



DRAWING LIST	
ARCHITECTURE	
A001	ASSEMBLIES, LEGENDS, NOTES AND DOOR AND SCREEN SCHEDULE
A101	OVERALL SITE PLAN AND OBC MATRIX
A201	DEMOLITION PLANS
A202	ENLARGED FLOOR PLANS, DETAILS
A203	REFLECTED CEILING PLANS AND TYPICAL DETAILS
A501	SECTION DETAILS
STRUCTURAL	
S001	GENERAL NOTES AND TABLES
S002	TYPICAL DETAILS
S201	PARTIAL GROUND FLOOR PLAN AND SECTIONS
MECHANICAL	
M1.1	KEY PLAN, LEGEND & SCHEDULES
M1.2	DETAILS
M2.1	GROUND FLOOR PART PLANS 'A' & 'B' - DEMOLITION - DRAINAGE, PIPING, HEATING & DUCTWORK
M3.1	GROUND FLOOR PART PLANS 'A' - DRAINAGE, PIPING, DUCTWORK & SPRINKLER
M4.2	MECHANICAL SPECIFICATION
ELECTRICAL	
E1.1	KEY PLAN AND LEGEND
E2.1	WASHROOMS/CORRIDOR PARTIAL GROUND FLOOR - DEMOLITION PLANS
E2.2	WASHROOMS/CORRIDOR PARTIAL GROUND FLOOR - RENOVATION PLANS
E2.3	SCIENCE LAB #107 - DEMOLITION AND RENOVATION PLANS
E3.1	ELECTRICAL SPECIFICATIONS 1 OF 2
E3.2	ELECTRICAL SPECIFICATIONS 2 OF 2

WATERLOO REGION DISTRICT SCHOOL BOARD

PRESTON HIGH PS - RAMP AND WASHROOM RENOVATIONS

550 Rose St. Cambridge, ON N3H 2E6

WalterFedy Project No.: 2023-0705-11
 ISSUED FOR BID & PERMIT 2024-03-13

EMERGENCY LIGHTING SHALL BE PROVIDED FOR MIN ½ HR TO AN AVERAGE LEVEL OF AT LEAST 10lx IN AREAS REQUIRED BY 3.2.7.3. (1)

ANY RENOVATIONS TO THE EXISTING SPRINKLER SYSTEM WILL REQUIRE A "RENOVATION SPRINKLER SYSTEM VERIFICATION CERTIFICATE" COMPLETED AND RETURNED TO FIELD INSPECTOR

PLEASE CALL THE INSPECTOR BEFORE COMMENCEMENT OF CONSTRUCTION

NEITHER THE GRANTING OF A PERMIT NOR REVIEWING OF SPECS & DRAWINGS NOR INSPECTIONS MADE DURING INSTALLATION BY THE OFFICIAL HAVING JURISDICTION SHALL RELIEVE THE OWNER FROM REQUIREMENTS OF THE ONTARIO BUILDING CODE AND ANY OTHER REFERENCED REQUIREMENTS

THE ARCHITECT OR PROFESSIONAL ENGINEER OR BOTH SHALL BE RESPONSIBLE FOR THE FIELD REVIEW OF THIS BUILDING DURING THE COURSE OF CONSTRUCTION TO ENSURE CONFORMANCE TO THE DESIGN

**CITY OF CAMBRIDGE
BUILDING DIVISION**

THESE PLANS HAVE BEEN EXAMINED FOR COMPLIANCE WITH THE ONTARIO BUILDING CODE REQUIREMENTS. A BUILDING PERMIT IS IN ORDER TO ISSUE SUBJECT TO ANY CHANGES NOTED UNDER THE CONDITION THAT THE BUILDING WILL BE CONSTRUCTED IN ACCORDANCE WITH THE CODE

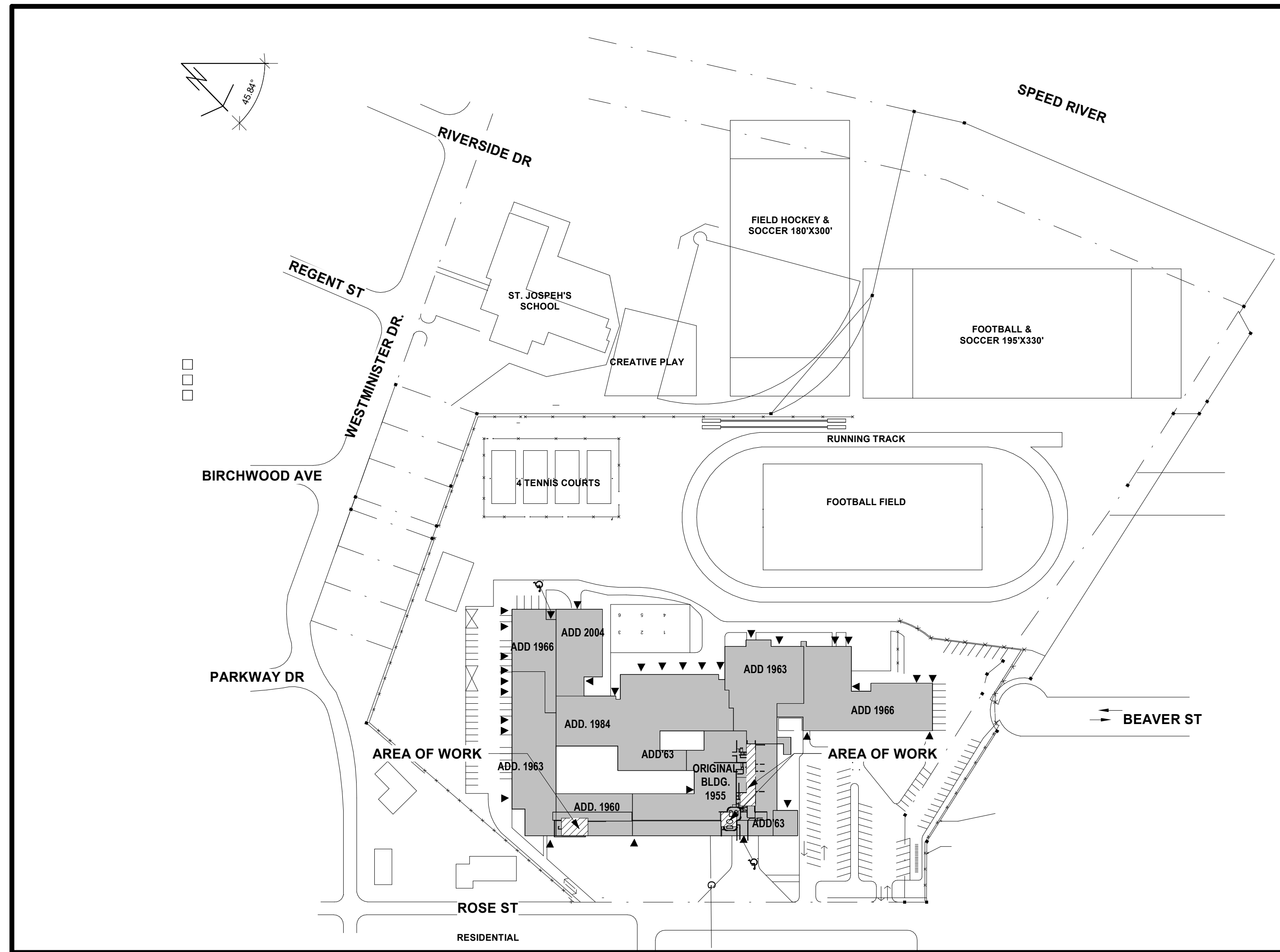
AM 2024-05-15

ASBESTOS REMOVAL AND REPAIR MUST BE PERFORMED IN ACCORDANCE WITH O. REG. 278/05 AND OCCUPATIONAL HEALTH AND SAFETY ACT. ASBESTOS WASTE MUST BE DISPOSED IN ACCORDANCE WITH ONTARIO REGULATION 347 AND THE ENVIRONMENTAL PROTECTION ACT.

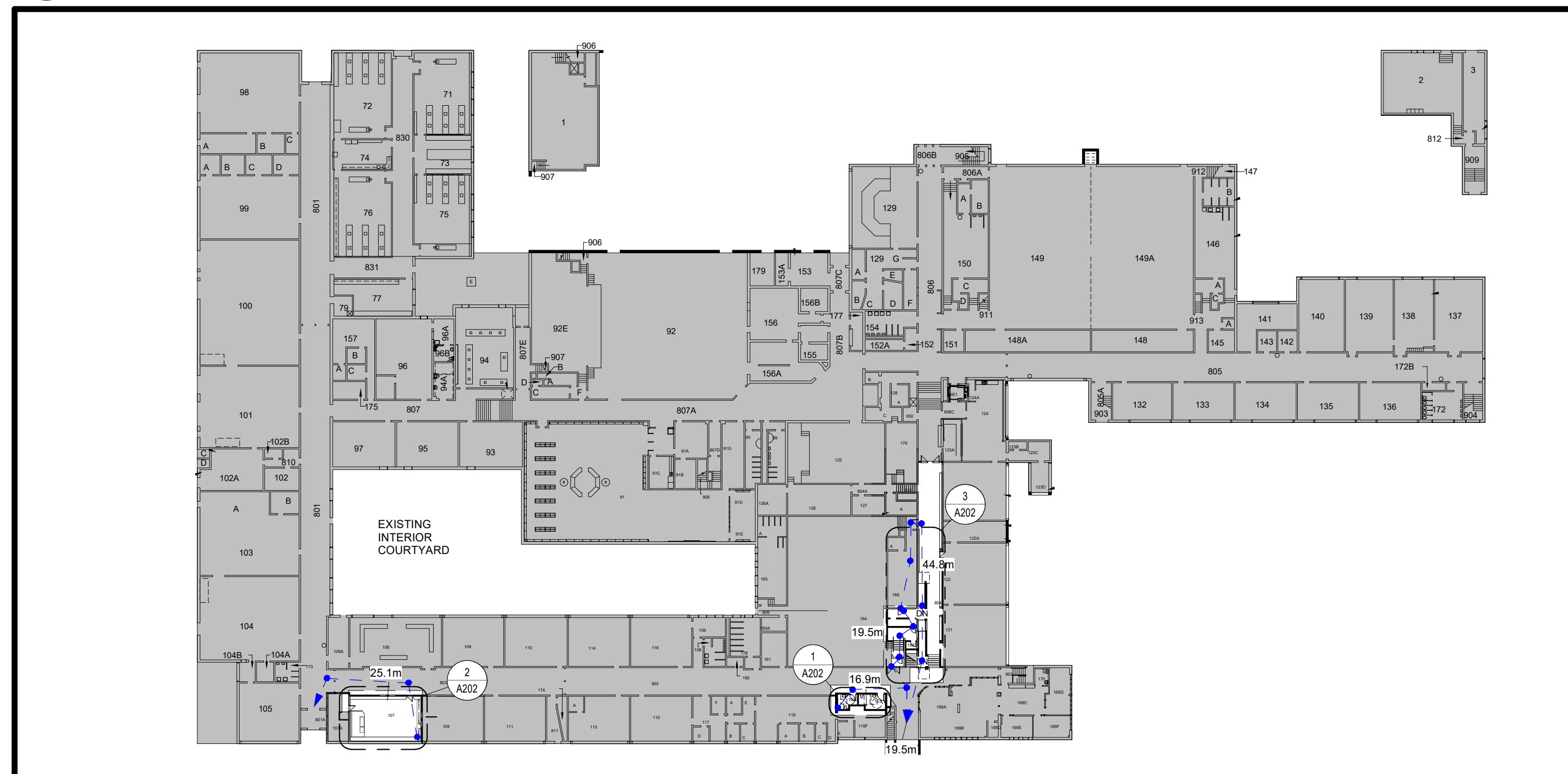
Ontario's 2012 Building Code		OBC Reference
Data Matrix Part 11		
11.1 Existing Building Classification	Describe Existing Use: GROUP A2 (SECONDARY SCHOOL) Construction Index: - Hazard Index: - ■ Not Applicable (no change of major occupancy)	11.2.1, T11.2.1.1A T11.2.1.1B-N
11.2 Alteration to Existing Building is	Basic Renovation <input checked="" type="checkbox"/> Extensive Renovation <input type="checkbox"/>	
11.3 Reduction in Performance Level	Structural <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes By Increase in Occupant Load <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes By Change of Major Occupancy <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Plumbing <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Sewage-System <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	11.4.2, 11.4.2.1-5
11.4 Compensating Construction	Structural <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) - Increase in Occupant Load <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) - Change of Major Occupancy <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) - Plumbing <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) - Renovation to existing single use washroom into accessible washroom - fixture count to remain unchanged Sewage System <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (explain) - Renovation to existing single use washroom into accessible washroom - fixture count to remain unchanged	11.4.3, 11.4.3.2, 11.4.3.3, 11.4.3.4, 11.4.3.5, 11.4.3.6
11.5 Compliance Alternatives Proposed	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (give number(s))	11.5.1.
11.6 Alternative Measures Proposed	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (give number(s))	11.5.2.

OBC NOTES:

- MAJOR OCCUPANCY: GROUP A2 TO REMAIN (SECONDARY SCHOOL)
- EXISTING BUILDING AREA: **12,098.64 m² (130,228.67 SF)**
- GROSS BUILDING AREA: **17,190.6 m² (185,038 SF) EXISTING**
- AREA OF RENOVATION: **220.8 m² (2377 SF)**
- EXISTING BUILDING: SPRINKLERED
- FIRE ALARM - EXISTING TO REMAIN
- IN AN ELEMENTARY OR SECONDARY SCHOOL, A HAZARDOUS CLASSROOM SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING BY A FIRE-SEPARATION HAVING A FIRE-RESISTANCE RATINGS NOT LESS THAN, 30 MIN WHERE THE BUILDING IS SPRINKLERED. AS CLASSROOM 107 IS AN EXISTING SCIENCE LAB, SHOULD ANY FIRE RATINGS BE DISTURBED ALONG THE CLASSROOM, THEY SHALL BE REPAIRED AND MAINTAINED TO HAVE A 30 MIN. FIRE RESISTANCE RATING. 3.3.2.2(4)(B).
- FIRE RESISTANCE RATING FOR THE CORRIDOR IS NOT REQUIRED AS THE CORRIDOR IS SPRINKLERED. 3.3.2.5(3) AND FIRE SEPARATION IS WAIVED AS THE EXIT TRAVEL DISTANCE DOES NOT EXCEED 45M AS PER 3.3.2.5(4).

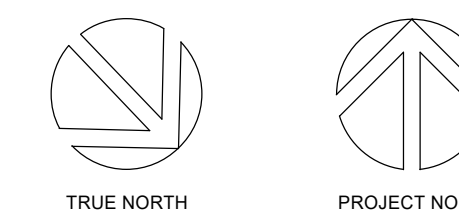
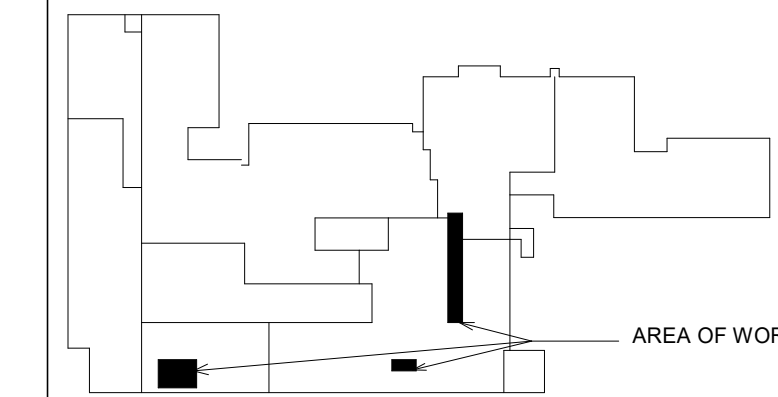


1 OVERALL SITE PLAN - FOR REFERENCE ONLY
A101 Scale: 1 : 1500



2 OVERALL FLOOR PLAN
A101 Scale: 1 : 600

CLIENT LOGO



No.	ISSUANCE	DATE
1	ISSUED FOR BID & PERMIT	2024-03-13

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

51 ARDELT AVE, KITCHENER, ON N2C 2R5

PROJECT

PRESTON HIGH PS - RAMP AND WASHROOM RENOVATIONS

550 Rose St. Cambridge, ON N3H 2E6

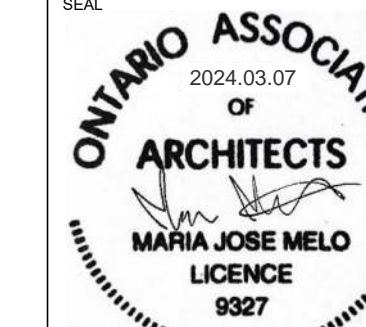
TITLE

OVERALL SITE PLAN AND OBC MATRIX

WALTERFEDY

KITCHENER | HAMILTON | TORONTO
800.685.1378 walterfedy.com

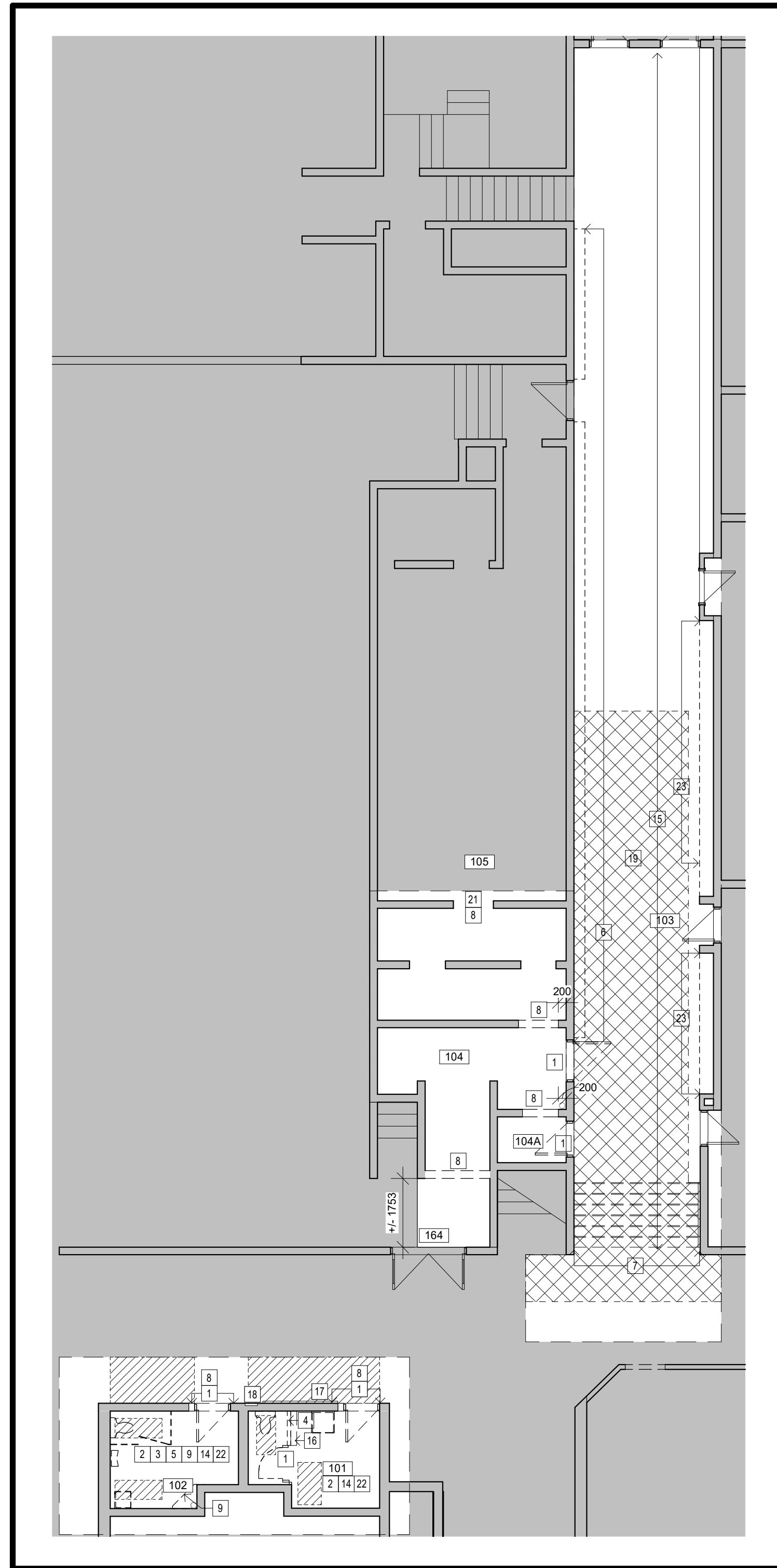
SEAL



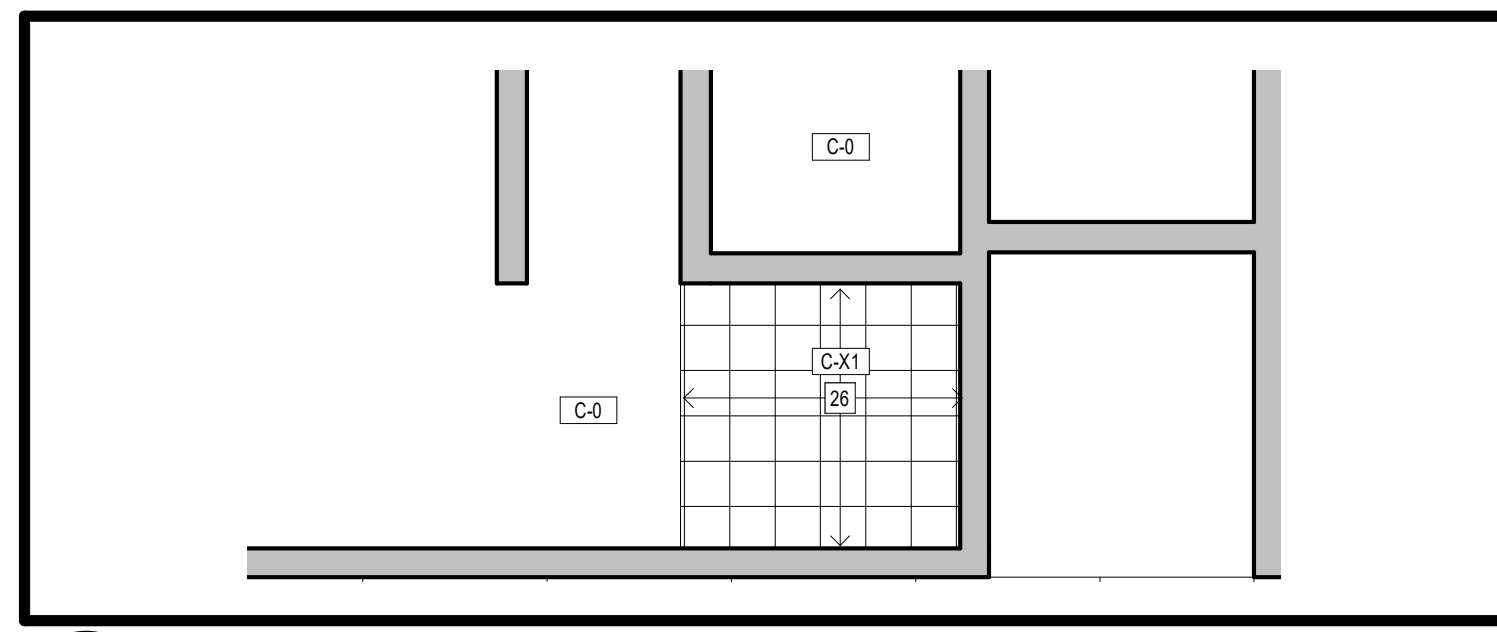
REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY IS FORBIDDEN. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS TO WALTERFEDY. DO NOT SCALE THIS DRAWING.

COPYRIGHT © 2024 WalterFedy Inc.

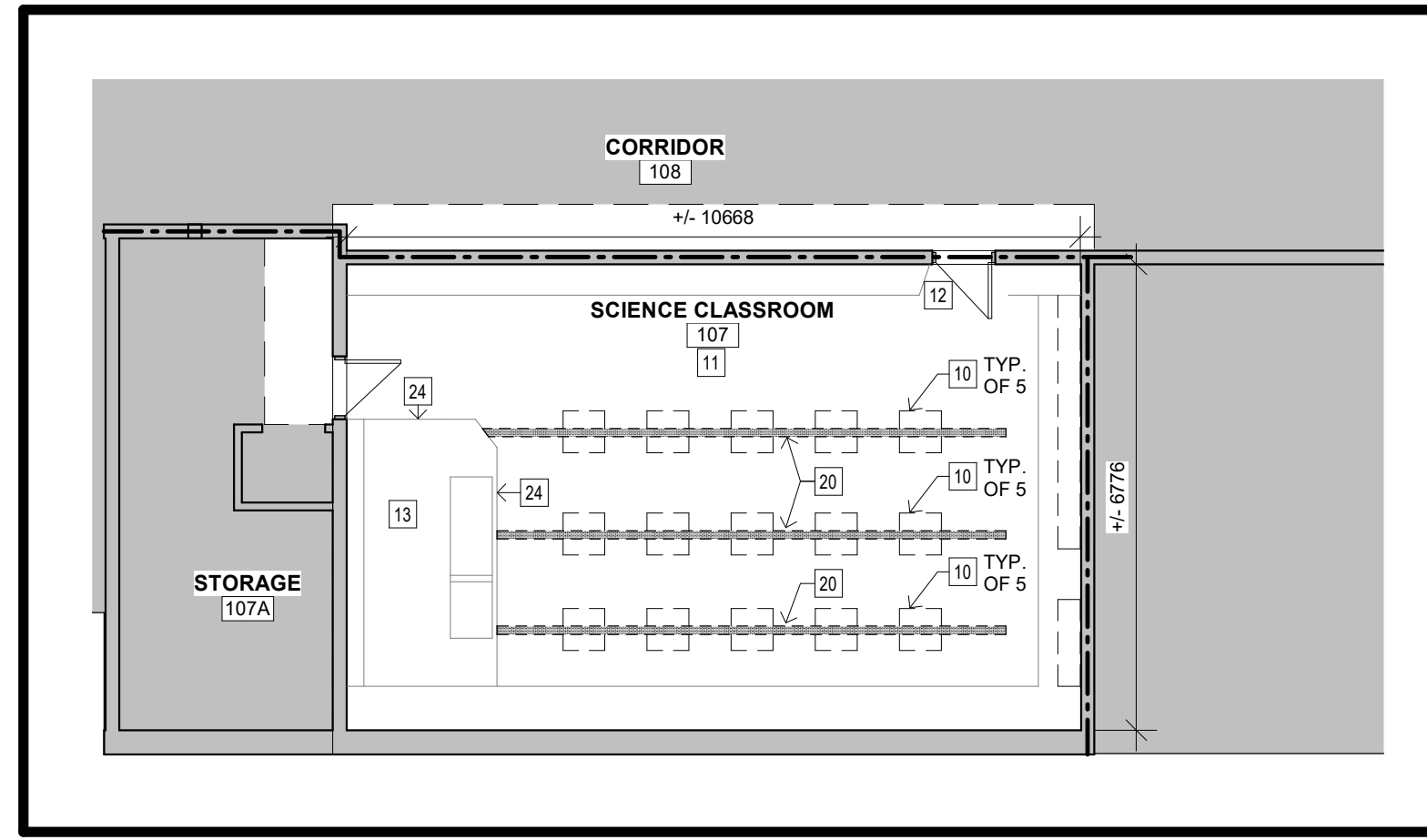
SCALE:	As indicated	SHEET NO:	A101
DATE:	2024-03-06		
WROSB PROJECT NO:	23-7377-RFT		
PROJECT NO:	2023-0705-11		
DRAWN BY:	SY/AD		
CHECKED BY:	MM		



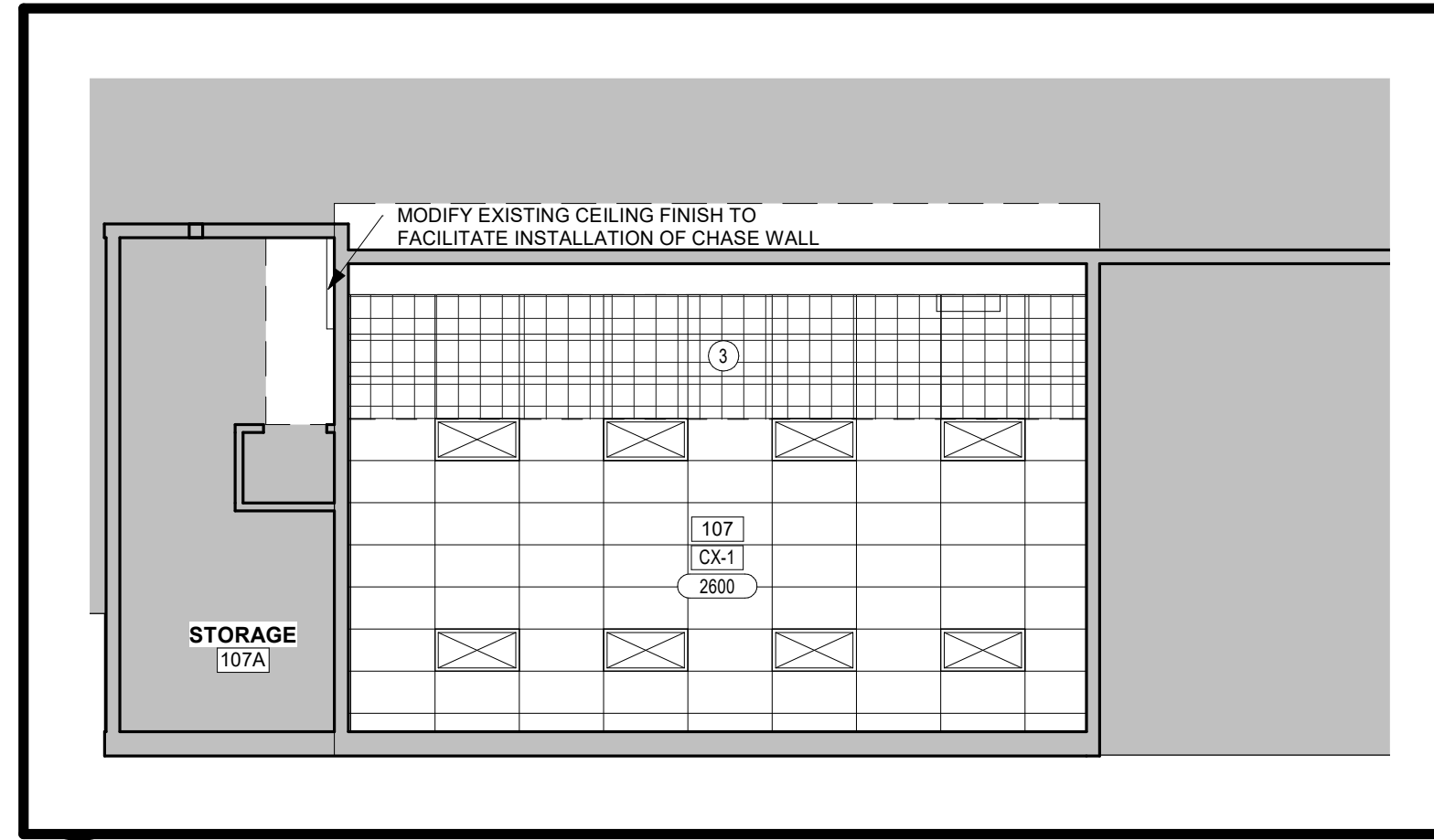
3 PARTIAL DEMO GROUND FLOOR PLAN
A201 Scale: 1 : 100



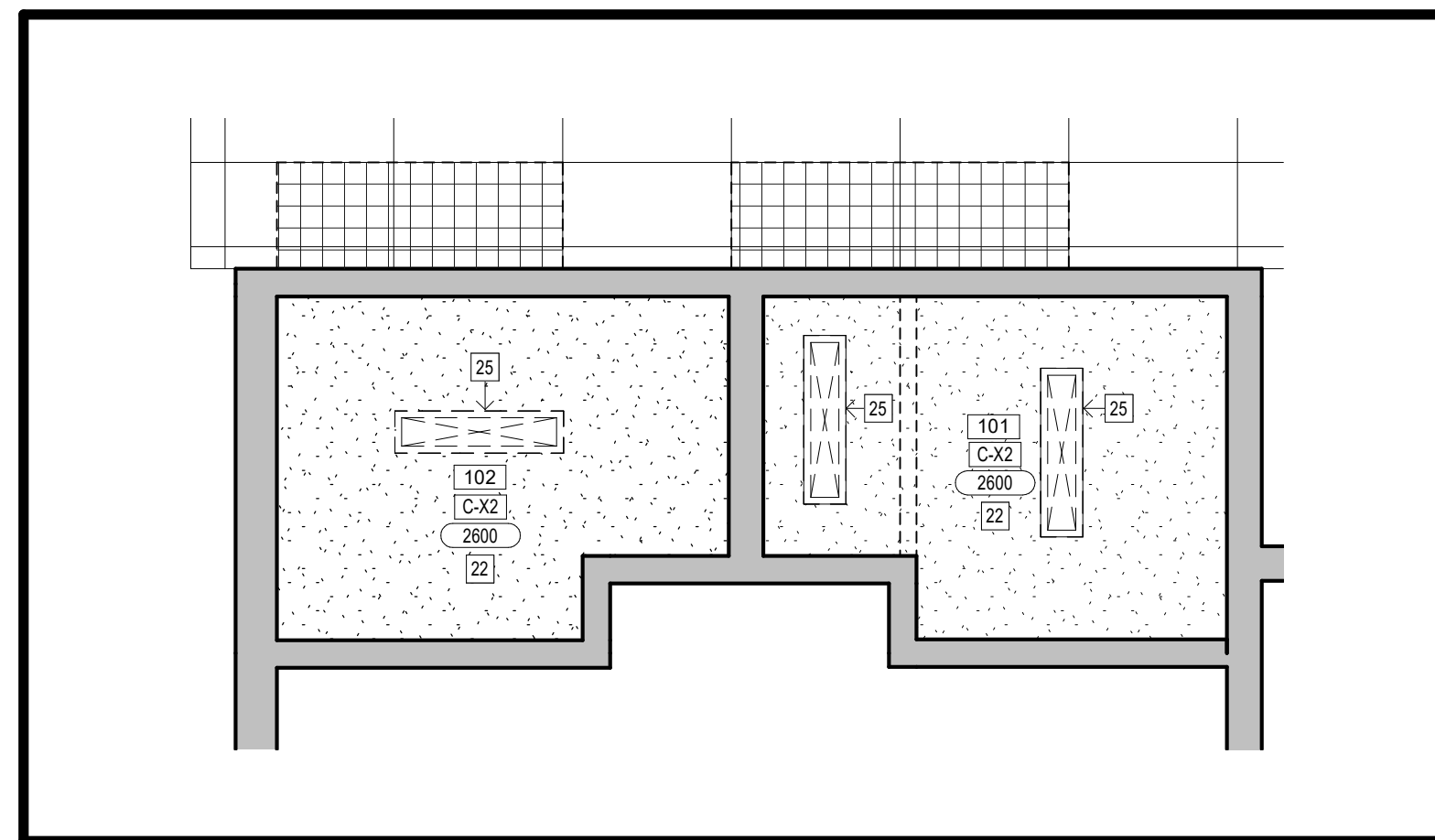
5 PARTIAL DEMO REFLECTED CEILING PLAN - STORAGE & GYM
A201 Scale: 1 : 50



1 PARTIAL DEMO GROUND FLOOR PLAN - SCIENCE LAB
A201 Scale: 1 : 100



2 PARTIAL DEMO REFLECTED CEILING PLAN - SCIENCE LAB
A201 Scale: 1 : 100



4 PARTIAL DEMO REFLECTED CEILING PLAN - WASHROOMS
A201 Scale: 1 : 50

CEILING NOTES

- INSTALL ACOUSTIC CEILING TILES C/W WITH T-BAR AND SURFACE MOUNTED LIGHTS (APPROX. 1200 SF) FROM TOP OF LANDING TO NEXT SET OF DOUBLE DOORS IN CORRIDOR AREA
- MAINTAIN 1980mm MINIMUM HEADROOM ABOVE FLOOR LEVEL ALONG THE RAMP WHOLE RAMP AND NEW STAIR
- REMOVE AND DISPOSE OF EXISTING ACOUSTIC CEILING TILES. CAREFULLY REMOVE SECTIONS OF EXISTING T-BAR SUSPENSION SYSTEM AS REQUIRED FOR ELECTRICAL SCOPE OF WORK. RE-INSTALL EXISTING T-BAR SUSPENSION SYSTEM AND RENOVATE AS REQUIRED UPON COMPLETION OF WORK ABOVE CEILING. REPLACE ALL CEILING TILES WITH NEW. PROTECT ANY MECHANICAL / ELECTRICAL DEVICES TO REMAIN.
- GENERAL CONTRACTOR TO NOTIFY CONSULTANT AT COMMENCEMENT OF CONSTRUCTION REGARDING THE FEASIBILITY OF RAISING THE SUSPENDED ACOUSTIC CEILING TILE ASSEMBLY COMPLETE, BEYOND WHAT IS SPECIFIED IN THE DRAWINGS.

CEILING ASSEMBLIES

- C-0 EXISTING EXPOSED CEILING
- C-X1 ACOUSTIC CEILING TILE ASSEMBLY WITH EXISTING METAL T-BAR SUSPENSION SYSTEM. REMOVE AS REQUIRED FOR MECH. / ELEC. / STRUC. SCOPE AND RE-INSTALL UPON COMPLETION WITH NEW ACOUSTIC CEILING TILES
- C-X2 EXISTING GYPSUM CEILING TO BE LEFT UNDISTURBED UNLESS OTHERWISE NOTED
- C-1 610 x 1220 ACOUSTIC CEILING TILE WITH PREFINISHED METAL T-BAR SUSPENSION SYSTEM
- C-2 16mm GYPSUM WALL BOARD
22mm METAL FURRING CHANNELS @ 400mm O.C.
64mm CARRYING CHANNELS @ 600mm O.C.

CEILING LEGEND

- DENOTES AREAS NOT IN SCOPE
- C-1 CEILING ASSEMBLY
- XXXX CEILING HEIGHT ABOVE FINISHED FLOOR
- ⊗ RECESSED LED LIGHT FIXTURE, REFER TO ELEC. DRAWINGS FOR TYPE AND SIZE
- ⊠ MECHANICAL SUPPLY AIR DIFFUSER, REFER TO MECHANICAL DRAWINGS FOR TYPE AND SIZE
- ⊞ RETURN AIR GRILLE, REFER TO MECHANICAL DRAWINGS FOR TYPE AND SIZE
- 1 HR. FIRE RESISTANCE RATING
- ▨ HATCHED AREA DENOTES APPROX. AREA OF CEILING REMOVAL AND RENOV.

ROOM LEGEND

- 101 WASHROOM 1
- 102 WASHROOM 2
- 103 CORRIDOR
- 104 MAIN OFFICE STORAGE
- 104A STORAGE ROOM
- 105 BOYS' CHANGE ROOM
- 107 SCIENCE CLASSROOM
- 107A STORAGE
- 108 CORRIDOR
- 164 GYMNASIUM

GENERAL DEMOLITION NOTES

- DRAWING TO BE READ IN CONJUNCTION W/ ALL OTHER CONTRACT DOCUMENTS INCLUDING ABATEMENT SPECIFICATION. COORDINATE W/ OTHER TRADES PRIOR TO COMMENCING WORK.
- CARRY OUT ALL DEMOLITION, REMOVAL AND DISPOSAL IN ACCORDANCE WITH APPLICABLE PROVINCIAL AND LOCAL REGULATIONS.
- EXECUTE DEMOLITION IN AN ORDERLY AND CAREFUL MANNER WITH DUE CONSIDERATION FOR ADJACENT STRUCTURES AND FINISHES.
- 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.
- ALL DEMOLITION DEBRIS TO BE REMOVED AND DISPOSED OF PER PROVINCIAL AND LOCAL REGULATIONS.
- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND/OR DEMOLITION NOTES FOR DETAILS OF MECHANICAL AND ELECTRICAL DEMOLITIONS.
- CONTRACTOR SHALL BE ENTIRELY RESPONSIBLE FOR, AND MAKE GOOD ALL DAMAGE TO ADJACENT FINISHED SURFACES AND ASSEMBLIES.
- CONTRACTOR TO ENSURE ALL EXIT SIGNAGE TO REMAIN AS INSTALLED AND ENSURE FIXTURES ARE OPERATIONAL. CONTRACTOR TO PROVIDE RE-SUPPORT AS REQUIRED TO SUIT PHASING.
- CONTRACTOR TO ENSURE ALL EMERGENCY LIGHT FIXTURES TO REMAIN ALONG EGRESS ROUTES.
- PATCH AND MAKE GOOD ANY DAMAGED FIRE ASSEMBLIES WITH CONTINUOUS FIRESTOPPING/FIRELOCKING EQUAL TO THAT OF WALL/FLOOR.
- CONTRACTOR TO ENSURE ALL MANUAL PULL STATIONS AND FIRE ALARM BELLS REMAIN OPERATIONAL. IF A DEVICE MUST BE REMOVED, THE DEVICE MUST BE PROPERLY DE-PROGRAMMED BY LICENSED FIRE ALARM TECHNICIAN AND RE-ACTIVATED AT END OF WORKING DAY. FIRE WATCH MUST BE PROVIDED BY DEMOLITION/ABATEMENT TRADE WITHOUT ADDITIONAL COST TO OWNER OR CONSULTANT.
- CONTRACTOR TO PROVIDE DUST CONTROL AND HOARDING IN ISOLATED DEMOLITION, TYP. FOR EACH LOCATION.
- CONTRACTOR SHALL PATCH AND MAKE GOOD ALL FLOORS WHERE DISTURBED BY REMOVAL OF WALL ASSEMBLY AND/OR EXISTING FINISHES.
- IF AN ITEM IS NOT NOTED TO BE REINSTALLED OR TURNED OVER TO THE OWNER, IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO DISPOSE OF ITEMS.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW ALL DESIGNATED SUBSTANCES DOCUMENTATION PRIOR TO COMMENCING WORK.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REMOVE ALL LOOSE FURNITURE AND WALL MOUNTED DISPLAYS PRIOR TO CONSTRUCTION START.
- ANY MECHANICAL OR ELECTRICAL DEVICES THAT MAY BE TEMPORARILY REMOVED AND REINSTALLED FOR THIS WORK SHALL BE TESTED.
- LOCATE AND DISCONNECT, CAP AND PLUG ALL GAS, WATER, SEWER, HYDRO, TELEPHONE AND OTHER SERVICES AS REQUIRED.
- PREPARE ALL THE SURFACES TO BE ACCEPTABLE FOR PROPOSED FINISHING AFTER DEMOLITION WORKS
- OBTAIN SCHOOL APPROVAL OF DEMOLITION SCHEDULE AND LOCATION OF BINS.

DEMOLITION NOTES

- REMOVE EXISTING DOOR C/W FRAME AND ALL HARDWARE. PATCH AND MAKE GOOD ALL ADJACENT SURFACES TO REMAIN.
- REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURES. DISCONNECT AND CAP ALL SERVICES AS REQ'D. REFER TO MECH. DWGS FOR SCOPE OF WORK.
- REMOVE AND DISPOSE OF EXISTING WASHROOM PARTITIONS C/W DOORS, MISC. STRAPS, ANCHORS, AND FASTENERS.
- REMOVE AND DISPOSE OF EXISTING CONC. BLOCK WALL FULL HEIGHT C/W TERRAZZO BASE. PATCH AND MAKE GOOD ALL ADJACENT SURFACES TO REMAIN.
- EXISTING MILLWORK TO BE REMOVED AND RETURNED TO OWNER C/W MISC. ANCHORS / BLOCKING USED TO SECURE ITEMS AS REQ'D FOR AREA OF RENOVATION. PATCH AND MAKE GOOD ALL SURFACES TO REMAIN TO ACCEPT PROPOSED FINISHES.
- REMOVE MILLWORK DISPLAY CASE IN ITS ENTIRETY C/W FASTENERS AND ANCHORS. PLAQUES TO BE CAREFULLY STORED ON SITE AND RE-INSTALLED WITHIN NEW MILLWORK DISPLAY CASE.
- CAREFULLY REMOVE EXISTING TERRAZZO STAIRS, COMPLETE. PATCH AND REPAIR ADJACENT TERRAZZO SURFACES TO REMAIN.
- SAWCUT AND REMOVE PORTION OF EXISTING MASONRY WALL ASSEMBLY TO ACCEPT PROPOSED DOOR AND FRAME.
- EXISTING PLUMBING PIPE AND CLEAN OUT TO REMAIN EXPOSED
- REMOVE AND DISPOSE OF EXISTING STUDENT BENCH DESK, COMPLETE. REFER TO ELECTRICAL FOR RECEPTACLES REMOVAL.
- REMOVE EXISTING VCT TILE C/W ADHESIVES. REPAIR MILLWORK AREAS TO MATCH EXISTING AS REQUIRED UPON REMOVAL OF THE FLOOR TILES.
- PATCH AND MAKE GOOD TO ALL SURFACES INCLUDING MILLWORK WALL PANELING AS REQUIRED BY ELECTRICAL SCOPE OF WORK, REFER TO ELECTRICAL.
- FLOORING BASE AND MILLWORK TO REMAIN UNDISTURBED AT RAISED PODIUM.
- EXISTING SECTIONS OF TERRAZZO FLOORING, REQUIRED FOR TRENCHING (REFER TO HATCH SHOWING APPROXIMATE AREAS). PREPARE SURFACE IN ITS ENTIRETY TO RECEIVE PROPOSED FLOORING FINISH.
- REMOVE ACOUSTIC CEILING TILE C/W T-BAR AND RAISE 8" TO ACCOMMODATE REQUIRED HEAD HEIGHT FOR RAMP (MINIMUM HEADROOM REQUIRED BY OBC IS 1980mm).
- REMOVE EXISTING SHELVING AROUND PIPE.
- REMOVE AND DISPOSE OF TACKBOARDS C/W FASTENERS AND PATCH AND MAKE GOOD TO ADJACENT SURFACES.
- EXISTING ELECTRICAL PANEL TO REMAIN.
- REMOVE EXISTING TERRAZZO FLOORING TO ACCOMMODATE THE NEW RAMP. PATCH AND REPAIR EXISTING TERRAZZO FLOOR FINISH AND BASE TO MATCH EXISTING.
- REMOVE EXISTING GAS PIPING C/W FLOOR TRENCH LIDS, CAP SERVICES AT TEACHERS DESK, REFER TO MECHANICAL.
- REMOVE AND DISPOSE OF EXISTING WALL TILE C/W TERRAZZO BASE TO ACCOMMODATE NEW DOOR AND FRAME. PATCH AND MAKE GOOD ALL ADJACENT SURFACES TO REMAIN.
- REMOVE AND DISPOSE OF EXISTING GYPSUM CEILING AND METAL SUPPORT FRAMING IN ITS ENTIRETY. PATCH AND MAKE GOOD ALL ADJACENT SURFACES TO REMAIN TO ACCEPT NEW CEILING.
- REMOVE AND DISPOSE OF EXISTING LOCKERS. REMOVE TERRAZZO FLOOR FINISH UP TO EXISTING JOINT AT EXISTING TERRAZZO COVE BASE TO REMAIN. PATCH AND MAKE GOOD ALL ADJACENT SURFACES TO REMAIN.
- WOOD COVE BASE TO BE REMOVED TO ACCOMMODATE NEW RUBBER COVE BASE.
- REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR DETAILS.
- REMOVE AND DISPOSE OF EXISTING 300X300 CEILING TILE C/W T-BAR IN ITS ENTIRETY. PATCH AND MAKE GOOD ALL ADJACENT SURFACES TO REMAIN TO ACCEPT NEW CEILING.

TRENCHING LEGEND

- ALL TRENCHING DIMENSIONS ARE APPROXIMATE. GC TO SITE VERIFY TRENCHING REQUIRED TO MINIMIZE DEMOLITION OF FLOOR SLAB TYPICAL.
- HATCHED AREA DENOTES APPROXIMATE EXTENT TO SAWCUT AND REMOVE PORTION OF CONCRETE FLOOR SLAB. EXCAVATE AND TRENCH AS REQUIRED FOR MECHANICAL, ELECTRICAL, STRUCTURAL, AND ARCHITECTURAL SCOPE. APPROXIMATE EXTENT SHOWN HATCHED.
- HATCHED AREA DENOTES CONCRETE INFILL OF TRENCHING (APPROX. 190 mm THICK), FINISH FLUSH WITH ADJACENT EXISTING FLOOR FINISH. PATCH AND MAKE GOOD WITH EXISTING ADJACENT SURFACE AND PREPARE SUBSTRATE TO RECEIVE NEW FLOOR FINISH - REFER TO DETAIL C206/S002 FOR SLAB-ON-GRADE REPAIR DETAIL TYPICAL.
- HATCHED AREA DENOTES APPROXIMATE EXTENT OF REMOVAL OF TERRAZZO FLOORING AND CONCRETE SLAB. REFER TO STRUCTURAL DRAWINGS AND DETAILS FOR DEMOLITION SCOPE. CONTRACTOR TO SITE VERIFY THE EXTENT OF REMOVAL.

CLIENT LOGO

TRUE NORTH PROJECT NORTH

No.	ISSUANCE	DATE
1	ISSUED FOR BID & PERMIT	2024-03-13

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

51 ARDELT AVE, KITCHENER, ON N2C 2R5

PROJECT

PRESTON HIGH PS - RAMP AND WASHROOM RENOVATIONS

550 Rose St. Cambridge, ON N3H 2E6

TITLE

DEMOLITION PLANS

WALTERFEDY

KITCHENER | HAMILTON | TORONTO

800.685.1378 walterfedy.com

SEAL

2024.03.07

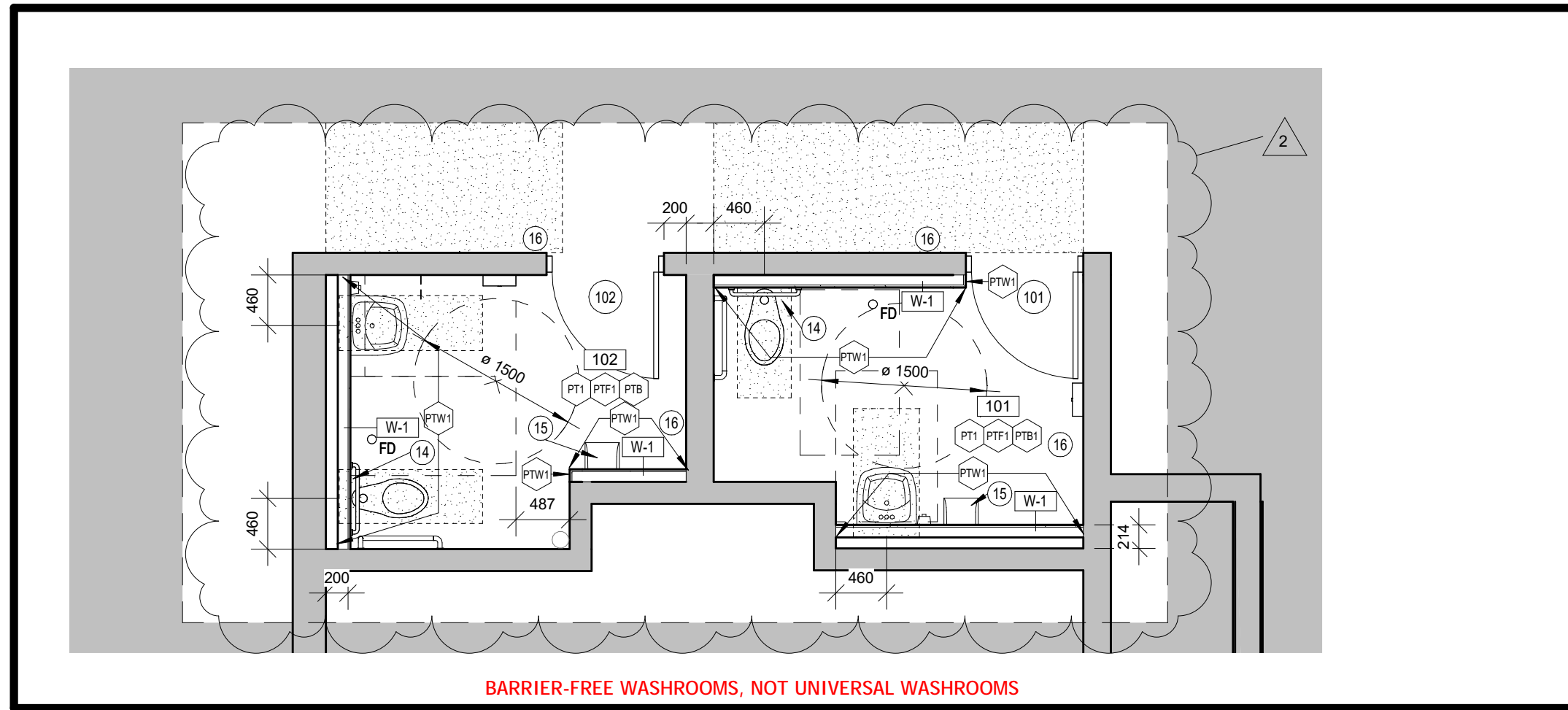
MARIA JOSE MELO LICENCE 9327

REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY 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. DO NOT SCALE THIS DRAWING.

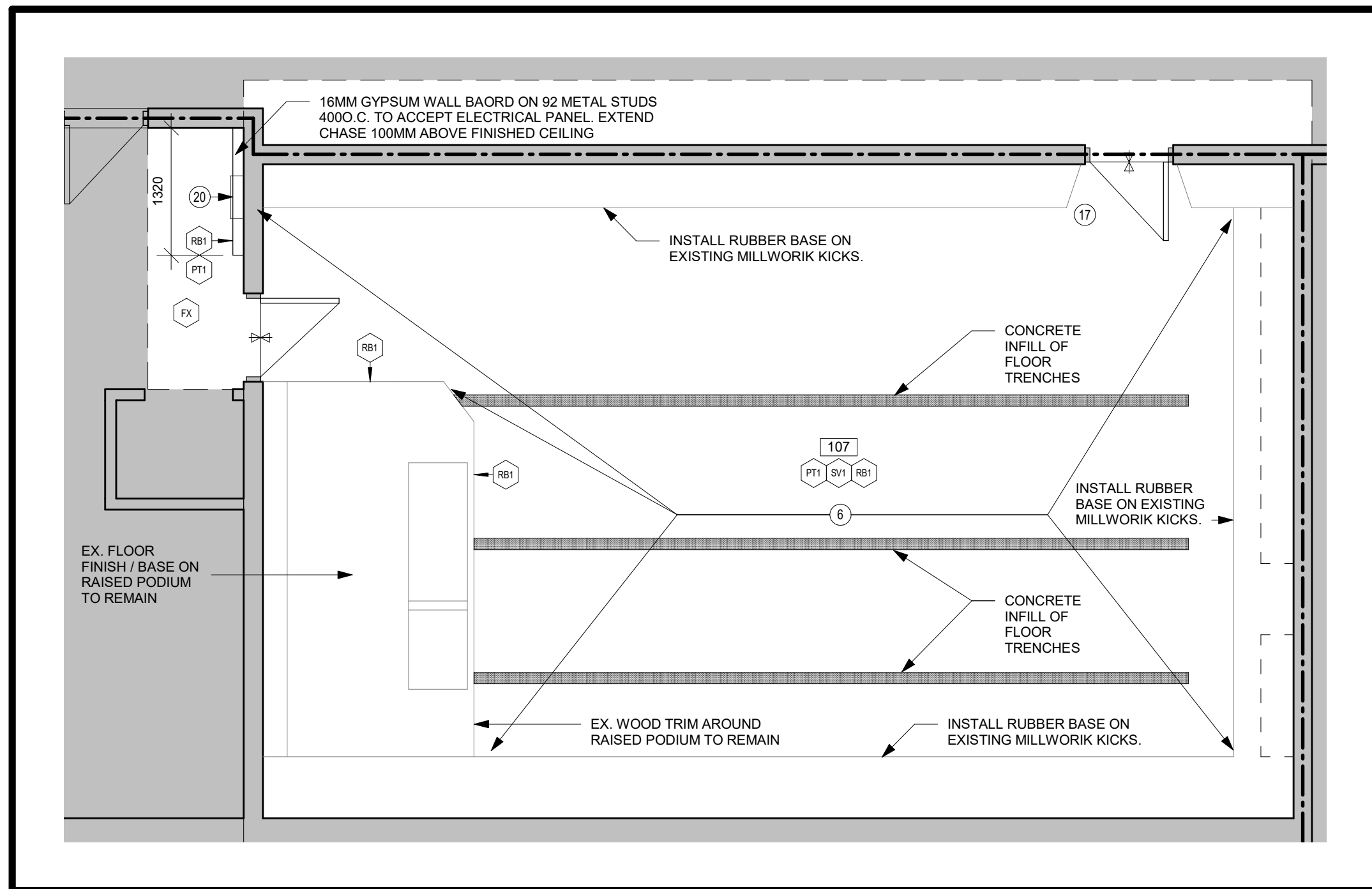
COPYRIGHT © 2024 WalterFedy Inc.

SCALE:	As indicated	SHEET NO.:
DATE:	2024-03-06	
WRO58 PROJECT NO.:	23-7377-RFT	
PROJECT NO.:	2023-0705-11	
DRAWN BY:	SY/AD	
CHECKED BY:	MM	

A201



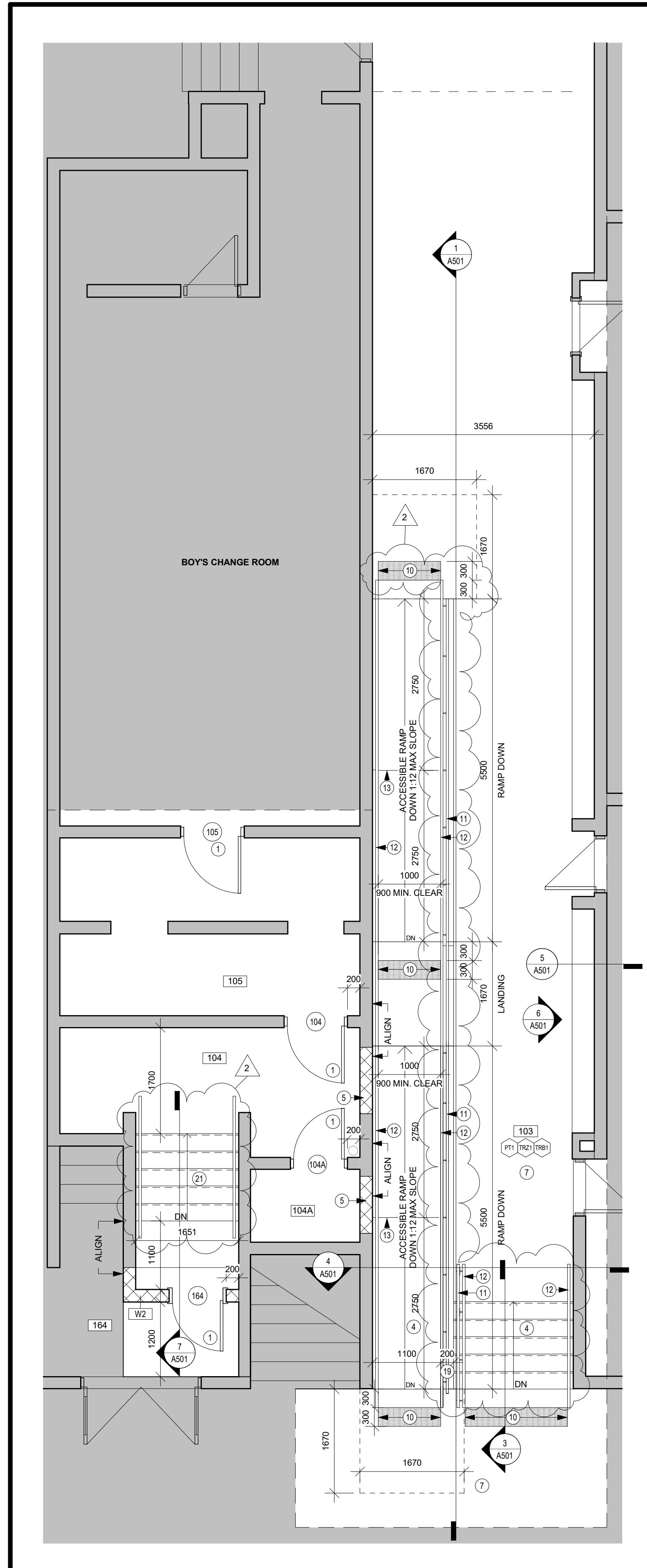
1 PARTIAL GROUND FLOOR AND FINISHES PLAN - WASHROOMS
A202 Scale: 1 : 50



2 PARTIAL GROUND FLOOR AND FINISHES PLAN - SCIENCE LAB
A202 Scale: 1 : 50



3 BARRIER FREE RAMP LAYOUT
A202 Scale: 1 : 50



DRAWING LEGEND

- HATCH DENOTES AREA NOT IN ARCHITECTURAL SCOPE OF WORK - TYP.
- HATCH DENOTES AREA OF DEMOLITION.
- 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 RESISTANCE RATING 0HR
- FIRE RESISTANCE RATING 30 MIN.
- FIRE RESISTANCE RATING 1 HR
- TRAVEL DISTANCE
- DOOR NUMBER
- FLOOR DRAIN, REFER TO MECH.
- CLEAN OUT DRAIN, REFER TO MECH.
- EXISTING DOOR(S) TO BE DEMOLISHED.
- EXISTING DOOR(S) TO REMAIN.
- NEW DOOR.

GENERAL NOTES

- A. ALL WALLS TO EXTEND TO U/S STRUCTURAL DECK UNLESS OTHERWISE NOTED.
- B. ASSEMBLY CONSTRUCTION READ FROM TAG SIDE OF ASSEMBLY.
- C. ALL DIMENSIONS ARE APPROXIMATE, CONTRACTOR TO SITE VERIFY ALL DIMENSIONS.
- D. DIMENSIONING TO/FROM EXISTING CONDITIONS SHALL BE AT FACE OF EXISTING ASSEMBLY.
- E. PROVIDE BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED EQUIPMENT.
- F. REFER TO ELECTRICAL DRAWINGS FOR ALL CEILING MOUNTED EQUIPMENT SIZE AND TYPE.
- G. SEE MECHANICAL DRAWINGS FOR HVAC EQUIPMENT SIZE AND TYPE.
- H. CONTRACTOR TO PROTECT ALL EXISTING INTERIOR FINISHES, MECHANICAL, ELECTRICAL, MILLWORK AND FURNITURE TO REMAIN DURING ALL PHASES OF CONSTRUCTION.
- I. FIRESTOP AND SEAL ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES EQUAL TO ASSEMBLY RATING.
- J. MAKE GOOD ALL CEILING TILE/WALLS/SURFACES AFTER CONSTRUCTION, FIX AND PAINT WALLS DAMAGED BY CONSTRUCTION AND/OR REPLACE CEILING IF DAMAGED BY CONSTRUCTION AT NO EXPENSE TO THE SCHOOL BOARD.
- K. REMOVE AND REINSTALL CEILINGS REQ'D TO BE DISTURBED DURING DEMOLITION AND CONSTRUCTION WHERE NEEDED. ADJUST CEILINGS ACCORDINGLY WHERE REQUIRED.
- L. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REFER TO ASBESTOS AUDIT PRIOR TO DEMOLITION WORKS.
- M. 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 INSPECTION AT THE MANDATORY SITE VISIT AND OTHER TIMES PRIOR TO BID. SCHEDULE ADDITIONAL VISITS IN WRITINGS 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, MODIFICATION TO EXISTING SYSTEMS, OR SUBSEQUENT REWORK.
- O. PROVIDE FIRESTOPPING AROUND LEVEL 1 FLOOR PENETRATIONS AROUND NEW PLUMBING WHERE THE PIPING PASSES THROUGH THE EXISTING FLOOR TO MATCH EXISTING FIRE RATING.

DRAWING NOTES

- 1 INSTALL HOLLOW METAL DOOR AND FRAME. TO MATCH EXISTING COLOUR.
- 2 INSTALL NEW BARRIER FREE LAVATORY. REFER TO MECHANICAL.
- 3 INSTALL PORCELAIN FLOOR TILE AND BASE.
- 4 NEW CONCRETE RAMP AND STAIRS TO BE FINISHED WITH PORCELAIN TILE. REFER TO STRUCTURAL.
- 5 INFILL EXISTING OPENING WITH CONCRETE BLOCK. PATCH AND PAINT.
- 6 INSTALL SHEET VINYL FLOOR C/W TRANSITION INTO CORRIDOR AND CLOSET 107A.
- 7 PATCH TERRAZO FLOORING BASE TO MATCH EXISTING AS REQUIRED BY FLOOR DEMOLITION.
- 8 RESERVED
- 9 RESERVED
- 10 TACTILE WALKING SURFACE INDICATOR.
- 11 STAINLESS STEEL GUARD, 38mm STAINLESS PIPE TOP AND BOTTOM RAIL, 38mm STAINLESS PIPE POSTS SECURED TO CONCRETE CURB, 12mm DIAMETER STAINLESS PICKETS @100mm o.c. MAX
- 12 38mm STAINLESS PIPE HANDRAIL
- 13 SAWCUT CONTROL JOINT IN CONCRETE RAMP AND CURB.
- 14 INSTALL NEW BARRIER FREE WATER CLOSET, FLUSHING CONTROLS TO BE OPERABLE FROM THE TRANSFER SIDE. REFER TO MECHANICAL.
- 15 HAND DRYER, REFER TO ELECTRICAL. REFER TO TYPICAL DETAILS FOR HEIGHT REQUIREMENTS AND CLEARANCES.
- 16 PDO AND PUSH TO LOCK, REFER TO ELECTRICAL.
- 17 PATCH AND MAKE GOOD TO ALL SURFACES INCLUDING MILLWORK WALL PANELING AS REQUIRED BY ELECTRICAL SCOPE OF WORK, REFER TO ELECTRICAL.
- 18 25 CONCRETE CHAMFER - TYPICAL.
- 19 REFER TO STRUCTURAL FOR CONCRETE FINISHING FOR CURB.
- 20 NEW RECESSED ELECTRICAL PANEL, REFER TO ELECTRICAL.
- 21 GALVANIZED SERVICE STAIR

FINISH LEGEND

- WALL & CEILING**
- P11 PAINT
 - P12 PAINT
 - P13 PORCELAIN WALL TILE
 - P14 PORCELAIN TILE BASE
 - P15 TERRAZZO BASE
 - P16 RUBBER BASE
 - P17 TRANSITION STRIP
- FLOOR:**
- P18 PORCELAIN FLOOR TILE
 - P19 SHEET VINYL
 - P20 TERRAZZO FLOOR TILE
 - P21 EXISTING FLOORING TO REMAIN

WALL ASSEMBLIES

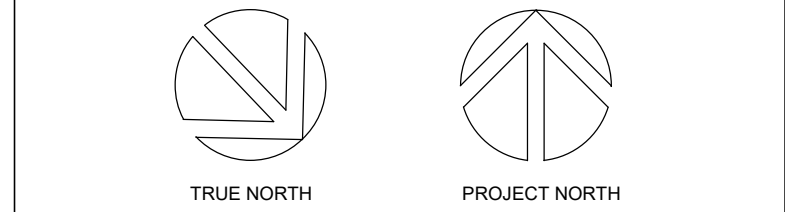
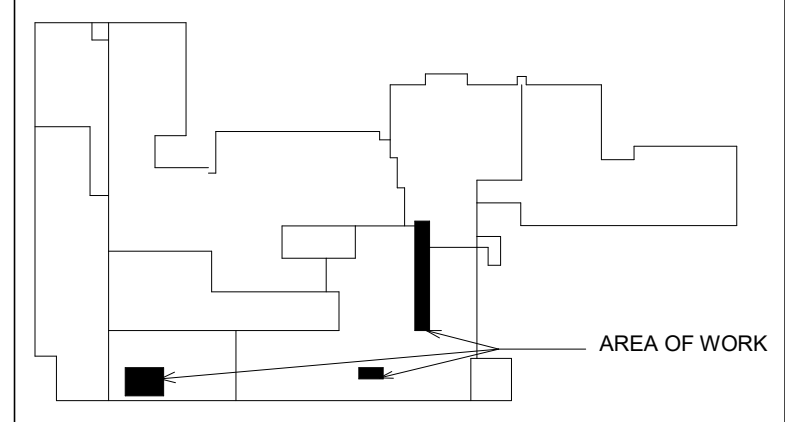
- W-X EXISTING WALL ASSEMBLY TO REMAIN.
- W-1 92mm METAL STUDS @ 400mm O.C
16mm CEMENT BOARD
- W-2 190mm CONCRETE BLOCK

ROOM LEGEND.

- 101 WASHROOM 1
- 102 WASHROOM 2
- 103 CORRIDOR
- 104 MAIN OFFICE STORAGE
- 104A STORAGE ROOM
- 105 BOYS' CHANGE ROOM
- 107 SCIENCE CLASSROOM
- 107A STORAGE
- 108 CORRIDOR
- 164 GYMNASIUM

TRENCHING LEGEND

1. ALL TRENCHING DIMENSIONS ARE APPROXIMATE, GC TO SITE VERIFY TRENCHING REQUIRED TO MINIMIZE DEMOLITION OF FLOOR SLAB TYPICAL.
- HATCHED AREA DENOTES APPROXIMATE EXTENT TO SAWCUT AND REMOVE PORTION OF CONCRETE FLOOR SLAB. EXCAVATE AND TRENCH AS REQUIRED FOR MECHANICAL, ELECTRICAL, STRUCTURAL, AND ARCHITECTURAL SCOPE. APPROXIMATE EXTENT SHOWN HATCHED.
 - HATCHED AREA DENOTES CONCRETE INFILL OF TRENCHING (APPROX. 190 mm THICK), FINISH FLUSH WITH ADJACENT EXISTING FLOOR FINISH. PATCH AND MAKE GOOD WITH FINISHING ADJACENT SURFACE AND PREPARE SUBSTRATE TO RECEIVE NEW FLOOR FINISH - REFER TO DETAIL C206/S002 FOR SLAB-ON-GRADE REPAIR DETAIL TYPICAL.
 - HATCHED AREA DENOTES APPROXIMATE EXTENT OF REMOVAL OF TERRAZZO FLOORING AND CONCRETE SLAB. REFER TO STRUCTURAL DRAWINGS AND DETAILS FOR DEMOLITION SCOPE. CONTRACTOR TO SITE VERIFY THE EXTENT OF REMOVAL.



No.	ISSUANCE	DATE
1	ISSUED FOR BID & PERMIT	2024-03-13
2	RE-ISSUED FOR PERMIT	2024-05-13

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE, KITCHENER, ON N2C 2R5

PROJECT
PRESTON HIGH PS - RAMP AND WASHROOM RENOVATIONS
550 Rose St. Cambridge, ON N3H 2E6

TITLE
ENLARGED FLOOR PLANS, DETAILS

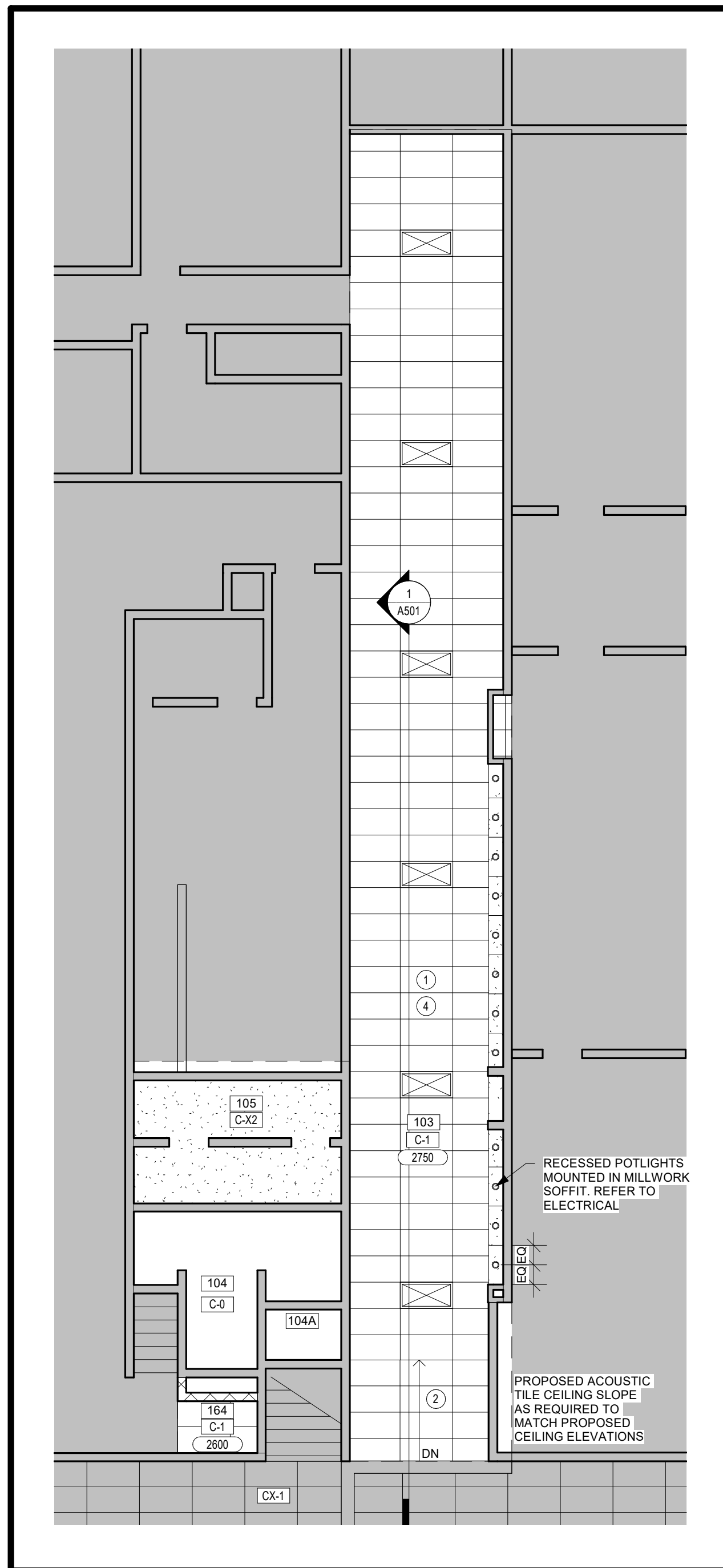
WALTERFEDY
KITCHENER | HAMILTON | TORONTO
800.685.1378 walterfedy.com



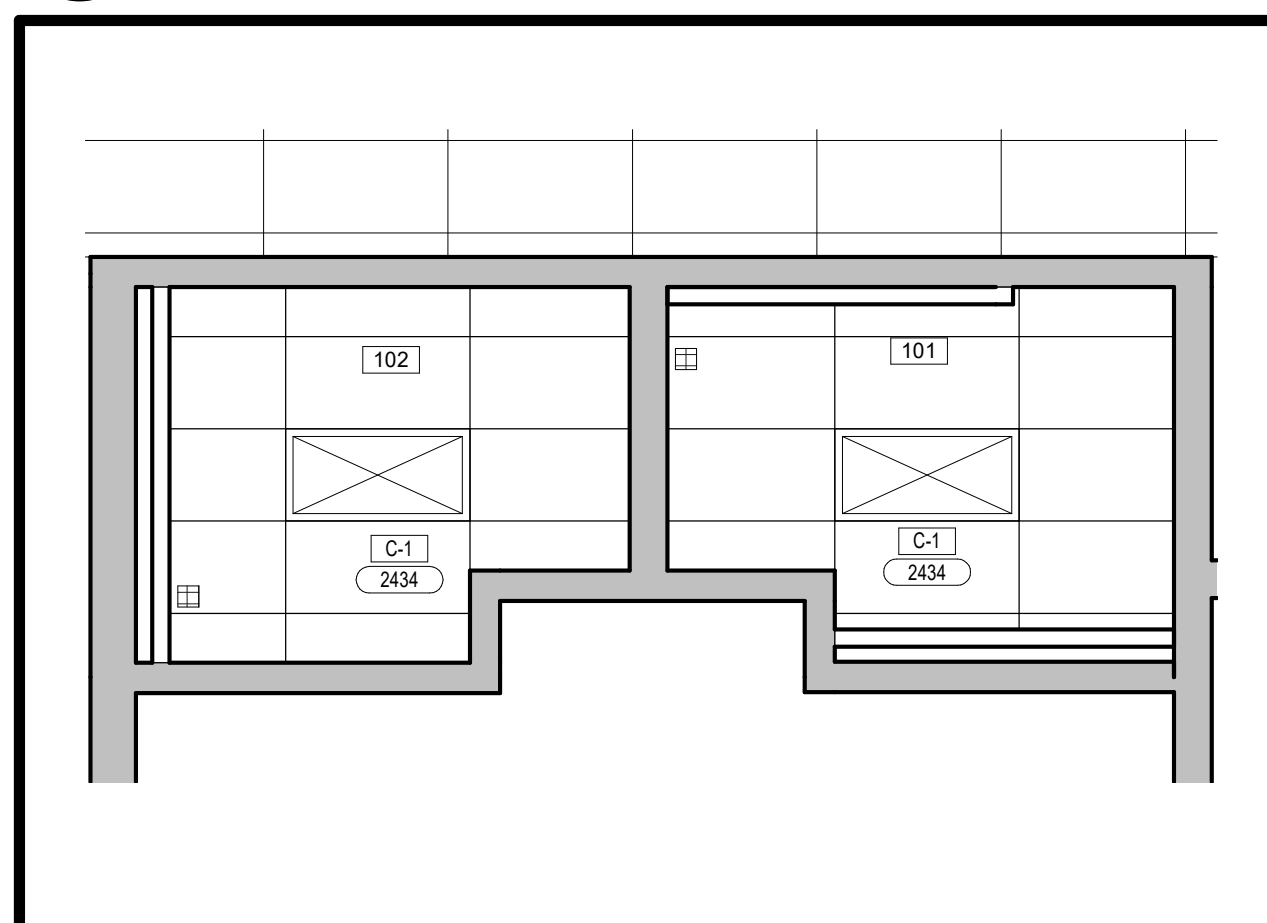
REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY IS FORBIDDEN. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS TO WALTERFEDY. DO NOT SCALE THIS DRAWING.

COPYRIGHT © 2024 WalterFedy Inc.

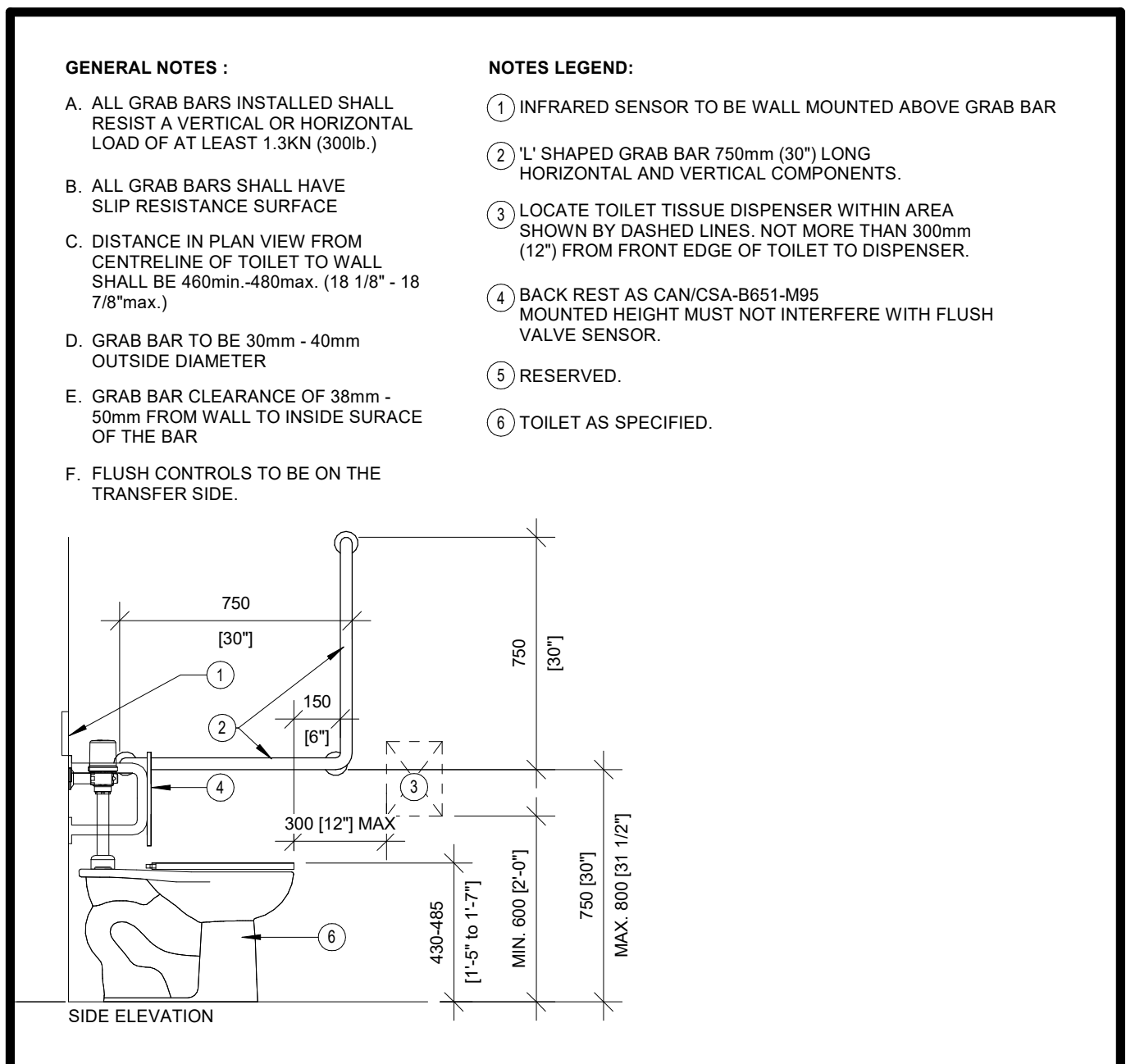
SCALE:	As indicated	SHEET NO.:
DATE:	2024-03-06	
WROSB PROJECT NO.:	23-7377-RFT	
PROJECT NO.:	2023-0705-11	
DRAWN BY:	SY/AD	
CHECKED BY:	MM	



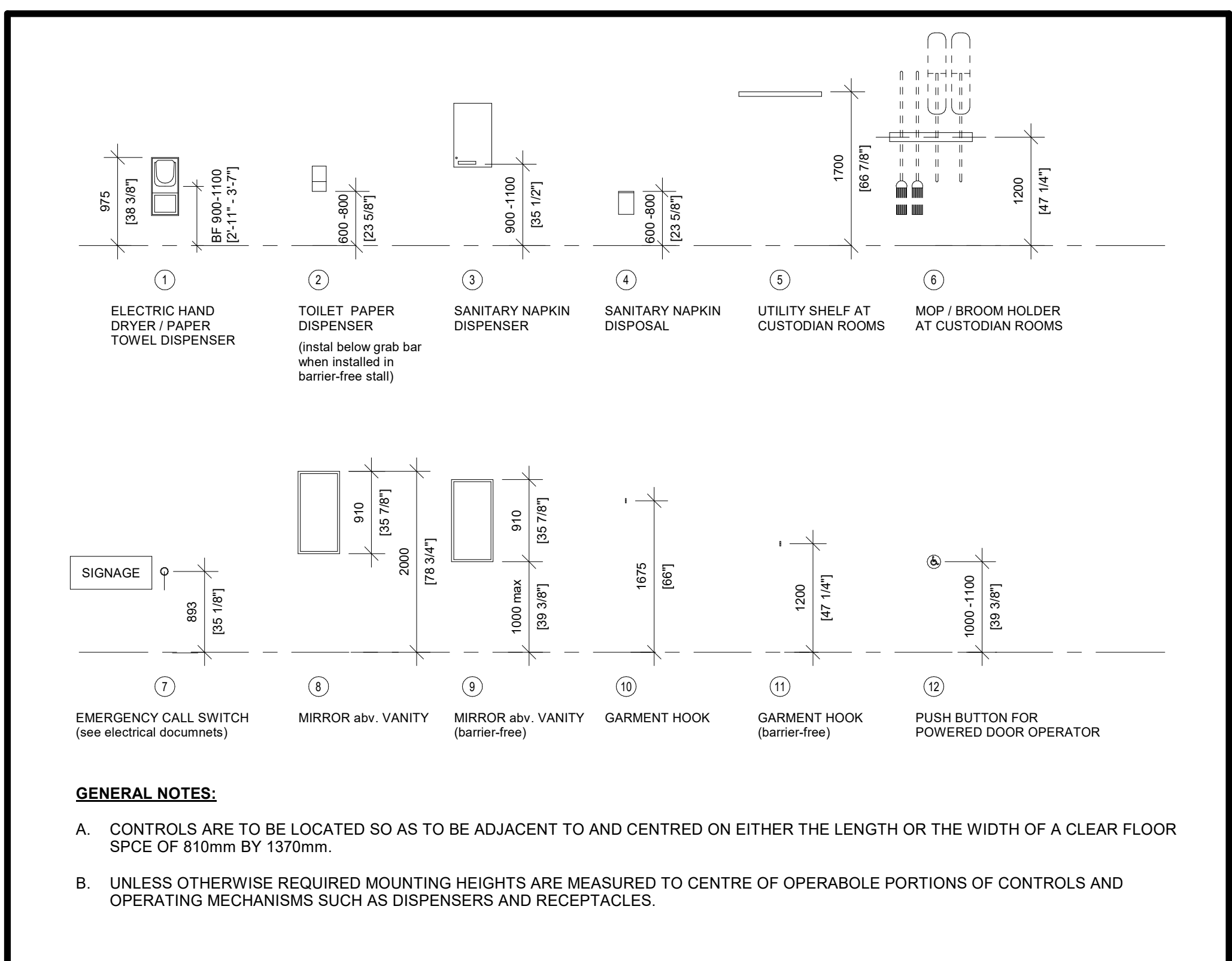
3 PARTIAL REFLECTED CEILING PLAN
A203 Scale: 1 : 100



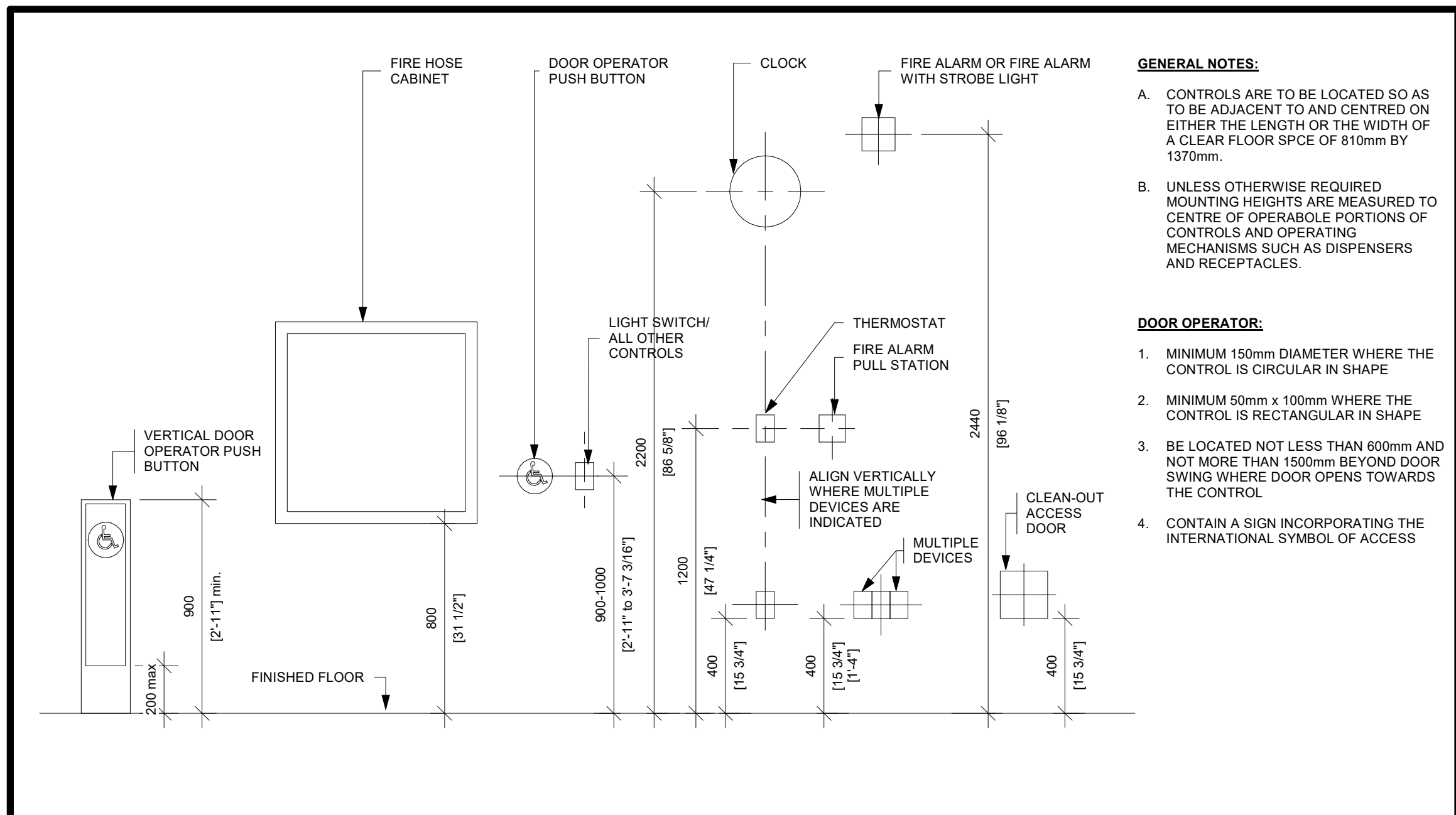
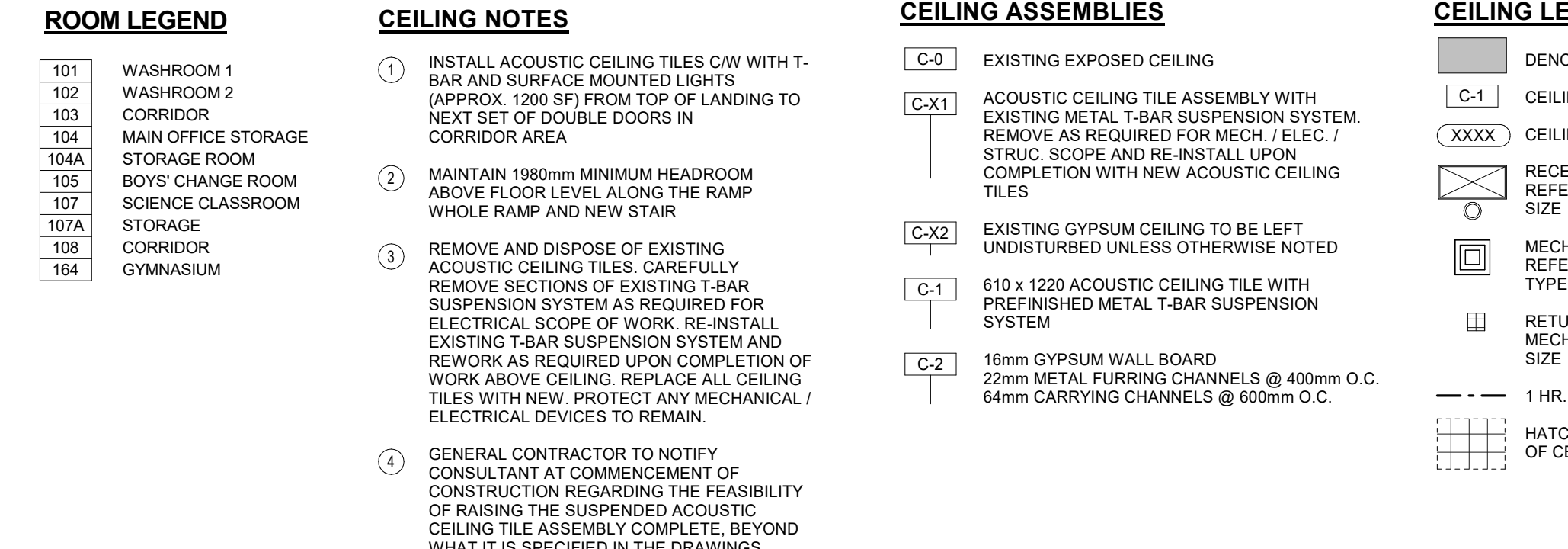
6 PARTIAL REFLECTED CEILING PLAN - WASHROOMS
A203 Scale: 1 : 50



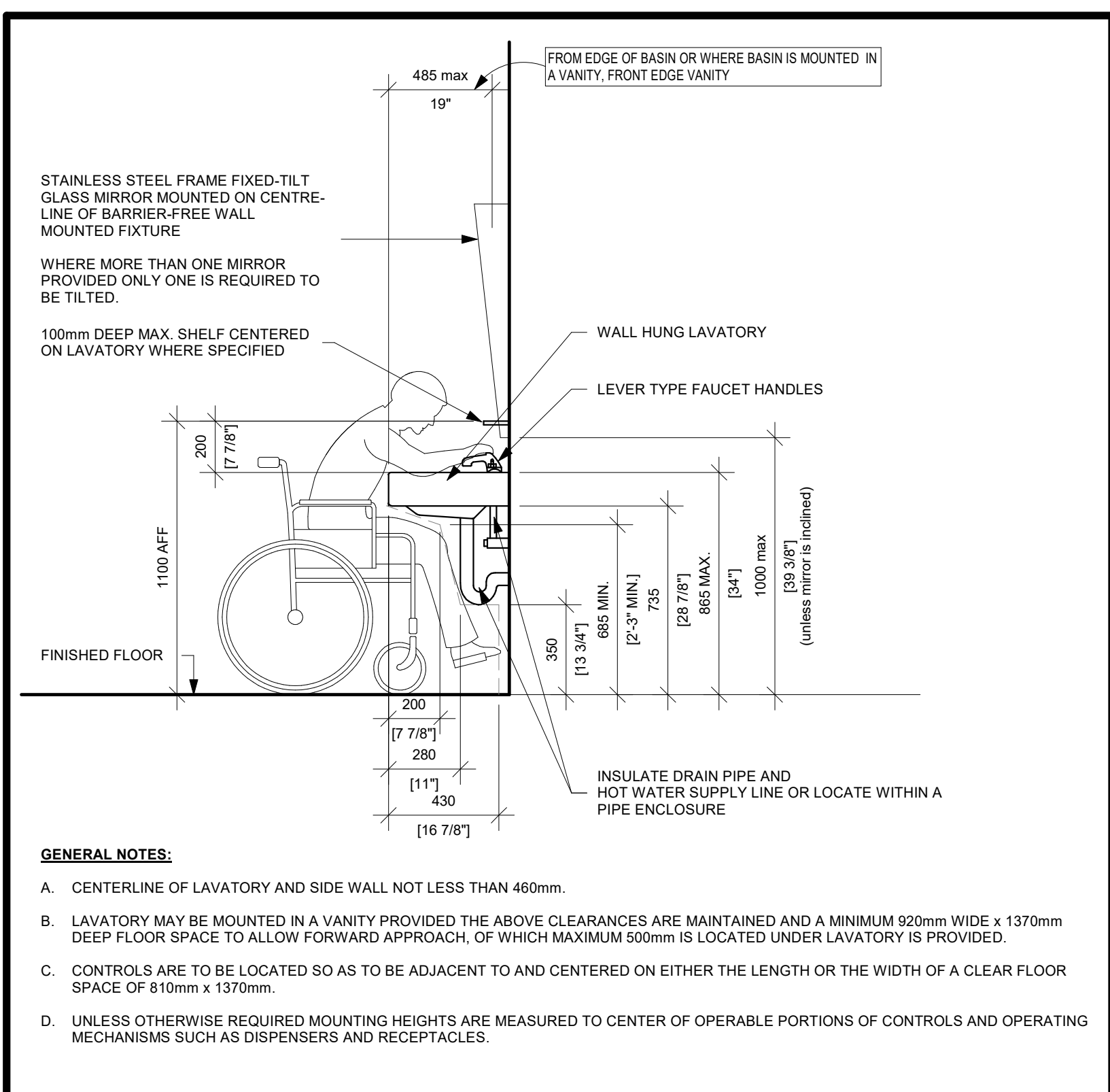
1 TYPICAL B.F. 'L' GRAB BAR ELEVATION
A203 Scale: 1 : 20



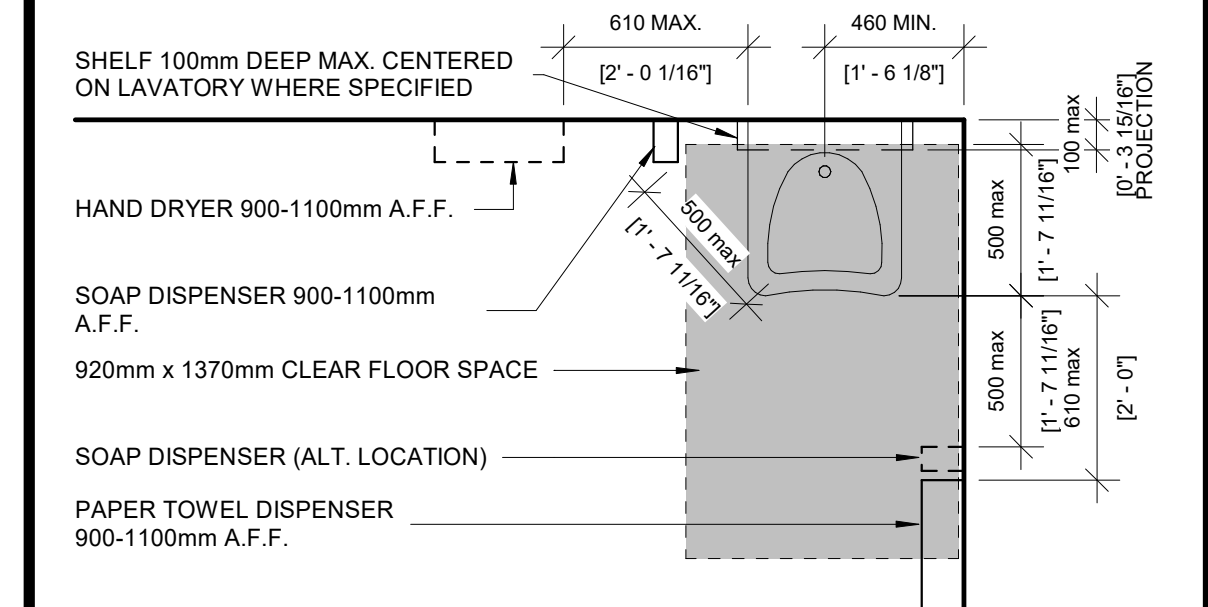
4 TYPICAL WASHROOM ACCESSORY MOUNTING HEIGHTS
A203 Scale: 1 : 50



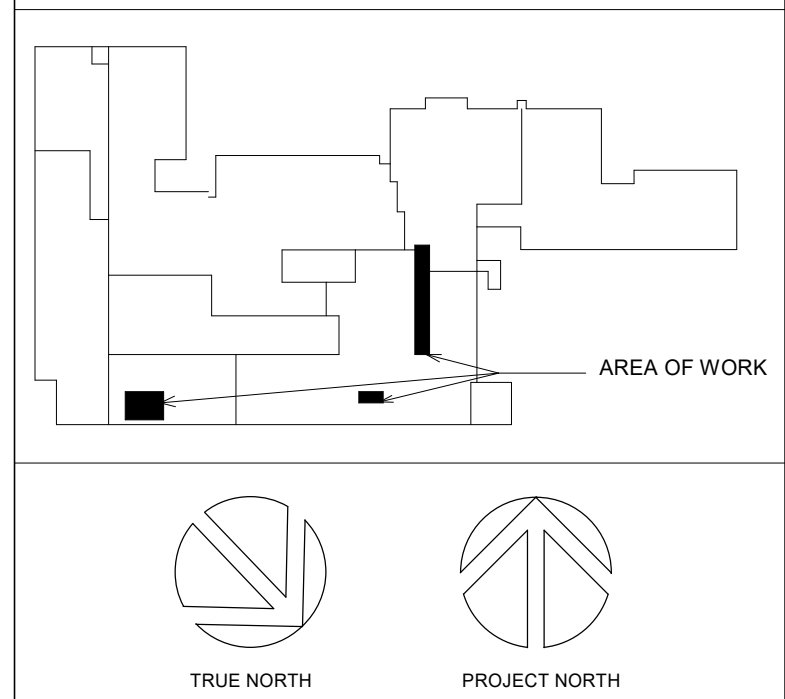
2 TYPICAL FIXTURE MOUNTING HEIGHTS
A203 Scale: 1 : 20



5 ACCESSIBLE LAVATORY MOUNTING HEIGHTS AND DISTANCES
A203 Scale: 1 : 20



7 BARRIER-FREE LAVATORY PLAN
A203 Scale: 1 : 25



No.	ISSUANCE	DATE
1	ISSUED FOR BID & PERMIT	2024-03-13

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD
51 ARDELT AVE, KITCHENER, ON N2C 2R5

PROJECT
PRESTON HIGH PS - RAMP AND WASHROOM RENOVATIONS
550 Rose St. Cambridge, ON N3H 2E6

TITLE
REFLECTED CEILING PLANS AND TYPICAL DETAILS

WALTERFEDY
KITCHENER | HAMILTON | TORONTO
800.685.1378 walterfedy.com

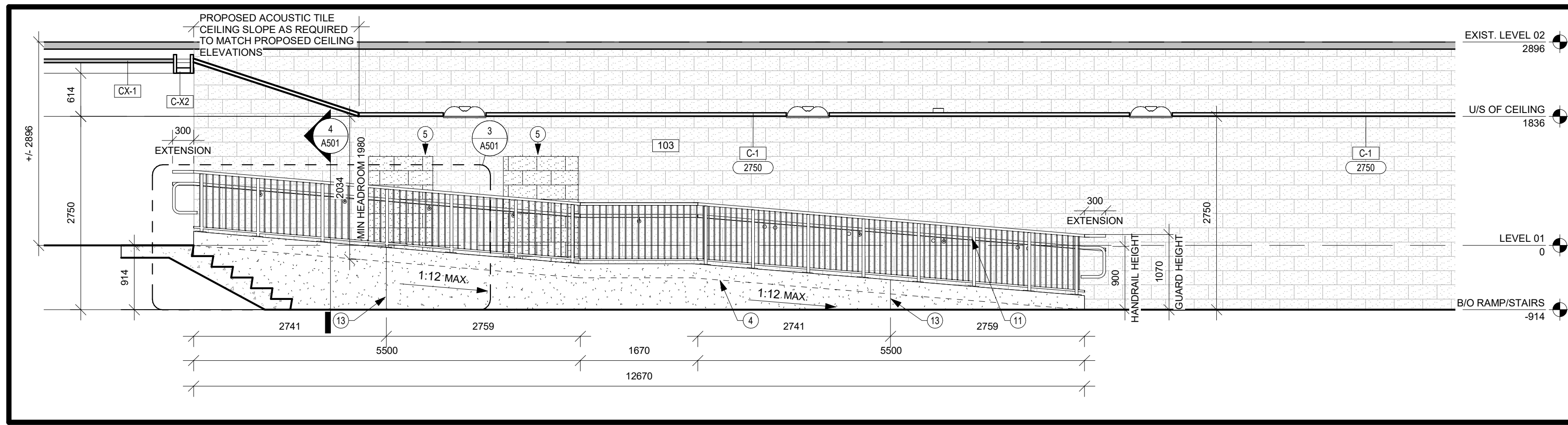
SEAL
ONTARIO ASSOCIATION OF ARCHITECTS
2024.03.07
MARIA JOSE MELO
LICENCE 9327

REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY 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. DO NOT SCALE THIS DRAWING.

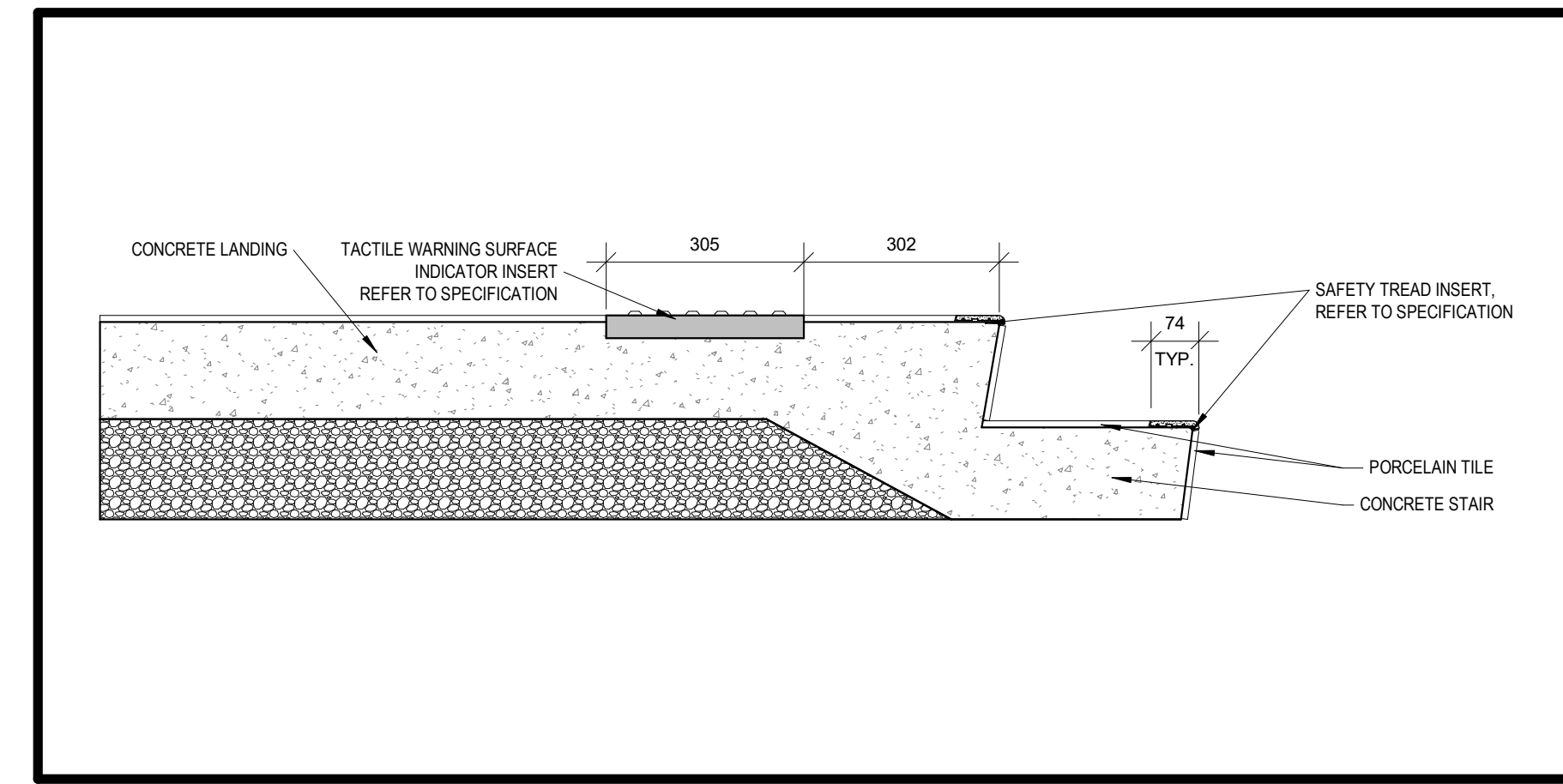
COPYRIGHT © 2024 WalterFedy Inc.

SCALE:	As indicated	SHEET NO.:
DATE:	2024-03-06	
PROJECT NO.:	23-7377-RFT	
DRAWN BY:	SY/AD	
CHECKED BY:	MM	

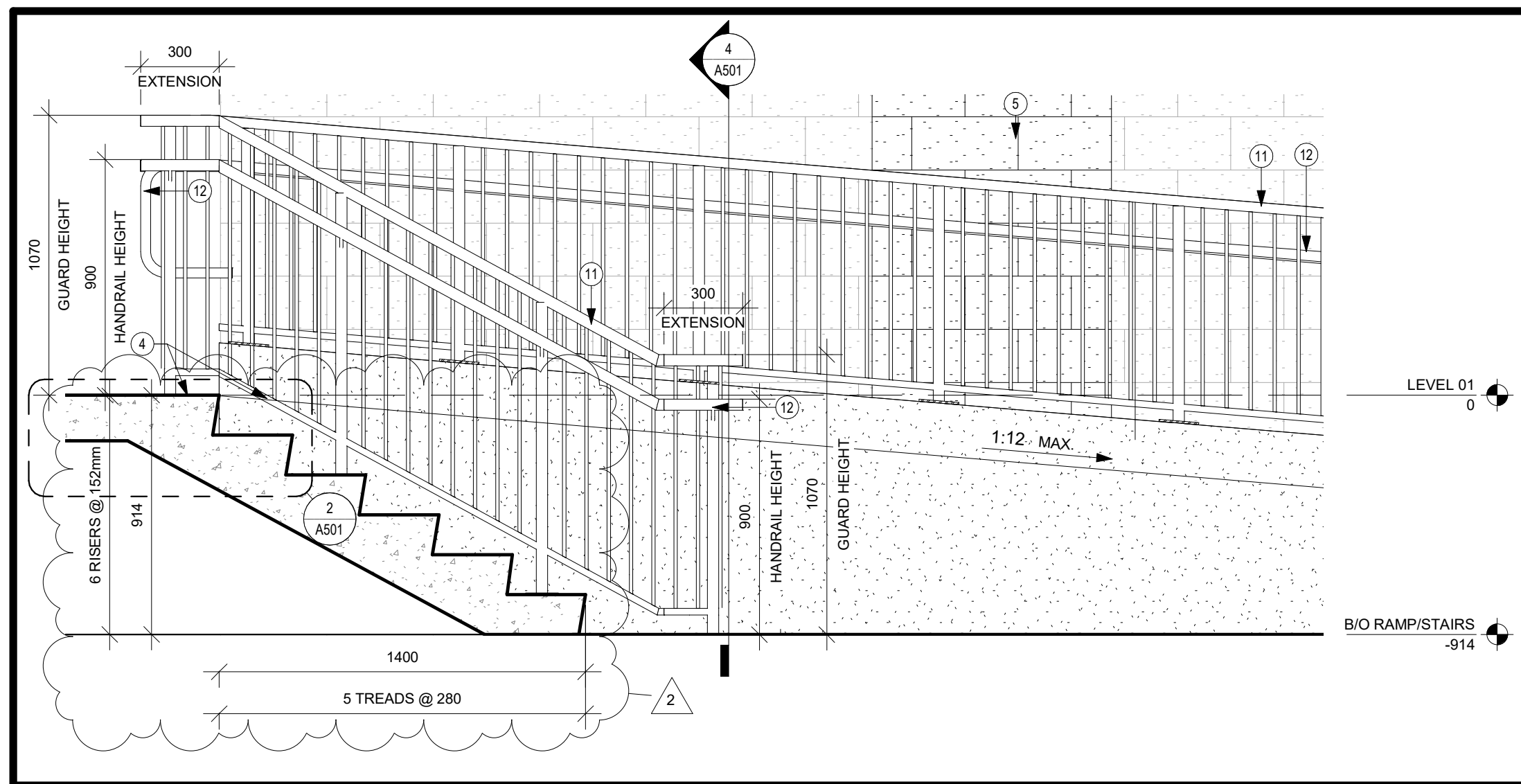
A203



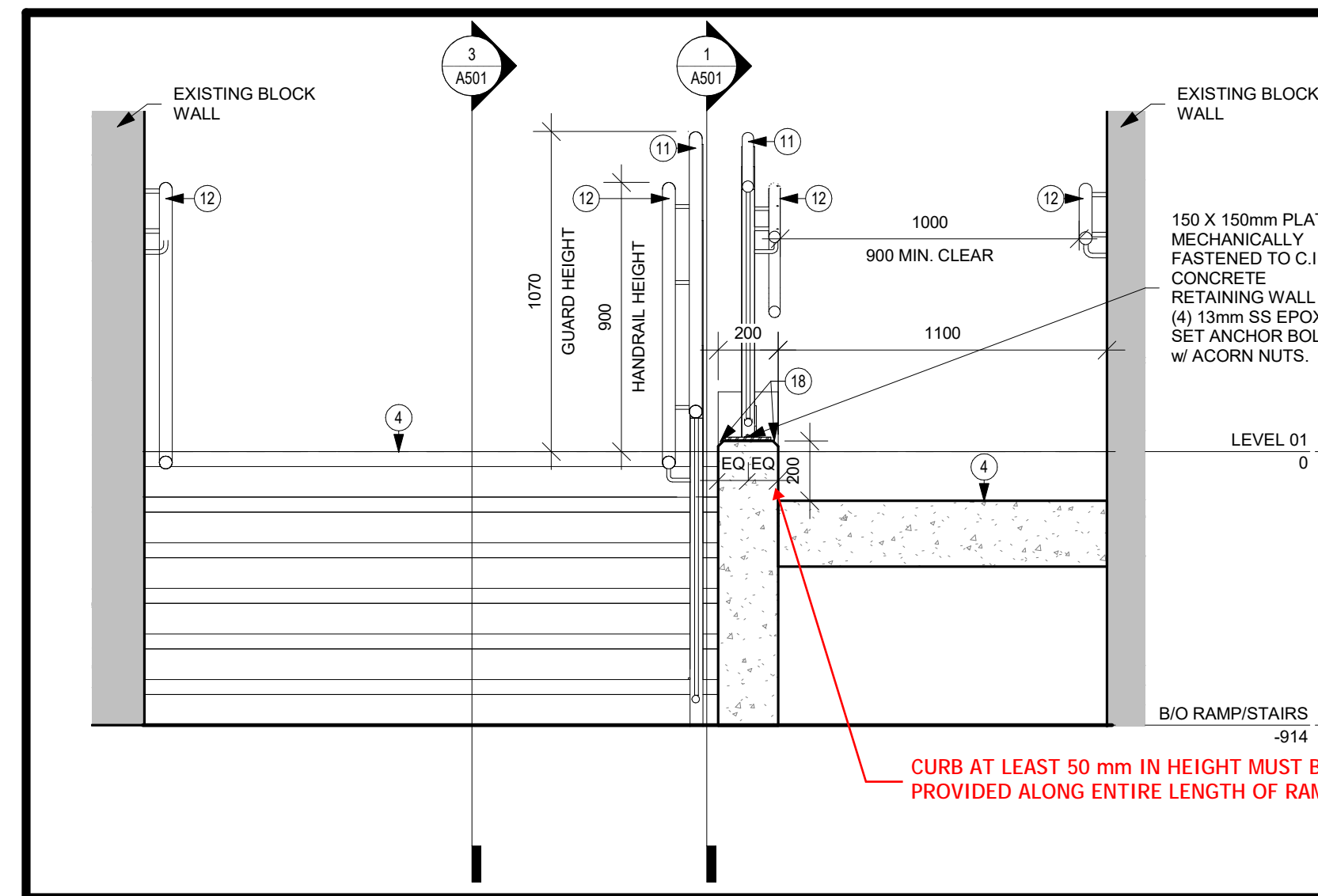
1 SECTION DETAIL - RAMP
A501 Scale: 1 : 50



2 TACTILE WARNING PLATE AND STAIR SAFETY TREAD INSERT DETAIL
A501 Scale: 1 : 10



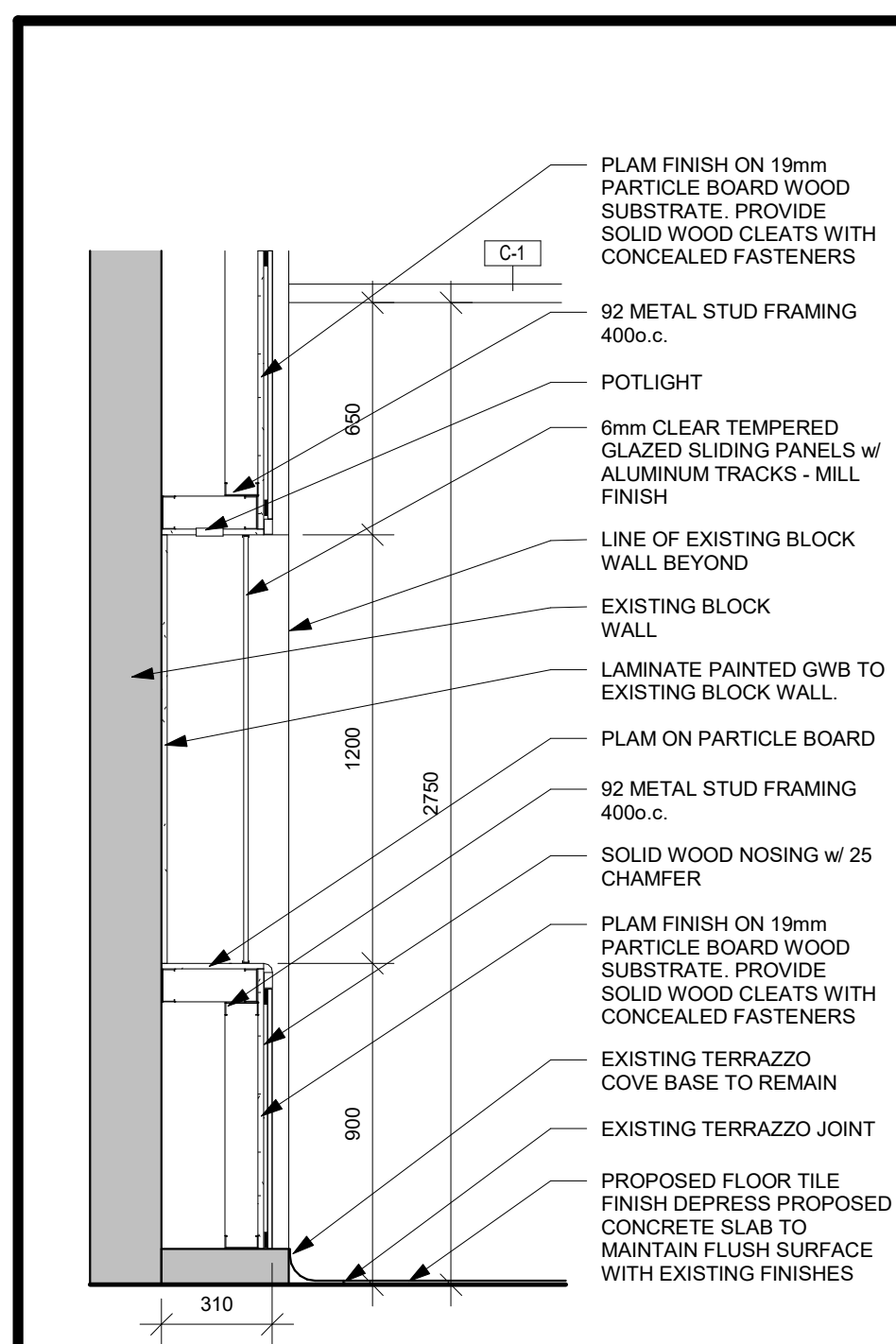
3 SECTION DETAIL - STAIRS
A501 Scale: 1 : 20



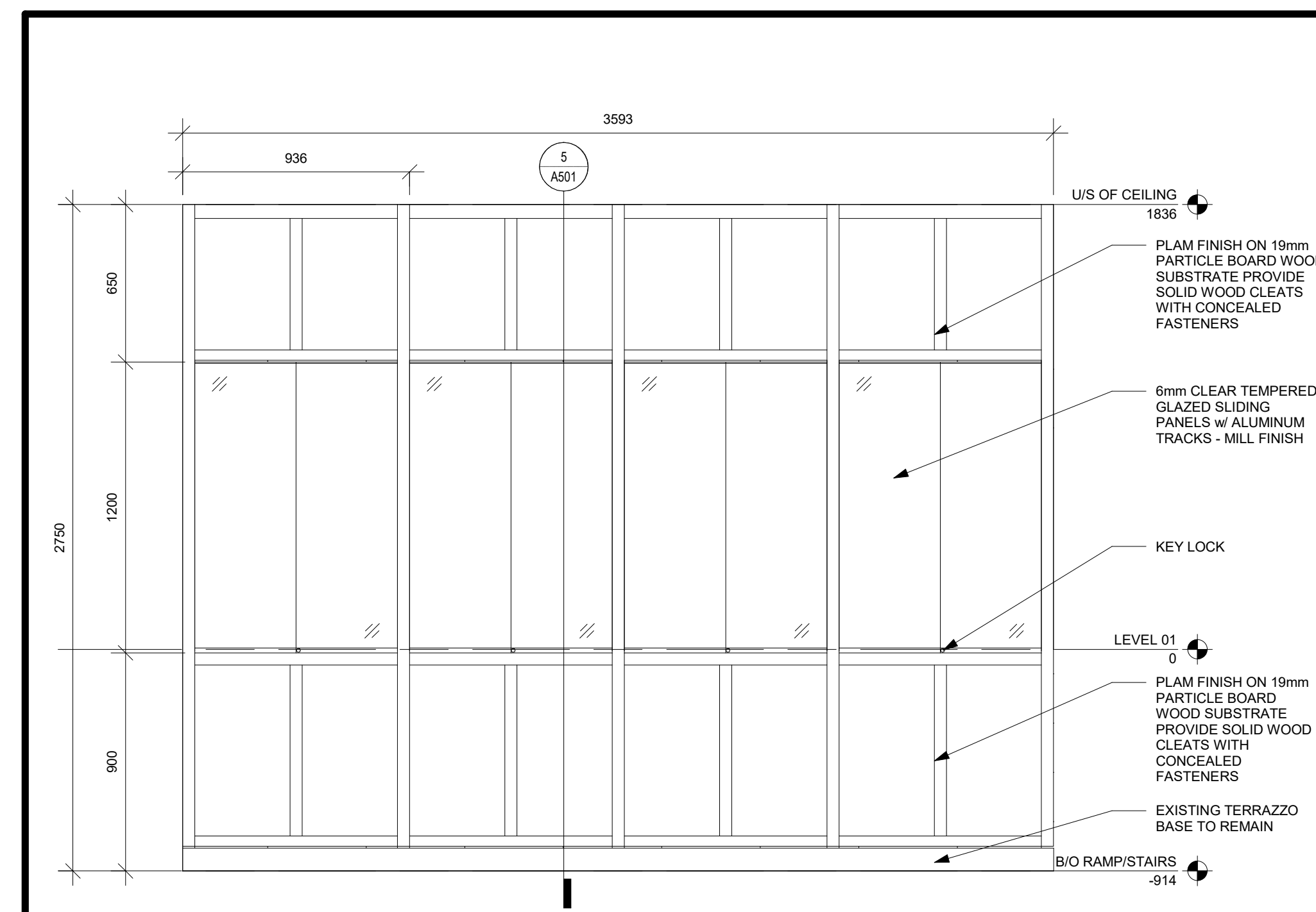
4 CROSS SECTION DETAIL - RAMP
A501 Scale: 1 : 20

DRAWING NOTES

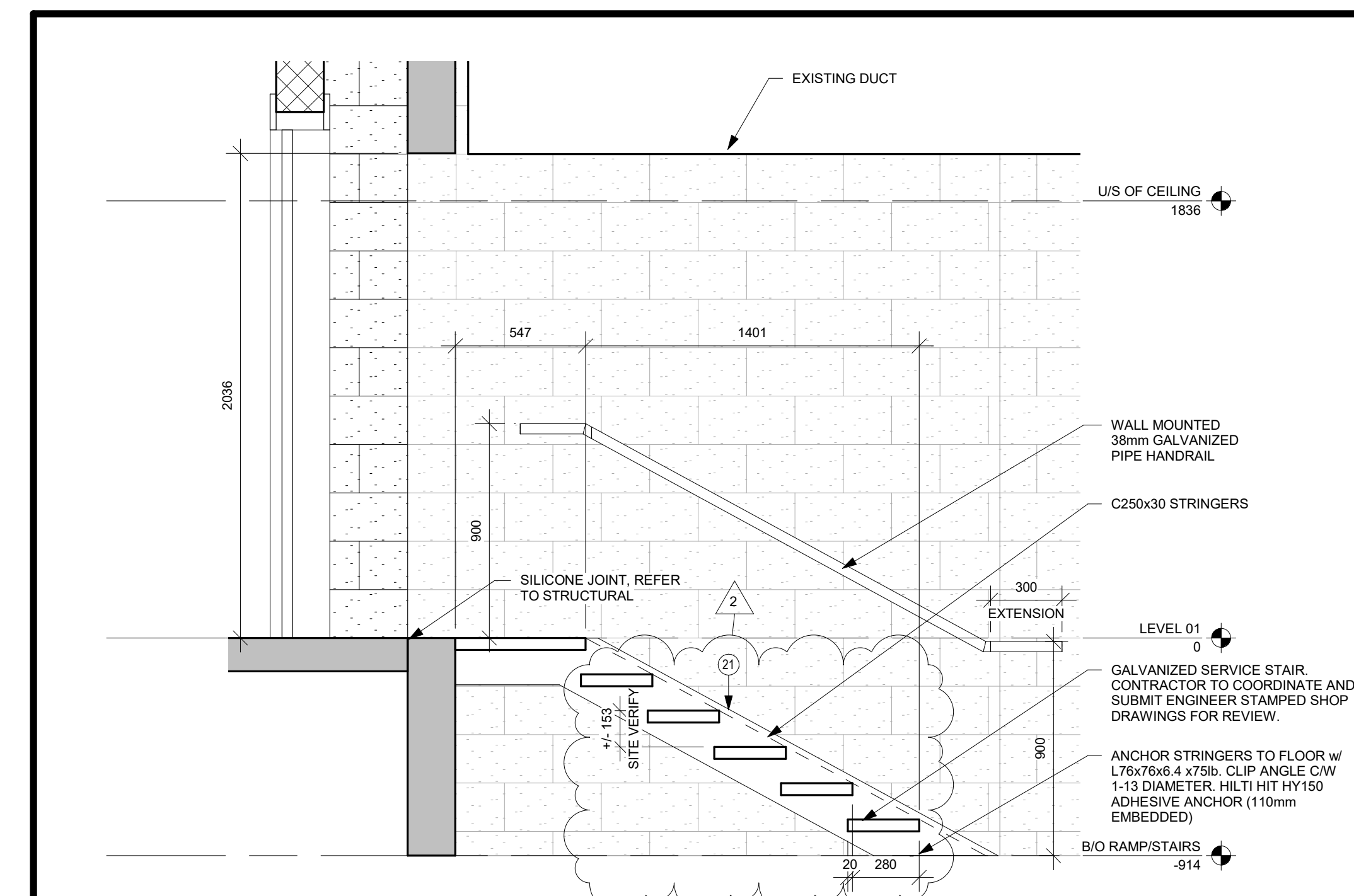
- 1 INSTALL HOLLOW METAL DOOR AND FRAME. TO MATCH EXISTING COLOUR.
- 2 INSTALL NEW BARRIER FREE LAVATORY. REFER TO MECHANICAL.
- 3 INSTALL PORCELAIN FLOOR TILE AND BASE.
- 4 NEW CONCRETE RAMP AND STAIRS TO BE FINISHED WITH PORCELAIN TILE. REFER TO STRUCTURAL.
- 5 INFILL EXISTING OPENING WITH CONCRETE BLOCK. PATCH AND PAINT.
- 6 INSTALL SHEET VINYL FLOOR C/W TRANSITION INTO CORRIDOR AND CLOSET 107A.
- 7 PATCH TERRAZO FLOORING BASE TO MATCH EXISTING AS REQUIRED BY FLOOR DEMOLITION.
- 8 RESERVED
- 9 RESERVED
- 10 TACTILE WALKING SURFACE INDICATOR.
- 11 STAINLESS STEEL GUARD. 38mm STAINLESS PIPE TOP AND BOTTOM RAIL, 38mm STAINLESS PIPE POSTS SECURED TO CONCRETE CURB, 12mm DIAMETER STAINLESS PICKETS @100mm o.c. MAX
- 12 38mm STAINLESS PIPE HANDRAIL
- 13 SAWCUT CONTROL JOINT IN CONCRETE RAMP AND CURB.
- 14 INSTALL NEW BARRIER FREE WATER CLOSET. FLUSHING CONTROLS TO BE OPERABLE FROM THE TRANSFER SIDE. REFER TO MECHANICAL.
- 15 HAND DRYER, REFER TO ELECTRICAL. REFER TO TYPICAL DETAILS FOR HEIGHT REQUIREMENTS AND CLEARANCES.
- 16 PDO AND PUSH TO LOCK, REFER TO ELECTRICAL.
- 17 PATCH AND MAKE GOOD TO ALL SURFACES INCLUDING MILLWORK WALL PANELING AS REQUIRED BY ELECTRICAL SCOPE OF WORK, REFER TO ELECTRICAL.
- 18 25 CONCRETE CHAMFER - TYPICAL.
- 19 REFER TO STRUCTURAL FOR CONCRETE FINISHING FOR CURB.
- 20 NEW RECESSED ELECTRICAL PANEL, REFER TO ELECTRICAL
- 21 GALVANIZED SERVICE STAIR



5 SECTION DETAIL - DISPLAY CASE
A501 Scale: 1 : 20



6 INTERIOR ELEVATION - DISPLAY CASE
A501 Scale: 1 : 20



7 SECTION DETAIL - STORAGE STAIRS
A501 Scale: 1 : 20



No.	ISSUANCE	DATE
1	ISSUED FOR BID & PERMIT	2024-03-13
2	RE-ISSUED FOR PERMIT	2024-05-13

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

51 ARDELT AVE, KITCHENER, ON N2C 2R5

PROJECT
PRESTON HIGH PS - RAMP AND WASHROOM RENOVATIONS
550 Rose St. Cambridge, ON N3H 2E6

TITLE
SECTION DETAILS

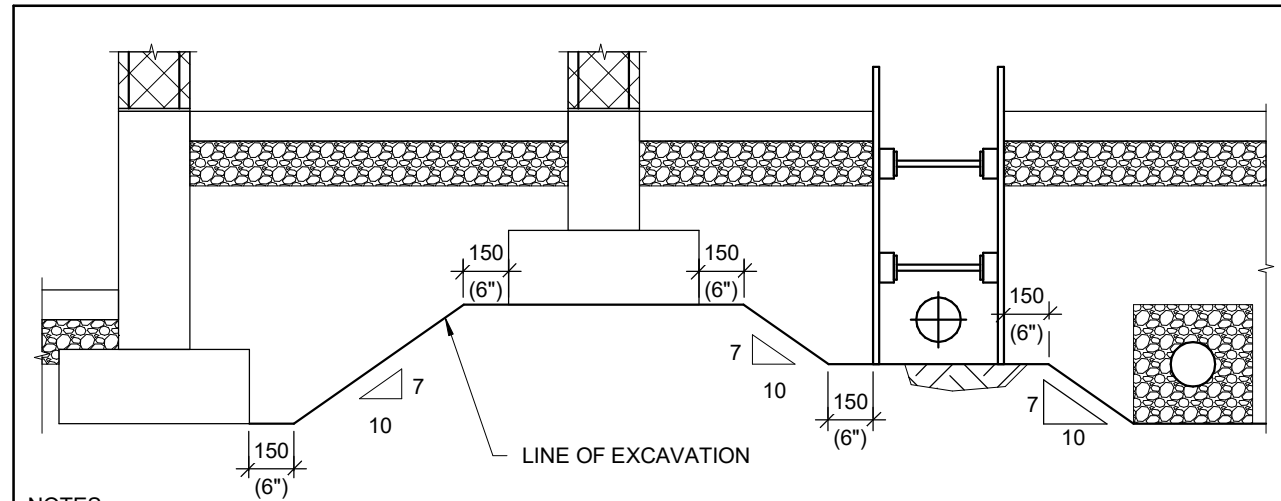
WALTERFEDY
KITCHENER | HAMILTON | TORONTO
800.685.1378 walterfedy.com



REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY 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. DO NOT SCALE THIS DRAWING.

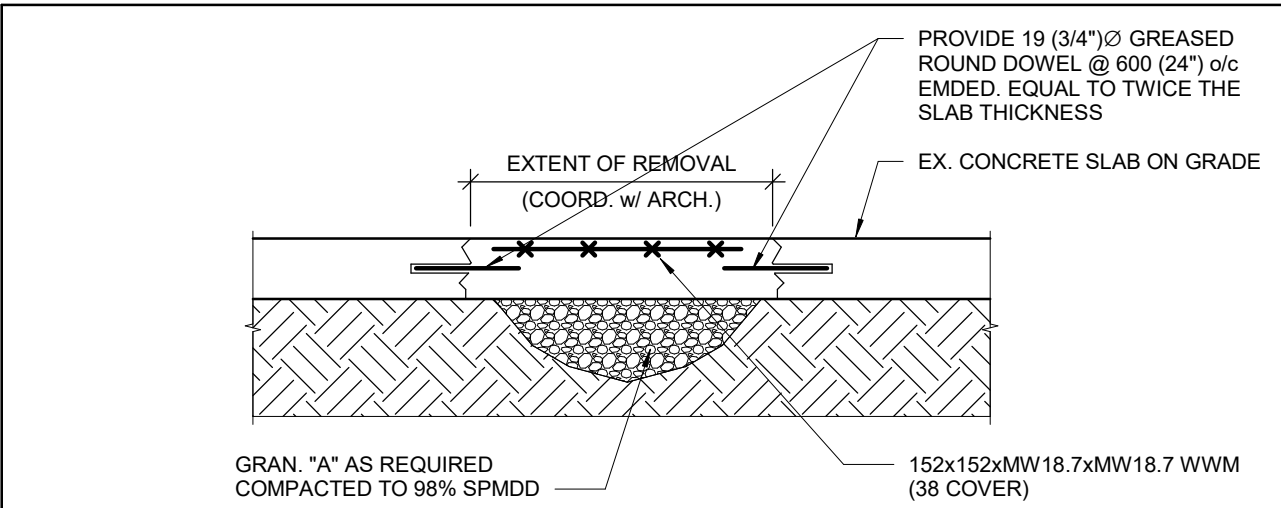
SCALE:	As Indicated	SHEET NO.:
DATE:	2024-03-06	
WRDSB PROJECT NO.:	23-7377-RFT	
PROJECT NO.:	2023-0705-11	
DRAWN BY:	SY/AD	
CHECKED BY:	MM	

A501



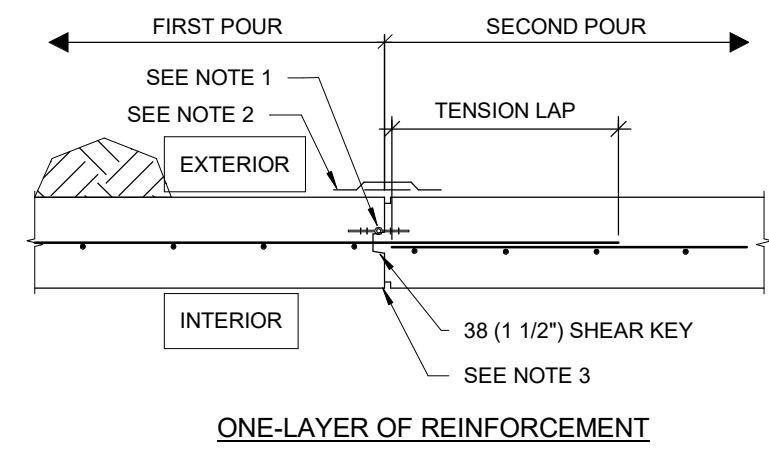
- NOTES:
 1. MAINTAIN MINIMUM SLOPE TO ADJACENT FOOTINGS AND EXCAVATIONS UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT.
 2. LOWER FOOTINGS AS NECESSARY TO ACHIEVE SLOPE NOTED.
 3. ENSURE SPECIFIED SLOPE IS NOT COMPROMISED BY DISTURBED SOIL BETWEEN THE EXCAVATIONS.

ADJACENT FOOTINGS AND EXCAVATIONS C101



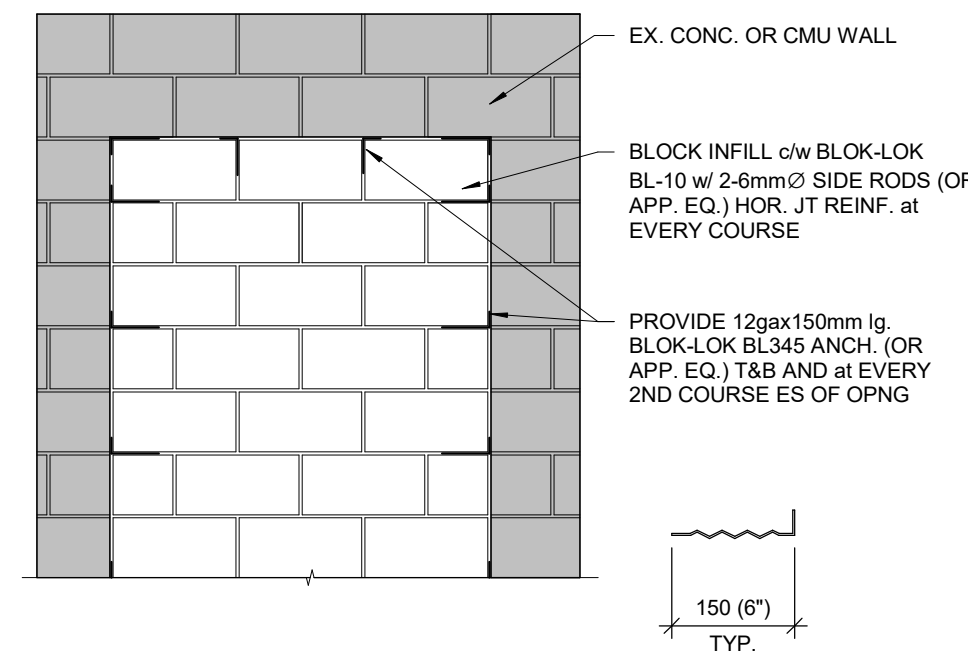
- NOTE:
 1. REFER TO ARCH. FOR LOCATION AND SIZE OF SLAB REPAIR.

SLAB-ON-GRADE REPAIR C206



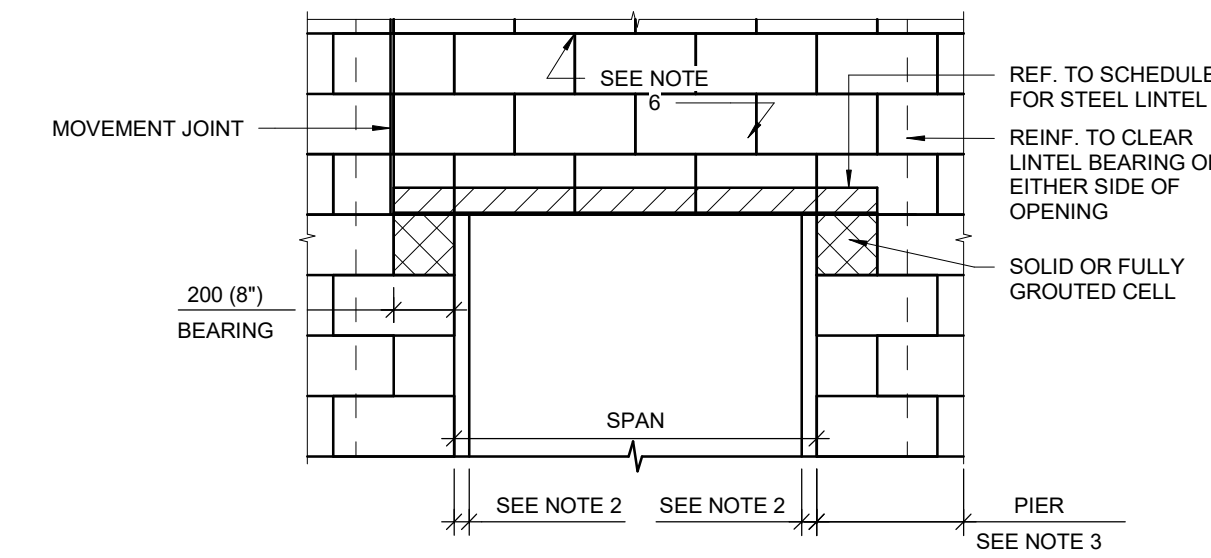
- NOTES:
 1. THIS DETAIL APPLIES TO FOUNDATION WALLS, PITS, AND CONCRETE WALLS RETAINING SOIL.
 2. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATERPROOFING REQUIREMENTS OF CONSTRUCTION JOINTS FOR FOUNDATION WALLS.
 3. PROVIDE 19x19 (1/2"x1/2") REGLET IN WALLS EXPOSED TO VIEW, WHERE WALLS ARE DESIGNATED ARCHITECTURALLY EXPOSED CONCRETE. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 4. FOR WALLS SUPPORTED ON CAISSONS OR PIERS, LOCATE CONSTRUCTION JOINTS AT THE MID SPAN BETWEEN SUPPORTS.
 5. CONSTRUCTION JOINTS ARE TO BE LOCATED A MINIMUM OF 1200mm (4'-0") FROM ANY PENETRATIONS OR OPENINGS THROUGH THE WALL.
 6. HORIZONTAL CONSTRUCTION JOINTS ARE NOT PERMITTED.
 7. ALL TENSION LAP SPLICES SHALL BE CLASS "B" UNLESS NOTED OTHERWISE.

CONSTRUCTION JOINTS IN FOUNDATION WALLS C111



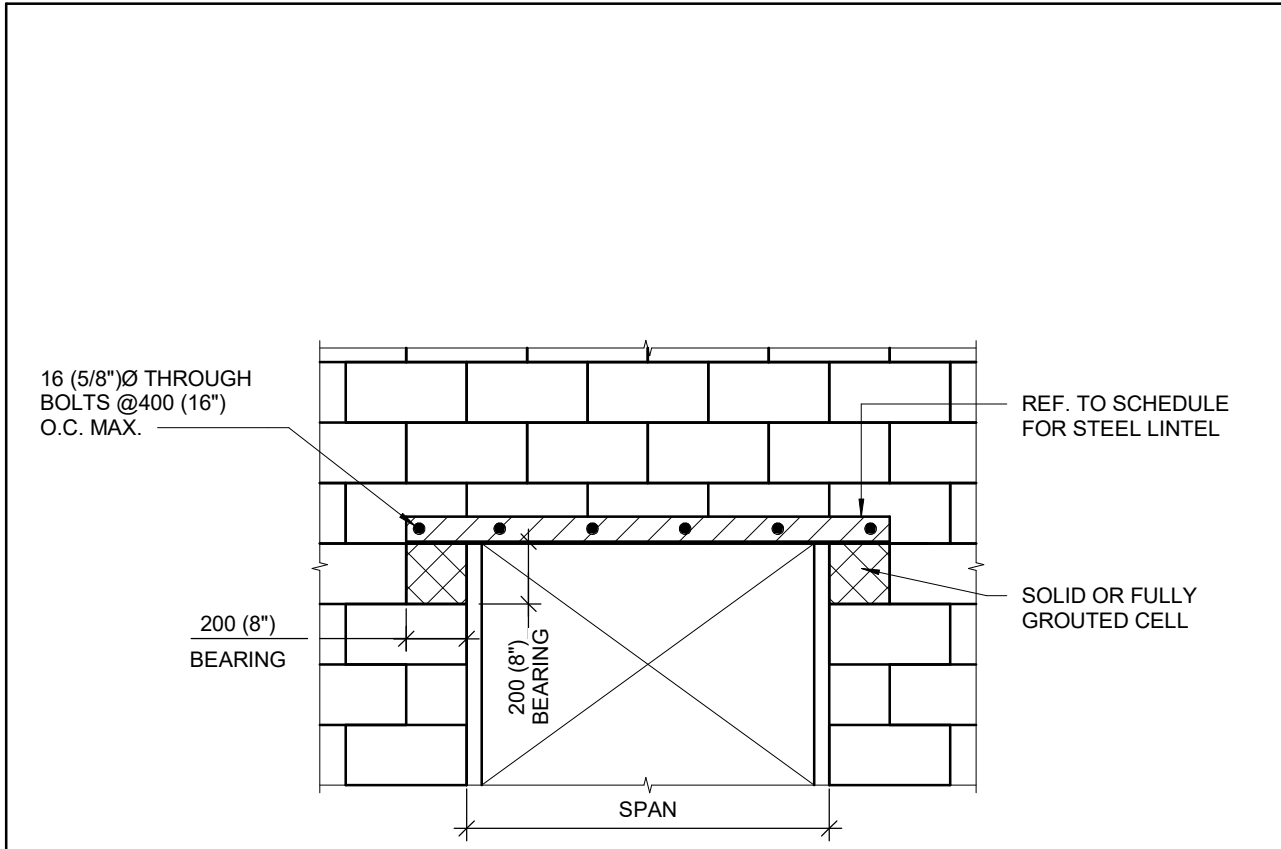
- NOTE:
 1. REFER TO ARCH. FOR LOCATION OF BLOCK WALL OPENINGS TO BE INFILLED.

INFILL EXISTING OPENINGS IN MASONRY WALLS M113



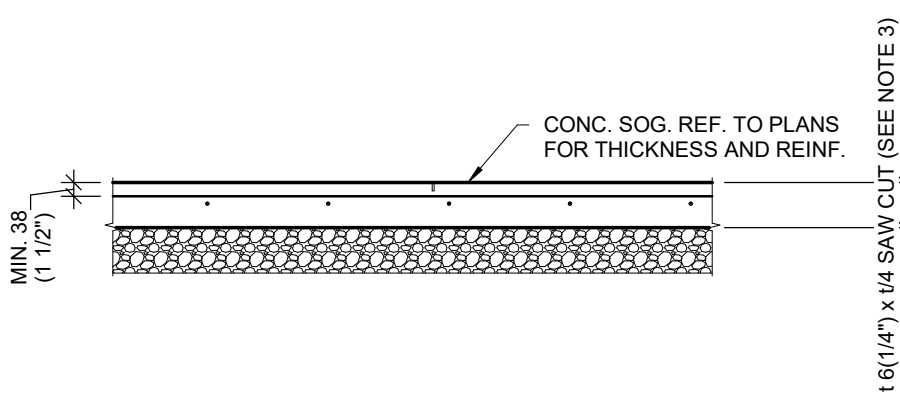
- NOTES:
 1. REFER TO SCHEDULE FOR STEEL LINTEL SIZE.
 2. CONNECT BACK TO BACK ANGLES USING MINIMUM 16 (5/8") BOLTS AT 450 (1'-6") ON CENTRE, OR BY WELDING TOP & BOTTOM WITH 6 (1/4") FILLET WELDS x 50 (2") LONG AT 450 (1'-6") ON CENTRE. FIRST CONNECTION SHALL BE NO MORE THAN 75 (3") FROM END OF LINTEL.
 3. WHERE WALL THICKNESS IS REDUCED BY RECESSES, INCLUDE IN LINTEL SPAN.
 4. IF PIER DIMENSION TO END OF WALL IS 600 (2'-0") OR LESS, FULLY GROUT PIER FOR FULL WALL HEIGHT.
 5. PROVIDE STEEL PACKING AS REQUIRED FOR UNIFORM BEARING OF LINTELS.
 6. FOR NON-LOAD BEARING MASONRY PARTITIONS WITH STACKED BOND, THE UNSUPPORTED WALL HEIGHT ABOVE LINTEL NOT TO EXCEED 1/2 x SPAN.

STEEL LINTELS FOR MASONRY WALLS M105



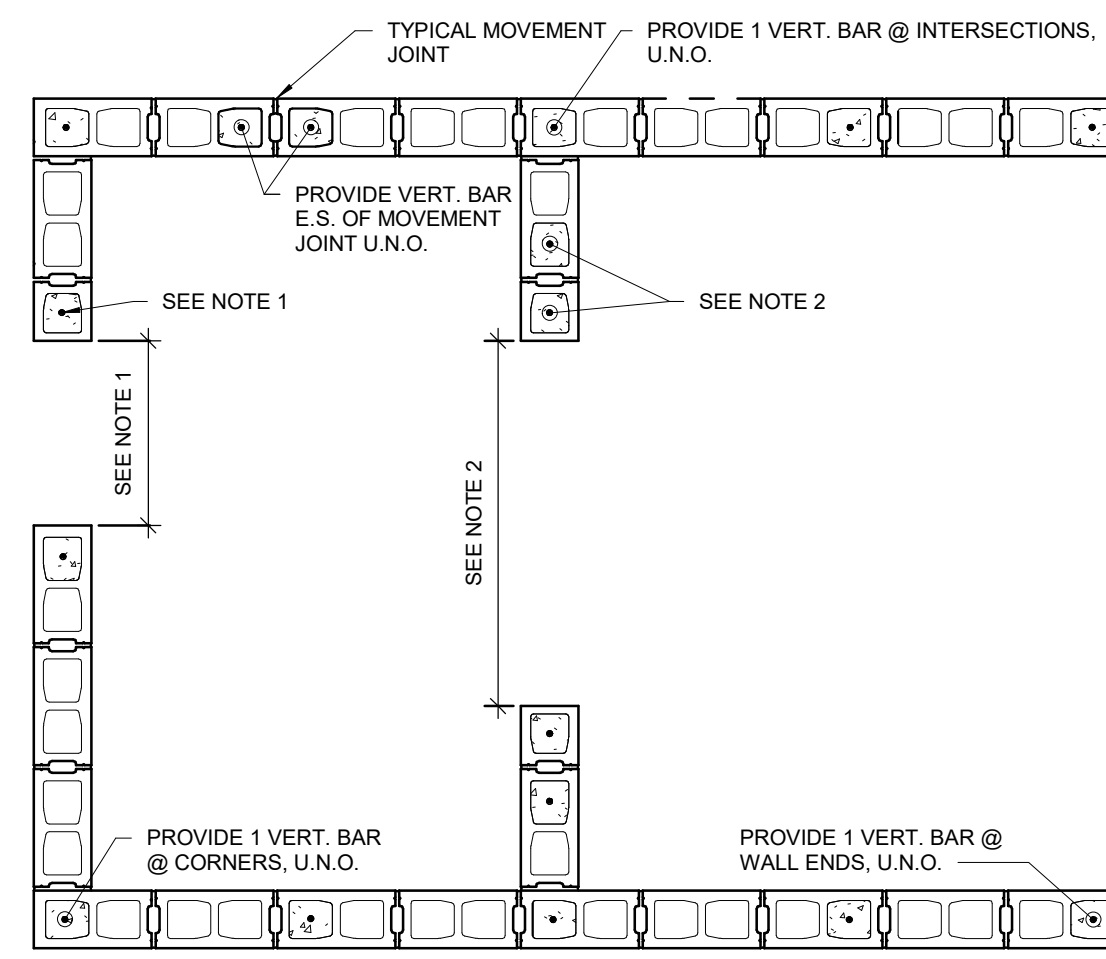
- NOTES:
 1. REFER TO SCHEDULE FOR STEEL LINTEL SIZE.
 2. GROUT LINTEL BEARING PRIOR TO SAW CUTTING THE EXISTING WALL.
 3. PROVIDE STEEL PACKING AS REQUIRED FOR UNIFORM BEARING OF STEEL LINTELS.
 4. STANDARD LINTELS ARE NOT NECESSARILY SHOWN ON STRUCTURAL DRAWINGS FOR OPENING LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR OPENING LOCATIONS.

STEEL LINTELS FOR EXISTING NON-LOAD BEARING MASONRY PARTITIONS M107



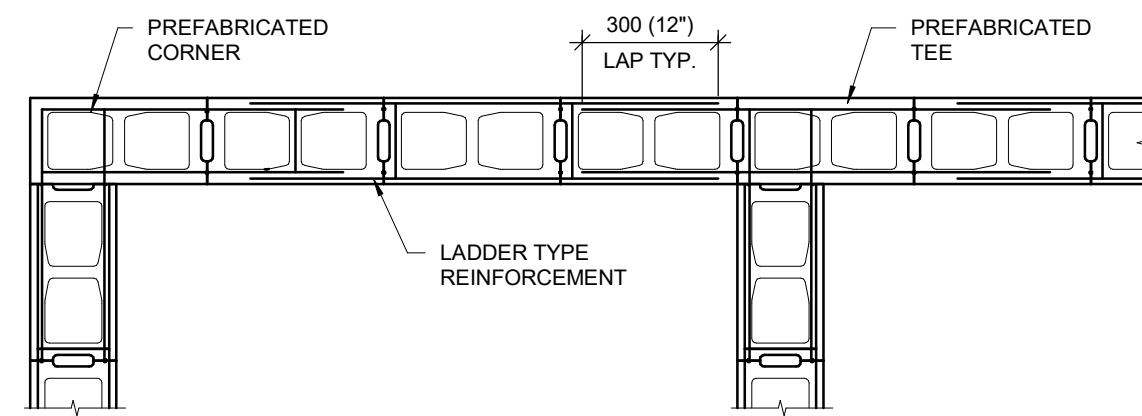
- NOTE:
 1. SAWCUT SLAB-ON-GRADE 6 TO 18 HOURS AFTER PLACING CONCRETE.
 2. CONTRACTOR TO ENSURE REINFORCING IS NOT CUT.
 3. DO NOT CUT REINFORCING DURING SAW CUTTING OPERATION.

SAWCUT CONTROL JOINTS C202



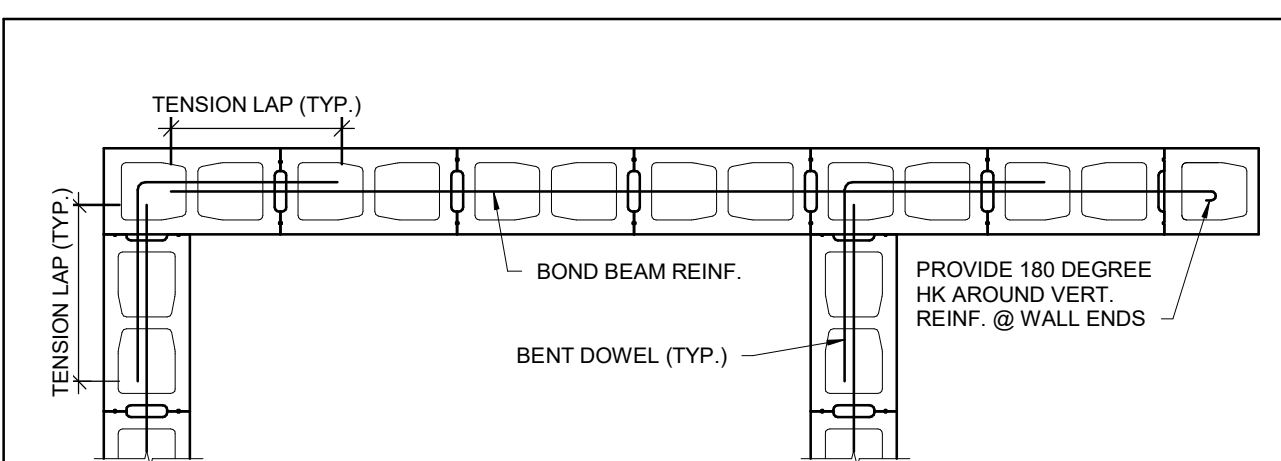
- NOTES:
 1. REFER TO SCHEDULE FOR SIZE AND SPACING OF REINFORCEMENT.
 2. WHERE OPENINGS ARE LESS THAN THE VERTICAL REINFORCEMENT SPACING, PROVIDE 1 VERTICAL BAR ON EACH SIDE OF THE OPENING UNLESS NOTED OTHERWISE.
 3. WHERE OPENINGS ARE WIDER THAN THE VERTICAL REINFORCEMENT SPACING, BUT LESS THAN 3000 (10'-0"), PROVIDE 2 VERTICAL BARS ON EACH SIDE OF OPENING UNLESS NOTED OTHERWISE.

VERTICAL REINFORCEMENT IN MASONRY WALLS M101



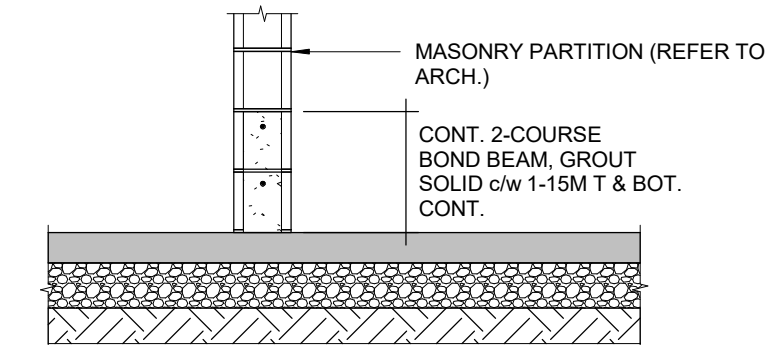
- NOTE:
 1. ALL BED JOINT REINFORCEMENT SHALL BE LADDER TYPE, UNLESS NOTED OTHERWISE.
 2. ALL CORNER AND TEES REINFORCEMENT SHALL BE PREFABRICATED.

BED JOINT REINFORCEMENT M102

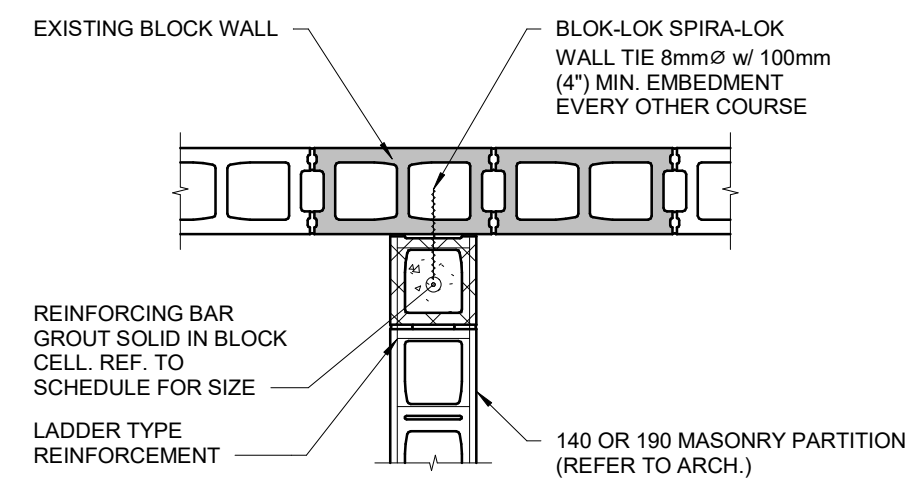


- NOTES:
 1. ALL BOND BEAM REINFORCING SHALL BE CONTINUOUS.
 2. ALL TENSION LAPS SHALL BE CLASS "B", UNLESS NOTED OTHERWISE.
 3. REFER TO SCHEDULE FOR TENSION LAP LENGTHS.

BOND BEAM REINFORCING SCHEMATIC M103



MASONRY PARTITION ON EXISTING SLAB M109



CONNECTION BETWEEN NEW AND EXISTING MASONRY M114

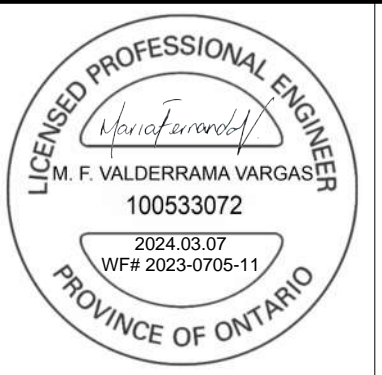
No.	ISSUANCE	DATE
1	ISSUED FOR 90% OWNER REVIEW	2024.02.26
2	ISSUED FOR BID AND PERMIT	2024.03.13

CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD

PROJECT
PRESTON HIGH PS - RAMP AND WASHROOM RENOVATIONS
 550 Rose St. Cambridge, ON N3H 2E6

TITLE
TYPICAL DETAILS

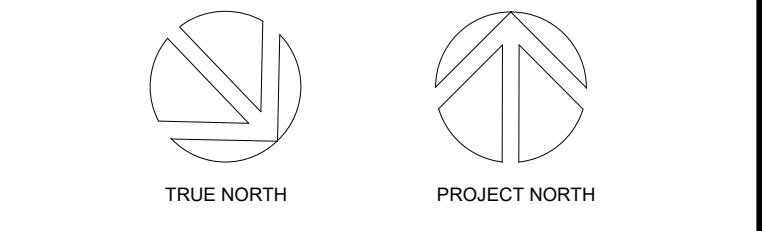
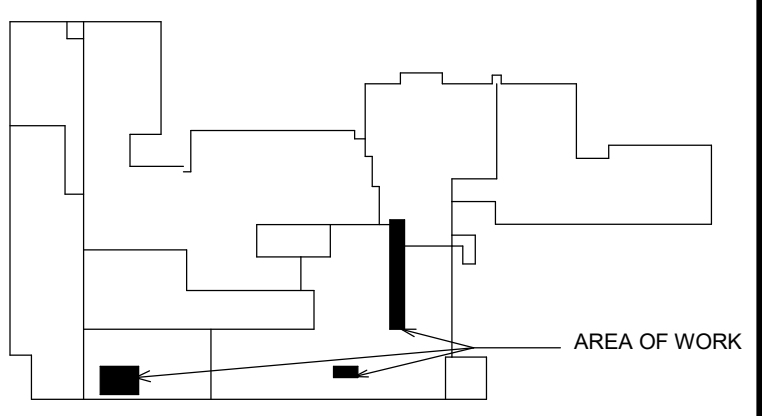
WALTERFEDY
 KITCHENER | HAMILTON | TORONTO
 800.885.1378 walterfedy.com



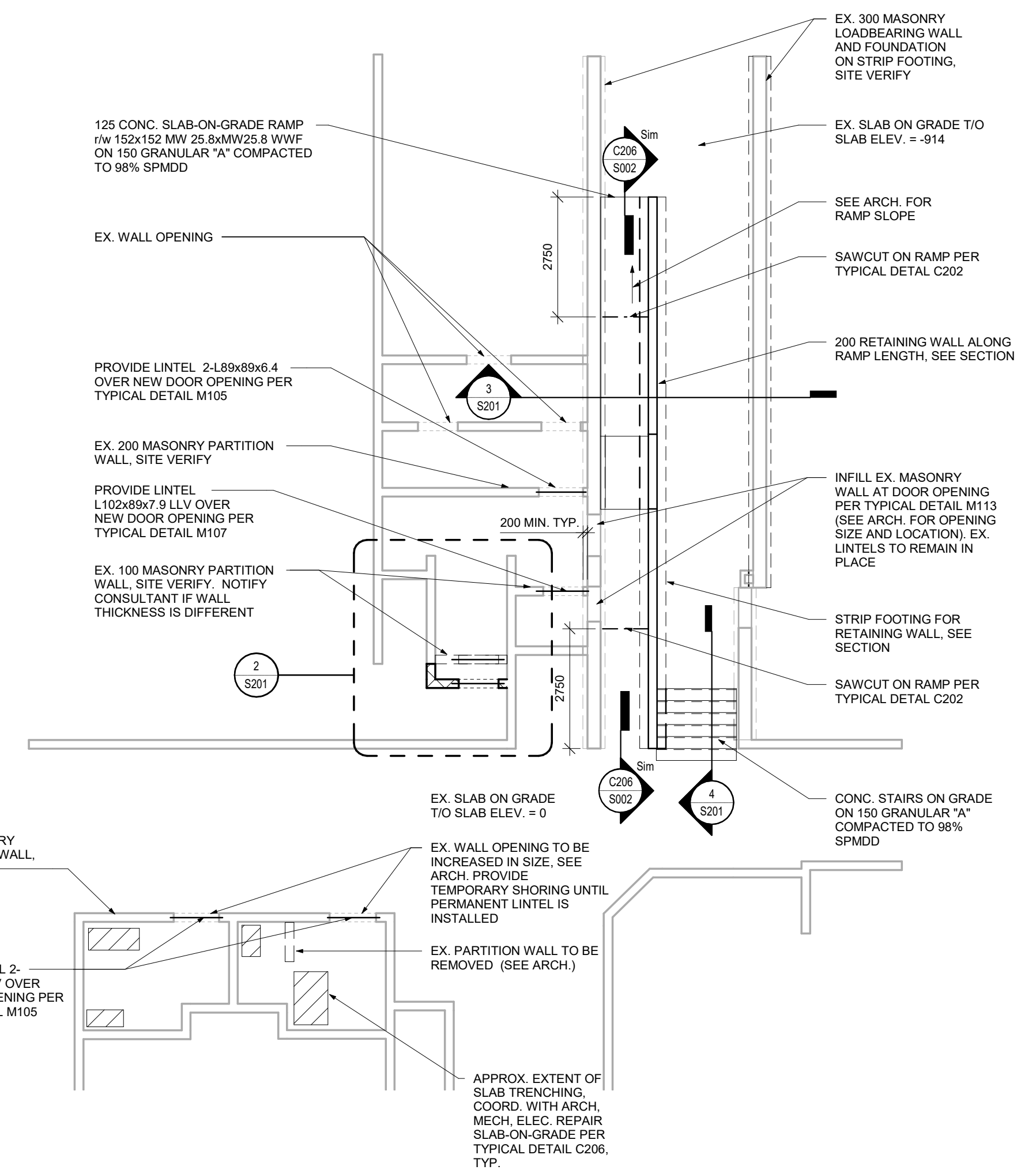
REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY IS FORBIDDEN. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS TO WALTERFEDY. DO NOT SCALE THIS DRAWING.

COPYRIGHT © 2021 WalterFedy Inc.	WalterFedy Inc.
SCALE: 1 : 25	SHEET NO:
DATE: 05/14/20	
WRDSB PROJECT NO: 23-7377-RFT	
PROJECT NO: 2023-0705-10	
DRAWN BY: Author	
CHECKED BY: Checker	

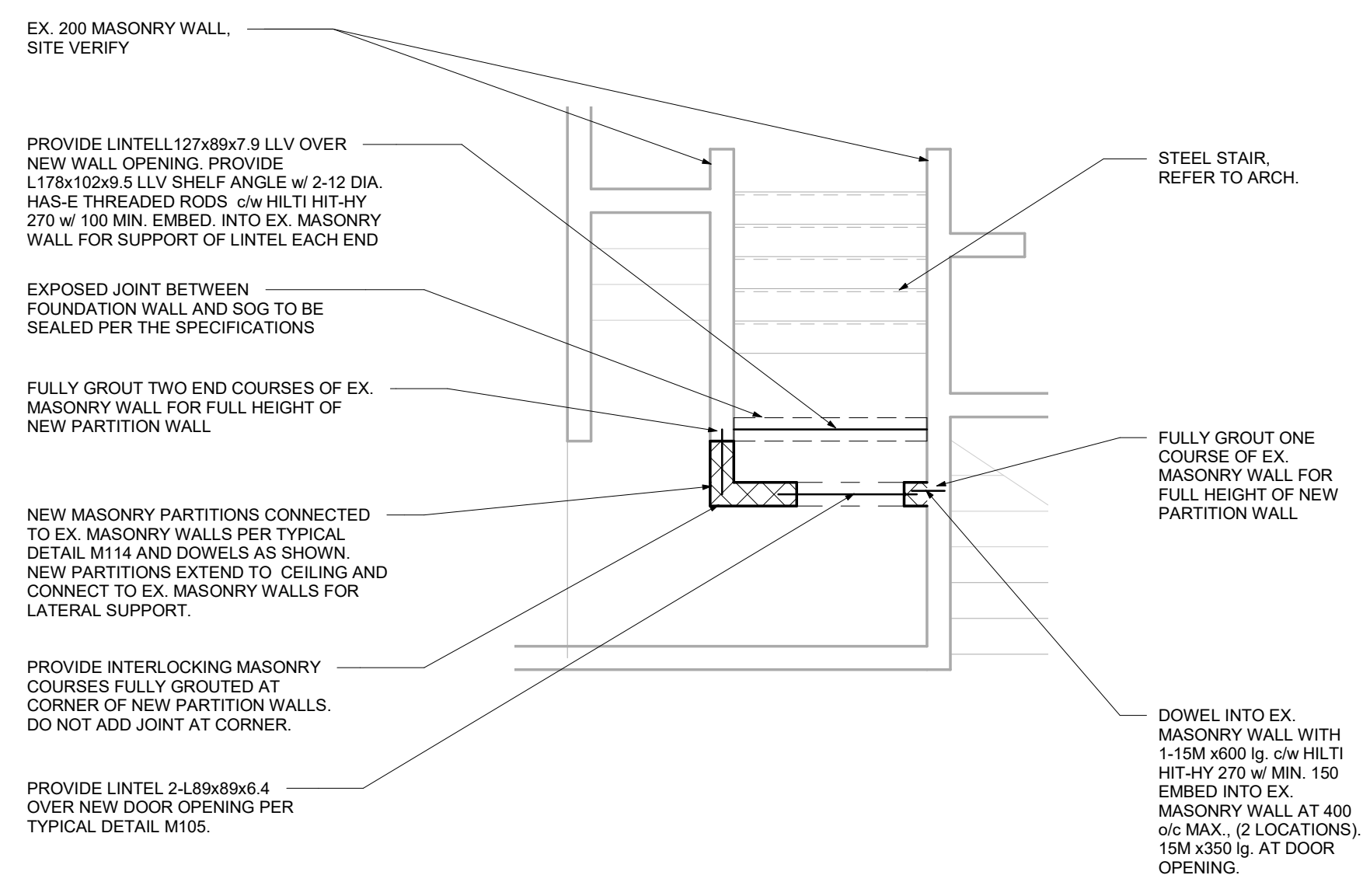
S002



No.	ISSUANCE	DATE
1	ISSUED FOR 90% OWNER REVIEW	2024.02.26
2	ISSUED FOR BID AND PERMIT	2024.03.13

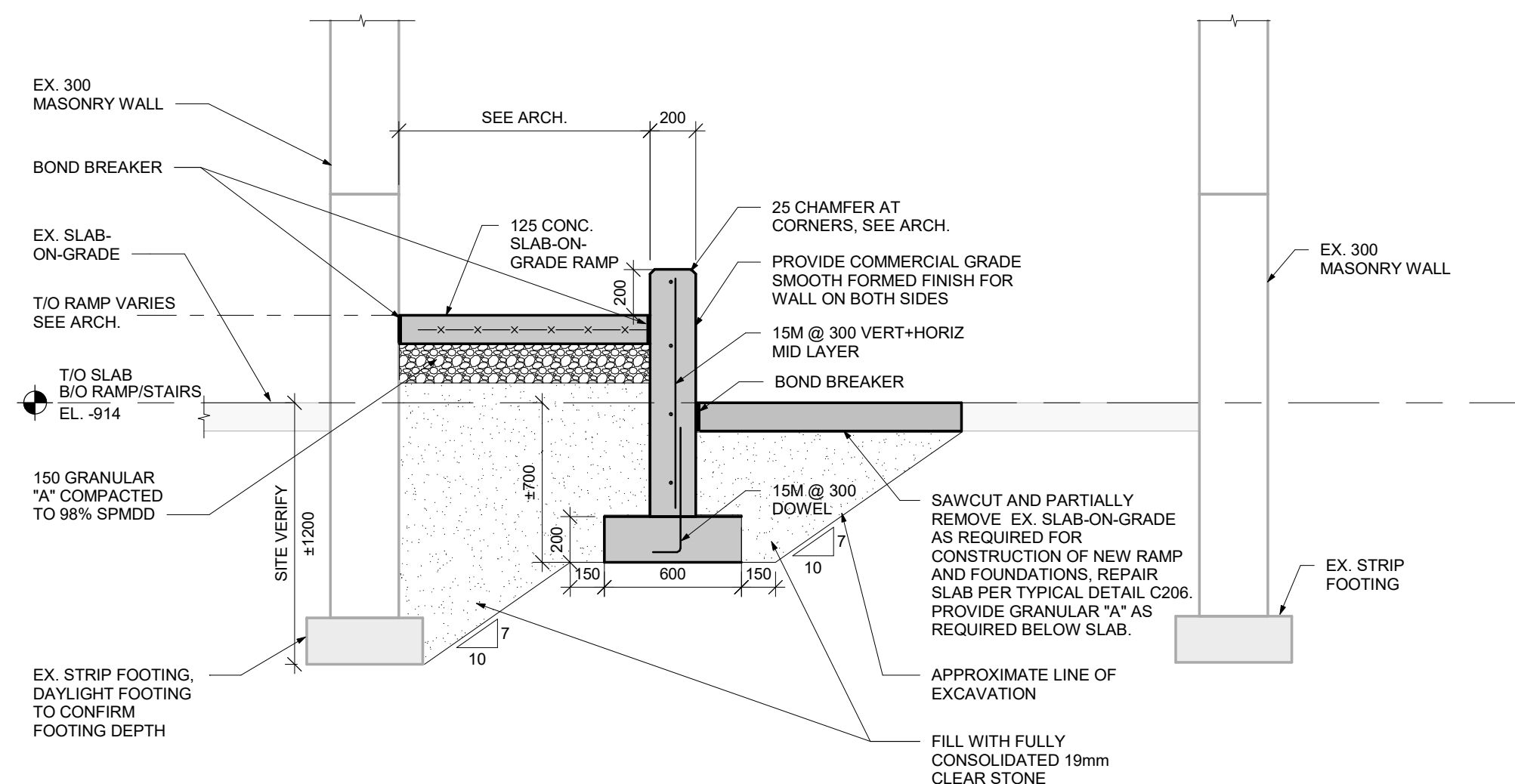


2 ENLARGED PLAN
S201 1 : 50

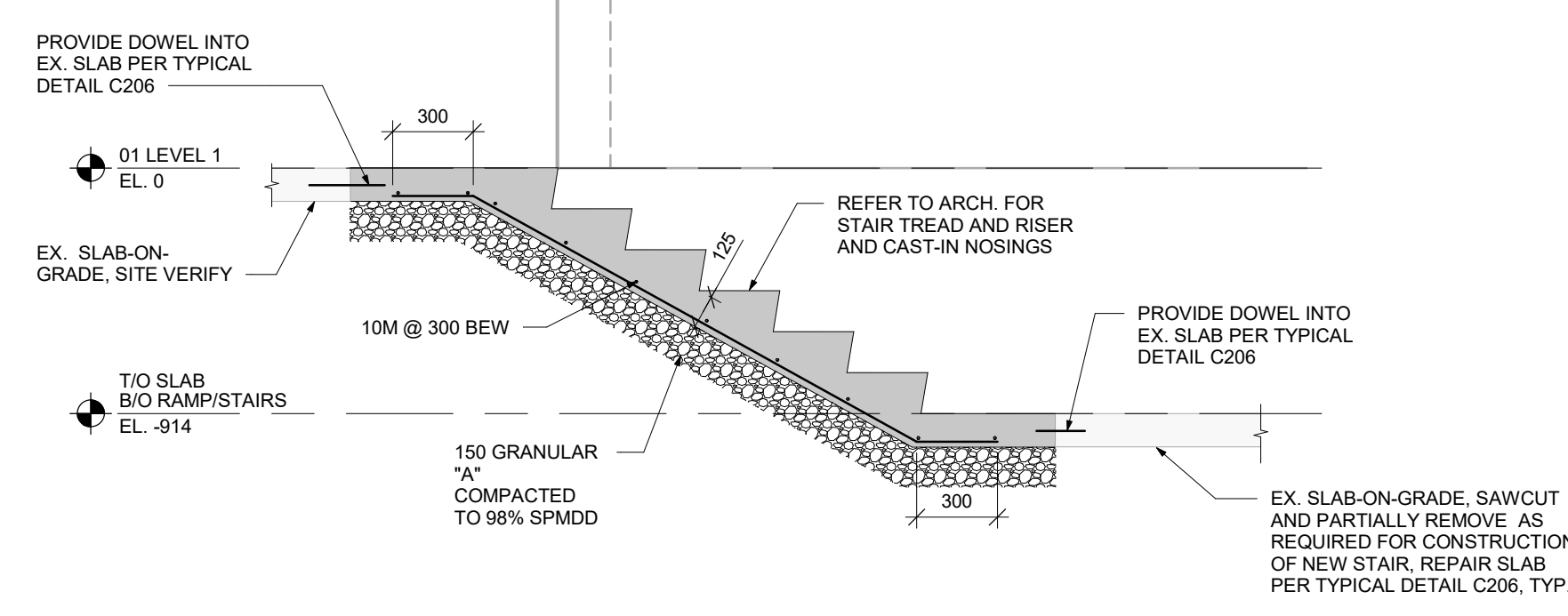


1 PARTIAL GROUND FLOOR PLAN
S201 1 : 100

- PLAN NOTES:
- TOP OF EXISTING SLAB ON GRADE AS NOTED ON PLAN TO BE SITE VERIFIED.
 - REFER TO ARCHITECTURAL DRAWINGS FOR RAMP AND STAIR DIMENSIONS AND EXTENTS OF SLAB-ON-GRADE DEMOLITION.
 - REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATIONS OF NEW OPENINGS IN EX. MASONRY WALLS.
 - DO NOT UNDERMINE EXISTING FOUNDATIONS AND SLABS.
 - PROVIDE REINFORCING FOR NEW MASONRY PARTITIONS PER THE NON-LOAD BEARING MASONRY WALL REINFORCING TABLE AND TYPICAL DETAILS.



3 SECTION
S201 1 : 25



4 SECTION
S201 1 : 25

CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

51 ARDELT AVE, KITCHENER, ON N2C 2R5

PROJECT

PRESTON HIGH PS - RAMP AND WASHROOM RENOVATIONS

550 Rose St. Cambridge, ON N3H 2E6

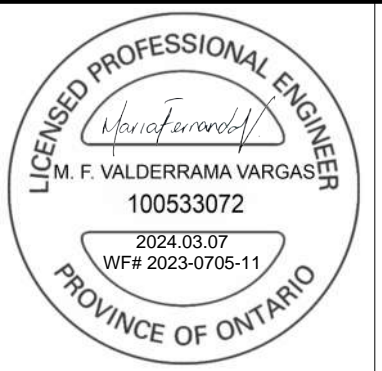
TITLE

PARTIAL GROUND FLOOR PLAN AND SECTIONS

WALTERFEDY

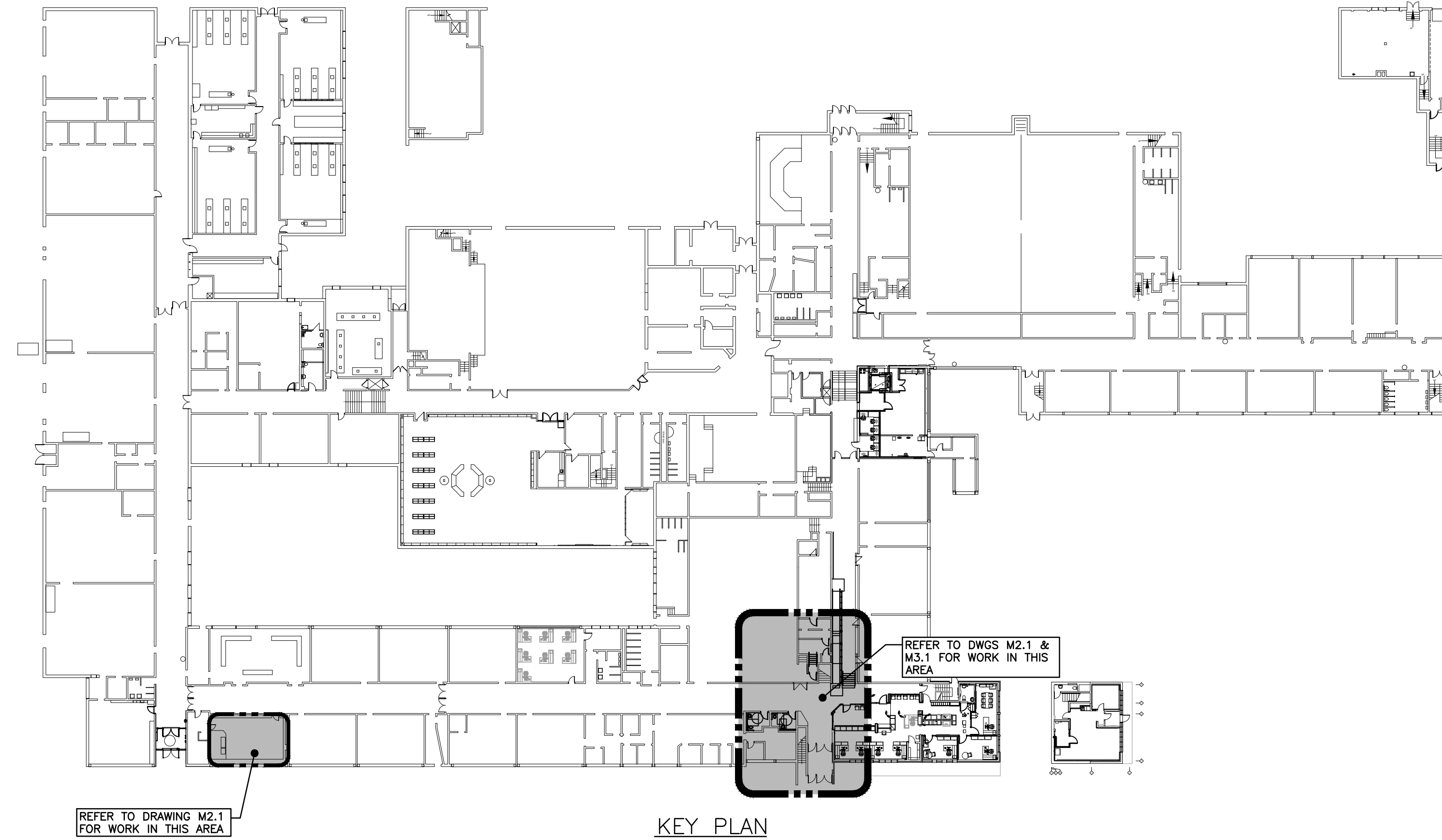
KITCHENER | HAMILTON | TORONTO

800.685.1378 walterfedy.com



REPRODUCTION OR DISTRIBUTION FOR PURPOSES OTHER THAN AUTHORIZED BY WALTERFEDY 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. DO NOT SCALE THIS DRAWING.

SCALE:	As Indicated	WalterFedy Inc.
DATE:	02/09/2024	SHEET NO.:
WRDSB PROJECT NO.:	23-7377-RFT	S201
PROJECT NO.:	2023-0705-10	
DRAWN BY:	TA/DM	
CHECKED BY:	MV	



KEY PLAN
SCALE: N.T.S.

MECHANICAL LEGEND			
Item	Description	Item	Description
	CUT EXISTING & CONNECT NEW PIPING		HEATING WATER SUPPLY PIPING
	FLOW DIRECTION		HEATING WATER RETURN PIPING
	DOMESTIC COLD WATER PIPING		FLOOR DRAIN
	DOMESTIC HOT WATER PIPING		TRAP PRIMER
	DOMESTIC HOT WATER RECIRC. PIPING		TEE CONNECTION
	EXISTING SANITARY PIPING ABOVE FLOOR		PIPE DOWN
	EXISTING SANITARY PIPING BELOW FLOOR		PIPE UP
	SANITARY PIPING ABOVE FLOOR		FLOOR CLEANOUT
	SANITARY PIPING BELOW FLOOR		REDUCER/INCREASER
	EXISTING STORM PIPING ABOVE FLOOR		CHECK VALVE
	EXISTING STORM PIPING BELOW FLOOR		UNION
	SPRINKLER PIPING		STRAINER
	FIRE DAMPER		DRAIN (SCHEMATICS)
	COMBINATION FIRE/SMOKE DAMPER		SCREWED OR WELDED PIPE CAP
	SMOKE DAMPER		RISER VALVE
	THERMOSTAT (WITH OR WITHOUT GUARD)		BALANCING VALVE
	CARBON DIOXIDE (CO2) SENSOR (WITH OR WITHOUT GUARD)		TEMPERATURE CONTROL VALVE
	BALANCING DAMPER		BALL VALVE
	RETURN IN CABINET		OPPOSED BLADE DAMPER
	ABOVE FINISHED FLOOR		ACCESS DOOR
	ABOVE FINISHED ROOF		DIFFUSER/GRILLE SIZE (imp), TYPE & CAPACITY (cfm)
	CONNECT TO EXISTING		HYDRONIC HEATING SIZE, TYPE & CAPACITY
			EXISTING DUCT (SIZE AS INDICATED)
			RIGID ROUND DUCT



No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2024-03-13

No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2024-03-13

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2024 DEI Consulting Engineers Inc.

PLUMBING FIXTURE SCHEDULE										
Item	Type	Connection Sizes				Acceptable Manufacturer	Fixture Description	Acceptable Manufacturer	Trim Description	Accessories Description
		HW	CW	TW	Drain					
WC-1	BARRIER FREE WATER CLOSET FLUSH VALVE, 16" HIGH (HANDS-FREE)	25		80	40	AMERICAN STANDARD MADERA 3043.001 KOHLER HIGHCREST K-4302 ZURN	BARRIER FREE, 16" TALL TO RIM, VITREOUS CHINA, SIPHON JET, ELONGATED RIM, TOP SPUD FOR FLUSH VALVE, BOLT CAP, BOTTOM OUTLET, FLOOR-MOUNTED, 10" OR 12" ROUGH-IN, MIN 2" TRAP WAY, MAXIMUM 6 litres (1.6 gal) PER FLUSH.	DELTA 81T201-WMSHWA MOEN COMMERCIAL SLOAN	EXPOSED, POLISHED CHROME PLATTED, DIAPHRAGM TYPE FLUSH VALVE WITH 25MM (1") SCREWDRIVER ANGLE STOP, MOTORIZED ACTUATOR, AUTOMATIC SENSOR WITH MANUAL PUSH BUTTON OVERRIDE, VACUUM BREAKER ADJUSTABLE TAIL PIECE, AUTOMATIC 8 HR COURTESY FLUSH, RECESSED WALL MOUNTED SENSOR BOX, FLUSH CONNECTION & COUPLING FOR 40MM (1 1/2") TOP SPUD, WALL AND SPUD ESCUTCHEONS, HARDWIRED OPERATED POWER CONVERTOR, SENSOR BOX C/W COVER, VANDAL RESISTANT SCREWS, FLUSH CYCLE SET FOR 6.0 LITRES (1.6 GAL) PER FLUSH (NON-ADJUSTABLE).	SEAT: BLACK, ELONGATED, OPEN FRONT LESS COVER, MOLDED SOLID ANTIMICROBIAL PLASTIC, STAINLESS STEEL CHECK HINGES, STAINLESS STEEL OR SOLID BRASS INSERT POST. REFER TO ARCHITECTURAL DOCUMENTS FOR VERTICAL BACKREST. MIN. 1000 MAP PERFORMANCE.
L-1	B.F. WALL HUNG LAV (HANDS-FREE)	15	15	32	32	AMERICAN STANDARD MURRO 0854.004EC KOHLER BRENHAM K-1997 ZURN	WALL-HUNG SINK, VITREOUS CHINA, WITH SPLASH LIP, SUPPLY OPENINGS ON 100 MM (4") CENTRES, OVERFLOW. SIZE: 521 MM X 464 MM (21 7/8" X 17 3/4").	DELTA 591T0230 MOEN COMMERCIAL SLOAN	HARDWIRED ELECTRONIC FAUCET, CAST BRASS ONE PIECE BODY WITH INTEGRAL WATER PROOF INFRA-RED SENSOR AND CONNECTOR, ADJUSTABLE SENSING RANGE 76MM TO 381MM (3" TO 15") AND TIME OUT 15 TO 75 SECONDS CHROME FINISH. VANDAL RESISTANT AERATOR HAVING INTEGRAL FLOW CONTROL FOR 1.5GPM (5.7 L/MIN) @ 413 KPA (60 PSI) MAX. SENSOR ACTIVATES IN PRESENCE OF PERSON'S HANDS IN LAVATORY. C/W PLUG-IN TRANSFORMER. MECHANICAL MIXING VALVE (SET TO 105°F) IN RECESSED CONTROL BOX #591T	WASTE FITTING: NPS 32 MM (1 1/4") OFFSET WASTE WITH OPEN GRID STRAINER. PROVIDE FLOOR MOUNTED WALL CARRIER PROVIDE SHROUD/KNEE CONTACT GUARD THERMOSTATIC MIXING VALVE UNDER LAV. DELTA R3070-MIXLF, POWERS LM490 OR EQUAL.
FD-1	FLOOR DRAIN			NOTED	40	ZURN ZN415B MIFAB FT100-C WATTS FD-100-C-A SMITH	GENERAL DUTY CAST IRON BODY, ADJUSTABLE HEAD, NICKEL BRONZE STRAINER, INTEGRAL SEEPAGE PAN, AND CLAMPING COLLAR. USE SQUARE STRAINER IN TILED AREAS AND ROUND STRAINER ELSEWHERE. C/W TRAP PRIMER			

GRILLE SCHEDULE				
Item	Type	Manufacturer & Model	Finish	Remarks
R1	CEILING RETURN/EXHAUST	KRUEGER S580	BRITISH WHITE	ALUMINUM, C/W SCREWED FASTENING, 1/2" BLADE SPACING, FIXED DEFLECTION

GENERAL NOTES

- ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PREPARED SPECIFICATION.
- UPON COMPLETION OF THE PROJECT OR UPON COMPLETION OF EACH INDIVIDUAL PHASE OF THE PROJECT THE CONTRACTORS SHALL PROVIDE THE FOLLOWING CERTIFICATES BEFORE CONFORMANCE LETTERS ARE ISSUED BY THE CONSULTANT:
 - POTABLE WATER TEST (SEE SPEC 22 11 16 PART 3)
 - NFPA-13 SPRINKLER CONTRACTOR'S MATERIAL & TEST CERTIFICATE
 - FIRE PROTECTION ENGINEER'S INSPECTION/CONFORMANCE LETTER

ALL CERTIFICATES ARE TO BE SUBMITTED TOGETHER IN A SINGLE PACKAGE.



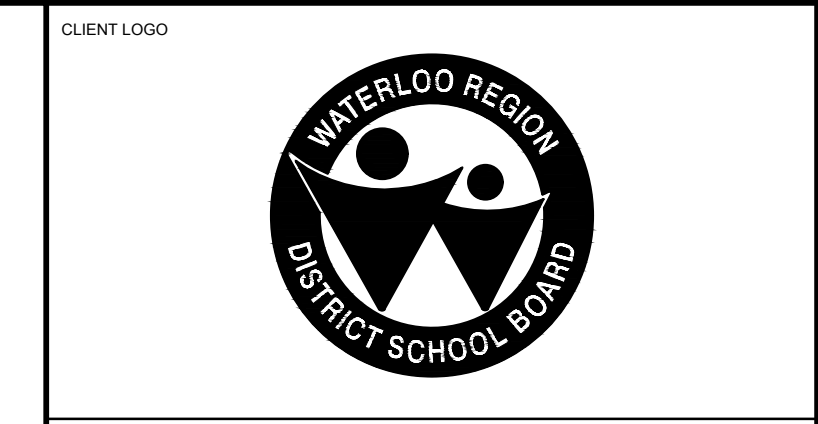
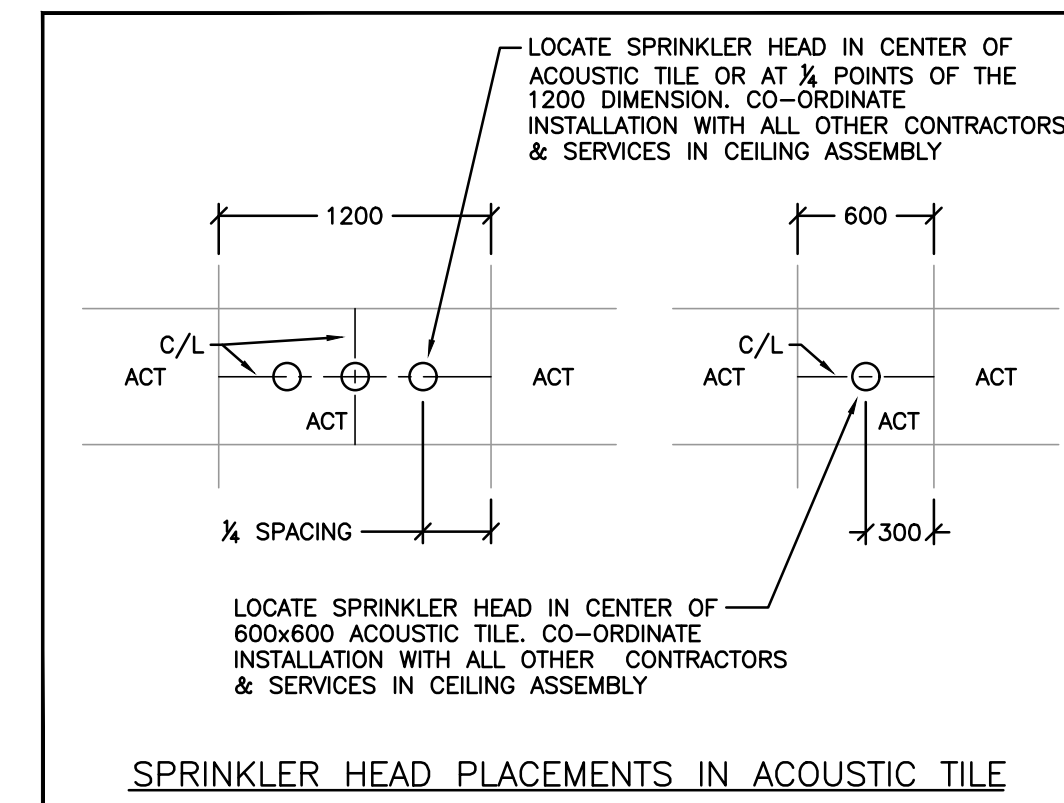
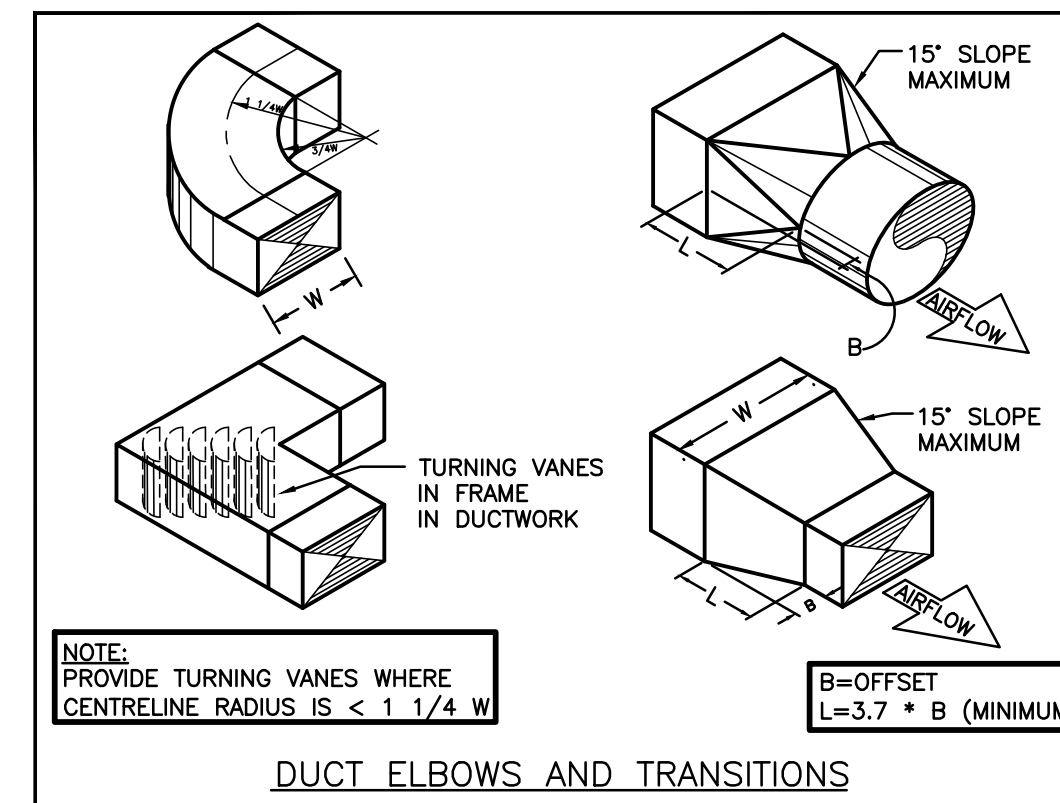
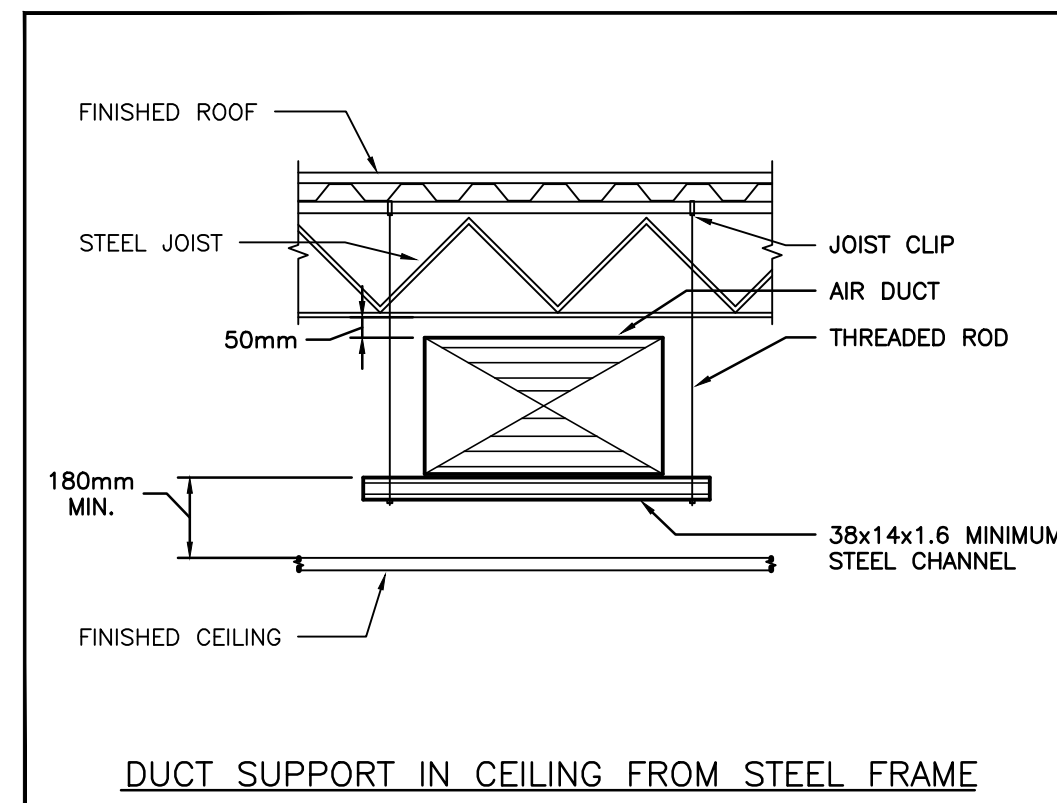
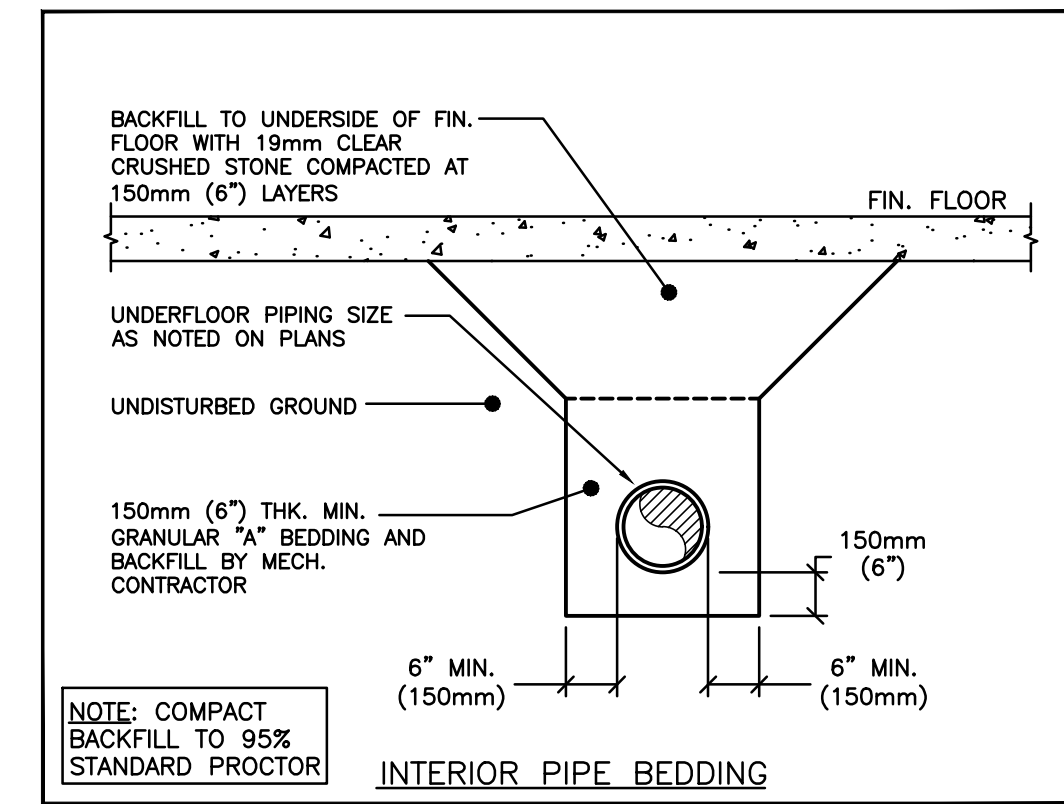
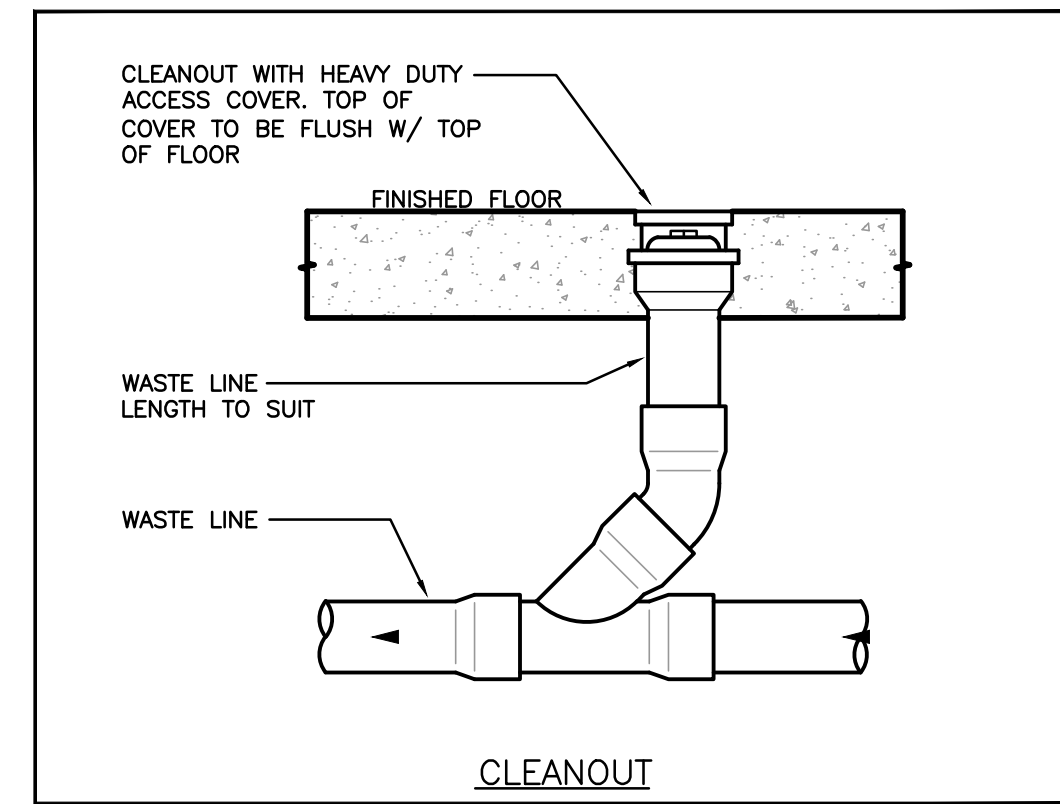
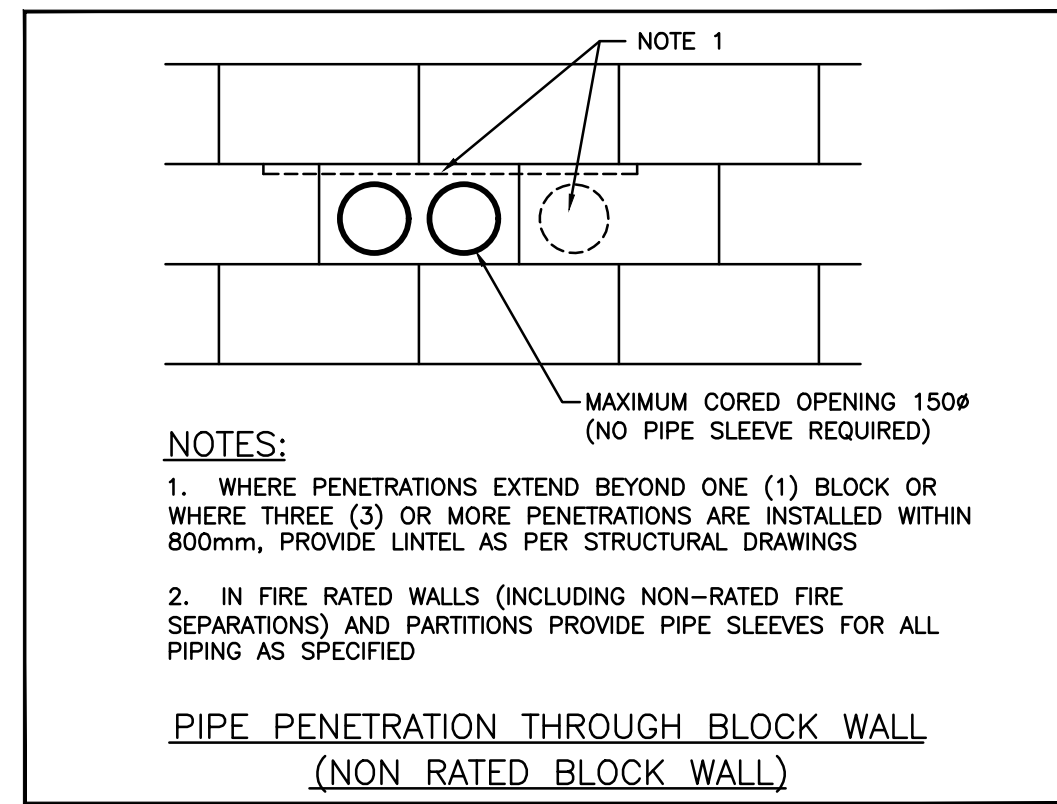
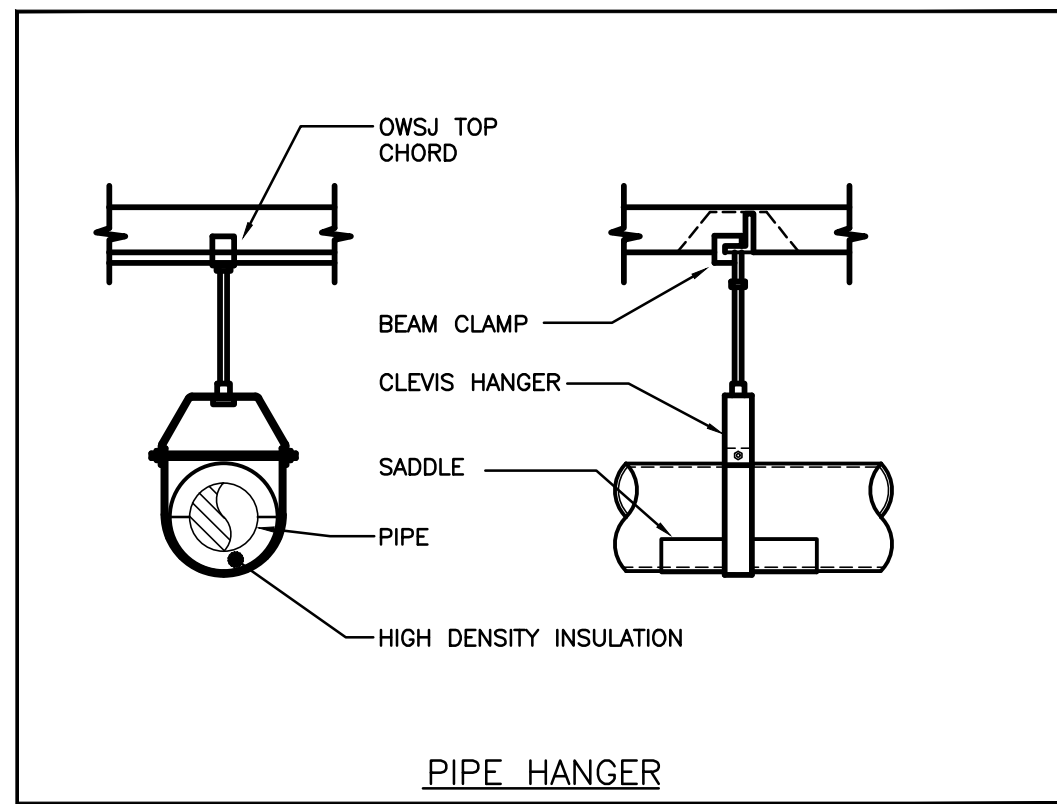
WATERLOO REGION DISTRICT SCHOOL BOARD
51 Ardelt Ave, Kitchener, ON N2C 2R5

PRESTON HS - RAMP AND WASHROOM RENOVATIONS
550 Rose St. Cambridge, ON N3H 2E6

KEY PLAN, LEGEND & SCHEDULES



SCALE :	As indicated	SHEET NO :	M1.1
DATE :	2024-01-30		
PROJECT NO :	2023-0705-11		
DRAWN BY :	AP		
CHECKED BY :	SO		



CLIENT LOGO

KEYPLAN

No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2024-03-13

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2024 DEI Consulting Engineers Inc.

DEI
Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC

55 Northland Road,
Waterloo, ON N2H 2Y9
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 23198

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

PROJECT
PRESTON HS - RAMP AND WASHROOM RENOVATIONS
550 Rose St. Cambridge, ON N3H 2E6

TITLE
DETAILS

WALTERFEDY
KITCHENER | HAMILTON | TORONTO
800.685.1378 walterfedy.com



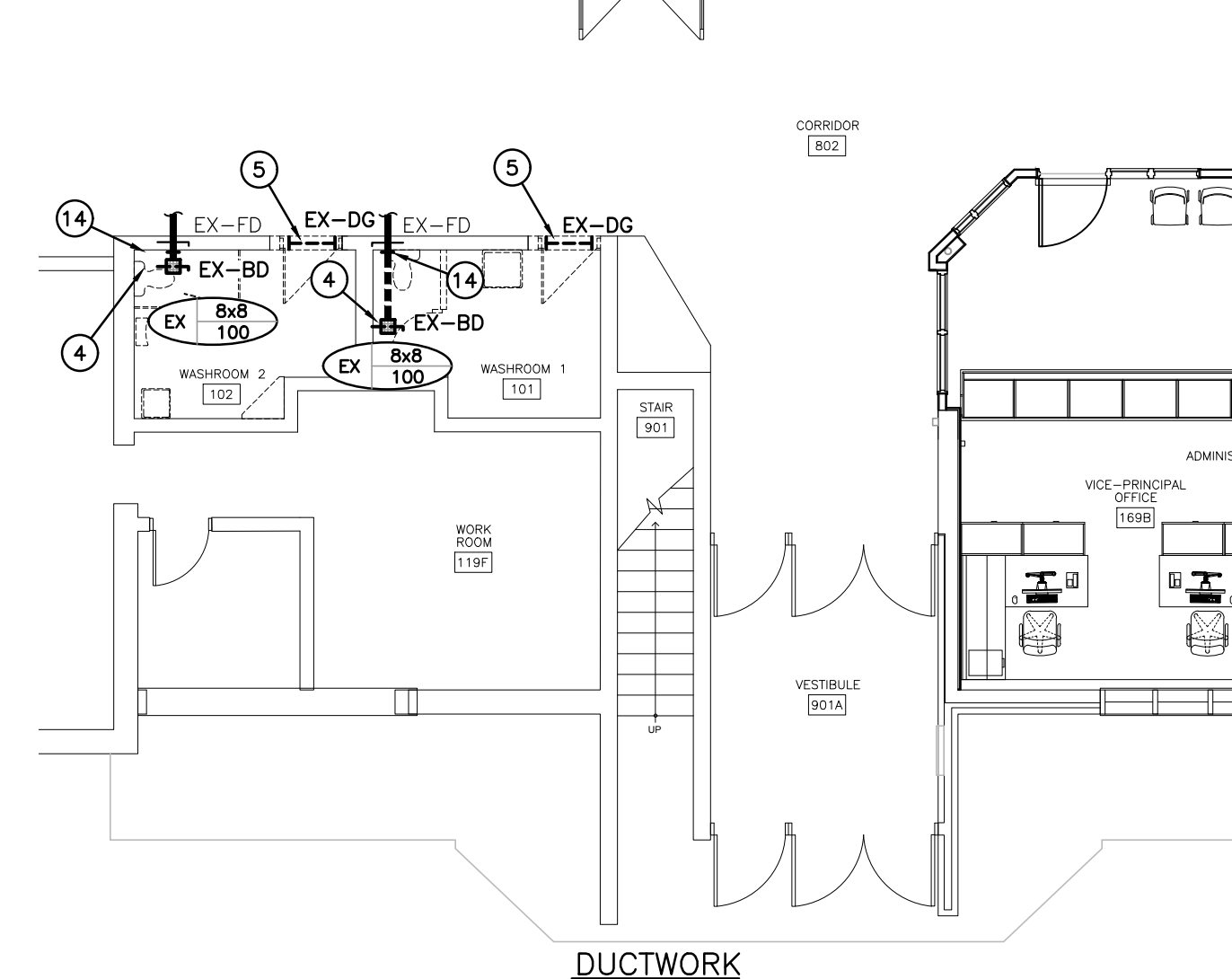
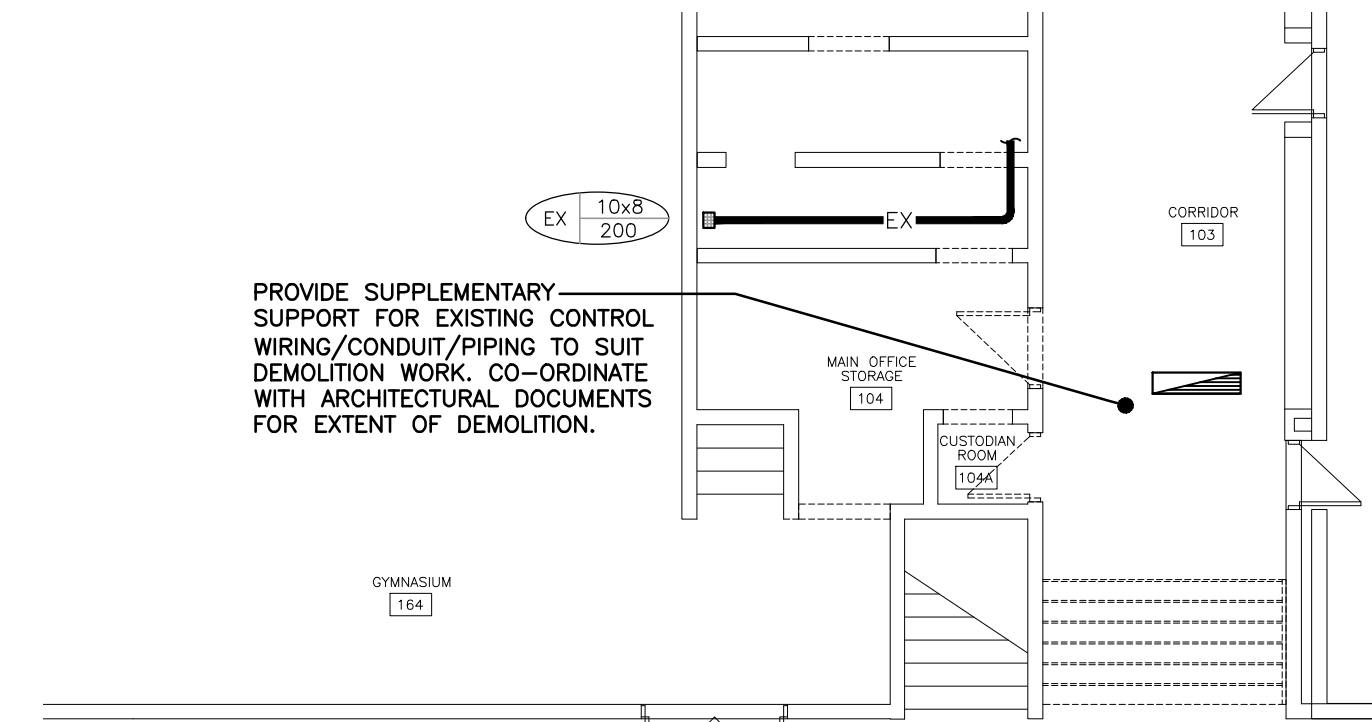
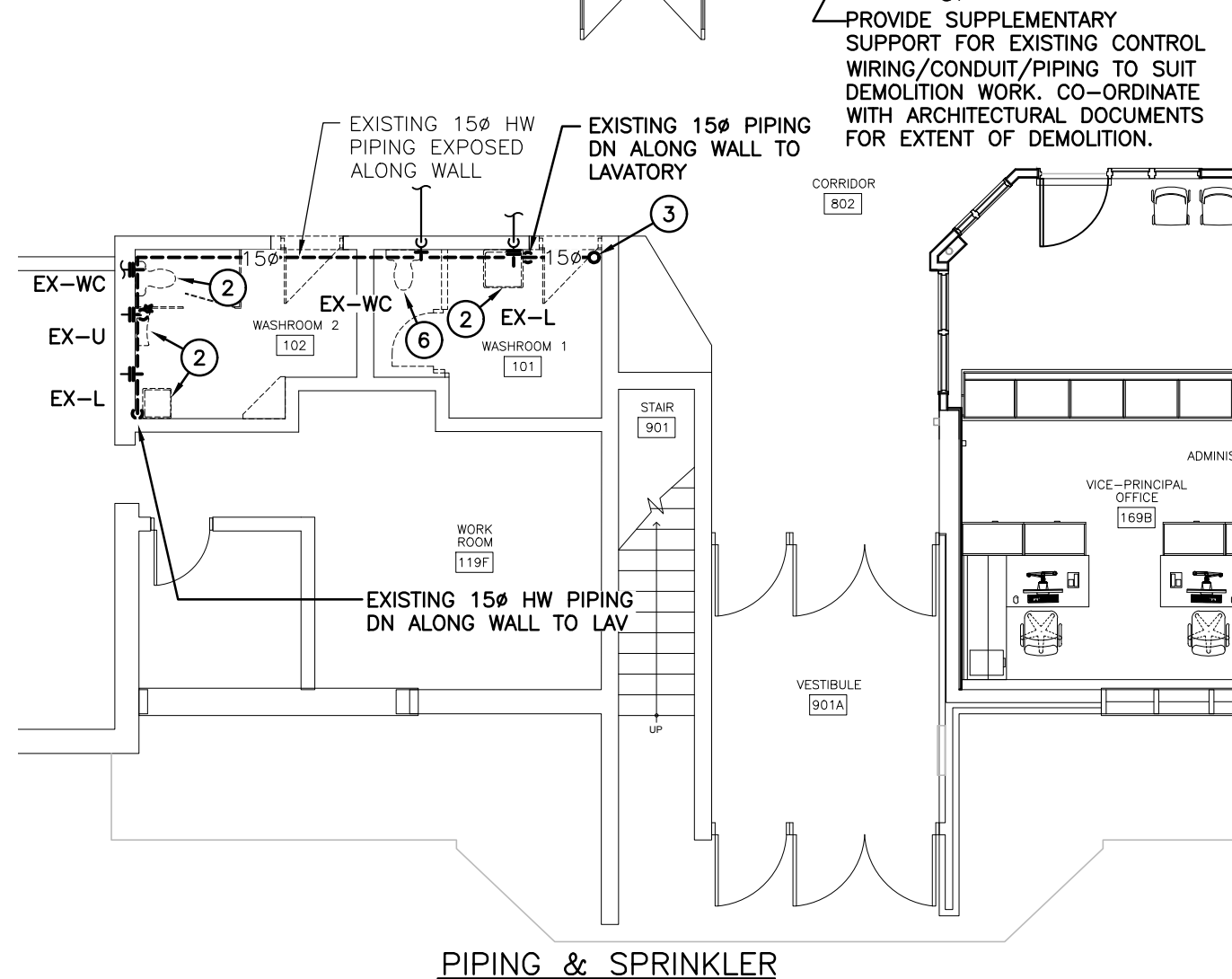
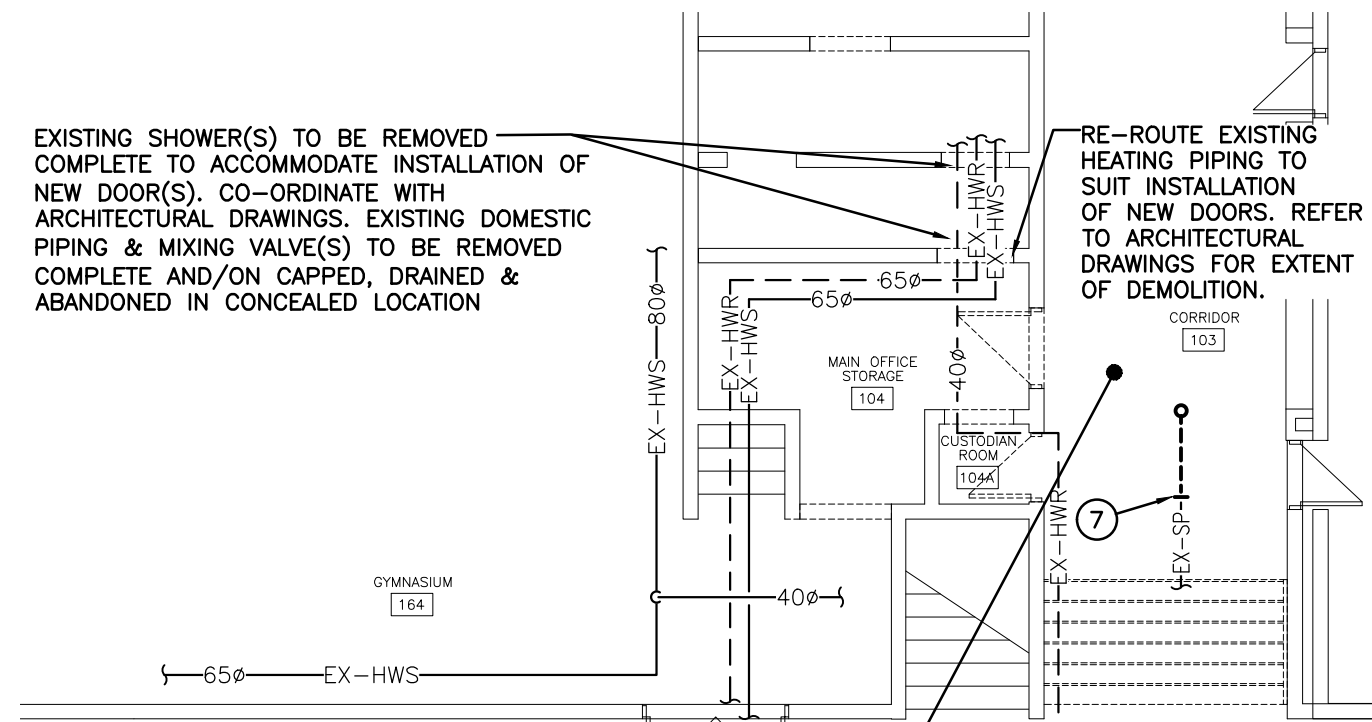
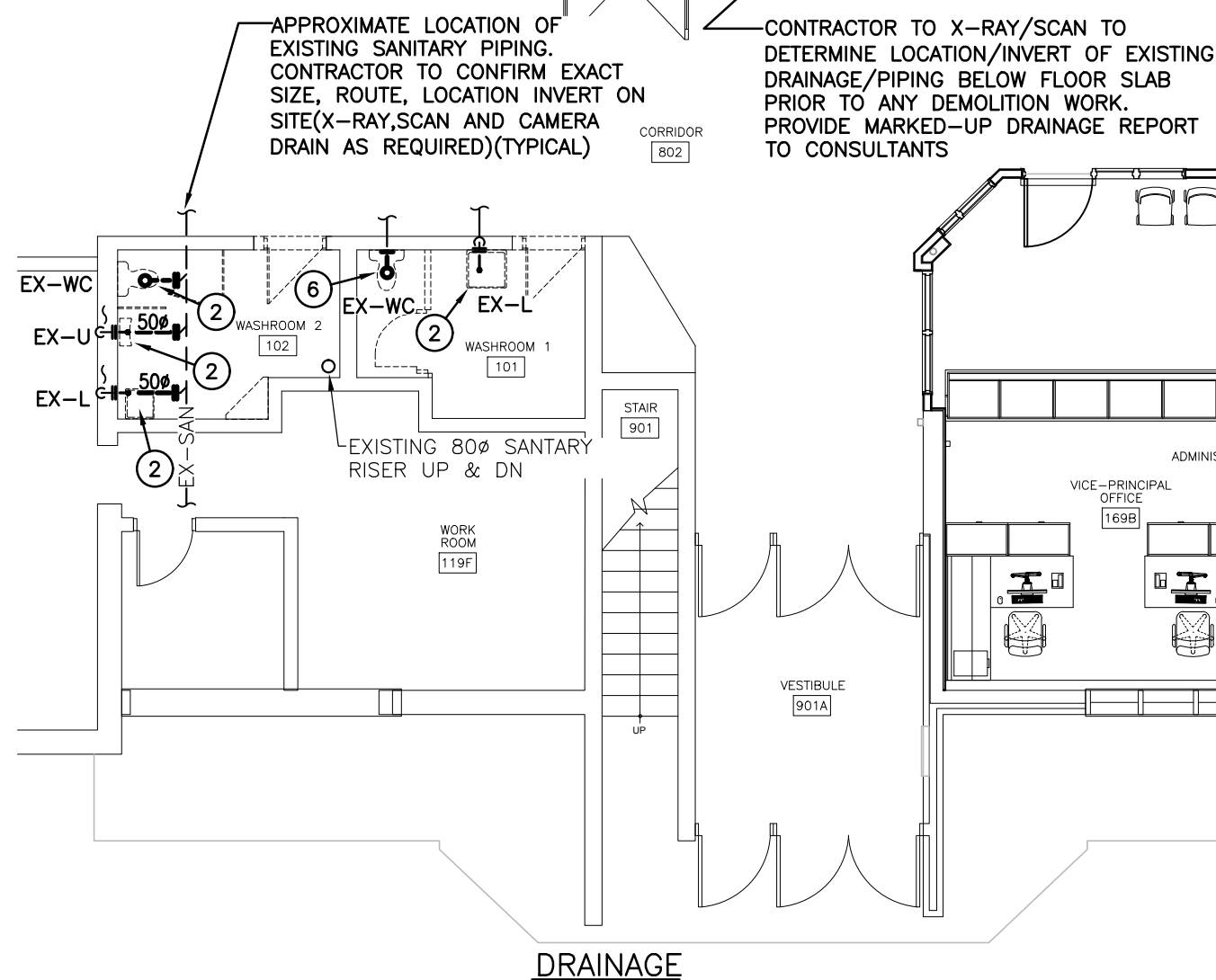
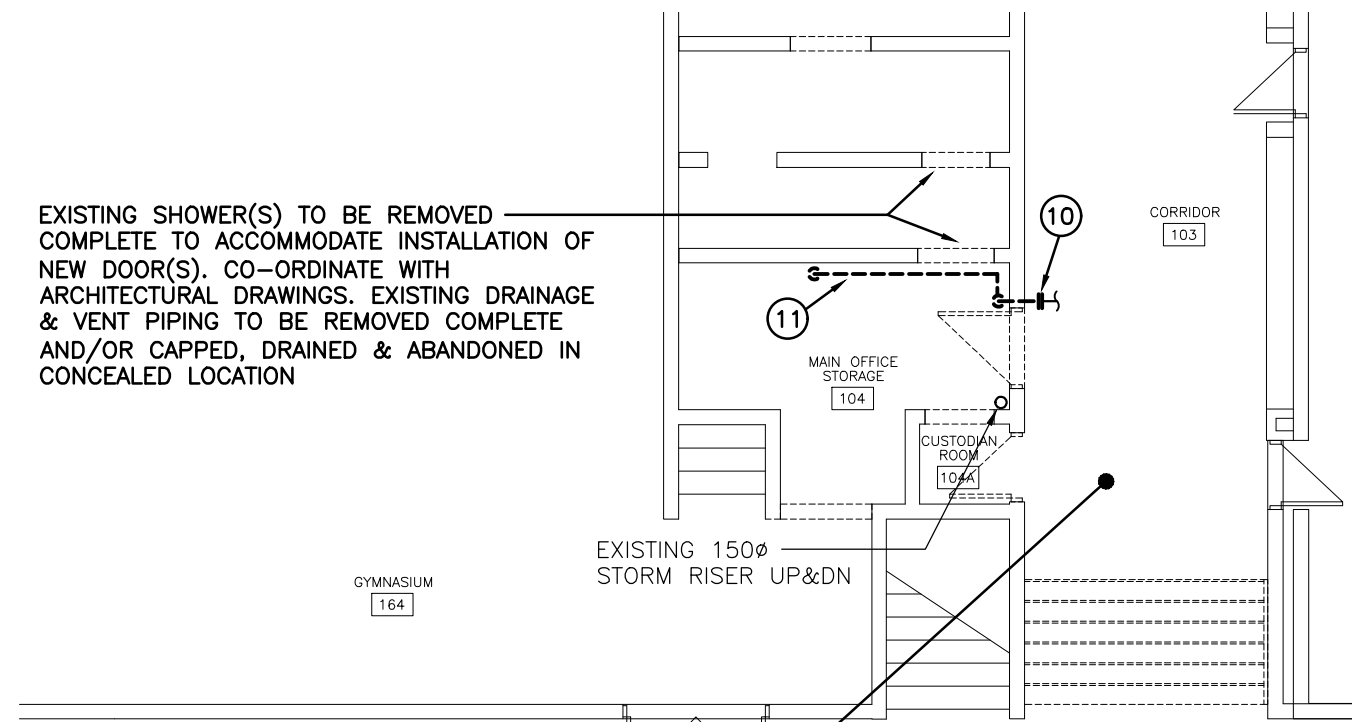
SCALE : As indicated	SHEET NO :
DATE : 2024-01-30	M1.2
PROJECT NO : 2023-0705-11	
DRAWN BY : AP	
CHECKED BY : SO	

GENERAL DEMOLITION NOTES

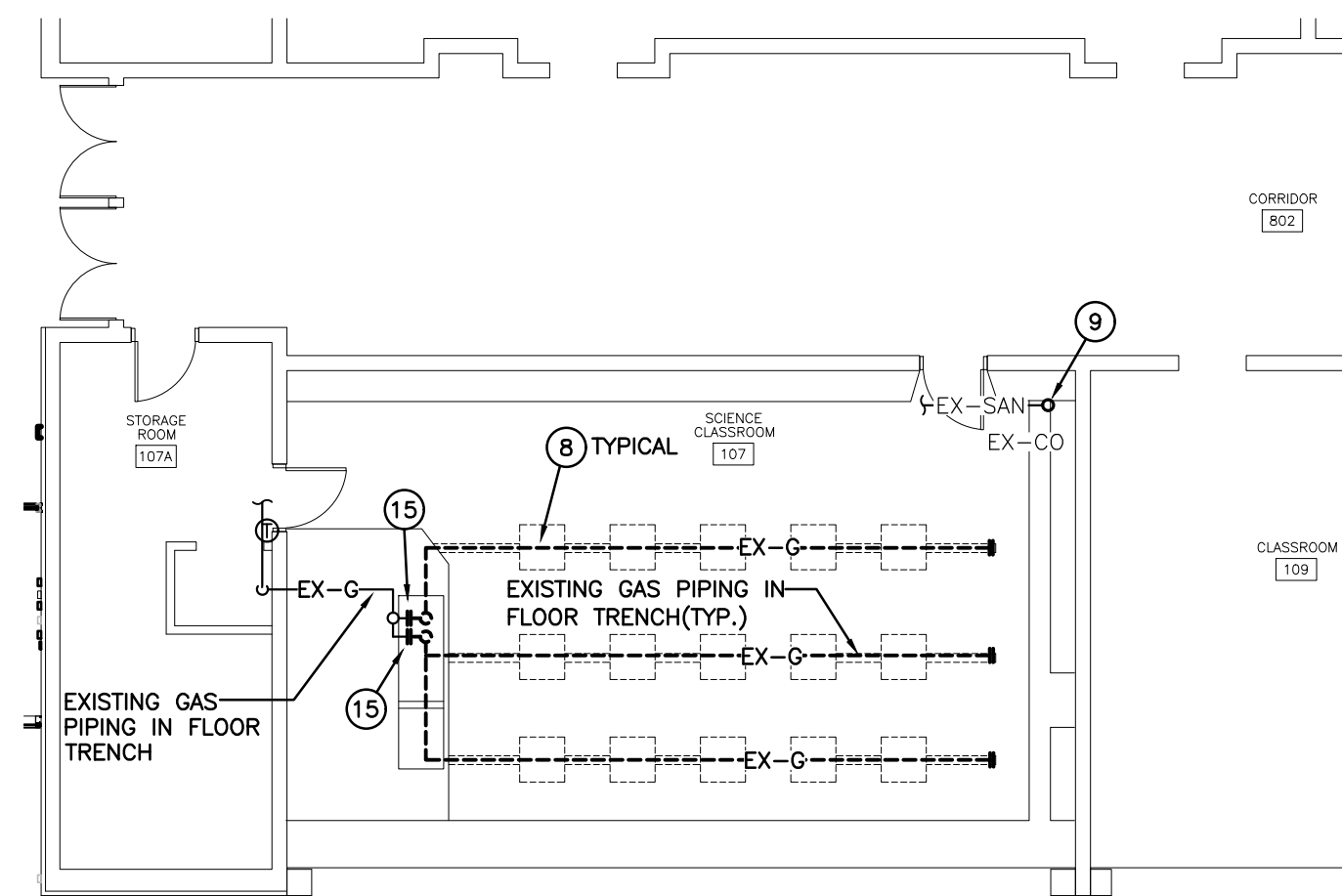
- EXISTING MECHANICAL ITEMS NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- EXISTING MECHANICAL ITEMS SHOWN BUT NOT NOTED AS BEING REMOVED OR RENOVATED SHALL REMAIN AS PRESENTLY INSTALLED AND OPERATING.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ON SITE ALL LOCATIONS AND SIZES OF ALL SERVICES & EQUIPMENT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL OPENINGS THAT RESULT FROM THE REMOVAL OF EQUIPMENT OR SERVICES SHALL BE NEATLY PATCHED WITH SUITABLE NEW MATERIALS TO SUIT EXISTING CONSTRUCTION.
- PLUMBING VENTS ARE NOT INDICATED OR IDENTIFIED. REMOVE ALL REDUNDANT VENTS WHILE MAINTAINING INTEGRITY OF EXISTING SYSTEMS TO REMAIN.
- REMOVAL OF EXISTING PIPING, OR DUCT SYSTEMS INCLUDES REMOVAL OF ALL HANGERS, INSULATION, FITTINGS, ETC.
- MAINTAIN INTEGRITY OF EXISTING SYSTEMS THAT ARE TO REMAIN OR BE MODIFIED.
- INSTALL NEW SYSTEM OR SERVICES WHERE REQUIRED TO MAINTAIN SYSTEM OPERATION PRIOR TO DEMOLITION OF EXISTING SERVICES.
- THIS CONTRACTOR IS TO REMOVE & REPLACE CEILING AS REQUIRED FOR REMOVAL/REPLACEMENT OF SERVICES.
- CONTRACTOR TO CARRY IN THEIR PRICING TO COMPLETE WORK

SPECIFIC DEMOLITION NOTES

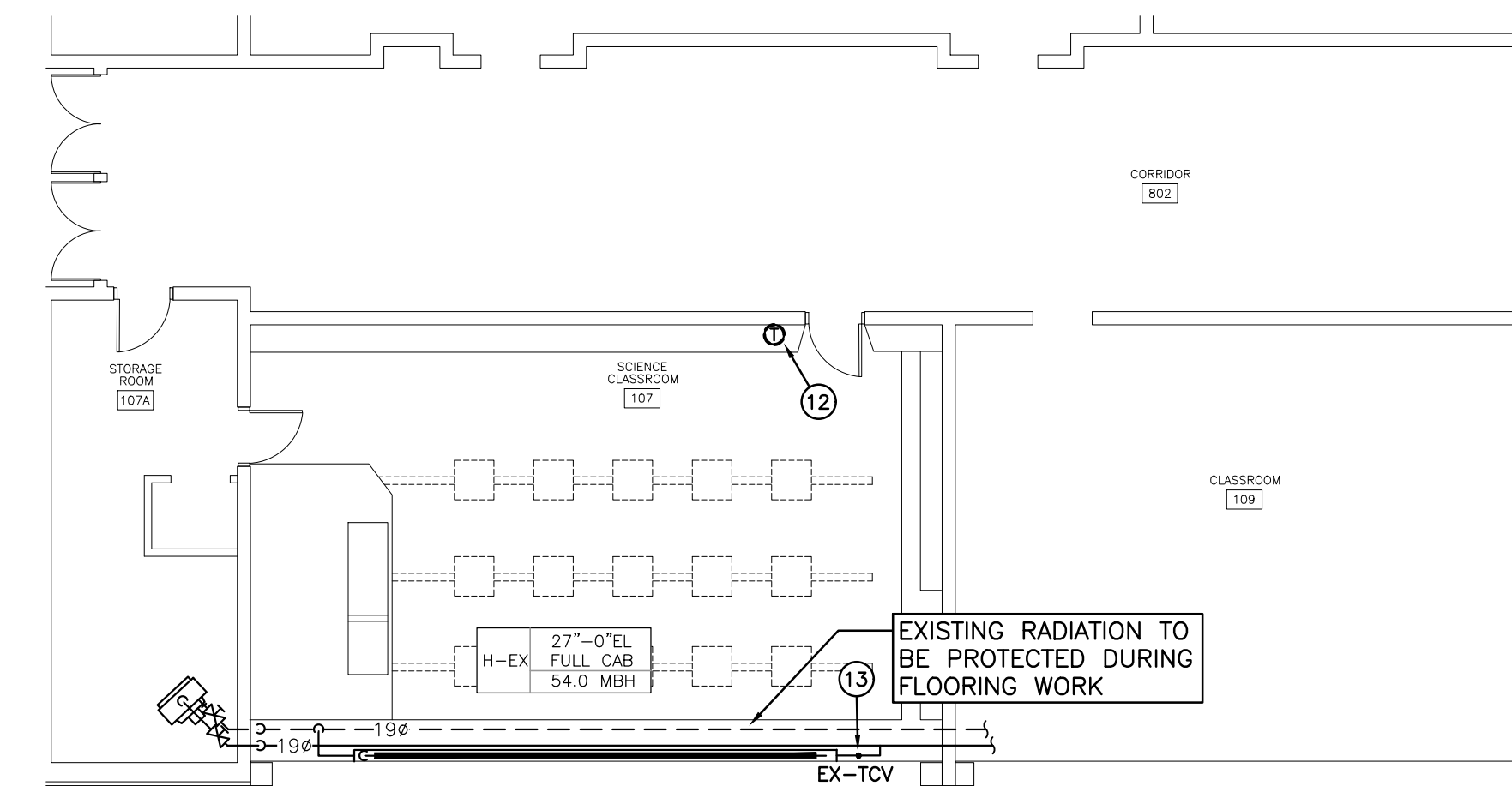
- EXISTING DOMESTIC PIPING TO BE CUT AND REMOVED BEYOND COMPLETE.
- EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE. EXISTING DOMESTIC/SANITARY/VENTING TO BE CUT & CAPPED IN WALL/BELOW FLOOR AND REMOVED BEYOND COMPLETE.
- EXISTING DOMESTIC PIPING TO BE CUT ON RISER AND REMOVE BEYOND COMPLETE.
- EXISTING GRILLE TO BE REMOVED COMPLETE.
- EXISTING DOOR GRILLE TO BE REMOVED COMPLETE.
- EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE. EXISTING SANITARY/DOMESTIC/VENTING PIPING TO BE CUT AND REMOVED BEYOND COMPLETE. PREPARE PIPING FOR RE-CONNECTION TO NEW.
- EXISTING SPRINKLER PIPING TO BE CUT AND RE-ROUTED TO AVOID EXISTING DUCT BRANCH. MAINTAIN MAXIMUM HEIGHT TO ACCOMMODATE NEW RAMP HEADROOM. RELOCATE EXISTING SPRINKLER HEAD TO SUIT.
- EXISTING GAS PIPING AT DESK TO BE REMOVED COMPLETE. CAP IN CONCEALED LOCATION/REMOVE BACK TO SOURCE (TYPICAL ALL STUDENT/TEACHER STATIONS).
- EXISTING CLEANOUT/COVER TO BE TEMPORARILY REMOVED TO ACCOMMODATE NEW FLOORING. RE-INSTALL SAME AFTER FLOORING WORK.
- EXISTING DOMESTIC PIPING TO BE CUT AND REMOVED BEYOND COMPLETE.
- EXISTING PLUMBING FIXTURE TO BE REMOVED COMPLETE. EXISTING SANITARY/VENTING/DOMESTIC PIPING TO BE REMOVED COMPLETE AND/OR CAPPED IN CONCEALED LOCATION/BACK TO SOURCE TO ACCOMMODATE INSTALLATION OF NEW DOOR.
- EXISTING THERMOSTAT TO BE REMOVED COMPLETE. EXISTING PNEUMATIC TUBING TO BE REMOVED BACK TO SOURCE. SOLDER/CRIMP IN CONCEALED LOCATIONS. PROVIDE NEW DDC THERMOSTAT & CONTROL WIRING. FISH EXISTING WALL AS REQUIRED.
- EXISTING ISOLATION, BALANCING AND TEMPERATURE CONTROL VALVES TO BE REMOVED AND REPLACED WITH NEW.
- EXISTING DUCTWORK TO BE CUT & REMOVED BEYOND COMPLETE.
- EXISTING GAS PIPING SERVING STUDENT DESKS TO BE CAPPED AT RISER IN TEACHER'S DESK & REMOVED BEYOND COMPLETE. EXISTING LOCKING GAS VALVES & TEACHER'S DESK GAS TO REMAIN IN CURRENT CONDITION/OPERATION.



GROUND FLOOR PART PLAN 'A' - DEMOLITION
SCALE: 1:100

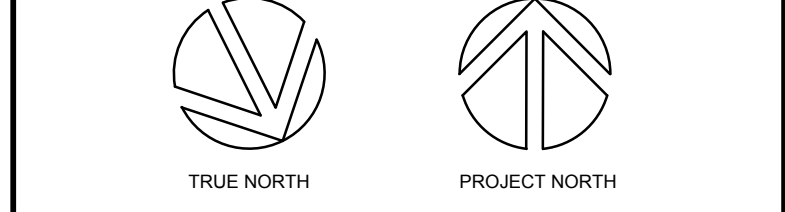
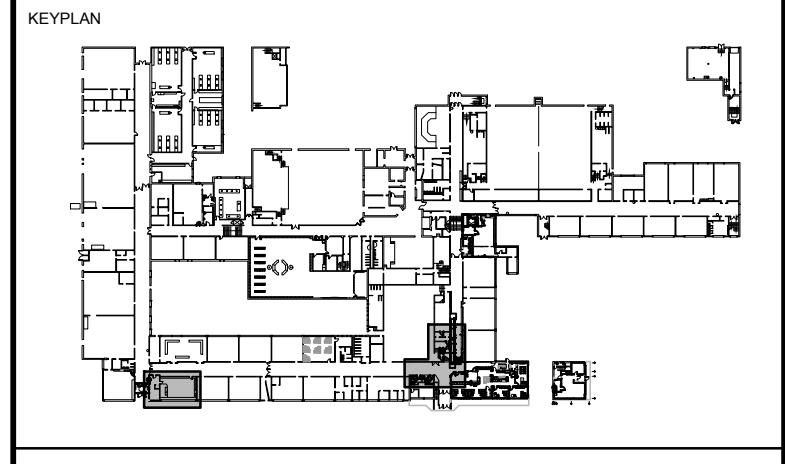
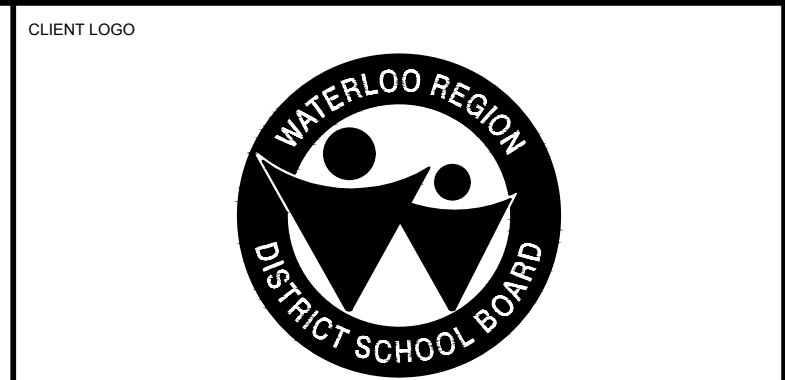


DRAINAGE & PIPING



HEATING

GROUND FLOOR PART PLAN 'B' - DEMOLITION
SCALE: 1:100



No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2024-03-13

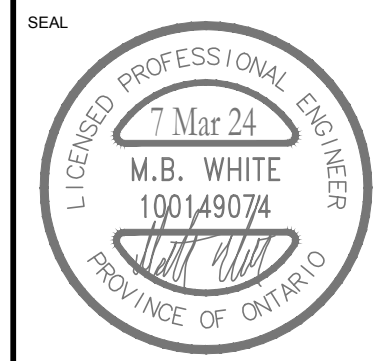
The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2024 DEI Consulting Engineers Inc.



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

PROJECT
PRESTON HS - RAMP AND WASHROOM RENOVATIONS
550 Rose St. Cambridge, ON N3H 2E6

TITLE
GROUND FLOOR PART PLANS 'A' & 'B' - DEMOLITION - DRAINAGE, PIPING, HEATING & DUCTWORK



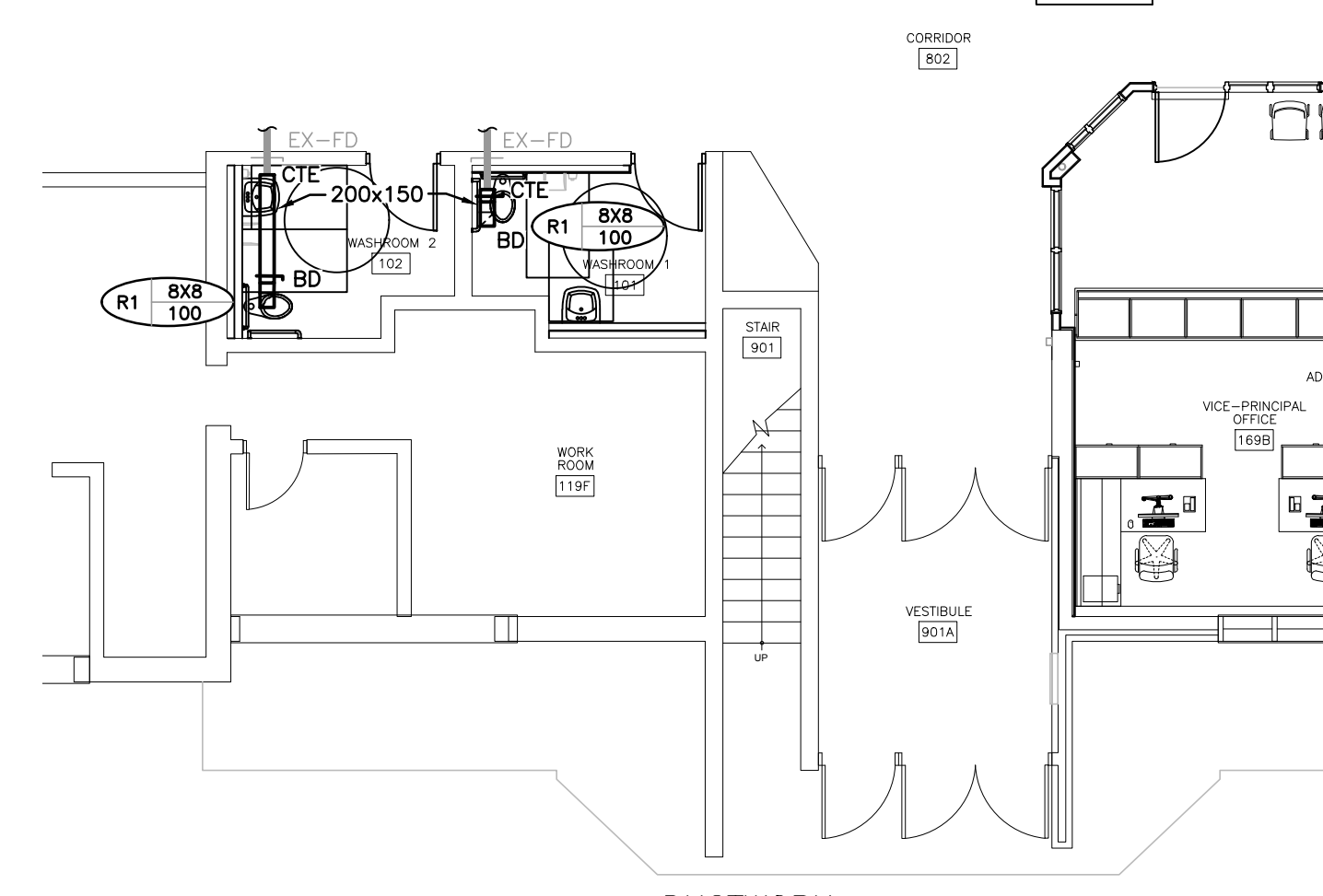
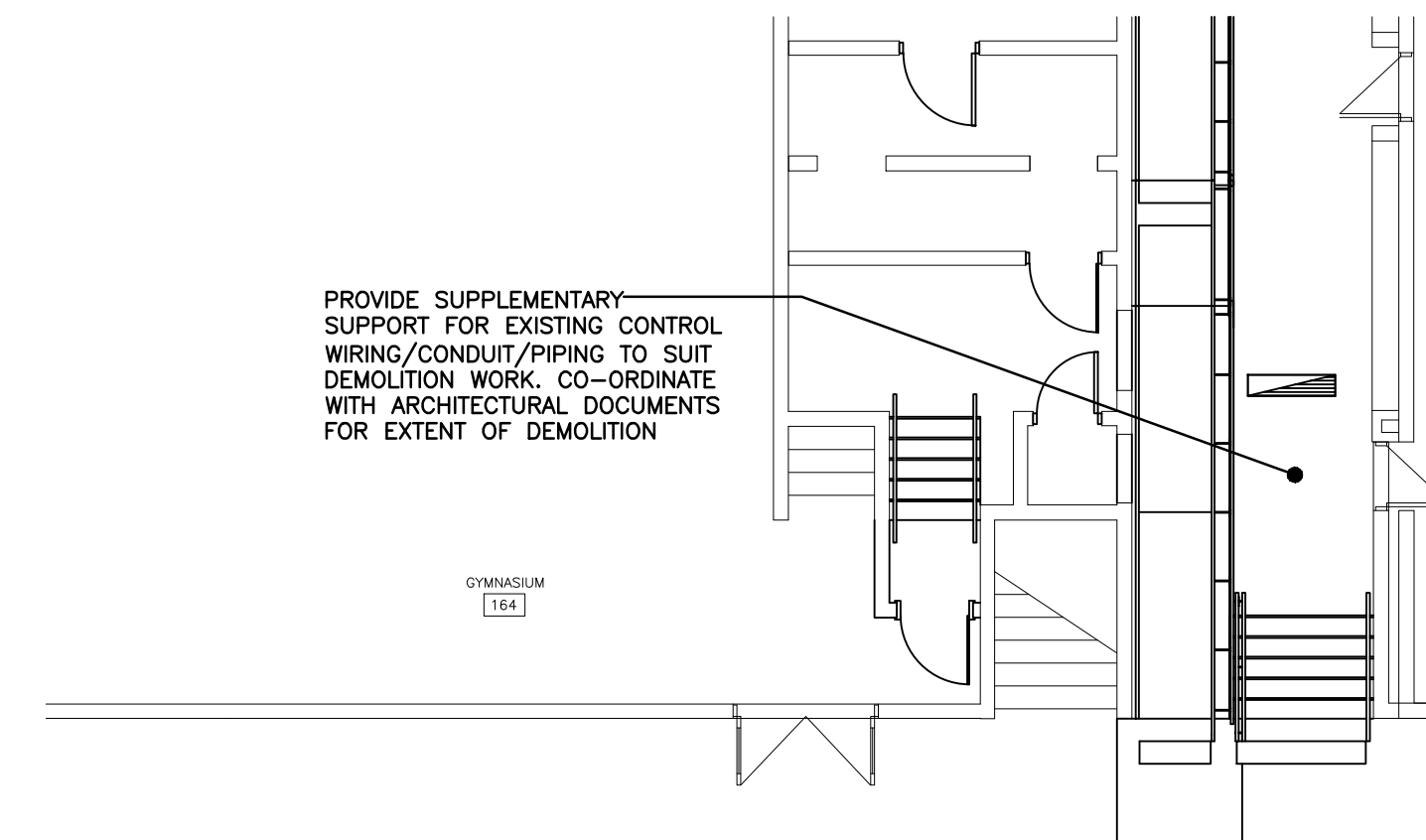
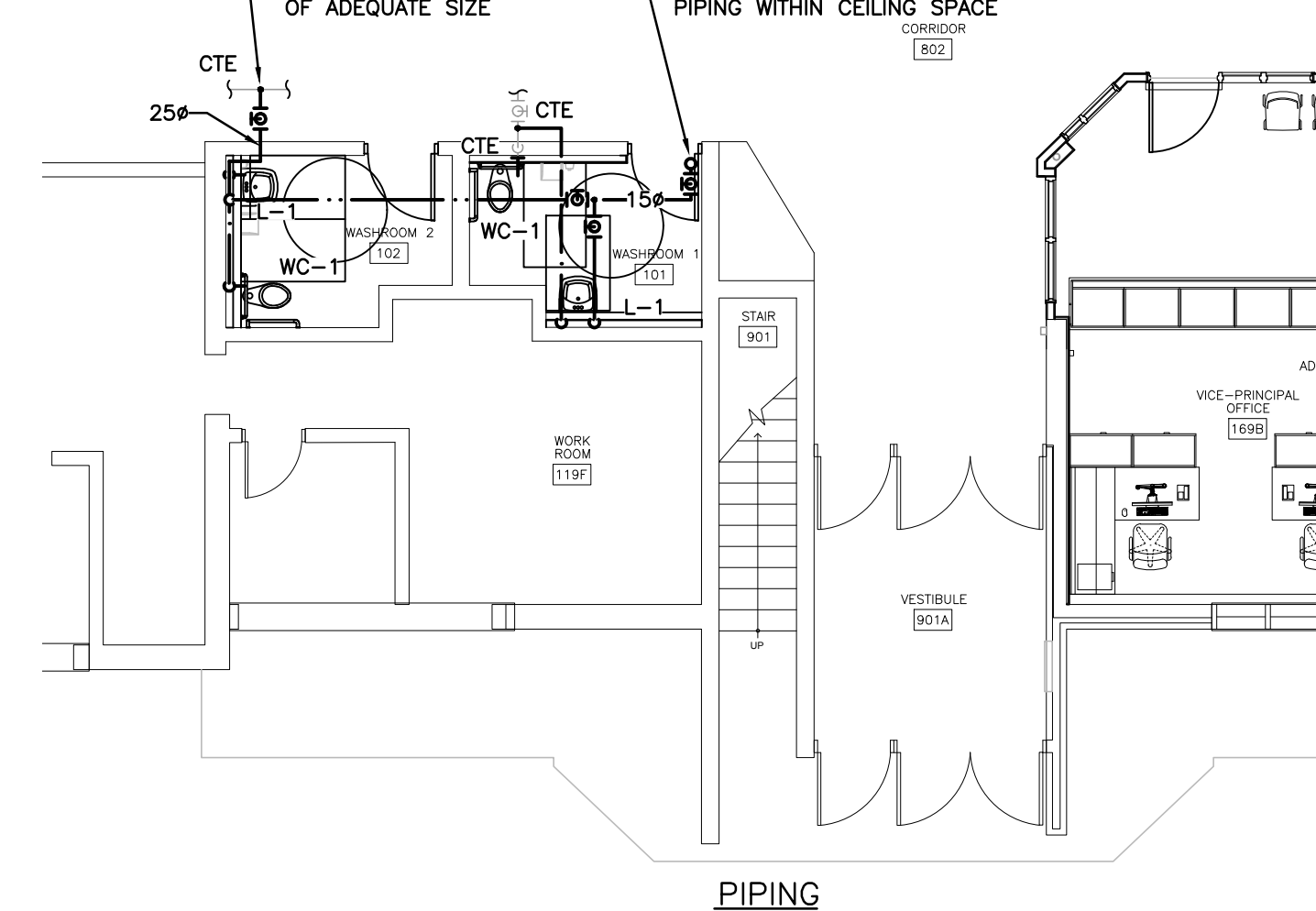
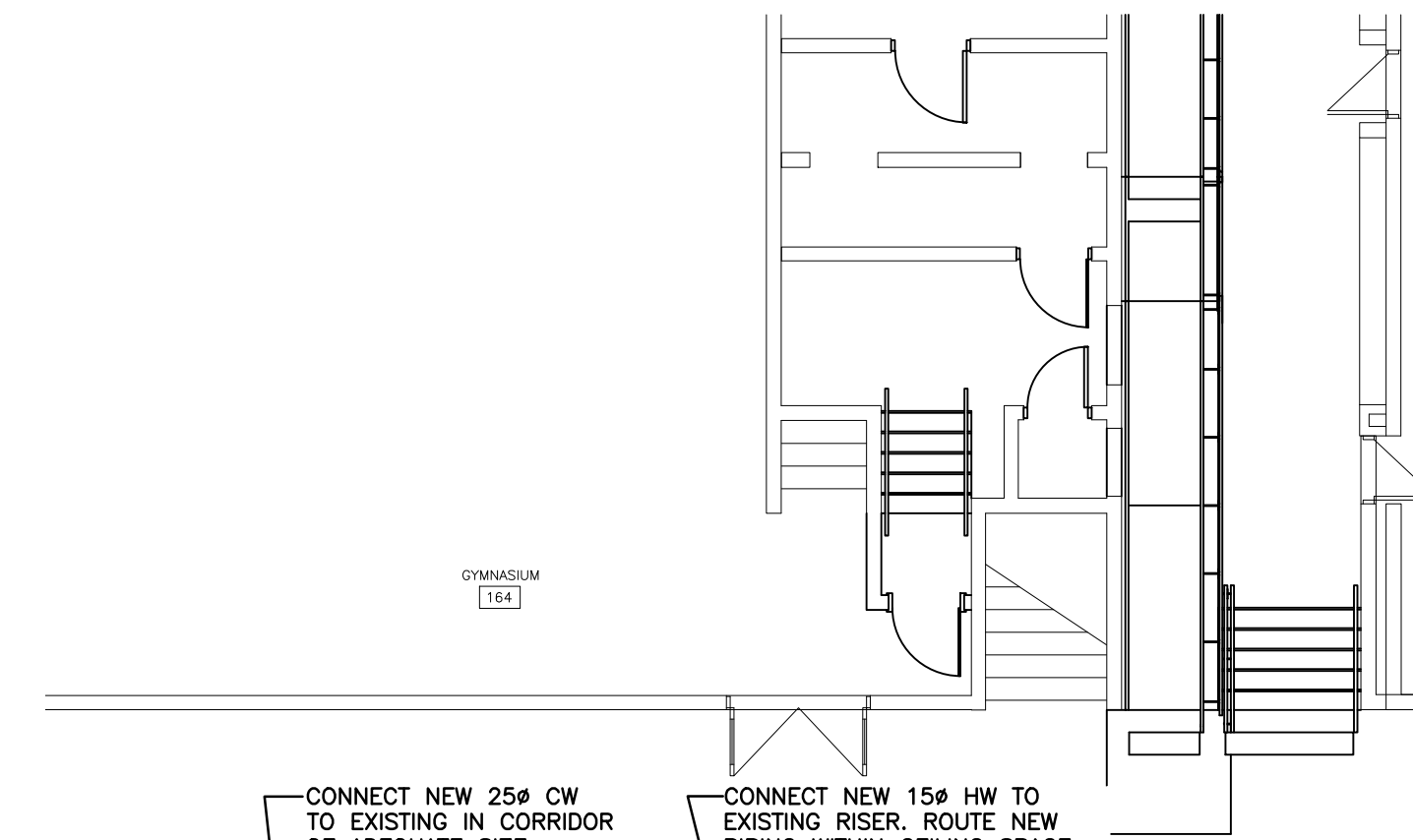
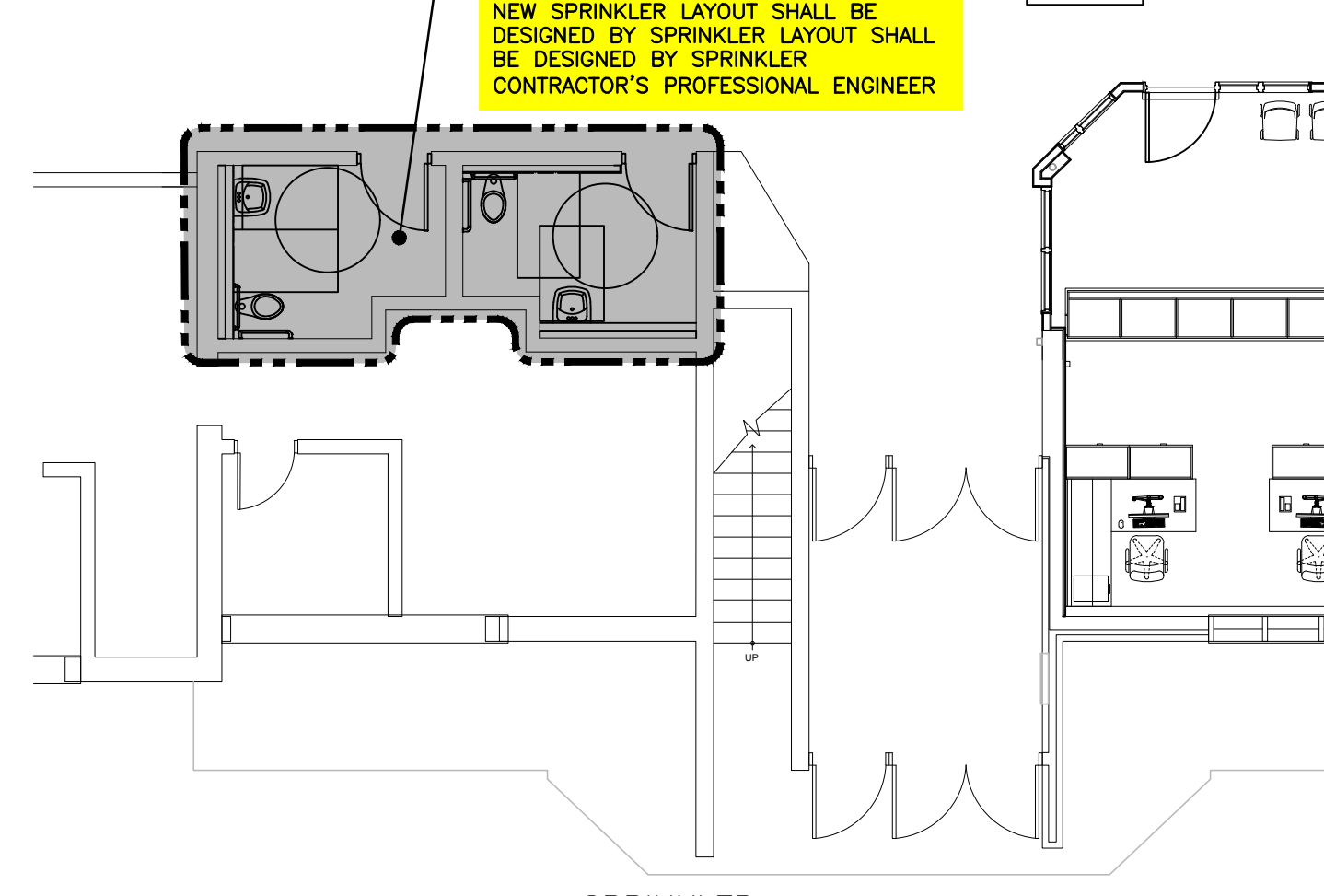
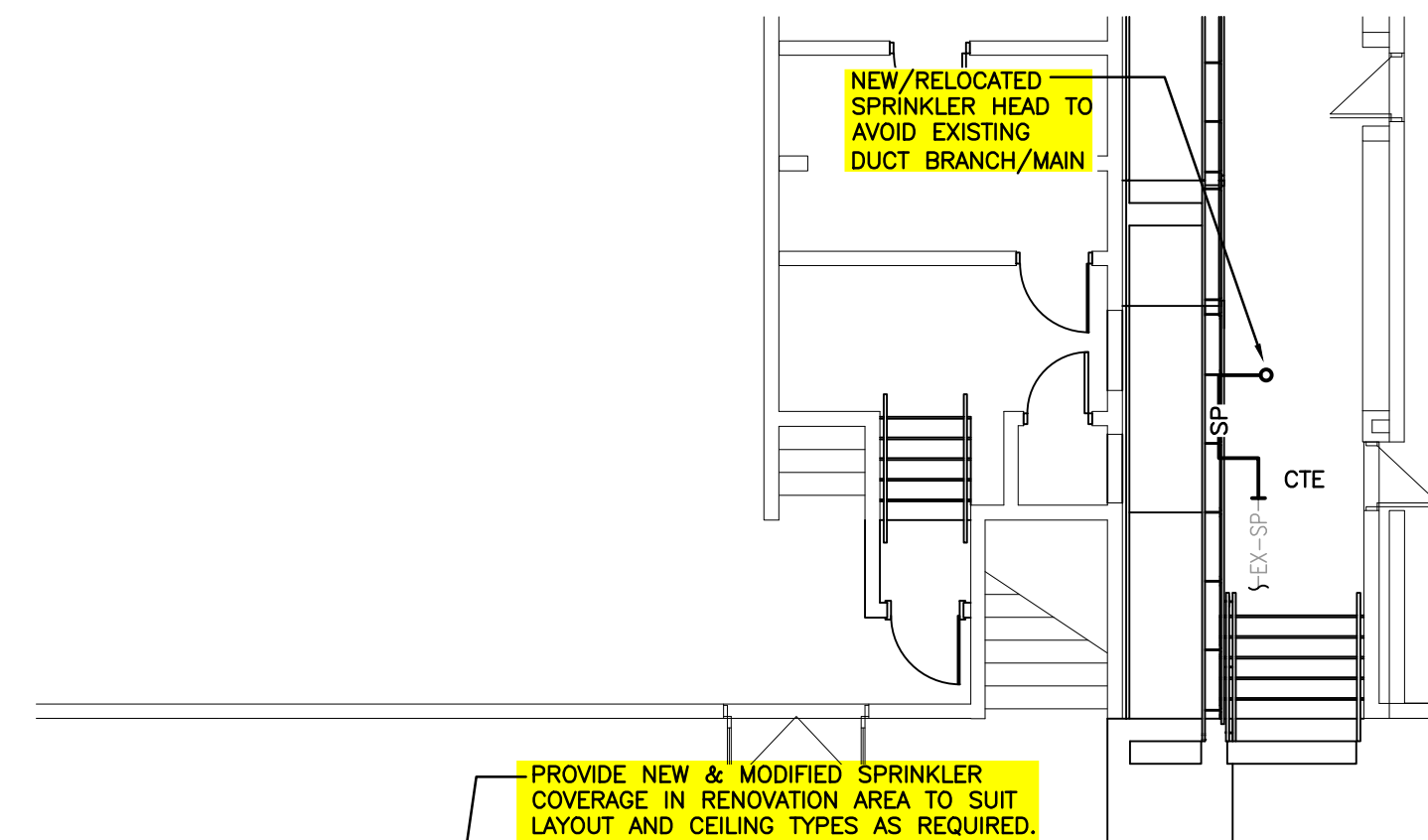
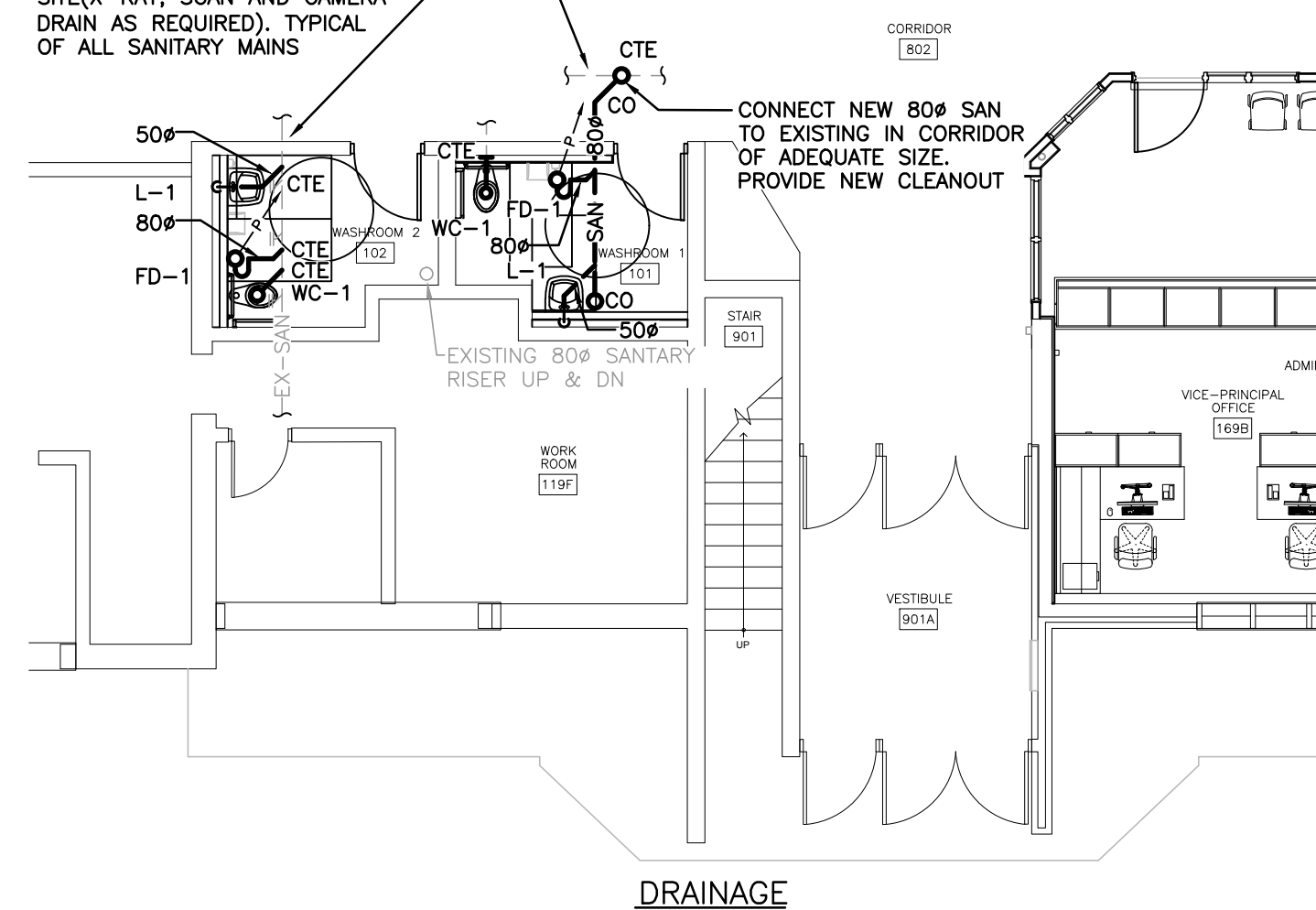
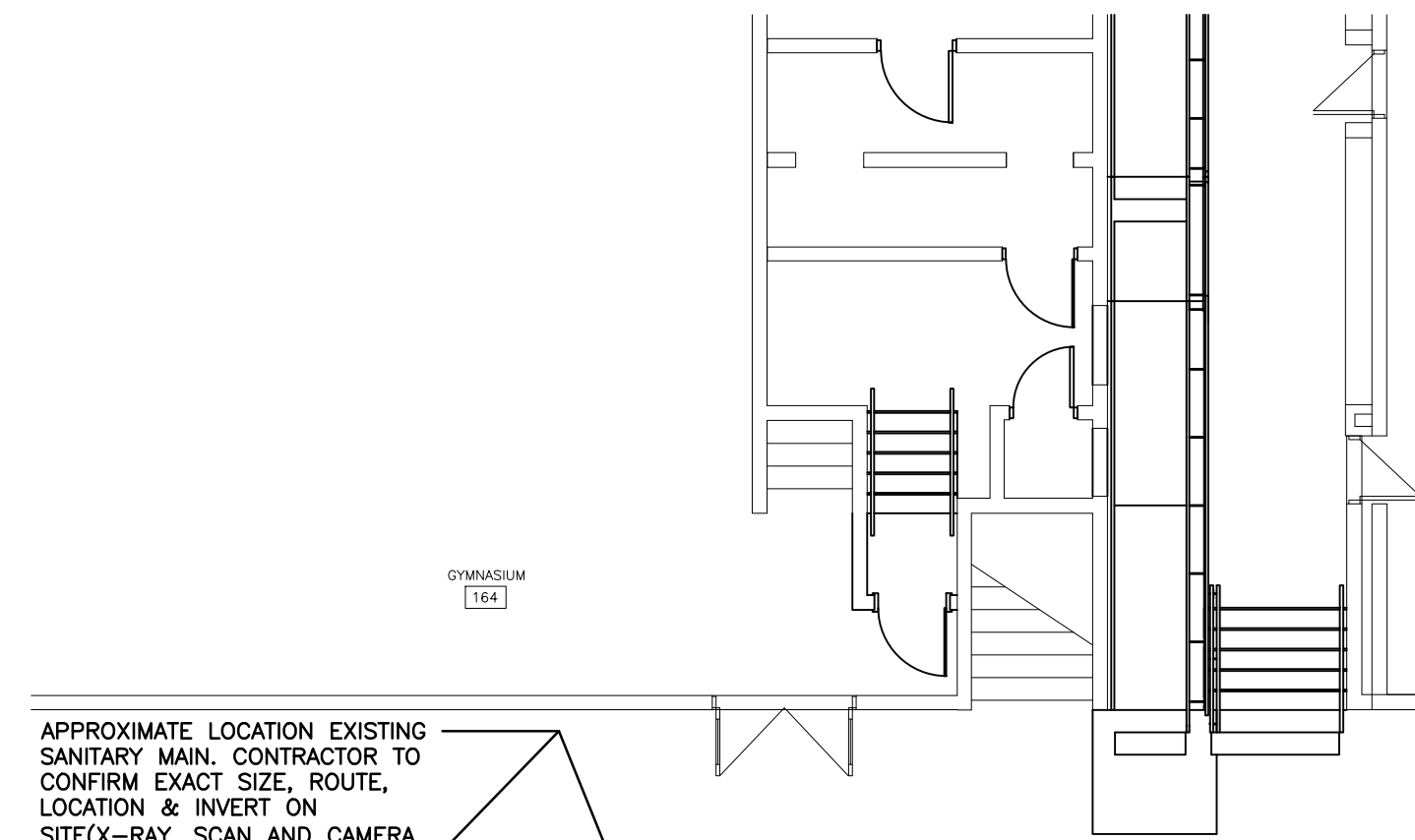
SCALE :	As indicated	SHEET NO :	M2.1
DATE :	2024-01-30		
PROJECT NO :	2023-0705-11		
DRAWN BY :	AP		
CHECKED BY :	SO		

GENERAL RENOVATION NOTES

- SANITARY VENT PIPING IS NOT SHOWN. PROVIDE ALL NECESSARY VENT PIPING FROM ALL FIXTURES FOR A COMPLETE SYSTEM TO ALL LOCAL PLUMBING CODE & LOCAL AUTHORITY REQUIREMENTS. CONNECTED TO EXISTING VENTS OR NEW VENTS AS REQUIRED. CO-ORDINATE VENT LOCATION(S) WITH GENERAL CONTRACTOR. MAINTAIN MINIMUM 3700mm (12'-0") FROM ANY AIR INLET. INSTALL VENT PIPING HIGH IN JOIST SPACE.
- REFER TO ARCHITECTURAL CEILING PLANS FOR GRILLES/DIFFUSERS LOCATIONS. CO-ORDINATE FINAL LOCATION ON SITE.
- CO-ORDINATE ROUGH-IN AND MOUNTING HEIGHTS OF FIXTURES WITH MILLWORK AND ARCHITECTURAL DETAILS.
- CONTRACTOR TO CARRY IN THEIR PRICING TO DRAIN SYSTEM OR FREEZE PIPING TO COMPLETE WORK

GENERAL SPRINKLER NOTES

- SUBMIT PRELIMINARY DESIGN & HYDRAULIC CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER, AND MANUFACTURERS' PRODUCT SHEETS FOR SHOP DRAWING SUBMISSION AS SPECIFIED PRIOR TO COMMENCING WORK.
- ENSURE DESIGN MEETS OR EXCEEDS PRESENT NFPA 13 STANDARDS. ENSURE SPRINKLER SYSTEMS ARE INSTALLED TO NFPA 13 STANDARDS. UPON COMPLETION, SPRINKLER CONTRACTOR TO PROVIDE REPRODUCIBLE DRAWING (AT 1=100 SCALE) AND HYDRAULIC CALCULATIONS OF AS-BUILT CONDITION.
- SPRINKLER CONTRACTOR'S 'PROFESSIONAL ENGINEER' TO PROVIDE O.B.C. AND NFPA REQUIRED INSPECTION AND CERTIFICATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLAN.
- PROVIDE SPRINKLER HEAD TYPES AS FOLLOWS:
 - PROVIDE UPRIGHT HEADS WITHIN 12" OF EXPOSED DECK THROUGHOUT EXPOSED STRUCTURE AREAS. PROVIDE HEAD GUARDS IN GYM, AREAS WHERE HEADS ARE BELOW 8'-0" & STORAGE ROOMS.
 - PROVIDE CONCEALED PENDENT HEADS IN CEILINGS OF UNSUPERVISED AREAS (CORRIDORS, CHANGE ROOMS AND WASHROOMS). COVER PLATE FINISH SELECTED BY CONSULTANT.
 - PROVIDE CONCEALED HEADS IN ALL OTHER CEILING AREAS OF SUPERVISED AREAS (CLASSROOMS, OFFICES, SEMINAR ROOMS, etc.). COVER PLATE FINISH SELECTED BY CONSULTANT.
- SPRINKLER HEADS TO BE IN CENTRELINE OF CEILING TILE. MINIMUM 150mm (6") FROM EDGE.
- FINAL NUMBER AND LOCATION OF SPRINKLER HEADS TO BE DETERMINED BY CONTRACTOR'S HYDRAULIC CALCULATIONS AND APPROVED DRAWINGS.
- SPRINKLER PIPING TO BE COORDINATED WITH OTHER SERVICES PRIOR TO INSTALLATION
- COORDINATE LOCATION OF INSPECTOR'S TEST CONNECTION WITH CONSULTANT PRIOR TO INSTALLATION.
- PROVIDE SPRINKLER HEADS UNDER ALL DUCTWORK AND EQUIPMENT OVER 1200mm WIDE.
- COMMISSIONING OF INTEGRATED TESTING OF FIRE PROTECTION AND LIFE SAFETY SYSTEM:
 - SPRINKLER CONTRACTOR TO PROVIDE SERVICES WITH THE FIRE COMMISSIONING AGENT (FCA) TO MEET THEIR REQUIREMENTS OF ADMINISTRATION, VERIFICATION, AND FINAL SIGNOFF TO THE LOCAL AUTHORITIES AND CONSULTANT. THE FCA IS BEING RETAINED BY THE ELECTRICAL CONTRACTOR, HOWEVER, THIS CONTRACTOR'S WORK TO SATISFY THE FCA REQUIREMENTS SHALL BE INCLUDED IN THE TENDER PRICE.
 - CHECK/TEST: MOVEMENT OF ALL VALVES, CREATE WATER FLOW AT ALL DEVICES TO VERIFY DETECTION AT FIRE ALARM PANEL, OPERATION OF ALL PUMPS &/OR COMPRESSORS.
 - PERFORM ALL WORK IN ACCORDANCE WITH NFPA 13.
 - RETURN SPRINKLER/STANDPIPE SYSTEM TO NORMAL OPERATION ON COMPLETION OF TESTING

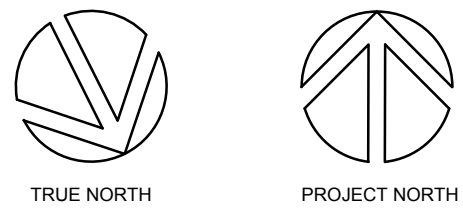
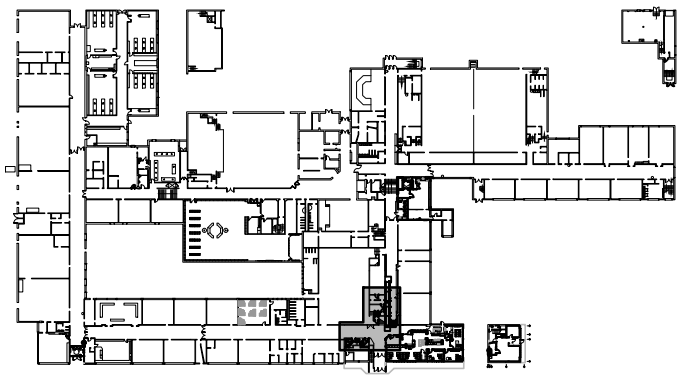


GROUND FLOOR PART PLAN 'A' - RENOVATION
SCALE: 1:100

CLIENT LOGO

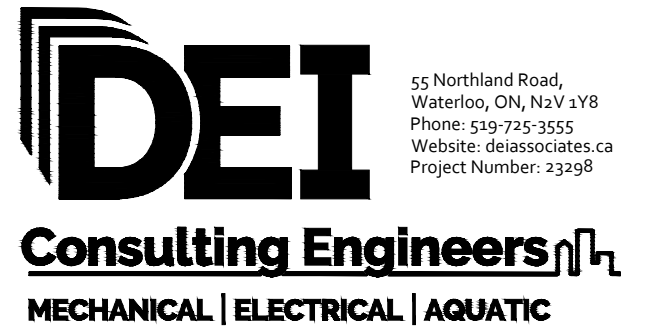


KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2024-03-13

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2024 DEI Consulting Engineers Inc.



CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT

PRESTON HS - RAMP AND WASHROOM RENOVATIONS

550 Rose St. Cambridge, ON N3H 2E6

TITLE

GROUND FLOOR PART PLANS 'A' - DRAINAGE, PIPING, DUCTWORK & SPRINKLER

WALTERFEDY

KITCHENER | HAMILTON | TORONTO
800.685.1378 walterfedy.com

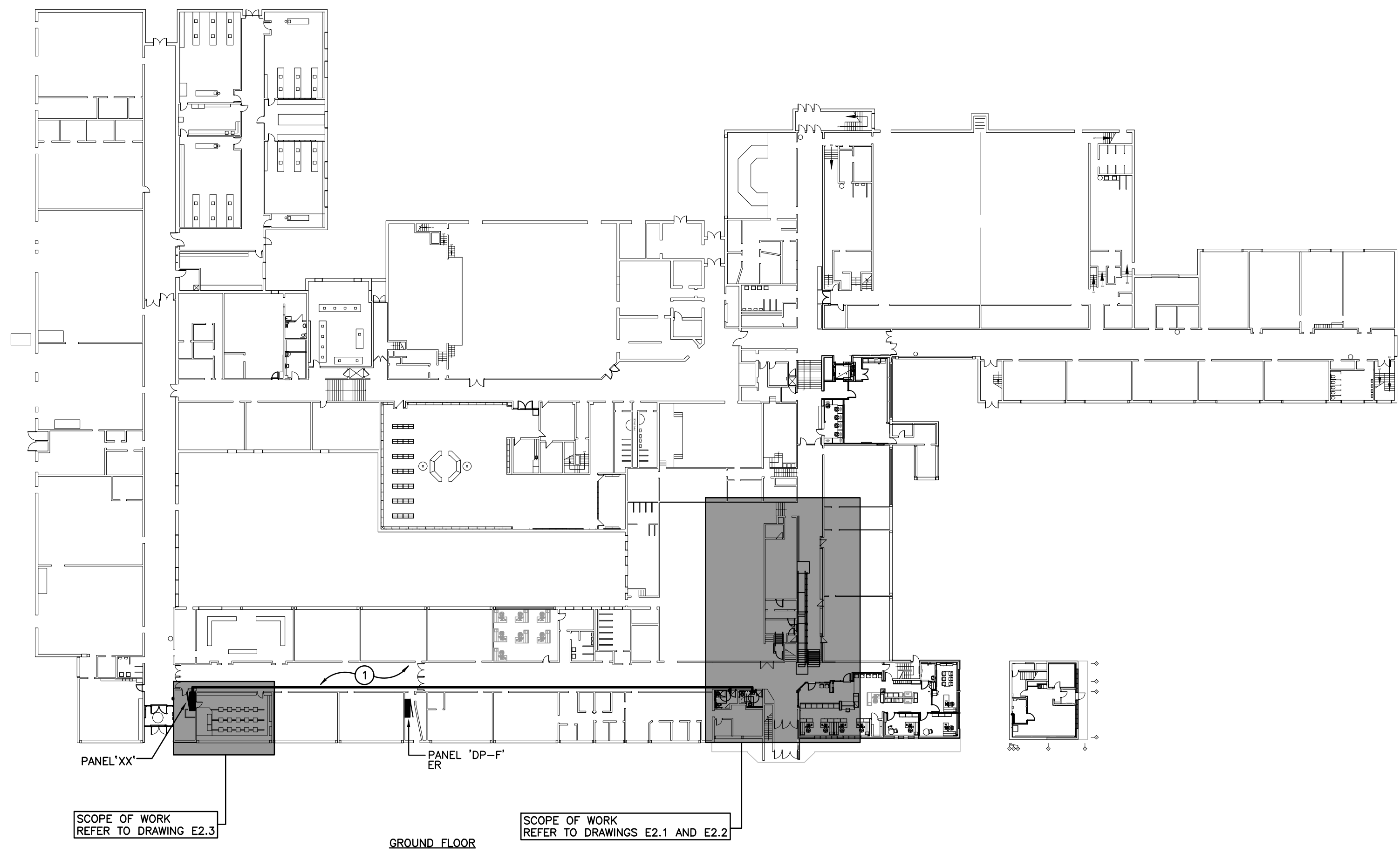
SEAL



SCALE: As indicated
DATE: 2024-01-30
PROJECT NO: 2023-0705-11
DRAWN BY: AP
CHECKED BY: SO

SHEET NO:

M3.1



KEY PLAN
SCALE: 1:500

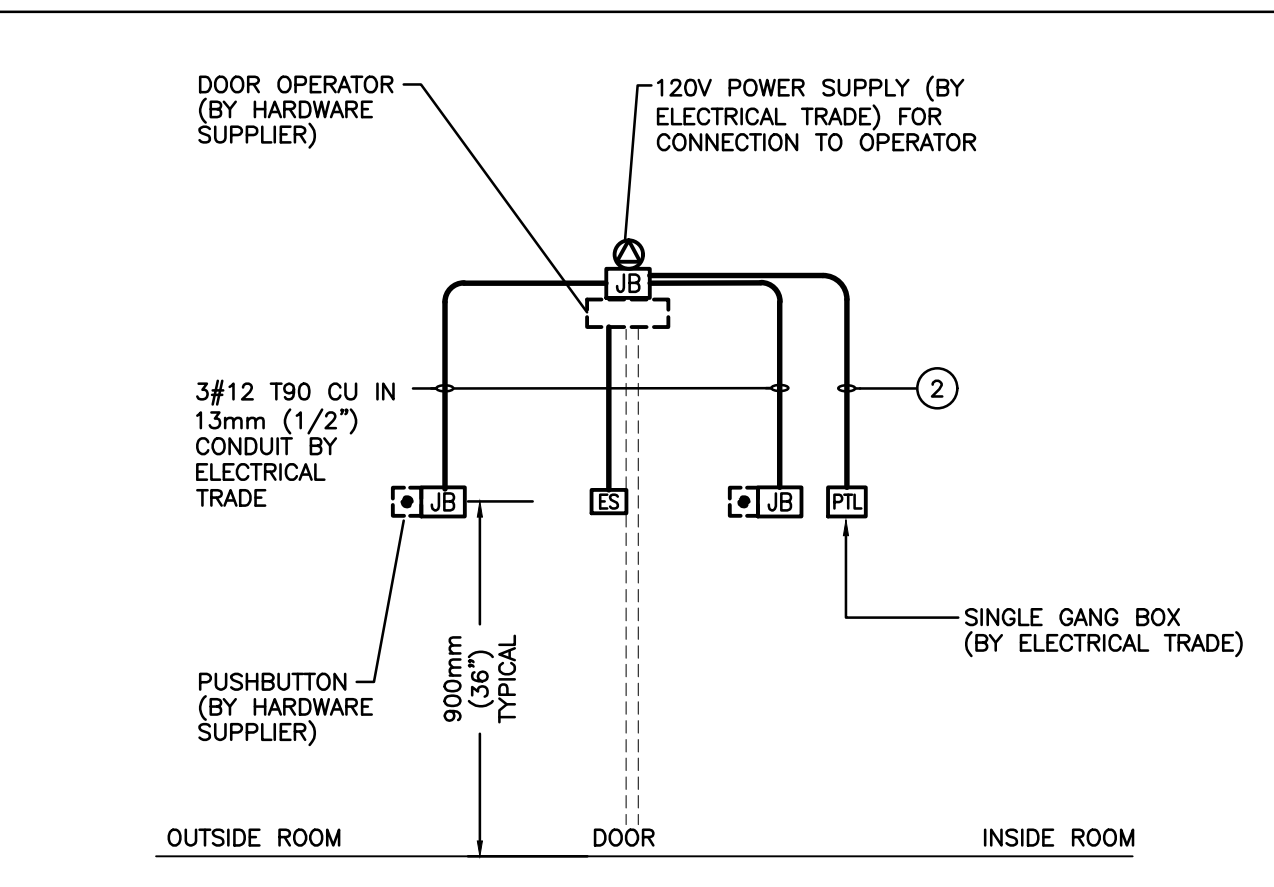
NOTES

1 CONTRACTOR IS RESPONSIBLE TO REMOVE AND RE-INSTALL CEILING TILE TO SUIT RENOVATION. ANY DAMAGED OR FINGER-PRINTED TILE MUST BE REPLACED.

LIGHT FIXTURE SCHEDULE							
Item	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	CRI	Listings	Description
A	COOPER CAT. #ASNLED-LD5-44SL-LW-LW-L840-CD-1-AYC-WG/SNF-4FT LITHONIA CAT. #RLX L48 5000LM SEF RDL WD MOLT G210 40K 80CRI W1/WGLX48	120V	LED 4601 LUMENS 4000K 38W	SUSPENDED	80	DLC DAMP LOC.	4' (1220mm) SURFACE LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION, CHAIN SUSPENSION KIT, 10% 0-10V DIMMING DRIVER, AND WIRE GUARD. NOTE: SUSPEND TO MAINTAIN MAXIMUM HEADROOM.
B	LITHONIA CAT. #WF6 LED 30K40K50K 90CRI MW M6	120V	LED 1190 LUMENS 4000K 14W	RECESSED	80	ENERGY STAR	RECESSED 6" (150mm) DIAMETER LED PANEL DOWNLIGHT.
C	COOPER CAT. #24FPLS2SCT3 LITHONIA CAT. #CPX 2X4 AL08 SSW7 M2	120V	LED 4620 LUMENS 4000K 40.2W	RECESSED	80	DLC DAMP LOC.	2'X4' (610mmX1220mm) LED BACKLIT FLAT PANEL FIXTURE C/W FIELD SELECTABLE LUMENS AND COLOUR TEMPERATURE, WHITE FROSTED LENS, 10% 0-10V DIMMING DRIVER, AND WHITE FINISH.
C1	COOPER CAT. #24FPLS2SCT3 LITHONIA CAT. #CPX 2X4 AL08 SSW7 M2	120V	LED 3180 LUMENS 4000K 27.2W	RECESSED	80	DLC DAMP LOC.	SIMILAR TO FIXTURE 'C' WITH 'LOW' LUMEN SETTING.
E	LITHONIA CAT. #WF3 ADJ LED 30K 90CRI MW	120V	LED 530 LUMENS 4000K 7.5W	RECESSED	90	ENERGY STAR	RECESSED 3" (75mm) DIAMETER LED PANEL DOWNLIGHT.
F	LITHONIA LIGHTING CAT. #FMCL-840-PIR-M4	120V	LED 570 LUMENS 4000K 10.4W	SURFACE	80	ENERGY STAR	INDOOR LED 7" (180mm) GLOSS WHITE FLUSH MOUNT CEILING LIGHT C/W MOTION SENSOR
EMERG. BATT.	BEGHELLI TEMPESTA SERIES: EM-3 #TA-LED-EM-120-S-90P ANMIGHT CAT. #RWL-12-014-WHT-TP-90 STANPRO CAT. #SWL-EM-WH-120-AT-TP-90 ABB LUMACELL CAT. #LBL-EM C/W KIT-SR-L	120V	LED 17W	SURFACE	N/A	N/A	SURFACE MOUNTED VANDAL RESISTANT LONG LIFE, SEALED BATTERY, C/W 17W LED MODULES, POLYCARBONATE BODY AND 90 MINUTE BATTERY DURATION.

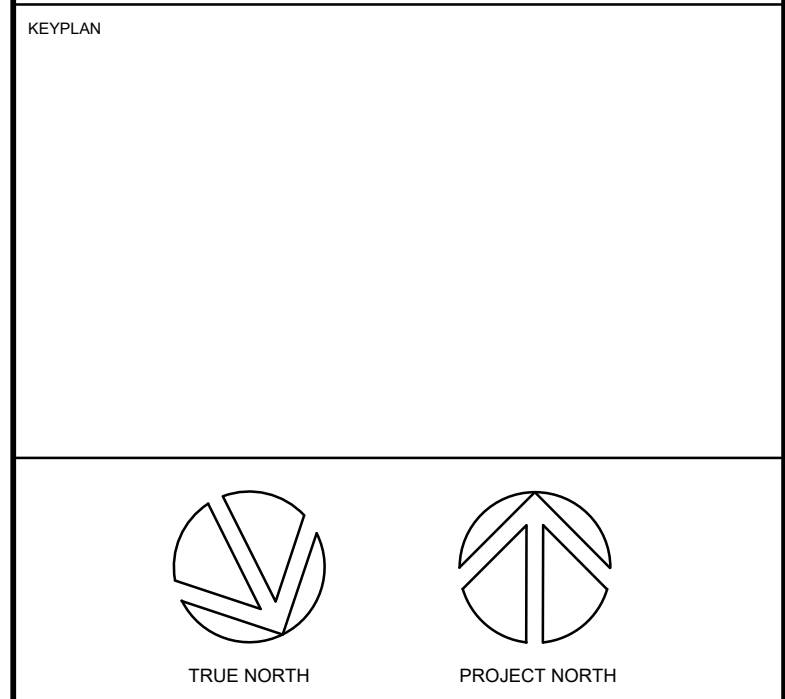
NOTES: 1 LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT. 2 EQUAL MANUFACTURERS/SUPPLIERS MUST CONFIRM THE PROPOSED FIXTURE BY EMAIL WITH CONSULTANTS OFFICE A MINIMUM OF 10 DAYS PRIOR TO TENDER CLOSE. 3 IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THESE TO THE ELECTRICAL CONSULTANT'S ATTENTION PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT TIME OF SHOP DRAWING REVIEW.

ELECTRICAL SYMBOLS		NOTE: ALL SYMBOLS MAY NOT BE USED	
LIGHTING		POWER	
[Symbol]	LIGHT FIXTURE TYPE AS INDICATED	[Symbol]	WALL MOUNTED RECEPTACLE (15A-120V)
[Symbol]	LIGHT FIXTURE (HATCHING DENOTES NIGHTLIGHT)	[Symbol]	WALL MOUNTED T-SLOT RECEPTACLE (20A-120V)
[Symbol]	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED	[Symbol]	T-SLOT RECEPTACLE MTD. ABOVE COUNTER (20A-120V)
[Symbol]	CEILING MOUNTED EXIT LIGHT ARROWS DENOTE DIRECTION SHADING INDICATES FACE	[Symbol]	QUAD RECEPTACLE
[Symbol]	SINGLE OR TWIN EMERGENCY LIGHTING FIXTURE	[Symbol]	PANEL AS INDICATED
[Symbol]	BATTERY UNIT WITH INTEGRAL EMERGENCY FIXTURE (EM-X INDICATES BATTERY UNIT TYPE, DC-X INDICATES DC CIRCUIT, AND X-X INDICATES AC SOURCE CIRCUIT)	[Symbol]	HAND DRYER
[Symbol]	SINGLE POLE SWITCH (3=3 WAY, 4=4 WAY, P=PILOT LIGHT, K=KEYED, DM=DIMMER, M=MOTOR RATED)	[Symbol]	SOLENOID VALVE
[Symbol]	OCCUPANCY SENSOR (PASSIVE)		
[Symbol]	CEILING MOUNTED MOTION SENSOR	SECURITY	
[Symbol]	WALL MOUNTED MOTION SENSOR	[Symbol]	SECURITY DETECTOR (SURFACE MOUNTED)
FIRE ALARM		[Symbol]	CEILING MOUNTED CAMERA
[Symbol]	HEAT DETECTOR (135 DEGREE RATE OF RISE AND FIXED TEMPERATURE)	ACCESS CONTROL	
[Symbol]	SMOKE DETECTOR (RL=RELAY BASE)	[Symbol]	EMERGENCY PUSH BUTTON STATION
[Symbol]	PULLSTATION	[Symbol]	"ASSISTANCE REQUIRED" DOME LIGHT WITH SOUNDER
[Symbol]	ALARM BELL	GENERAL	
COMMUNICATIONS		ER	INDICATED EXISTING ITEM TO REMAIN
[Symbol]	SINGLE WALL MOUNTED TELEPHONE OUTLET C/W 1/2" (13mm) C TO CABLE MANAGEMENT SYSTEM.	D	INDICATES EXISTING ITEM TO BE DELETED
[Symbol]	SINGLE COMPUTER OUTLET C/W 3/4" (21mm) C TO CABLE MANAGEMENT SYSTEM.	R	INDICATES EXISTING ITEM TO BE RELOCATED/IN RELOCATED POSITION
[Symbol]	CLOCK AS PER SPECIFICATIONS	GF	GROUND FAULT
[Symbol]	WALL MOUNTED SPEAKER (CS=COLUMN SPEAKER)	CLG	CEILING MOUNTED
[Symbol]	CEILING MOUNTED SPEAKER	(X)	NOTE INDICATOR
[Symbol]	AUXILIARY ROUGH-IN FOR USE AS NOTED.	ELECTRIC HEAT	
STANDARD CIRCUIT LABELING		(X)	BASEBOARD ELECTRIC HEATER (TYPE AS INDICATED)



1. THIS CONTRACTOR IS TO MAKE ALL CONNECTIONS TO ALL DEVICES AS SUPPLIED BY THE HARDWARE CONTRACTOR.
2. PROVIDE LOW VOLTAGE INTERCONNECT WIRING TO SUIT SUPPLIER. FOR PRICING PURPOSES ALLOW 4c#18 IN 13mmC

A-DOOR OPERATOR DETAIL
SCALE: NTS



CLIENT LOGO

WATERLOO REGION DISTRICT SCHOOL BOARD

TRUE NORTH PROJECT NORTH

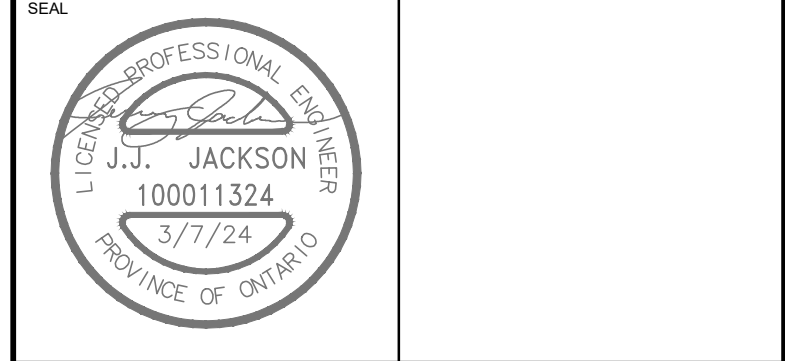
The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets, fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2024 DEI Consulting Engineers Inc.



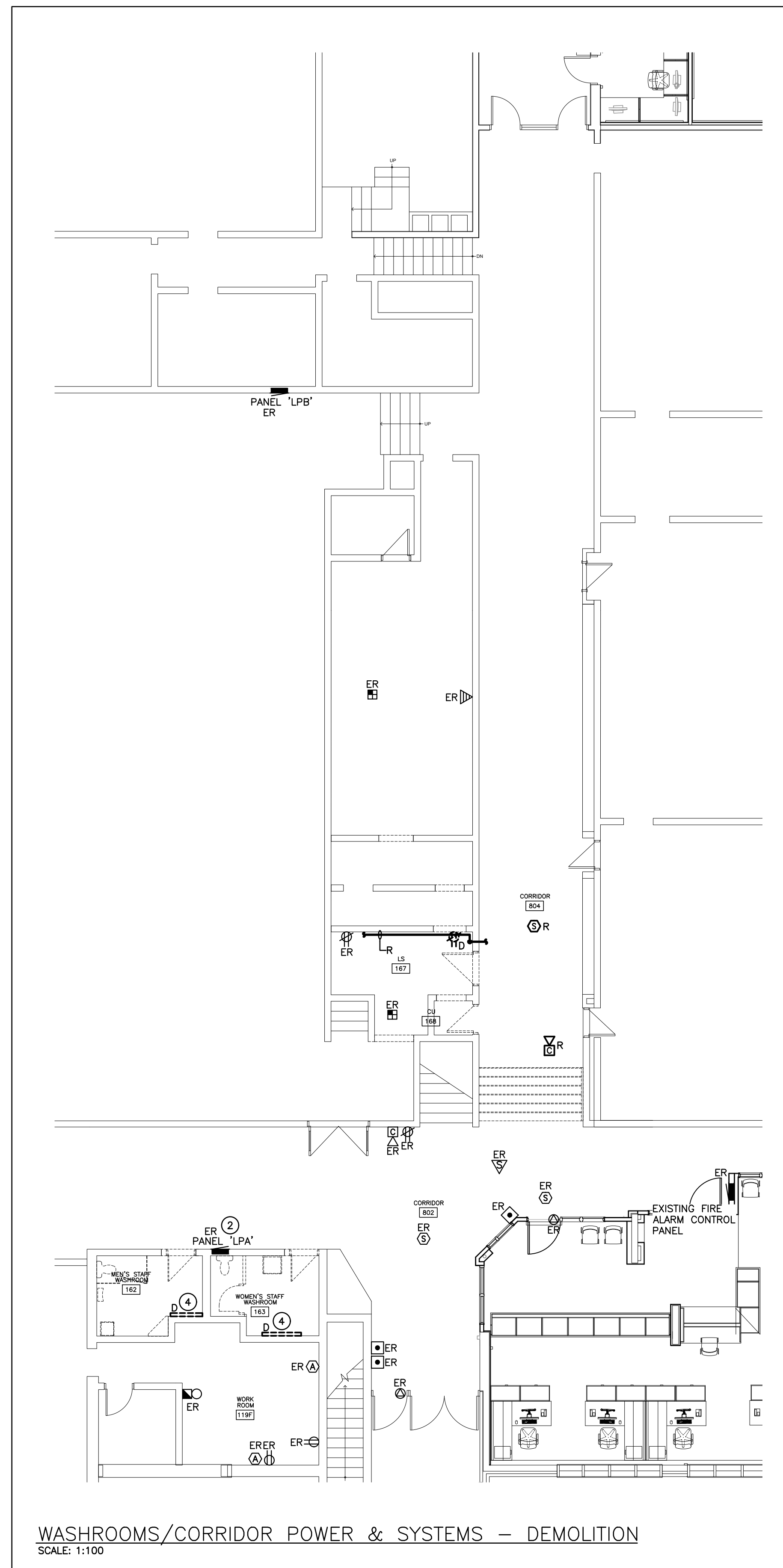
CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD
51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT
PRESTON HS - RAMP AND WASHROOM RENOVATIONS
550 Rose St. Cambridge, ON N3H 2E6

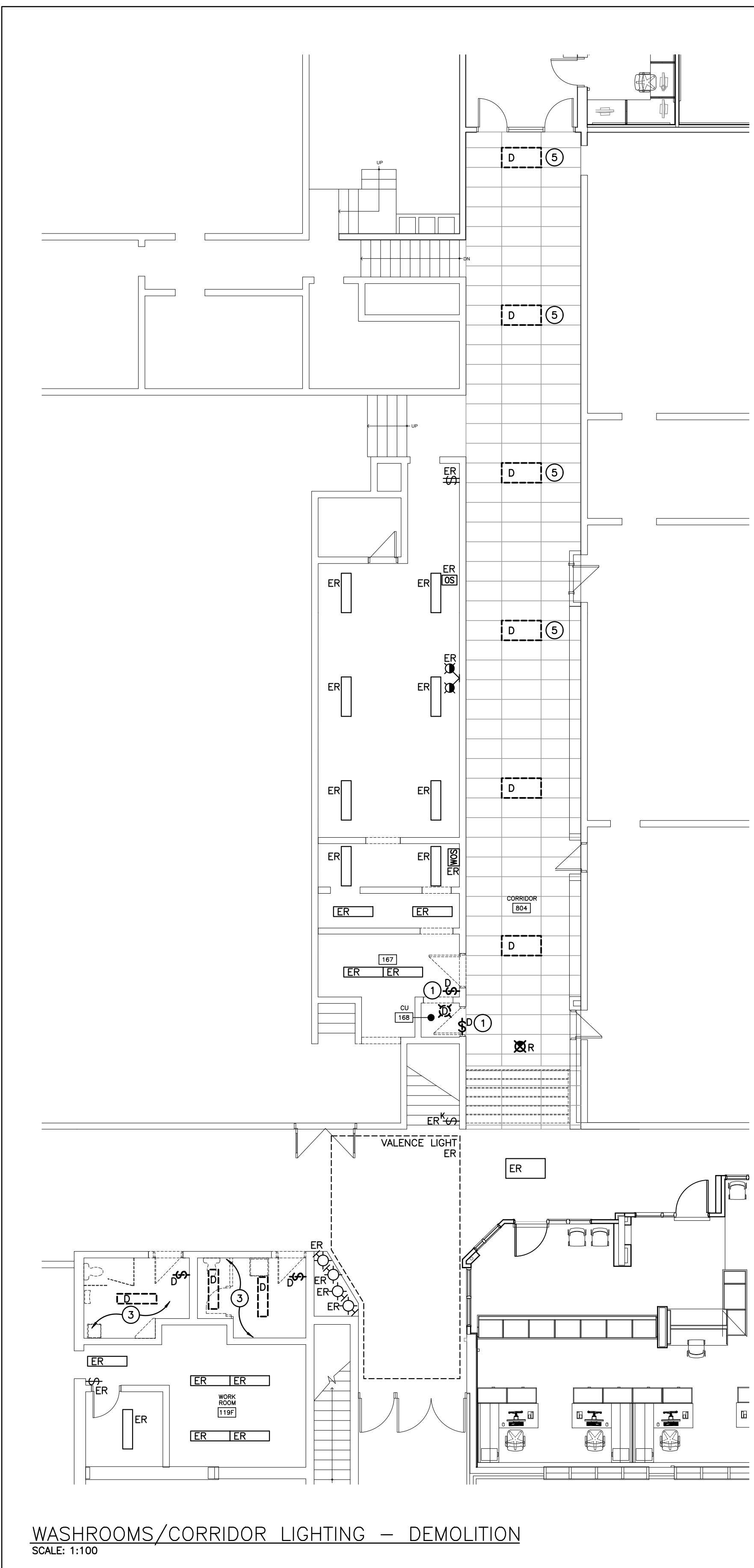
TITLE
KEY PLAN AND LEGEND



SCALE:	As Indicated	SHEET NO:	E1.1
DATE:	2024-01-30		
PROJECT NO:	2023-0705-11		
DRAWN BY:	KZ		
CHECKED BY:	SD		



WASHROOMS/CORRIDOR POWER & SYSTEMS – DEMOLITION
SCALE: 1:100



WASHROOMS/CORRIDOR LIGHTING – DEMOLITION
SCALE: 1:100

GENERAL DEMOLITION NOTES

- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT, UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED, UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
- ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.

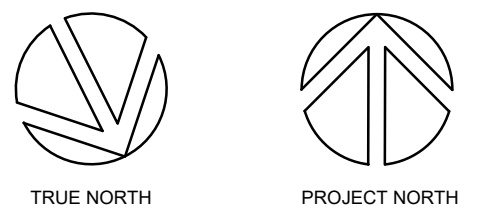
SPECIFIC DEMOLITION NOTES

- 1 EXISTING SWITCH TO BE REMOVED. EXISTING LINE AND LOAD WIRING IS TO BE PULLED BACK TO ACCESSIBLE CEILING SPACE FOR RECONNECTION TO NEW CONTROLS. PROVIDE BLANK STAINLESS STEEL COVERPLATE TO SUIT EXISTING BACKBOX IF REQUIRED. REFER TO RENOVATION PLANS.
- 2 EXISTING SQUARE D TYPE 'NQ' 100A 120/208V 3PH 4W 10kA PANEL TO REMAIN.
- 3 MAINTAIN EXISTING LIGHTING CIRCUIT WITHIN THIS AREA FOR RECONNECTION TO NEW CONTROLS. REFER TO RENOVATION PLANS FOR ADDITIONAL INFORMATION.
- 4 EXISTING BASEBOARD HEATERS TO BE REMOVED COMPLETE. MAINTAIN CIRCUIT FOR RE-USE DURING RENOVATION. REFER TO RENOVATION DRAWINGS.
- 5 MAINTAIN LIGHTING CIRCUIT WITHIN THIS AREA FOR RECONNECTION TO NEW LIGHT FIXTURES. EXISTING LIGHTING CONTROLS TO REMAIN.

CLIENT LOGO

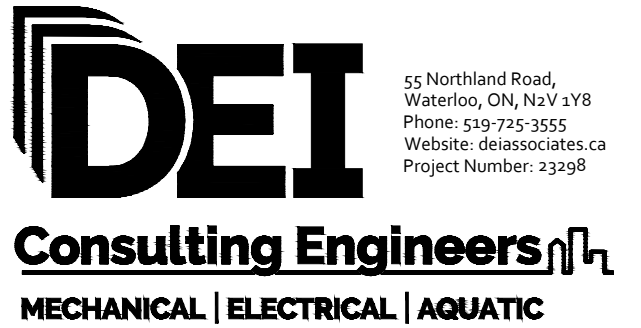


KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2024-03-13

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets, fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
© 2024 DEI Consulting Engineers Inc.

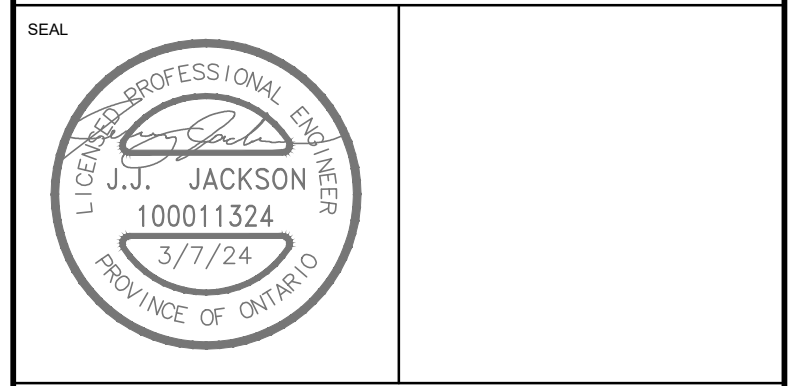


CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD
51 Ardelt Ave, Kitchener, ON N2C 2R5

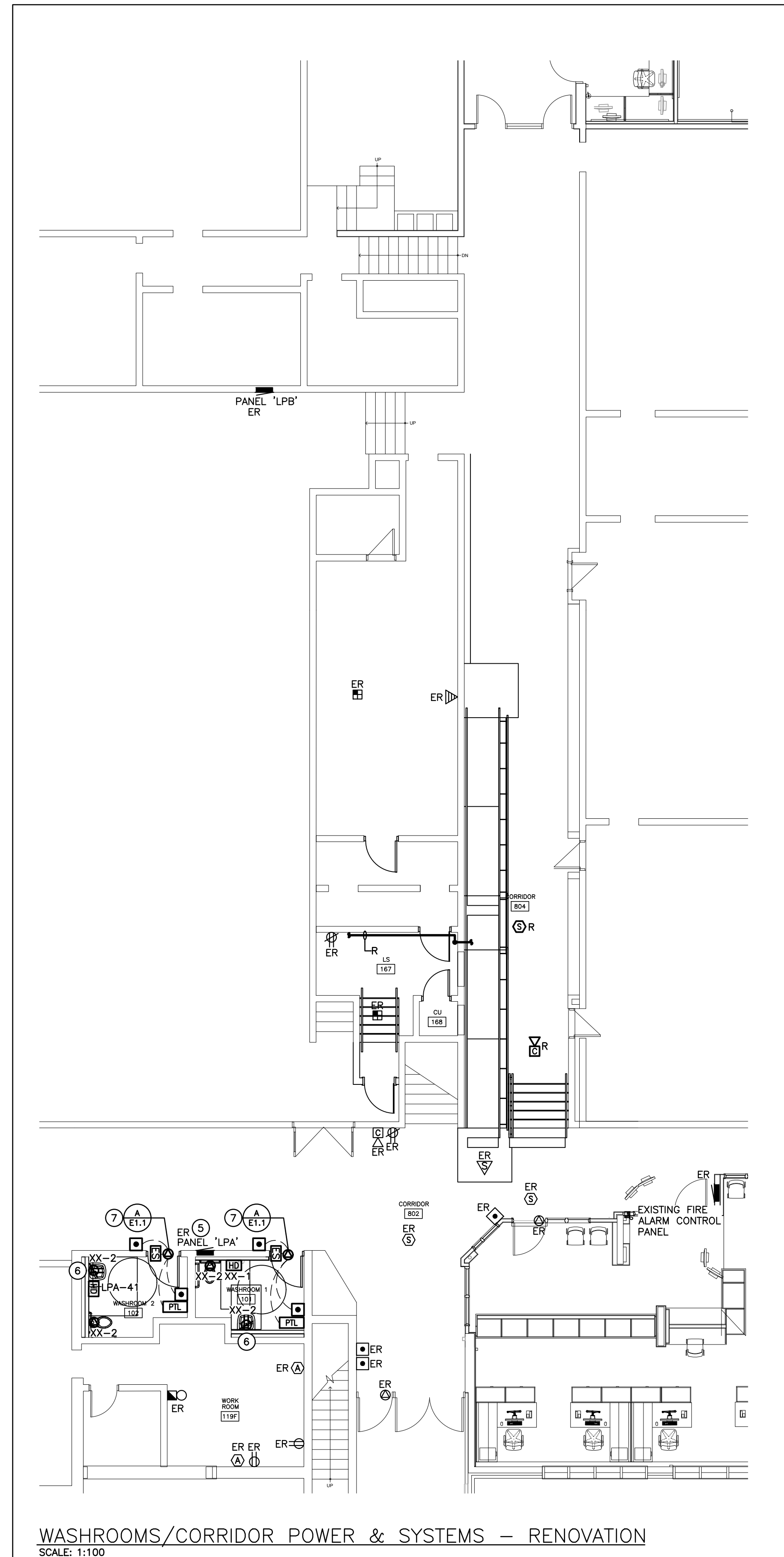
PROJECT
PRESTON HS - RAMP AND WASHROOM RENOVATIONS
550 Rose St. Cambridge, ON N3H 2E6

TITLE
WASHROOMS/ CORRIDOR PARTIAL GROUND FLOOR - DEMOLITION PLANS

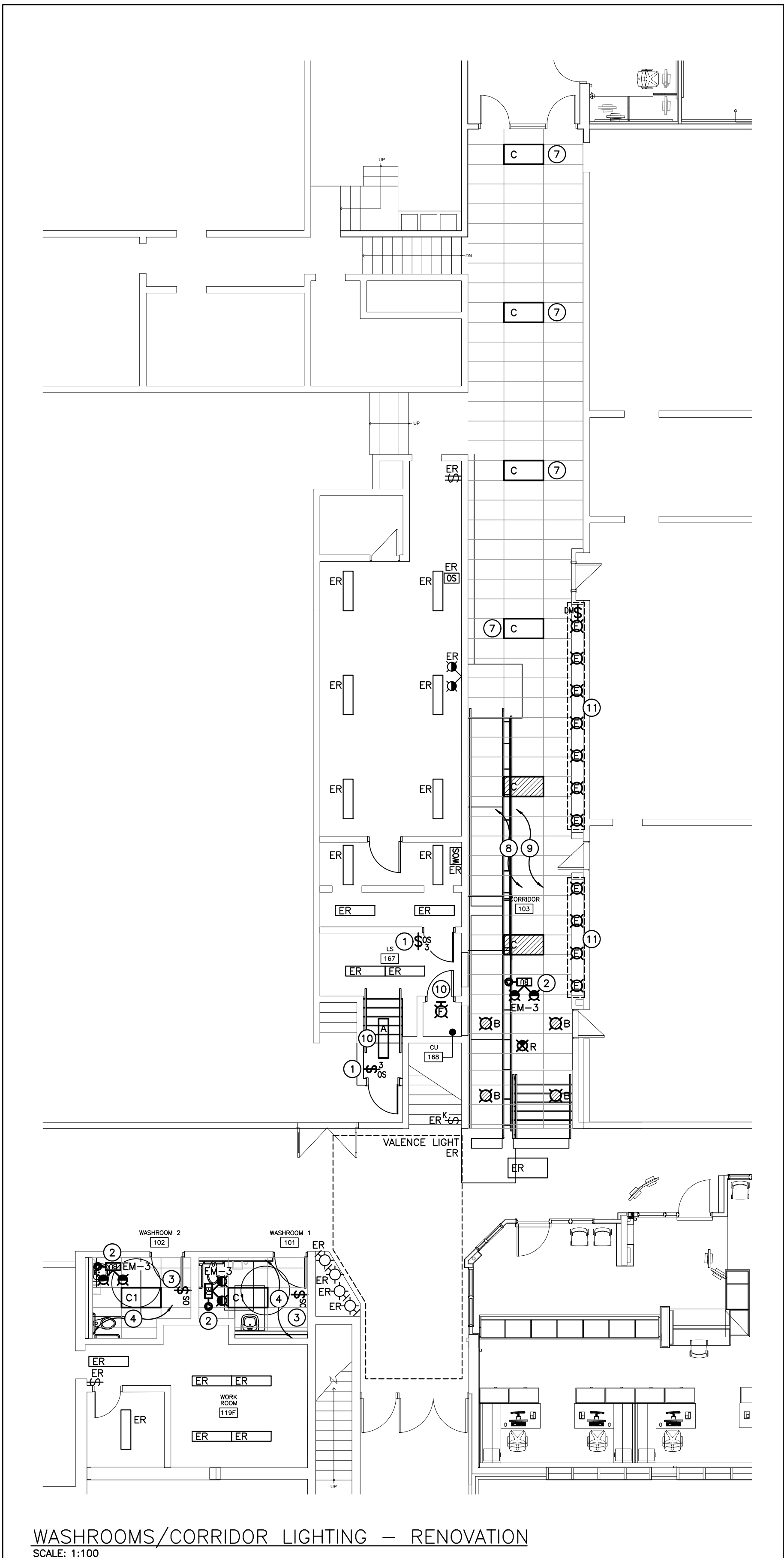
WALTERFEDY
KITCHENER | HAMILTON | TORONTO
800.685.1378 walterfedy.com



SCALE :	As indicated	SHEET NO :	E2.1
DATE :	2024-01-30		
PROJECT NO :	2023-0705-11		
DRAWN BY :	KZ		
CHECKED BY :	SD		



WASHROOMS/CORRIDOR POWER & SYSTEMS - RENOVATION
SCALE: 1:100



WASHROOMS/CORRIDOR LIGHTING - RENOVATION
SCALE: 1:100

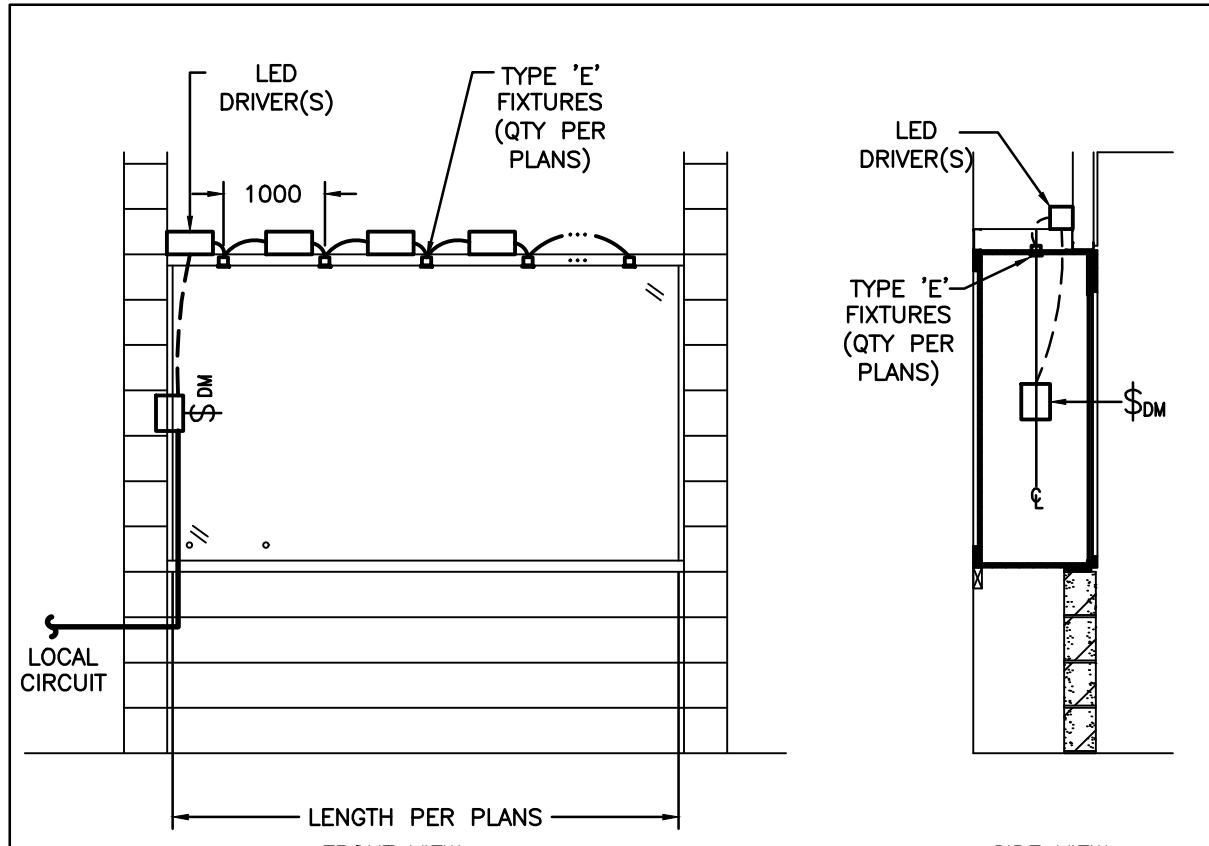
GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

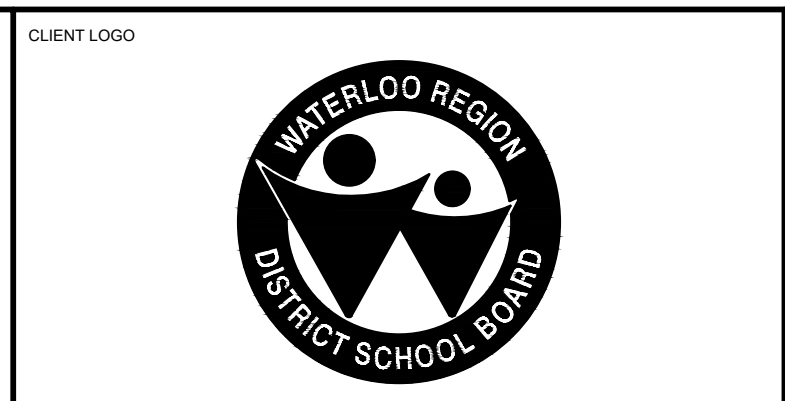
SPECIFIC RENOVATION NOTES

- 1 INDICATES NEW LIGHTING CONTROLS. RE-WORK EXISTING LINE AND LOAD SIDE WIRING TO SUIT. CONNECT TO EXISTING LIGHTING CIRCUIT.
- 2 CONNECT DEVICE TO THE LINE SIDE OF THE LOCAL LIGHTING CIRCUIT.
- 3 MOUNT SWITCH IN EXISTING BACKBOX MADE AVAILABLE DURING DEMOLITION PHASE. PROVIDE NEW STAINLESS STEEL COVERPLATE TO SUIT NEW DEVICE.
- 4 REWORK EXISTING LIGHTING CIRCUIT WITHIN THIS AREA TO SUIT NEW LIGHTING CONTROL AS DETAILED. PATCH CEILING AS REQUIRED TO SUIT THE REMOVAL OF LIGHTING FIXTURES.
- 5 WITHIN LOCAL EXISTING PANEL 'LPA' (SQUARE D TYPE 'NQ' 100A 120/208V 3PH 4W 10KA) PROVIDE THE FOLLOWING BREAKERS:

CIRCUIT LPA-41	BREAKER 20A-1P 5mA GF	DEVICE STAFF WASHROOM #102 HAND DRYER
-------------------	--------------------------	--
- 6 INDICATES CONNECTION FOR SINK. PROVIDE RECEPTACLE WITHIN SHROUD FROM A GROUND FAULT BREAKER. COORDINATE EXACT LOCATION AND CONNECTION WITH MECHANICAL TRADE AND MECHANICAL SHOP DRAWINGS.
- 7 CONNECT TO EXISTING LOCAL CIRCUIT MADE AVAILABLE DURING DEMOLITION PHASE.
- 8 CONTRACTOR IS RESPONSIBLE TO REMOVE AND RE-INSTALL CEILING TILE TO SUIT RENOVATION. ANY DAMAGED OR FINGER-PRINTED TILE MUST BE REPLACED.
- 9 PROVIDE NEW SUPPORTS FOR EXISTING CONDUITS AND AC90 WIRING ABOVE CEILING TO SUIT DEMOLITION WORK. CO-ORDINATE WITH ARCHITECTURAL DOCUMENTS FOR EXTENT OF DEMOLITION.
- 10 REWORK EXISTING LIGHTING CIRCUIT WITHIN THIS AREA TO SUIT NEW LIGHT FIXTURES AS DETAILED.
- 11 FIXTURES ARE TO BE INSTALLED WITHIN DISPLAY CASE. REFER TO ARCHITECTURAL MILLWORK DRAWINGS AND DETAIL A/E2.2 FOR ADDITIONAL INFORMATION.

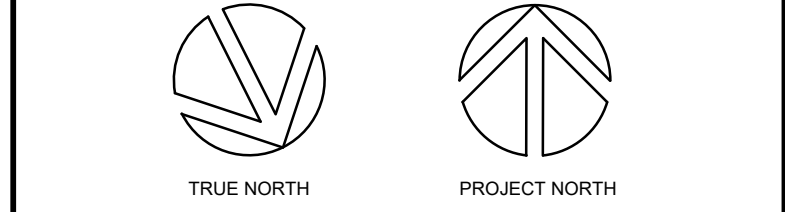


- NOTES**
1. ELV DIMMER SWITCH (Ⓢ) FLUSH MOUNTED TO SIDE OF DISPLAY CASE STRUCTURE.
 2. REFER TO ARCHITECTURAL DETAILS FOR EXACT STRUCTURE/CONSTRUCTION OF DISPLAY CASE.
 3. COORDINATE PLACEMENT OF RECEPTACLE WITH INTERIOR SHELVEING.
- A-DISPLAY CASE LIGHTING DETAIL**
SCALE: N.T.S.



KEYPLAN

--	--



No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2024-03-13

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2024 DEI Consulting Engineers Inc.

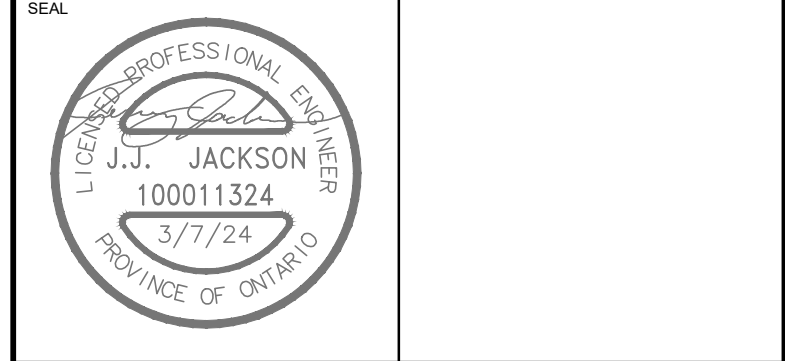


CLIENT
WATERLOO REGION DISTRICT SCHOOL BOARD
51 Ardelt Ave, Kitchener, ON N2C 2R5

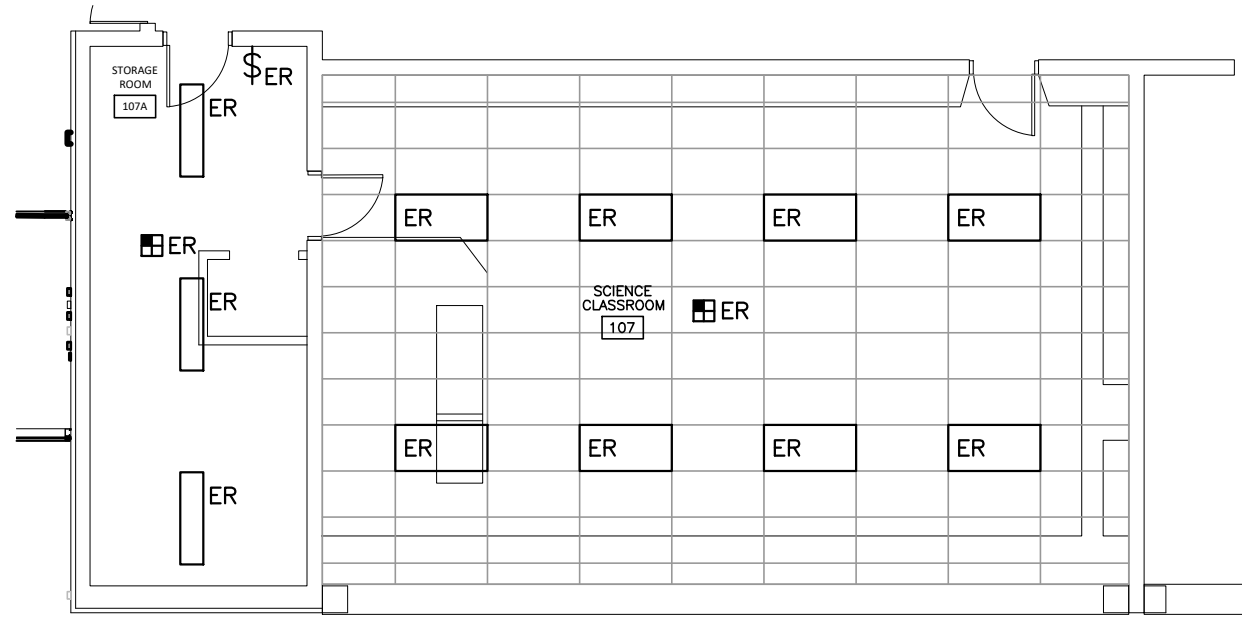
PROJECT
PRESTON HS - RAMP AND WASHROOM RENOVATIONS
550 Rose St. Cambridge, ON N3H 2E6

TITLE
WASHROOMS/ CORRIDOR PARTIAL GROUND FLOOR - RENOVATION PLANS

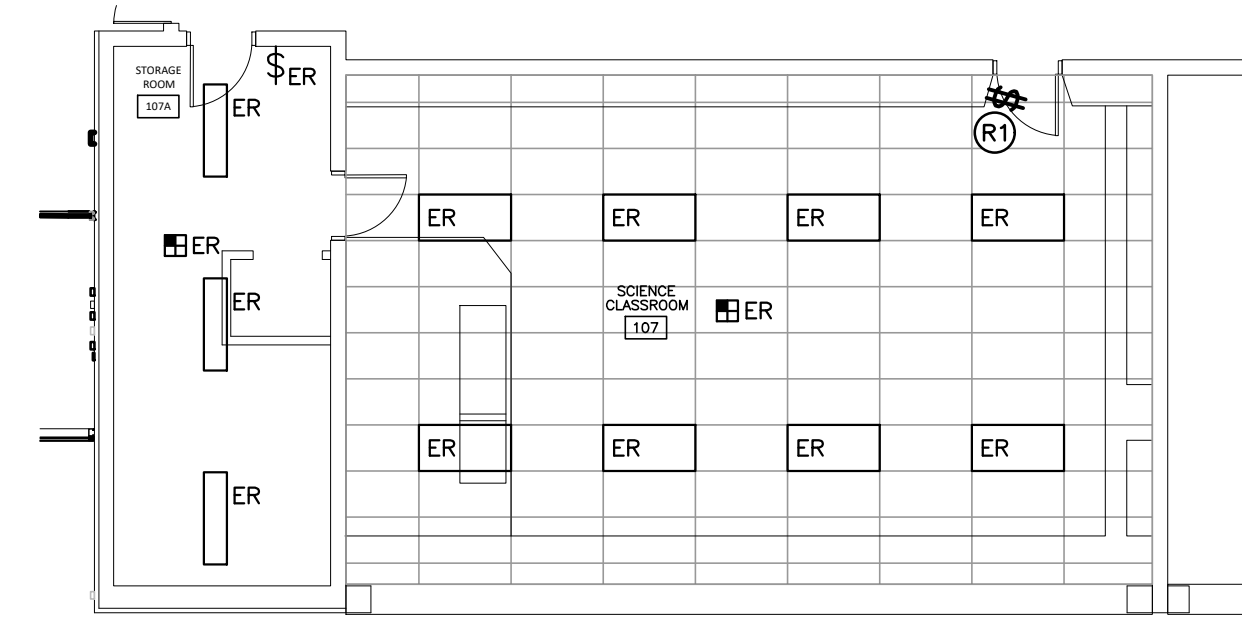
WALTERFEDY
KITCHENER | HAMILTON | TORONTO
800.685.1378 walterfedy.com



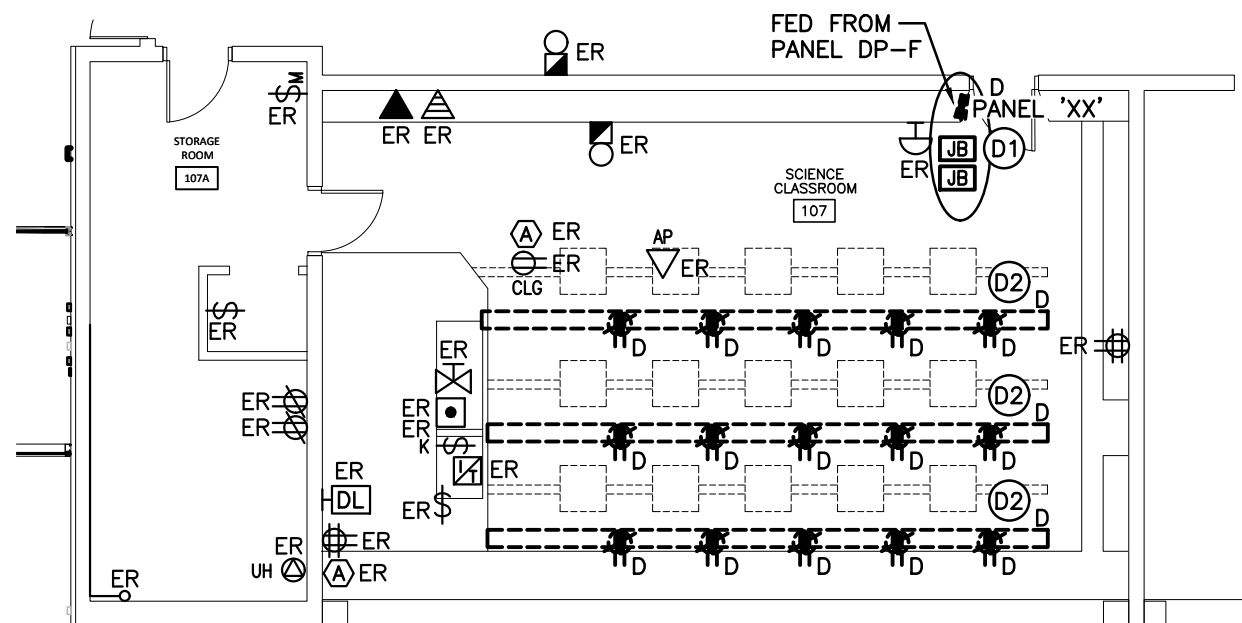
SCALE: As indicated	SHEET NO:
DATE: 2024-01-30	E2.2
PROJECT NO: 2023-0705-11	
DRAWN BY: KZ	
CHECKED BY: SD	



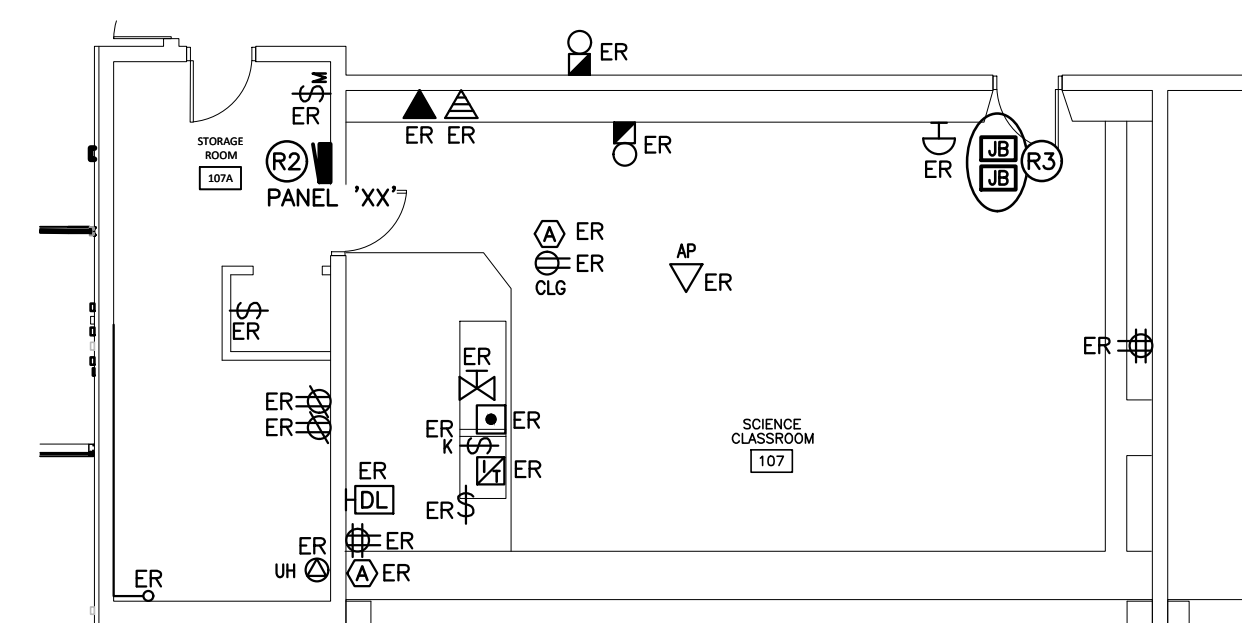
SCIENCE LAB #107 LIGHTING – DEMOLITION
SCALE: 1:100



SCIENCE LAB #107 LIGHTING – RENOVATION
SCALE: 1:100



SCIENCE LAB #107 POWER AND SYSTEMS – DEMOLITION
SCALE: 1:100



SCIENCE LAB #107 POWER AND SYSTEMS – RENOVATION
SCALE: 1:100

GENERAL DEMOLITION NOTES

- 'ER' DENOTES EXISTING ITEM TO REMAIN.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS NOTED OTHERWISE.
- 'R' INDICATES EXISTING ITEM TO BE RELOCATED. REFER TO RENOVATION DRAWINGS AND RELOCATE DEVICE AND WIRING TO SUIT. UNLESS OTHERWISE NOTED.
- 'D' INDICATES EXISTING ITEM TO BE DELETED. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE NOTED DEVICE AND WIRING BACK TO SOURCE.
- ALL LIGHTING FIXTURES BEING RELOCATED SHALL BE CLEANED AND CHECKED PRIOR TO BEING REINSTALLED.

SPECIFIC DEMOLITION NOTES

- D1 INDICATES EXISTING BULLDOG PUSHMATIC PANEL TO BE REMOVED COMPLETE. PULL MAINS AND BRANCH CIRCUIT WIRING UP TO NEW JUNCTION BOXES WITHIN ACCESSIBLE CEILING SPACE. PROVIDE TERMINAL STRIPS AND RE-TERMINATE BRANCH AND MAINS WIRING TO SUIT. PROVIDE PAINTED 16GA STEEL COVER ON EXISTING PANEL TUB.
- D2 INDICATES WIRE TROUGH AND RECEPTACLE MOUNTED IN MILLWORK TO BE DISCONNECTED REMOVED COMPLETE. ALL WIRING TO BE REMOVED COMPLETE BACK TO SOURCE. LABEL SOURCE BREAKER AS SPARE.

GENERAL RENOVATION NOTES

- 'ER' INDICATES EXISTING ITEM TO REMAIN.
- 'R' INDICATES EXISTING ITEM IN RELOCATED POSITION.
- ALL DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.
- EXISTING ELECTRICAL EQUIPMENT NOT SHOWN SHALL REMAIN UNLESS OTHERWISE NOTED.
- MAINTAIN SERVICE TO ALL EXISTING DEVICES TO REMAIN.
- REVISE PANEL DIRECTORIES TO SUIT CHANGES (TYPED).

SPECIFIC RENOVATION NOTES

- R1 REWORK EXISTING LIGHTING CIRCUIT WITHIN THIS AREA TO SUIT NEW LIGHTING CONTROL. MOUNT SWITCHES IN OLD PANEL TUB.
- R2 PANEL SHALL BE AS FOLLOWS:
SURFACE MOUNTED
XXX 120/208V 3PH 4W (CONFIRM PANEL SIZE)
MAIN LUGS ONLY
RECESSED MOUNT
100% NEUTRAL
30 CIRCUIT MINIMUM C/W –
14 X 15A-1P BREAKERS
PROVIDE THE FOLLOWING NEW BREAKERS:

CIRCUIT	BREAKER	DEVICE
XX-1	20A-1P 5mA GF	STAFF WASHROOM #101 HAND DRYER
XX-2	15A-1P 5mA GF	WASHROOM FAUCETS REC.
- R3 FROM JUNCTION BOXES, PROVIDE NEW MAINS WIRING (4#8 T90 CU IN 21mmC) AND BRANCH CIRCUIT WIRING TO NEW PANEL BOARD LOCATION. TERMINATE WIRING ON TERMINAL STRIPS TO SUIT RECONNECTION. VERIFY EXACT CONDITIONS ON SITE AND COORDINATE RE-FEED METHOD WITH CONSULTANT.

CLIENT LOGO



KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2024-03-13

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets, fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2024 DEI Consulting Engineers Inc.



CLIENT

WATERLOO REGION DISTRICT SCHOOL BOARD

51 Ardelt Ave, Kitchener, ON N2C 2R5

PROJECT

PRESTON HS - RAMP AND WASHROOM RENOVATIONS

550 Rose St. Cambridge, ON N3H 2E6

TITLE

SCIENCE LAB #107 - DEMOLITION AND RENOVATION PLANS

WALTERFEDY

KITCHENER | HAMILTON | TORONTO
800.685.1378 walterfedy.com

SEAL



SCALE: As indicated
DATE: 2024-01-30
PROJECT NO: 2023-0705-11
DRAWN BY: KZ
CHECKED BY: SD

SHEET NO:
E2.3

FIRE ALARM SYSTEMS

- .1 INSTALLATION OF FIRE ALARM DEVICES MUST CONFORM TO ULC-S524 (LATEST EDITION).
- .2 ALL WIRING MUST BE COLOUR CODED, SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND CONFORM TO THE LATEST EDITION OF THE ELECTRICAL SAFETY CODE.
- .3 ALL NEW FIRE ALARM DETECTION AND SIGNALING DEVICES ADDED DUE TO RENOVATIONS AND ADDITIONS SHALL BE CONNECTED TO EXISTING LOCAL ZONE OR NEW ZONE AS INDICATED.
- .4 ONCE INSTALLATION IS COMPLETE THE MANUFACTURER'S REPRESENTATIVE MUST MAKE AN INSPECTION OF THE DEVICES INSTALLED.
- .5 THIS TEST MUST CONFORM TO THE ONTARIO BUILDING CODE AND THE LATEST EDITION OF ULC CAN4-S537.
- .6 ALL COSTS ASSOCIATED WITH THIS INSPECTION BY THE CONTRACTOR AND MANUFACTURER MUST BE CARRIED IN THE TENDER PRICE.
- .7 UPON SUCCESSFUL COMPLETION OF TESTING THE MANUFACTURER MUST SUBMIT TO THE CONTRACTOR AND CONSULTANT:
 - A CERTIFICATE OF VERIFICATION
 - FIELD TECHNICIAN VERIFICATION SHEETS FOR EACH DEVICE VERIFIED (INCLUDE COPIES OF SAME IN MAINTENANCE MANUALS)

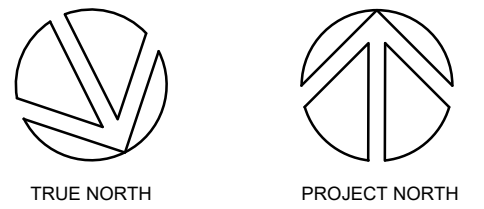
EQUIPMENT

- .1 HAND DRYERS
 - .1 HAND DRYERS WHERE NOTED ON THE DRAWINGS ARE TO BE SUPPLIED AND INSTALLED BY THIS DIVISION WITH THE FOLLOWING FEATURES:
 - .1 SURFACE MOUNTING.
 - .2 FIXED NOZZLE.
 - .3 WHITE FINISH WITH AUTOMATIC ACTIVATION.
 - .4 RATING OF 1800W (20A) AT 120V.
 - .5 NOVA 4-0412
 - .6 APPROVED ALTERNATE: WORLD DRYER CAT. #XA5-2-974.
- .2 CABLE MANAGEMENT HANGERS
 - .1 HANGERS ARE TO BE APPROXIMATELY 150mm (6") X 80mm (3 1/4") CONSTRUCTED FROM 5mm (3/16") X 20mm (3/4") FLAT STEEL BAR FORMED TO RESEMBLE THE LETTER 'G' AND COMPLETE WITH SEVEN (7) MOUNTING HOLES AROUND THE HANGER PERIMETER.
 - .2 HANGERS ARE TO BE MATTE BLACK FINISH AND MUST BE SUITABLE FOR WALL OR SUSPENDED MOUNTING.
 - .3 COORDINATE LOCATIONS ON SITE WITH ALL OTHER SERVICES WITHIN CEILING SPACE.
 - .4 ACCEPTABLE MANUFACTURES ARE AS FOLLOWS:
 - .1 EMF CAT. #H-533-S
 - .2 WIREMOLD CAT. #GH030406
 - .3 MONO SYSTEM CAT. #THE HOOK H-644-A
 - .5 AS AN ALTERNATE TO THE HANGER SYSTEM THE CONTRACTOR MAY USE AS AN EQUAL, ONE RUN OF 50mm (2") X 150mm (6") WIRE MESH CABLE MANAGEMENT SYSTEM EQUAL TO CASLOFIL CAT.# CF-54/150 COMPLETE WITH CAT.# FASL150 WALL BRACKET OR CAT.#FASC200 SUSPENSION BRACKET. HANGERS TO BE INSTALLED AT A MAXIMUM OF 2400mm (8'-0").

CLIENT LOGO



KEYPLAN



No.	ISSUANCE	DATE
1	ISSUED FOR BID AND PERMIT	2024-03-13

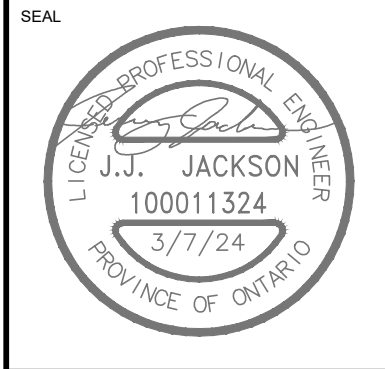
The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work. The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work. The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions. Drawings and specifications, etc., prepared and issued by the consultant are the property of the consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant. Do not scale this drawing. © 2024 DEI Consulting Engineers Inc.



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

PROJECT
PRESTON HS - RAMP AND WASHROOM RENOVATIONS
 550 Rose St. Cambridge, ON N3H 2E6

TITLE
ELECTRICAL SPECIFICATIONS 2 OF 2



SCALE :	As indicated	E3.2
DATE :	2024-01-30	
PROJECT NO :	2023-0705-11	
DRAWN BY :	KZ	
CHECKED BY :	SD	