

**DRAWING LIST**

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S2-1 GENERAL NOTES AND TYPICAL DETAILS FOR PHASE 1  
S2-2 CONCRETE STAIR FRAMING AND SECTIONS



# WATERLOO REGION DISTRICT SCHOOL BOARD

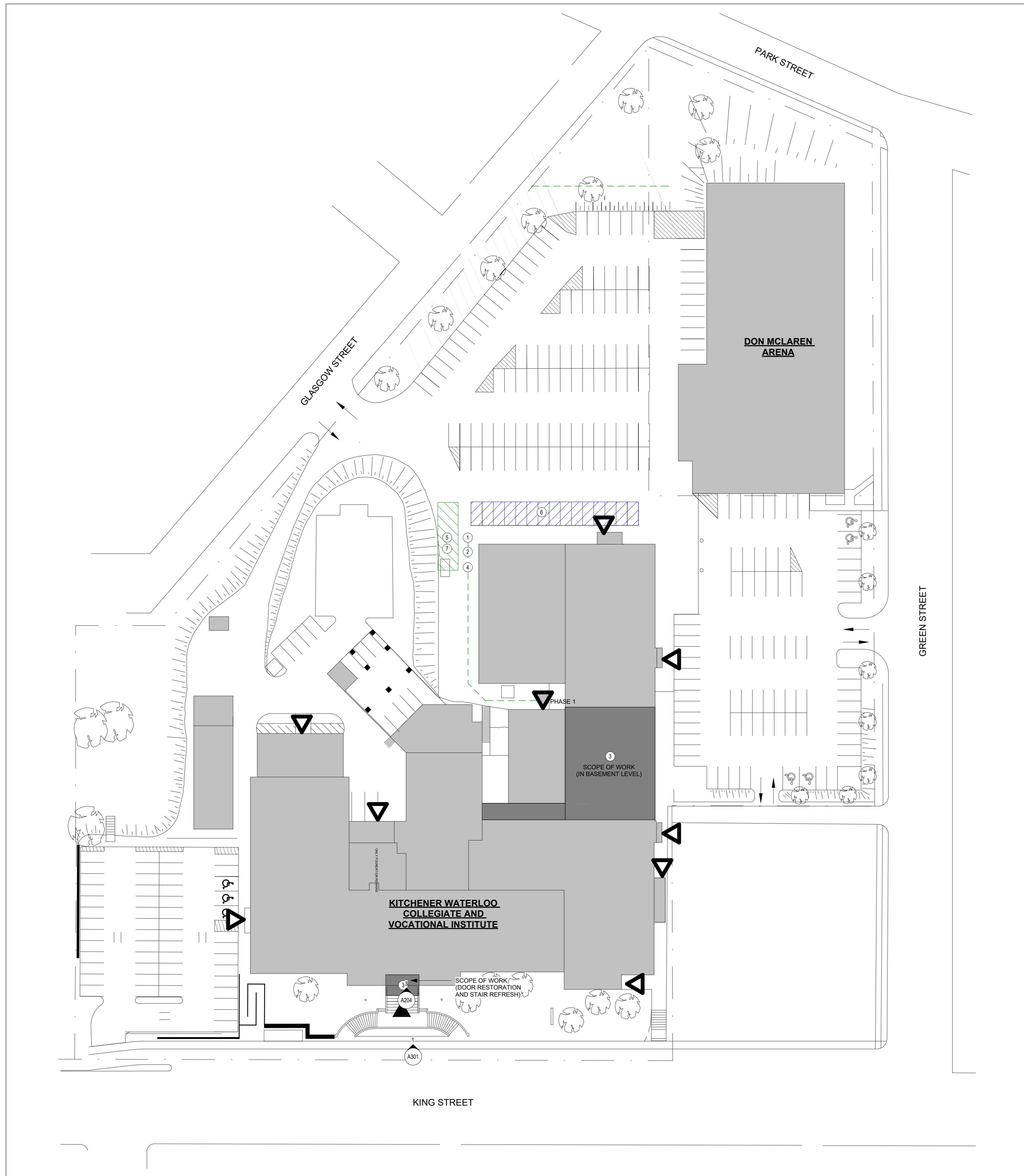
## KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION

787 King St W, Kitchener, ON N2G 2G5

WalterFedy Project No.: 2025-4029-10

ISSUED FOR BID AND PERMIT 2026-04-02





**SITE PLAN LEGEND**

- ▶ PRIMARY SCHOOL ENTRANCE, NO CONTRACTOR ACCESS PERMITTED DURING ANY PHASE OF CONSTRUCTION OTHER THAN AS REQUIRED FOR DOOR RESTORATION AND STAIR REWORK SCOPE
- ▶ PHASE 1 CONTRACTOR ACCESS TO SITE DURING CONSTRUCTION. TEXT DENOTES PHASE THE ENTRANCE IS ASSOCIATED WITH.
- ▶ SECONDARY / EMERGENCY EXIT - CONTRACTOR TO MAINTAIN EMERGENCY EXITS AT ALL TIMES
- EXISTING BUILDING TO REMAIN
- SCOPE OF WORK
- PROPOSED DISPOSAL BIN, LAYDOWN AREA, AND SITE OFFICE LOCATION, TO BE CONFIRMED WITH OWNER POST CONTRACT AWARD.
- CONTRACTOR PARKING, TO BE CONFIRMED WITH OWNER POST CONTRACT AWARD.
- CONTRACTOR ACCESS TO SITE PHASE 1

**SITE PLAN NOTES:**

- A. ALL EMERGENCY ACCESS ROUTES INCLUDING STAIRS TO BE MAINTAINED (FREE AND CLEAR) YEAR-ROUND.
- B. ALL WORKS INVOLVED IN THE CONSTRUCTION, RELOCATION AND REPAIR OF MUNICIPAL SERVICES FOR THE PROPOSED DEVELOPMENT SHALL BE TO THE SATISFACTION OF THE GENERAL MANAGER OF PUBLIC WORKS.
- C. NO PERSON SHALL CAUSE OR PERMIT ALTERATION OF A SITE IN THE MUNICIPALITY, WITHOUT HAVING FIRST OBTAINED A SITE ALTERATION PERMIT IN ACCORDANCE WITH LOCAL BY-LAW.
- D. ALL SNOW STORAGE SHALL BE STORED ON SITE IN DESIGNATED AREAS AS COORDINATED WITH OWNER.
- E. THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVER GROUP UTILITIES AND STRUCTURES IS NOT SHOWN ON THE DRAWINGS, AND WHERE SHOWN THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME LIABILITY FOR DAMAGE TO THEM AND THOSE NOT LOCATED PRIOR TO CONSTRUCTION.

**CONSTRUCTION CONTROL LEGEND**

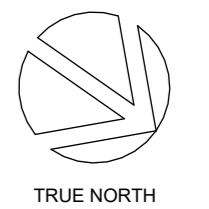
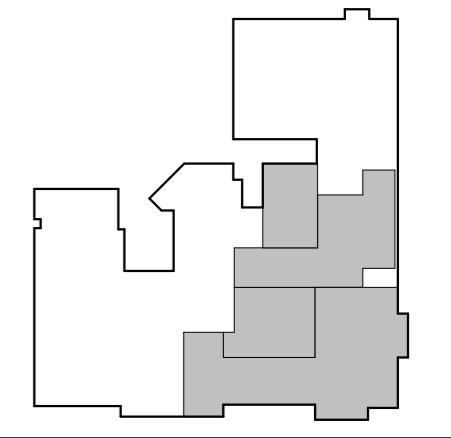
1. **ACCESS TO SITE FOR MATERIALS & EQUIPMENT**  
THIS SHALL BE THE ROUTE USED FOR THE DELIVERY OF MATERIALS AND SUPPLIES AND THE ROUTE OF REMOVAL OF DEBRIS FROM THE SITE AND DESIGNATED WORK AREAS. THE CONTRACTOR SHALL MAKE GOOD ANY DAMAGE TO EXISTING FINISHES TO THE COMPLETE SATISFACTION OF THE OWNER. DO NOT STORE MATERIAL OF DEBRIS OUTSIDE DESIGNATED WORK AREA. PROVIDE FLAG MEN DURING DELIVERY OF MATERIALS AND AT PICKUP AND DELIVERY OF DISPOSAL BIN TO ENSURE THE SAFETY OF PEDESTRIANS. ALL PORTABLE REFUSE BINS TO BE COVERED AND WIPED DOWN WITHIN THE AREA OF CONSTRUCTION PRIOR TO ENTERING ANY PUBLIC SPACE. LEAVE ROUTE CLEAN (VACUUM AND MOP AS REQ'D) AT COMPLETION OF REMOVAL OF REFUSE. THE GENERAL CONTRACTOR SHALL MAINTAIN CLEAR AND SAFE ACCESS TO ALL FIRE EXITS. DELIVERY OF EQUIPMENT AND MATERIALS SHALL BE AS SHOWN ON THE CONSTRUCTION CONTROL SITE PLAN.
2. **ACCESS TO SITE BY CONTRACTOR AND THEIR FORCES**  
THIS SHALL BE THE ROUTE USED BY THE CONTRACTOR AND HIS FORCES TO ACCESS THE SITE AND DESIGNATED WORK AREAS. THE CONTRACTOR SHALL MAKE GOOD ANY DAMAGE TO EXISTING FINISHES TO THE COMPLETE SATISFACTION OF THE OWNER.
3. **EXTENT OF WORK AREA**  
3.1 LIMIT OF DESIGNATED WORK AREA. THE CONTRACTORS FORCES SHALL LIMIT THE EXTENT OF ALL OPERATIONS WITHIN THIS WORK AREA. THE CONTRACTOR SHALL SCHEDULE ALL WORK ON THIS FLOOR WITH THE PROJECT MANAGER. THE CONTRACTOR SHALL HOARD THE WORK AREA IN SUCH A WAY THAT THE ADJACENT TENANTS / PUBLIC ARE PROTECTED FROM DUST AND DEBRIS RELATED TO CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN CLEAR AND SAFE CIRCULATION AND ACCESS TO FIRE EXITS FOR ADJACENT TENANTS THROUGHOUT CONSTRUCTION.  
  
ERECT SAFETY SIGNAGE IN PUBLIC AREAS WHERE WORK IS BEING DONE. THE GENERAL CONTRACTOR SHALL TAKE INTO ACCOUNT THAT ALL NOISY ACTIVITIES AND VIBRATION CAUSING WORK SUCH AS CORE DRILLING, SAW CUTTING, JACK HAMMERING ETC. MAY NEED TO BE CONDUCTED IN SHORT DETERMINED INTERVALS (i.e. 20 MINUTES) WITH A LAG TIME IN BETWEEN. ALL SUCH WORK SHALL BE COORDINATED WITH THE OWNER ONE WEEK PRIOR TO COMMENCING AND CONFIRMED FORTY-EIGHT HOURS IN ADVANCE IN WRITING INDICATING AREAS WHERE WORK IS TO BE DONE AND AN AGREED UPON TIME LINE. SCHEDULE WORK IN SECURED AREAS WITH THE OWNER AND ARRANGE FOR SUPERVISED ACCESS AS REQUIRED.  
3.2 PROVIDE HOARDING AS REQUIRED SEPARATING AREAS OF CONSTRUCTION AND AREAS OF BUILDING OPERATIONS. MAINTAIN INTEGRITY OF PROTECTION THROUGHOUT CONSTRUCTION. AREA OF CONSTRUCTION TO BE COMPLETELY SEALED TO THE COMPLETE SATISFACTION OF ALL CONSULTANTS AND OWNER PRIOR TO COMMENCING WORK. EXACT LOCATION OF CONSTRUCTION HOARDING C/W FLOOR LOCATIONS TO BE COORDINATED ON SITE WITH CONSULTANTS AND OWNER PRIOR TO INSTALLATION. DOORS TO BE EQUIPPED W/ LOCKING HARDWARE TO BE ENGAGED AT THE END OF EACH WORKING DAY. PROVIDE TACK MAT AT ALL ENTRANCES TO CONSTRUCTION AREA OR AS OTHERWISE DIRECTED BY THE CONSULTANT. REPLACE AS REQUIRED TO MAINTAIN FUNCTIONALITY.
4. **CONTRACTORS DISPOSAL ROUTE (TO BE CONFIRMED)**  
THIS SHALL BE THE ROUTE OF REMOVAL OF DEBRIS FROM THE SITE AND DESIGNATED WORK AREAS. THE CONTRACTOR SHALL MAKE GOOD ANY DAMAGE TO EXISTING FINISHES TO THE COMPLETE SATISFACTION OF THE OWNER. DO NOT STORE MATERIAL OF DEBRIS OUTSIDE DESIGNATED WORK AREA. PROVIDE FLAG MEN DURING PICKUP AND DELIVERY OF DISPOSAL BIN TO ENSURE THE SAFETY OF PEDESTRIANS. ALL PORTABLE REFUSE BINS TO BE COVERED AND WIPED DOWN WITHIN THE AREA OF CONSTRUCTION PRIOR TO ENTERING ANY PUBLIC SPACE. LEAVE ROUTE CLEAN (VACUUM AND MOP AS REQ'D) AT COMPLETION OF REMOVAL OF REFUSE. THE GENERAL CONTRACTOR SHALL MAINTAIN CLEAR AND SAFE ACCESS TO ALL FIRE EXITS. STORAGE WITHIN THE WORK SITE IS NOT PERMITTED.
5. **CONTRACTORS DISPOSAL BIN (LOCATION TO BE CONFIRMED)**  
THIS LOCATION SHALL BE VERIFIED WITH THE OWNER. NO STORAGE OF ANY MATERIALS OUTSIDE THE DESIGNATED WORK AREA IS ALLOWED. CLEAN UP ANY LOOSE DEBRIS LEFT AROUND DISPOSAL BIN AREA AT THE END OF EACH DAY. ONCE CONTRACT IS COMPLETE THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAKING GOOD THE DISPOSAL BIN AREA BACK TO ITS ORIGINAL CONDITION i.e. THE REPAIRING OF CURBS, PAVING, LANDSCAPING etc.
6. **CONTRACTOR DESIGNATED PARKING AREA**  
DESIGNATED CONTRACTOR AND TRADES PARKING AVAILABLE AS INDICATED.
7. **CONTRACTOR DESIGNATED STORAGE AREA**  
THE STORAGE OF SUPPLIES AND MATERIALS OUTSIDE THE WORK SITE IS NOT PERMITTED. AN EXTERIOR LOCATION WILL BE AVAILABLE FOR A TEMPORARY EXTERIOR STORAGE UNIT PROVIDED BY THE CONTRACTOR.

1 SITE PLAN  
A100 Scale: 1:500

CLIENT LOGO



KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR SD REPORT	2026-01-13
2	ISSUED FOR 100% CD	2026-03-05
3	ISSUED FOR BID AND PERMIT	2026-04-02

CLIENT  
**WATERLOO REGION DISTRICT SCHOOL BOARD**  
51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
787 King St W, Kitchener, ON N2G 2G5

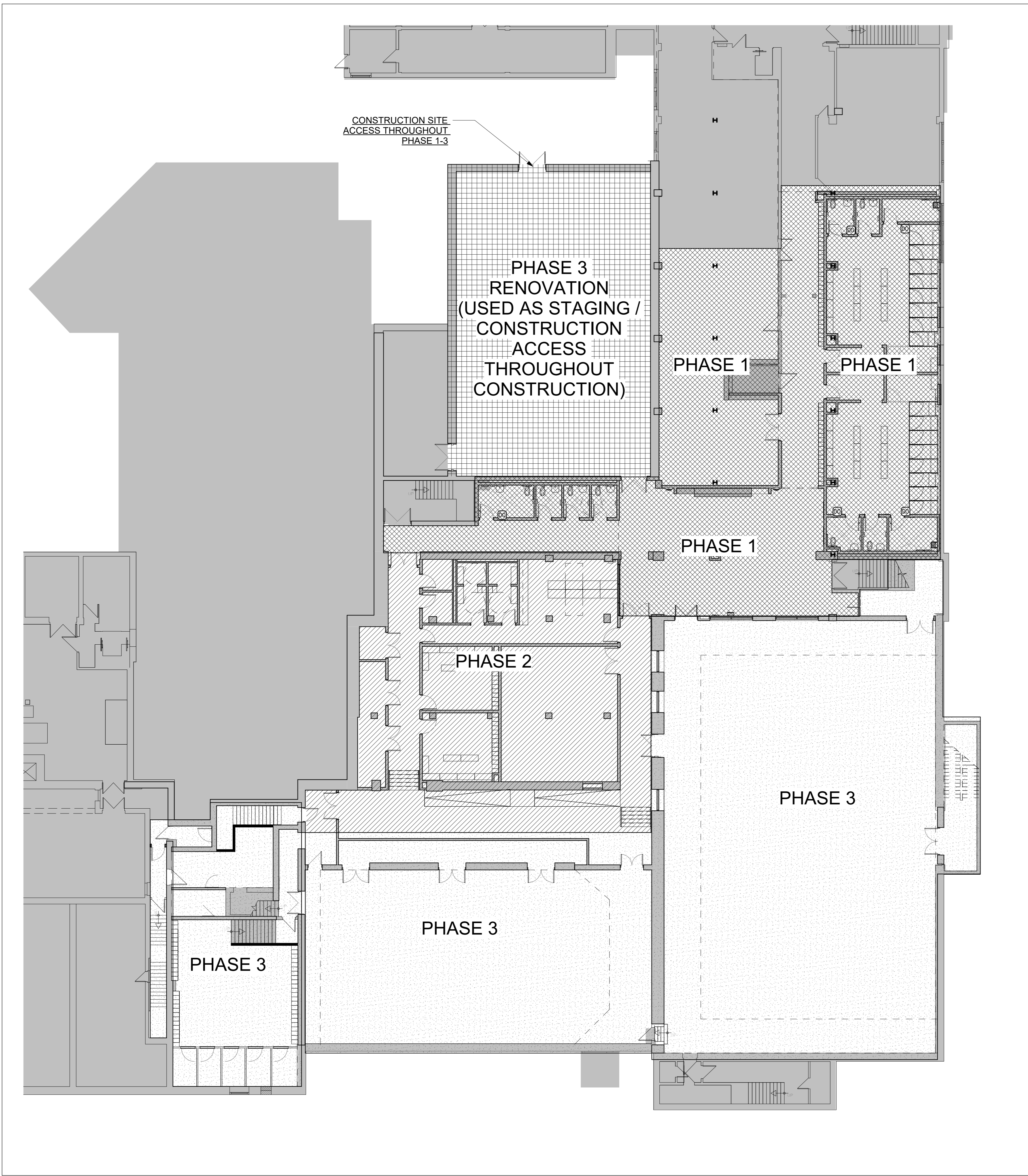
TITLE  
**SITE PLAN**

**WALTERFEDY**  
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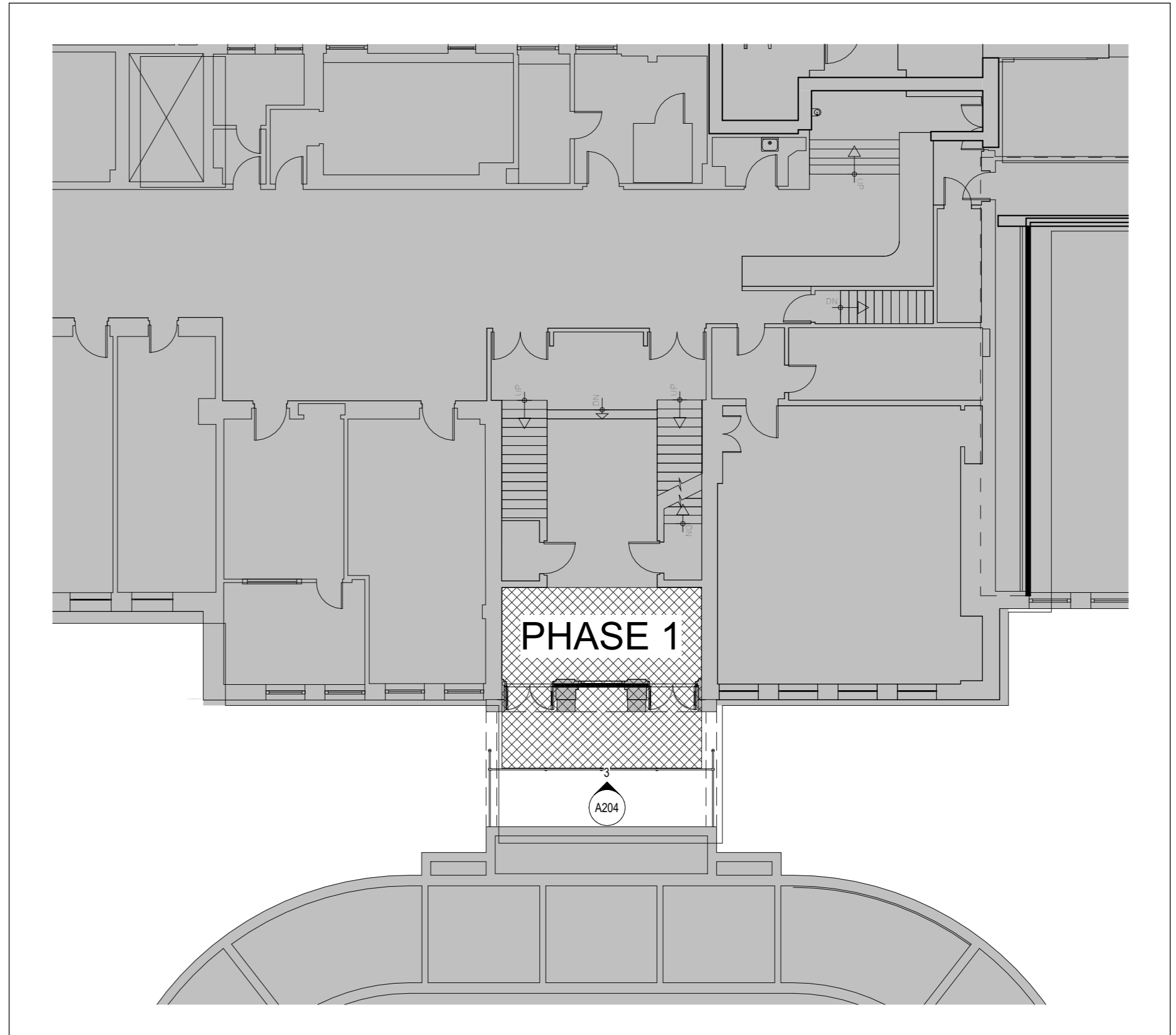
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DATE: 2026-03-09	<b>A100</b>
PROJECT NO: 2025-4029-10	
DRAWN BY: SM	
CHECKED BY: JK	



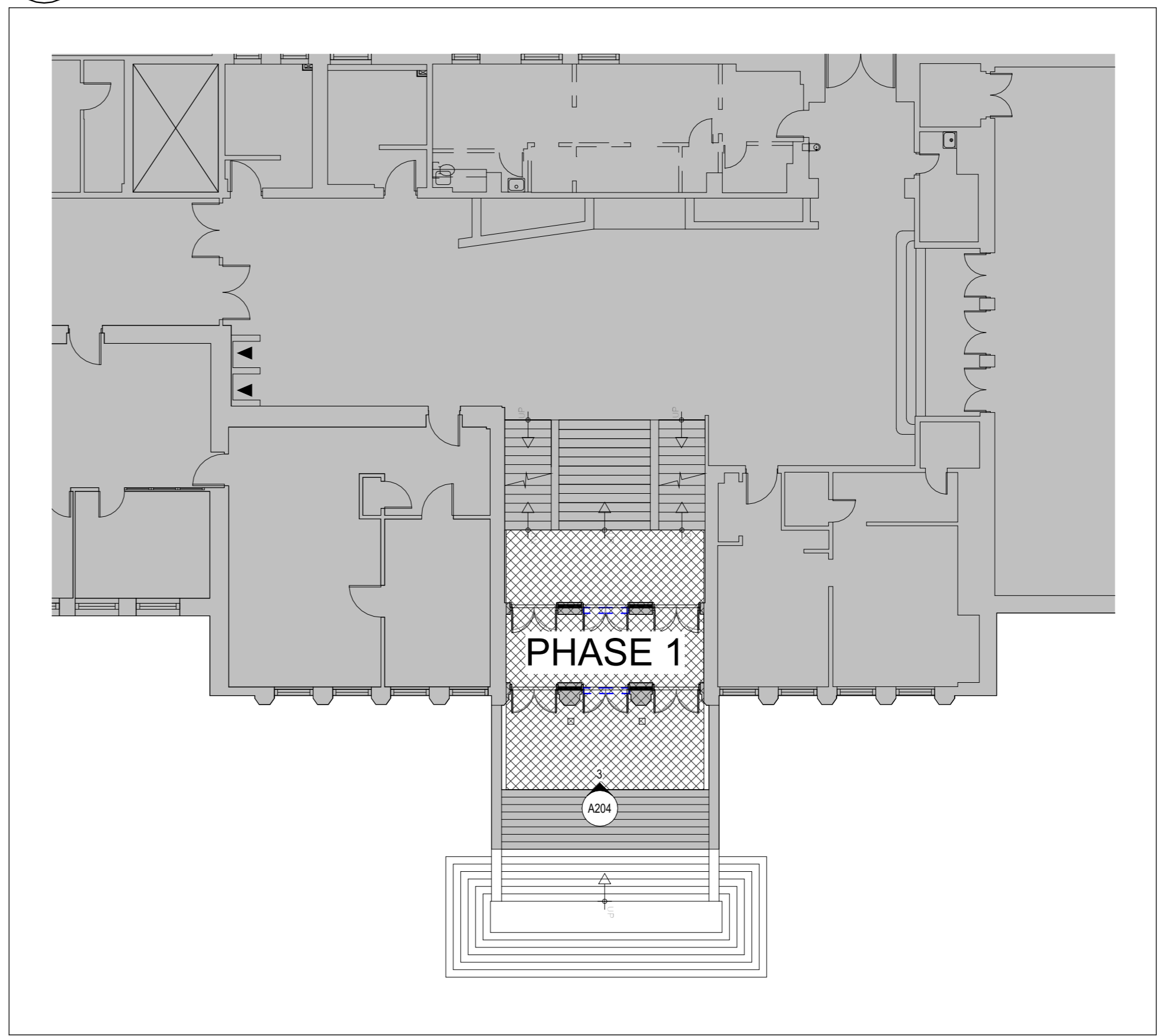
**1 LOWER LEVEL PROPOSED PHASING**  
A101 Scale: 1 : 150

- PHASING LEGEND**
- PHASE 1: APPROX. JUNE - AUGUST 2026
  - PHASE 2: APPROX. AUGUST 2026 - MAY 2027
  - PHASE 3: APPROX. APRIL - AUGUST 2027
  - PHASE 3: RENOVATION TO BE COMPLETED AT END OF PHASE 3. TO BE USED AS A CONSTRUCTION ACCESS AND STAGING AREA THROUGHOUT CONSTRUCTION

**THE SCOPE OF WORK INCLUDED IN THIS PACKAGE IS FOR PHASE 1**



**2 LEVEL 01 VESTIBULE PROPOSED PHASING**  
A101 Scale: 1 : 150

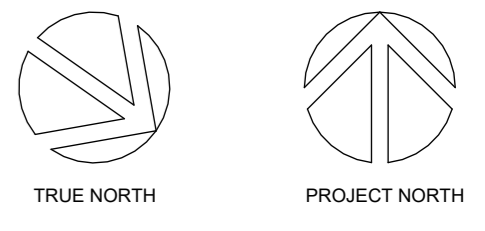
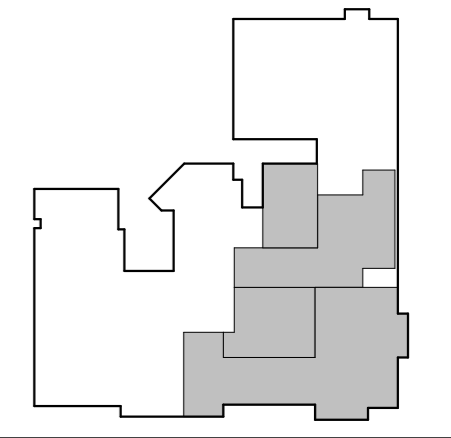


**3 LEVEL 02 DOOR RESTORATION PROPOSED PHASING**  
A101 Scale: 1 : 150

CLIENT LOGO



KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR SD REPORT	2026-01-13
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3	ISSUED FOR BID AND PERMIT	2026-04-02

CLIENT  
**WATERLOO REGION DISTRICT SCHOOL BOARD**  
51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
787 King St W, Kitchener, ON N2G 2G5

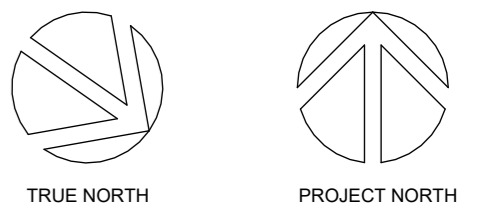
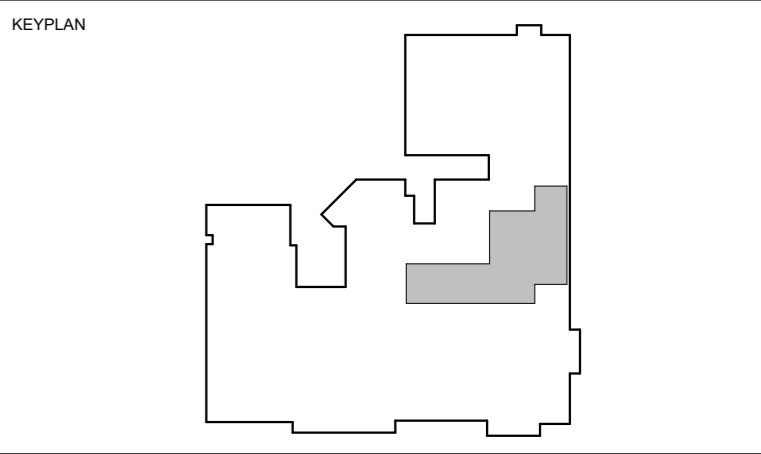
TITLE  
**PROPOSED PHASING**

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SCALE:	N.T.S.	SHEET NO:
DATE:	2026-03-09	<b>A101</b>
PROJECT NO:	2025-4029-10	
DRAWN BY:	SM	
CHECKED BY:	JK	



No.	ISSUANCE	DATE
1	ISSUED FOR SD REPORT	2026-01-13
2	ISSUED FOR 100% CD	2026-03-05
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CLIENT  
**WATERLOO REGION DISTRICT SCHOOL BOARD**

51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
787 King St W, Kitchener, ON N2G 2G5

TITLE  
**CODE COMPLIANCE AND OBC MATRIX**

**WALTERFEDY**  
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SCALE: N.T.S.	SHEET NO:
DATE: 2026-03-09	<b>A102</b>
PROJECT NO: 2025-4029-10	
DRAWN BY: SM	
CHECKED BY: JK	

2024 ONTARIO BUILDING CODE DATA MATRIX

PART 11 - RENOVATION

11.00 BUILDING CODE VERSION	O.Reg. 163/24	LAST CODE AMENDMENT O.Reg. 447/24	Issued: 2025-01-01	OBC REFERENCE [1]
11.01 PROJECT TYPE	Renovation			[A] 1.3.3.3.B
11.02 MAJOR OCCUPANCY...	OCCUPANCY	USE		3.1.2.1.(1), 11.2.1, and 2.1.4.1.(1)
	A2	Select occupy group/division from in-cell drop-down list to the left.	Secondary School (No change to major occupancy)	
11.03 SUPERIMPOSED MAJOR OCCUPANCIES	N/A			11.2, 2.2.1, and 3.2.2.5, to 3.2.2.8.
11.04 BUILDING AREA (m <sup>2</sup> )	DESCRIPTION	EXISTING	NEW	TOTAL
		6974 sqm	N/A	6974 sqm
11.05 BUILDING HEIGHT	2	STOREYS ABOVE GRADE	13	(m) ABOVE GRADE
				[A]1.4.1.2, 2.2.2.2, 3.2.1.1, and 11.3.
11.06 NUMBER OF STREETS/ FIRE FIGHTER ACCESS	1	STOREYS BELOW GRADE		
		Existing to Remain		3.2.2.10, 3.2.5, 2.2.4.1, and 11.3.
11.07 BUILDING SIZE	-	Existing to Remain		11.2.1.1, and T.11.2.1.1-B-N
11.08 EXISTING BUILDING...	CHANGE IN MAJOR OCCUPANCY		NO	10.1.1.2, and 11.2.1.1
11.09 RENOVATION TYPE	BASIC RENOVATION			11.3.3.1, and 11.3.3.2
11.10 OCCUPANT LOAD	FLOOR LEVEL/AREA	OCCUPANCY TYPE BASED ON	OCCUPANT LOAD (PERSONS)	3.1.17, 2.1.2.2, and 11.4.2.2
	EXISTING OCCUPANT LOAD TO REMAIN <sup>a2</sup>	Design of space	1,770	
11.11 PLUMBING FIXTURE REQUIREMENTS	RATIO:	MALE:FEMALE = 50:50 EXCEPT AS NOTED OTHERWISE		3.7.4, 11.3.4, 11.3.5, 11.4.2.4, and 11.4.2.5
	FLOOR LEVEL/AREA	OCCUPANT LOAD	OBC REFERENCE	WCs REQUIRED
	Existing	1770.00		M: 30 / F: 35
	Renovation	1770.00		M: 30 / F: 35
				M: 55 / F: 43 Unisex...
11.11 PLUMBING FIXTURE REQUIREMENTS continued	FLOOR LEVEL/AREA (repeated)	BARRIER-FREE WCs REQUIRED	BARRIER-FREE WCs PROVIDED	UNIVERSAL WASHROOMS REQUIRED
	Basement	2.00	2	1.00
				UNIVERSAL WASHROOMS PROVIDED
				Tables 3.8.2.3.A, and 3.8.2.3.B
11.12 BARRIER-FREE DESIGN	Yes			11.3.1.2, 11.3.2, and 11.3.3.2
BARRIER-FREE ENTRANCES	-	Existing to Remain		
11.13 REDUCTION IN PERFORMANC...	STRUCTURAL		NO	11.4.2.1
	INCREASE IN OCCUPANT LOAD		NO	11.4.2.2
	CHANGE OF MAJOR OCCUPANCY		NO	11.4.2.3
	PLUMBING		NO	11.4.2.4
	SEWAGE SYSTEMS		NO	11.4.2.5
	EXTENSION OF BUILDINGS OF COMBUSTIBLE...		NO	11.4.2.6
11.14 COMPENSATING...	COMPENSATING CONSTRUCTION PROVIDED		NO	11.4.3.1
	STRUCTURAL		NO	11.4.3.2
	INCREASE IN OCCUPANT LOAD		NO	11.4.3.3
	CHANGE OF MAJOR OCCUPANCY		NO	11.4.3.4
	PLUMBING		NO	11.4.3.5
	SEWAGE SYSTEMS		NO	11.4.3.6
	EXTENSION OF BUILDINGS OF COMBUSTIBLE...		NO	11.4.3.7
11.15 COMPLIANCE ALTERNATIVES PROPOSED				11.5.1
	[List Compliance Alternative numbers here and provide a brief description or hide this row if not needed.]			
	[List Compliance Alternative numbers here and provide a brief description or hide this row if not needed.]			
	[List Compliance Alternative numbers here and provide a brief description or hide this row if not needed.]			
11.16 ALTERNATIVE SOLUTIONS				[A]1.2.1.1, and [C]2.1
11.17 NOTES				

1. ALL REFERENCES ARE TO DIVISION B OF THE OBC UNLESS PRECEDED BY [A] FOR DIVISION A AND [C] FOR DIVISION C  
Ontario Building Code Data Matrix, Part 11 - © Ontario Association of Architects

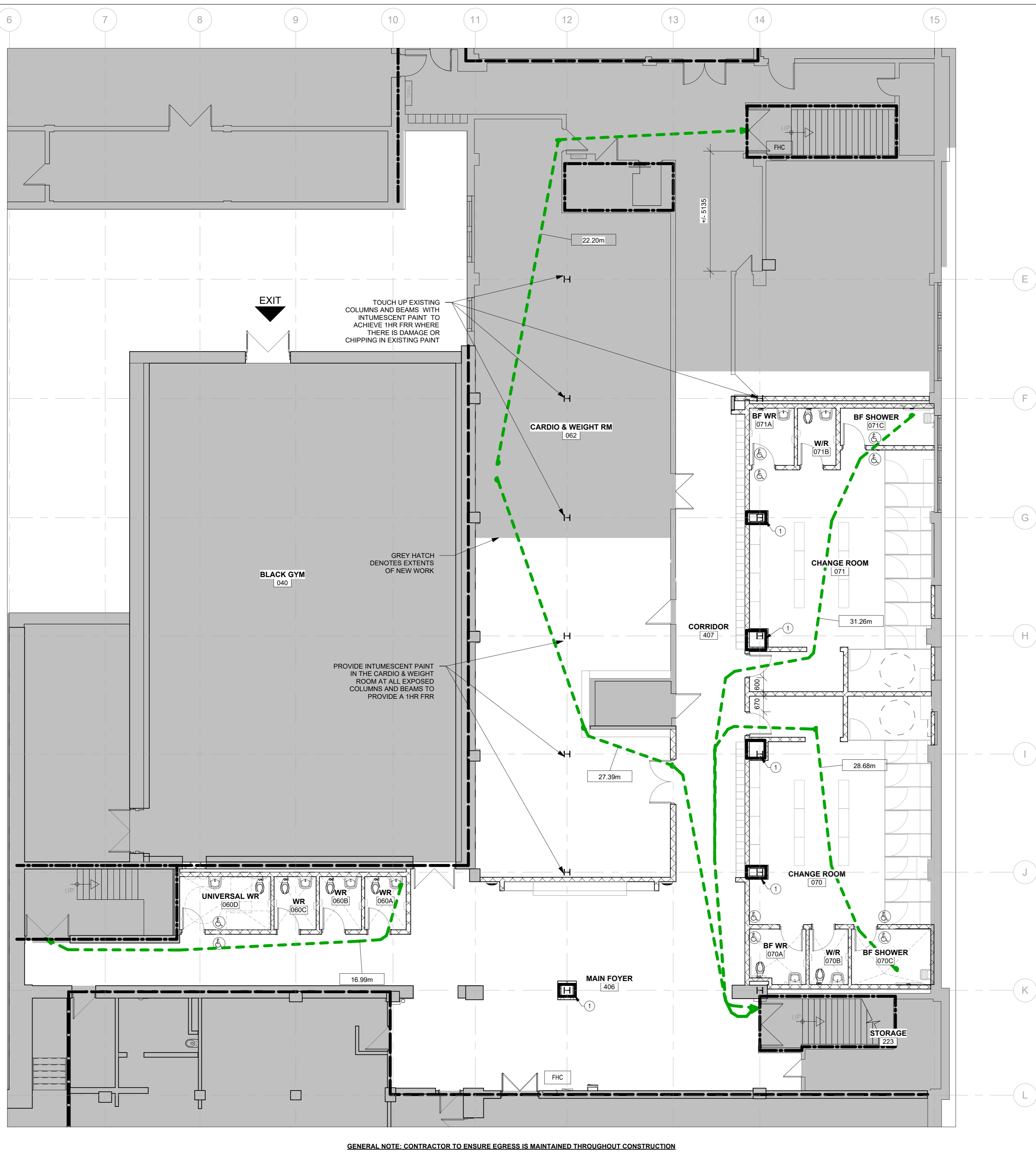
OBC DRAWING LEGEND:

- TRAVEL DISTANCE - 45m MAX.
- FIRE SEPARATION - 0 HR FIRE RATED RESISTANCE
- FIRE SEPARATION - 1/2 HR FIRE RATED RESISTANCE
- FIRE SEPARATION - 1 HR FIRE RATED RESISTANCE
- FIRE SEPARATION - 2 HR FIRE RATED RESISTANCE

- BUILDING EXIT
- DENOTES OPERABLE LEAF
- BARRIER FREE ENTRANCE DOOR OPERATOR PUSH BUTTON
- FIRE ALARM ANNUCIATOR PANEL
- FIRE ALARM CONTROL PANEL
- FIRE HOSE CABINET
- EMERGENCY CALL OBC 3.8.3.12(2) PROVIDE SIGNAGE "IN THE EVENT OF AN EMERGENCY PUSH EMERGENCY BUTTON AND AUDIBLE AND VISUAL SIGNAL WILL ACTIVATE"
- FIRE EXTINGUISHER T/O EXTINGUISHER MOUNTED MAX 4'-0"

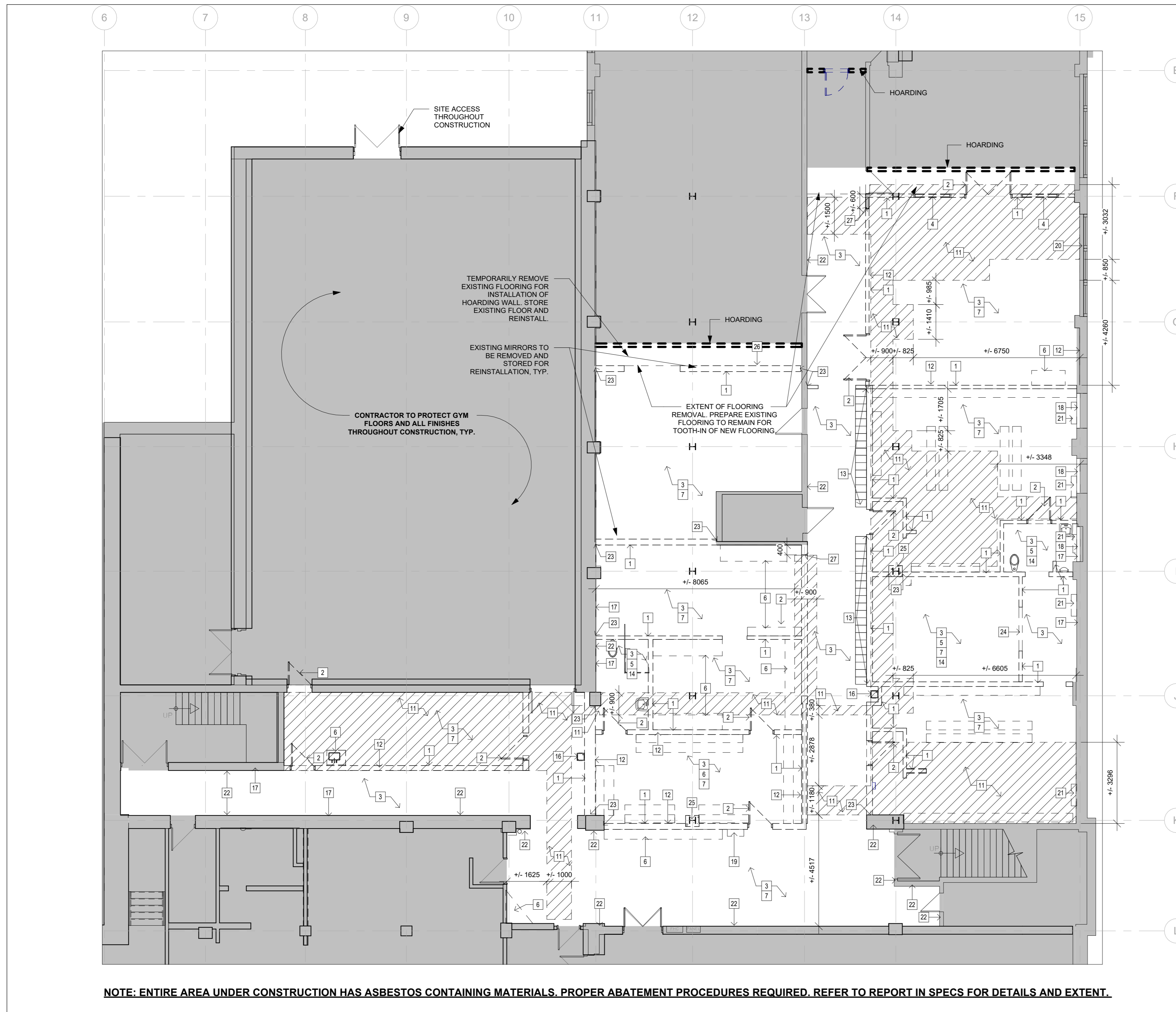
OBC DRAWING NOTES:

- NEW 1HR CONCRETE BLOCK RATED ASSEMBLY AT EXISTING COLUMNS: 140mm CONCRETE BLOCK (LIGHT WEIGHT) - 1 HR, F.R.R. AS PER SB-2, TABLE 2.1.1 81mm EQUIVALANT THICKNESS PROVIDED



GENERAL NOTE: CONTRACTOR TO ENSURE EGRESS IS MAINTAINED THROUGHOUT CONSTRUCTION

1 LOWER LEVEL - PHASE 1 CODE COMPLIANCE PLAN  
A102 Scale: 1 : 100

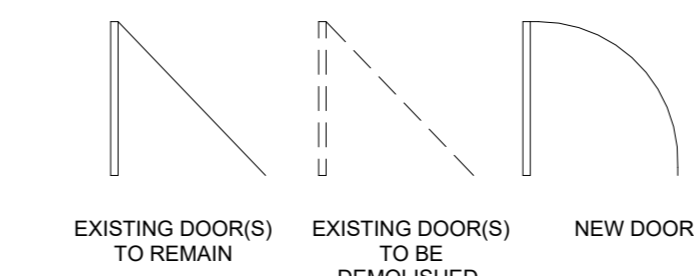


**NOTE: ENTIRE AREA UNDER CONSTRUCTION HAS ASBESTOS CONTAINING MATERIALS. PROPER ABATEMENT PROCEDURES REQUIRED. REFER TO REPORT IN SPECS FOR DETAILS AND EXTENT.**

**1 LOWER LEVEL - DEMO PLAN PHASE 1**  
A103 Scale: 1 : 100

**DRAWING LEGEND**

- HATCH DENOTES AREA NOT IN ARCHITECTURAL SCOPE OF WORK - TYP.
- HATCH DENOTES AREA OF DEMOLITION.
- HATCH DENOTES AREA OF NEW SLAB, REFER TO STRUCTURAL.
- EXISTING WALL(S) TO REMAIN.
- EXISTING WALL(S) TO BE DEMOLISHED.
- NEW WALL - REFER TO WALL ASSEMBLY LEGEND FOR DETAILS.
- W-1
- DEMOLITION NOTE SYMBOL
- RENOVATION NOTE SYMBOL
- FHC FIRE HOSE CABINET C/W FIRE EXTINGUISHER.
- HOARDING (TYPICAL) CONTRACTOR TO COORDINATE HOARDING WITH OWNER, TYP.
- HOARDING (TEMPORARY)
- DOOR NUMBER
- SCREEN NUMBER
- WINDOW NUMBER
- RWL RAIN WATER LEADER, REFER TO MECH.
- FD FLOOR DRAIN, REFER TO MECH.
- OD CLEAN OUT DRAIN, REFER TO MECH.
- FB RECESSED FLOOR BOX, REFER TO ELEC.
- CR CARD READER, REFER TO ELEC.



**GENERAL NOTES**

- A. CARRY OUT ALL DEMOLITION, REMOVAL AND DISPOSAL IN ACCORDANCE WITH APPLICABLE PROVINCIAL AND LOCAL REGULATIONS.
- B. EXECUTE DEMOLITION IN AN ORDERLY AND CAREFUL MANNER WITH DUE CONSIDERATION FOR ADJACENT STRUCTURES AND FINISHES.
- C. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO GUARD AGAINST MOVEMENT OR SETTLEMENT OF THE REMAINING STRUCTURE, INCLUDING ALL NECESSARY BRACING OR SHORING THAT IS REQUIRED.
- D. REFER TO MECHANICAL AND ELECTRICAL SPECIFICATIONS, DRAWINGS OR DEMOLITION NOTES FOR DETAILS OF SCOPE RELATED TO MECHANICAL AND ELECTRICAL DEMOLITIONS.
- E. LOCATE AND DISCONNECT, CAP AND PLUS ALL GAS, WATER, SEWER, HYDRO, TELEPHONE AND OTHER SERVICES AS REQUIRED. CO-ORDINATE WITH OWNER FOR SERVICES TO REMAIN LIVE. PREARRANGE WITH CONSTRUCTION MANAGER PRIOR TO ANY SERVICE SHUTDOWNS.
- F. CONTRACTOR TO REPORT ALL DISCREPANCIES TO CONSTRUCTION MANAGER FOR CONFIRMATION / CLARIFICATION PRIOR TO COMMENCEMENT OF ANY DEMOLITION SCOPE.
- G. WHEN PERFORMING CONCRETE SLAB REMOVALS AND EXCAVATIONS FOR MECHANICAL SERVICE CONNECTIONS, CONTRACTOR SHALL TAKE CARE NOT TO UNDERMINE EX. BLOCK WALLS OR CONCRETE SLAB. PROVIDE TEMPORARY SHORING OR LEAN CONCRETE FILL AS REQUIRED.
- H. TEMPORARY HOARDING TO BE REMOVED COMPLETE ONCE BUILDING IS TOTALLY CLOSED IN. EXISTING SURFACES TO BE RESTORED.
- I. TEMPORARY HOARDING SHOWN AS APPROXIMATE IF REQUIRED. FINAL LOCATION TO BE COORDINATED ON SITE.
- J. EXTENT OF SLAB CUTTING SHOWN APPROXIMATE. CO-ORDINATE W/ MECH., ELEC. AND STRUCT. DWGS. FOR ADDITIONAL CUTTING.
- K. PATCH CONC. SLAB LEVEL TO ADJACENT WHERE DISTURBED BY MASONRY WALL REMOVAL.

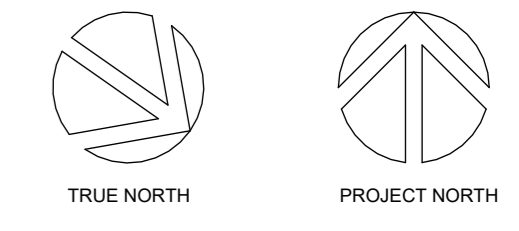
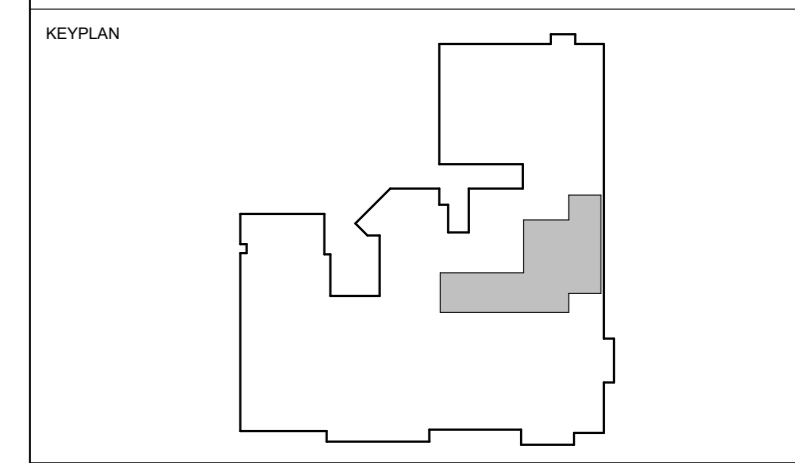
**DEMOLITION NOTES**

1. REMOVE AND DISPOSE OF EXISTING WALL ASSEMBLY AND/OR SCREEN C/W SUPPORTING STRUCTURE TO US OF EXISTING STRUCTURE ABOVE, UNLESS OTHERWISE NOTED. COORDINATE WITH MECHANICAL AND ELECTRICAL TRADES FOR DISCONNECTING AND CAPPING OF ANY SERVICES WITHIN WALL. PATCH AND MAKE GOOD ALL SURFACES TO REMAIN TO ACCEPT PROPOSED CONSTRUCTION OR FINISH.
  - a. PREP OPENING TO ACCEPT NEW DOOR & FRAME
  - b. PREP OPENING FOR INFILL ASSEMBLY.
2. REMOVE AND DISPOSE OF EXISTING DOOR C/W FRAME, SCREENS AND ALL HARDWARE INCLUDING THRESHOLDS. PATCH AND MAKE GOOD ALL SURFACES TO REMAIN.
  - a. PREP OPENING TO ACCEPT NEW DOOR & FRAME
  - b. PREP OPENING FOR INFILL ASSEMBLY.
3. REMOVE AND DISPOSE EXISTING FLOORING AND BASE C/W ALL ADHESIVES/GROUT. PATCH AND MAKE GOOD EXISTING SLAB/SUBSTRATE TO ACCEPT NEW FLOOR FINISH.
4. REMOVE AND DISPOSE OF EXISTING WINDOW & FRAME C/W ALL SASHES AND STOPS, WINDOW CASING AND SILL, INCLUDING ALL MISCELLANEOUS FASTENERS/ANCHORS AND EQUIPMENT. PATCH AND MAKE GOOD ALL SURFACES TO REMAIN.
  - a. PREP OPENING TO RECEIVE NEW WINDOW C/W SUBSTRATE REPAIR
  - b. PREP OPENING TO RECEIVE INFILL ASSEMBLY.
5. REMOVE AND DISPOSE OF EXISTING WASHROOM/SHOWER ROOM COMPLETE INCLUDING ALL WALLS, PLUMBING FIXTURES, DOORS, FLOOR FINISHES, CEILING, PARTITIONS, ETC. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DISCONNECTING, CAPPING, AND REMOVAL OF SERVICES. PATCH AND MAKE LEVEL EXISTING FLOOR TO ACCEPT PROPOSED FLOOR FINISH.
6. REMOVE AND DISPOSE OF EXISTING MILLWORK AND CASEWORK INCLUDING ALL FIXTURES, ACCESSORIES, AND SINKS. PATCH AND MAKE GOOD ALL SURFACES TO REMAIN AND TO ACCEPT NEW WALL & FLOOR FINISH. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DISCONNECTING, CAPPING, AND REMOVAL OF SERVICES.
7. REMOVE ALL EXISTING EQUIPMENT UNLESS OTHERWISE NOTED INCLUDING BUT NOT LIMITED TO WHITEBOARDS, BLACKBOARDS, FANS, PROJECTORS, BENCHES, SHELVES, HOOKS, ETC. COORDINATE ALL REMOVALS AND/OR RELOCATION WITH OWNER. COORDINATE WITH MECHANICAL AND ELECTRICAL TRADES FOR DISCONNECTING AND CAPPING OF ANY SERVICES WITHIN OR RELATED TO EQUIPMENT. PATCH AND MAKE GOOD ALL SURFACES TO REMAIN TO ACCEPT PROPOSED CONSTRUCTION OR FINISH.
8. REMOVE AND DISPOSE EXISTING CEILING ASSEMBLY C/W GRID, CEILING TILE, DRYWALL, PLASTER AND ALL CEILING MOUNTED ITEMS. COORDINATE WITH MECHANICAL AND ELECTRICAL TRADE FOR EXACT LOCATION OF DISCONNECT AND REMOVAL OF ANY SERVICE WITHIN CEILING.
9. EXISTING CEILING TO REMAIN - REMOVE AND REINSTALL CEILING TILES/GWB AS REQUIRED FOR MECHANICAL AND ELECTRICAL SCOPE OF WORK. PATCH AND MAKE GOOD EXISTING SURFACES TO REMAIN.
10. SAW CUT, REMOVE, AND DISPOSE OF PORTION OF EXISTING MASONRY WALL TO ALLOW FOR INSTALLATION OF DOORS/SCREEN/WINDOW AND LINTEL. TOOTH-IN SALVAGED BLOCK AROUND OPENING AS REQUIRED. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR REMOVAL/RELOCATION OF ANY SERVICES WITHIN WALL. PROVIDE TEMPORARY SHORING AS REQUIRED TO MAKE SAFE.
11. SAW CUT, REMOVE, AND DISPOSE OF PORTION OF EXISTING CONCRETE FLOOR ASSEMBLY TO ACCOMMODATE SCOPE OF WORK. SCALP SLAB BEFORE COMMENCING ANY WORK. COORDINATE WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATIONS AND SIZE. HATCH DENOTES APPROXIMATE AREA OF WORK AND DIMENSIONS SHOWN ARE APPROXIMATE FOR PRICING ONLY. CONTRACTOR TO SITE VERIFY.
12. REMOVE AND DISPOSE OF EXISTING BLACKBOARD/BACKBOARD/WHITEBOARD. PATCH AND MAKE GOOD EXISTING ADJACENT SURFACES TO REMAIN. PREPARE SURFACES TO ACCEPT PROPOSED FINISHES.
13. REMOVE AND DISPOSE OF EXISTING METAL LOCKERS.
14. CUT AND CAP FLOOR DRAIN. REFER TO MECHANICAL DRAWINGS. PATCH AND MAKE GOOD ALL EXISTING SURFACES TO REMAIN. LEVEL AND PREPARE CONCRETE SLAB TO RECEIVE PROPOSED FLOOR FINISH.
15. RESERVED.
16. REMOVE AND DISPOSE OF EXISTING FOUNTAIN COMPLETE. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DISCONNECTING, CAPPING, AND REMOVAL OF SERVICES. PATCH AND MAKE GOOD EXISTING SURFACES TO REMAIN TO ACCEPT NEW FINISH.
17. STRIP EXISTING TILE FINISH FROM WALL TO REMAIN. PATCH AND PREPARE SURFACE TO REMAIN TO RECEIVE NEW FINISH.
18. REMOVE AND DISPOSE OF EXISTING SILL TRIM. PREPARE CAVITY TO RECEIVE NEW INFILL WALL.
19. REMOVE EXISTING AED AND RETURN TO OWNER.
20. REMOVE EXISTING BLINDS AND RETURN TO OWNER.
21. EXISTING RADIATOR TO BE REMOVED. REFER TO MECHANICAL FOR DETAILS. PATCH AND PREPARE SURFACE TO REMAIN TO RECEIVE NEW FINISH.
22. TERRAZZO BASE TO BE REMOVED AND EXISTING WALL TO REMAIN. CONTRACTOR TO MINIMIZE DAMAGE TO EXISTING WALL. PATCH AND REPAIR EXISTING WALL TO RECEIVE NEW FINISH.
23. SAW CUT, GRIND, PREPARE, AND CLEAN EXISTING SURFACE TO REMAIN TO RECEIVE NEW FINISH.
24. SAW CUT EXISTING CONCRETE SHOWER CURB. PREPARE SURFACE TO REMAIN TO RECEIVE NEW FINISH.
25. STRIP COLUMN OF ITS EXISTING FINISH.
26. EXISTING ELECTRICAL PANEL TO BE REMOVED. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
27. PREPARE EXISTING CLAY TILE BLOCK WALL TO REMAIN TO TIE INTO NEW BLOCK WALL, TYP. REFER TO STRUCTURAL FOR TIE IN DETAILS.

**DEMOLITION LEGEND**

- HATCH DENOTES DEMOLITION AREA TO SAW CUT, REMOVE, AND DISPOSE OF EXISTING SLAB FOR MECHANICAL TRENCHING AND NEW FOOTINGS. REFER TO MECHANICAL AND STRUCTURAL DRAWINGS FOR DETAILS.

CLIENT LOGO



No.	ISSUANCE	DATE
1	ISSUED FOR SD REPORT	2026-01-13
2	ISSUED FOR 100% CD	2026-03-05
3	ISSUED FOR BID AND PERMIT	2026-04-02

CLIENT  
**WATERLOO REGION DISTRICT SCHOOL BOARD**  
51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
787 King St W, Kitchener, ON N2G 2G5

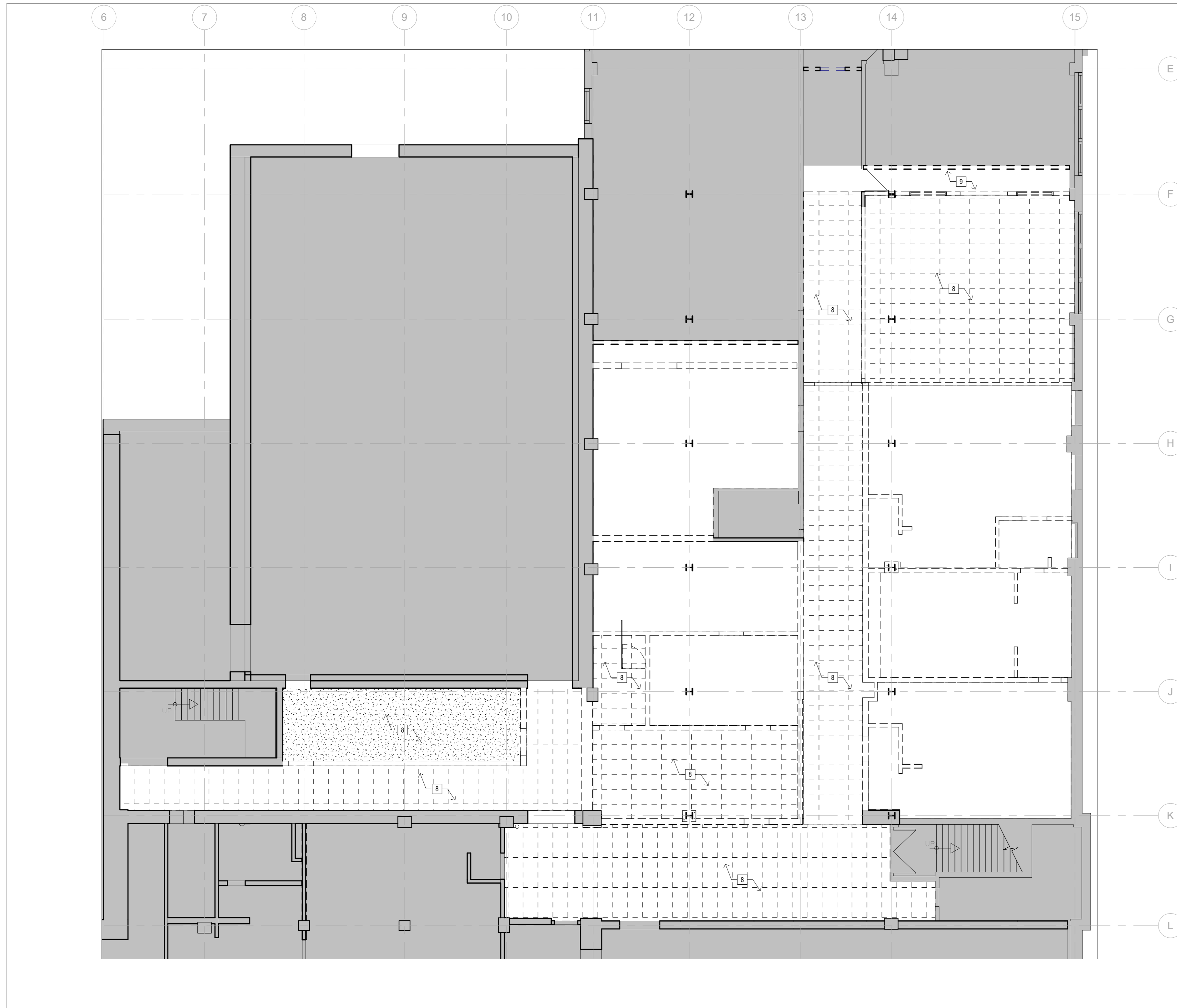
TITLE  
**LOWER LEVEL PARTIAL DEMOLITION PLAN - PHASE 1**

**WALTERFEDY**  
TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON  
800.685.1378 walterfedy.com



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SCALE: N.T.S.	SHEET NO:
DATE: 2026-03-09	<b>A103</b>
PROJECT NO: 2025-4029-10	
DRAWN BY: SM	
CHECKED BY: JK	



**DEMOLITION NOTES**

1. REMOVE AND DISPOSE OF EXISTING WALL ASSEMBLY AND/OR SCREEN C/W SUPPORTING STRUCTURE TO U/S OF EXISTING STRUCTURE ABOVE. UNLESS OTHERWISE NOTED, COORDINATE WITH MECHANICAL AND ELECTRICAL TRADES FOR DISCONNECTING AND CAPPING OF ANY SERVICES WITHIN WALL. PATCH AND MAKE GOOD ALL SURFACES TO REMAIN TO ACCEPT PROPOSED CONSTRUCTION OR FINISH.
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14. CUT AND CAP FLOOR DRAIN. REFER TO MECHANICAL DRAWINGS. PATCH AND MAKE GOOD ALL EXISTING SURFACES TO REMAIN. LEVEL AND PREPARE CONCRETE SLAB TO RECEIVE PROPOSED FLOOR FINISH.
15. RESERVED.
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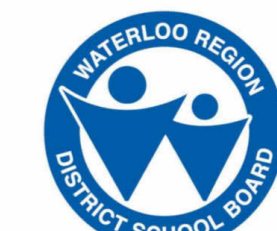
**DEMOLITION LEGEND**

- HATCH DENOTES DEMOLITION AREA TO SAW CUT, REMOVE, AND DISPOSE OF EXISTING SLAB FOR MECHANICAL TRENCHING AND NEW FOOTINGS. REFER TO MECHANICAL AND STRUCTURAL DRAWINGS FOR DETAILS.

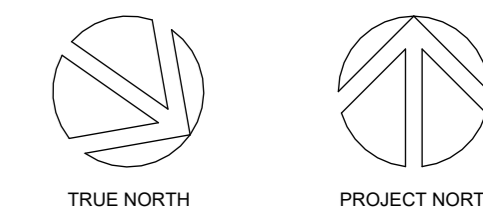
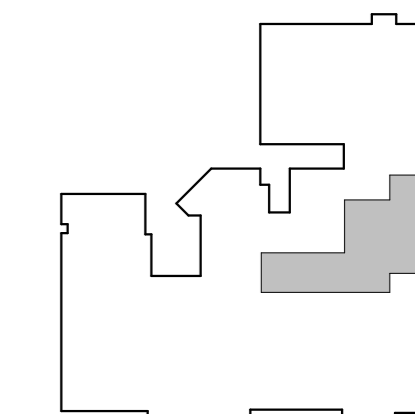
**REFLECTED CEILING PLAN LEGEND:**

- C-1 CEILING ASSEMBLY TYPE
- XXXX U/S OF CEILING ELEVATION (MEASURED FROM FIN. FLOOR)
- PLASTER
- ACOUSTICAL CEILING TILE
- EXPOSED TO U/S OF STRUCTURE

CLIENT LOGO



KEY PLAN



No.	ISSUANCE	DATE
1	ISSUED FOR SD REPORT	2026-01-13
2	ISSUED FOR 100% CD	2026-03-05
3	ISSUED FOR BID AND PERMIT	2026-04-02

CLIENT

**WATERLOO REGION DISTRICT SCHOOL BOARD**

51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT

**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**

787 King St W, Kitchener, ON N2G 2G5

TITLE

**LOWER LEVEL PARTIAL DEMOLITION RCP - PHASE 1**

**WALTERFEDY**

TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON

800.685.1378 walterfedy.com

SEAL

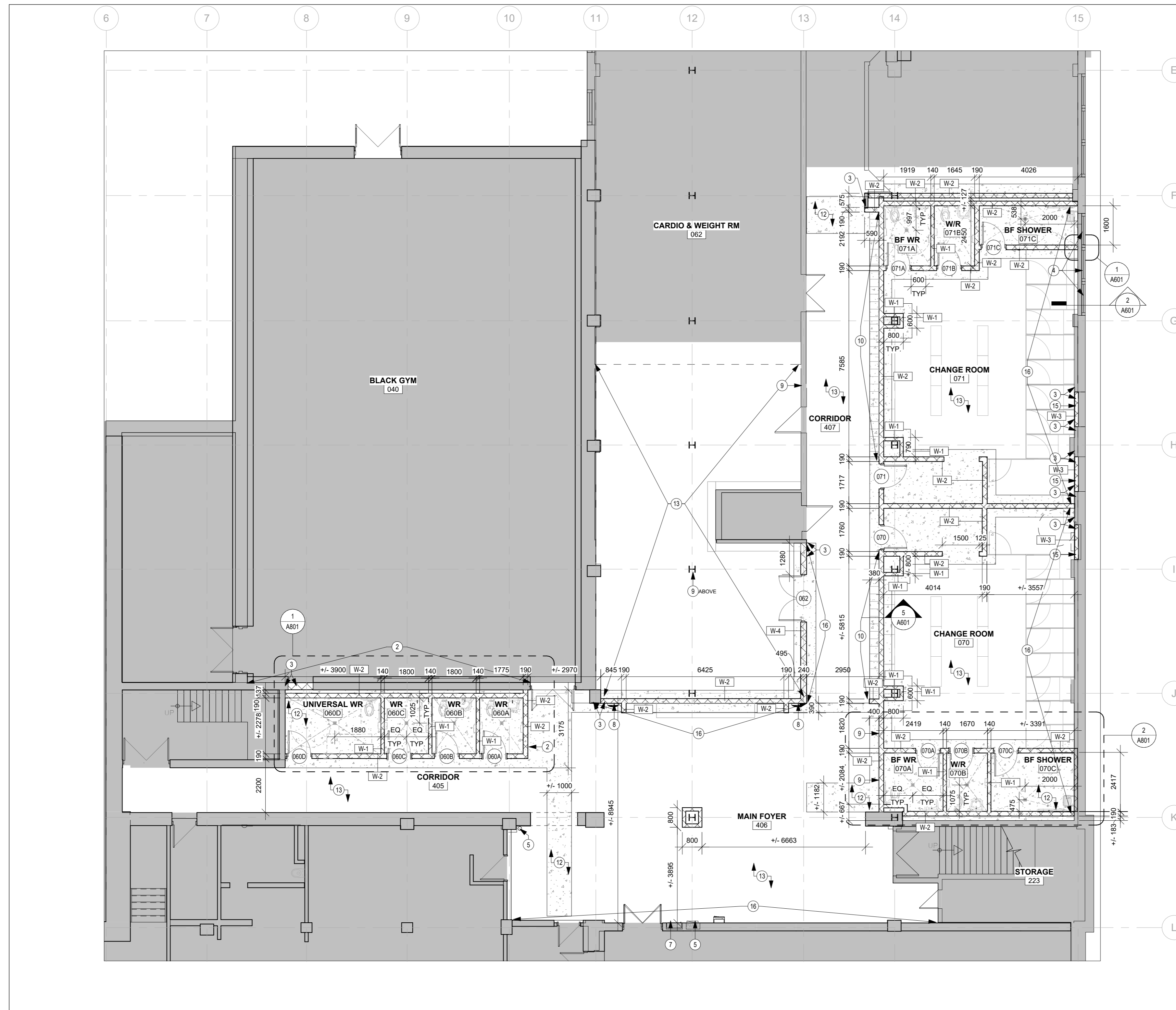


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SCALE:	N.T.S.	SHEET NO:
DATE:	2026-03-09	<b>A104</b>
PROJECT NO:	2025-4029-10	
DRAWN BY:	SM	
CHECKED BY:	JK	

**1 LOWER LEVEL 02 RCP DEMO**  
A104 Scale: 1 : 100



1 LOWER LEVEL - PHASE 1 RENO PLAN  
A201 Scale: 1 : 100

**DRAWING LEGEND**

- HATCH DENOTES AREA NOT IN ARCHITECTURAL SCOPE OF WORK - TYP.
- HATCH DENOTES AREA OF DEMOLITION.
- HATCH DENOTES AREA OF NEW SLAB, REFER TO STRUCTURAL.
- EXISTING WALL(S) TO REMAIN.
- EXISTING WALL(S) TO BE DEMOLISHED.
- NEW WALL - REFER TO WALL ASSEMBLY LEGEND FOR DETAILS.
- W-1
- DEMOLITION NOTE SYMBOL
- RENOVATION NOTE SYMBOL
- FIRE HOSE CABINET C/W FIRE EXTINGUISHER.
- HOARDING (TYPICAL) CONTRACTOR TO COORDINATE HOARDING WITH OWNER, TYP.
- HOARDING (TEMPORARY)
- DOOR NUMBER
- SCREEN NUMBER
- WINDOW NUMBER
- RAIN WATER LEADER, REFER TO MECH.
- FLOOR DRAIN, REFER TO MECH.
- CLEAN OUT DRAIN, REFER TO MECH.
- RECESSED FLOOR BOX, REFER TO ELEC.
- CARD READER, REFER TO ELEC.
- EXISTING DOOR(S) TO REMAIN
- EXISTING DOOR(S) TO BE DEMOLISHED.
- NEW DOOR.

**WALL ASSEMBLIES:**

- EXISTING WALL TO REMAIN.
- 140 CONCRETE BLOCK
- 190 CONCRETE BLOCK
- 16 PLASTER SCRATCH COAT AND FINISH COAT  
140 CONCRETE BLOCK
- 240 CONCRETE BLOCK

GENERAL NOTE: ALL WALLS TO EXTEND TO U/S OF STRUCTURE UNLESS OTHERWISE NOTED.

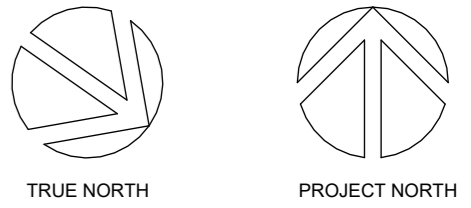
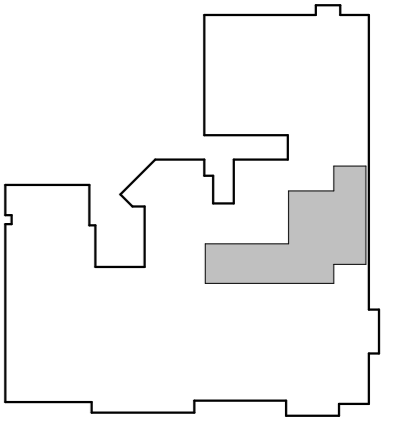
**DRAWING NOTES**

1. AUTOMATED EXTERNAL DEFIBRILLATOR (AED)
2. PROVIDE FIRE STOPPING AT ALL EXISTING AND NEW PENETRATIONS.
3. ALIGN NEW WALL FACE WITH EXISTING. REFER TO STRUCTURAL FOR TIE-IN DETAIL AT EXISTING CLAY TILE WALL AND NEW BLOCK WALL.
4. TRANSLUCENT FILM, REFER TO SPECS.
5. EXISTING EXPOSED MECHANICAL TO REMAIN. REFER TO MECHANICAL DRAWINGS FOR DETAILS.
6. EXISTING RECESSED ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS
7. EXISTING FIRE HOSE CABINET TO REMAIN
8. DRINKING FOUNTAIN, REFER TO MECHANICAL DRAWINGS
9. TELEVISION, SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR. PROVIDE WOOD BLOCKING IN WALL WHERE REQUIRED
10. METAL LOCKER (C/W SLOPED METAL TOP AND VENTED) TO BE INSTALLED ON FOURED CONCRETE BASE. REFER TO STRUCTURAL FOR DETAILS.
11. METAL LOCKER FILLER PANEL, REFER TO SPECIFICATION
12. HATCHED AREA DENOTES EXTENT OF CONCRETE FLOOR INFILL TOP OF SLAB TO MATCH TOP OF EXISTING ADJACENT FLOOR SLAB. PREPARE SLAB TO ACCEPT PROPOSED FLOOR FINISH
13. FLOOR ASSEMBLY INFILL TO BE FLUSH WITH EXISTING ADJACENT FLOOR ASSEMBLY. ALIGN SUBSTRATE WITH EXISTING ADJACENT FLOOR SUBSTRATE. POUR SELF LEVELING CONCRETE AS NEEDED TO PROVIDE SMOOTH, FLAT FINISH FLUSH WITH EXISTING FLOOR (TYPICAL ALL NEW FLOORS).
14. PATCH AND PREPARE EXISTING WALLS TO REMAIN TO RECEIVE NEW FINISH, TYP.
15. INFILL WALL APPROX. 1220 x 1400, CONTRACTOR TO SITE VERIFY.
16. APPROX. EXTENT OF LATH AND PLASTER TOP COAT REQUIRED. TIE INTO EXISTING PLASTER WALL FOR SMOOTH, ALIGNED FINISH.

CLIENT LOGO



KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR SD REPORT	2026-01-13
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CLIENT

**WATERLOO REGION DISTRICT SCHOOL BOARD**

51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT

**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**

787 King St W, Kitchener, ON N2G 2G5

TITLE

**LOWER LEVEL PARTIAL RENOVATION PLAN - PHASE 1**

**WALTERFEDY**

TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON

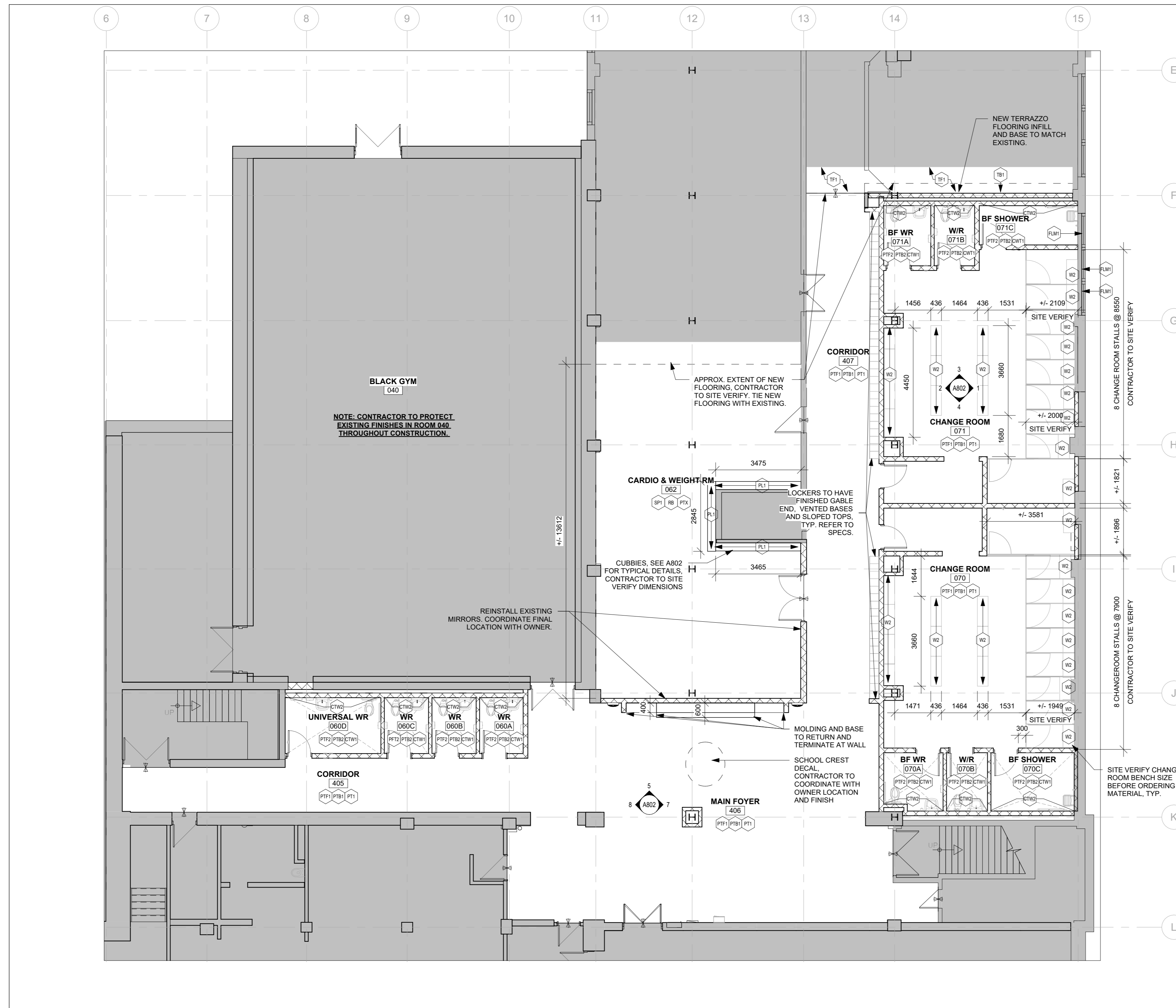
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DATE:	2026-03-09	<b>A201</b>
PROJECT NO:	2025-4029-10	
DRAWN BY:	SM	
CHECKED BY:	JK	



1 LOWER LEVEL - PHASE 1 FINISH PLAN  
A202 Scale: 1 : 100

**FINISH LEGEND**

- TILING**
- (PT1) PORCELAIN TILE FLOOR
  - (PTB) PORCELAIN TILE BASE
  - (PT2) PORCELAIN TILE FLOOR
  - (PT3) PORCELAIN TILE BASE
  - (CTW) CERAMIC TILE WALL
  - (CTWB) CERAMIC TILE WALL
- RESILIENT FLOORING**
- (SP1) SPORT FLOORING
  - (RB) RUBBER BASE
  - (TF1) TERRAZZO FLOORING
  - (TB1) TERRAZZO BASE
- DENOTES FLOORING TRANSITION STRIP**
- PAINTS & COATING**
- (PFA) MATCH TO EXISTING
  - (PF1) MAIN FIELD PAINT
  - (PF2) HM DOORS AND FRAMES
  - (PF3) CEILING PAINT
  - (PF4) RESERVED
- ARCHITECTURAL WOODWORK**
- (W1) SOLID WOOD
  - (W2) SOLID WOOD
  - (PL1) PLASTIC LAMINATE
  - (FLM1) WINDOW FILM, REFER TO FINISH SCHEDULE

**DRAWING LEGEND**

- (Hatched Area) HATCH DENOTES AREA NOT IN ARCHITECTURAL SCOPE OF WORK - TYP.
- (Hatched Area) HATCH DENOTES AREA OF DEMOLITION.
- (Hatched Area) HATCH DENOTES AREA OF NEW SLAB, REFER TO STRUCTURAL.
- (Solid Line) EXISTING WALL(S) TO REMAIN.
- (Dashed Line) EXISTING WALL(S) TO BE DEMOLISHED.
- (Dotted Line) NEW WALL - REFER TO WALL ASSEMBLY LEGEND FOR DETAILS.
- (W-1) W-1
- (1) DEMOLITION NOTE SYMBOL
- (1) RENOVATION NOTE SYMBOL
- (FHC) FIRE HOSE CABINET C/W FIRE EXTINGUISHER.
- (---) HOARDING (TYPICAL) CONTRACTOR TO COORDINATE HOARDING WITH OWNER, TYP.
- (---) HOARDING (TEMPORARY)
- (0000) DOOR NUMBER
- (W000) SCREEN NUMBER
- (W22) WINDOW NUMBER
- (RWL) RAIN WATER LEADER, REFER TO MECH.
- (FD) FLOOR DRAIN, REFER TO MECH.
- (CO) CLEAN OUT DRAIN, REFER TO MECH.
- (FB) RECESSED FLOOR BOX, REFER TO ELEC.
- (CR) CARD READER, REFER TO ELEC.
- (Existing Door) EXISTING DOOR(S) TO REMAIN
- (Existing Door) EXISTING DOOR(S) TO BE DEMOLISHED.
- (New Door) NEW DOOR.

**GENERAL FINISH NOTES**

1. FLOOR LEVELS BETWEEN EXISTING AND NEW FLOORS TO BE FLUSH. TOPPING DEPTH TO BE ADJUSTED AT TRANSITIONS TO ACCOUNT FOR FINISH FLOORING DEPTH.
2. REFER TO REFLECTED CEILING PLANS FOR CEILING FINISH.
3. WHERE CERAMIC WALL TILE IS INSTALLED ON CONCRETE BLOCK LAMINATE 16mm CEMENT BOARD TO CONCRETE BLOCK PRIOR TO INSTALLING WALL TILE. PROVIDE J TRIM AROUND PERIMETER OF CEMENT BOARD.
4. WHERE INDICATED ON PLAN GYPSUM CEILING BULKHEAD ABOVE TO BE PAINTED TO MATCH COLOURED WALLS ATTACHED.
5. TYPICAL FOR ALL FOUR SIDES OF WALLS FOR ALL WASHROOMS, WALL FINISHES TO BE CERAMIC TILE FULL HEIGHT.
6. CONTRACTOR TO SITE VERIFY CHANGE ROOM STALL PARTITIONS DIMENSIONS PRIOR TO ORDERING.

CLIENT LOGO

KEYPLAN

TRUE NORTH PROJECT NORTH

No.	ISSUANCE	DATE
1	ISSUED FOR SD REPORT	2026-01-13
2	ISSUED FOR 100% CD	2026-03-05
3	ISSUED FOR BID AND PERMIT	2026-04-02

CLIENT

**WATERLOO REGION DISTRICT SCHOOL BOARD**

51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT

**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**

787 King St W, Kitchener, ON N2G 2G5

TITLE

**LOWER LEVEL PARTIAL FINISH PLAN - PHASE 1**

**WALTERFEDY**

TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON

800.685.1378 walterfedy.com

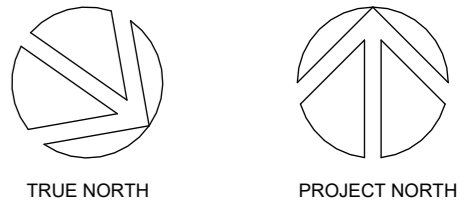
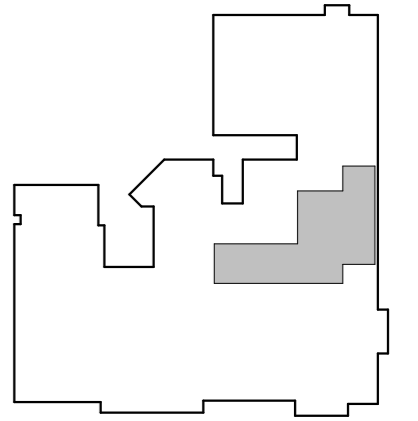
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CHECKED BY: JK	



KEY PLAN



No.	ISSUANCE	DATE
1	ISSUED FOR SD REPORT	2026-01-13
2	ISSUED FOR 100% CD	2026-03-05
3	ISSUED FOR BID AND PERMIT	2026-04-02

CLIENT

**WATERLOO REGION DISTRICT SCHOOL BOARD**

51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT

**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**

787 King St W, Kitchener, ON N2G 2G5

TITLE

**LOWER LEVEL PARTIAL RENOVATION RCP - PHASE 1**

**WALTERFEDY**

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SCALE:	N.T.S.	SHEET NO:
DATE:	2026-03-09	<b>A203</b>
PROJECT NO:	2025-4029-10	
DRAWN BY:	SM	
CHECKED BY:	JK	

**CEILING ASSEMBLIES**

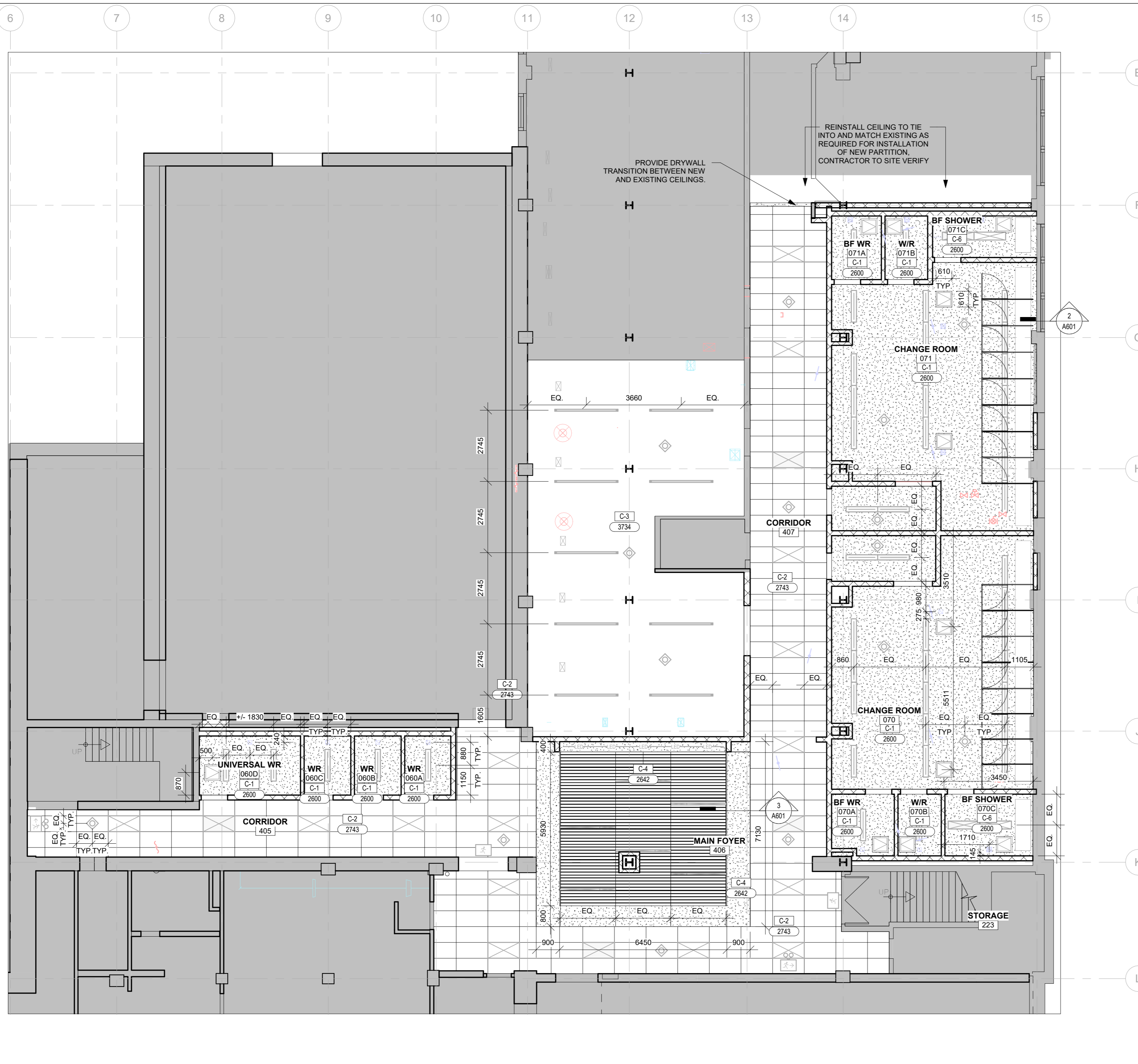
- C-1 16 GYPSUM WALL BOARD  
22 FURRING CHANNELS @ 600 o.c.  
64 CARRYING CHANNELS @ 400 o.c.
- C-2 610x1220 ACOUSTICAL CEILING TILE  
PREFINISHED METAL T-BAR SUSPENSION SYSTEM
- C-3 EXPOSED EXISTING STRUCTURE, AND MECH/ELEC SERVICES. PAINT.
- C-4 BULKHEAD  
16 GYPSUM WALL BOARD  
64 CARRYING CHANNELS @ 400 o.c.  
SUSPENSION SYSTEM
- C-5 PREMANUFACTURED WOOD CEILING PANEL.
- C-6 10 PVC PANEL  
16 PAPERLESS GYPSUM WALL BOARD  
22 FURRING CHANNELS @ 600 o.c.  
64 CARRYING CHANNELS @ 400 o.c.

**REFLECTED CEILING PLAN LEGEND:**

- C-1 CEILING ASSEMBLY TYPE
- XXXX U/S OF CEILING ELEVATION (MEASURED FROM FIN FLOOR)
- GYPSUM WALL BOARD
- ACOUSTICAL CEILING TILE
- PREMANUFACTURED WOOD SLAT PANEL
- EXPOSED TO U/S OF STRUCTURE
- GYPSUM WALL BOARD ACCESS PANEL (REFER TO SPEC)
- LIGHT FIXTURE (SEE ELEC.)
- EMERGENCY LIGHT
- SUPPLY AIR DIFFUSER (SEE MECH.)
- RETURN AIR DIFFUSER (SEE MECH.)
- LIGHTING DATA SERVICE (SEE. ELEC.)
- WALL MOUNTED FIXTURE (SEE ELEC)
- OCCUPANCY SENSOR (REFER TO ELEC)
- LINEAR DIFFUSER (REFER TO MECH)
- UNIT HEATER (REFER TO MECH)
- SUSPENDED TRACK Light (REFER TO ELEC)
- CEILING FAN C/W PROTECTIVE METAL CAGE (REFER TO ELEC)
- WALLS TO U/S OF CEILING
- MANUALLY OPERATED (MOTORIZED) BLIND / SHADE

**GENERAL RCP NOTES**

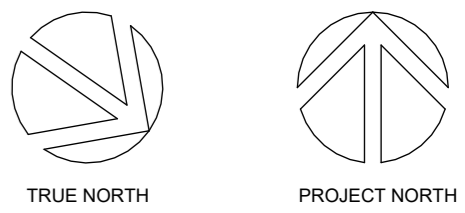
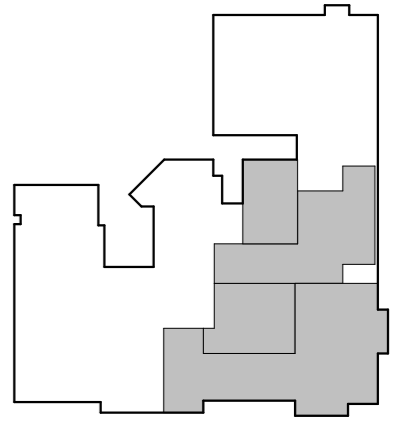
- THE CONTRACTOR SHALL COMPARE THIS REFLECTED CEILING PLAN WITH ELECTRICAL LIGHTING PLANS, MECHANICAL SUPPLY, RETURN, AND EXHAUST PLANS. THE CONTRACTOR SHALL REPORT ANY OMISSIONS OR INCONSISTENCIES TO THE ARCHITECT.
- SEE ELECTRICAL DRAWINGS FOR THE LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS, NURSE CALL, DOME LIGHTS EXIT SIGNAGE, FIRE ALARM DEVICES, WALL MOUNTED EXIT LIGHTS, ETC.
- COORDINATE GYPSUM BOARD FURR DOWN HEIGHTS WITH FULL HEIGHT CABINETS AND INTERIOR ELEVATIONS.
- SPRINKLER HEAD LOCATIONS ARE NOT SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS. REFER TO MECH DRAWINGS FOR ANY WORK RELATED TO FIRE PROTECTION SYSTEMS.
- 18" MINIMUM VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN THE BOTTOM OF EXTENDED SPRINKLER HEADS AND THE TOP OF ANY FILES, SHELVING, LOCKERS, ETC.
- THE CONTRACTOR SHALL VERIFY THAT ACCESS PANELS OF TYPE SPECIFIED ARE INSTALLED IN NON-ACCESSIBLE TYPE CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, OR ELECTRICAL ITEMS MAY BE REQUIRED. ACCESS PANELS SHALL BE THE FIRE RATED TYPE EQUAL TO THE RATING OF THE CEILING IN WHICH THEY OCCUR.
- WHERE EXISTING LAY-IN CEILINGS ARE TO REMAIN, THE CONTRACTOR SHALL REPLACE ANY TILE THAT HAS BEEN DAMAGED WITH MATERIALS THAT MATCH THE EXISTING FOR COLOR, TEXTURE, PATTERN, ETC.
- RELOCATE SUPPLY DRAIN AND VENT PIPES TO MAINTAIN SCHEDULED CEILING HEIGHTS. COORDINATE RELOCATIONS WITH MEP.
- LOAD BEARING STEEL STUD FOR CEILING FRAMING TO BE DESIGNED BY OTHERS.



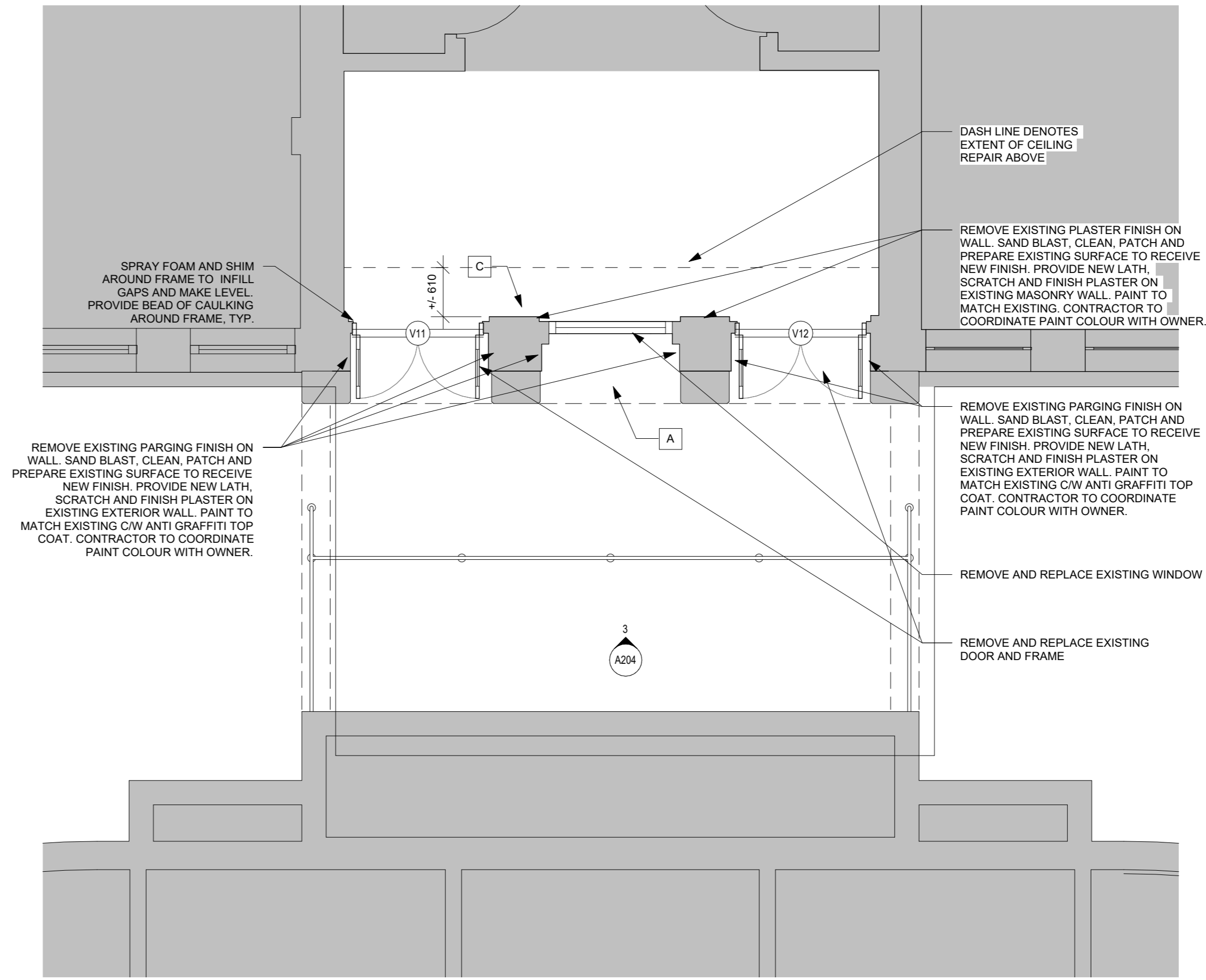
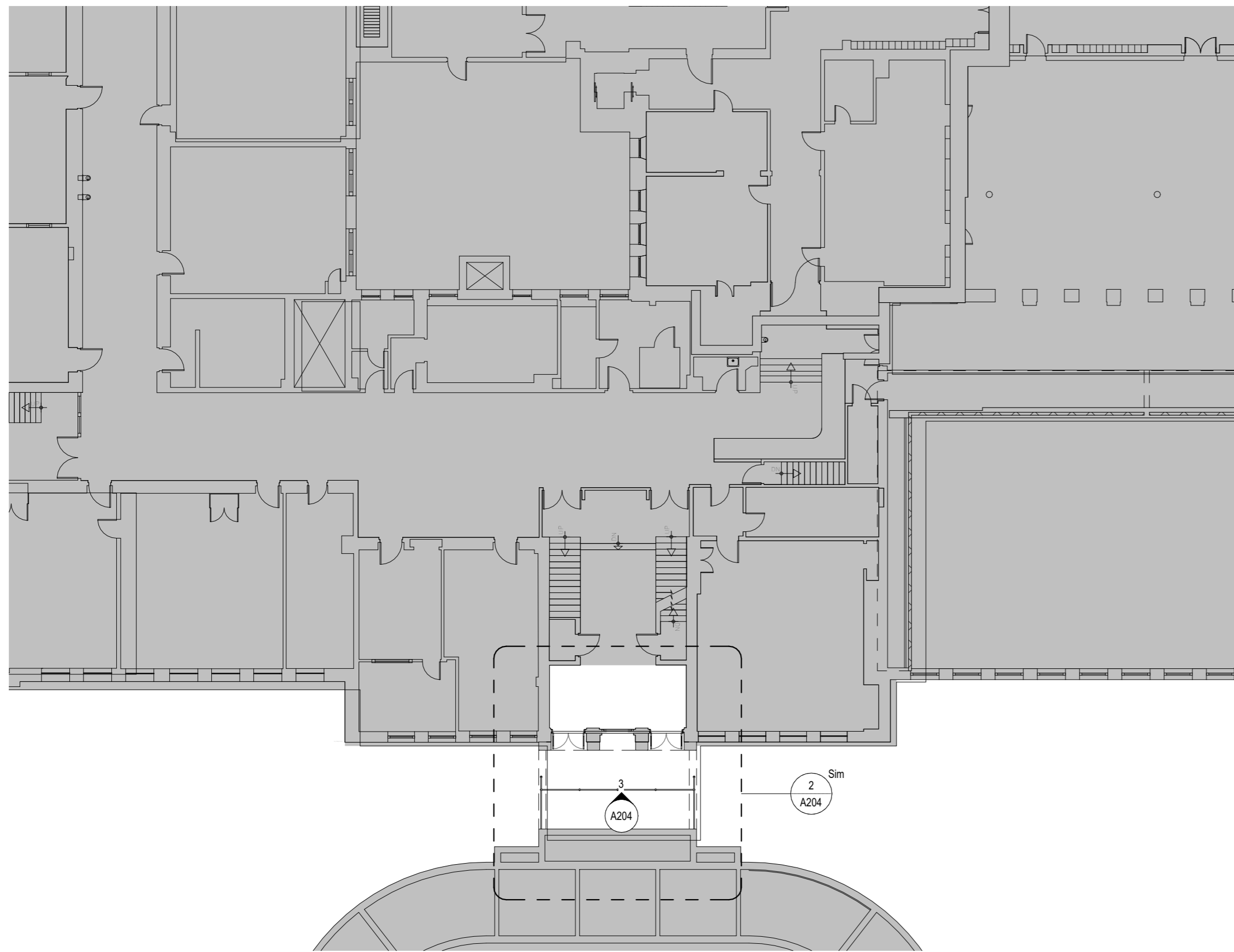
1 LOWER LEVEL 02 RCP RENO  
A203 Scale: 1:100



KEYPLAN

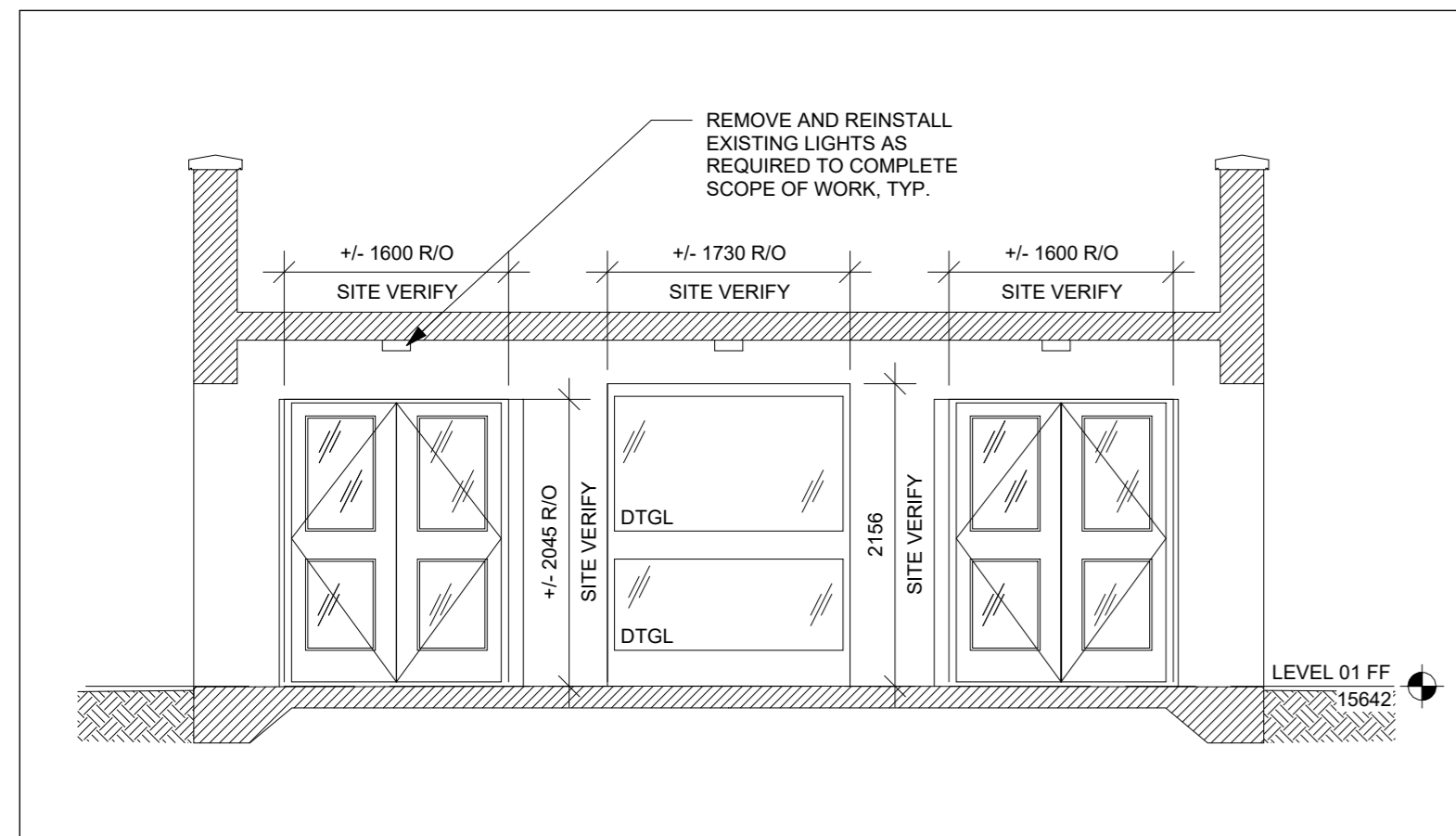


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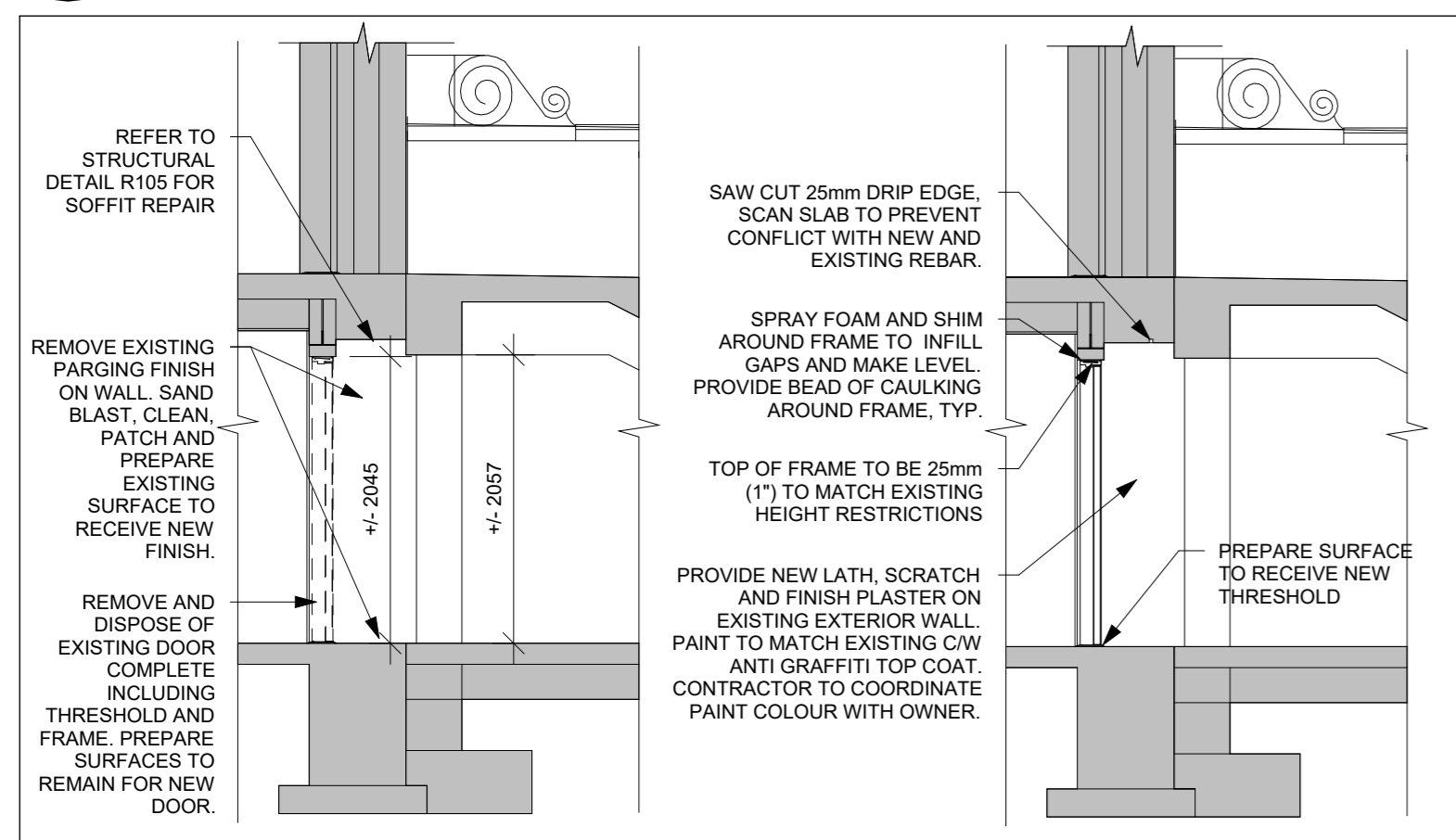


1 LEVEL 01 VESTIBULE RENOVATION PLAN  
A204 Scale: 1 : 200

2 L1 VESTIBULE ENLARGED PLAN  
A204 Scale: 1 : 50



3 PARTIAL LEVEL 01 VESTIBULE ELEVATION  
A204 Scale: 1 : 50

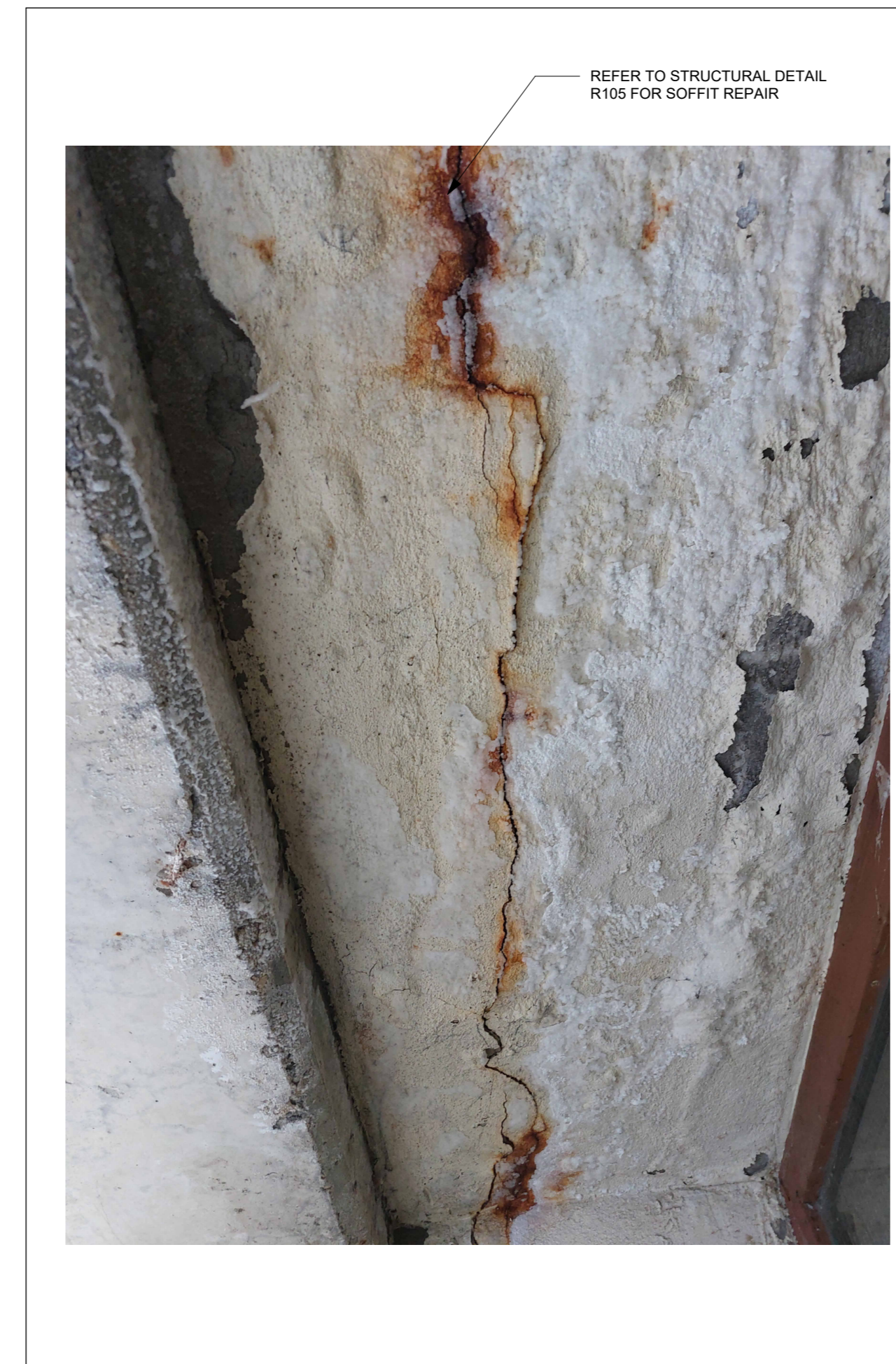


4 VESTIBULE DEMO SECTION  
A204 Scale: 1 : 50

5 VESTIBULE RENO SECTION  
A204 Scale: 1 : 50



6 IMAGE A  
A204 Scale: NTS



7 IMAGE B  
A204 Scale: NTS



8 IMAGE C  
A204 Scale: NTS

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT

KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION

787 King St W, Kitchener, ON N2G 2G5

TITLE

LEVEL 01 VESTIBULE RESTORATION WORK

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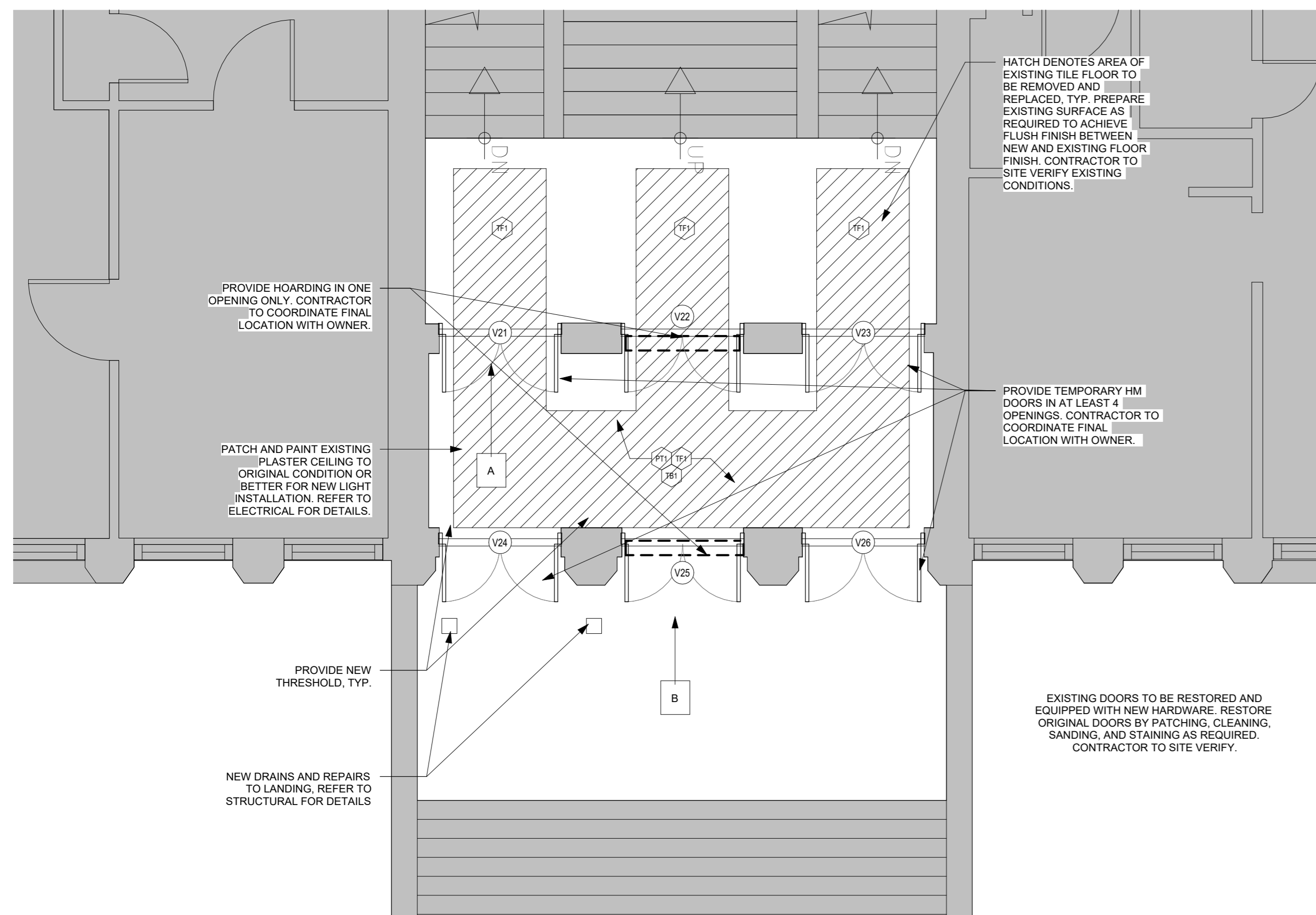
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DATE:	2026-03-09	<b>A204</b>
PROJECT NO:	2025-4029-10	
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CHECKED BY:	JK	



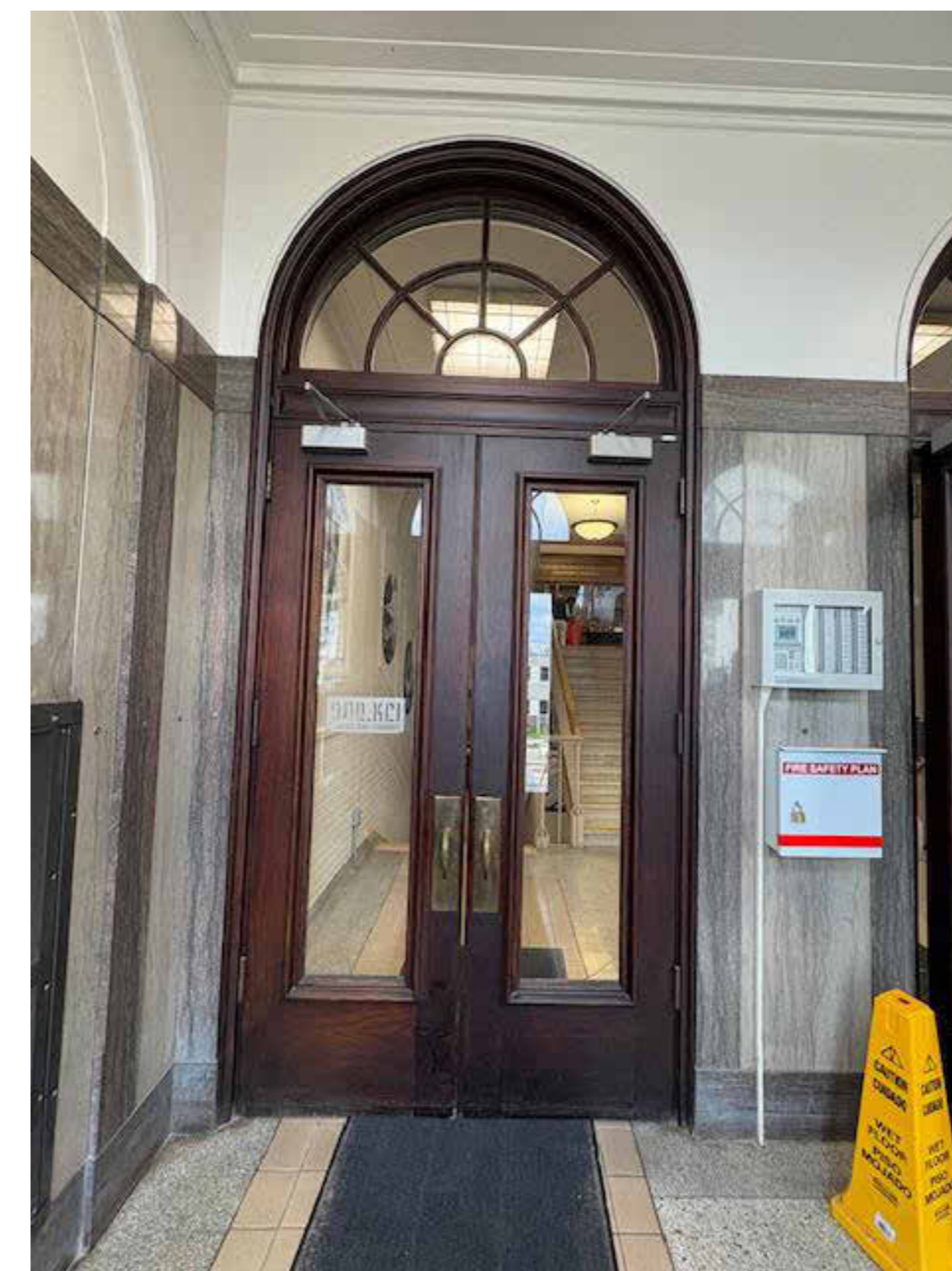
1 DOOR RESTORATION - PARTIAL ELEVATION  
A301 Scale: 1 : 100



2 DOOR RESTORATION - PARTIAL ENLARGED ELEVATION DETAIL  
A301 Scale: 1 : 25



3 DOOR RESTORATION KEY PLAN  
A301 Scale: 1 : 50



4 IMAGE A  
A301 Scale: 1 : 400

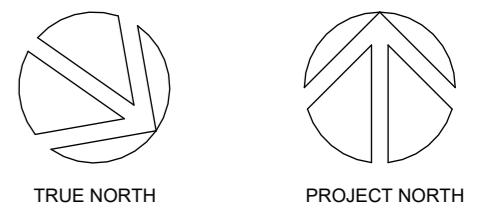
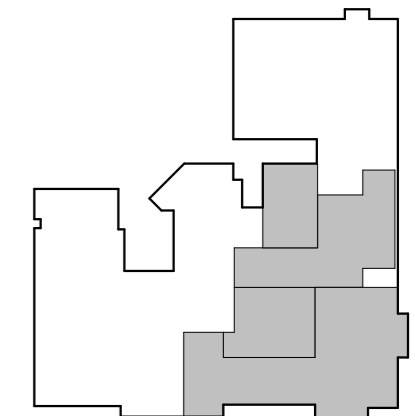


5 IMAGE B  
A301 Scale: 1 : 400

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KEYPLAN



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51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**

787 King St W, Kitchener, ON N2G 2G5

TITLE  
**PARITIAL SOUTH ELEVATION & DOOR RESTORATION WORK**

**WALTERFEDY**

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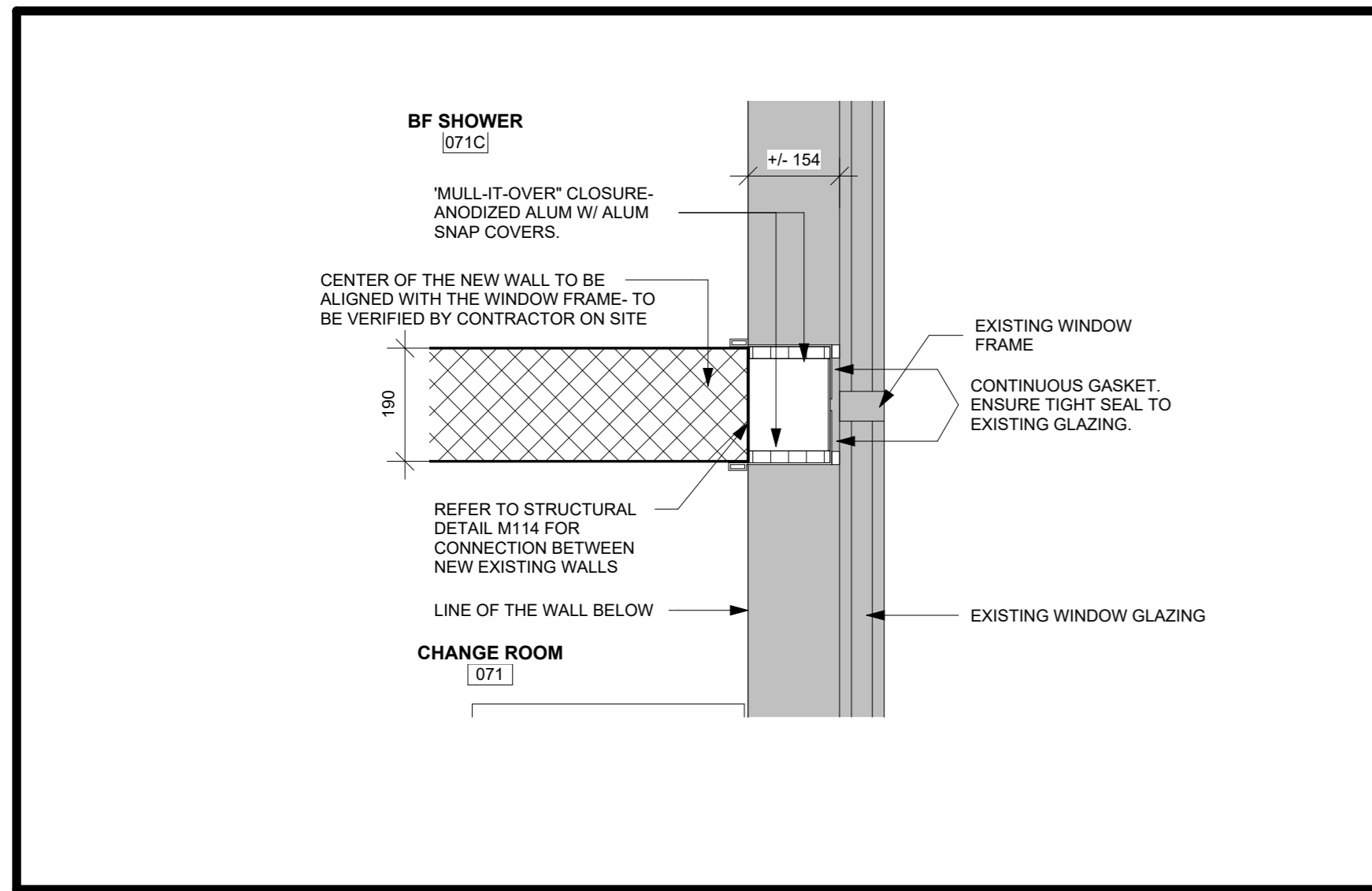
800.685.1378 walterfedy.com



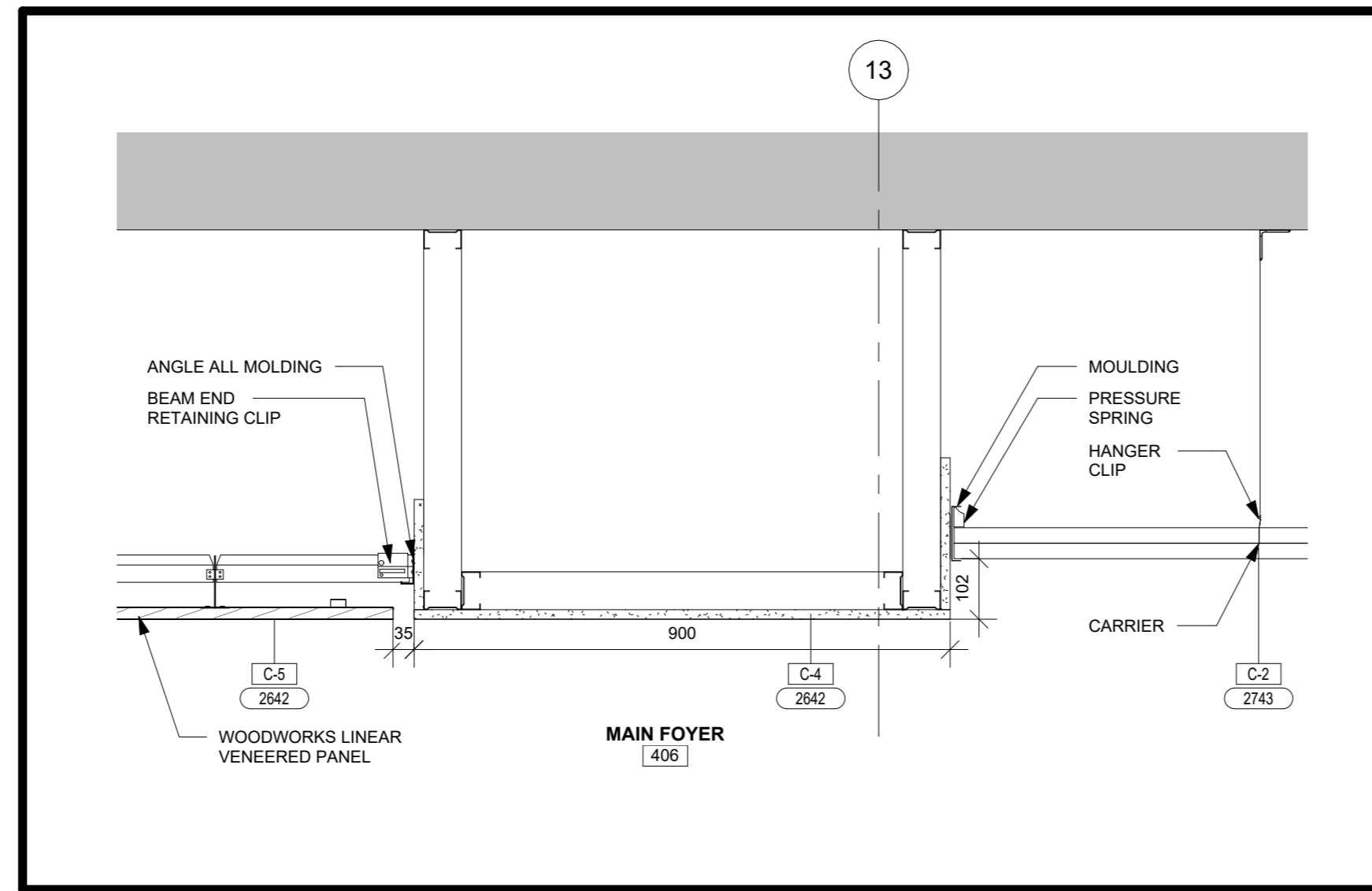
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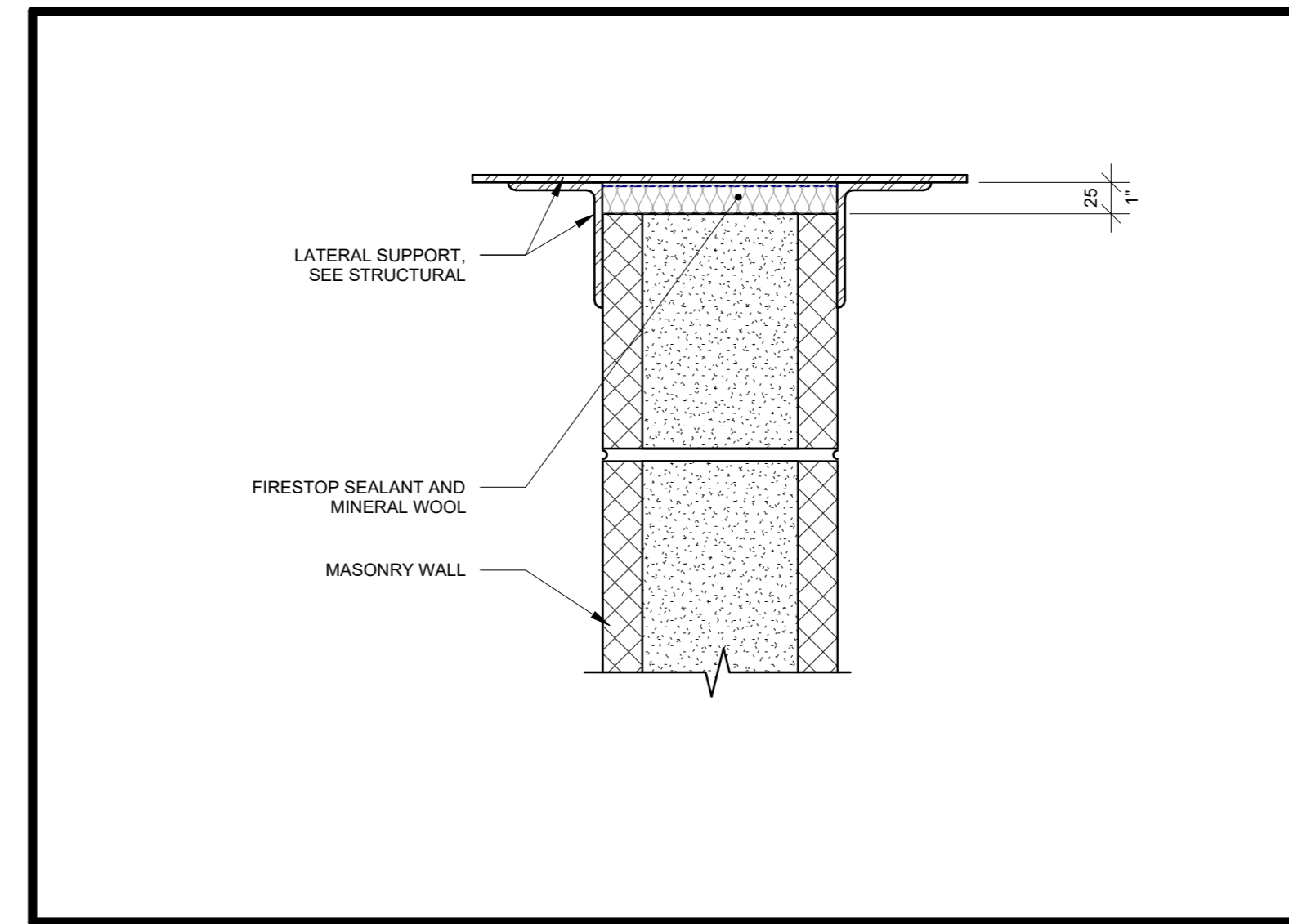
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DATE:	2026-03-09	<b>A301</b>
PROJECT NO:	2025-4029-10	
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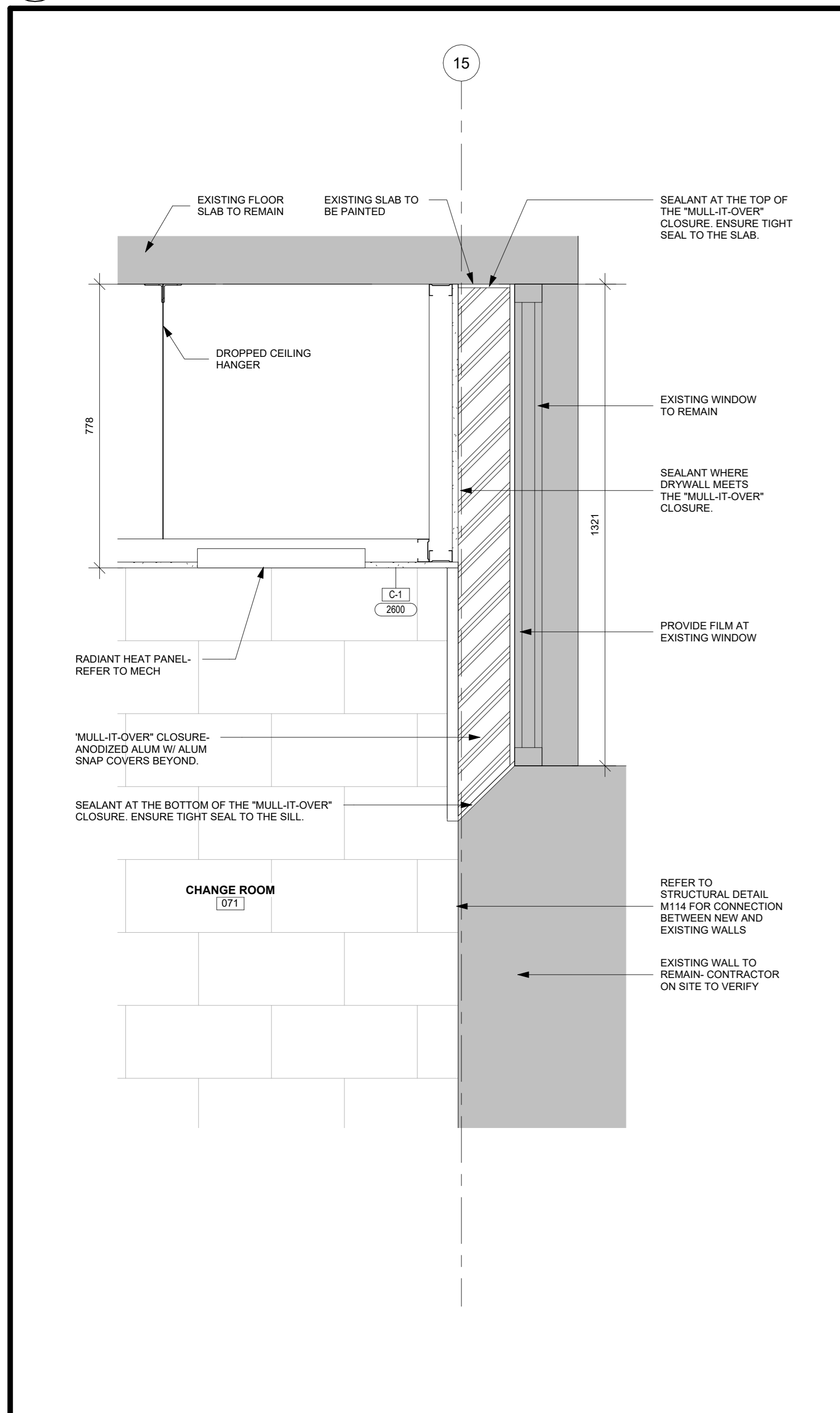
1 PLAN DETAIL AT WALL WINDOW CONNECTION  
A601 Scale: 1 : 10



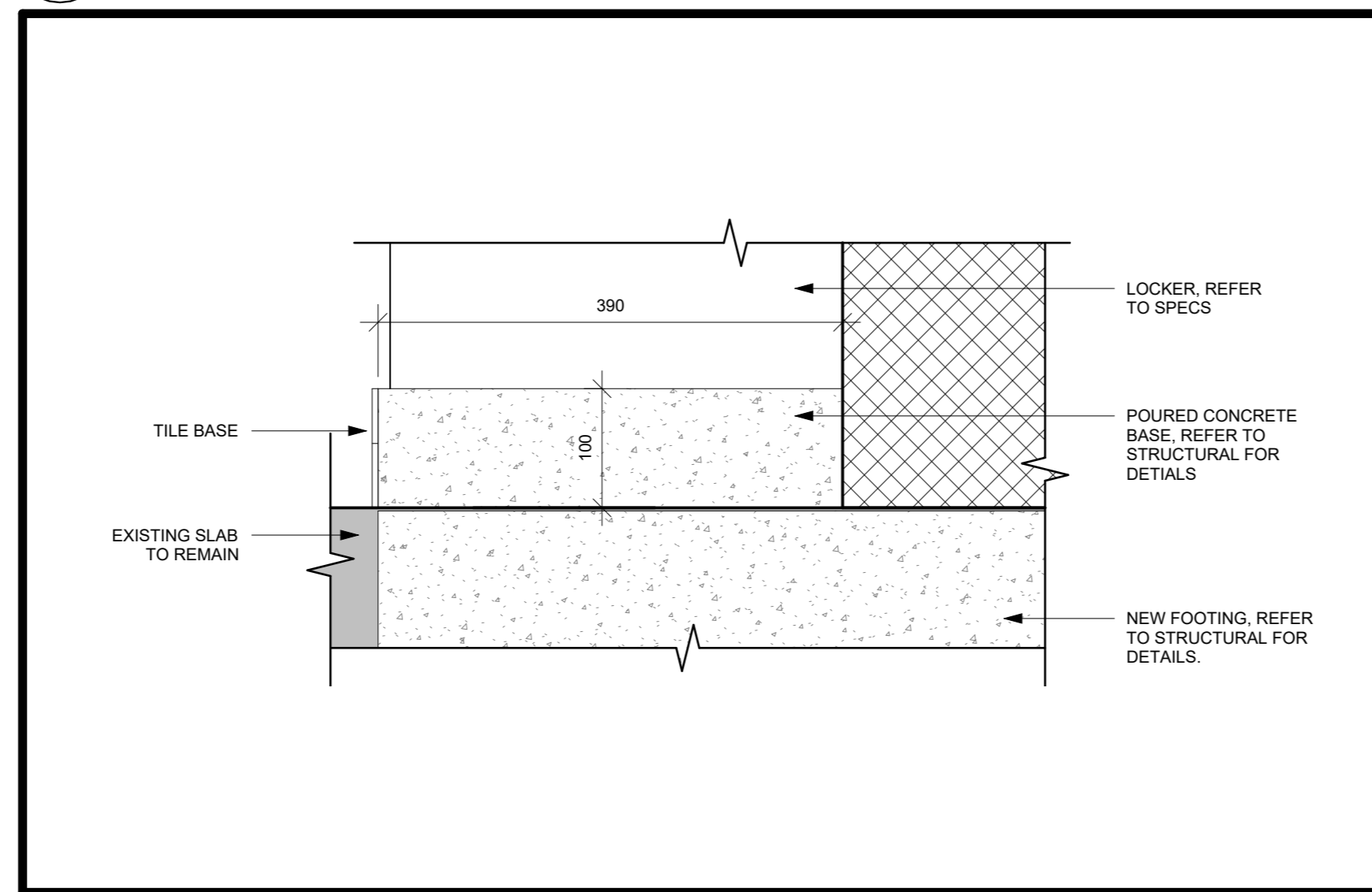
3 CEILINGS JUNCTIONS DETAIL AT MAIN FOYER  
A601 Scale: 1 : 10



4 TYP. NON LOAD BEARING MASONRY WALL AT EXISTING STRUCTURE  
A601 Scale: 1 : 5



2 WALL SECTION AT CHANGE ROOM  
A601 Scale: 1 : 10



5 TYPICAL LOCKER BASE  
A601 Scale: 1 : 5

CLIENT LOGO

KEYPLAN

TRUE NORTH PROJECT NORTH

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**WATERLOO REGION DISTRICT SCHOOL BOARD**  
51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT

**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
787 King St W, Kitchener, ON N2G 2G5

TITLE

**PLAN AND SECTION DETAILS**

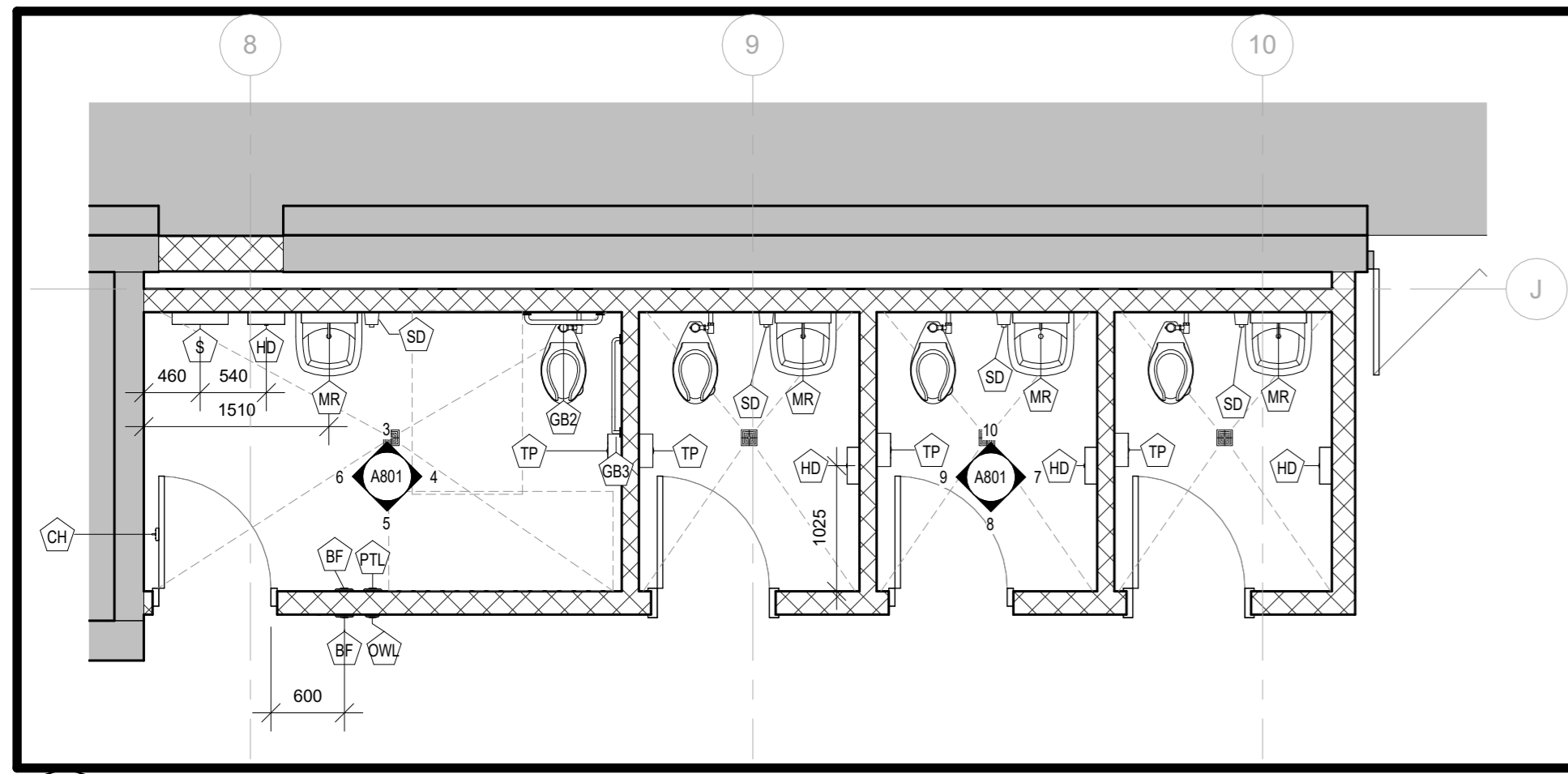
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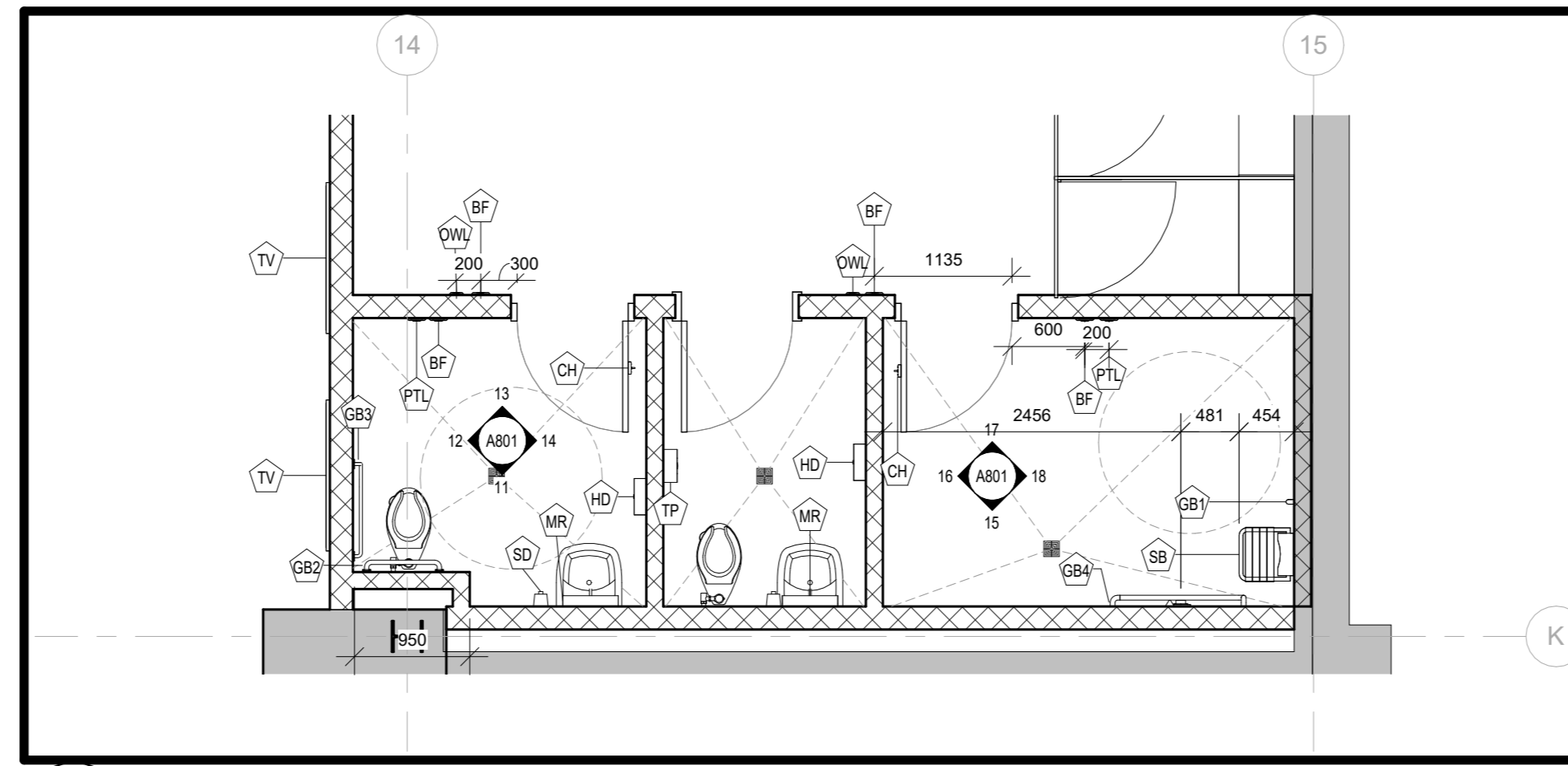
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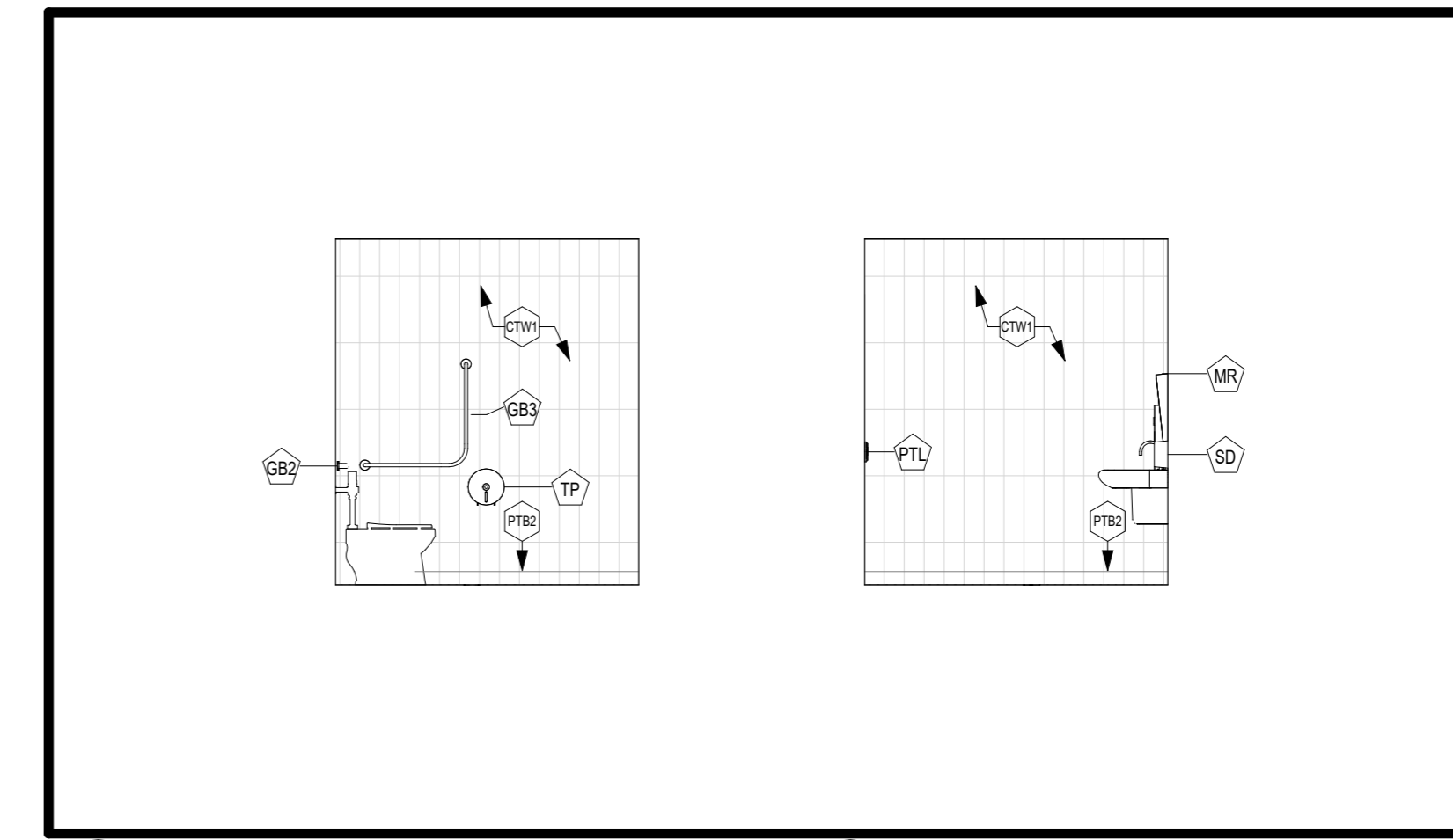
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DATE:	2026-03-09	<b>A601</b>
PROJECT NO:	2025-4029-10	
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1 SINGLE STALL WR CLUSTER ENLARGED FLOOR PLAN  
A801 Scale: 1:50

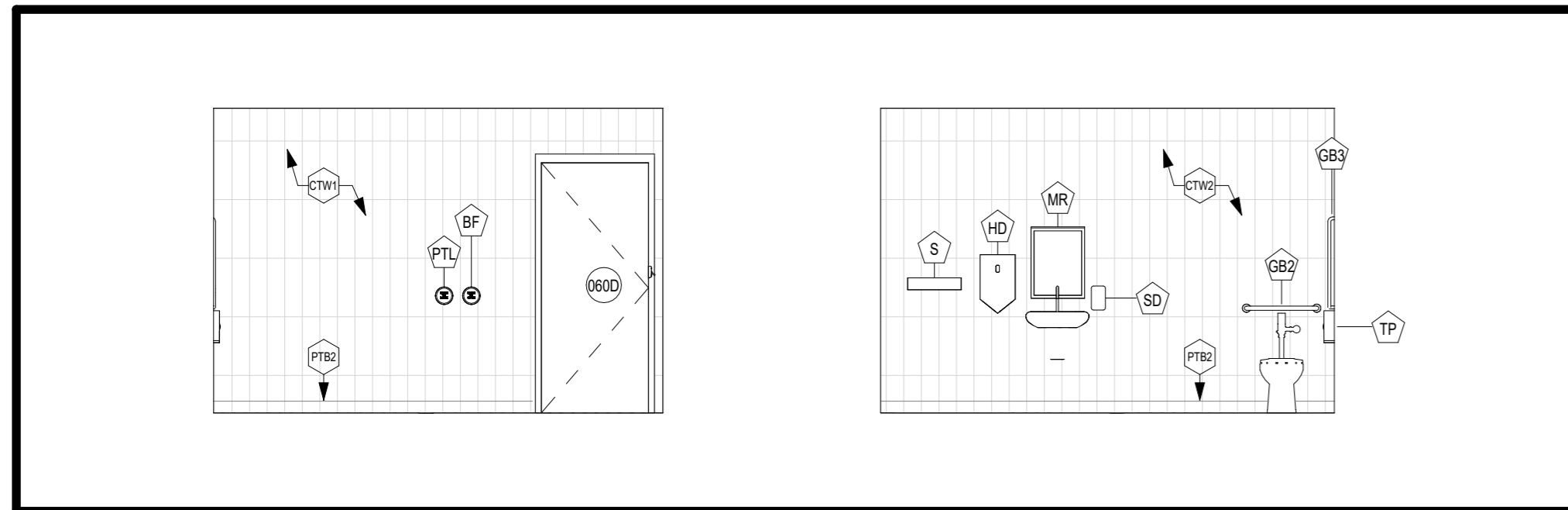


2 TYP CHANGE ROOM WASHROOM LAYOUT  
A801 Scale: 1:50



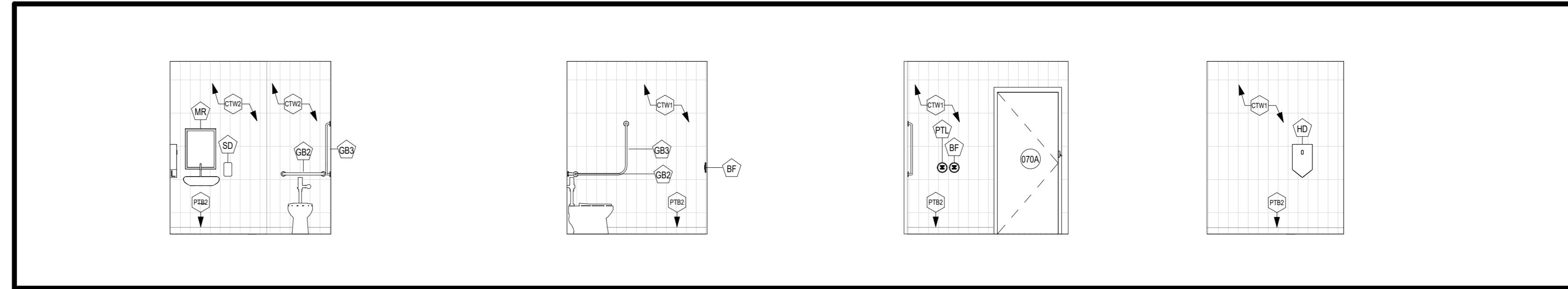
4 UNI WR. E INT ELEVATION  
A801 Scale: 1:50

6 UNI WR. W INT ELEVATION  
A801 Scale: 1:50



5 UNI WR. S INT ELEVATION  
A801 Scale: 1:50

3 UNI WR. N INT ELEVATION  
A801 Scale: 1:50

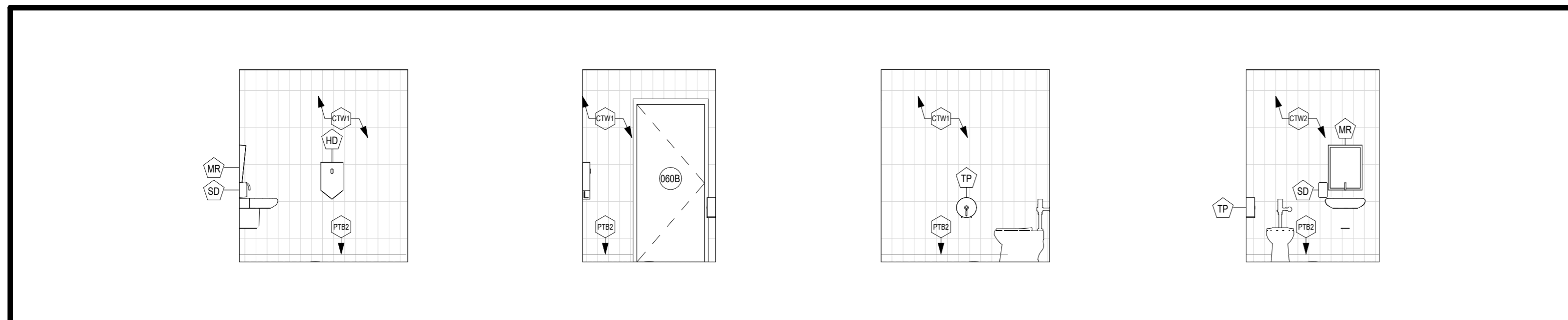


11 BF WR TYP. S INT ELEVATION  
A801 Scale: 1:50

12 BF WR TYP. W INT ELEVATION  
A801 Scale: 1:50

13 BF WR TYP. N INT ELEVATION  
A801 Scale: 1:50

14 BF WR TYP. E INT ELEVATION  
A801 Scale: 1:50

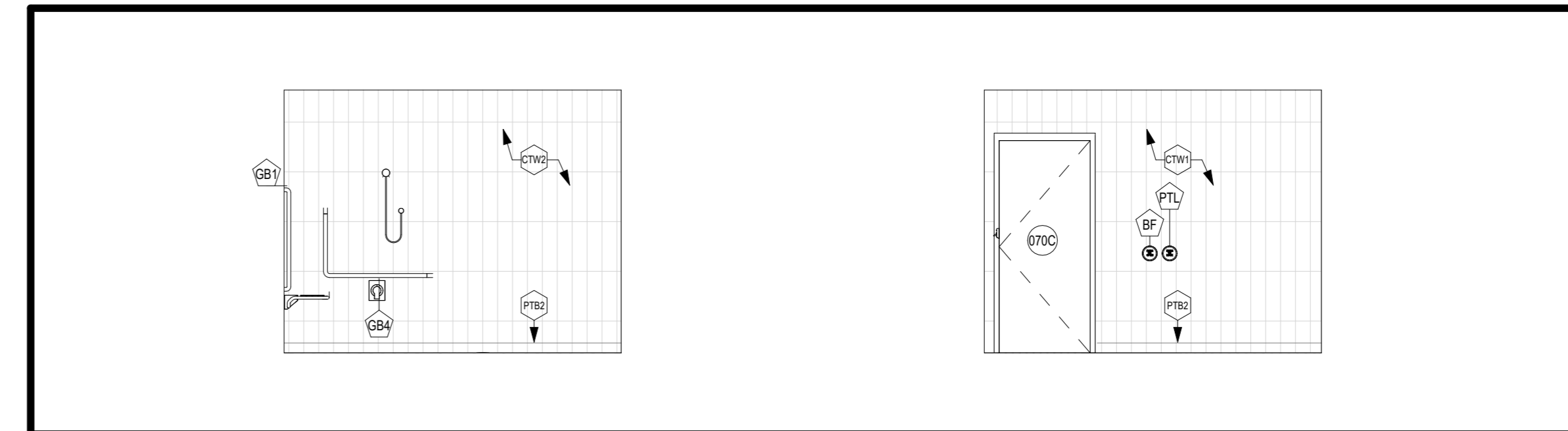


7 WR TYP. E INT ELEVATION  
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8 WR TYP. S INT ELEVATION  
A801 Scale: 1:50

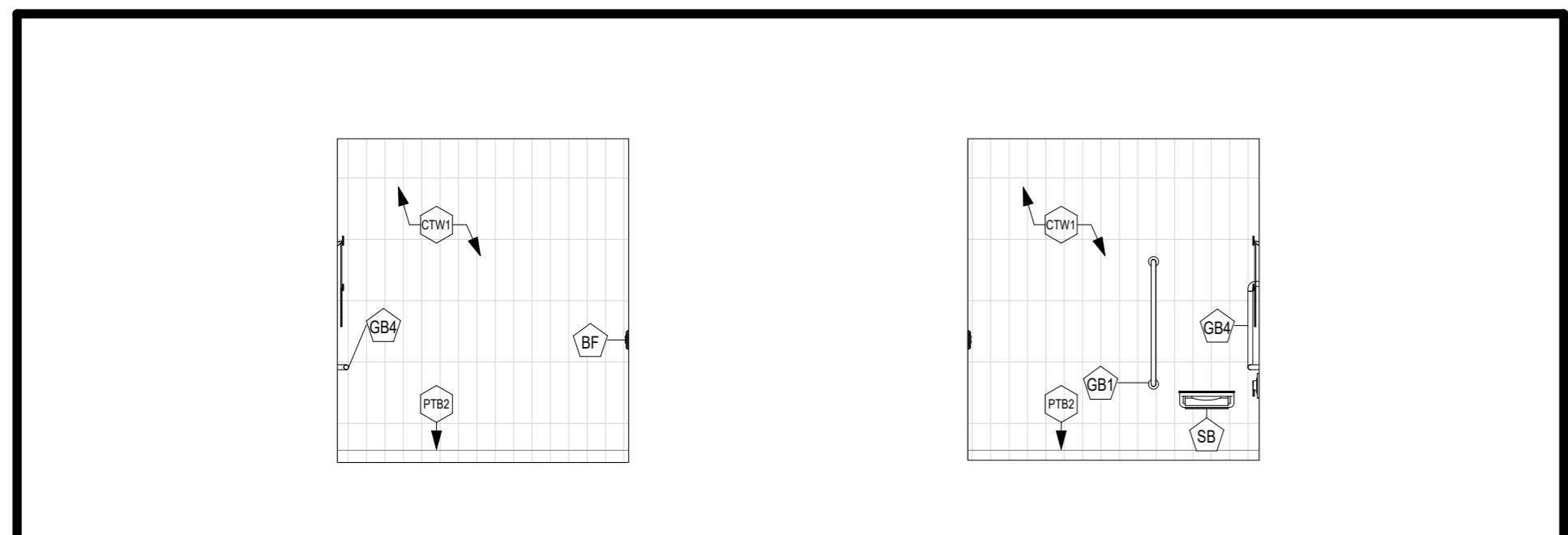
9 WR TYP. W INT ELEVATION  
A801 Scale: 1:50

10 WR TYP. N INT ELEVATION  
A801 Scale: 1:50



15 BF SHOWER TYP. S INT ELEVATION  
A801 Scale: 1:50

17 BF SHOWER TYP. N INT ELEVATION  
A801 Scale: 1:50



16 BF SHOWER TYP. W INT ELEVATION  
A801 Scale: 1:50

18 BF SHOWER TYP. E INT ELEVATION  
A801 Scale: 1:50

**FINISH LEGEND**

**TILING**

- PTF1 PORCELAIN TILE FLOOR
- PTB1 PORCELAIN TILE BASE
- PTF2 PORCELAIN TILE FLOOR
- PTB2 PORCELAIN TILE BASE
- CTW1 CERAMIC TILE WALL
- CTW2 CERAMIC TILE WALL

**RESILIENT FLOORING**

- SP1 SPORT FLOORING
- RB RUBBER BASE

**RESILIENT FLOORING**

- TF1 TERRAZZO FLOORING
- TFB1 TERRAZZO BASE
- TS DENOTES FLOORING TRANSITION STRIP

**PAINTS & COATING**

- PF0 MATCH TO EXISTING
- PF1 MAIN FIELD PAINT
- PF2 HM DOORS AND FRAMES
- PF3 CEILING PAINT
- PF4 RESERVED

**ARCHITECTURAL WOODWORK**

- WF1 SOLID WOOD
- WF2 SOLID WOOD
- PL1 PLASTIC LAMINATE

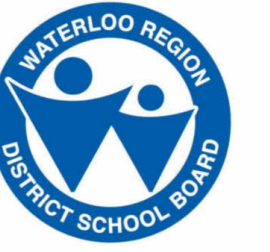
**WINDOW FILMS**

- FLM1 WINDOW FILM, REFER TO FINISH SCHEDULE

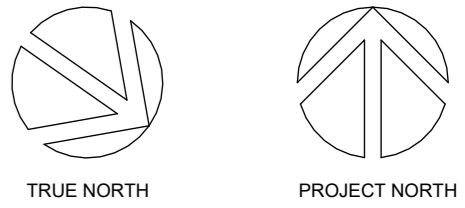
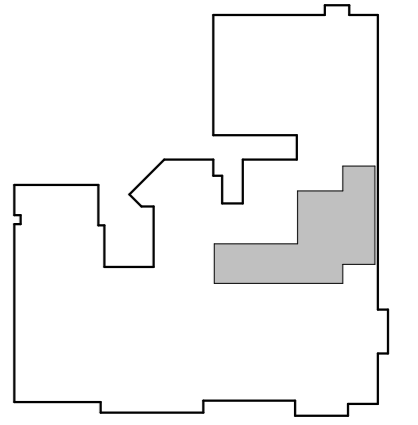
**Accessory Schedule**

Type Mark	Description	Count
BF	Barrier Free Push Button	10
CH	Coat Hook	3
GB1	Grab Bar(1000mm)	2
GB2	Grab Bar (610mm)	3
GB3	Grab Bar (750x750mm)	3
GB4	Grab Bar(1000x750mm)	2
HD	Hand Dryer	8
MR	Mirror	8
OWL	Occupied When Lit Button	3
PTL	Push to Lock Button	5
S	Shelf (Stainless Steel)	1
SB	Shower Bench	2
SD	Soap Dispenser	8
TP	Toilet Paper Dispenser	7
TV	Television	2

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**WATERLOO REGION DISTRICT SCHOOL BOARD**

51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT

**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**

787 King St W, Kitchener, ON N2G 2G5

TITLE

**ENLARGED PLANS AND INTERIOR ELEVATIONS**

**WALTERFEDY**

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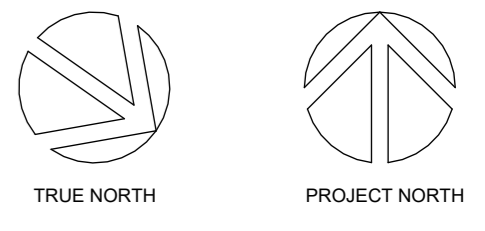
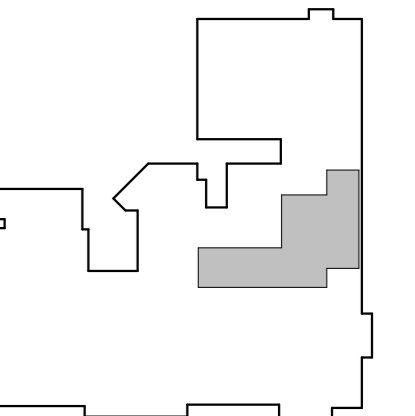
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CHECKED BY:	JK	



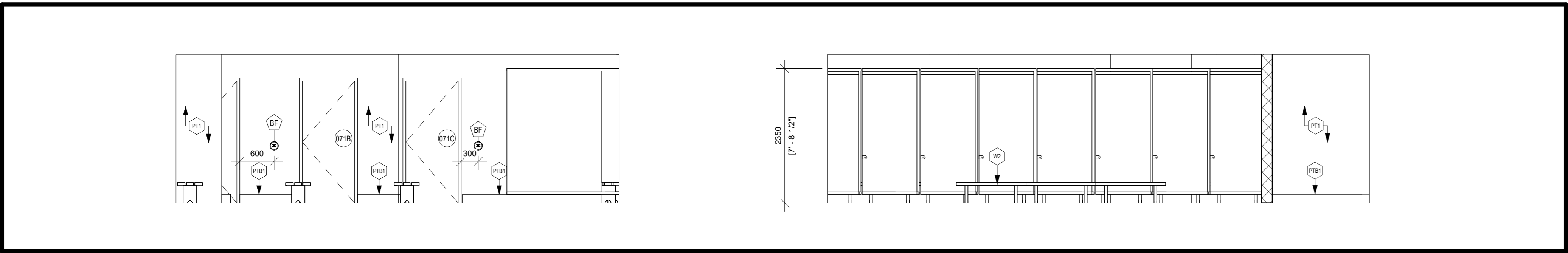
KEYPLAN



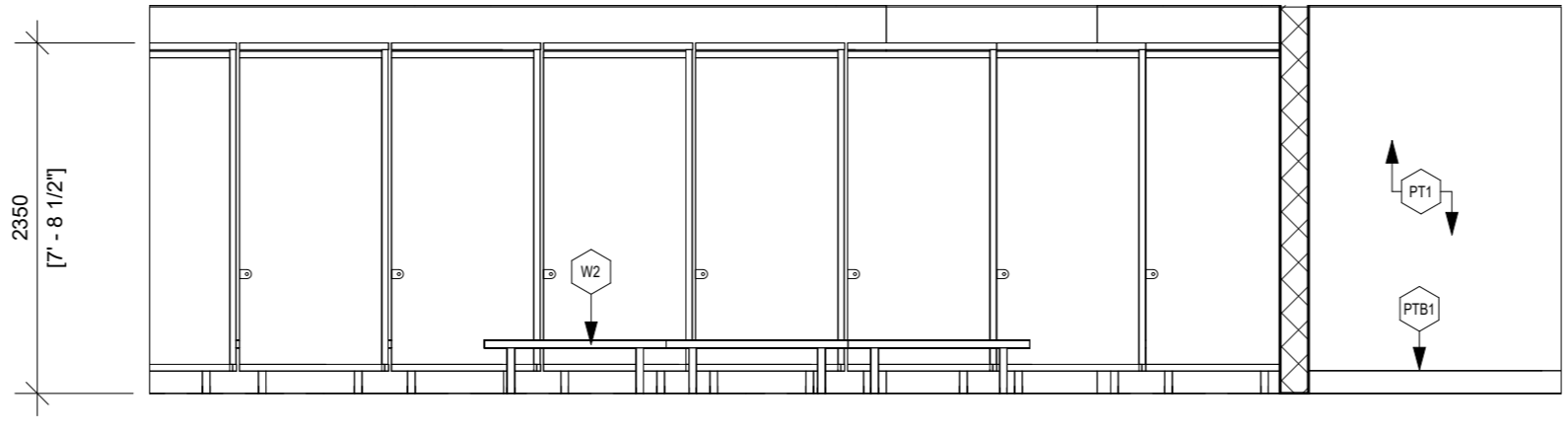
No.	ISSUANCE	DATE
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2	ISSUED FOR 100% CD	2026-03-05
3	ISSUED FOR BID AND PERMIT	2026-04-02



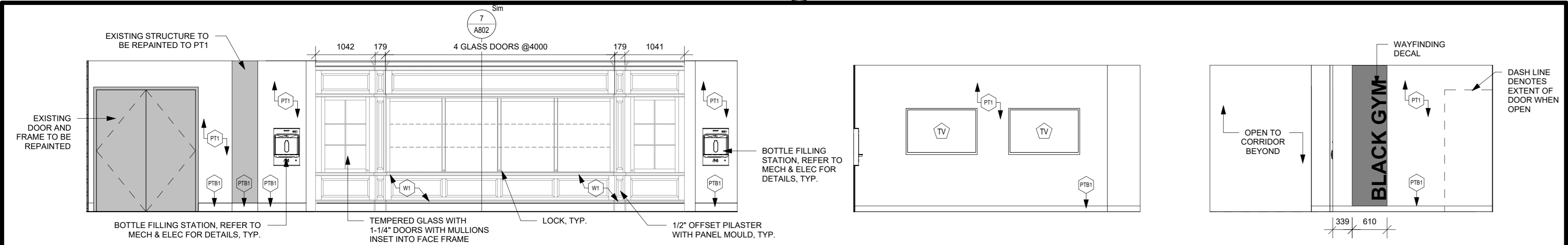
1 CHANGE ROOM TYP. W INT ELEVATION  
A802 Scale: 1 : 50



2 CHANGEROOM TYP. N INT ELEVATION  
A802 Scale: 1 : 50



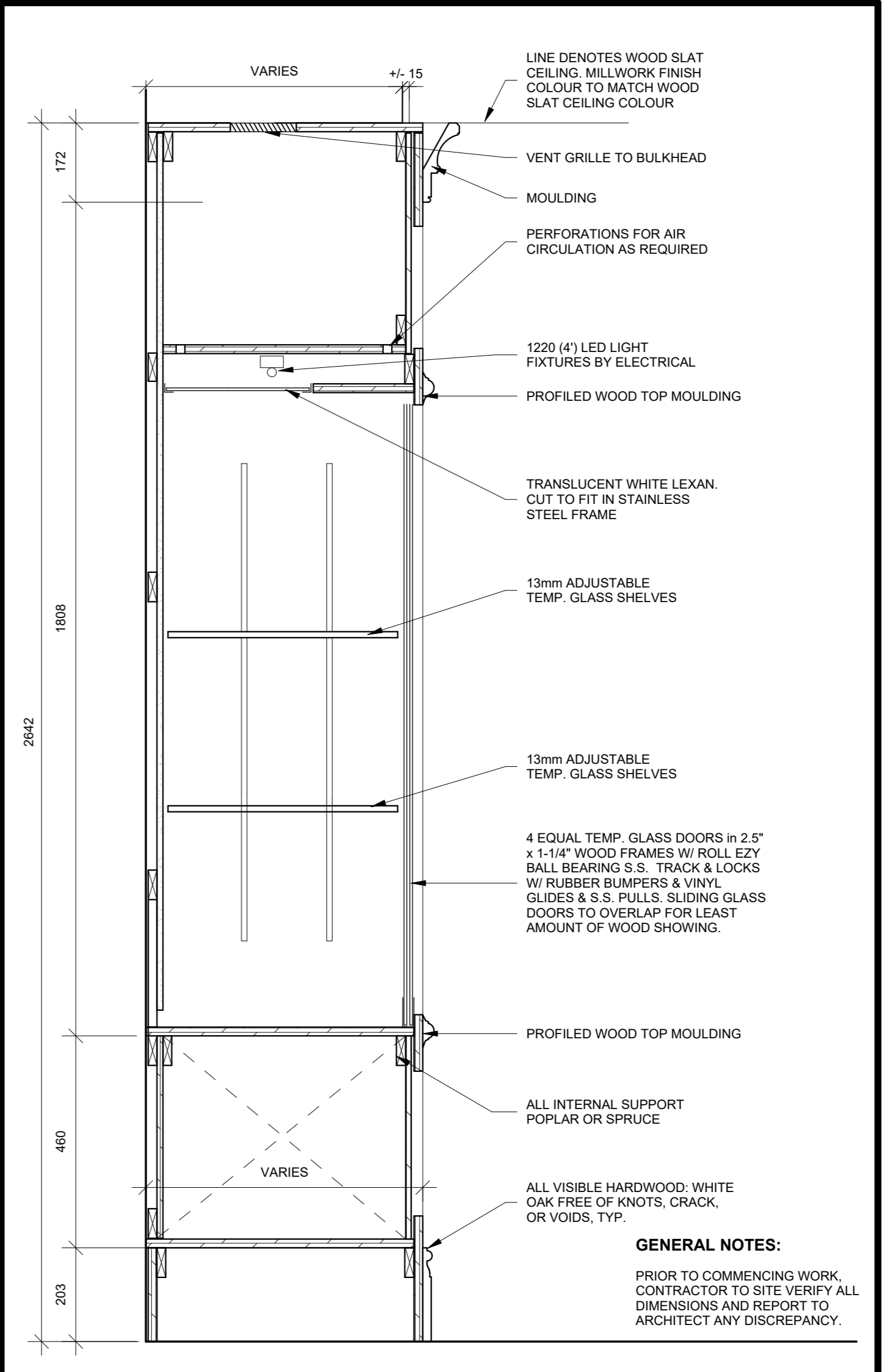
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A802 Scale: 1 : 50



4 MAIN FOYER N INT ELEVATION  
A802 Scale: 1 : 50

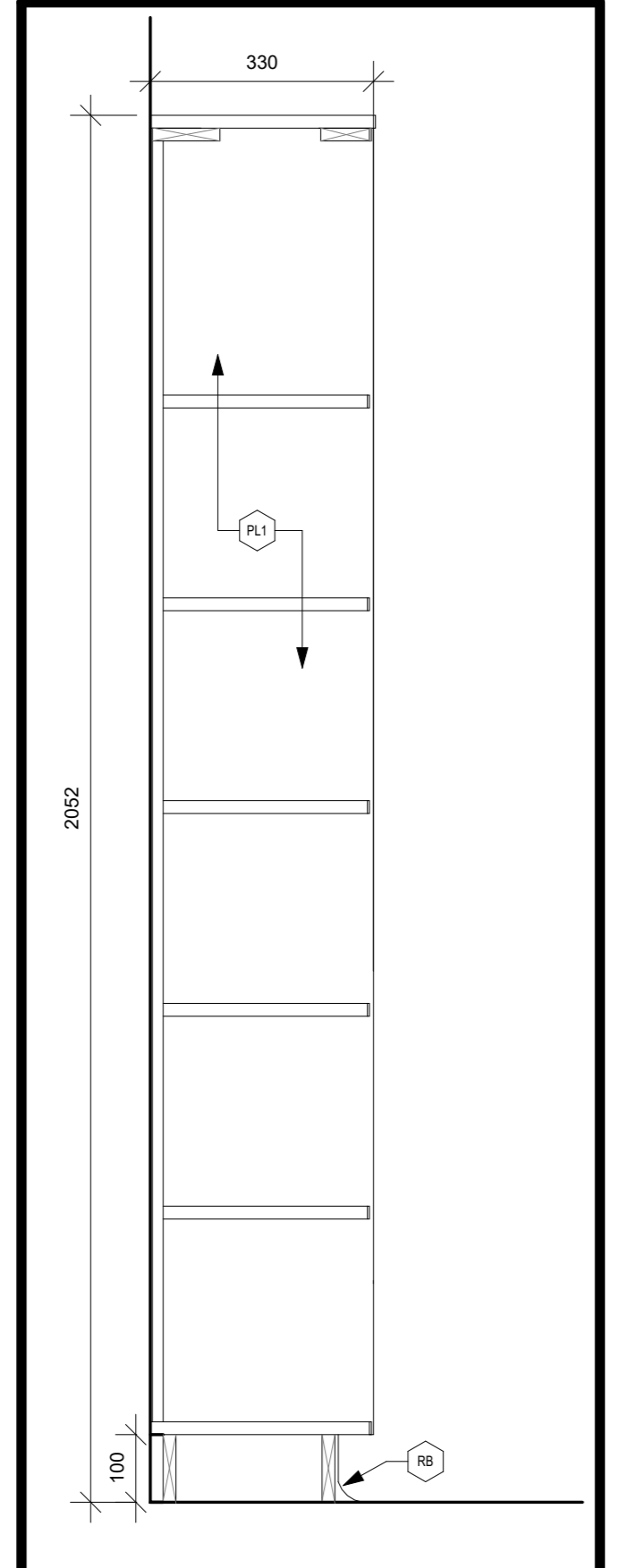
5 MAIN FOYER E INT ELEVATION  
A802 Scale: 1 : 50

6 MAIN FOYER W PARTIAL INT ELEVATION  
A802 Scale: 1 : 50

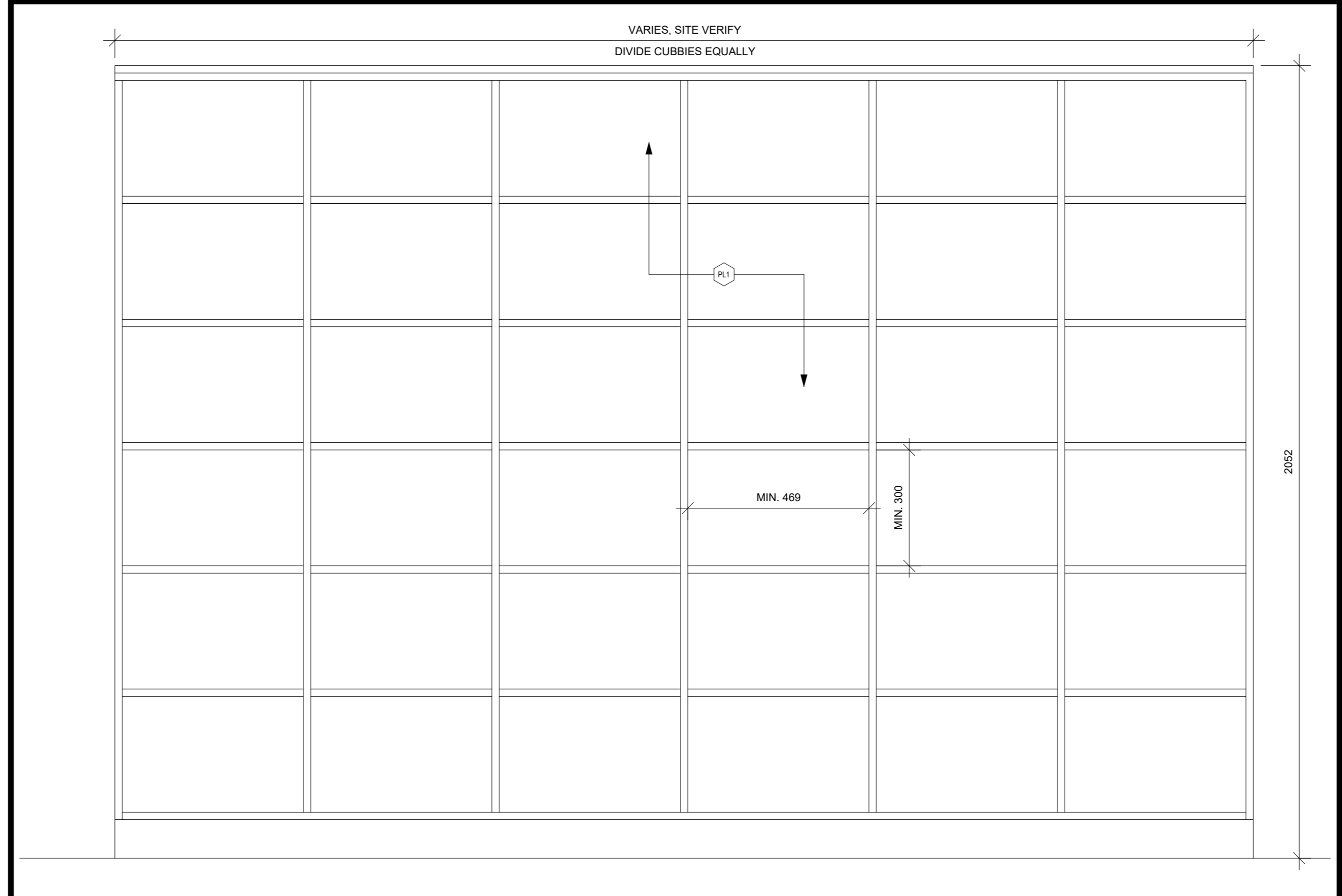


7 DISPLAY CABINET SECTION  
A802 Scale: 1 : 10

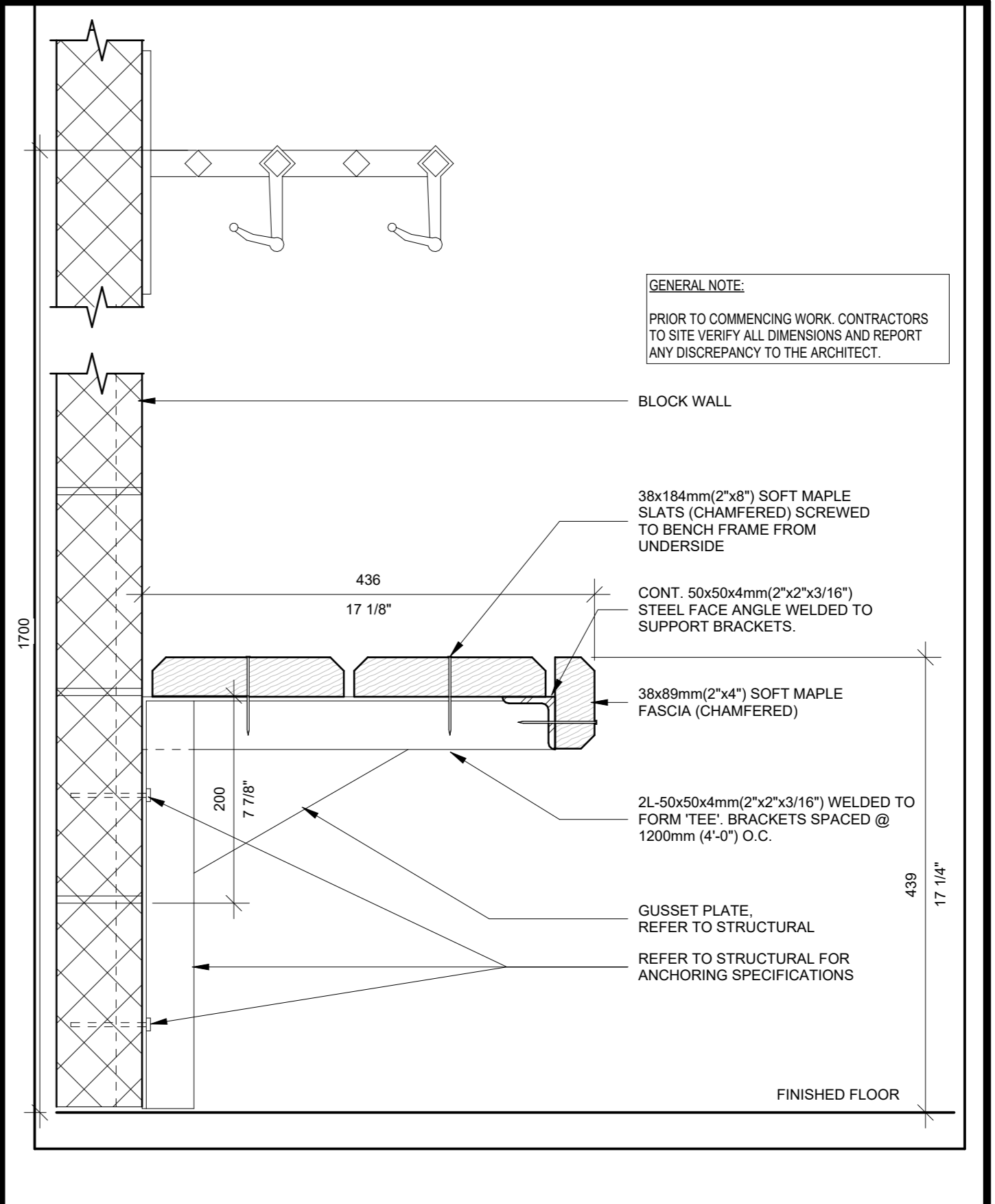
- FINISH LEGEND**
- TILING**
- PTF1 PORCELAIN TILE FLOOR
  - PTFB1 PORCELAIN TILE BASE
  - PTF2 PORCELAIN TILE FLOOR
  - PTFB2 PORCELAIN TILE BASE
  - CTW1 CERAMIC TILE WALL
  - CTW2 CERAMIC TILE WALL
  - CTW3 CERAMIC TILE WALL
- RESILIENT FLOORING**
- SF1 SPORT FLOORING
  - RB RUBBER BASE
- RESILIENT FLOORING**
- TF1 TERRAZZO FLOORING
  - TFB1 TERRAZZO BASE
- DT DENOTES FLOORING TRANSITION STRIP
- PAINTS & COATING**
- PKX MATCH TO EXISTING
  - PT1 MAIN FIELD PAINT
  - PT2 HM DOORS AND FRAMES
  - PT3 CEILING PAINT
  - PIA RESERVED
- ARCHITECTURAL WOODWORK**
- W1 SOLID WOOD
  - W2 SOLID WOOD
  - PL1 PLASTIC LAMINATE
- WINDOW FILMS**
- FLM1 WINDOW FILM. REFER TO FINISH SCHEDULE



8 TYPICAL CUBBY SECTION  
A802 Scale: 1 : 10



9 TYPICAL CUBBY ELEVATION  
A802 Scale: 1 : 10



10 TYPICAL WOOD BENCH DETAIL  
A802 Scale: 1 : 5

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787 King St W, Kitchener, ON N2G 2G5

TITLE  
**INTERIOR ELEVATIONS AND MILLWORK DETAILS**

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PROJECT NO:	2025-4029-10	
DRAWN BY:	SM	
CHECKED BY:	JK	

**DOOR & SCREEN SCHEDULE - with Legend**

REFER TO TYPICAL DETAILS FOR DOOR TYPE ELEVATIONS, FRAMES AND DETAILS

Mark	Door Size	WxHxT	Door/Screen				Frame				Hardware				Rating		Notes
			Type / Elev	Material	Finish	Glazing	Type / Elev	Profile	Material	Finish	ULC	Closer	Threshold	Weather Strip	Fire Rating	Temp. Rise	
LOWER LEVEL 02 FF																	
060A	915x2134x45		A	HM	PNT	-	A	DF2	HM	PNT							10
060B	915x2134x45		A	HM	PNT	-	A	DF2	HM	PNT							10
060C	915x2134x45		A	HM	PNT	-	A	DF2	HM	PNT							10
060D	915x2134x45		A	HM	PNT	-	A	DF2	HM	PNT							1.2
062	2495x2134x45		A	HM	PNT	-	B	DF2	HM	PNT							16
070	915x2134x45		A	HM	PNT	-	YES - 20" x 16"	A	DF2	HM	PNT						16
070A	915x2134x45		A	HM	PNT	-	A	DF2	HM	PNT							1.2
070B	915x2134x45		A	HM	PNT	-	A	DF2	HM	PNT							10
070C	915x2134x45		A	HM	PNT	-	A	DF2	HM	PNT							1.2
071	915x2134x45		A	HM	PNT	-	A	DF2	HM	PNT							16
071A	915x2134x45		A	HM	PNT	-	YES - 20" x 16"	A	DF2	HM	PNT						1.2
071B	915x2134x45		A	HM	PNT	-	A	DF2	HM	PNT							10
071C	915x2134x45		A	HM	PNT	-	A	DF2	HM	PNT							1.2
LEVEL 01 FF																	
V11	2762x2020x45		G	AL	ANO	DTGL		B	EX	AL	JANO	Yes	Yes	Yes	Yes		DOOR SIZE TO MATCH EXISTING SITE VERIFY EXISTING CONDITIONS - TOP OF FRAME TO BE 25mm (1") WIDE
V12	2762x2020x45		G	AL	ANO	DTGL		B	EX	AL	JANO	Yes	Yes	Yes	Yes		DOOR SIZE TO MATCH EXISTING SITE VERIFY EXISTING CONDITIONS - TOP OF FRAME TO BE 25mm (1") WIDE
LEVEL 02 FF																	
V21	2760x2413x45		EX	EX	S&V	EX		EX	EX	EX	S&V	Yes					SITE VERIFY DOOR DIMENSIONS
V22	2760x2413x45		EX	EX	S&V	EX		EX	EX	EX	S&V	Yes					SITE VERIFY DOOR DIMENSIONS
V23	2760x2413x45		EX	EX	S&V	EX		EX	EX	EX	S&V	Yes					SITE VERIFY DOOR DIMENSIONS
V24	2760x2413x45		EX	EX	S&V	EX		EX	EX	EX	S&V	Yes		Yes	Yes		SITE VERIFY DOOR DIMENSIONS
V25	2760x2413x45		EX	EX	S&V	EX		EX	EX	EX	S&V	Yes		Yes	Yes		SITE VERIFY DOOR DIMENSIONS
V26	2760x2413x45		EX	EX	S&V	EX		EX	EX	EX	S&V	Yes		Yes	Yes		SITE VERIFY DOOR DIMENSIONS
Grand total: 21																	

**DOOR HARDWARE (REF. DOOR SCHEDULE)**

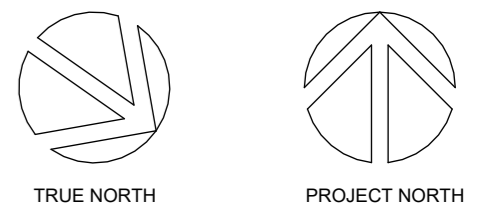
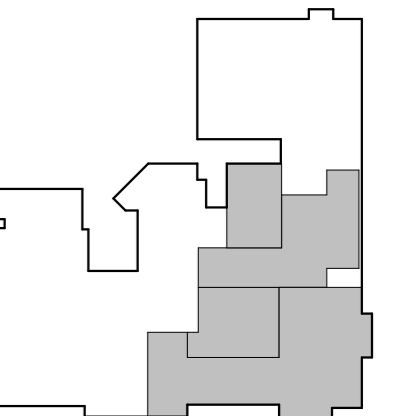
**NOTES**

- PDO - POWER DOOR OPERATOR
  - PTL - PUSH TO LOCK
  - UNDERCUT
  - STOREROOM LOCKSET
  - STAINLESS STEEL 48" PULL
  - EXIT LOCKSET
  - PASSAGE LOCKSET
  - MIN. FOUR (4) BUTT HINGES
  - 12 GAUGE STAINLESS STEEL KICK PLATE
  - PRIVACY LOCKSET
  - STAINLESS STEEL DOOR PULL
  - ULC DOOR CLOSER
  - SMOKE SEAL
  - FLOOR STOP
  - WALL STOP
  - CLASSROOM LOCKSET
- SHOULD A PROPONENT (GENERAL CONTRACTOR) FIND A DISCREPANCY BETWEEN THE DOOR, FRAME, AND HARDWARE SCHEDULES AND THE DRAWING PLANS, THE CONTRACTOR SHALL REPORT THE DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK, OR THE CONTRACTOR SHALL BE DEEMED LIABLE FOR THE COST INCURRED TO SUPPLY THE DOOR, FRAME AND HARDWARE.
  - ANY DOOR, FRAMES AND HARDWARE QUERIES SHALL BE IDENTIFIED DURING THE TENDERING PROCESS OR WILL BE ASSUMED INCLUDED IN THE CONTRACTORS TENDER QUOTATION.
  - DOORS, FRAMES, HARDWARE, AND GLAZING LOCATED WITHIN A FIRE SEPARATION OR WALLS REQUIRED TO HAVE A FIRE RATING, AS SHOWN ON THE DRAWING PLANS, SHALL BE ASSUMED TO BE FIRE RATED. MEETING REQUIREMENTS FOR DOORS FRAMES, HARDWARE, AND GLAZING TO MATCH THE ASSEMBLIES REQUIRED FIRE RESISTANCE RATING.
  - FOR DETERMINING FRAME PROFILE WIDTHS REFER TO THE DRAWING PLANS AND THE OVERALL WALL THICKNESS, AS SHOWN ON THE WALL TYPE SCHEDULE.

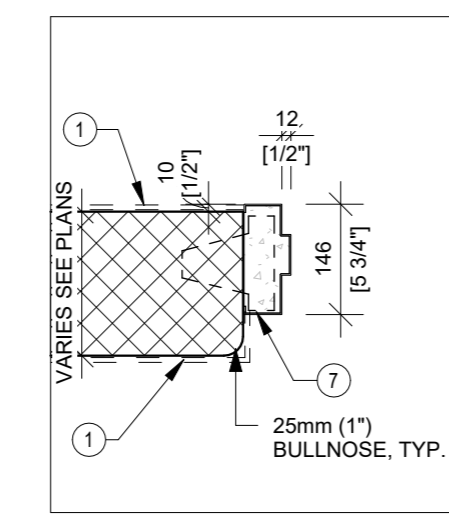
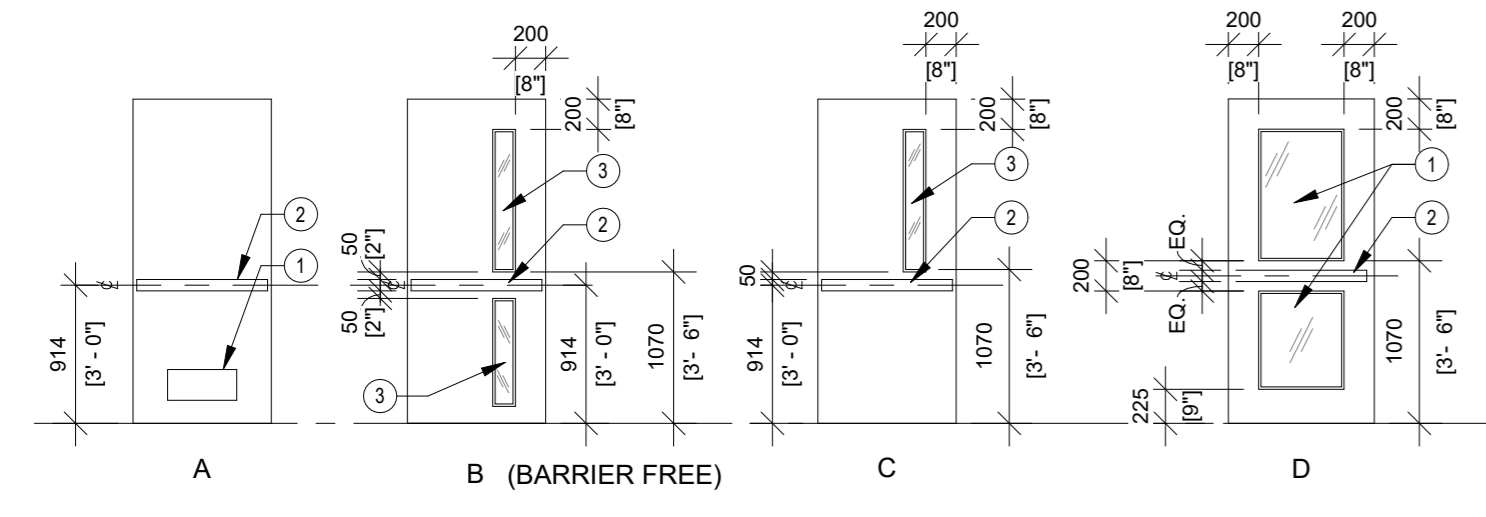
CLIENT LOGO



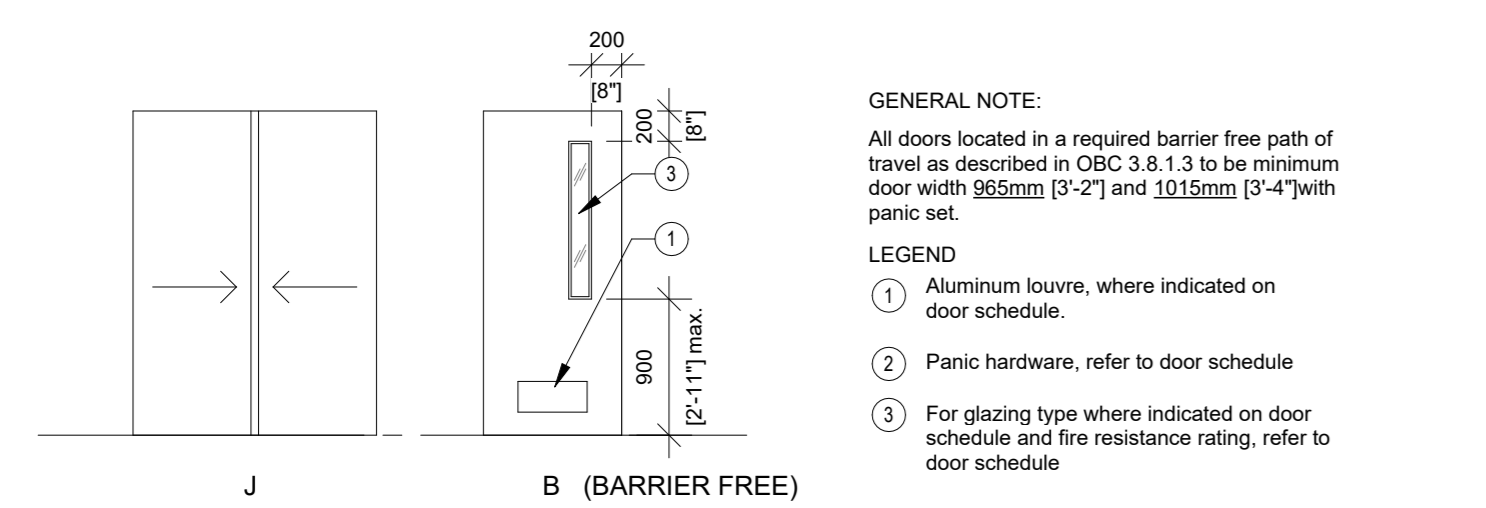
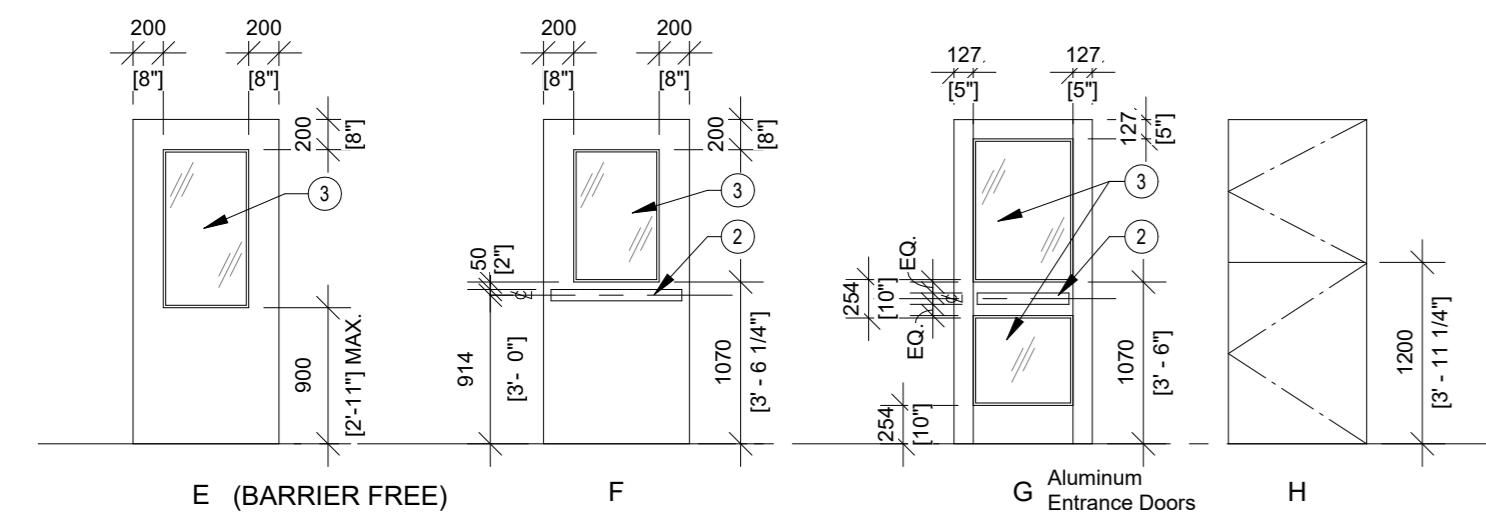
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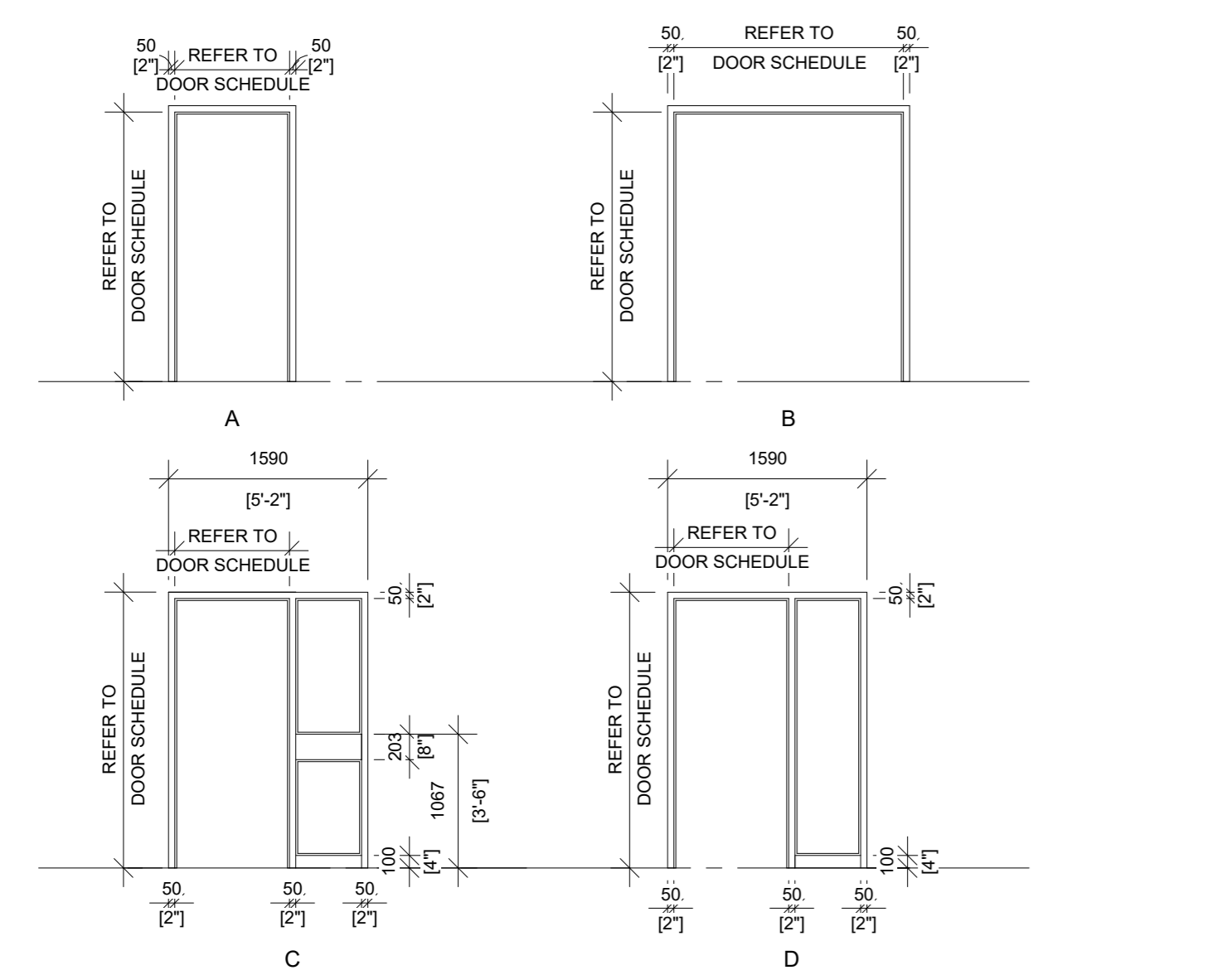
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- LEGEND**
- ① Line of base below  
See Finishes Plan for base material  
Provide "blueskin" membrane flashing, lap and seal to air/vapour barrier
  - ② Provide "blueskin" membrane flashing, lap and seal to metal liner and to frame
  - ③ Backer rod and sealant typical (keep sealant flush to edge of frame)
  - ④ Thermally broken insulated frame
  - ⑤ Aluminum angle clips
  - ⑥ Block lintel refer to structural drawings
  - ⑦ Fill with grout (typical)
  - ⑧ Sealant
  - ⑨ Metal gable support as required
  - ⑩ Concrete block below sill
  - ⑪ G.W.B. wrap-around frame
  - ⑫ Wood shim
  - ⑬ Wood trim (see spec for species and finish)
  - ⑭ Double steel stud
  - ⑮ Wood stud
  - ⑯ Gypsum Wall Board
  - ⑰ Aluminum door, refer to spec.
  - ⑱ Jamb anchor clip
  - ⑲ Spot grout
  - ⑳ 3-piece knock-down steel frame
- GENERAL NOTE:**  
A. See spec for concrete block corner treatment  
B. Frame head height to be 50mm (2") unless otherwise noted. Refer to door schedule  
C. For glazing type refer to door schedule



- GENERAL NOTE:**  
All doors located in a required barrier free path of travel as described in CBC 3.8.1.3 to be minimum door width 965mm (3'-2") and 1015mm (3'-4") with panic set.
- LEGEND**
- ① Aluminum louvre, where indicated on door schedule.
  - ② Panic hardware, refer to door schedule
  - ③ For glazing type where indicated on door schedule and fire resistance rating, refer to door schedule



- GENERAL NOTE:**  
A. FRAME HEAD HEIGHT TO BE 50mm (2") UNLESS OTHERWISE NOTED. REFER TO DOOR SCHEDULE FOR GLAZING TYPE AND RATING REFER TO DOOR SCHEDULE  
B.

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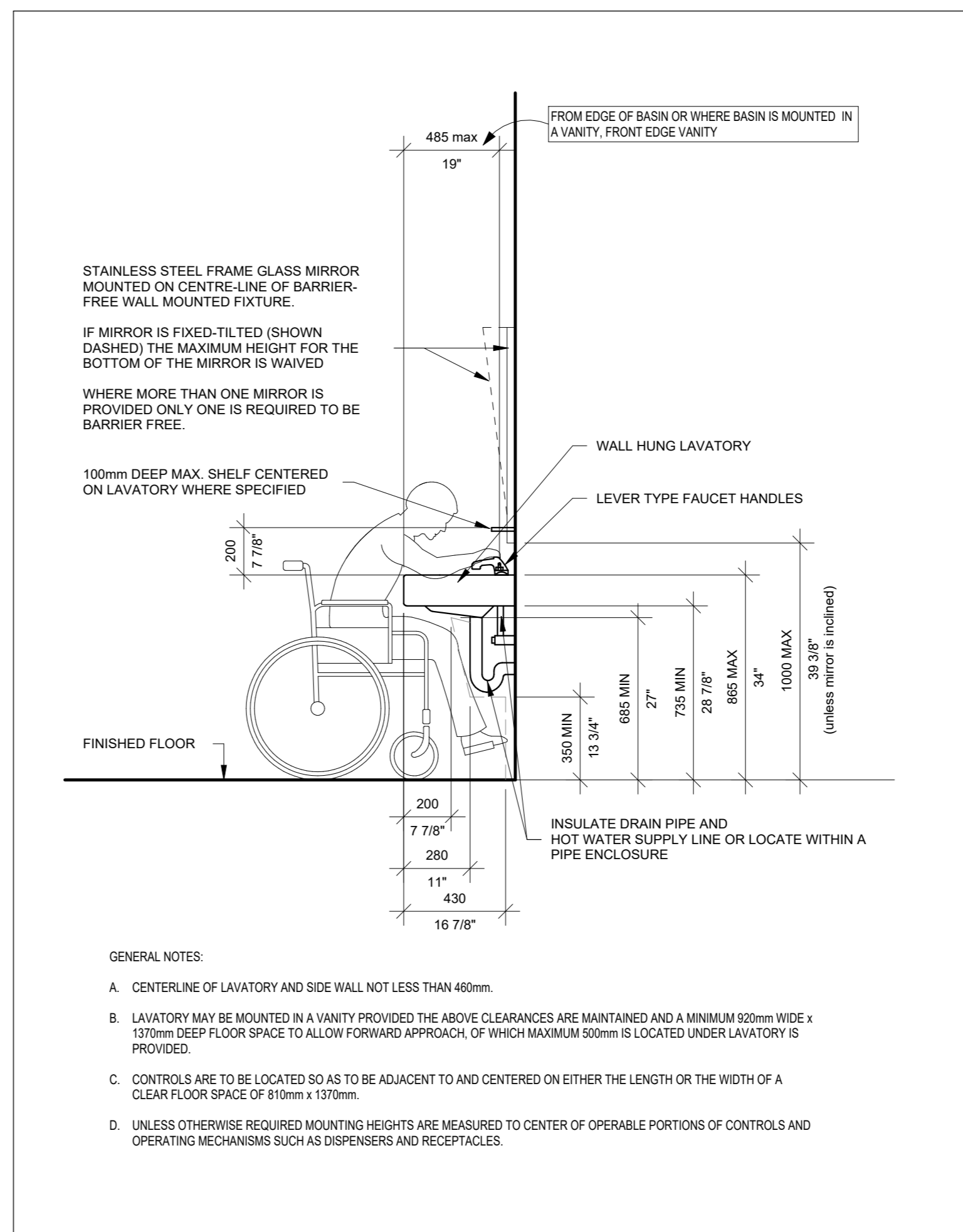
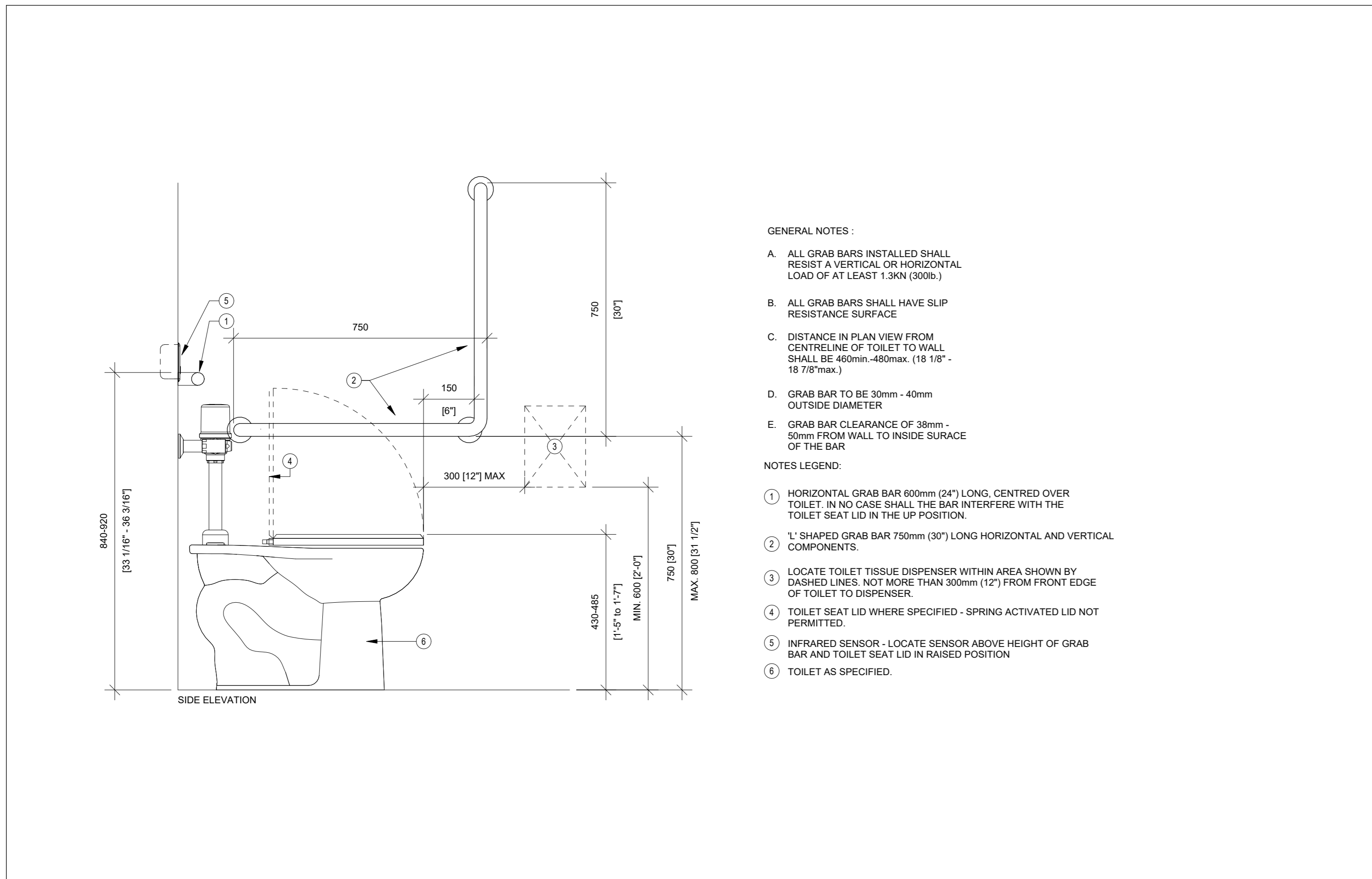
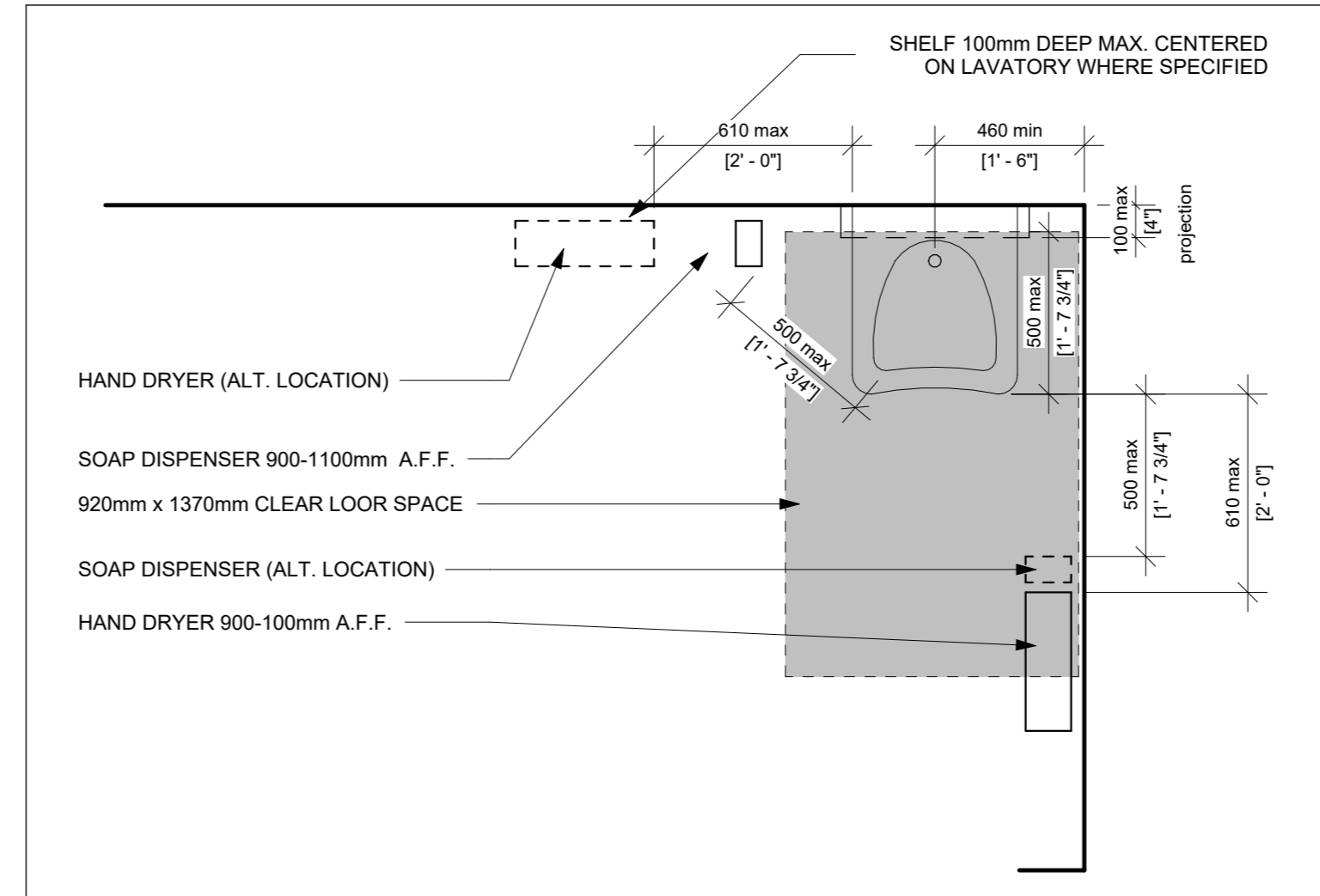
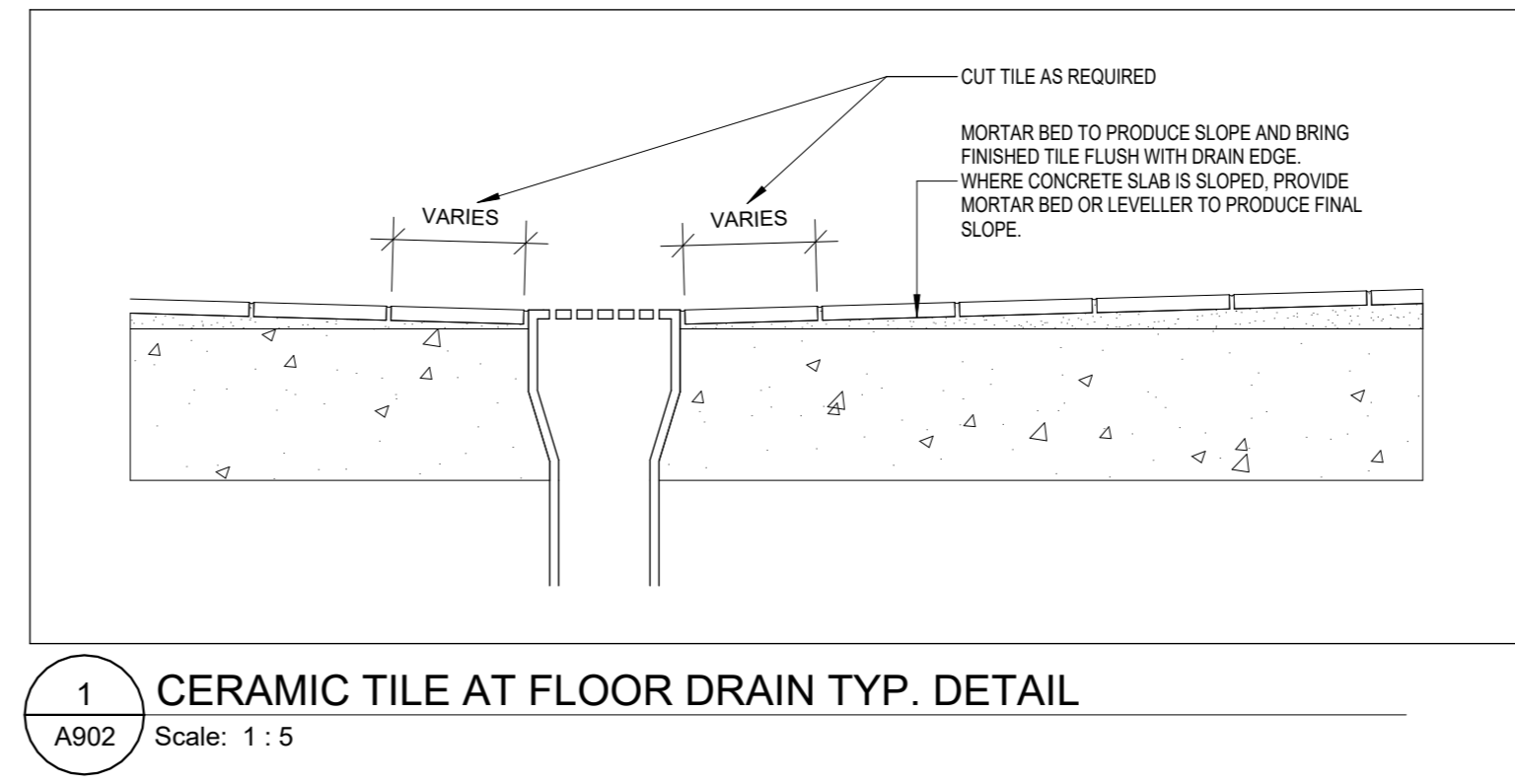
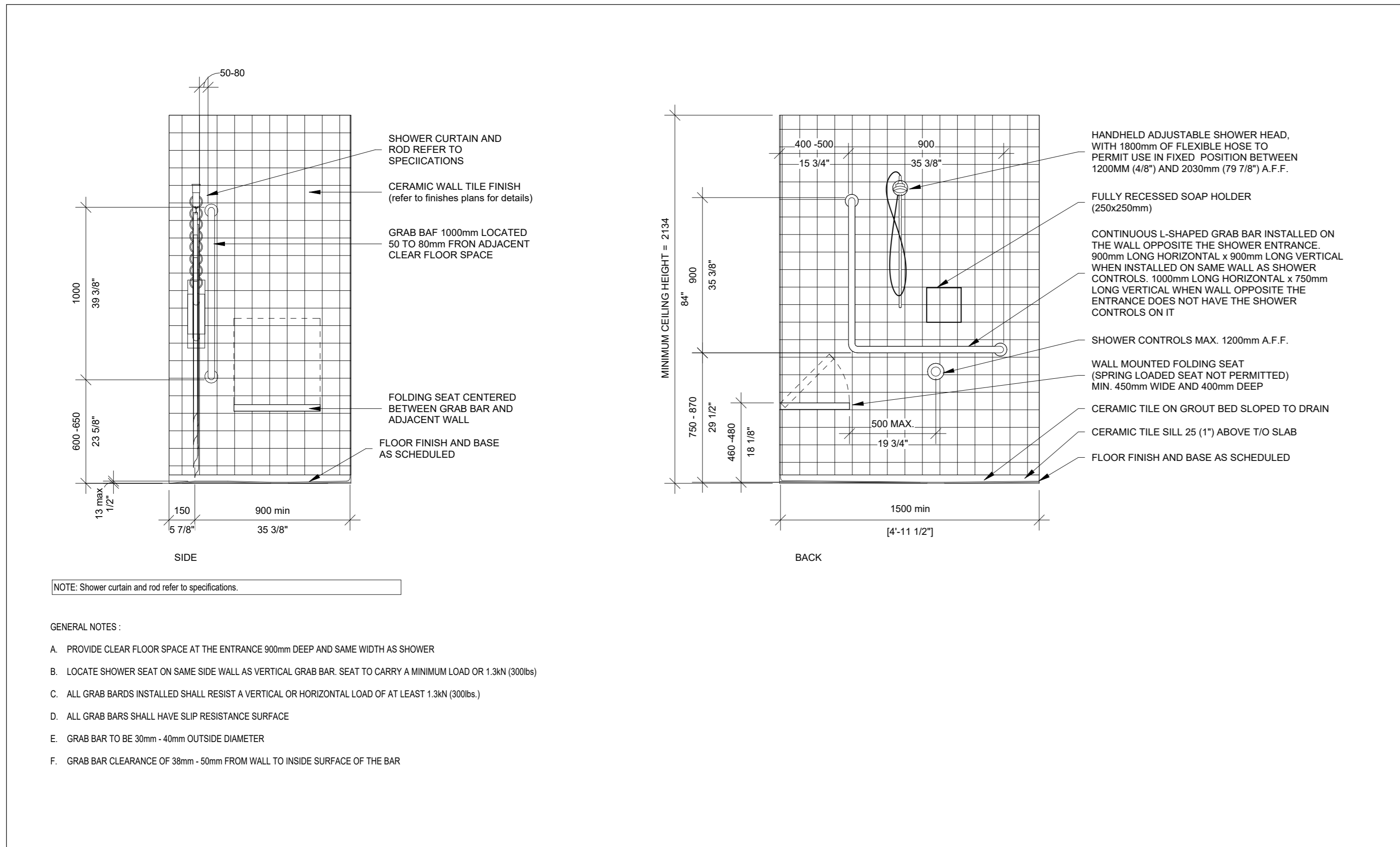
TITLE  
**DOOR AND WINDOW SCHEDULE**

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DRAWN BY: SM	
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TRUE NORTH PROJECT NORTH

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PROJECT

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TITLE

**TYPICAL DETAILS**

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SEAL

ONTARIO ASSOCIATION OF ARCHITECTS  
JASON CHANG  
LICENCE 8092

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PROJECT NO:	2025-4029-10	
DRAWN BY:	SM	
CHECKED BY:	JK	

DISCONNECT AND REMOVAL OF MATERIALS AND EQUIPMENT:

- 1. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE AND/OR RELOCATE EXISTING CONDUIT, DUCTS, EQUIPMENT, ETC. WHERE REQUIRED OR NOTED ON THE DRAWINGS. REMOVE ALL REDUNDANT JUNCTION BOXES, CONDUIT, WIRING, ETC. BACK TO POINT OF ORIGIN AND RE-SUPPORT EXISTING CABLES, CONDUITS, ETC. AS REQUIRED FOR A NEAT AND COMPLETE INSTALLATION.
2. EXISTING INSTALLATIONS ARE SHOWN FOR GENERAL REFERENCE ONLY. THE ELECTRICAL CONTRACTOR SHALL INCLUDE ALL COSTS TO MODIFY AND/OR EXTEND NEW WORK AS REQUIRED TO MEET THE DESIGN INTENT. WHERE EXISTING INSTALLATIONS NOT SHOWN ARE UNCOVERED AND DETERMINED TO BE APPROPRIATELY SIZED AND IN GOOD CONDITION, ALTERNATE CONNECTIONS WILL BE ACCEPTABLE WITH PRIOR APPROVAL.
3. THE OWNER WILL DECIDE WHICH ITEMS OR EQUIPMENT THEY WISH TO RETAIN AS THEIR PROPERTY. ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE THESE ITEMS INTACT AND HAND OVER TO THE OWNER'S REPRESENTATIVE. THIS CONTRACTOR SHALL REMOVE ALL OTHER MATERIAL FROM THE PREMISES.
4. ELECTRICAL CONTRACTOR SHALL REUSE EXISTING CONDUIT, DUCTS AND/OR EQUIPMENT AS NOTED HEREIN OR AS SHOWN ON THE DRAWINGS. EXTEND ALL CONDUIT AND WIRE AS REQUIRED TO RECONNECT RELOCATED EQUIPMENT.
5. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO REVIEW ALL DRAWINGS AND VERIFYING ALL ON SITE CONDITIONS TO DETERMINE THE EXACT EXTENT OF WORK REQUIRED TO ACCOMMODATE THE INSTALLATION OF NEW DRYWALL CEILINGS, MECHANICAL PIPING AND DUCTWORK. THIS CONTRACTOR SHALL RELOCATE ALL EXISTING CONDUITS, BOXES, LIGHTING FIXTURES AND WIRING TO SUIT AND ENSURE ACCESSIBILITY IS MAINTAINED UPON COMPLETION OF OTHER DISCIPLINES NEW INSTALLATIONS.
6. EXISTING INSTALLATIONS ABOVE EXISTING LAY-IN (ACOUSTIC) CEILINGS ARE CONSIDERED VISIBLE, ABLE TO BE SEEN, EXISTING CONDITIONS AND FULL ACCESS WILL BE GRANTED TO BIDDERS FOR THOROUGH INSPECTIONS AT THE MANDATORY SITE VISIT AND OTHER TIMES PRIOR TO BID. SCHEDULE ADDITIONAL VISITS IN CONJUNCTION WITH THE OWNER, NO EXTRAS WILL BE GRANTED FOR TRADE FAILURE TO IDENTIFY EXISTING CONDITIONS, OR COORDINATE WITH OTHER DRAWINGS AND TRADES, WHICH AFFECTS PROPER INSTALLATION, MODIFICATIONS TO EXISTING SYSTEMS, OR SUBSEQUENT REWORK.
7. EXTENTS OF DEMOLITION SHOWN ARE APPROXIMATE. THIS TRADE SHALL BE RESPONSIBLE FOR ANY DEMOLITION REQUIRED SO AS TO MEET THE DESIGN INTENT. CUT, CAP, REMOVE ANY EXISTING INSTALLATIONS MADE OBSOLETE BY NEW WORK WHETHER OR NOT SHOWN. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE TO EVALUATE THE EXTENT OF DEMOLITION BEFORE SUBMITTING THEIR TENDERS. FAILURE TO DO SO WILL NOT RELIEVE THIS CONTRACTOR OF THIS RESPONSIBILITY.
8. ELECTRICAL CONTRACTOR TO ALLOW FOR ANY AND ALL ADDITIONAL CHARGES FOR RELOCATING, REMOVING OR DISCONNECTING SERVICES AND/OR DEVICES NOT SHOWN ON THE ELECTRICAL PLANS THAT MAY INTERFERE WITH THE SCOPE OF OTHER DISCIPLINES. THE GENERAL CONTRACTOR SHALL COORDINATE THIS WORK WITH THE ELECTRICAL CONTRACTOR.
9. IN GENERAL, ALL DEVICES (RECEPTACLES, COMMUNICATIONS OUTLETS, LIGHTS, SWITCHES, ETC.) SHOWN ON WALLS TO BE DEMOLISHED ARE TO BE DISCONNECTED AND REMOVED, COMPLETE TO SOURCE, UNLESS OTHERWISE INDICATED. UNLESS OTHERWISE NOTED, DEVICES REMOVED SHALL BE DISPOSED OF BY THIS CONTRACTOR.
10. ALL INSTALLATIONS NOT SHOWN SHALL REMAIN AS CURRENTLY INSTALLED UNLESS OTHERWISE NOTED.
11. CONTRACTOR IS RESPONSIBLE FOR SAFE REMOVAL, STORAGE AND INSTALLATION OF ALL EQUIPMENT DENOTED TO BE RELOCATED.
12. DEVICES NOT SHOWN AND LOCATED ON WALLS TO BE DEMOLISHED SHALL BE COMPLETELY REMOVED. NOTIFY ENGINEER PRIOR TO REMOVAL.
13. DEVICES NOT INDICATED TO BE RELOCATED WHICH MAY INTERFERE WITH NEW WALL CONSTRUCTION SHALL BE RELOCATED. NOTIFY ENGINEER PRIOR TO RELOCATION.
14. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
15. MAINTAIN EXISTING BRANCH WIRING AND CABLES TO ALL EXISTING DEVICES TO REMAIN. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT, WIRING, JUNCTION BOXES, ETC. AS REQUIRED TO MAINTAIN EXISTING SERVICES WITHIN NON-RENOVATED AREAS.
16. COORDINATE WITH OWNER ANY TEMPORARY SHUT-DOWNS OR DISRUPTIONS FOR ANY SERVICES TO OCCUPIED AREAS. SERVICE SHUTDOWN TIMING SHALL BE DICTATED BY OWNER REQUIREMENTS.
17. ELECTRICAL CONTRACTOR TO TAG ALL CABLES, CONDUITS, ETC TO REMAIN IN ALL AREAS WITH BRIGHT YELLOW TAPE AND ENSURE THESE SYSTEMS ARE NOT DISTURBED DURING CONSTRUCTION.
18. EXISTING CONDUIT MADE EMPTY BY THE REMOVAL OF EQUIPMENT MAY BE REUSED TO FEED NEW EQUIPMENT AND OR DEVICES. ALL CONDUIT AND WIRE NOT BEING REUSED SHALL BE REMOVED COMPLETELY BACK TO SOURCE WHERE PRACTICAL.
19. ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT, DEVICES AND/OR SERVICES SHALL BE INFILLED BY THE GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ANY CUTTING AND PATCHING REQUIRED TO SUIT THE INSTALLATION OF ANY NEW EQUIPMENT. ALL PATCHING SHALL BE WITH NEW MATERIALS TO SUIT EXISTING AND NEW CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER AND ARCHITECT. MAINTAIN EXISTING WALL AND FLOOR FIRE RATINGS WHEN PATCHING.
20. ELECTRICAL EQUIPMENT TO BE REMOVED MUST BE ISOLATED AND DISCONNECTED AT THE SOURCE PRIOR TO REMOVAL OPERATIONS. DURING ISOLATION AND DISCONNECTION PROCEDURES DANGER TAGS MUST BE USED TO IDENTIFY ANY FEEDERS OR EQUIPMENT REMAINING ENERGIZED TO ACCOMMODATE NEW CONSTRUCTION.
21. ITEMS DESIGNATED FOR RELOCATION SHALL BE REMOVED CAREFULLY TO AVOID MATERIAL DAMAGE. ITEMS DAMAGED BY METHODS OF REMOVAL OR STORAGE SHALL BE REPLACED AT NO COST TO OWNER.
22. NOTIFY OWNER AND ENGINEER OF ANY DAMAGE OR NON-WORKING EQUIPMENT THAT IS INDICATED TO BE RE-USED OR RELOCATED PRIOR TO COMMENCING WORK.
23. PROJECT WILL BE COMPLETED IN MULTIPLE PHASES AS IDENTIFIED IN THE ARCHITECTURAL PHASING PLAN. COORDINATE ALL WORK WITH ARCHITECTURAL PHASING PLANS. PROVIDE TEMPORARY PIPING/DUCTWORK AS REQUIRED TO MAINTAIN SERVICES IN ALL OCCUPIED PHASES. INCLUDE ALL COSTS FOR PHASED INSTALLATIONS INCLUDING ANY AFTER-HOURS WORK WHERE INSTALLATIONS ARE REQUIRED WITHIN OCCUPIED AREAS OUTSIDE OF THE CURRENT PHASE OF WORK, OUTSIDE THE AREA OF WORK, AND/OR WHERE INSTALLATIONS OTHERWISE CROSS OVER PHASE BOUNDARIES.
24. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TILES TO BE REMOVED AND REPLACED. ELECTRICAL CONTRACTOR SHALL REMOVE OR TEMPORARILY SUPPORT ALL EXISTING CEILING MOUNTED DEVICES (EMERGENCY LIGHTING, EXIT SIGNS, FIRE DETECTORS, OCCUPANCY SENSORS, LIGHTS, ETC.) TO ACCOMMODATE CEILING WORK. REINSTALL ELECTRICAL DEVICES UPON COMPLETION OF CEILING WORK.
25. WHERE CEILING ARE BEING REMOVED, ENSURE EXISTING LIGHT FIXTURES ARE PROPERLY SUPPORTED FROM STRUCTURE.

GENERAL DRAWING NOTES

- 1. THESE DRAWINGS ARE DIAGRAMMATIC AND ARE NOT TO BE SCALED. THIS DIVISION MUST COORDINATE SCOPE OF WORK WITH ALL CONTRACT DRAWINGS AND COORDINATE INSTALLATIONS WITH OTHER DIVISIONS TO AVOID CONFLICT AND DELAYS.
2. REVIEW ALL CONTRACT DRAWINGS AND VISIT THE SITE PRIOR TO SUBMITTING HIS BID TO VERIFY ALL INSTALLATIONS AND EXISTING FIELD CONDITIONS. SUBMISSION OF THE BID IS EVIDENCE THAT THIS DIVISION THOROUGHLY UNDERSTANDS THE SCOPE OF THE WORK AND HAS INCLUDED ALL COSTS FOR THE COMPLETE SCOPE OF WORK FOR ALL OPERATING SYSTEMS IN THE BID, INCLUDING COORDINATION WITH OTHER DIVISIONS, PRIOR TO ORDERING MATERIALS AND ROUGH-IN.
3. THESE DRAWINGS ARE TO BE CONSIDERED AN INTEGRAL PART OF THE SPECIFICATIONS WHICH ACCOMPANY THEM. ANY ITEM OR SUBJECT OMITTED FROM ONE BUT WHICH IS MENTIONED OR REASONABLY IMPLIED IN THE OTHER, OR AS REQUIRED BY CODE OR FOR A PROPERLY FUNCTIONING SYSTEM, SHALL NOT RELIEVE THIS DIVISION OF ITS RESPONSIBILITY.
4. COORDINATE ALL WORK WITH OTHER DIVISIONS FOR AVAILABLE SPACE, AVOID INTERFERENCES, SEQUENCE OF INSTALLATIONS AND INSTALLATION REQUIREMENTS PRIOR TO COMMENCING CONSTRUCTION. PLAN WORK WELL IN ADVANCE TO ELIMINATE INSTALLATION AND COORDINATION DIFFICULTIES.
5. COOPERATE WITH OTHER DIVISIONS ON SITE TO RESOLVE INTERFERENCES TO SATISFACTORILY COMPLETE THE PROJECT. IMMEDIATELY NOTIFY THE CONSULTANT OF ANY CONFLICTS WHICH IMPACT THE DESIGN INTENT PRIOR TO INSTALLATION. UNDER NO CIRCUMSTANCES SHALL THIS DIVISION PROCEED IN UNCERTAINTY.

GENERAL RENOVATION NOTES:

- 1. EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN AS PRESENTLY INSTALLED, UNLESS OTHERWISE NOTED.
2. ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
3. DEVICES CIRCUITED FROM EXISTING PANEL MAY NOT REFLECT THE ACTUAL CIRCUIT NUMBERS BUT ARE SHOWN FOR CONFIGURATION ONLY. CONNECT TO EXISTING SPARE BREAKERS OR PROVIDE BREAKERS AS REQUIRED TO SUIT LOADS.
4. REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).
5. WHEN UTILIZING EXISTING BRANCH CIRCUIT, PROVIDE NEW BRANCH CIRCUIT WIRING AS REQUIRED MEETING THE ONTARIO ELECTRICAL SAFETY CODE LATEST EDITION REQUIREMENTS.
6. EXISTING CONDUIT MADE EMPTY BY THE REMOVAL OF EQUIPMENT MAY BE REUSED TO FEED NEW EQUIPMENT AND OR DEVICES. EXTEND EXISTING CONDUIT TO PANEL AND DEVICES WHERE EVER POSSIBLE.
7. ALL CEILING MOUNTED DEVICES NOTED AS RELOCATED SHALL BE CLEANED, REPLACED AND RECONNECTED ON NEW CEILING AFTER CEILING TILES HAVE BEEN REPLACED WITH NEW TILES.
8. ALL WALL MOUNTED DEVICES NOTED AS RELOCATED SHALL BE CLEANED, REPLACED AND RECONNECTED IN NEW LOCATION.
9. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND DETAILS FOR THE EXACT LOCATION OF ALL LIGHTING FIXTURES AND ANY OTHER EQUIPMENT INSTALLED IN THE CEILING SYSTEM. VERIFY EXACT MOUNTING HEIGHTS AND FINISHES PRIOR TO ROUGH-IN.
10. ELECTRICAL CONTRACTOR TO COORDINATE LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES WITH ARCHITECTURAL ELEVATIONS AND DETAILS, MECHANICAL DUCTWORK AND PLUMBING PRIOR TO FINAL PLACEMENT.
11. ELECTRICAL CONTRACTOR TO PROVIDE SEPARATE NEUTRALS TO ALL CIRCUITS.

LIGHTING GENERAL NOTES

- 1. UNLESS OTHERWISE NOTED, ALL NEW DEVICES & FACEPLATES SUPPLIED SHALL BE DECORATIVE STYLE AND <WHITE> FINISH.
2. ALL LIGHTING FIXTURES SHALL BE C/W 0-10V DIMMING DRIVERS UNLESS OTHERWISE NOTED.
3. INTERIOR LIGHTING IS TO BE CONTROLLED WITH LOW VOLTAGE SWITCHING/DIMMING, OCCUPANCY, AND PHOTO ELECTRIC SENSORS. PROVIDE ALL SENSORS, POWER PACKS AND RELAY UNITS AS REQUIRED FOR A COMPLETE INSTALLATION.
4. ALL SWITCHES IN PUBLIC SPACES SHALL FUNCTION AS TIMED OVERRIDE SWITCHES WHEN LIGHTS ARE MANUALLY SWITCHED ON. OCCUPANCY SENSORS WILL TURN LIGHTS OFF AFTER 30MIN OF NO MOTION, THE LIGHTING WILL REDUCE DOWN TO 50%.
5. IN PUBLIC CORRIDORS AND STAIRS, PROVIDE WIRING AND SETTINGS IN SUCH A WAY THAT UPON OCCUPANCY, 100% OF THE LIGHTING WILL TURN ON AUTOMATICALLY. AFTER 30MIN OF NO MOTION, THE LIGHTING WILL REDUCE DOWN TO 50%.
6. IN ROOMS WHERE LIGHTING FIXTURES ARE CONTROLLED THROUGH CEILING MOUNTED OCCUPANCY SENSORS, PROVIDE MANUAL OFF SWITCH CONTROL.
7. ALL LOW VOLTAGE SWITCHES/DIMMERS SHALL FUNCTION AS OVERRIDE SWITCHES WHEN SYSTEM IS ON UNOCCUPIED MODE.
8. MOUNT POWER SUPPLIES AND AUXILIARY CONTROLS ON WALL, ABOVE THE T-BAR CEILING, FOR LOW VOLTAGE CONTROL.
9. ELECTRICAL CONTRACTOR TO ALLOW FOR ALL CIRCUIT(S), CONNECTIONS, CONTROLS FROM PHOTO SENSORS AND OCCUPANCY SENSORS FOR A COMPLETE OPERATING SYSTEM AS REQUIRED. OCCUPANCY SENSORS EQUAL TO WATT STOPPER DUAL TECHNOLOGY, PIR AND ULTRASONIC SENSORS. PROVIDE MULTY-CIRCUIT WHERE NECESSARY.
10. ALLOW FOR 120V CIRCUIT(S) TO FEED OCCUPANCY SENSOR POWER SUPPLIES AS REQUIRED FROM NEAREST 120V PANEL. PROVIDE WIRE, CONDUIT, LABOR AS REQUIRED FOR COMPLETE OPERATING SYSTEM.
11. OCCUPANCY SENSOR LOCATIONS MUST BE COORDINATED ON SITE WITH ALL SERVICES TO ENSURE A CLEAR VIEW OF THE ENTRANCE DOOR(S) AND THE OVERALL SPACE.
12. WHERE OCCUPANCY SENSORS ARE MOUNTED IN A ROOM WITH MORE THAN ONE (1) SWITCH OR CIRCUIT, SENSORS SHALL OPERATE ALL FIXTURES OR CIRCUITS EITHER THROUGH MULTI-CIRCUIT SENSOR OR MULTIPLE SENSORS.
13. MOUNT CORRIDOR CEILING OCCUPANCY SENSOR AS DIRECTED BY MANUFACTURER AND ORIENT FOR OPTIMAL COVERAGE.
14. THE LOCATIONS AND QUANTITIES OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE ONLY THE ROOMS WHICH ARE TO BE PROVIDED WITH SENSORS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL SENSORS AND POWER SUPPLIES/RELAYS AS REQUIRED TO PROPERLY AND COMPLETELY COVER THE RESPECTIVE ROOM AND CIRCUITS.
15. THIS CONTRACTOR SHALL ALLOW FOR ON SITE ADJUSTMENTS OF TIME DELAY, AIMING AND SENSITIVITY OF ALL SENSORS, BASED ON USER'S REQUIREMENT.
16. FIXTURE IN SERVICE ROOMS AND MECHANICAL ROOM TO BE CHAIN SUSPENDED AT 8'-0" AFF. ELECTRICAL CONTRACTOR TO CO-ORDINATE ALL LIGHTING INSTALLATIONS WITH MECHANICAL AND SPRINKLER CONTRACTOR, PRIOR TO DUCTWORK AND PIPING INSTALLATIONS, TO AVOID ANY INTERFERENCES.
17. EMERGENCY BATTERIES AND COMBO UNITS SHALL BE CONNECTED TO LINE SIDE OF THE NORMAL LIGHTING CIRCUIT (UN-SWITCHED) IN THE AREA COVERED BY THE EMERGENCY LIGHTING.
18. REMOTE EMERGENCY HEADS TO BE WIRED FROM NEAREST BATTERY UNIT LOCATED WITHIN THE SAME ROOM/AREA. DO NOT CONNECT ALL THE EMERGENCY HEADS IN A SINGLE RUN FROM A BATTERY UNIT PROVIDE MINIMUM THREE (3) SEPARATE RUNS FROM EACH BATTERY UNIT TO CONNECT EMERGENCY HEADS IN ORDER TO REDUCE TOTAL WAITAGE PER RUN. DO NOT CONNECT MORE THAN 6 HEADS IN ONE RUN.
19. PROVIDE LAMICOID TAG IDENTIFICATION (CIRCUIT AND RELAY NUMBER) ON ALL THE SWITCHES. REFER TO DETAIL <S> OR DRAWING <E>.
20. ALL 347V LIGHTING FIXTURES COMPLETE WITH LUMINAIRE DISCONNECTS EQUAL TO THOMAS AND BETTS STA-KON DISCONNECTS RATED FOR APPROPRIATE VOLTAGE(S).
21. INSTALL ALL CONDUIT TIGHT TO THE CEILING DECK, ABOVE MECHANICAL DUCTS, IN ORDER NOT TO DETER INSTALLATION OF LIGHTING FIXTURES AND DIFFUSERS.
22. ALL LIGHTING FIXTURES SHALL BE SUPPORTED BY APPROVED CHAINS WHICH SHALL ALLOW THE FIXTURES TO BE SUPPORTED INDEPENDENT OF THE CEILING SYSTEM. LAY-IN FIXTURE SHALL BE SUPPORTED WITH 2 CHAINS TO THE ROOF OR DECK ABOVE.
23. ALL SWITCHES/SENSORS SHALL BE FROM ONE MANUFACTURER.
24. ALL SWITCHES C/W GROUND PIN MUST BE GROUND.

POWER GENERAL NOTES

- 1. REFER TO SITE PLAN AND DISTRIBUTION RISER DIAGRAM FOR INCOMING ELECTRICAL SERVICE INFORMATION AND DETAILS.
2. MAINTAIN MIN. 3'-4" (1000mm) CLEARANCE FROM ALL ELECTRICAL DISTRIBUTION EQUIPMENT.
3. GROUNDING OF ALL EQUIPMENT TO BE TO THE ELECTRICAL SAFETY AUTHORITY INSPECTION APPROVAL AND IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE SECTION 10 - GROUNDING AND BONDING.
4. ALL NEW CONDUIT INSTALLATION TO BE INSTALLED TIGHT TO THE CEILING DECK, ABOVE MECHANICAL DUCTS, IN ORDER NOT TO DETER INSTALLATION OF LIGHTING FIXTURES AND DIFFUSERS.
5. ALL PANELS SHALL BE COMPLETE WITH PANEL DOORS, AND LOCKS KEYS ALIKE. AT THE END OF THE PROJECT, PROVIDE PANEL KEYS TO OWNER.
6. ELECTRICAL CONTRACTOR TO BOND PANELS AS PER Z32.99 (TYPICAL).
7. UNLESS OTHERWISE NOTED, ALL NEW DEVICES AND FACEPLATES SUPPLIED SHALL BE WHITE DECORA WITH MATCHING COVER PLATE. IN SERVICE AREAS, NEW DEVICES SHALL BE WHITE WITH STAINLESS STEEL COVER PLATE. ALL OUTLETS SHALL BE FLUSH MOUNTED IN WALL UNLESS OTHERWISE NOTED.
8. EACH RECEPTACLE SHALL BEAR IDENTIFICATION OF THE CIRCUIT(S) CONNECTED ON ITS FACEPLATE. PROVIDE LAMICOID TAG IDENTIFICATION (CIRCUIT AND RELAY NUMBER) ON ALL RECEPTACLES.
9. FOR ALL RECESS PANELS STUB 2 x 1" SPARE CONDUITS (FOR FUTURE) UP TO ACCESSIBLE CEILING SPACE ABOVE THE PANEL AND TERMINATE THESE CONDUITS IN A 10"x10"x4" JUNCTION BOX IN CEILING SPACE. BOTH CONDUITS ARE TO BE LEFT EMPTY C/W FISH WIRES.
10. ALL WIRING TO BE CODED WITH SHRINK WRAP TAPE SHOWING CIRCUITS ON ALL HOT AND NEUTRAL WIRING AT PANEL, OUTLETS AND ANY JUNCTION OR PULL BOXES (TYP. FOR ALL POWER, LIGHTING, OR MECHANICAL SYSTEMS)
11. WHERE CONDUITS PASS THROUGH FLOORS AND FIRE RATED WALL, SEAL SPACE BETWEEN CONDUIT AND STRUCTURE. PROVIDE FIRE BARRIER AROUND ALL COMPONENTS IN HOLES WHICH PENETRATE FIRE SEPARATIONS. THE FIRE BARRIER MEDIUM PROVIDED SHALL MAKE THE FIRE SEPARATION EQUAL TO OR BETTER THAN ONE WHICH HAS CUT AWAY.
12. WHEREVER CORE HOLES ARE REQUIRED THROUGH SLAB, ELECTRICAL CONTRACTOR TO PROVIDE A MINIMUM OF 1-2" SLEEVE FOR FUTURE AS SPARE.
13. FOR COMMUNICATION OUTLETS ON WALL, PROVIDE GANGBOX, EMPTY CONDUIT WITH PULL STRING FROM OUTLET BOX TO ACCESSIBLE CEILING SPACE. OWNERS DATA/VOICE CONTRACTOR TO SUPPLY AND INSTALL ALL FACEPLATES, CABLEING, ETC. FOR A COMPLETE DATA/COMM INSTALLATION.
14. ALL COMMUNICATION CABLES PROVIDED BY DATA/VOICE CONTRACTOR SHALL BE FT6 PLENUM RATED, APPROVED FOR PLENUM USE. THE SAME CONTRACTOR WILL PROVIDE DATA/VOICE INSERTS, AND JACKS. ALL DATA/VOICE CABLES SHALL BE SUPPORTED IN ACCORDANCE WITH CABLE SUPPORT METHODS AS DETAILED IN SPECIFICATIONS.
15. ELECTRICAL CONTRACTOR SHALL PROVIDE BLANK COVER PLATES FOR ALL THE COMMUNICATION OUTLETS
16. OUTLETS FOR ALL MECHANICAL EQUIPMENT SHALL BE MOUNTED AT SUITABLE HEIGHT FOR EQUIPMENT BEING SERVED. EXACT LOCATION AND MOUNTING HEIGHT TO BE COORDINATED WITH MECHANICAL CONTRACTOR ON SITE PRIOR TO ROUGH-IN.
17. ELECTRICAL CONTRACTOR TO PROVIDE 8"x8"x6" JUNCTION BOX FOR CONTROL TRANSFORMERS ETC. BY MECHANICAL CONTROLS CONTRACTOR. PROVIDE 120V CIRCUIT AND MAKE ALL FINAL CONNECTIONS TO TRANSFORMER PRIMARY.
18. CONTRACTOR TO COORDINATE LOCATION AND MOUNTING HEIGHTS OF ALL RECEPTACLES WITH ARCHITECTURAL DRAWINGS AND DETAILS PRIOR TO ROUGH-IN.
19. ALL CONDUITS AND CABLEING TO RUN ABOVE CEILING.
20. ALL POWER PULL BOXES TO BE 18"x18"x6" MINIMUM. PROVIDE LAMICOID CIRCUIT DESCRIPTOR ON OUTSIDE OF COVER AND COLOUR CODE PAINT THE COMPLETE COVER, TYPICAL.
21. PROVIDE TEMPORARY ELECTRICAL POWER FOR THE WORK OF THE OTHER TRADES AS REQUIRED BY THE GENERAL CONTRACTOR.
22. MOUNT RECEPTACLES IN SERVICE ROOMS AND JANITORS CLOSETS AT SWITCH IN COMMON GANGED FACEPLATE.
23. ALL 5-15R AND 5-20RA RECEPTACLES IN PUBLIC SPACES, WITH THE EXCEPTION OF RECEPTACLES IN THE OFFICE AND UTILITY ROOMS, SHALL BE TAMPER RESISTANT RECEPTACLES AND SHALL BE SO MARKED.
24. ELECTRICAL CONTRACTOR TO ALLOW FOR A MINIMUM OF 10 x 15A-1P CIRCUITS C/W A MINIMUM OF 50' OF CONDUIT AND WIRE FROM EACH PANEL TO ALLOW FOR UNFORESEEN CONNECTIONS DURING CONSTRUCTION.
25. MARK CEILING TILES WITH RED DOT WHERE ANY POWER SUPPLIES ARE LOCATED ABOVE CEILING.
26. ALLOW FOR ALL 120V POWER, ON ESSENTIAL SERVICE, AT ALL DOORS WITH SECURITY STRIKES OR MAG LOCKS AS REQUIRED TO PROVIDE A COMPLETE OPERATING SYSTEM. ALL DOORS WITH ELECTRIC HINGES TO HAVE INDIVIDUAL CIRCUITS FOR HINGE FROM CLOSEST EMERGENCY POWERED PANEL. ALLOW FOR ALL CIRCUITS, WIRE, LABOR, ETC. AS REQUIRED.

ELECTRICAL LEGEND

Table with columns for LIGHTING FIXTURES, MECHANICAL, LIGHTING DEVICES, SECURITY, POWER, and ABBREVIATIONS. Includes symbols for recessed, surface, suspended, circular, and emergency lighting fixtures, as well as motors, starters, switches, and various electrical components.

ELECTRICAL DRAWING LIST

Table listing drawing numbers and names: E001 ELECTRICAL NOTES, LEGENDS, AND DRAWING LIST; E001 LIGHTING DEMOLITION LAYOUT; E002 POWER AND SYSTEMS DEMOLITION LAYOUT; E001 LIGHTING LAYOUT; E001 POWER AND SYSTEMS LAYOUT; E002 ELECTRICAL DETAILS; E001 ELECTRICAL SCHEDULES.

CLIENT LOGO



Table with columns: No., ISSUANCE, DATE. Row 1: 1 ISSUED FOR 100% CD 2026-03-05. Row 2: 2 ISSUED FOR BID AND PERMIT 2026-03-26.

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WATERLOO REGION DISTRICT SCHOOL BOARD

51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT

KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION
787 King St. W, Kitchener, ON N2G 2G5

TITLE

ELECTRICAL NOTES, LEGENDS, AND DRAWING LIST

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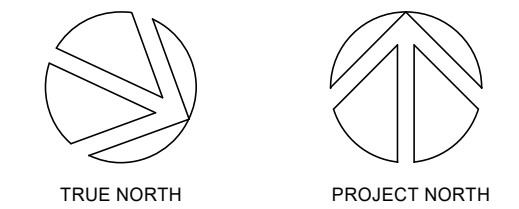
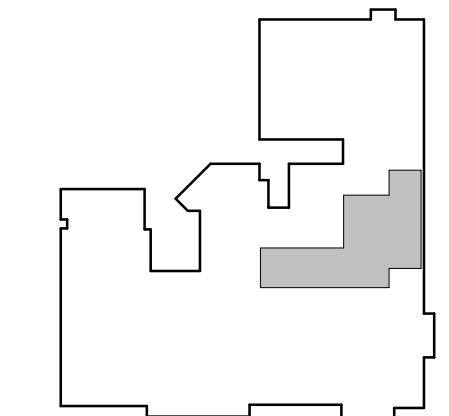
- ELECTRICAL DEMOLITION NOTES:**
- ① ALL EXISTING INSTALLATIONS NOT NECESSARILY SHOWN.
  - ② REVIEW OWNER'S HAZARDOUS MATERIAL REPORT PRIOR TO COMMENCING WORK.
  - ③ TURN OVER LIGHT FIXTURES AND DEVICES TO OWNER AND THEIR DISCRETION, OTHERWISE REMOVE FROM SITE AND PROPERLY DISPOSE OF.
  - ④ DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND DEVICES FROM CEILING BEING REMOVED INCLUDING CONDUIT (WHERE NOT BEING REUSED) AND WIRING BACK TO SOURCE COMPLETE.
  - ⑤ DISCONNECT AND REMOVE EXISTING LIGHTING DEVICES FROM WALL BEING REMOVED INCLUDING CONDUIT (WHERE NOT BEING REUSED) AND WIRING BACK TO SOURCE COMPLETE.

1 LOWER LEVEL LIGHTING DEMOLITION LAYOUT  
ED01 Scale: 1 : 100

CLIENT LOGO



KEYPLAN



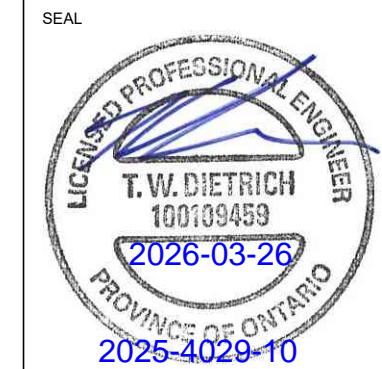
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PROJECT  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
787 King St. W, Kitchener, ON N2G 2G5

TITLE  
**LIGHTING DEMOLITION LAYOUT**

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PROJECT NO.:	2025-4029-10	
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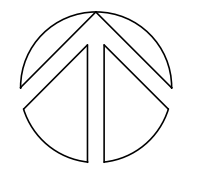
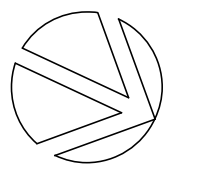
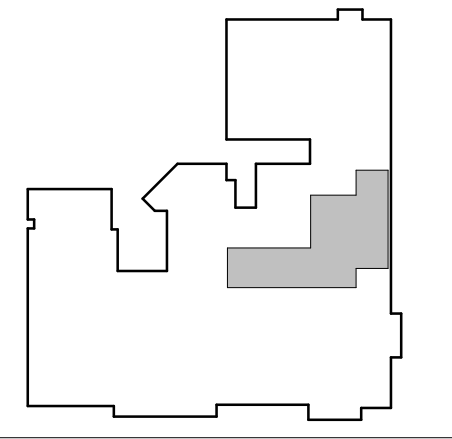
- ELECTRICAL DEMOLITION NOTES:**
- ① ALL EXISTING INSTALLATIONS NOT NECESSARILY SHOWN.
  - ② REVIEW OWNER'S HAZARDOUS MATERIAL REPORT PRIOR TO COMMENCING WORK.
  - ③ TURN OVER REMOVED EQUIPMENT AND DEVICES TO OWNER AT THEIR DISCRETION, OTHERWISE REMOVE FROM SITE AND PROPERLY DISPOSE OF.
  - ④ DISCONNECT AND REMOVE EXISTING DEVICES (FIRE ALARM, SECURITY, PAGING, ETC.) FROM CEILING BEING REMOVED INCLUDING CONDUIT (WHERE NOT BEING REUSED) AND WIRING BACK TO SOURCE COMPLETE.
  - ⑤ DISCONNECT AND REMOVE EXISTING DEVICES (FIRE ALARM, SECURITY, PAGING, ETC.) FROM WALL BEING REMOVED INCLUDING CONDUIT (WHERE NOT BEING REUSED) AND WIRING BACK TO SOURCE COMPLETE.
  - ⑥ EXISTING PANEL LP-WBW AND ASSOCIATED DISCONNECT ARE TO BE DISCONNECTED AND REMOVED FROM WALL BEING REMOVED. EXISTING CIRCUITS GOING TO THIS PANEL ARE TO BE TEMPORARILY PULLED BACK TO CEILING FOR RECONNECTION TO NEW PANEL.
  - ⑦ EXISTING END OF LINE DEVICES ARE TO BE RELOCATED TO NEW CORRIDOR WALL.
  - ⑧ EXISTING SECURITY CAMERA IS TO BE REMOVED AND REINSTALLED ON NEW CEILING APPROX. THIS AREA MAINTAIN EXISTING WIRING FOR RECONNECTION.
  - ⑨ EXISTING FIRE ALARM DEVICES (BELLS, DETECTORS, ETC.) BEING REMOVED ARE TO BE REUSED WHERE PRACTICAL.
  - ⑩ EXISTING PANEL LP-RBW IS TO BE DISCONNECTED, REMOVED AND TURNED OVER TO OWNER AT THEIR DISCRETION. EXISTING BREAKER AND WIRING FEEDING THIS PANEL ARE TO BE LEFT IN PLACE AND CONNECTED TO NEW PANEL LP-RBW INSTALLED IN THIS LOCATION.

1 LOWER LEVEL POWER AND SYSTEMS DEMOLITION LAYOUT  
ED02 Scale: 1 : 100

CLIENT LOGO



KEY PLAN



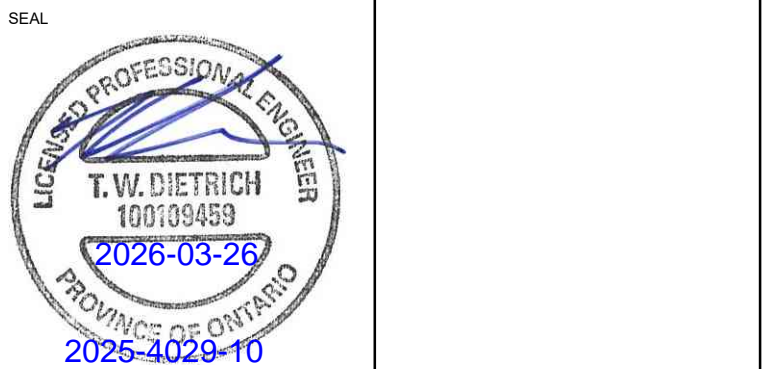
No.	ISSUANCE	DATE
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CLIENT  
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PROJECT  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
787 King St. W, Kitchener, ON N2G 2G5

TITLE  
**POWER AND SYSTEMS DEMOLITION LAYOUT**

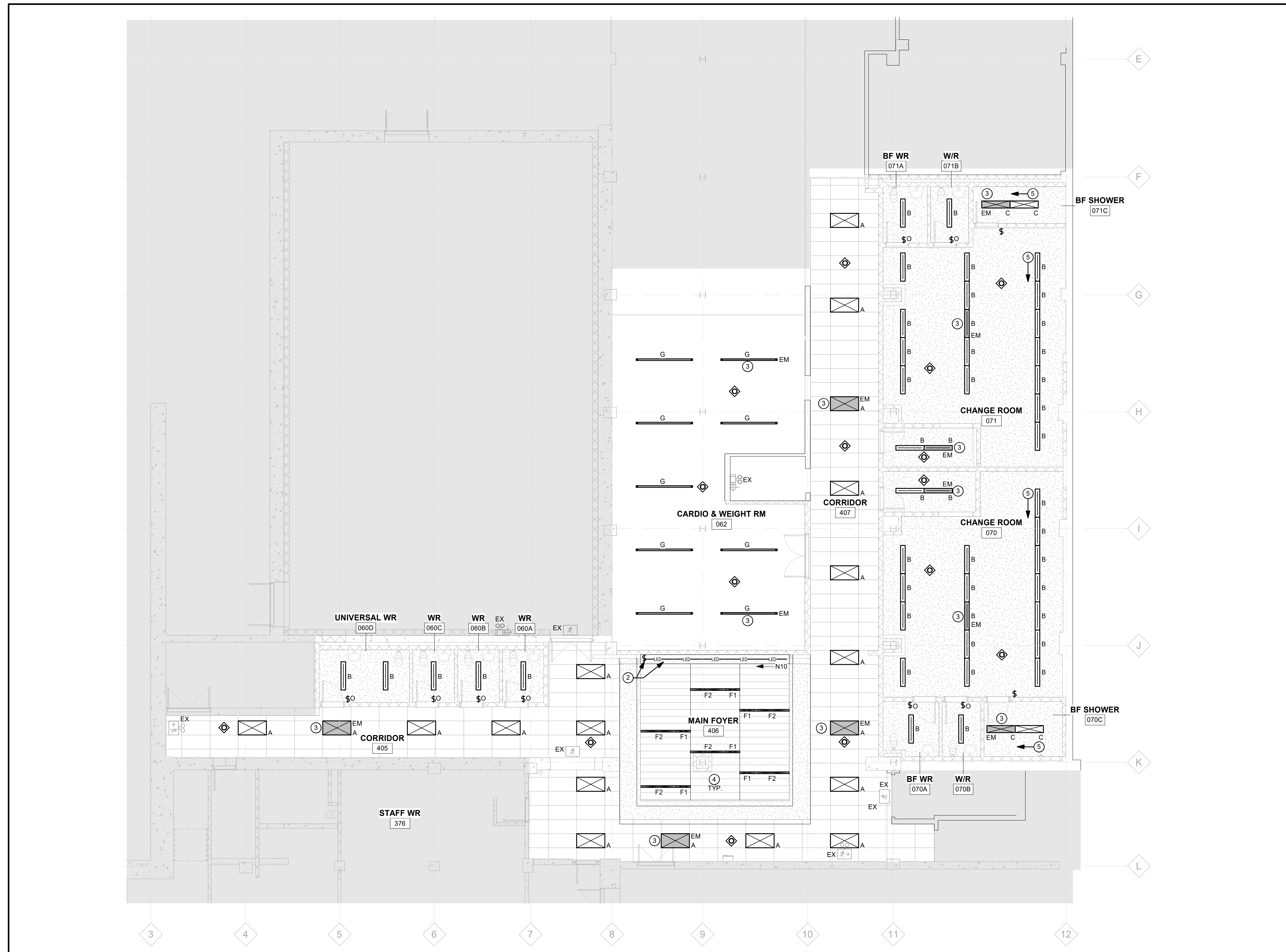
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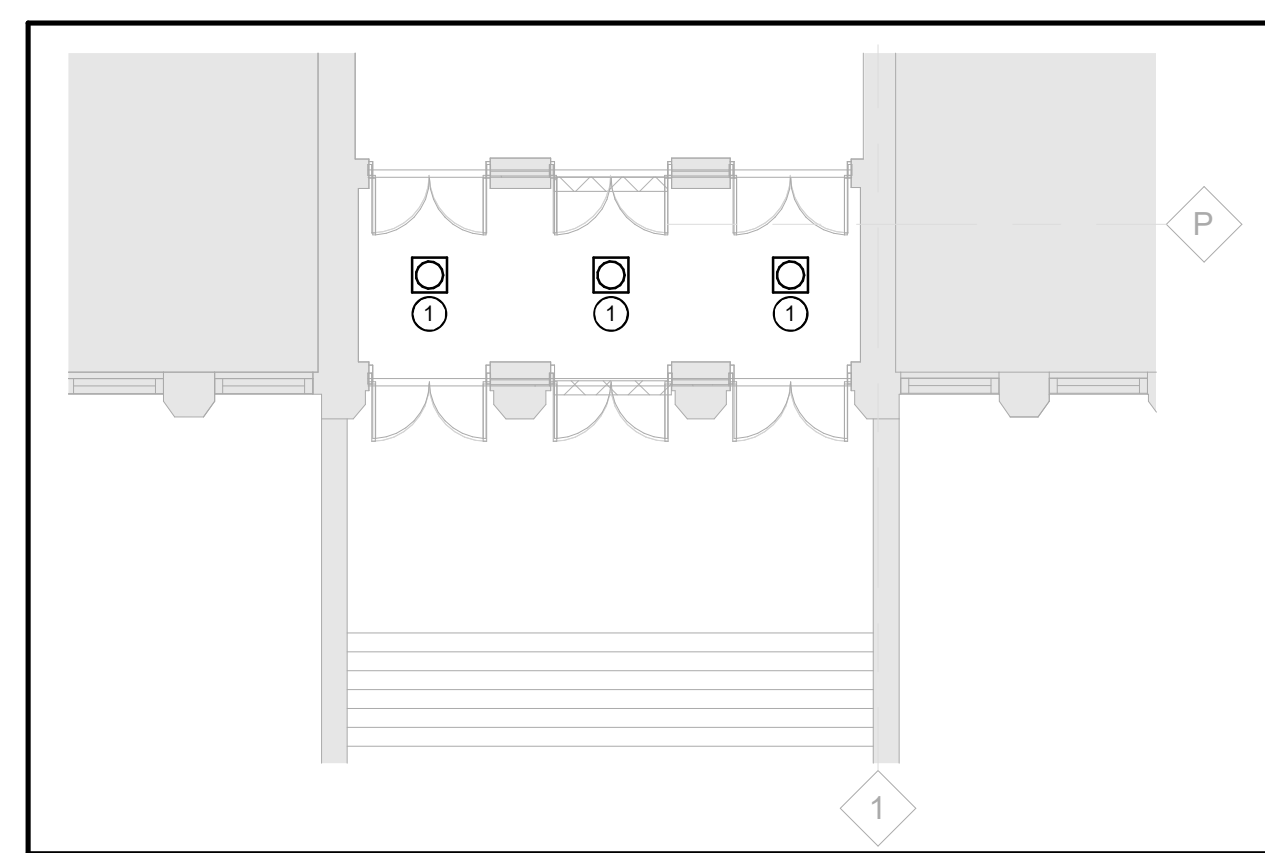
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PROJECT NO.:	2025-4029-10	
DRAWN BY:	D.E.	
CHECKED BY:	T.D.	



- ELECTRICAL NOTES:**
- UTILIZE CIRCUITS MADE AVAILABLE DURING DEMOLITION TO FEED NEW LIGHTING.
  - LIGHTING MOUNTED IN DISPLAY CASE - REFER TO ARCHITECTURAL DETAIL FOR EXACT LOCATION. SWITCH FOR LIGHTING TO BE MOUNTED IN LOWER SECTION OF DISPLAY CASE. PROVIDE QUANTITY OF FIXTURES TO SUIT WIDTH OF DISPLAY CASE.
  - EMERGENCY LIGHTING FIXTURES (NOTED AS 'EM') TO BE FED FROM EXISTING OR SPARE CIRCUITS IN PANEL P-EW.
  - WIRING CONNECTIONS FOR LIGHT FIXTURES MOUNTED IN DECORATIVE WOOD CEILING ARE TO BE MADE IN ADJACENT ACCESSIBLE CEILING SPACE. NO JUNCTION BOXES ARE TO BE LOCATED ABOVE DECORATIVE WOOD CEILING.
  - COORDINATE LOCATION OF LIGHT FIXTURES WITH RADIANT HEATING PANELS.

**1 LOWER LEVEL LIGHTING LAYOUT**  
E201 Scale: 1 : 100



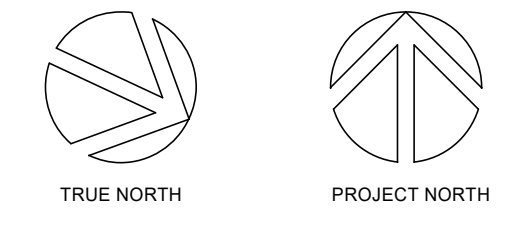
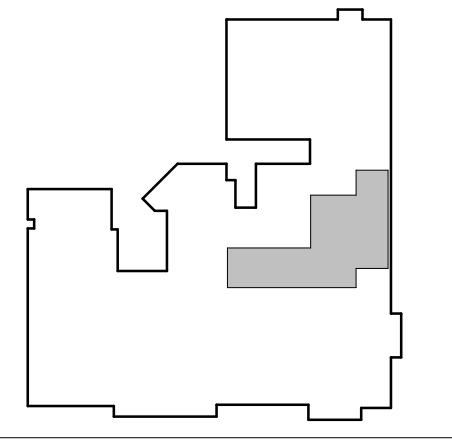
- FRONT ENTRANCE LIGHTING NOTES:**
- DISCONNECT, REMOVE AND TURN OVER TO OWNER (AT THEIR DISCRETION - OR REMOVE FROM SITE AND DISPOSE OF PROPERLY) EXISTING LIGHT FIXTURE. PROVIDE NEW LIGHT FIXTURES (AS: ADAMS VICTORIAN GLOBE PENDANT LIGHT, BRONZE, CLEAR GLASS GLOBE ORB, 3-LIGHT VERSION, 3x800mm LAMPS, 3500K 15" DIA. APPROX.) AND INSTALL IN ORIGINAL LOCATIONS. UTILIZE EXISTING CIRCUIT AND CONNECT COMPLETE. PATCHING AND PAINTING OF CEILING BY OTHERS.

**2 LEVEL 02 MAIN ENTRANCE**  
E201 Scale: 1 : 100

CLIENT LOGO



KEYPLAN



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**CLIENT**  
**WATERLOO REGION DISTRICT SCHOOL BOARD**  
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**PROJECT**  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
787 King St. W, Kitchener, ON N2G 2G5

**TITLE**  
**LIGHTING LAYOUT**

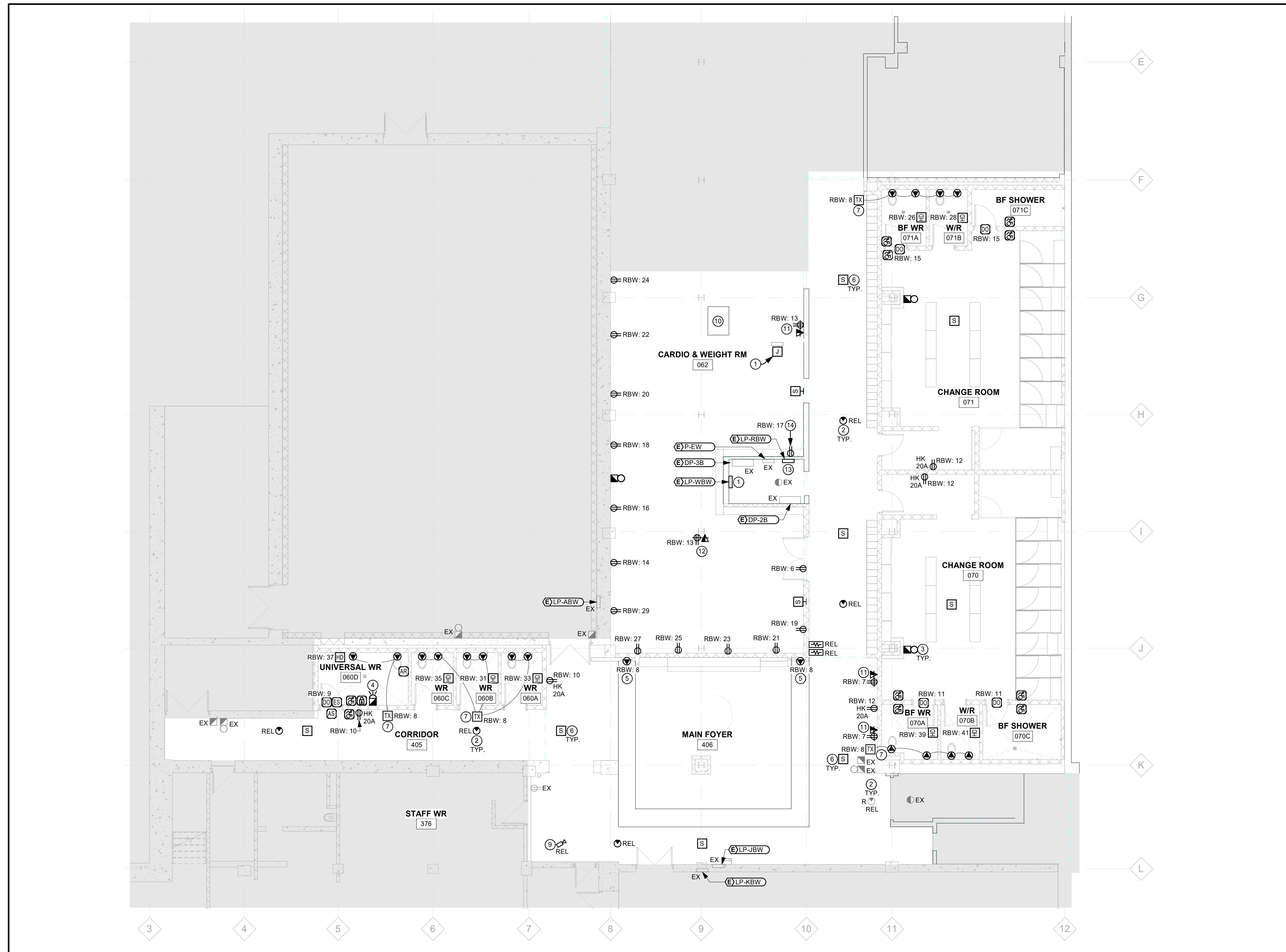
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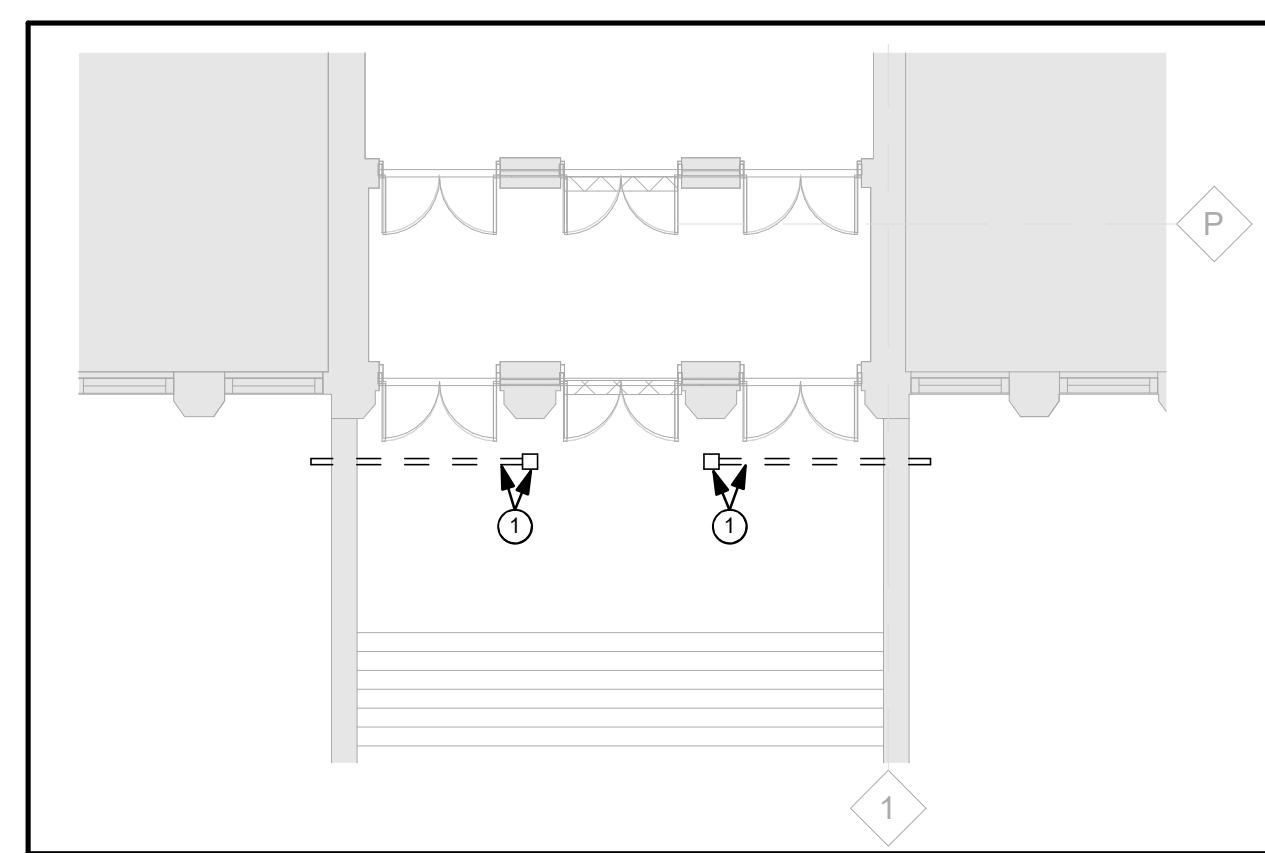
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SCALE:	AS NOTED	SHEET NO.:
DATE:	2026-02-01	<b>E201</b>
PROJECT NO.:	2025-4029-10	
DRAWN BY:	D.E.	
CHECKED BY:	T.D.	



**1 LOWER LEVEL POWER AND SYSTEMS LAYOUT**  
 E301 Scale: 1 : 100



**2 LEVEL 02 MAIN ENTRANCE**  
 E301 Scale: 1 : 100

**FRONT ENTRANCE DRAIN NOTES:**

- PROVIDE HEAT TRACE (2 PASSES AT 2 LOCATIONS) ON NEW FLOOR DRAINS AT BUILDING FRONT ENTRANCE. COORDINATE EXACT LENGTH AND DETAILS ON SITE PRIOR TO ORDERING MATERIALS. PROVIDE THE FOLLOWING COMPONENTS (OR APPROVED EQUALS) AND ALL REQUIRED COMPONENTS FOR A COMPLETE INSTALLATION:  
 CABLE - RAYCHEM GM-1XT ICESTOP HEATING CABLE (120V)  
 CONTROLLER - RAYCHEM ECW-GF ELECTRONIC (SENSING AMBIENT AIR). C/W 30mA GROUND FAULT PROTECTION  
 POWER CONNECTION GLAND - RAYCHEM C75-100-A (TO BE CONNECTED VIA Y-FITTING)  
 END SEAL CONNECTOR - RAYCHEM RAYCLIC-E END SEAL

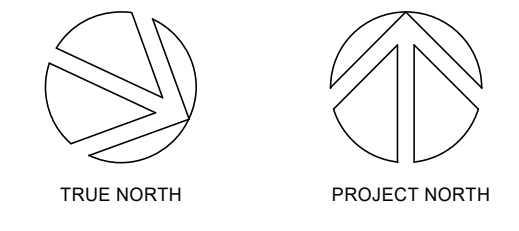
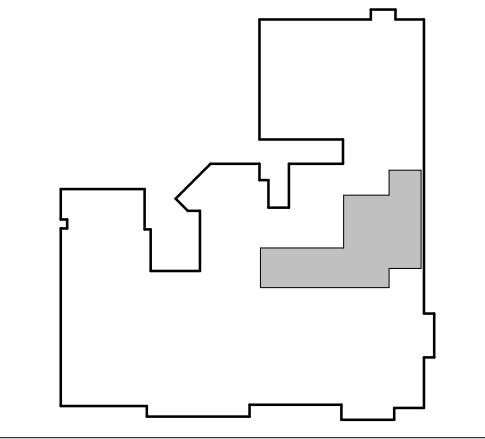
**ELECTRICAL NOTES:**

- EXISTING PANEL LP-WBW TO BE REPLACED WITH NEW IN EXISTING ELECTRICAL ROOM. PROVIDE SUITABLE SPLICE AND EXTEND FEEDER TO NEW LOCATION IN ELECTRICAL ROOM. PROVIDE JUNCTION BOX ABOVE ORIGINAL PANEL LOCATION TO SPLICE EXISTING CIRCUITS AND EXTEND TO NEW PANEL LOCATION. PROVIDE BREAKERS TO MATCH EXISTING RATINGS - SEE PANEL SCHEDULE.
- EXISTING CEILING MOUNTED FIRE ALARM DEVICES ARE TO BE REINSTALLED IN LOCATIONS SHOWN ON NEW CEILING AND RE-VERIFIED.
- WIRE NEW FIRE ALARM DEVICES TO EXISTING LOCAL DETECTION AND NOTIFICATION CIRCUITS.
- PROVIDE FIRE ALARM STROBE IN UNIVERSAL WASHROOM AND ALL REQUIRED COMPONENTS (POWER SUPPLY, WIRING, ETC.) TO ENABLE THIS FUNCTIONALITY.
- PROVIDE GFCI CIRCUIT FOR NEW BOTTLE FILLER.
- PROVIDE NEW PAGING SYSTEM SPEAKERS COMPATIBLE WITH EXISTING PAGING SYSTEM AND CONNECT TO EXISTING CIRCUITS(S).
- TRANSFORMERS FOR WASHROOM FIXTURES REQUIRING POWER ARE TO BE LOCATED ABOVE NEAREST ACCESSIBLE CEILING.
- UPDATE ALL PANEL SCHEDULES WHERE REQUIRED TO REFLECT CHANGES MADE DURING RENOVATION.
- LOCATION OF RELOCATED SECURITY CAMERA. COORDINATE FINAL LOCATION AND AIMING WITH OWNER'S SECURITY INSTALLER AS REQUIRED.
- PROVIDE 208V, 15A, 3PH CIRCUIT TO FEED FAN POWERED BOX. UTILIZE EXISTING SPARE 15A, 3 POLE BREAKER IF AVAILABLE OR PROVIDE NEW AS REQUIRED.
- NEW WALL MOUNTED TV MONITOR LOCATION. COORDINATE FINAL LOCATION/MOUNTING HEIGHT OF POWER AND DATA DEVICES - TO BE HIDDEN BEHIND SCREEN.
- NEW CEILING MOUNTED TV MONITOR LOCATION. COORDINATE FINAL LOCATION/MOUNTING HEIGHT OF POWER AND DATA DEVICES AT COLUMN/CEILING.
- NEW PANEL LP-RBW TO REPLACE EXISTING PANEL IN ORIGINAL LOCATION. CONNECT TO EXISTING POWER SUPPLY AT THIS LOCATION. REFER TO PANEL SCHEDULE ON DRAWING E901 (120/208V, 100A, 3PH, 4W, 42 CCT). CIRCUITS 1-5 ARE EXISTING LOADS - RECONNECT TO EXISTING CIRCUITS.
- SOUND SYSTEM TO BE INSTALLED AT APPROX. THIS LOCATION. ALL SOUND SYSTEM SPEAKERS ARE TO TERMINATE AT EQUIPMENT AT THIS LOCATION.

CLIENT LOGO



KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR 100% CD	2026-03-05
2	ISSUED FOR BID AND PERMIT	2026-03-26

CLIENT

**WATERLOO REGION DISTRICT SCHOOL BOARD**

51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT

**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**

787 King St. W, Kitchener, ON N2G 2G5

TITLE

**POWER AND SYSTEMS LAYOUT**

**WALTERFEDY**

TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON

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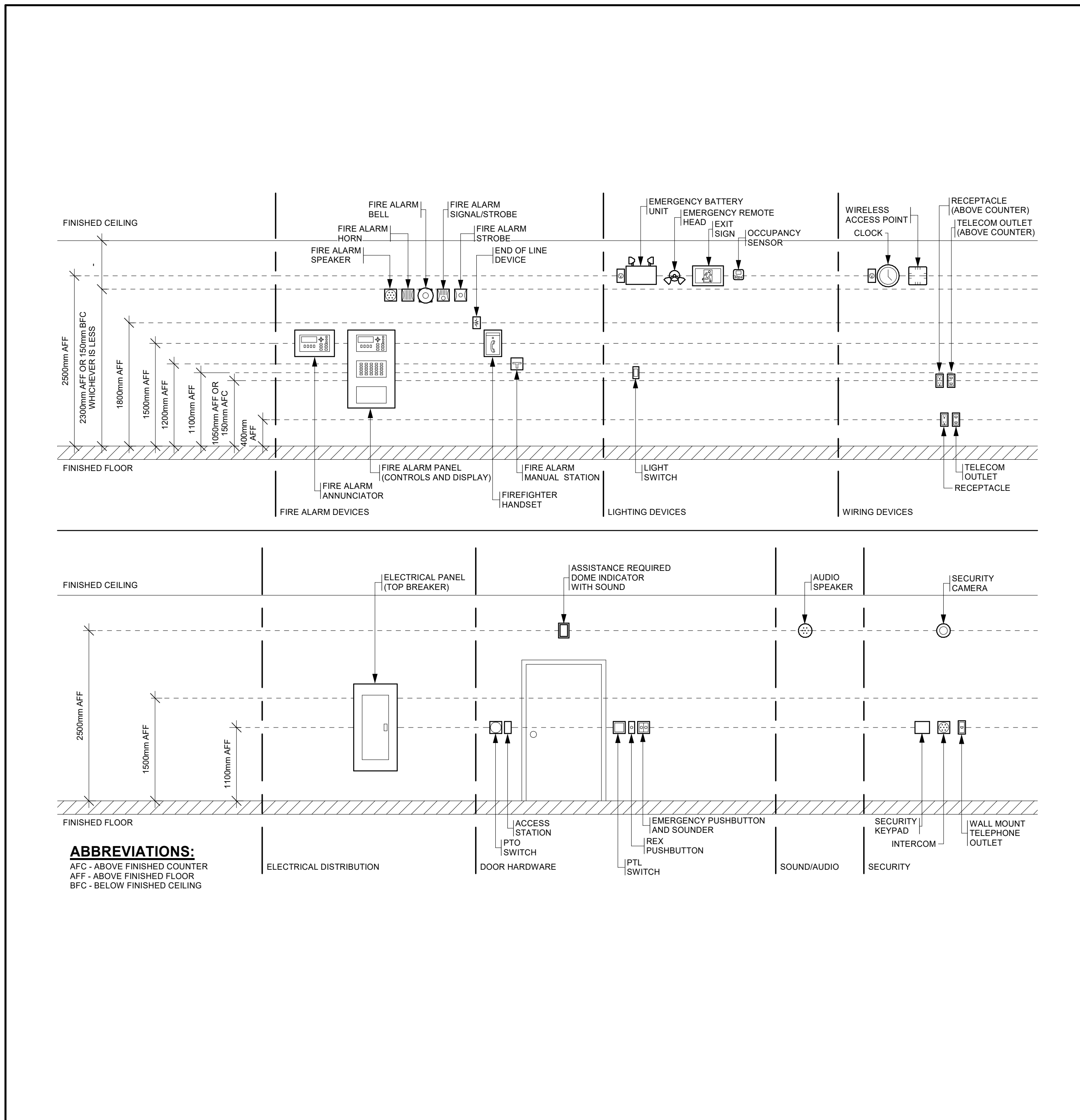
SEAL



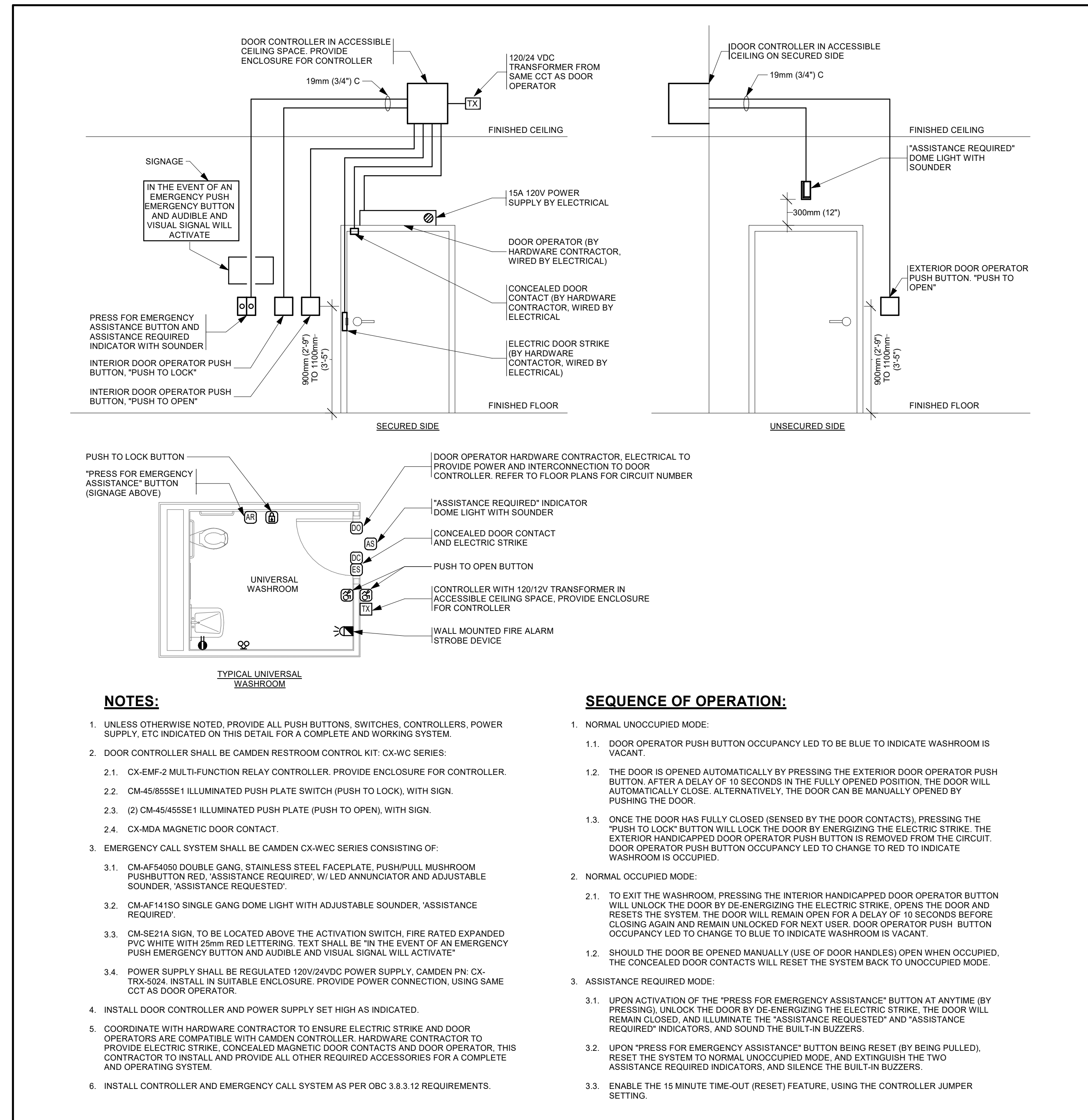
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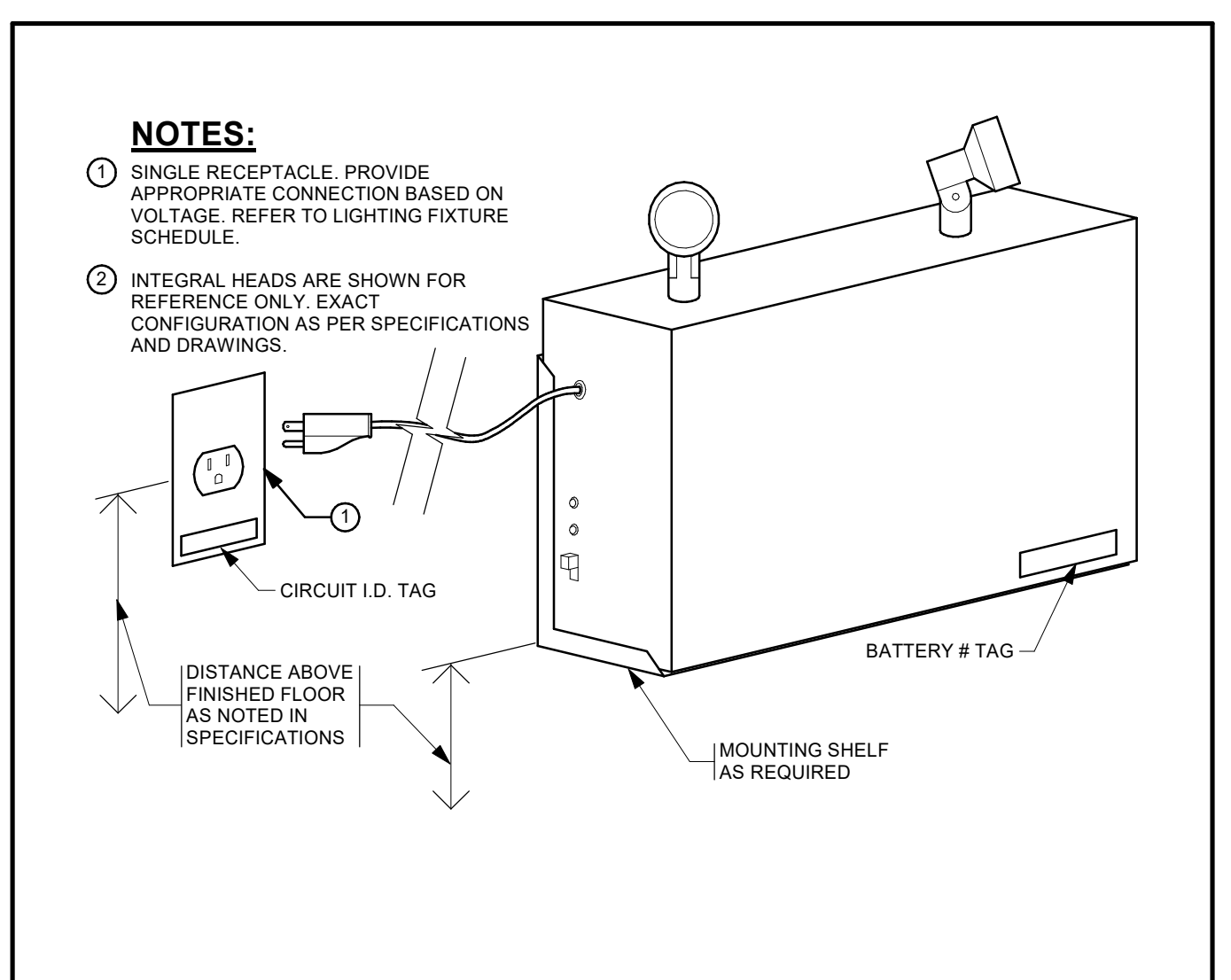
SCALE:	AS NOTED	SHEET NO.:
DATE:	2026-02-01	<b>E301</b>
PROJECT NO.:	2025-4029-10	
DRAWN BY:	D.E.	
CHECKED BY:	T.D.	



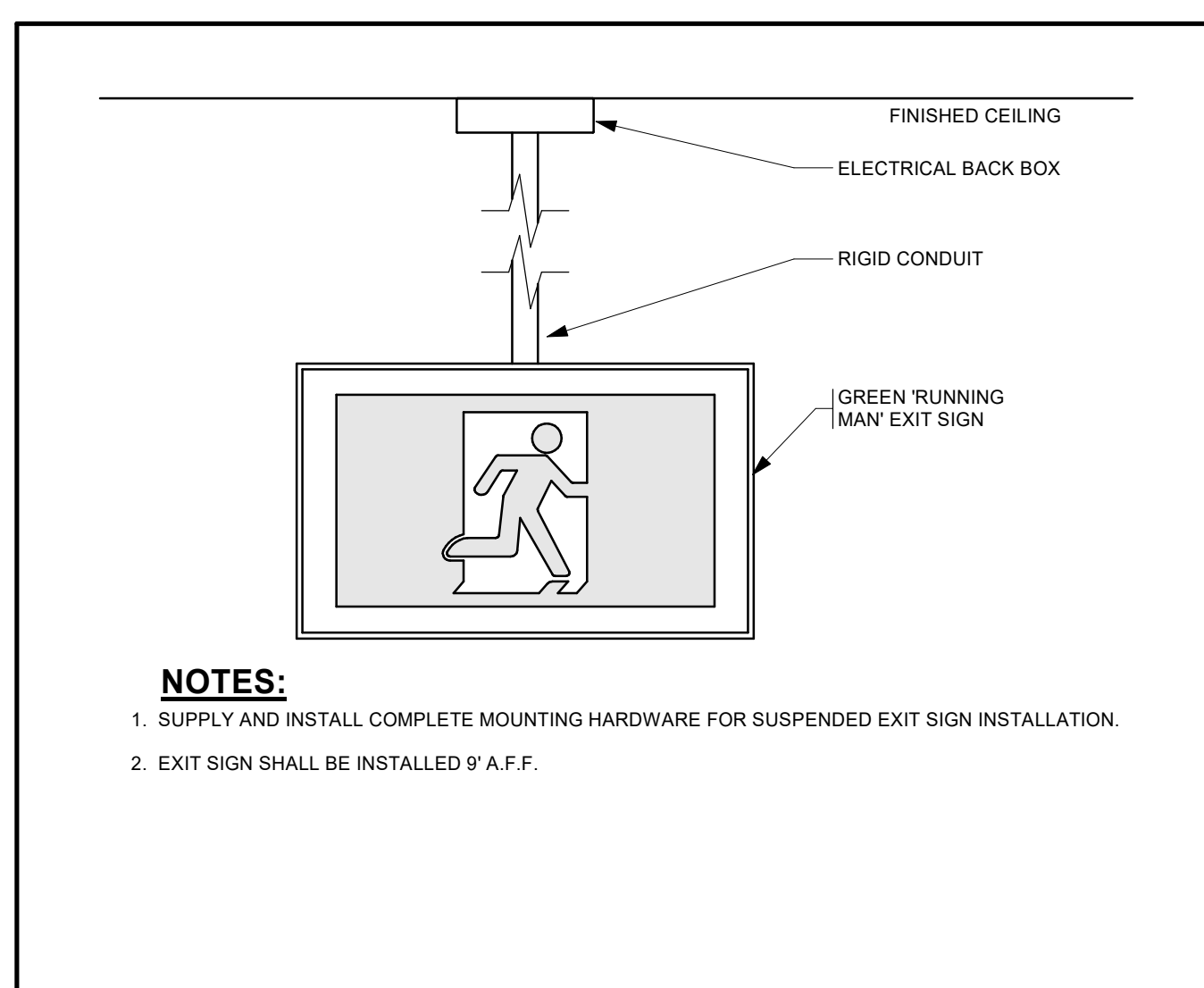
1 GEN Mounting Heights (New)  
 E802 Scale: N.T.S.



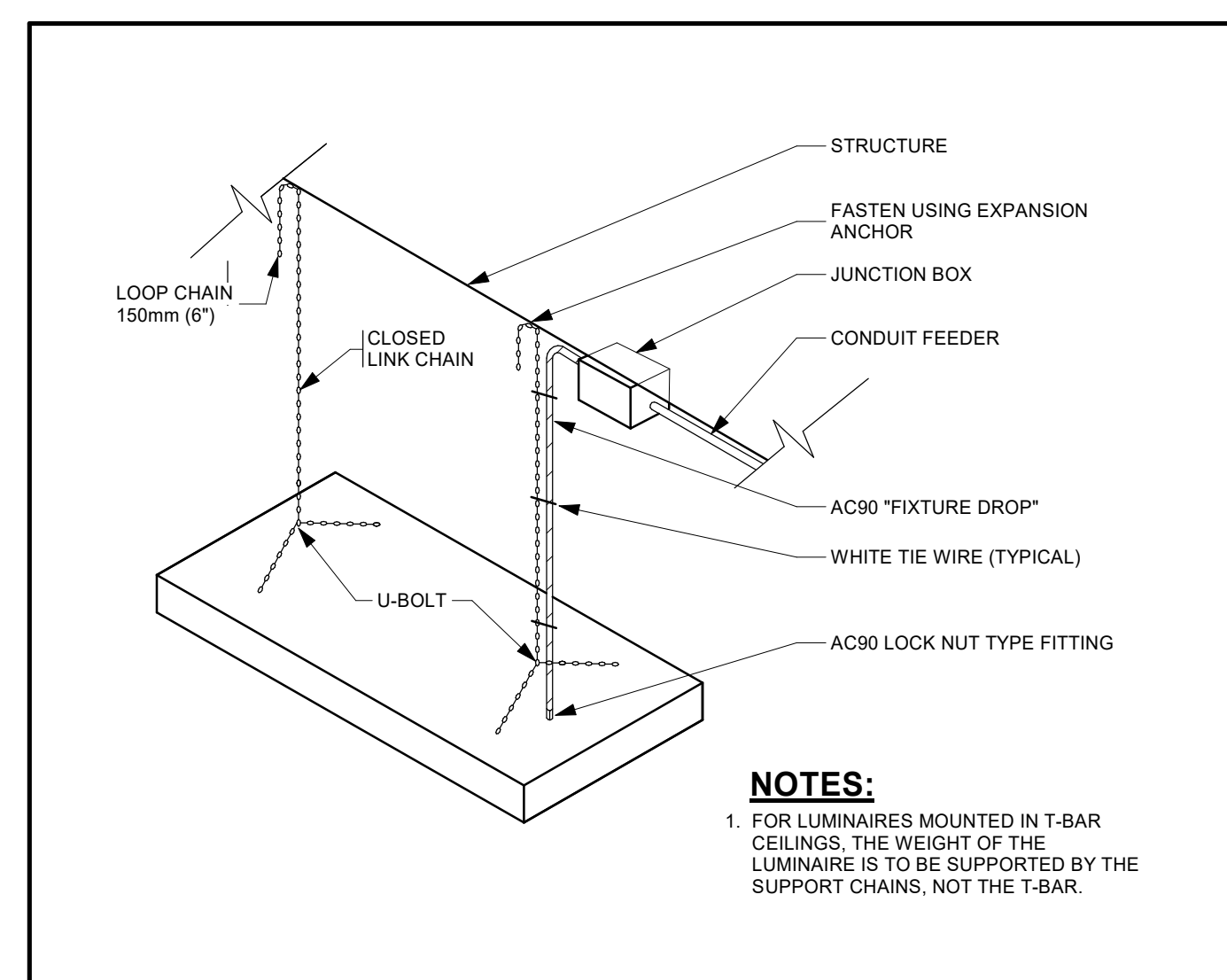
2 TYPICAL UNIVERSAL WASHROOM DETAIL  
 E802 Scale: N.T.S.



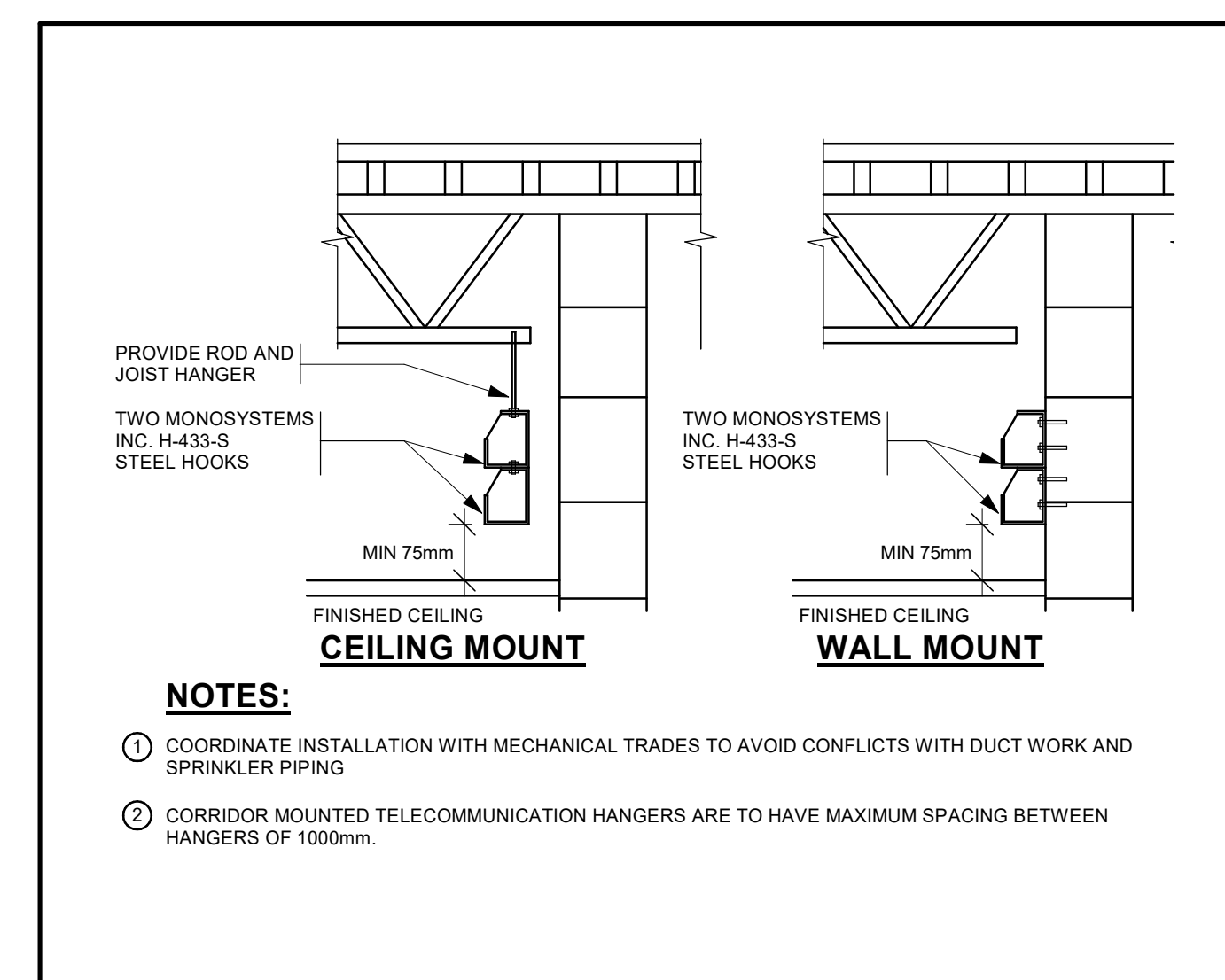
3 LTG Emergency Lighting Battery Unit Installation Detail (New)  
 E802 Scale: N.T.S.



4 LTG Pendant Mount Exit Sign (New)  
 E802 Scale: N.T.S.



5 LTG Recessed Fixture Support (New)  
 E802 Scale: N.T.S.



6 CORRIDOR TELECOMMUNICATIONS HANGER DETAIL  
 E802 Scale: N.T.S.

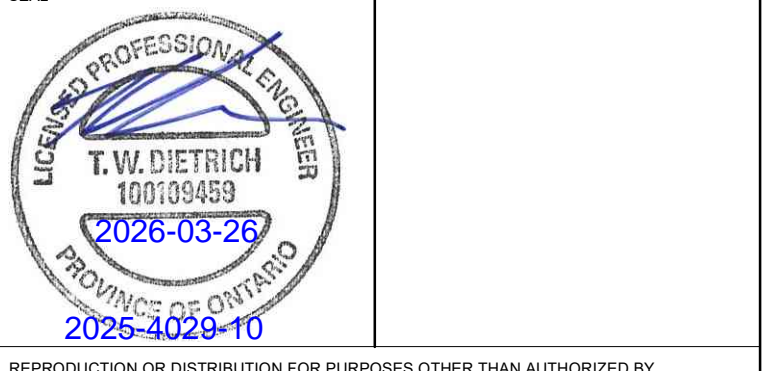
No.	ISSUANCE	DATE
1	ISSUED FOR 100% CD	2026-03-05
2	ISSUED FOR BID AND PERMIT	2026-03-26

CLIENT  
**WATERLOO REGION DISTRICT SCHOOL BOARD**  
 51 Ardelt Ave., Kitchener, ON N2C 2R5

PROJECT  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
 787 King St. W., Kitchener, ON N2G 2G5

TITLE  
**ELECTRICAL DETAILS**

**WALTERFEDY**  
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SCALE: AS NOTED SHEET NO:  
 DATE: 07/30/21  
 PROJECT NO: 2025-4029-10  
 DRAWN BY: D.E.  
 CHECKED BY: T.D.

**E802**

LIGHTING FIXTURE SCHEDULE																				
TAG	DESCRIPTION	MANUFACTURER	SERIES	NOMINAL SIZE	PHYSICAL CHARACTERISTICS						ELECTRICAL CHARACTERISTICS							ACCESSORIES	NOTES	REV
					HOUSING RATING	MATERIAL	COLOUR	FINISH	MOUNTING TYPE	HEIGHT	OPTIC	VOLTS	LOAD	LUMENS	CCT	CRI	DRIVER			
BU: EMERGENCY BATTERY UNIT																				
BU1	EMERGENCY BATTERY UNIT	STANPRO			DRY	STL	WHITE	PWD	WALL			120 V	100 VA							
L: LINEAR																				
F1	2' LED DECORATIVE LINEAR	JLC TECH	T-BAR LED	24" x 3" x 3"	DRY	ALU	BLACK	ANO	SUSPENDED	CEILING	BLOCK FROSTED DIFFUSING LENS	120 V	40 VA	586lm/ft		3500K	DIM10	UNIVERSAL MOUNTING BRACKETS SUITABLE FOR MOUNTING IN SPECIALTY WOOD CEILING		
F2	5' LED DECORATIVE LINEAR	JLC TECH	T-BAR LED	60" x 3" x 3"	DRY	ALU	BLACK	ANO	SUSPENDED	CEILING	BLOCK FROSTED DIFFUSING LENS	120 V	40 VA	586lm/ft		3500K	DIM10	UNIVERSAL MOUNTING BRACKETS SUITABLE FOR MOUNTING IN SPECIALTY WOOD CEILING		
G	8' SUSPENDED LED LINEAR	LITHONIA	LL	96" x 3" x 3"	DAMP	ALU	WHITE	PWD	SUSPENDED	MAX HT.	FROSTED POLYCARBONATE DIFFUSER	120 V	40 VA	8000lm		3500K	DIM10			
N: NICHE/COVE																				
N10	LED DISPLAY CASE LIGHTING	LITHONIA	ZL1D		DRY	STL	WHITE	PWD	SURFACE			120 V	5 W/ft	3000lm		3500K	DIM10	MOUNTED IN DISPLAY CASE		
T: TROFFER																				
A	2'x4' LED EDGE-LIT FLAT PANEL	LITHONIA	CPX LED	48" x 24" x 3"	DRY	STL	WHITE	PWD	RECESSED	CEILING	ACRYLIC MATTE SATIN WHITE LENS	120 V	40 VA	4000lm		3500K	DIM10			
B	LED LOW PROFILE WRAPAROUND	LITHONIA	FMLWL LED	48" x 7 3/4" x 3"	DRY	STL	WHITE	PWD	SURFACE	CEILING	FROSTED DIFFUSER	120 V	33 VA	3000lm		3500K	DIM10			
C	1'x4' LED WET LOCATION FLAT PANEL	LITHONIA	CPXP LED	48" x 12" x 3"	WET	STL	WHITE	PWD	RECESSED	CEILING	ACRYLIC MATTE SATIN WHITE LENS	120 V	32 VA	3200lm		3500K	DIM10			
X: EXIT SIGNAGE																				
X10	RUNNING MAN EXIT SIGN	STANPRO		2" x 12" x 7 1/2"	DRY	STL	WHITE	PWD	SUSPENDED	CEILING		120 V	2 VA							

**LIGHTING FIXTURE SCHEDULE NOTES:**


- PRODUCTS OTHER THAN THOSE LISTED WILL BE CONSIDERED. OTHER PRODUCTS MUST BE CAPABLE OF PROVIDING THE SAME LEVEL OF PERFORMANCE, INCLUDING CONTROL CAPACITY, AS THE BASIS OF DESIGN PRODUCTS NAMED. SUBMIT PRODUCT DATA IN ACCORDANCE WITH THE 'LIGHTING' SECTION OF THE ELECTRICAL SPECIFICATIONS.
- ALL INTERIOR LIGHTING FIXTURES SHALL HAVE A MINIMUM CRI OF 80; EXTERIOR FIXTURES SHALL HAVE A MINIMUM CRI OF 70. WHENEVER A CRI OF 80+ OR HIGHER IS CALLED FOR IN THE SCHEDULE, A R9 VALUE OF >50 SHALL ALSO BE PROVIDED.
- ALL LED DRIVERS SHALL BE FREE OF NOTICABLE FLICKER AS DETERMINED BY THE OWNER AND/OR CONSULTANT. DIMMING DRIVERS SHALL PROVIDE SMOOTH AND CONTINUOUS DIMMING. ANY LED DRIVER THAT PRODUCES NOTICABLE FLICKER SHALL BE REPLACED BY THE LUMINAIRE MANUFACTURER FREE OF CHARGE.
- UNLESS NOTED OTHERWISE, ALL FIXTURES SHALL HAVE INTEGRAL 0-10V DIMMABLE DRIVERS WITH A DIMMING RANGE OF 100% TO 10% MINIMUM.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE PRODUCTS SUPPLIED AND INSTALLED ARE COMPATIBLE WITH THE LIGHTING CONTROL SYSTEM AND/OR DEVICES. THE CONTRACTOR SHALL PROVIDE THE CONTROLS SYSTEM MANUFACTURER OF THEIR CHOICE WITH A COPY OF ALL DRAWINGS AND SCHEDULES.

<b>HOUSING RATING TYPES:</b> DRY - DRY LOCATION DAMP - DAMP LOCATION WET - WET LOCATION OUT - IP65 MIN / COLD RATED IPXX - IP XX RATING NEXX - NEMA XX RATING ZNXX - ZONE XX RATING VAN - VANDAL RESISTANT	<b>HOUSING FINISH TYPES:</b> ANO - ANODIZED BRU - BRUSHED PNT - PAINTED PXD - POWDER COATED TEX - TEXTURED	<b>OPTIC TYPES:</b> DIF - DIFFUSE OPTIC BAT - BATHING SPXX - SPOT OPTIC XX DEGREES TYPX - OUTDOOR TYPE X OPTIC WW - WALL WASH ELI - ELIPTICAL STPX - STEP LENS X"	<b>DRIVER TYPES:</b> NON - NON-DIMMING BI - BI-LEVEL OUTPUT DIM1 - 0-10V 1% DIMMING OUTPUT DIM10 - 0-10V 10% DIMMING OUTPUT DALI - DALI BIOS - BIOS DMX - DIGITAL MULTIPLEX WIR - WIRELESS REM - REMOTE	<b>ACCESSORIES TYPES:</b> AT - AUTO-TEST EM - UL524 EMERGENCY TRANSFER
--	---	--	--	--

Branch Panel: LP-WBW										NEW	
Location:		Supply From:		Mounting:		Enclosure:		Manufacturer:		Model:	
120/208 Wye		SURFACE		NEMA 2		NEMA 2		NEMA 2		COPPER	
Volts: 120/208 Wye		Phases: 3		Wires: 4		A.I.C. Rating: 10KAIC		Mains Type: MLO		Mains Rating: 200 A	
MCS Rating: 200 A		Bus Material: COPPER									
Notes: Not all breaker rating labels were visible, confirm ratings before ordering new panel and breakers											
CCT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CCT	
1	* EXISTING LOAD	15 A	2	0	0		2	15 A	* EXISTING LOAD	2	
3										4	
5	* EXISTING LOAD	15 A	2	0	0	0	2	15 A	* EXISTING LOAD	6	
7										8	
9	* EXISTING LOAD	15 A	2		0	0	2	15 A	* EXISTING LOAD	10	
11										12	
13	* EXISTING LOAD	15 A	2	0	0		2	15 A	* EXISTING LOAD	14	
15										16	
17	* EXISTING LOAD	15 A	2	0	0	0	2	15 A	* EXISTING LOAD	18	
19										20	
21	* EXISTING LOAD	20 A	2		0	0	2	40 A	* EXISTING LOAD	22	
23										24	
25	* EXISTING LOAD	15 A	1	0	0		1	15 A	* EXISTING LOAD	26	
27	* EXISTING LOAD	15 A	1		0	0	1	15 A	* EXISTING LOAD	28	
29	* EXISTING LOAD	15 A	1			0	1	15 A	* EXISTING LOAD	30	
31	* EXISTING LOAD	15 A	1	0	0		1	15 A	* EXISTING LOAD	32	
33	* EXISTING LOAD	15 A	1		0	0	1	15 A	* EXISTING LOAD	34	
35	* EXISTING LOAD	20 A	2		0	0	2	15 A	* EXISTING LOAD	36	
37										38	
39	* EXISTING LOAD	20 A	2	0	0	0	2	15 A	* EXISTING LOAD	40	
41										42	
Total Load:				0 kW	0 kW	0 kW					
Total Amps:				0 A	0 A	0 A					
Legend:											
ALL BREAKERS SHALL BE NEW UNLESS OTHERWISE NOTED				GFCI - GROUND FAULT CIRCUIT INTERRUPT				AFCI - ARC FAULT CIRCUIT INTERRUPT			
* - BREAKER MADE AVAILABLE BY DEMOLITION				* - EXISTING BREAKER				M - METER			
ST - SHUNT TRIP											

Branch Panel: LP-RBW										NEW	
Location:		Supply From:		Mounting:		Enclosure:		Manufacturer:		Model:	
120/208 Wye		SURFACE		NEMA 2		NEMA 2		NEMA 2		COPPER	
Volts: 120/208 Wye		Phases: 3		Wires: 4		A.I.C. Rating: 10KAIC		Mains Type: MLO		Mains Rating: 100 A	
MCS Rating: 200 A		Bus Material: COPPER									
Notes: THIS PANEL REPLACES											
CCT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CCT	
1	* PANEL RECEPTACLE	15 A	1	0	0		1	15 A	* CARDIO RM RECEPTACLE	2	
3	* CARDIO RM RECEPTACLE	20 A	1		0	0	1	15 A	* CARDIO RM RECEPTACLE	4	
5	* CARDIO RM RECEPTACLE	20 A	1			0	0	0.18	1	15 A	
7	CORRIDOR MONITORS	15 A	1	0.36	0.4		1	15 A	BOTTLE FILLERSWR...	8	
9	DOOR OPERATOR - 060D	15 A	1		0.01	0.36	1	20 A	HOUSEKEEPING RECEPTACLES	10	
11	DOOR OPERATOR - 070A	15 A	1		0.01	0.54	1	20 A	HOUSEKEEPING RECEPTACLES	12	
13	TV MONITORS - 062	15 A	1	0.36	0.18		1	15 A	FITNESS EQUIP - 062	14	
15	DOOR OPERATORS - 071A/071C	15 A	1		0.01	0.18	1	15 A	FITNESS EQUIP - 062	16	
17	SOUND SYSTEM - 062	15 A	1			0.18	0.18	1	15 A	FITNESS EQUIP - 062	
19	FITNESS EQUIP - 062	15 A	1	0.18	0.18		1	15 A	FITNESS EQUIP - 062	20	
21	FITNESS EQUIP - 062	15 A	1		0.18	0.18	1	15 A	FITNESS EQUIP - 062	22	
23	FITNESS EQUIP - 062	15 A	1		0.18	0.18	1	15 A	FITNESS EQUIP - 062	24	
25	FITNESS EQUIP - 062	15 A	1	0.18	0.8		1	15 A	HAND DRYER	26	
27	FITNESS EQUIP - 062	15 A	1		0.18	0.8	1	15 A	HAND DRYER	28	
29	FITNESS EQUIP - 062	15 A	1			0.18				30	
31	HAND DRYER	15 A	1	0.8						32	
33	HAND DRYER	15 A	1		0.8					34	
35	HAND DRYER	15 A	1			0.8	0	1	15 A	SPARE	
37	HAND DRYER	15 A	1	0.8	0			1	15 A	SPARE	
39	HAND DRYER	15 A	1		0.8	0		1	15 A	SPARE	
41	HAND DRYER	15 A	1			0.8	0	1	15 A	SPARE	
Total Load:				3.149 kW	2.645 kW	2.284 kW					
Total Amps:				27 A	23 A	19 A					
Prefix Legend:											
ALL BREAKERS SHALL BE NEW UNLESS OTHERWISE NOTED				GFCI - GROUND FAULT CIRCUIT INTERRUPT				AFCI - ARC FAULT CIRCUIT INTERRUPT			
* - BREAKER MADE AVAILABLE BY DEMOLITION				* - EXISTING BREAKER				M - METER			
ST - SHUNT TRIP											

CLIENT LOGO



CLIENT

**WATERLOO REGION DISTRICT SCHOOL BOARD**  
51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT


**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
787 King St. W, Kitchener, ON N2G 2G5

TITLE

**ELECTRICAL SCHEDULES**

**WALTERFEDY**  
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SEAL



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DATE:	07/30/21		
PROJECT NO.:	2025-4029-10		
DRAWN BY:	D.E.		
CHECKED BY:	T.D.		

EXHAUST GRILLE SCHEDULE										
TAG	MANUFACTURER	MODEL	TYPE	MOUNTING	DUCT DIMENSIONS		FINISH	MATERIAL	REMARKS	
					LENGTH	WIDTH				
E1	PRICE	530	STEEL LOUVERED GRILLE	GYPSPUM	150	150	B12 - STANDARD WHITE	STEEL	EXHAUST WITH 45 Deg. DEFLECTION 19mm-3/4 in. BLADE SPACING	
E2	PRICE	630	ALUMINUM LOUVERED GRILLE	GYPSPUM	150	150	B12 - STANDARD WHITE	ALUMINUM	EXHAUST WITH 45 Deg. DEFLECTION 19mm-3/4 in. BLADE SPACING	

RETURN GRILLE SCHEDULE										
TAG	MANUFACTURER	MODEL	TYPE	MOUNTING	DUCT DIMENSIONS		FINISH	MATERIAL	REMARKS	
					LENGTH	WIDTH				
R1	PRICE	80	EGG CRATE GRILLE	DUCT	150	300	B12 - STANDARD WHITE	STEEL	EGG CRATE GRILLE	

SUPPLY DIFFUSER SCHEDULE										
TAG	MANUFACTURER	MODEL	TYPE	MOUNTING	FACE DIMENSIONS		FINISH	MATERIAL	REMARKS	
					LENGTH	WIDTH				
S1	PRICE	510	STEEL LOUVERED GRILLE	DUCT	200	350	B12 - STANDARD WHITE	STEEL	SINGLE DEFLECTION	

DRINKING FOUNTAIN SCHEDULE										
TAG #	MANUFACTURER	MODEL	LENGTH	WIDTH	HEIGHT	TRIM	TRAP & WASTE	SUPPORT	REMARKS	
BF-1	ELKAY	EDFP19C	457	241	608	N/A	N/A	WALL MOUNTED	COMPLETE WITH LK109 D BOTTLE FILLER OPTION. PROVIDE TRAP IN WALL BELOW DRINKING FOUNTAIN.	

WATER CLOSET SCHEDULE										
TAG #	MANUFACTURER	MODEL	FLUSHING ACTION	SEAT	ACCESSORIES	SUPPORT	REMARKS			
WC-1	AMERICAN STANDARD	MADERA 419mm (16-1/2") HEIGHT 3461 160	AUTOMATIC FLUSH VALVE 81T201BTA WITH ACCESSORY 061089A	AMERICAN STANDARD #5901 100 HEAVY DUTY OPEN FRONT SEAT LESS COVER	FLANGE, GASKET, NUTS, BOLTS, AND CAPS	FLOOR MOUNTED	1 PIECE, VITREOUS CHINA, HIGH EFFICIENCY, LOW CONSUMPTION 1.3 GPF. ELONGATED RIM. AUTOMATIC FLUSH, FOR BARRIER FREE FIXTURES, FLUSHING BUTTON TO BE ON ACCESS SIDE.			

LAVATORY SCHEDULE										
TAG #	MANUFACTURER	MODEL	HEIGHT	WIDTH	TRIM	SUPPLY	SHROUD	TRAP	SUPPORT	REMARKS
L-1	AMERICAN STANDARD	MURRO UNIVERSAL DESIGN 0954 000 VITREOUS CHINA BARRIER FREE	559	540	DELTA 22C101 CENTERSET LESS POP-UP (NO POP-UP HOLE)	ZURN 8743-PC	AMERICAN STANDARD 0059 020	ZURN 28700-PC-B-D	Z-1231-D-CU	4" CENTRES, HOT AND COLD WATER, OPEN GRID STRAINER, 1.0 GPM VANDAL-RESISTANT AERATOR, INSTALL TRAP TIGHT TO WALL, INSULATE DRAIN AND HOT WATER LINE.

SHOWER SCHEDULE										
TAG #	MANUFACTURER	MODEL	MIXING VALVE	TRIM	SHOWER HEAD	REMARKS				
SH-1	DELTA	T13H153	PB413 SERIES PRESSURE BALANCING COMPLETE WITH STOPS AND CHECK AND LEVER HANDLES	ALL METAL CONSTRUCTION	T13H153	LIMIT STOPS, VOLUME CONTROL. SHOWER HEAD MOUNTED ON GRAB BAR WITH ADJUSTABLE HEIGHT. SHOWER HEAD ON HOSE.				

FAN POWERED BOX SCHEDULE																								
TAG #	MANUFACTURER	MODEL	AIR FLOW	ESP	POWER	V	Ph	Hz	HEATING COIL			FLUID TYPE	TOTAL CAPACITY	EAT	LAT	PRESSURE DROP	FLUID FLOW	EWT	LWT	PRESSURE DROP	L	W	H	REMARKS
									FLUID	FLUID SIDE	FLUID SIDE													
FPB-1	PRICE	FDC 20	590 L/s	0.06 kPa	373 W	208	3	60	WATER	7.8 kW	23 °C	32 °C	0.04 kPa	0.13 L/s	93 °C	77 °C	1.52 kPa	1263	1075	463				

RADIANT PANEL SCHEDULE													
TAG #	MANUFACTURER	MODEL	NUMBER OF TUBE PASSES	HEATING CAPACITY PER LINEAR METER (LM)	TOTAL HEATING CAPACITY	ROOM TEMPERATURE	AWT	DIMENSIONS			PRESSURE DROP PER METRE	FLUID FLOW RATE	REMARKS
								L	W	H			
RP-1	SIGMA	SLC-12-4	4	433 W	452 W	21.1 °C	85.0 °C	1347	600	88	0.0 kPa	0.6 L/min	PROVIDE EXTRUDED T-FRAMES FOR MOUNTING INTO DRYWALL CEILING
RP-2	SIGMA	SLC-12-4	4	433 W	4182 W	21.1 °C	85.0 °C	9953	600	88	0.0 kPa	3.7 L/min	PROVIDE EXTRUDED T-FRAMES FOR MOUNTING INTO DRYWALL CEILING
RP-3	SIGMA	SLC-12-4	4	433 W	3936 W	21.1 °C	85.0 °C	9385	600	88	0.0 kPa	3.6 L/min	PROVIDE EXTRUDED T-FRAMES FOR MOUNTING INTO DRYWALL CEILING
RP-4	SIGMA	SLC-12-4	4	433 W	727 W	21.1 °C	85.0 °C	1981	600	88	0.0 kPa	0.8 L/min	PROVIDE EXTRUDED T-FRAMES FOR MOUNTING INTO DRYWALL CEILING

MECHANICAL LEGEND	
	SUPPLY OR OUTDOOR AIR DUCTWORK
	RETURN OR EXHAUST AIR DUCTWORK
	EXISTING EQUIPMENT/DUCTWORK TO REMAIN
	EQUIPMENT/DUCTWORK EXISTING TO BE REMOVED
	MANUAL BALANCING DAMPER
	EXISTING
	CONNECT TO EXISTING
	EXISTING COLD WATER TO REMAIN
	COLD WATER
	EXISTING HOT WATER TO REMAIN
	HOT WATER
	EXISTING SANITARY BELOW TO REMAIN
	SANITARY BELOW
	EXISTING HEATING WATER SUPPLY TO REMAIN
	HEATING WATER SUPPLY
	EXISTING HEATING WATER RETURN TO REMAIN
	HEATING WATER RETURN
	EXISTING TO BE REMOVED
	LAVATORY
	WC WATER CLOSET
	U URINAL
	SH SHOWER
	BF BOTTLE FILLER
	FD FLOOR DRAIN
	CO CLEAN OUT
	FLOOR CLEAN OUTS
	SHUT-OFF VALVE
	AUTOMATIC CONTROL VALVE (ACV)
	CIRCUIT BALANCING VALVE

**GENERAL DEMOLITION NOTES**

- A DRAWINGS ARE GENERALLY DIAGRAMATIC. CONTRACTOR IS RESPONSIBLE FOR LAYING OUT MATERIAL IN CONJUNCTION WITH THE INTENT OF THESE DRAWINGS.
- B DRAWINGS ARE TO BE INTERPRETED IN CONJUNCTION WITH ALL OTHER DISCIPLINE DRAWINGS AND SPECIFICATIONS.
- C SYSTEMS CONNECT TO EXISTING SERVICES. ALLOW FOR ADDITIONAL FITTINGS AND OFFSETS AS REQUIRED IN ORDER TO CONNECT TO EXISTING. ALSO, ALLOW FOR ADDITIONAL LABOUR AND MATERIAL IN ORDER TO ADJUST DESIGNS TO AVOID INTERFERENCE WITH EXISTING SERVICES.
- D TEMPORARY MEASURES SHALL BE DONE IN ORDER TO MAINTAIN SERVICES TO ALL OCCUPIED PORTIONS OF THE BUILDING DURING CONSTRUCTION. COORDINATE WITH THE OWNER FOR ANY REQUIRED SHUT-DOWNS, WHICH SHALL BE AFTER HOURS OR WEEKENDS. PROVIDE TEMPORARY MATERIALS TO ALLOW FOR SWITCH-OVERS OR SHUT-DOWNS. TEMPORARY SERVICES MATERIAL AND INSTALLATION SHALL MEET THE SPECIFICATIONS UNLESS SPECIFICALLY APPROVED BY THE CONSULTANT.
- E CONTRACTOR IS TO REVIEW EXISTING EQUIPMENT CONNECTIONS AND LAYOUT BEFORE DEMOLITION. ANY EQUIPMENT TO BE RE-INSTALLED SHALL BE INSTALLED PER MANUFACTURERS WRITTEN INSTRUCTIONS AND APPLICABLE CODES.
- F CONTRACTOR TO ASSESS CONDITION OF EXISTING DUCTWORK PRIOR TO CONNECTIONS/MODIFICATIONS FOR SUITABILITY OF RE-USE. ANY DAMAGES TO DUCTWORK TO BE REPORTED TO CONSULTANT/ARCHITECT.
- G PRIOR TO CONSTRUCTION DEMOLITION, COMPLETE PRELIMINARY AIR TESTING TO ESTABLISH BASELINE AIRFLOW TO ZONE AND PROVIDE REPORT TO CONSULTANT FOR REVIEW.

**GENERAL NOTES**

- A DRAWINGS ARE GENERALLY DIAGRAMATIC. CONTRACTOR IS RESPONSIBLE FOR LAYING OUT MATERIAL IN CONJUNCTION WITH THE INTENT OF THESE DRAWINGS.
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- E REMOVE AND REINSTALL EXISTING CEILING AS REQUIRED TO COMPLETE DEMOLITION AND NEW INSTALLATIONS.
- F COORDINATE LOCATION OF ACCESS DOORS IN GWB CEILING WITH OTHER TRADES. PROVIDE REFLECTED CEILING PLAN INDICATING LOCATIONS OF ALL ACCESS DOORS FOR APPROVAL PRIOR TO FINAL INSTALLATION.
- G RUN PIPING AND DUCTWORK IN CEILING SPACE UNLESS OTHERWISE NOTED. SYSTEMS CONNECT TO EXISTING SERVICES. ALLOW FOR ADDITIONAL FITTINGS AND OFFSETS AS REQUIRED IN ORDER TO CONNECT TO EXISTING. ALSO, ALLOW FOR ADDITIONAL LABOUR AND MATERIAL IN ORDER TO ADJUST DESIGNS TO AVOID INTERFERENCE WITH EXISTING SERVICES.
- I CONTRACTOR TO CARRY COST FOR HOT TAPPING OR LINE STOPPING OF SYSTEMS THAT REQUIRE TIE-IN CONNECTIONS WITH THE ASSUMPTION OF EXISTING ISOLATION VALVES NOT HOLDING OR NON EXISTANT.
- J ALL PIPING TO RADIANT CEILING PANELS, REHEAT COILS, CABINET HEATERS AND UNIT HEATERS TO BE 19mm (3/4") EXCEPT WHERE NOTED OTHERWISE.
- K RUN DUCTWORK BETWEEN AND THROUGH STEEL TRUSSES AS REQUIRED TO MAINTAIN CEILING HEIGHTS.
- L WHERE DUCTWORK MODIFICATIONS ARE REQUIRED AND IMPACT EXISTING SYSTEMS, SYSTEMS ARE TO BE RE-BALANCED AS NOTED. WHERE AND IF REQUIRED DRIVES AND SHEAVES ARE TO BE REPLACED AS REQUIRED BY THE BALANCING CONTRACTOR.
- M DUCT ELBOWS TO BE FULL RADIUS OR WITH TURNING VANES. REFER TO SPECIFICATIONS.
- N DUCT TO DIFFUSER SHALL MATCH DIFFUSER NECK SIZE, UNLESS NOTED OTHERWISE.
- O ALL DUCTED GRILLES RETURN GRILLES TO BE COMPLETE WITH SAME SIZED FLAT BLACK PAINTED PLENUM BOX, WITH HEIGHT TO SUIT SIDE OUTLET CONNECTION SIZE WHERE APPLICABLE OR MIN. 6" (150mm) HEIGHT FOR TOP INLET.
- P FIRE DAMPERS AND OR FIRE SMOKE DAMPERS ARE REQUIRED TO BE INSTALLED ON NEW AND EXISTING DUCTS PASSING THROUGH RATED WALLS, CEILING AND FLOORS.
- Q CONTRACTOR TO ASSESS CONDITION OF EXISTING DUCTWORK PRIOR TO CONNECTIONS/MODIFICATIONS FOR SUITABILITY OF RE-USE. ANY DAMAGES TO DUCTWORK TO BE REPORTED TO CONSULTANT/ARCHITECT.
- R ALL MATERIALS WITHIN RETURN AIR PLENUMS SHALL HAVE A FLAME-SPREAD RATING NOT MORE THAN 25 AND A SMOKE DEVELOPED CLASSIFICATION NOT MORE THAN 50.
- S FOR FLEXIBLE DUCTWORK TO CEILING MOUNTED DIFFUSER. REFER TO TYPICAL DIFFUSER DUCTING DETAIL.
- T PRIOR TO CONSTRUCTION/DEMOLITION, COMPLETE PRELIMINARY AIR TESTING TO ESTABLISH BASELINE AIRFLOW TO ZONE AND PROVIDE REPORT TO CONSULTANT FOR REVIEW.
- U FOR DUST CONTROL, CAP EXISTING DUCTS IN THE CONSTRUCTION AREA. CONNECTION TO EXISTING AIR DUCTS TO BE DONE AFTER COMPLETION OF ALL DUST PRODUCING TASKS.
- V SLEEVE AND SEAL ALL PIPES AND DUCTS PASSING THROUGH WALLS.
- W WORK REQUIRING SHUTDOWNS AND/OR DRAIN DOWNS TO BASE BUILDING SYSTEMS SHALL BE PERFORMED AFTER HOURS IN COORDINATION WITH BUILDING FACILITIES.

**DRAWING LIST**

- MECHANICAL
- M001 LEGEND, ROOM SCHEDULE AND DRAWING LIST
- M001 LEVEL 1 HVAC DEMOLITION
- M002 LEVEL 1 HYDRONIC DEMOLITION
- M003 LEVEL 1 PLUMBING AND DRAINAGE DEMOLITION
- M201 LEVEL 1 PLUMBING AND DRAINAGE PLAN
- M301 LEVEL 1 HVAC MODIFICATION
- M302 LEVEL 1 HYDRONIC MODIFICATION
- M801 MECHANICAL DETAILS
- FIRE PROTECTION
- F101 SPRINKLER ZONING

CLIENT LOGO



No.	ISSUANCE	DATE
1	ISSUED FOR 100% CD	2026-03-04
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**WATERLOO REGION DISTRICT SCHOOL BOARD**

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**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**

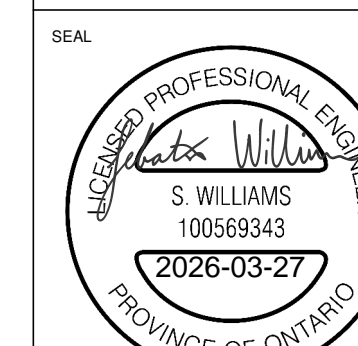
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TITLE  
**LEGEND, ROOM SCHEDULE AND DRAWING LIST**

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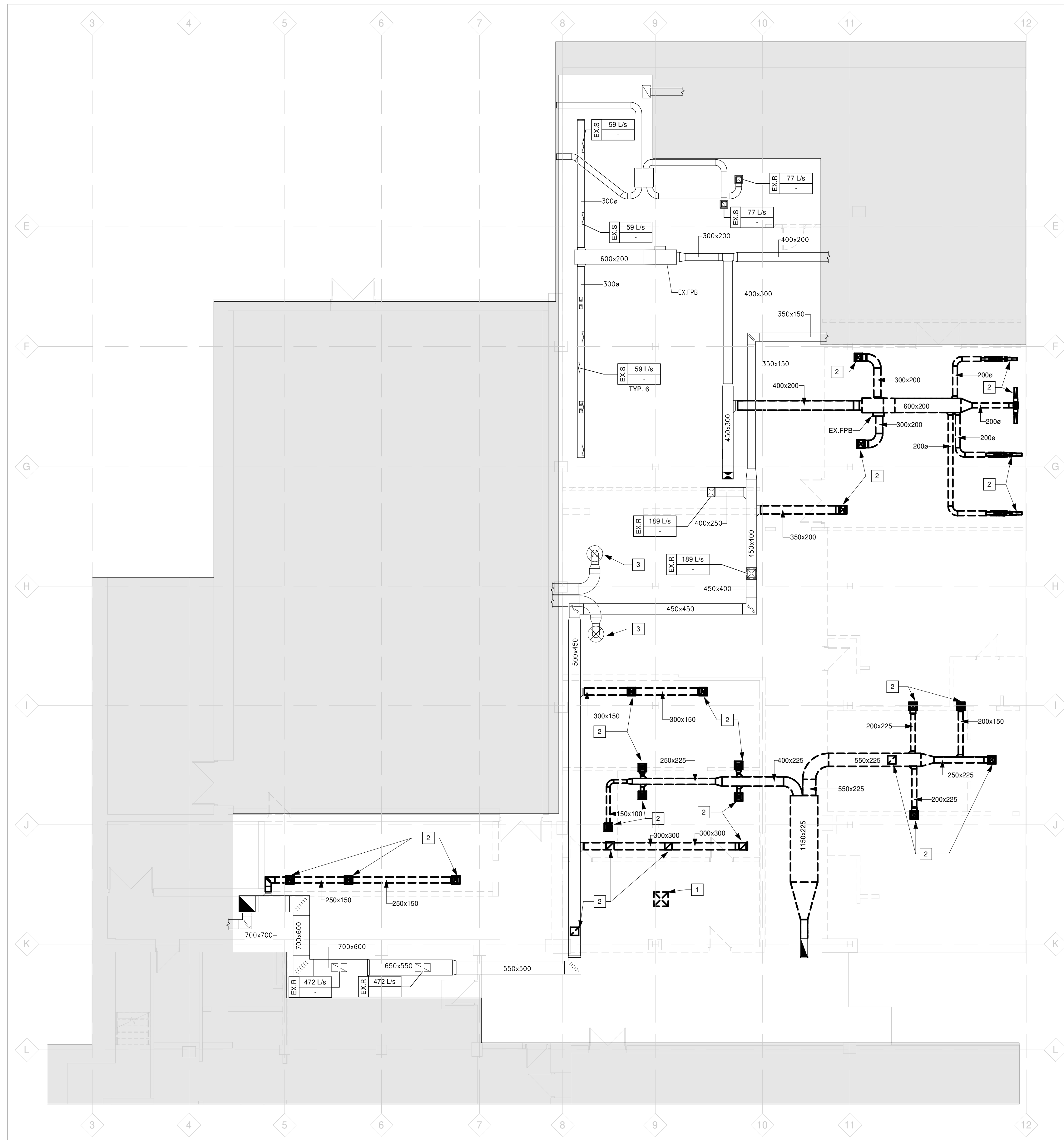
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DATE :	2026-03-04	<b>M001</b>
PROJECT NO :	2026-0006-10	
DRAWN BY :	GM	
CHECKED BY :	SW	



**1** LEVEL 1 HVAC DEMOLITION  
 MD01 Scale: 1 : 100

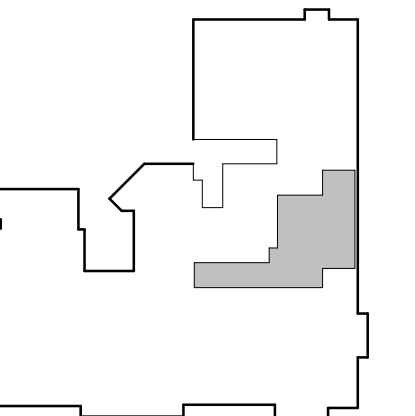
**DEMOLITION NOTES**

- 1 DEMOLISH DIFFUSER AND CONNECTED DUCTS BACK TO SUPPLY BRANCH AND MAKE GOOD.
- 2 DEMOLISH EXISTING GRILL/DIFFUSER.
- 3 TRACE EXISTING ROUND DUCTWORK FROM GYM BACK TO SOURCE. CONFIRM TO THE CONSULTANT IN AN RFI WHAT SYSTEM IS CONNECTED TO THE DIFFUSERS. PROVIDE AN IDENTIFIED PRICE FOR DEMOLISHING THESE TWO DIFFUSERS, CAPPING AT THE WEIGHT ROOM WALL AND RE-BALANCING THE FAN SYSTEM.

CLIENT LOGO



KEYPLAN



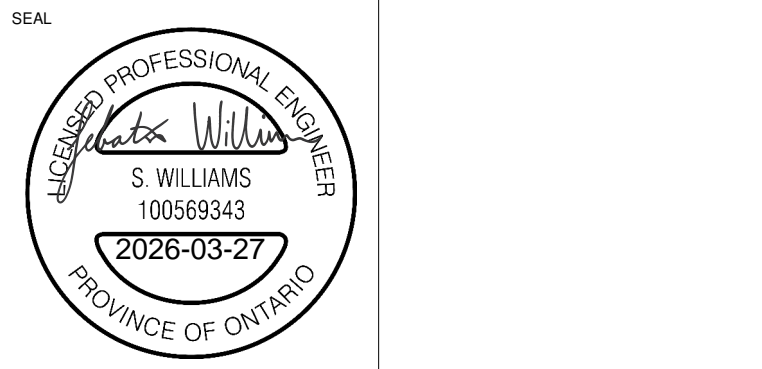
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TITLE  
**LEVEL 1 HVAC DEMOLITION**

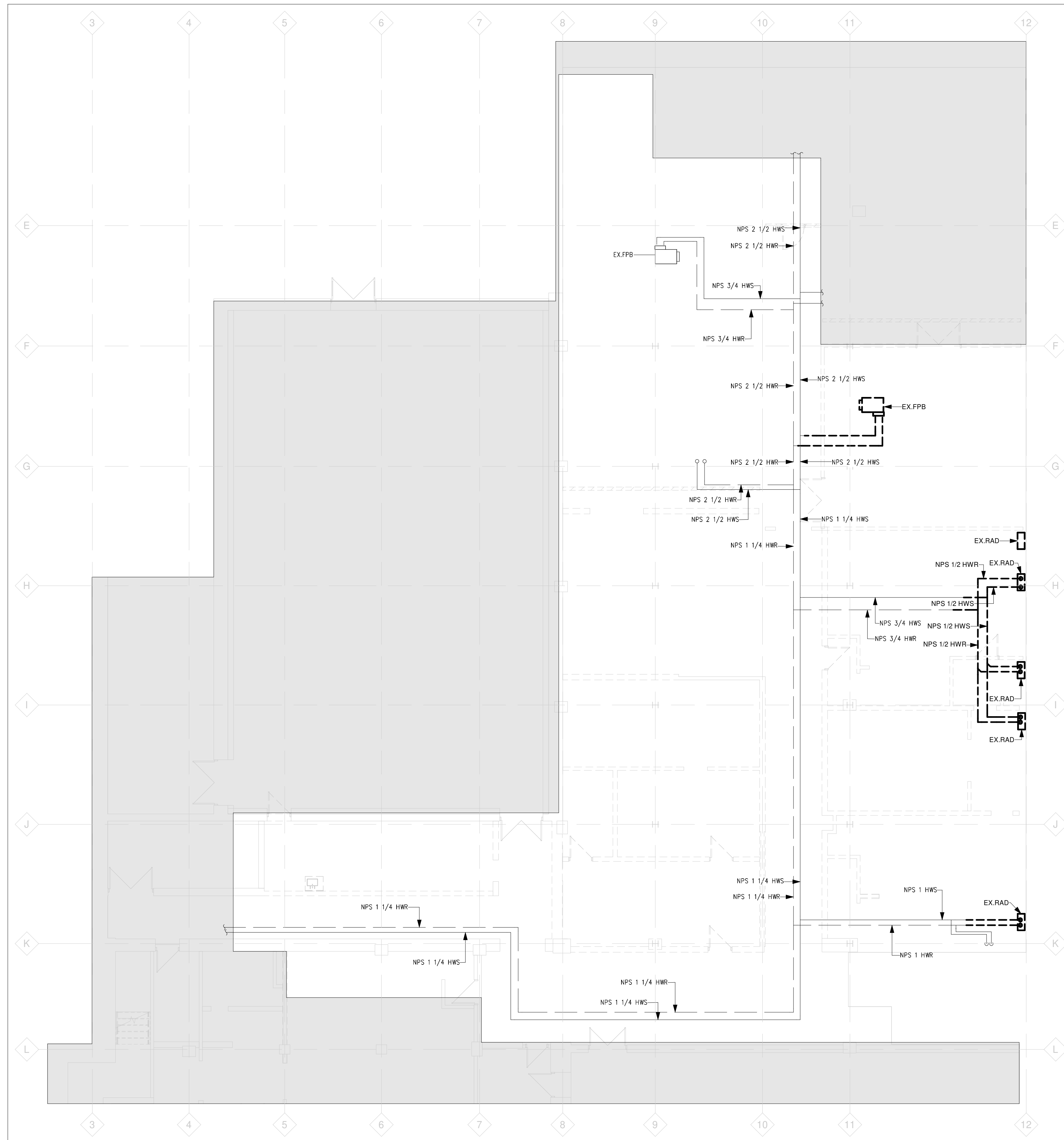
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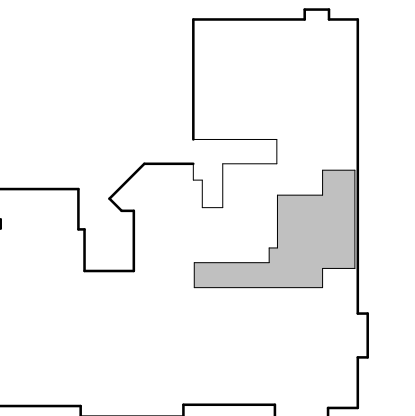


1 LEVEL 1 HYDRONIC DEMOLITION  
 MD02 Scale: 1:100

CLIENT LOGO



KEYPLAN



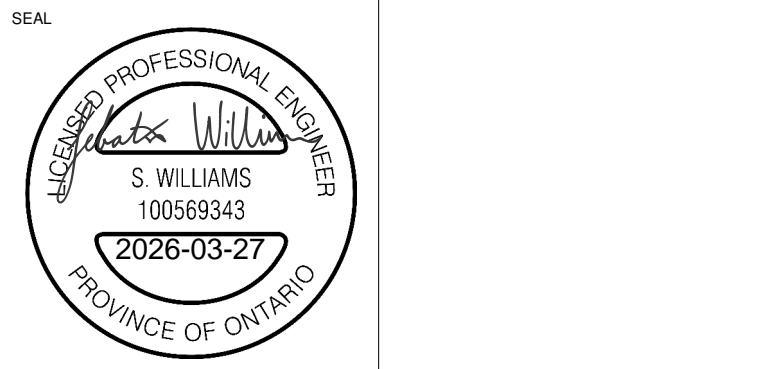
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TITLE  
**LEVEL 1 HYDRONIC DEMOLITION**

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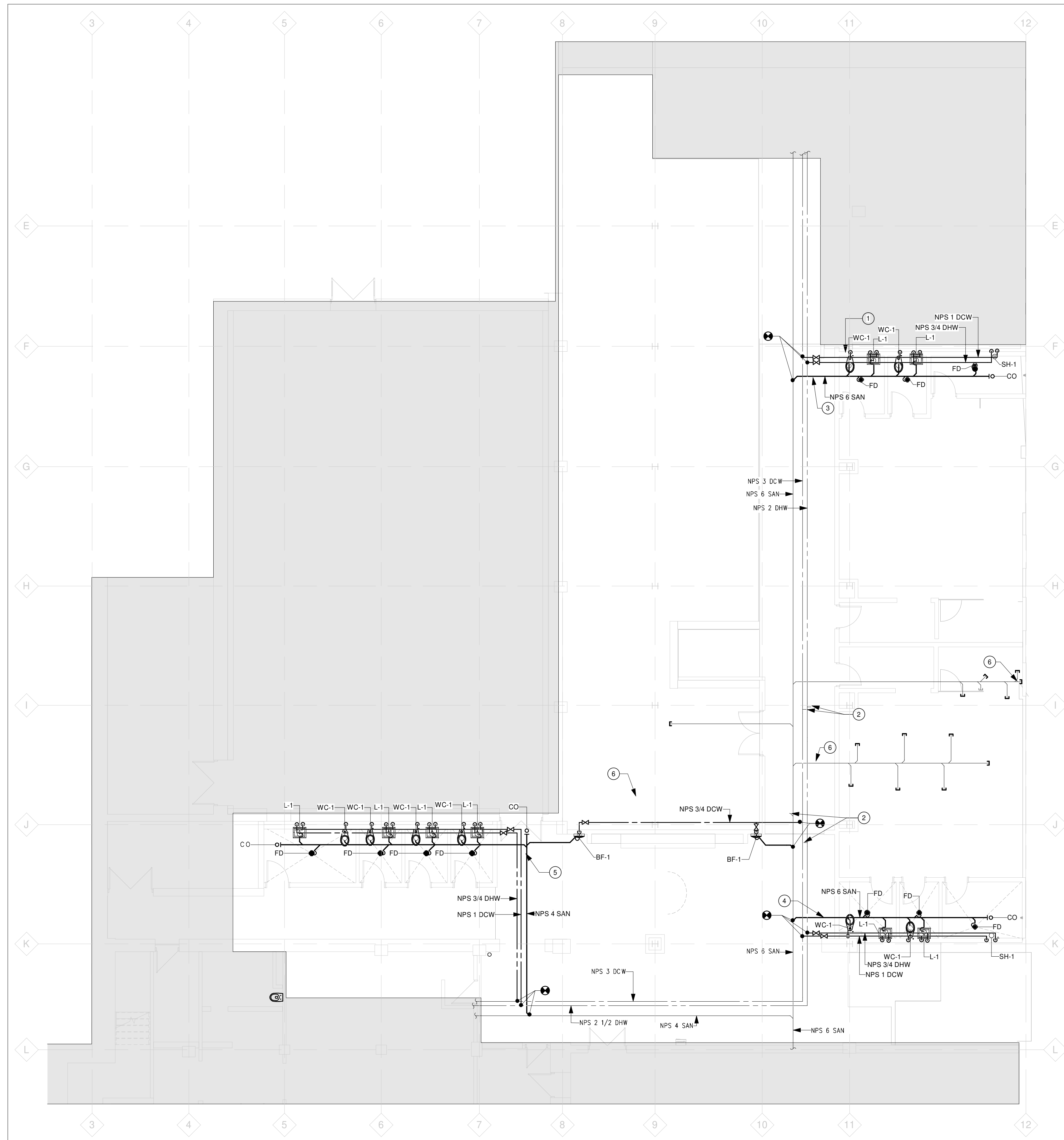


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**DRAWING NOTES**

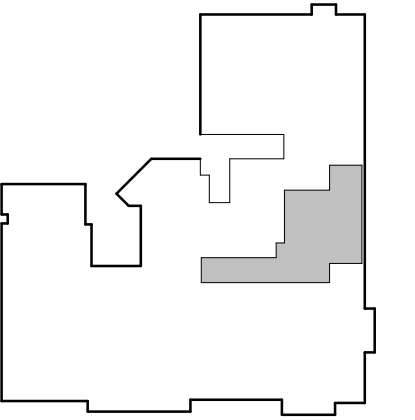
- 1 FLUSHING BUTTON ON ACCESS SIDE FOR THIS WATER CLOSET.
- 2 CAP PIPING.
- 3 CONNECT FIXTURE VENT TO EXISTING VENT AT GRIDLINE L
- 4 CONNECT FIXTURE VENT TO EXISTING VENT BETWEEN GRIDLINES I AND J.
- 5 CONNECT FIXTURE VENT TO EXISTING VENT AT GRIDLINE J.
- 6 APPROXIMATE LOCATION OF EXISTING VENT PIPING UP TO ROOF.

**1 LEVEL 1 PLUMBING AND DRAINAGE**  
M201 Scale: 1 : 100

CLIENT LOGO



KEYPLAN



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**CLIENT**  
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**PROJECT**  
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787 King St W, Kitchener, ON N2G 2G5

**TITLE**  
LEVEL 1 PLUMBING AND DRAINAGE PLAN

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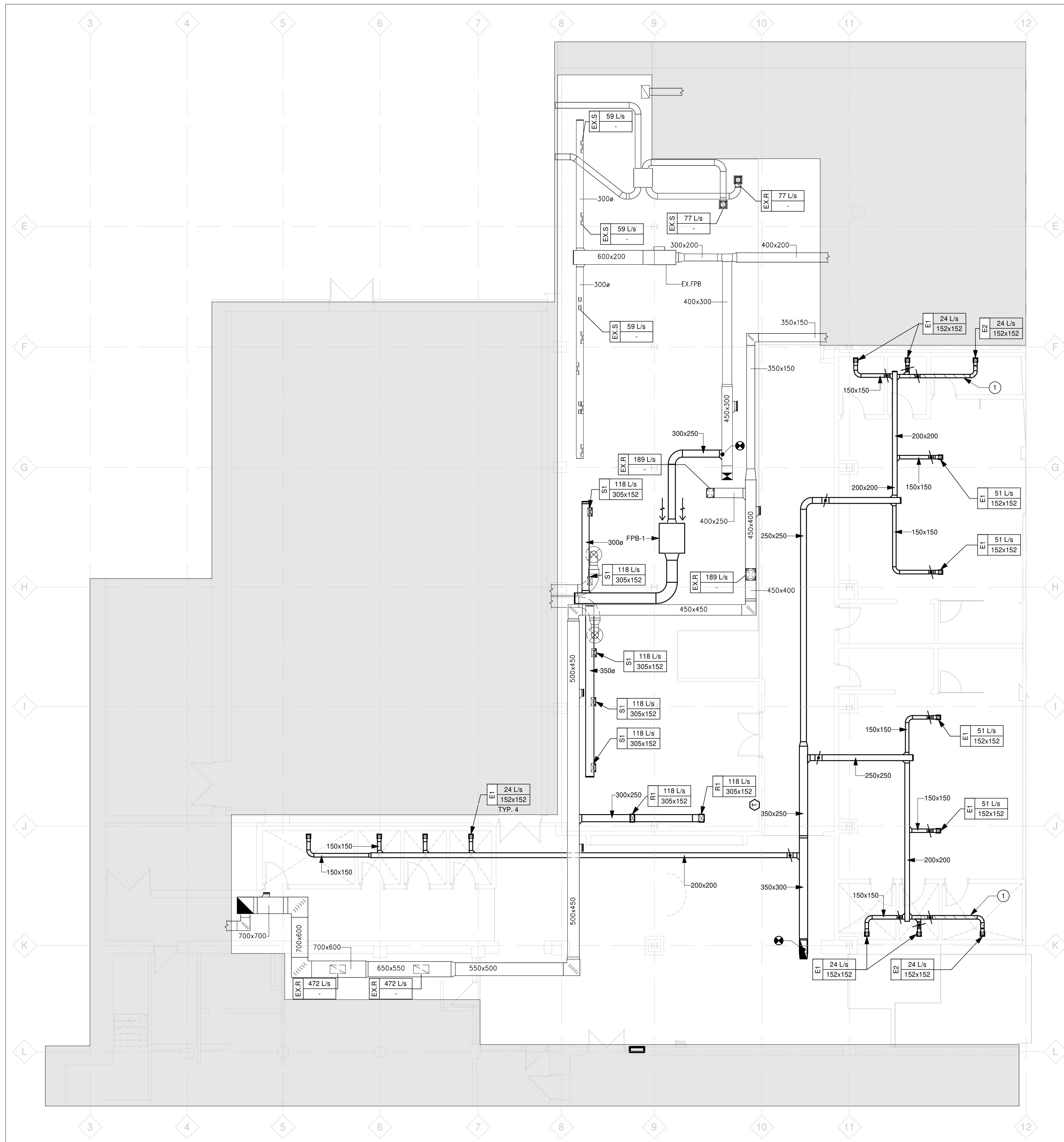
SEAL



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CHECKED BY:	SW	



**DRAWING NOTES**

- 1 SHOWER ROOM EXHAUST DUCTWORK TO BE ALUMINUM DUCTWORK. SLOPE DUCTWORK IN THIS ROOM BACK TOWARDS EXHAUST GRILLE. ENSURE NO LOW POINTS/SAGS IN THIS BRANCH OF DUCTWORK TO ALLOW COLLECTED MOISTURE TO DRAIN BACK TO THE ROOM.

**1 LEVEL 1 HVAC MODIFICATION**  
M301 Scale: 1 : 100

CLIENT LOGO

KEYPLAN

No.	ISSUANCE	DATE
1	ISSUED FOR 100% CD	2026-03-04
2	ISSUED FOR BID & PERMIT	2026-03-26

CLIENT  
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51 Ardelt Ave, Kitchener, ON N2C 2R5

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TITLE  
**LEVEL 1 HVAC MODIFICATION**

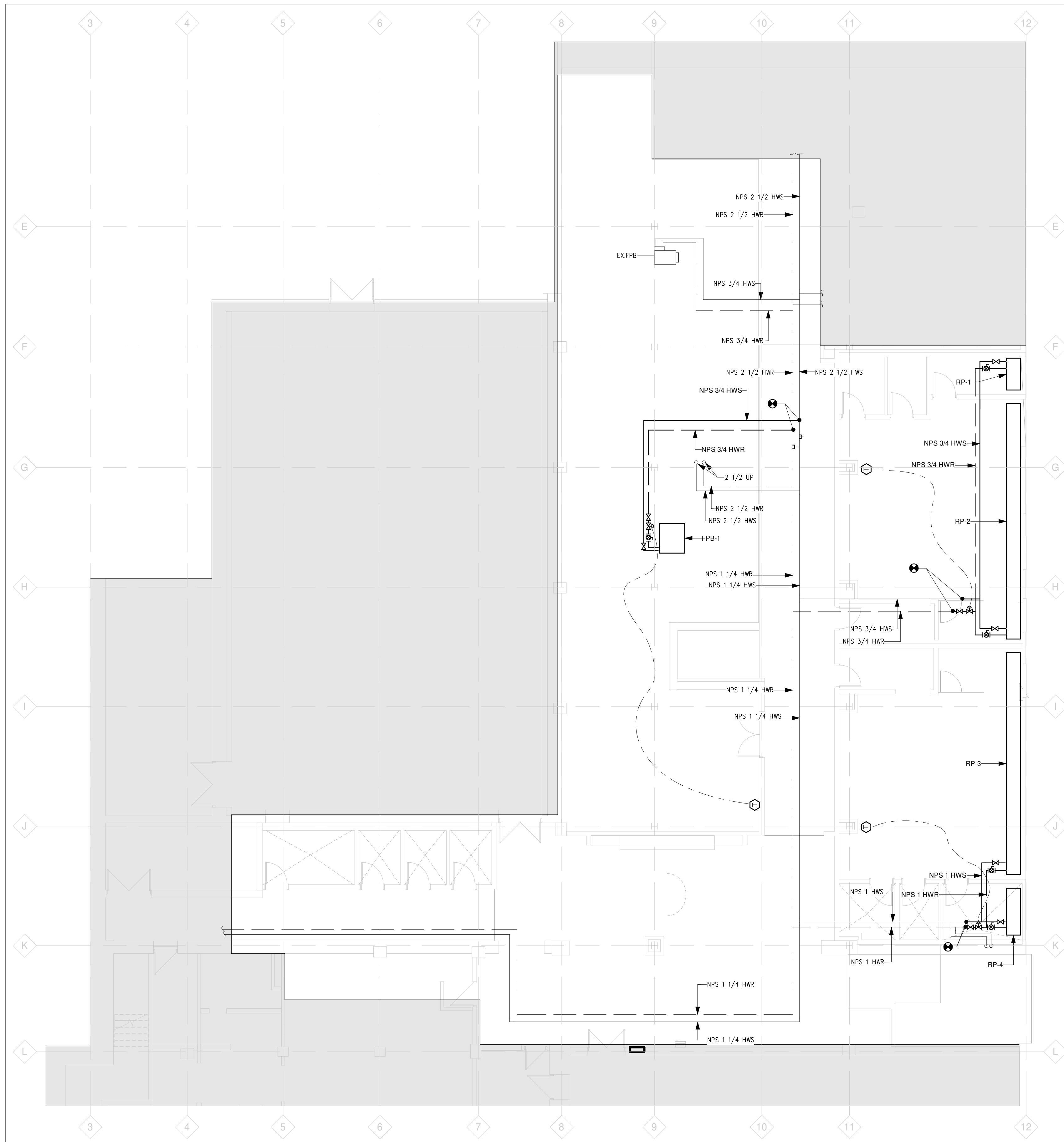
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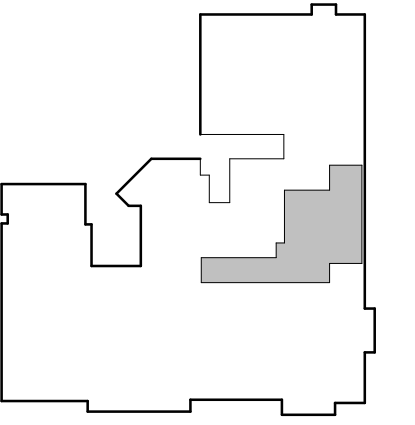


1 LEVEL 1 HYDRONIC MODIFICATION  
 M302 Scale: 1:100

CLIENT LOGO



KEYPLAN



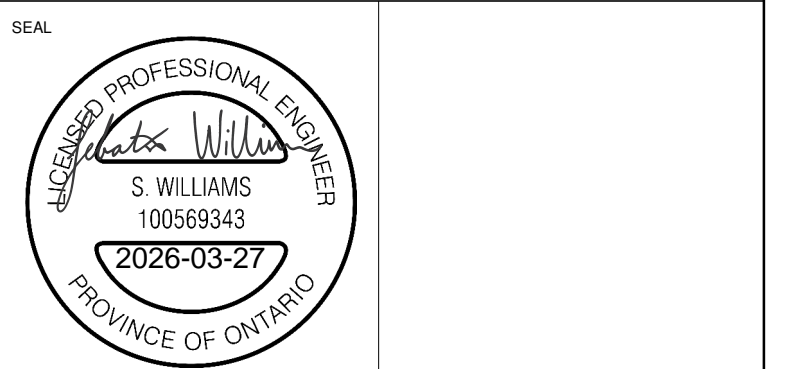
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PROJECT  
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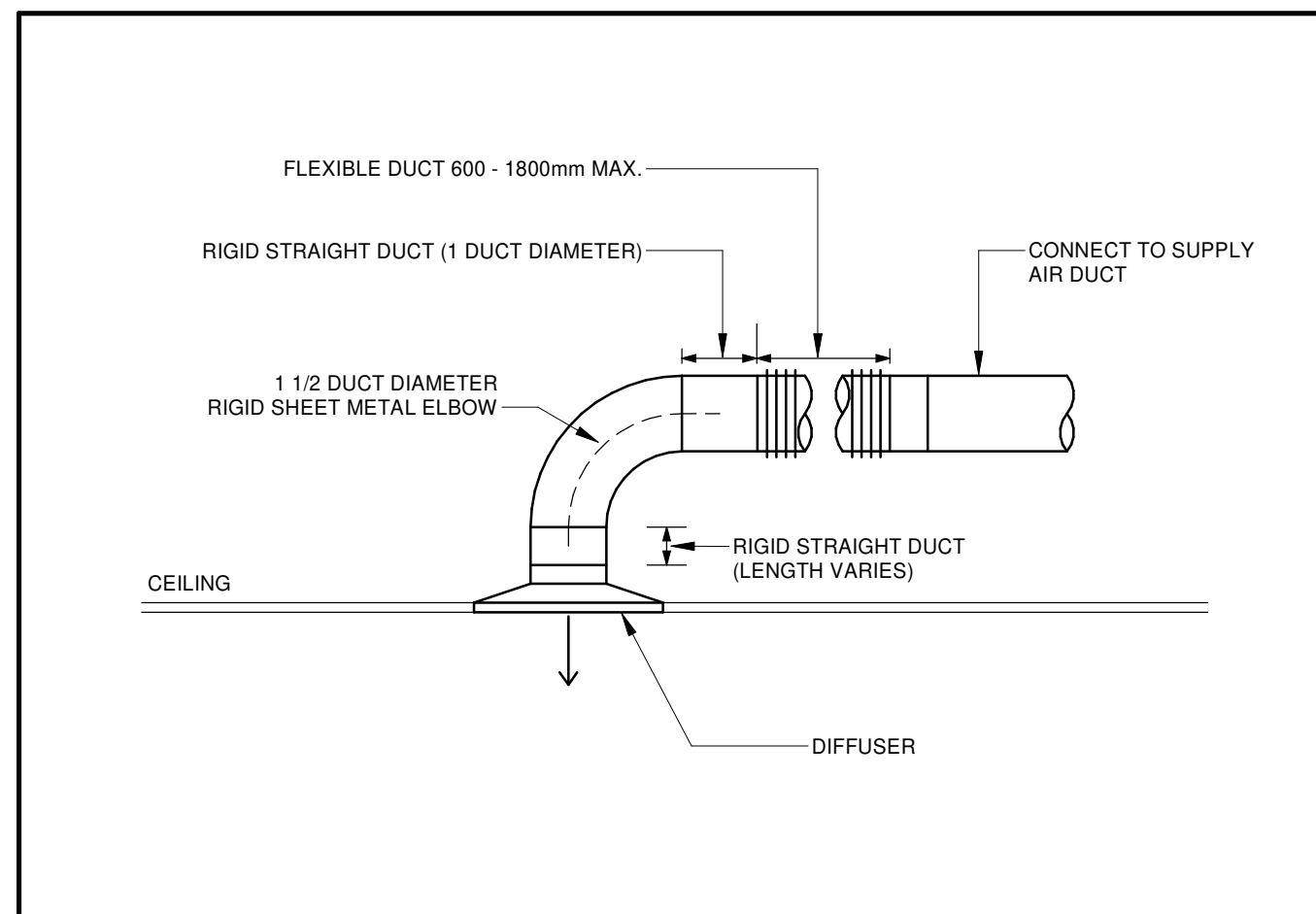
TITLE  
**LEVEL 1 HYDRONIC MODIFICATION**

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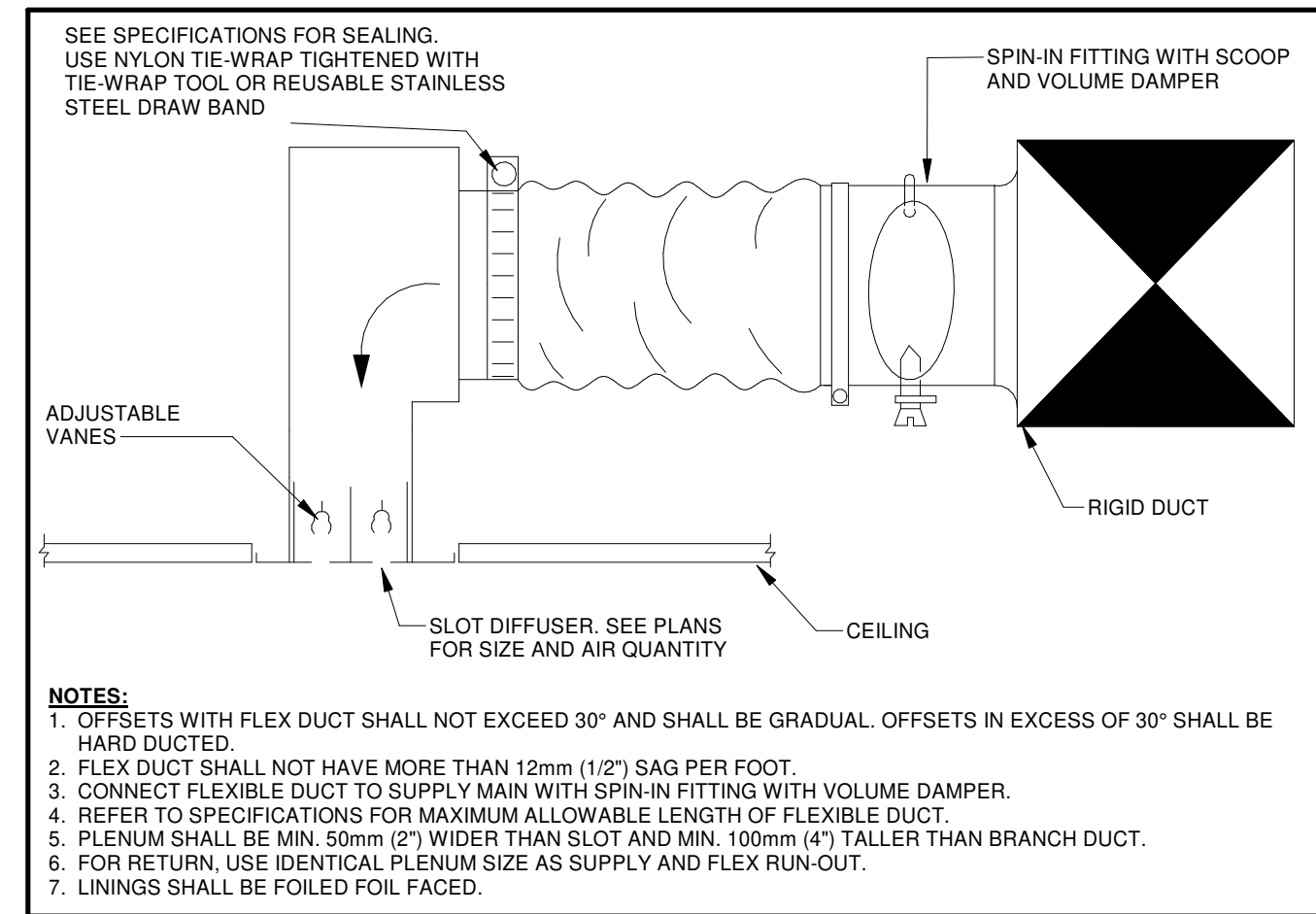


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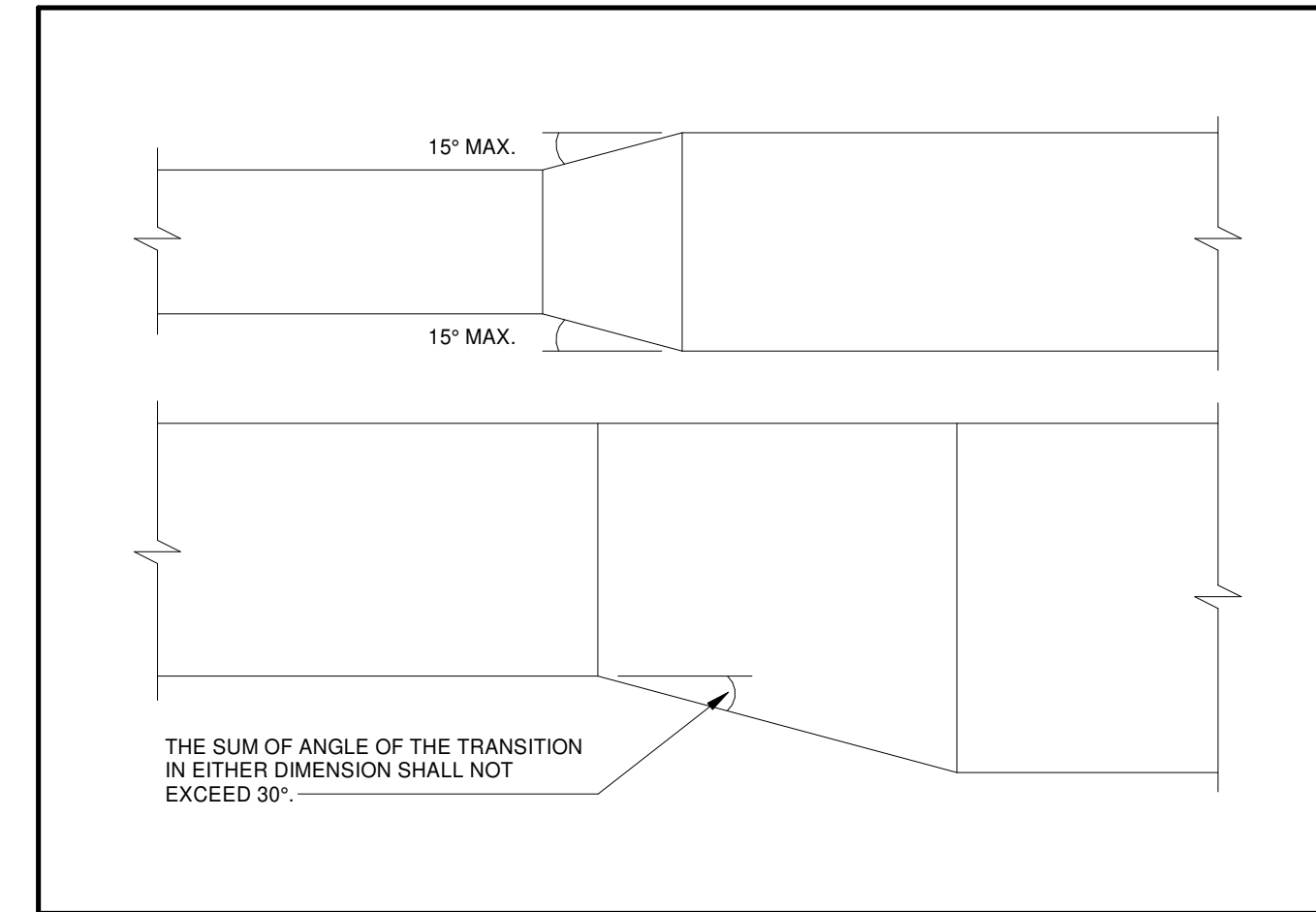
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DATE: 2026-03-04	
PROJECT NO: 2026-0006-10	
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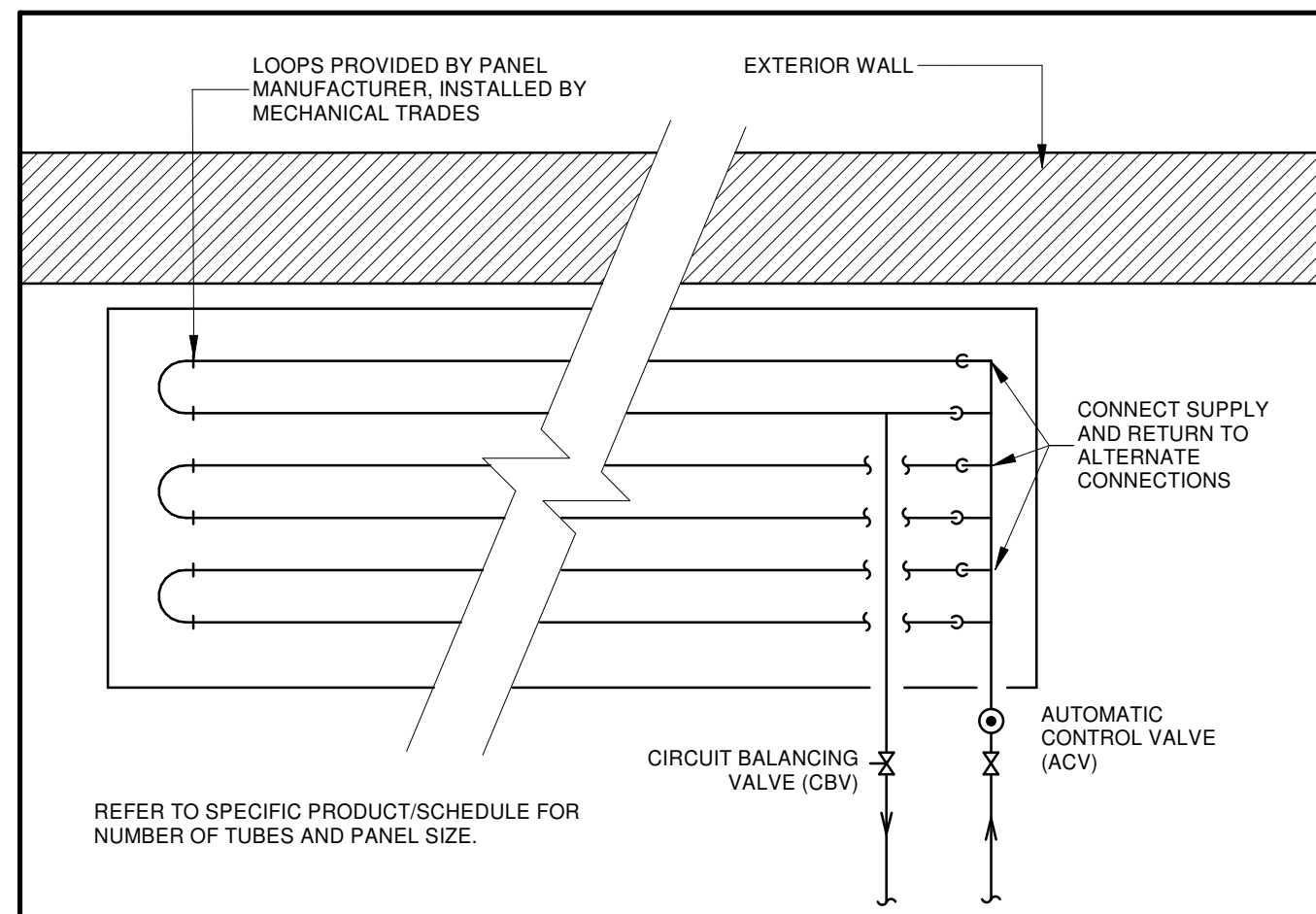
1 (23-HVAC) TYPICAL DIFFUSER DUCTING  
M801 N.T.S.



2 (23-HVAC) LINEAR DIFFUSER CONNECTION WITH PLENUM  
M801 N.T.S.



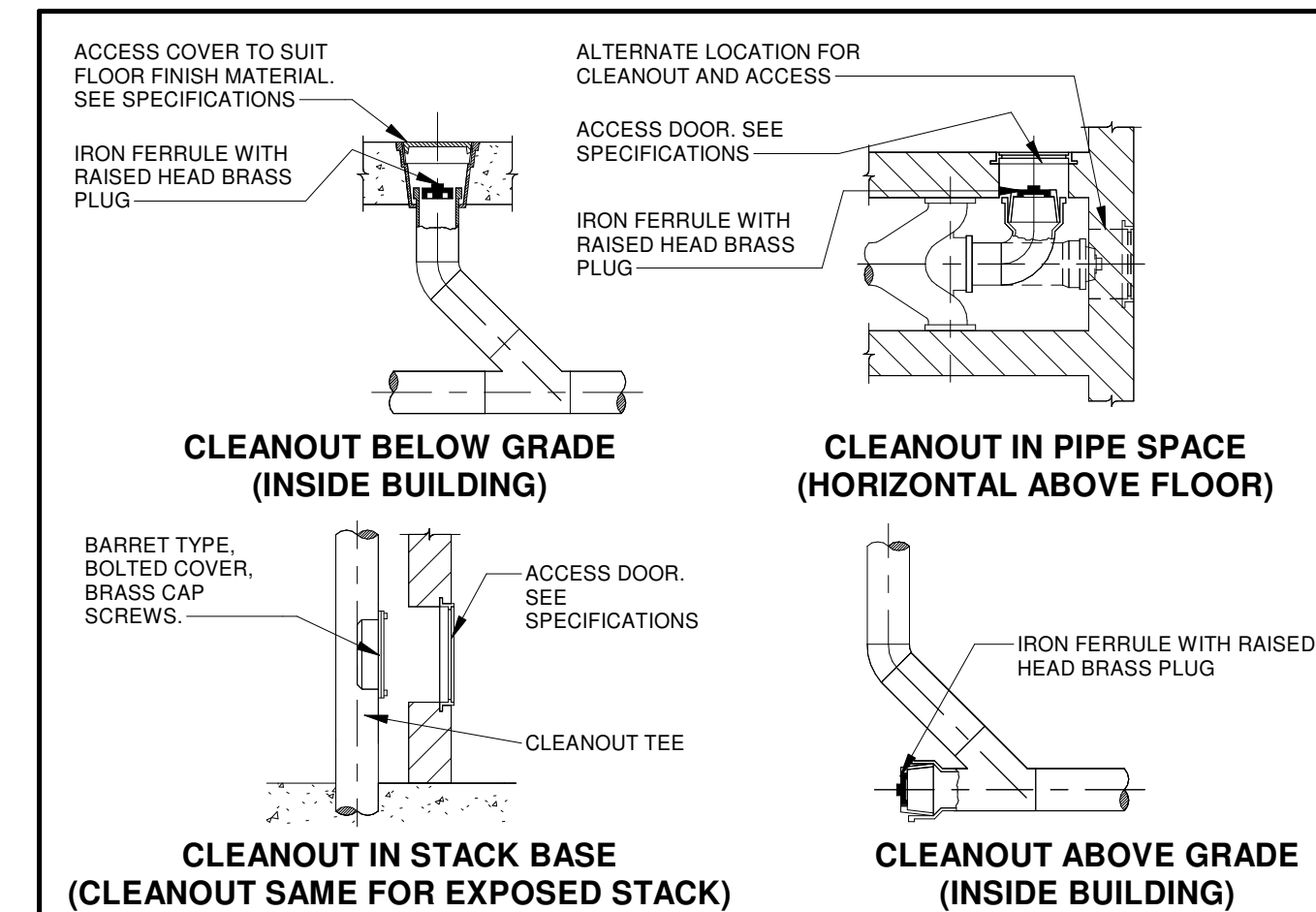
3 (23-HVAC) DUCT TRANSITION  
M801 N.T.S.



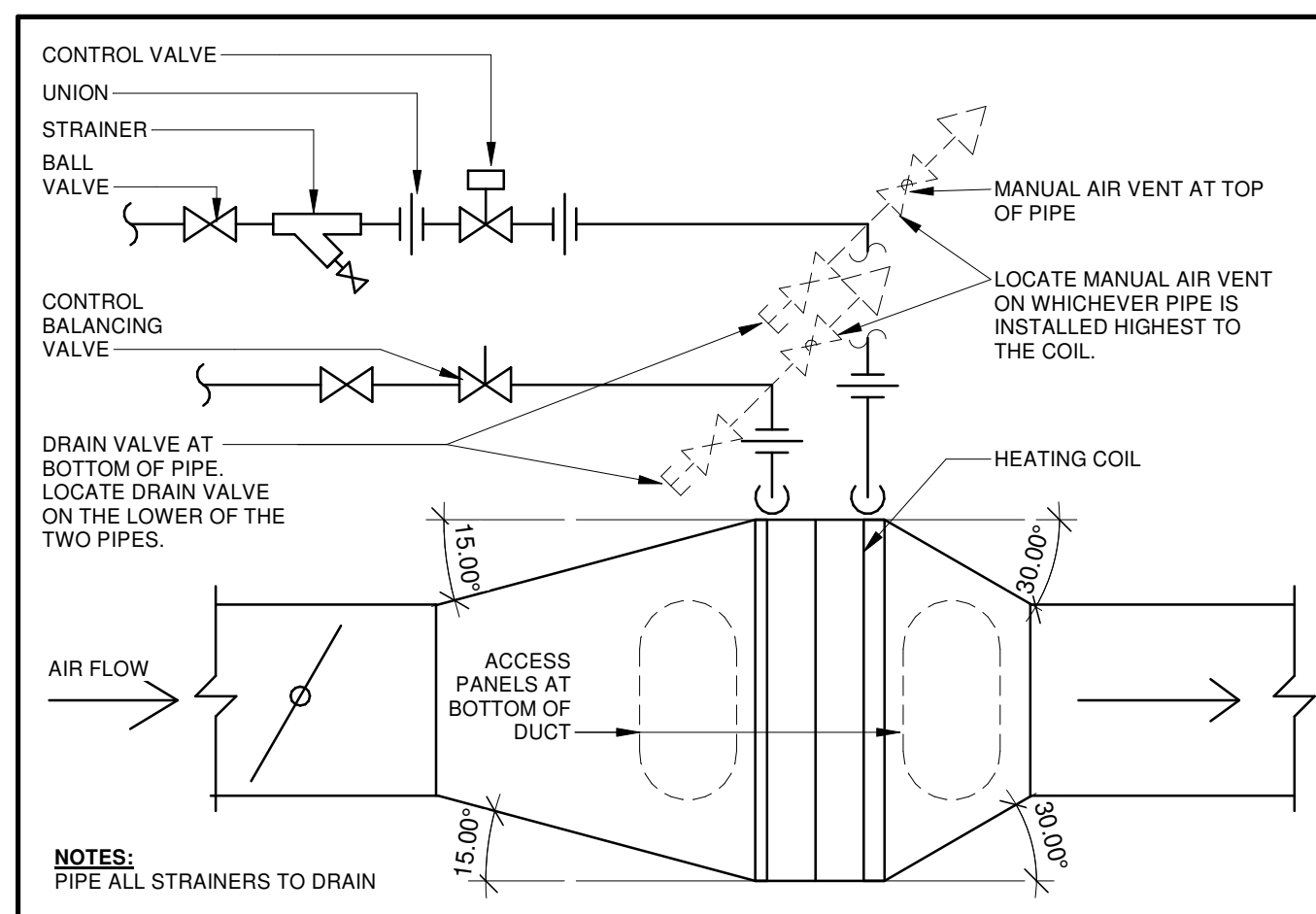
4 (23-HVAC) RADIANT PANEL PIPING CONNECTIONS  
M801 N.T.S.

CIRCUIT BALANCING VALVE SIZE SCHEDULE			
USGPM	CBV SIZE (INCH)	FLOW (L/s)	CBV SIZE (mm)
0.1-0.5	1/2 LOW FLOW	0.006-0.03	13 LOW FLOW
0.45-2.8	1/2	0.03-0.18	13
1.5-6.3	3/4	0.09-0.40	19
2.8-9.5	1	0.18-0.60	25
3.6-15.0	1 1/4	0.23-0.95	32
4.8-20.0	1 1/2	0.30-1.3	38
9.8-36.0	2	0.62-2.3	50
5.0-100	2 1/2	0.32-6.3	63
6.0-130	3	0.38-8.2	75
9.2-200	4	0.58-13	100
16.2-320	5	1.0-20	125
31.5-450	6	2.0-28	150
95.0-830	8	6.0-52	200
197-1300	10	12-82	250
230-1600	12	14-100	300

5 (23-HVAC) CIRCUIT BALANCING VALVE SIZING SCHEDULE  
M801 N.T.S.



6 (22-P) CLEAN-OUTS  
M801 N.T.S.



7 (23-HVAC) TERMINAL BOOSTER / REHEAT COIL  
M801 N.T.S.

No.	ISSUANCE	DATE
1	ISSUED FOR 100% CD	2026-03-04
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CLIENT  
**WATERLOO REGION DISTRICT SCHOOL BOARD**  
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PROJECT  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
787 King St W, Kitchener, ON N2G 2G5

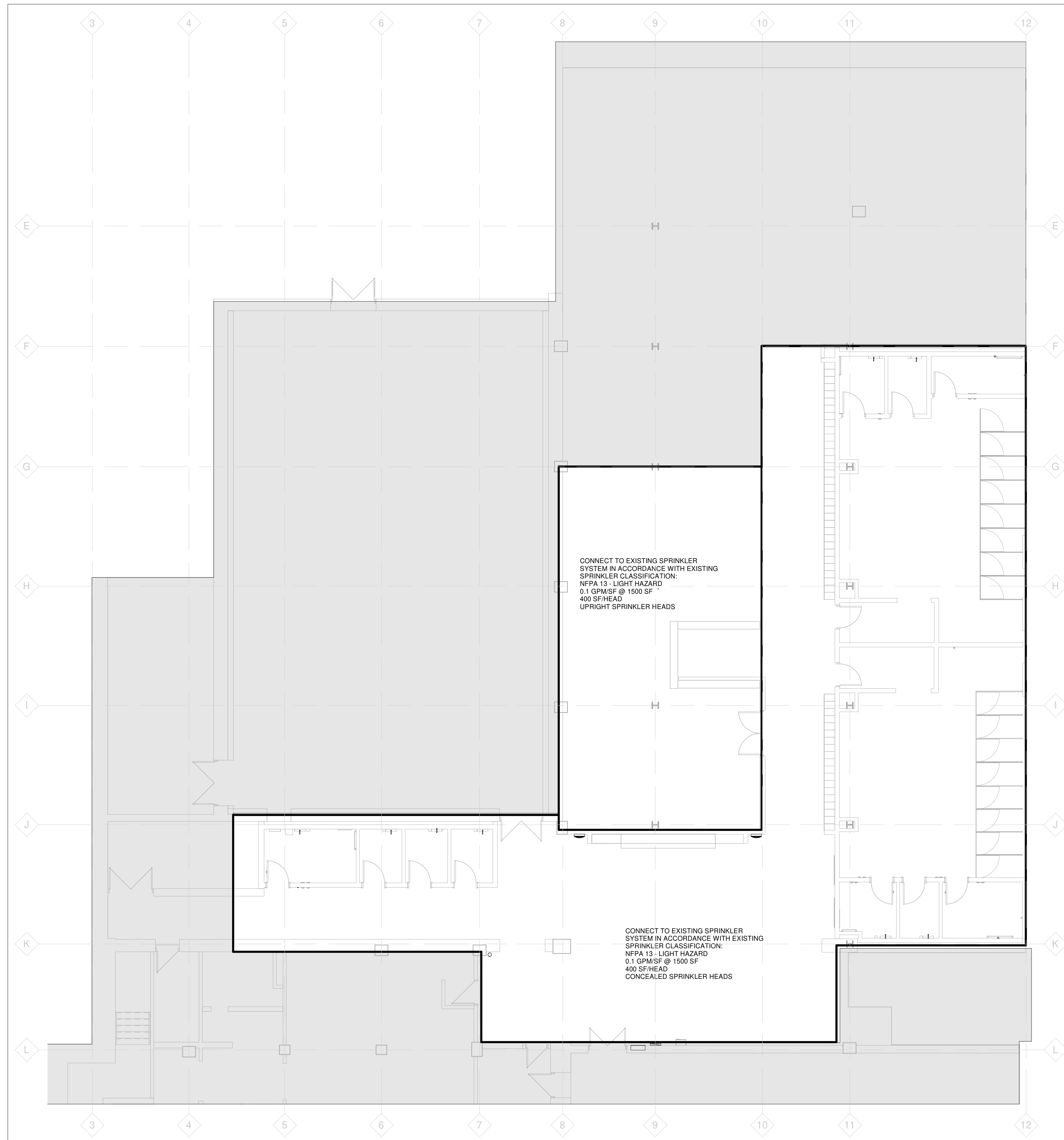
TITLE  
**MECHANICAL DETAILS**

**WALTERFEDY**  
TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON  
800.685.1378 walterfedy.com

SEAL  
REGISTERED PROFESSIONAL ENGINEER  
S. WILLIAMS  
100569343  
2026-03-27  
PROVINCE OF ONTARIO

REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY, A PART OF WF GROUP, IS FORBIDDEN. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS TO WALTERFEDY, A PART OF WF GROUP. - DO NOT SCALE THIS DRAWING -

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SCALE: AS NOTED SHEET NO: **M801**  
DATE: 2026-03-04  
PROJECT NO: 2026-0006-10  
DRAWN BY: GM  
CHECKED BY: SW



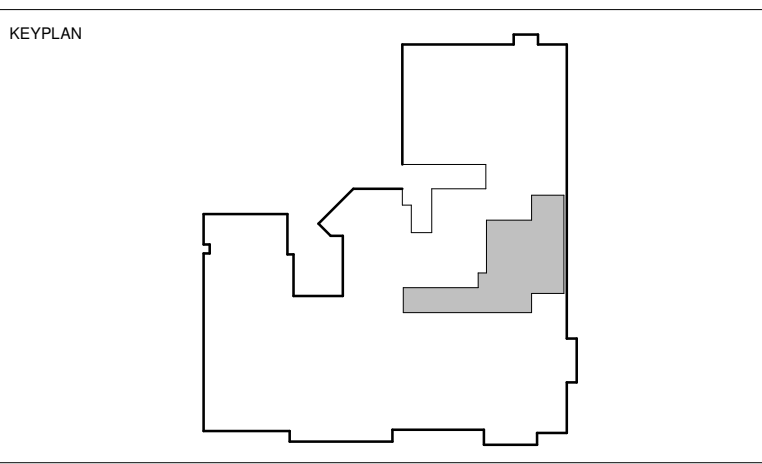
**1** LEVEL 1 SPRINKLER ZONING  
 F101 Scale: 1 : 100

**GENERAL FIRE PROTECTION NOTES**

- GENERAL
- A PROVIDE A COMPLETE SYSTEM OF FIRE SUPPRESSION, AS INDICATED IN THESE DOCUMENTS.
  - B ALL SYSTEMS AND EQUIPMENT SHALL COMPLY WITH REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION (e.g. OBC, CSA, U.L.C, ETL, NFPA) AND SHALL BE PROVIDED NEW FOR THIS PROJECT.
  - C ALTERNATE EQUIPMENT SELECTED BY THE CONTRACTOR PLACES FULL RESPONSIBILITY ON THE CONTRACTOR TO REMEDY ANY SITE ISSUES CREATED BY THIS CHOICE.
  - D COORDINATE AND MINIMIZE ALL SERVICE INTERRUPTIONS NECESSARY TO COMPLETE THIS PROJECT.
  - E THE DOCUMENTS PROVIDE A REPRESENTATIVE VIEW OF SYSTEMS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR SPATIAL COORDINATION WITH ALL OTHER BUILDING SYSTEMS. PROVIDE ONLY NEW, COMMERCIAL GRADE EQUIPMENT/COMPONENTS FOR ALL SYSTEMS.
  - F THIS CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL FIRE PROTECTION PIPING AND COORDINATED SPACE REQUIREMENTS WITH OTHER TRADES. PROTECT PIPING INSTALLED BY THIS CONTRACTOR TO MEET REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION.
  - G PROVIDE STAMPED SHOP DRAWINGS FOR ALL EQUIPMENT.
  - H PROVIDE FIRE STOPPING AND IDENTIFICATION (LABELING AND/OR PAINTING) FOR ALL SYSTEMS.
  - I STARTUP, MONITOR, AND DOCUMENT PROPER OPERATION OF ALL EQUIPMENT AND SYSTEMS.
  - J PROVIDE A COMPLETE ONE YEAR WARRANTY ON THE ENTIRE PROJECT, COMMENCING AT SUBSTANTIAL COMPLETION.
  - K ALL MATERIALS WITHIN RETURN AIR PLENUMS SHALL HAVE A FLAME SPREAD RATING NOT MORE THAN 25 AND A SMOKE DEVELOPMENT CLASSIFICATION NOT MORE THAN 50.
  - L NO VALVES ARE TO BE INSTALLED IN FIRE RATED CORRIDOR. MAKE ANY ZONE CONNECTIONS OUTSIDE OF FIRE RATED CORRIDOR FOR VALVES AND DRAINING.
  - M SPRINKLER CONTRACTOR SHALL SUBMIT ALL REQUIRED DOCUMENTATION FOR PERMIT TO THE AUTHORITIES HAVING JURISDICTION AND PERFORM GENERAL REVIEWS OF THE INSTALLATION REQUIRED BY THEIR GOVERNING BODY. PROVIDE A SEALED NFPA CERTIFICATION LETTER TO THE PRIME CONSULTANT AT COMPLETION OF SPRINKLER WORK.
  - N CONTRACTOR TO CARRY COST FOR HOT TAPPING OR LINE STOPPING OF SYSTEMS THAT REQUIRE TIE-IN CONNECTIONS WITH THE ASSUMPTION OF EXISTING ISOLATION VALVES NOT HOLDING OR NON EXISTANT.
  - O COORDINATE FINAL SPRINKLER HEAD PLACEMENT LAYOUT WITH DIFFUSER AND GRILLE LOCATIONS, ELECTRICAL DEVICES AND ARCHITECTURAL REFLECTED CEILING PLANS AND CEILING TYPE. NOTIFY CONSULTANT OF ANY DISCREPANCY OR CONFLICTS.
  - P QUANTITY AND LOCATION OF SPRINKLER HEADS SHOWN TO AID IN RCP COORDINATION AND SHALL BE THE MINIMUM NUMBER OF HEADS PROVIDED. FINAL NUMBER OF HEADS TO SUIT LIGHT HAZARD DENSITY REQUIREMENTS AND PROVIDE COMPLETE COVERAGE WITHIN THE ZONE AS SPECIFIED. LOCATIONS SHALL SUIT REFLECTED CEILING PLANS ON ARCHITECTURAL REFLECTED CEILING PLAN (RCP) DETAIL. CEILING DEVICE PRIORITY SHALL BE GIVEN TO LIGHTS AND DIFFUSERS FIRST. FINAL PIPING LAYOUT, SPRINKLER DESIGN AND HYDRONIC CALCULATIONS TO BE SUBMITTED FOR PERMIT BY SPRINKLER CONTRACTOR AND SHALL MEET THE MINIMUM REQUIREMENTS OF NFPA 13. ALL AREAS SHALL BE LIGHT HAZARD UNLESS NOTED OTHERWISE.
- FIRE SUPPRESSION
- 1 PROVIDE THE DESIGN, PROFESSIONALLY STAMPED DRAWINGS AND HYDRAULIC CALCULATIONS, AND INSTALLATION OF FIRE SUPPRESSION SYSTEMS, IN FULL COMPLIANCE WITH OBC AND NFPA REQUIREMENTS.
  - 2 PROVIDE STAMPED DESIGN/CONSTRUCTION DRAWINGS AND SHOP DRAWINGS FOR MAJOR COMPONENTS.
  - 3 PROVIDE AUTOCAD AS-BUILT DRAWINGS, INDICATING ALL DEVIATIONS FROM CONSTRUCTION DRAWINGS, OPERATING & MAINTENANCE MANUALS, AND VERIFICATION REPORTS AT PROJECT COMPLETION.

SPRINKLER LEGEND	
—SP—	EXISTING SPRINKLER PIPING TO REMAIN
—SP—	SPRINKLER PIPING
—F—	EXISTING STAND PIPE PIPING TO REMAIN
—F—	STAND PIPE PIPING
—	EXISTING EQUIPMENT TO REMAIN
—	EQUIPMENT
—	SPRINKLER ZONE
—	HAZARD CHANGE
---	EXISTING TO BE REMOVED
FHC	FIRE HOSE CABINET
—	SHUT-OFF VALVE - SEE SPECIFICATION
—	CHECK VALVE
—	ELECTRICALLY SUPERVISED VALVE
—	FLOW SWITCH
—	BACKFLOW PREVENTOR
E	CAP
—	INLINE PUMP
• SR	SEMI-RECESSED SPRINKLER HEAD
•	CONCEALED SPRINKLER HEAD
—	SIDE WALL SPRINKLER HEAD
○	PENDENT OR UPRIGHT SPRINKLER HEAD
(E) EX.	EXISTING
—	CONNECT TO EXISTING

CLIENT LOGO



No.	ISSUANCE	DATE
1	ISSUED FOR 100% CD	2026-03-04
2	ISSUED FOR BID & PERMIT	2026-03-26

CLIENT  
**WATERLOO REGION DISTRICT SCHOOL BOARD**

PROJECT  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
 787 King St. W., Kitchener, ON N2G 2G5

TITLE  
**SPRINKLER ZONING**

**WALTERFEDY**  
 TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON  
 800.685.1378 walterfedy.com



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SCALE:	AS NOTED	SHEET NO.:
DATE:	2026-03-04	<b>F101</b>
PROJECT NO.:	2026-0006-10	
DRAWN BY:	GM	
CHECKED BY:	SW	

**A. GENERAL**

1. MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2024 ONTARIO BUILDING CODE AND ANY APPLICABLE ACTS OF THE AUTHORITY HAVING JURISDICTION.
2. USE THESE DRAWINGS ONLY FOR THE PURPOSE IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION".
3. READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS, AND ALL OTHER CONTRACT DOCUMENTS.
4. VERIFY ALL STRUCTURAL DIMENSIONS WITH THE CIVIL, ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
5. THE MOST STRINGENT REQUIREMENT GOVERNS WHERE DISCREPANCIES OCCUR WITHIN THE CONTRACT DOCUMENTS, INCLUDING APPLICABLE CODES, STANDARDS AND ACTS.
6. REFER TO THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS AND SIZES OF OPENINGS (DEPRESSIONS, GROOVES, CURBS, CHAMFERS, SLOPES, SLEEVES, EQUIPMENT BASES, HOUSEKEEPING PADS, TRENCHES, SUMP PITS AND EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS).
7. DO NOT CUT, DRILL OR ALTER STRUCTURAL MEMBERS WITHOUT PERMISSION FROM THE CONSULTANT, UNLESS NOTED ON THE DRAWINGS.
8. THE STRUCTURAL DRAWINGS ARE FOR THE COMPLETED PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY, TEMPORARY WORKS, AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION.
9. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS SHOWN ON THE DRAWINGS.
10. PROVIDE ALL TEMPORARY SHORING, BRACING, HOARDING AND PROTECTION NECESSARY TO COMPLETE THE WORK AND COMPLY WITH APPLICABLE REGULATIONS. TEMPORARY WORKS TO BE DESIGNED AND INSPECTED BY A PROFESSIONAL ENGINEER WHO IS RETAINED BY THE CONTRACTOR.

**B. EXISTING CONDITIONS**

1. EXISTING STRUCTURE AND DIMENSIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND ARE PROVIDED TO CONVEY DESIGN INTENT ONLY. THE DESIGN IS BASED ON THE INFORMATION CONTAINED IN THE RECORD DRAWINGS FOR THE EXISTING BUILDINGS, AND ON LIMITED SITE OBSERVATIONS. VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. NOTIFY THE CONSULTANT OF ANY DISCREPANCIES OR CONDITIONS ENCOUNTERED THAT COULD POTENTIALLY AFFECT THE WORK AND OBTAIN DIRECTION BEFORE PROCEEDING.
2. PROTECT EXISTING STRUCTURES FROM DAMAGE DURING CONSTRUCTION. PATCH AND MAKE GOOD ALL EXISTING BUILDING ELEMENTS DISTURBED OR DAMAGED AS PART OF THE WORK.

**D. MATERIALS**

1. STRUCTURAL STEEL:
  1. W & WF SECTIONS, CHANNELS & ANGLES: CSA-G40.20/G40.21, GRADE 350W OR A992, GRADE 50 (345 MPa)
  2. PLATES, RODS, BARS: CSA-G40.20/G40.21, GRADE 300W
2. STRUCTURAL MASONRY:
  1. CONCRETE MASONRY UNITS: CONFORMING TO CSA 165, 15 MPa MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS.
  2. MORTAR: CONFORMING TO CSA 179, TYPE S.
  3. MASONRY GROUT: CONFORMING TO CSA 179, 15 MPa MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, 10mm (3/8") MAXIMUM AGGREGATE SIZE, 250 mm (10") SLUMP.
  4. MASONRY TIES: CONFORMING TO CSA A370, GALVANIZED.
  5. REINFORCING BARS: CONFORMING TO CSA G30.18, GRADE 400R (OR 400W WHERE WELDING IS REQUIRED). ALL REINFORCING TO BE BLACK STEEL UNLESS NOTED.
  6. BED JOINT REINFORCING: LADDER TYPE, CONFORMING TO ASTM A951, HOT-DIPPED GALVANIZED UNLESS NOTED.
3. NON-SHRINK GROUT: NON-METALLIC, 40 MPa MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS.

**I. STRUCTURAL MASONRY**

1. PERFORM WORK IN ACCORDANCE WITH CSA A371 AND CSA S304.1.
2. REFER TO THE ARCHITECTURAL DRAWINGS FOR NON-LOAD BEARING MASONRY WALLS NOT SHOWN ON THE STRUCTURAL DRAWINGS. PROVIDE MINIMUM REINFORCING AND LINTELS IN NON-LOAD BEARING MASONRY WALLS PER THE STRUCTURAL DRAWINGS. THESE WALLS AND LINTELS ARE NOT DETAILED ON THE STRUCTURAL DRAWINGS.
3. MASONRY CONTRACTOR TO BE A MEMBER OF THE CANADIAN MASONRY CONTRACTORS' ASSOCIATION.
4. FILL MASONRY UNITS WITH GROUT AS FOLLOWS:
  1. ALL CELLS CONTAINING REINFORCING.
  2. ALL CELLS CONTAINING DOWELS, ANCHORS, OR OTHER STRUCTURAL CONNECTORS.
  3. AS INDICATED ON THE STRUCTURAL DRAWINGS.
5. PLACE GROUT IN MAXIMUM 3000 LIFTS. THE MAXIMUM LIFT HEIGHT IS REDUCED TO 1500 IF NO CLEANOUTS ARE PROVIDED.
6. BUILD MASONRY TIGHTLY INTO WEBS OF STEEL BEAMS BEARING ON WALLS, WEBS OF STEEL COLUMNS AND AROUND JOIST SHOES, UNLESS NOTED OTHERWISE.
7. PROVIDE TEMPORARY BRACING TO MAINTAIN STABILITY OF WALLS UNTIL HORIZONTAL SUPPORTING ELEMENTS ARE IN-PLACE.
8. BEARING SUPPORTS:
  1. PROVIDE MINIMUM 400 (16") DEEP SOLID OR GROUT-FILLED MASONRY UNITS BELOW STEEL AND CONCRETE BEAMS, JOISTS AND TRUSSES AT BEARING LOCATIONS, PROJECTING AT LEAST 200 (8") BEYOND EDGE OF BEARING PLATES.
  2. PROVIDE MINIMUM 200 (8") DEEP SOLID OR GROUT-FILLED MASONRY UNITS BELOW MASONRY, CONCRETE AND STEEL LINTELS AT BEARING LOCATIONS, PROJECTING AT LEAST 150 (6") BEYOND EDGE OF BEARING PLATES.
9. NON-LOAD BEARING WALLS:
  1. PROVIDE THE MINIMUM REINFORCING SHOWN IN THE NON-LOAD BEARING MASONRY WALL REINFORCING TABLE.
  2. PROVIDE ADDITIONAL REINFORCING AS SHOWN IN THE DRAWINGS AND TYPICAL DETAILS.
  3. PROVIDE LATERAL SUPPORT AT TOPS OF ALL WALLS. REFER TO TYPICAL DETAILS. LOCATE MAX 300 (12") FROM WALL ENDS AND MOVEMENT JOINTS.
  4. UNLESS OTHERWISE NOTED, PROVIDE MINIMUM 25 (1") DEFLECTION GAP AT TOP OF ALL NON-LOAD BEARING MASONRY WALLS.
10. LINTELS:
  1. PROVIDE LINTELS OVER ALL OPENINGS THROUGH MASONRY WALLS SHOWN ON THE ARCHITECTURAL DRAWINGS, AND AS REQUIRED FOR MECHANICAL AND ELECTRICAL TRADES.
  2. PROVIDE STEEL LINTELS UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL DRAWINGS. REFER TO THE LINTELS FOR NON-LOAD BEARING MASONRY WALLS TABLE.
  3. REFER TO THE STRUCTURAL DRAWINGS FOR LINTEL REQUIREMENTS FOR ALL LOAD BEARING WALLS.

**J. STRUCTURAL STEEL**

1. PERFORM WORK IN ACCORDANCE WITH CSA-S16 AND THE CISC CODE OF STANDARD PRACTICE.
2. DESIGN CONNECTIONS FOR FORCES INDICATED ON THE STRUCTURAL DRAWINGS, WHERE CONNECTION FORCES ARE NOT PROVIDED, DESIGN CONNECTIONS FOR THE FOLLOWING FORCES:
  1. NON-COMPOSITE BEAM ENDS: FACTORED SHEAR FORCE OF 50% OF THE MAXIMUM UNIFORMLY DISTRIBUTED LOAD CAPACITY OF THE BEAM IN BENDING.
3. DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
4. PROVIDE FIRE PROTECTION FOR STRUCTURAL STEEL IN ACCORDANCE WITH THE ARCHITECTURAL REQUIREMENTS. PROVIDE COMPATIBLE COATINGS OR SURFACE PREPARATION FOR STEEL MEMBERS TO BE FIRE-SPRAYED OR COATED WITH INTUMESCENT PAINT.
5. CONNECT HANGERS FOR MECHANICAL AND ELECTRICAL SERVICES AND OTHER NON-STRUCTURAL ELEMENTS NOT TO CAUSE TWISTING OF STEEL MEMBERS OR EXCESSIVE BENDING OF MEMBER FLANGES.

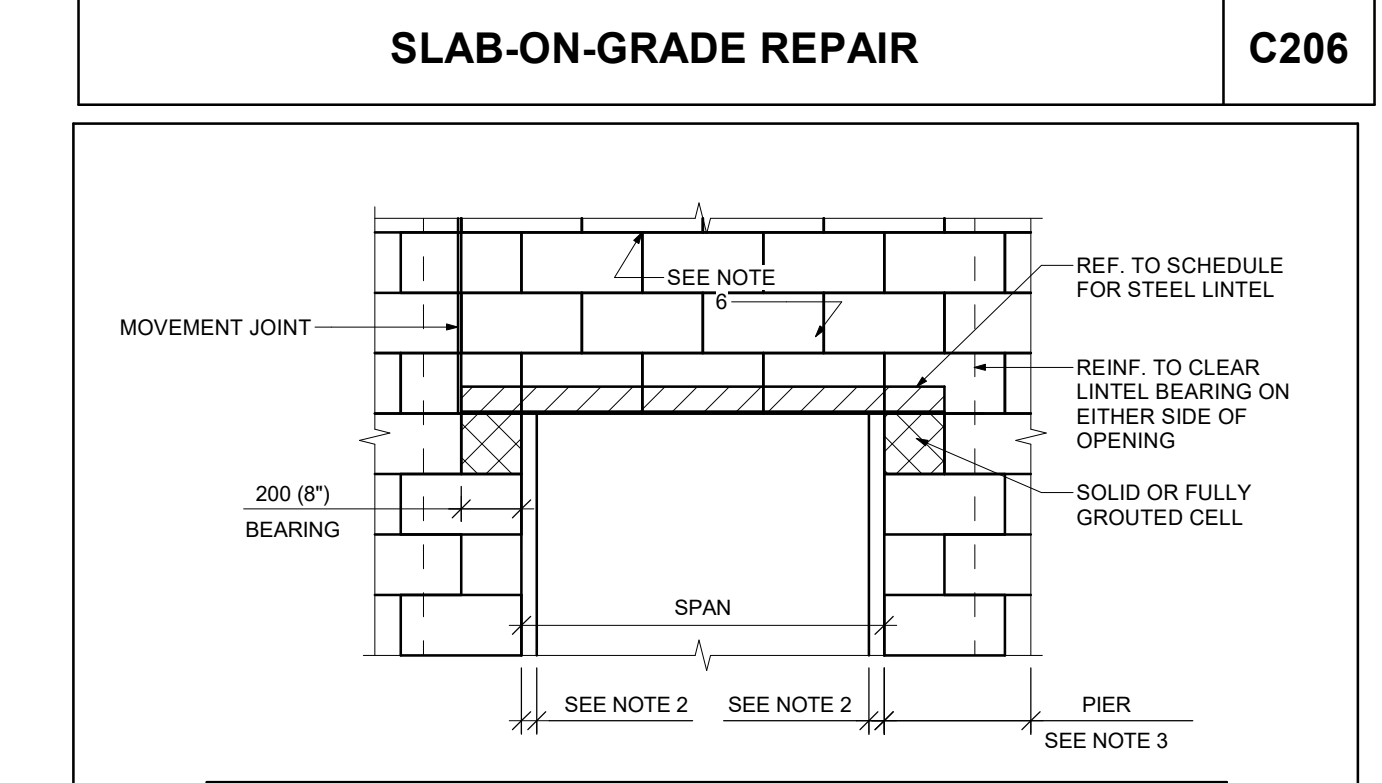
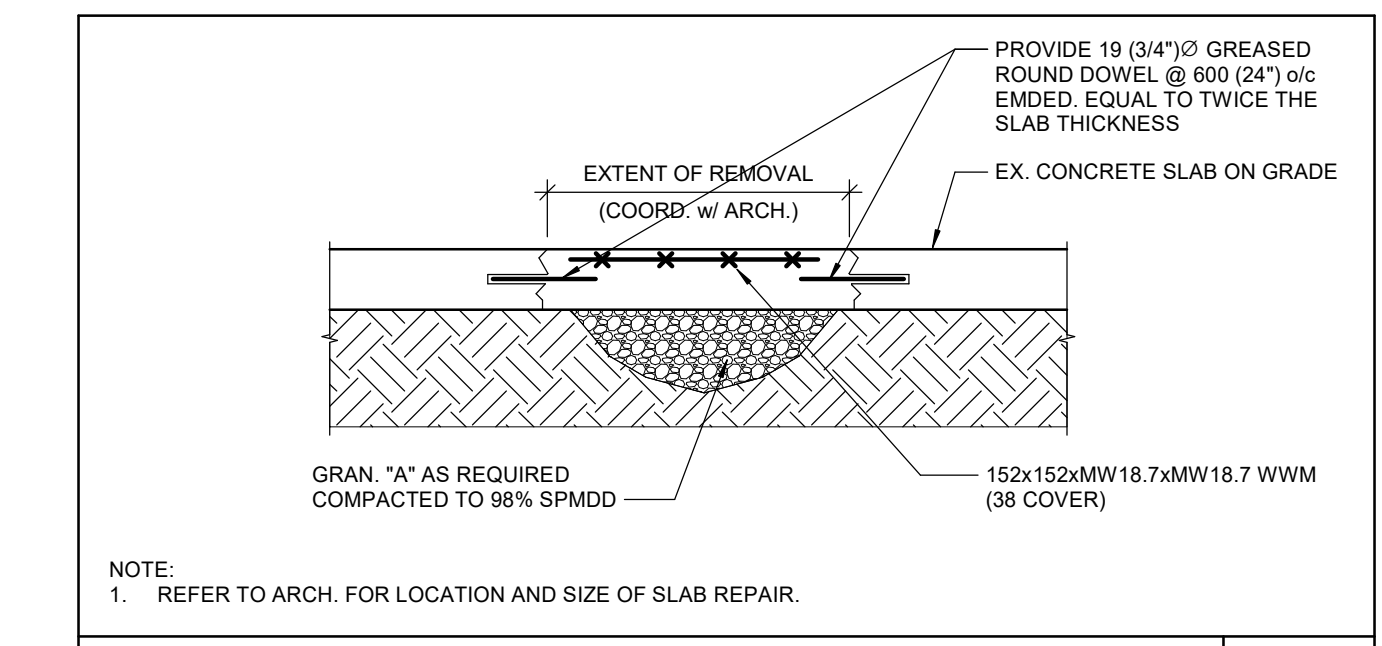
**Q. GENERAL REVIEW**

1. WALTERFEDY WILL PERFORM PERIODIC FIELD REVIEWS OF A REPRESENTATIVE SAMPLE OF THE WORK TO CONFIRM THAT THE WORK FOR WHICH WE ARE RESPONSIBLE IS IN GENERAL CONFORMANCE WITH THE DRAWINGS AND SPECIFICATIONS. REFER TO PLANS AND SPECIFICATIONS FOR LOADING AND PERFORMANCE REQUIREMENTS.
2. COOPERATE WITH CONSULTANTS AND INDEPENDENT INSPECTION AND TESTING AGENCIES RETAINED TO PERFORM FIELD REVIEW. PROVIDE ACCESS AND ASSISTANCE AS REQUIRED FOR THE SAFE PERFORMANCE OF THEIR WORK.
3. GENERAL REVIEW OF WORK DESIGNED BY OTHER PROFESSIONAL ENGINEERS (STAMPED SHOP DRAWINGS) IS TO BE PERFORMED BY THE ENGINEER RESPONSIBLE FOR THAT DESIGN. SUBMIT FIELD REVIEW REPORTS TO THE CONSULTANT.
4. PROVIDE REASONABLE NOTICE FOR FIELD REVIEWS AND INSPECTIONS OF COMPLETED WORK, PRIOR TO CONCEALING OR ATTACHING TO THE WORK.
5. FIELD REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR ACCURACY, QUALITY AND CONFORMANCE OF THE WORK WITH THE CONTRACT DOCUMENTS.

**INTERIOR NON-LOAD BEARING MASONRY WALL MINIMUM REINFORCEMENT**

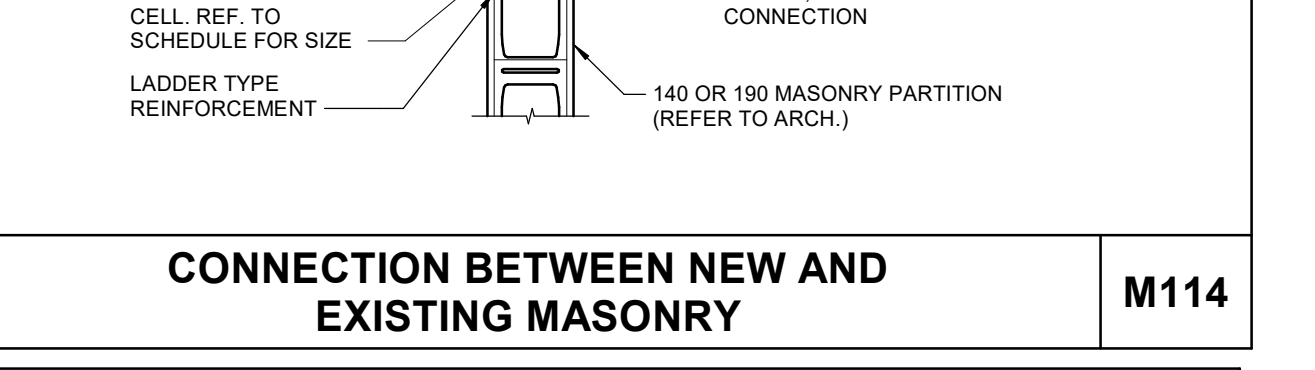
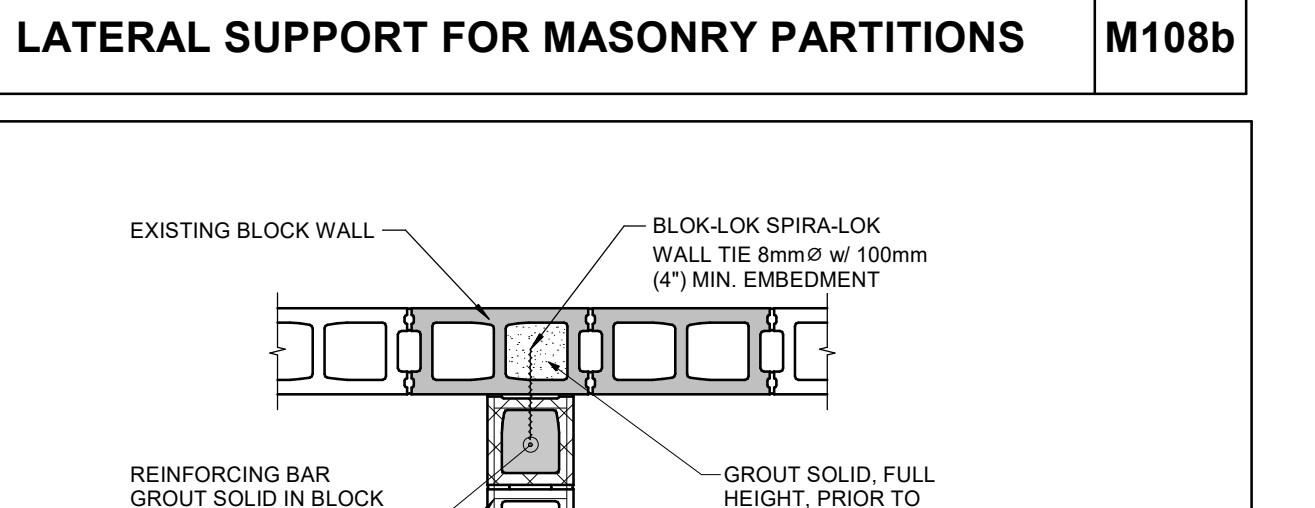
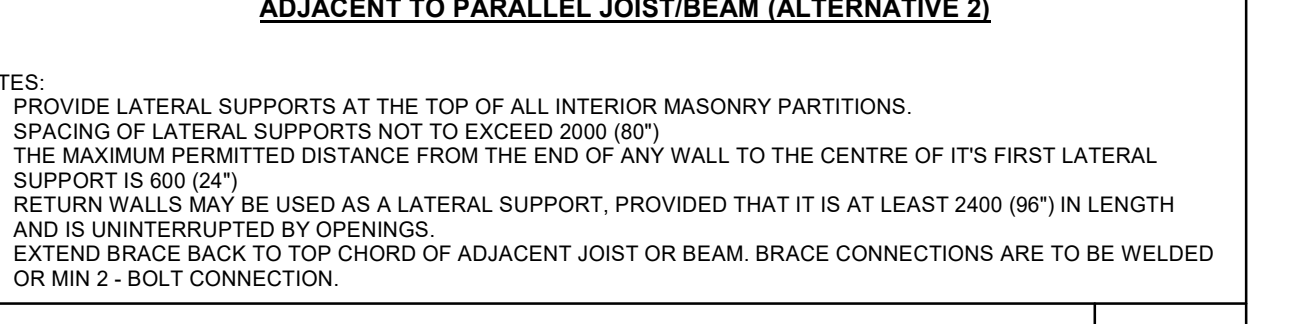
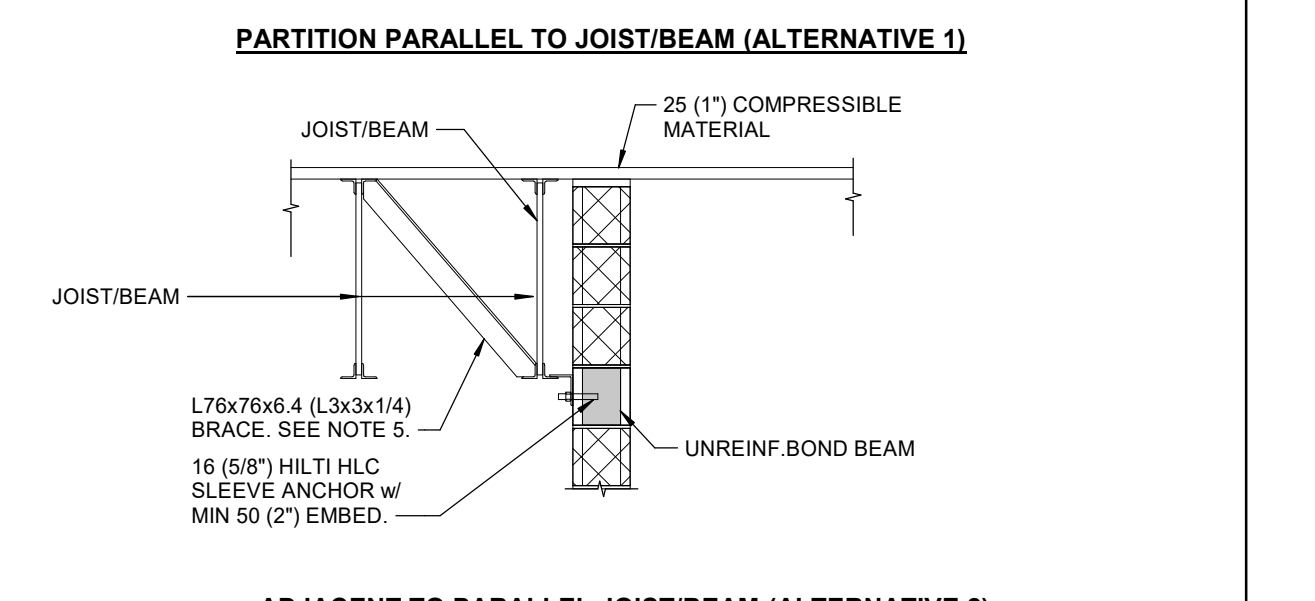
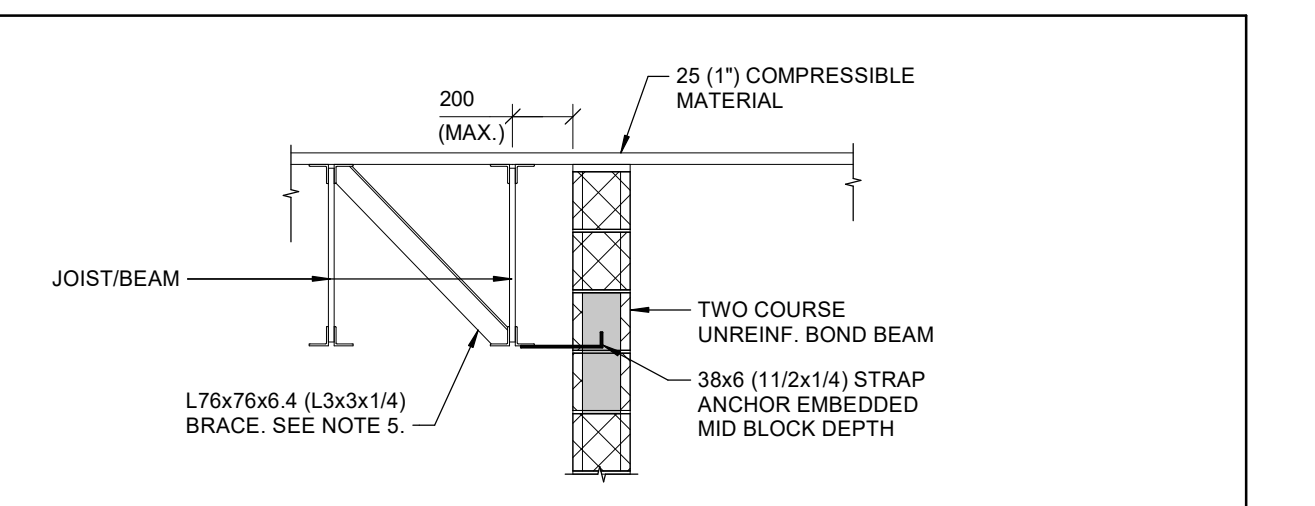
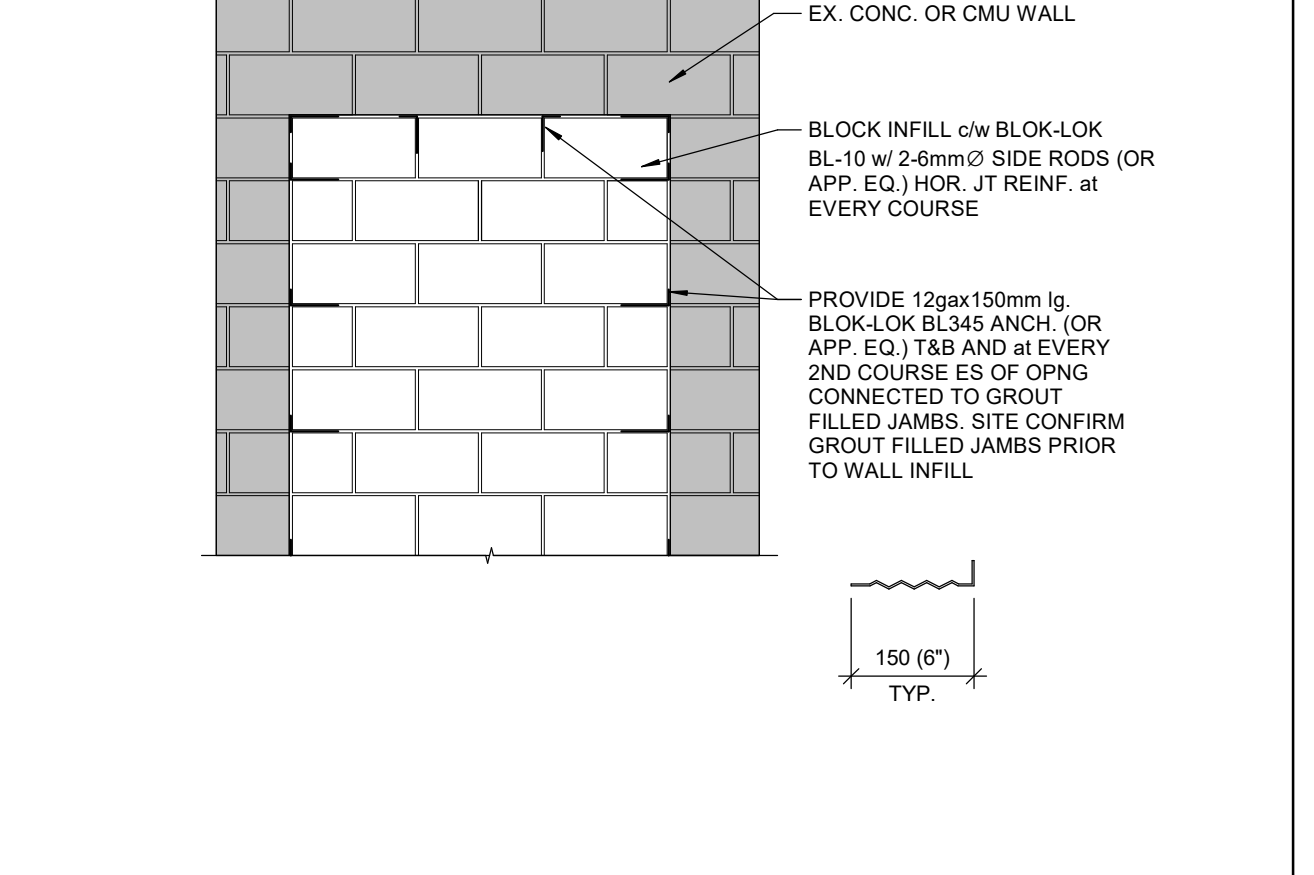
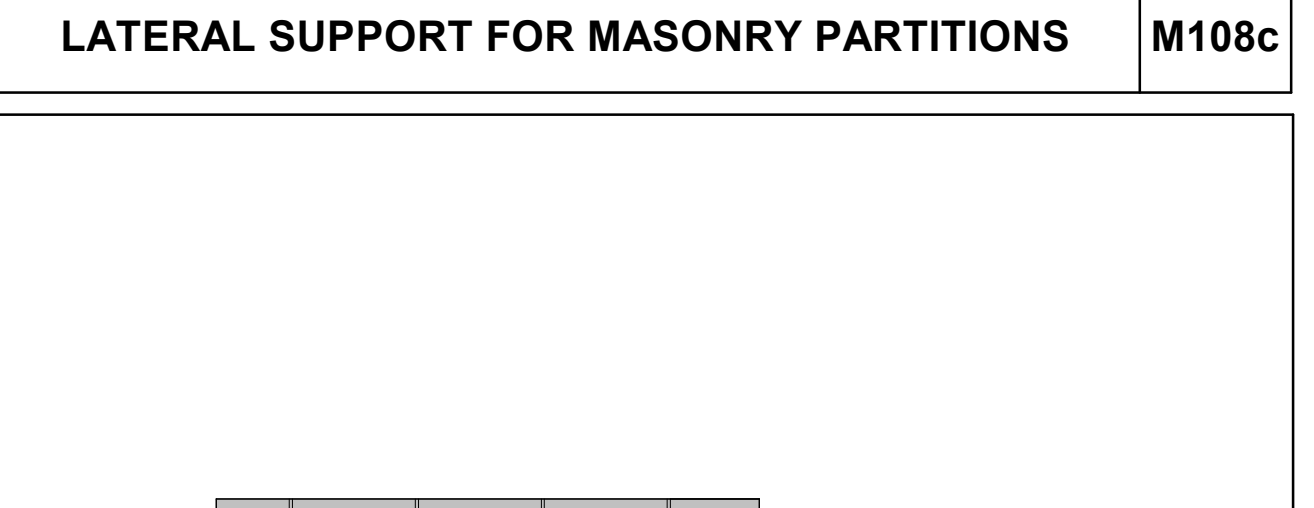
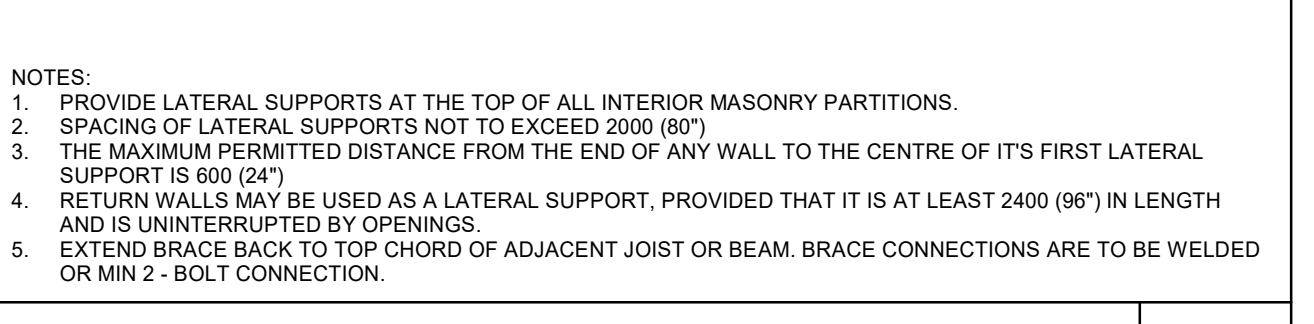
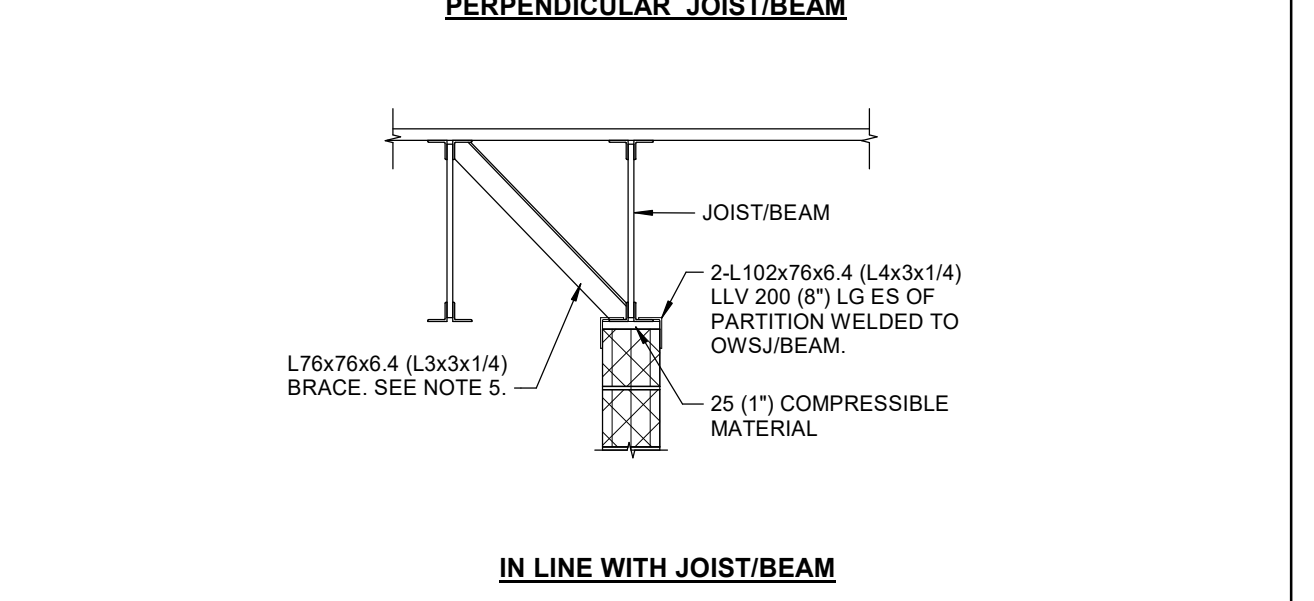
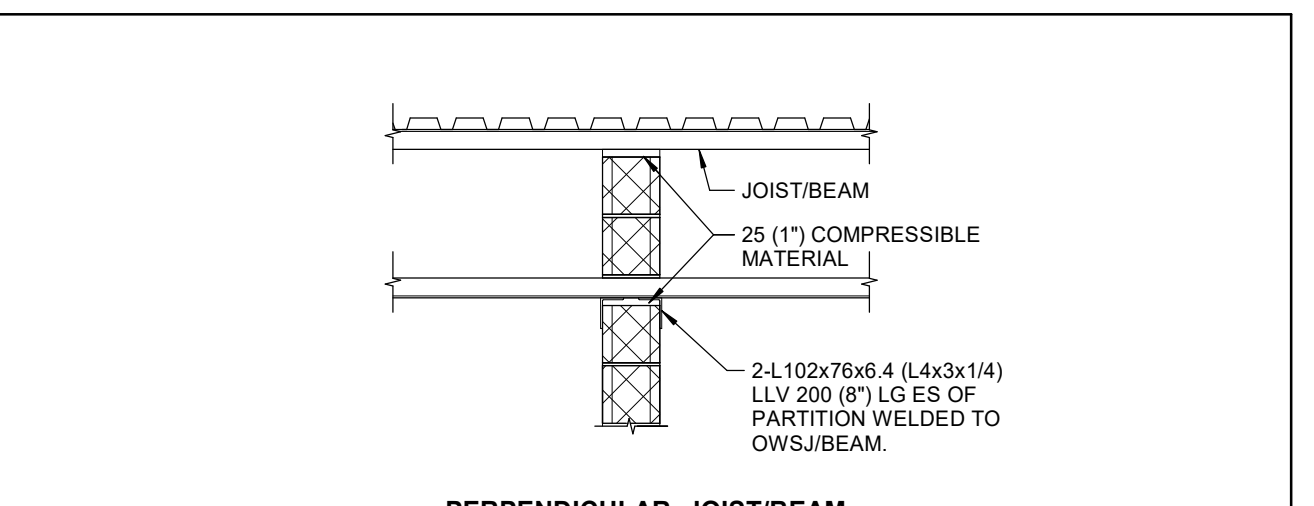
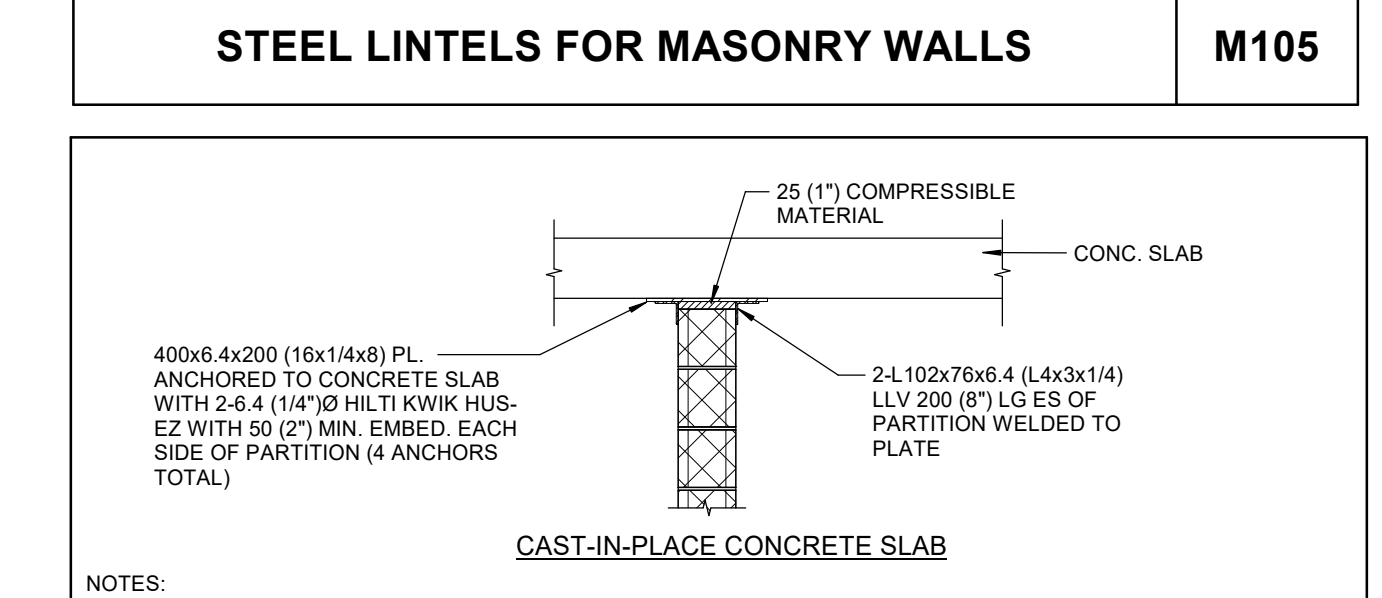
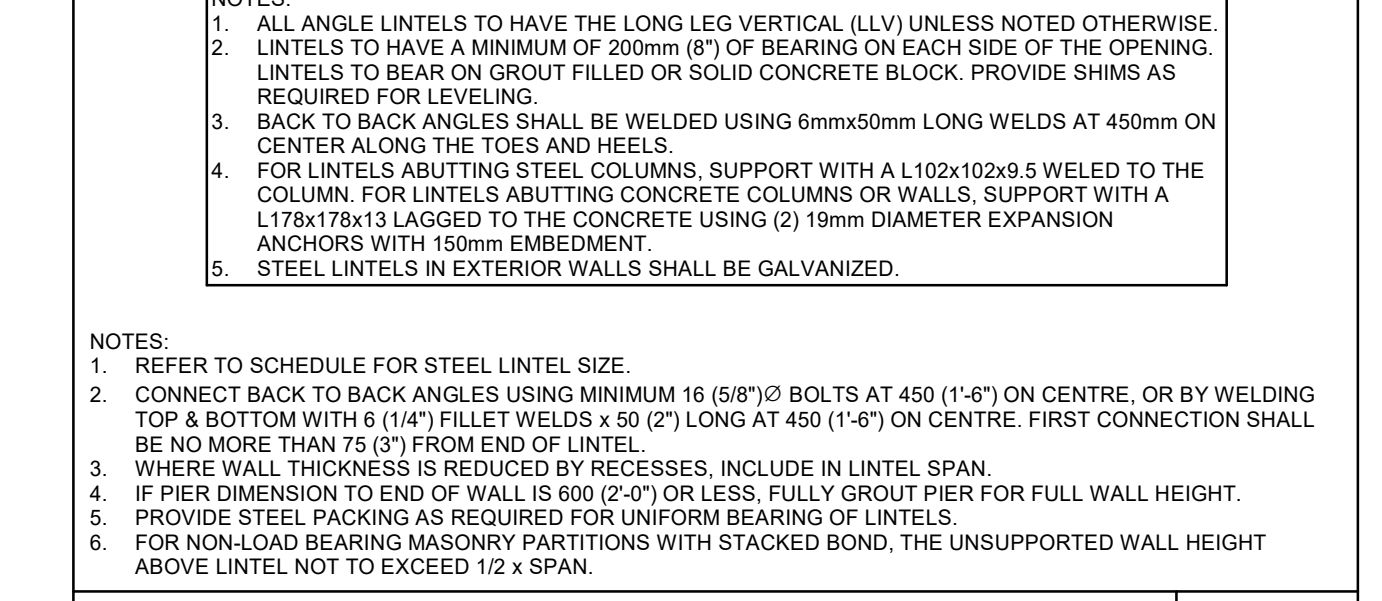
WALL THICKNESS	LOCATION	VERTICAL REINF.	MAXIMUM HEIGHT	HORIZONTAL JOINT REINFORCEMENT
140	INTERIOR PARTITION	N/A	4000	STANDARD (3.7mm) LADDER TYPE @400
190	INTERIOR PARTITION	15M@1200	4000	STANDARD (3.7mm) LADDER TYPE @400

NOTES:  
 1. PROVIDE REINFORCING FOR CONCRETE MASONRY WALLS AS PER THE SCHEDULE UNLESS NOTED OTHERWISE.  
 2. PROVIDE DOWELS INTO CONCRETE FOUNDATIONS AND SLAB THICKENINGS TO MATCH VERTICAL WALL REINFORCEMENT. UNLESS NOTED OTHERWISE.  
 3. REFER TO TYPICAL DETAILS FOR ADDITIONAL SUPPORT REQUIREMENTS.



WALL THICKNESS	SPAN	HEIGHT OF SUPPORTED MASONRY (h)			
		<1200 (4'-0")	<2600 (8'-0")	<4800 (15'-0")	>4800 (15'-0")
90 (4")	<1200 (4'-0")	L89x89x6.4	L89x89x6.4	L89x89x7.9	L102x89x7.9
	<1800 (6'-0")	L89x89x6.4	L89x89x6.4	L102x89x7.9	L102x89x7.9
	<2400 (8'-0")	L89x89x6.4	L102x89x6.4	L152x89x7.9	L152x89x7.9
	<3000 (10'-0")	L102x89x7.9	L152x89x7.9	N/A	N/A
	<3600 (12'-0")	L152x89x7.9	N/A	N/A	N/A
140 (6")	<1200 (4'-0")	L89x89x6.4	L89x89x6.4	L102x89x7.9	L102x89x7.9
	<1800 (6'-0")	L89x89x6.4	L89x89x6.4	L102x89x7.9	L102x89x7.9
	<2400 (8'-0")	L89x89x6.4	N/A	N/A	N/A
	<3000 (10'-0")	L89x89x6.4	N/A	N/A	N/A
	<3600 (12'-0")	N/A	N/A	N/A	N/A
190 (8")	<1200 (4'-0")	L89x89x6.4	L89x89x6.4	L102x89x7.9	L102x89x7.9
	<1800 (6'-0")	L89x89x6.4	L102x89x6.4	L152x89x7.9	L152x89x7.9
	<2400 (8'-0")	L102x89x6.4	L152x89x6.4	L212x89x7.9	L212x89x7.9
	<3000 (10'-0")	L127x89x7.9	L152x89x7.9	L152x89x7.9	L152x89x7.9
	<3600 (12'-0")	L127x89x7.9	L152x89x7.9	N/A	N/A
240 (10")	<1200 (4'-0")	L89x89x6.4	L89x89x6.4	L102x89x7.9	L102x89x7.9
	<1800 (6'-0")	L89x89x6.4	L102x89x6.4	L152x89x7.9	L152x89x7.9
	<2400 (8'-0")	L102x89x6.4	L152x89x6.4	L212x89x7.9	L212x89x7.9
	<3000 (10'-0")	L127x89x7.9	L152x89x7.9	L152x89x7.9	L152x89x7.9
	<3600 (12'-0")	L127x89x7.9	L152x89x7.9	N/A	N/A
290 (12")	<1200 (4'-0")	L89x89x6.4	L89x89x6.4	L102x89x7.9	L102x89x7.9
	<1800 (6'-0")	L89x89x6.4	L102x89x6.4	L152x89x7.9	L152x89x7.9
	<2400 (8'-0")	L102x89x6.4	L152x89x6.4	L212x89x7.9	L212x89x7.9
	<3000 (10'-0")	L127x89x7.9	L152x89x7.9	L152x89x7.9	L152x89x7.9
	<3600 (12'-0")	L127x89x7.9	L152x89x7.9	N/A	N/A

NOTES:  
 1. ALL ANGLE LINTELS TO HAVE THE LONG LEG VERTICAL (LLV) UNLESS NOTED OTHERWISE.  
 2. LINTELS TO HAVE A MINIMUM OF 200mm (8") OF BEARING ON EACH SIDE OF THE OPENING. LINTELS TO BEAR ON GROUT FILLED OR SOLID CONCRETE BLOCK. PROVIDE SHIMS AS REQUIRED FOR LEVELING.  
 3. BACK TO BACK ANGLES SHALL BE WELDED USING 6mmx50mm LONG WELDS AT 450mm ON CENTER ALONG THE TOES AND HEELS.  
 4. FOR LINTELS ABUTTING STEEL COLUMNS, SUPPORT WITH A L102x102x5 WELDED TO THE COLUMN. FOR LINTELS ABUTTING CONCRETE COLUMNS OR WALLS, SUPPORT WITH A L178x178x13 LAGGED TO THE CONCRETE USING (2) 19mm DIAMETER EXPANSION ANCHORS WITH 150mm EMBEDMENT.  
 5. STEEL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED.



THICKNESS	REINFORCEMENT
50 (2")	152x152MM 18.7x18.7 WWF
100 (4")	152x152MM 34.9x34.9 WWF
150 (6")	10M @300 (12") EW
200 (8")	15M @400 (16") EW

CLIENT LOGO



No.	ISSUANCE	DATE
1	ISSUED FOR 100% CD	2026-03-04
2	ISSUED FOR BID & PERMIT	2026-04-02

CLIENT

**WATERLOO REGION DISTRICT SCHOOL BOARD**

51 Ardelt Ave, Kitchener, ON N2G 2G5

PROJECT

**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**

787 King St W, Kitchener, ON N2G 2G5

TITLE

**GENERAL NOTES AND TYPICAL DETAILS FOR PHASE 1**

**WALTERFEDY**

TORONTO | CALGARY | EDMONTON | KITCHENER | HAMILTON

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SEAL



REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY, A PART OF WF GROUP, IS FORBIDDEN. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS TO WALTERFEDY, A PART OF WF GROUP. - DO NOT SCALE THIS DRAWING -

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SCALE:	AS NOTED	SHEET NO.:
DATE:	2026-02-17	<b>S001</b>
PROJECT NO.:	2025-4029-10	
DRAWN BY:	AD	
CHECKED BY:	SMP/PM	

**GENERAL NOTES**

**A. GENERAL**

- MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2024 ONTARIO BUILDING CODE AND ANY APPLICABLE ACTS OF THE AUTHORITY HAVING JURISDICTION.
- USE THESE DRAWINGS ONLY FOR THE PURPOSE IDENTIFIED IN THE REVISIONS COLUMN. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION".
- READ THE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS, AND ALL OTHER CONTRACT DOCUMENTS.
- VERIFY ALL STRUCTURAL DIMENSIONS WITH THE CIVIL, ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS. REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- THE MOST STRINGENT REQUIREMENT GOVERNS WHERE DISCREPANCIES OCCUR WITHIN THE CONTRACT DOCUMENTS, INCLUDING APPLICABLE CODES, STANDARDS AND ACTS.
- OPENINGS AND SLEEVES SHOWN ARE LOCATED AND DIMENSIONED FOR STRUCTURAL DETAILING PURPOSES ONLY. COORDINATE THE EXACT SIZES AND LOCATIONS WITH THE CONSULTANT AND APPLICABLE TRADES DURING CONSTRUCTION. REPORT ANY CONFLICTS TO THE CONSULTANT.
- DO NOT CUT, DRILL OR ALTER STRUCTURAL MEMBERS WITHOUT PERMISSION FROM THE CONSULTANT, UNLESS NOTED ON THE DRAWINGS.
- THE STRUCTURAL DRAWINGS ARE FOR THE COMPLETED PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY, TEMPORARY WORKS, AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION.
- PROVIDE ALL TEMPORARY SHORING, BRACING, HOARDING AND PROTECTION NECESSARY TO COMPLETE THE WORK AND COMPLY WITH APPLICABLE REGULATIONS. TEMPORARY WORKS TO BE DESIGNED AND INSPECTED BY A PROFESSIONAL ENGINEER WHO IS RETAINED BY THE CONTRACTOR.
- FOR INSPECTION AND TESTING REQUIREMENTS, REFER TO SPECIFICATIONS.

**B. EXISTING CONDITIONS**

- EXISTING STRUCTURE AND DIMENSIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND ARE PROVIDED TO CONVEY DESIGN INTENT ONLY. THE DESIGN IS BASED ON THE INFORMATION CONTAINED IN THE RECORD DRAWINGS FOR THE EXISTING BUILDINGS, AND ON LIMITED SITE OBSERVATIONS. VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING THE WORK. NOTIFY THE CONSULTANT OF ANY DISCREPANCIES OR CONDITIONS ENCOUNTERED THAT COULD POTENTIALLY AFFECT THE WORK AND OBTAIN DIRECTION BEFORE PROCEEDING.
- LOCATE ALL EXISTING BURIED UTILITIES AND STRUCTURES. REFER TO CIVIL, MECHANICAL AND ELECTRICAL DOCUMENTS FOR APPROXIMATE LOCATION OF ALL PROPOSED AND KNOWN EXISTING SERVICES. REMOVE, RELOCATE OR PROVIDE PROTECTION DURING CONSTRUCTION, AS DIRECTED BY THE CONSULTANT.
- PROTECT EXISTING STRUCTURES FROM DAMAGE DURING CONSTRUCTION. PATCH AND MAKE GOOD ALL EXISTING BUILDING ELEMENTS DISTURBED OR DAMAGED AS PART OF THE WORK.

**C. DEMOLITION**

- CARRY OUT ALL DEMOLITION, REMOVAL AND DISPOSAL IN ACCORDANCE WITH APPLICABLE PROVINCIAL AND LOCAL REGULATION.
- PROTECT ADJACENT STRUCTURES, FINISHES AND SERVICES FROM DAMAGE DURING DEMOLITION WORK.
- SAFELY STORE ALL STRUCTURAL ELEMENTS AND OTHER PRODUCTS WHICH ARE TO BE RE-USED.
- ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO GUARD AGAINST MOVEMENT OR SETTLEMENT OF THE REMAINING STRUCTURE, INCLUDING ALL NECESSARY BRACING OR SHORING THAT IS REQUIRED.
- CONTRACTOR TO VERIFY ALL DIMENSIONS ON SITE AND MAKE MODIFICATIONS TO SUIT EXISTING SITE CONDITIONS.
- SCAN CONCRETE FOR EMBEDDED CONDUIT OR SERVICES PRIOR TO DEMOLITION/SAW-CUTTING.
- REPORT ALL DISCREPANCIES TO CONSTRUCTION MANAGER FOR CONFIRMATION/CLARIFICATION PRIOR TO COMMENCEMENT OF ANY DEMOLITION SCOPE.
- ALL DEMOLITION DEBRIS TO BE DISPOSED OF OFF SITE.
- PATCH AND MAKE GOOD ALL FLOORS WHERE DISTURBED BY REMOVAL OF WALL ASSEMBLY AND/OR EXISTING FINISHES.
- PATCH AND MAKE GOOD ALL EXISTING MASONRY WALLS TO REMAIN DISTURBED BY REMOVAL OF ADJACENT SURFACES.
- CONTRACTOR TO ENSURE ALL EXIT SIGNAGE TO REMAIN AS INSTALLED AND ENSURE FIXTURES ARE OPERATIONAL. CONTRACTOR TO PROVIDE RE-SUPPORT AS REQUIRED.
- CONTRACTOR TO ENSURE ALL EMERGENCY LIGHT FIXTURES CONNECTED TO EMERGENCY STANDBY GENERATOR, TO REMAIN FUNCTIONAL ALONG EGRESS ROUTES.
- CONTRACTOR TO MAINTAIN BATTERY POWERED CEILING RECESSED LIGHTING HEADS AND PROVIDE RE-SUPPORT AS REQUIRED.
- CONTRACTOR TO ENSURE ALL MANUAL PULL STATIONS AND FIRE ALARM BELLS REMAIN OPERATIONAL. IF A DEVICE MUST BE REMOVED DUE TO IN-SLAB CONDUIT, ETC., THE DEVICE MUST BE PROPERLY DE-PROGRAMMED BY QUALIFIED PERSONNEL AND REACTIVATED AT END OF WORKING DAY.
- CONTRACTOR TO PROVIDE TEMPORARY PARTITIONS AS REQUIRED TO CONTROL DUST, NOISE AND FUME MIGRATION INTO ADJACENT SPACES.

**D. MATERIALS**

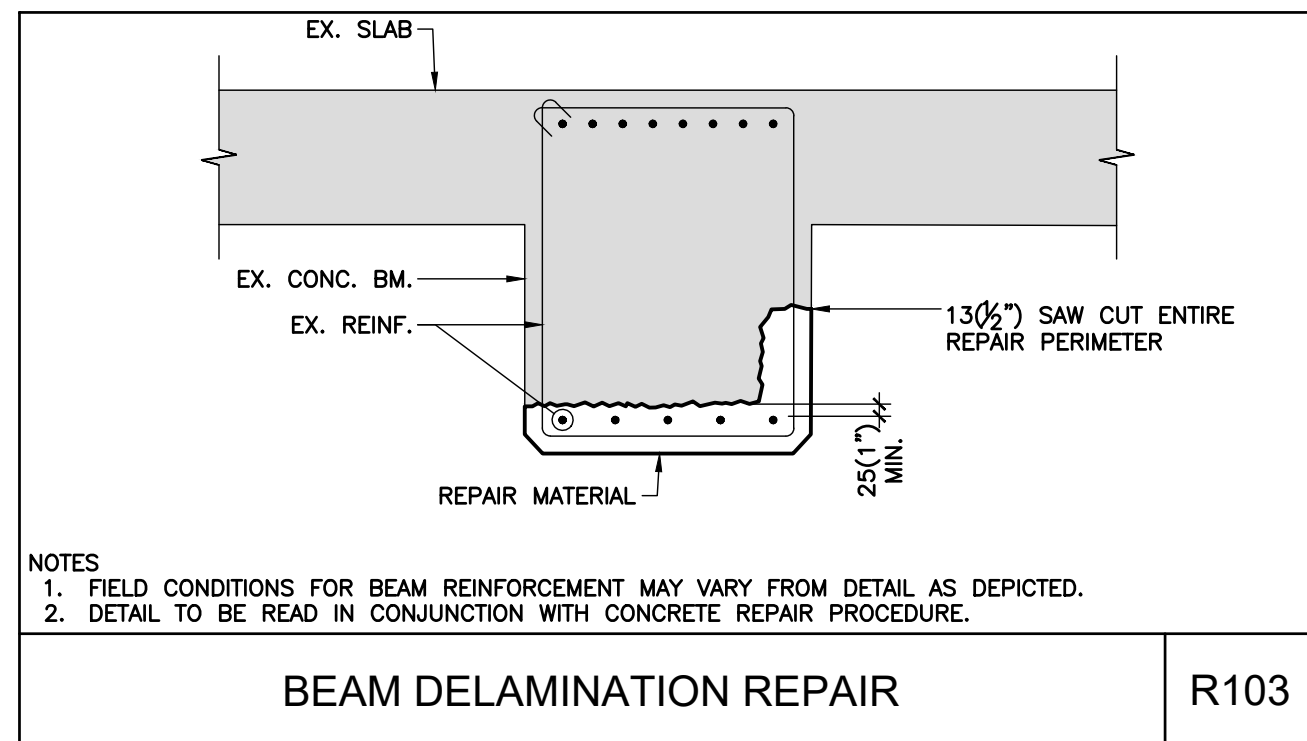
- STRUCTURAL CONCRETE:
  - CONCRETE: CONFORMING TO CSA A23.1 AND PER THE CONCRETE DESIGN PROPERTIES TABLE.
  - REINFORCING BARS: CONFORMING TO CSA G30.18, GRADE 400R (OR 400W WHERE WELDING IS REQUIRED). ALL REINFORCING TO BE BLACK STEEL UNLESS NOTED.
  - STAINLESS STEEL BARS: CONFORMING TO ASTM A955/A955M GRADE 60 (420 MPa).
  - WELDED WIRE REINFORCING: CONFORMING TO ASTM A1064/A1064M, MINIMUM YIELD STRENGTH OF 450 MPa. SUPPLIED IN FLAT SHEETS ONLY.
  - MECHANICAL COUPLERS: LENTON TAPER-THREADED, FORM SAVER, SPEED SLEEVE OR LOCK BY ERICO, OR APPROVED ALTERNATE.
  - POST INSTALLED MECHANICAL CONCRETE ANCHORS (MCA): HILTI KWIK BOLT - TZ EXPANSION ANCHORS, ZINC PLATED CARBON STEEL, OR APPROVED ALTERNATE, UNLESS NOTED OTHERWISE.
  - POST INSTALLED ADHESIVE CONCRETE ANCHORS (ACA): HILTI HAS THREADED RODS, ZINC PLATED CARBON STEEL, WITH HIT-HY 200 ADHESIVE, OR APPROVED ALTERNATE, UNLESS NOTED OTHERWISE.
  - POST INSTALLED REBAR DOWELS, WHERE NOTED ON DRAWINGS ONLY: HILTI HIT-RE 500 V3 ADHESIVE ANCHORING SYSTEM INSTALLED USING HILTI SAFESIT HOLLOW DRILL BIT TECHNOLOGY OR APPROVED ALTERNATE, UNLESS NOTED OTHERWISE.
- NON-SHRINK GROUT: NON-METALLIC, 40 MPa MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS.
- CONCRETE REPAIR MATERIALS:
  - SACRIFICIAL ANODES: GALVASHIELD XP OR APPROVED EQUIVALENT EVERY 3000mm
  - VERTICAL AND OVERHEAD APPLICATIONS (SHALLOW SURFACE): SIKATOP 123 PLUS BY SIKA OR APPROVED EQUIVALENT
  - HORIZONTAL APPLICATIONS: SIKATOP 122 PLUS BY SIKA OR APPROVED EQUIVALENT
  - REBAR PRIMER/COATING: SIKATOP ARMATEC-110 EPOCEM BY SIKA OR APPROVED EQUIVALENT
  - BONDING AGENT: CEMENT SLURRY CONSISTING OF ONE PART PORTLAND TYPE 10 CEMENT TO ONE PART FINE AGGREGATE WITH SUFFICIENT WATER TO FORM A HEAVY CREAM CONSISTENCY. CEMENT SLURRY TO BE COMPLETE WITH SIKACEM 810 CEMENT SLURRY ADMIXTURE; OR APPROVED EQUIVALENT
- SILANE: SIKAGARD H 1000 BY SIKA OR APPROVED EQUIVALENT.**

**Q. GENERAL REVIEW**

- WALTERFEDY WILL PERFORM PERIODIC FIELD REVIEWS OF A REPRESENTATIVE SAMPLE OF THE WORK TO CONFIRM THAT THE WORK FOR WHICH WE ARE RESPONSIBLE IS IN GENERAL CONFORMANCE WITH THE DRAWINGS AND SPECIFICATIONS. REFER TO PLANS AND SPECIFICATIONS FOR LOADING AND PERFORMANCE REQUIREMENTS.
- COOPERATE WITH CONSULTANTS AND INDEPENDENT INSPECTION AND TESTING AGENCIES RETAINED TO PERFORM FIELD REVIEW. PROVIDE ACCESS AND ASSISTANCE AS REQUIRED FOR THE SAFE PERFORMANCE OF THEIR WORK.
- GENERAL REVIEW OF WORK DESIGNED BY OTHER PROFESSIONAL ENGINEERS (STAMPED SHOP DRAWINGS) IS TO BE PERFORMED BY THE ENGINEER RESPONSIBLE FOR THAT DESIGN. SUBMIT FIELD REVIEW REPORTS TO THE CONSULTANT.
- PROVIDE REASONABLE NOTICE FOR FIELD REVIEWS AND INSPECTIONS OF COMPLETED WORK, PRIOR TO CONCEALING OR ATTACHING TO THE WORK.
- FIELD REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR ACCURACY, QUALITY AND CONFORMANCE OF THE WORK WITH THE CONTRACT DOCUMENTS.

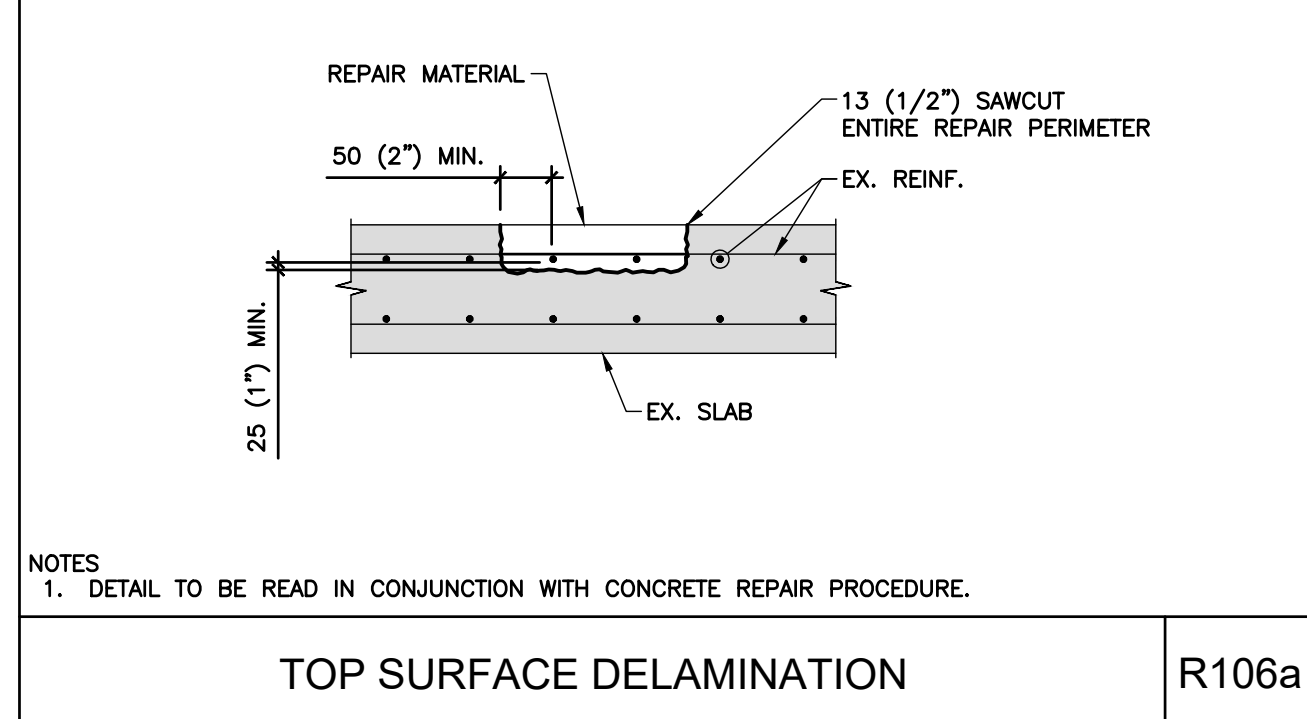
**R. SUBMITTALS**

- SUBMIT THE FOLLOWING SHOP DRAWINGS TO THE CONSULTANT FOR REVIEW PRIOR TO COMPLETING THE WORK ALLOW UP TO 10 BUSINESS DAYS FOR REVIEW:
  - PACKAGED REPAIR MATERIALS (DATA SHEETS)
  - COATINGS/PRIMERS (DATA SHEETS)
  - SACRIFICIAL ANODES (DATA SHEETS)
  - DRAINS (DATA SHEETS)
  - CONCRETE MIX DESIGN
- SHOP DRAWINGS WILL BE REVIEWED SOLELY TO ASCERTAIN GENERAL CONFORMANCE WITH THE DESIGN CONCEPT. THE CONSULTANT'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS AND OMISSIONS IN THE SHOP DRAWING OR RESPONSIBILITY FOR MEETING THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.



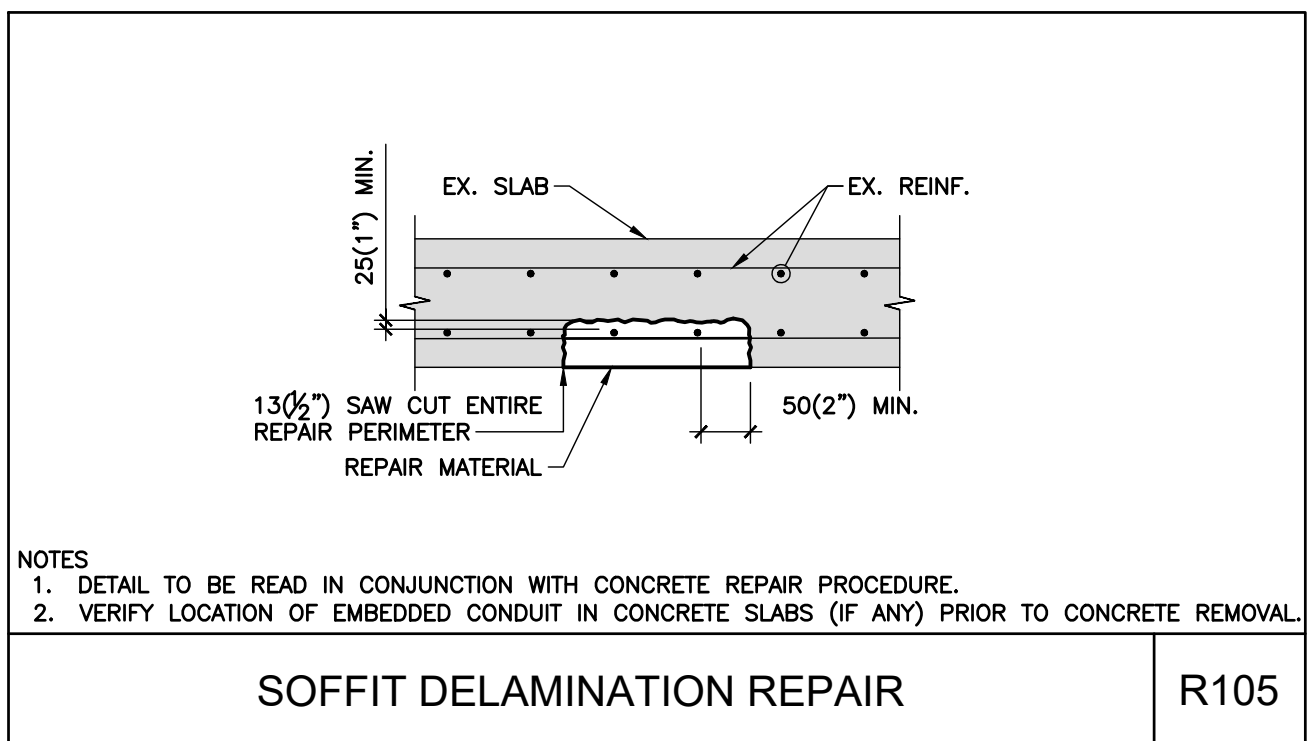
NOTES  
 1. FIELD CONDITIONS FOR BEAM REINFORCEMENT MAY VARY FROM DETAIL AS DEPICTED.  
 2. DETAIL TO BE READ IN CONJUNCTION WITH CONCRETE REPAIR PROCEDURE.

**BEAM DELAMINATION REPAIR** R103



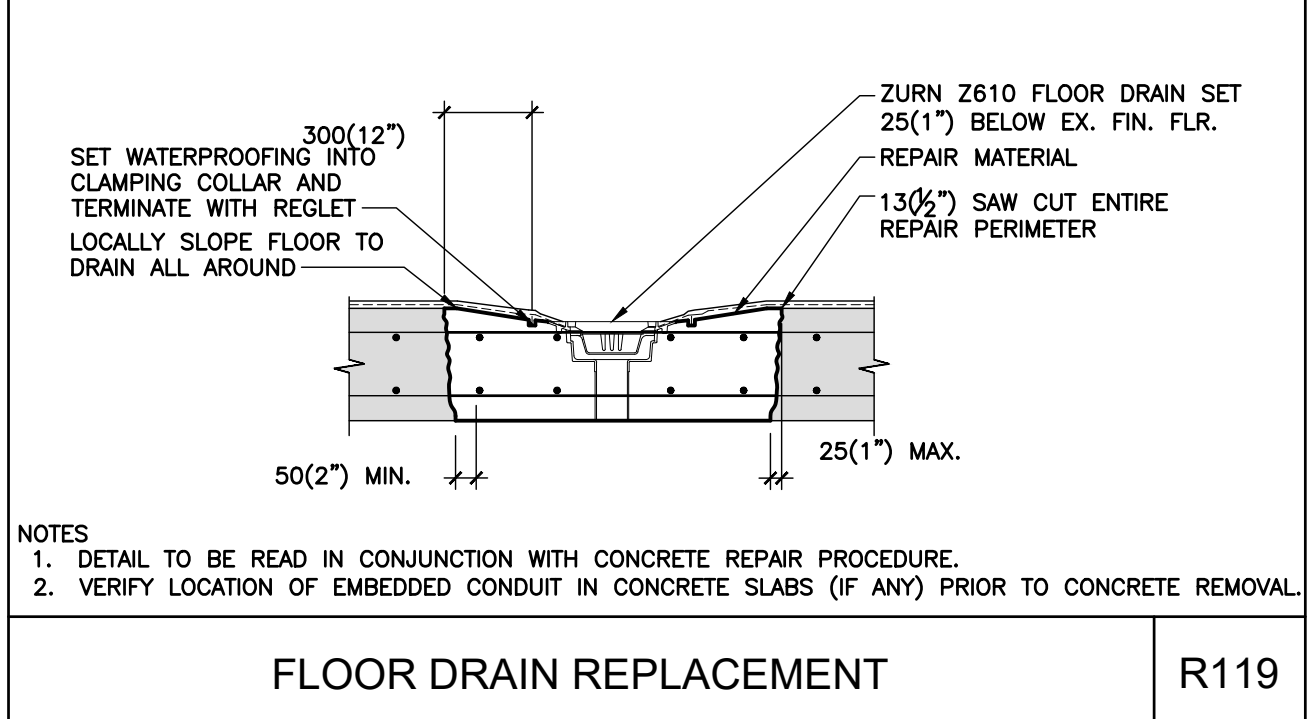
NOTES  
 1. DETAIL TO BE READ IN CONJUNCTION WITH CONCRETE REPAIR PROCEDURE.

**TOP SURFACE DELAMINATION** R106a



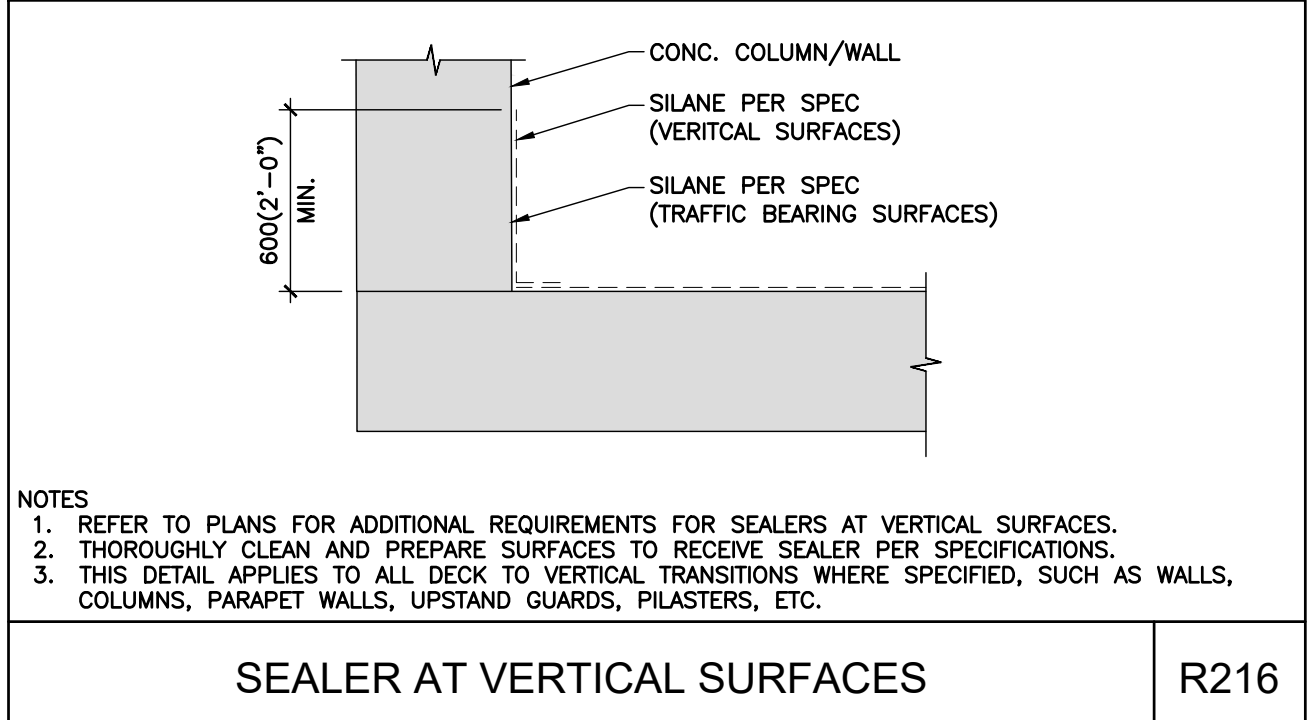
NOTES  
 1. DETAIL TO BE READ IN CONJUNCTION WITH CONCRETE REPAIR PROCEDURE.  
 2. VERIFY LOCATION OF EMBEDDED CONDUIT IN CONCRETE SLABS (IF ANY) PRIOR TO CONCRETE REMOVAL.

**SOFFIT DELAMINATION REPAIR** R105



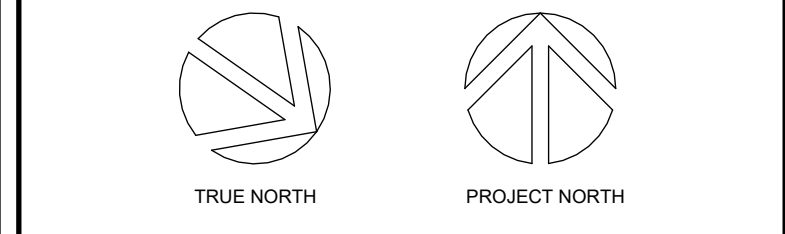
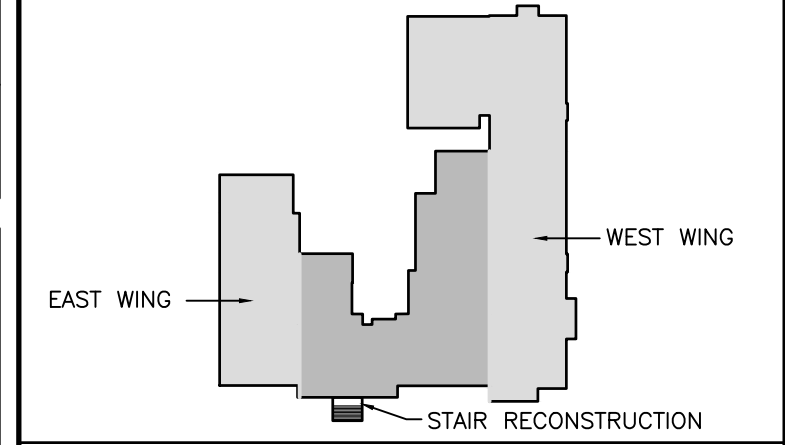
NOTES  
 1. DETAIL TO BE READ IN CONJUNCTION WITH CONCRETE REPAIR PROCEDURE.  
 2. VERIFY LOCATION OF EMBEDDED CONDUIT IN CONCRETE SLABS (IF ANY) PRIOR TO CONCRETE REMOVAL.

**FLOOR DRAIN REPLACEMENT** R119



NOTES  
 1. REFER TO PLANS FOR ADDITIONAL REQUIREMENTS FOR SEALERS AT VERTICAL SURFACES.  
 2. THOROUGHLY CLEAN AND PREPARE SURFACES TO RECEIVE SEALER PER SPECIFICATIONS.  
 3. THIS DETAIL APPLIES TO ALL DECK TO VERTICAL TRANSITIONS WHERE SPECIFIED, SUCH AS WALLS, COLUMNS, PARAPET WALLS, UPSTAND GUARDS, PILASTERS, ETC.

**SEALER AT VERTICAL SURFACES** R216



date	issued
2026.02.13	ISSUED FOR 60% OWNER'S REVIEW
2026.03.04	ISSUED FOR 100% CD
2026.04.02	ISSUED FOR BID AND PERMIT

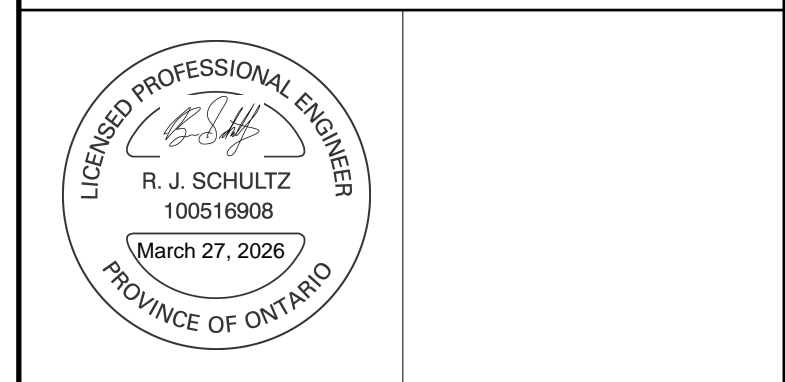
date	revision	no.

customer  
**WATERLOO REGION DISTRICT SCHOOL BOARD**  
 51 ARDELT AVENUE, KITCHENER

project  
**KCI - HEALTH AND PHYSICAL EDUCATION RENOVATION**  
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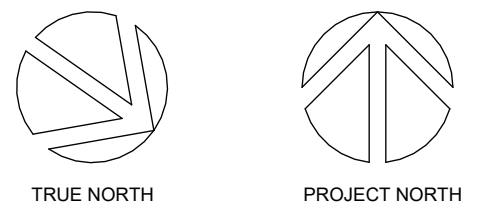
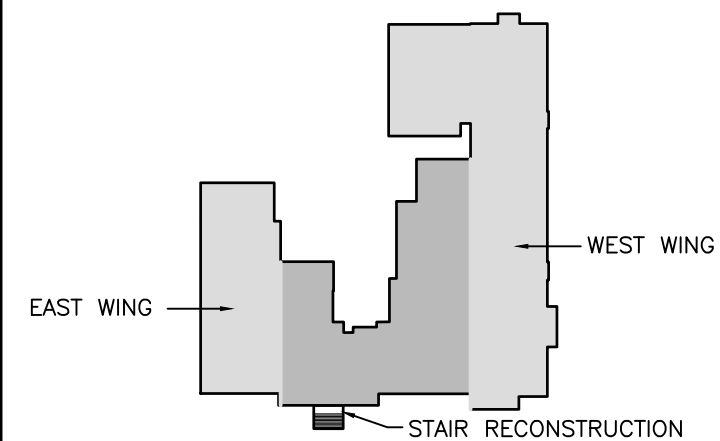
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title  
**CONCRETE STAIR FRAMING AND SECTIONS**

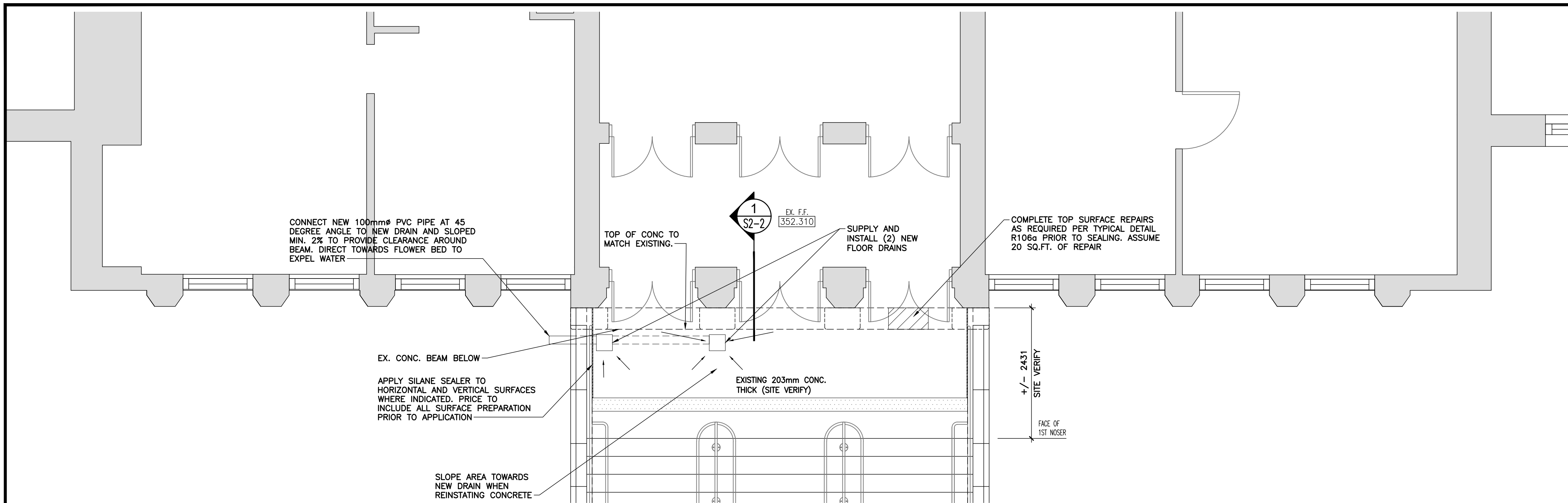
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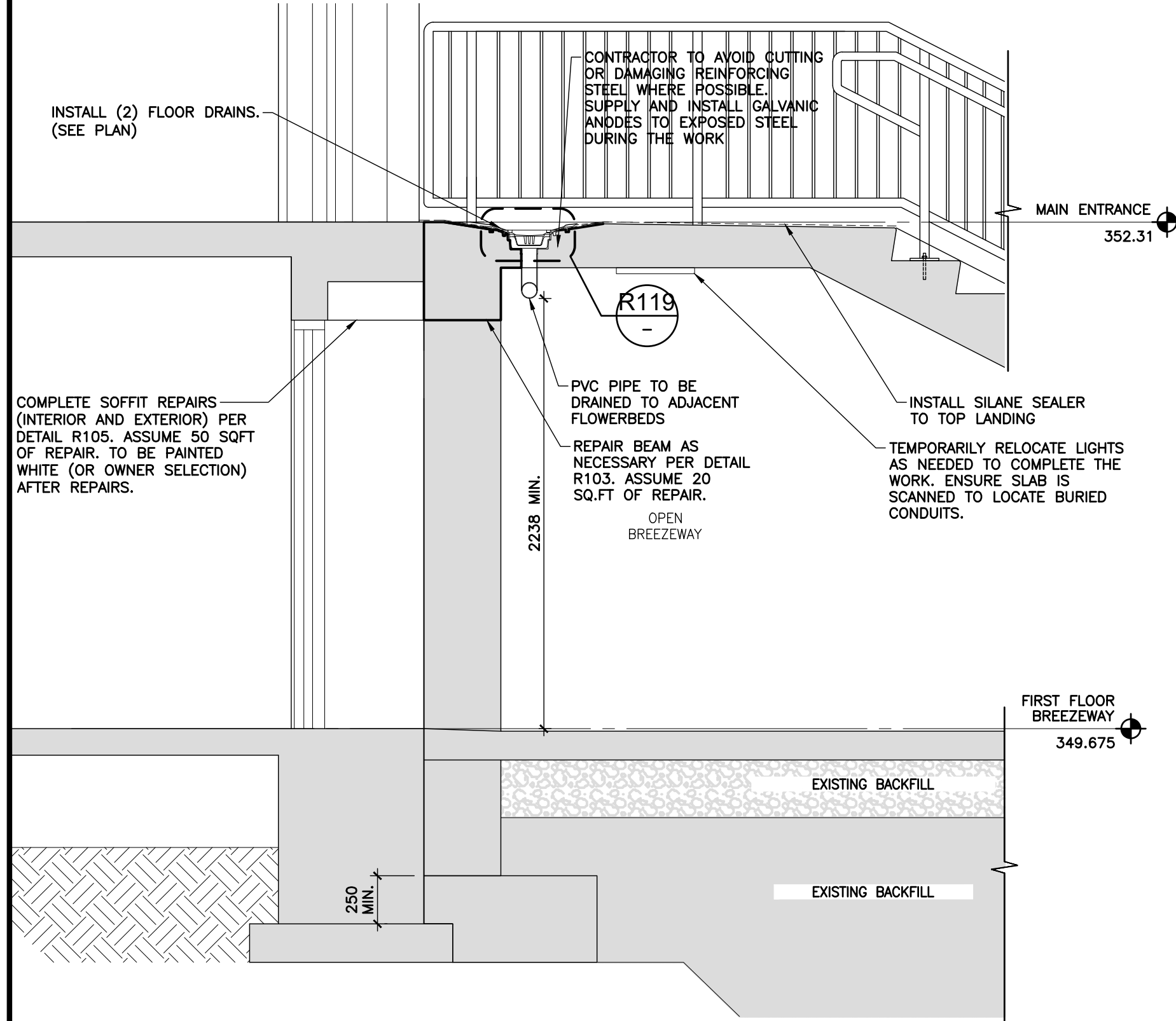
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drawn by:	KS		
checked by:			



**CONCRETE STAIR FRAMING PLAN**  
 1:50

**GENERAL SCOPE OF WORK**

- SUPPLY AND INSTALL TWO NEW FLOOR DRAINS WHERE INDICATED.
- INSTALL INSULATED PVC PIPES TO EXPEL WATER TO ADJACENT FLOWERBEDS AS INDICATED.
- INSTALL SILANE SEALER ON TOP LANDING CONCRETE AREAS AND UPTURNS
- PROVIDE CONSTRUCTION SIGNAGE AND HOARDING AS REQUIRED TO COMPLETE THE WORK.



**1 SECTION THROUGH STAIR**  
 S2-2 1:25



**F. CONCRETE REPAIR PROCEDURE**

UNIT RATES APPLY TO ALL CONCRETE REPAIRS (SEE PLANS AND TYPICAL REPAIR DETAILS). REFER TO BID FORM FOR MORE INFORMATION ON PRICING.

- LOCATE APPROXIMATE EXTENT OF DELAMINATED CONCRETE BY HAMMER SOUNDING OR CHAIN DRAG, AND MARK ALL AREAS TO BE REPAIRED WITH CHALK. REVIEW QUANTITIES AND REPAIRS AREAS WITH THE CONSULTANT PRIOR TO PROCEEDING WITH THE WORK. THE CONSULTANT IS TO BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF REVIEW.
- THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND COORDINATING A MOCK-UP WITH THE CONSULTANT, DEMONSTRATING ADEQUATE PERFORMANCE OF THE CONTENT IN THIS SECTION. THE CONTRACTOR MUST ENSURE THAT THE QUALITY OF THE MOCK-UP IS MAINTAINED FOR REPAIRED AREAS.
- VERIFY THE LOCATION OF EXISTING REINFORCING STEEL PRIOR TO CUTTING OR CHIPPING CONCRETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE REINFORCING STEEL IS NOT CUT OR DAMAGED PRIOR TO OR DURING CONCRETE REMOVAL.
- PROVIDE TEMPORARY SHORING TO SAFELY SUPPORT STRUCTURE AS REQUIRED, PER SECTION A.
- SAW CUT PERIMETER OF AREA TO BE REPAIRED. SAW CUTS TO BE A MINIMUM 13 (1/2") DEEP WITH THE FOLLOWING STIPULATIONS:
  - SAW CUT OVER-RUN AT CORNERS OF REPAIR AREA IS NOT PERMITTED. TO AVOID SAW CUT OVER-RUN, CHIP CORNERS TO A VERTICAL EDGE.
  - SHOULD THE EXISTING REINFORCING STEEL HAVE INSUFFICIENT COVER TO PERMIT 13 (1/2") DEEP SAW CUT, CHIP THE PERIMETER TO A VERTICAL EDGE AT REINFORCING STEEL LOCATIONS.
  - FEATHERED EDGES ARE NOT PERMITTED.
- REMOVE CONCRETE WITH APPROPRIATELY SIZED CHIPPING HAMMERS (PER SPEC) TO SOUND CONCRETE. EXTEND CONCRETE REMOVAL SUCH THAT A MINIMUM OF 50 (2") OF CORROSION-FREE IS EXPOSED.
- FOR SURFACE REPAIRS, CONCRETE TO BE REMOVED AT LEAST 25 (1") BEHIND EXPOSED REINFORCING STEEL. REFER TO CONCRETE REPAIR DETAILS.
- CONCRETE TO BE ROUGHENED TO A MINIMUM SURFACE PROFILE OF CSP7 (6mm OR 1/4" AMPLITUDE), AS DIRECTED BY ICRI 310.2.R. REMOVE BRUISED CONCRETE SUBSTRATE WEAKENED BY MICROCRACKING, AT THE DIRECTION OF THE CONSULTANT, WITH DRY ABRASIVE OR HIGH-PRESSURE WATER-BLASTING WITH OR WITHOUT ABRASIVE.
- CLEAN EXISTING STEEL BY REMOVING ALL LOOSE CORROSION, DUST, DIRT, OR ANY OTHER LATENCIES BY MECHANICAL MEANS. IN ACCORDANCE WITH SPECIFICATIONS, CLEANING BY MECHANICAL WIRE WHEEL OR ABRASIVE BLAST ARE APPROVED METHODS.
- REINFORCE STEEL WITH EXTENSIVE CORROSION IS TO BE CUT OUT AND REPLACED AT THE DIRECTION OF THE CONSULTANT. SPLICE REINFORCING STEEL WITH THE APPROPRIATE LAP SPLICE, OR WITH REBAR COUPLERS THAT ARE ACCEPTABLE TO THE CONSULTANT. EXTENT OF CONCRETE REMOVAL SHALL BE INCREASED AS REQUIRED TO ALLOW FOR THE APPROPRIATE LAP SPLICE. WELDING REBAR IS NOT PERMITTED UNLESS PERMITTED BY THE CONSULTANT.
- RE-TIE EXPOSED REINFORCING STEEL, AS REQUIRED.
- COAT ALL EXPOSED REINFORCING STEEL, AS REQUIRED.
- COAT CONCRETE REPAIR AREA WITH SLURRY COAT OR BONDING AGENT, IF SPECIFIED, ONTO SATURATED SURFACE-DRY SUBSTRATE IMMEDIATELY PRIOR TO PLACING THE CONCRETE REPAIR MATERIALS. STANDING WATER AT THE REPAIR ARE IS NOT PERMITTED.
- SUPPLY, PLACE, FINISH AND CURE REPAIR MATERIAL PER SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS. IF THERE ARE DISCREPANCIES BETWEEN THE MANUFACTURER'S REQUIREMENTS/BEST PRACTICES AND THE CONSULTANT SPECIFICATIONS, THE MANUFACTURER'S REQUIREMENTS/BEST PRACTICES SHALL GOVERN.
- ALL CONCRETE REPAIRS TO BE FORMED OR TROWELED SMOOTH, UNLESS OTHERWISE NOTED.
- WHERE THE EXISTING STRUCTURE HAS CHAMFERED CORNERS FOR AREAS TO BE REPAIRED, PROVIDE FORMED CHAMFERS TO MATCH EXISTING.