PH	NOMINAL UNIT SIZE	PERFORMANCE
EF1	GEN. PURPOSE ROOM, MIN. EXHAUST	1/6	115	1	16-A-SR	1380 CFM. AT 0.25" SP. 650 RPM
EF2	" " " " MAX. EXHAUST	1/8	115	1	22-C-SR	2680 CFM AT 0.25" SP. 650 RPM
EF3	WASHROOM EXHAUST	1/2	220	1	22-D-SR	2250 CFM AT 0.45" SP. 700 RPM
B1	HEATING HOT WATER GENERATOR	1	220	1	30 HP	GAS FIRED
B2	DOMESTIC HOT WATER HEATER	-	-	-	-	200,000 BTU INPUT, RECOVERY 168 G.P.M. AT 100°F T.R.
PM1	HEATING CIRCULATING PUMP	1 1/2	220	1	1 1/4 GC	1750 RPM, 60 U.S.G.P.M. AT 32 FT HEAD.
PM2	CONTROL COMPRESSOR	1/4	115	1	-	AMPLE CAPACITY FOR 60 CONTROL POINTS.
H1	CONTINUOUS CONVECTOR	-	-	-	185	CO/AL 2 ROW. 2190 BTU/FT.
H2	INVERTED CONTINUOUS CONVECTOR	-	-	-	185	CO/AL 2 ROW. 2190 BTU/FT.
H3	HTG. ELEMENT (IN ENCLOSURE BY OTHERS)	-	-	-	-	CO/AL 2 ROW. 2100 BTU/FT.
H4	UNIT VENTILATOR	1/6	115	1	1000 CFM.	31% FA. 74.9 MBH. TOTAL 3.85 GPM. AT 200°F ENT.
H5	FAN COIL HEATING UNIT, FLOOR STANDING	1/8	115	1	#100	39.0 MBH. 4 GPM AT 200°F ENT.
H6	FAN COIL HEATING UNIT, RECESSED	1/8	115	1	#100	39.0 MBH. 4 GPM AT 200°F ENT.
H7	CONVECTOR, RECESSED	-	-	-	6C-20-64	8.6 MBH. 0.9 GPM. AT 200°F ENT.
PMS	SEWAGE PUMP	1/2	220	1	2 1/2 DRS	60 U.S. G.P.M. 15 FT HEAD. 1750 RPM

SYMBOL INDEX

- W CITY WATER
- H DOMESTIC HOT WATER
- R DOM. H.W. RECIRC.
- SANITARY DRAIN
- STORM DRAIN.
- HEATING SUPPLY.
- HEATING RETURN
- G GAS
- CO CLEANOUT
- F.D. FLOOR DRAIN.
- R.D. ROOF DRAIN.
- PIPE ANCHOR.
- EXPANSION JOINT
- HOSE BIBB.
- UNION
- STRAINER.
- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- RADIATOR VALVE
- AUTOMATIC VALVE
- RELIEF VALVE
- PRESSURE REDUCING VALVE
- PRESSURE GAUGE
- THERMOMETER.
- THERMOSTAT
- INDOOR THERMOSTAT.
- REDUCER.
- 150 CFM. 6" x 4 REG. EXHAUST REGISTER
- EXHAUST DUCT SECTION.

DRAWING SCHEDULE

- M1 PLOT PLAN, SYMBOL INDEX & SCHEDULES.
- M2 FLOOR PLAN - HEATING & VENT.
- M3 FLOOR PLAN - PLUMBING.
- M4 BOILER ROOM PLAN & DETAILS.

STANDARD DETAILS

- 1301 PIPE SUPPORT THROUGH FOUNDATION
- 1306 WATER CLOSET INSTALLATION
- 1307 LAVATORY INSTALLATION.
- 1802 FIRE EXTINGUISHER
- 3803 PIPE EXPANSION JOINT.
- 3806 PIPE ANCHOR.
- 3904 AIR VENTING
- 4308 ROOF EXHAUST FAN.
- 4810 FIRE DAMPER.
- 1203 ABSORPTION TRENCH DETAILS
- 1702 DRY WELL CONSTRUCTION.

PLUMBING FIXTURES

- P1 STUDENTS W.C.
- P2 TEACHERS W.C.
- P3 URINAL
- P4 LAVATORY
- P5 COUNTER SINK.
- P6 DRINKING FOUNTAIN.
- P7 JANITORS SINK.

THIS DRAWING NOT TO BE USED FOR CONSTRUCTION UNTIL COUNTERSIGNED.

CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB AND REPORT ANY DISCREPANCY TO ARCHITECTS BEFORE PROCEEDING WITH THE WORK.

ALL DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND THE PROPERTY OF THE ARCHITECTS, WHICH MUST BE RETURNED AT THE COMPLETION OF THE WORK.

KEY TO DETAIL LOCATION

No.	DETAIL NUMBER
No.	DRAWING NUMBER

PRINTS ISSUED TO

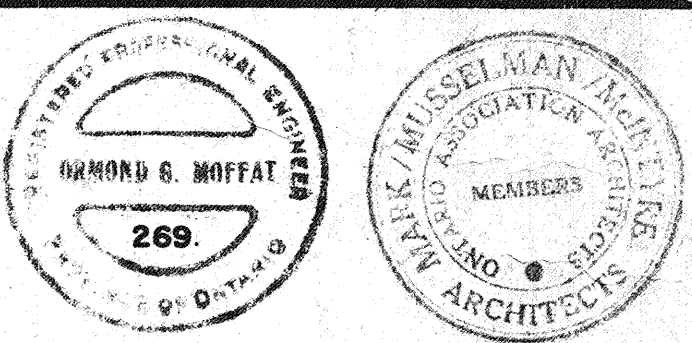
NO.	DATE	BY
FIRE MARSHAL	1 6/26/64	W.H.
TENDERING	12 6/22/64	W.H.
BRANT COUNTY HEALTH	1 JULY 14 1964	

Brantford Separate School Board

G. S. WARK LTD.

REVISIONS TO DRAWING

ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED



MARK/MUSSELMAN/McINTYRE ARCHITECTS BRANTFORD

PROJECT TITLE
CLENCH AVENUE
SEPARATE SCHOOL
BRANTFORD ONTARIO

DATE ISSUED PROJECT NUMBER SCALE
JUNE 1964 6114

SHEET TITLE
PLOT PLAN, SYMBOL INDEX & SCHEDULES. M1