

June 2, 2025

Brighton Wastewater Treatment System Upgrades

**ADDENDUM NO. 004**

June 2, 2025

Tender Closing Date: June 24, 2025

This Addendum forms part of the Contract Documents and amends the original drawings and specifications. Tenderers are reminded to acknowledge on the Form of Tender that this Addendum has been received.

## **SPECIFICATIONS**

### **General**

**Item No. 1      Section 00170 Instructions to Bidders**

- 1.1      **Revise** 1.4.1.2 to read "Bid forms are to be executed, dated, and submitted electronically to the [www.bidsandtenders.com](http://www.bidsandtenders.com) submissions portal before 1:30 pm local time on June 24, 2025.
- 1.2      **Revise** 1.5.3.1 to read "A public opening will be held for this Tender on June 24, 2025, at 2:00 pm at the Municipal Office located at 35 Alice Street, Brighton Ontario, Council Chamber.

### **Mechanical**

**Item No. 2      Section 11581**

- 2.1      **Revise** Section 11581, item 2.2.4.1.2 to read "Total Media Volume: 1.7 cu m."
- 2.2      **Revise** section 11581, item 2.2.4.1.3 to read "Vessel Dimensions: 5ft diameter: 8ft height"
- 2.3      **Revise** section 11581, item 2.2.4.1.5 to read "Media Bed Inside Dimensions: 5ft diameter, 3.1 ft height"

## **DRAWINGS**

### **Architectural**

**Architectural Drawings (all changes bubbled unless noted otherwise)**

**Item No. 3      Drawing A002 – SITE WIDE TYPICAL DETAILS**

- 3.1      **Replace** detail # 8 as bubbled.

**Item No. 4      Drawing A003 – SITE WIDE TYPICAL DETAILS**

- 4.1      **Add** detail #10 as bubbled.
- 4.2      **Revise** detail 1/A003 callout **to read** Detail 6/A003.
- 4.3      **Revise** detail 6/A003 callout **to read** Detail 7/A003.
- 4.4      **Revise** detail 7/A003 callout **to read** Detail 8/A003.
- 4.5      **Revise** detail 8/A003 callout **to read** Detail 9/A003.

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**Item No. 5      Drawing A005 – SITE WIDE SCHEDULES**

- 5.1      **Add** room 603 - Electrical room to Room Schedule.

**Item No. 6      Drawing A201 – HEADWORKS FLOOR PLAN**

6.1      Detail #1

- .1      **Revise** detail 8/A002 callouts to read 3/A003.
- .2      **Add** detail 6/A003 callout.
- .3      **Revise** detail 3/SA020 callout to read 6/SA020.

**Item No. 7      Drawing A204 – HEADWORKS BUILDING SECTION**

7.1      Detail #1

- .1      **Revise** below grade waterproofing extension as bubbled.
- .2      **Revise** detail 9/A002 callout **to read** 4/A002.

**Item No. 8      Drawing A205 – HEADWORKS WALL SECTIONS**

8.1      Detail #1 and #2

- .1      **Revise** below grade waterproofing extension as bubbled.

**Item No. 9      Drawing A301 – AERATION TUNNEL FLOOR PLAN**

9.1      Detail #1

- .1      **Revise** below grade waterproofing extension as bubbled.
- .2      **Add** note "WATERPROOFING MEMBRANE AND DRAINAGE BOARD TO EXTEND FROM GRADE TO EXTERIOR FACE OF FOOTING FOR FULL PERIMETER OF FOUNDATION, TYPICAL."

**Item No. 10      Drawing A501 – UV BUILDING BASEMENT PLAN**

10.1      Detail #1

- .1      **Revise** below grade waterproofing extension as bubbled.
- .2      **Add** note "WATERPROOFING MEMBRANE AND DRAINAGE BOARD TO EXTEND FROM GRADE TO EXTERIOR FACE OF FOOTING FOR FULL PERIMETER OF FOUNDATION, TYPICAL."

**Item No. 11      Drawing A502 – UV BUILDING GROUND FLOOR PLAN**

11.1      Detail #1

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- .1 **Revise** detail 3/SA050 callout **to read** detail 7/SA050.
- .2 **Add** detail 6/A003 and 9/A003 callout.

**Item No. 12 Drawing A505 – UV BUILDING SECTIONS**

12.1 Detail #1

- .1 **Revise** below grade waterproofing extension as bubbled
- .2 **Add** detail 4/A002 callouts and 1/A002.

12.2 Detail #2 and #3

- .1 **Add** detail 4/A002 callouts and 1/A002.

**Item No. 13 Drawing A505 – UV BUILDING WALL SECTIONS**

13.1 Detail #1

- .1 **Revise** below grade waterproofing extension as bubbled.

13.2 Detail #2

- .1 **Remove** below grade waterproofing extension as bubbled.
- .2 **Revise** detail 2/A002 callout **to read** detail 4/A002.

**Item No. 14 Drawing A601 – PROCESS BUILDING BASEMENT PLAN**

14.1 Detail #1

- .1 **Revise** below grade waterproofing extension as bubbled.
- .2 **Revise** note “WATERPROOFING MEMBRANE AND DRAINAGE BOARD” **to read** “WATERPROOFING MEMBRANE AND DRAINAGE BOARD TO EXTEND FROM GRADE TO EXTERIOR FACE OF FOOTING FOR FULL PERIMETER OF FOUNDATION, TYPICAL.”

**Item No. 15 Drawing A602 – PROCESS BUILDING GROUND FLOOR PLAN**

15.1 Detail #1

- .1 **Add** detail 6/A003 and 9/A003 callout

**Item No. 16 Drawing A605 – PROCESS BUILDING SECTIONS**

16.1 Detail #1

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- .1 **Revise** below grade waterproofing extension as bubbled.
- .2 **Add** detail 7/A002, 1/A002 and 4/A002 callout.
- .3 **Revise** Detail 6/A003 callout **to read** Detail 7/A003. **Revise** detail 5/A003 **to read** detail 4/A003.

16.2 Detail #2, #3 and #4

- .1 **Revise** below grade waterproofing extension as bubbled.
- .2 **Add** detail 7/A002, 1/A002 and 4/A002 callouts.

**Item No. 17 Drawing A606 – PROCESS BUILDING WALL SECTIONS**

17.1 Detail #1

- .1 **Revise** below grade waterproofing extension as bubbled.

17.2 Detail #2

- .1 **Revise** Detail 2/A002 callout **to read** Detail 4/A002.
- .2 **Revise** below grade waterproofing extension as bubbled.

17.3 Detail #3

- .1 **Add** detail callout 8/A003.
- .2 **Revise** Detail 8/A003 callout **to read** Detail 9/A003.

**Item No. 18 Drawing A801 – ADMINISTRATION BUILDING GROUND FLOOR PLAN**

18.1 Detail #1

- .1 **Add** detail 6/A004 and 9/A004 callout.

**Item No. 19 Drawing A805 – ADMINISTRATION BUILDING SECTIONS**

19.1 Detail #1 and #2

- .1 **Revise** below grade waterproofing extension as bubbled.
- .2 **Add** detail 1/A004, 2/A004, 3/A004, 4/A004 and 5/A004 callout.

**Item No. 20 Drawing A806 – ADMINISTRATION BUILDING WALL SECTIONS**

20.1 Detail #1, #2 and #3

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- .1 **Revise** below grade waterproofing extension and under slab insulation as bubbled.

**Item No. 21 Drawing A806 – ADMINISTRATION BUILDING ENLARGED WASHROOM PLANS AND ELEVATIONS**

- 21.1 Detail #2, #3, #4, #5, #6, #7, #8 and #9.

- .1 **Add** ceramic tile base extension

**Civil**

**Item No. 22 Drawing C006 – GRADING PLAN – OUTFALL**

- 22.1 **Add** grades as shown on C006.

**Mechanical**

**Item No. 23 Drawing MID001 – MECHANICAL SCHEDULES SHEET 1**

- 23.1 **Revise** Odour Control Unit Schedule as bubbled.  
23.2 **Add** EBB 9816 to Unit Heater and Cabinet Heater Schedule.

**Item No. 24 Drawing PM005 – PROCESS AND MECHANICAL STANDARD DETAILS**

- 24.1 **Revise** detail 10/PM005 as bubbled.

**QUESTIONS**

**Questions from Bidders**

**Item No. 25 I am looking to get the list of general contractors bidding this project. Can you please provide the GC list.**

- 25.1 The sign-in-sheet from the site meeting held on May 26<sup>th</sup>, 2025 is included with Addendum No. 004.

**Item No. 26 Upon review of the architectural drawings the extent of the under slab and foundation waterproofing is very vague. Several details do not coincide with each other, or are missing details. Please review these drawings and confirm the extent of the waterproofing requirements.**

- 26.1 Refer to attached A-SK001 Site wide Waterproofing Plan to clarify under slab and foundation waterproofing extent. Refer to Addendum 004 for updated Architectural drawings.

**Item No. 27 Do the channels in rooms 200 and 500 require floor and wall sealant?**

- 27.1 Requirements for all liquid retaining concrete structures (i.e. channels) are defined in Division 3 specifications.

**Item No. 28 Room 603. Is an epoxy finish required?**

- 28.1 Yes, Electrical room 603 requires Epoxy floor finish. Schedule has been updated, refer to drawing A005.

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- Item No. 29**      **Does this job strictly require union labor?**
- 29.1      No
- Item No. 30**      **At the Drawings there is no cove base in the washrooms, but in the specifications, there is a cove base same as tile floor. My question is which one should I follow? Also, what would be the high of the cove base?**
- 30.1      The washrooms have areas with and without tile on the walls. In sections where both the floor and walls are tiled, cove base is not required. However, in sections with only floor tiles, cove base is required. Refer to drawing A809 for wall tile and base extension.
- 30.2      Height of cove base: 102mm (1 tile full height)
- Item No. 31**      **As per the attached preliminary drawing steel jambs extension and a motor mount are required to install the overhead door. The jamb extensions would need to be 3" wide need to extend at least 48" above the header. These are currently not indicated on the drawings.**
- 31.1      There is sufficient space for the jamb extension noted. These details are to be provided to the consultant for review in a shop drawing.
- Item No. 32**      **Drawing C003 does not indicate the type of pipe from the Decant SPS to MH21.**
- 32.1      Pipe to be 4710 HDPE at DR 32.5 with flanged connection as required for pump station and telescoping valve.
- Item No. 33**      **Can the location of the existing plant influent pipe please be shown on C002.**
- 33.1      Existing incoming influent pipe is shown on DC001.
- Item No. 34**      **Can profile drawings be provided for the new yard piping?**
- 34.1      Refer to crossing inverts shown on site servicing. Profile drawing would be overly cluttered for use.
- Item No. 35**      **On C004 there is a missing section of grading required in the north swale, please provide.**
- 35.1      Contractor is expected to construct a swale approx. 50m long draining north, with 5:1 side slopes, flaring out towards the creek.
- Item No. 36**      **There is no grading information provided on C006, please provide.**
- 36.1      Refer to Addendum No. 004, Item No. 22.
- Item No. 37**      **Referencing MH14, please verify the inverts are correct, as the inlet is currently shown 1.4m below the outlet.**
- 37.1      The pipe is being installed understanding that flow will be in a submerged condition and has been calculated as such.

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- Item No. 38**     **Drawings ME001, ME002 and ME003 - Confirm that the commissioning of these devices does not rest solely on the General Contractor, As the act of commissioning involves all parties (Owner, Engineer, Integrator, Equipment Supplier, Mechanical and Electrical).**
- 38.1     The general contractor is responsible for the scheduling and organisation of all commissioning activities including activation of any sub-contractors required for the specific commissioning activity. Refer to specification 01020 section 1.1-1.6 for specific commissioning responsibility of all parties.
- Item No. 39**     **Drawing ME002 - What is 'C'?**
- 39.1     All instances labeled 'C' and associated with the Longitudinal collectors are to be provided by the Systems Integrator (SI)
- 39.2     All instances labeled 'C' and associated with the Surface Aspirators collectors are to be provided by the Electrical Contractor (E) "
- Item No. 40**     **Drawing ME002 - Shouldn't the auger starters be supplied by either Mechanical or Electrical?"**
- 40.1     Refer to specification 11330 for mechanical screening system. Starters for equipment associated with the screening system (G-2101, MS-2101, MS2102, SCV-2101) are located in MCP-2100 and are to be provided by the Process Equipment Supplier (PS) in lieu of General Contractor (G)
- Item No. 41**     **Drawing ME003 - What is 'O'?**
- 41.1     Automated samplers SMP 2001 and SMP 4001 are to be provided by Owner (O) (Municipality of Brighton) in lieu of Process Equipment Supplier (PS). Commissioning is to be provided by General Contractor (G) in lieu of 'O' (Owner)
- Item No. 42**     **Drawing ME003 - Shouldn't the screw conveyor starters be supplied by either Mechanical or Electrical?"**
- 42.1     Refer to Addendum No.004, Item No. 40.
- Item No. 43**     **Confirm that 10 – 20 M are to run horizontally through the conduit chairs.**
- 43.1     4 x 20M reinforcing bars, in lieu of 10 x 20M reinforcing bars, are to be run horizontally at the four corners of the ductbank.
- Item No. 44**     **Provide the rebar size for the ones running horizontally in the four outside corners of the ductbank.**
- 44.1     20M reinforcing bars in the four outside corners of the ductbank.
- Item No. 45**     **01020 1.19.2 Please note that XXX acknowledges that in the event of a non-conformance related to commissioning protocol, corrective measures will be taken to rectify the issue as recommended by the independent testing agency and subject to approval by the Commissioning Manager and Consultant. XXX intends to rectify the equipment rather than reject and replace it, except in cases where the equipment is irreparably compromised, cannot be repaired, or the manufacturer's warranty is invalidated. Please confirm this is acceptable.**
- 45.1     This approach to non-conformance is considered reasonable.

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**Item No. 46** 11347 1.3.1.7.8 Please note that for submittals, only generic screens can be provided. Project-specific screens will be supplied after programming is completed to ensure they are accurately reflected in the O&M manuals.

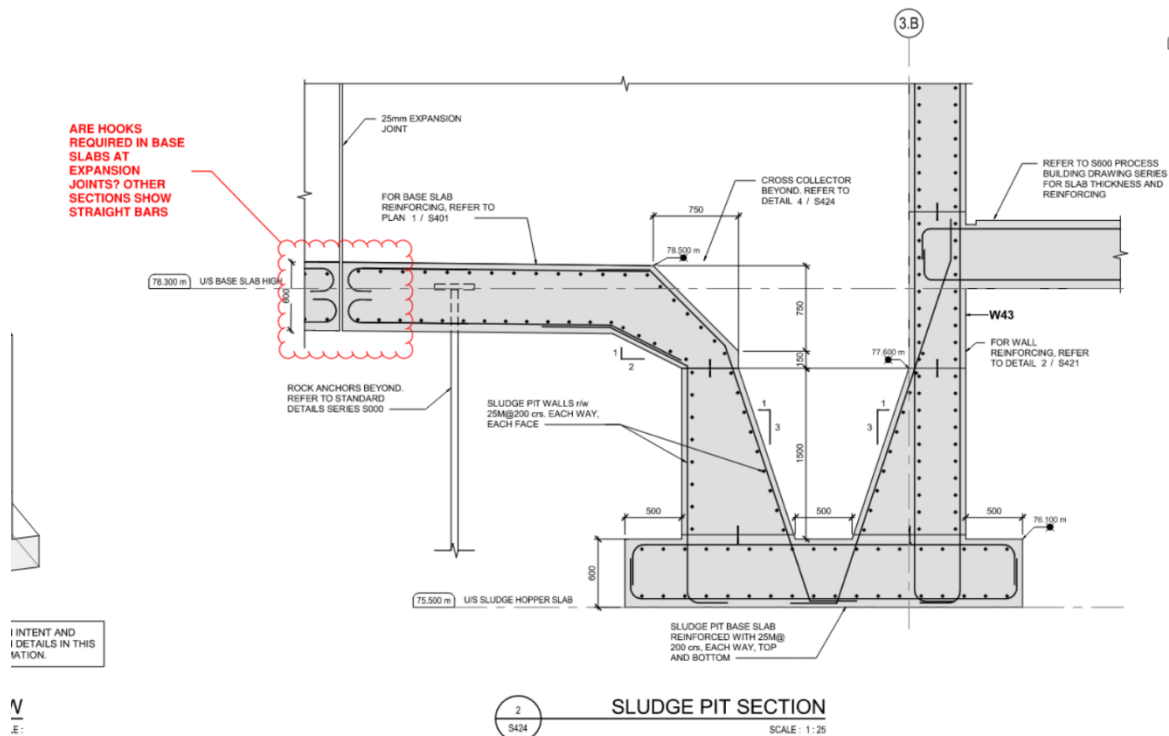
46.1 Submission of generic screens with the submittal and project-specific screens with the O&M manuals is acceptable. Please note that O&M manuals must be submitted prior to equipment start-up in accordance with specification 15014.

**Item No. 47** Drawing P701 indicates both 2 and 3 access hatches and drawing S700 mentions to provide hinged grating panels.

47.1 Refer to Section 11312, Item 2.5.1.

**Item No. 48** Are hooks required in base slabs at expansion joints? Section 2/S424 shows hook and there are multiple other sections that do show straight bars. See below details.

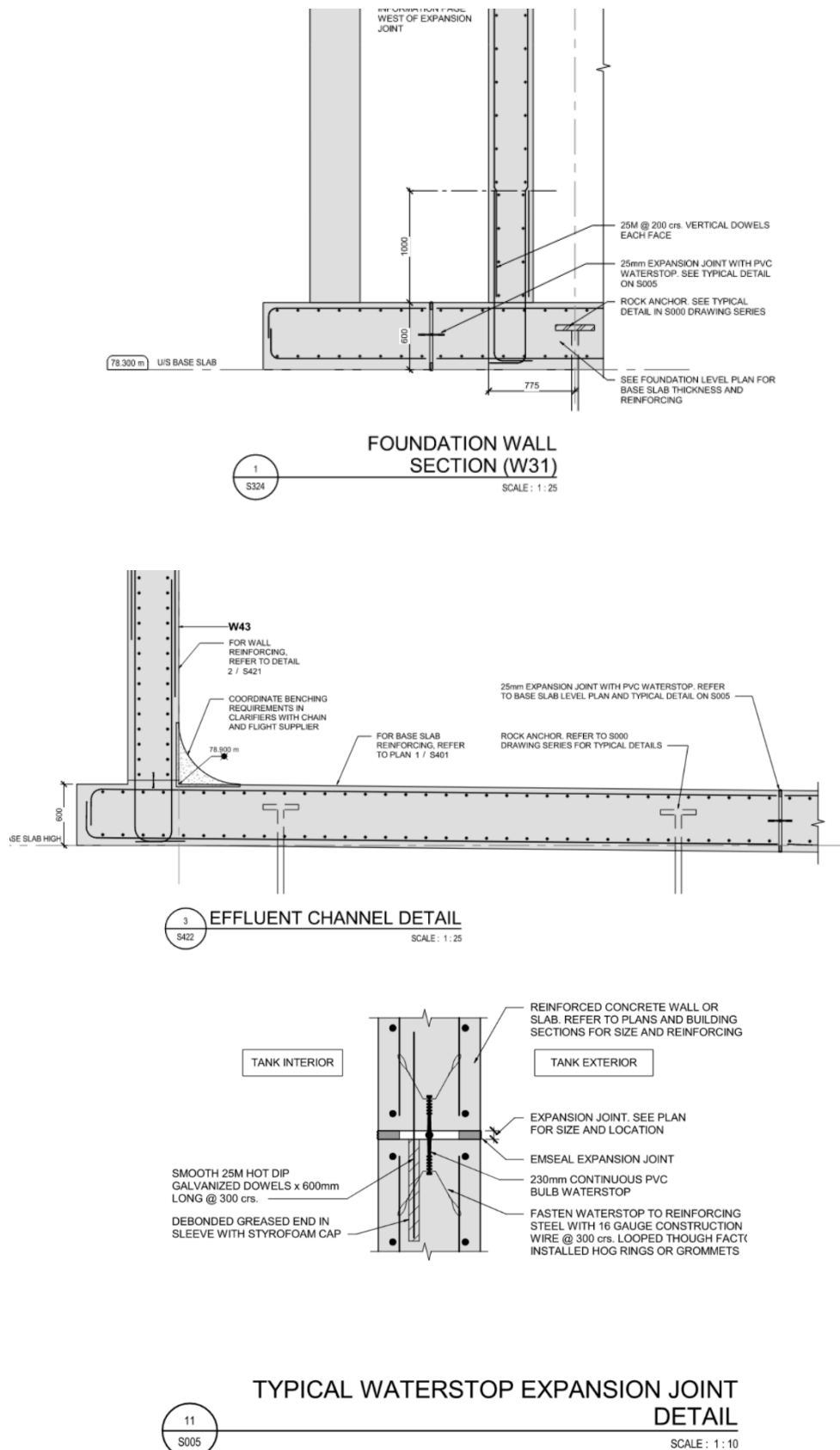
2/S424 shows hooks on the base slab bars at expansion joints.



Section 1/S324, 3/S422, and 11/S005 shows straight bars



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- 48.1 Straight bars can be provided in base slabs where bars terminate at locations of expansion joints.

**Item No. 49 Drawing S620. Confirm that rigid is not required under the Ferric containment slab.**

- 49.1 Per Section 2 / S010, the intent is to have free draining granular backfill under the ferric containment pad extending below frost depth. Therefore, rigid insulation would not be required.

**Item No. 50 All Structural drawings. Confirm that rigid insulation is not required under the exterior slabs.**

- 50.1 Rigid insulation is required under all exterior equipment pads as per Detail 1 / S006. Other exterior concrete slabs shall be constructed per Detail 2 / S006 or other details as applicable.

**Item No. 51 Can the following language be inserted into the contract?**

**“In the case where tariffs (imposed by the US, Canadian, and/or other countries) are imposed and have direct and verifiable impacts on materials necessary for this project, the Owner will provide appropriate monetary compensation to the Contractor. The Contractor would be required to provide documentation to support any request for compensation (letters from suppliers, proof of material costs at the time of bidding, revised quotes for material costs at the time of supply, etc).”**

- 51.1 There will be no change to the contract language. The project team understands the significant impacts the market conditions can result in. The Municipality and Consultant will review the cost/ schedule impacts due to tariffs (and all other market conditions) with the contractor. Such impacts can be submitted via documentation after contract award to support the change. Contractors are encouraged to submit the true costs at time of tender closing.

**Item No. 52 The contingency allowance. On the form of tender, it is \$3,500,000.00, but in section 01210.1.3.1, it states \$3,680,000.00. Please clarify.**

- 52.1 Refer to Addendum No.1, Item No.1.

**Item No. 53 Would you please confirm that the Owner will take care of all Building Permit fees.**

- 53.1 Yes. The owner will take care of the building permit fees.

**Item No. 54 Confirm if subcontractors are to be bonded. If so, which disciplines?**

- 54.1 No bonding is required for subcontractors.

**Item No. 55 Confirm that all statements are emailed to [brighton@jlrichards.ca](mailto:brighton@jlrichards.ca)?**

- 55.1 Yes.

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**Item No. 56 Can Statements 'A' and 'B' also be provided 24 hours after the closing?**

56.1 No. Statements A and B need to be provided at tender closing.

**END OF ADDENDUM NO.004**

Prepared by:

J.L. RICHARDS & ASSOCIATES LIMITED



Susan Jingmiao Shi,  
Associate; Senior Environmental Engineer;  
Practice Lead, Regional Market

SJS:rc

cc: All Plan Takers

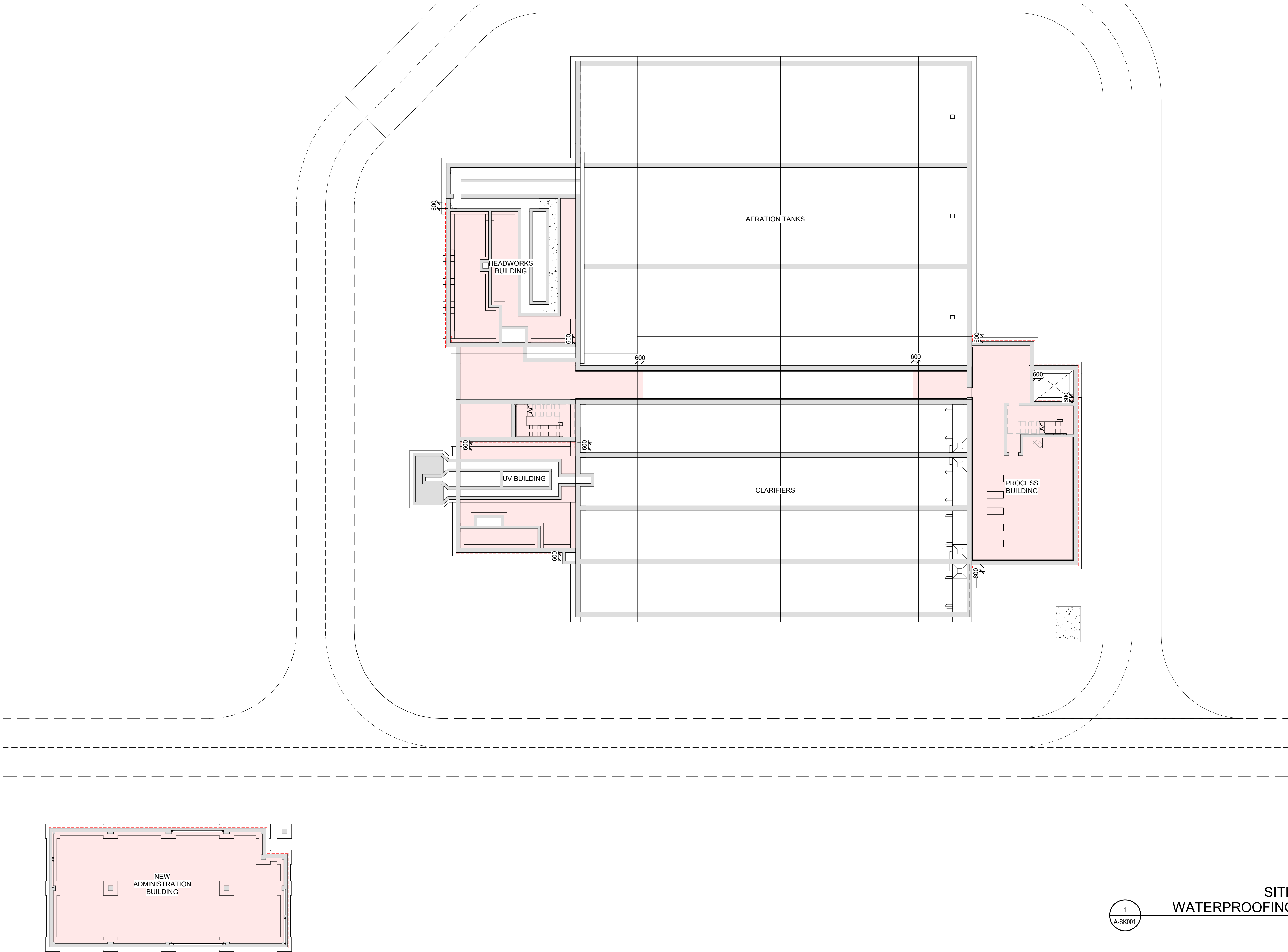
Addenda to Date:

Addendum 001	May 12, 2025
Addendum 002	May 20, 2025
Addendum 003	May 26, 2025
Addendum 004	June 2, 2025

WATERPROOFING SITE  
PLAN LEGEND


- UNDERSLAB WATERPROOFING
- FULL HEIGHT WATERPROOFING MEMBRANE

NOTE:  
1. REFER TO BUILDING SECTIONS AND WALL SECTIONS FOR WATERPROOFING VERTICAL EXTENT  
2. WHEREVER THERE IS UNDERSLAB WATERPROOFING, WRAP DOWN 600MM TYPICAL AND SEAL TO FOUNDATION.



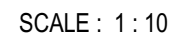
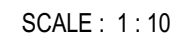
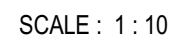
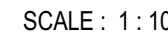
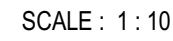
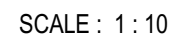
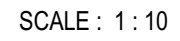
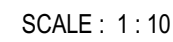
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A-SK001

SITE WIDE  
WATERPROOFING PLAN  
SCALE: 1:200

PROJECT:	BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES 100 COUNTY ROAD 64, BRIGHTON, ONTARIO		
DRAWING:	SITE WIDE WATERPROOFING PLAN		
 J.L. Richards ENGINEERS ARCHITECTS PLANNERS www.jrichards.ca	This drawing is copyright protected and may not be reproduced or used for purposes other than execution of the described work without the express written consent of J.L. Richards & Associates Limited	DESIGN: SC/KA	ISSUED FOR ADDENDUM 1
		DRAWN: NP	
		CHECKED: HB/SC	DRAWING #: A-SK001
		JLR #: 32296-001	

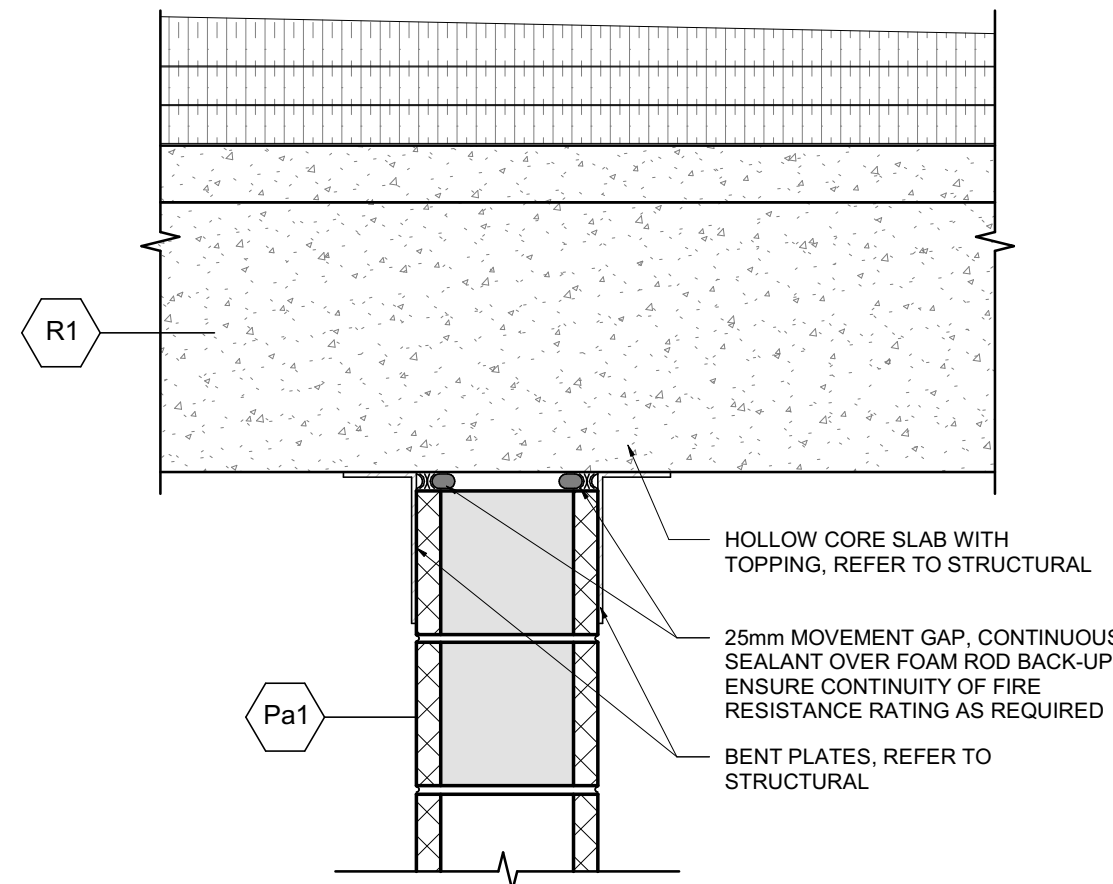
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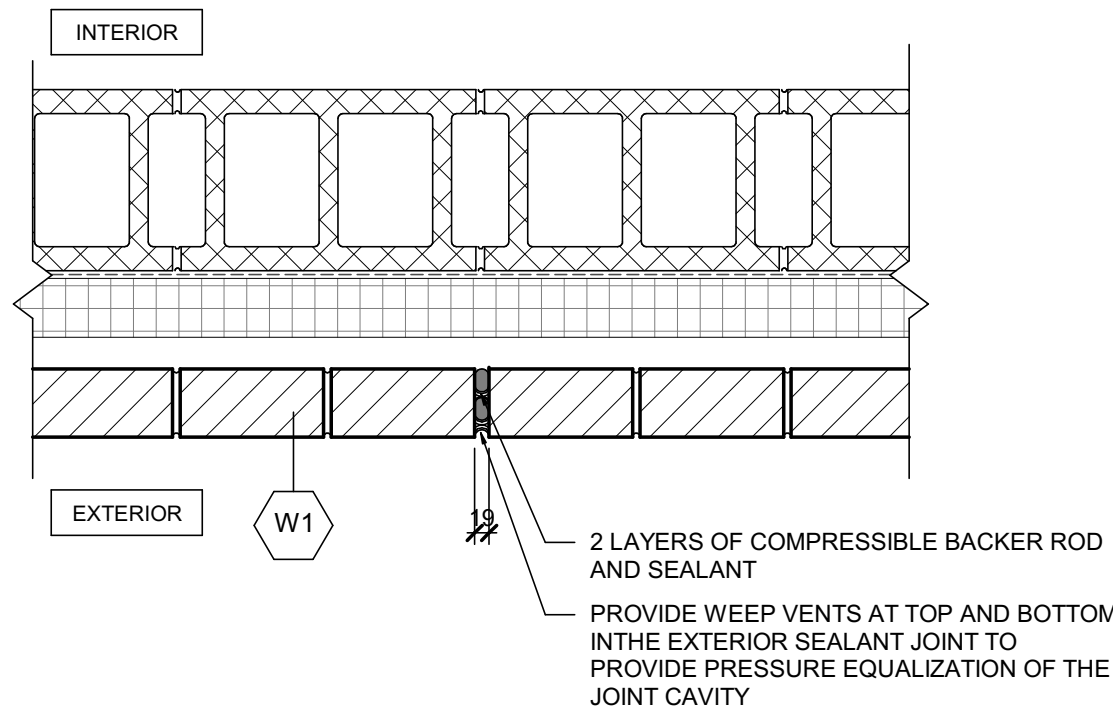
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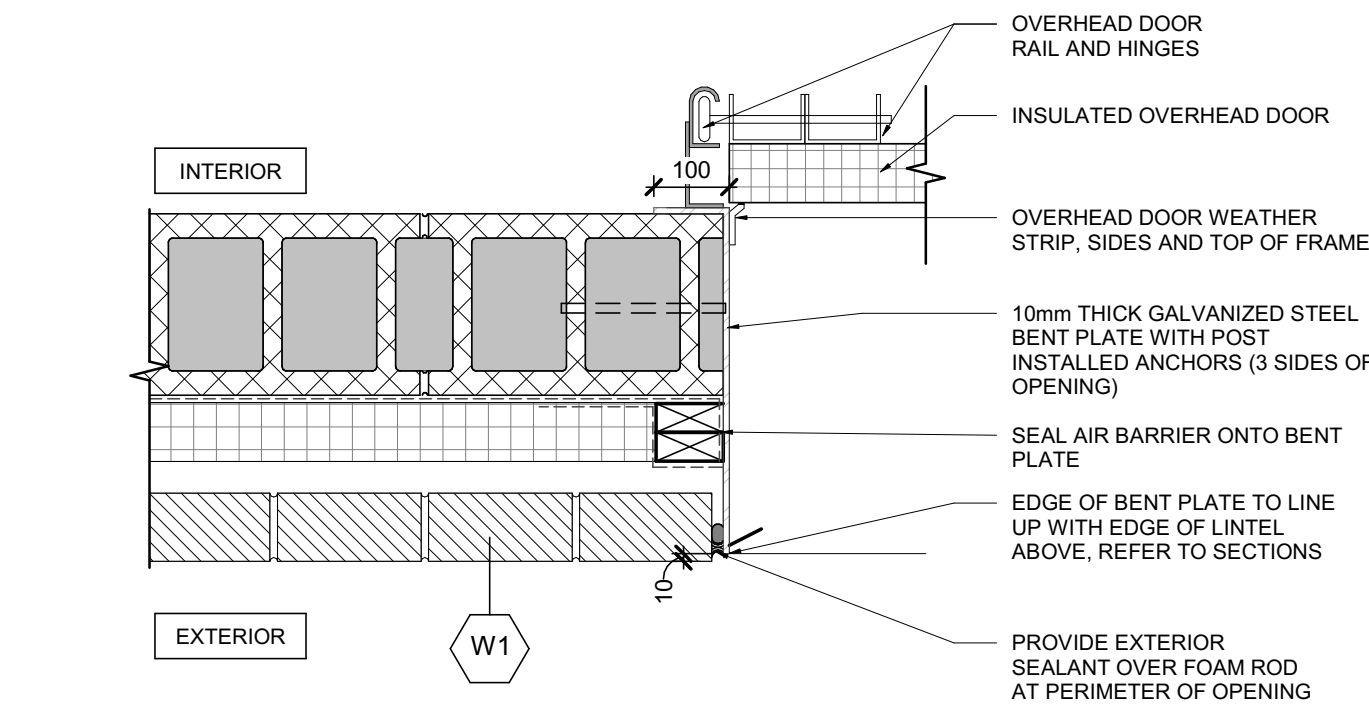
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A003  
TYPICAL INTERIOR CONCRETE BLOCK PARTITION@ HOLLOW CONCRETE SLAB

SCALE : 1 : 10



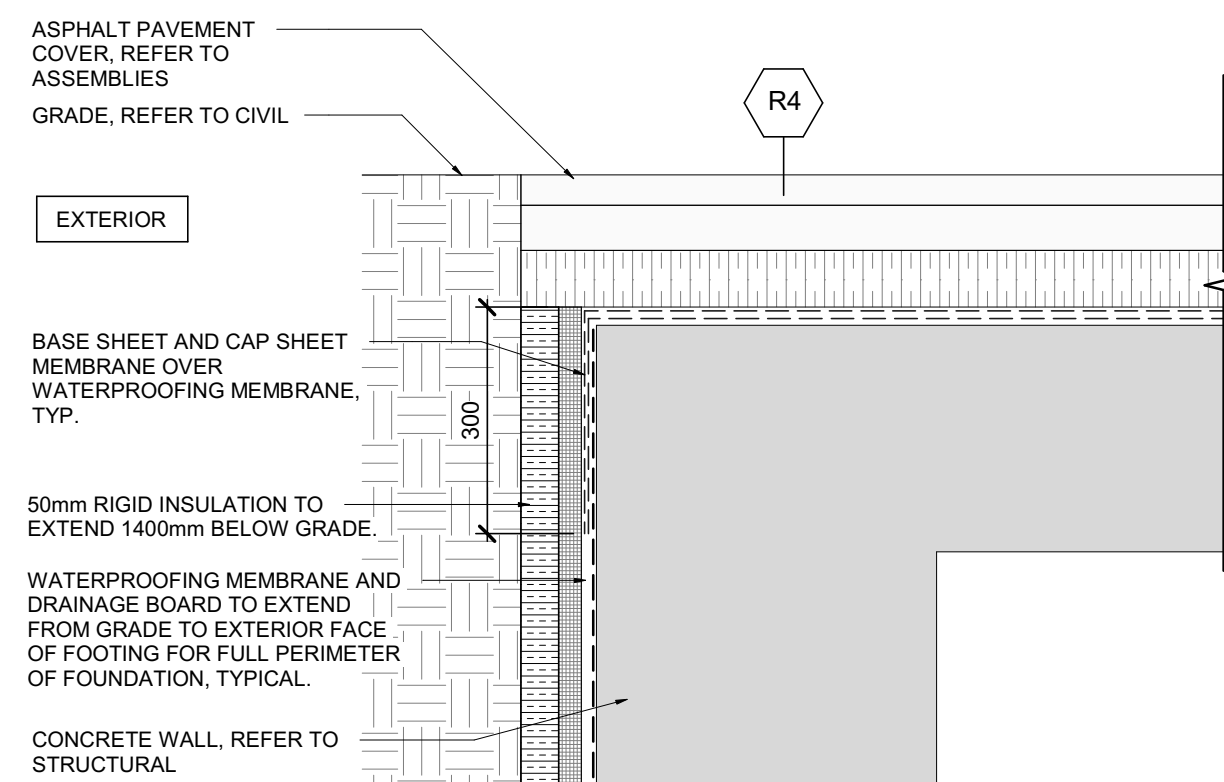
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A003  
TYPICAL CONTROL JOINT PLAN DETAIL

SCALE : 1 : 10



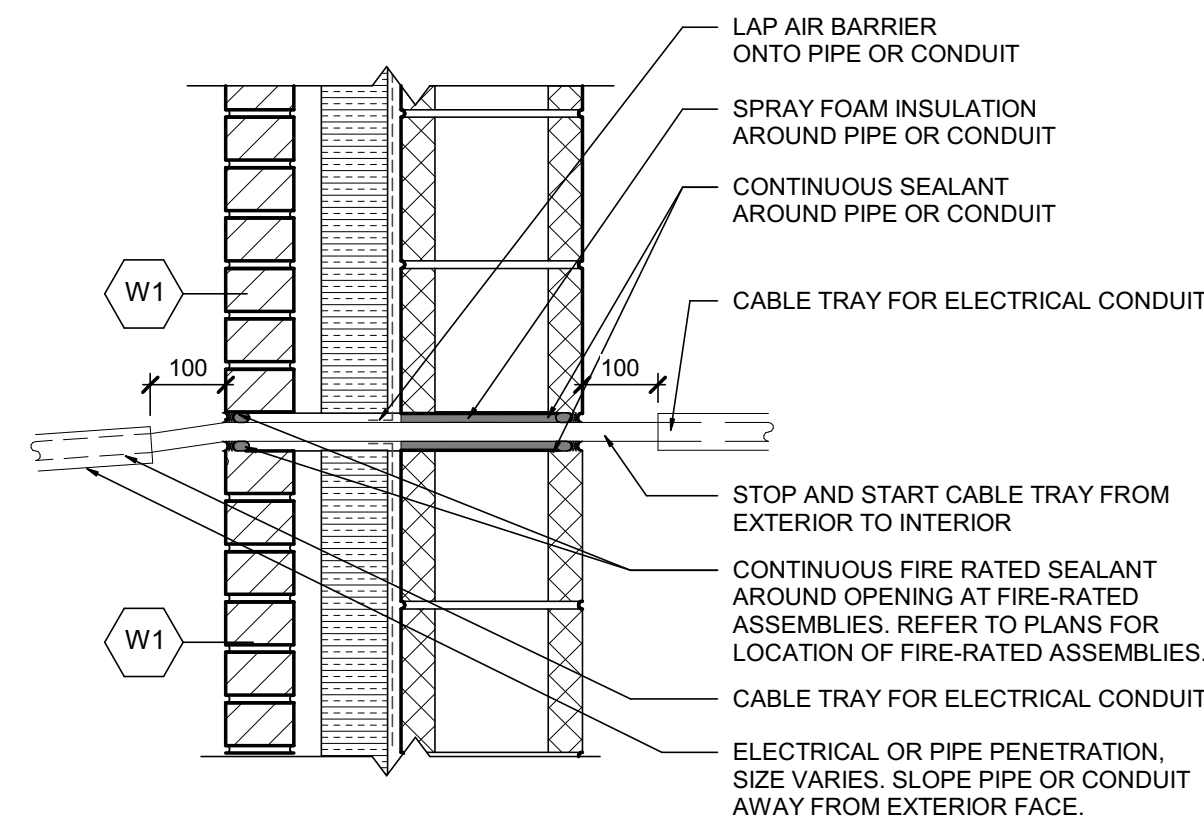
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A003  
TYPICAL OVERHEAD DOOR ANCHOR

SCALE : 1 : 10



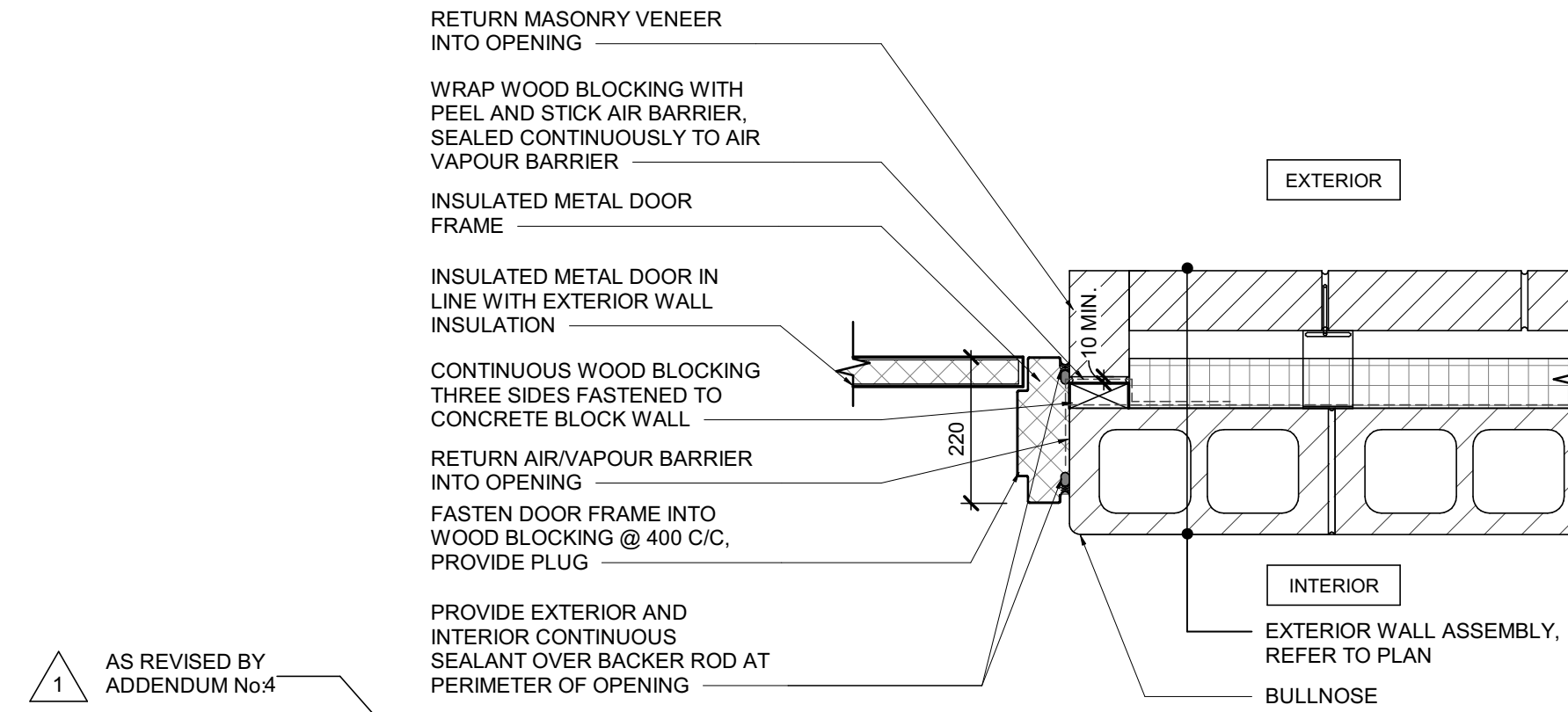
4  
A003  
GRAVEL ROOF DETAIL @BELOW GRADE WALL

SCALE : 1 : 10



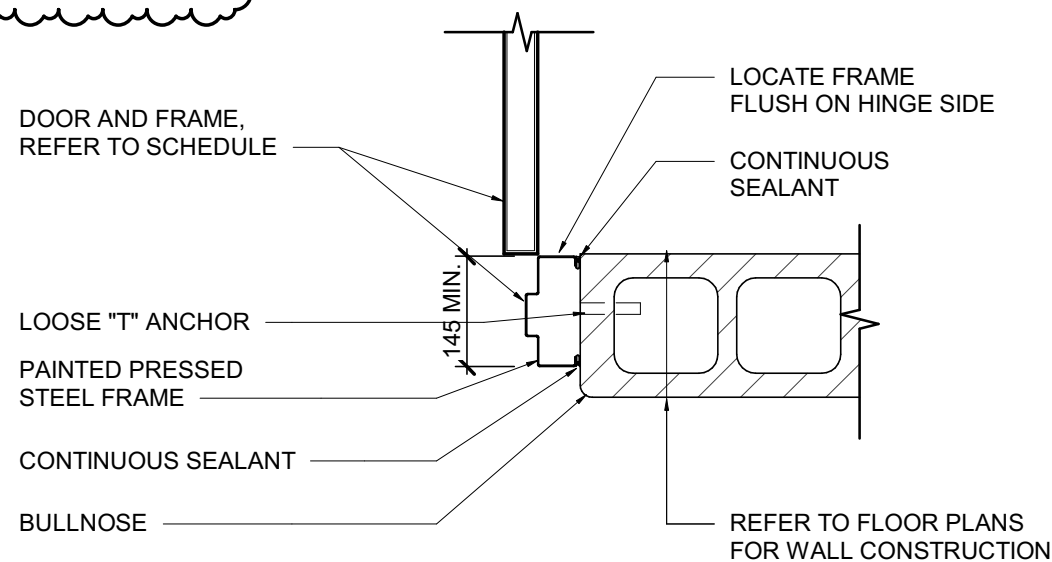
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A003  
TYPICAL ELECTRICAL OR PIPE PENETRATION @ CONCRETE BLOCK

SCALE : 1 : 10



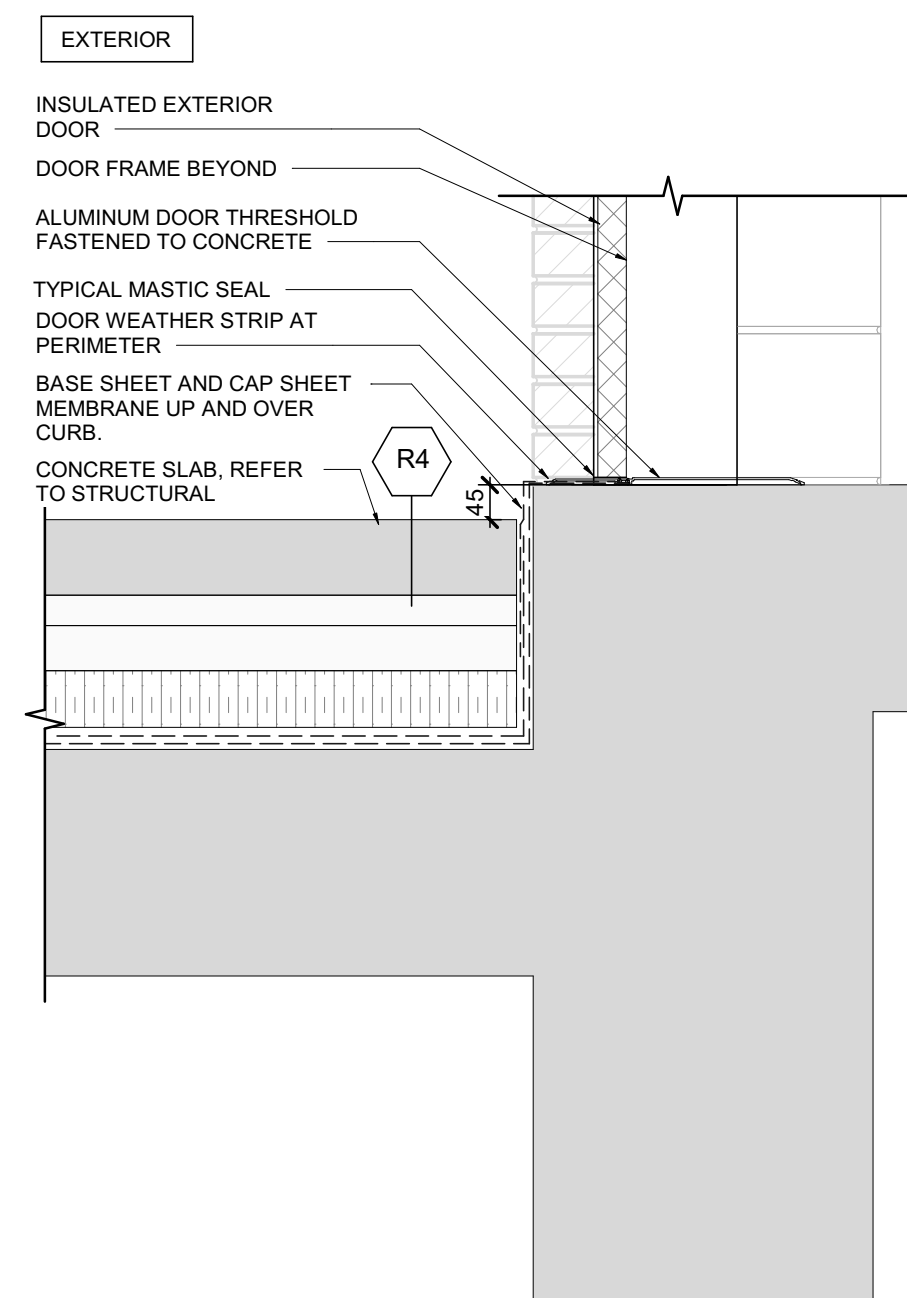
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A003  
TYPICAL EXTERIOR DOOR JAMB @ CONCRETE BLOCK

SCALE : 1 : 10



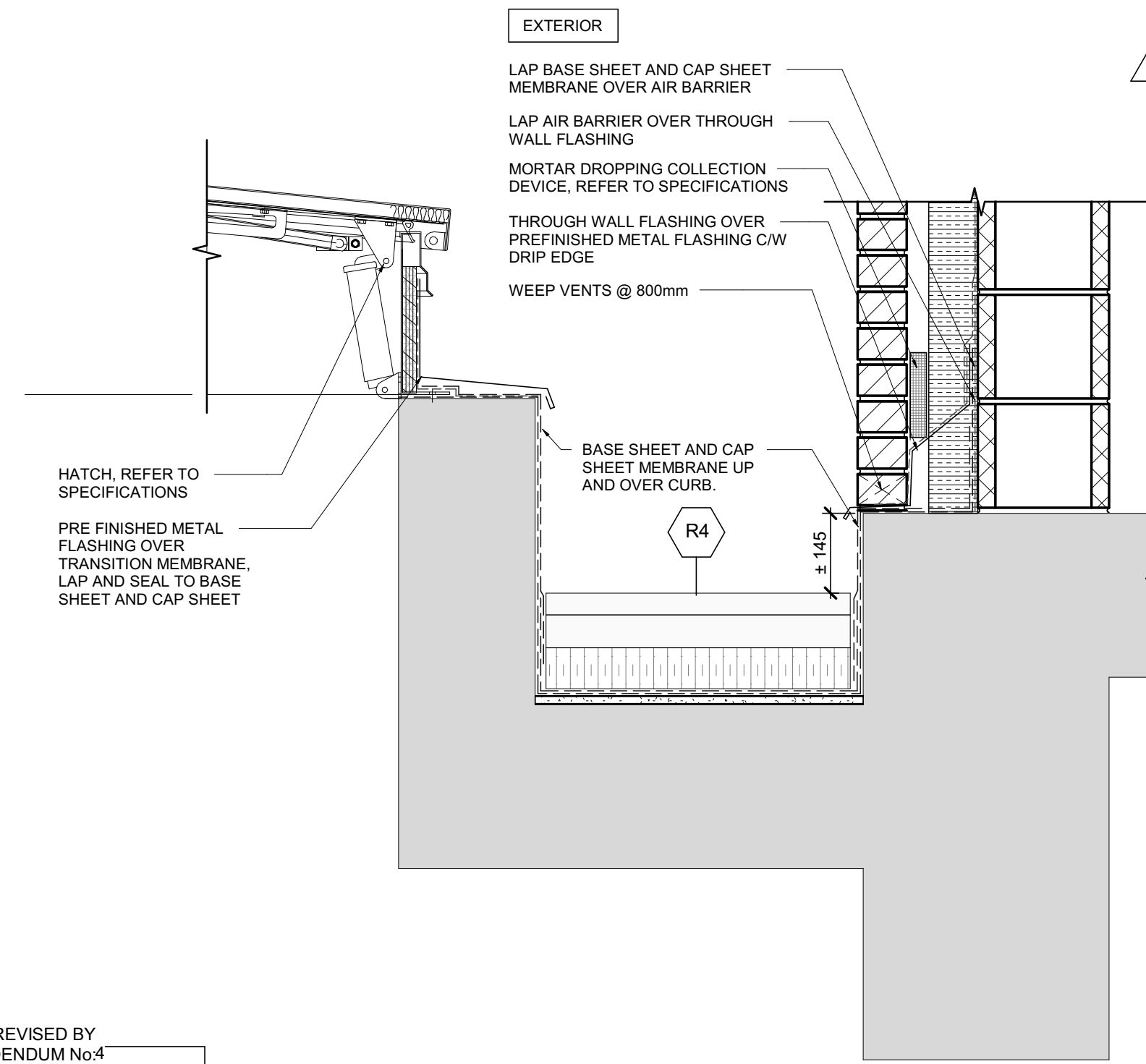
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A003  
TYPICAL INTERIOR DOOR JAMB @ CONCRETE BLOCK

SCALE : 1 : 10



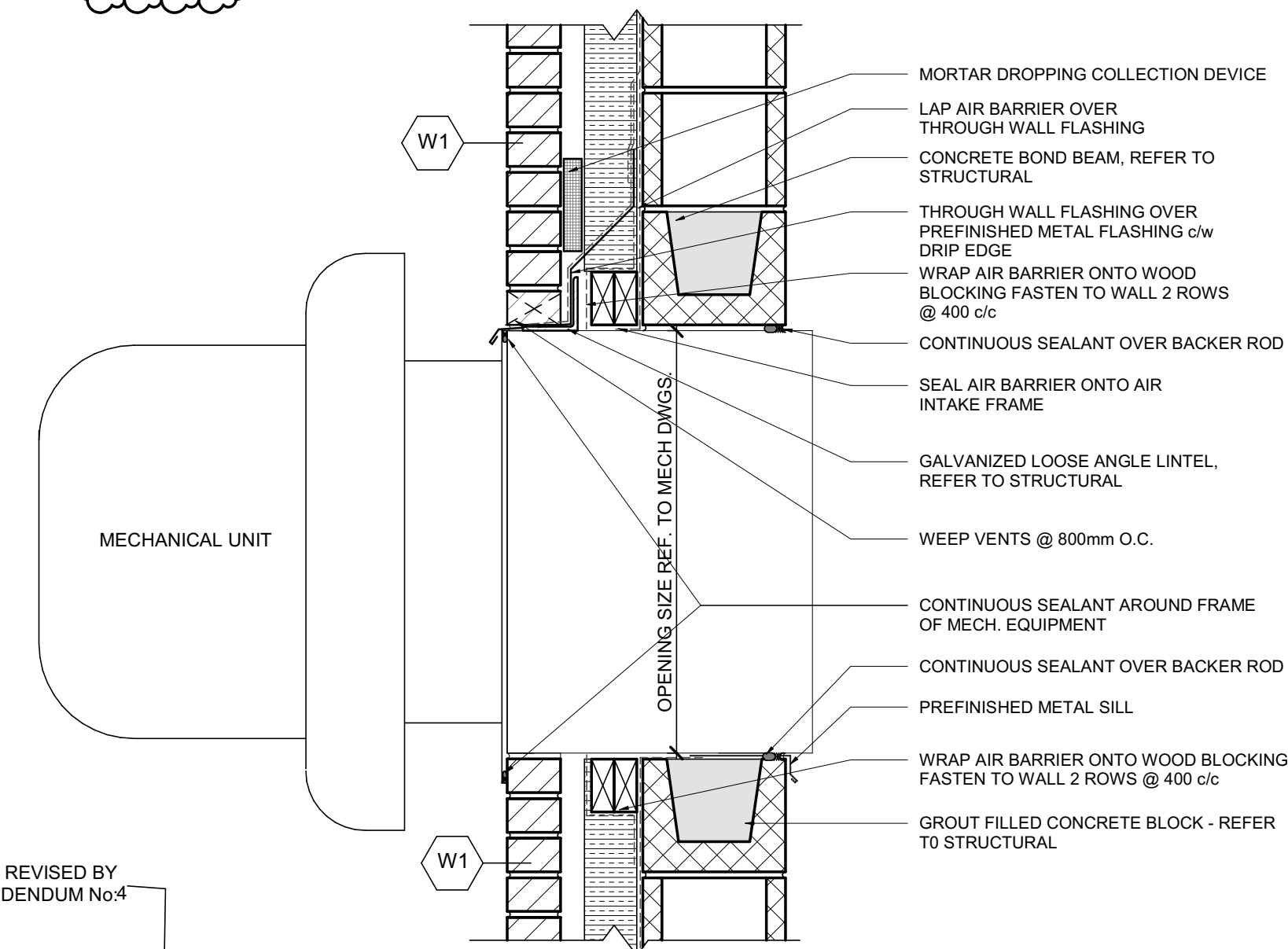
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A003  
GRAVEL ROOF DETAIL @DOOR THRESHOLD

SCALE : 1 : 10



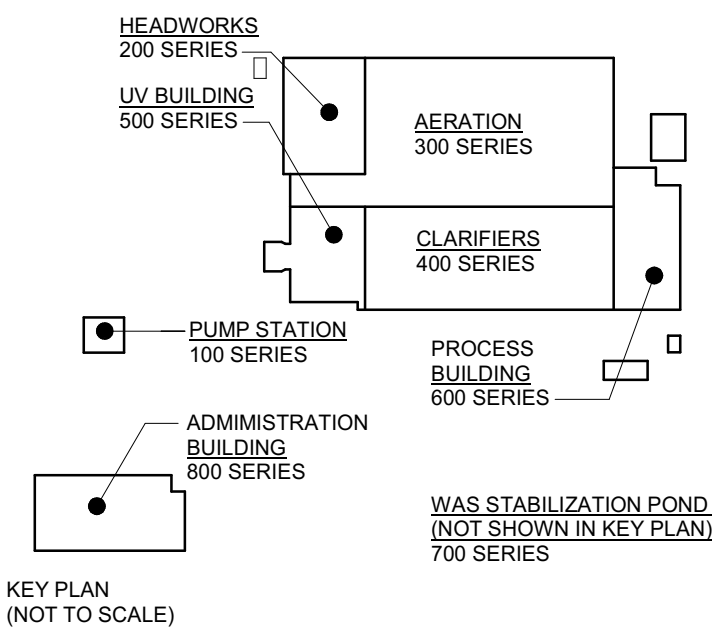
8  
A003  
FLOOR HATCH DETAIL @ABOVE GRADE WALL

SCALE : 1 : 10



10  
A003  
MECH. FAN SECTION DETAIL

SCALE : 1 : 10



DESIGN DOCUMENTS HEREIN HAVE BEEN DESIGNED UNDER THE ONTARIO BUILDING CODE 2012.

1	ISSUED FOR ADDENDUM 004	28/05/2025
0	ISSUED FOR TENDER	25/04/2025
No.	ISSUE / REVISION	DD/MM/YY

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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING. 0 25mm

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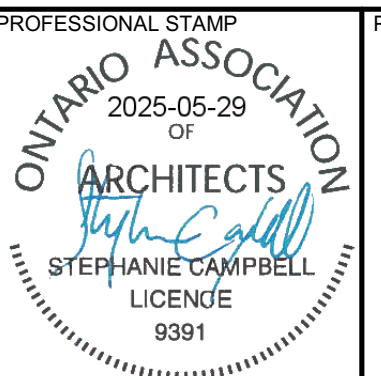
CLIENT:



CONSULTANT: www.jrichards.ca



CONSULTANT:



PROJECT NORTH

PROJECT: BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES  
100 COUNTY ROAD 64, BRIGHTON, ONTARIO

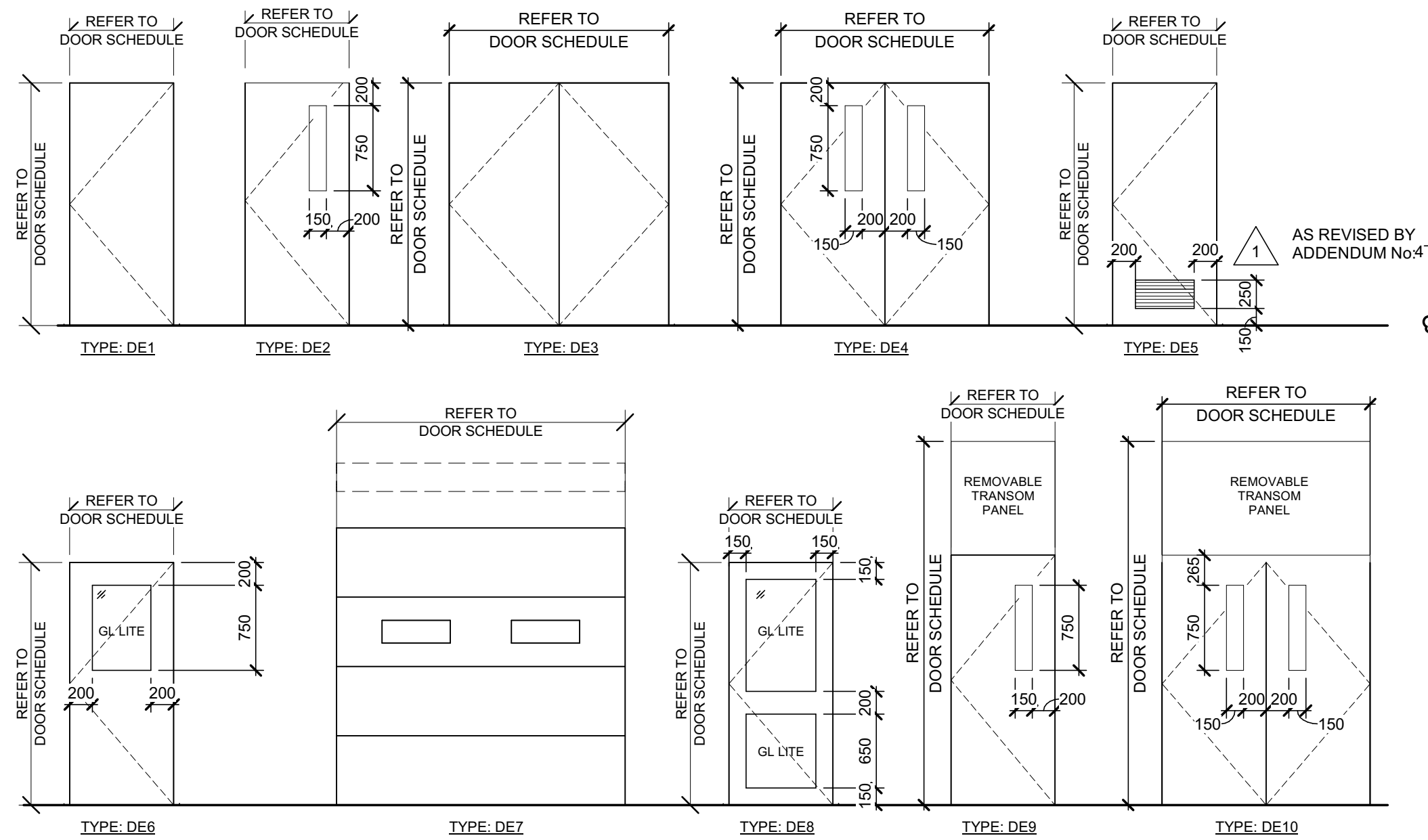
DRAWING: ARCHITECTURAL SITE-WIDE  
TYPICAL DETAILS

DESIGN: SC/KA  
DRAWN: NP  
CHECKED: HB/SC  
JLR #: 32296-001  
DRAWING #: A003

File Location: C:\Users\NParadesa\Documents\32296 A-Architecture Site R23 - NParadesa\Hall.rvt PLOT DATE: 28/05/2025 2:52:08 PM



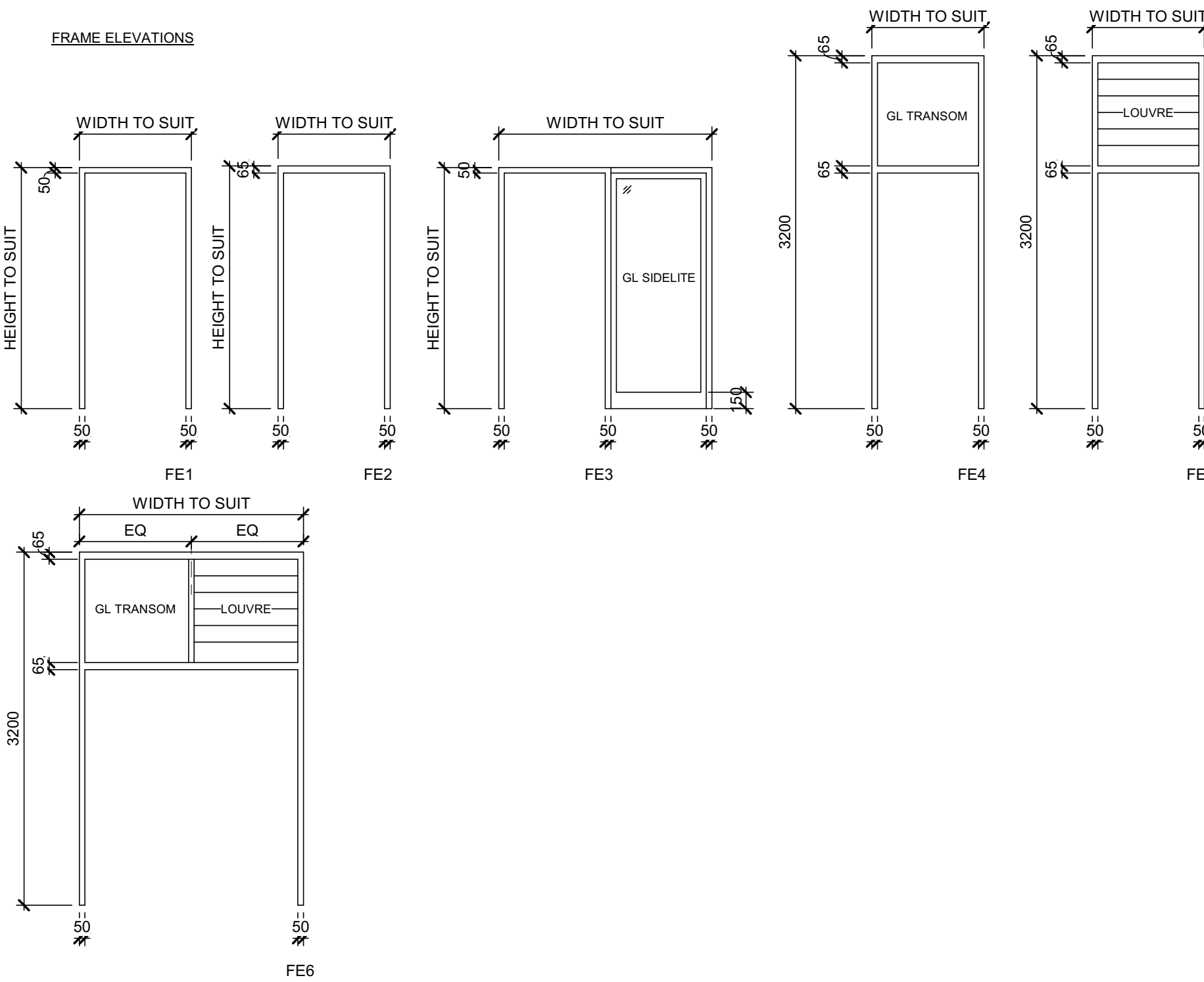
## DOOR ELEVATIONS



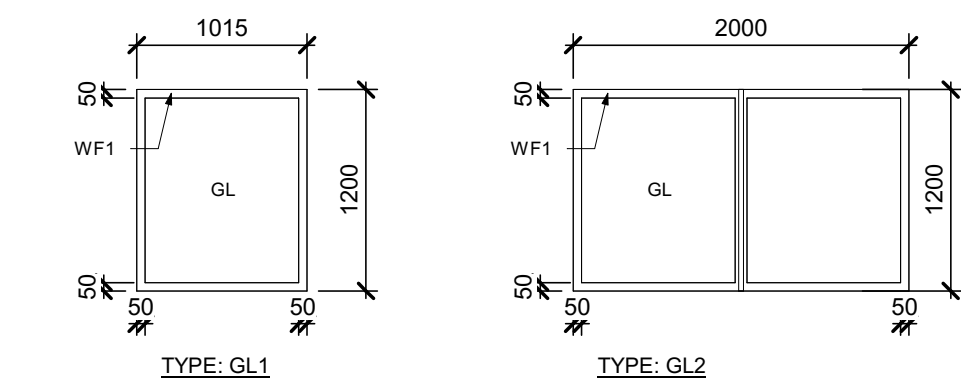
## DOOR NOTES:

1. REFER TO DOOR AND FRAME SCHEDULE FOR DOOR HEIGHTS AND WIDTHS.
2. TEMPERED GLAZING IN ALL INTERIOR DOORS, UNLESS OTHERWISE NOTED.
3. INSULATED TEMPERED GLAZING IN EXTERIOR DOORS AND TRANSOMS.
4. FIRE RATED GLAZING IN ALL FIRE RATED DOORS, REFER TO SCHEDULE.
5. DOORS IN FIRE RATED ASSEMBLIES TO BE SMOKE SEALED.
6. PROVIDE DOOR RESTRAINT SYSTEM FOR ALL OVERHEAD DOORS, BY PRO-PORTES (WWW.PRO-PORTES.COM). SYSTEM TO BE INTERLOCKED WITH THE DOOR OPERATOR MOTOR IN ORDER TO CUT OFF POWER TO THE OPERATOR WHEN RESTRAINT SYSTEM IS ENGAGED.
7. REFER TO SPECIFICATIONS FOR GLAZING DETAILS

## FRAME ELEVATIONS



## WINDOW ELEVATIONS



## HATCH SCHEDULE1

Building	HATCH NUMBER	HATCH SIZE	REMARKS
PROCESS BUILDING	IH3	1900 x 800	REFER TO SPECIFICATIONS

## ROOM FINISH SCHEDULE

ROOM No.	NAME	FLOOR		WALLS								CEILING		FIRE RATING	REMARKS
		FINISH	BASE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	HEIGHT	
200	SCREEN AND DEGRIT ROOM	SC	-	CB	-	CB	-	CB	-	CB	-	ES	-	-	-
201	ELECTRICAL ROOM	EP	-	CB	PT	CB	PT	CB	PT	CB	PT	ES	-	-	-
202	MECHANICAL ROOM	SC	-	CB	PT	CB	PT	CB	PT	CB	PT	ES	-	-	-
203	SCREENINGS BIN ROOM	SC	-	CB	-	CB	-	CB	-	CB	-	ES	-	-	-
301	TUNNEL	SC	-	EC	EC	EC	EC	EC	EC	EC	EC	ES	-	-	-
500	UV DISINFECTION CHANNEL	SC	-	CB	-	CB	-	CB	-	CB	-	ES	-	-	-
501	ELECTRICAL ROOM	EP	-	CB	PT	CB	PT	CB	PT	CB	PT	ES	-	-	-
502	EXIT STAIRS	SC	-	CB	-	CB	-	CB	EC	CB	-	ES	-	-	-
503	MECHANICAL ROOM	SC	-	CB	PT	CB	PT	CB	PT	CB	PT	ES	-	-	-
504	ELECTRICAL ROOM BASEMENT LEVEL	SC	-	CB	-	CB	-	CB	-	CB	-	ES	-	-	-
600	BLOWER ROOM	SC	-	CB	-JAP	CB	-JAP	CB	-JAP	CB	-JAP	ES	-	-	-
601	MECHANICAL ROOM	SC	-	CB	PT	CB	PT	CB	PT	CB	PT	ES	-	-	-
602	ELECTRICAL ROOM	EP	-	CB	PT	CB	PT	CB	PT	CB	PT	ES	-	-	-
603	MECHANICAL ROOM	SC	-	CB	PT	CB	PT	CB	PT	CB	PT	ES	-	-	-
604	PROCESS BUILDING BASEMENT	SC	-	CB	PT	CB	PT	CB	PT	CB	PT	ES	-	-	-
605	EXIT STAIRS	SC	-	EC/CB	-	EC/CB	-	EC/CB	-	EC/CB	-	ES	-	-	-
800	CORRIDOR	VT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACT	-	2700	-
801	LUNCH / MEETING ROOM	VT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACT	-	2700	-
802	OFFICE	VT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACT	-	2700	-
803	LABORATORY	VT	RB	GBM	PT	GBM	PT	GBM	PT	GBM	PT	ACT	-	2700	-
804	UNIVERSAL WASHROOM	CT	CT	CT/GWBM	-PT	CT/GWBM	-PT	CT/GWBM	-PT	CT/GWBM	-PT	ACT	-	2700	-
805	DOCUMENT ROOM	VT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACT	-	2700	-
806	JANITOR'S CLOSET	SC	RB	GBM	PT	GBM	PT	GBM	PT	GBM	PT	ES	-	-	-
807	MEN'S WASHROOM / CHANGE ROOM	CT	CT	CT/GWBM	-PT	CT/GWBM	-PT	CT/GWBM	-PT	CT/GWBM	-PT	GBM / ACT	-	2700	-
808	WOMEN'S WASHROOM / CHANGE ROOM	CT	CT	CT/GWBM	-PT	CT/GWBM	-PT	CT/GWBM	-PT	CT/GWBM	-PT	GBM / ACT	-	2700	-
809	ELECTRICAL ROOM	EP	RB	GB	PT	GB	PT	GB	PT	GB	PT	ES	-	-	-
810	MECHANICAL ROOM	SC	RB	GB	PT	GB	PT	GB	PT	GB	PT	ES	-	-	-
812	SCADA ROOM	VT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACT	-	2700	-
813	IT CLOSET	VT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACT	-	2700	-
814	CONTROL ROOM	VT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACT	-	2700	-
815	PHOTOCOPIER AREA	VT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACT	-	2700	-
816	LAUNDRY ROOM	VT	RB	GBM	PT	GBM	PT	GBM	PT	GBM	PT	ACT	-	2700	-
817	VESTIBULE	VT	RB	GB	PT	GB	PT	GB	PT	GB	PT	ACT	-	2700	-

## MATERIALS LEGEND

ACT ACOUSTIC CEILING TILE  
CB CONCRETE BLOCK  
EC EXPOSED CONCRETE  
EP EPOXY FINISH  
ES EXPOSED STRUCTURE  
PT PAINT  
SC SEALED CONCRETE  
GB GYPSUM BOARD  
GBM MOISTURE RESISTANT GYPSUM BOARD  
VT VINYL TILE  
CT CERAMIC TILE  
RB RUBBER BASE  
AP ACOUSTIC PANEL

## NOTE:

1. FLOOR AND WALL FINISH TO BE COMPLETED PRIOR TO EQUIPMENT AND SERVICES INSTALLATION. CONTRACTOR TO PATCH AND MAKE PROPER FINISHES AFTER INSTALLATION OF ALL EQUIPMENT AND SERVICES.
2. DO NOT PAINT PORTIONS OF WALL THAT ARE ADJACENT TO TANKS OR CHANNELS.

## DOOR &amp; FRAME SCHEDULE

Building	DOOR NUMBER	LOCATION	DOOR		FRAME			FIRE RATING	HARDWARE GROUP	REMARKS
			DOOR SIZE	TYPE	MATERIAL	FINISH	TYPE			
HEADWORKS BUILDING	D201	SCREEN AND DEGRIT ROOM	1050 x 2135 x 45	DE2	IHM	PT	FE2	PS	PT	1.5H GROUP 14
HEADWORKS BUILDING	D202	ELECTRICAL ROOM	1200 x 3100 x 45	DE9	IHM	PT	FE2	PS	PT	1.5H GROUP 14
HEADWORKS BUILDING	D203	MECHANICAL ROOM	2 - 915 x 2135 x 45	DE4	IHM	PT	FE4	PS	PT	GROUP 2A
HEADWORKS BUILDING	D204	SCREENINGS BIN AREA	3048 x 3200	DE7	IHM	PT	-	PS	PT	-
HEADWORKS BUILDING	D205	SCREENINGS BIN AREA	915 x 2135 x 45	DE2	IHM	PT	FE4	PS	PT	GROUP 1
TUNNEL	D301	PROCESS BUILDING BASEMENT	1050 x 2135 x 45	DE2	HM	PT	FE2	PS	PT	45 MIN GROUP 15
UV BUILDING	D501	EXIT STAIRS	915 x 2135 x 45	DE1	IHM	PT	FE4	PS	PT	1.5H GROUP 14
UV BUILDING	D502	UV DISINFECTION CHANNEL	2 - 915 x 3135 x 45	DE10	IHM	PT	FE2	PS	PT	GROUP 2A
UV BUILDING	D503	ELECTRICAL ROOM	1200 x 3135 x 45	DE9	IHM	PT	FE2	PS	PT	GROUP 1
UV BUILDING	D504	EXIT STAIRS	1050 x 2135 x 45	DE1	HM	PT	FE2	PS	PT	45 MIN GROUP 15
UV BUILDING	D505	MECHANICAL ROOM	1050 x 2135 x 45	DE2	HM	PT	FE2	PS	PT	GROUP 16
UV BUILDING	D506	EXIT STAIRS BASEMENT	1050 x 2135 x 45	DE2	HM	PT	FE2	PS	PT	1.5H GROUP 15
UV BUILDING	D507	BASEMENT TUNNEL	1050 x 2135 x 45	DE1	HM	PT	FE2	PS	PT	1.5H GROUP 5
PROCESS BUILDING	D601	CHEMICAL ROOM	915 x 2135 x 45	DE2	IHM	PT	FE4	PS	PT	GROUP 1
PROCESS BUILDING	D602	EXIT STAIRS GROUND FLOOR	915 x 2135 x 45	DE1	IHM	PT	FE4	PS	PT	GROUP 1
PROCESS BUILDING	D603	BLOWER ROOM	2 - 1200 x 2615 x 45	DE3	IHM	PT	FE5	PS	PT	GROUP 2A
PROCESS BUILDING	D604	ELECTRICAL ROOM	1200 x 3135 x 45	DE9	IHM	PT	FE2	PS	PT	GROUP 1
PROCESS BUILDING	D605	MECHANICAL ROOM	1050 x 2135 x 45	DE2	HM	PT	FE2	PS	PT	GROUP 4
PROCESS BUILDING	D606	MECHANICAL ROOM	2 - 915 x 2135 x 45	DE4	IHM	PT	FE5	PS	PT	GROUP 2A
PROCESS BUILDING	D607	EXIT STAIRS GROUND FLOOR	915 x 2135 x 45	DE1	HM	PT	FE4	PS	PT	45 MIN GROUP 15
PROCESS BUILDING	D608	ELECTRICAL ROOM	1050 x 2135 x 45	DE2	HM	PT	FE2	PS	PT	GROUP 4
PROCESS BUILDING	D609	EXIT STAIRS BASEMENT	1050 x 2135 x 45	DE1	HM	PT	FE2	PS	PT	45 MIN GROUP 15
PROCESS BUILDING	D610	EXIT STAIRS BASEMENT	1050 x 2135 x 45	DE1	HM	PT	FE2	PS	PT	45 MIN GROUP 15
ADMINISTRATION BUILDING	D801	ELECTRICAL ROOM	1050 x 2135 x 45	DE9	IHM	PT	FE2	PS	PT	GROUP 1
ADMINISTRATION BUILDING	D802	CORRIDOR	1050 x 2135 x 45	DE2	IHM	PT	FE2	PS	PT	GROUP 1
ADMINISTRATION BUILDING	D803	VESTIBULE	1050 x 2150 x 45	DE8	AN	-	FE3	AN	-	GROUP 10
ADMINISTRATION BUILDING	D804	LAUNDRY ROOM	1050 x 2135 x 45	DE2	HM	PT	FE2	PS	PT	GROUP 4
ADMINISTRATION BUILDING	D805	LUNCH ROOM	1050 x 2135 x 45	DE1	HM	PT	FE3	PS	PT	GROUP 4
ADMINISTRATION BUILDING	D806	OFFICE	1050 x 2135 x 45	DE1	HM	PT	FE3	PS	PT	GROUP 3
ADMINISTRATION BUILDING	D807	LABORATORY	1050 x 2135 x 45	DE1	HM	PT	FE3	PS	PT	GROUP 3
ADMINISTRATION BUILDING	D808	UNIVERSAL WASHROOM	1050 x 2135 x 45	DE5	HM	PT	FE1	PS	PT	GROUP 8
ADMINISTRATION BUILDING	D809	DOCUMENT ROOM	1050 x 2135 x 45	DE6	HM	PT	FE1	PS	PT	GROUP 16
ADMINISTRATION BUILDING	D810	MENS WASHROOM	1050 x 2135 x 45	DE5	HM	PT	FE1	PS	PT	GROUP 7
ADMINISTRATION BUILDING	D811	JANITORS CLOSET	915 x 2135 x 45	DE5	HM	PT	FE1	PS	PT	45 MIN GROUP 5
ADMINISTRATION BUILDING	D812	WOMENS WASHROOM	1050 x 2135 x 45	DE5	HM	PT	FE1	PS	PT	GROUP 7
ADMINISTRATION BUILDING	D813	MECHANICAL ROOM	1050 x 2135 x 45	DE2	HM	PT	FE2	PS	PT	GROUP 16
ADMINISTRATION BUILDING	D814	VESTIBULE	1050 x 2150 x 45	DE8	AN	-	FE3	AN	-	GROUP 9
ADMINISTRATION BUILDING	D815	SCADA ROOM	1050 x 2135 x 45	DE1	HM	PT	FE3	PS	PT	GROUP 3
ADMINISTRATION BUILDING	D816	CLOSET	915 x 2135 x 45	DE5	HM	PT	FE1	PS	PT	GROUP 16
ADMINISTRATION BUILDING	D817	CONTROL ROOM	1050 x 2135 x 45	DE1	HM	PT	FE3	PS	PT	GROUP 3
ADMINISTRATION BUILDING	D818	CORRIDOR	1050 x 2135 x 45	DE2	IHM	PT	FE2	PS	PT	GROUP 1

## DOOR LEGEND

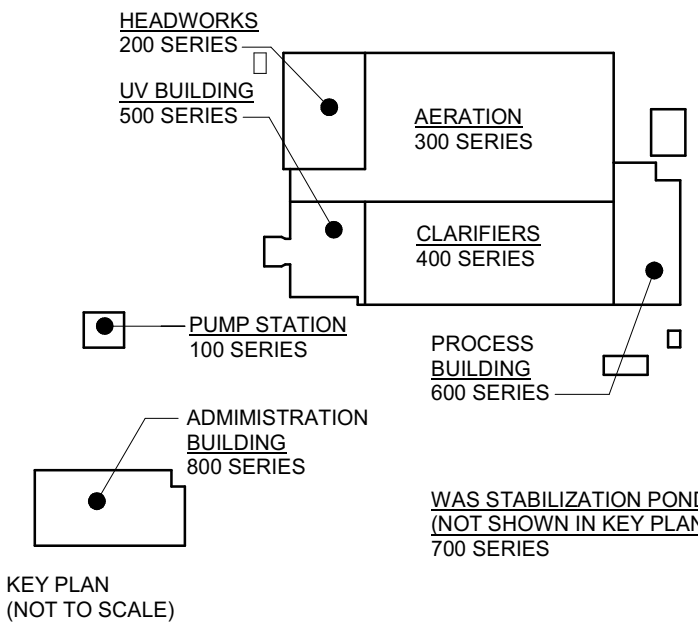
HM HOLLOW METAL DOOR  
IHM INSULATED HOLLOW METAL DOOR  
PT PAINT  
PS PRESSED STEEL  
AN ANODIZED ALUMINIUM

## WINDOW SCHEDULE

WINDOW No.	WIDTH	HEIGHT	QUANTITY	FRAME TYPE	FRAME MATERIAL	SILL HEIGHT	COMMENTS
GL1	1100	1200	8	AN	AN	REFER TO ELEVATIONS	--
GL2	2000	1200	1	AN	AN	1000	-

## WINDOW LEGEND

AN ANODIZED ALUMINIUM



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1 ISSUED FOR ADDENDUM 004 28/05/2025

0 ISSUED FOR TENDER 25/04/2025

No. ISSUE / REVISION DDMM/YY

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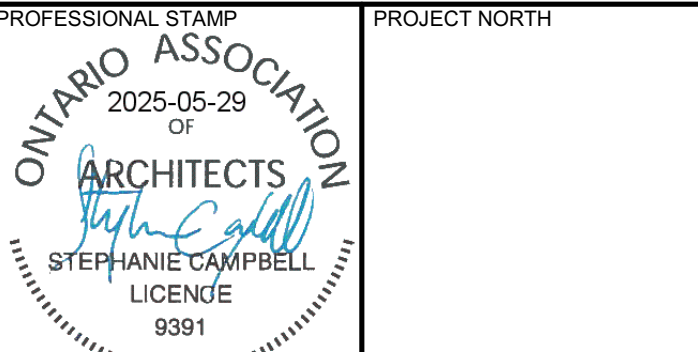
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J.L. Richards ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:



PROJECT:

BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

DRAWING:

ARCHITECTURAL SITE - WIDE SCHEDULES AND FINISHES

DESIGN: SC/KA

DRAWN: NP DRAWING #:

CHECKED: HB/SC

JLR #: 32296-001

A005



**LEGEND:**

— 2hr — FIRE SEPARATION (2hr min FIRE RATING)

**WIDTH AND HEIGHT OF EXITS:**

1) THE WIDTH OF AN EXIT SHALL BE NOT LESS THAN

- 1100mm FOR CORRIDORS AND PASSAGEWAYS
- 900mm FOR STAIRS
- 790mm FOR DOORWAYS

2) EVERY EXIT SHALL HAVE A CLEAR HEIGHT OVER THE CLEAR WIDTH OF THE EXIT OF NOT LESS THAN 2100mm

3) CLEAR HEIGHT OF DOORWAYS SHALL NOT BE LESS THAN 2030mm

**TRAVEL DISTANCE:**

--- SERVICE EGRESS 30 m

● START POINT

▲ EXIT POINT

BOLLARDS TYPICAL, REFER TO STRUCTURAL

GENERATOR PAD, REFER TO STRUCTURAL

AS REVISED BY ADDENDUM No.4

AS REVISED BY ADDENDUM No.4

AS REVISED BY ADDENDUM No.4

AS REVISED BY ADDENDUM No.4

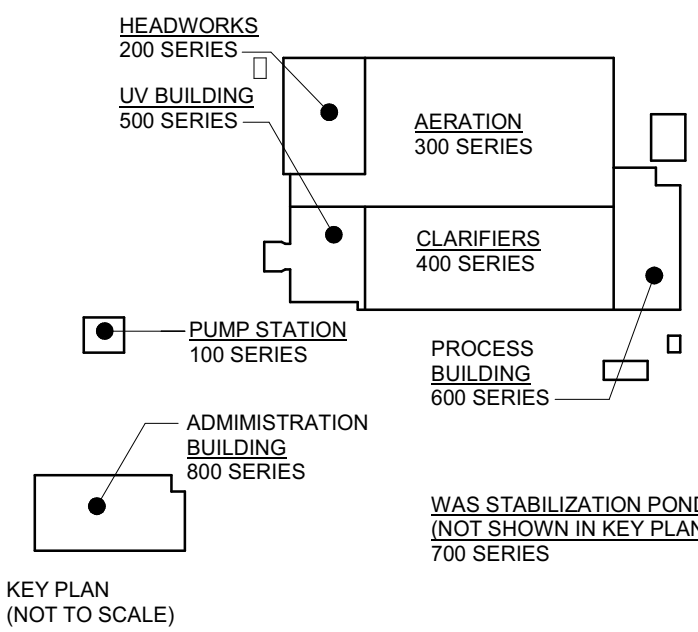
HIDDEN LINES DENOTES EXTENT OF TUNNEL BELOW

REFER TO UV BUILDING DRAWINGS SERIES A500

REFER TO AERATION DRAWINGS SERIES A300 FOR TUNNEL INFORMATION

(TUNNEL BELOW)

NOTE: REFER TO SA DRAWING SERIES FOR STAIR AND GUARDRAIL INFORMATION



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SCALE: As indicated

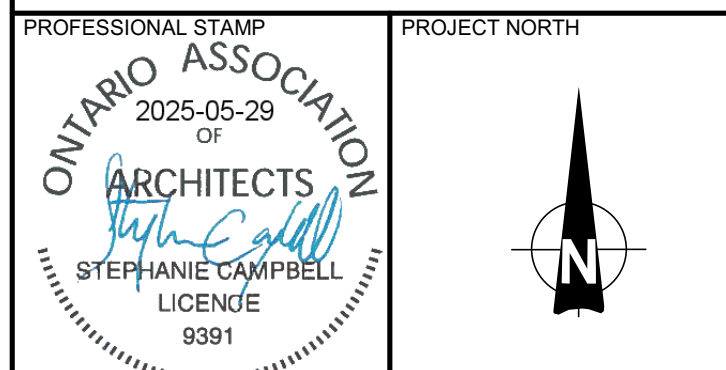
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CONSULTANT: www.jrichards.ca



CONSULTANT:



PROJECT:

BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

DRAWING:

ARCHITECTURAL HEADWORKS

GROUND FLOOR PLAN

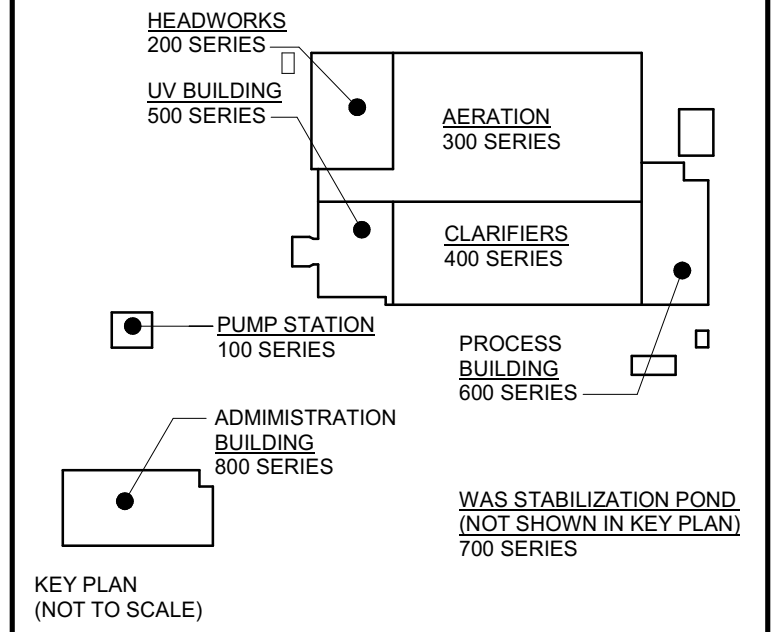
DESIGN: SC/KA	DRAWING #:
DRAWN: NP	A201
CHECKED: HB/SC	
JLR #:	32296-001

1 A201

## HEADWORKS GROUND FLOOR PLAN

SCALE: 1:50





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0 25mm

SCALE: 1:50

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PROJECT NORTH

PROJECT:	
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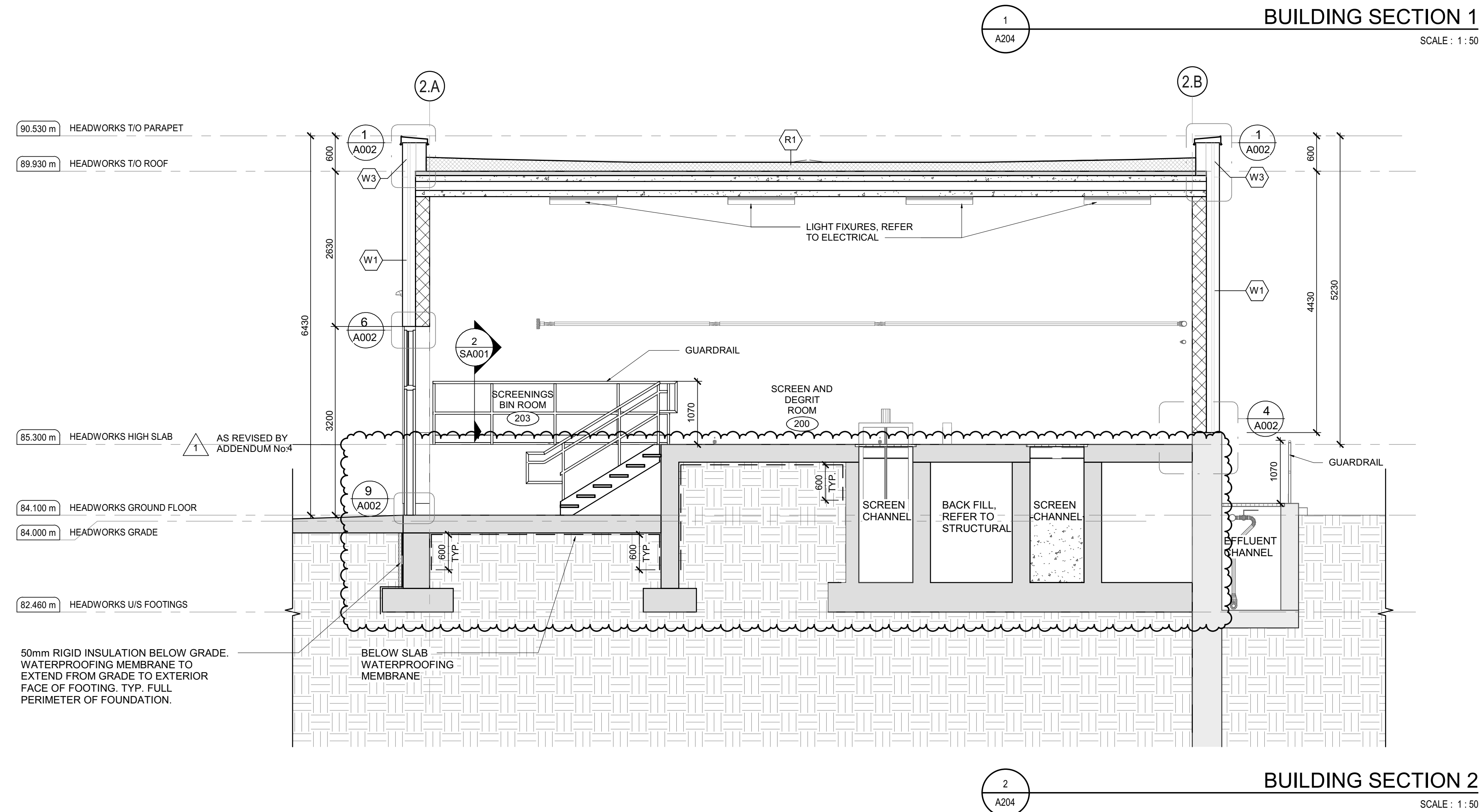
# BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

ARCHITECTURAL  
HEADWORKS

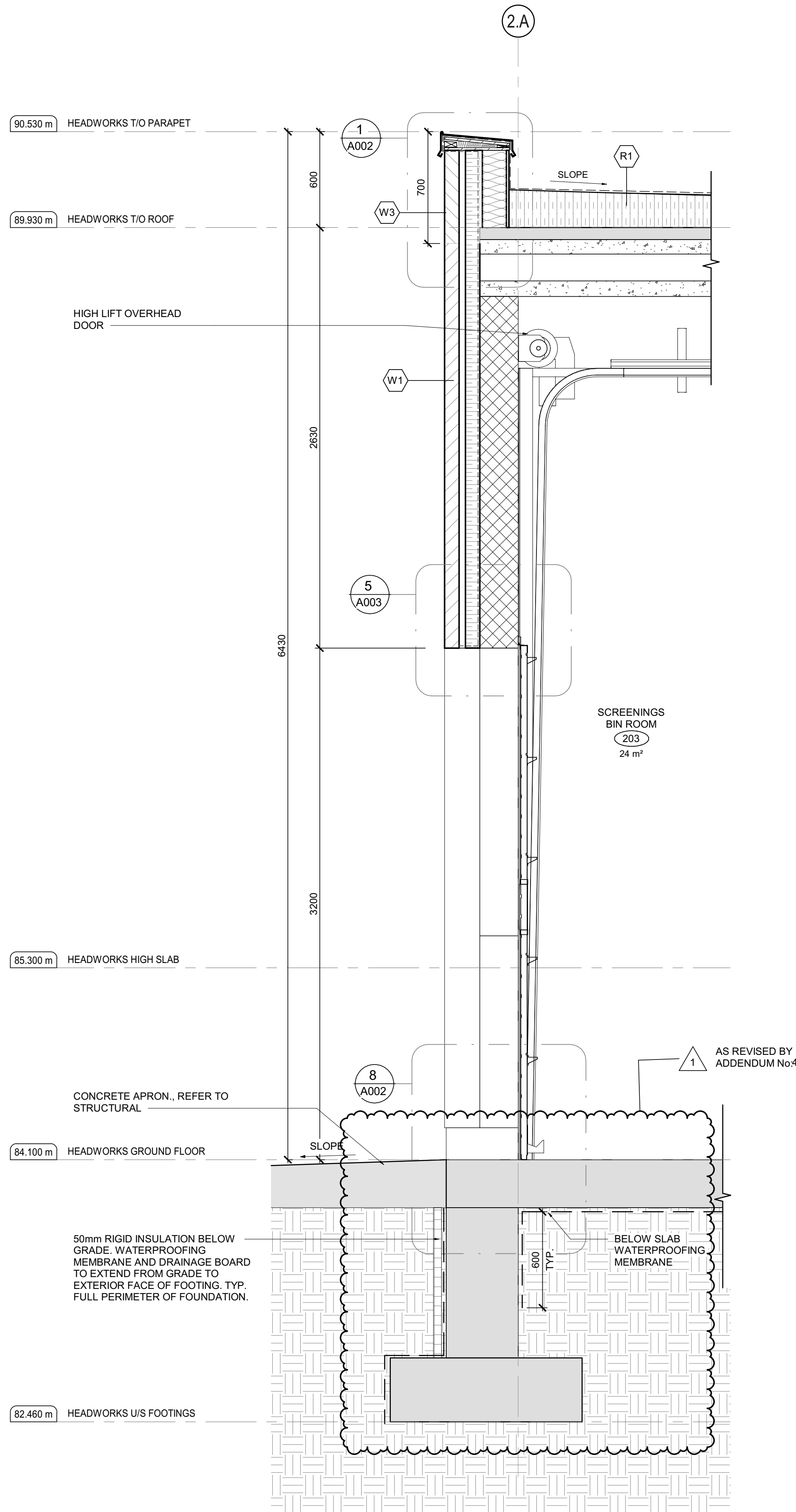
BUILDING SECTIONS

DESIGN: SC/KA	DRAWING #:  <b>A204</b>
DRAWN: NP	
CHECKED: HB/SC	
JLR #: 32296-001	



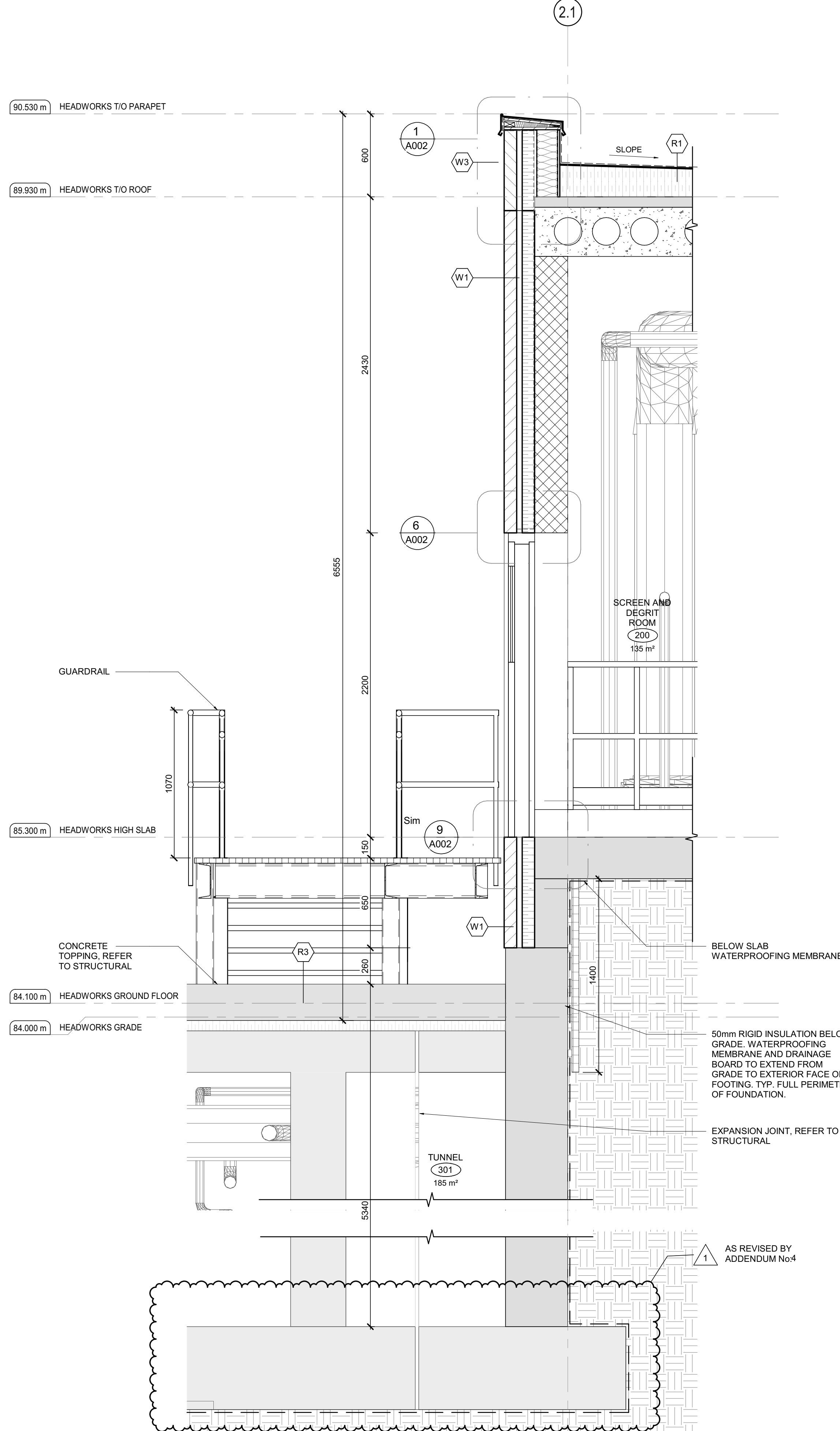
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HEADWORKS WALL SECTION 1

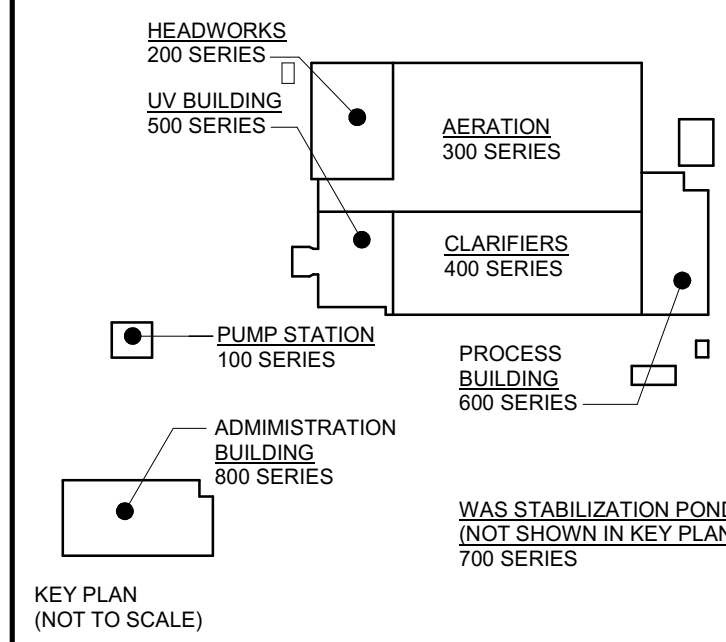
SCALE: 1:20



HEADWORKS WALL SECTION 2

SCALE: 1:20

NOTE: REFER TO SA DRAWING SERIES FOR STAIR AND GUARDRAIL INFORMATION



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SCALE: 1:20

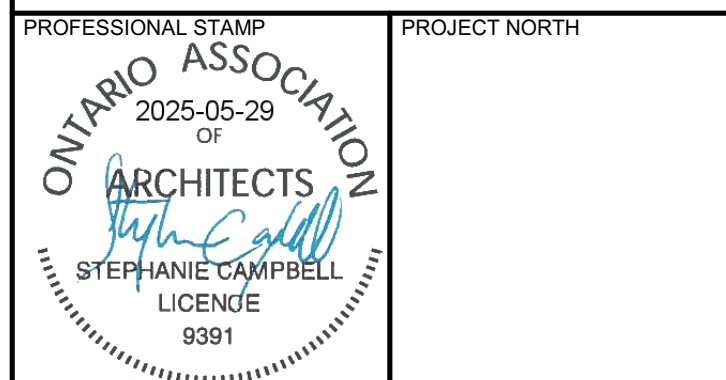
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CONSULTANT:



PROJECT:

BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

DRAWING:

ARCHITECTURAL HEADWORKS WALL SECTIONS

DESIGN: SC/KA  
DRAWN: NP  
CHECKED: HB/SC  
JLR #: 32296-001  
DRAWING #: A205

File Location: C:\Users\NParadesa\Documents\32296 A-Headworks R23\_NParadesa\Hill.rvt  
PLOT DATE: 28/05/2025 12:13:33 PM

1) THE WIDTH OF AN EXIT SHALL BE NOT LESS THAN

- 1100mm FOR CORRIDORS AND PASSAGEWAYS
- 900mm FOR STAIRS
- 790mm FOR DOORWAYS

2) EVERY EXIT SHALL HAVE A CLEAR HEIGHT OVER THE CLEAR WIDTH OF THE EXIT OF NOT LESS THAN 2100mm

3) CLEAR HEIGHT OF DOORWAYS SHALL NOT BE LESS THAN 2030mm

— — — — SERVICE EGRESS

● START POINT

 EXIT POINT

—45min— FIRE SEPARATION  
(45min FIRE RATING)

HEADWORKS  
200 SERIES

U/V BUILDING  
500 SERIES

AERATION  
300 SERIES

CLARIFIERS  
400 SERIES

PUMP STATION  
100 SERIES

ADMINISTRATION  
BUILDING  
800 SERIES

PROCESS  
BUILDING  
600 SERIES

WAS STABILIZATION POND  
(NOT SHOWN IN KEY PLAN  
700 SERIES)

KEY PLAN  
(NOT TO SCALE)

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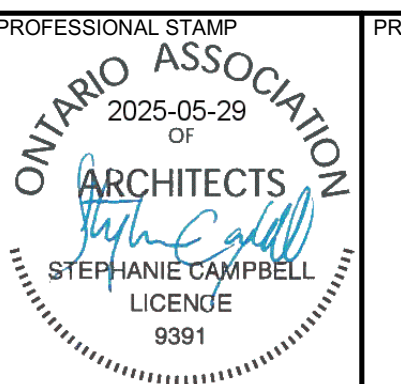
VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1 : 100

CLIENT:

CONSULTANT: [www.jlrichards.ca](http://www.jlrichards.ca)

CONSULTANT:



## PROJECT NORTH



PROJECT:

# BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

**DRAWING:**

ARCHITECTURAL  
AERATION  
TUNNEL FLOOR PLAN

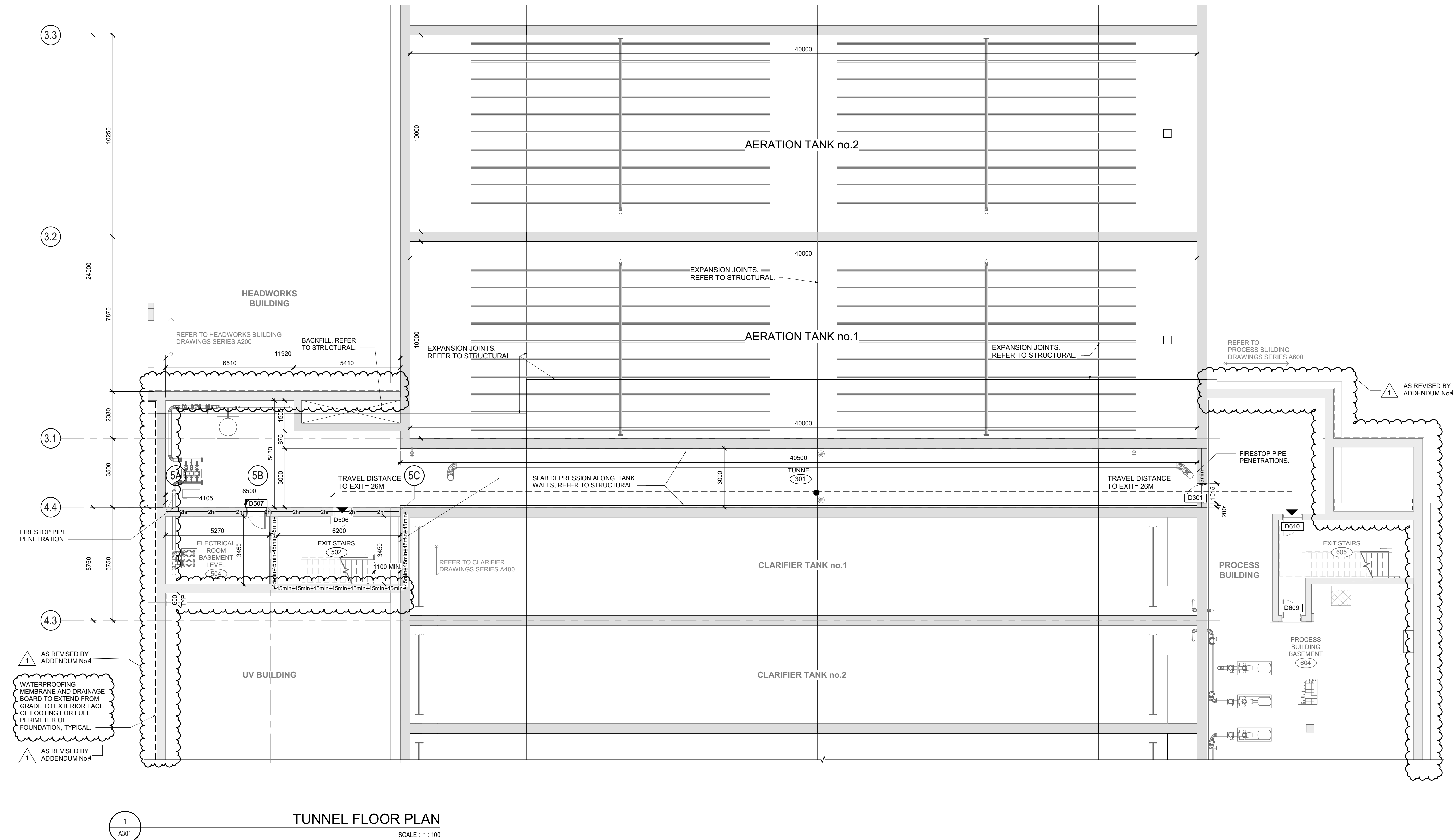
DESIGN: SC/KA

DRAWN: NP

CHECKED:	HB/SC
JLR #:	32296-001

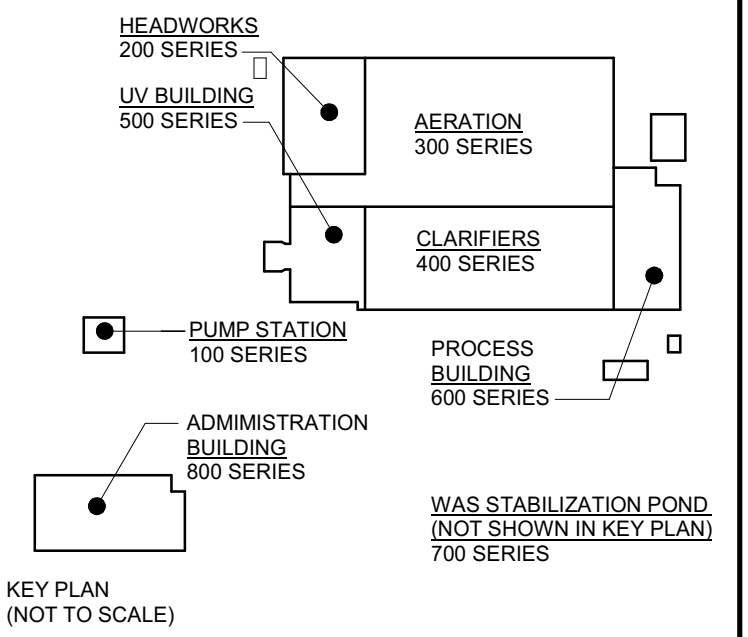
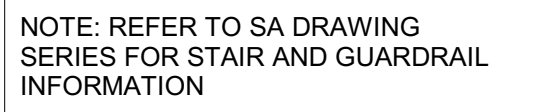
DRAWING #:

A301



FILE NAME: C:\Users\NParedesHall\Documents\32296 A-Aeration R23\_NParedesHall.rvt  
FILE LOCATION: C:\Users\NParedesHall\Documents\32296 A-Aeration R23\_NParedesHall.rvt  
PLOT DATE: 28/05/2025 1:22:33 PM





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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

0 25mm

SCALE: 1 : 50

CLIENT:

CONSULTANT: [www.jlrichards.ca](http://www.jlrichards.ca)

CONSULTANT:



PROJECT:

# BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

**DRAWING:**

ARCHITECTURAL  
UV BUILDING  
BASEMENT PLAN

DESIGN: SC/KA

DRAWN: NP

CHECKED: HB/SC

JLR #: 32296-001

DRAWING #:

A501

PLOT DATE: 28/05/2025 2:17:17 PM  
File Location: C:\Users\NParedesHall\Documents\32296 A-UV Building R23\_NParedesHall.rvt

**LEGEND:**

45min FIRE SEPARATION (45min FIRE RATING)

**WIDTH AND HEIGHT OF EXITS:**

1) THE WIDTH OF AN EXIT SHALL BE NOT LESS THAN  
- 1100mm FOR CORRIDORS AND PASSAGEWAYS  
- 900mm FOR STAIRS  
- 790mm FOR DOORWAYS

2) EVERY EXIT SHALL HAVE A CLEAR HEIGHT OVER THE CLEAR WIDTH OF THE EXIT OF NOT LESS THAN 2100mm

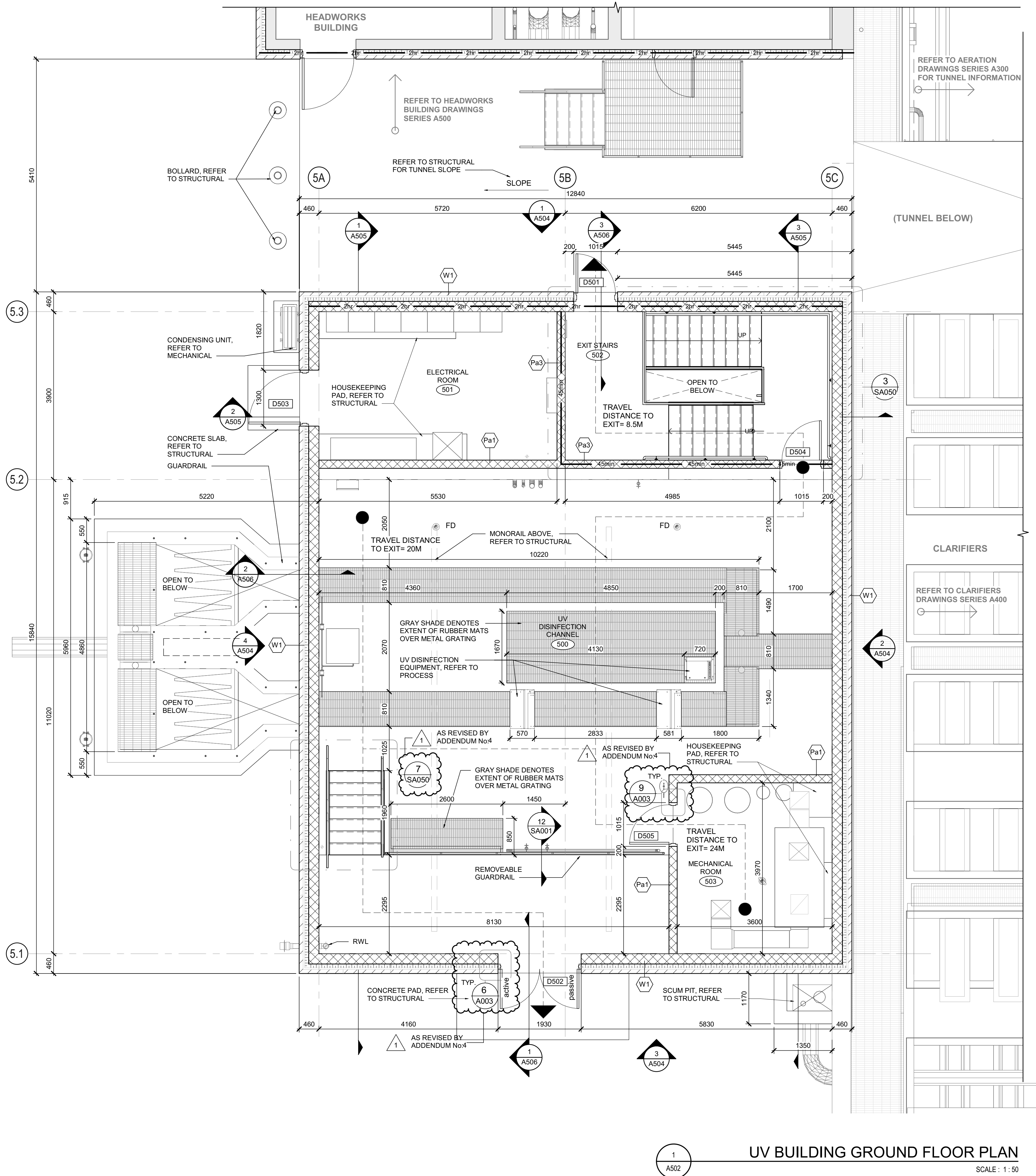
3) CLEAR HEIGHT OF DOORWAYS SHALL NOT BE LESS THAN 2030mm

**TRAVEL DISTANCE:**

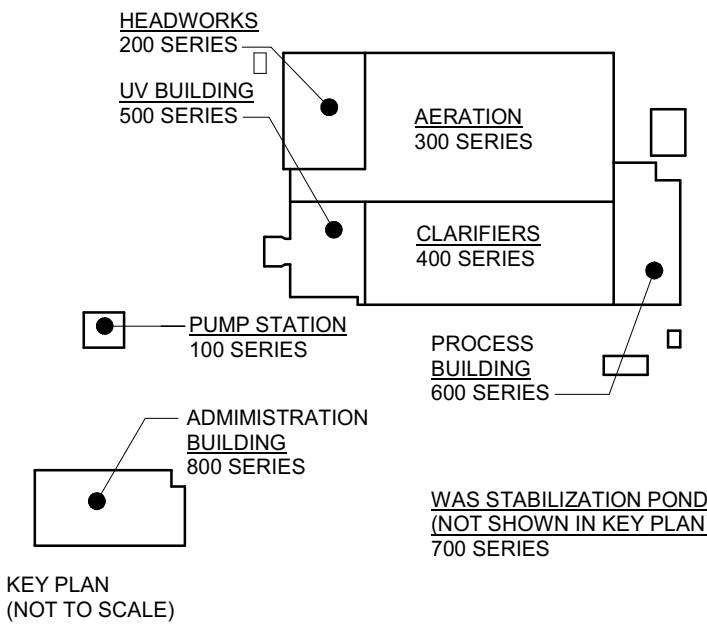
--- SERVICE EGRESS 30 m

● START POINT

▲ EXIT POINT



NOTE: REFER TO SA DRAWING SERIES FOR STAIR AND GUARDRAIL INFORMATION



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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING. 0 25mm

SCALE: As indicated

CLIENT:

CONSULTANT:

www.jrichards.ca

CONSULTANT:

PROFESSIONAL STAMP

2025-05-29 OF ARCHITECTS

STEPHANIE CAMPBELL

LICENCE 9391

PROJECT NORTH

PROJECT:

**BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES**

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

DRAWING:

**ARCHITECTURAL UV BUILDING**

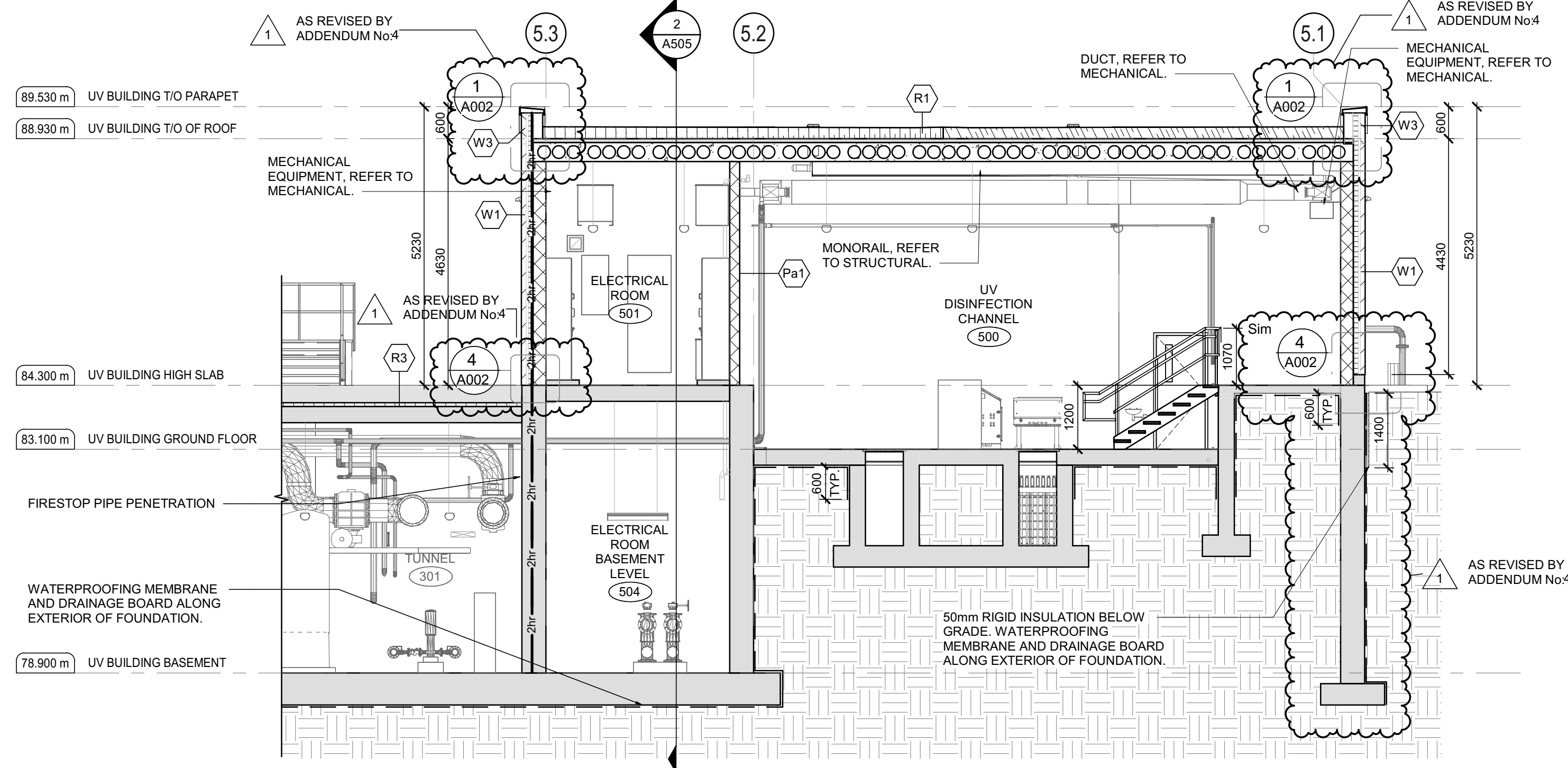
**GROUND FLOOR PLAN**

DESIGN: SC/KA	DRAWING #:
DRAWN: NP	<b>A502</b>
CHECKED: HB/SC	
JLR #:	32296-001

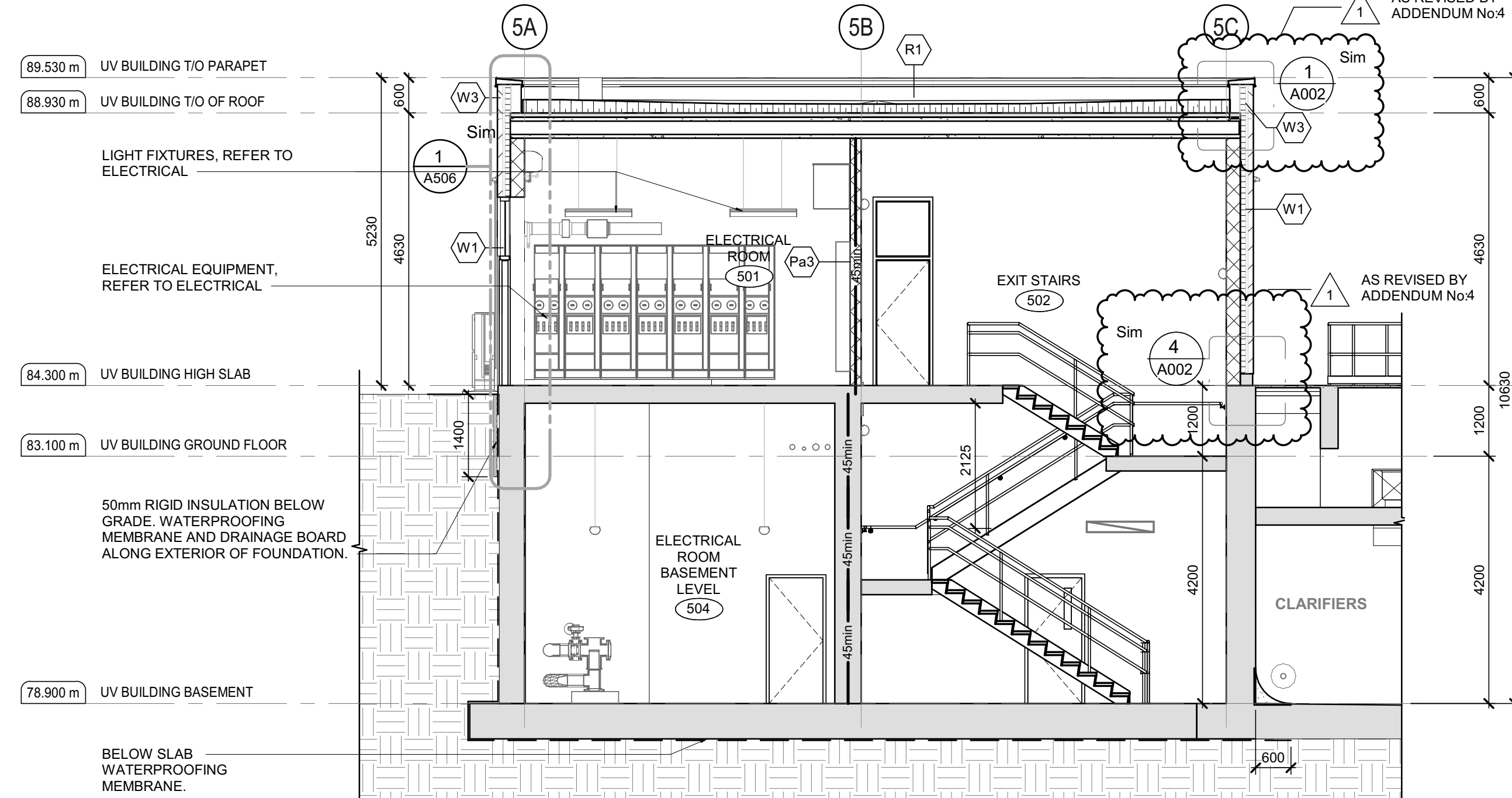
**UV BUILDING GROUND FLOOR PLAN**

SCALE: 1:50

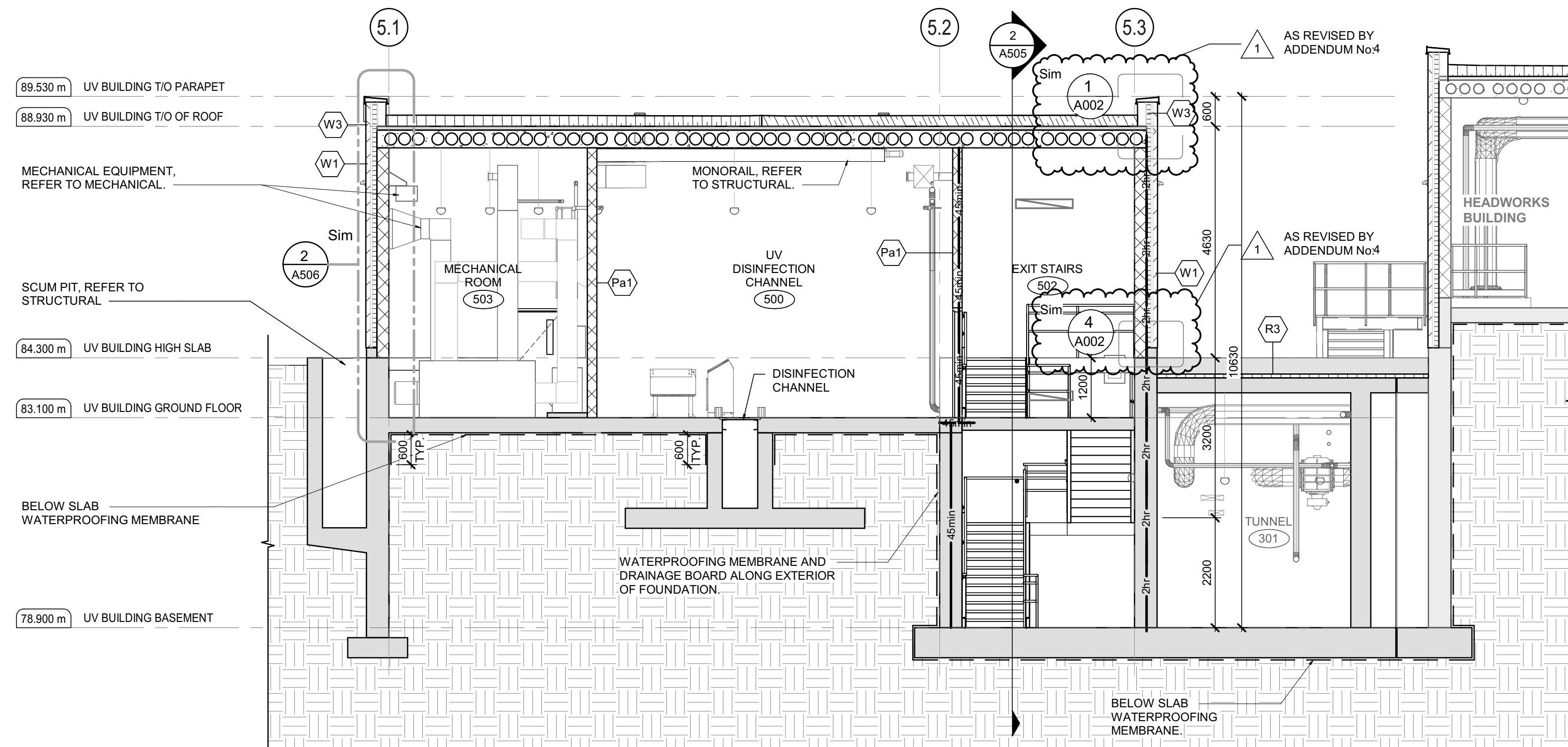




1  
A505  
**BUILDING SECTION 1**  
SCALE : 1 : 75

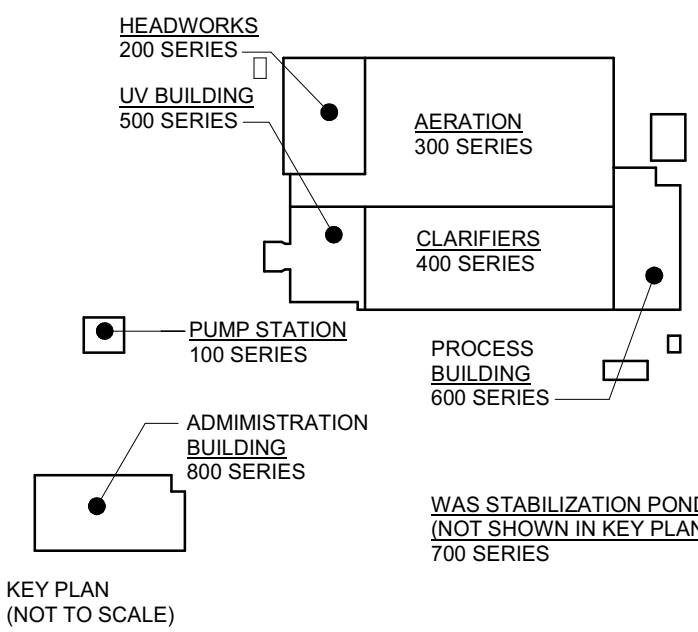


2  
A505  
**BUILDING SECTION 2**  
SCALE : 1 : 75



3  
A505  
**BUILDING SECTION 3**  
SCALE : 1 : 75

NOTE: REFER TO SA DRAWING  
SERIES FOR STAIR AND GUARDRAIL  
INFORMATION



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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1 : 75

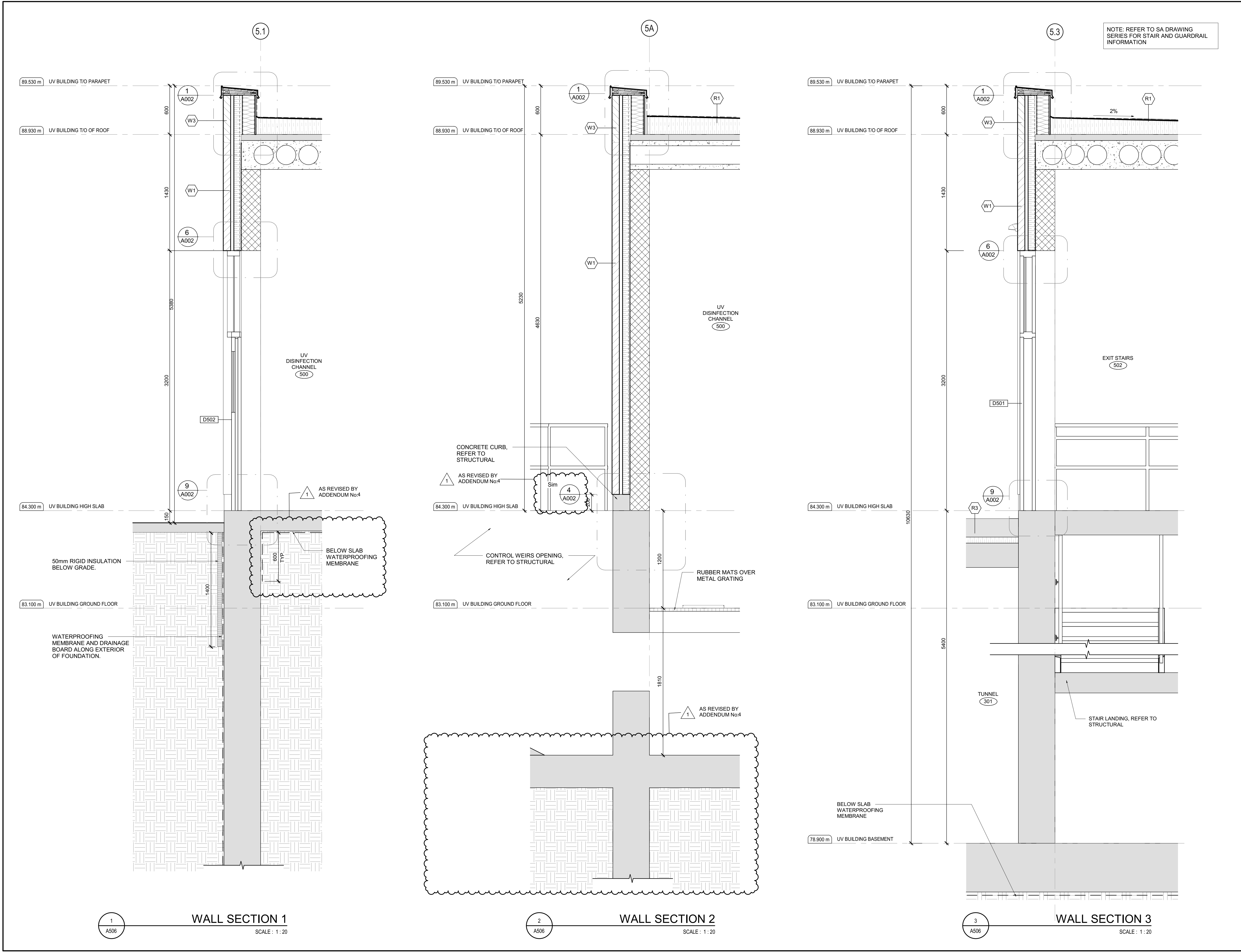
CLIENT:  
  
CONSULTANT:  
  
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CONSULTANT:  
  
PROJECT NORTH  
PROJECT:  
**BRIGHTON WASTEWATER  
TREATMENT SYSTEM UPGRADES**  
100 COUNTY ROAD 64, BRIGHTON, ONTARIO

DRAWING:  
**ARCHITECTURAL  
UV BUILDING  
BUILDING SECTIONS**  
DESIGN: SC/KA  
DRAWN: NP  
CHECKED: HB/SC  
JLR #: 32296-001  
DRAWING #:  
**A505**

File Location: C:\Users\NParadesHall\Documents\32296 AUV Building R23\_NParadesHall.rvt  
PLOT DATE: 28/05/2025 2:17:19 PM





NOTE: REFER TO SA DRAWING SERIES FOR STAIR AND GUARDRAIL INFORMATION

HEADWORKS 200 SERIES  
UV BUILDING 500 SERIES  
PUMP STATION 100 SERIES  
ADMINISTRATION BUILDING 800 SERIES  
AERATION 300 SERIES  
CLARIFIERS 400 SERIES  
PROCESS BUILDING 600 SERIES  
WAS STABILIZATION POND (NOT SHOWN IN KEY PLAN) 700 SERIES

KEY PLAN (NOT TO SCALE)

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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1 : 20

CLIENT:

**BRIGHTON**  
MUNICIPALITY

CONSULTANT:

**J.L. Richards**  
ENGINEERS · ARCHITECTS · PLANNERS

CONSULTANT:

PROFESSIONAL STAMP

2025-05-29  
OF  
ARCHITECTS  
STEPHANIE CAMPBELL  
LICENCE  
9391

PROJECT NORTH

PROJECT:

**BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES**  
100 COUNTY ROAD 64, BRIGHTON, ONTARIO

DRAWING:

**ARCHITECTURAL UV BUILDING WALL SECTIONS**

DESIGN:	SC/KA	DRAWING #:	<b>A506</b>
DRAWN:	NP		
CHECKED:	HB/SC		
JLR #:	32296-001		

FILE LOCATION: C:\Users\NParades\Documents\32296 AUV Building R22\_NParades\Hall.vrt  
PLOT DATE: 28/05/2025 2:17:20 PM

**LEGEND:**

45min FIRE SEPARATION (45min FIRE RATING)

**WIDTH AND HEIGHT OF EXITS:**

1) THE WIDTH OF AN EXIT SHALL BE NOT LESS THAN  
- 1100mm FOR CORRIDORS AND PASSAGEWAYS  
- 900mm FOR STAIRS  
- 790mm FOR DOORWAYS

2) EVERY EXIT SHALL HAVE A CLEAR HEIGHT OVER THE CLEAR WIDTH OF THE EXIT OF NOT LESS THAN 2100mm

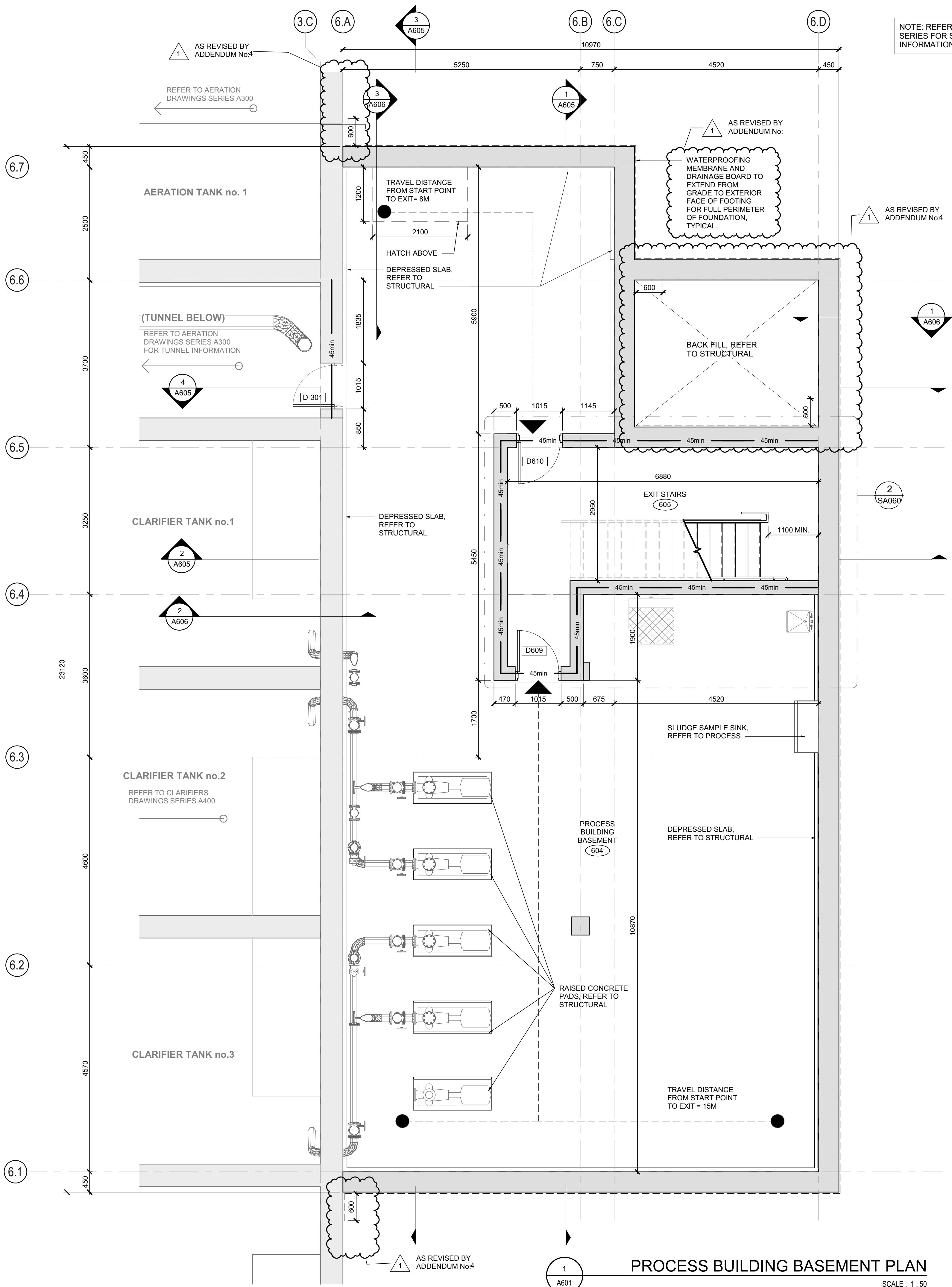
3) CLEAR HEIGHT OF DOORWAYS SHALL NOT BE LESS THAN 2030mm

**TRAVEL DISTANCE:**

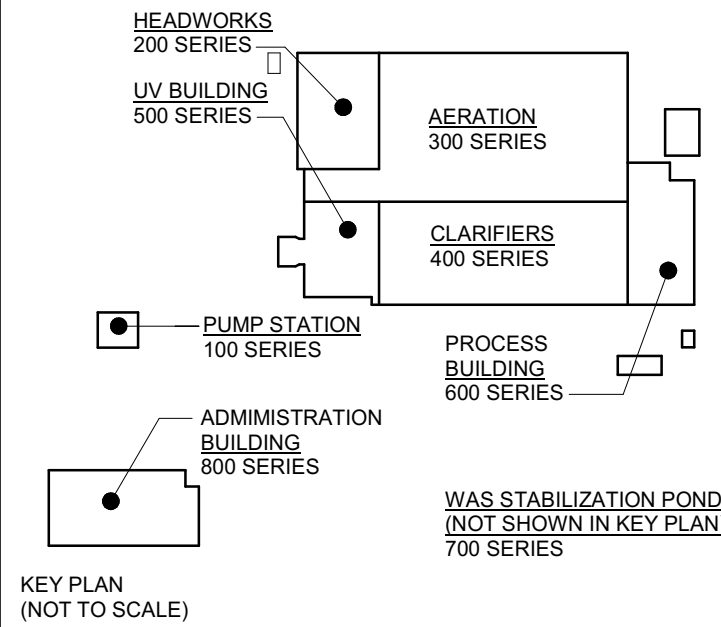
--- SERVICE EGRESS 30 m

● START POINT

▲ EXIT POINT



NOTE: REFER TO SA DRAWING SERIES FOR STAIR AND GUARDRAIL INFORMATION



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SCALE: As indicated

CLIENT:

**BRIGHTON**

CONSULTANT: [www.jrichards.ca](http://www.jrichards.ca)

CONSULTANT:

**J.L. Richards**  
ENGINEERS · ARCHITECTS · PLANNERS

CONSULTANT:

PROFESSIONAL STAMP  
2025-05-29  
OF  
ARCHITECTS  
STEPHANIE CAMPBELL  
LICENCE  
9391

PROJECT NORTH

PROJECT:

**BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES**

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

DRAWING:

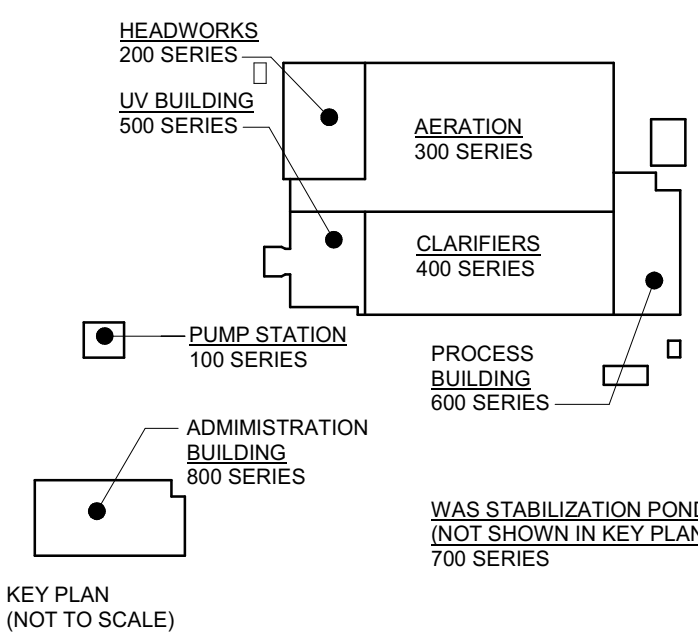
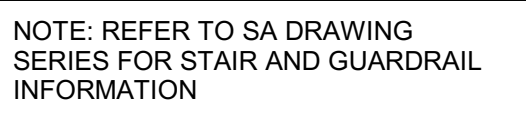
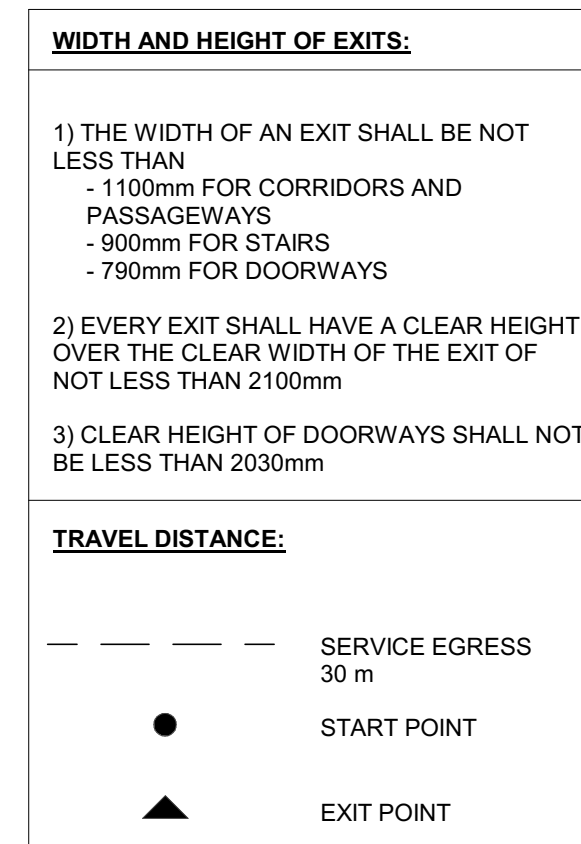
**ARCHITECTURAL PROCESS BUILDING BASEMENT PLAN**

DESIGN: SC/KA  
DRAWN: NP  
CHECKED: HB/SC  
JLR #: 32296-001

DRAWING #:  
**A601**

File Location: C:\Users\NParedes\Documents\32296 A-Process Building R23 NParedes\Hall.mxd PLOT DATE: 28/05/2025 2:18:45 PM





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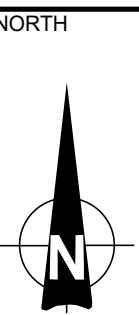
VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: As indicated

**CLIENT**

CONSULTANT: [www.jlrichards.com](http://www.jlrichards.com)

CONSULTANT



PROJECT:

# BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

## DRAWING

ARCHITECTURAL  
PROCESS BUILDING  
GROUND FLOOR PLAN

DESIGN: SC/KA

DRAWN: NP

CHECKED: HB/SC

**DRAWING :**

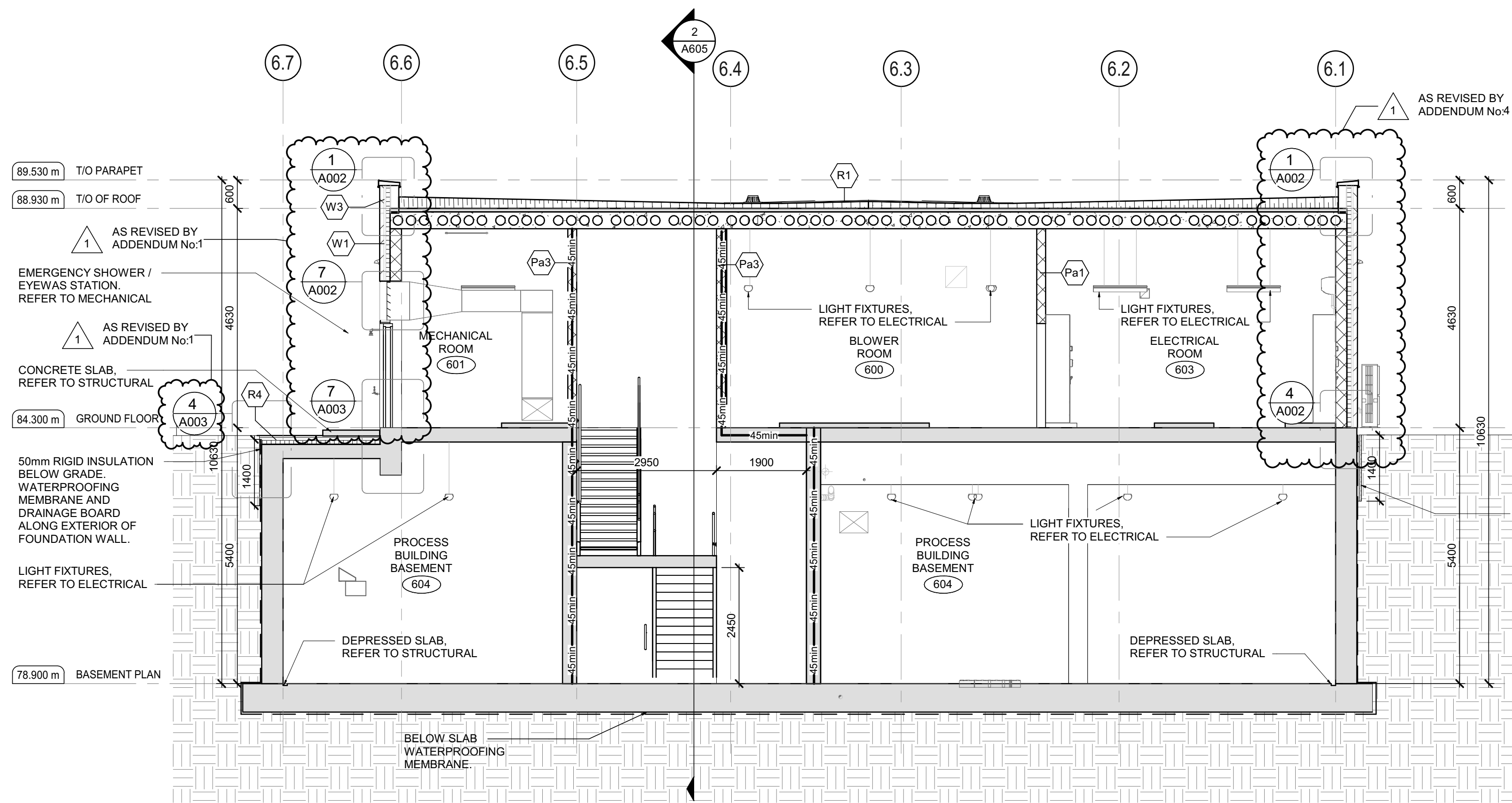
A602

1 PROCESS BUILDING GROUND FLOOR PLAN  
A602 SCALE : 1 : 50

SCALE : 1 : 50

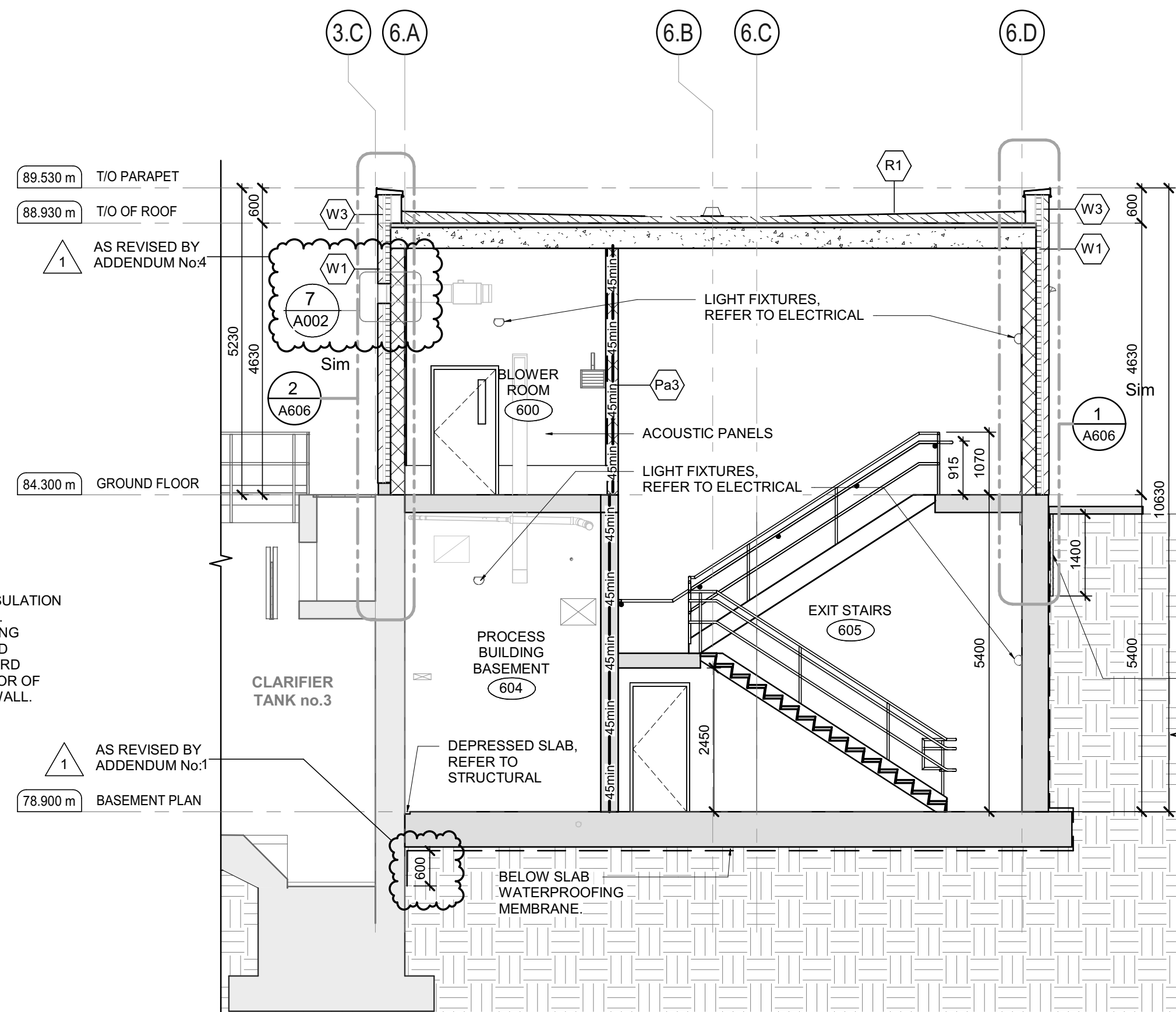
PLOT DATE: 28/05/2025 2:18:47 PM





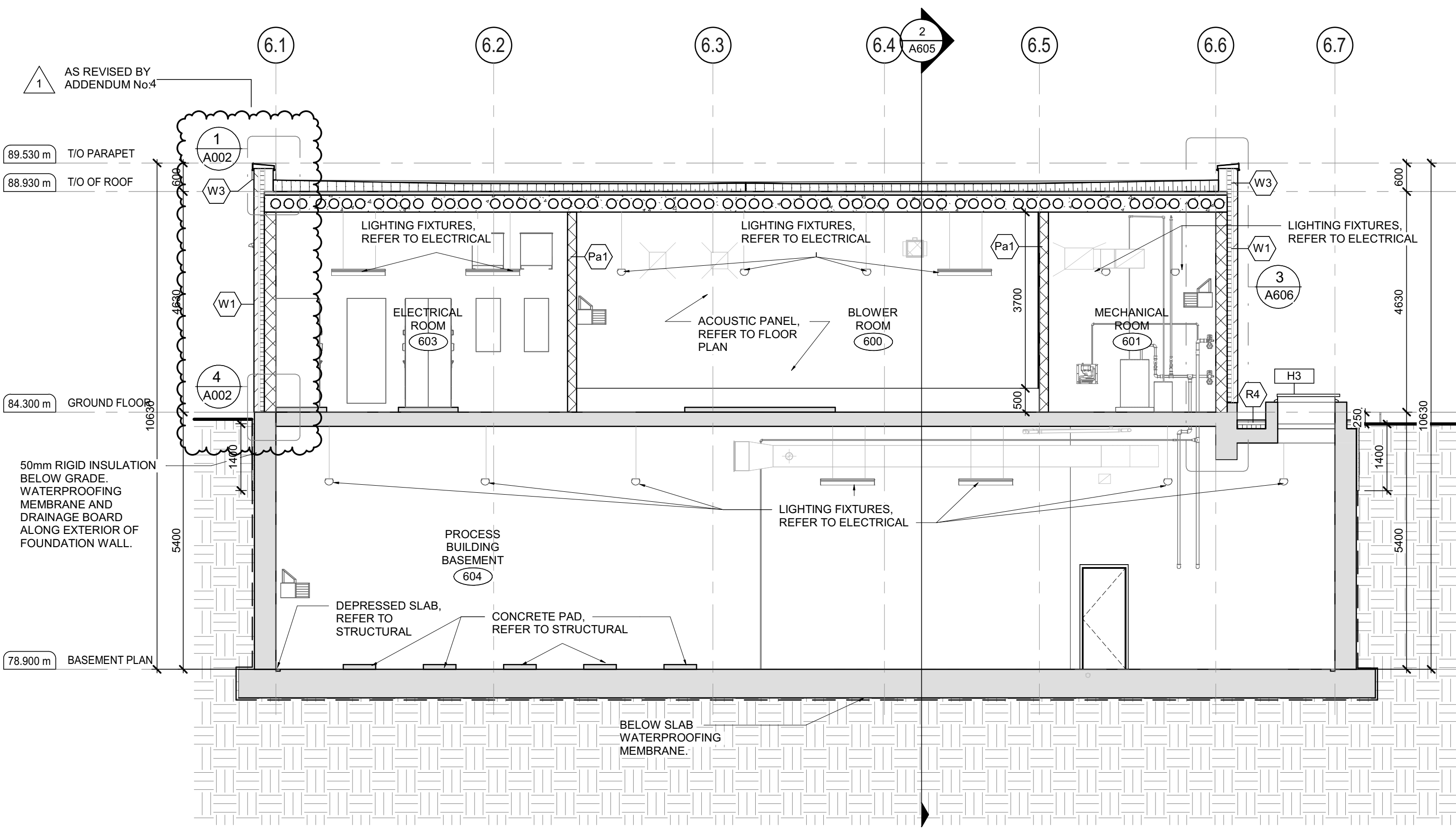
BUILDING SECTION 1

SCALE: 1:75



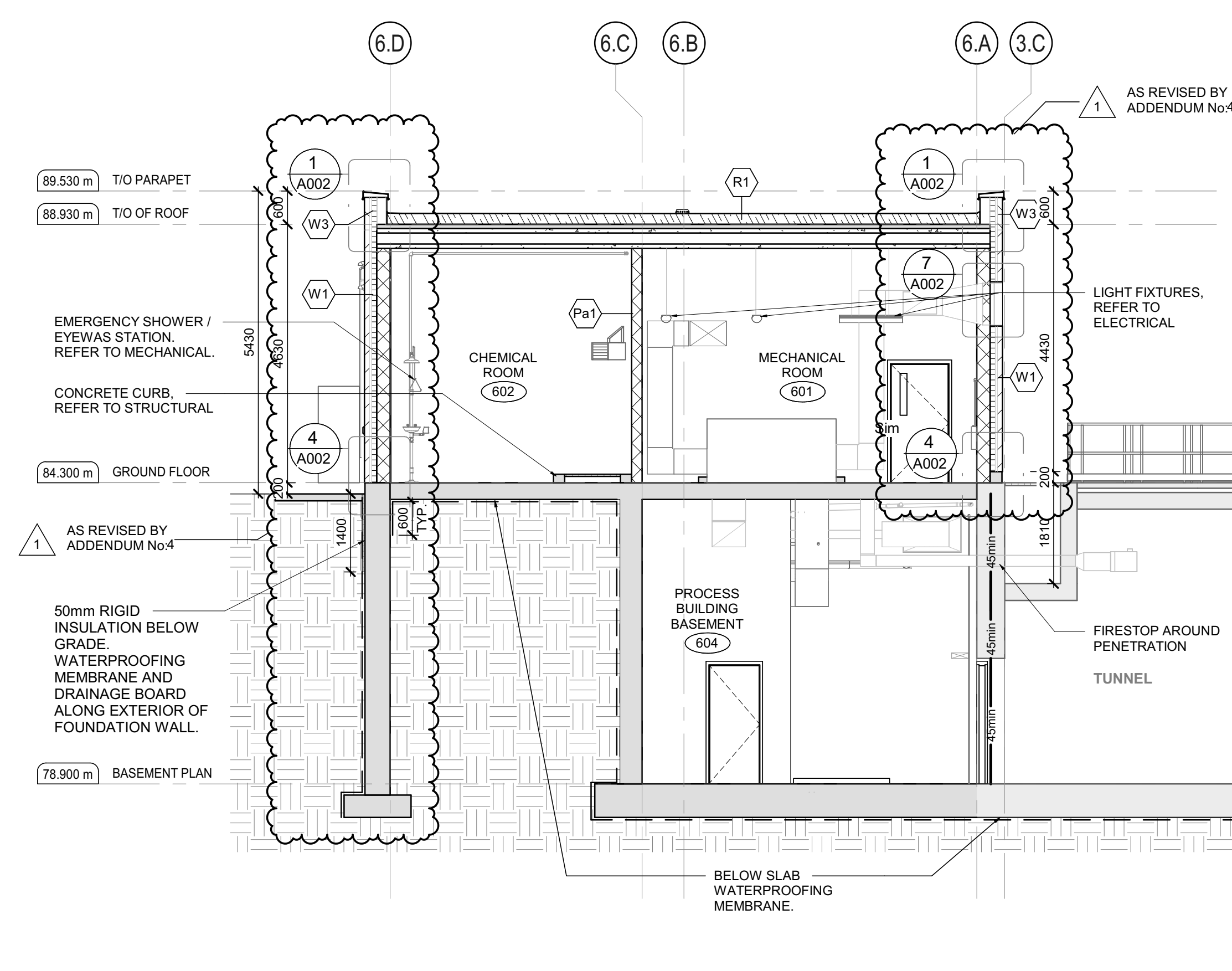
BUILDING SECTION 2

SCALE: 1:75



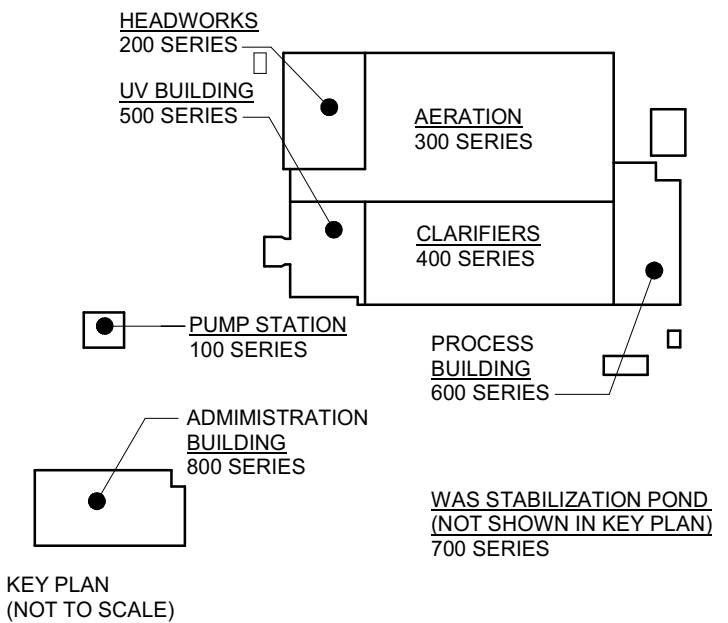
BUILDING SECTION 3

SCALE: 1:75



BUILDING SECTION 4

SCALE: 1:75



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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1:75

CLIENT:

**BRIGHTON**

CONSULTANT:

**J.L. Richards**  
ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROFESSIONAL STAMP

2025-05-29  
OF  
ARCHITECTS  
STEPHANIE CAMPBELL  
LICENCE  
9391

PROJECT NORTH

BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES

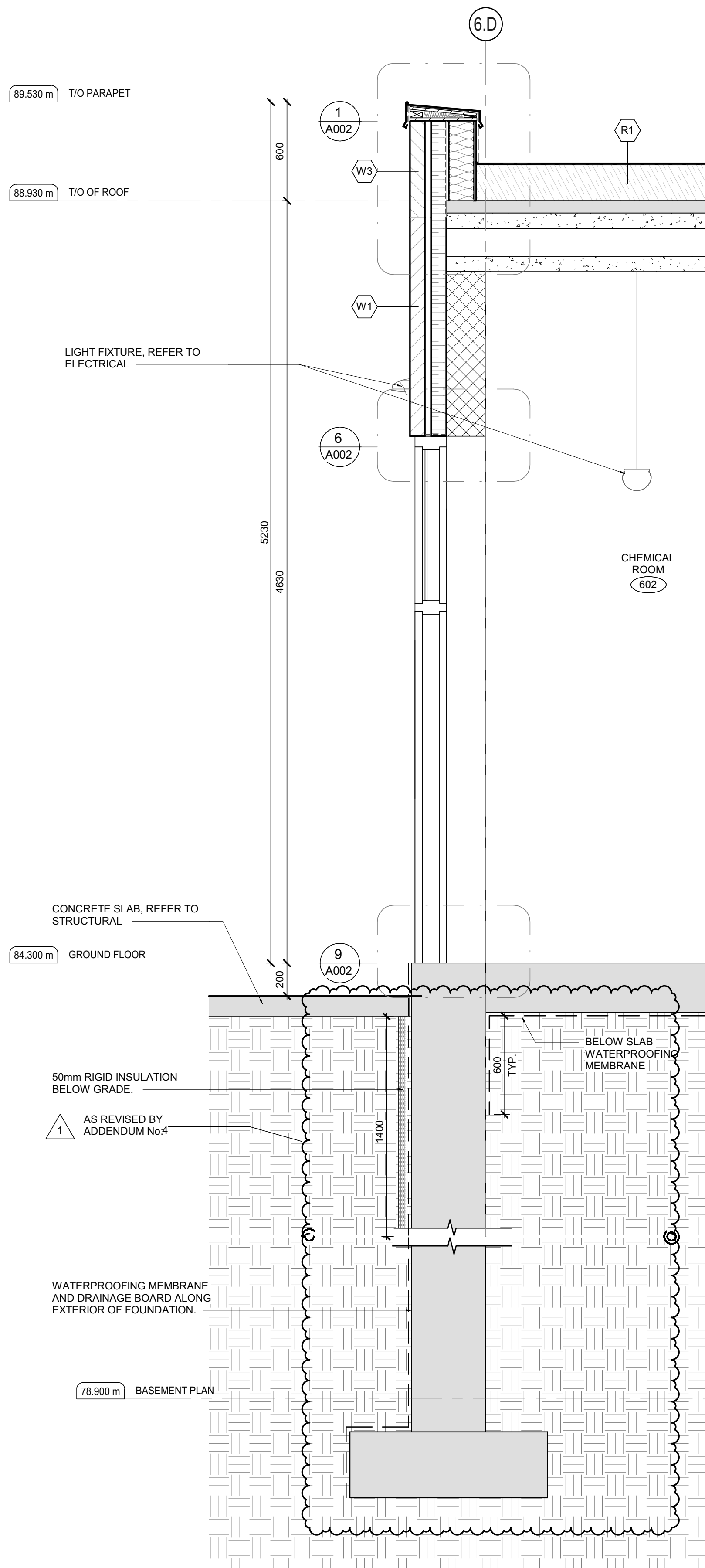
100 COUNTY ROAD 64, BRIGHTON, ONTARIO

ARCHITECTURAL PROCESS BUILDING

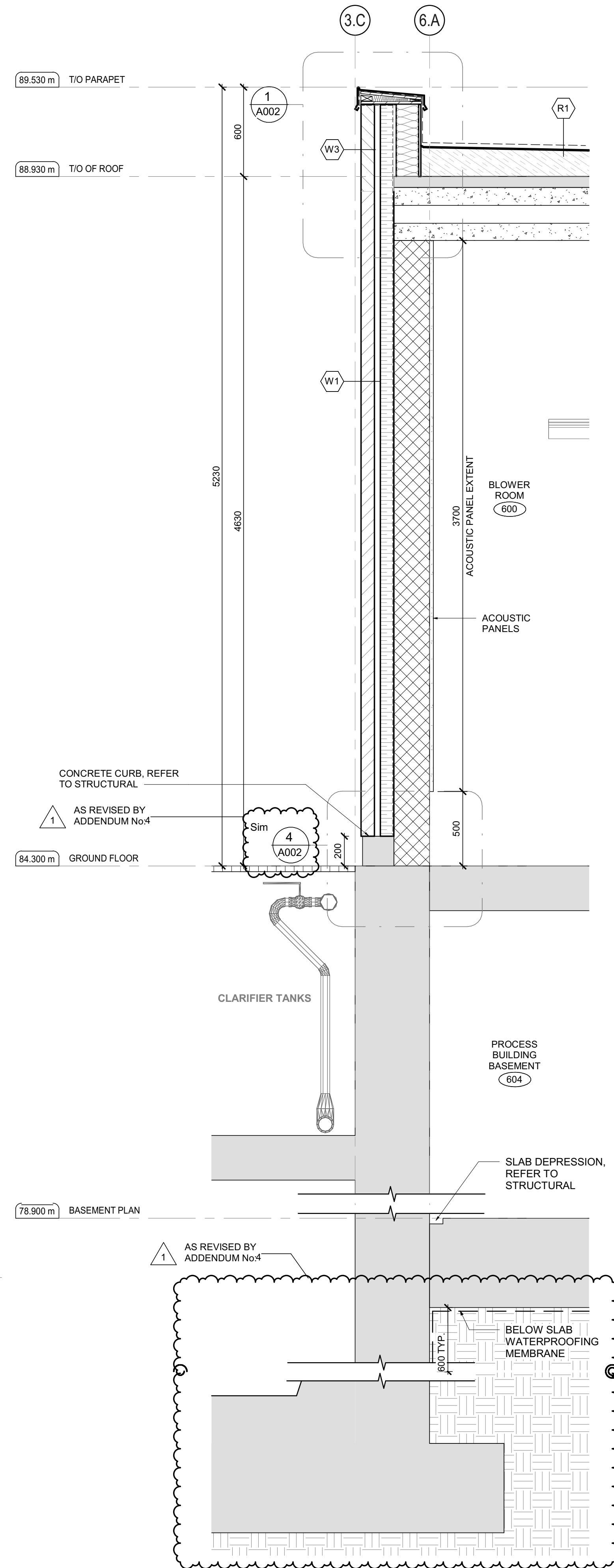
BUILDING SECTIONS

DESIGN:	SC/KA	DRAWING #:	A605
DRAWN:	NP		
CHECKED:	HB/SC		
JLR #:	32296-001		

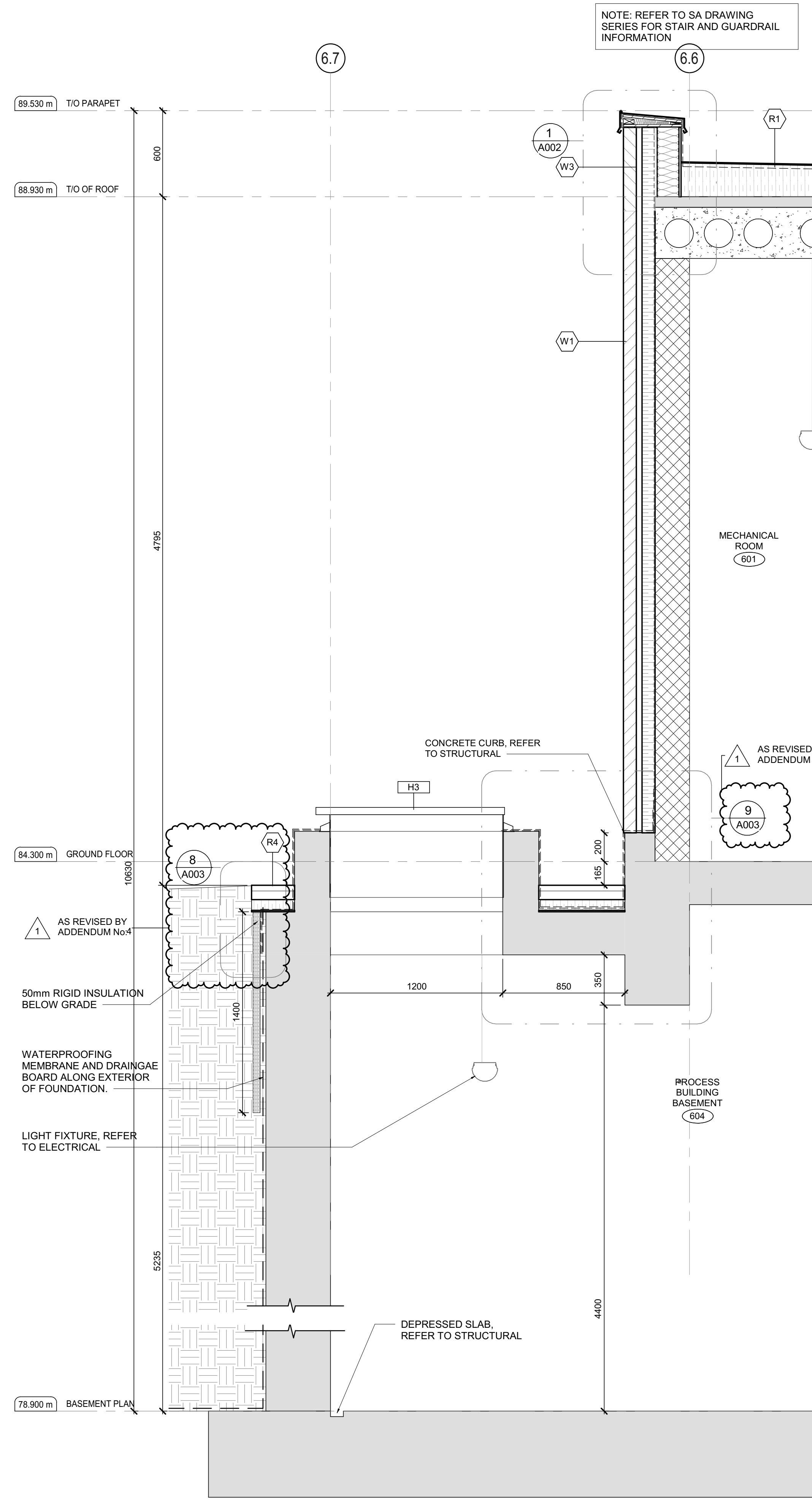




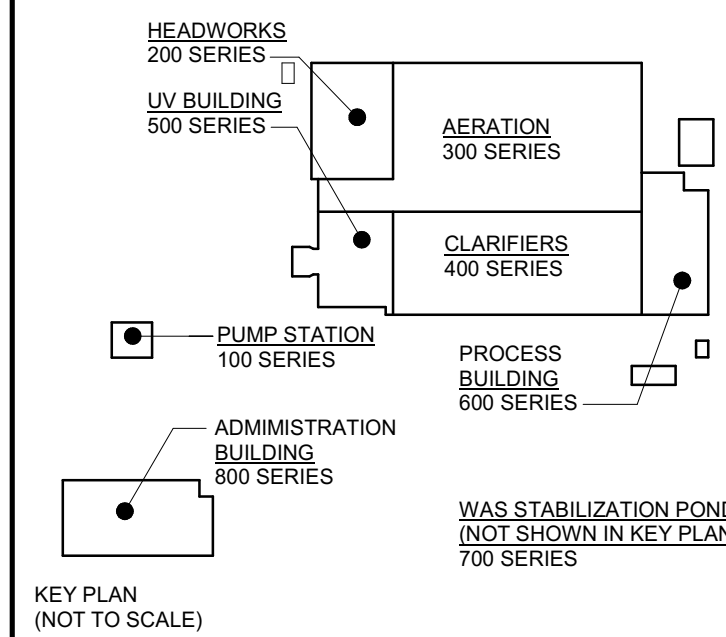
1 WALL SECTION 1  
A606 SCALE: 1:20



2 WALL SECTION 2  
A606 SCALE: 1:20



3 WALL SECTION 3  
A606 SCALE: 1:20



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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING. 0 25mm  
SCALE: 1:20

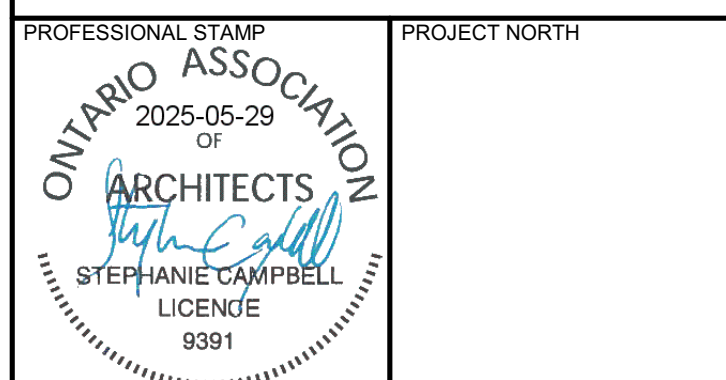
CLIENT:



CONSULTANT: www.jrichards.ca



CONSULTANT:



PROJECT:

BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES  
100 COUNTY ROAD 64, BRIGHTON, ONTARIO

DRAWING:

ARCHITECTURAL  
UV BUILDING  
WALL SECTIONS

DESIGN: SC/KA  
DRAWN: NP  
CHECKED: HB/SC  
JLR #: 32296-001  
DRAWING #: A606

File Location: C:\Users\NParedes\Documents\32296 A Process Building R23 NParedes\Hall.vr  
PLOT DATE: 28/05/2025 2:18:49 PM



**LEGEND:**

1hr FIRE SEPARATION (60min FIRE RATING)

**WIDTH AND HEIGHT OF EXITS:**

1) THE WIDTH OF AN EXIT SHALL BE NOT LESS THAN  
- 1100mm FOR CORRIDORS AND PASSAGEWAYS  
- 900mm FOR STAIRS  
- 790mm FOR DOORWAYS

2) EVERY EXIT SHALL HAVE A CLEAR HEIGHT OVER THE CLEAR WIDTH OF THE EXIT OF NOT LESS THAN 2100mm

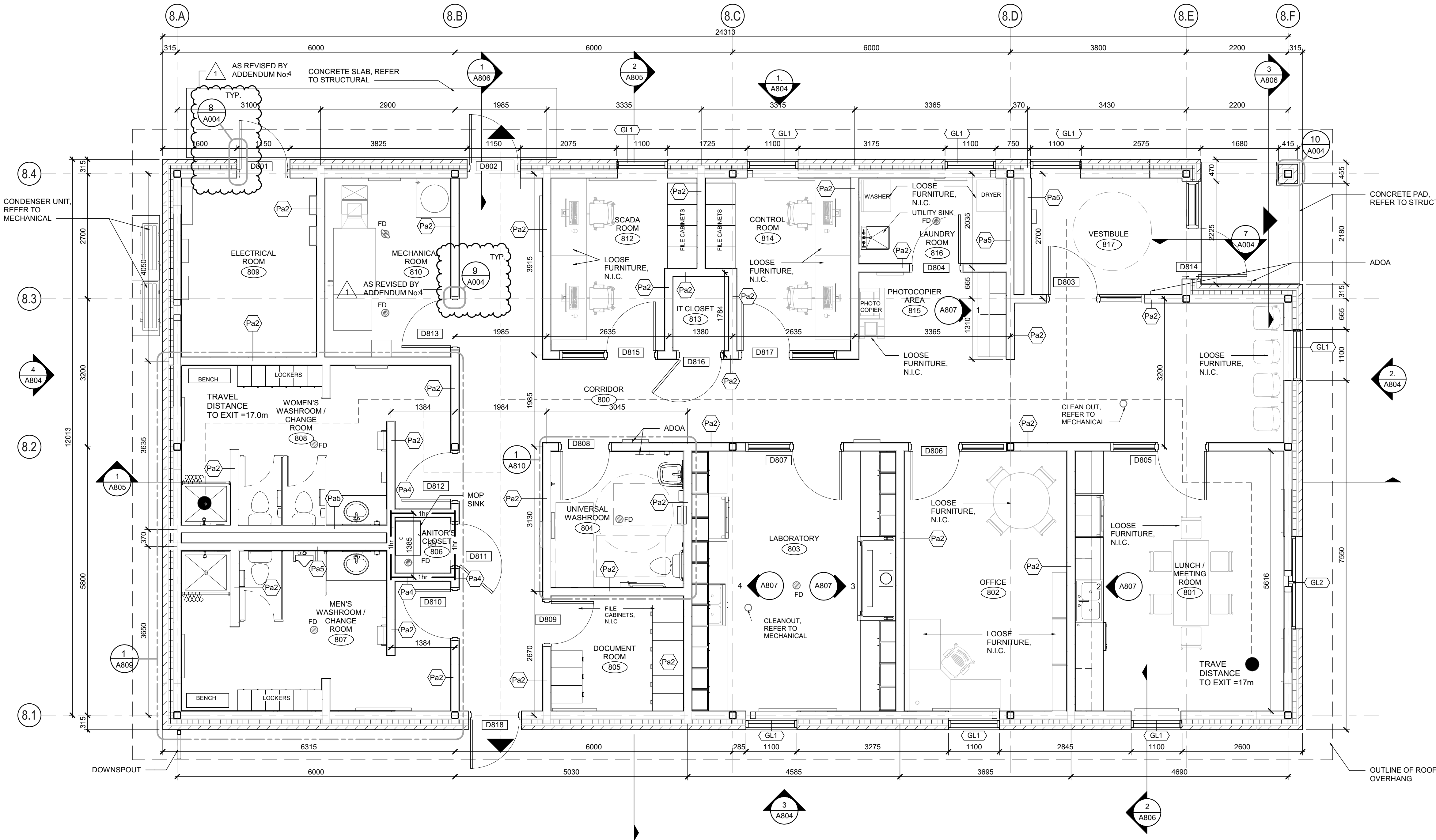
3) CLEAR HEIGHT OF DOORWAYS SHALL NOT BE LESS THAN 2030mm

**TRAVEL DISTANCE:**

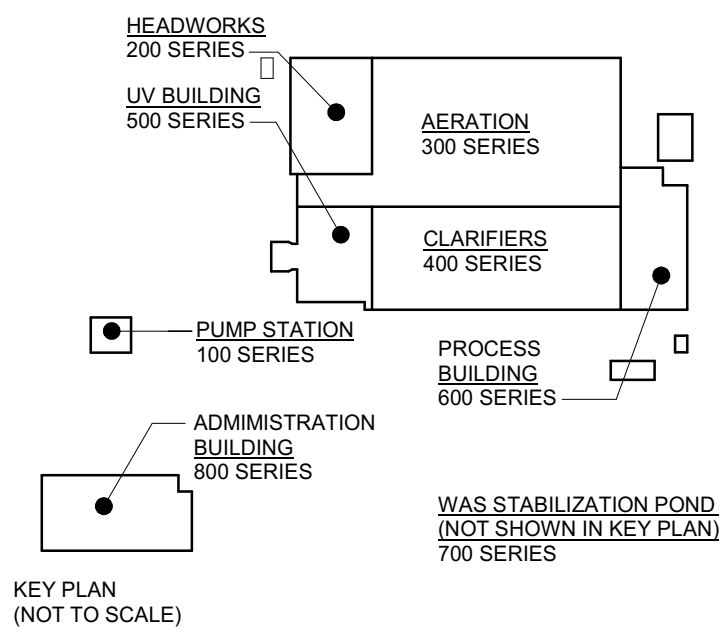
--- SERVICE EGRESS 30 m

● START POINT

▲ EXIT POINT



ADMINISTRATION BUILDING GROUND FLOOR PLAN  
SCALE: 1:50



DESIGN DOCUMENTS HEREIN HAVE BEEN DESIGNED UNDER THE ONTARIO BUILDING CODE 2012.

1	ISSUED FOR ADDENDUM 4	28/05/2025
0	ISSUED FOR TENDER	25/04/2025
No.	ISSUE / REVISION	DD/MM/YY

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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING. 0 25mm  
SCALE: As indicated

CLIENT:

**BRIGHTON**

CONSULTANT:

**J.L. Richards**  
ENGINEERS · ARCHITECTS · PLANNERS

CONSULTANT:

PROFESSIONAL STAMP  
ONTARIO ASSOCIATION OF ARCHITECTS  
2025-05-29  
STEPHANIE CAMPBELL  
LICENCE 9391

PROJECT NORTH

PROJECT:

**BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES**

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

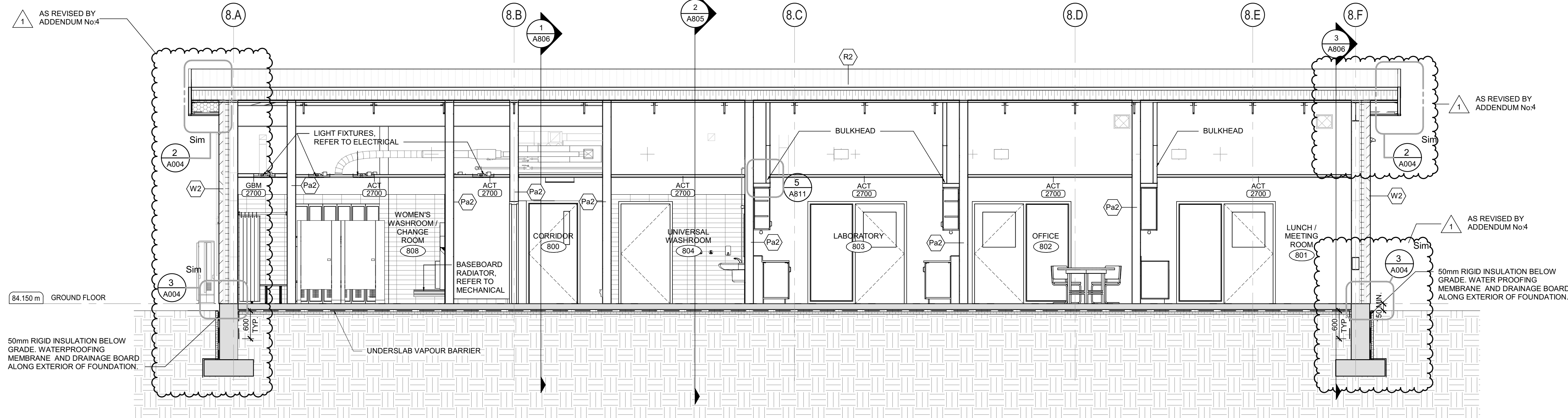
DRAWING:

**ARCHITECTURAL ADMINISTRATION BUILDING GROUND FLOOR PLAN**

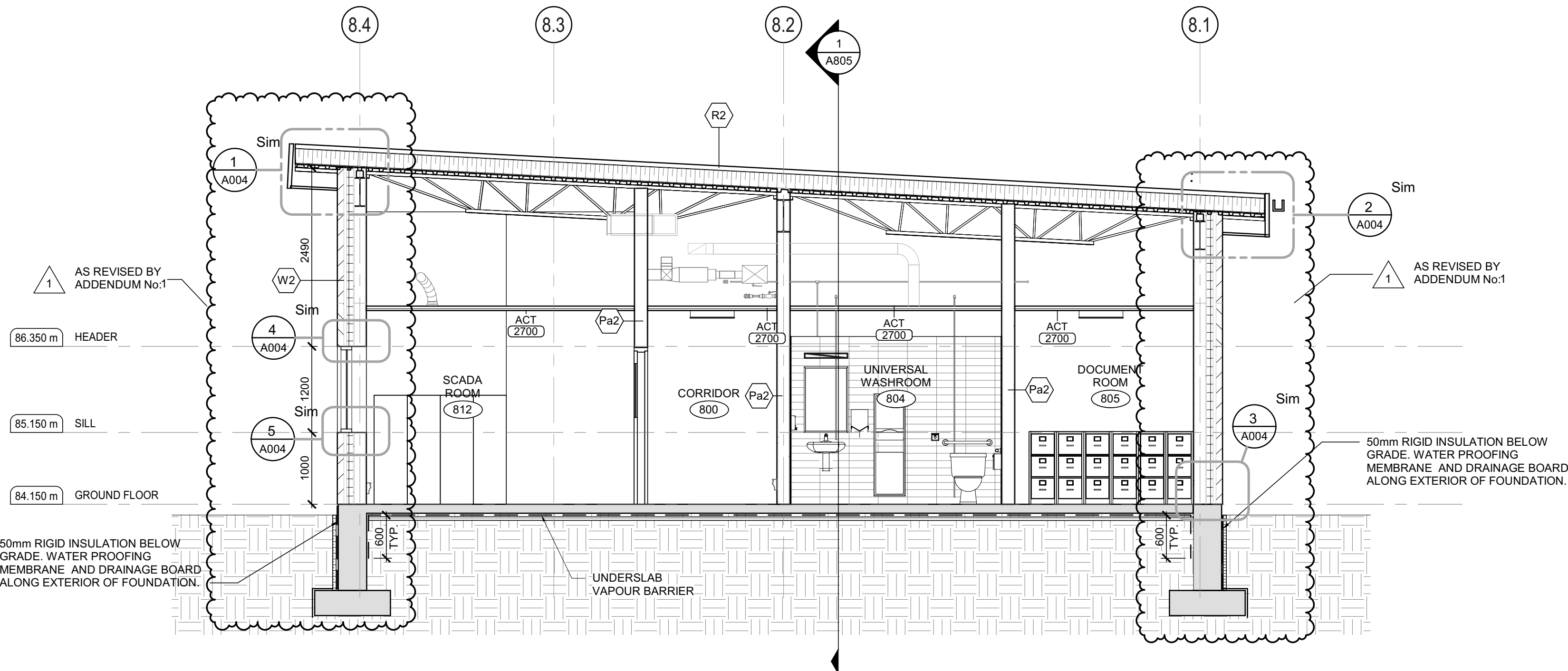
DESIGN: SC/KA	DRAWING #:
DRAWN: NP	<b>A801</b>
CHECKED: HB/SC	
JLR #: 32296-001	



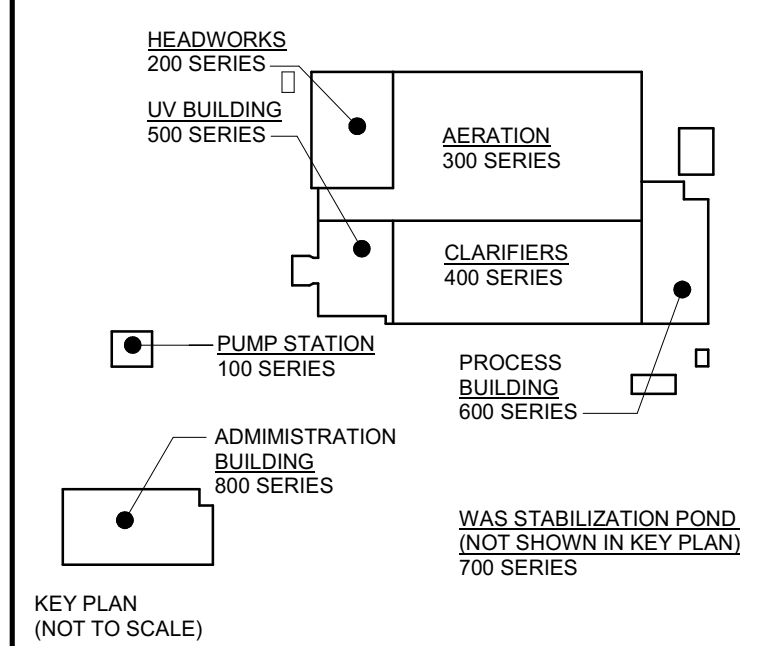
AS REVISED BY  
ADDENDUM No.4



1  
A805  
ADMINISTRATION BUILDING SECTION 1  
SCALE : 1 : 50



2  
A805  
ADMINISTRATION BUILDING SECTION 2  
SCALE : 1 : 50



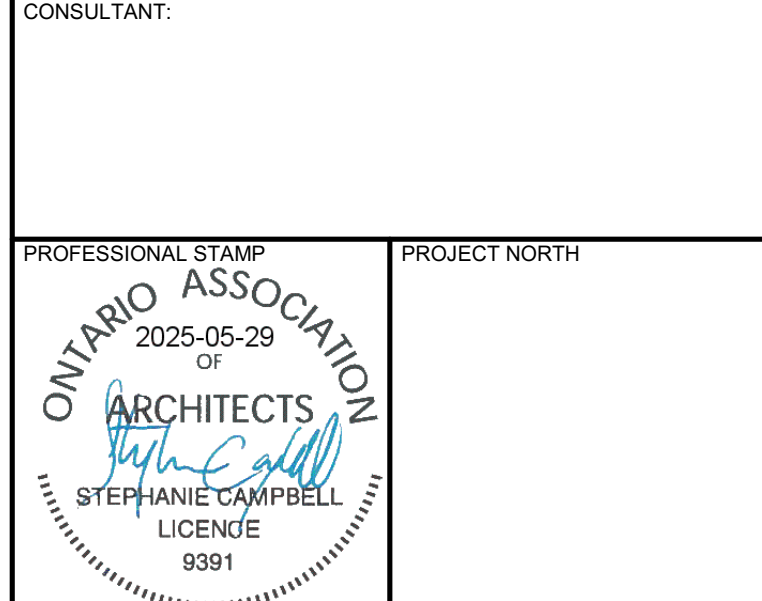
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SCALE: 1 : 50



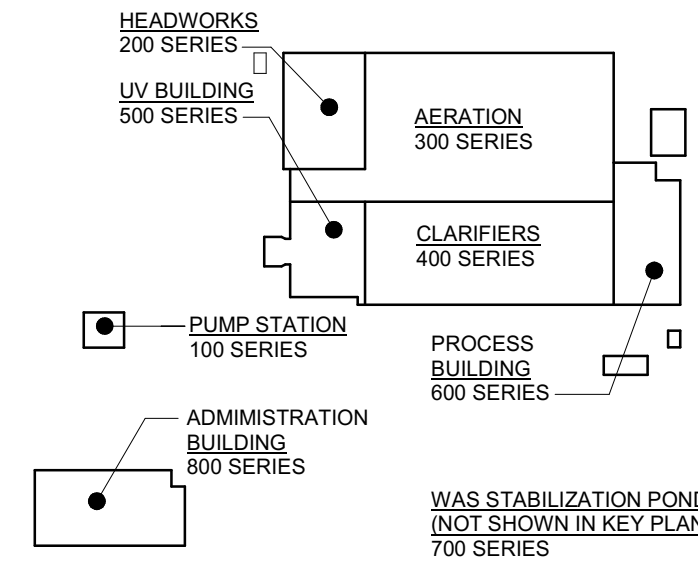
PROJECT: BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES  
100 COUNTY ROAD 64, BRIGHTON, ONTARIO

DRAWING: ARCHITECTURAL ADMINISTRATION BUILDING BUILDING SECTIONS

DESIGN: SC/KA	DRAWING #:
DRAWN: NP	A805
CHECKED: HB/SC	
JLR #:	32296-001

File Location: C:\Users\NParedes\Documents\32296 - Admin R23 - NParedes\Hall.rvt  
PLOT DATE: 28/05/2025 2:46:15 PM





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SCALE: 1 : 20

CLIENT:

CONSULTANT:

www.jrichards.ca

CONSULTANT:

PROFESSIONAL STAMP

2025-05-29 OF ARCHITECTS

STEPHANIE CAMPBELL LICENCE 9391

PROJECT NORTH

PROJECT:

BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

DRAWING:

ARCHITECTURAL ADMINISTRATION BUILDING WALL SECTIONS

DESIGN: SC/KA

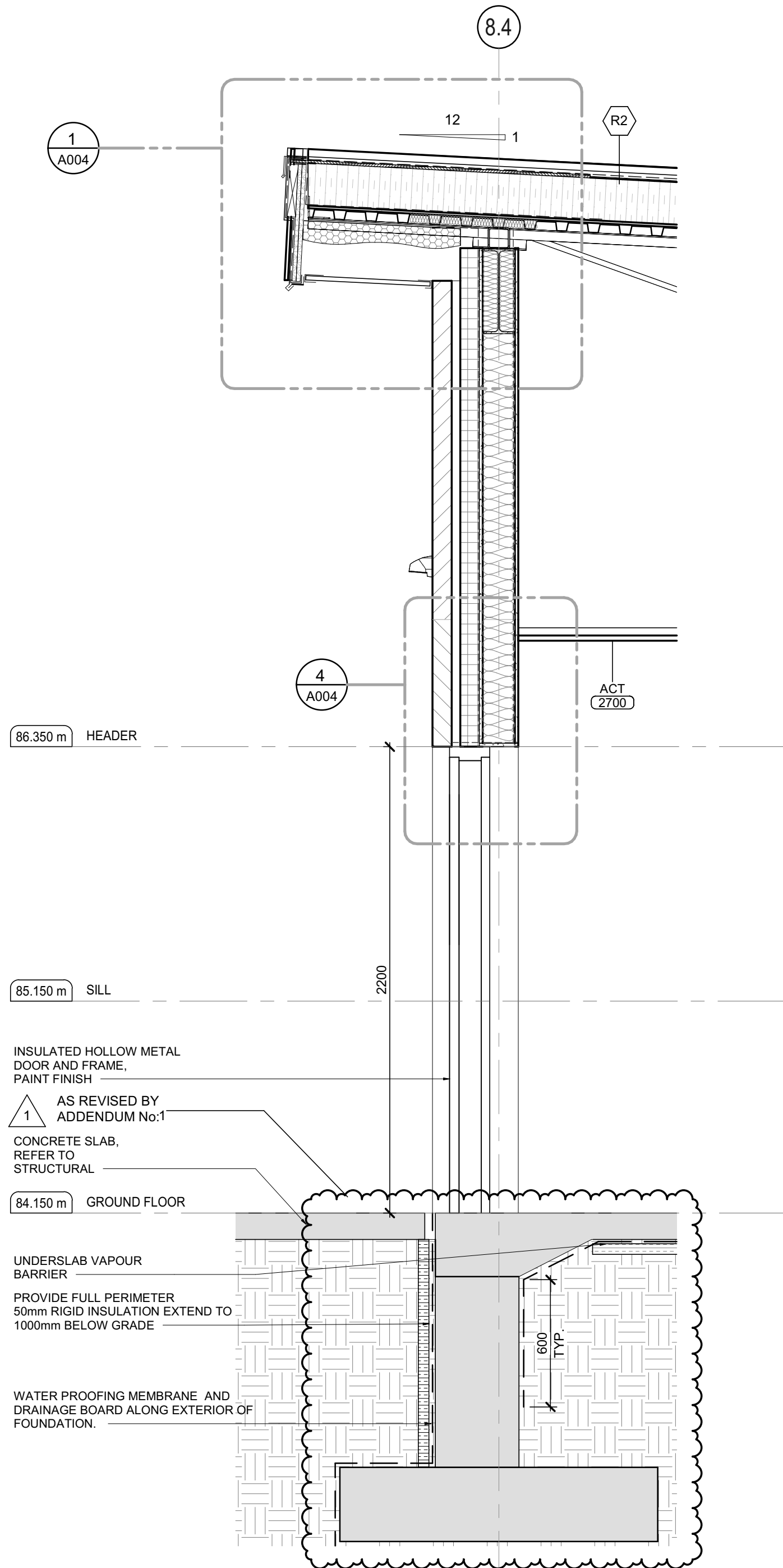
DRAWN: NP

CHECKED: HB/SC

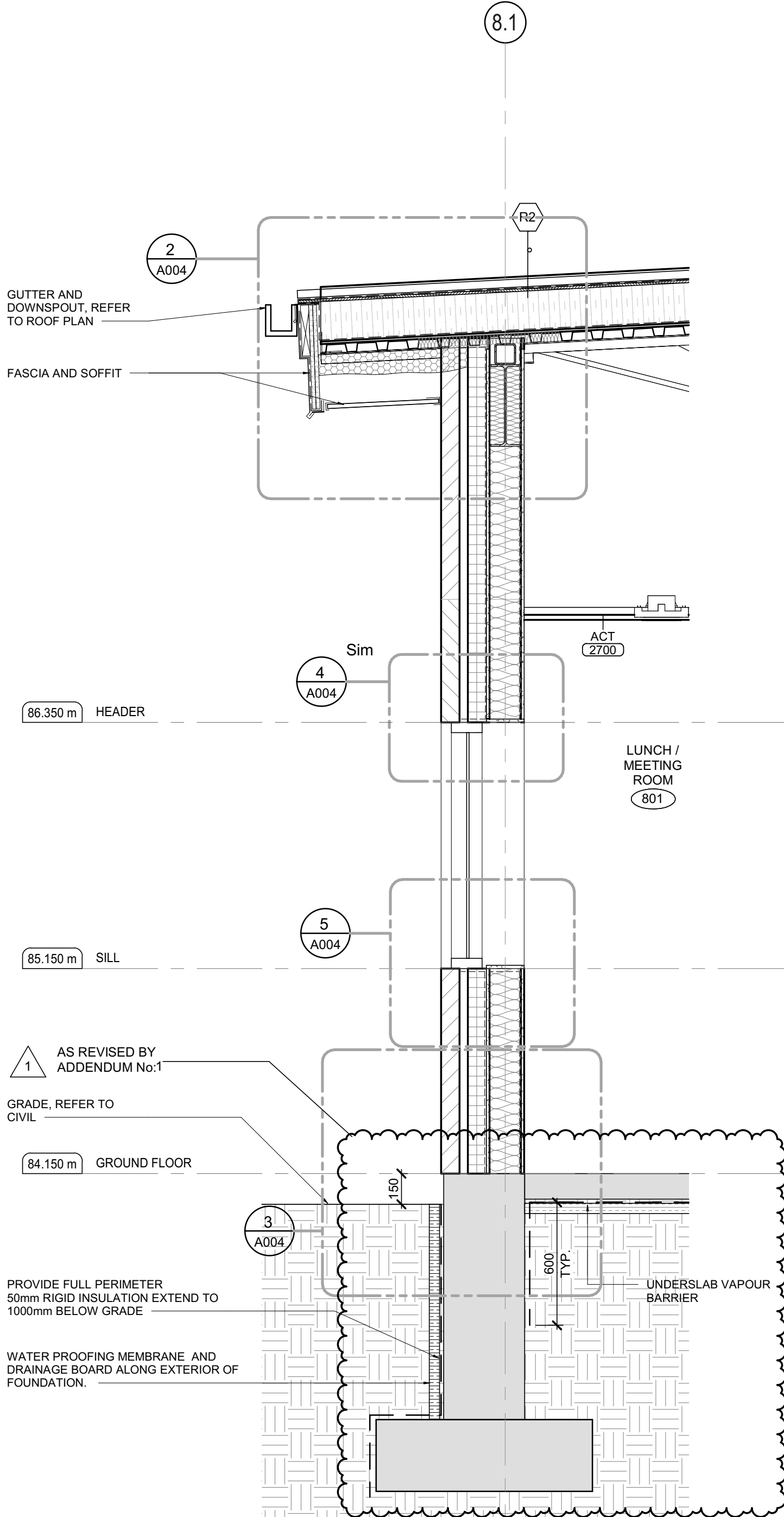
JLR #: 32296-001

DRAWING #:

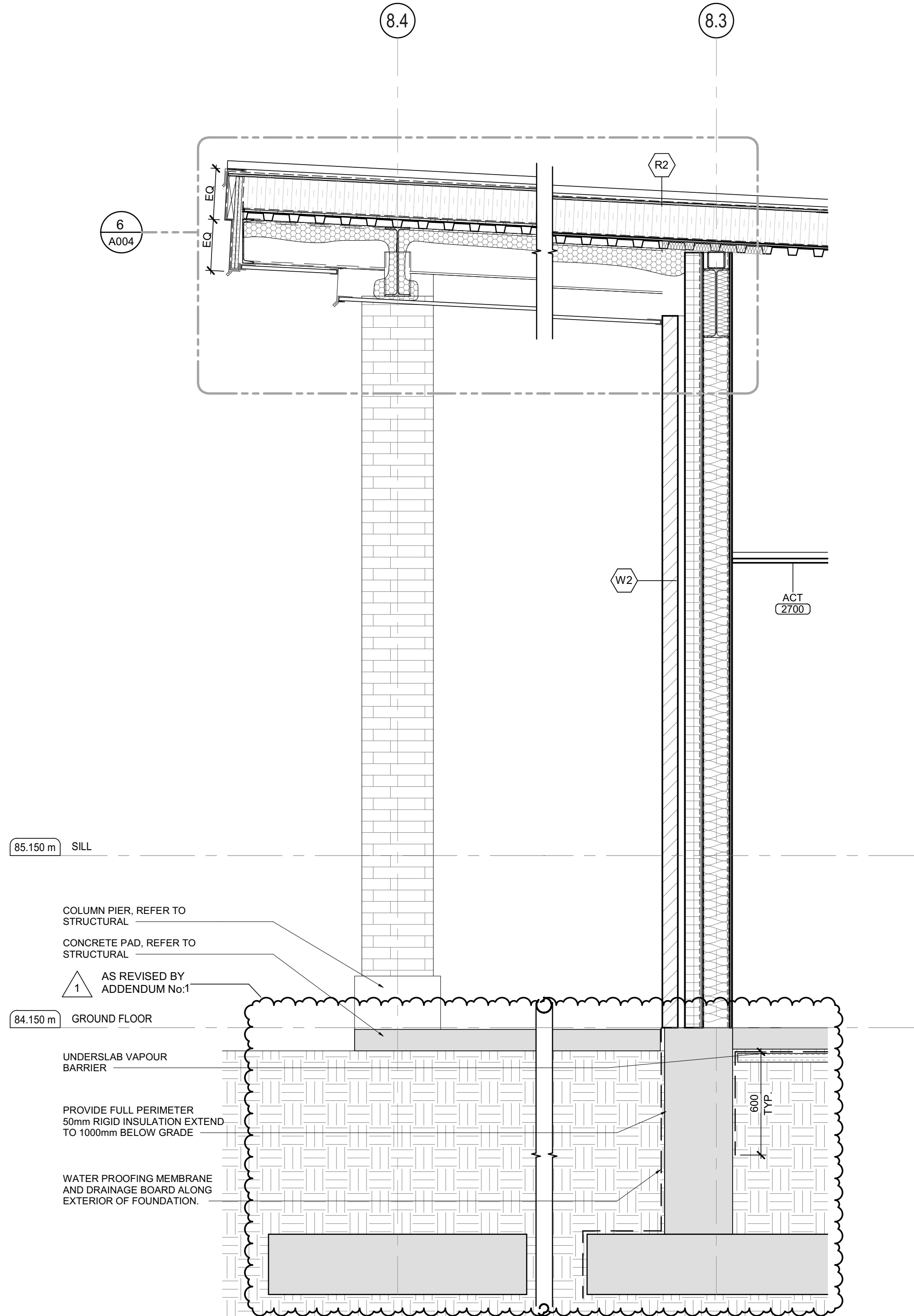
A806



1 ADMINISTRATION WALL SECTION @DOOR  
SCALE: 1 : 20

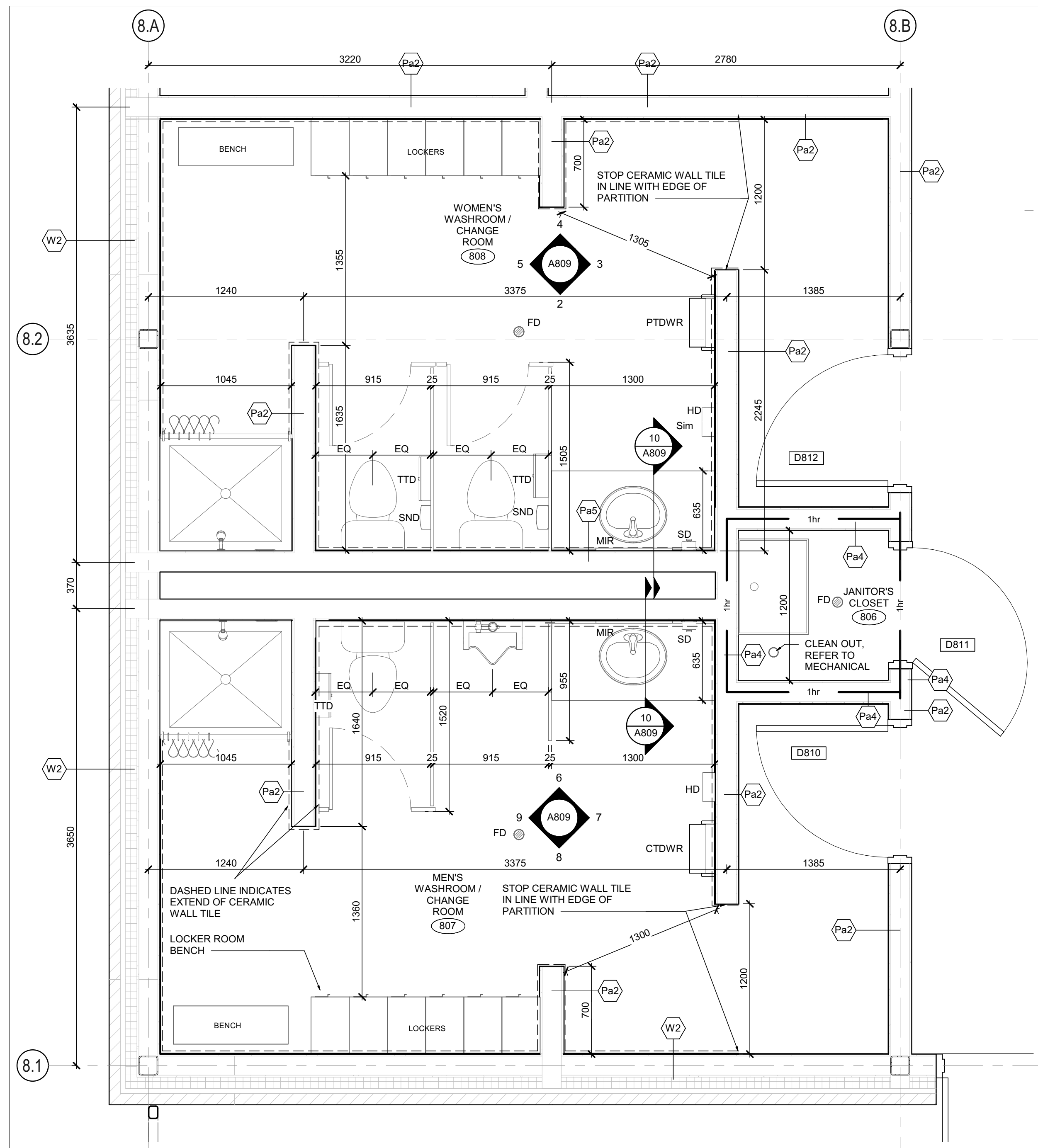


2 ADMINISTRATION WALL SECTION @WINDOW  
SCALE: 1 : 20



3 ADMINISTRATION WALL SECTION @VESTIBULE OVERHANG  
SCALE: 1 : 20



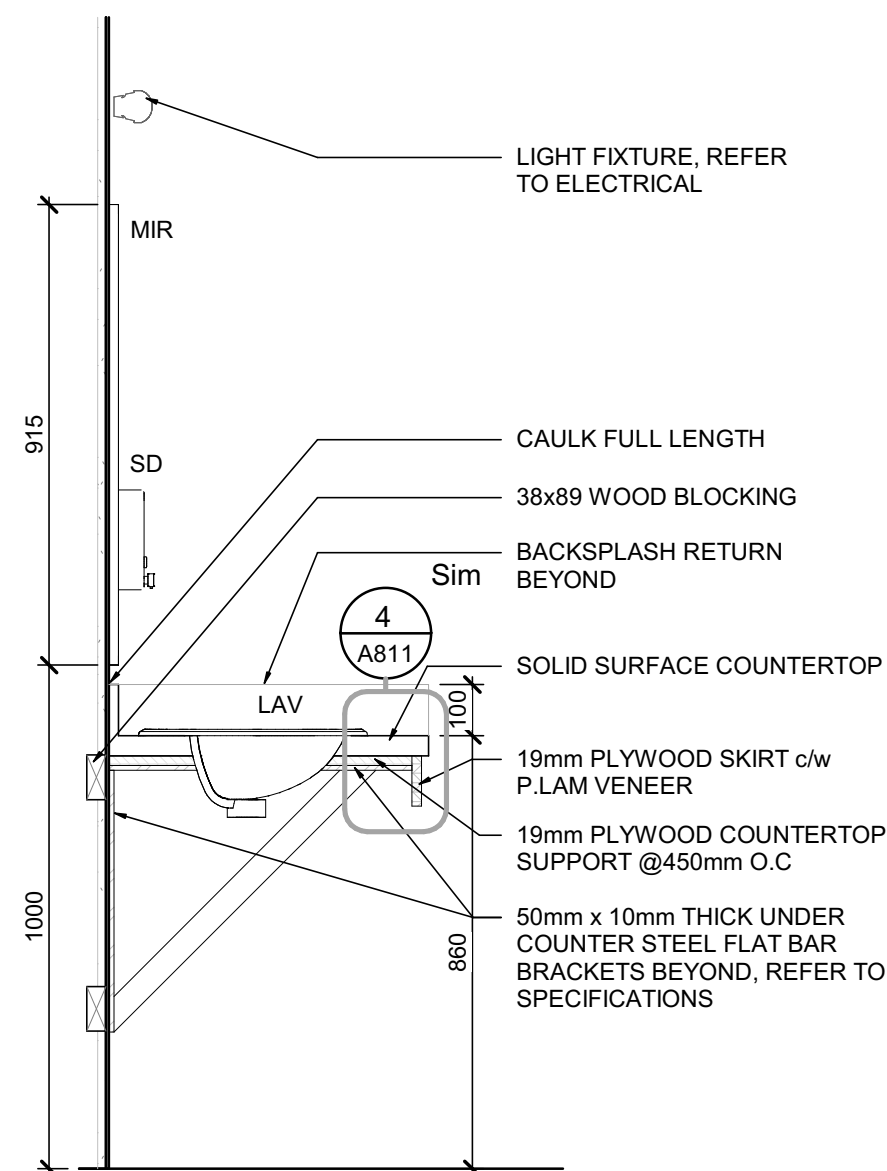


**WOMEN AND MEN WASHROOM'S  
ENLARGED PLAN**

SCALE : 1 : 25

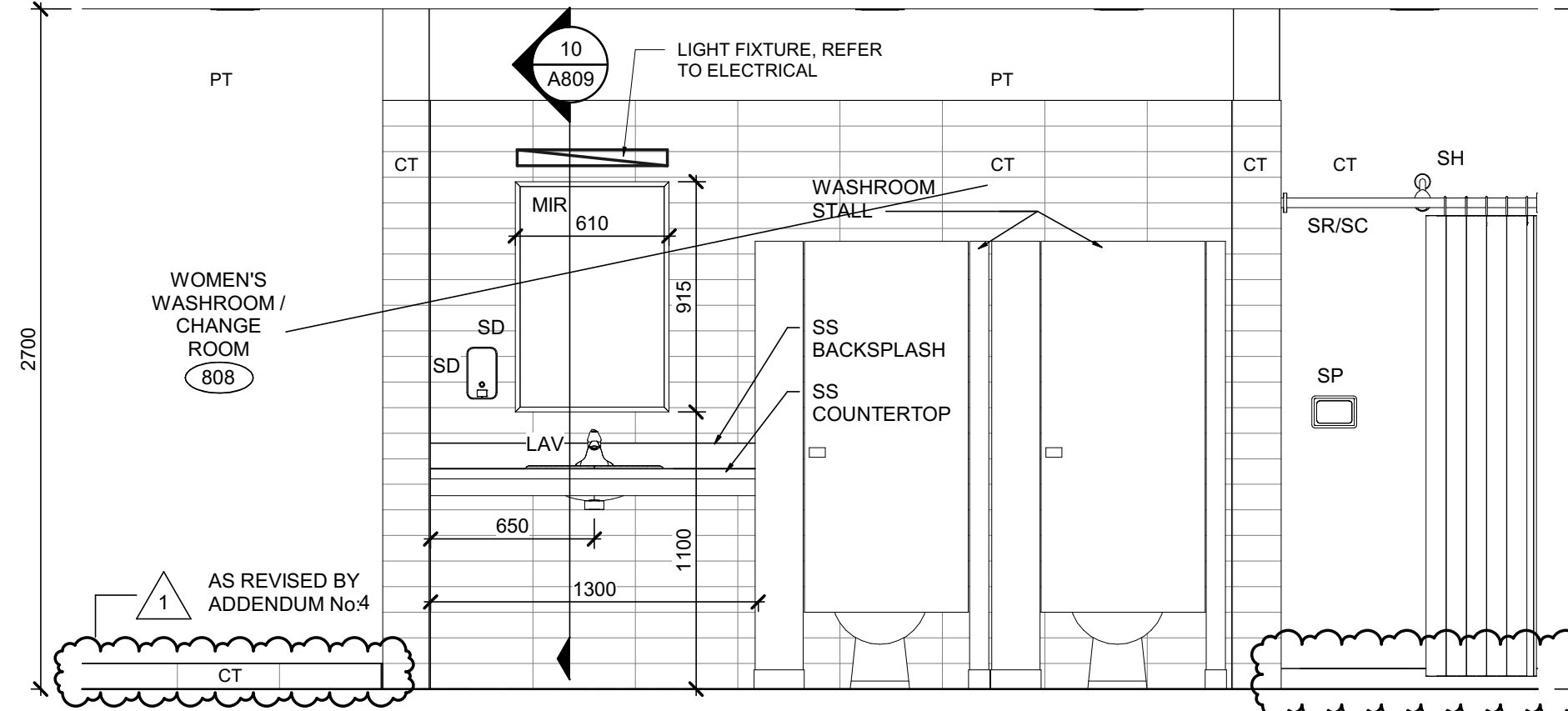
**ABBREVIATIONS**

ADOA	AUTOMATIC DOOR OPERATOR ACTUATOR
CTDWR	RECESSED COMBINATION TOWEL DISPENSER/ WASTE RECEPTACLE
CT	CERAMIC TILE
ECB	EMERGENCY CALL BUTTON
FD	FLOOR DRAIN, REFER TO MECH. DWG'S
GB1	GRAB BAR, 24" HORIZONTAL
GB2	GRAB BAR, 30" x 30" L SHAPE
HD	HAND DRYER
BN	BENCH
LAV	LAVATORY
LK	"PUSH TO LOCK" BUTTON
LKR	LOCKER
MIR	MIRROR
RH	ROBE HOOK
SC	SHOWER CURTAIN
SH	SHOWER HEAD
SND	SOAP DISPENSER
TTD	TOILET TISSUE DISPENSER
UR	URINAL
WC	WATER CLOSET
---	EXTENT OF CERAMIC TILE (CT)



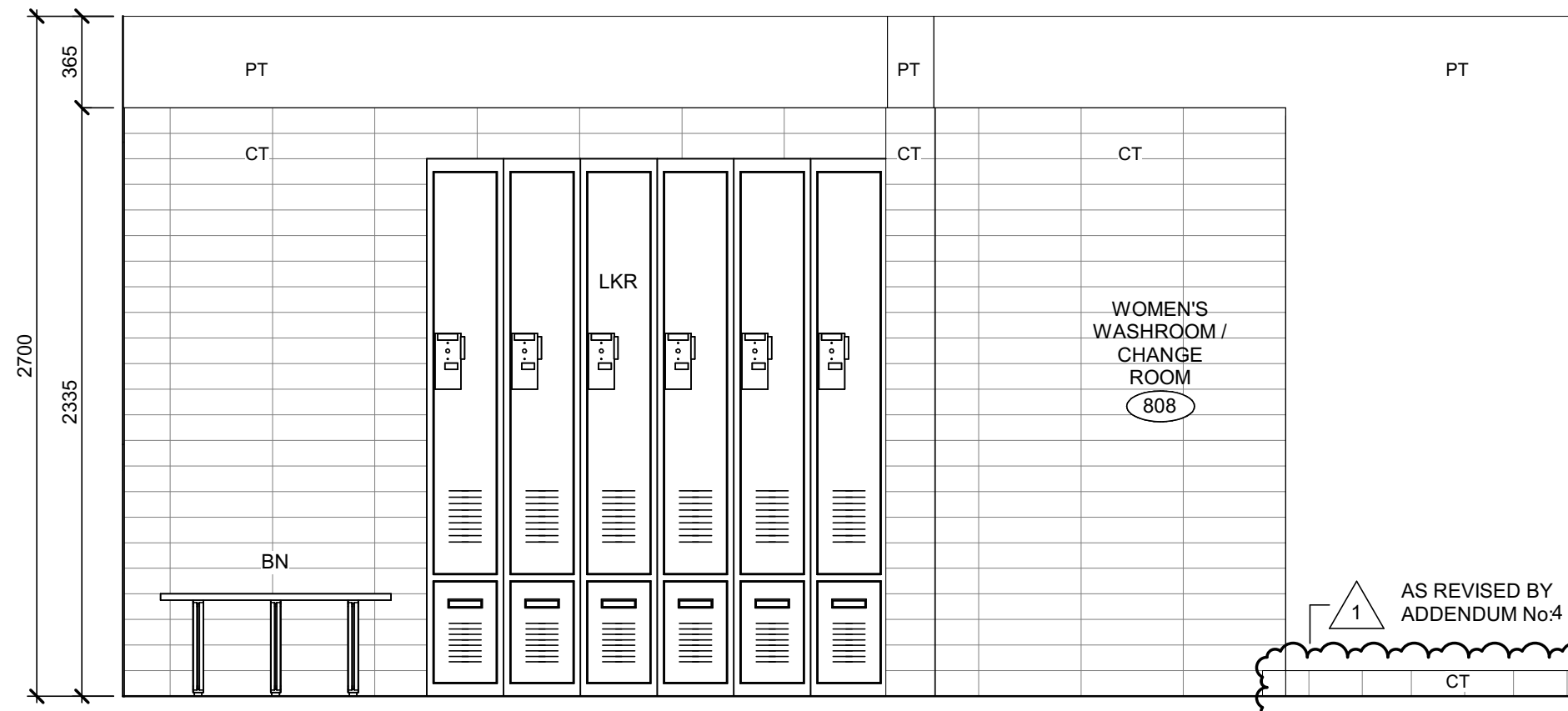
**WASHROOM MILLWORK  
SECTION**

SCALE : 1 : 15



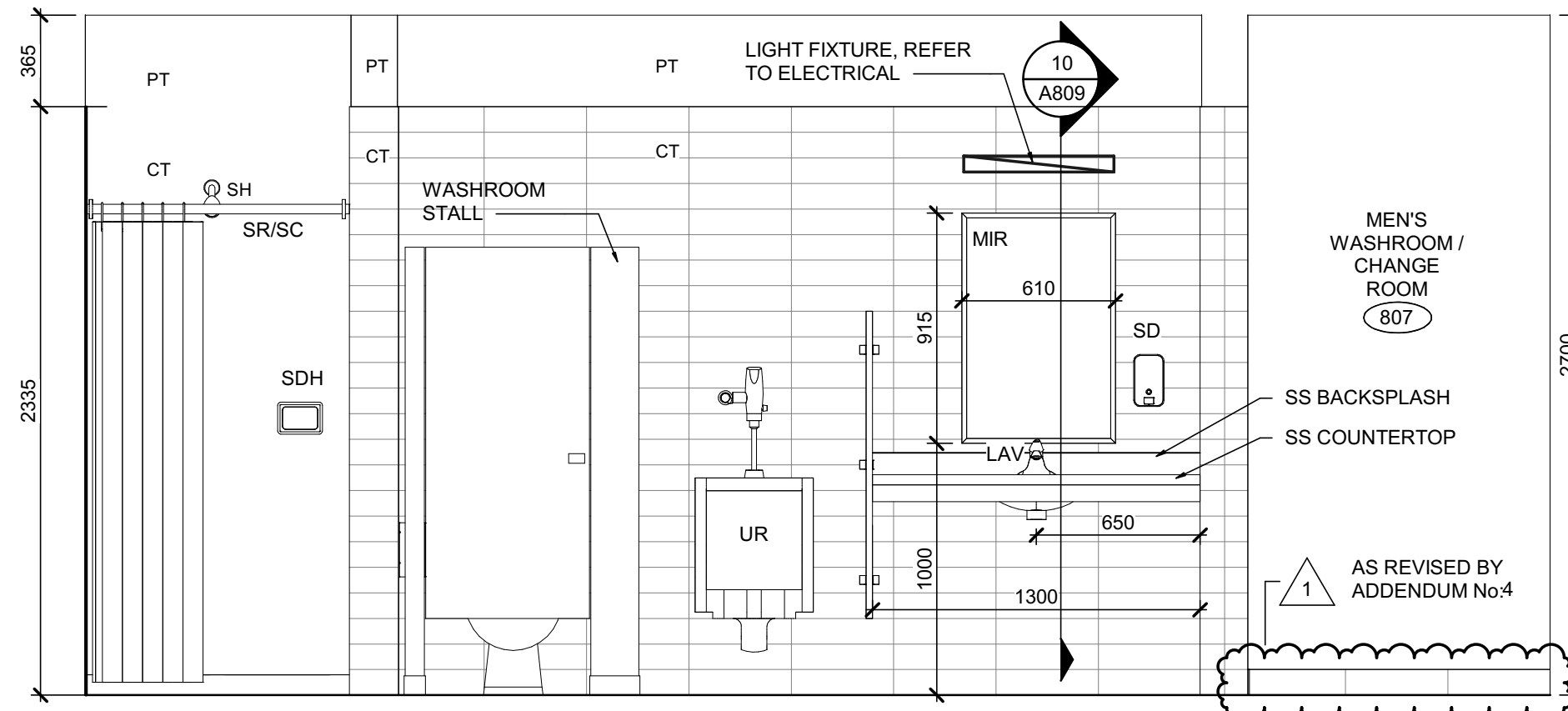
**WOMEN'S WASHROOM -  
SOUTH ELEVATION**

SCALE : 1 : 25



**WOMEN'S WASHROOM -  
NORTH ELEVATION**

SCALE : 1 : 25



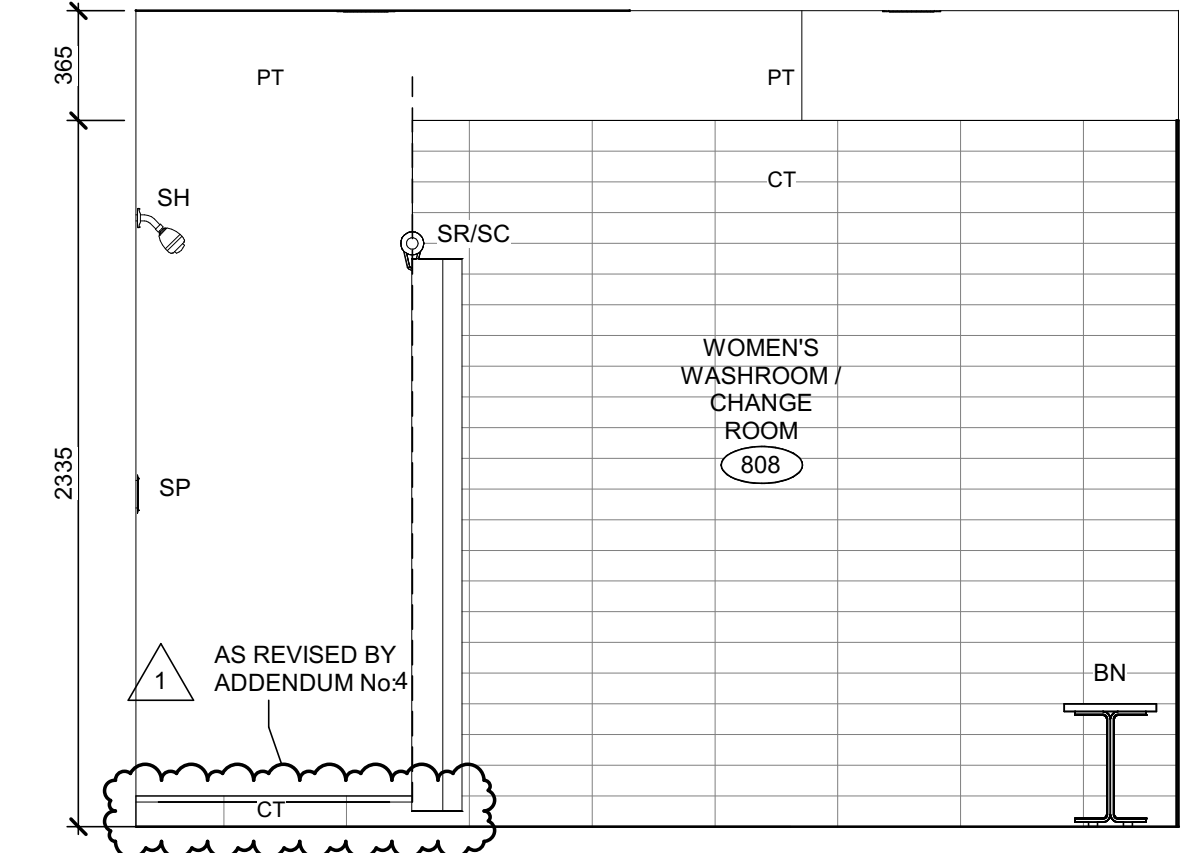
**MEN'S WASHROOM - NORTH  
ELEVATION**

SCALE : 1 : 25



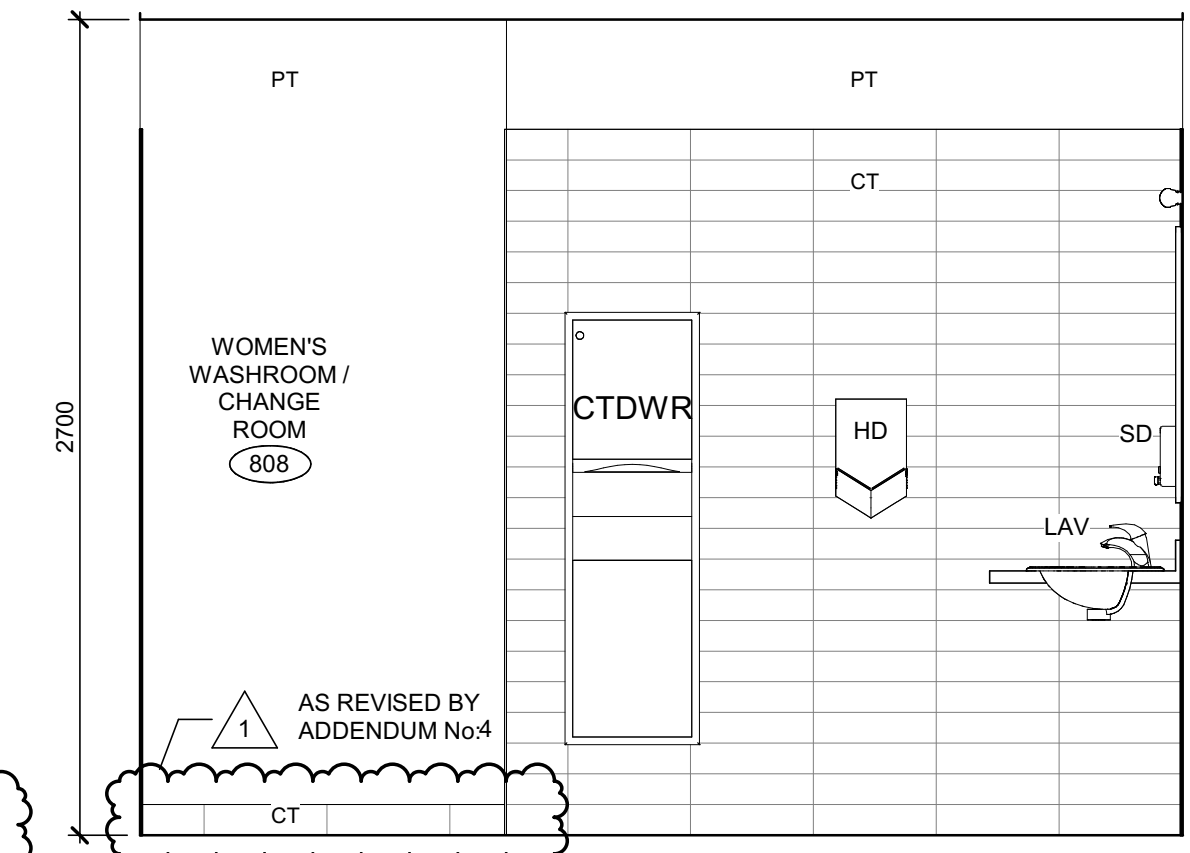
**MEN'S WASHROOM - SOUTH  
ELEVATION**

SCALE : 1 : 25



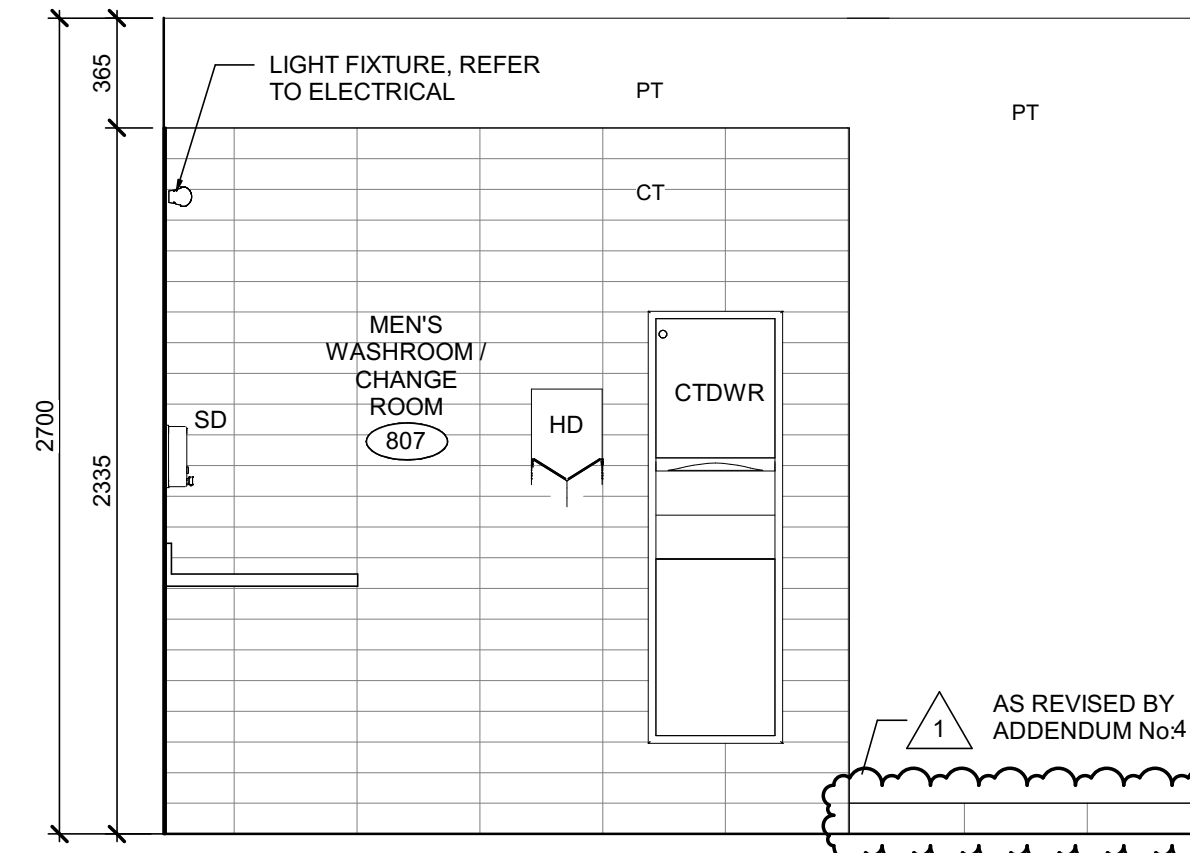
**WOMEN'S WASHROOM -  
WEST ELEVATION**

SCALE : 1 : 25



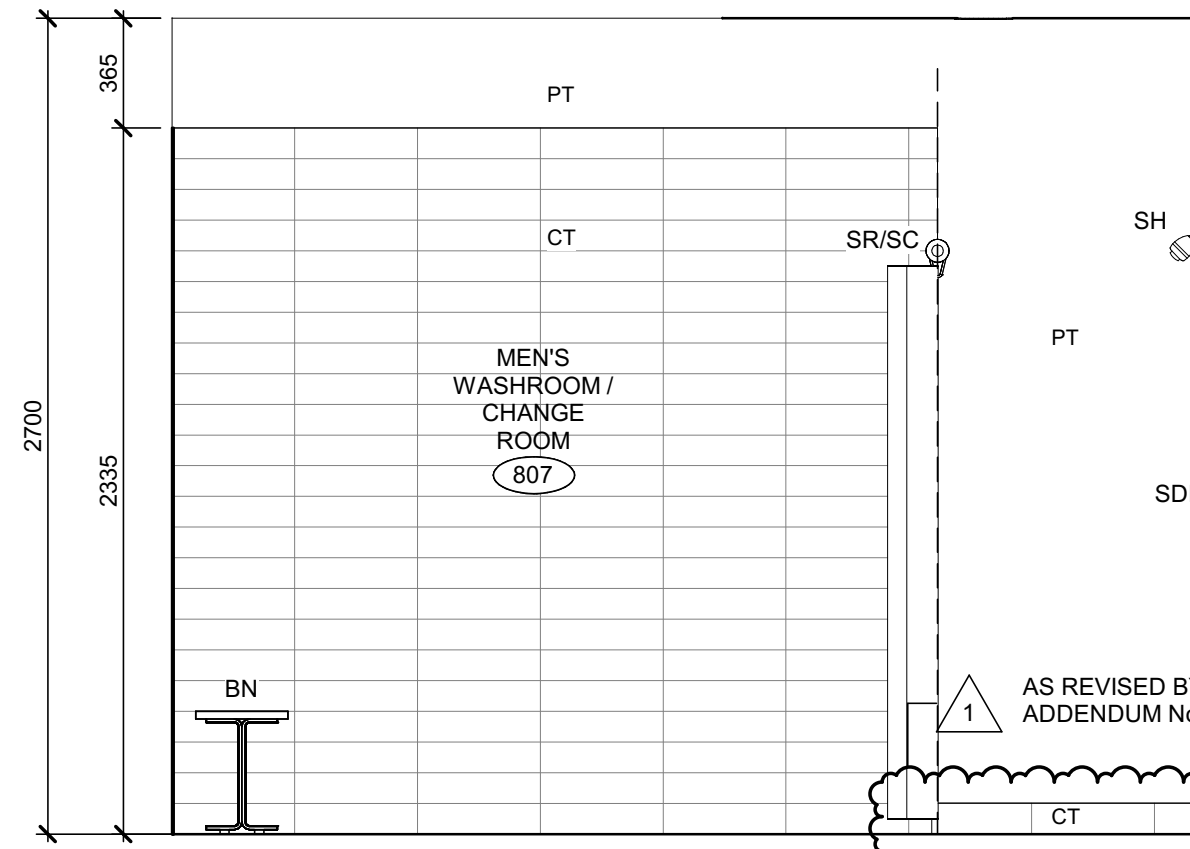
**WOMEN'S WASHROOM -  
EAST ELEVATION**

SCALE : 1 : 25



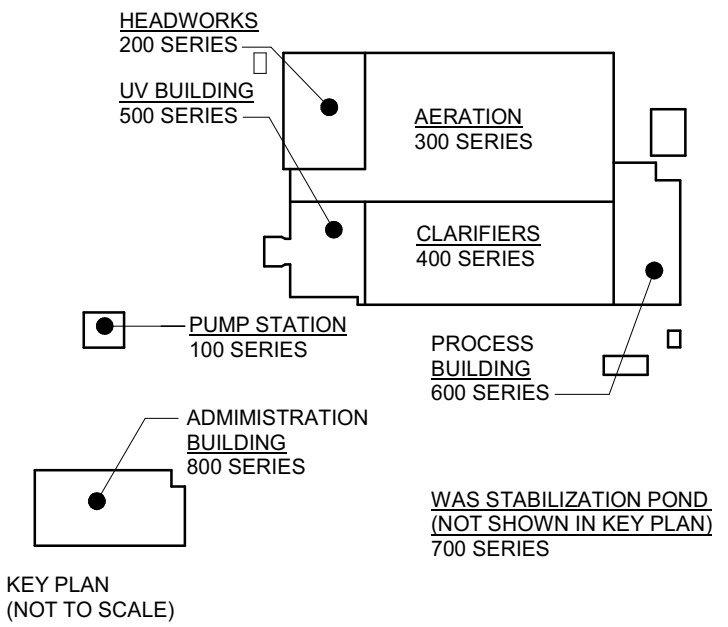
**MEN'S WASHROOM - EAST  
ELEVATION**

SCALE : 1 : 25



**MEN'S WASHROOM - WEST  
ELEVATION**

SCALE : 1 : 25



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SCALE: As indicated

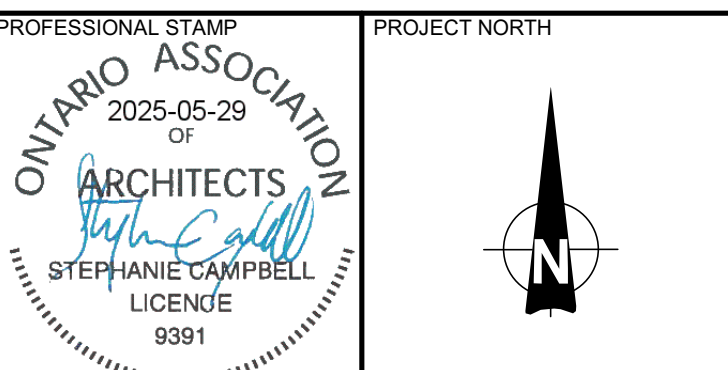
CLIENT:



CONSULTANT:



CONSULTANT:



PROJECT:

**BRIGHTON WASTEWATER  
TREATMENT SYSTEM UPGRADES**

100 COUNTY ROAD 64, BRIGHTON, ONTARIO

**ARCHITECTURAL  
ADMINISTRATION BUILDING  
ENLARGED WASHROOM PLANS  
AND ELEVATIONS**

DESIGN:	SC/KA	DRAWING #:	<b>A809</b>
DRAWN:	NP		
CHECKED:	HB/SC		
JLR #:	32296-001		





AIR HANDLING UNIT SCHEDULE

I.D.	DESCRIPTION	FAN OPERATION					HEATING COIL				COOLING COIL					ENERGY RECOVERY WINTER (HEATING)				ENERGY RECOVERY SUMMER (COOLING)				WEIGHT	SOUND	ELECTRICAL				COMMENTS
		SUPPLY					TOTAL LOAD	EAT	LAT	AIR P.D.	TOTAL CAP.	SENSIBLE COOLING	EAT DBWB	LAT DBWB	AIR P.D.	SENSIBLE EFF.	LATENT EFF.	EAT (DB)	LAT (DB)	SENSIBLE EFF.	LATENT EFF.	EAT (DB)	LAT (DB)			FLA	MOCP	VOLT	PHASE	
		AIR FLOW	T.S.P.	E.S.P.	FAN RPM	POWER																								
		L/s	Pa	Pa		KW																								
AHU 9801	ADMINISTRATION AIR HANDLING UNIT	755	670	125	3200	1.49	14	-23	21	10	15.4	9.25	22.6	12.5	110	87.5	89.7	3.3	9.8	87.4	89.4	23.9	22.6	220	42	18	25	600	3	INTEGRAL VFD, ENERGY WHEEL
MUA 9201	HEADWORKS BUILDING MAKE-UP AIR UNIT	380	164	125	996	0.373	20	-23	20.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	219	49	23	30	600	3		

ENERGY AND HEAT RECOVERY UNIT SCHEDULE

I.D.	DESCRIPTION	FAN OPERATION						RECOVERY DATA						WEIGHT	ELECTRICAL				COMMENTS		
		SUPPLY			EXHAUST			WINTER SENSIBLE EFFICIENCY	WINTER LATENT EFFICIENCY	WINTER TOTAL EFFICIENCY	SUMMER SENSIBLE EFFICIENCY	SUMMER LATENT EFFICIENCY	SUMMER TOTAL EFFICIENCY		FLA	MOCP	VOLT	PHASE			
		AIR FLOW	E.S.P.	POWER	AIR FLOW	E.S.P.	POWER														
		L/s	Pa	KW	L/s	Pa	KW													%	%
ERV	9501	UV BUILDING ENERGY RECOVERY UNIT		991	125	1.5	991	249	1.5	63	47	58	63	36	46	354	12.4	20	208	3	INTEGRAL VFD
HRV	9601	PROCESS BUILDING HEAT RECOVERY UNIT		1586	125	2.24	1586	249	2.24	59	0	39	59	0	22	453	15.6	25	208	3	

ODOUR CONTROL UNIT SCHEDULE

I.D.	DESCRIPTION	FAN OPERATION					SOUND	ELECTRICAL				COMMENTS	
		SUPPLY						FLA	LOAD	VOLT	PHASE		
		AIR FLOW	T.S.P.	E.S.P.	FAN RPM	POWER							
		L/s	Pa	Pa		kW							
OCU	9201	HEADWORKS ODOUR CONTROL UNIT	472	2490	498	3265	3.72	110	6.1	5	600	3	

EXPANSION TANK SCHEDULE

I.D.	DESCRIPTION	TANK VOLUME	ACCEPT. VOLUME	HORIZ/VERT	DIMENSIONS		OPERATING PRESSURE
					DIA.	LENGTH	
					mmØ	mm	
ET-9501	DIAPHRAGM THERMAL EXP. TANK	24.2	12.1	VERT.	305	457	380
ET-9502	DIAPHRAGM THERMAL EXP. TANK	62.8	42.8	VERT.	381	635	380
ET-9601	DIAPHRAGM THERMAL EXP. TANK	62.8	42.8	VERT.	381	635	380
ET-9801	DIAPHRAGM THERMAL EXP. TANK	62.8	42.8	VERT.	381	635	380

ELECTRIC STEAM HUMIDIFIER SCHEDULE

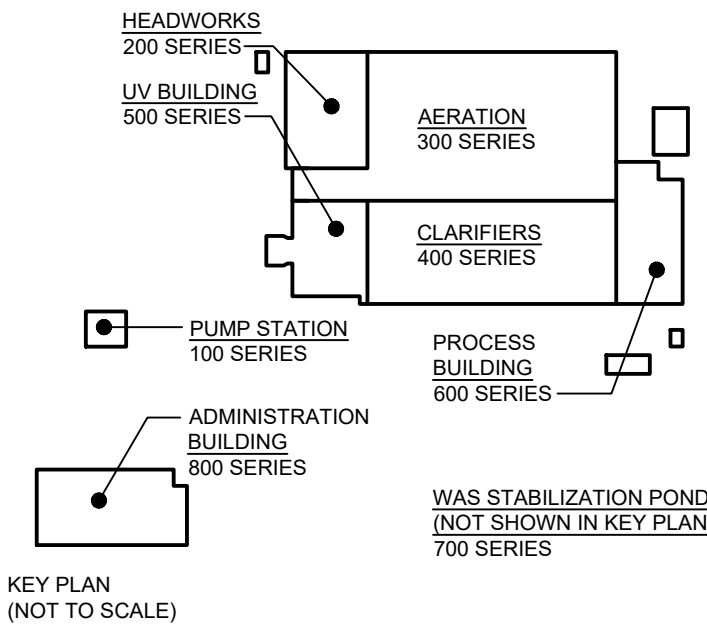
I.D.	DESCRIPTION	MANUF./MODEL	OUTPUT	DUCT SIZE	ELECTRICAL			CONTROL	COMMENTS
					KW	VOLT	PH		
			Kgh	mm x mm					
HUM-9801	ADMIN BUILDING HUMIDIFIER	CAREL JUE015XN0U1	10.4	450X300	11.25	600	3	BACNET ETHERNET CARD	

DOMESTIC WATER HEATER TANK SCHEDULE

I.D.	DESCRIPTION	LOCATION	MANUF./MODEL	RECOVERY CAPACITY		CONNECTION SIZE		ELECTRICAL					COMMENTS
				TEMP. RISE	L/m	H.W.	C.W.	ELEMENTS		POWER			
								QUANTITY	WATTAGE	KW	VOLT	PH	
				°C		mm	mm						
DHWT-9501	UV BUILDING MHW TANK	MECHANICAL ROOM 503	A.O. SMITH / 50D	55	0.5	19	19	1	2000	2	208	3	
DHWT-9502	UV BUILDING SHW TANK	MECHANICAL ROOM 503	RUUD / EVRO	55	3.91	38	38	1	15000	15	208	3	
DHWT-9601	PROCESS BUILDING DHW TANK	MECHANICAL ROOM 601	RUUD / EVRO	55	3.91	38	38	1	15000	15	208	3	
DHWT-9801	ADMIN BUILDING DHW TANK	MECHANICAL ROOM 810	RUUD / EVRO	55	3.91	38	38	1	15000	15	208	3	

UNIT HEATER & CABINET HEATER SCHEDULE

I.D.	DESCRIPTION	TYPE	OPERATING DATA		ELECTRICAL			COMMENTS
			CAPACITY	AIR FLOW	RATING	VOLTS	PH	
			KW	L/s	KW	V		
CUH 9501	ELECTRIC CABINET UNIT HEATER	CABINET	4	118	4	208	1	WALL MOUNT T-STAT
CUH 9601	ELECTRIC CABINET UNIT HEATER	CABINET	2	118	2	208	1	WALL MOUNT T-STAT
CUH 9602	ELECTRIC CABINET UNIT HEATER	CABINET	2	118	2	208	1	WALL MOUNT T-STAT
CUH 9801	ELECTRIC CABINET UNIT HEATER	CABINET	2	118	2	208	1	WALL MOUNT T-STAT
EBB 9801	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.3	NA	0.3	120	1	
EBB 9802	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.3	NA	0.3	120	1	
EBB 9803	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.3	NA	0.3	120	1	
EBB 9804	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	1	NA	1	120	1	
EBB 9805	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	1.5	NA	0.75	120	1	
EBB 9806	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.75	NA	0.75	120	1	
EBB 9807	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.75	NA	0.75	120	1	
EBB 9808	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.75	NA	0.75	120	1	
EBB 9809	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	1.25	NA	1.25	120	1	
EBB 9810	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	1.5	NA	1.5	120	1	
EBB 9811	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.3	NA	0.3	120	1	
EBB 9812	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.75	NA	0.75	120	1	
EBB 9813	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	1	NA	1	120	1	
EBB 9814	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.75	NA	0.75	120	1	
EBB 9815	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.5	NA	0.5	120	1	
EBB 9816	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.75	NA	0.75	120	1	
EBB 9817	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.5	NA	0.5	120	1	
EBB 9818	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	1.25	NA	1.25	120	1	
EBB 9819	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	1	NA	1	120	1	
EBB 9820	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.3	NA	0.3	120	1	
EBB 9821	ELECTRIC BASEBOARD HEATER	WALL-MOUNTED	0.5	NA	0.5	120	1	
EUH 9201	ELECTRIC UNIT HEATER	WALL-MOUNTED	3	240.7	3	600	3	WALLMOUNT T-STAT
EUH 9202	ELECTRIC UNIT HEATER	WALL-MOUNTED	3	240.7	3	600	3	WALLMOUNT T-STAT
EUH 9203	ELECTRIC UNIT HEATER	WALL-MOUNTED	10	330.4	10	600	3	WALLMOUNT T-STAT
EUH 9204	ELECTRIC UNIT HEATER	WALL-MOUNTED	4	240.7	4	600	3	WALLMOUNT T-STAT
EUH 9205	ELECTRIC UNIT HEATER	WALL-MOUNTED	10	330.4	10	600	3	WALLMOUNT T-STAT
EUH 9301	ELECTRIC UNIT HEATER	WALL-MOUNTED	4	240.7	4	600	3	WALLMOUNT T-STAT
EUH 9302	ELECTRIC UNIT HEATER	WALL-MOUNTED	4	240.7	4	600	3	WALLMOUNT T-STAT
EUH 9303	ELECTRIC UNIT HEATER	WALL-MOUNTED	4	240.7	4	600	3	WALLMOUNT T-STAT
EUH 9501	ELECTRIC UNIT HEATER	WALL-MOUNTED	2	240.7	2	600	3	WALLMOUNT T-STAT
EUH 9502	ELECTRIC UNIT HEATER	WALL-MOUNTED	10	330.4	10	600	3	WALLMOUNT T-STAT
EUH 9503	ELECTRIC UNIT HEATER	WALL-MOUNTED	10	330.4	10	600	3	WALLMOUNT T-STAT
EUH 9504	ELECTRIC UNIT HEATER	WALL-MOUNTED	5	330.4	5	600	3	WALLMOUNT T-STAT
EUH 9601	ELECTRIC UNIT HEATER	WALL-MOUNTED	7.5	330.4	7.5	600	3	WALLMOUNT T-STAT
EUH 9602	ELECTRIC UNIT HEATER	WALL-MOUNTED	7.5	330.4	7.5	600	3	WALLMOUNT T-STAT
EUH 9603	ELECTRIC UNIT HEATER	WALL-MOUNTED	10	330.4	10	600	3	WALLMOUNT T-STAT
EUH 9604	ELECTRIC UNIT HEATER	WALL-MOUNTED	4	240.7	4	600	3	WALLMOUNT T-STAT
EUH 9605	ELECTRIC UNIT HEATER	WALL-MOUNTED	4	240.7	4	600	3	WALLMOUNT T-STAT
EUH 9606	ELECTRIC UNIT HEATER	WALL-MOUNTED	10	330.4	10	600	3	WALLMOUNT T-STAT
EUH 9607	ELECTRIC UNIT HEATER	WALL-MOUNTED	10	330.4	10	600	3	WALLMOUNT T-STAT
EUH 9608	ELECTRIC UNIT HEATER	WALL-MOUNTED	10	330.4	10	600	3	WALLMOUNT T-STAT
EUH 9609	ELECTRIC UNIT HEATER	WALL-MOUNTED	10	330.4	10	600	3	WALLMOUNT T-STAT
EUH 9801	ELECTRIC UNIT HEATER	WALL-MOUNTED	2	240.7	2	600	3	WALLMOUNT T-STAT



DESIGN DOCUMENTS HEREIN HAVE BEEN DESIGNED UNDER THE ONTARIO BUILDING CODE 2012.

1	ISSUED FOR ADDENDUM NO. 4	02/06/25
0	ISSUED FOR TENDER	25/04/25
No.	ISSUE / REVISION	DDMMYY

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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25MM IF THIS IS A FULL SIZE DRAWING.

SCALE: NTS

CLIENT:

**BRIGHTON**  
MUNICIPALITY

CONSULTANT: www.jrichards.ca

**J.L. Richards**  
ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROFESSIONAL STAMP PROJECT NORTH

PROJECT:

**BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES**

100 COUNTY ROAD 64, BRIGHTON ONTARIO

DRAWING:

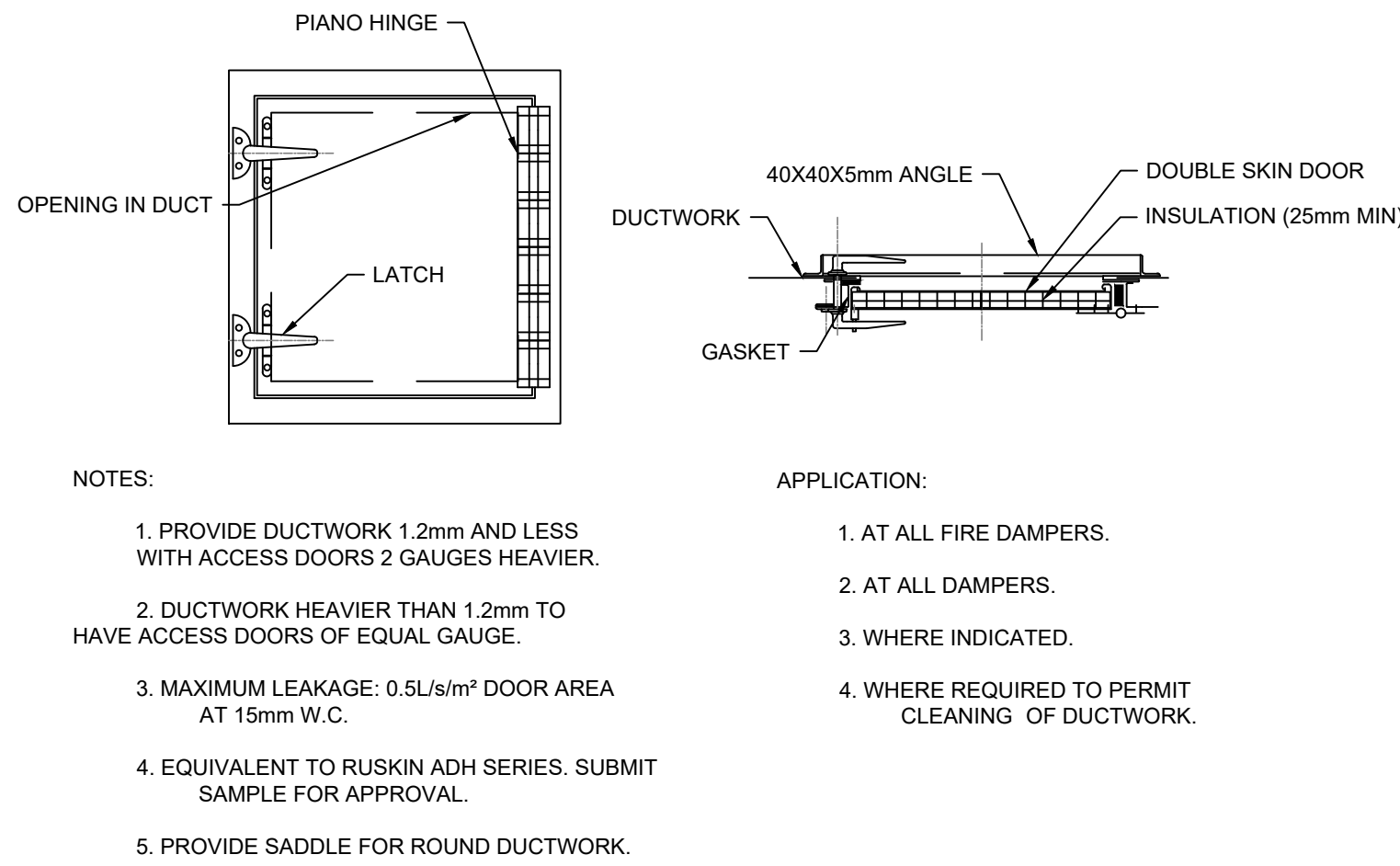
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DESIGN: CI  
DRAWN: CI  
CHECKED: PE  
JLR #:

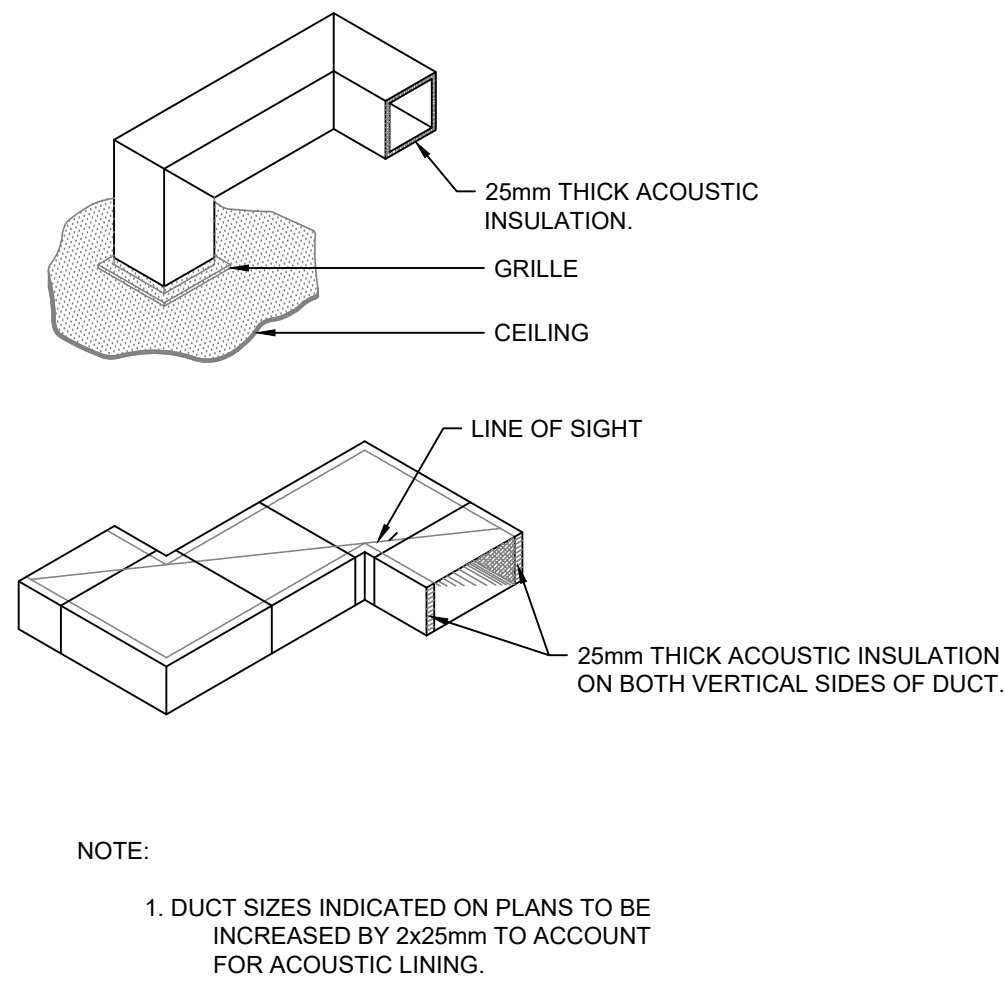
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**MID001**

32296-001

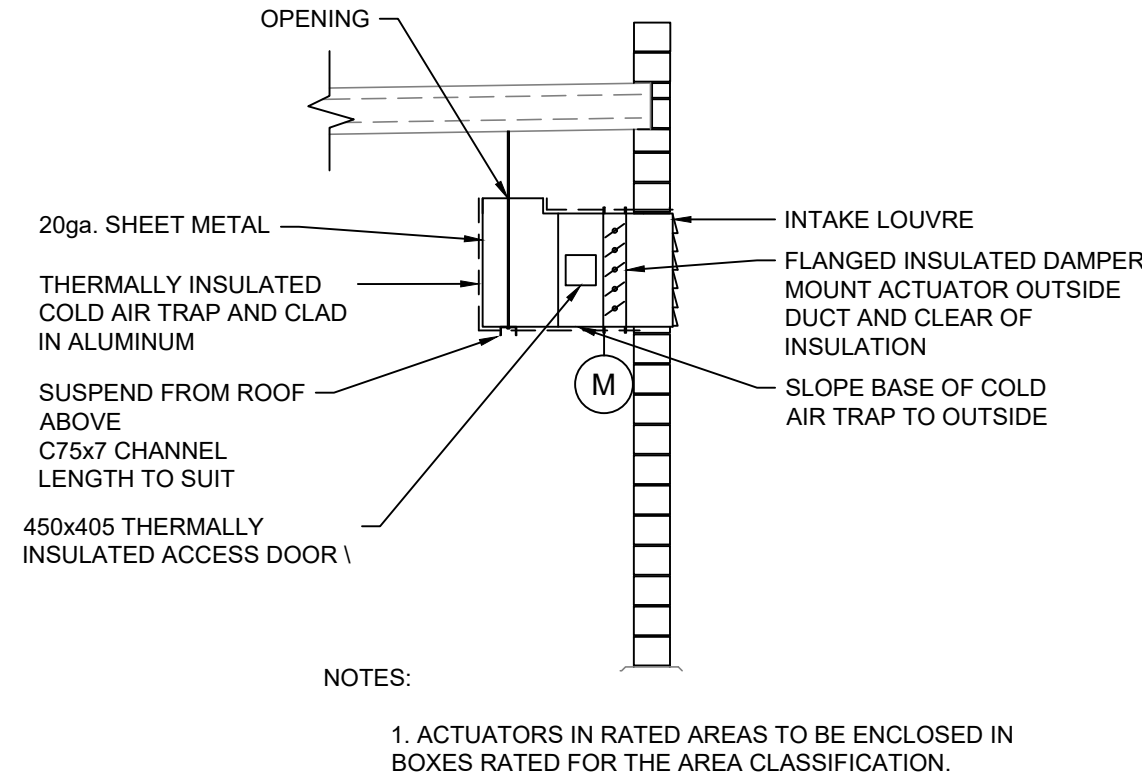
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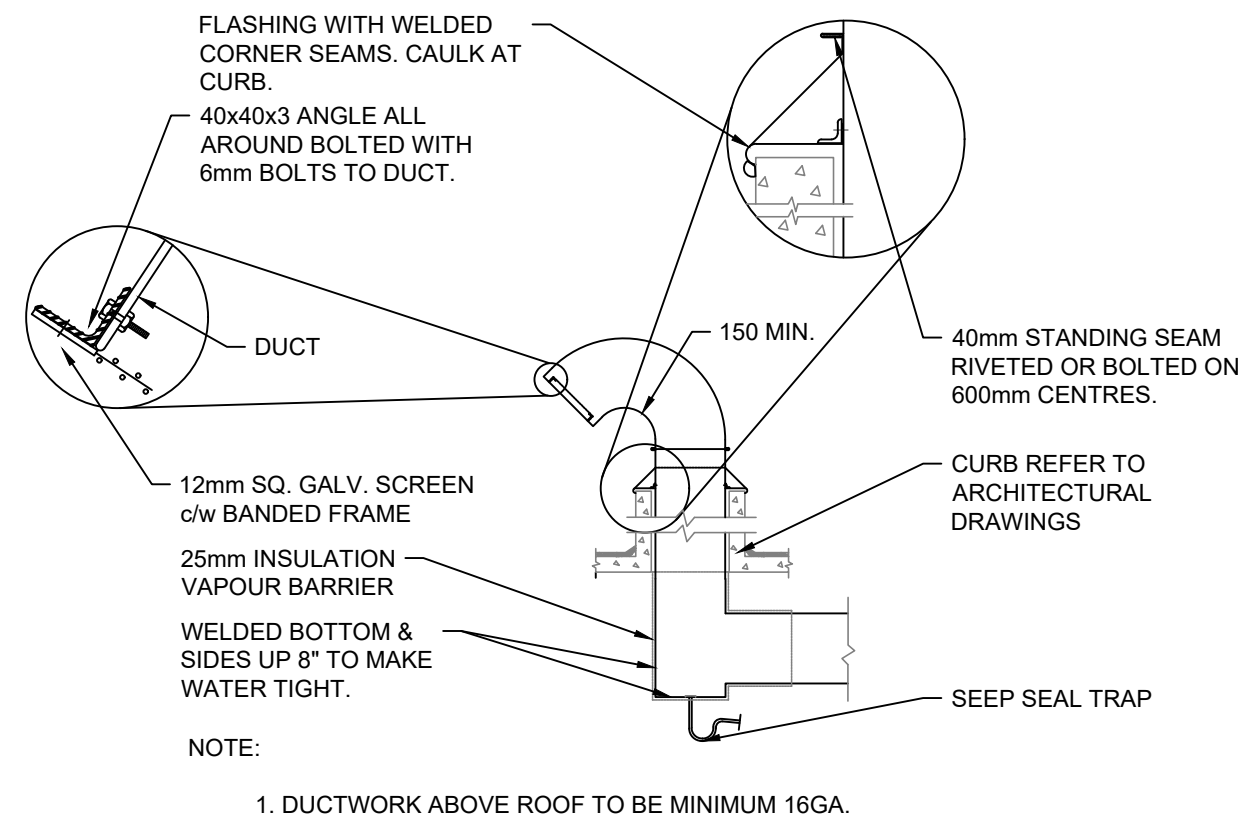
1 ACCESS DOOR  
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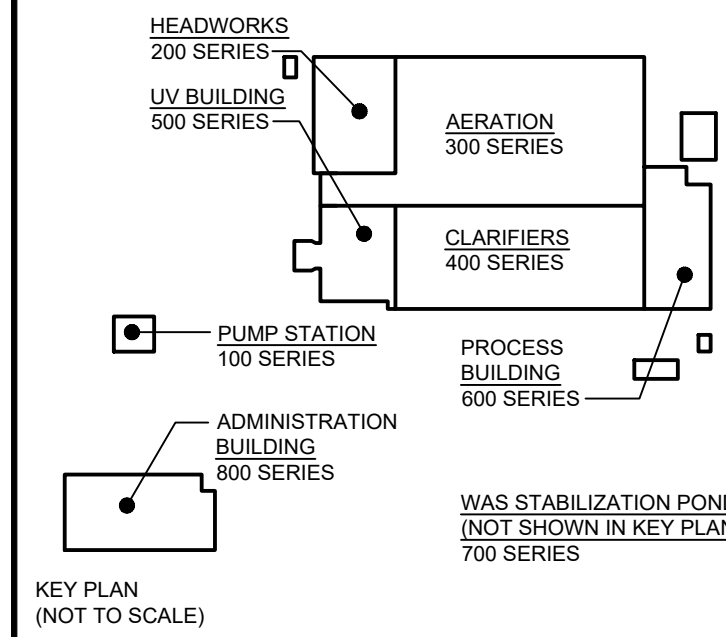
2 ACOUSTIC TRANSFER DUCT  
PM005 SCALE: N.T.S.



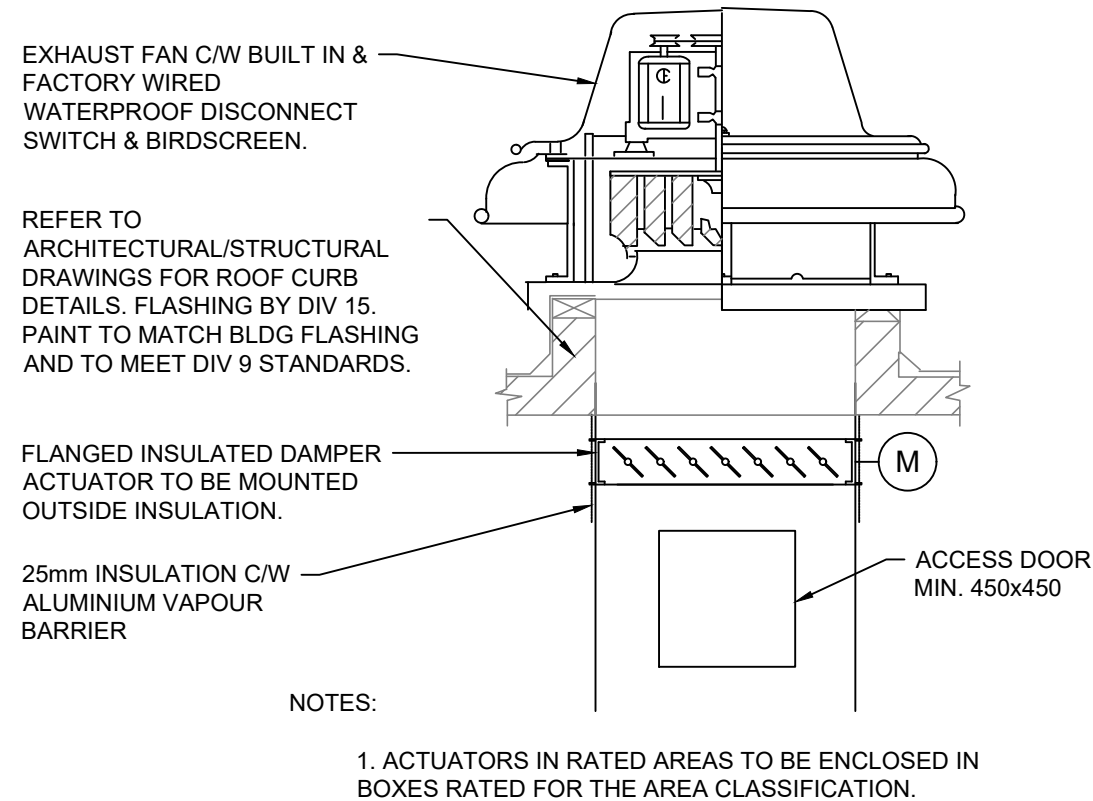
3 OUTDOOR AIR INTAKE DETAIL  
PM005 SCALE: N.T.S.



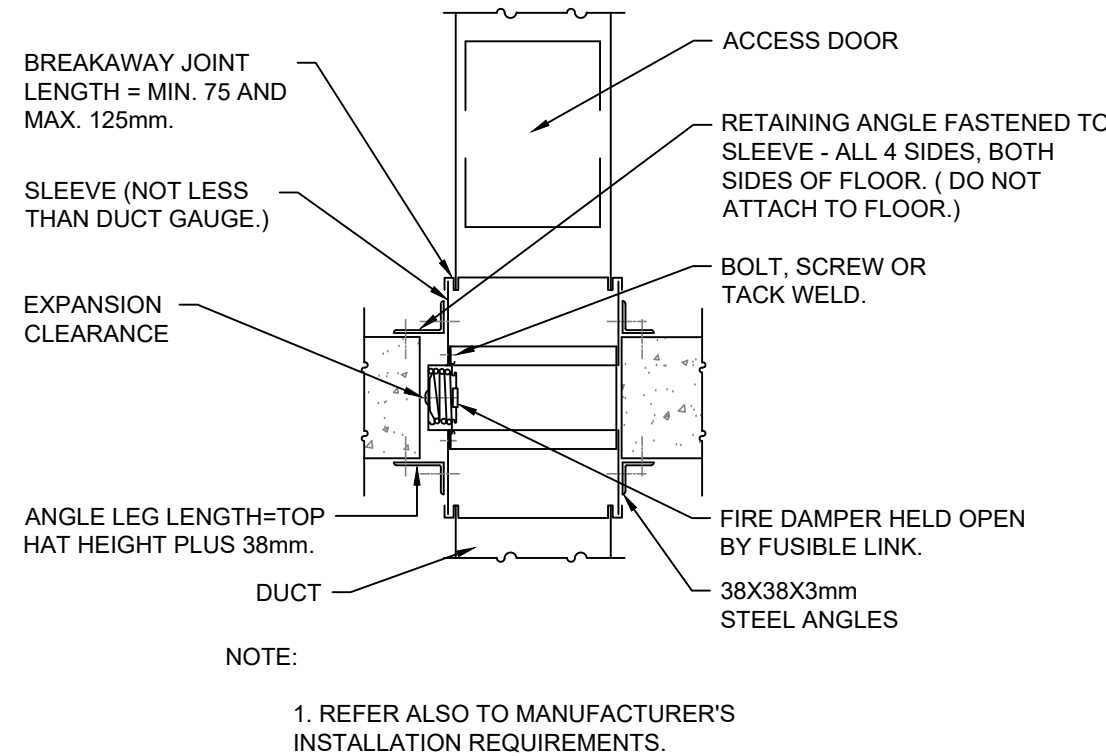
4 GOOSE NECK  
PM005 SCALE: N.T.S.



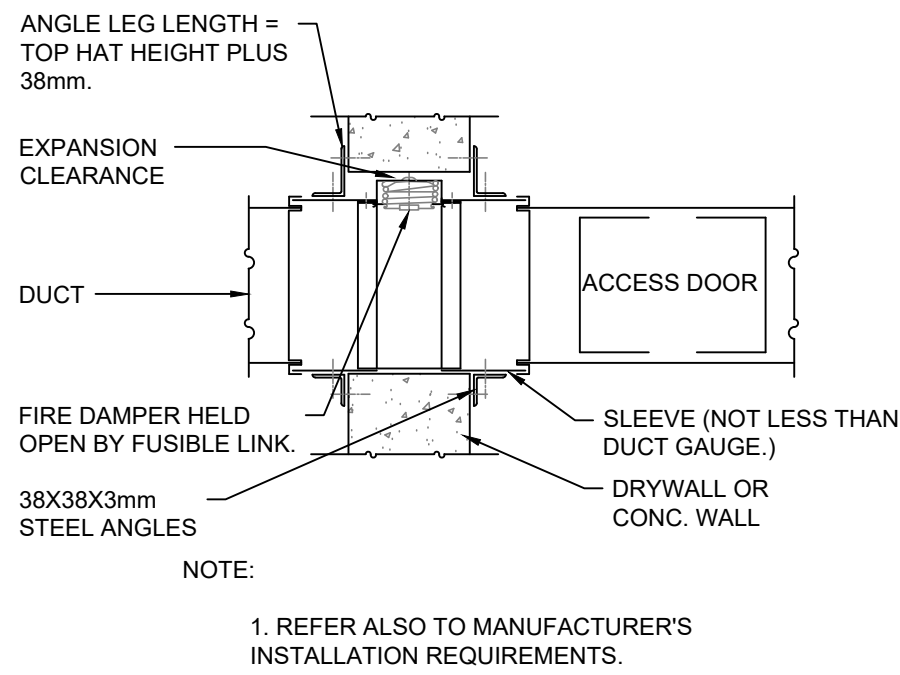
DESIGN DOCUMENTS HEREIN HAVE BEEN DESIGNED UNDER THE ONTARIO BUILDING CODE 2012.



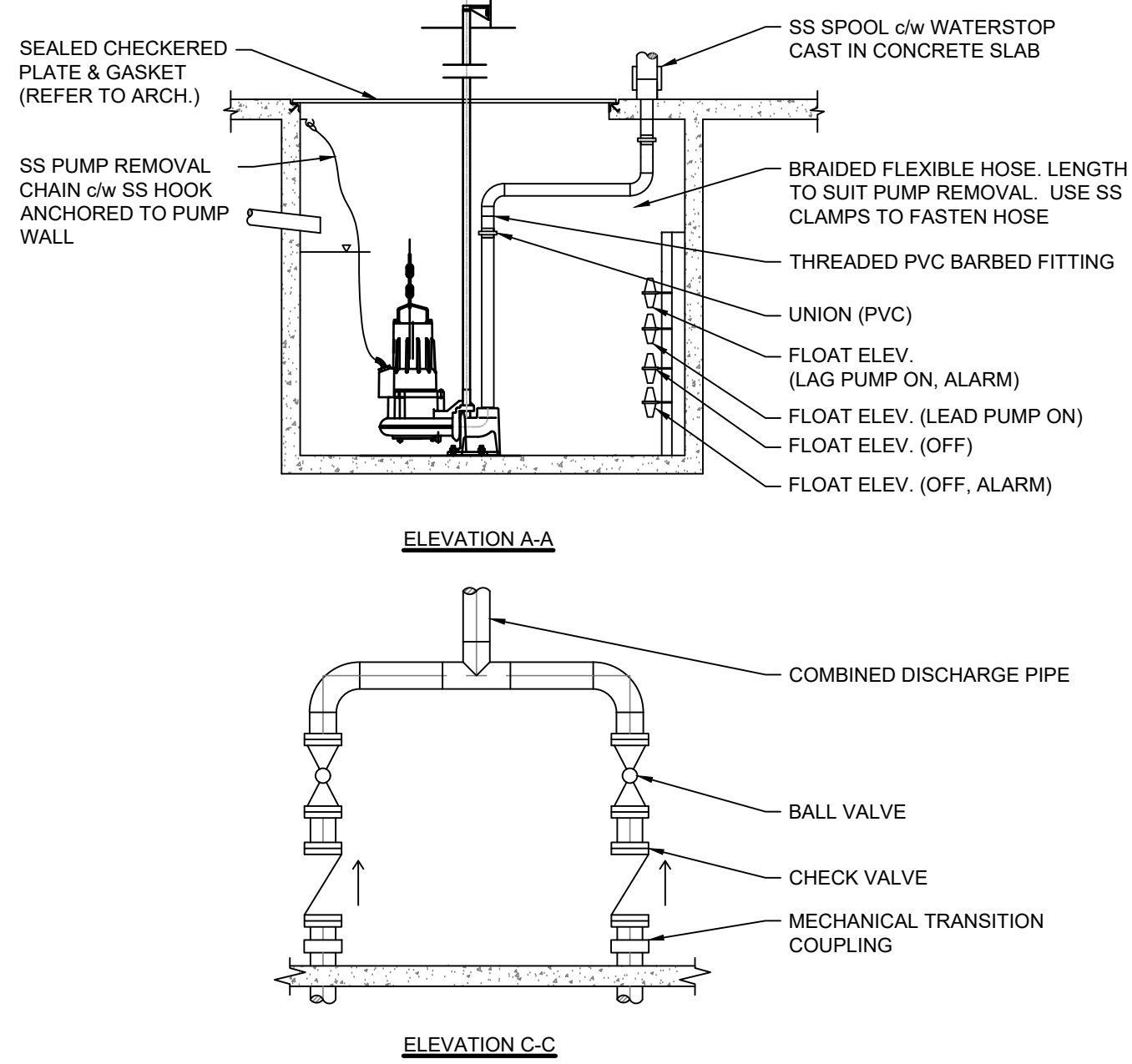
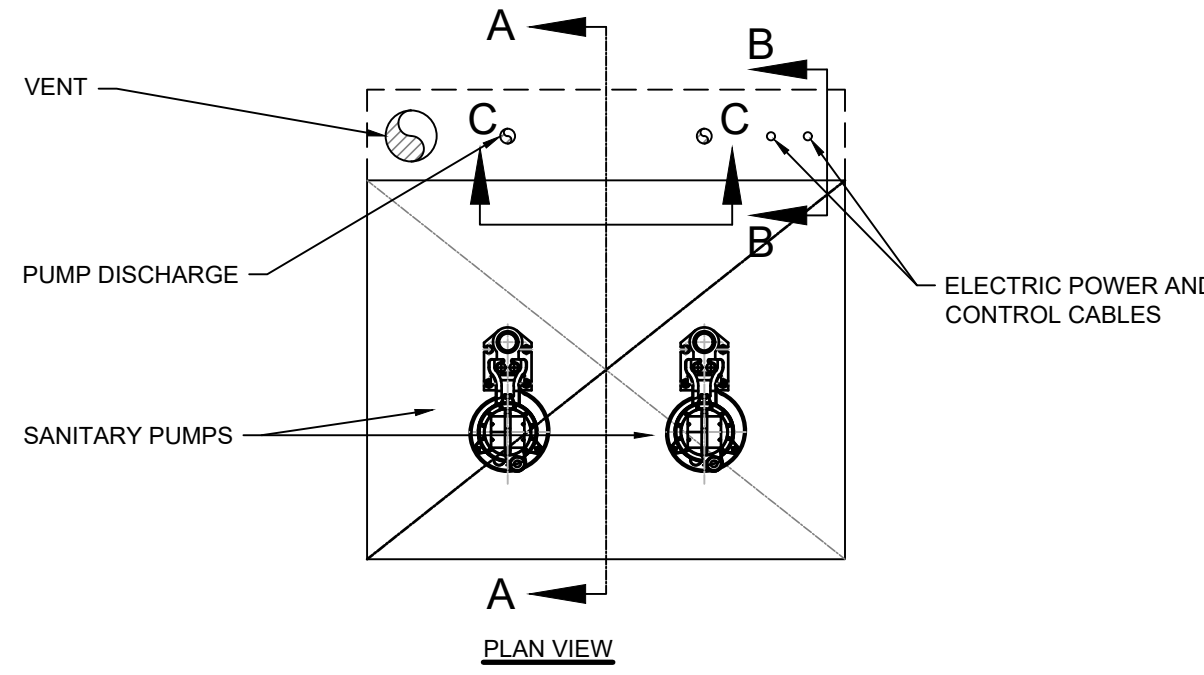
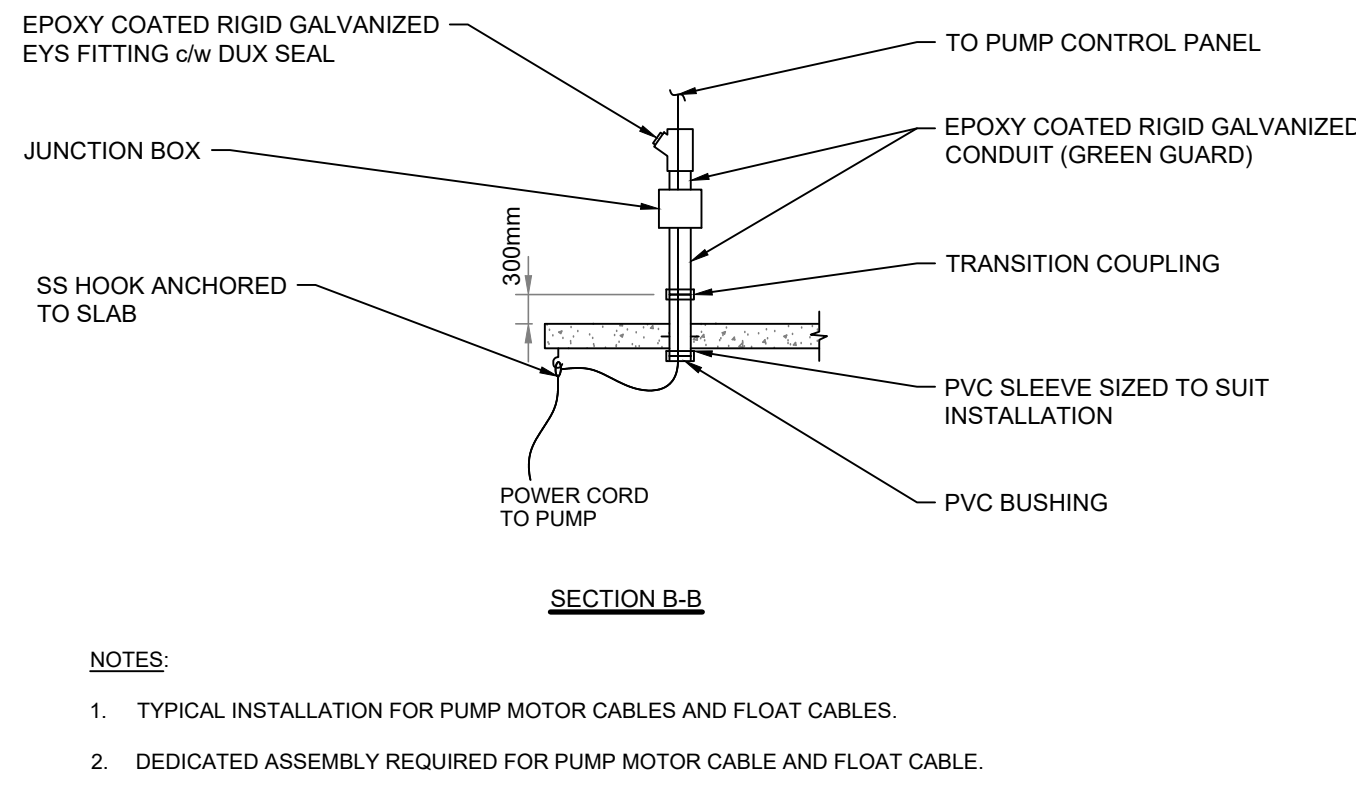
5 TYPICAL ROOF MOUNTED EXHAUST FAN  
PM005 SCALE: N.T.S.



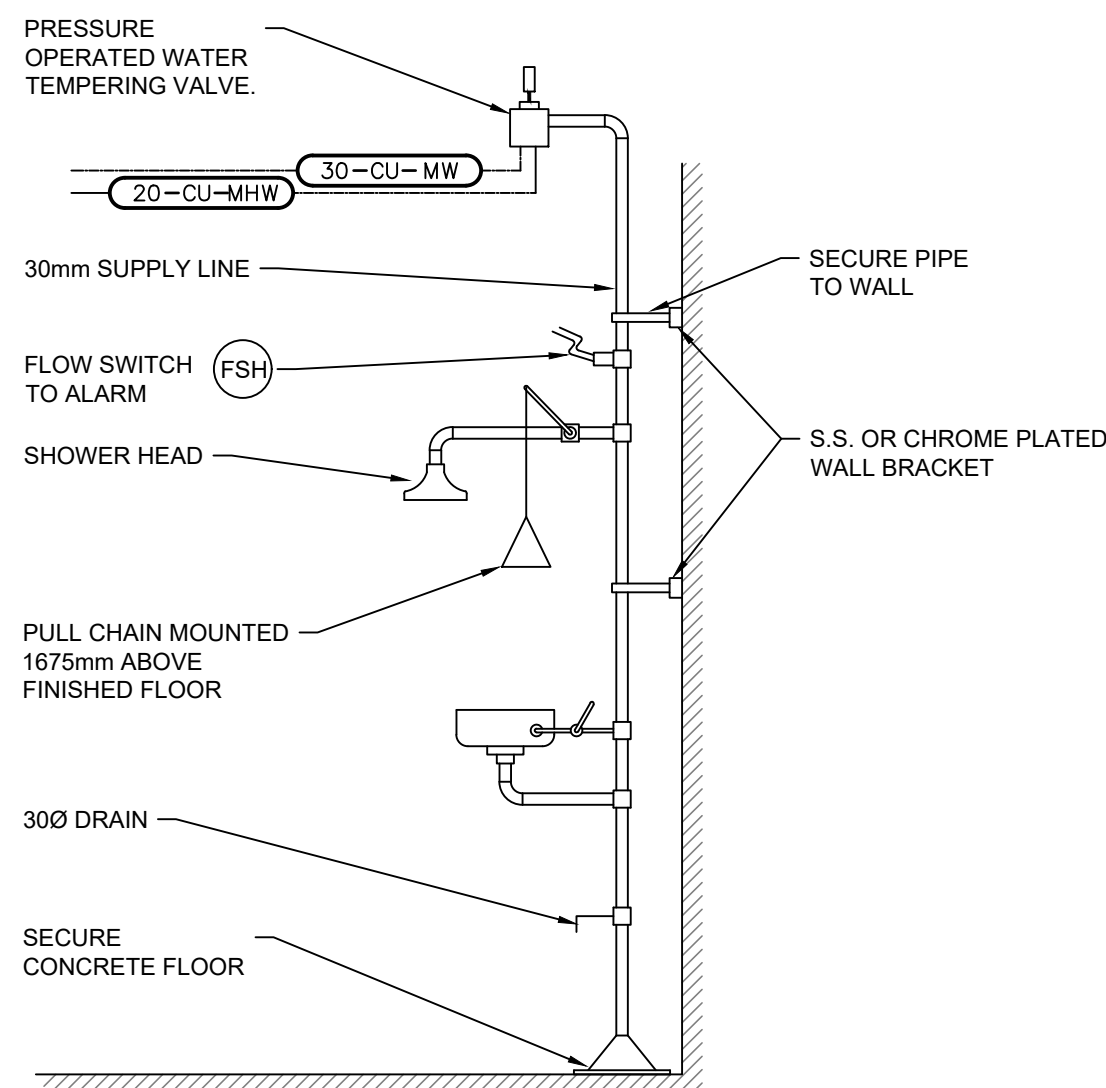
6 FIRE DAMPER VERTICAL TYPE  
PM005 SCALE: N.T.S.



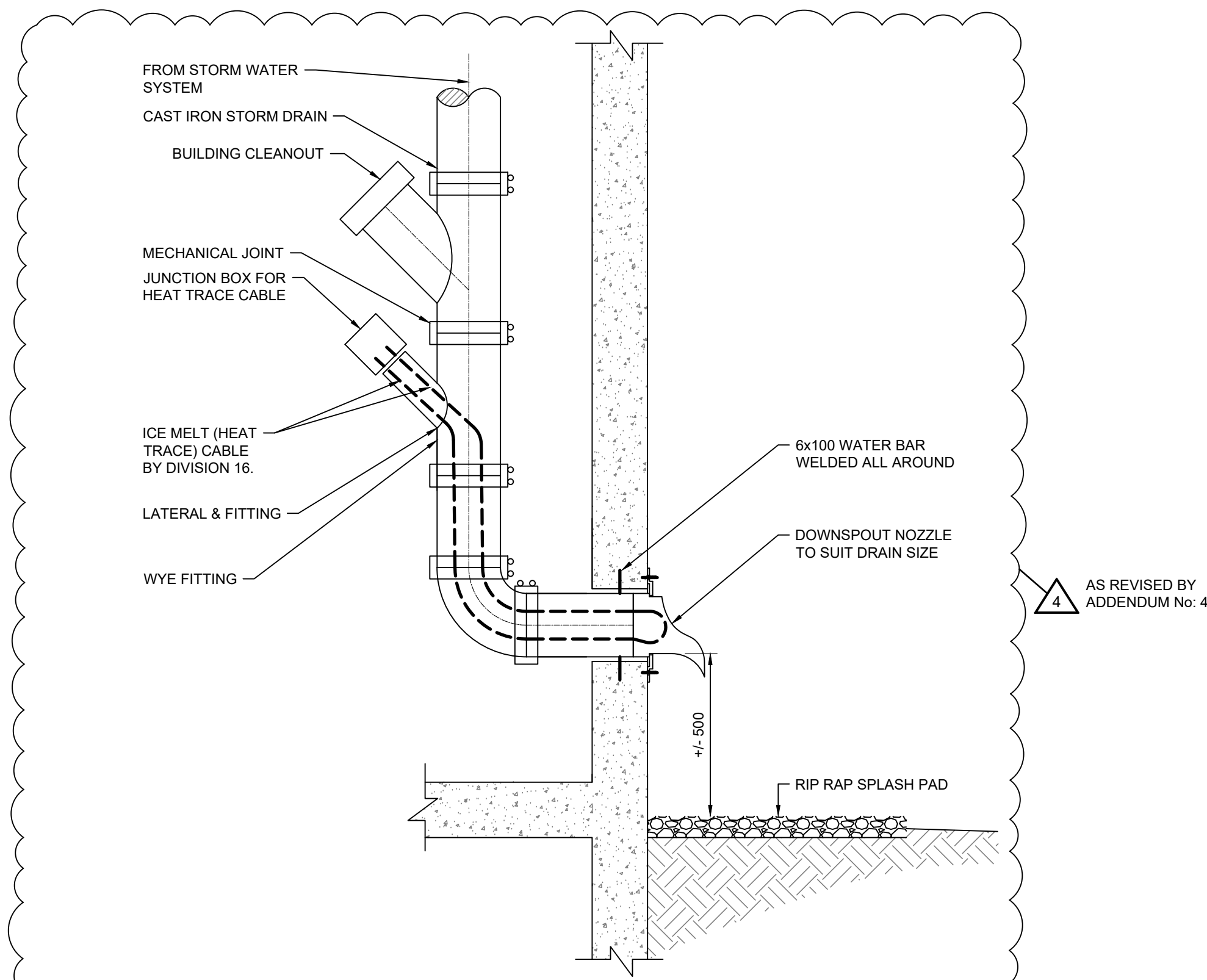
7 FIRE DAMPER HORIZONTAL TYPE  
PM005 SCALE: N.T.S.



11 SANITARY DUPLEX SUMP PUMP DETAIL  
PM005 SCALE: N.T.S.



8 EMERGENCY EYE WASH & SHOWER  
PM005 SCALE: N.T.S.



10 STORM WATER HEAT TRACE DRAIN DETAIL  
PM005 SCALE: N.T.S.

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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25MM IF THIS IS A FULL SIZE DRAWING. 0 25mm  
SCALE: NTS

CLIENT:  
**BRIGHTON**  
CONSULTANT:  
**J.L. Richards**  
ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:  
**J.L. Richards**  
ENGINEERS - ARCHITECTS - PLANNERS

PROJECT:  
**BRIGHTON WASTEWATER TREATMENT SYSTEM UPGRADES**  
100 COUNTY ROAD 64, BRIGHTON ONTARIO  
DRAWING:  
**PROCESS AND INSTRUMENTATION SITE WIDE**  
**PROCESS AND MECHANICAL STANDARD DETAILS**

DESIGN: KP/CW  
DRAWN: JV/EH  
CHECKED: TP  
JLR #: 32296-001  
DRAWING #:  
**PM005**

PLOT DATE: Friday, May 30, 2025 1:17:26 PM

Brighton Wastewater Treatment System Upgrades

JLR No. 32296-001; Municipality No. PW 2025-08

Bidders Meeting

May 26, 2025

Sign-in Sheet

Please Print Clearly

Company	Name	Position	Email	Telephone
Kingdom Construction Limited	Marco Misiti	Estimating	mattmaclead@kingdomconstruction.ca	226-338-1855
Actemium (Summa Engineering)	Vikram Parmar	Client Manager	vikram.parmar@actemium.com	416-577-1077
Bird Construction	Kevin Colomb	Manager	kevin.colomb@bird.ca	905-622-4738
Thousand Island Mechanical	Dave Rorabeck	Manager	drorabeck@timechanical.et	613-921-3842
North America Construction	Kevin Couto	Estimator	kcouto@nacsworld.com	519-821-8000
Talvan Construction	Eli Joseph	Estimator	ejoseph@talvanconstruction.ca	905-999-8563
Floval Equipment	Mike Nissenthall	Sales	mnissenthall@floval.com	647-518-3609

Company	Name	Position	Email	Telephone
Rowley Electric	Ian Forbes	Owner	rowleyelectric@outlook.com	905-396-6121
Clearway Group	Fahid Sharif	Core Associate	fahidsharif@clearwaygroup.com	647-914-5353
Sulpher Construction	Francis Sulpher	Estimator	estimating@sulpherconstruction.com	613-384-5550
Strong Bros General Contracting	Eric Linton	Project Manager	elinton@strongbros.ca	613-462-7129
Al White Excavating (civil sub)	Ben Taylor	Estimator	ben@alwhiteexcavating.com	613-885-4109
Maple Reinders	Tatiana Rodriguez	Estimator	tatianar@maple.ca	289-451-1970
Cobourg Development Services Ltd	Zach Farrell	Estimator	zach@cds-ltd.ca	905-269-1200
Foley Tree Service	Dylan Foley	Owner	dylan@foleytreeservice.ca	613-847-3191
Greystone Tree Service	Ethan Erwin	Owner	ethan@greystonetreeservice.ca	613-920-5714

Company	Name	Position	Email	Telephone
ASCO Construction	Suresh	Estimator	smurukan@ascoconstruction.com	226-978-9492
Keller Foundation	Andrew Austin	General Super	aaustin@keller-NA.com	647-228-0302
Lakeland Multi-Trade	Steven Knapp & Jason Bissonnette	Engineering/Electrical	sknapp@lakeland-multitrade.com	905-377-5241
BGL Contractors Corp	Gord Robb	GM	estimating@bglcc.ca	519-725-5000
Rose Mechanical	Brandon Brooks	Foreman	brandon@rosemech.com	819-598-5496
SPD Sales	Daryl Stevenson	Business Development Manager	daryl.stevenson@spdsales.com	416-577-3138
Behan Construction	Tom Behan	President	tom@behan	905-372-9862
Henderson Construction	Chris Bryan	Estimator	c.bryan@hendersongroup.ca	905-885-1939
Dalcon Construction LTD	Walter Bedenikovich	Sr Operations PM	walterb@propipeconstruction.com	705-465-2371