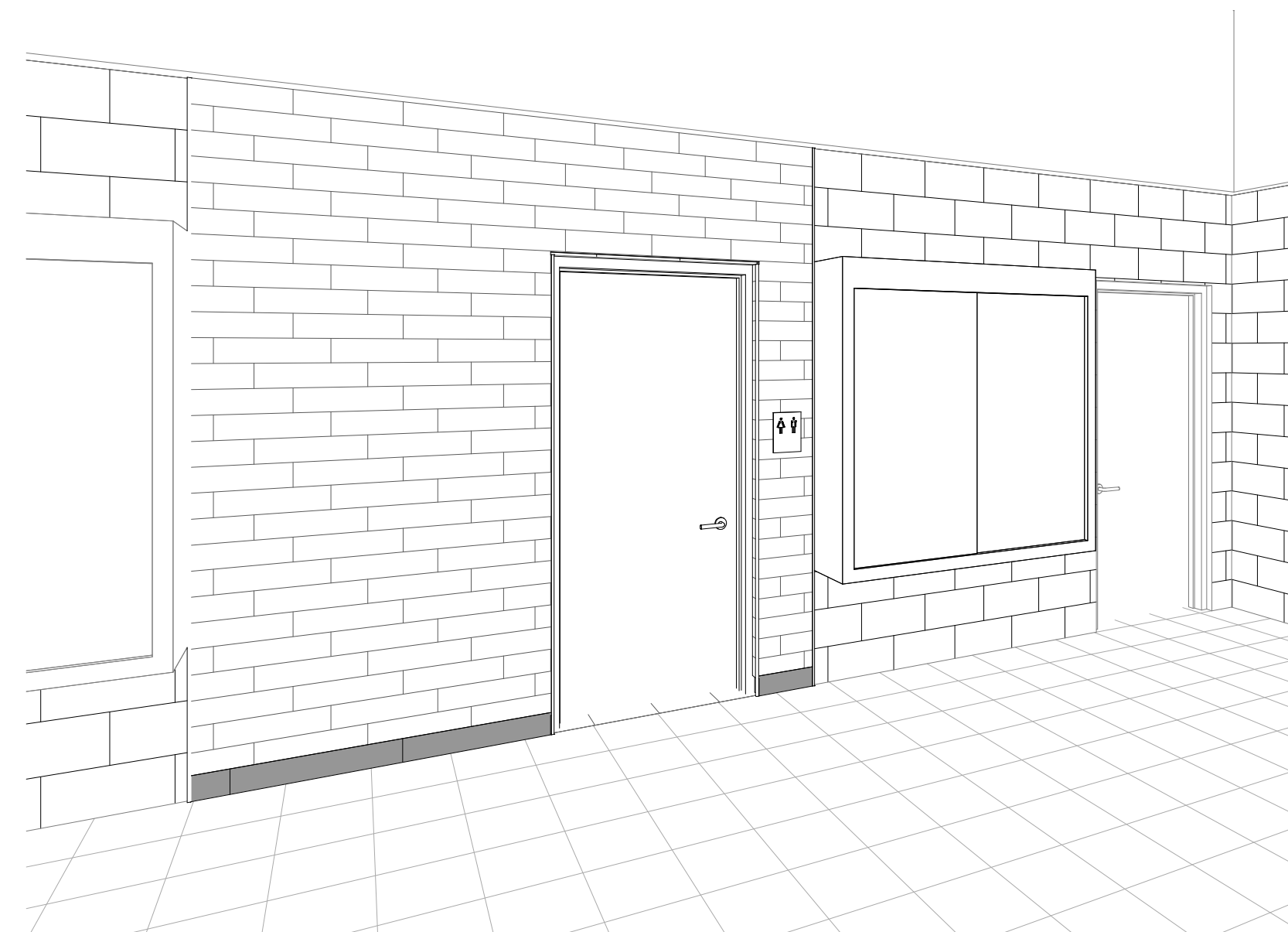


1 Keyplan
1:400



2 STAFF WC CORRIDOR PERSPECTIVE

LOCATION PLAN



Project Address: 30 Balaclava St, Bobcaygeon, ON K9V 6J5

GENERAL NOTES

1. THESE DRAWINGS FORM PART OF THE CONTRACT DOCUMENTS. REFER TO THE CONTRACT FOR THE COMPLETE LIST OF CONTRACT DOCUMENTS AND THEIR RELATED HIERARCHY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO READ AND UNDERSTAND THE CONTRACT DOCUMENTS IN THEIR ENTIRETY AND REQUEST CLARIFICATION FROM THE CONSULTANT WHERE NECESSARY.
 2. THESE DRAWINGS, THE APPENDIX A - DETAIL BOOKLET, APPENDIX B - REFERENCE BOOKLET, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND THE SPECIFICATION PROJECT MANUAL ARE TO BE READ IN CONJUNCTION WITH ONE ANOTHER IN THEIR ENTIRETY.
 3. DRAWINGS ARE NOT TO BE SCALED. WHERE DIMENSIONS ARE IN QUESTION THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE CONSULTANT BEFORE PROCEEDING.
 4. KEYNOTES IN THE ARCHITECTURAL DRAWINGS ARE NUMBERED REFERENCES TO THE KEYNOTE LEGEND AND TO THE RELEVANT SPECIFICATION SECTION AND ARE TO BE READ IN CONJUNCTION WITH THE REQUIREMENTS OF THE SPECIFICATIONS.
 5. LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS, UNLESS OTHERWISE NOTED.
 6. THE CONTRACTOR SHALL RETAIN ONE SET OF THE COMPLETE SET OF CONTRACT DOCUMENTS ON SITE AT ALL TIMES FOR REFERENCE INCLUDING ALL ADDENDA ISSUED DURING TENDER, ALL CLARIFICATIONS OR MODIFICATIONS ISSUED DURING CONSTRUCTION IN THE FORM OF SUPPLEMENTARY INSTRUCTIONS AND/OR CHANGE ORDERS/DIRECTIVES.
 7. DETAIL BOOKLET. THE APPENDIX A AND B DETAIL BOOKLET CONTAINS CRITICAL INFORMATION FOR UNDERSTANDING THE WORK:
 - GUIDES FOR ABBREVIATIONS AND GRAPHIC LANGUAGE OF THE ARCHITECTURAL DRAWINGS
 - CODE REQUIRED MOUNTING HEIGHTS AND CLEARANCES
 - CONSTRUCTION ASSEMBLIES
 - TYPICAL DETAILS ORGANIZED BY DIVISION CATEGORY FOR CONCRETE, MASONRY, METALS, WOOD AND PLASTICS, MILLWORK, THERMAL AND MOISTURE AND FIRESTOPPING, DOORS AND WINDOWS, PARTITION ASSEMBLIES, FINISH DETAILS AND INFORMATION FOR WASHROOM ACCESSORIES.
 - STRUCTURAL DETAILS (REFER TO STRUCTURAL DRAWINGS FOR REFERENCES)
- SOME OF THESE DETAILS ARE REFERENCED DIRECTLY FROM THE DRAWING SET OTHERS ARE REFERENCED BY THE TAG NUMBERING SYSTEM INDICATED ON THE ARCHITECTURAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE CONTENTS OF THE DETAIL BOOKLET AND PROVIDING THE APPROPRIATE TYPICAL DETAIL.

DIMENSIONING CONVENTIONS:

- A. ALL DIMENSIONS ON ARCHITECTURAL DRAWINGS ARE CLEAR MEASUREMENTS TO FINISHED FACE UNLESS OTHERWISE NOTED.
- B. THE CONTRACTOR SHALL ENSURE ALL CODE REQUIRED MINIMUM CLEARANCES ARE MAINTAINED IN THE WORK. NOTIFY CONSULTANT WHERE CLEAR OR CRITICAL DIMENSIONS ARE DESIGNATED BUT CANNOT BE ACHIEVED FOR REVIEW AND DIRECTION.
- C. DRAWINGS ARE NOT TO BE SCALED. VERIFY ANY MISSING OR CONFLICTING DIMENSIONS WITH THE ARCHITECT/CONSULTANT PRIOR TO PROCEEDING WITH THE WORK.
- D. MAINTAIN CONSISTANT FINISHED FLOOR DATUM THROUGHOUT THE PROJECT AREA SUCH THAT DIMENSIONS INDICATED AS ABOVE FINISHED FLOOR (AFF) ARE REFERENCED FROM THE SAME DATUM TO MAINTAIN ALIGNMENT OF ELEMENTS HORIZONTALLY.
- E. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO STARTING WORK. REPORT ALL DISCREPANCIES TO THE CONSULTANT FOR CLARIFICATION PRIOR TO COMMENCING WORK.
- F. REFER TO APPENDIX A- DETAILS FOR TYPICAL MOUNTING HEIGHTS. BUILDING CODE REQUIRED MINIMUM CLEARANCES ARE TO BE MAINTAINED.

ARCHITECTURAL

#	Sheet
A000	COVER SHEET
A010	CODE COMPLIANCE and DEMOLITION
A200	NEW WORK
A900	INTERIORS
Appendix A	DETAILS

STRUCTURAL

#	Sheet
G1	RFTB25-03 STRUCTURAL UPGRADE AND REPAIRS - GENERAL NOTES
S1	RFTB25-03 STRUCTURAL UPGRADE AND REPAIRS - ROOM 104 and 104A
S2	RFTB25-03 STRUCTURAL UPGRADE AND REPAIRS - CONSTRUCTION DETAILS

MECHANICAL

#	Sheet
M-01	LEGEND, DRAWING LIST, DETAILS & SCHEDULES - MECHANICAL
M-11	HVAC, PLUMBING & DRAINAGE LAYOUTS - MECHANICAL

ELECTRICAL

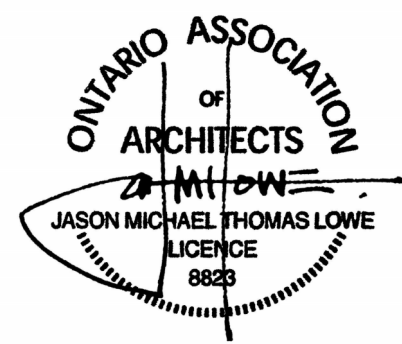
#	Sheet
E-01	LEGEND, LUMINAIRE SCHEDULE AND KEY PLAN - ELECTRICAL
E-02	ELECTRICAL LAYOUTS



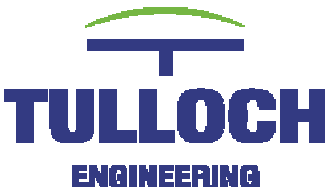
ARCHITECTURE

Jason Lowe Architect Inc.
20 South Dufferin Street
Huntsville, Ontario
P1H 1V7

Contact: Jason Lowe
T: 705.571.1465
jason@jasonlowearchitect.com



THIS DRAWING IS AN INSTRUMENT OF SERVICE AND IS THE PROPERTY OF THE ARCHITECT. COPYRIGHT FOR THE ARCHITECT'S INSTRUMENTS OF SERVICE BELONGS TO THE ARCHITECT. THIS DRAWING MAY NOT BE REPRODUCED WITHOUT PERMISSION. IF REPRODUCED IT MUST BE REPRODUCED IN FULL AND CARRY THE ARCHITECT'S NAME.



STRUCTURAL

TULLOCH Engineering Inc
80 Main Street - West,
Huntsville, ON P1H 1W9

Contact: Frank Palmay
T: 705.789.7851 ext. 433
frank.palmay@TULLOCH.ca | TULLOCH.ca



MECHANICAL and ELECTRICAL

HL Engineering Ltd.
7725 Birchmount Rd, Unit 46
Markham, ON Canada
L3R 9X3

Contact: Ming Jia Li, P.Eng.
Tel: 905-713-0003
mjli@hlengineering.ca



OWNER

Trillium Lakelands District School Board
P.O. Box 420
300 County Road 36
Lindsay, ON
K9V 4S4

Contact: Dan Whalen
T: 705.641.1996
daniel.whelan@tldsbo.on.ca

RFT B25-03 BOBCAYGEON PUBLIC SCHOOL STAFF WASHROOM

MARCH 2025

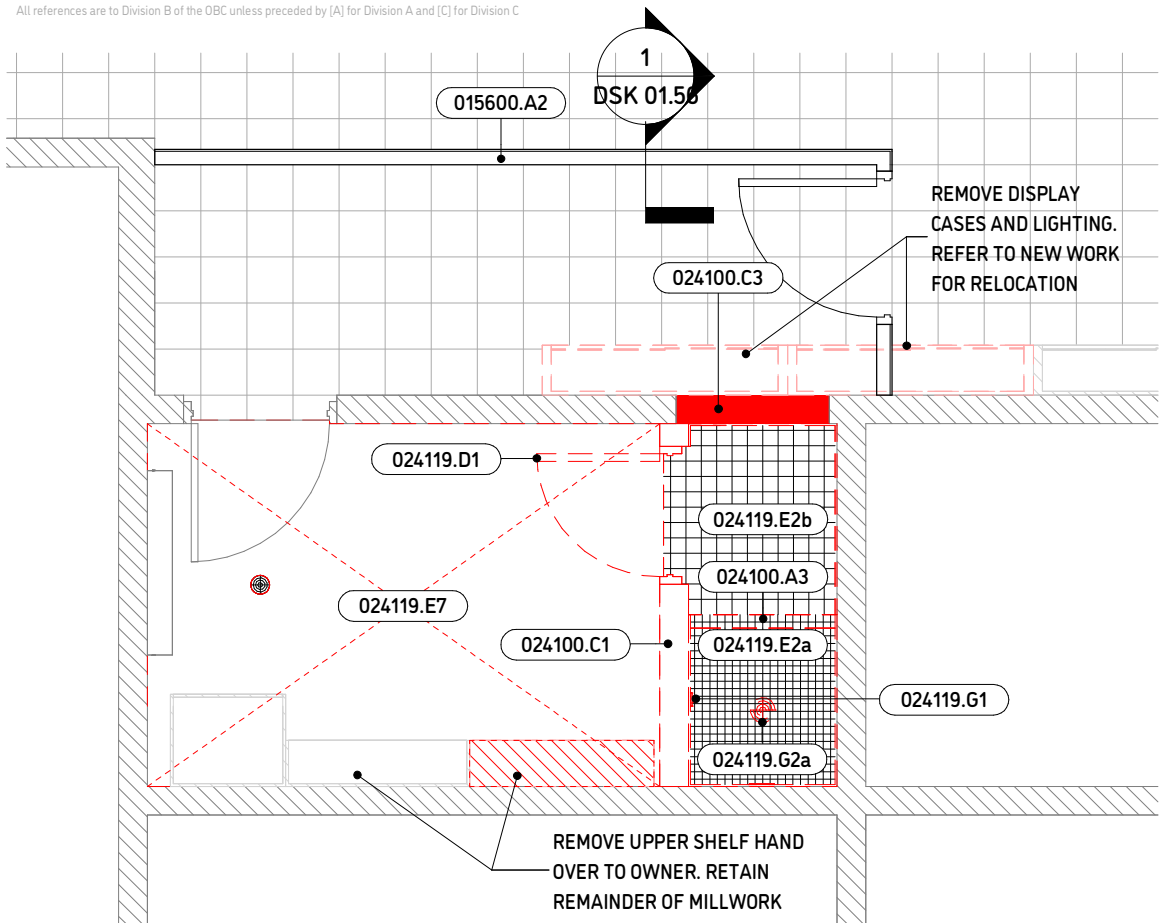
Issued for: TENDER and BUILDING PERMIT

MARCH 24, 2025

ONTARIO BUILDING CODE DATA MATRIX
PART 11

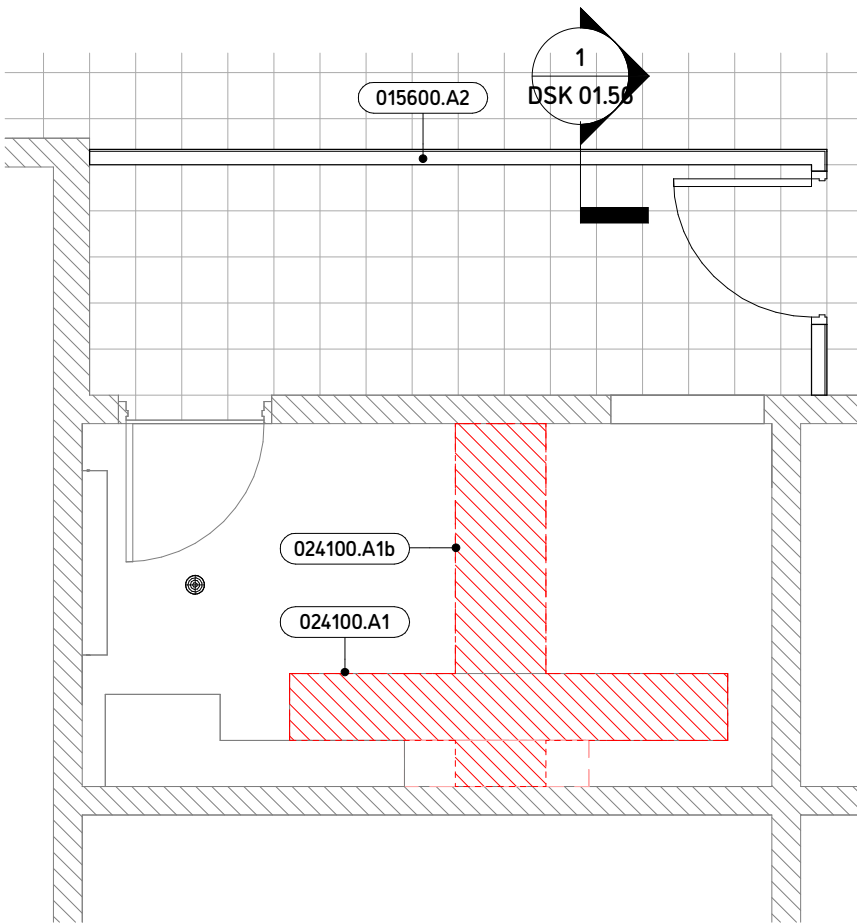
11.00	Building Code Version:	O_Reg. 163/24 Last Amendments: O_Reg. 5/25			OBC Ref.
11.01	Project Type:	<input type="checkbox"/> New <input type="checkbox"/> Addition <input checked="" type="checkbox"/> Renovation <input type="checkbox"/> Change of Use <input type="checkbox"/> Addition and Renovation Description: WASHROOM RENOVATION			[A] 1.3.3.B,
11.02	Major Occupancy Classification	Occupancy Assembly (A2)	Use Secondary school		3.1.2.1.(1), 2.1.4.1.(1), and 11.2.1.
11.03	Superimposed Major Occupancies	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Description:		11.2, 3.2.2.5 to 3.2.2.8, and 2.2.1.
11.04	Building Area (m2)	No changes to building area			[A] 1.4.1.2, 11.2, and 11.3.
11.05	Building Height	2	Storeys above grade	0 Storeys below grade Existing - no change	[A] 1.4.1.2, 3.2.1.1, 2.2.2.2, and 11.3.
11.06	Number of streets/ Firefighter access	1	street(s) Existing - no change		3.2.2.10, 3.2.5, 2.2.4.1, and 11.3.
11.07	Building size	<input type="checkbox"/> Small <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Large <input type="checkbox"/> > Large			11.2.1.1, and 1.11.2.1.1.B-N.
11.08	Existing Building Classification	Change in Major Occupancy: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable (no change of major occupancy) Construction Index: _____ Hazard Index: _____ Importance Category: <input type="checkbox"/> Low <input type="checkbox"/> Normal <input type="checkbox"/> High <input type="checkbox"/> Post-Disaster			10.1.1.2, 11.2.1.1, 1.11.2.1.1.A, 1.11.2.1.1.B to N, 4.1.2.1.(3), 2.3.1, and 5.2.2.1.(2)
11.09	Renovation Type	<input checked="" type="checkbox"/> Basic Renovation <input type="checkbox"/> Extensive Renovation			11.3.3.1, 11.3.3.2.
11.10	Occupant Load	Floor Level/Area	Occ. Type	Based On	Occ. Load (Persons)
		Entire School	A2	OTG (On the ground capacity/Design occupancy)	515 persons
11.11	Plumbing Fixture Requirements	Ratio: Male:Female = 50:50			3.7.4, 11.3.4, 11.3.5, 11.4.2.4, and 11.4.2.5. Tables 3.8.2.3.B and 3.8.2.3.B
		Floor Level/Area	Occupant Load	OBC Reference	Fixtures Required
		Entire School	Existing		Fixtures Existing
		F	258	3.7.4.3 (14)	10
		M	258	3.7.4.3 (14)	9
					14
					14
11.12	Barrier-free Design	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Explanation: Other barrier free washrooms exist on the same level.		3.8
11.13	Reduction in Performance Level	Structural:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		11.4.2.1, 11.4.2.2, 11.4.2.3, 11.4.2.4, 11.4.2.5, 11.4.2.6.
		By increase in occupant load:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
		By change of major occupancy:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
		Plumbing:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
		Sewage systems:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
		Extension of combustible construction:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
11.14	Compensating Construction:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			11.4.3.1, 11.4.3.2, 11.4.3.3, 11.4.3.4, 11.4.3.5, 11.4.3.6, 11.4.3.7.
		Structural:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
		By increase in occupant load:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
		By change of major occupancy:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
		Plumbing:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
		Sewage systems:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
		Extension of combustible construction:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
11.14	Compliance Alternatives Proposed:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			11.5.1
11.15	Notes:	RESERVED			11.5.1

All references are to Division B of the OBC, unless preceded by (A) for Division A and (1) for Division 1.



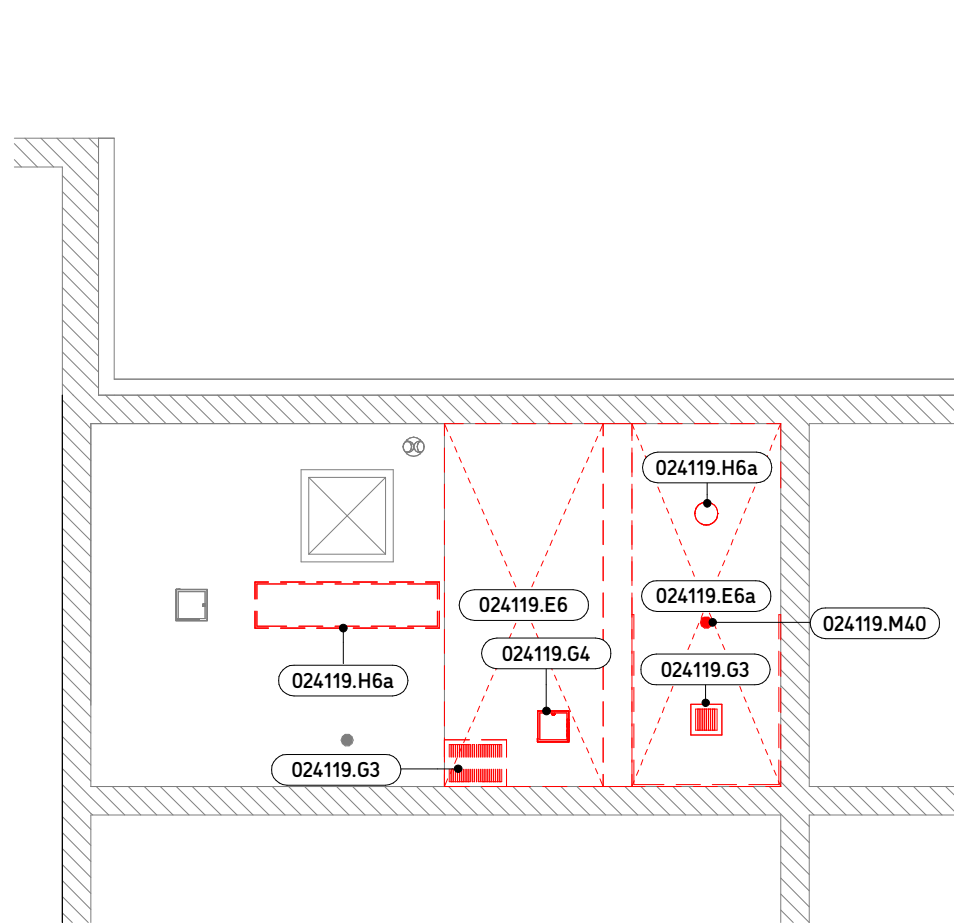
3 PLAN - DEMOLITION

1:50



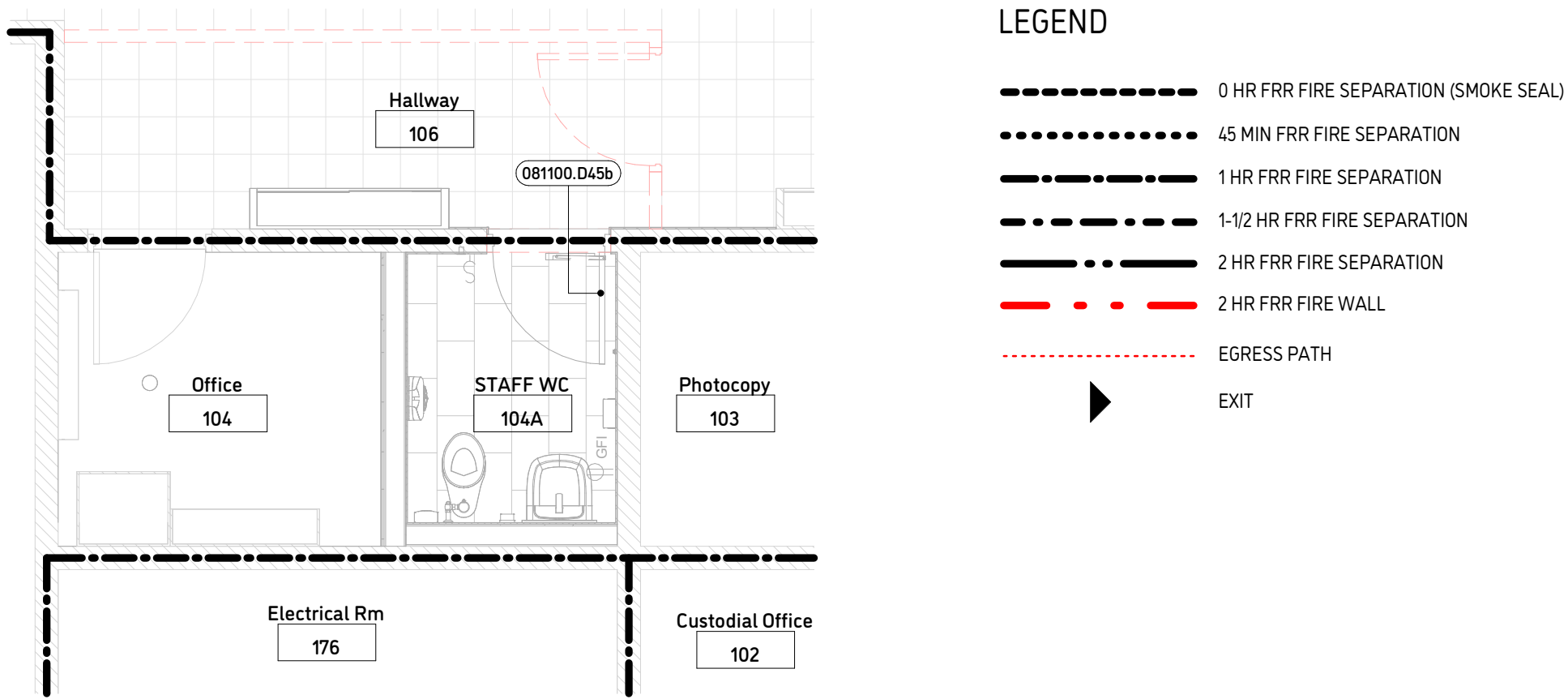
4 PLAN - DEMOLITION

1:50



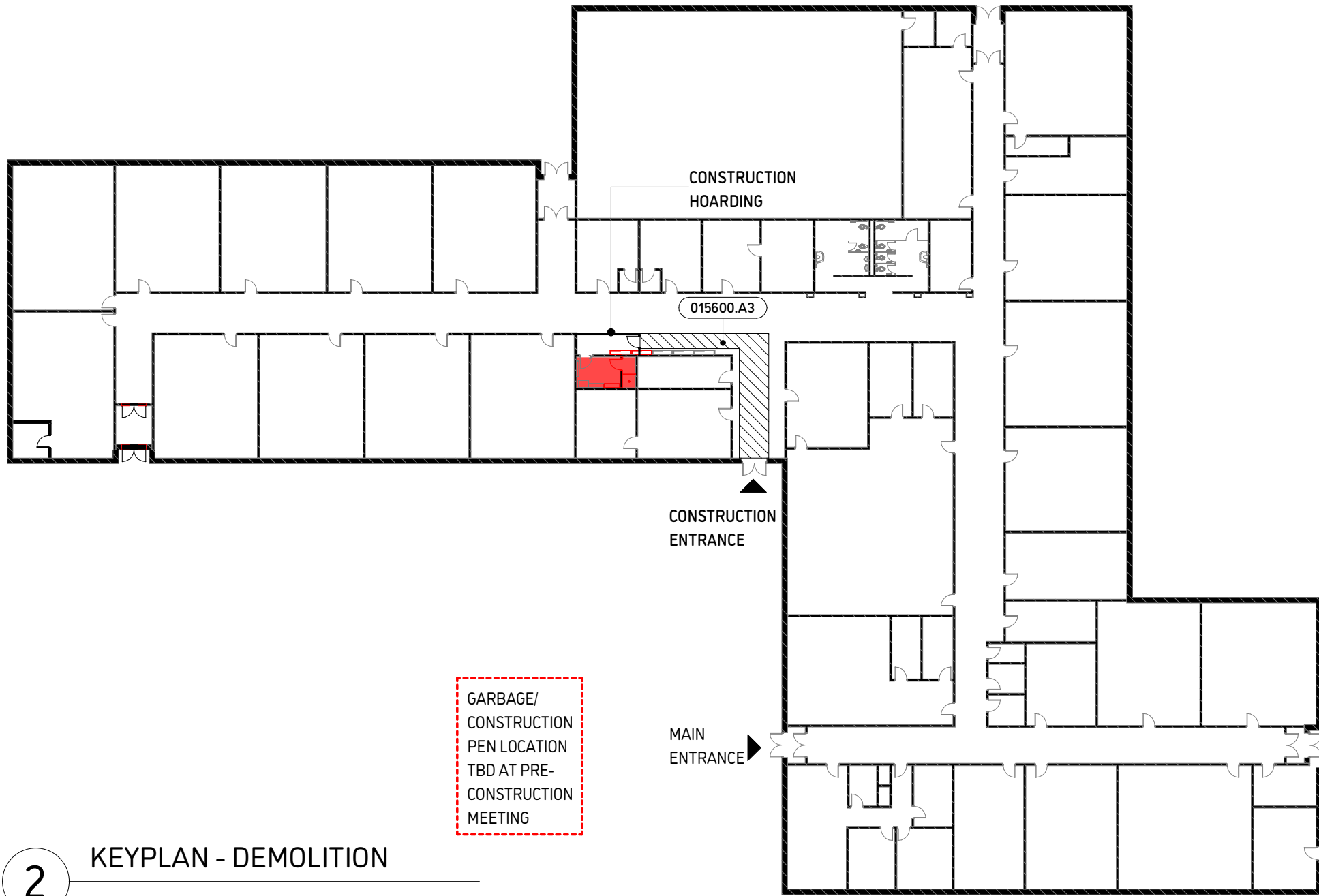
5 RCP - DEMOLITION

1:50



1 PLAN - FIRE SEPARATIONS

1:50



2 KEYPLAN - DEMOLITION

1:400

LEGEND

- 0 HR FRR FIRE SEPARATION (SMOKE SEAL)
- 45 MIN FRR FIRE SEPARATION
- 1 HR FRR FIRE SEPARATION
- 1-1/2 HR FRR FIRE SEPARATION
- 2 HR FRR FIRE SEPARATION
- 2 HR FRR FIRE WALL
- EGRESS PATH
- EXIT

PRE-CONSTRUCTION REQUIREMENTS

- SITE REVIEWS.** REFER TO SPECIFICATION FOR LIST OF REQUIRED ON SITE REVIEWS THAT THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE CONSULTANT.
- DRAINAGE INSPECTIONS.** A PRE-CONSTRUCTION DRAINAGE INSPECTION IS REQUIRED PRIOR TO DEMOLITION TO DETERMINE THE CONDITION OF THE EXISTING UNDERSLAB DRAINAGE SYSTEM. PROVIDE TO THE CONSULTANT A DRAINAGE INSPECTION REPORT INCLUDING CAMERA VIDEOS OF EXISTING CONDITIONS PRIOR TO MODIFICATION/REMOVAL OF EXISTING SYSTEMS. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS.
- AIR FLOW TESTS.** A PRE-CONSTRUCTION AIR FLOW TEST IS REQUIRED PRIOR TO CONSTRUCTION. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS.
- DOORS.** ALL DOOR AND DOOR FRAME DIMENSIONS TO BE CONFIRMED BY THE CONTRACTOR ON SITE PRIOR TO SHOP DRAWING PREPARATION. REPORT TO AND REQUEST CLARIFICATION FROM THE CONSULTANT ANY DISCREPANCIES.

DEMOLITION NOTES

- READ THESE DRAWINGS IN CONJUNCTION WITH NEW WORK AND ADDITIONAL DEMOLITION SCOPE DESCRIBED IN STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION ENGINEERING INCLUDING SHORING AND SCANNING OF EXISTING SLAB ON GRADE AND SUSPENDED SLABS TO PERFORM DEMOLITION WORK. REFER TO STRUCTURAL FOR FURTHER INFORMATION.
- DEMOLITION FLOOR PLAN DRAWINGS GENERALLY INDICATE THE EXISTING STATE OF THE EXISTING BUILDING. DIAGONAL HATCHED WALLS INDICATE APPROXIMATE EXTENT OF EXISTING CONSTRUCTION TO REMAIN UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, EXTENT OF DEMOLITION AND REMOVALS ON SITE PRIOR TO PROCEEDING WITH THE WORK.
- BROKEN, DASHED AND RED LINES AND HATCHES GENERALLY INDICATE REMOVALS. SCOPE TO INCLUDE REMOVALS AS REQUIRED TO ACHIEVE NEW WORK.
- PROVIDE TEMPORARY BRACING AND SHORING TO SUPPORT EXISTING CONSTRUCTION TO ALLOW FOR NEW CONSTRUCTION AS INDICATED ON DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION ENGINEERING REQUIRED TO PERFORM WORK OF CONTRACT. REFER TO STRUCTURAL.
- REFER TO OWNER'S REQUIREMENTS FOR HAZARDOUS MATERIALS PROCEDURES.
- UPON REMOVAL OF WALL AND CEILING FINISHES THE CONTRACTOR IS TO EXAMINE ALL WALLS TO IDENTIFY ANY EXISTING DEFICIENCIES IN DESIGNATED FIRE SEPARATIONS AND BRING THEM TO THE ATTENTION OF THE CONSULTANT. REPAIR AND REINSTATEMENT OF FIRE SEPARATION/FIRE STOPPING INTEGRITY WILL BE ADDRESSED THROUGH CONTINGENCY ALLOWANCE.
- ACCESS DOORS. EXISTING ACCESS DOORS IN WALLS AND CEILING ARE TO BE NOTED AND DIMENSIONED IN PLAN BY CONTRACTOR ON AS-BUILTS AND COORDINATED WITH MECHANICAL AND ELECTRICAL TRADES FOR RE-USE IN NEW WORK IF REQUIRED. IF NOT REQUIRED NOTIFY CONSULTANT. ABANDONED ACCESS DOOR PENETRATIONS IN WALLS TO BE FILLED/REPAIRED AS REQUIRED TO SUPPORT NEW FINISH OVER.
- SLAB CUTTING AND UNDERSLAB DRAINAGE WORK. REFER TO MECHANICAL. SCOPE OF WORK TO INCLUDE DRAINAGE INSPECTION, VIDEO DOCUMENTATION AND REPORT OF EXISTING UNDERSLAB DRAINAGE SYSTEMS IN AREA OF WORK TO BE FORWARDED TO CONSULTANT PROMPTLY FOR REVIEW. BID PRICE TO INCLUDE:
a) SELECTIVE AND CLEAN CUTTING AND REMOVAL OF SLAB TO ACHIEVE NEW WORK INDICATED IN MECHANICAL DRAWINGS AND SPECIFICATIONS.
b) ASSUME EXCAVATION/TRENCHING TO APPROXIMATELY 600mm BELOW SLAB TO EXPOSE UNDERSLAB DRAINAGE OR INSTALL NEW AS INDICATED IN THE MECHANICAL DRAWINGS.
c) BACKFILL. SUBSURFACE MATERIAL CONDITION IS TO BE REVIEWED BY CONSULTANT PRIOR TO BACKFILL. REFER TO STRUCTURAL FOR BACKFILL REQUIREMENTS.
d) NEW SLAB INFILL - REFER TO STRUCTURAL FOR DETAILS.
- HOARDING. REFER TO APPENDIX A: DETAILS FOR HOARDING DETAILS. CONTRACTOR TO PROVIDE PLYWOOD OR OTHER DUST-PROOF TYPE DOOR INTO EACH HOARDED ZONE. IF KEY IS REQUIRED FOR ACCESS, CONTRACTOR IS TO PROVIDE TLDSB ON-SITE STAFF WITH A KEY FOR ACCESS TO THE WORK SITE(S) AT ALL TIMES.
- WASHROOM ACCESSORIES. IN GENERAL ALL WASHROOM ACCESSORIES TO BE REMOVED UNLESS OTHERWISE NOTED.
- CEILING GRIDS. UNLESS NOTED OR DIMENSIONED OTHERWISE NEW CEILING GRIDS HAVE BEEN LOCATED TO MATCH EXISTING GRID LAYOUTS TO MAINTAIN EXISTING RELATIONSHIPS TO DUCTWORK, SUPPORTS ETC. CONTRACTOR TO LOCATE AN EXISTING GRID T REFERENCE POINT PRIOR TO DEMOLITION FOR LAYOUT OF NEW GRID AS REQUIRED.
- PROTECTION. ALL EXISTING TO REMAIN FLOOR, WALL AND CEILING FINISHES AND ANY FIXTURES TO REMAIN ARE TO BE PROTECTED FOR THE DURATION OF CONSTRUCTION WITH PLYWOOD, RAM BOARD, FOAM CORNER GUARDS OR OTHER APPROPRIATE MEANS PROVIDED AND MAINTAINED BY THE CONTRACTOR.

GENERAL NOTES - CODE COMPLIANCE

- ALL WORK TO BE PERFORMED IN COMPLIANCE WITH THE CURRENT ONTARIO BUILDING CODE 2012 AND THE AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.
- FOR GENERAL NOTES, SYMBOLS AND ARCHITECTURAL ABBREVIATIONS REFER TO APPENDIX A: DETAILS.
- FIRE SEPARATION CONTINUITY. INDICATED FIRE SEPARATIONS AND ASSEMBLIES ARE TO BE CONTINUOUS AND UNINTERRUPTED AT FLOOR, WALL AND ROOF JUNCTIONS. CONDITION OF EXISTING FIRE SEPARATIONS TO BE REVIEWED WITH ARCHITECT ONCE EXPOSED AT THE COMPLETION OF DEMOLITION.
- FIRE SEPARATIONS/FIRE STOPPING. ALL NEW AND EXISTING PENETRATIONS THROUGH WALLS, FLOORS AND/OR CEILINGS DESIGNATED AS FIRE SEPARATIONS, NEW OR EXISTING EXPOSED DURING DEMOLITION, SHALL BE FIRE STOPPED AND SMOKE SEALED USING ULC TESTED AND APPROVED SYSTEMS. PATCH AND REPAIR ALL FIRE PROOFING AT BUILDING STRUCTURE WHERE MISSING OR DAMAGED TO MAINTAIN REQUIRED FIRE RATING. SEE DRAWING A010. REFER TO SPECIFICATION SECTIONS 01.33.00 AND 07.84.00.
- MOUNTING HEIGHTS. REFER TO APPENDIX A: DETAIL BOOKLET FOR CODE REQUIRED BARRIER FREE MOUNTING HEIGHTS FOR ALL PLUMBING AND WASHROOM FIXTURES, ACCESSORIES AND DOOR CONTROLS.
- CLEARANCES. CODE REQUIRED CLEARANCES ARE INDICATED BY DIMENSIONS IN PLAN AND ARE TO FINISHED FACES AND MUST BE MAINTAINED IN THE COMPLETED WORK.
- SERVICE PENETRATIONS IN FIRE SEPARATIONS. COORDINATE ALL SERVICE PENETRATIONS, FIRE DAMPERS IN FIRE SEPARATIONS WITH MECHANICAL AND ELECTRICAL SCOPE.
- CLOSURES. REFER TO DOOR SCHEDULE, APPENDIX A AND THE SPECIFICATIONS FOR REQUIRED RATED DOORS, FRAMES AND RELATED HARDWARE.

KEYNOTE LEGEND

Key Value	Keynote Text
015600.A2	HOARDING. Provide dustproof hoarding around local job area for duration of project. Refer to Appendix A: Details for further information. Provide plywood access door c/w hardware to secure jobsite from entry by students. If lock provided ensure that Owner is provided with a key on site for access at all times to the construction area. Ensure minimum 1100mm clear in corridors to maintain means of egress.
015600.A3	TEMPORARY FLOOR PROTECTION. Provide and maintain "Ram Board" protection over existing floor finish during entire duration of construction. Attach so as not to damage existing finish.
024100.A1	SLAB ON GRADE. Refer to mechanical for new plumbing requirements. Provide all sawcutting and removals of entire or portions of existing slab on grade, excavation and trenching (assume 600mm deep) of existing below slab material to achieve below slab drainage installations as indicated in the mechanical drawings. Refer to structural for scanning, backfill, underpinning of adjacent walls and repair/replacement of slab on grade requirements. Note: Where required, contractor to perform drainage inspection prior to slab demolition to determine extent of existing underslab drainage system - refer to mechanical for inspection, video and report requirements.
024100.A1b	SLAB ON GRADE. Remove portion of slab on grade to accommodate new structural work - refer to structural.
024100.A3	SHOWER CURB. Remove shower curb to accommodate new work.
024100.C1	MASONRY WALL. Remove completely to accommodate new work. Refer to structural for further information.
024100.C3	NEW OPENING. Remove portion of wall as required to accommodate new work. Refer to structural for new lintel requirements. Provide engineered shoring as required.
024119.D1	DOOR. Remove existing door, frame and related hardware.
024119.E2a	TILE FINISH. Existing floor and wall tile finish to be removed unless noted otherwise. Refer to new work for new substrate otherwise prepare existing to receive new finish.
024119.E2b	TILE FINISH. Existing floor and base tile finish to be removed unless noted otherwise. Refer to new work for new substrate otherwise prepare existing to receive new finish.
024119.E6	GYPSUM/PLASTER CEILING. Remove sections of existing gypsum/plaster ceiling for structural modifications including installation of masonry lateral supports, lintels and repair work, new partition installation and/or modifications to existing, and all M&E services new and/or existing as required to accomplish new work.
024119.E6a	GYPSUM/PLASTER CEILING. Remove existing gypsum/plaster ceiling entirely to accommodate new work. Refer to mechanical and electrical for related demolition scope.
024119.E7	RESILIENT FLOORING. Remove existing resilient flooring. Scrape/remove all adhesive to expose clean substrate ready for new work.
024119.G1	PLUMBING FIXTURES. Remove all plumbing fixtures. Refer to Mechanical for complete removal scope.
024119.G2a	FLOOR DRAINS/CLEANOUTS. Remove floor drain/clean out and existing below slab drainage system - refer to Mechanical.
024119.G3	EXHAUST GRILLES AND FANS. Remove as indicated in mechanical drawings.
024119.G4	ACCESS DOORS. Remove and review with mechanical trade requirements for reuse in new work. Refer to mechanical specification for new access door requirements.
024119.H6a	LIGHT FIXTURES. Remove existing light fixtures as indicated. Refer to Electrical for complete removal scope.
024119.M40	SPRINKLER HEAD. Relocate sprinkler head. Refer to mechanical for complete removals scope.
081100.D45b	New 45 Min FRR door and frame c/w door closer.



20 SOUTH DUFRIN ST HUNTSVILLE ONTARIO P1H 1V7

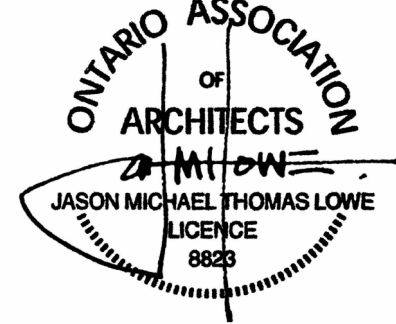
RFT B25-03
BOBCAYGEON
PUBLIC SCHOOL
STAFF WASHROOM

MARCH 2025

Issued for:
TENDER and
BUILDING PERMIT

MARCH 24, 2025

Seal



THIS DRAWING IS AN INSTRUMENT OF SERVICE AND IS THE PROPERTY OF THE ARCHITECT. COPYRIGHT FOR THE ARCHITECT'S INSTRUMENTS OF SERVICE BELONGS TO THE ARCHITECT. THIS DRAWING MAY NOT BE REPRODUCED WITHOUT PERMISSION. IF REPRODUCED IT MUST BE REPRODUCED IN FULL AND CARRY THE ARCHITECT'S NAME.

DATE: 3/24/2025 9:28:35 AM
PROJECT NO: RFT B25.03
DRAWN: JL
CHECKED: JLA

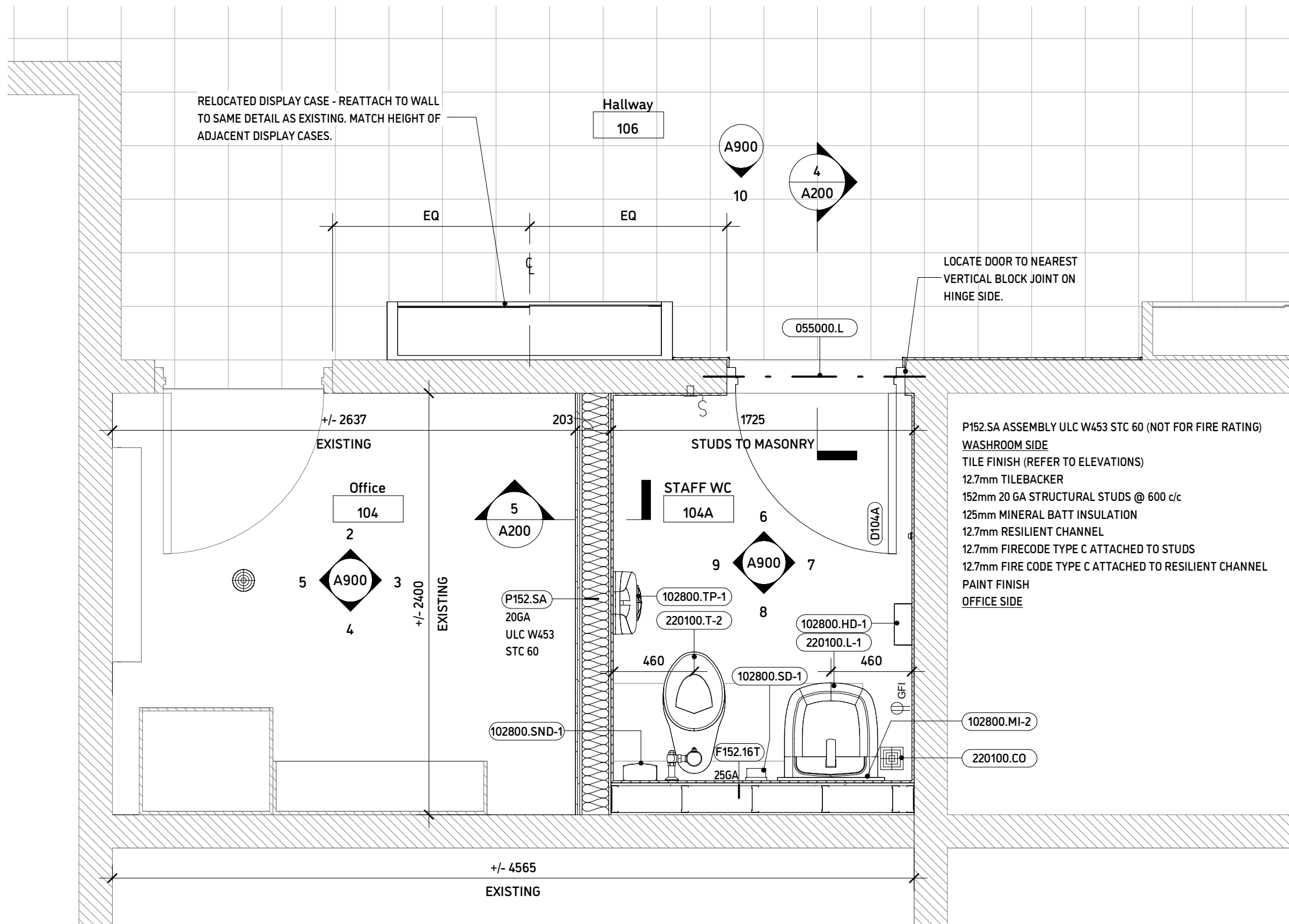
Revisions
Date

Description

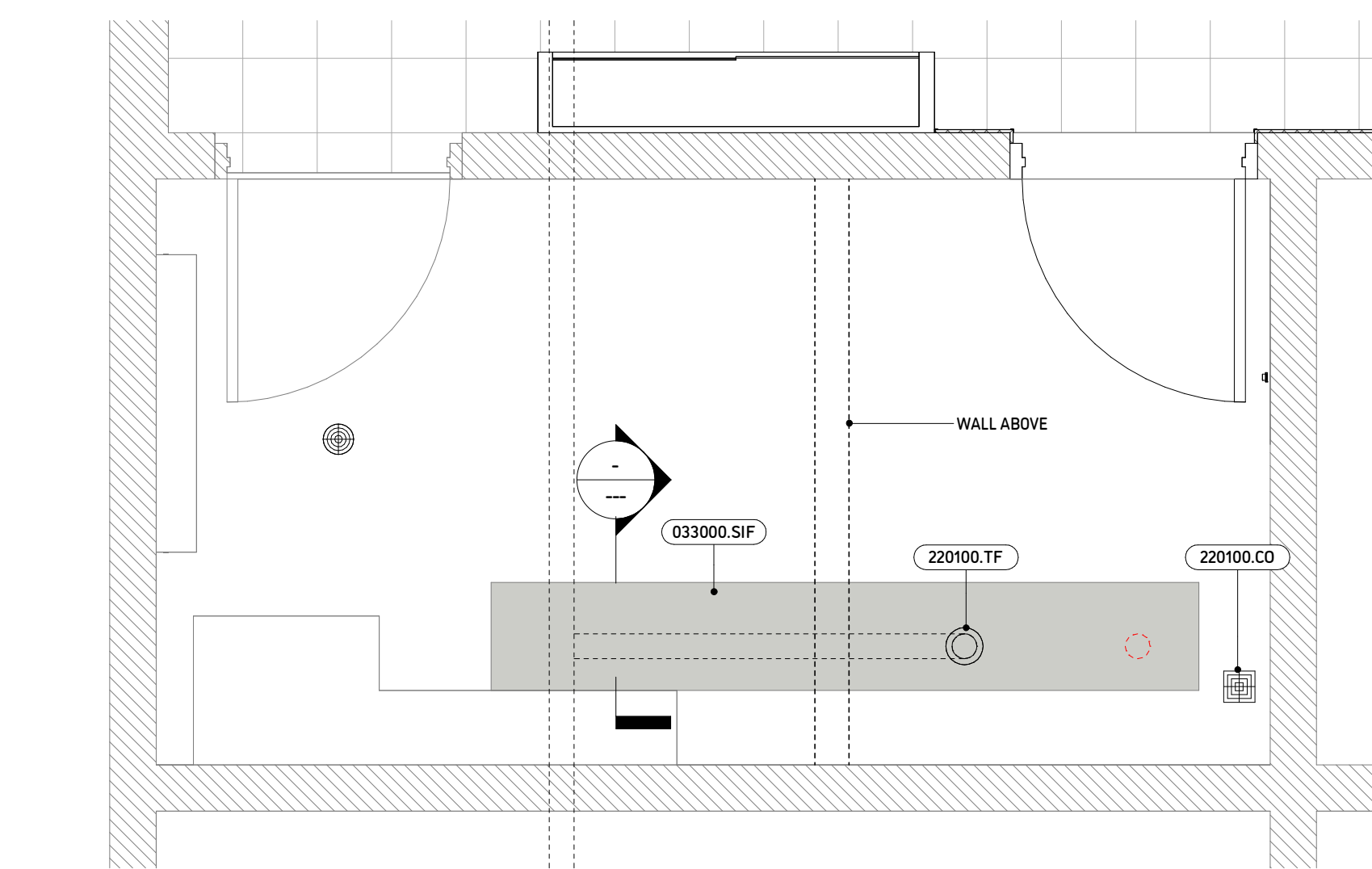
Tile
CODE COMPLIANCE
and DEMOLITION

Sheet

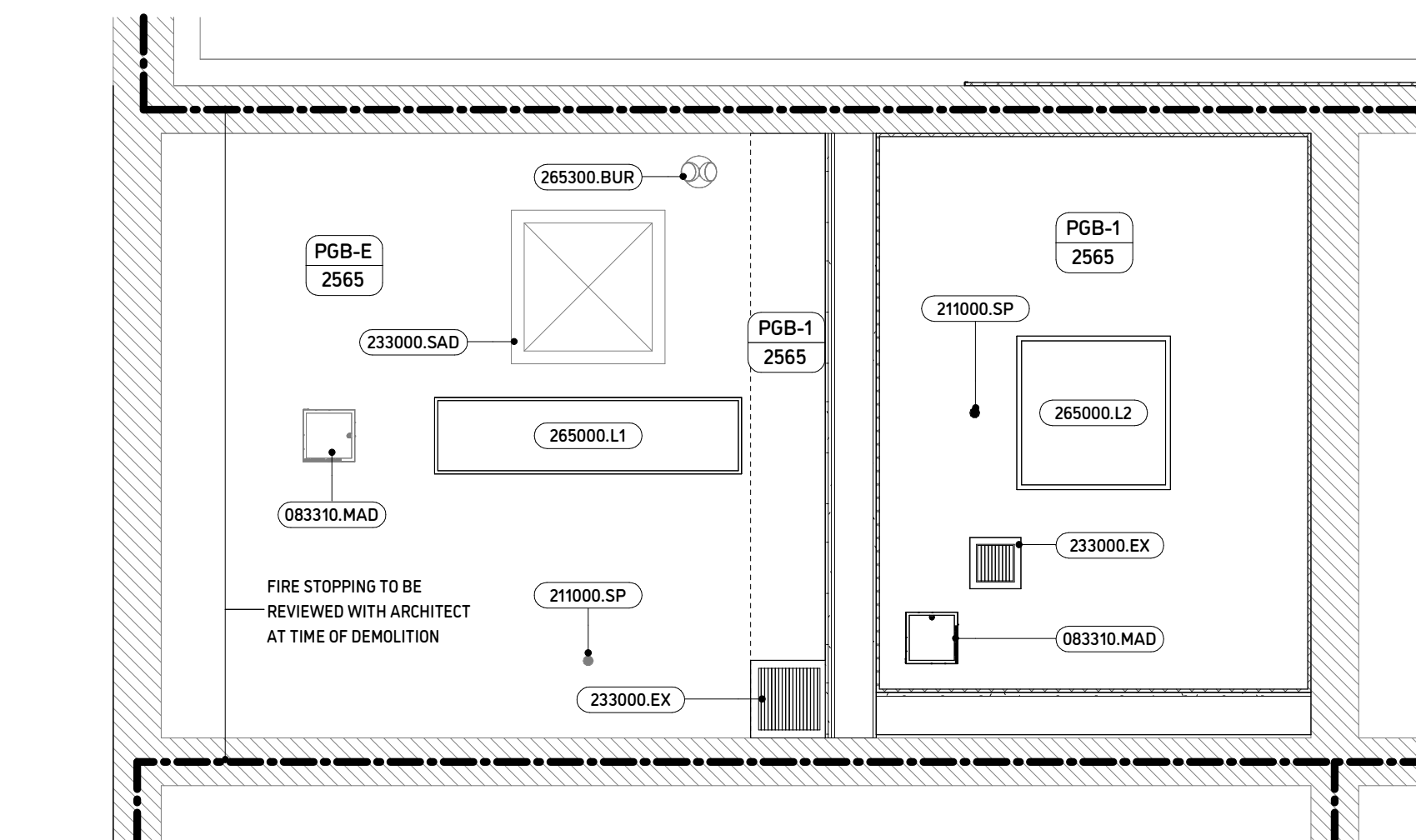
A010



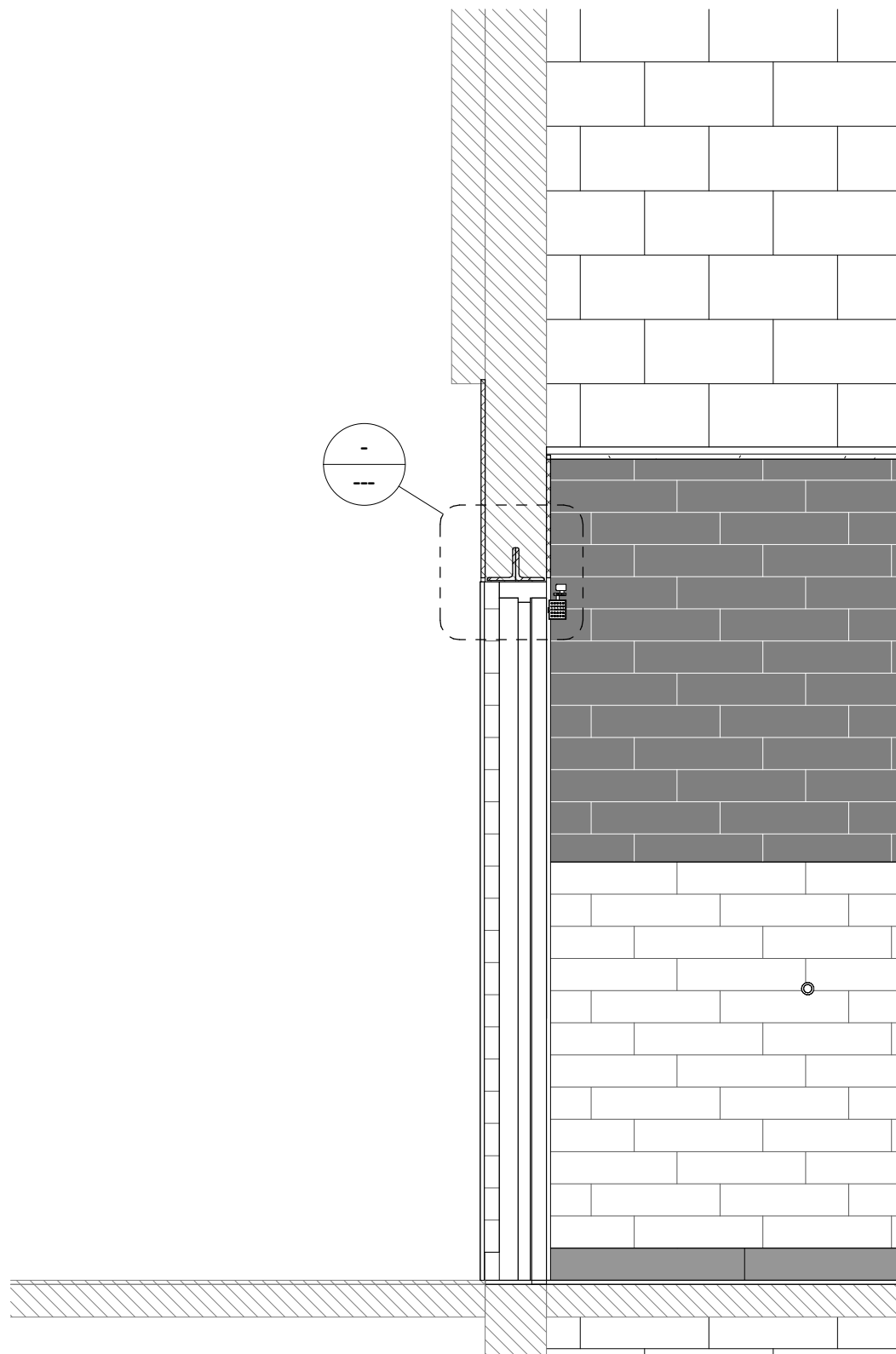
1 PLAN - NEW WORK
1:25



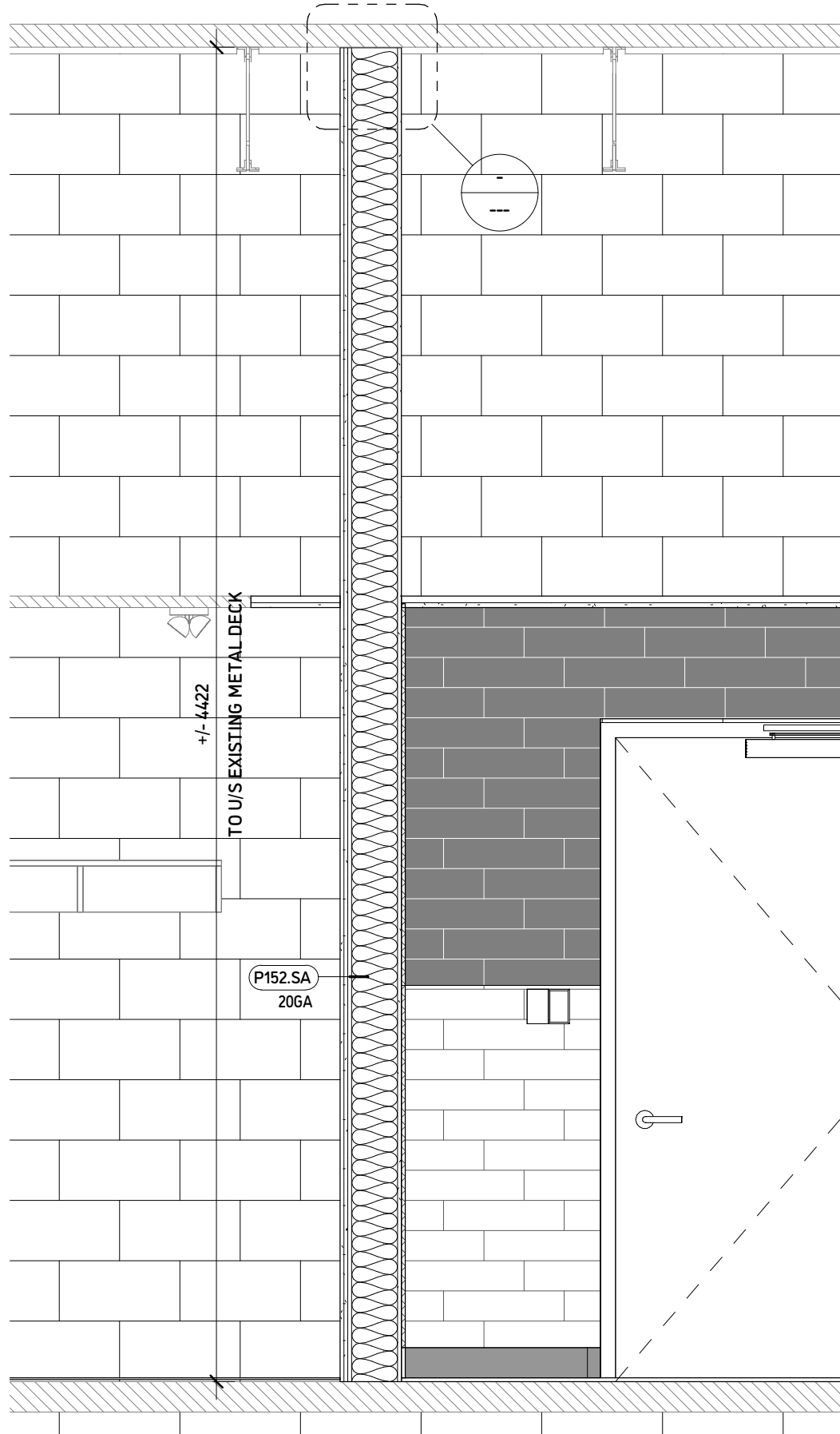
2 PLAN - NEW WORK SLAB
1:25



3 RCP - NEW WORK
1:25



4 WALL SECTION - NEW DOOR OPENING
1:20



5 WALL SECTION - NEW PARTITION WALL
1:20

KEYNOTE LEGEND

Key Value	Keynote Text
033000.SIF	SLAB INFILL. Refer to structural for details.
055000.L	LINTEL. Refer to structural.
083310.MAD	MECHANICAL ACCESS DOOR. Refer to Mechanical specification. Locate as required for most convenient access to new or existing equipment.
102800.HD-1	HAND DRYER. Contractor to provide hand dryer and coordinate installation with Electrical trade. Refer to electrical for power supply.
102800.MI-2	FLAT MIRROR - 24" x 36"
102800.SD-1	SOAP DISPENSER supply by Owner install by Contractor
102800.SND-1	SANITARY NAPKIN DISPOSAL
102800.TP-1	TOILET PAPER HOLDER supply by Owner install by Contractor
211000.SP	Sprinkler Head
220100.CO	CLEAN OUT. Refer to mechanical.
220100.L-1	LAVATORY. Refer to mechanical.
220100.T-2	TOILET T-2. Refer to mechanical.
220100.TF	TOILET FLANGE in tile
233000.EX	EXHAUST GRILLE. Refer to mechanical.
233000.SAD	SUPPLY AIR DIFFUSER. Refer to mechanical.
265000.L1	LIGHT FIXTURE L1 Refer to Electrical
265000.L2	LIGHT FIXTURE L2 Refer to Electrical
265300.BUR	EMERGENCY LIGHT remote unit Refer to Electrical

GENERAL NOTES - FLOOR PLAN

1. ALL WORK SHALL COMPLY WITH THE LATEST VERSION OF THE ONTARIO BUILDING CODE, REFERENCED STANDARDS, AND MANUFACTURER'S INSTRUCTIONS.
2. ALL DRAWINGS SHALL BE FULLY COORDINATED BY CONTRACTOR TO VERIFY ALL DIMENSIONS AND WORK BY ALL TRADES.
3. COORDINATE LOCATIONS OF NEW FLOOR, WALL AND ROOF OPENINGS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND LATEST REVIEWED SHOP DRAWINGS.
4. THE CONTRACT DOCUMENTS ARE TO BE READ AS A WHOLE. REFER TO CONTRACT FOR HIERARCHY OF INFORMATION. ARCHITECTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. WHERE CONFLICTS ARE ENCOUNTERED BETWEEN DISCIPLINES THE CONTRACTOR IS TO REQUEST CLARIFICATION FROM THE CONSULTANT IN WRITING.
5. DETAILS AND SECTIONS ON THE DRAWINGS ARE INDICATED AT SPECIFIC LOCATIONS. DETAILS NOTED "TYPICAL" OR "TYP" IMPLY SIMILAR CONDITIONS TO BE TREATED SIMILARLY. MODIFICATIONS TO BE MADE BY CONTRACTOR TO ACCOMMODATE MINOR VARIATIONS. WHERE SIGNIFICANT DIFFERENCES ARE ENCOUNTERED DUE TO SITE CONDITION CONTACT CONSULTANT FOR REVIEW AND DIRECTION PRIOR TO PROCEEDING.
6. FIRE SEPARATIONS/FIRE STOPPING. ALL NEW AND EXISTING PENETRATIONS THROUGH WALLS, FLOORS AND/OR CEILINGS DESIGNATED AS FIRE SEPARATIONS, NEW OR EXISTING EXPOSED DURING DEMOLITION, SHALL BE FIRE STOPPED AND SMOKE SEALED USING ULC TESTED AND APPROVED SYSTEMS. PATCH AND REPAIR ALL FIRE PROOFING AT BUILDING STRUCTURE WHERE MISSING OR DAMAGED TO MAINTAIN REQUIRED FIRE RATING. SEE DRAWING A010. REFER TO SPECIFICATION SECTIONS 0133 00 AND 0784 00.
7. COORDINATE AND SEQUENCE INSTALLATION OF ALL BLOCKING REQUIRED BY NEW WORK WITH ELEVATIONS AND DETAILS.
8. ACCESS PANELS/DOORS. NOT ALL REQUIRED OR EXISTING ACCESS PANELS, DOORS OR COVERS MAY BE INDICATED ON THE DRAWINGS. CONTRACTOR TO COORDINATE ACCESS DOOR AND PANEL REQUIREMENTS WITH APPROPRIATE TRADES. WHERE CONFLICTS ARISE REQUEST CLARIFICATION FROM CONSULTANT.
9. FLOOR DRAINS. REFER TO MECHANICAL. WHERE EXISTING FLOOR DRAINS ARE POSITIONED HIGH IN NEW WORK ALLOW FOR LOCAL SLAB CHIPPING AND FLOOR LEVELING TO SUIT SLOPE OR FLUSH TO NEW FINISHES INSTALL OF NEW DRAIN BODY.
10. FLOOR FINISHES. FLOOR FINISHES ARE NOT INDICATED ON GENERAL FLOOR PLANS FOR CLARITY. REFER TO FLOOR FINISH PLAN(S) FOR FLOOR FINISH INFORMATION, TILE PATTERNS AND RELATED INFORMATION.
11. CEILING GRIDS. UNLESS NOTED OR DIMENSIONED OTHERWISE NEW CEILING GRIDS HAVE BEEN LOCATED TO MATCH EXISTING GRID LAYOUTS TO MAINTAIN EXISTING RELATIONSHIPS TO DUCTWORK, SUPPORTS ETC. CONTRACTOR TO LOCATE AN EXISTING GRID T REFERENCE POINT PRIOR TO DEMOLITION FOR LAYOUT OF NEW GRID AS REQUIRED.
12. REFER TO APPENDIX A DSK 09 SERIES FOR CONSTRUCTION ASSEMBLIES.

DIMENSIONING CONVENTIONS:

- A. ALL DIMENSIONS ON ARCHITECTURAL DRAWINGS ARE CLEAR MEASUREMENTS TO FINISHED FACE UNLESS OTHERWISE NOTED.
- B. THE CONTRACTOR SHALL ENSURE ALL CODE REQUIRED MINIMUM CLEARANCES ARE MAINTAINED IN THE WORK. NOTIFY CONSULTANT WHERE CLEAR OR CRITICAL DIMENSIONS ARE DESIGNATED BUT CANNOT BE ACHIEVED FOR REVIEW AND DIRECTION.
- C. DRAWINGS ARE NOT TO BE SCALED. VERIFY ANY MISSING OR CONFLICTING DIMENSIONS WITH THE ARCHITECT/CONSULTANT PRIOR TO PROCEEDING WITH THE WORK.
- D. MAINTAIN CONSISTANT FINISHED FLOOR DATUM THROUGHOUT THE PROJECT. AREA SUCH THAT DIMENSIONS INDICATED AS ABOVE FINISHED FLOOR (AFF) ARE REFERENCED FROM THE SAME DATUM TO MAINTAIN ALIGNMENT OF ELEMENTS HORIZONTALLY.
- E. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO STARTING WORK. REPORT ALL DISCREPANCIES TO THE CONSULTANT FOR CLARIFICATION PRIOR TO COMMENCING WORK.
- F. REFER TO APPENDIX A: DETAILS FOR TYPICAL MOUNTING HEIGHTS. BUILDING CODE REQUIRED MINIMUM CLEARANCES ARE TO BE MAINTAINED.

DOOR SCHEDULE

Door #	From		To		Door Type	Width	Height	Thick	Door Material	Door Finish	Frame	Frame Type	Frame Material	Finish	Hardware	Fire Rating	Comments
D104A	Hallway	106	STAFF WC	104A	D2	914	2134	45	HM	PME	F1	PSF		PME	HG #5	45 MIN	A

DOOR SCHEDULE - NOTES

1. REFER TO DOOR SCHEDULE COMMENTS COLUMN FOR APPLICABLE NOTE(S)
 2. REFER TO APPENDIX A: DETAILS FOR ADDITIONAL DOOR AND FRAME INFORMATION
 3. CONTRACTOR TO CONFIRM ON SITE ALL EXISTING DIMENSIONS FOR DOOR LEAF, FRAME WIDTH, HEIGHT, PROFILE AND DEPTH AT JAMB AND HEAD AND EXISTING ROUGH OPENINGS PRIOR TO SHOP DRAWING SUBMISSION AND FABRICATION. ANY DISCREPANCIES BETWEEN THE DOOR SCHEDULE AND EXISTING CONDITION DIMENSIONS TO BE REVIEWED WITH THE ARCHITECT.
- A. PAINT FINISH. DOOR AND FRAME PAINTED. COLOUR TO MATCH EXISTING SCHOOL COLOUR SCHEME OF ADJACENT DOORS.



20 SOUTH DUFFERIN ST HUNTSVILLE ONTARIO P1H 1V7

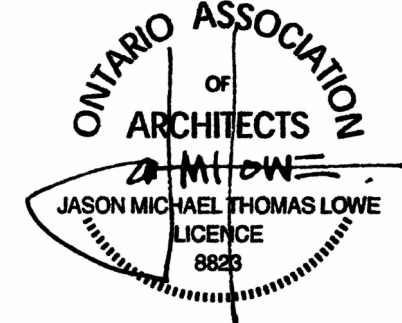
RFT B25-03
BOBCAYGEON
PUBLIC SCHOOL
STAFF WASHROOM

MARCH 2025

Issued for:
TENDER and
BUILDING PERMIT

MARCH 24, 2025

Seal



THIS DRAWING IS AN INSTRUMENT OF SERVICE AND IS THE PROPERTY OF THE ARCHITECT. COPYRIGHT FOR THE ARCHITECT'S INSTRUMENTS OF SERVICE BELONGS TO THE ARCHITECT. THIS DRAWING MAY NOT BE REPRODUCED WITHOUT PERMISSION. IF REPRODUCED IT MUST BE REPRODUCED IN FULL AND CARRY THE ARCHITECT'S NAME.

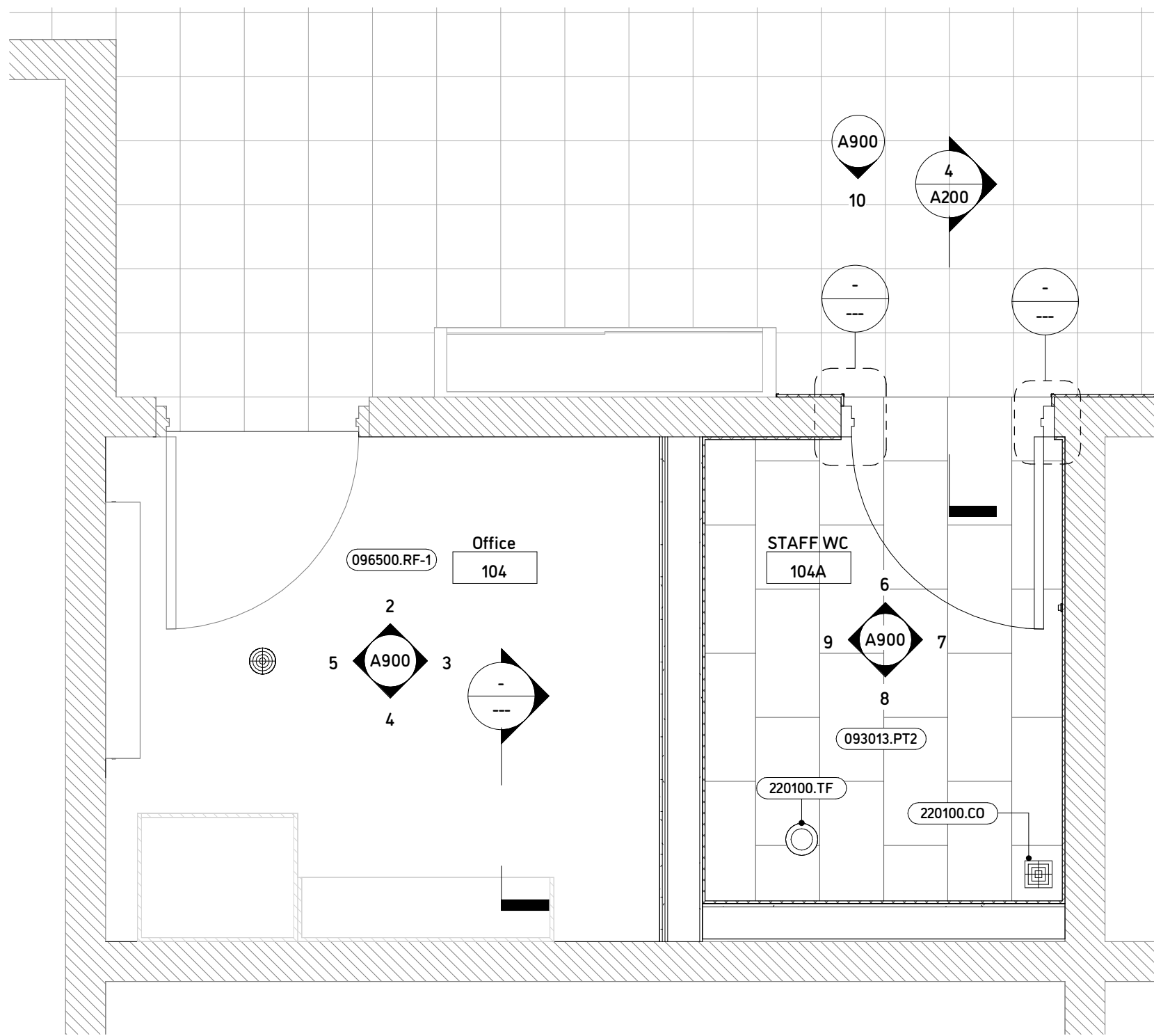
DATE: 3/24/2025 9:28:35 AM
PROJECT NO: RFT B25.03
DRAWN: JL
CHECKED: JLA

Revisions
Description Date

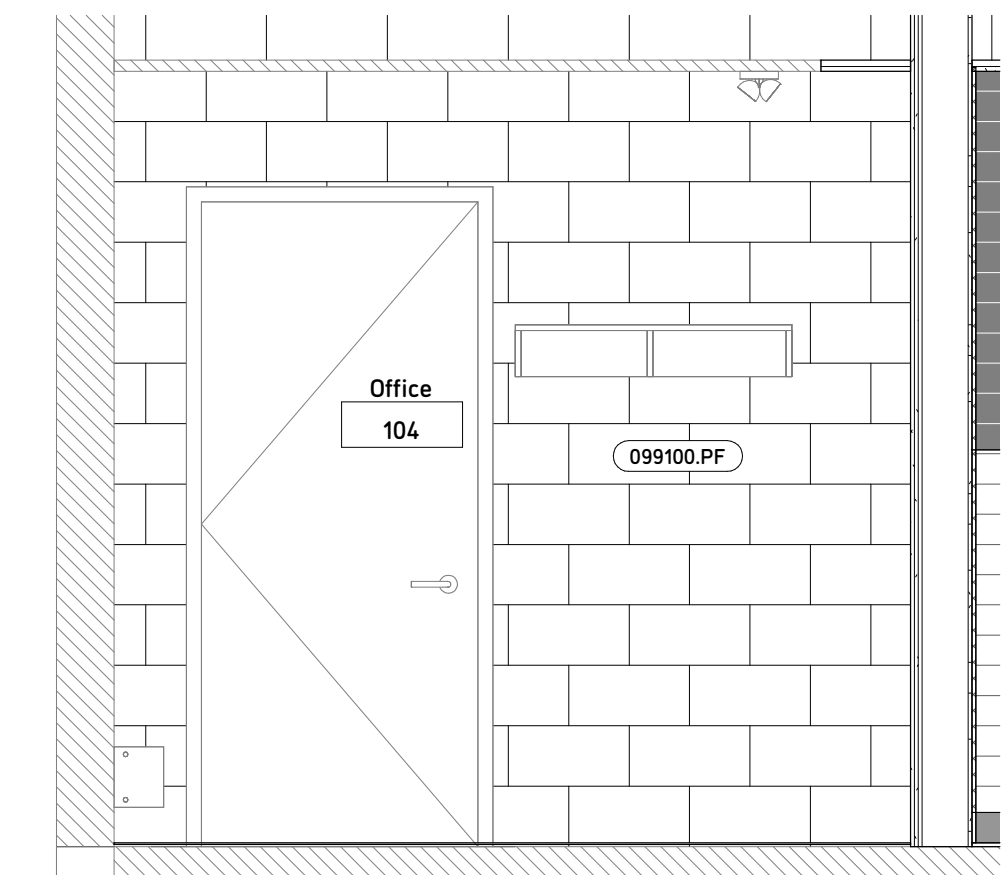
Title
NEW WORK

Sheet

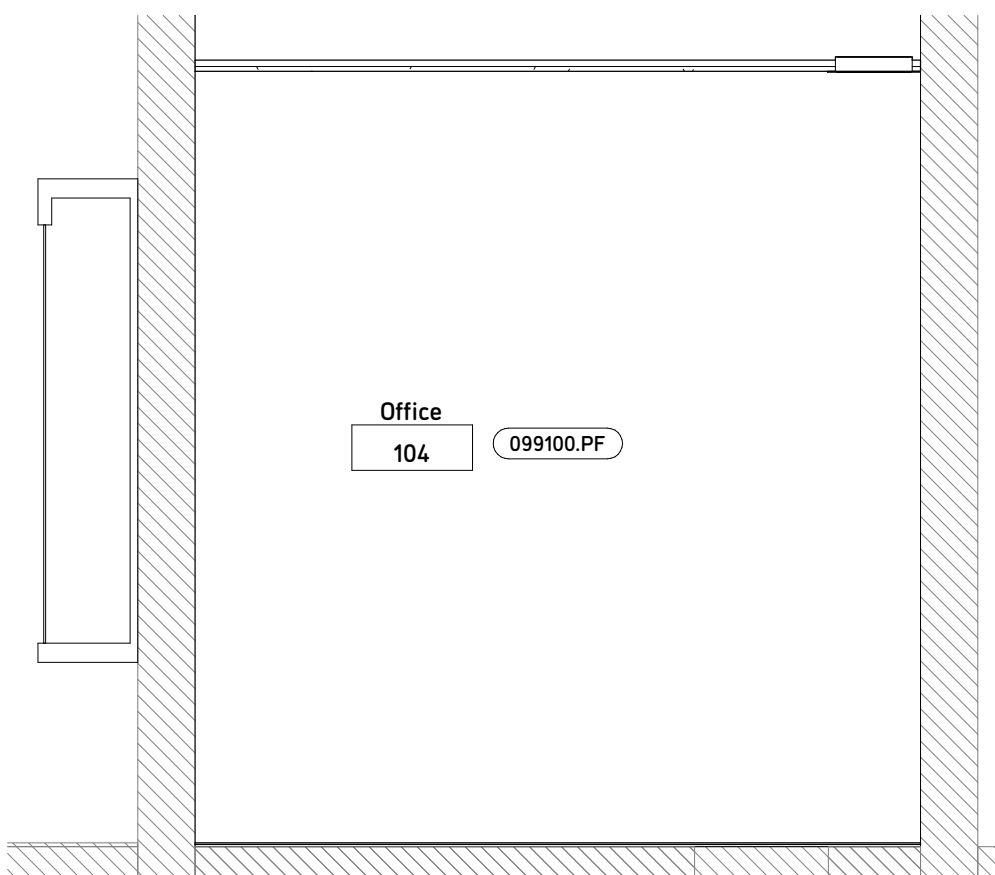
A200



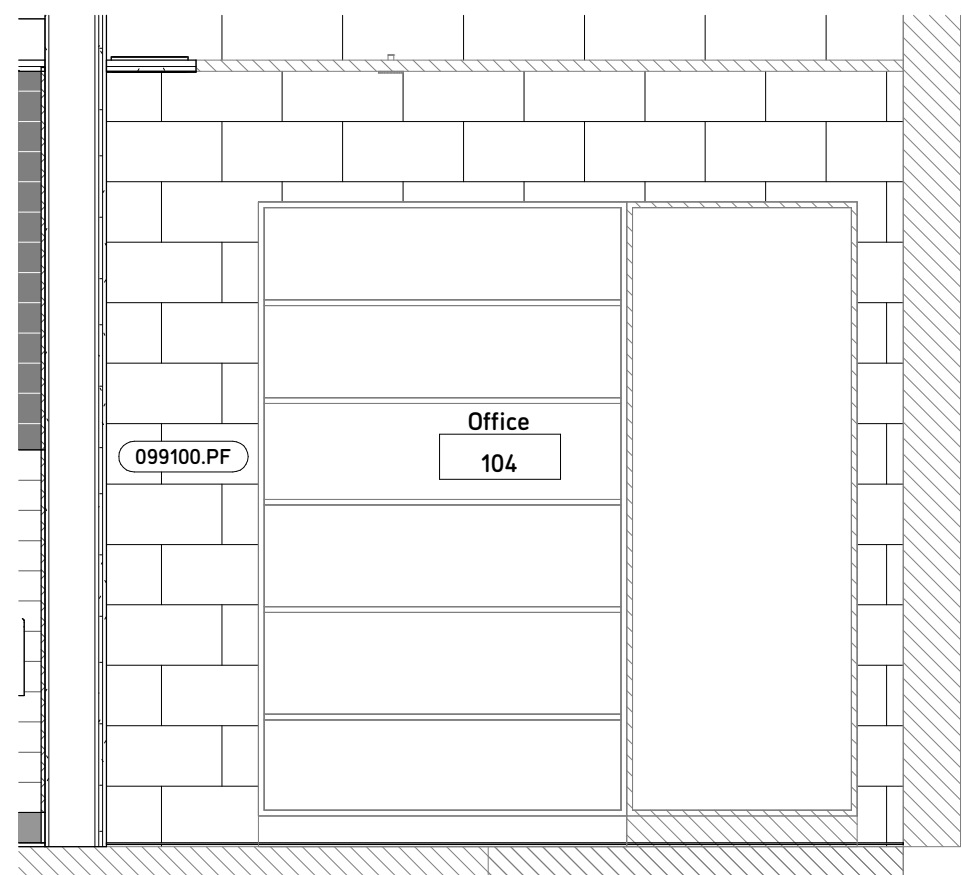
1 PLAN - FINISHES
1:25



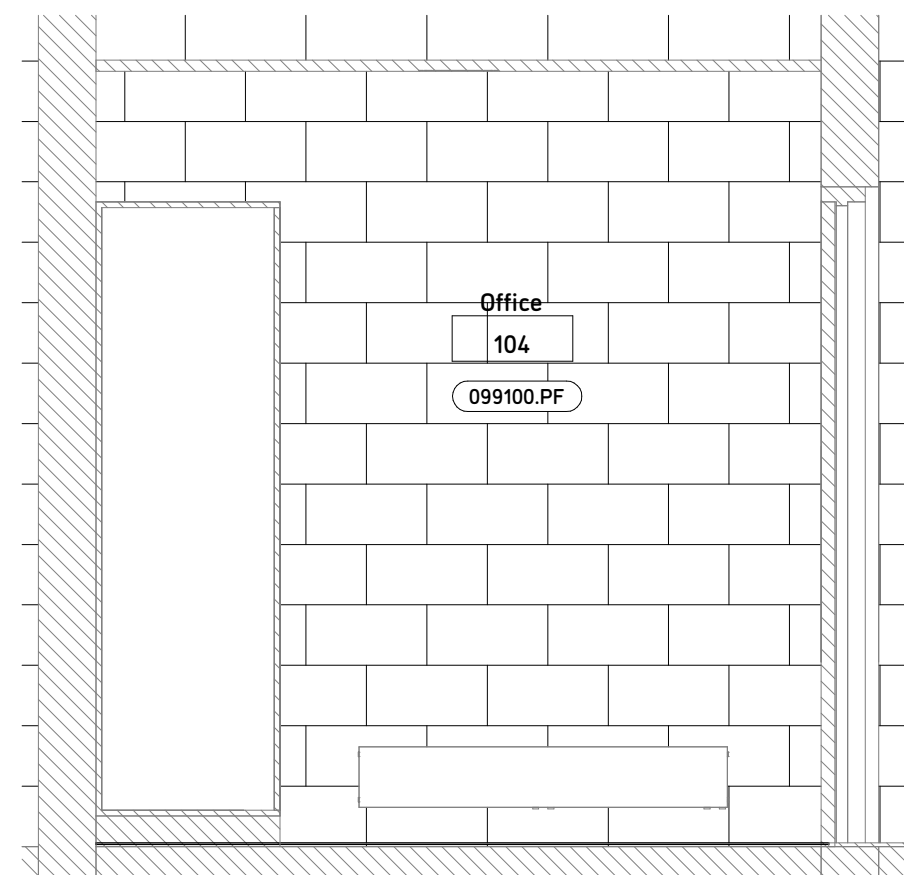
2 Rm 104 NORTH
1:25



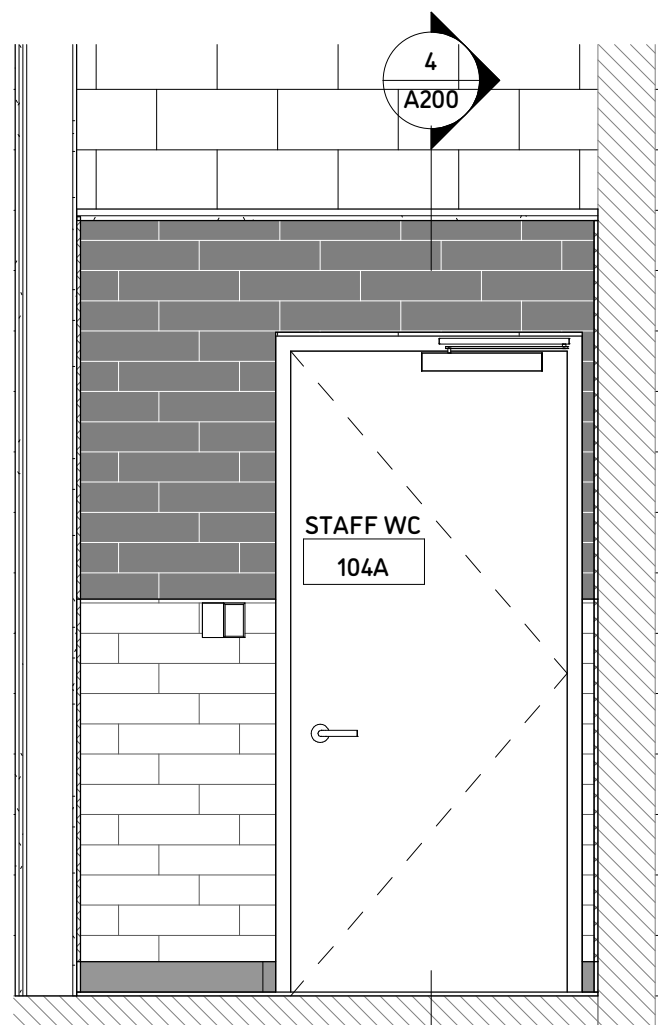
3 Rm 104 EAST
1:25



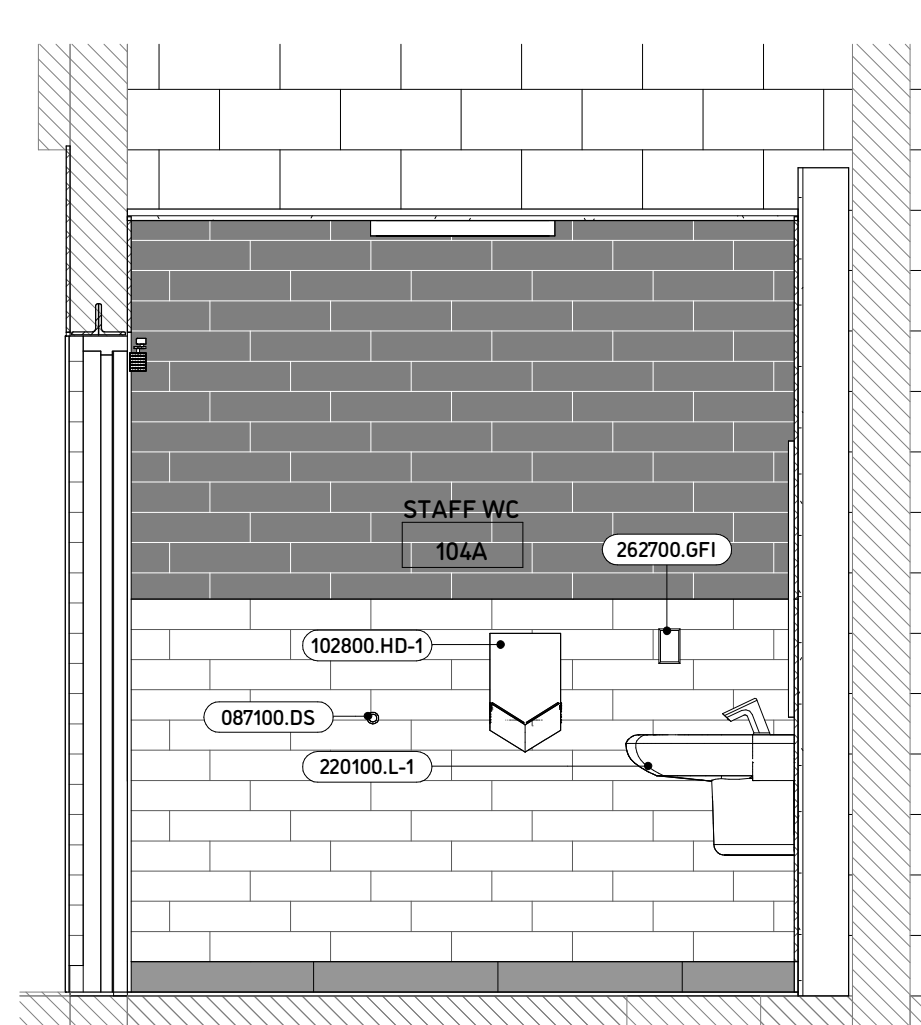
4 Rm 104 SOUTH
1:25



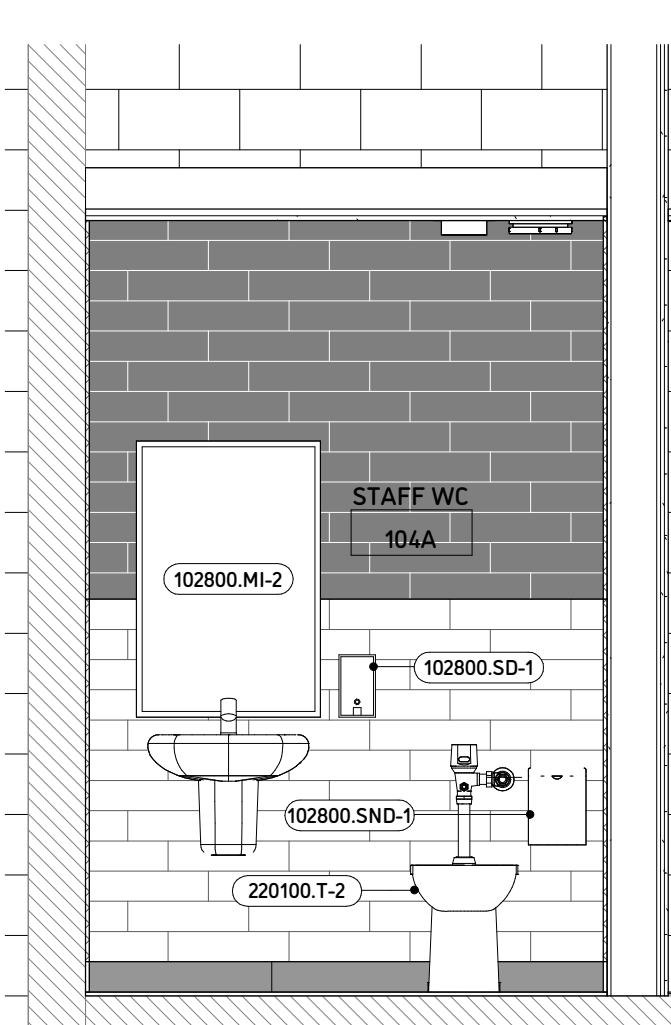
5 Rm 104 WEST
1:25



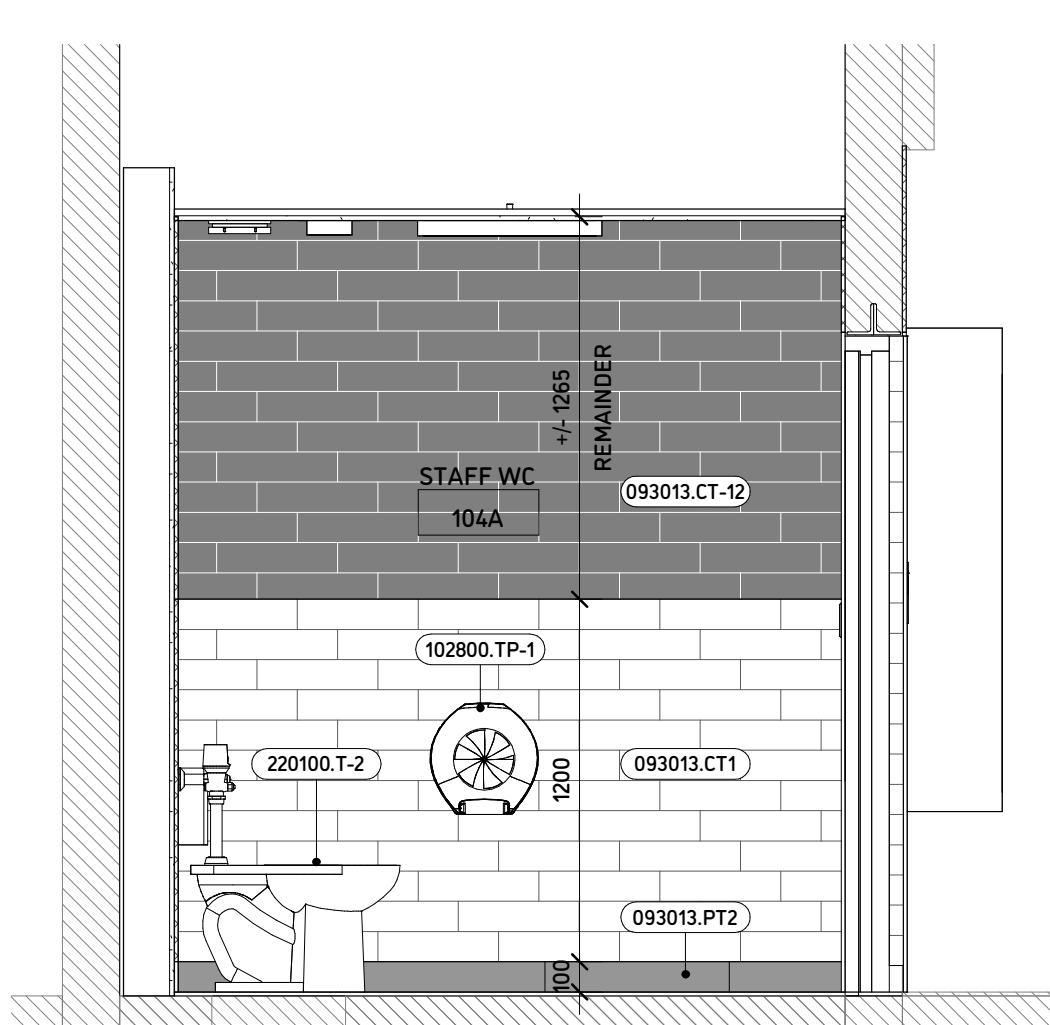
6 Rm 104A NORTH
1:25



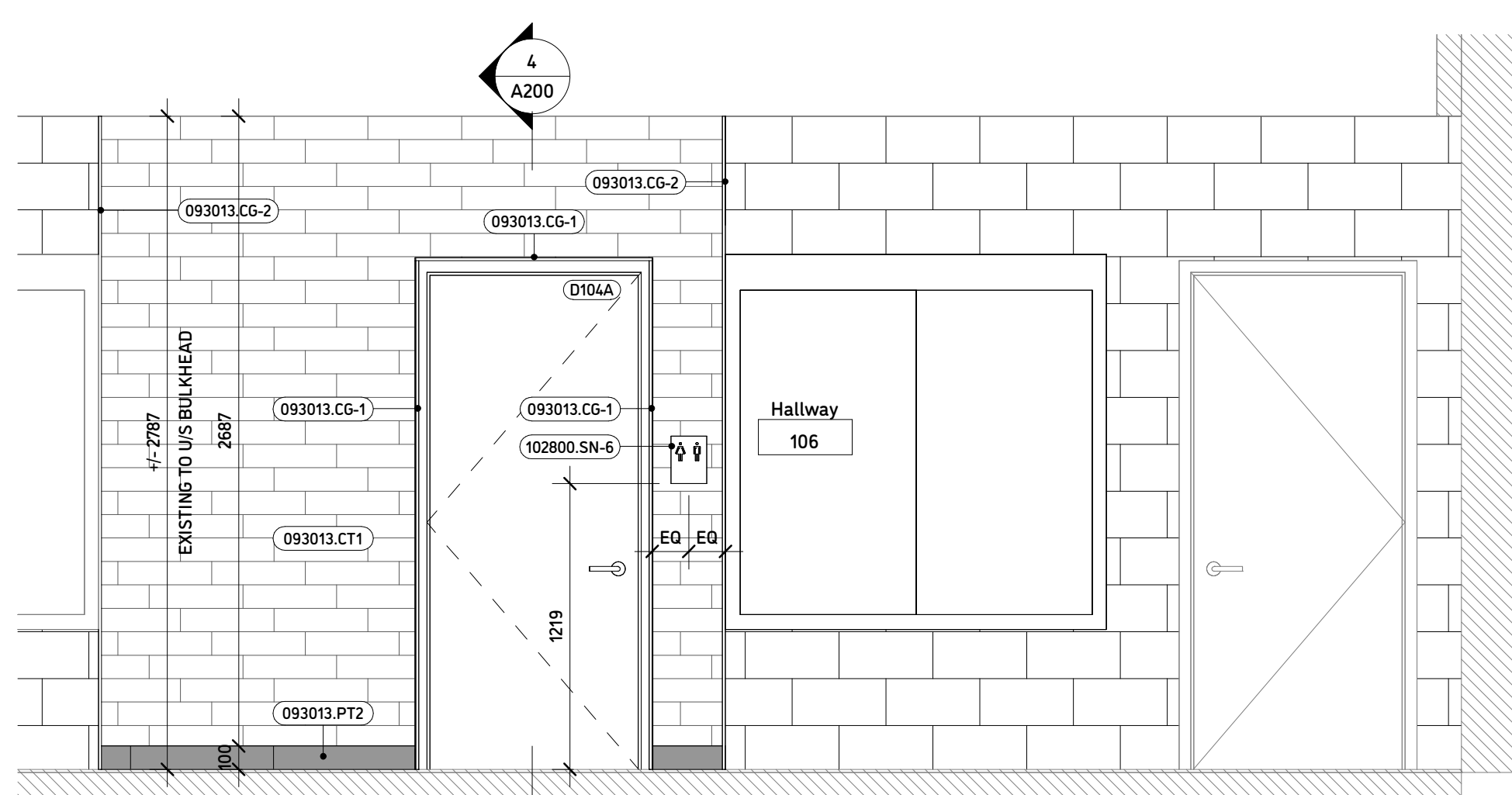
7 Rm 104A EAST
1:25



8 Rm 104A SOUTH
1:25



9 Rm 104A WEST
1:25



10 Rm 106 HALLWAY SOUTH
1:25

ROOM FINISH SCHEDULE

Room name	Room #	Floor Finish	Wall Finish	Base Finish	Ceiling Finish	Comments
Office	104	PT-2	CB/PGB/PME	RB	PGB-1/PME	
STAFF WC	104A	PT-2	CT-1/CT-12	PT-2	PGB-1/PME	A

ROOM FINISH SCHEDULE - NOTES

1. REFER TO SPECIFICATIONS FOR SPECIFIC PRODUCTS IDENTIFIED BY THE TAG AND KEYNOTES ON DRAWINGS AND SCHEDULES.

PT-X. PORCELAIN TILE.
CT-X. CERAMIC TILE.
MT-X. MOSAIC TILE.
PF. PAINT FINISH.
PME. PAINT MATCH EXISTING.
RB. RUBBER BASE.
VCT. VINYL COMPOSITE TILE.
ACT. ACOUSTIC CEILING TILE.
EXIST. EXISTING FINISH TO REMAIN.
EXT. EXISTING TERRAZZO TO REMAIN.
CS. CONCRETE SEALER

2. REFER TO A900 SERIES FINISH DRAWINGS FOR FULL EXTENT OF FINISHES.

A. DOOR AND FRAME TO RECEIVE PAINT FINISH TO MATCH EXISTING.
B. GYPSUM CEILING TO RECEIVE PAINT FINISH.

GENERAL NOTES - FINISHES

1. TILE PRE-INSTALLATION MEETING: A PRE-INSTALLATION MEETING IS TO BE COORDINATED BY THE CONTRACTOR AND THEIR TILE TRADE(S), THE ARCHITECT AND THE OWNER PRIOR TO COMMENCING TILE INSTALLATION. REFER TO SPECIFICATION SECTION 013119 FOR FURTHER INFORMATION.

2. KEYNOTE NUMBERS RELATE TO THE SPECIFICATION SECTIONS - REFER TO APPROPRIATE SPECIFICATION SECTION FOR FURTHER INFORMATION.

3. FIXTURES AND ACCESSORIES HAVE BEEN REMOVED FROM VIEW IN FINISH PLANS FOR CLARITY. REFER TO A200 SERIES FLOOR PLANS FOR FURTHER INFORMATION.

4. COORDINATE PLUMBING FIXTURE FINISHED HEIGHTS WITH FINISHED FLOOR ELEVATIONS FOR FLUSH INSTALL.

5. PAINTING.
.1 ALL EXISTING PAINTED SURFACES WITHIN AREA OF NEW WORK TO RECEIVE NEW PAINT INCLUDING WALLS, GYPSUM CEILINGS, DOORS AND FRAMES AND ANY ACCESSORY ITEMS SUCH AS METAL SUPPORT BRACKETS AND FRAMES FOR BENCHES AND HOOKS IF APPLICABLE, UNLESS OTHERWISE NOTED. REFER TO SPECIFICATIONS.
.2 ALL NEW GYPSUM BOARD SURFACES TO RECEIVE PAINT FINISH.
.3 COLOUR. PAINT COLOURS ARE TO MATCH EXISTING SCHOOL COLOUR SCHEME(S).
.4 DO NOT PAINT FIRE RATED DOOR OR CEILING GRILLES (TYP.).
.5 REFER TO DRAWINGS AND SPECIFICATIONS FOR FINISH REQUIREMENTS FOR EXISTING MILLWORK ELEMENTS.

6. REFER TO APPENDIX A: DETAILS FOR TYPICAL APPLICABLE FINISH DETAILS:
DSK 01.4 MOUNTING HEIGHTS
DSK 08.1 DOOR FRAME DETAILS - MASONRY WALLS
DSK 08.2 DOOR FRAME DETAILS - STEEL STUD WALLS
DSK 09.10 DOOR "POCKET" DETAIL
DSK 09.11 TILE ACCESSORIES (CORNER GUARDS AND TRANSITIONS)
DSK 09.12 TILE BASE DETAILS

7. FOR TILE PATTERNS - REFER TO DETAIL THIS PAGE UNLESS NOTED OTHERWISE BY KEYNOTES ON ELEVATIONS.



20 SOUTH DUFFERIN ST. HUNTSVILLE, ONTARIO P1H 1V7

RFT B25-03 BOBCAYGEON PUBLIC SCHOOL STAFF WASHROOM

MARCH 2025

TENDER and BUILDING PERMIT

MARCH 24, 2025

Seal



THIS DRAWING IS AN INSTRUMENT OF SERVICE AND IS THE PROPERTY OF THE ARCHITECT. COPYRIGHT FOR THE ARCHITECT'S INSTRUMENTS OF SERVICE BELONGS TO THE ARCHITECT. THIS DRAWING MAY NOT BE REPRODUCED WITHOUT PERMISSION. IF REPRODUCED IT MUST BE REPRODUCED IN FULL AND CARRY THE ARCHITECT'S NAME.

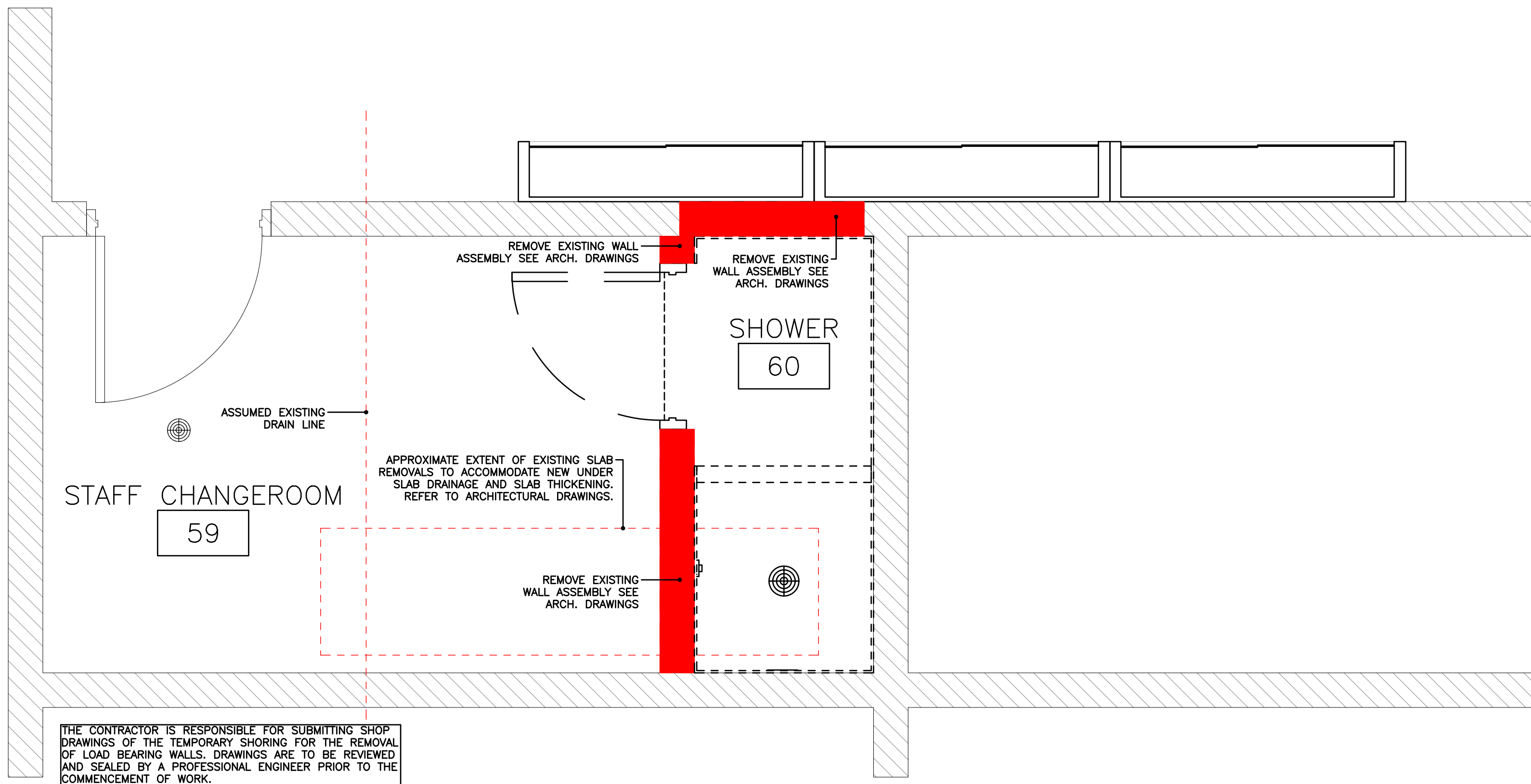
DATE: 3/24/2025 9:28:37 AM
PROJECT NO: RFT B25.03
DRAWN: JL
CHECKED: JLA

Revisions
Description Date

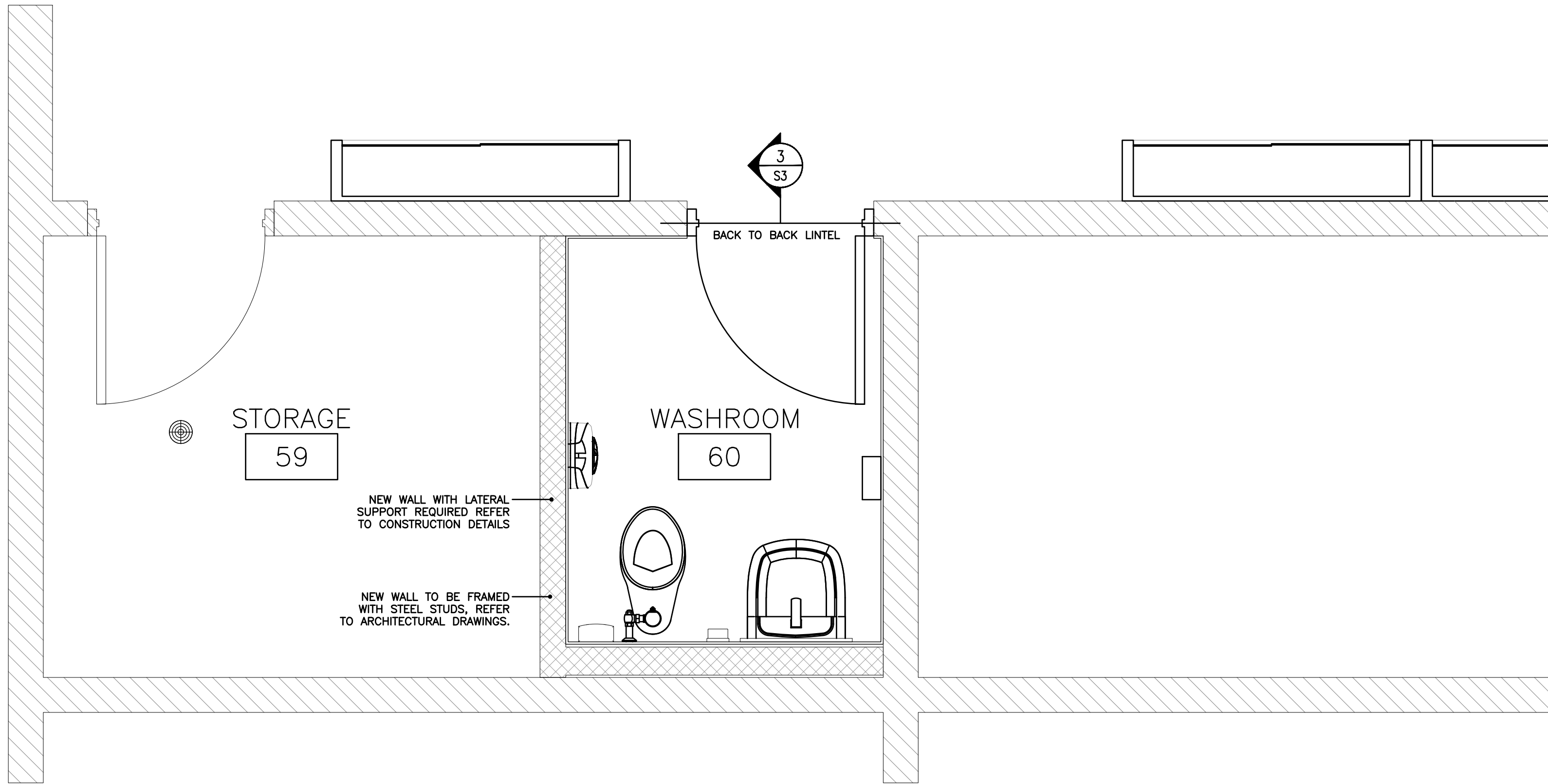
INTERIORS

A900

P:\2025\250709 Jason Lowe Architect - Bobcaygeon PS Staff Washroom\Structural\04 Drawings\04.02 Current\250709 - Bobcaygeon Public School - 2025.02.21.dwg



1 ROOM 59 AND 60 - EXISTING CONDITIONS / REMOVALS
SCALE 1:20



2 ROOM 59 AND 60 - PROPOSED PLAN
SCALE 1:20

KEY PLAN



44.54516, -78.55042

ENGINEER'S SEAL:



2025/03/21	0	ISSUED FOR TENDER	HD	FP	
DATE	REV.	REVISION	BY	APP'D	

CLIENT:



CONSULTANT:



PROJECT TITLE:

BOBCAYGEON
PUBLIC SCHOOL
BOBCAYGEON, ONTARIO

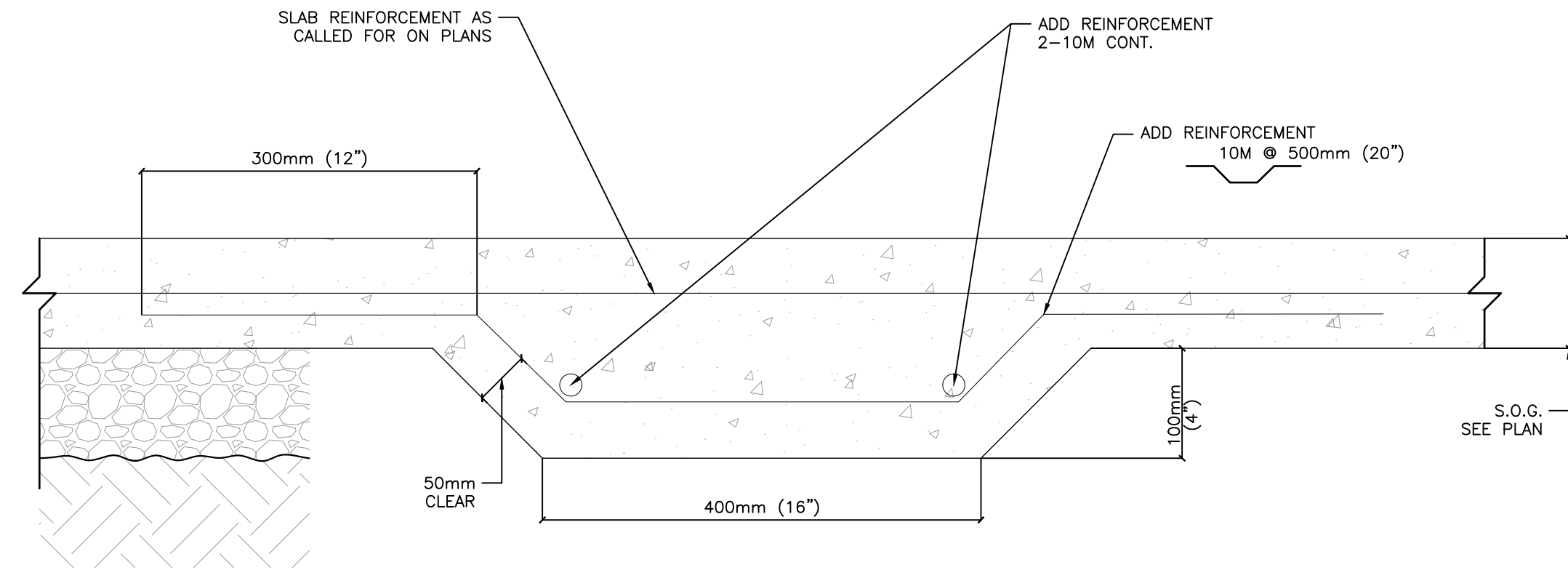
DRAWING TITLE:

RFT B25-03 STRUCTURAL
UPGRADE AND REPAIRS -
ROOM 59 AND 60

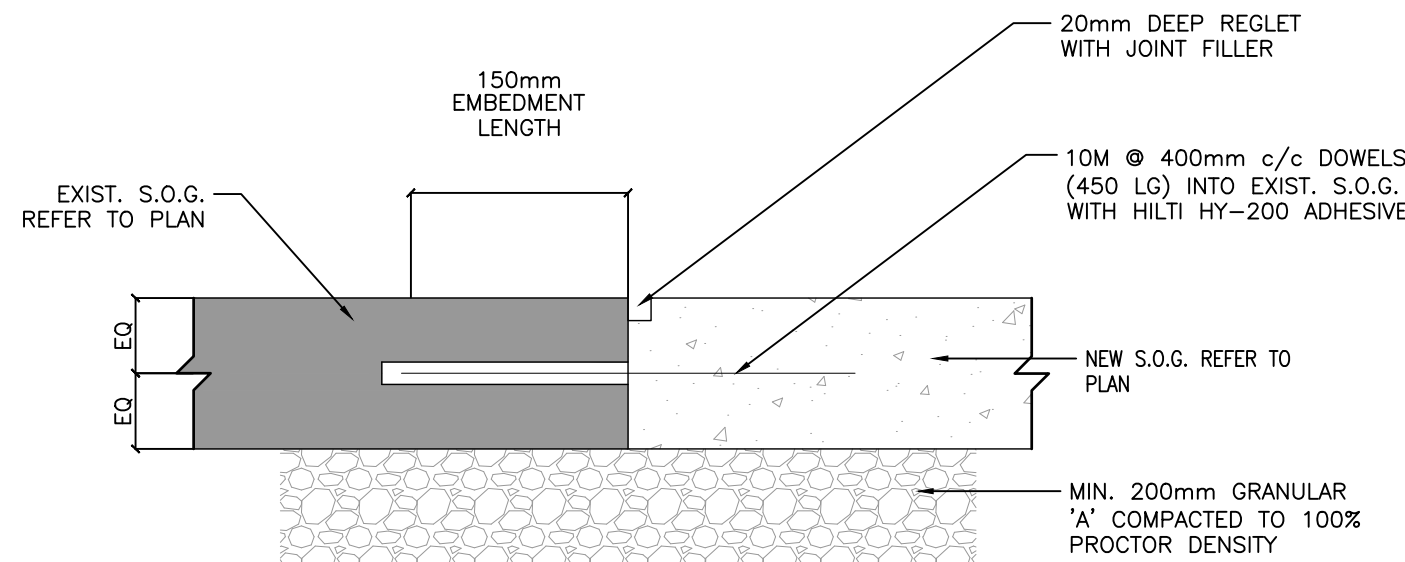
HD	FP	FP	FP
DRAWN	DESIGNED	CHECKED	APPROVED
1:20	2025/03/21		
SCALE	DATE		

25-0709	0	S1
PROJECT No.	REVISION	DRAWING

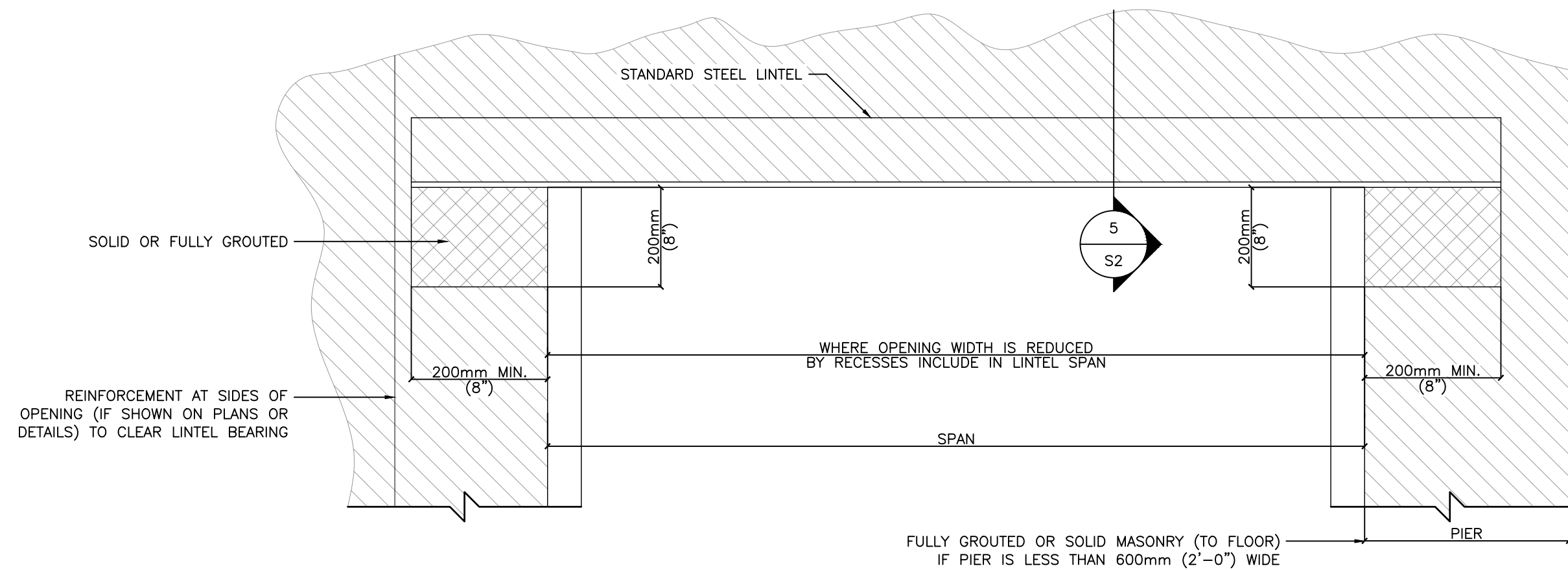
P:\2025\250709 Jason Lowe Architect - Bobcaygeon PS Staff Washroom\Structural\04 Drawings\04.02 Current\250709 - Bobcaygeon Public School - 2025.02.21.dwg



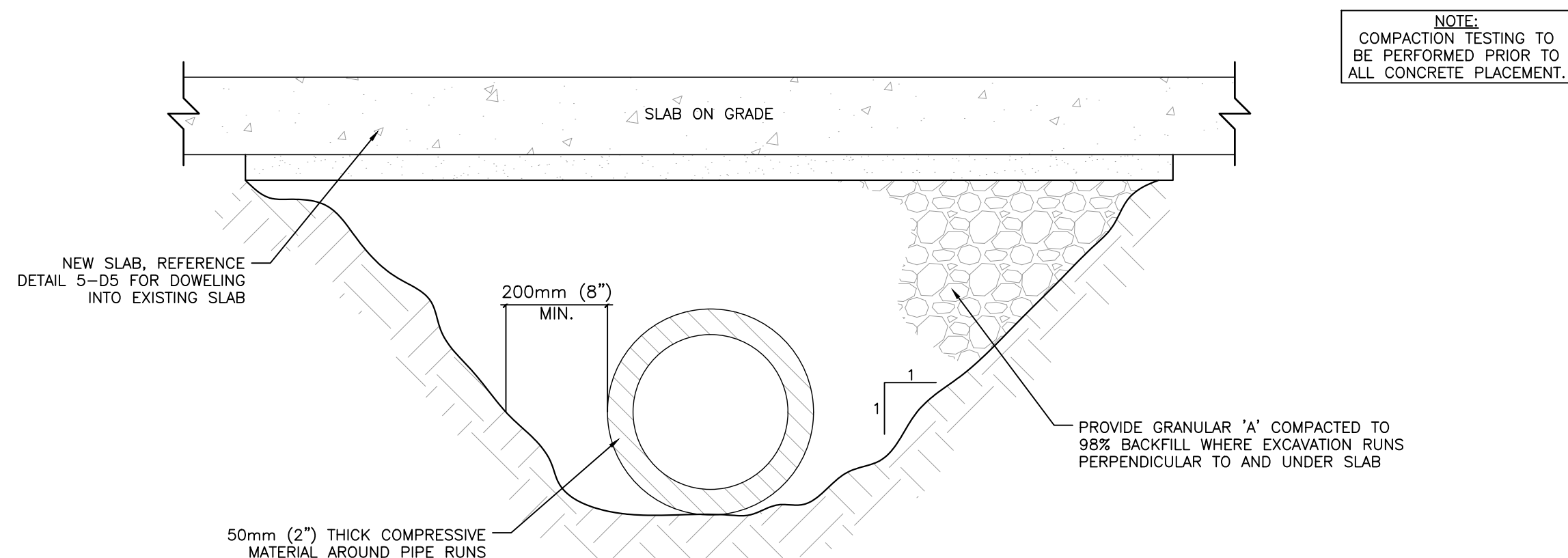
1 SLAB ON GRADE THICKENING
S2 SCALE 1:10



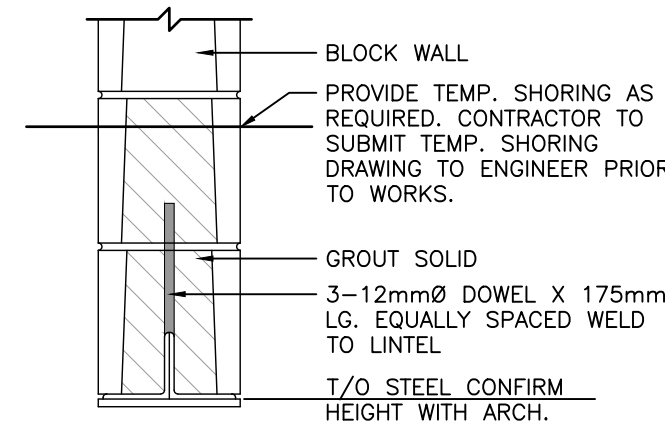
3 DOWEL TO EXISTING SLAB ON GRAD
S2 SCALE 1:5



4 TYP. STEEL LINTEL IN MASONRY WALLS
S2 SCALE 1:10



2 BACKFILL AROUND PIPE UNDER SLAB ON GRADE
S2 SCALE 1:10



5 STEEL ANGLE LINTEL DETAIL
S2 SCALE 1:10

TABLE D: TYPICAL STEEL LINTELS — LOAD-BEARING MASONRY WALL		
WALL THICKNESS	ANGLE SPAN	DETAIL
90 (4") VENEER	L152x89x13	
140 (6")	2 - L127x76x13	
190 (8")	2 - L152x89x13	
240 (10")	2 - L178x102x13	
290 (12")	2 - L203x152x19	

KEY PLAN



44.54516, -78.55042

ENGINEER'S SEAL:



2025/03/21	0	ISSUED FOR TENDER	HD	FP
DATE (DAY/MON/YR.)	REV.	REVISION	BY	APP'D

CLIENT:



CONSULTANT:



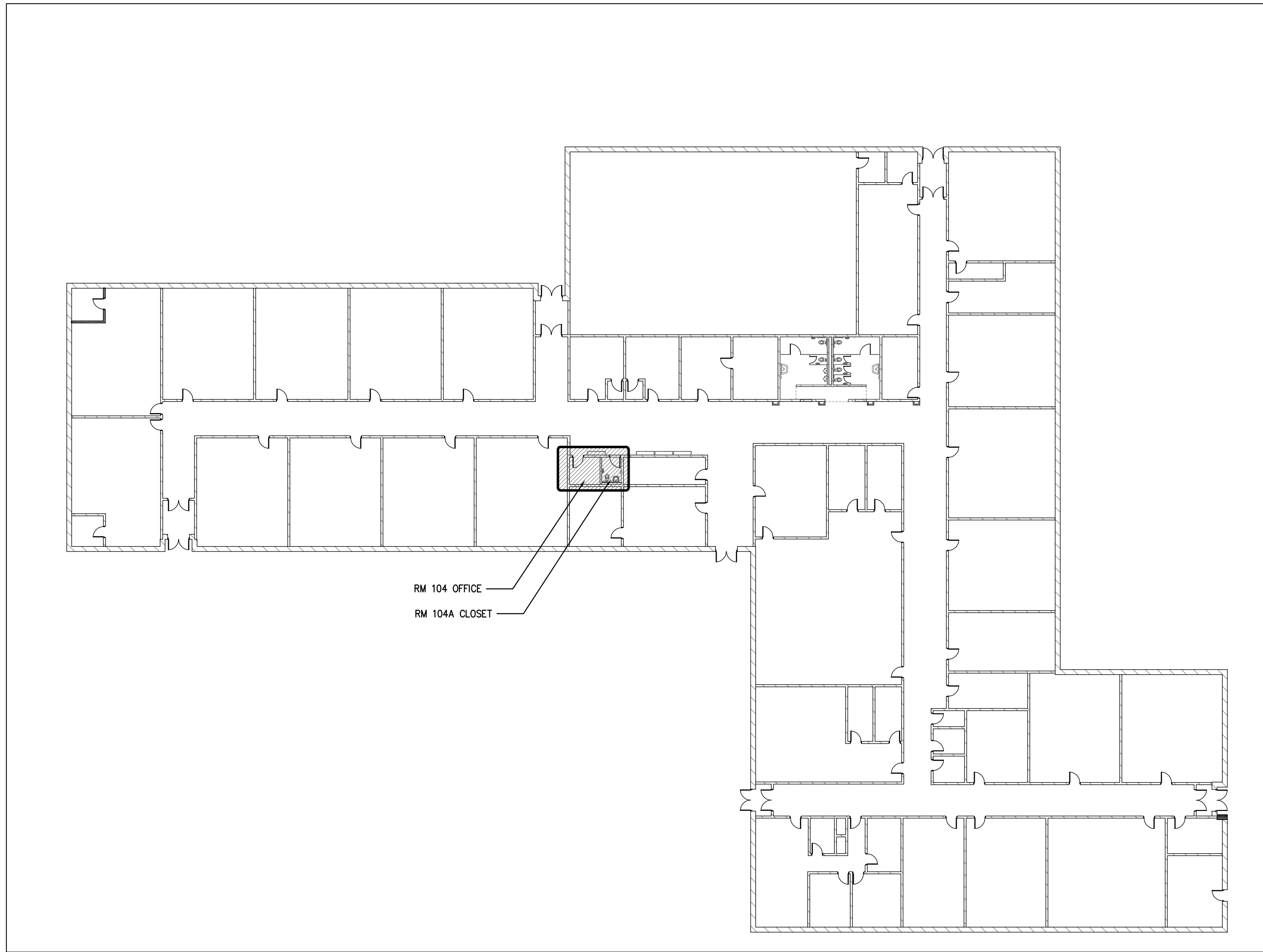
PROJECT TITLE:

BOBCAYGEON
PUBLIC SCHOOL
BOBCAYGEON, ONTARIO

DRAWING TITLE:

RFT B25-03 STRUCTURAL
UPGRADE AND REPAIRS -
CONSTRUCTION DETAILS

HD	FP	FP	FP
DRAWN	DESIGNED	CHECKED	APPROVED
AS NOTED		2025/03/21	
SCALE		DATE	
25-0709	0	S2	
PROJECT No.	REVISION	DRAWING	



1
M-01
KEY PLAN – MECHANICAL
SCALE: N.T.S.

PLUMBING FIXTURE SPECIFICATION

1. "T-1". FLOOR MOUNTED TOILET – VITREOUS CHINA – FOR FLUSHMETER – EXPOSED – BATTERY POWERED

AMERICAN STANDARD MADERA FLOWSE ELONGATED #3451.001.020 HET TOILET, 381 MM HIGH, VITREOUS CHINA WITH EVERCLEAN ANTIMICROBIAL SURFACE WHICH INHIBITS THE GROWTH OF STAIN AND ODOR CAUSING BACTERIA MOLD AND MILDEW, WHITE FINISH, FLOOR MOUNTED, SIPHON JET FLUSH ACTION, OPERATES IN THE RANGE OF 4.2 L TO 6 L (1.1 US GAL TO 1.6 US GAL) PER FLUSH, CONDENSATE CHANNEL, 305 MM X 254 MM (12" X 10") WATER SURFACE, SIPHON JET FLUSH ACTION, CONDENSATE CHANNEL, ELONGATED BOWL, 54 MM (2-1/8") FULLY GLAZED INTERNAL TRAPWAY, FLOOR OUTLET, BOLT CAPS, 38 MM (1-1/2") DIA. TOP SPUD. CENTOCO #00013550.001 TOILET SEAT, HEAVY DUTY, FOR ELONGATED BOWL, OPEN FRONT, SOLID PLASTIC, LESS COVER, STAINLESS STEEL CHECK HINGES, METAL FLAT WASHERS STAINLESS STEEL POSTS AND NUTS

MOEN COMMERCIAL 38MM BATTERY POWERED EXPOSED STYLE CLOSET FLUSH VALVE MODEL 8310DF16, BRASS CONSTRUCTION W/CHROME PLATED FINISH, 25MM IPS SUPPLY, 38MM TOP SPUD, ADJUSTABLE SENSOR EYES, BATTERY POWERED (4) STANDARD AA (INCLUDED), SELF-DIAGNOSTIC ELECTRONICS, PISTON FLUSHING MECHANISM, SELF-CLEANING FILTER SYSTEM, LOW BATTERY INDICATOR LIGHT, OPERATING PRESSURE 0.069 TO 0.17 MPA, 3.8 LPF UP TO 60 SECONDS/6 LPF AFTER 60 SECONDS, 24 HOUR SENTINEL FLUSH, MANUAL OVERRIDE BOTTOM. PROVIDE FLOOR FLANGE, (SAME MATERIAL AS THE CONNECTING PIPE DRAIN), WITH ALL BRASS BOLTS AND WITH RUBBER GASKET.

2. "L-1". WALL MOUNTED LAVATORY, INFRARED SENSOR BATTERY POWERED

AMERICAN STANDARD MURRO WITH EVERCLEAN #0955.001EC/0062.000EC BASIN, CENTER HOLE ONLY, 540 MM X 520 MM X 165 MM (21-1/4" X 20-1/2" X 6-1/2") HIGH, VITREOUS CHINA, FOR CARRIER WITH CONCEALED ARMS, REAR OVERFLOW, RECESSED SELF-DRAINING FAUCET LEDGE, ACRYLIC SHROUD (CONCEALED CONTROL BOX AND THERMOSTATIC MIXING VALVE).

FAUCET: MOEN MODEL CAB302 ONE PIECE, CAST BRASS CONSTRUCTION ABOVE-DECK WITH VARIOUS FINISHED IDENTIFIED BY SUFFIX. SINGLE MOUNT. VANDAL RESISTANT AERATOR. FLEXIBLE STAINLESS STEEL SUPPLY LINE. VANDAL RESISTANT BELOW-DECK BOX WITH INCLUDED MOUNTING HARDWARE.

BATTERY (4AA) WITH AC COMPATIBILITY. BATTERY LEVEL INDICATOR WITH LOW BATTERY WARNING LIGHT. BATTERY LIFE: UP TO 8 YEARS. IN-LINE FILTER INCLUDED.

1.9 L/MIN (0.5 GPM) VANDAL-RESISTANT MULTI-STREAM LAMINAR FLOW.

THIRD PARTY CERTIFIED TO MEET ASME A112.18.1/CSA B-125.1, AND ALL APPLICABLE REQUIREMENTS REFERENCED THEREIN INCLUDING NSF 61/9 & 372. ADA COMPLIANT.

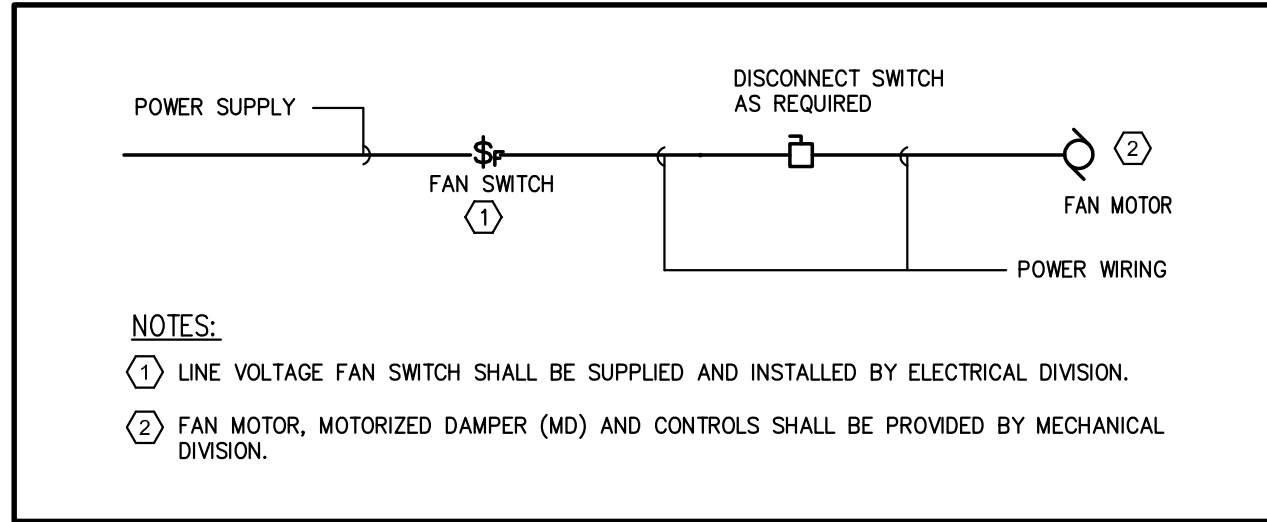
FAUCET SENSOR ACTIVATION DISTANCE SHALL BE SET TO 140MM; FAUCET OPERATION MODE: SENTINEL FLOW SHALL BE SET TO "OFF"; METERING MODE SHALL BE SET TO "OFF".

MIXING VALVE: ZURN MODEL ZW1070XL AQUA-GARD THERMOSTATIC MIXING VALVE.

THE THERMOSTATIC MIXING VALVE SHALL BE INSTALLED AT THE POINT OF USE TO ASSIST IN THE PREVENTION OF SCALDING. THE VALVE'S EXTREMELY RAPID RESPONSE RATE, MAKE IT MOST SUITABLE FOR INSTALLATION AT PLUMBING FIXTURES AND APPLIANCES FOR THE FINAL CONTROL OF WATER TEMPERATURE. THE ZW1070XL IS ASSE 1070 LISTED FOR FIXTURES, SINKS, LAVATORIES OR BATHTUBS AND WILL MIX HOT AND COLD WATER FROM THE DISTRIBUTION SYSTEM TO A FINAL SAFER TEMPERATURE OF 35-46°C (95-115°F). MULTIPLE END CONFIGURATIONS MAKE THIS VALVE SUITABLE FOR ALL RESIDENTIAL AND COMMERCIAL INSTALLATIONS.

STANDARDS COMPLIANCE: ASSE LISTED 1070. IAPMO LISTED. CSA CERTIFIED B125.70. MEETS THE REQUIREMENTS OF NSF/ANSI 61-9 (0.25% MAX.WEIGHTED AVERAGE LEAD CONTENT). PROVIDE TEE, ADAPTORS AND FLEX. COPPER TUBING TO SUIT INSTALLATION. PROVIDE TEMPERED WATER TO HOT SIDE OF FAUCET. MCGUIRE #155WC OFFSET OPEN GRID DRAIN, CAST BRASS ONE PIECE TOP, 17 GA. (1.5 MM) MM TUBULAR 32 MM (1-1/4") TAILPIECE.

MCGUIRE #155A OPEN GRID DRAIN, CAST BRASS ONE PIECE TOP, 17 GA. (1.5 MM) TUBULAR 32 MM (1-1/4") TAILPIECE. MCGUIRE #LFH170BV, FAUCET SUPPLIES, CHROME PLATED FINISH POLISHED BRASS, COMMERCIAL DUTY 1/4 TURN BALL VALVE ANGLE STOPS, 13 MM (1/2") I.D. INLET X 127 MM (5") HORIZONTAL EXTENSION TUBES, COMBINATION V.P. LOOSE KEY HANDLES, ESCUTCHEON AND FLEXIBLE COPPER RISERS. MCGUIRE #B872CB P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY, WITH SLIP NUT, 32 MM (1-1/4") SIZE, BOX FLANGE AND SEAMLESS TUBULAR WALL BEND, WATTS IWCA-111, BASIN CARRIER, CONCEALED ARMS, WALL FLANGES TO ATTACH TO BACKING PLATE SECURED IN WALL WITH LOCKING DEVICE AND LEVELLING SCREWS, HEAVY GAUGE STEEL UPRIGHTS WITH INTEGRAL WELDED FEET. FOR ONE UNIT: 102 MM (4") FINISHED METAL STUD WALL TO BACK OF PIPE SPACE.



2
M-01
TYPICAL DIAGRAM FOR LOCAL FAN SWITCH CONTROL DEVICES
SCALE: N.T.S.

FAN SCHEDULE											
UNIT No.	MAKE	MODEL NO.	LOCATION	SERVICE	FAN				WEIGHT (KG)	CONTROL	REMARK
					FLOW RATE (L/S)	ESP (PA)	FAN TYPE	MOTOR RPM	V/PH/HZ		
EF-1	GREENHECK	CSP-B110	WASHROOM	WASHROOM	45.3	0.5	CEILING MOUNTED	950	80W	115/1/60	5 LIGHTING SWITCH NOTE.1,2
NOTES: 1. MANUAL SWITCH, LIGHTING SWITCH SUPPLIED AND INSTALLED BY ELECTRICAL DIVISION. 2. C/W GRAVITY/BACKDRAFT DAMPER.											

GRILLE & DIFFUSER SCHEDULE					
REF. LETTER	TYPE	MAKE/MODEL	DAMPER	FINISH	REMARKS
A	RETURN AIR GRILLE	E.H. PRICE SERIES 600	N	SHALL BE APPROVED BY THE ARCHITECT	ALUMINIUM LOUVER FACE GRILLE

PLUMBING FIXTURE SCHEDULE						
TYPE	FIXTURE	D.H.W.	D.C.W.	VENT	SANITARY	NOTES
T-1	TOILET	–	25ø	38ø	75ø	FLOOR MOUNTED, FLUSH VALVE
L-1	LAVATORY	13ø	13ø	38ø	38ø	

- AIR FLOW TEST**

 - ALL EXISTING AIR FLOW RATE AND DUCT SIZE INDICATED ON THIS DRAWING BASED ON BASE BLDG. MECHANICAL SYSTEM DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY EXACT LAYOUTS AND SIZES ON SITE.
 - WITHIN WORKING AREA, PRIOR TO CONSTRUCTION, PERFORM AIR FLOW TEST OF ALL EXISTING HVAC SYSTEMS INCLUDING HVAC UNITS AND DUCT SYSTEMS, SUPPLY, RETURN AND EXHAUST AIR FLOW OF DUCT AND DIFFUSERS/GRILLES, OUTDOOR AIR FLOW, EXTERNAL STATIC PRESSURE OF UNITS. THE REPORT SHALL CONTAIN AIR FLOW AND EXTERNAL STATIC PRESSURE OF HVAC UNIT, ELECTRICAL POWER AND STARTER OF HVAC UNIT. THE REPORT SHALL ALSO CONTAIN AIR FLOW OF DIFFUSERS, GRILLES AND DUCT SYSTEMS. SUBMIT EXISTING AIR FLOW TEST REPORT AND EXISTING MECHANICAL DRAWINGS SHOWING AIR FLOW RATE, DUCT LAYOUT AND SIZE, DIFFUSER/GRILLE LAYOUT AND SIZE. INSPECT CONDITION OF BALANCING DAMPERS AND FIRE DAMPERS.
 - PERFORM POST CONSTRUCTION AIR FLOW TEST AND SUBMIT REPORT.
- DRAINAGE SYSTEM WORK NOTES:**

 - PRIOR TO AND AFTER CONSTRUCTION, PERFORM EXISTING BURIED DRAINAGE LINE CAMERA TEST AND SUBMIT VIDEO & WRITTEN REPORT.
 - PERFORM UNDERGROUND DRAINAGE LINE CLEANING.
 - EXAMINE AND REPLACE ALL EXISTING DAMAGED VENTS WITHIN THE PROJECT WORKING AREA. MODIFY THE EXISTING VENTING SYSTEM TO SUIT NEW PROPOSED LAYOUT AND AS PER O.B.C. REQUIREMENT.
 - WHEN UNDERGROUND FLOOR SANITARY LINE ROUGH-IN LAYOUT HAVE BEEN COMPLETE AND PRIOR TO POURING CONCRETE FLOOR, CONTRACTOR SHALL INFORM CONSULTANT FOR INSPECTION OF ROUGH-IN AND ELEVATION OF PIPE LAYOUT.
 - EXAMINE AND REPLACE ALL EXISTING ABOVE GROUND DAMAGED DCW & DHW LINES AND VALVES WITHIN THE PROJECT WORKING AREA.

- DUCT WORK CLEANING**
- CLEAN ENTIRE DUCTWORK SYSTEMS SERVING SCOPE AREAS INCLUDING ALL ASSOCIATED DUCTWORK, DIFFUSERS AND GRILLES SERVING OTHER ROOMS.

MECHANICAL DRAWING LIST	
DWG. NO.	DRAWING TITLE
M-01	LEGEND, DRAWING LIST, SCHEDULES & DETAILS – MECHANICAL
M-11	HVAC, PLUMBING & DRAINAGE LAYOUTS – MECHANICAL

HVAC LEGEND	
SYMBOL	DESCRIPTION
	DUCTWORK (DOUBLE LINE)
	DUCTWORK (SINGLE LINE)
	THERMOSTAT
	BALANCING DAMPER
	FIRE DAMPER
	MOTORIZED DAMPER
	SQUARE SUPPLY AIR DIFFUSER
	RETURN OR EXHAUST AIR GRILLE
	ROUND SUPPLY AIR DIFFUSER
	MANUAL SWITCH
	DOOR GRILLE
	DIFFUSER/GRILLE TYPE X – TYPE Y – SIZE (MM) Z – AIR VOLUME (L/S)

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RECIRCULATION (DHWRC)
	SANITARY VENT
	BURIED SANITARY DRAIN OR IN CEILING SPACE/FLOOR BELOW
	SUSPENDED SANITARY DRAIN
	BURIED STORM DRAIN OR IN CEILING SPACE/FLOOR BELOW
	SUSPENDED STORM DRAIN
	CLEANOUT PLUG
	FLOOR CLEANOUT
	VALVE SHUT-OFF
	BACKFLOW PREVENTOR
	FLOOR DRAIN
	HUB DRAIN
	ELBOW, TURNED DOWN AND TURNED UP
	CAPPED CONNECTION
	BRANCH – TOP CONNECTION
	BRANCH – BOTTOM CONNECTION
	PIPE CUT
	PIPE DOWN
	PIPE UP
	SANITARY ROUGH-IN

ABBREVIATIONS	
ABBREV.	DESCRIPTION
CTE	CONNECT TO EXISTING
RE	DENOTES EXISTING DEVICE(S) IN RELOCATED POSITION
R	DENOTES EXISTING DEVICE(S) TO BE RELOCATED
D	DENOTES EXISTING DEVICE(S) TO BE REMOVED
EX	DENOTES EXISTING DEVICE(S) TO REMAIN
N	DENOTES PROVIDE NEW DEVICE(S)
(1)	DENOTES DRAWING REFERENCE NOTES # 1
---X---X---X---	EXISTING SERVICES OR EQUIPMENTS TO BE REMOVED



20 SOUTH DUFFERIN ST HUNTSVILLE ONTARIO P1H 1V7

Bobcaygeon Public School Washroom Renovations RFT B25-03

30 Balaclava Street,
Bobcaygeon, ON,
K0M 1A0

TENDER and BUILDING PERMIT

FEBRUARY 2025

Seal



HL ENGINEERING LTD
7725 BIRCHMOUNT RD, UNIT 46, MARKHAM,
ON L3R 9X3 905-713-0003 www.hlengineering.ca

DATE: FEB. 2025
PROJECT NO: 25004A
SCALE: N.T.S.
DRAWN: RC
CHECKED: MY

Revisions

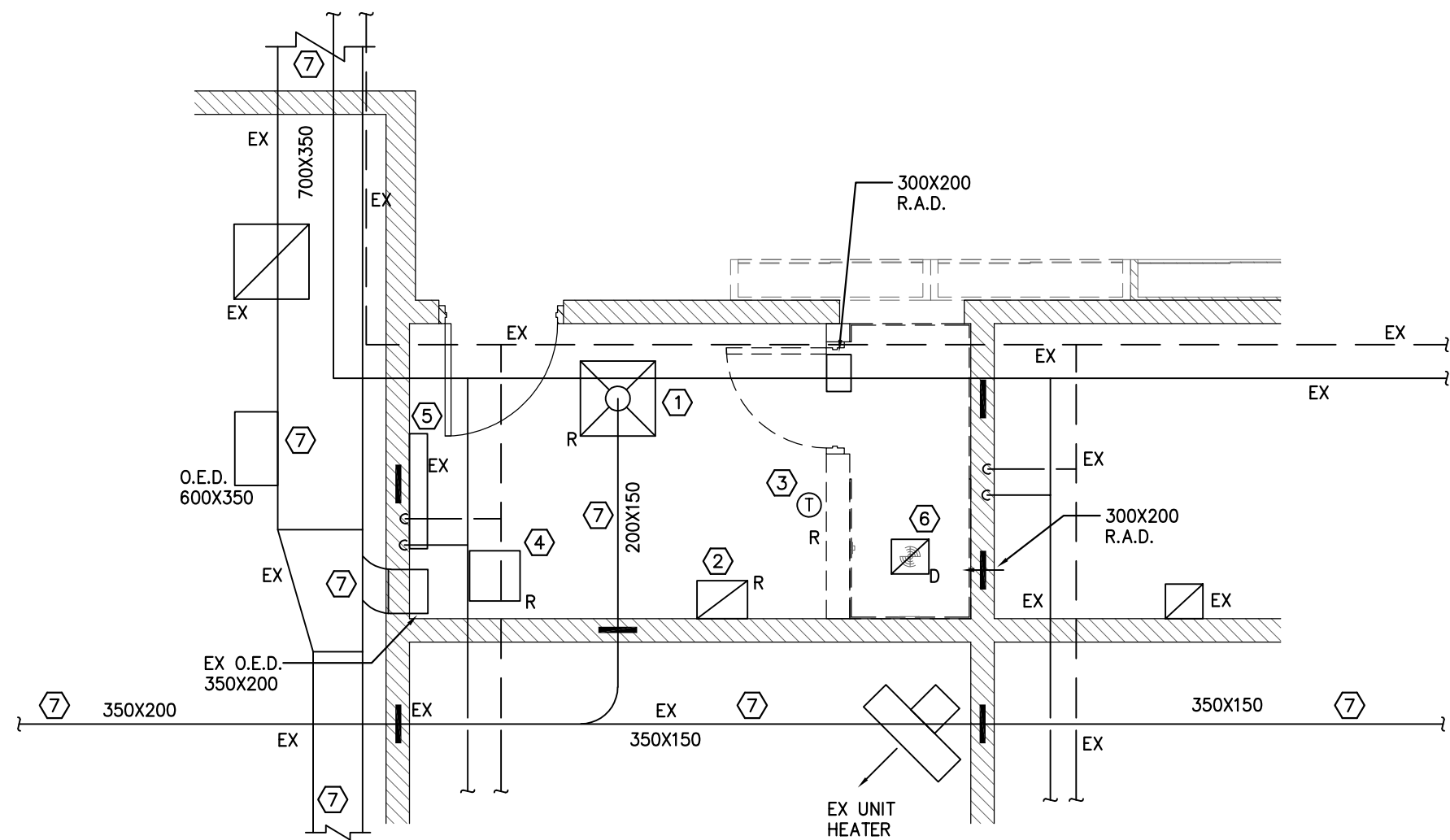
- ISSUED FOR REVIEW 2025-03-03
- ISSUED FOR TENDER 2025-03-21

Title

LEGEND, DRAWING LIST, DETAILS & SCHEDULES - MECHANICAL

Sheet

M-01



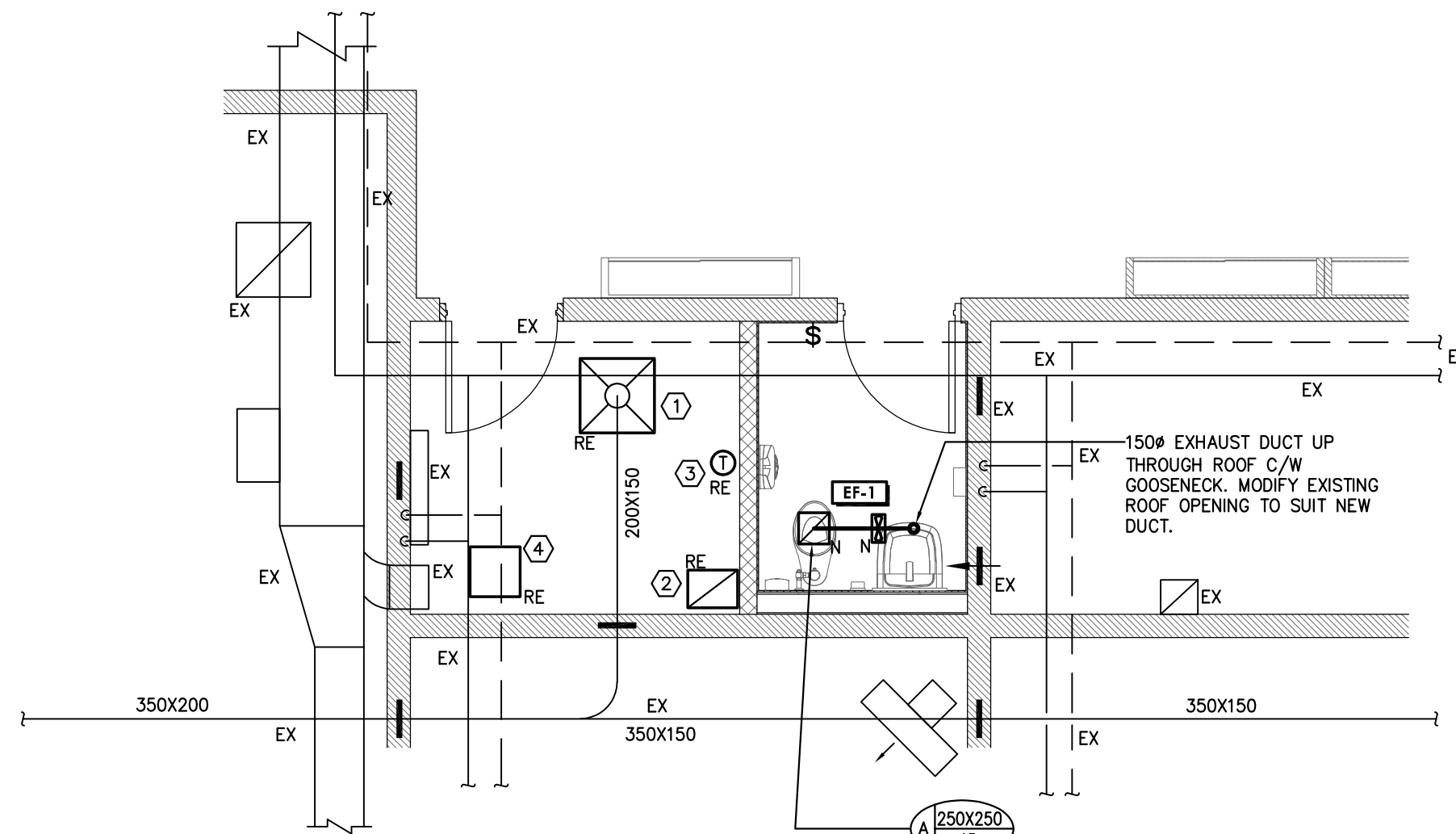
GENERAL NOTES:

1. ALL MECHANICAL SERVICE/EQUIPMENT SHOWN ON THIS DRAWING SHALL BE EXISTING UNLESS OTHERWISE NOTED.
2. ALL EXISTING MECHANICAL SERVICE/EQUIPMENT TO REMAIN UNLESS INDICATED OTHERWISE.
3. ALL EXISTING AIR FLOW RATE AND DUCT SIZE INDICATED ON THIS DRAWING BASED ON BASE BLDG. EXISTING MECHANICAL SYSTEM DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY EXACT LAYOUTS AND SIZES ON SITE.
4. CONTRACTOR TO EXAMINE AND VERIFY EXISTING MECHANICAL SYSTEM CONDITIONS AND LOCATIONS ON SITE.

DRAWING NOTES:

- ① EXISTING DIFFUSER TO BE RELOCATED.
- ② EXISTING GRILLE TO BE RELOCATED.
- ③ EXISTING THERMOSTAT TO BE RELOCATED.
- ④ EXISTING ACCESS DOOR TO BE REMOVED TEMPORARILY AND REINSTATED.
- ⑤ EXISTING HEATER TO REMAIN.
- ⑥ EXISTING FAN TO BE REMOVED, ASSOCIATED ROOF OPENING FOR DUCT TO REMAIN.
- ⑦ EXISTING DUCT TO REMAIN.

1 EXISTING HVAC LAYOUT – MECHANICAL
M-11
SCALE: 1:50



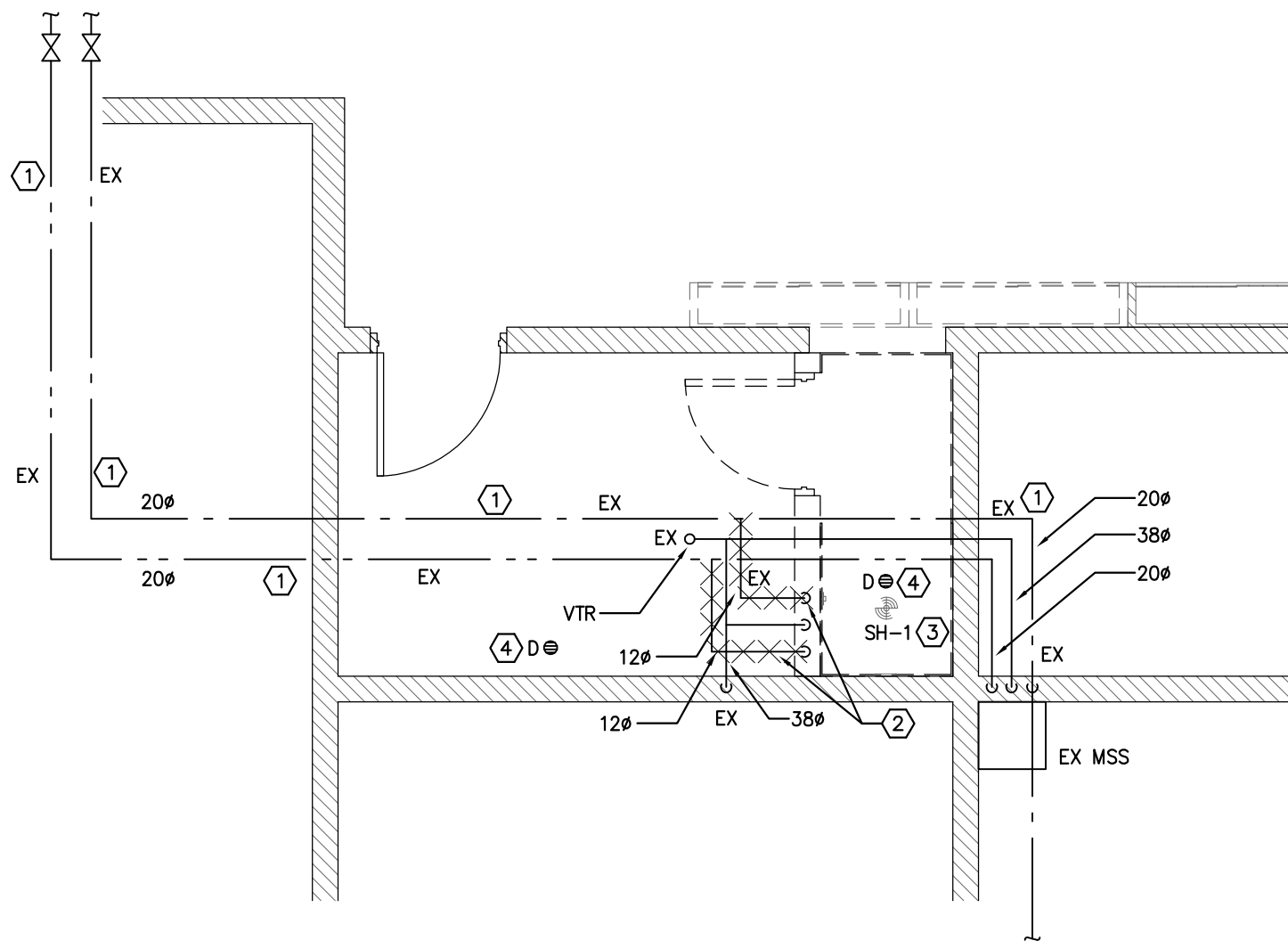
GENERAL NOTES:

1. ALL MECHANICAL SERVICE/EQUIPMENT SHOWN ON THIS DRAWING SHALL BE NEW UNLESS OTHERWISE NOTED.
2. TEMPERATURE SENSORS SHALL BE NOMINALLY 1200MM (48 IN.) ABOVE THE FINISHED FLOOR UNLESS INDICATED OTHERWISE.
3. DIFFUSER DUCT RUN-OUTS SHALL BE THE SAME SIZE AS THE DIFFUSER INLETS UNLESS INDICATED OTHERWISE.
4. RE-BALANCE AIR FLOW AS SHOWN ON DRAWING.
5. COORDINATE ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS OF GRILLES AND DIFFUSERS.
6. CONTRACTOR TO VERIFY EXISTING FIRE DAMPER LOCATIONS WITHIN SCOPE AREA. PROVIDE FIRE DAMPERS ON EXISTING DUCTS WHERE DUCTS PENETRATE FIRE SEPARATIONS WHEN REQUIRED.

DRAWING NOTES:

- ① RELOCATED DIFFUSER, MODIFY EXISTING S/A DUCT TO SUIT NEW LOCATION.
- ② RELOCATED GRILLE.
- ③ RELOCATED THERMOSTAT, MODIFY CONTROL WIRES TO SUIT NEW LOCATION.
- ④ REINSTALLED ACCESS DOOR.

2 PROPOSED HVAC LAYOUT – MECHANICAL
M-11
SCALE: 1:50



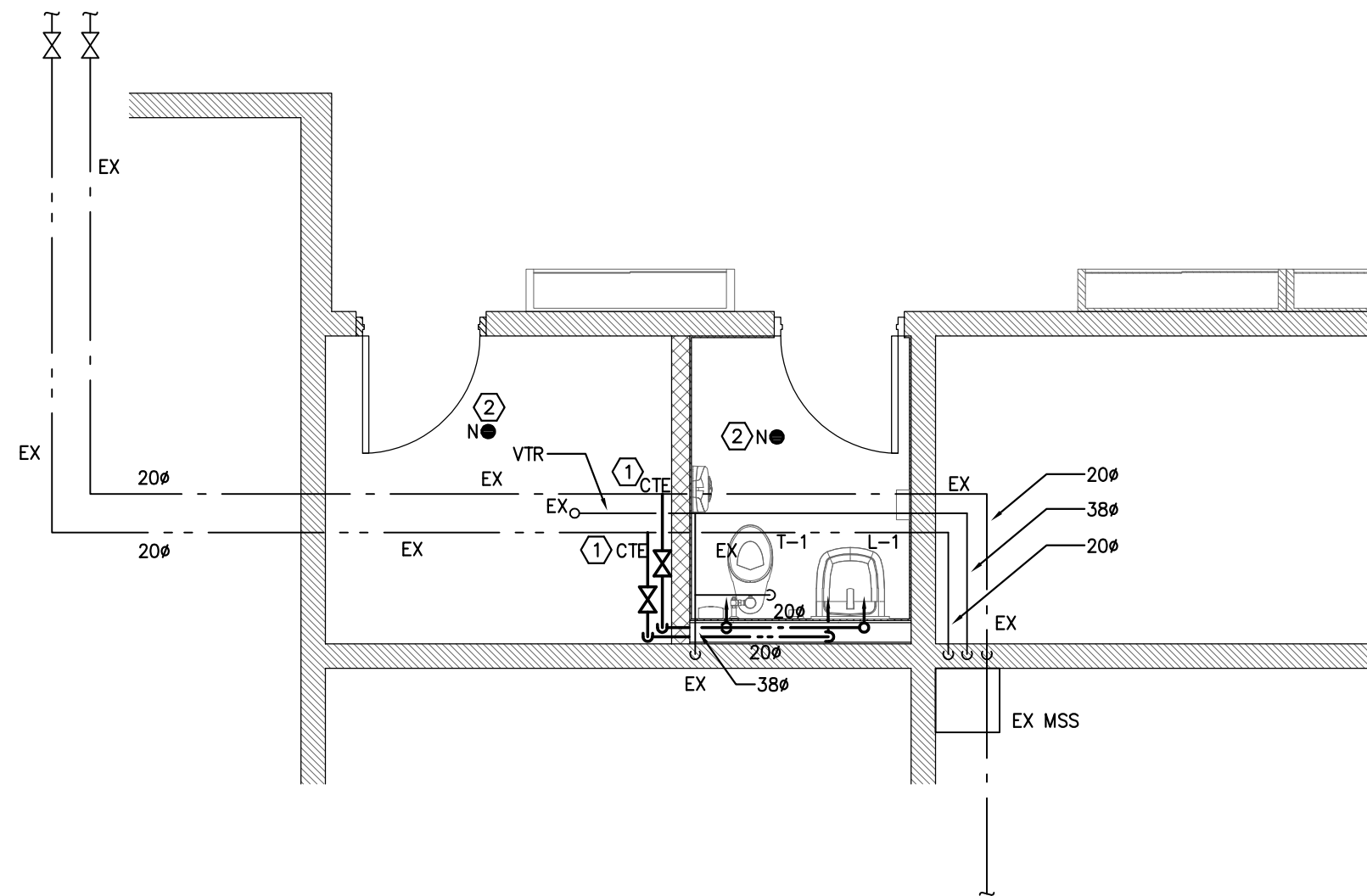
GENERAL NOTES:

1. ALL MECHANICAL SERVICE/EQUIPMENT SHOWN ON THIS DRAWING SHALL BE EXISTING UNLESS OTHERWISE NOTED.
2. ALL EXISTING MECHANICAL SERVICE/EQUIPMENT TO REMAIN UNLESS INDICATED OTHERWISE.
3. LAYOUT AND SIZE OF EXISTING PIPING SHOWN ON DRAWING ARE BASED ON BASE BUILDING DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL EXAMINE AND VERIFY EXISTING MECHANICAL SYSTEM CONDITIONS AND LOCATIONS, INVERTS ON SITE.
4. RELOCATE ALL EXISTING ACCESS PANELS WHERE AFFECTED BY THE WORK.
5. ALL REMOVED FLUSH VALVES AND WASHFOUNTAINS SHALL BE RETURNED TO OWNER.
6. CONTRACTOR SHALL VERIFY ON SITE EXACT LOCATION AND INVERT TO ENSURE THAT SAN. LINE MEETS SLOPE AND INVERT PRIOR TO CONSTRUCTION. SCAN SLAB TO VERIFY EXISTING SAN. PIPE UNDERGROUND CUT, PATCH AND REPAIR FLOOR SLAB TO MATCH EXISTING CONDITION.

DRAWING NOTES:

- ① EXISTING DCW & DHW LINES TO REMAIN.
- ② EXISTING DCW & DHW LINES TO BE REMOVED.
- ③ EXISTING SHOWER & ASSOCIATED DHW & DCW LINES TO BE REMOVED.
- ④ EXISTING SPRINKLER HEAD TO BE REMOVED.

3 EXISTING PLUMBING LAYOUT – MECHANICAL
1:50
SCALE: 1:100



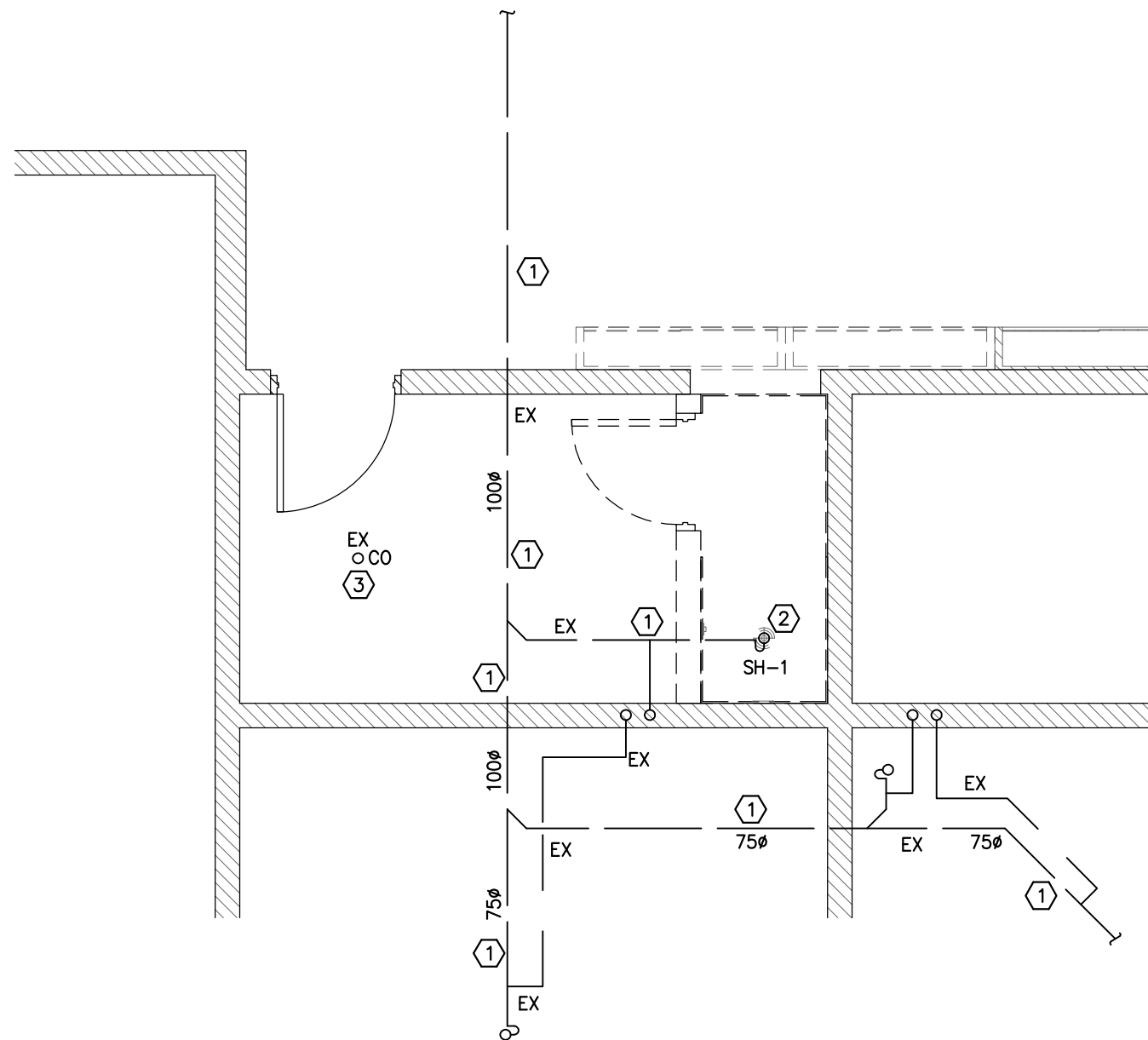
GENERAL NOTES:

1. ALL MECHANICAL SERVICE/EQUIPMENT SHOWN ON THIS DRAWING SHALL BE NEW UNLESS OTHERWISE NOTED.
2. ALL DOMESTIC COLD WATER AND DOMESTIC HOT WATER PIPES SHALL BE MINIMUM 20Ø UNLESS INDICATED OTHERWISE.
3. PROVIDE ISOLATING BALL VALVES ON MAIN AND/OR BRANCH LINES AND FOR ALL EQUIPMENT SERVED WITH HOT AND COLD WATER LINES. ALL VALVES SHALL BE SUITABLE FOR THE OPERATING PRESSURE OF THE SYSTEM IN WHICH THEY ARE INSTALLED.
4. PROVIDE INSULATION FOR ALL COLD & HOT WATER PIPING C/W PVC JACKET.
5. PROVIDE COMPLETE SANITARY VENT CONNECTION TO EXISTING VENT PIPES COMPLY WITH OBC REQUIREMENT.
6. ALL SANITARY DRAINAGE BELOW GRADE SHALL BE MINIMUM 75Ø UNLESS INDICATED OTHERWISE.
7. ALL NEW FLOOR DRAINS SHALL BE COMPLETE WITH TRAPS AND TRAP PRIMERS. CONTRACTOR TO VERIFY EXISTING TRAP PRIMER WHEN FLOOR DRAIN IS REPLACED. PROVIDE NEW TRAP PRIMER WHEN REQUIRED.

DRAWING NOTES:

- ① CONNECT NEW 20Ø DCW & DHW LINES TO EXISTING. CONTRACTOR TO VERIFY EXACT LOCATION.
- ② PROVIDE NEW SPRINKLER HEAD, MODIFY EXISTING SPRINKLER PIPE TO SUIT NEW LOCATION. K FACTOR AND TEMPERATURE RATING SHALL MATCH EXISTING.

4 PROPOSED PLUMBING LAYOUT – MECHANICAL
M-11
SCALE: 1:50



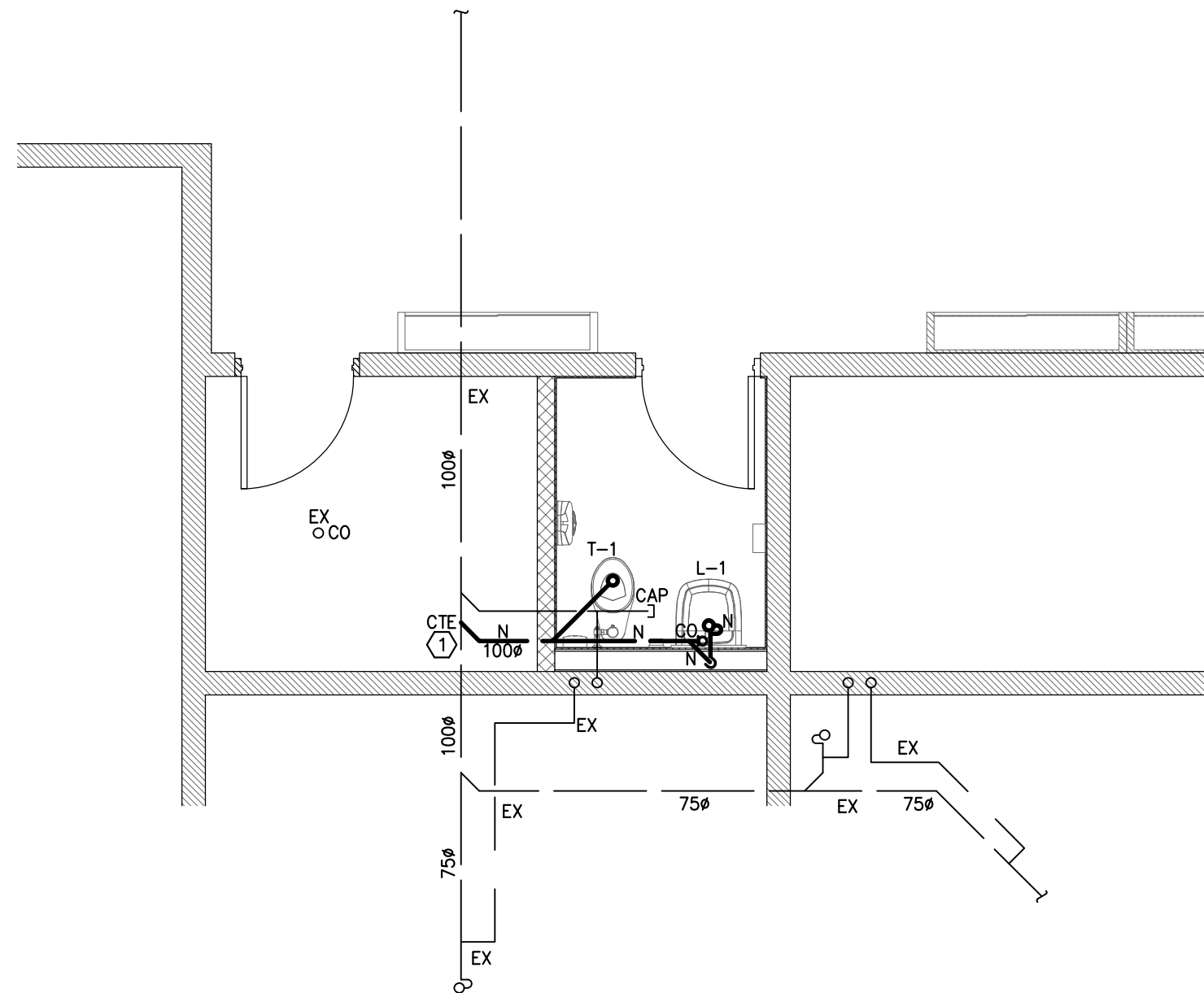
GENERAL NOTES:

1. ALL MECHANICAL SERVICE/EQUIPMENT SHOWN ON THIS DRAWING SHALL BE EXISTING UNLESS OTHERWISE NOTED.
2. ALL EXISTING MECHANICAL SERVICE/EQUIPMENT TO REMAIN UNLESS INDICATED OTHERWISE.
3. LAYOUT AND SIZE OF EXISTING PIPING SHOWN ON DRAWING ARE BASED ON BASE BUILDING DRAWING FOR REFERENCE ONLY. CONTRACTOR SHALL EXAMINE AND VERIFY EXISTING MECHANICAL SYSTEM CONDITIONS AND LOCATIONS, INVERTS ON SITE.
4. RELOCATE ALL EXISTING ACCESS PANELS WHERE AFFECTED BY THE WORK.
5. ALL REMOVED FLUSH VALVES AND WASHFOUNTAINS SHALL BE RETURNED TO OWNER.
6. CONTRACTOR SHALL VERIFY ON SITE EXACT LOCATION AND INVERT TO ENSURE THAT SAN. LINE MEETS SLOPE AND INVERT PRIOR TO CONSTRUCTION. SCAN SLAB TO VERIFY EXISTING SAN. PIPE UNDERGROUND CUT, PATCH AND REPAIR FLOOR SLAB TO MATCH EXISTING CONDITION.

DRAWING NOTES:

- ① EXISTING SAN. LINE TO REMAIN.
- ② EXISTING FLOOR DRAIN TO BE REMOVED, CAP SAN. PIPE UNDER SLAB.
- ③ EXISTING CLEAN OUT TO REMAIN.

5 EXISTING DRAINAGE LAYOUT – MECHANICAL
M-11
SCALE: 1:50



GENERAL NOTES:

1. ALL MECHANICAL SERVICE/EQUIPMENT SHOWN ON THIS DRAWING SHALL BE NEW UNLESS OTHERWISE NOTED.
2. ALL DOMESTIC COLD WATER AND DOMESTIC HOT WATER PIPES SHALL BE MINIMUM 20Ø UNLESS INDICATED OTHERWISE.
3. PROVIDE ISOLATING BALL VALVES ON MAIN AND/OR BRANCH LINES AND FOR ALL EQUIPMENT SERVED WITH HOT AND COLD WATER LINES. ALL VALVES SHALL BE SUITABLE FOR THE OPERATING PRESSURE OF THE SYSTEM IN WHICH THEY ARE INSTALLED.
4. PROVIDE INSULATION FOR ALL COLD & HOT WATER PIPING C/W PVC JACKET.
5. PROVIDE COMPLETE SANITARY VENT CONNECTION TO EXISTING VENT PIPES COMPLY WITH OBC REQUIREMENT.
6. ALL SANITARY DRAINAGE BELOW GRADE SHALL BE MINIMUM 75Ø UNLESS INDICATED OTHERWISE.
7. ALL NEW FLOOR DRAINS SHALL BE COMPLETE WITH TRAPS AND TRAP PRIMERS. CONTRACTOR TO VERIFY EXISTING TRAP PRIMER WHEN FLOOR DRAIN IS REPLACED. PROVIDE NEW TRAP PRIMER WHEN REQUIRED.

DRAWING NOTES:

- ① CONNECT NEW 100Ø SAN TO EXISTING, CONTRACTOR TO VERIFY EXACT LOCATION AND INVERT.

6 PROPOSED DRAINAGE LAYOUT – MECHANICAL
M-11
SCALE: 1:50

Bobcaygeon Public School Washroom Renovations RFT B25-03

30 Balaclava Street,
Bobcaygeon, ON,
K0M 1A0

TENDER and BUILDING PERMIT

FEBRUARY 2025

Seal



HL ENGINEERING LTD
7725 BIRCHMOUNT RD, UNIT 46, MARKHAM,
ON L3R 9X3 905-713-0003 www.hlengineering.ca

DATE: FEB. 2025
PROJECT NO: 25004A
SCALE: 1:50
DRAWN: RC
CHECKED: MY

Revisions

1. ISSUED FOR REVIEW 2025-03-03
2. ISSUED FOR TENDER 2025-03-21

HVAC, PLUMBING & DRAINAGE LAYOUTS - MECHANICAL

Title

Sheet

M-11

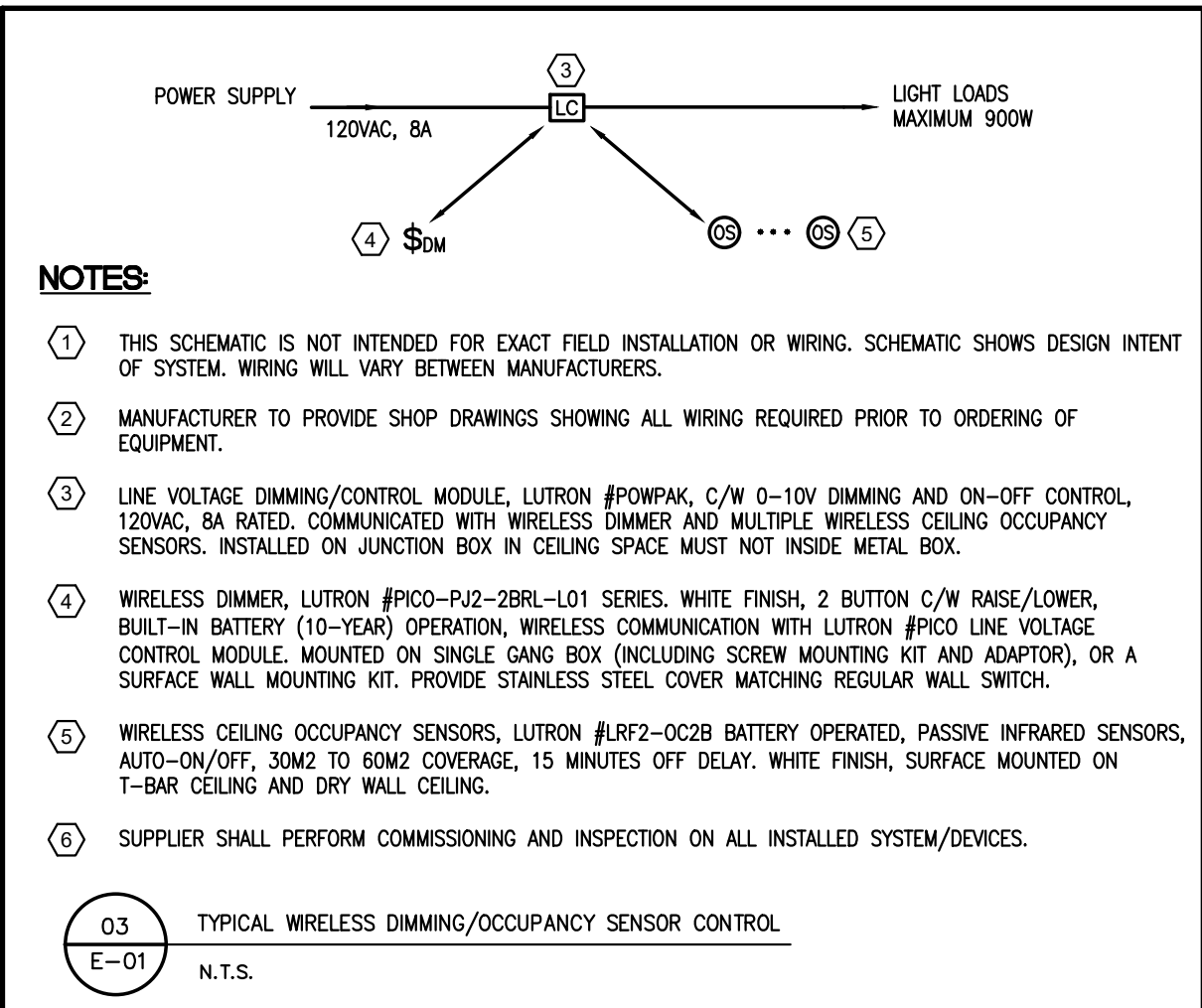
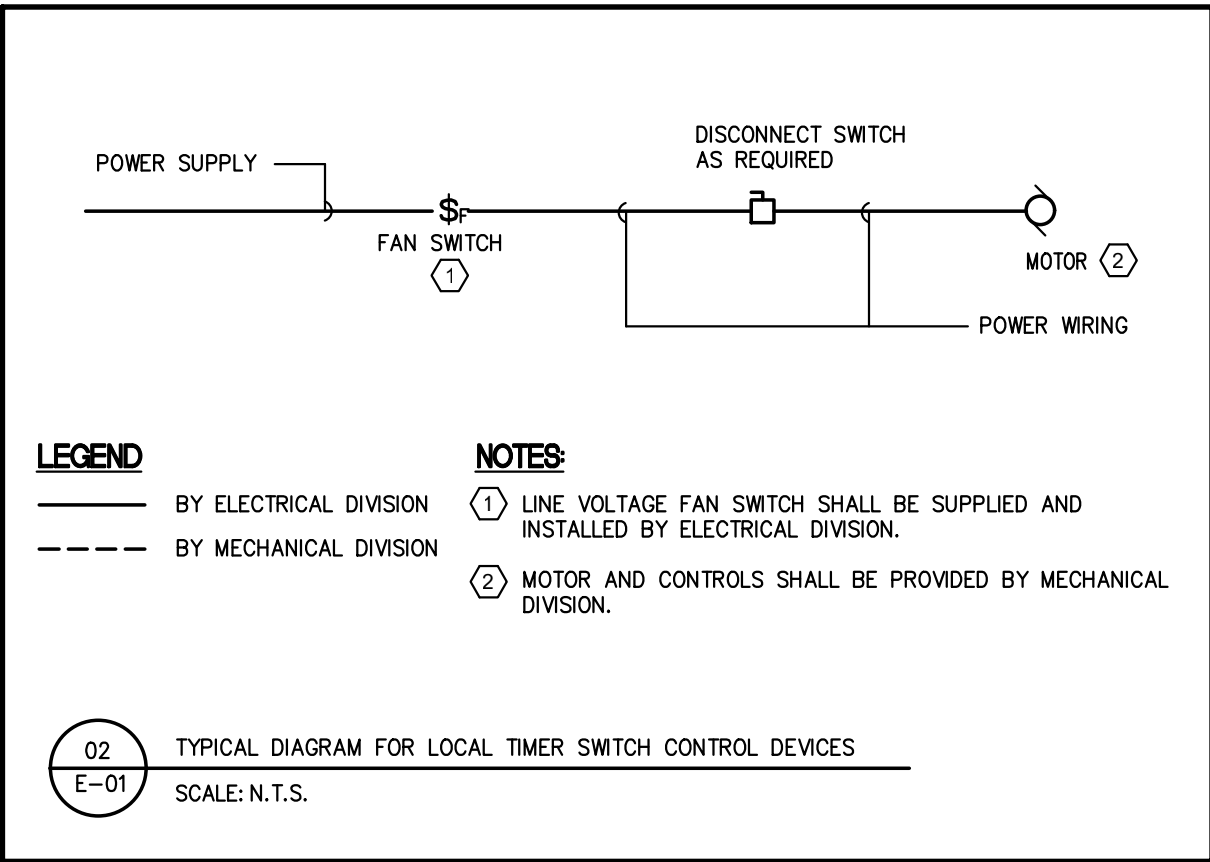
LIGHTING SYSTEM	
SYMBOL	DESCRIPTION
	FLUORESCENT OR LED LUMINAIRES, RECESSED IN CEILING, LETTER DENOTES FIXTURE TYPE PER SCHEDULE
	FLUORESCENT OR LED LUMINAIRES, SURFACE MOUNTED ON CEILING, LETTER DENOTES FIXTURE TYPE PER SCHEDULE
	FLUORESCENT OR LED LUMINAIRES, WALL MOUNTED, LETTER DENOTES FIXTURE TYPE PER SCHEDULE
	FLUORESCENT OR LED STRIP LUMINAIRES, LETTER DENOTES FIXTURE TYPE PER SCHEDULE
	120V SINGLE POLE TOGGLE SWITCHES, RESPECTIVELY WITH ONE, TWO, OR THREE GANG COVER PLATE, AMPERAGE RATING TO MATCH CIRCUIT BREAKER
	EXHAUST FAN SWITCH (SUPPLIED AND INSTALLED BY DIV. 16)
	CEILING MOUNTED OCCUPANCY SENSOR FOR LIGHTING CONTROL
	WALL MOUNTED OCCUPANCY SENSOR SWITCH FOR LIGHT
	DIMMER SWITCH
	EMERGENCY LIGHTING REMOTE HEADS, CEILING OR WALL MOUNTED, WITH DOUBLE OR SINGLE HEADS RESPECTIVELY
	EMERGENCY LIGHTING BATTERY UNIT
	EMERGENCY LIGHTING BATTERY UNIT C/W INTEGRAL HEADS
	EXIT SIGNS, SINGLE FACE OR DOUBLE FACES RESPECTIVELY, WITH DIRECTIONAL ARROWS AS SHOWN, CEILING MOUNTED
	EXIT SIGN, SINGLE FACE WITH DIRECTIONAL ARROWS AS SHOWN, WALL MOUNTED

POWER SYSTEM	
	DESCRIPTION
	WALL MOUNTED DUPLEX RECEPTACLE, U-GROUND, CSA 5-15R TYPE (15A, 120V) UNLESS OTHERWISE NOTED
	15A, 125V DUPLEX GROUND FAULT INTERRUPTER RECEPTACLE (CSA 5-15R)
	RECEPTACLES AS ABOVE RESPECTIVELY, BUT MOUNTED AT 8" ABOVE COUNTER TOP, OR 42" AFF, OR AS NOTED
	20A, 125V DUPLEX RECEPTACLE (CSA 5-20R)
	20A, 125V DUPLEX GROUND FAULT INTERRUPTER RECEPTACLE, MOUNTED 150mm ABOVE COUNTER (CSA 5-20R)
	DIRECT CONNECTION TO EQUIPMENT AS NOTED.
	DIRECT CONNECTION C/W DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	UNFUSED DISCONNECT SWITCH
	STARTER (SUPPLIED BY DIV. 15 & WIRED BY DIV. 16)
	SURFACE MOUNTED PANEL.
	HAND DRYER, SUPPLIED BY OTHERS AND INSTALLED BY ELECTRICAL CONTRACTOR, 1,000W, 120V 1ø, MOUNTING HEIGHT: 1,100mm AFF.
	CLOCK

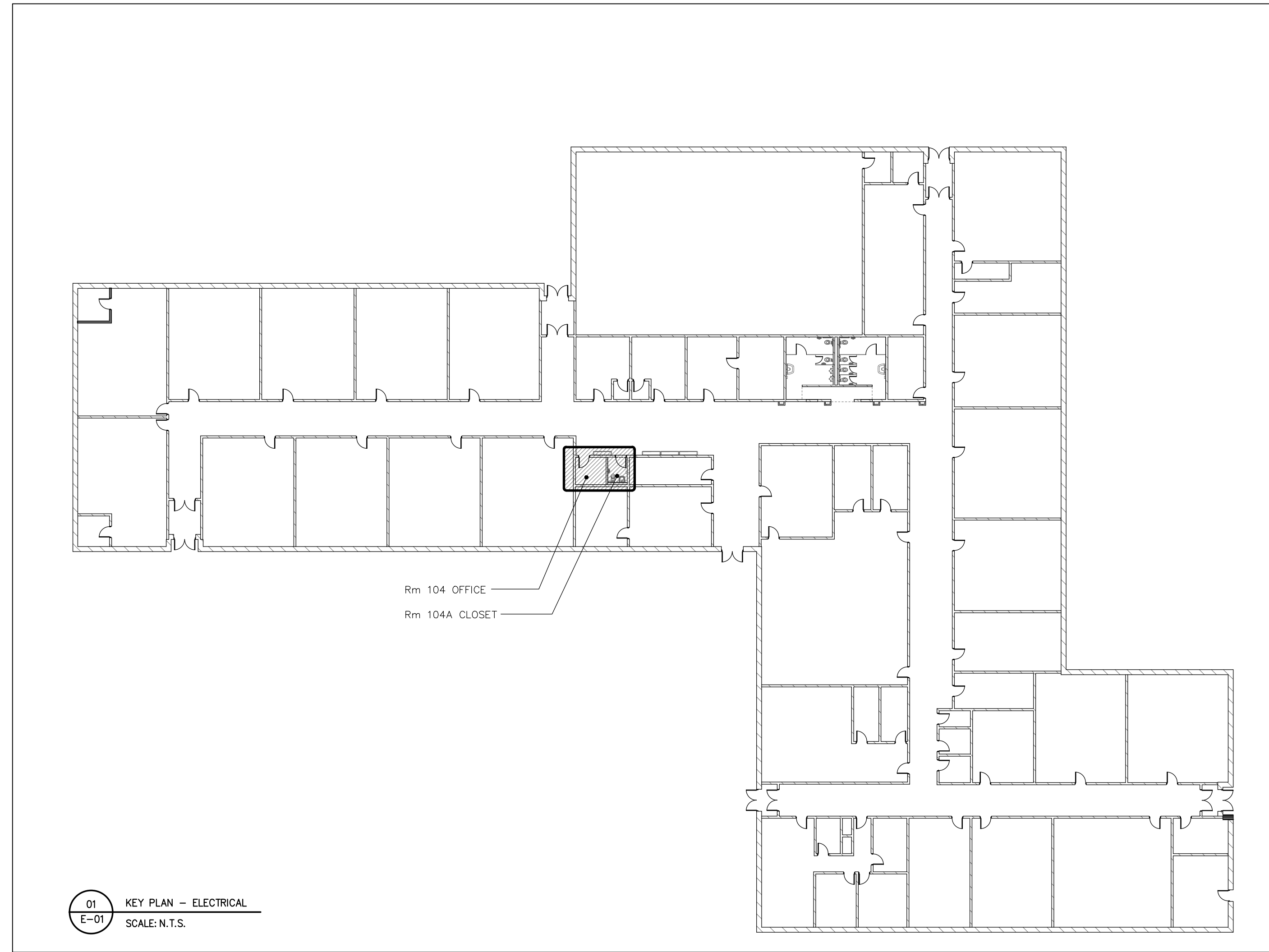
FIRE ALARM SYSTEM	
SYMBOL	DESCRIPTION
	FIRE ALARM SMOKE DETECTOR, CEILING OR WALL MOUNTED
	FIRE ALARM HEAT DETECTOR, COMBINATION OF FIXED TEMPERATURE 57°C (135°F) AND RATE-OF-RISE 6°C/MIN TYPE, CEILING OR WALL MOUNTED
	FIRE ALARM HORN C/W STROBE LIGHT
	FIRE ALARM STROBE

COMMUNICATION SYSTEM	
SYMBOL	DESCRIPTION
	CEILING OR WALL RECESSED MOUNTED SINGLE GANG BOX FOR P.A. SPEAKER. "S" DENOTES SURFACE BOX FOR PENDENT SPEAKER.
	DATA OUTLET, WALL MOUNTED AT A STANDARD HEIGHT UNLESS NOTED OTHERWISE
	TELEPHONE OUTLET, WALL MOUNTED AT A STANDARD HEIGHT UNLESS NOTED OTHERWISE
	COMBINATION OF VOICE/DATA OUTLET, WALL MOUNTED AT A STANDARD HEIGHT UNLESS NOTED OTHERWISE
	AS ABOVE BUT MOUNTED AT A HEIGHT OF XXXmm ("X") AFF OR AS NOTED ON DRAWING

ABBREVIATIONS	
ABBREV.	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
GFI	GROUND FAULT INTERRUPTER
NIC	NOT IN CONTRACT
WP	WEATHER PROOF
WG	(DEVICE C/W) WIRE GUARD
F/A	FIRE ALARM
HD	HAND DRYER
W	WALL MOUNTED
x 2	DENOTES PROVIDE TWO OF THE SAME DEVICE
LP1-1	AS APPLIED TO CIRCUITING, DENOTES "PANEL 'LP-1', CIRCUIT # 1"
LP	LIGHTING PANEL
PP	POWER PANEL
DP	DISTRIBUTION PANELBOARD
EX	DENOTES EXISTING DEVICE(S) TO REMAIN
R	DENOTES EXISTING DEVICE(S) TO BE RELOCATED
D	DENOTES EXISTING DEVICE(S) TO BE REMOVED
RN	DENOTES EXISTING DEVICE(S) TO BE REMOVED AND REPLACED WITH NEW
RR	DENOTES EXISTING DEVICE(S) TO BE REMOVED AND RE-INSTALLED IN SAME LOCATION
RE	DENOTES EXISTING DEVICE(S) IN RELOCATED POSITION
N	DENOTES PROVIDE NEW DEVICE(S)
(N-1)	(NOTE: PROVIDE NEW DEVICE(S) IF NONE OF THE ABOVE ABBREVIATIONS ARE SHOWN WITH SYMBOL ON DWGS)
(2)	DENOTES DRAWING REFERENCE NOTES # 2
(1 E02)	DENOTES REFER TO DETAIL #1 ON DRAWING #E-02.



LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	LAMP	BALLAST	REMARKS
L1	1' x 4' CEILING SURFACE MOUNTED LED PANEL, ALUMINUM FRAME AND PMMA LENS, C/W DRYWALL SURFACE MOUNTING KIT, WHITE FINISH. APPLICATION: WASHROOM	28W, LED LAMP, 4000K 3500 LM	120V ELECTRONIC LED 0-10V DIMMING DRIVER	RAB DESIGN #CPL14-LED30 SERIES OR APPROVED EQUAL
L2	2' x 2' CEILING SURFACE MOUNTED LED PANEL, ALUMINUM FRAME AND PMMA LENS, C/W DRYWALL SURFACE MOUNTING KIT, WHITE FINISH. APPLICATION: WASHROOM	30W, LED LAMP, 4000K 3750 LM	120V ELECTRONIC LED 0-10V DIMMING DRIVER	RAB DESIGN #CPL22-LED30 SERIES OR APPROVED EQUAL
E2	EMERGENCY REMOTE LIGHT, C/W ONE(1) OR TWO(2) 6W LED HEADS, CEILING OR WALL SURFACE MOUNTED, 12VDC, WHITE FINISH.	2 X 6W LED		EMERGI-LITE #EF40 SERIES OR APPROVED EQUAL.
E3	EMERGENCY LIGHTING BATTERY UNIT, 1/2HR BATTERY, WALL MOUNTED, C/W ONE(1) OR TWO(2) 6W LED HEADS, 12VDC/120VAC, WHITE FINISH.	2 X 6W LED		EMERGI-LITE #ESL SERIES OR APPROVED EQUAL.



LIGHTING CONTROL RELAY/MODULE

1. CONTRACTOR SHALL MARK ON AS-BUILT DRAWINGS OF ALL LIGHTING CONTROL RELAYS/MODULES LOCATION, IN T-BAR OR DRY WALL CEILING SPACES, UNDER OPENING CEILINGS, AND/OR ON WALLS.

DRAWING LIST	
DWG. NO.	DRAWING TITLE
E-01	LEGEND, LUMINAIRE SCHEDULE AND KEY PLAN - ELECTRICAL
E-02	ELECTRICAL LAYOUTS



20 SOUTH DUFFERIN ST HUNTSVILLE ONTARIO P1H 1V7

Bobcaygeon Public School Washroom Renovations RFT B25-03

30 Balaclava Street,
Bobcaygeon, ON,
K0M 1A0

TENDER and BUILDING PERMIT

FEBRUARY 2025

Seal



HL ENGINEERING LTD
7725 BIRCHMOUNT RD, UNIT 46, MARKHAM,
ON L3R 9X3 905-713-0003 www.hlengineering.ca

DATE: FEB. 2025
PROJECT NO: 25004A
SCALE: N.T.S.
DRAWN: MC
CHECKED: FRL

Revisions
1. ISSUED FOR REVIEW 2025-03-03
2. ISSUED FOR TENDER 2025-03-21

LEGEND, LUMINAIRE SCHEDULE AND KEY PLAN - ELECTRICAL

Sheet

E-01

**Bobcaygeon Public School
Washroom
Renovations
RFT B25-03**

30 Balaclava Street,
Bobcaygeon, ON,
K0M 1A0

**TENDER and
BUILDING PERMIT**

FEBRUARY 2025

Seal



HL ENGINEERING LTD
7725 BIRCHMOUNT RD, UNIT 46, MARKHAM,
ON L3R 9X3 905-713-0003 www.hlengineering.ca

DATE: FEB. 2025
PROJECT NO: 25004A
SCALE: N.T.S.
DRAWN: MC
CHECKED: FRL

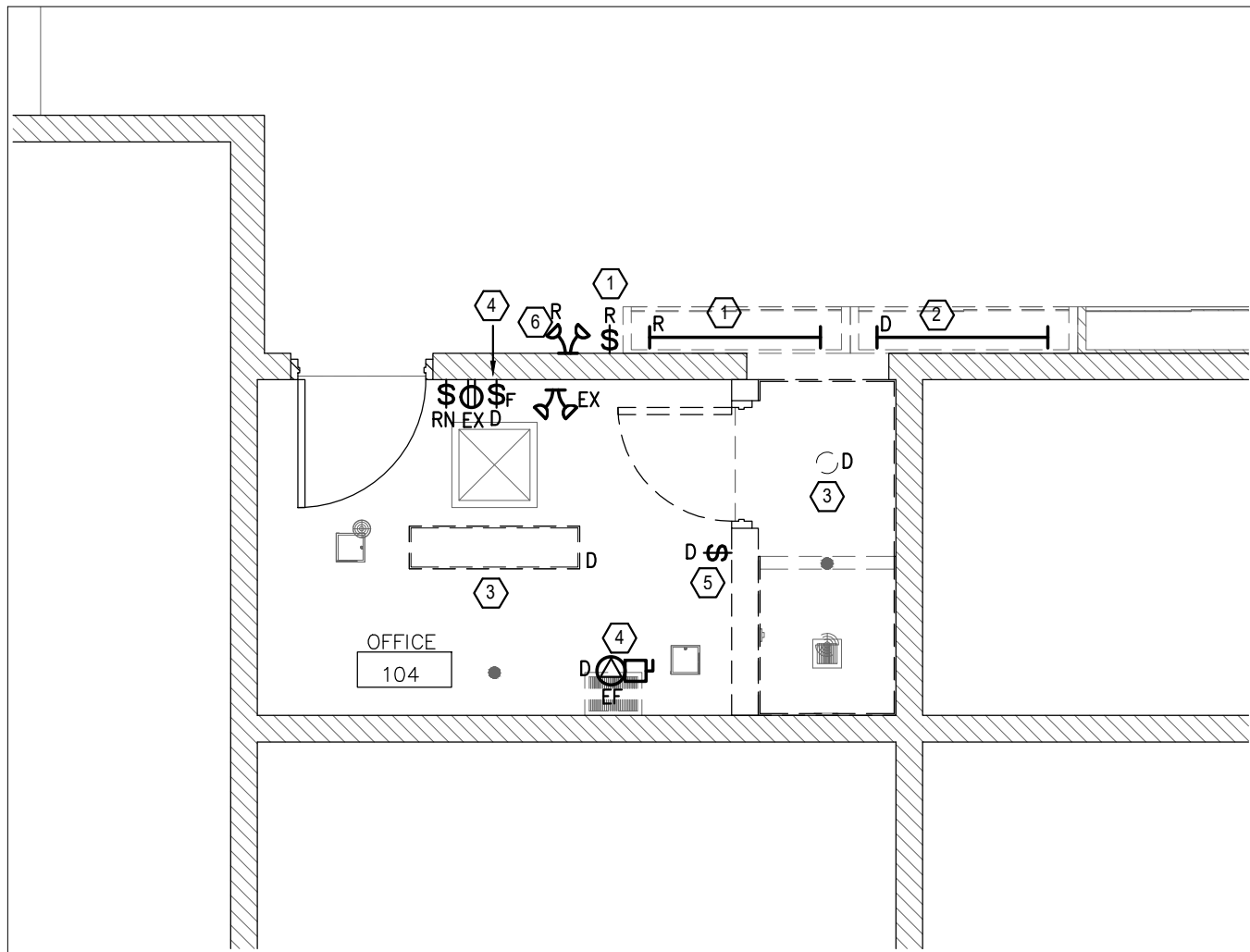
Revisions
1. ISSUED FOR REVIEW 2025-03-03
2. ISSUED FOR TENDER 2025-03-21

Title

**ELECTRICAL
LAYOUTS**

Sheet

E-02



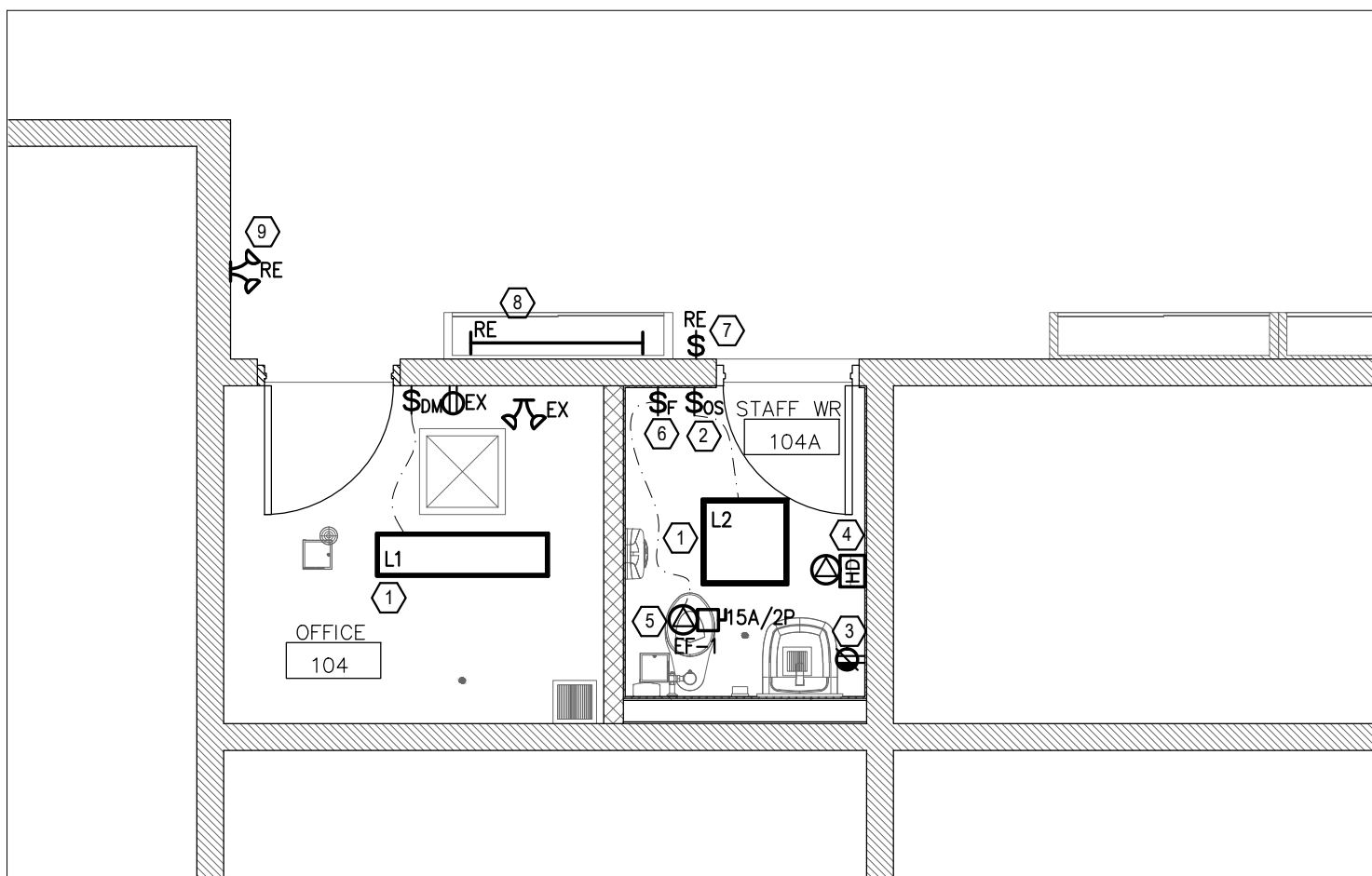
01
E-02
EXISTING ELECTRICAL LAYOUT
SCALE: 1:50

GENERAL NOTES:

1. UNLESS NOTED OTHERWISE, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE EXISTING TO BE REMAIN.
2. REGARDLESS SHOWN OR NOT, REMOVE (OR RELOCATE AS REQUIRED) ALL EXISTING ELECTRICAL DEVICES/EQUIPMENT C/W WIRES/CONDUITS AND BOXES AFFECTED BY DEMOLITION OF EXISTING PARTITIONS & MILLWORK.
3. REMOVAL SCOPE SHALL INCLUDE REMOVAL OF ALL UNUSED CIRCUITS BACK TO POWER PANEL, INCLUDING WIRES, CONDUITS AND JUNCTION BOXES, MODIFY PANEL DIRECTORY.
4. PROVIDE COVER PLATES FOR ALL HOLES TO BE LEFT EXPOSED AFTER THE REMOVAL/RELOCATION OF DEVICES.(CLOCK, LIGHT SWITCH, PA, OUTLET BOXES, ETC.)

NOTES:

- ① EXISTING DISPLAY BOX LIGHTS AND SWITCH TO BE RELOCATED.
- ② EXISTING DISPLAY BOX LIGHTS TO BE REMOVED.
- ③ EXISTING LIGHTS TO BE REMOVED.
- ④ EXISTING EXHAUST FAN AND FAN SWITCH TO BE REMOVED.
- ⑤ EXISTING LIGHT SWITCH TO BE REMOVED.
- ⑥ EXISTING EMERGENCY REMOTE HEADS TO BE RELOCATED.



02
E-02
PROPOSED ELECTRICAL LAYOUT
SCALE: 1:50

GENERAL NOTES:

1. UNLESS OTHERWISE NOTED, ALL ELECTRICAL DEVICES/EQUIPMENT SHOWN ARE NEW.
2. UNLESS OTHERWISE NOTED, ALL NEW WIRES/CONDUITS, OUTLET BOXES SHALL BE INSTALLED CONCEALED IN CEILING SPACE OR PARTITIONS, SURFACE INSTALLATION IS NOT ACCEPTABLE.
3. CONFIRM ALL EXACT MECHANICAL EQUIPMENTS LOCATION ON MECHANICAL DRAWINGS PRIOR TO ROUGH-IN.
4. ALL NEW SWITCHES, RECEPTACLES AND OUTLETS LOCATION AND MOUNTING HEIGHT SHALL BE COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.

NOTES:

- ① PROVIDE NEW LIGHTS 'L1' & 'L2', ALL NEW LIGHTS SHALL BE CONNECT TO EXISTING LIGHTING CIRCUITS IN THIS AREA AND CONTROLLED BY LOCAL SWITCH OR OCCUPANCY SENSOR SWITCH IN THAT ROOM/SPACE.
- ② PROVIDE NEW OCCUPANCY SENSOR SWITCHES. ALL NORMAL LIGHTS IN WASHROOM SHALL BE CONTROLLED BY WALL OCCUPANCY SENSORS IN THAT ROOM.
- ③ PROVIDE NEW GFI RECEPTACLE, FED FROM EXISTING 120/208V POWER PANEL NEARBY. PROVIDE ONE (1) NEW 15A/1P BREAKER TO MATCH EXISTING IN EXISTING PANEL FOR RECEPTACLE CIRCUIT. CONFIRM EXACT LOCATION AND MOUNTING HEIGHT ON SITE.
- ④ PROVIDE POWER CONNECTION FOR NEW HAND DRYER, NEW HAND DRYER SHALL BE FED FROM EXISTING 120/208V POWER PANEL NEARBY. PROVIDE ONE(1) NEW 15A/1P GFI BREAKER FOR NEW HAND DRYER. RUN DEDICATE FEEDER #2#12+GND-16mmc FROM NEW GFI BREAKER TO NEW HAND DRYER. CONFIRM SPECIFICATION, EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURE DRAWINGS ON SITE PRIOR TO ROUGH-IN.
- ⑤ PROVIDE POWER SUPPLY FOR NEW EXHAUST FAN, CONNECT TO EXISTING EXHAUST FAN CIRCUIT IN THIS AREA.
- ⑥ PROVIDE NEW EXHAUST FAN SWITCH FOR NEW EF-1.
- ⑦ RELOCATE EXISTING DISPLAY BOX LIGHT SWITCH TO NEW LOCATION AS SHOWN, EXTEND WIRES/CABLES IN CONDUITS TO EXISTING SWITCH LOCATION.
- ⑧ RELOCATE EXISTING DISPLAY BOX LIGHT TO NEW LOCATION AS SHOWN, EXTEND WIRES/CABLES IN CONDUITS TO EXISTING DISPLAY LIGHTING CIRCUITS.
- ⑨ RELOCATE EXISTING EMERGENCY REMOTE HEADS TO NEW LOCATION AS SHOWN, EXTEND WIRES/CABLES IN CONDUITS TO EXISTING EMERGENCY REMOTE HEADS CIRCUITS.