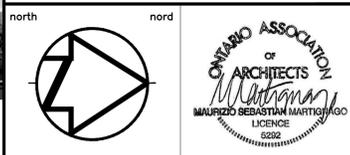


Canada Centre for Inland Waters Ultra-trace Laboratory Renovation

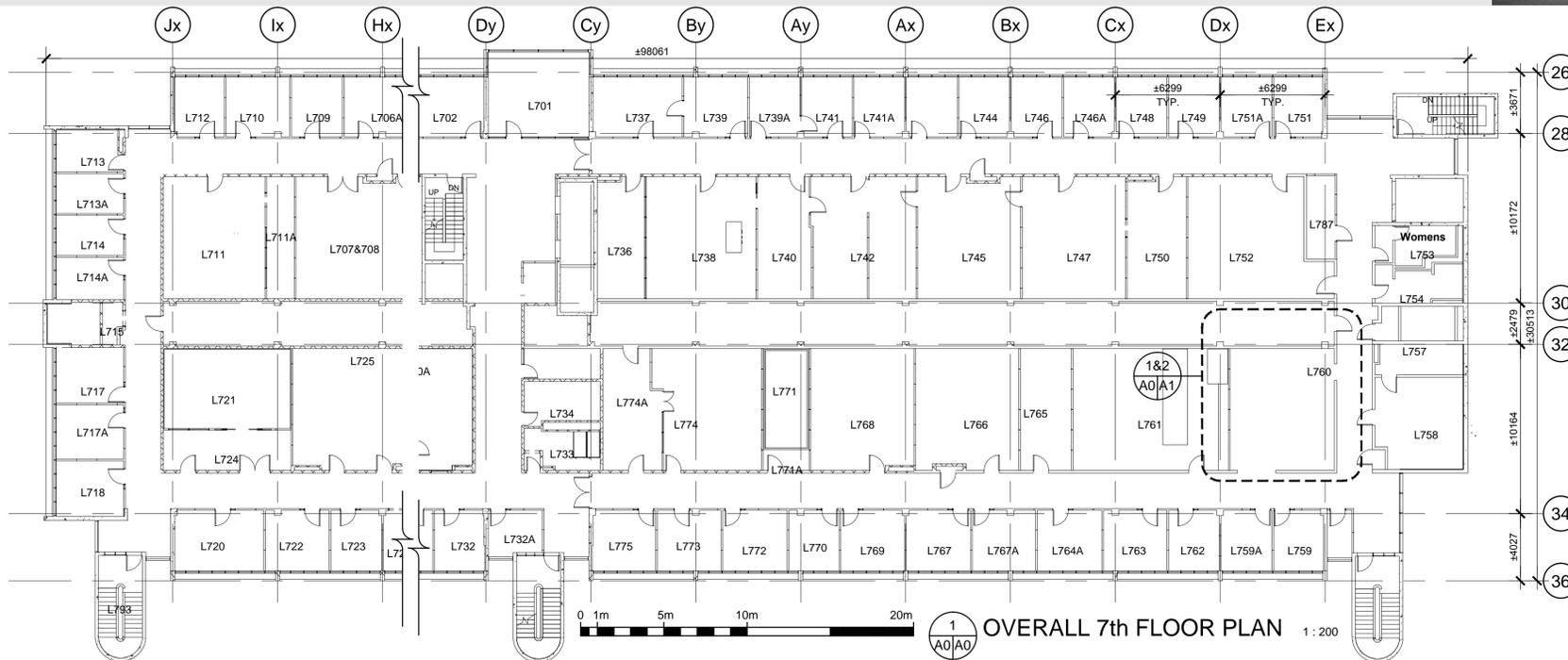
867 Lakeshore Road BURLINGTON, ON



Public Works and
Government Services Canada
Architectural and Engineering Services
Ontario Region
Travaux publics et
Services gouvernementaux Canada
Services d'architecture et de génie
Région de l'Ontario



383 Parkdale Ave., Suite 201
Ottawa Ontario Canada K1V 4R4
KWC ARCHITECTS INC.
PHONE (613) 238-2117
FAX (613) 238-6595
E MAIL kwc@kwc-arch.com



1 OVERALL 7th FLOOR PLAN 1:200

| Item/Article | BUILDING CODE DATA MATRIX / | NBC 2010 | OBC 2012 |
|--------------|--|--|--|
| 1 | Project Description & civic address: CANADA CENTRE FOR INLAND WATERS - LAB RENOVATION 867 LAKESHORE ROAD, BURLINGTON, ON, L7R 4A6 <input type="checkbox"/> New <input type="checkbox"/> Addition <input checked="" type="checkbox"/> Alteration <input type="checkbox"/> Change in Use | <input type="checkbox"/> Part 3 OBC A 1.1.2 | <input type="checkbox"/> Part 3 OBC A 1.1.2 |
| 2 | Major Occupancies: EXISTING | B 3.1.2.1.(1) | B 3.1.2.1.(1) |
| 3 | Building Area (m ²) Existing: EXISTING New: EXISTING Total: EXISTING / UNCHANGED | A 1.4.1.2 | A 1.4.1.2 |
| 4 | Gross Area (m ²) Existing: EXISTING New: EXISTING Total: EXISTING / UNCHANGED | | |
| 5 | Number of Storeys: EXISTING Above Grade: EXISTING Below Grade: EXISTING | A 1.4.1.2 B 3.2.1.1 | A 1.3.3.3 B 3.2.1.1 |
| 6 | Height of Building(m): EXISTING / UNCHANGED | | |
| 7 | Number of Streets, Access Routes: EXISTING - UNCHANGED | B 3.2.2.10 B 3.2.5.5 | B 3.2.2.10 B 3.2.5.5 |
| 8 | Building Classification: EXISTING - UNCHANGED, REFER TO FLOOR PLAN | B 3.2.2.20-88 | B 9.10.2 |
| 9 | Existing Building: <input type="checkbox"/> sprinklered <input checked="" type="checkbox"/> not sprinklered | | |
| 10 | Sprinkler System Proposed/ Réseau d'extincteurs proposé <input type="checkbox"/> entire building <input type="checkbox"/> basement only <input type="checkbox"/> in lieu of roof rating <input type="checkbox"/> phased/installation <input type="checkbox"/> non required | B 3.2.2.20-88 B 3.2.1.5 B 3.2.2.18 | B 3.2.2.20-88 B 3.2.1.5 B 3.2.2.18 |
| 11 | Standpipe required: <input type="checkbox"/> Yes/Oui <input type="checkbox"/> No/Non EXISTING - UNCHANGED | B 3.2.5.8 | B 3.2.9 |
| 12 | Fire Alarm required: <input type="checkbox"/> Yes/Oui <input type="checkbox"/> No/Non EXISTING - UNCHANGED | B 3.2.4 | B 3.2.4 |
| 13 | Water Service, Adequate Supply/ EXISTING - UNCHANGED | B 3.2.5.7 | B 3.2.5.7 |
| 14 | High Building <input type="checkbox"/> Yes/Oui <input type="checkbox"/> No/Non | B 3.2.6 | B 3.2.6 |
| 15 | Authorized construction autorisé <input type="checkbox"/> Combustible <input checked="" type="checkbox"/> Non-combustible <input type="checkbox"/> Both | B 3.2.2.20-88 | B 3.2.2.20-88 |
| 16 | Mezzanine(s) (m ²) EXISTING - UNCHANGED | B 3.2.1.1 | B 3.2.1.1 |
| 17 | Total Occupant Load Based on <input type="checkbox"/> m ² per person <input checked="" type="checkbox"/> design of building EXISTING - UNCHANGED | B 3.1.17 | B 3.1.17 |
| 18 | Barrier-free Design <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No OWNER REQUEST | B 3.8 | B 3.8 |
| 19 | Hazardous Substances <input type="checkbox"/> Yes <input type="checkbox"/> No EXISTING - UNCHANGED | B 3.3.1.2 B 3.3.1.20 | B 3.3.1.2 B 3.3.1.20 |
| 20 | Required Horizontal Assemblies FRR/ (Hours) Fire Resistance Rating (FRR/) Resistance Rating (FRR/) | EXISTING - UNCHANGED EXISTING - UNCHANGED EXISTING - UNCHANGED | EXISTING - UNCHANGED EXISTING - UNCHANGED EXISTING - UNCHANGED |
| 21 | Spatial Separation - Construction of Exterior Walls EXISTING - UNCHANGED | B 3.2.3 | B 3.2.3 |

ABBREVIATIONS
APPLICABLE TO ALL ARCHITECTURAL DRAWINGS:

- ACT ACOUSTIC CEILING TILE
- CMU CONCRETE MASONRY UNIT
- CONC CONCRETE
- C/W COMPLETE WITH
- DMNT DEMOUNTABLE
- DWG DRAWING
- (E) EXISTING
- FFL FINISHED FLOOR LEVEL
- GB GYPSUM BOARD
- HM HOLLOW METAL
- NTS NOT TO SCALE
- O.C. ON CENTER
- PT PAINT
- REV REVERSE
- SIM SIMILAR
- U/S UNDERSIDE
- TYP TYPICAL
- CSC CLEANROOM CEILING SYSTEM
- PS PRESSED STEEL
- PT-1 EPOXY PAINT
- GWG GEORGIAN WIRED GLASS
- BLK BLOCK
- CS CLIP SINK
- EW EYE WASH
- MAE MOBILE ARM EXHAUST
- ES EMERGENCY SHOWER
- FH-# FUME HOOD - NUMBER
- S/S STAINLESS STEEL

LEGEND
APPLICABLE TO ALL ARCHITECTURAL DRAWINGS:

- xx DRAWING NOTE
- X X X X DETAIL REFERENCE
- X X X X DETAIL NUMBER
- X X X X ELEVATION & SECTION DETAIL REFERENCE
- X X X X DRAWING NO. - WHERE DETAILED
- X X X X DRAWING NO. - WHERE DETAIL REQUIRED
- DOOR TAG
- W-X WALL TYPE
- 00.00 ELEVATION HEIGHT
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE REMOVED
- NEW WALL

CONSTRUCTION ASSEMBLIES

- WALLS:**
- W-1 NEW WALL
- 13mm GYPSUM BOARD, EPOXY PAINT.
- 92mm METAL STUD FRAMING @ 400mm O.C.
- 13mm GYPSUM BOARD, EPOXY PAINT.
NOTES:
1) EXTEND GYPSUM BOARD MINIMUM 150mm ABOVE FINISHED CEILING LEVEL. EXTEND STUDS TO SLAB ABOVE AND PROVIDE DEFLECTION TOP TRACK.
 - W-1a NEW WALL
- SAME AS W-1 ABOVE. EXCEPT GYPSUM BOARD TO BE CLAD ON ALL SIDES WITH 0.63MM THICK NO4 STAINLESS STEEL FROM FINISH FLOOR UP TO A MINIMUM OF 150mm ABOVE FINISHED CEILING LEVEL. SECURE CLADDING WITH CONCEALED STAINLESS STEEL FASTENERS. JOINTS TO BE 'S' LOCKED.
 - W-2 NEW WALL - CORRIDOR INFILL
- NEW 140mm CONCRETE MASONRY UNIT.
PROVIDE NEW EPOXY PAINT ON AIR LOCK SIDE.
AND NEW PAINT SIMILAR IN COLOUR AND SHEEN TO EXISTING PAINT ON CORRIDOR SIDE.
 - W-3 EXISTING WALL SYSTEM
- EXISTING PRE-FINISHED GYPSUM BOARD AND METAL STUD WALL PANEL SYSTEM FROM TOP OF SLAB TO 2700MM. PROVIDE NEW 16mm FIRECODE GYPSUM BOARD OVER ENTIRE EXISTING WALL AND SECURE IN PLACE ON LAB 760A SIDE. PROVIDE EPOXY PAINT FINISH.
ABOVE EXISTING WALL PROVIDE A NEW WALL ULC DES W453 1 HOUR FIRE RATED WALL CONSISTING OF 16MM FIRECODE GYPSUM BOARD ON EACH SIDE OF NEW 90MM METAL STUD FRAMING AT 600MM O.C. TAPE AND MUD ALL JOINTS TO ACHIEVE FIRE RATING.
 - W-4 EXISTING WALL - CMU
- EXISTING 140mm CONCRETE MASONRY UNIT FROM SLAB TO U/S SLAB ABOVE.
- NEW EPOXY PAINT ON LAB SIDE.
 - W-4a EXISTING WALL - CMU
- EXISTING 140mm CONCRETE MASONRY UNIT.
- NEW EPOXY PAINT ON LAB SIDE.
- TOP TWO FULL COURSES AND ONE HALF COURSE OF EXISTING BLOCK TO BE DEMOLISHED AND REPLACED WITH NEW 140mm CONCRETE BLOCK. EXTEND UP TO EXISTING DROPPED BEAM.

DRAWING LIST

- ARCHITECTURAL
- A0 COVER SHEET
- A1 LAB FLOOR PLANS
- REFLECTED CEILING PLAN,
- DOOR SCHEDULE & DETAILS
- ROOM FINISH SCHEDULE
- A2 INTERIOR ELEVATIONS
- A2a INTERIOR ELEVATIONS
- A3 DETAILS & INTERIOR ELEVATIONS
- A4 PARTIAL ROOF PLAN
- A5 DETAILS

| | | |
|----------|-----------------------|----------|
| 4 | ISSUED FOR TENDER | 14-10-23 |
| 3 | ISSUED FOR 99% REVIEW | 14-09-10 |
| 2 | ISSUED FOR 66% REVIEW | 14-03-18 |
| 1 | ISSUED FOR 33% REVIEW | 14-02-28 |
| revision | | date |

- A Detail No. No. du détail
- B drawing no. - where detail required dessin no. - où détail exigé
- C drawing no. - where detailed dessin no. - où détaillé

project title
titre du projet
BURLINGTON ONTARIO
CANADA CENTRE FOR INLAND WATERS
867 Lakeshore Road
ULTRA-TRACE LAB RENOVATION

drawing title
titre du dessin
COVER SHEET

drawn by
dessiné par
S. SIDMONS

designed by
conc par
M. MARTIGNAGO

approved by
approuvé par
M. MARTIGNAGO

tender submission
projet manager
administrateur de projets
SIMON LEE

project date
date du projet
2014-02

project no.
no. du projet
R.066381.001

drawing no.
dessiné no.
A0

ROOM FINISH SCHEDULE

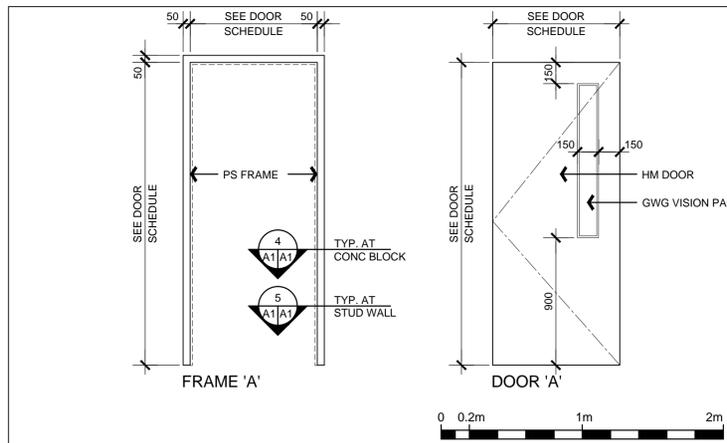
| ROOM No. | ROOM NAME | FLOOR | | | NORTH WALL | | SOUTH WALL | | EAST WALL | | WEST WALL | | CEILING | | NOTES |
|----------|------------|---------|-------|-------|------------|------|------------|------|-----------|------|-----------|------|---------|------|---------|
| | | MAT. | FIN. | BASE | MAT. | FIN. | MAT. | FIN. | MAT. | FIN. | MAT. | FIN. | MAT. | FIN. | |
| L760a | LABORATORY | (E)CONC | EPOXY | EPOXY | (E)CMU | PT-1 | GB | PT-1 | (E)BLK | PT-1 | GB | PT-1 | GB | PT-1 | 1, 3, 4 |
| L760b | AIR LOCK | (E)CONC | EPOXY | EPOXY | GB | PT-1 | GB | PT-1 | (E)BLK | PT-1 | GB | PT-1 | GB | PT-1 | 3 |
| L780 | CORRIDOR | | | RWB | (E)CMU | PT | | | (E)BLK | PT-1 | GB | PT-1 | GB | PT-1 | 2, 3 |
| L781 | CORRIDOR | | | RWB | | | | | (E)CMU | PT-3 | | | | | 2, 3 |

ROOM FINISH NOTES:
 1. EPOXY FLOOR BASE APPLIED TO WALLS.
 2. NEW WALL BASE TO BE SIMILAR TO EXISTING.
 3. FOR ABBREVIATIONS REFER TO ABBREVIATIONS LEGEND ON DRAWINGS A0.
 4. EXTEND WALL PAINT TO 150MM ABOVE FINISHED CEILING.

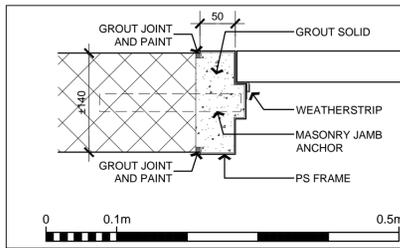
DOOR SCHEDULE

DOOR SCHEDULE NOTES:
 FOR ABBREVIATIONS REFER TO ABBREVIATIONS LEGEND ON DRAWING A0.

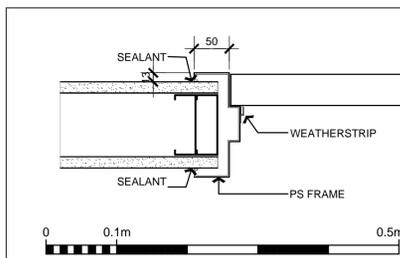
| DOOR NO. | DOOR | | | | GLAZ'G | | FRAME | | | | NOTES | | |
|----------|-------|--------|---------|-------|--------|-------|-------|------|-------|------|-------|------|---------------------|
| | WIDTH | HEIGHT | THICKN. | MAT. | FIN. | ELEV. | MAT. | FIN. | ELEV. | MAT. | | FIN. | ELEV. |
| D1 | 1100 | 2140 | 44 | METAL | PT | A | TG | PS | PT | A | | | 45 MIN FIRE RATING. |
| D2 | 1100 | 2140 | 44 | METAL | PT | A | TG | PS | PT | A | | | 45 MIN FIRE RATING. |
| D3 | 900 | 2140 | 44 | METAL | PT | A | TG | PS | PT | A | | | 45 MIN FIRE RATING. |



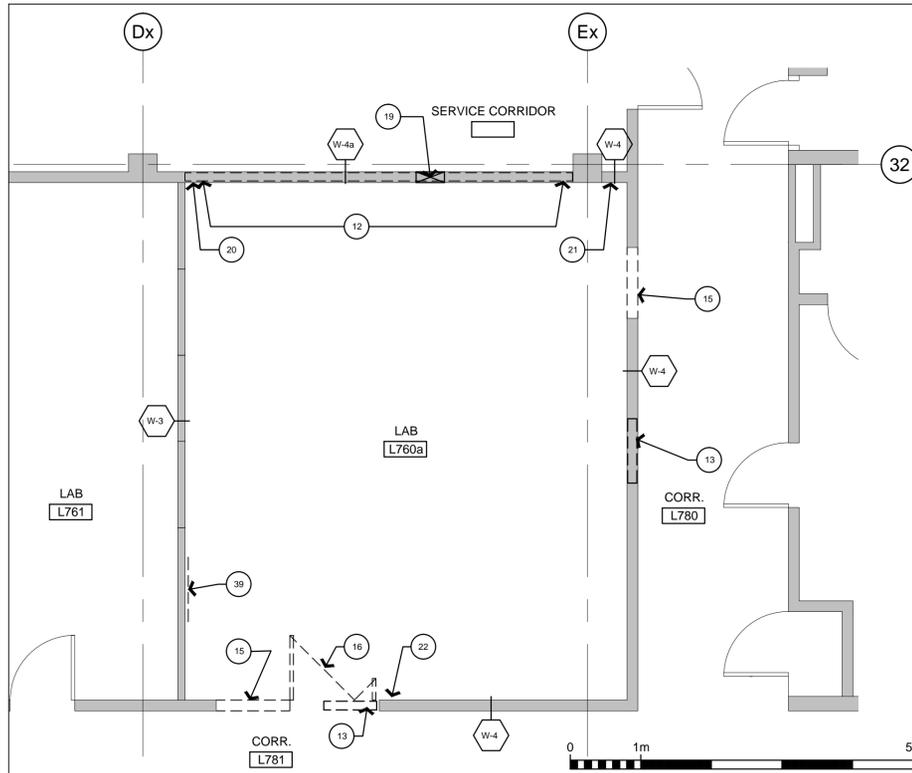
6 DOOR AND FRAME ELEVATIONS 1:25



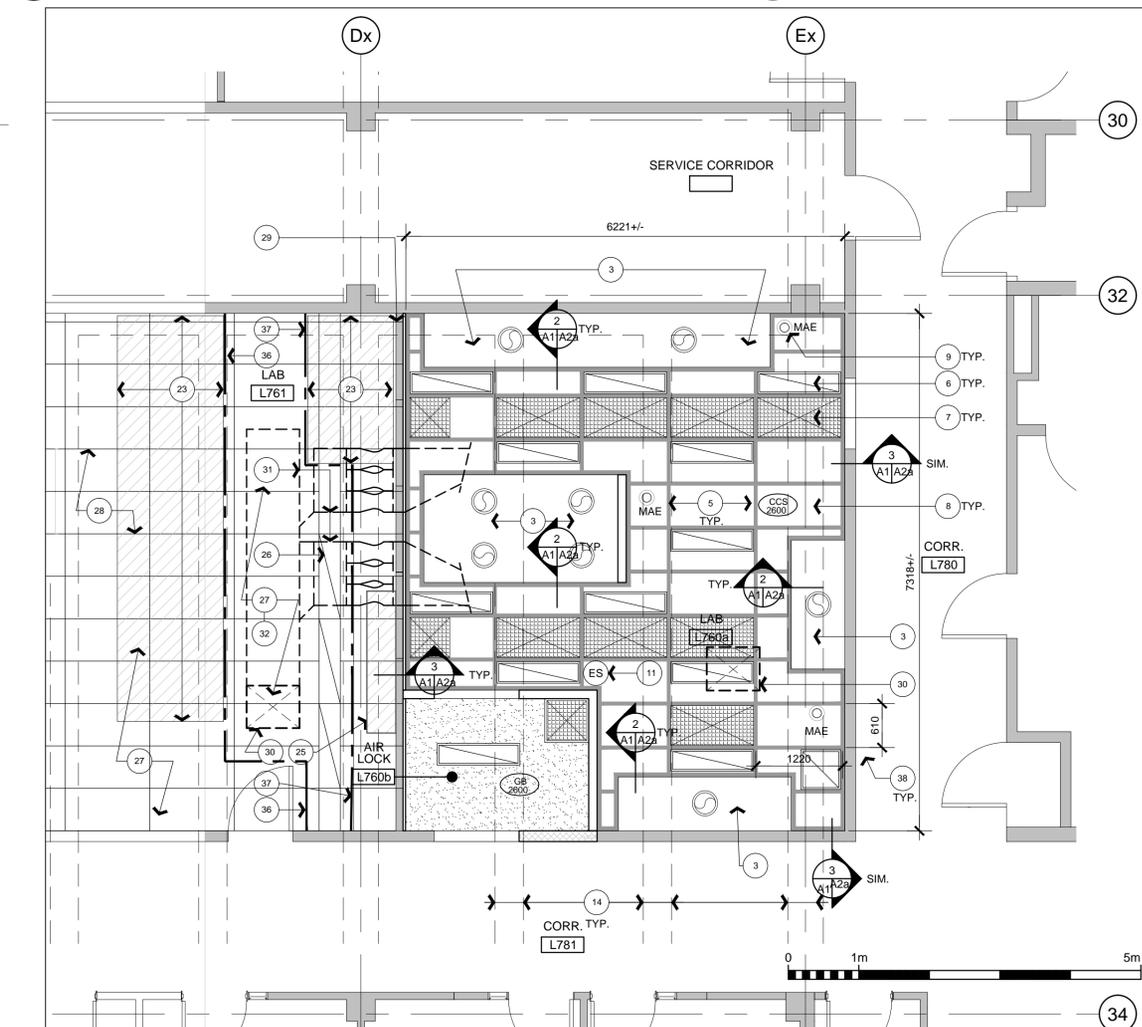
4 DOOR FRAME DETAIL 1:5



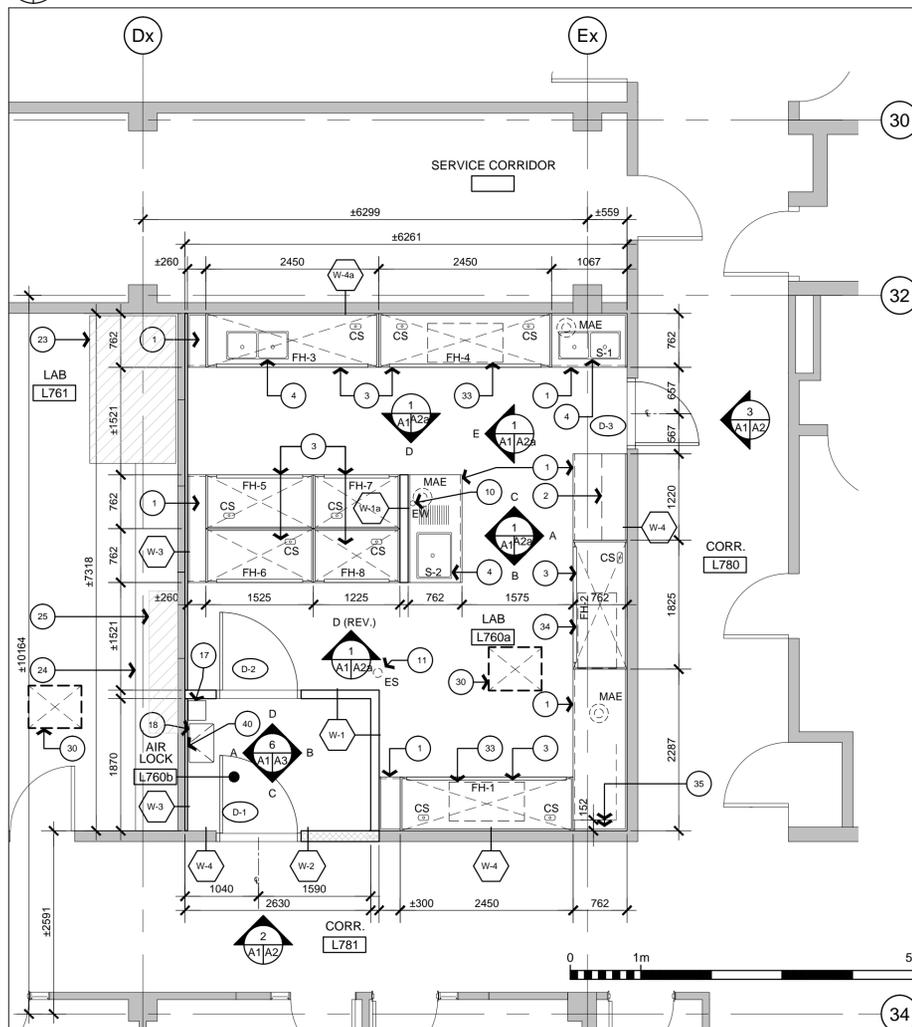
5 DOOR FRAME DETAIL 1:5



1 LAB DEMOLITION PLAN 1:50



2 LAB REFLECTED CEILING PLAN 1:50



3 LAB FLOOR PLAN 1:50

GENERAL NOTES

PRIOR TO COMMENCEMENT OF WORK, NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES NOTED IN THE CONTRACT DOCUMENTS.

- A. ALL GRID TO GRID DIMENSIONS ARE PLUS/MINUS. PRIOR TO COMMENCEMENT OF WORK, REVIEW SITE CONDITIONS AND VERIFY ALL DIMENSIONS. NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.
- B. DO NOT SCALE DRAWINGS.
- C. ALL DIMENSIONS ARE INDICATED IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

DRAWING NOTES - SHEET A1
 THESE NOTES APPLY TO DRAWING SHEET A1 ONLY.

- NEW COUNTERTOP. REFER TO CASEWORK DETAILS.
- LINE OF NEW OVERHEAD CASEWORK ABOVE. REFER TO CASEWORK DETAILS.
- NEW FUMEHOOD.
- NEW SINK WITH FAUCET.
- NEW SUSPENDED CEILING GRID AND CEILING TILE. TYPICAL.
- NEW LIGHT FIXTURE. REFER TO ELECTRICAL TYPICAL.
- NEW MECHANICAL DIFFUSER/REGISTER. REFER TO MECHANICAL.
- NEW SPRINKLER HEADS IN LAB. REFER TO MECHANICAL.
- NEW MOBILE ARM EXHAUST (MAE) ASSEMBLY. REFER TO MECHANICAL. PROVIDE NEW 25mm WIDE x 1.5mm THICK STAINLESS STEEL ANGLE No. 4 FINISH COLLAR AT PERIMETER OF NEW ARM AT CEILING SYSTEM. SECURE IN PLACE.
- EYEWASH STATION (EW).
- EMERGENCY SHOWER. REFER TO MECHANICAL.
- REMOVE TOP THREE CONCRETE BLOCK COURSES OF EXISTING BLOCK WALL.
- WHERE EXISTING THROUGH WALL 750 X 400MM +/- MECHANICAL DUCT IS REMOVED PROVIDE NEW CONCRETE BLOCK INFILL. SECURE BLOCK IN PLACE. GROUT ALL JOINTS.
- LINE OF EXISTING DROPPED CONCRETE BEAM AT ROOF SLAB ABOVE.
- REMOVE EXISTING CONCRETE BLOCK WALL FOR NEW DOOR OPENING.
- REMOVE EXISTING STEEL DOOR AND GROUT FILLED STEEL DOOR FRAME.
- NEW S/S WALL-MOUNTED STORAGE UNIT.
- NEW S/S WALL-MOUNTED FOLDING BENCH.
- PROVIDE NEW 140mm CONCRETE BLOCK AND INFILL WALL OPENING WHERE EXISTING 400 WIDE X 600MM +/- TALL ELECTRICAL PANEL IS REMOVED. SECURE BLOCK IN PLACE AND GROUT ALL JOINTS.
- REPAIR EXISTING CORE HOLES, 3-90MM DIAMETER AND 3-50MM DIAMETER. FILL HOLES WITH GROUT.
- REPAIR EXISTING CORE HOLES, 1-90MM DIA AND 2-50MM DIA AND ONE DAMAGED BLOCK. FILL HOLES AND DAMAGED BLOCK WITH GROUT.
- REPAIR EXISTING BLOCK WHERE ELECTRICAL JUNCTION BOX IS ABANDONED.
- EXISTING FLOOR TO CEILING FUMEHOOD.
- EXISTING LAB BENCHING.
- EXISTING LAB UPPER SHELVING WITH GLASS DOORS.
- EXISTING LIGHT FIXTURES.
- EXISTING ACOUSTIC CEILING TILE AND SUSPENDED GRID SYSTEM.
- EXISTING MAIN CEILING TEES AT 1200 O.C +/-.
- EXISTING CEILING GRID EXTENDS OVER EXISTING WALL. TRIM EXISTING CEILING GRID AND ADD NEW CROSS TEE ALONG ENTIRE WALL. REFER TO DETAIL.
- NEW MECHANICAL DUCT THROUGH ROOF SLAB ABOVE. REFER TO MECHANICAL AND STRUCTURAL DRAWINGS.
- NEW MECHANICAL DUCTWORK ABOVE CEILING. REFER TO MECHANICAL DRAWINGS.
- REMOVE EXISTING CEILING TILE AND GRID SYSTEM. SALVAGE FOR REUSE. TO FACILITATE INSTALLATION OF NEW DUCTWORK AND REMOVAL OF EXISTING ROOF SLAB FOR NEW DUCTWORK TO ROOF. REINSTATE CEILING TILE AN GRID AT COMPLETION OF RELATED WORKS.
- FLAMMABLE STORAGE CABINET BELOW FUMEHOOD.
- ACID STORAGE CABINET BELOW FUMEHOOD.
- PROVIDE SERVICE SPACE AT BASE CABINET. INSTALL GABLE END WITH ACCESS TO SERVICE SPACE.
- PROVIDE DUST SCREEN FROM FLOOR TO SLAB ABOVE. SEAL EDGE OF SCREEN CONTINUOUSLY TO PREVENT MIGRATION OF DUST AND CONSTRUCTION ACTIVITIES TO ADJACENT LAB SPACE.
- AT WALL BETWEEN NEW LAB AND EXISTING LAB EXTEND DUST SCREEN FROM SLAB UP AND OVER EXISTING FUMEHOOD, LAB BENCHING AND UPPER SHELVING.
- 610X1220MM CEILING GRID.
- REMOVE EXISTING GYPSUM BOARD TO FACILITATE INSTALLATION OF NEW WOOD BLOCKING.
- PROVIDE NEW 16MM PLYWOOD WOOD BLOCKING FROM FLOOR TO ABOVE NEW BENCH SEAT AND SECURE TO EXISTING STUD. SECURE NEW BENCH THROUGH GYPSUM BOARD AND INTO PLYWOOD. PROVIDE NEW GYPSUM BOARD OVER PLYWOOD AND ALIGN WITH ADJACENT SURFACES. PAINT FINISH.

Public Works and Government Services Canada
 Architectural and Engineering Services Ontario Region
 Travaux publics et Services gouvernementaux Canada
 Services d'architecture et de génie Région de l'Ontario

ONTARIO ASSOCIATION OF ARCHITECTS
 MAURICIO SEBASTIAN MARTIGNAGO
 LICENCE 6292

383 Parkdale Ave., Suite 201
 Ottawa Ontario Canada K1Y 4R4

KWC ARCHITECTS INC.

PHONE (613) 238-2117
 FAX (613) 238-6595
 E MAIL kwc@kwc-arch.com

| revision | description | date |
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| Detail No. | No. du détail |
|------------|-------------------------------------|
| A | drawing no. - where detail required |
| B | dessin no. - où détail exigé |
| C | drawing no. - where detailed |
| | dessin no. - où détaillé |

project title
 titre du projet
BURLINGTON ONTARIO
 CANADA CENTRE FOR INLAND WATERS
 867 Lakeshore Road

ULTRA-TRACE LAB RENOVATION

drawing title
 titre du dessin
LAB FLOOR PLANS & REFLECTED CEILING PLAN
DOOR SCHEDULE & DETAILS
ROOM FINISH SCHEDULE

drawn by
 dessiné par
S. SIDMONS

designed by
 conc par
M. MARTIGNAGO

approved by
 approuvé par
M. MARTIGNAGO

tender
 soumission
SIMON LEE

project date
 date du projet
2014-02

project no.
 no. du projet
R.066381.001

drawing no.
 dessiné no.
A1

GENERAL NOTES

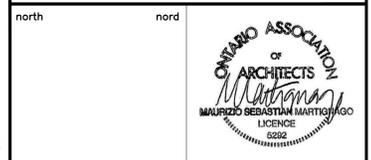
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- B. DO NOT SCALE DRAWINGS.
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DRAWING NOTES - SHEET A2
THESE NOTES APPLY TO DRAWING SHEET A2 ONLY

- NEW STAINLESS STEEL COUNTERTOP. REFER TO DETAILS.
- NEW STAINLESS STEEL FUMEHOOD
- NEW CLEANROOM CEILING SYSTEM.
- NEW MOBILE ARM EXHAUST (MAE) ASSEMBLY. REFER TO MECHANICAL. PROVIDE NEW 25mm WIDE x 1.5mm THICK STAINLESS STEEL ANGLE W/ 4 FINISH COLLAR AT PERIMETER OF NEW ARM AT CEILING SYSTEM. SECURE IN PLACE.
- NEW ELECTRICAL DATA RACEWAY.
- NEW STAINLESS STEEL COUNTERTOP BACKSPLASH.
- NEW STAINLESS STEEL METAL BASE CABINET.
- NEW STAINLESS STEEL ACID STORAGE CABINET.
- NEW STAINLESS STEEL CABLE END.
- SERVICE SPACE BEHIND BASE CABINET.
- NEW STAINLESS STEEL BASE
- NEW FUMEHOOD PROFILE, IN FOREGROUND.
- NEW DOOR AND FRAME.
- NEW EPOXY WALL PAINT. FLOOR TO CEILING.
- NEW CONCRETE BLOCK AROUND NEW DOOR OPENING. INTEGRATE WITH EXISTING BLOCK COURSING.
- NEW STAINLESS STEEL METAL UPPER WALL CABINET (NO DOORS).
- UNDERSIDE OF EXISTING CONCRETE SLAB (ROOF).
- UNDERSIDE OF EXISTING CONCRETE BEAM.
- FINISHED FLOOR.
- PROVIDE STAINLESS STEEL REMOVABLE ACCESS PANEL AT TOP OF FUME HOOD.
- EXISTING PAINTED CONCRETE BLOCK WALL.
- NEW PAINT FINISH TO BE SIMILAR TO EXISTING ADJACENT PAINT FINISH IN COLOUR AND SHEEN.
- EXISTING RUBBER WALL BASE.
- NEW EPOXY WALL BASE.
- NEW CONCRETE BLOCK LINTEL. PROVIDE 150MM BEARING ON EACH SIDE OF NEW DOOR AND GROUT FILL BLOCK FROM NEW LINTEL TO TOP OF FLOOR SLAB.
- NEW STAINLESS STEEL BANK OF DRAWERS.
- EXISTING GYPSUM BOARD LIGHT COVE AT 2750MM ON CORRIDOR SIDE.
- REMOVE EXISTING BLOCK ABOVE TO FACILITATE INSTALLATION OF THE NEW DOOR AND LINTEL. BRACE AND SUPPORT BLOCK THAT REMAINS UNTIL NEW LINTEL IS INSTALLED.
- EXISTING ACOUSTIC CEILING TILE AND SUSPENSION SYSTEM.
- MECHANICAL DUCTWORK AND EQUIPMENT NOT SHOWN WITHIN CEILING SPACE. REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS.
- RETURN STAINLESS STEEL BACKSPLASH ALONG SIDE WALL OF FUME HOOD AND ADJACENT PARTITION.
- NEW WALL BASE TO BE SIMILAR IN COLOUR AND HEIGHT TO EXISTING.
- PROVIDE METAL STUD DIAGONAL BRACE TO SUPPORT NEW PARTITION AT 1200MM O.C.
- FLAMMABLE STORAGE BASE CABINET.
- SPLIT FUMEHOOD SASH

Public Works and Government Services Canada
Architectural and Engineering Services
Ontario Region

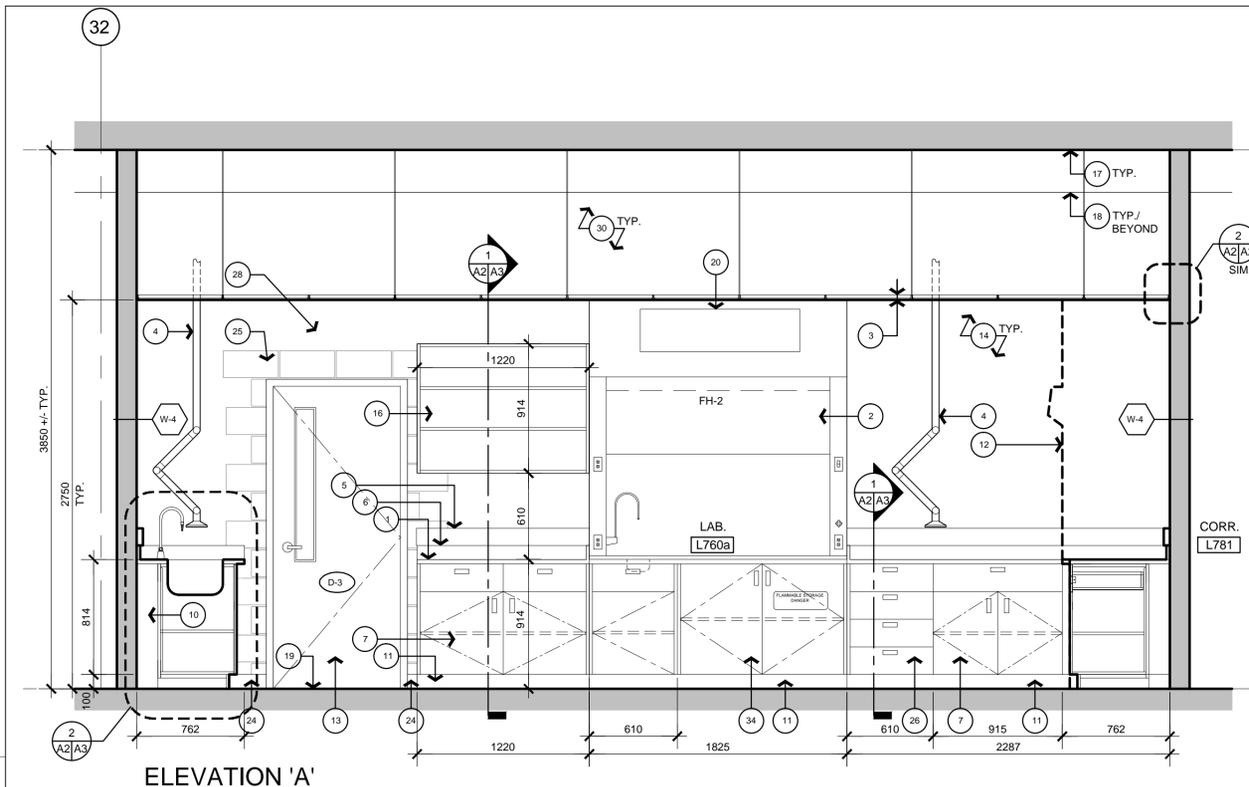
Travaux publics et Services gouvernementaux Canada
Services d'architecture et de génie
Région de l'Ontario



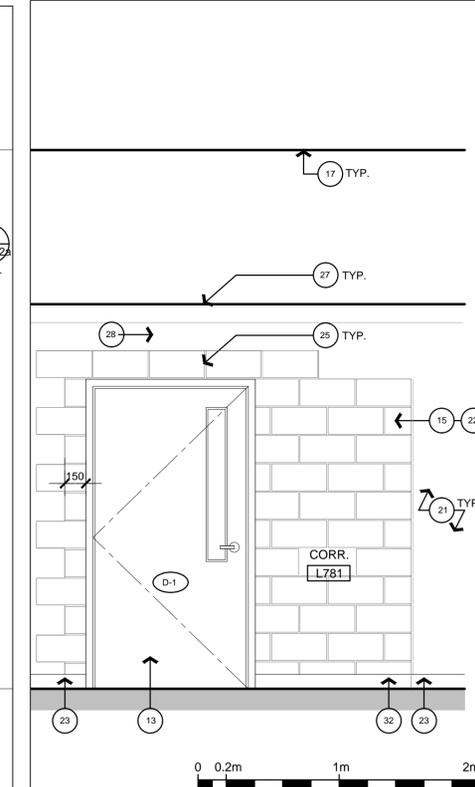
383 Parkdale Ave., Suite 201
Ottawa Ontario Canada K1Y 4R4

kwc KWC ARCHITECTS INC.

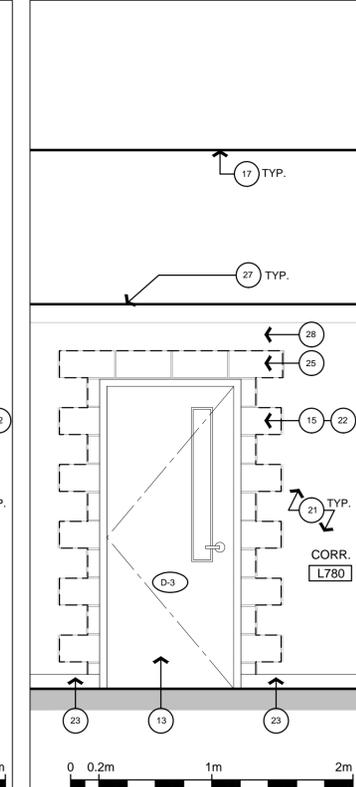
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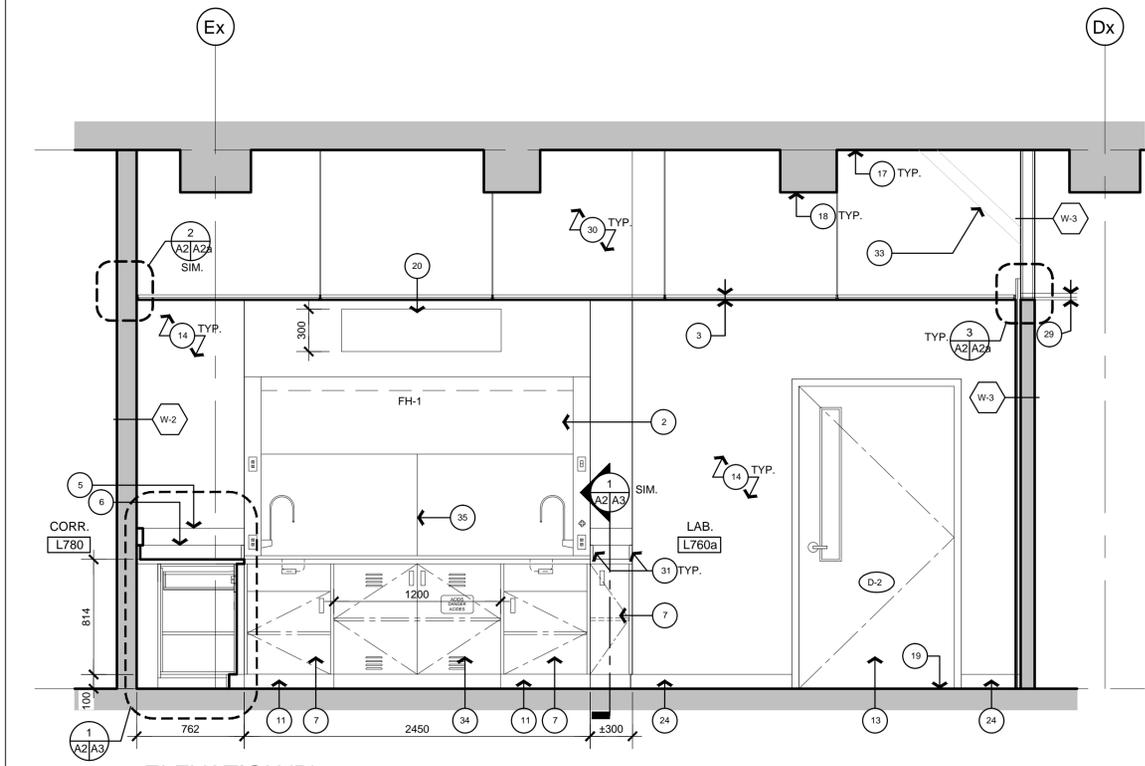
ELEVATION 'A'



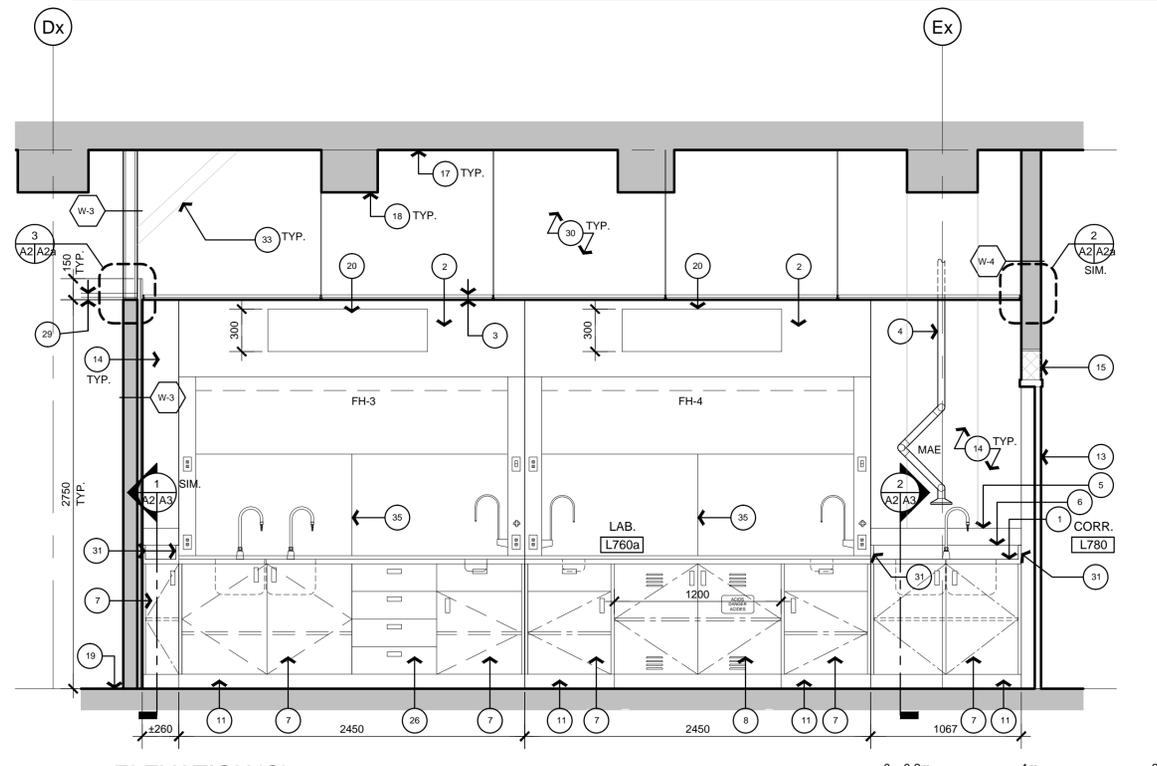
ELEVATION 2



ELEVATION 3



ELEVATION 'B'



ELEVATION 'C'

1 A1/A2 INTERIOR ELEVATIONS - LAB

1 : 25

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| 4 | ISSUED FOR TENDER | 14-10-23 |
| 3 | ISSUED FOR 99% REVIEW | 14-09-10 |
| 2 | ISSUED FOR 66% REVIEW | 14-03-18 |
| 1 | ISSUED FOR 33% REVIEW | 14-02-28 |
| revision | | date |

| | |
|---|-------------------------------------|
| A | Detail No. |
| B | drawing no. - where detail required |
| C | drawing no. - where detailed |

project title
titre du projet
BURLINGTON ONTARIO
CANADA CENTRE FOR INLAND WATERS
867 Lakeshore Road

ULTRA-TRACE LAB RENOVATION

drawing title
titre du dessin
INTERIOR ELEVATIONS

drawn by
dessiné par S. SIDMONS

designed by
conç par M. MARTIGNAGO

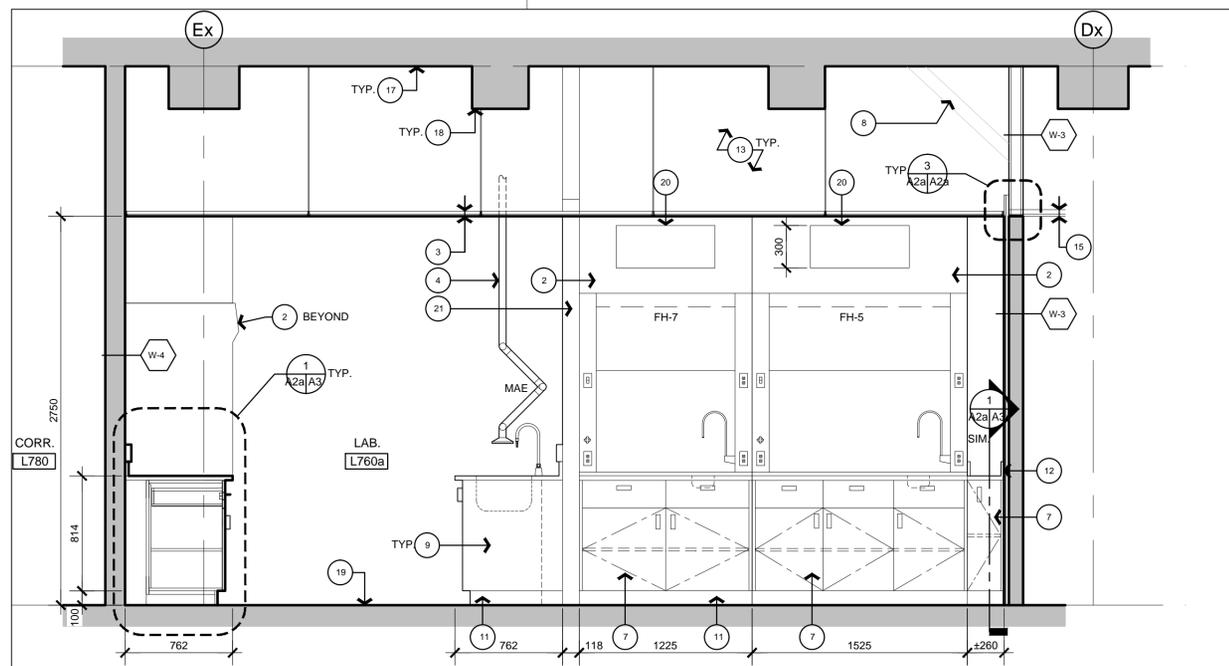
approved by
approuvé par M. MARTIGNAGO

tender submission
SIMON LEE project manager
administrateur de projets

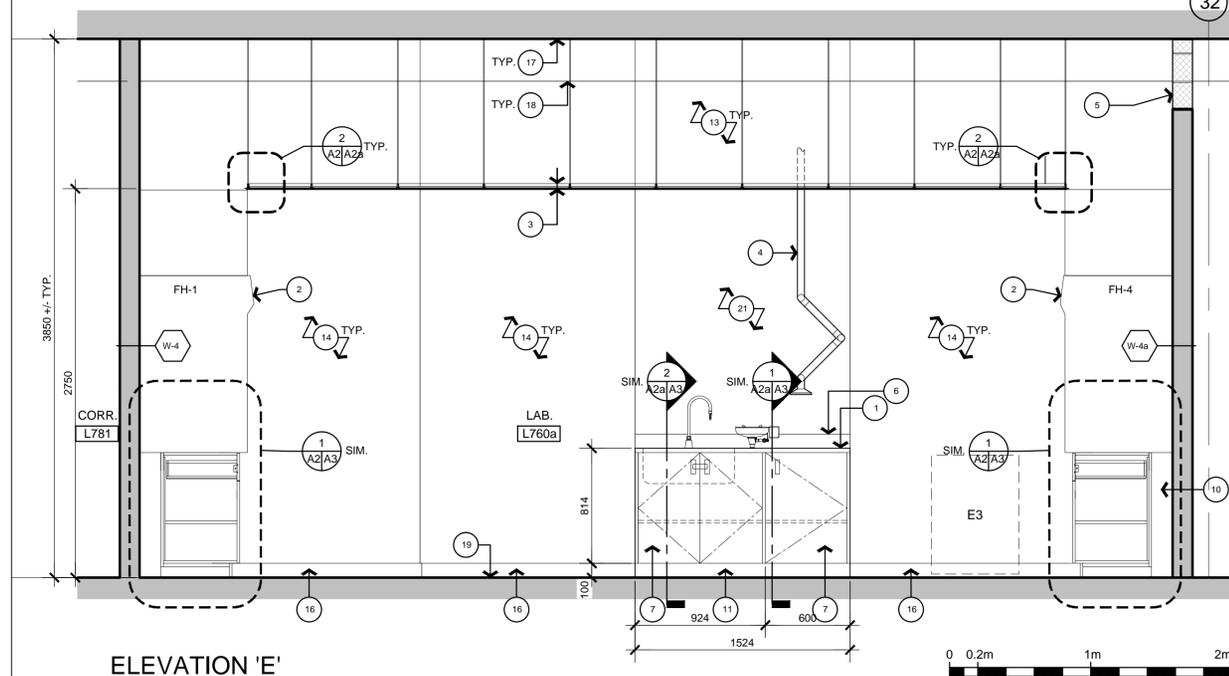
project date
date du projet 2014-02

project no.
no. du projet R.066381.001

drawing no.
dessiné no. A2

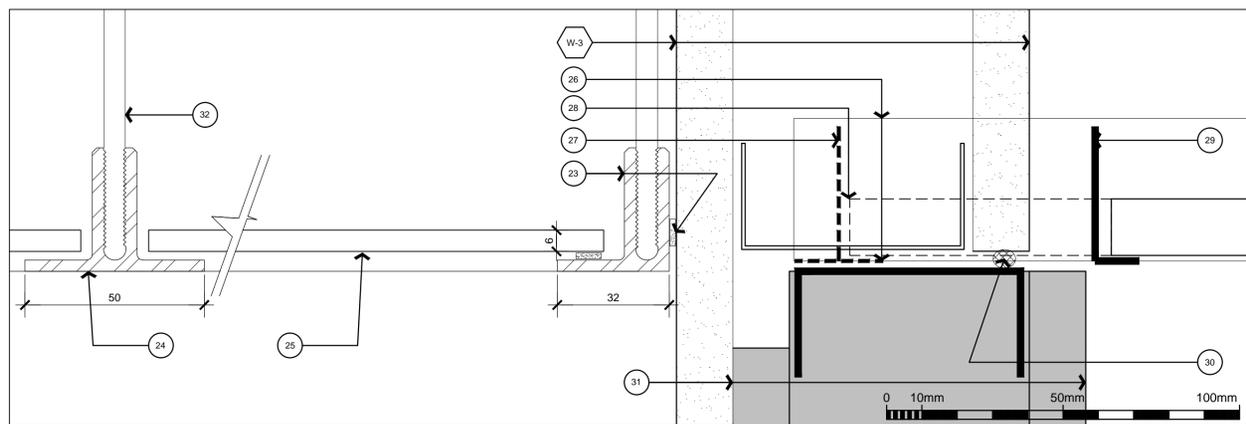


ELEVATION 'D'

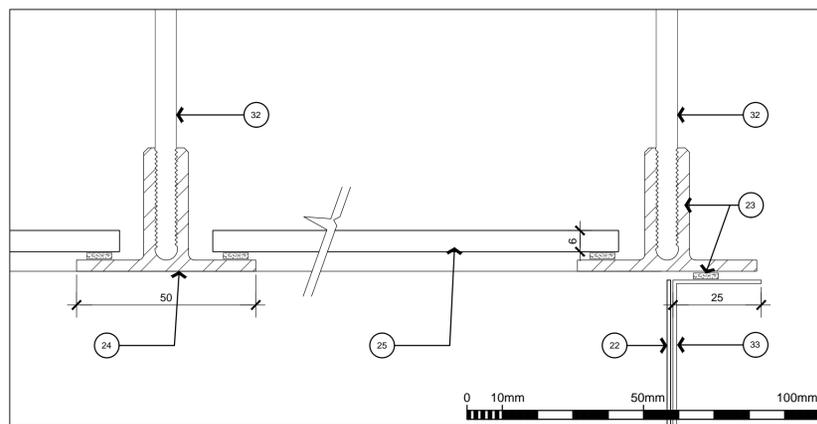


ELEVATION 'E'

INTERIOR ELEVATIONS - LAB 1:25



SECTION DETAIL 1:1



SECTION DETAIL 1:1

GENERAL NOTES

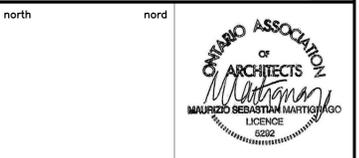
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- B. DO NOT SCALE DRAWINGS.
- C. ALL DIMENSIONS ARE INDICATED IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

DRAWING NOTES - SHEET A2a
THESE NOTES APPLY TO DRAWING SHEET A2a ONLY

1. NEW STAINLESS STEEL COUNTERTOP. REFER TO DETAILS.
2. NEW STAINLESS STEEL FUMEHOOD
3. NEW CLEANROOM CEILING SYSTEM.
4. NEW MOBILE ARM EXHAUST (MAE) ASSEMBLY. REFER TO MECHANICAL. PROVIDE NEW 25mm WIDE x 1.5mm THICK STAINLESS STEEL, ANGLE No. 4 FINISH COLLAR AT PERIMETER OF NEW ARM AT CEILING SYSTEM. SECURE IN PLACE.
5. NEW CONCRETE BLOCK
6. NEW COUNTERTOP BACKSPLASH
7. NEW STAINLESS STEEL METAL BASE CABINET.
8. PROVIDE METAL STUD DIAGONAL BRACE TO SUPPORT NEW PARTITION AT 1200MM O.C.
9. NEW STAINLESS STEEL GABLE-END.
10. SERVICE SPACE BEHIND BASE CABINET.
11. NEW STAINLESS STEEL BASE.
12. RETURN STAINLESS STEEL BACKSPLASH ALONG SIDE WALL OF FUME HOOD AND ADJACENT PARTITION.
13. MECHANICAL DUCTWORK AND EQUIPMENT NOT SHOWN WITHIN CEILING SPACE, REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS.
14. NEW EPOXY WALL PAINT, FLOOR TO CEILING.
15. EXISTING ACOUSTIC CEILING TILE AND SUSPENSION SYSTEM.
16. NEW EPOXY WALL BASE.
17. UNDERSIDE OF EXISTING CONCRETE SLAB (ROOF).
18. UNDERSIDE OF EXISTING CONCRETE BEAM.
19. FINISHED FLOOR.
20. PROVIDE STAINLESS STEEL REMOVABLE ACCESS PANEL AT TOP OF FUME HOOD.
21. STAINLESS STEEL WALL CLADDING.
22. FACE OF FUMEHOOD.
23. PROVIDE CEILING TEE AROUND PERIMETER OF FUMEHOOD (WHERE CEILING ABUTS FUMEHOOD) AND ALIGN CENTERLINE OF CEILING TEE WITH FACE OF FUMEHOOD. PROVIDE GASKET SEAL BETWEEN CEILING TEE AND FUMEHOOD PANEL.
24. ANODIZED ALUM CEILING TEE COMPLETE WITH GASKETS
25. LAY IN CEILING TILE.
26. EXISTING MAIN TEE TO REMAIN.
27. REMOVE EXISTING CROSS TEE.
28. TRIM EXISTING CEILING TILE.
29. NEW PRE-FINISHED CEILING WALL TRIM, SECURE IN PLACE.
30. PROVIDE CONTINUOUS SEALANT AT UNDERSIDE OF NEW WALL STUD TRACK.
31. EXISTING GYPSUM BOARD AND STUD WALL.
32. 6MM DIA THREADED ROD SUSPENSION.
33. PROVIDE STAINLESS STEEL ANGLE AROUND PERIMETER OF FUMEHOOD PANEL AND SECURE TO FUMEHOOD.

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383 Parkdale Ave., Suite 201
Ottawa Ontario Canada K1Y 4R4
KWC ARCHITECTS INC.
PHONE (613) 238-2117
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E MAIL kw@kwc-arch.com

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drawn by
dessiné par **S. SIDMONS**

designed by
conçu par **M. MARTIGNAGO**

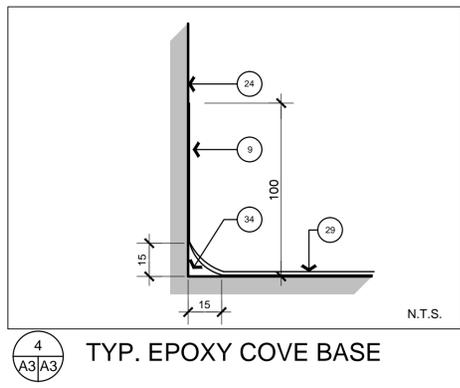
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tender submission
soumission **SIMON LEE** project manager
administrateur de projets

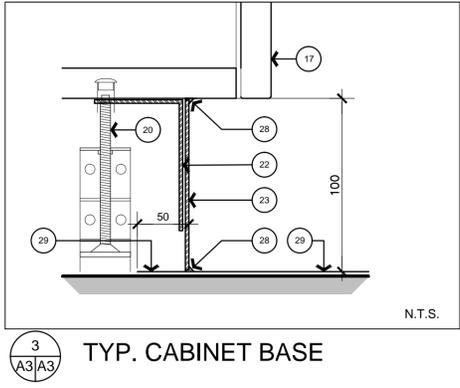
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date du projet **2014-02**

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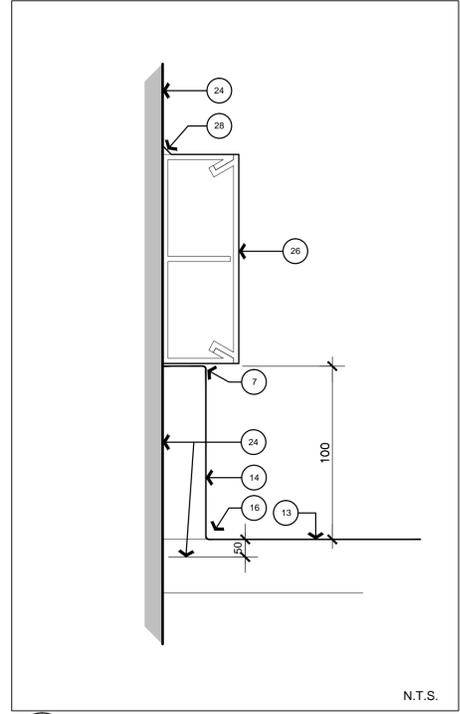
drawing no.
dessiné no. **A2a**



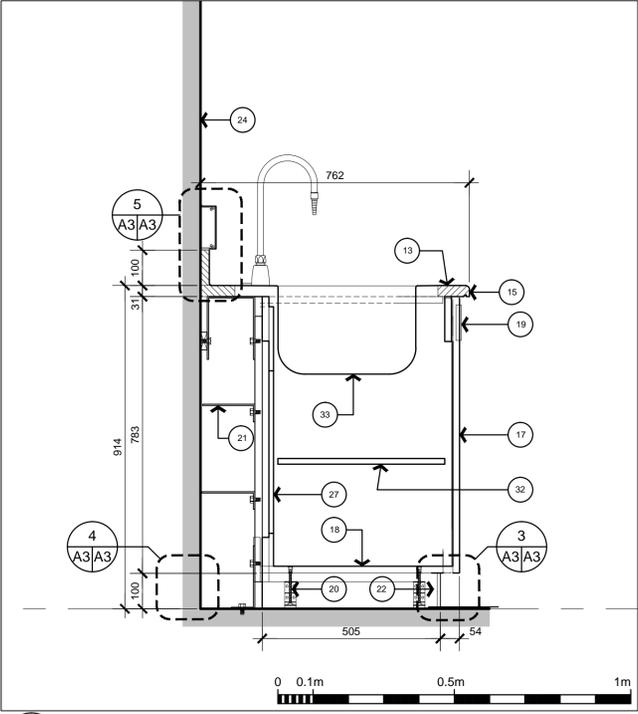
4 TYP. EPOXY COVE BASE
A3/A3



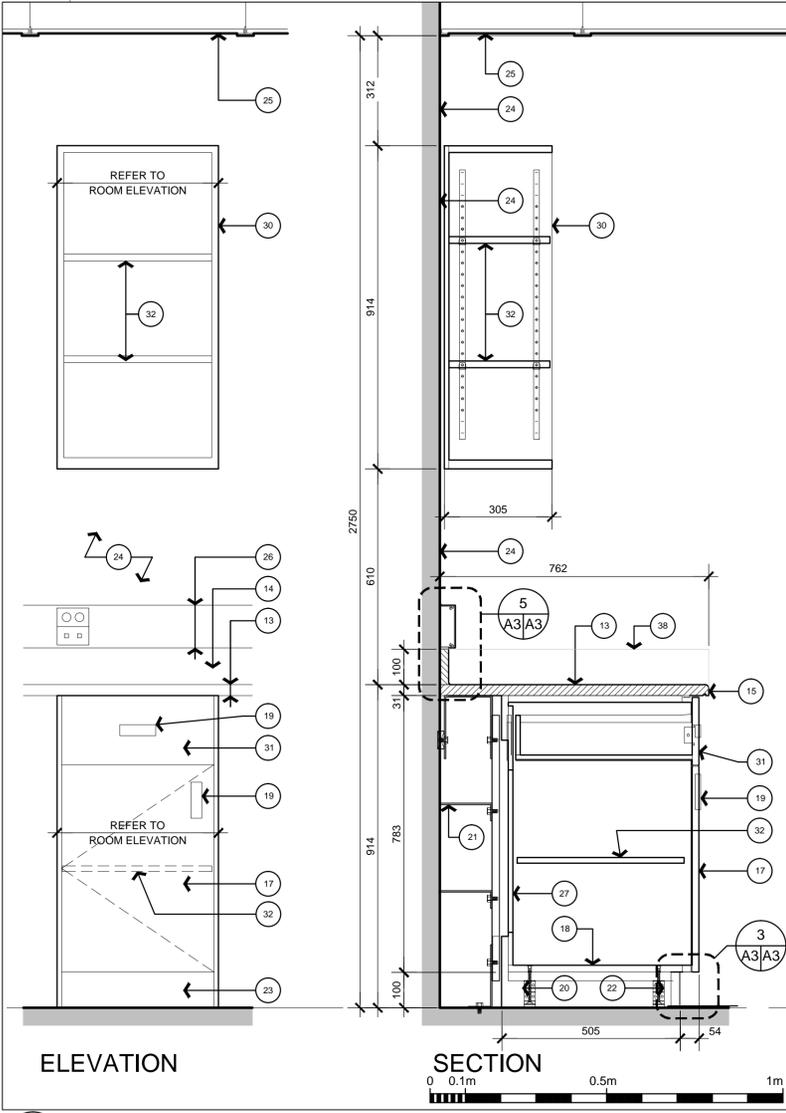
3 TYP. CABINET BASE
A3/A3



5 TYP. BACKSPASH
A3/A3



2 TYP. CASEWORK AT DRAWER UNIT
A2/A3



1 TYP. CASEWORK DETAILS AT CUPBOARD UNIT
A2/A3

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- B. DO NOT SCALE DRAWINGS.
- C. ALL DIMENSIONS ARE INDICATED IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- DRAWING NOTES - SHEET A3**
THESE NOTES APPLY TO DRAWING SHEET A3 ONLY
- NEW DOOR AND FRAME.
 - NEW EPOXY WALL PAINT, FLOOR TO CEILING.
 - NEW CONCRETE BLOCK COURSING AROUND NEW DOOR OPENING.
 - UNDERSIDE OF EXISTING CONCRETE SLAB.
 - UNDERSIDE OF EXISTING CONCRETE BEAM.
 - FINISHED FLOOR.
 - PROVIDE RADIUS OUTSIDE CORNER.
 - NEW CONCRETE MASONRY UNIT LINTEL.
 - NEW COVERED EPOXY BASE.
 - NEW SUSPENDED 16MM GYPSUM BOARD CEILING ON METAL FRAMING AT 400MM O.C.
 - NEW S/S WALL-MOUNTED STORAGE UNIT.
 - NEW S/S WALL-MOUNTED FOLD DOWN BENCH.
 - STAINLESS STEEL COUNTER TOP.
 - STAINLESS STEEL BACKSPASH.
 - BEVEL EDGE.
 - PROVIDE RADIUS INSIDE CORNER.
 - STAINLESS STEEL CABINET DOOR.
 - STAINLESS STEEL CABINET CASEWORK.
 - RECESSED STAINLESS STEEL CABINET DOOR PULL.
 - CABINET ADJUSTABLE FEET.
 - SERVICE SPACE PRE-GALVANIZED BENCH SUPPORTS.
 - CONTINUOUS 1.2MM THICK STAINLESS STEEL ANGLE BACKUP TO SECURE STAINLESS STEEL BASE. SECURE ANGLE IN PLACE.
 - STAINLESS STEEL BASE.
 - NEW EPOXY WALL FINISH.
 - NEW SUSPENDED CLEANROOM CEILING SYSTEM.
 - NEW ELECTRICAL/DATA RACEWAY.
 - REMOVABLE BACK PANEL TO ACCESS SERVICE SPACE. TYPICAL.
 - CONTINUOUS CAULKING.
 - NEW EPOXY FLOOR FINISH.
 - NEW STAINLESS STEEL CABINET UPPER UNIT.
 - STAINLESS STEEL CABINET DRAWER FACE.
 - ADJUSTABLE STAINLESS STEEL CABINET SHELF.
 - NEW STAINLESS STEEL SINK. INTEGRATE SINK AND MAKE CONTINUOUS WITH COUNTER TOP.
 - TROWELED EPOXY COVE.
 - NEW EPOXY WALL BASE.
 - EXISTING CEILING TILE AND SUSPENSION SYSTEM.
 - PROVIDE METAL STUD DIAGONAL BRACE TO SUPPORT NEW PARTITION AT 1200MM O.C. SECURE BRACE TO PARTITION AND TO SLAB.
 - RETURN STAINLESS STEEL BACKSPASH AT ABUTTING WALL AND FUMEHOOD. FULLY INTEGRATE BACKSPASH WITH COUNTER.
 - PLYWOOD BLOCKING INSIDE WALL, SECURE TO EXISTING METAL STUD.
 - TYPICAL S/S SHELF, FOLD DOWN SHELF EDGES 5MM.
 - PROVIDE 50MM CLEARANCE BETWEEN BACKSIDE OF BENCH AND WALL.

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ONTARIO ASSOCIATION OF ARCHITECTS
MAURICIO SEBASTIAN MARTIGNAGO
LICENCE 6292

kwc
383 Parkdale Ave., Suite 201
Ottawa Ontario Canada K1Y 4R4
KWC ARCHITECTS INC.
PHONE (613) 238-2117
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drawing title
titre du dessin
DETAILS & INTERIOR ELEVATIONS

drawn by
dessiné par S. SIDMONS

designed by
conc par M. MARTIGNAGO

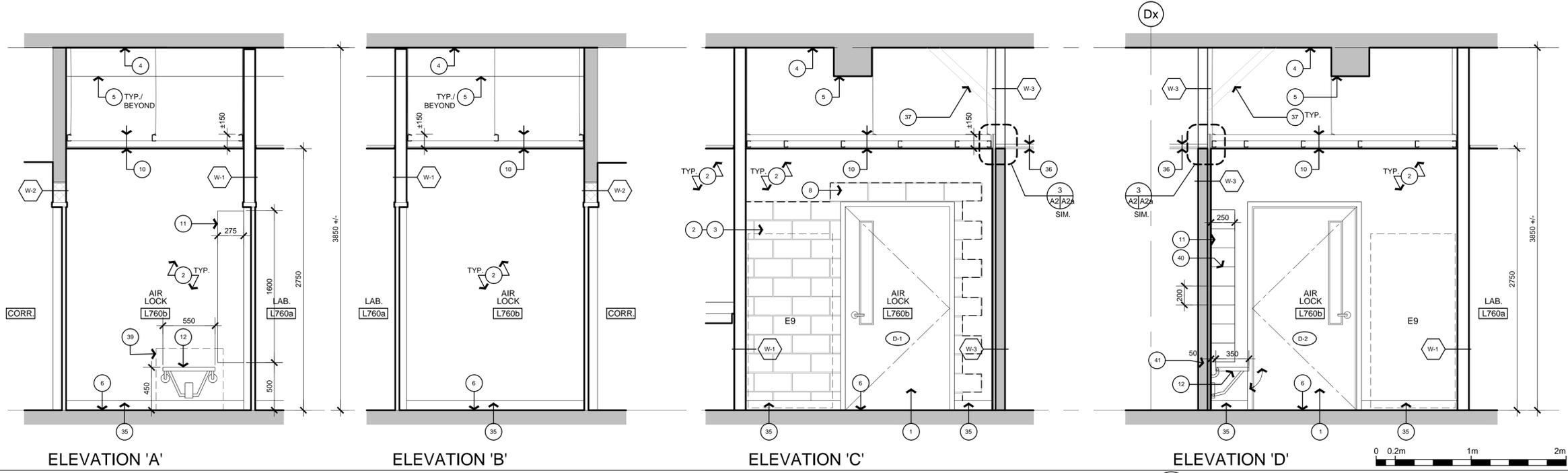
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tender submission
SIMON LEE project manager
administrateur de projets

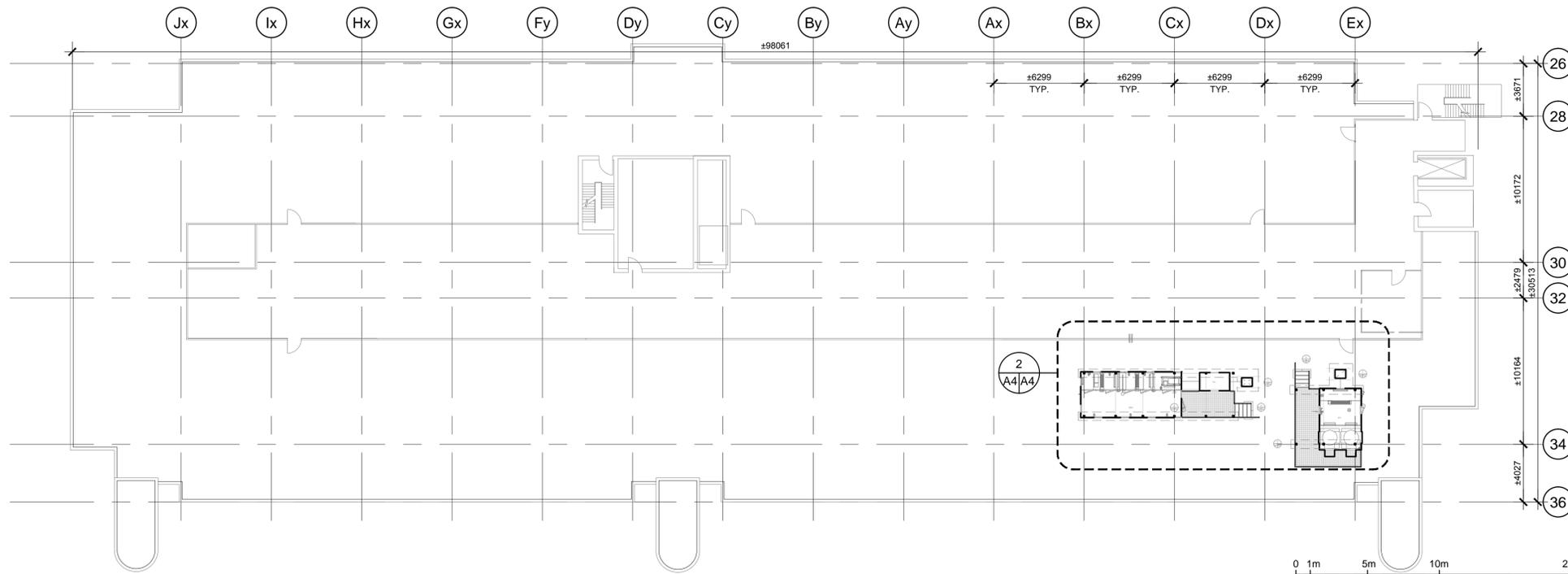
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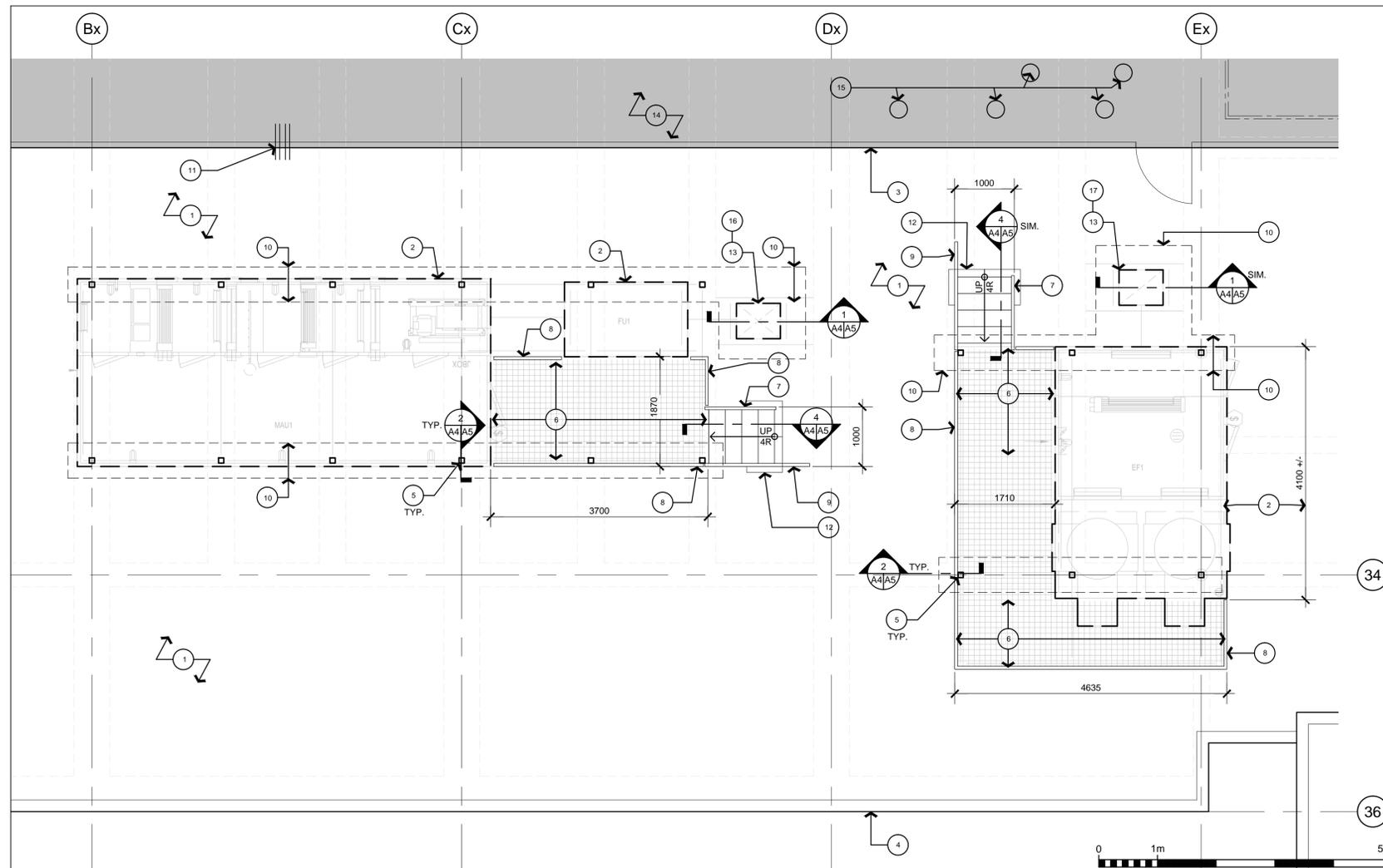
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dessiné no. A3



6 INTERIOR ELEVATIONS - AIR LOCK
A2/A3



1 OVERALL ROOF PLAN 1:200



2 PARTIAL ROOF PLAN 1:50

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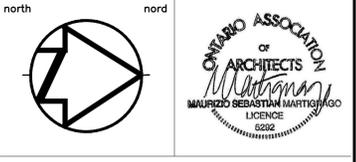
C. ALL DIMENSIONS ARE INDICATED IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

DRAWING NOTES – SHEET A4
THESE NOTES APPLY TO DRAWING SHEET A4 ONLY

- EXISTING 2 PLY MODIFIED BITUMINOUS ROOF SYSTEM.
- NEW ROOF TOP UNIT. REFER TO MECHANICAL.
- EXISTING MECHANICAL PENTHOUSE WALL.
- EDGE OF EXISTING ROOF AND PARAPET.
- NEW STEEL POST TO SUPPORT NEW PLATFORM. REFER TO STRUCTURAL FOR POST INFORMATION AND TO DETAIL 2/A5 FOR NEW ROOFING. TYPICAL AT ALL NEW POSTS.
- NEW GALVANIZED STEEL RAISED PLATFORM. REFER TO STRUCTURAL.
- NEW GALVANIZED STEEL STAIR c/w HANDRAIL BOTH SIDES. REFER TO DETAIL.
- NEW GALVANIZED STEEL GUARDRAIL. REFER TO DETAILS ON A5.
- NEW GALVANIZED STEEL HANDRAIL EXTENSION. REFER TO DETAILS ON A5.
- REMOVE EXISTING ROOFING SYSTEM TO FACILITATE INSTALLATION OF NEW SUPPORT POSTS FOR NEW RAISED PLATFORM. PROVIDE NEW ROOFING AND INSULATION AND TIE IN NEW ROOFING INTO EXISTING. REFER TO DETAILS ON A5.
- PROVIDE CAULKING ALL AROUND NEW PIPE PENETRATIONS THROUGH EXISTING WALL.
- 2-600 X 600 X 38MM PRECAST CONCRETE PAVES AT BOTTOM OF STAIR. PROVIDE 25MM THICK RIGID INSULATION BETWEEN NEW PAVES AND ROOF MEMBRANE.
- NEW DUCT THROUGH ROOF SLAB AND NEW ROOF CURB. SEE CURB DETAIL ON A5. REFER ALSO TO MECHANICAL AND STRUCTURAL DRAWINGS.
- UPPER PENTHOUSE ROOF.
- EXISTING ROUND DUCT TO BE REMOVED. REFER TO MECHANICAL. EXISTING TAPERED AND ROUND FLASHING COLLAR TO REMAIN. PROVIDE NEW PRE-FINISHED METAL CAP TO FLASHING COLLAR AND SECURE IN PLACE. MAKE CAP CONNECTION TO EXISTING COLLAR WATER TIGHT.
- EXISTING LAB RM. L761 DIRECTLY BELOW ROOF.
- EXISTING LAB RM. L760 DIRECTLY BELOW ROOF.

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titre du dessin
PARTIAL ROOF PLAN

drawn by
dessiné par **S. SIDMONS**

designed by
conçu par **M. MARTIGNAGO**

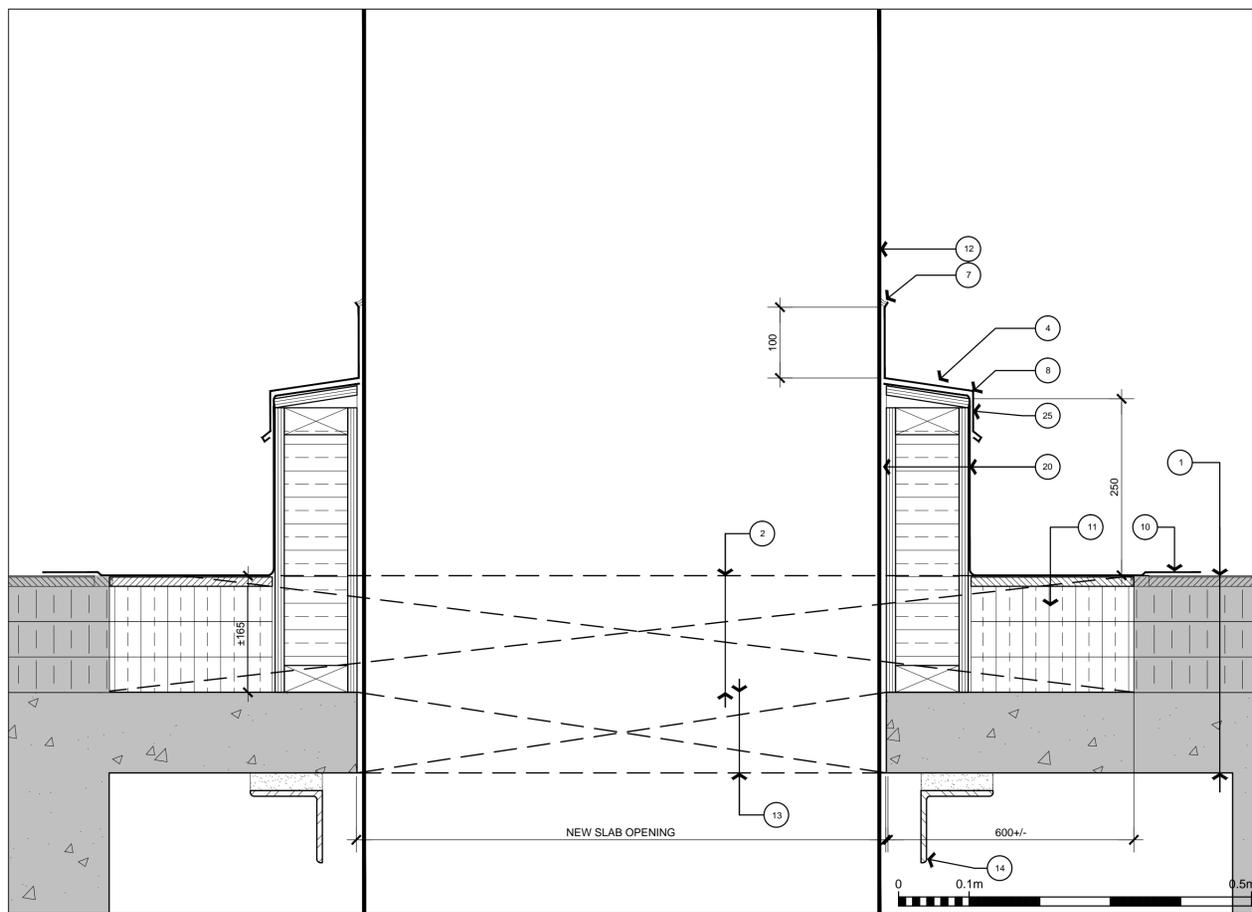
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tender
soumission **SIMON LEE** project manager
administrateur de projets

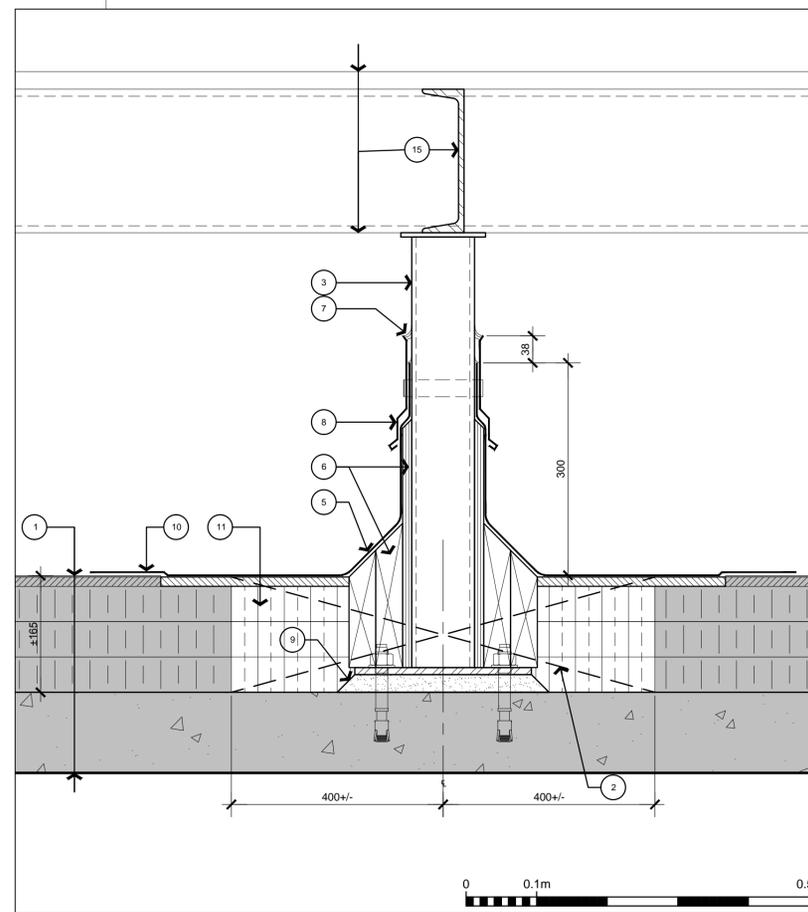
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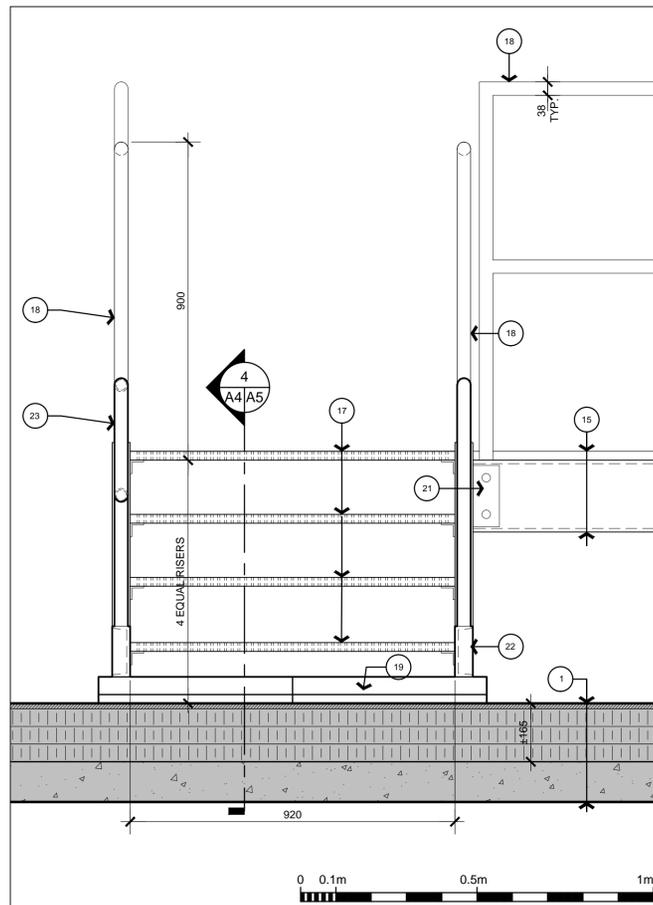
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dessiné no. **A4**



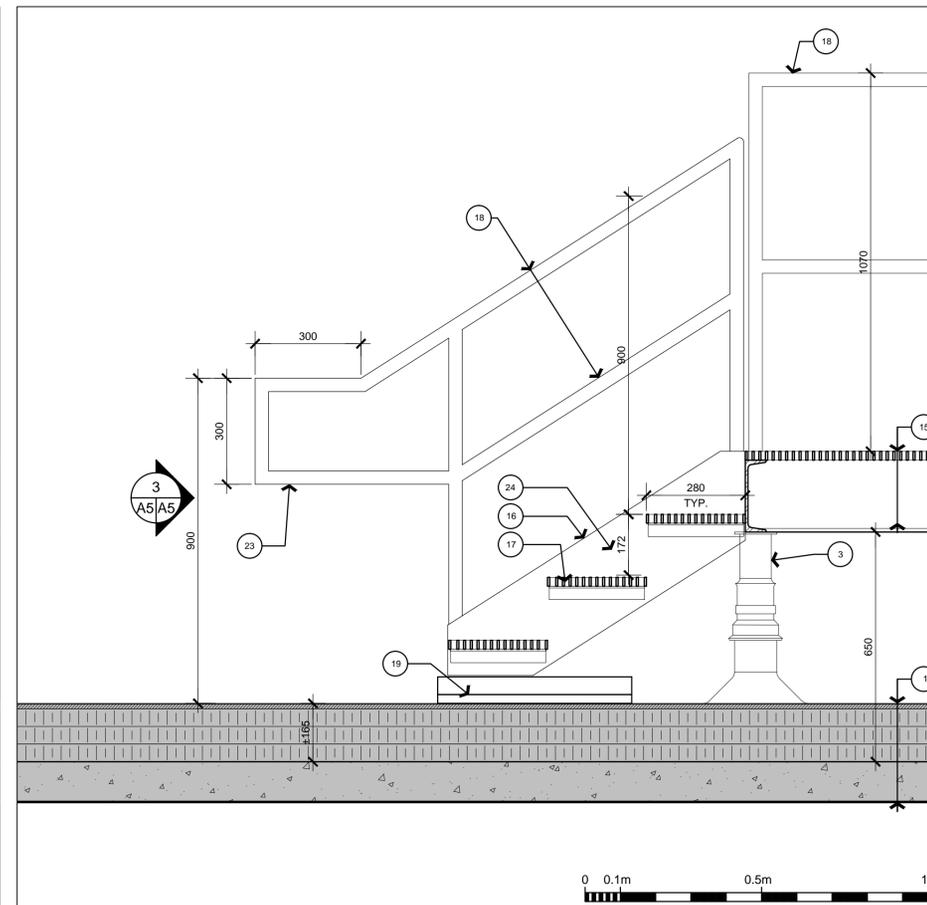
1 SECTION DETAIL 1:5
A4/A5



2 SECTION DETAIL 1:5
A4/A5



3 ELEVATION DETAIL 1:10
A5/A5



4 SECTION DETAIL 1:10
A4/A5

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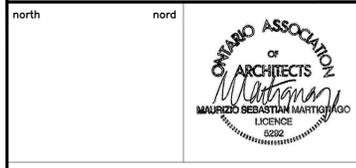
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DRAWING NOTES – SHEET A5
THESE NOTES APPLY TO DRAWING SHEET A5 ONLY

- EXISTING 2 PLY MODIFIED BITUMINOUS ROOF SYSTEM ON EXISTING CONCRETE ROOF SLAB.
- REMOVE EXISTING ROOF MEMBRANES AND INSULATION TO FACILITATE INSTALLATION OF NEW STEEL POSTS AND NEW DUCT. REINSTATE WITH NEW 2 PLY ROOF MEMBRANES AND NEW INSULATION. THE NEW ROOFING MEMBRANES INTO EXISTING ROOFING MEMBRANES AND MAKE WATER TIGHT. ALIGN NEW ROOF MEMBRANES WITH EXISTING. SECURE NEW INSULATION IN PLACE.
- NEW GALVANIZED STEEL POST, REFER TO STRUCTURAL.
- SLOPE TOP OF CURB TO SHED WATER AWAY FROM NEW DUCT.
- EXTEND NEW ROOF MEMBRANES UP AND SEAL TO STEEL POST.
- NEW PRESSURE-TREATED PLYWOOD AND WOOD BLOCKING. SLOPE TOP OF WOOD BLOCKING.
- CONTINUOUS SEAL.
- NEW PRE-FINISHED METAL FLASHING AND COLLAR STRAP.
- STEEL PLATE. REFER TO STRUCTURAL.
- INTEGRATE THE NEW ROOFING MEMBRANES WITH EXISTING ROOF MEMBRANES AND PROVIDE A WATERTIGHT SEAL.
- NEW ROOFING CONSTRUCTION INFILL CONSISTING OF NEW TWO PLY ROOF MEMBRANES, PROTECTION BOARD, RIGID INSULATION (MATCH EXISTING INSULATION THICKNESS) AND VAPOUR RETARDER MEMBRANE. SECURE THE NEW INSULATION IN PLACE.
- NEW DUCT, REFER TO MECHANICAL.
- REMOVE EXISTING CONCRETE ROOF SLAB TO FACILITATE THE NEW MECHANICAL DUCT. REFER TO MECHANICAL AND STRUCTURAL.
- NEW STEEL ANGLE SUPPORT AROUND NEW ROOF SLAB OPENING. REFER TO STRUCTURAL.
- NEW GALVANIZED STEEL CHANNEL PLATFORM FRAMING AND GRATING, REFER TO STRUCTURAL.
- NEW 250mm GALVANIZED STEEL STRINGER.
- NEW GALVANIZED STEEL BAR GRATE TREAD WITH NON-SLIP EDGE.
- 38mm DIAMETER GALVANIZED STEEL PIPE RAIL.
- 2-600 X 600 X 38MM PRECAST CONCRETE PAVER AT BOTTOM OF STAIR, PROVIDE 25MM THICK RIGID INSULATION BETWEEN NEW PAVER AND ROOF MEMBRANE.
- NEW CURB AROUND NEW MECHANICAL DUCT, NEW 2 PLY ROOFING MEMBRANE COUNTER FLASHING, 13MM PLYWOOD ON EACH SIDE OF 38x90MM WOOD FRAMING AT 400MM O.C. ASSEMBLE FRAMING MEMBERS WITH SCREW FASTENERS AND SECURE SILL PLATE TO ROOF DECK WITH 9MM DIAMETER SELF TAPPING FASTENER AT 400MM O.C. FILL STUD SPACE OF CURB WITH SEMI-RIGID INSULATION.
- GALVANIZED PLATE AND GALVANIZED BOLTED CONNECTION BETWEEN STAIR AND PLATFORM.
- CAP ENDS OF STRINGER.
- PROVIDE HANDRAIL EXTENSION.
- ALL RISERS TO BE EQUAL DIMENSION.
- CLIP NEW METAL FLASHING IN PLACE.

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kwc

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DETAILS

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S. SIDONS

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conçu par

M. MARTIGNAGO

approved by
approuvé par

M. MARTIGNAGO

tender
soumission

SIMON LEE

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