PACKAGE A:
THIS PACKAGE CONTAINS A SECURITY REQUIREMENT

LIST OF DRAWINGS - LISTE DES DESSINS

100 SITING / EMPLACEMENT

200 STRUCTURAL / STRUCTURE

200	GENERAL NOTES
201	TYPICAL DETAILS 01
202	TYPICAL DETAILS 02
203	TYPICAL DETAILS 03
204	TYPICAL DETAILS 04
205	ELEVATOR FRAMING PLANS 01
206	ELEVATOR FRAMING PLANS 02
207	ELEVATOR FRAMING PLANS 03
208	FOUNDATION DETAILS
209	BUILDING SECTIONS
210	SECTIONS AND DETAILS 01
211	SECTIONS AND DETAILS 02
212	DEMOLITION PLANS 01
213	DEMOLITION PLANS 02
214	DEMOLITION DETAILS 01

300 ARCHITECTURAL / ARCHITECTURE

300	GENERAL NOTES, ABBREVIATIONS AND ASSEMBLIES LEGEND
301	DEMOLITION PLANS
302	CODE MATRIX & LIFE SAFETY DIAGRAMS
303	OVERALL GROUND FLOOR PLAN
304	OVERALL FIRST FLORR PLAN
305	OVERALL SECOND FLOOR PLAN
306	OVERALL THIRD FLOOR PLAN
307	OVERALL ROOF PLAN
308	ENLARGED PLAN BASEMENT & GROUND FLOOR
309	ENLARGED FIRST FLOOR PLAN
310	ENLARGED SECOND FLOOR PLAN
311	ENLARGED THIRD FLOOR PLAN
312	BUILDING SECTIONS & DETAILS
313	ENTRANCE RAMP ENLARGED PLAN, SECTION & DETAILS
314	GLAZING ELEVATIONS, DOOR ELEVATIONS, AND DOOR SCHEDULE
315	FINISHES PLAN
316	IMPLEMENTATION PLAN-GROUND FLOOR & BASEMENT - PH.2
317	IMPLEMENTATION PLAN - FIRST FLOOR - PH.1
318	IMPLEMENTATION PLAN - SECOND FLOOR - PH.1
319	IMPLEMENTATION PLAN - SECOND FLOOR - PH.2
320	IMPLEMENTATION PLAN - THRID FLOOR - PH.1 &4

400 MECHANICAL / MÉCANIQUE

400	LEGEND SCHEDULE AND DRAWING LIST
401	TYPICAL DETAILS SHEET 1
402	OVERALL BASEMENT GROUND FLOOR PLAN - PLUMBING
403	OVERAL BASEMENT GROUND FLOOR PLAN - HVAC
404	OVERALL FIRST FLOOR PLAN - HVAC
405	OVERALL SECOND FLOOR - HVAC
406	OVERALL THIRD FLOOR PLAN - HVAC
407	OVERALL ROOF PLAN
408	PART PLAN - BASEMENT GROUND FLOOR - PLUMBING
409	PART PLAN - BASEMENT GROUND FLOOR - HVAC
410	PART PLAN - FIRST, SECOND, THIRD, AND ROOF - HVAC

500 ELECTRICAL / ÉLECTRIQUE

501	DRAWING LIST & LEGENDS
502	ELECTRICAL DETAILS
503	ELECTRICAL DETAILS
504	GROUND FLOOR ELECTRICAL RENOVATION PLAN
505	FIRST FLOOR ELECTRICAL RENOVATION PLAN
506	SECOND FLOOR ELECTRICAL RENOVATION PLAN
507	THIRD FLOOR ELECTRICAL RENOVATION PLAN
508	ELECTRICAL AND PANEL DETAILS
509	ELECTRICAL SCHEDULES
510	GROUND FLOOR ELECTRICAL DEMOLITION PLAN
511	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
512	SECOND FLOOR ELECTRICAL DEMOLITION PLAN
513	THIRD FLOOR ELECTRICAL DEOMLITION PLAN

600 CIVIL / CIVIL

700 COMMUNICATION / COMMUNICATION

800 SECURITY / SÉCURITÉ

900 INTERIOR DESIGN / CONCEPTION INTÉRIEUR

DATE: 23 June 2026

DCC NO. - CDC NO.: KN229958

PROJECT NO. - PROJET NO.: OK-000018 & OK-000019

JOB NO.: K-K74-7701/35

LAUSCH, LINDA 100 — Digitally signed by LAUSCH, LINDA 100, Date: 2026.06.23 11:30:41 -04'00' — Linda Lausch, Project Manager

ST JOHN, STEVEN 376 — Digitally signed by ST JOHN, STEVEN 376, Date: 2026.06.23 12:26:27 -04'00' — Steve St. John, Chief Fire Inspector

SANTOS, FERNANDO 989 — Digitally signed by SANTOS, FERNANDO 989, Date: 2026.06.23 14:37:01 -04'00' — Fernando Santos, Engineering Officer

R13 Elevator Replacement and Barrier Free Upgrades

R13 Massey Hall,
Address | Adresse
7 Valour Drive, Royal Military College, CFB Kingston, Kingston
City | Ville
Ontario
Province | Province

Canada

UNCLASSIFIED - NON CLASSIFIÉ

Government of Canada / Gouvernement du Canada

0 50 100 200 250 300mm

SET NO. - SÉRIE NO.

DATE
2026-03-23

DCC NO. - CDC NO.
500621770 & 110593

WBS NO.
WBS # (6.3.5.)

PF NO.
500621770 & 110593

JOB NO.
K-K74-7701/35

Canada

BORDER LAST UPDATED 2016-08-20

Kingston, Ontario

ISSUED FOR TENDER SUBMISSION

R13 Elevator Replacement & Barrier Free Upgrades

Government of Canada Gouvernement du Canada

2026.03.23 10:05:16 AM - Autodesk Docs://DND Massey Hall Elevator Upgrade/DND-0723-5003_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt

ARCHITECTURAL SHEET LIST

SHEET NO.	SHEET NAME
000	COVER SHEET
300	GENERAL NOTES, ABBREVIATIONS AND ASSEMBLIES LEGEND
301	DEMOLITION PLANS
302	CODE MATRIX & LIFE SAFETY DIAGRAMS
303	OVERALL GROUND FLOOR PLAN
304	OVERALL FIRST FLOOR PLAN
305	OVERALL SECOND FLOOR PLAN
306	OVERALL THIRD FLOOR PLAN
307	OVERALL ROOF PLAN
308	ENLARGED PLAN BASEMENT & GROUND FLOOR
309	ENLARGED FIRST FLOOR PLAN
310	ENLARGED SECOND FLOOR PLAN
311	ENLARGED THIRD FLOOR PLAN
312	BUILDING SECTIONS & DETAILS
313	ENTRANCE RAMP ENLARGED PLAN, SECTION & DETAILS
314	GLAZING ELEVATIONS, DOOR ELEVATIONS AND DOOR SCHEDULE
315	FINISHES PLANS
316	IMPLEMENTATION PLAN - GROUND FLOOR & BASEMENT - PH.2
317	IMPLEMENTATION PLAN - FIRST FLOOR - PH.1
318	IMPLEMENTATION PLAN - SECOND FLOOR - PH.1
319	IMPLEMENTATION PLAN -SECOND FLOOR - PH.3
320	IMPLEMENTATION PLAN - THIRD FLOOR - PH. 1 & 4

STRUCTURAL SHEET LIST

SHEET NO.	SHEET NAME
200	GENERAL NOTES
201	TYPICAL DETAILS 01
202	TYPICAL DETAILS 02
203	TYPICAL DETAILS 03
204	TYPICAL DETAILS 04
205	ELEVATOR FRAMING PLANS 01
206	ELEVATOR FRAMING PLANS 02
207	ELEVATOR FRAMING PLANS 03
208	FOUNDATION DETAILS
209	BUILDING SECTIONS
210	SECTIONS AND DETAILS 01
211	SECTIONS AND DETAILS 02
212	DEMOLITION PLANS 01
213	DEMOLITION PLANS 02
214	DEMOLITION DETAILS 01

MECHANICAL SHEET LIST

SHEET NO.	SHEET NAME
400	LEGEND SCHEDULE AND DRAWING LIST
401	TYPICAL DETAILS SHEET 1
402	OVERALL BASEMENT GROUND FLOOR PLAN - PLUMBING
403	OVERALL BASEMENT GROUND FLOOR PLAN - HVAC
404	OVERALL FIRST FLOOR PLAN - HVAC
405	OVERALL SECOND FLOOR - HVAC
406	OVERALL THIRD FLOOR PLAN - HVAC
407	OVERALL ROOF PLAN
408	PART PLAN - BASEMENT GROUND FLOOR - PLUMBING
409	PART PLAN - BASEMENT GROUND FLOOR - HVAC
410	PART PLAN - FIRST, SECOND, THIRD, AND ROOF - HVAC

ELECTRICAL SHEET LIST

SHEET NO.	SHEET NAME
501	DRAWING LIST & LEGENDS
502	ELECTRICAL DETAILS
503	ELECTRICAL DETAILS
504	GROUND FLOOR ELECTRICAL RENOVATION PLAN
505	FIRST FLOOR ELECTRICAL RENOVATION PLAN
506	SECOND FLOOR ELECTRICAL RENOVATION PLAN
507	THIRD FLOOR ELECTRICAL RENOVATION PLAN
508	ELECTRICAL AND PANEL DETAILS
509	ELECTRICAL SCHEDULES
510	GROUND FLOOR ELECTRICAL DEMOLITION PLAN
511	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
512	SECOND FLOOR ELECTRICAL DEMOLITION PLAN
513	THIRD FLOOR ELECTRICAL DEMOLITION PLAN

0 50 100 200 250 300mm

GENERAL NOTES

GENERAL

1. WHERE CODES AND STANDARDS ARE REFERENCED IN THE GENERAL NOTES, THEY SHALL BE THE LATEST EDITIONS, UNLESS OTHERWISE NOTED OR SHOWN.
2. READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH SEPARATELY BOUND SPECIFICATIONS AND ALL OTHER CONTRACT DOCUMENTS. WHERE DISCREPANCY IS FOUND BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS, COMPLY WITH THE MORE STRINGENT REQUIREMENT.
3. BEFORE PROCEEDING WITH WORK, CHECK ALL THE DIMENSIONS SHOWN ON STRUCTURAL DRAWINGS AGAINST ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND EXISTING SITE CONDITIONS. REPORT INCONSISTENCIES TO DCC REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
4. CHECK AND VERIFY IN THE FIELD ALL SIZES AND DIMENSIONS INVOLVING THE EXISTING OR CONSTRUCTED STRUCTURE AND COORDINATE WITH NEW CONSTRUCTION.
5. VERIFY AND OBTAIN PRIOR APPROVAL OF DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, SLOTS, TRENCHES AND ELECTRICAL FLOOR DUCTS AS REQUIRED BY OTHER TRADES.
6. NO OPENINGS OTHER THAN THOSE SHOWN ON THE DRAWINGS SHALL BE MADE THROUGH SLABS, BEAMS OR BEARING WALLS, UNLESS PRIOR APPROVAL IS OBTAINED FROM THE DCC REPRESENTATIVE.
7. DO NOT EXCEED DURING CONSTRUCTION, GRAVITY LOADS SHOWN ON PLANS, REDUCED AS NECESSARY UNTIL MATERIALS REACH DESIGN STRENGTH.
8. ALL COLUMNS, PIERS AND FOOTINGS ARE CENTERED ON GRID LINES UNLESS OTHERWISE NOTED.
9. DATUM ELEVATION 0.00 = GEODETIC ELEVATION VARIES WITH EACH BUILDING, REFER TO ARCHITECTURAL DRAWINGS.
10. DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE. ELEVATIONS ARE IN METERS UNLESS NOTED OTHERWISE.
11. DO NOT USE THESE DRAWINGS FOR CONSTRUCTION UNLESS AN "ISSUED FOR CONSTRUCTION" REVISION IS INDICATED.
12. SCALES NOTED ON DRAWINGS ARE FOR GENERAL INFORMATION ONLY. DO NOT SCALE DRAWINGS.
13. TYPICAL STRUCTURAL DETAILS SHOWN IN DRAWING SERIES S100 SHALL GOVERN THE WORK. IF DETAILS DIFFER ON OTHER DRAWINGS, THE MOST STRINGENT GOVERNS. TYPICAL DETAILS SHOW STRUCTURAL INTENT AND MAY NOT MATCH PROJECT SPECIFICS.
14. UNIT FLOOR AND ROOF LOADINGS GIVEN ON DRAWINGS ARE UNFACTORED. MEMBER FORCES GIVEN ON DRAWINGS ARE FACTORED.
15. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIRE RATINGS AND REQUIREMENTS.
16. NO LOAD RESTRICTIONS WERE ASSUMED IN THE DESIGN FOR THE PURPOSES OF MEETING SPECIFIC ULC ASSEMBLIES. CONTRACTOR SHALL VERIFY COMPLIANCE OF SELECTED ASSEMBLIES AND APPLY NECESSARY FIRE PROOFING MATERIAL TO MEET THE SPECIFIED FIRE RATING.
17. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALL WATER PROOFING AND THERMAL INSULATION REQUIREMENTS. WHERE INFORMATION IS GIVEN BOTH IN STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR THE SAME LOCATION, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
18. DO NOT DISTURB EXISTING OR CONSTRUCTED FOUNDATIONS ADJACENT TO THE PROPOSED CONSTRUCTION. MAKE GOOD ANY DAMAGE.

CONSTRUCTION

1. THE CONTRACTOR SHALL PROPOSE A FULL METHODOLOGY FOR EXECUTING THE WORK.
2. THE CONTRACTOR SHALL DEMONSTRATE THE STABILITY AND SAFETY OF ALL ELEMENTS OF THE BUILDING DURING EVERY STAGE OF CONSTRUCTION.

DESIGN

1. DESIGN IS BASED ON THE NATIONAL BUILDING CODE 2020.
2. SPECIFIED LIVE LOADS ARE NOTED ON THE PLANS.
3. GROUND SNOW LOAD: Ss = 2.1 kPa, Sr = 0.4 kPa, Is = 1.00, S = 2.08 kPa
4. HOURLY WIND PRESSURE: 1/10 = 0.37 kPa; 1/50 = 0.47 kPa
5. LATERAL FORCES ARE RESISTED BY CONCRETE SHEAR WALLS AND/OR REINFORCED MASONRY WALLS AND BRACED FRAMES.

CONCRETE

1. ALL CONCRETE MEMBERS ARE DESIGNED IN ACCORDANCE WITH CAN/CSA-A23.3-04 (R2010), "DESIGN OF CONCRETE STRUCTURES FOR BUILDING".
2. CONCRETE MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO CSA-A23.1-09/A23.2-09.
3. REFER TO DRAWINGS AND SPECIFICATIONS FOR STRENGTH OF CONCRETE REQUIRE FOR VARIOUS LOCATIONS. BUT IN ALL CASES THE MINIMUM 28 DAY COMPRESSIVE STRENGTH SHALL NOT BE LESS THAN THE FOLLOWING:

   CONCRETE EXPOSED TO WEATHER AND/OR DE-ICING CHEMICALS;
   SIDEWALKS WITHOUT REINFORCING CLASS C2 ..... 32 MPa

   NON-STRUCTURAL SLABS ON GRADE NOT EXPOSED TO WEATHER, TOPPINGS,
   EQUIPMENT BASES, CURBS FOR MECHANICAL EQUIPMENT ..... 25 MPa

   SKIM SLAB, CONCRETE BACKFILLING PURPOSES CONCRETE ENCASING
   OR BEDDING OF PIPES ..... 15 MPa
4. REINFORCEMENT: CONFORM TO CSA-G30.18-21 SERIES, fy = 400 MPa FOR ALL CONCRETE REINFORCEMENT EXCEPT fy = 440 MPa FOR WELDED WIRE FABRIC. PROVIDE WELDED WIRE FABRIC IN FLAT SHEETS ONLY. ALL REINFORCEMENT IS TO BE 'BLACK'.
5. REINFORCING BAR AREAS ARE 100, 200, 300, 500, 700, 1000, 1500 AND 2500 sq. mm FOR BAR DESIGNATIONS 10, 15, 20, 25, 30, 35, 45 AND 55, RESPECTIVELY.
6. ANCHOR RODS: CONFORM TO CAN/CSA-G40.21, GRADE 260W, WELDABLE, UNLESS OTHERWISE NOTED OR SHOWN.
7. STRUCTURAL BOLTS, NUTS AND WASHERS: CONFORM TO ASTM F3125 GRADE A325M.
8. ALL WELDED WIRE FABRIC SHALL BE IN FLAT SHEETS, CONFORMING TO ASTM A185/A185M-07.
9. IN NO CASE SHALL HORIZONTAL JOINTS IN CONCRETE WALLS BE LOCATED ANYWHERE OTHER THAN AT SUPPORTS.
10. NON-SHRINK GROUT: COMPRESSIVE STRENGTH
    MISCELLANEOUS USE ..... 35 MPa @ 28 DAYS
11. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF CURBS AND PADS. REINFORCE AS PER TYPICAL DETAILS UNLESS OTHERWISE NOTED.

MASONRY

1. MASONRY BEARING WALLS, PIER AND COLUMNS ARE DESIGNED IN ACCORDANCE WITH CSA S304-14 (R2019), "MASONRY DESIGN FOR BUILDINGS", LIMITED STATES DESIGN.
2. MASONRY MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO CSA S304-14 (R2019).
3. REFER TO DRAWINGS AND SPECIFICATIONS FOR STRENGTH OF MASONRY UNITS REQUIRED FOR VARIOUS LOCATIONS, BUT IN ALL CASES THE STRENGTH SHALL NOT BE LESS THAN THE FOLLOWING, BASED ON NET AREA:
   HOLLOW CONCRETE BLOCK ..... 15.0 MPa
   HOLLOW CONCRETE BLOCK, GROUTED & SOLID ..... 15.0 MPa
4. MORTAR - TYPE "S"
5. REINFORCING STEEL BARS SHALL CONFORM TO CSA G30.18-21, GRADE 400.
6. UNLESS OTHERWISE NOTED, PROVIDE 1-15M VERTICAL HEIGHT AT:
   a. UNSUPPORTED ENDS OF WALLS
   b. EACH SIDE OF DOORS AND OTHER OPENINGS
   c. IN EACH CELL OF ALL PIERS AND PILASTERS

   ALL VERTICAL REINFORCING SHALL BE CONTINUED TO WITHIN 50mm (2") OF THE TOP OF WALL.

MATERIALS

1. SEE SPECIFICATIONS FOR CLASS OF CONCRETE AND OTHER REQUIREMENTS.
   CONCRETE EXPOSED TO WEATHER AND/OR DE-ICING CHEMICALS;

CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS	
SIDEWALKS WITHOUT REINFORCING CLASS C2	32 MPa
MASONRY GROUT: PEA GRAVEL MIX 200 mm SLUMP	25 MPa
SEMI-LOW DENSITY CONCRETE ON STEEL DECK (2000 kg/m³)	25 MPa
CAISSONS, COLUMNS	35 MPa
SUSPENDED SLABS	35 MPa
ALL OTHER CONCRETE	35 MPa
SLAB ON GRADE	30 MPa
BASEMENT WALLS	35 MPa

MATERIALS CONT.

2. STRUCTURAL STEEL:

   - STRUCTURAL WIDE FLANGES AND WELDED WIDE FLANGE SHAPES (W, WWF) TO CONFORM TO CSA/CAN-G40.20/G40.21 GRADE 350W.
   - CHANNELS AND ANGLES (C, L) CSA/CAN-G40.20/G40.21 GRADE 300W.
   - ALL PLATE AND PLATE FABRICATED MEMBERS TO CONFORM TO CSA/CAN-G40.20/G40.21 GRADE 300W.
   - HOLLOW STRUCTURAL SECTIONS (HSS) TO CONFORM TO CSA/CAN-G40.20/G40.21 CLASS C OR H GRADE 350W UNLESS NOTED OTHERWISE.

FORMWORK

1. FORMWORK SHALL CONFORM TO THE REQUIREMENTS OF CSA S269.1 AND ACI 347 AND ACI SP-004.
2. FORMWORK SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER OF THE PROVINCE OF ONTARIO TO WITHSTAND ALL SUPERIMPOSED LOADS DURING CONSTRUCTION.
3. SHORING, RE-SHORING AND CONSTRUCTION LOADS SHALL BE CONTROLLED TO ENSURE THAT NO STRUCTURAL ELEMENT IS OVERSTRESSED.
4. MAKE NECESSARY ALLOWANCE FOR FORMWORK CREEP AND DEFLECTION AND ADJUST ACCORDINGLY TO ACHIEVE THE ELEVATION FOR THE COMPLETION OF THE JOB.
5. CONSTRUCTION JOINTS SHALL BE MADE AND LOCATED AND SO AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE.
6. IF CONSTRUCTION JOINTS ARE NOT SPECIFICALLY LOCATED AND THERE IS ANY DOUBT OR DISCREPANCY REGARDING THE LOCATION, THE CONTRACTOR SHALL INFORM AND OBTAIN APPROVAL OF THE DCC REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
7. INDICATE THE CONSTRUCTION JOINTS AND POURING SEQUENCES FOR THE REVIEW OF THE DCC REPRESENTATIVE PRIOR TO PLACING OF CONCRETE.
8. THE CONTRACTOR SHALL MAKE NECESSARY ALLOWANCE FOR ANY VARIATION AND/OR ANY REVISIONS MADE ON ACCOUNT OF SUB-TRADES AND PRODUCT SELECTION FOR THE COMPLETION OF THE PROJECT.

EXISTING CONSTRUCTION

1. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS.
2. NOTED DIMENSIONS AND CONDITIONS OF EXISTING BUILDINGS AND OTHER STRUCTURES ARE SHOWN BASED ON THE ORIGINAL DRAWINGS OR PARTIAL SURVEY INDICATED BELOW AND HAVE NOT BEEN COMPLETELY FIELD VERIFIED. DCC AND ARCHITECT/ENGINEER TAKE NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING DIMENSIONS SHOWN. FIELD MEASURE EXISTING DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO DCC REPRESENTATIVE IN WRITING.
3. THE DCC REPRESENTATIVE'S UNDERSTANDING OF THE EXISTING CONSTRUCTION IS BASED UPON AS-BUILT DRAWINGS L-K74-7701, 201-210, 601 DATED FEB 28, 1958 AS ISSUED BY DEPARTMENT OF NATIONAL DEFENSE (ARMY), DIRECTORATE OF WORKS.
4. VERIFY CONDITIONS COVERING OR AFFECTING THE WORK; OBTAIN AND VERIFY ALL DIMENSIONS AND ELEVATIONS TO ENSURE THE PROPER STRENGTH, FIT AND LOCATION OF THE WORK; REPORT TO THE DCC REPRESENTATIVE ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE NEW WORK. FULLY RESOLVE ALL DISCREPANCIES PRIOR TO COMMENCING WORK.
5. EXISTING CONSTRUCTION NOT UNDERGOING ALTERATION IS TO REMAIN UNDISTURBED. WHERE SUCH CONSTRUCTION IS DISTURBED AS A RESULT OF THE OPERATIONS OF THIS CONTRACT, REPAIR OR REPLACE AS REQUIRED AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
6. VERIFY THE EXISTENCE, LOCATION AND ELEVATION OF EXISTING UTILITIES, SEWERS, DRAINS, ETC. IN DEMOLITION AREAS BEFORE PROCEEDING WITH THE WORK. ALL DISCREPANCIES SHALL BE DOCUMENTED AND REPORTED TO THE DCC REPRESENTATIVE.
7. SHOULD UNCHARTED OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT THE OWNER'S REPRESENTATIVE FOR DIRECTION. PROVIDE FIRE WATCH DURING THE FIELD CUTTING AND WELDING OPERATIONS IN ACCORDANCE WITH SECTION 0135 35 DND FIRE SAFETY REQUIREMENTS.
8. PROVIDE FIRE WATCH DURING FIELD CUTTING AND WELDING OPERATIONS, IN ACCORDANCE WITH SECTION 01 35 35 DND FIRE SAFETY REQUIREMENTS.
9. PROVIDE TEMPORARY PROTECTION OF EXISTING EQUIPMENT DURING EXECUTION OF THE WORK, SATISFYING THE OWNER'S REQUIREMENTS.
10. COORDINATE WORK WITH THE OWNER'S PERSONNEL TO AVOID ANY INTERFERENCE IN THEIR OPERATIONS.

DESIGN AND ERECTION OF TEMPORARY WORK

1. STRUCTURAL DRAWINGS DO NOT NECESSARILY INDICATE THE FULL EXTENT OF TEMPORARY WORKS REQUIRED TO COMPLETE THE PROJECT.
2. DESIGN OF TEMPORARY WORKS, INCLUDING DEMOLITION, SHORING, AND UNDERPINNING SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER LICENSED IN ONTARIO WITH DEMONSTRATED EXPERIENCE IN SIMILAR SIZE AND SCOPE OF TEMPORARY WORKS.
3. SUBMIT DRAWINGS AND CALCULATIONS SEALED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER SHOWING COMPLETE DESIGN INCLUDING TEMPORARY CONDITIONS, FINAL CONDITIONS AND SEQUENCE OF WORK.
4. PROTECTIVE MEASURES SHALL BE TAKEN TO ENSURE THE SAFETY OF THE TEMPORARY WORK DURING CONSTRUCTION ACTIVITIES.
5. ANCHOR RODS AND OTHER EMBEDDED ITEMS ARE DESIGNED TO RESIST THE LOADS IMPOSED BY THE STRUCTURE IN ITS COMPLETED CONDITION AND MAY NOT BE RELIED UPON TO WITHSTAND TEMPORARY CONSTRUCTION LOADS UNLESS EVALUATED AND APPROVED BY THE CONTRACTOR'S ENGINEER.

ANCHOR INSTALLATION IN EXISTING CONCRETE

1. COMPLY WITH MANUFACTURER GUIDELINES FOR ANCHOR INSTALLATION.
2. INSTALLER SHALL BE TRAINED BY ANCHOR MANUFACTURER.
3. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR ALL ADHESIVE ANCHORS AND EXPANSION ANCHORS. INSPECT AND PULL TEST EXPANSION ANCHORS AND ADHESIVE (EPOXY) ANCHORS ACCORDING TO MANUFACTURER'S WRITTEN RECOMMENDATIONS.

CONCRETE AND REINFORCEMENT

1. UNLESS OTHERWISE NOTED, ALL DOWELS SHALL HAVE A MINIMUM EMBEDMENT EQUIVALENT TO THE STRAIGHT TENSION EMBEDMENT LENGTH CORRESPONDING TO THE SIZE OF BAR. DOWELS FROM WALLS TO SLABS SHALL HAVE A MINIMUM EMBEDMENT OF 600 mm INTO WALLS AND SLABS UNLESS OTHERWISE NOTED OR SHOWN.
2. PROVIDE DOWELS SIMILAR IN NUMBER, SIZE AND SPACING TO THE VERTICAL STEEL IN THE WALL OR COLUMN ABOVE UNLESS OTHERWISE NOTED OR SHOWN.
3. TACK WELDING OF REINFORCEMENT IS NOT PERMITTED. WELDED SPLICES IN REINFORCING BARS WILL ONLY BE PERMITTED IF EXPLICITLY SHOWN ON THE STRUCTURAL DRAWINGS OR IF WRITTEN APPROVAL IS GIVEN BY THE DCC REPRESENTATIVE.
4. ALL REINFORCEMENT SHALL BE SECURELY HELD IN PROPER POSITION WHILE POURING CONCRETE. CHAIRS, TIES, SPACERS, ADDITIONAL BARS AND STIRRUPS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL REINFORCEMENT.
5. CONSTRUCTION JOINTS SHALL BE DOWELED, KEYED AND THOROUGHLY CLEANED. ALL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL CONSTRUCTION JOINT DETAILS SHOWN ON THE STRUCTURAL DRAWINGS.
6. CONSTRUCTION JOINTS:

   a) HORIZONTAL CONSTRUCTION JOINTS SHALL NOT BE MADE IN BEAMS UNLESS SHOWN OR REVIEWED AND APPROVED BY THE DCC REPRESENTATIVE.

   b) VERTICAL CONSTRUCTION JOINTS MAY BE MADE ONLY AT ONE THIRD POINT OF BEAMS OR SLABS UNLESS OTHERWISE NOTED OR SHOWN OR DIRECTED, AND THEIR LOCATION SHALL BE REVIEWED AND APPROVED BY THE DCC REPRESENTATIVE.

   c.) REFER TO SPECIFICATIONS FOR POUR LENGTH LIMITATIONS.
7. PROVIDE WATERSTOPS AT ALL CONSTRUCTION JOINTS IN ELEMENTS RETAINING EARTH OR EXPOSED TO WEATHER.
8. OPENINGS, SLEEVES, EMBEDDED DUCTS:
   |NO OPENINGS, SLEEVES OR EMBEDDED DUCTS OTHER THAN THOSE SHOWN ON THE DRAWINGS SHALL BE MADE/PLACED THROUGH SLABS, BEAMS OR BEARING WALLS, UNLESS PRIOR APPROVAL IS OBTAINED FROM THE DCC REPRESENTATIVE.
9. MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 150 mm (6") OR ONE FULL MESH, WHICHEVER IS GREATER.
10. COORDINATE AND INSTALL ALL REQUIRED EMBEDDED ITEMS, INSERTS, SLEEVES, POCKETS, ETC. AS REQUIRED PRIOR TO PLACEMENT OF CONCRETE.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL MEMBERS ARE DESIGNED IN ACCORDANCE WITH CAN/CSA S16.19, "DESIGN OF STEEL STRUCTURES",
2. STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA G40.20-13 (R2023) / G40.21-13 (R2023) GRADE 350W.
3. IF DENOTES A FULL STRENGTH BEAM/COLUMN CONNECTION.
4. ALL STEEL EXPOSED TO THE ENVIRONMENT (LINTELS, EQUIPMENT SUPPORT FRAMES ETC.) SHALL BE HOT-DIP GALVANIZED.
5. PROVIDE MINIMUM BEARING OF 200 mm FOR ALL STEEL BEAMS BEARING ON CONCRETE AND A MINIMUM OF 100 mm ON STRUCTURAL STEEL, UNLESS OTHERWISE NOTED ON PLAN.
6. CENTER BEARING PLATES UNDER BEAMS UNLESS OTHERWISE NOTED OR SHOWN.
7. BEARING PLATE DIMENSION GIVEN FIRST INDICATES SIDE PARALLEL TO BEAM WEB.
8. NO STRUCTURAL STEEL SHALL BE CUT IN THE FIELD UNLESS REVIEWED AND APPROVED BY THE DCC REPRESENTATIVE.
9. ALL WELDS EXPOSED TO VIEW SHALL BE GROUND SMOOTH EXCEPT AS NOTED IN THE SPECIFICATIONS.
10. REFER TO TYPICAL DETAIL TD-1 FOR ABBREVIATIONS USED FOR THE CONNECTION FORCES GIVEN ON THE DRAWINGS. FORCES INDICATED ARE FACTORED LOADS UNLESS OTHERWISE NOTED OR SHOWN. SUBSCRIPTS D, L, W AND Q REFER TO UNFACTORED DEAD, LIVE, WIND AND EARTHQUAKE LOADS, RESPECTIVELY.
11. WHERE MOMENT CONNECTIONS ARE CALLED FOR BUT VALUES ARE NOT INDICATED, DESIGN CONNECTIONS FOR FULL MOMENT CAPACITY OF THE SMALLER MEMBER JOINED.
12. SPLICES SHALL BE DESIGNED TO DEVELOP THE FULL CAPACITY OF THE MEMBER AT THE POINT OF THE SPLICE. MEMBERS SHALL NOT BE SPLICED AT POINTS OF MAXIMUM STRESS. NO SPLICES SHALL BE MADE UNLESS SHOWN ON THE DRAWINGS OR REVIEWED AND APPROVED BY THE DCC REPRESENTATIVE.
13. PROVIDE ALL ANCHOR BOLTS, CAST-IN PLATES WITH STUDS AND DRILLED ANCHORS REQUIRED TO CONNECT STRUCTURAL STEEL TO CAST-IN-PLACE CONCRETE.
14. INSTALL L76x76x7.9 mm (L3x3x5/16") SEATS FOR STEEL DECK AT CONNECTIONS, AT COLUMNS OR OTHER IRREGULARITIES, TO PROVIDE SUPPORT TO THE RIBS OF THE DECK.
15. BOLT HOLES IN STEEL SHALL BE 3 mm (1/8") LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED. PROVIDE NOT LESS THAN 2-M20 A325 BOLTS IN ANY BOLTED CONNECTION.
16. ALL WELDS SHALL CONFORM TO CSA W59-13 AND ALL WELDERS SHALL BE CERTIFIED IN CONFORMANCE WITH CSA W47.1-09.
17. ALL STEEL EXPOSED TO THE EXTERIOR ENVIRONMENT SHALL BE HOT-DIP GALVANIZED UNLESS OTHERWISE NOTED.
18. FIRE RATED STRUCTURAL STEEL MEMBERS SHALL BE FIREPROOFED IN ACCORDANCE WITH REQUIREMENTS SHOWN ON ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

FOUNDATIONS

1. REFER TO WSP CANADA INC. DRAFT REPORT "GEOTECHNICAL INVESTIGATION, MASSEY LIBRARY RETROFIT - RMC KINGSTON, ON" CA0036719.6922 - REV 0 DATED SEPTEMBER 17, 2024.
2. WHERE FOOTINGS BEAR ON ROCK, PROTECT THE BEARING SURFACE WITH A 65mm MUD SLAB WITHIN MAXIMUM 7 DAYS OF EXPOSURE. OBTAIN DCC REPRESENTATIVE (GEOTECHNICAL) APPROVAL PRIOR TO MUD SLAB PLACEMENT.
3. CARRY EXTERIOR FOOTINGS DOWN TO BELOW FROST DEPTH OF 1500 mm FROM FINISHED EXTERIOR GRADE. PROTECT FOOTINGS EXPOSED TO FROST DURING CONSTRUCTION WITH 600 mm OF EARTH OR ITS EQUIVALENT TO PREVENT FREEZING OF SOIL UNDER FOOTINGS.
4. DO NOT EXCEED A RISE OF 7 IN A RUN OF 10 IN THE LINE OF SLOPE BETWEEN ADJACENT EXCAVATIONS EXCEPT IN BEDROCK AND AS EXPLICITLY SHOWN ON DRAWINGS. MAXIMUM STEP 600 mm APPROXIMATELY.
5. INSULATION IS SHOWN WHERE REQUIRED FOR PROTECTION OF THE FOUNDATIONS FROM DAMAGE DUE TO FROST ACTION ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR FOUNDATION INSULATION NOT SHOWN ON THE STRUCTURAL DRAWINGS.
6. DO NOT PLACE BACKFILL AGAINST WALLS RETAINING EARTH (OTHER THAN CANTILEVER WALLS) UNTIL THE WALLS AND THE FLOOR CONSTRUCTIONS AT TOP AND BOTTOM OF THE WALLS HAVE BEEN CAST AND ATTAINED 100% OF THEIR DESIGN STRENGTH.
7. WHERE BACKFILL IS PLACED ON EACH SIDE OF FOUNDATION WALLS, DO NOT EXCEED A GRADE DIFFERENCE OF 600 mm.
8. CONTRACTOR TO PROVIDE ALL NECESSARY TEMPORARY BRACING OF NEW CONSTRUCTION AND MEASURES TO PREVENT DAMAGE TO THE STRUCTURE BY HEAVY EQUIPMENT. USE LIGHT, HAND-OPERATED COMPACTING EQUIPMENT TO COMPACT BACKFILL ADJACENT TO FOUNDATION WALLS OR RETAINING WALLS.
9. IT IS THE RESPONSIBILITY OF CONTRACTOR TO VERIFY THE GEOTECHNICAL INFORMATION, TO OBTAIN OWN DATA, AND POINT DISCREPANCIES TO THE DCC REPRESENTATIVE WHERE THEY OCCUR.
10. ALL SHOP DRAWINGS FOR DESIGN OF SHORING SYSTEM MUST BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER.
11. ALL EXCAVATIONS MUST BE DRAINED AND FREE OF WATER AT ALL TIMES, UNLESS OTHERWISE INSTRUCTED BY THE DCC REPRESENTATIVE (GEOTECHNICAL).
12. ALL CONCRETE ELEMENTS ARE DESIGNED TO BE CAST AGAINST FORMWORK. IF ELEMENTS ARE TO BE CAST AGAINST EARTH FORMS, RECEIVE DCC REPRESENTATIVE'S APPROVAL AND INCREASE SIZE OF ELEMENTS TO OBTAIN 76 CONCRETE COVER.

SLAB ON GRADE

1. UNDERSLAB FILL SHALL CONSIST OF A MINIMUM OF 200mm OF GRANULAR B MATERIAL COMPACTED TO 98% STANDARD PROCTOR MAXIMUM DRY DENSITY UNLESS NOTED OTHERWISE ON DRAWINGS.
2. PLACE SLABS-ON-GRADE ON MATERIAL CAPABLE OF SUSTAINING 25 kPa SURCHARGE WITH NEGLIGIBLE SETTLEMENT RELATIVE TO THE BUILDING FOUNDATIONS.
3. FOUND ELEVATOR PIT SLABS ON NATURALLY CONSOLIDATED UNDISTURBED SOIL CAPABLE OF SAFELY SUSTAINING AN UNFACTORED BEARING PRESSURE OF 200 kPa. IF THESE CONDITIONS DO NOT PREVAIL AT THE ELEVATIONS SHOWN, ADVISE THE DCC REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.

TESTING AND INSPECTION

1. THE CONTRACTOR SHALL ARRANGE FOR THE FOLLOWING ITEMS TO BE INSPECTED AND/OR TESTED BY AN INDEPENDENT THIRD-PARTY INSPECTION/TESTING AGENCY ACCEPTABLE TO THE OWNER AND THE DCC REPRESENTATIVE. COPIES OF ALL TEST REPORTS SHALL BE FORWARDED TO THE OWNER AND DCC REPRESENTATIVE ON THE SAME DAYS TESTS ARE MADE. THE ITEMS TO BE TESTED SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING.
2. GEOTECHNICAL:
   PERFORM ALL TESTING AND INSPECTION (COMPACTION, SUBGRADE PREPARATION ETC.) AS PER THE REQUIREMENTS OF THE DRAWINGS AND THE GEOTECHNICAL REPORT AS AN ANNEX.
3. CONCRETE:
   CONCRETE TO BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF CSA A23.1 AND A23.2, INCLUDING THE REQUIREMENTS FOR AIR, SLUMP AND AGE PRIOR TO BEING USED. CONTRACTOR TO MAINTAIN RECORDS OF POUR DATES, TESTING PERFORMED, CLASS OF CONCRETE USED AND TEST RESULTS FOR ALL ITEMS POURED. RESULTS OF CYLINDER STRENGTH TESTING TO BE SENT TO OWNER AND DCC REPRESENTATIVE. ALL MIX DESIGNS TO BE REVIEWED AND APPROVED BY TESTING AGENCY.
4. MASONRY:
   SAMPLE AND TEST JOB-MIXED GROUT IN ACCORDANCE WITH CSA A179 AND CSA S304.1. TEST FREQUENCY TO BE IN ACCORDANCE WITH S304.1. CONTRACTOR TO SUBMIT LABORATORY TEST REPORTS OF MANUFACTURER FOR CONCRETE MASONRY UNITS.
5. STRUCTURAL STEEL AND STEEL DECK:
   PERFORM VISUAL INSPECTION OF ALL WELDS, TORQUE TESTING OF BOLTED CONNECTIONS AND CHECK ON BEARING, PLUMBNESS, ALIGNMENT AND PAINTING. BASIS OF INSPECTION SHALL BE FINAL REVIEWED SHOP DRAWINGS. PERFORM NON-DESTRUCTIVE TESTING OF WELDS WHERE RESULTS OF VISUAL INSPECTION ARE NOT ACCEPTABLE OR INCONCLUSIVE.
6. REINFORCING STEEL:
   INSPECTION OF REBAR PLACEMENT, SIZES AND CONFORMANCE WITH REVIEWED SHOP DRAWINGS SHALL BE MADE BY AN INSPECTION AGENCY. CONTRACTOR

DEMOLITION

1. THE CONTRACTOR IS REQUIRED TO PROVIDE ALL TEMPORARY PLATFORMS, BARRICADES, RAILINGS, SCREENING ETC. NECESSARY TO PROTECT EXISTING FACILITIES, STRUCTURES AND THE PUBLIC DURING DEMOLITION AND ERECTION OF THE NEW CONSTRUCTION AS WELL AS FOR JOB SAFETY. CONSTRUCTION AND DEMOLITION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONS TO MINIMIZE VIBRATION, NOISE, DUST AND DEBRIS IN AREAS ADJACENT TO AREAS OF DEMOLITION.
2. THE CONTRACTOR IS REQUIRED TO COORDINATE WITH THE OWNER FOR THE TEMPORARY SUSPENSION OF THE USE OF ANY FACILITY OR PORTION THEREOF, AND THE ASSOCIATED BARRICADING REQUIREMENTS WITHIN A MINIMUM OF 7 DAYS PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR IS REQUIRED TO PERFORM THEIR WORK IN A MANNER WHICH WILL NOT CONFLICT WITH ANY FACILITY OPERATION, WHICH IS TO REMAIN FUNCTIONAL DURING THE COURSE OF THE PROJECT UNTIL SUCH OPERATION IS SCHEDULED TO BE SHUTDOWN.

DEMOLITION CONT.

4. THE CONTRACTOR IS REQUIRED TO COORDINATE WITH THE DCC REPRESENTATIVE FOR THE TEMPORARY SUSPENSION OF THE USE OF ANY UTILITY SYSTEM, A MINIMUM OF 3 DAYS PRIOR TO COMMENCING WORK.
5. AT ALL LOCATIONS WHERE NEW CONSTRUCTION WILL INTERFACE WITH EXISTING ELEMENTS, CUT THROUGH EXISTING STRUCTURE IN STRAIGHT AND TRUE LINES TO ENSURE A NEAT INTERFACE.
6. AT ALL LOCATIONS WHERE THE DEMOLITION OF CONCRETE MEMBER REVEALS THE ENDS OF REINFORCING BARS EXPOSED, PROVIDE THE FOLLOWING:

   a. CHIP OF CONCRETE FROM AROUND THE STEEL TO A DEPTH OF 1".

   b. CUT OFF REINFORCING STEEL NOT LESS THAN 3/4" BELOW THE CONCRETE SURFACE.

   c. FILL THE CAVITY FLUSH WITH A HIGH MODULUS GEL EPOXY.
7. BEFORE DEMOLISHING STRUCTURAL ELEMENT, INSTALL ALL REQUIRED TEMPORARY AND/OR PERMANENT BRACING AND SUPPORTS.
8. PROVIDE TEMPORARY CLOSURE OF ALL ROOF AND OTHER OPENINGS TO PROTECT BUILDING FROM EXPOSURE TO UNDESIRABLE ELEMENTS UNTIL NEW CONSTRUCTION IS WEATHERPROOFED.
9. UPON COMPLETION OF NEW CONSTRUCTION UNDER EACH PHASE, ALL DEMOLISHED AREAS SHALL BE RESTORED TO ACCEPTABLE USAGE ACCORDING TO THE CONTRACT DOCUMENTS AS DETERMINED BY THE DEPARTMENTAL REPRESENTATIVE.
10. REMOVE COMPLETELY FROM THE SITE AND LEGALLY DISPOSE ALL DEBRIS GENERATED BY THE DEMOLITION WORK AS THE WORK PROGRESSES. STOCKPILING OF DEBRIS AND BURNING OF DEBRIS ON THE PREMISES IS STRICTLY PROHIBITED.

POST-INSTALLED ANCHORS AND DOWELS

1. UNLESS OTHERWISE NOTED, ANCHORAGE TO CONCRETE TO BE:

   WHERE ADHESIVE CONCRETE ANCHORS ARE NOTED ON DRAWINGS, PROVIDE POST-INSTALLED ANCHORING SYSTEM - CONCRETE FAST CURE ADHESIVE (PIA-CFCA) WITH ZERO CLEANING ANCHOR RODS.

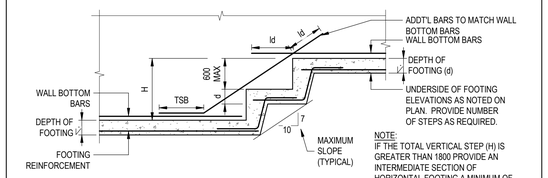
   WHERE REBAR DOWEL ARE NOTED ON DRAWINGS, PROVIDE POST INSTALLED ANCHORS - SLOW CURE EPOXY ADHESIVE ANCHORING SYSTEM INSTALLED USING AUTOMATIC BOREHOLE CLEANING WITH HOLLOW DRILL BIT VACUUM CLEANER AND ADHESIVE ANCHOR.
2. UNLESS OTHERWISE NOTED ON DRAWINGS, ANC

STRUCTURAL ABBREVIATIONS — TD-1

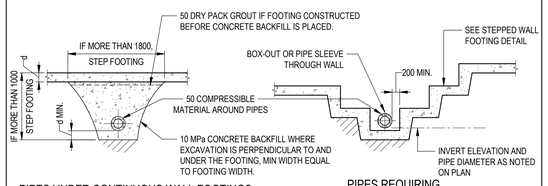
A	UNFACTORED AXIAL LOAD
ADJ	ADJUSTABLE
ADD'L	ADDITIONAL
AEC	ARCHITECTURALLY EXPOSED CONCRETE
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
Af	FACTORED AXIAL LOAD
AIFB	ASPHALT IMPREGNATED FIBREBOARD
ALT	ALTERNATE
APPROX	APPROXIMATELY
AR	ANCHOR ROD
ARCH	ARCHITECTURAL OR ARCHITECT
B, BOT	BOTTOM
B/	BOTTOM OF
BAL	BALANCE
B/B	BACK TO BACK
BC	BOT OF CAISSON ELEV
BCH	BOTTOM CHORD
BET, B/W	BETWEEN
BEW	BOTTOM EACH WAY
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLL	BOTTOM LOWER LAYER
BM	BEAM
BMB	BENDING MOMENT BAR
BOF	BOTTOM OF FOOTING ELEVATION
BPL	BEARING/BASE PLATE
BRDG	BRIDGING
BRG	BEARING
BSMT	BASEMENT
BUL	BOTTOM UPPER LAYER
C	CHANNEL
C	UNFACTORED COMPRESSION
C/C	CENTRE TO CENTRE
C/W	COMPLETE WITH
CA	COLUMN ABOVE
CAM	CAMBER
CANT	CANTILEVER
CB	COLUMN BELOW
CDL	COMPRESSION DEVELOPMENT LENGTH
CF	CONCRETE FIREPROOFED
CIP	CAST-IN-PLACE
Cf	FACTORED COMPRESSION
CJ	CONSTRUCTION JOINT
CLR	CLEAR
C, CL	CENTRE LINE
CLJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
COMP	COMPOSITE
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
DCA	DRILLED CONCRETE ANCHOR
DEMO	DEMOLITION
DEG	DEGREE
DET, DTL	DETAIL
D FIR	DOUGLAS FIR
DIA	DIAMETER
DIM	DIMENSION
DIAG	DIAGONAL
DL	DEAD LOAD
DO, "	DITTO
DP	DEEP
DWG	DRAWING
DWL	DOWEL
DN	DOWN
EA	EACH
EC	EPOXY COATED
ECC	ECCENTRICTY
EE	EACH END
EF	EACH FACE
EJ, EXP JT	EXPANSION JOINT
EL, ELEV	ELEVATION
ELEC	ELECTRICAL
EMBED	EMBEDMENT
ENG	ENGINEER
EOA	EDGE OF ANGLE
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
ES	EACH SIDE
EQ	EQUAL
EW	EACH WAY
EX, EXIST	EXISTING
EXT	EXTERIOR
f'c	COMPRESSIVE STRENGTH OF CONC
FD	FLOOR DRAIN
FF	FAR FACE
F/F	FACE TO FACE
FP	FIREPROOF(ING)
FS	FAR SIDE
FFE	FINISHED FLOOR ELEVATION
FFL	FINISHED FLOOR LEVEL
FIN	FINISHED
FLR	FLOOR
FTG	FOOTING
FMC	FULL MOMENT CONNECTION
FND	FOUNDATION
fy	YIELD STRENGTH
GALV	GALVANIZED
GA	GAUGE
GB	GRADE BEAM
GEN	GENERAL
GRD, GR	GROUND, GRADE
GL	GRIDLINE
(H), HI	HIGH
HDG	HOT DIP GALVANIZED
HEE	HOOK EACH END
HEF	HORIZONTAL EACH FACE
HH	HOOK-HOOK (HOOK EACH END)
HIC	HORIZONTAL IN CENTER
HIF	HORIZONTAL INSIDE FACE
HK	HOOK
HOF	HORIZONTAL OUTSIDE FACE
H, HORIZ	HORIZONTAL
HP	H PILE
HPT	HIGH POINT
HSC	HORIZONTAL SLOTTED CONNECTION
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
ID	INSIDE DIAMETER
IF	INSIDE FACE
INT	INTERIOR
JST(S)	JOISTS
JT	JOINT
k	KILO
kN	KILONEWTON
kPa	KILOPASCAL
(L), LO	LOW
L	SINGLE ANGLE
L 2L	DOUBLE ANGLES
Ld	TENSION DEVELOPMENT LENGTH
LE	LEFT END
LG	LONGLENGTH
LL	LIVE LOAD
LLV	LONG LEG VERTICAL
LLH	LONG LEG HORIZONTAL
LP	LOW POINT
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LW	LIGHT WEIGHT
LWC	LIGHT WEIGHT CONCRETE

m	METRE
m^2, sq. m	SQUARE METRE
M	UNFACTORED MOMENT
MATL	MATERIAL
MAX	MAXIMUM
MC	MOMENT CONNECTION
MCS	MECHANICAL COMPRESSION SPLICE
MECH	MECHANICAL
MEZZ	MEZZANINE
Mf	FACTORED MOMENT
MF	MOMENT FRAME
MFR	MANUFACTURER
MID	MIDDLE
MISC	MISCELLANEOUS
MIN	MINIMUM
ML	MIDDLE LAYER
mm	MILLIMETRE
mm^2, sq. mm	SQUARE MILLIMETRE
MPa	MEGAPASCAL
MTS	MECHANICAL TENSION SPLICE
NBC, NBCC	NATIONAL BUILDING CODE OF CANADA
NCB	NO COLUMN BELOW
NF	NEAR FACE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NON-SHRINK
NTS	NOT TO SCALE
NW	NORMAL WEIGHT
NWC	NORMAL WEIGHT CONCRETE
O/C	ON CENTRE
O/O	OUT TO OUT
OBC	ONTARIO BUILDING CODE
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OWSJ	OPEN WEB STEEL JOIST
P	UNFACTORED POINT LOAD
Pa	PASCAL
P/C, PC, PRCST	PRECAST
PERP	PERPINDICULAR
Pf	FACTORED POINT LOAD
PG	PLATE GIRDER
PL	PLATE
PRLL	PARALLEL
PROJ	PROJECTION
P/T	POST TENSIONED
PT	POINT
PVC	POLYVINYL CHLORIDE
R, RAD	RADIUS
RA	ROOF ANCHOR
C	REINFORCED CONCRETE
RD	ROOF DRAIN
RE	RIGHT END
REF	REFERENCE
REINF	REINFORCEMENT, REINFORCE
REM	REMAINDER
REQ'D	REQUIRED
REV	REVISION
S	STANDARD SECTION/ RESISITIVE MATERIAL
SAFRM	
SDF	STEP DOWN FOOTING
SECT	STRUCTURAL ENGINEER OF RECORD
SER	
SIM	SIMILAR
SL	SLAB
SLS	SERVICEABILITY LIMIT STATE
SOG	SLAB ON GRADEJCE, SETTING OUT POINT
SP	
SPEC	SPECIFICATION
S-P-F	SPRUCE PINE FIR
STD	STANDARD
STRUCT	STRUCTURAL
STL	STEEL
STIFF	STIFFENER
SQ	SQUARE
SS	STAINLESS STEEL
ST, STR	STRAIGHT
STIR	STIRRUP
SWT	SELF WEIGHT
SYM	SYMMETRICAL
t	THICKNESS
T	UNFACTORED TENSION
T	TOP
T&B	TOP AND BOTTOM
TC	TOP OF CAISSON ELEVATION
TDL	TENSION DEVELOPMENT LENGTH
TEMP	TEMPORARY, TEMPERATURE
TEW	TOP EACH WAY
TF	FACTORED TENSION
T&G	TONGUE AND GROOVE
THK	THICK
TJ	TIE JOIST
TLE	TOP LEFT END
TLL	TOP LOWER LAYER
T/O	TOP OF
TOS	TOP OF SLAB
TRE	TOP RIGHT END
T/STL	TOP OF STEEL
TSA	TENSION SPLICE CLASS A
TSB	TENSION SPLICE CLASS B
TUL	TOP UPPER LAYER
TYP	TYPICAL
USF	UNDERSIDE OF FOOTING
U/S	UNDERSIDE
U/N	UNLESS NOTED
UON	UNLESS OTHERWISE NOTED
UL	UPPER LAYER
ULS	ULTIMATE LIMIT STATE
UPT	UPTURNED
V	UNFACTORED SHEAR
VERT	VERTICAL
VBF	VERTICAL BRACED FRAME
VEF	VERTICAL EACH FACE
Vf	FACTORED SHEAR
VOF	VERTICAL OUTSIDE FACE
VIC	VERTICAL IN CENTRE
VIF	VERTICAL INSIDE FACE, VERIFY IN FIELD
VSC	VERTICALLY SLOTTED CONNECTION
W	WIDE FLANGE SECTION
WC	WIND COLUMN
WD	WOOD
W/O	WITHOUT
WP	WALL PLATE OR WORKING POINT
WPFG	WATERPROOFING
WS	WATERSTOP
WT	STRUCTURAL TEE
WWF	WELDED WIRE FABRIC
WWF	WELDED WIDE FLANGE
WWR	WELDED WIDE REINFORCEMENT
ZRP	ZINC RICH PAINT
Ø	DIAMETER

STEPPED WALL FOOTING AND EXCAVATION SLOPES — TDF-1

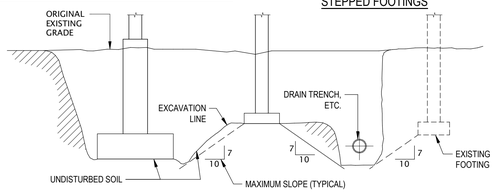


STEPPED WALL FOOTING



PIPES UNDER CONTINUOUS WALL FOOTINGS

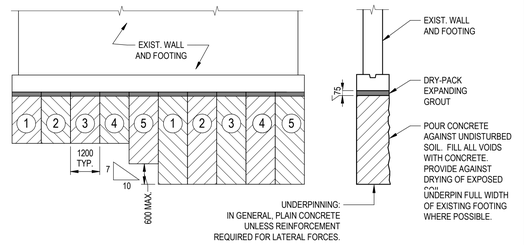
PIPES REQUIRING STEPPED FOOTINGS



NOTE:
WHERE TRENCHING OR EXCAVATING AT ADJACENT FOOTINGS, SATISFY MAXIMUM SLOPE REQUIREMENT. WHERE NECESSARY LOWER FOOTING OR UNDERPIN.

MAXIMUM SLOPE AT EXCAVATIONS

UNDERPINNING DETAILS — TDF-10

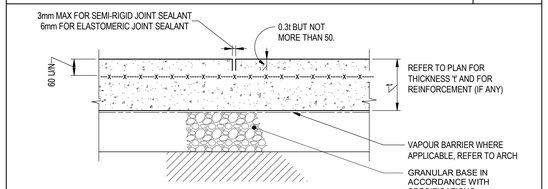


ELEVATION SECTION

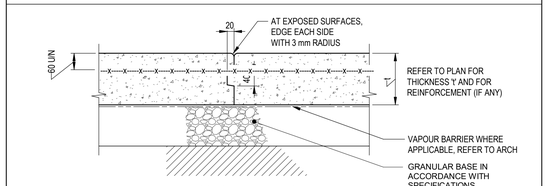
NOTES:

1. UNDERPINNING SHALL BE CONSTRUCTED:
   a) NOT LESS THAN 3 STAGES UP TO 3000 DEEP
   b) NOT LESS THAN 5 STAGES OVER 3000
2. SECTIONS MARKED 1 SHALL BE EXCAVATED, CONCRETE POURED AGAINST UNDISTURBED SOIL AND ALLOWED TO GAIN 70% OF SPECIFIED STRENGTH.
3. RAM 75 DRY-PACK EXPANDING GROUT UNDER EXISTING FOUNDATION AND ALLOW TO GAIN 70% OF SPECIFIED STRENGTH.
4. PROCEED WITH SECTIONS MARKED 2 AND FOLLOWING COMPLETION OF EACH SECTION DO 3 , 4 , AND 5.)
5. UNDERPINNING SHALL NOT STEP VERTICALLY GREAT THAN 600.
6. 7 TO 10 SLOPE FROM ADJACENT EXCAVATION SHALL BE MAINTAINED.
7. CONCRETE f'c = 25 MPa, TYPE 10 CEMENT
   SLUMP ..... 100 MAX.
   AGGREGATE ..... 40 MAX.

SLAB ON GRADE - JOINT DETAILS — TDC-3

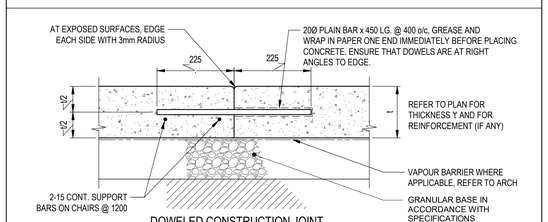


SAWCUT CONTROL JOINT



KEYED CONSTRUCTION JOINT

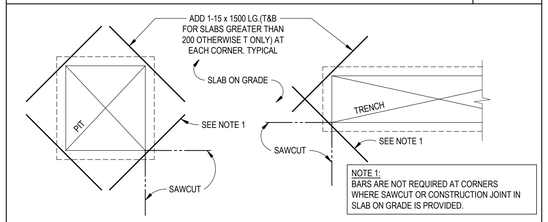
OMIT KEY FOR SLABS LESS THAN 100

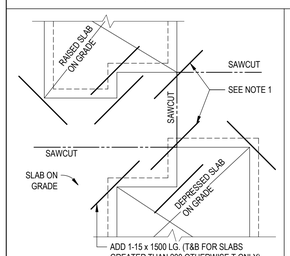


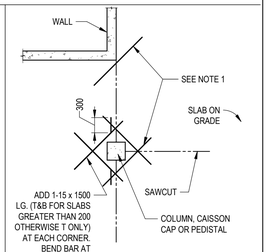
DOWELED CONSTRUCTION JOINT

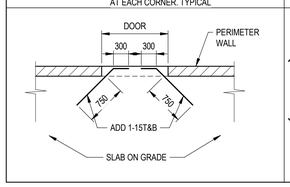
FOR SLAB GREATER THAN 100

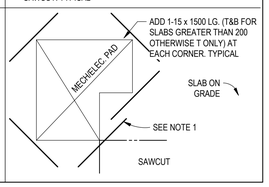
CRACK CONTROL REINFORCEMENT IN SLAB ON GRADE — TDC-4











Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128946
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE	MÉTIER	DATE
STRUCTURAL		2024-03-08

SUBJECT | SUJET
TYPICAL DETAILS 01

PRODUCTION	REVIEWED	REVU	
DESIGNED	ÉTUDIÉ		DES O | AGENT CONC
G. ALEXANDER			
DRAWN	DESSINÉ		PRO MGR | GÉST PROJ
R. ENDAYA			
CHECKED	VÉRIFIÉ		DES MGR | GÉST CONC
H. SAFFARINI			
COORDINATION			FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 201

Canada

2026-03-23 3:35:45 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DNDT23-0003_PS_DND_ST_Kingston_MasseyLibrary_R24.rvt

TEMPERATURE REINFORCEMENT FOR CONCRETE SLABS, COVER SLABS AND TOPPINGS — TDC-14

	CONCRETE THICKNESS (mm)	REINFORCEMENT
TOPPINGS & COVER SLAB	50	152 x 152 - MW13.3 x MW13.3
	65	152 x 152 - MW18.7 x MW18.7
	75	152 x 152 - MW25.8 x MW25.8
	90	152 x 152 - MW25.8 x MW25.8
	100	102 x 102 - MW13.3 x MW13.3
SLABS	100	10M@500 T&B EW
	110	10M@450 T&B EW
	120	10M@400 T&B EW
	130	10M@350 T&B EW
	140	10M@350 T&B EW
	150	10M@300 I&B EW
	160	10M@300 T&B EW
	170	10M@250 T&B EW
	180	10M@250 T&B EW
	190	10M@250 T&B EW
	200	10M@250 T&B EW
	210	10M@200 T&B EW
	220	10M@200 T&B EW
	230	10M@200 T&B EW
	240	10M@200 T&B EW
	250	10M@200 T&B EW
	260	15M@350 T&B EW
	270	15M@350 T&B EW
	280	15M@350 T&B EW
	290	15M@300 T&B EW
	300	15M@300 T&B EW

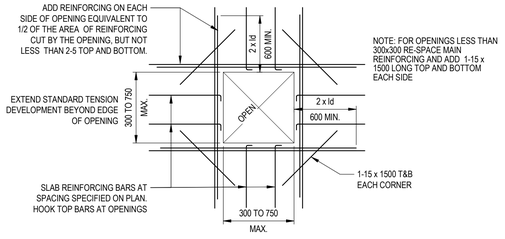
NOTES:

1. UNLESS OTHERWISE NOTED PROVIDE TEMPERATURE REINFORCEMENT IN CONCRETE SLABS, COVER SLABS AND TOPPINGS AS SHOWN IN THIS TABLE.
2. UNLESS OTHERWISE NOTED, PLACE TEMPERATURE REINFORCEMENT PERPENDICULAR TO MAIN REINFORCEMENT IN ONE WAY SLABS. WHERE MAIN REINFORCEMENT CONSISTS OF TOP AND BOTTOM BARS, PLACE TEMPERATURE REINFORCEMENT ALTERNATELY AT TOP AND BOTTOM.
3. UNLESS OTHERWISE NOTED, PROVIDE WELDED WIRE FABRIC IN FLAT SHEETS.
4. PROVIDE REINFORCEMENT FOR CONCRETE TOPPING WHICH IS PLACED OVER A SLIP SHEET OR MEMBRANE. TEMPERATURE REINFORCEMENT IS NOT REQUIRED WHERE CONCRETE TOPPINGS ARE PLACED AND BONDED DIRECTLY ON CONCRETE SLABS.
5. UNLESS OTHERWISE NOTED, PLACE WELDED WIRE FABRIC WITH 25 mm TOP COVER. LAP REBARS WITH CLASS 'B' LAP SPLICE. LAP END OF WELDED WIRE FABRIC SUCH THAT THE OVERLAP MEASURED BETWEEN THE OUTERMOST CORSS-WIRES OF EACH FABRIC SHEET SHALL NOT BE LESS THAN ONE SPACING OF CROSS-WIRE PLUS 50 mm.
6. UNLESS OTHERWISE NOTED, PROVIDE EDGE OF ALL SLABS WITH 2-15 CONTINUOUS.
7. IN UNHEATED AREAS, INCREASE REINFORCEMENT BY CROSS SECTIONAL AREA PER METRE BY 25%.

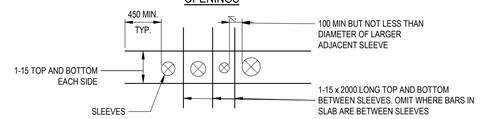
OPENINGS AND SLEEVES IN SLAB — TDC-20

NOTES:

1. UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS:
   A) REINFORCE AROUND OPENINGS AND SLEEVES AS PER DETAILS BELOW.
   B) DO NOT MAKE OPENINGS OR SLEEVES LARGER THAN THE MAXIMUM DIMENSIONS NOTED BELOW AND DO NOT LOCATE OPENINGS OR SLEEVES OTHER THAN WHERE INDICATED ON PLAN WITHOUT PRIOR APPROVAL FROM THE DCC REPRESENTATIVE.
2. OPENINGS AND SLEEVE SIZES AND LOCATIONS TO BE RESTRICTED TO THE FOLLOWING:
   A) ONE WAY AND TWO-WAY SLABS: MAXIMUM OPENING SIZE 750 SQUARE.
   B) FLAT SLABS.
   (I) DO NOT MAKE OPENINGS OR PLACE SLEEVES WITHIN TWICE THE SLAB DEPTH FROM THE FACE OF A COLUMN OR EDGE OF A CAPITAL.
   (II) MAXIMUM WIDTH OF STRIP INTERRUPTED BY OPENINGS OR SLEEVES:
   - IN AREAS OF INTERSECTION OF TWO COLUMN STRIPS - NOT GREATER THAN 1/8 OF THE SMALLER COLUMN STRIP.
   - IN AREAS OF INTERSECTION OF A COLUMN STRIP WITH A MIDDLE STRIP - NOT GREATER THAN 1/4 OF THE SMALLER STRIP.
   - IN AREAS OF INTERSECTION OF TWO MIDDLE STRIPS - NOT GREATER THAN - 1/2 OF THE SMALLER STRIP.



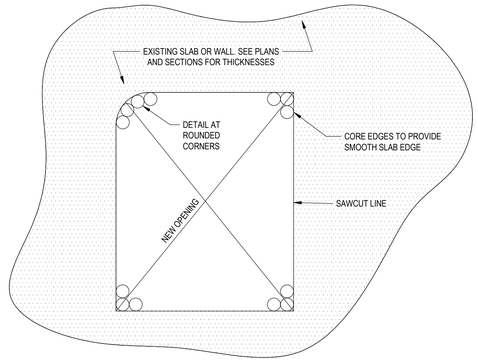
OPENINGS



SLEEVES

NOTE:
RE-SPACE MAIN REINFORCING WHERE THIS IS NOT POSSIBLE REVERT TO OPENINGS DETAIL ABOVE

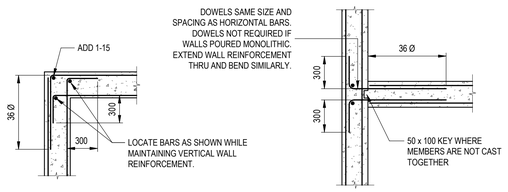
CUTTING NEW OPENING IN EXISTING SLAB — TDC-21



PROCEDURE:

1. LAYOUT SAWCUT PATTERN. VERIFY SLAB REINFORCEMENT TO ACCOMODATE CUT IS IN PLACE BEFORE ANY CUT.
2. CORE 150Ø HOLES AT EACH CORNER FOR NEW OPENING. DO NOT DRILL BEYOND LIMITS OF OPENING.
3. SAWCUT NEW OPENING AS SHOWN ON PLAN OR SECTIONS. DO NOT OVERCUT BEYOND CORED HOLES.

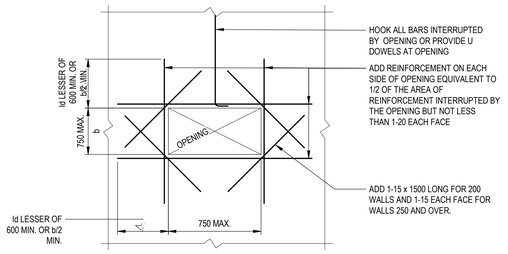
WALL REINFORCEMENT DETAILS — TDC-29



LAPPING AT CORNERS

DOWELING AT INTERSECTING WALLS

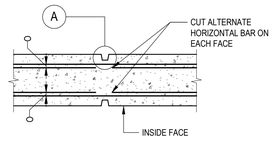
REINFORCEMENT ARRANGEMENT FOR WALLS (OTHER THAN SHEAR WALLS)



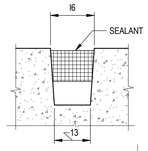
NOTE: FOR OPENINGS UNDER 450 x 450 RESPACE MAIN REINFORCING AND ADD 1-15 x 1200 LONG DIAGONAL AT EACH CORNER FOR EVERY 200 OF WALL THICKNESS OR PORTION THEREOF.

OPENING IN WALL

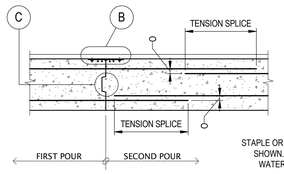
CONCRETE WALL JOINT DETAILS — TDC-30



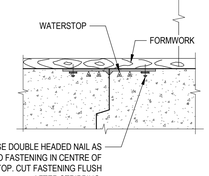
CONTROL JOINT



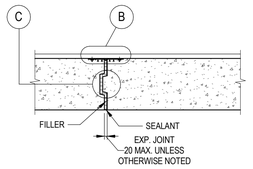
DETAIL "A"



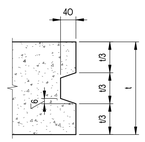
CONSTRUCTION JOINT



DETAIL "B"



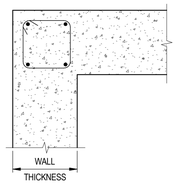
EXPANSION JOINT



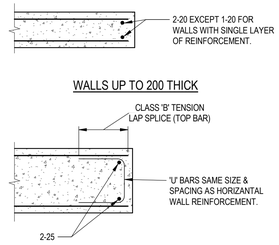
DETAIL " C "

MINIMUM CONCRETE WALL REINFORCEMENT U/N — TDC-33

MARK	VERT BARS EA FACE As=.0015Ag	HORIZ EA FACE		REMARK
		HEATED AREAS As=.002Ag	UNHEATED AREAS As=.003Ag	
W150A	10@450	10@325	-	1 LAYER
W200A	10@325	10@500	-	1 LAYER
W200	10@500	10@500	10@325	-
W250	10@500	10@400	15@500	-
W300	10@450	10@325	15@450	-
W350	10@375	10@275	15@375	-
W400	10@325	15@500	15@325	-
W450	10@300	15@450	15@300	-
W500	10@250	15@400	-	-
W550	10@250	15@350	-	-
W600	15@450	15@325	-	-
W650	15@400	15@300	-	-
W700	15@375	15@275	-	-
W750	15@350	15@250	-	-



CORNERS



WALLS UP TO 200 THICK

WALLS THICKER THAN 200

NOTES:

1. IN ALL WALLS PROVIDE AT LEAST THE REINFORCEMENT SHOWN IN THE SCHEDULE ABOVE TOGETHER WITH REINFORCEMENT NOTED TO BE ADDED.
2. WALL MARKS DENOTE THICKNESS OF WALLS AND CORRESPONDING REINFORCEMENT.
3. SEE ALSO RELATED DETAILS AND NOTES ON DRAWINGS.
4. AT ENDS OF WALLS CONFORM TO DETAILS SHOWN ABOVE UNLESS OTHERWISE NOTED ON DRAWINGS.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128540
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER	DATE
STRUCTURAL	2024-03-08

SUBJECT | SUJET
TYPICAL DETAILS 02

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT: WBS # (Project Info)
PF NUMBER | NO. DP: 500621 & 110593
DWG. NO. | NO. DESSIN: K-K74-7701/35 - 202

Canada

Autodesk Docs://DND Massey Hall Elevator Upgrade/DM0723-0003_PB_DND_ST_Kingston_Massey_Library_R24.rvt
2026-03-23 3:35:45 PM

CONCRETE COVER TO REINFORCING STEEL — TDC-34

	MINIMUM COVER CAN3-A23.1	COVER FOR FIRE-RESISTANCE RATING			
		1.5h	2h	3h	4h
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	75	75	75	75	75
CONCRETE CAST AGAINST FORMS, BUT EXPOSED TO EARTH OR WEATHER:					
15 BARS, 16Ø WIRE, AND SMALLER, STIRRUPS, TIES, AND SPIRAL.....	40	40	40	40	40
COLUMN PRINCIPAL REINFORCEMENT.....	50	50	50	65	75
20 TO 55 BARS, AND ALL OTHER BARS.....	50	50	50	50	50
CONCRETE NOT EXPOSED TO WEATHER, OR NOT IN CONTACT WITH GROUND:					
35 BARS AND SMALLER FOR SLABS AND WALLS SEE NOTE #3	20	20	25	35	40
FOR JOISTS	20	25	25	40	50
BEAM PRINCIPAL REINFORCEMENT	40	40	40	40	50
COLUMN PRINCIPAL REINFORCEMENT.....	40	50	50	65	75
STIRRUPS, TIES, SPIRALS, AND ALL OTHER BARS	40	40	40	40	40

NOTES:

1. FOR CAST-IN-PLACE (NON-PRESTRESSED) CONCRETE, PROVIDE MINIMUM CONCRETE COVER TO REINFORCEMENT ACCORDING TO CAN3-A23.1 UNLESS OTHERWISE NOTED ON DRAWINGS.
2. WHERE THE FIRE-RESISTANCE RATING OF A COLUMN EXCEEDS 2 HOURS, ADD WELDED WIRE MESH, MINIMUM 102 x 102 - MW3.2 x MW3.2, MIDWAY IN CONCRETE COVER.
3. FOR SHORT WALLS WHERE INDICATED ON THE DRAWING, PROVIDE COVER AS FOR COLUMNS.

TENSION DEVELOPMENT LENGTH AND TENSION LAP SPLICES (Fy = 400 MPa) — TDC-36

CONCRETE / SPLICE / BAR	25 MPa		30 MPa		35 MPa		40 MPa		45 MPa		50 MPa		CONCRETE / SPLICE / BAR
	CLASS A, Ld	CLASS B	CLASS A, Ld	CLASS B	CLASS A, Ld	CLASS B	CLASS A, Ld	CLASS B	CLASS A, Ld	CLASS B	CLASS A, Ld	CLASS B	
	TABLE 1: UNCOATED, OTHER THAN TOP BARS												
10	300	380	300	350	300	320	300	300	300	280	300	300	10
15	440	570	400	520	370	480	350	450	330	420	310	400	15
20	580	750	530	690	490	640	460	600	430	560	410	530	20
25	900	1170	830	1070	760	990	720	930	670	860	640	830	25
30	1080	1410	990	1290	920	1190	860	1110	810	1050	770	1000	30
35	1260	1640	1150	1500	1070	1390	1000	1300	940	1220	890	1160	35
	TABLE 2: UNCOATED, TOP BARS												
10	380	490	350	450	320	420	300	390	280	370	300	350	10
15	570	730	520	670	480	620	450	580	420	550	400	520	15
20	750	980	690	890	640	830	600	770	560	730	530	690	20
25	1170	1530	1070	1390	990	1290	930	1210	880	1140	830	1080	25
30	1410	1830	1290	1670	1190	1550	1110	1450	1050	1360	1000	1290	30
35	1640	2130	1500	1950	1390	1800	1300	1690	1220	1590	1160	1510	35
	TABLE 3: EPOXY-COATED BARS, OTHER THAN TOP BARS												
10	440	570	400	520	370	480	350	450	330	420	310	400	10
15	650	850	600	770	550	720	520	670	490	630	460	600	15
20	870	1130	790	1030	730	950	690	890	650	840	610	800	20
25	1350	1760	1240	1610	1140	1490	1070	1390	1010	1310	960	1240	25
30	1620	2110	1480	1930	1370	1780	1280	1670	1210	1570	1150	1490	30
35	1890	2460	1730	2250	1600	2080	1500	1950	1410	1840	1340	1740	35
	TABLE 4: EPOXY-COATED TOP BARS												
10	490	640	450	590	420	540	390	510	370	480	350	450	10
15	740	960	670	880	620	810	580	760	550	720	520	680	15
20	980	1280	900	1170	830	1080	780	1010	730	950	700	900	20
25	1530	1990	1400	1820	1300	1690	1210	1580	1140	1490	1090	1410	25
30	1840	2390	1680	2180	1560	2020	1460	1890	1370	1780	1300	1690	30
35	2150	2790	1960	2550	1810	2360	1700	2210	1600	2080	1520	1970	35

NOTES:

1. USE FOLLOWING TENSION LAP SPLICE LENGTHS UNLESS NOTED OTHERWISE ON DRAWINGS.
2. TENSION DEVELOPMENT LENGTHS, Ld, DENOTED AS TENSION LAP SPLICE CLASS A.
3. FOR COLUMNS, USE COLUMN TENSION SPLICE TYPICAL DETAIL.
4. TOP BARS ARE BARS WITH MORE THAN 300 OF CONCRETE CAST BELOW SPLICE.
5. CLEAR COVER NOT LESS THAN d , CLEAR SPACING NOT LESS THAN 2d .
6. FOR STRUCTURAL LOW-DENSITY CONCRETE, INCREASE SPLICE LENGTHS BY 30%.
7. FOR STRUCTURAL SEMI-LOW-DENSITY CONCRETE, INCREASE SPLICE LENGTHS BY 20%.

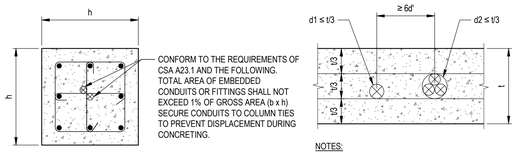
MINIMUM DEVELOPMENT AND LAP SPLICE LENGTHS IN COMPRESSION — TDC-35

BAR SIZE	Fy MPa	DEVELOPMENT LENGTHS (ℓ_d dc)			LAP SPLICE
		f'c = 20 MPa	f'c = 25 MPa	f'c = 30 MPa	f'c = 30 MPa
10	400	240	220	200	300
10	500	300	270	250	430
15	400	340	310	280	440
15	500	430	380	350	640
20	400	420	370	340	590
20	500	520	470	430	850
25	400	540	480	440	730
25	500	680	600	550	1070
30	400	640	570	530	880
30	500	800	720	660	1280
35	400	770	690	630	1030
35	500	960	860	790	1490
45	400	940	840	770	
45	500	1170	1050	960	
55	400	1210	1080	990	
55	500	1510	1350	1240	

NOTES :

1. VALUES GIVEN ARE FOR NORMAL WEIGHT CONCRETE AND DEFORMED BARS ONLY AND ARE TO BE MODIFIED ACCORDING TO THE FOLLOWING APPLICABLE FACTORS.
2. LAP SPLICES ARE NOT PERMITTED FOR BAR SIZES 45 AND 55.
3. ℓ_d dc' DENOTES MINIMUM DEVELOPMENT LENGTH FOR EMBEDMENT OF DOWELS IN COMPRESSION.
4. INCREASE LAP SPLICE LENGTHS FOR f'c LESS THAN 20 MPa BY A FACTOR OF 1.33.
5. MINIMUM LAP SPLICE AND DEVELOPMENT LENGTHS MAY BE REDUCED UNDER THE FOLLOWING SPECIAL CONDITIONS BY THE FACTORS SHOWN:
   (a) EXCESS AREA OF STEEL: (AS REQUIRED/AS PROVIDED) USE 1.0 UNLESS NOTED OTHERWISE.
   (b) BARS ENCLOSED WITH A SPIRAL WHICH HAS A MINIMUM WIRE DIA. OF 6 AND 100 MAXIMUM PITCH: 0.75
6. AFTER APPLYING ALL APPLICABLE FACTORS OF NOTES 4 AND 5, THE LAP SPLICE LENGTHS SHALL NOT BE MADE LESS THAN 300 AND THE DEVELOPMENT LENGTHS SHALL NOT BE MADE LESS THAN 200.

EMBEDDED CONDUITS AND PIPES — TDC-45

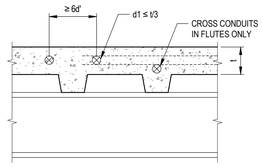


COLUMN (PLAN)

NOTES:

1. OUTSIDE DIAMETER OF CONDUIT (d1) OR BUNDLE OF CONDUITS SHALL NOT EXCEED 1/3 SLAB THICKNESS.
2. CONDUITS SHALL BE PLACED IN MIDDLE THIRD OF SLAB DEPTH.
3. d' IS LARGER OF d1 AND d2.

SLAB OR WALL (SECTION)



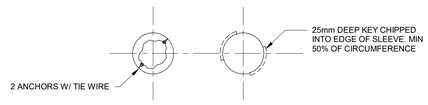
SLAB ON STEEL DECK (SECTION)

DO NOT BUNDLE CONDUITS IN CONCRETE SLAB ON STEEL DECK

PART PLAN

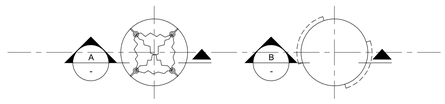
INFILL OF EXISTING SLEEVES AND OPENINGS — TDC-51

INFILL OF SLEEVES UP TO 175Ø

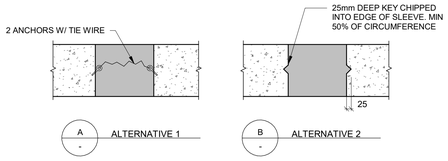


ALTERNATIVE 1 (PLAN) ALTERNATIVE 2 (PLAN)

INFILL OF SLEEVES 175Ø TO 350Ø



ALTERNATIVE 1 (PLAN) ALTERNATIVE 2 (PLAN)



ALTERNATIVE 1 ALTERNATIVE 2

NOTES:

1. ANCHORS: 6.4 mm Ø WEDGE STYLE SLEEVE ANCHOR WITH TIE-WIRE HEAD.
2. TIE WIRE: 1.5mm DIAMETER MIN, SECURELY FASTENED TO SLEEVE ANCHOR.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128548
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER	DATE
STRUCTURAL	2024-03-08

SUBJECT | SUJET
TYPICAL DETAILS 03

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 203

Canada

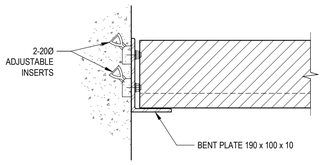
2026-03-23 3:35:47 PM Autodesk Docs://ND Massey Hall Elevator Upgrade/ONOT23-0003_PB_DND_ST_Kingston_Masseyl.rvt

CONCRETE BLOCK LINTEL — TDM-1

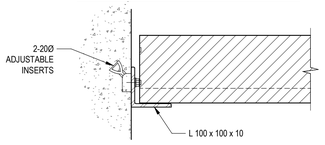
CLEAR SPAN	LINTEL UNIT	90 WALL	140 WALL	190 WALL	240 WALL	290 WALL
190 DEEP LINTEL						
UP TO 1200	190	1-10 B	1-10 B	2-10 B	2-10 B	3-10 B
1200 TO 1800	190	1-15 B	2-10 B	2-15 B	2-15 B	3-15 B
1800 TO 2400	190	1-15 T&B	2-15 T&B	2-15 T&B	2-15 T&B	3-15 T&B
390 DEEP LINTEL						
2400 TO 3000	390	1-15 B	1-15 B	2-15 B	2-15 B	3-15 B

NOTES:

1. USE ONLY FOR NON-LOAD BEARING MASONRY WALLS.
2. USE LINTELS ON THIS TYPICAL DETAIL ONLY IF THE HEIGHT OF THE MASONRY ABOVE THE OPENING IS EQUAL TO OR GREATER THAN HALF THE CLEAR SPAN OF THE OPENING AND IF THERE ARE NO CONCENTRATED LOAD DIRECTLY ABOVE THE LINTEL.
3. CONCRETE FILL FOR LINTELS TO HAVE MINIMUM 20 MPa COMPRESSIVE STRENGTH AT 28 DAYS.
4. WHERE LINTELS ABUT CONCRETE COLUMNS OR CONCRETE WALLS, PROVIDE SEAT ANGLE AS SHOWN BELOW. WHERE LINTELS ABUT STEEL COLUMNS, WELD SEAT ANGLE TO THE COLUMN.

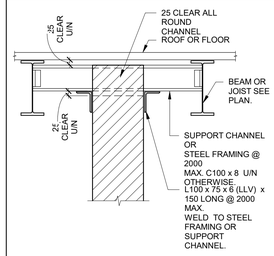


SEAT DETAIL FOR LINTELS UP TO 150 WIDE

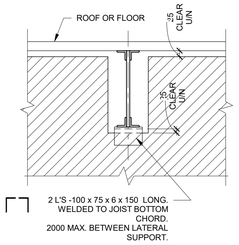


SEAT ANGLE DETAIL FOR LINTELS GREATER THAN 150 WIDE

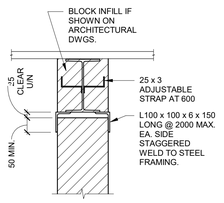
LATERAL SUPPORT AT TOP OF MASONRY WALLS — TDM-2



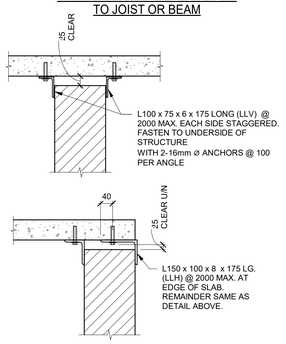
UNDERSIDE OF STEEL FRAMING
(FRAMING AT RIGHT ANGLES TO WALL)



AT PARTITION PERPENDICULAR TO JOIST OR BEAM

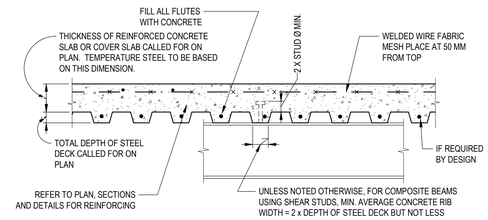


UNDERSIDE OF STEEL FRAMING
(FRAMING PARALLEL TO WALL)

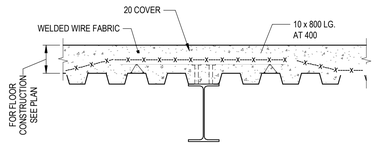


UNDERSIDE OF CONCRETE FRAMING

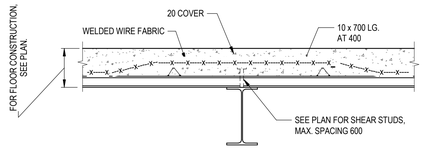
CONCRETE PLACED OVER STEEL DECK — TDS-9



COVER SLAB DETAIL OVER COMPOSITE STEEL BEAM

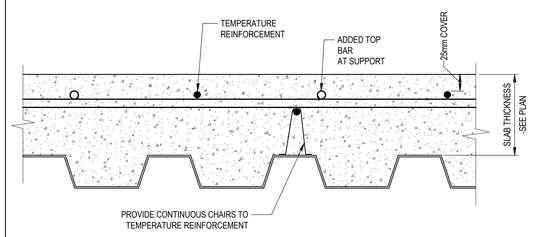


STEEL DECK PARALLEL TO BEAM



STEEL DECK PERPENDICULAR TO BEAM

CONCRETE SLAB ON STEEL DECK — TDS-10



NOTES:

1. PROVIDE 10 REINFORCEMENT FOR SLAB THICKNESS UP TO 100 mm. PROVIDE 15M REINFORCEMENT FOR SLAB THICKNESS OVER 100 mm.
2. TOP CONTINUOUS BARS @ 300 WITH MINIMUM 450 LAP AT MIDSPAN AS REQUIRED AND TOP BARS @ SUPPORT WITH LENGTH OF 1/3 OF CENTRE TO CENTRE DISTANCE BETWEEN SUPPORTS, PLACE ON CENTRELINE OF SUPPORT AND ALTERNATE WITH CONTINUOUS TOP BARS.
3. AT DISCONTINUOUS END OF SLABS, AT OPENINGS, AT EXPANSION JOINTS, ETC., ADD 800 LONG TOP BARS @ 300.
4. TOP TEMPERATURE BARS @ 400 (MINIMUM 450 LAP).
5. AT OPENINGS, PROVIDE 800 LONG TOP BARS @ 400 PERPENDICULAR TO THE SPAN.
6. OVER SUPPORTS PARALLEL TO THE SPAN OF THE DECK, ADD 1800 LONG TOP BARS @ 400 CENTRED AT SUPPORTS.
7. LIVE LOADS FOR STEEL DECK FORM TO BE WEIGHT OF WET CONCRETE PLUS 1.0 kPa CONSTRUCTION ALLOWANCE.
8. CONSTRUCTION JOINTS TO BE LOCATED ON CENTRELINE OF SUPPORTS.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128540
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER

DATE
03/21/24

SUBJECT | SUJET
TYPICAL DETAILS 04

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 204

Canada

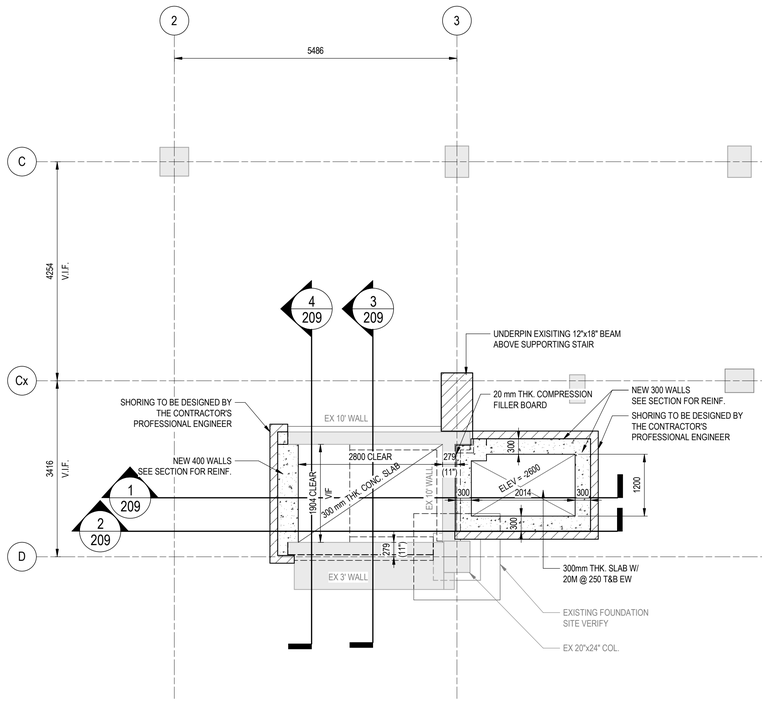
Autodesk Docs://ND Massey Hall Elevator Upgrade/ON0723-0003_PB_DND_ST_Kingston_Massey_Library_R24.rvt
2026-03-23 3:35:47 PM

NOTES

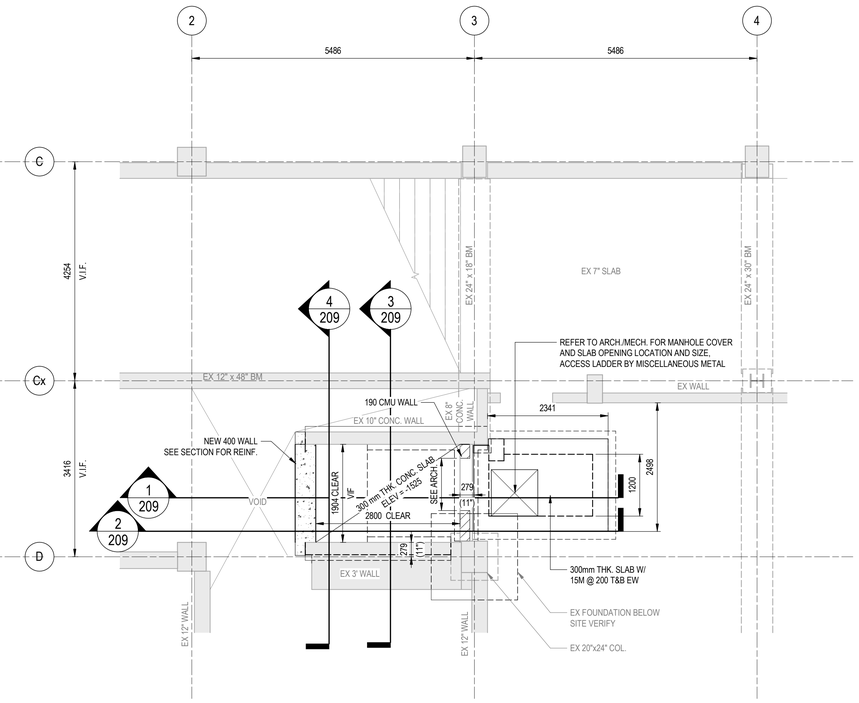
1. SLAB ON GRADE TO BE 150mm UNLESS OTHERWISE NOTED.
2. ALL FOOTINGS UNLESS NOTED OTHERWISE DIRECTLY BEAR ON ROCK.
3. UNDERSIDE OF EXISTING FOUNDATIONS OF THE EXISTING BUILDINGS HAS TO BE VERIFIED ON SITE DURING CONSTRUCTION.
4. PROVIDE SHORING AND UNDERPINNING WHERE REQUIRED TO PROTECT EXISTING STRUCTURE TO REMAIN.
5. DESIGN LOADING
   DEAD LOAD:
   CEILING AND MECHANICAL ..... 0.70 kPa
   ROOF INSULATION ..... 0.40 kPa
   LIVE LOAD ..... 4.80 kPa
6. FOR EDGE OF SLAB REFER TO ARCHITECTURAL DRAWINGS.
7. SHORE EXISTING ADJACENT SLAB/BEAMS AS REQUIRED DURING MODIFICATION OF EXISTING STRUCTURES.
8. SCAN EXISTING STRUCTURE FOR REINFORCEMENT BEFORE DRILLING ANCHORS/DOWELS.
9. ROUGHEN OLD CONCRETE SURFACE TO AN AMPLITUDE 0F 6mm AT INTERFACE OF NEW STRUCTURE..
10. USE EXISTING REBARS AS DOWEL BARS TO SPLICE WITH NEW BARS, ALTERNATIVELY USE MECHANICAL COUPLERS OR DRILL AND EPOXY GROUT MATCHING DOWELS MIN. 15M @ 300, EMBEDMENT TO CONFORM WITH DEVELOPMENT LENGTH.
11. MATCH DOWEL BARS WITH 400 mm WALL'S HORIZONTAL REBARS, DRILL AND EPOXY GROUT DOWELS INTO EXISTING BEAM/WALL, EMBEDMENT SHALL CONFORM WITH DEVELOPMENT LENGTH, BAR LENGTH WITHOUT EMBEDMENT SHALL CONFORM WITH MINIMUM SPLICE LENGHT. USE L-SHAPE BAR WHERE APPROPRIATE.
12. SEQUENCE OF CONSTRUCTION TO CONSIDER CONSTRUCTING NEW ELEVATOR PIT WALLS BEFORE DEMOLISHING EXISTING ELEVATOR PIT SLAB AND UNDERPINNING EXISTING STRUCTURE TO REMAIN.
13. FOR GENERAL NOTES TO DRAWING S200, FOR TYPICAL DETAILS REFER TO DRAWING S201 TO S204.

SEQUENCE OF CONSTRUCTION

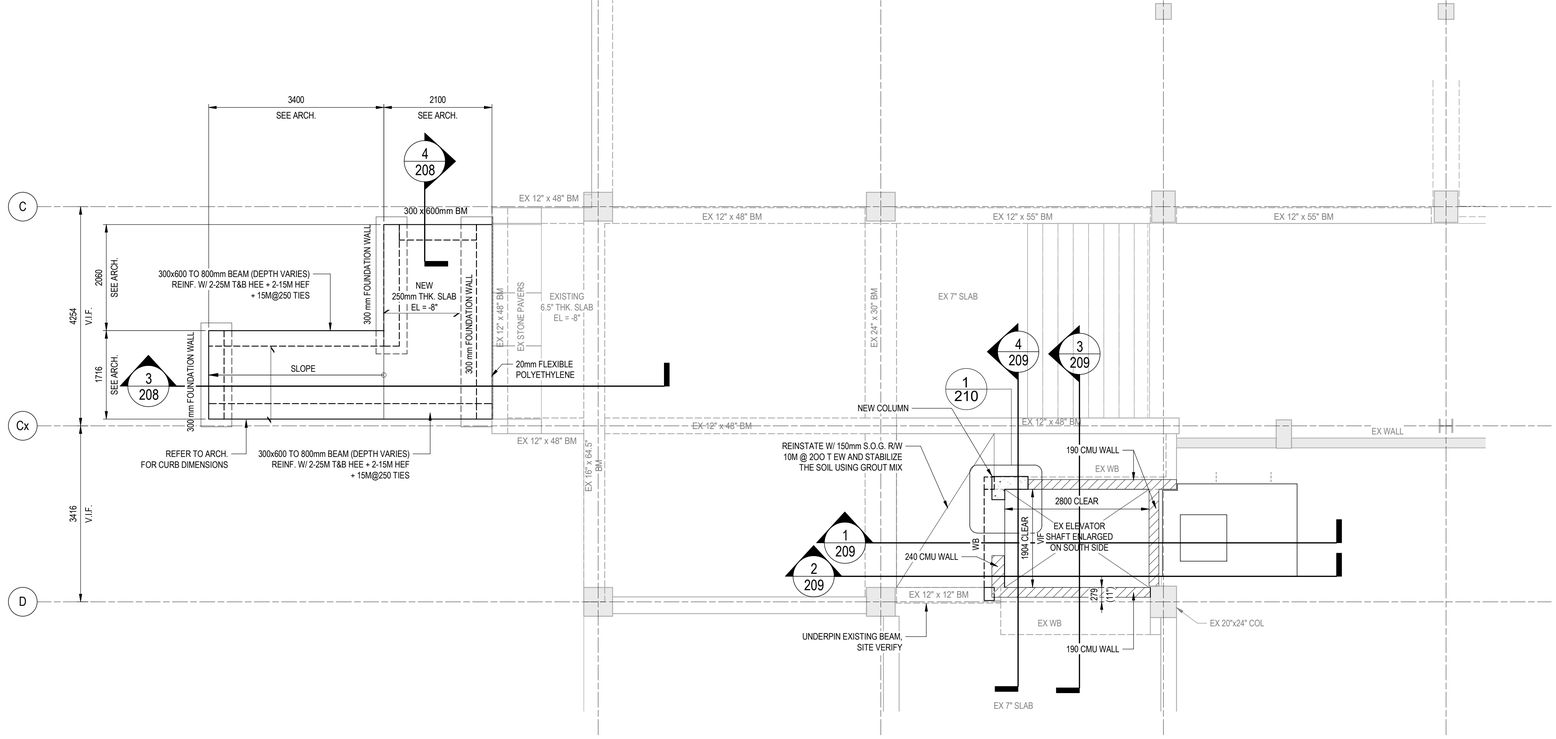
1. CONDUCT GEOTECHNICAL INVESTIGATION TO ESTABLISH SHALE ELEVATION AND EXISTING WATER TABLE.
2. PERFORM EXISTING CONDITION SURVEY AND DOCUMENT THE FINDINGS.
3. FIELD MEASURE AND VERIFY EXISTING STRUCTURAL ELEMENTS, DIMENSIONS WITH CONTRACT DRAWINGS PRIOR TO COMMENCEMENT OF WORK, REPORT DISCREPANCIES.
4. SUBMIT CONSTRUCTION METHODOLOGY, SEQUENCE OF CONSTRUCTION AND SHOP DRAWINGS.
5. SHORE AND UNDERPIN EXISTING STRUCTURE AND FILL MATERIAL TO REMAIN.
6. USE PRECISION METHODOLOGY AND EQUIPMENT TO CUT EXISTING STRUCTURE AND TO EXCAVATE IN SHALE.
7. SHORE AND UNDERPIN EXISTING SLAB ON GRADE, BEAM, WALL AND THE EXCAVATED SURFACE IN SECTIONS TO PREVENT UNDERMINING AND SLOUGHING. WIDTH OF UNDERPINNING SHALL MATCH EXISTING BEAM/WALL WIDTH. REFER TO TDF-10.
8. INSTALL TIE BACKS TO THE EXISTING 3'-0" WALL, UNDERPIN IN SECTIONS, WIDTH OF THE WALL UNDERPINNING SHALL MATCH HALF THE WIDTH OF 3'-0" WALL.
9. ENSURE THE COLUMN AT GRIDLINE 3/D IS LATERALLY RESTRAINED.
10. FIELD VERIFY FOUNDING ELEVATION OF FOOTING TO COLUMN AT GRIDLINE 3/D AND ENSURE IT DOES NOT INTERFERE WITH NEW ELEVATOR PIT AND SUMP PIT.



5/205 FOUNDATION PLAN
SCALE: 1 : 50



1/205 BASEMENT PLAN
SCALE: 1 : 50



2/205 GROUND FLOOR FRAMING PLAN
SCALE: 1 : 50

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100126040
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER	DATE
STRUCTURAL	2024-03-08

SUBJECT | SUJET
ELEVATOR FRAMING PLANS 01

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ: R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621 & 110593

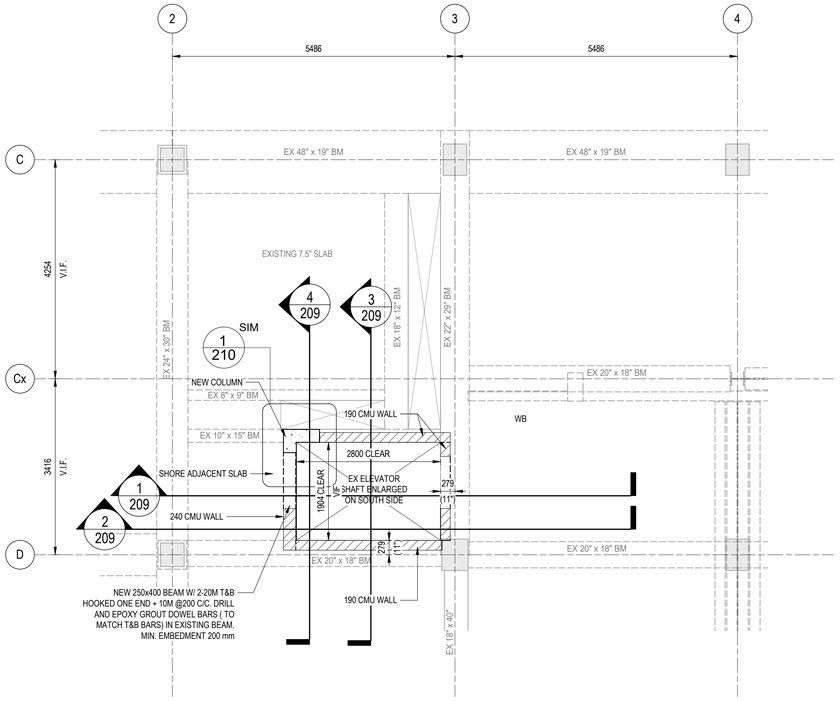
DWG. NO. | NO. DESSIN
K-K74-7701/35 - 205

Canada

2026-03-23 3:35:48 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNO723-0003_PB_DND_ST_Kingston Massey Library_R24.rvt

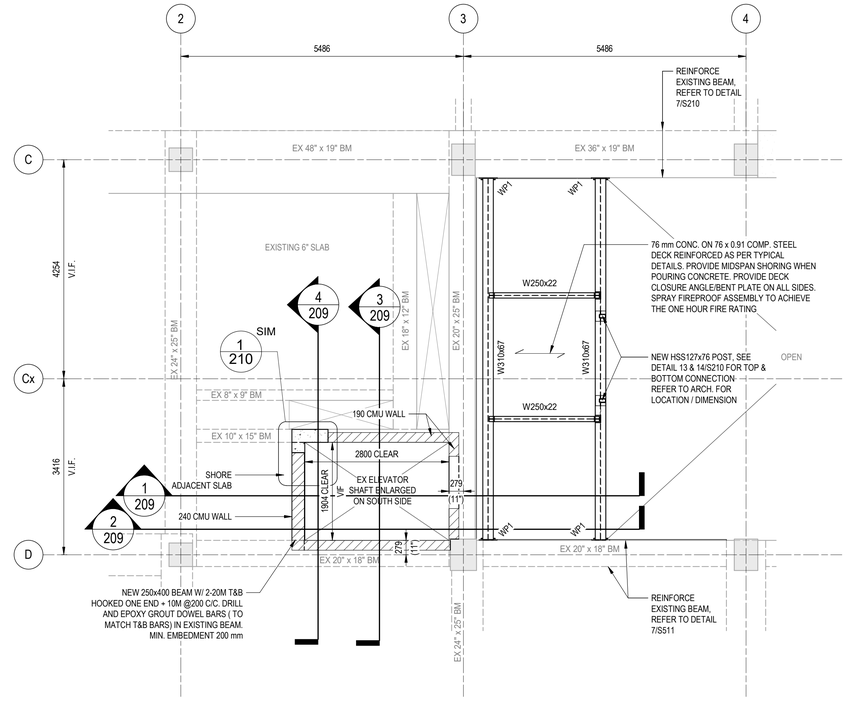
NOTES

1. REFER TO SHEET NO. S201.



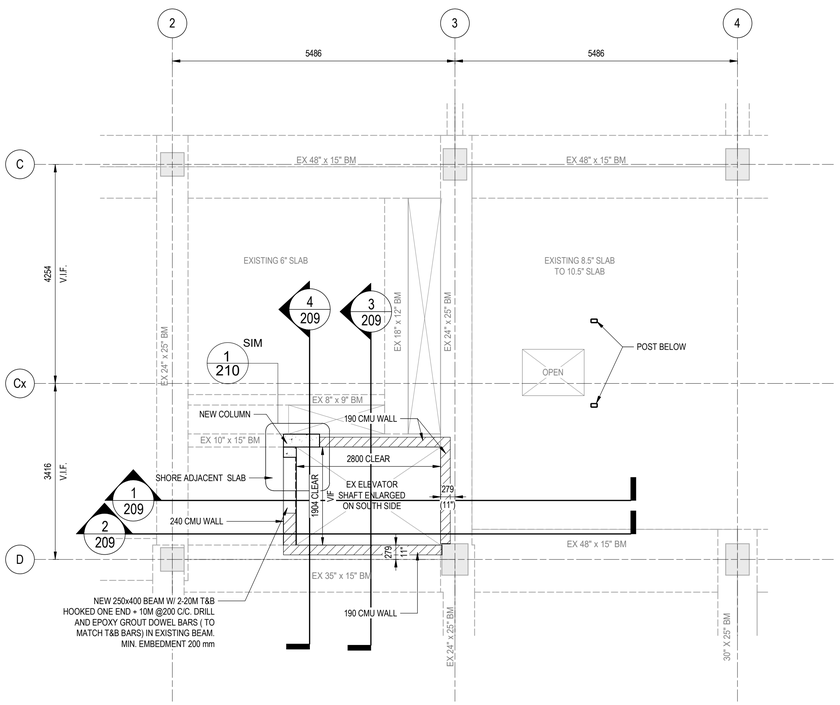
4/206 FIRST FLOOR FRAMING PLAN

SCALE: 1 : 50



5/206 SECOND FLOOR FRAMING PLAN

SCALE: 1 : 50



2/206 THIRD FLOOR FRAMING PLAN

SCALE: 1 : 50

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128548
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER	DATE
STRUCTURAL	2024-03-08

SUBJECT | SUJET
ELEVATOR FRAMING PLANS 02

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621 & 110593

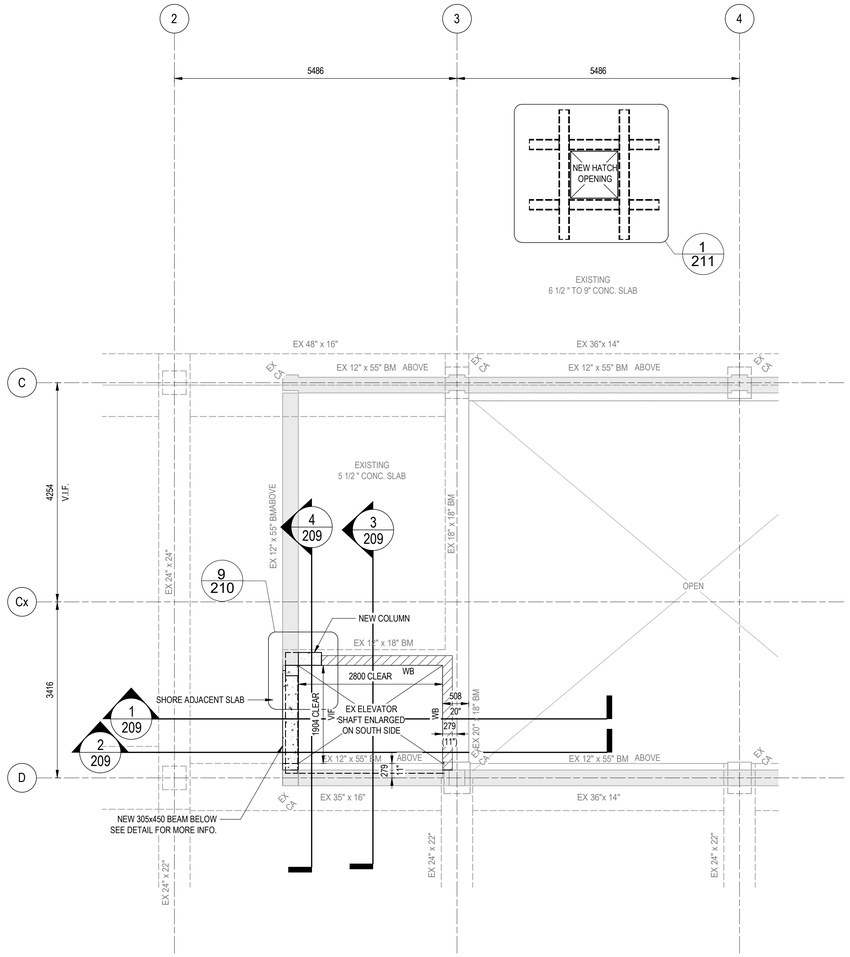
DWG. NO. | NO. DESSIN
K-K74-7701/35 - 206

Canada

2026-03-23 3:35:49 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND723-0003_PB_DND_ST_Kingston_Massey_Library_R24.rvt

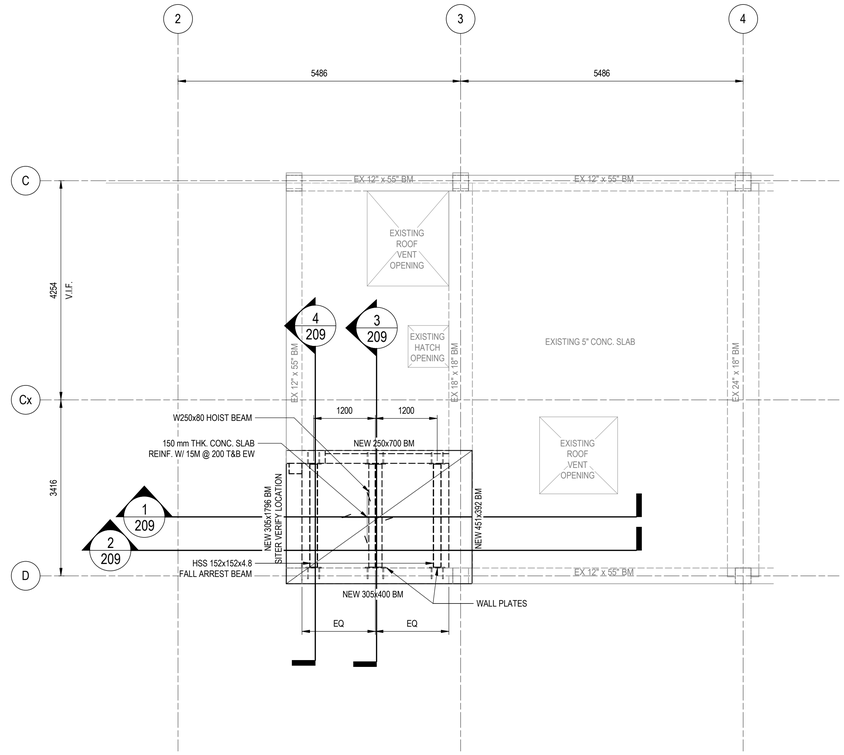
NOTES

1. REFER TO SHEET NO. S201.



1/207 MAIN ROOF FRAMING PLAN

SCALE: 1 : 50



2/207 TOP OF ELEVATOR ROOF STRUCTURE

SCALE: 1 : 50

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128648
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER	DATE
STRUCTURAL	2024-03-08

SUBJECT | SUJET
ELEVATOR FRAMING PLANS 03

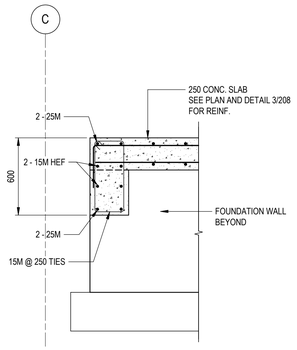
PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

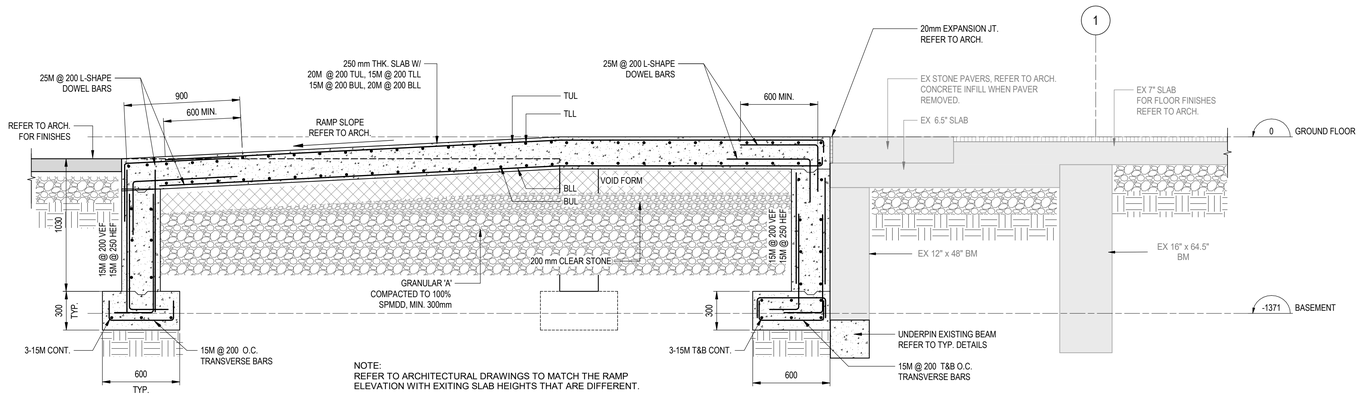
WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 207

Canada

2026-03-23 3:35:50 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND23-10031_PS_DND_ST_Kingston_MasseyLibrary_R24.rvt

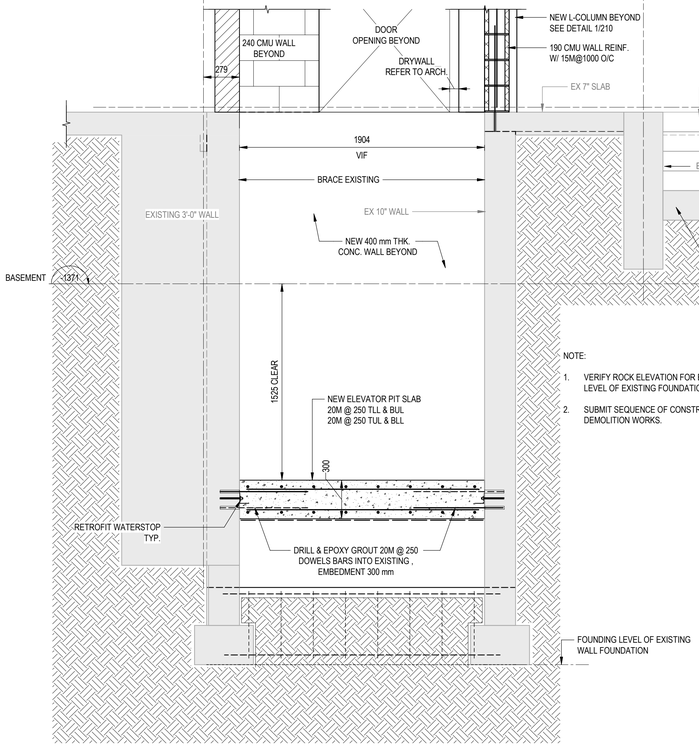




NOTE:
REFER TO ARCHITECTURAL DRAWINGS TO MATCH THE RAMP ELEVATION WITH EXITING SLAB HEIGHTS THAT ARE DIFFERENT.

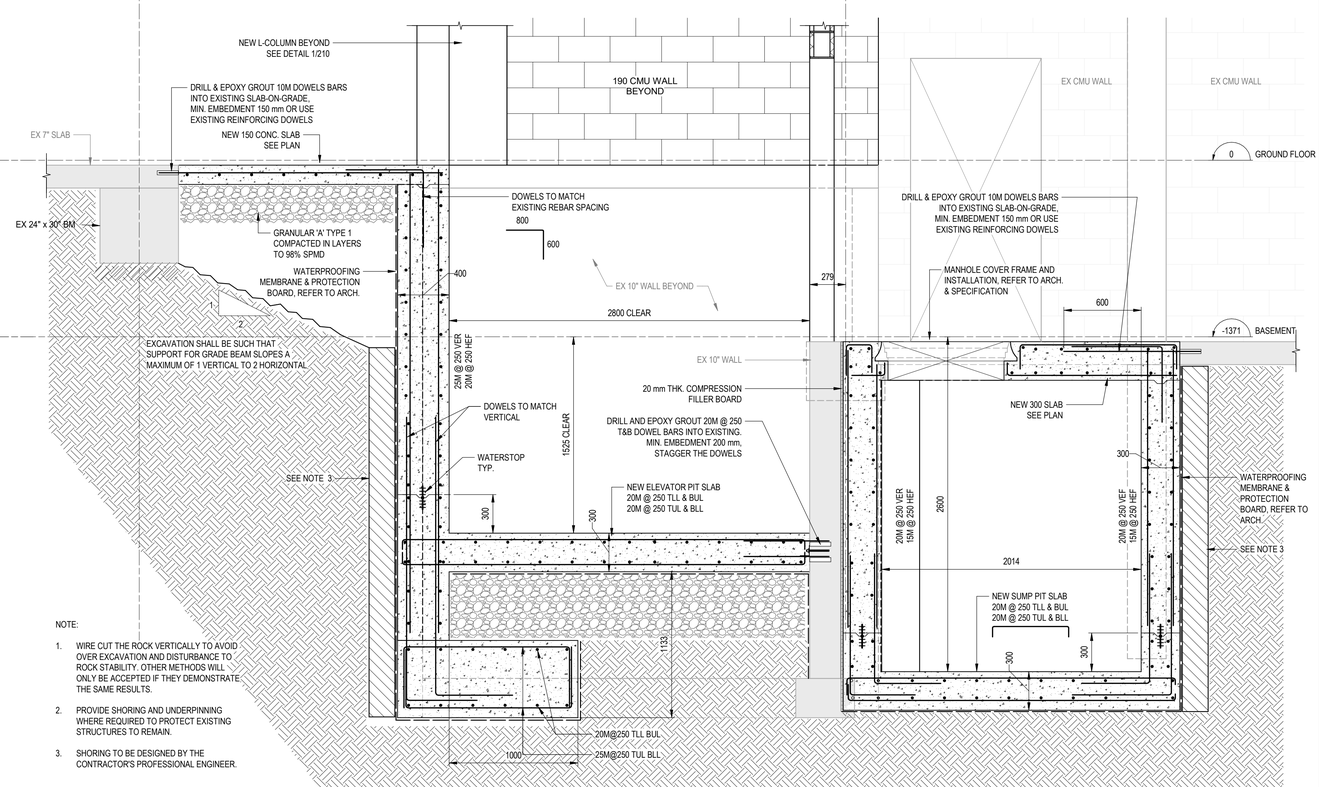
4/208 300 x 600 CONCRETE BEAM DETAIL
SCALE: 1 : 20

3/208 ENTRANCE RAMP DETAIL
SCALE: 1 : 20



NOTE:

1. VERIFY ROCK ELEVATION FOR ESTABLISHING FOUNDING LEVEL OF EXISTING FOUNDATION.
2. SUBMIT SEQUENCE OF CONSTRUCTION BEFORE ANY DEMOLITION WORKS.



NOTE:

1. WIRE CUT THE ROCK VERTICALLY TO AVOID OVER EXCAVATION AND DISTURBANCE TO ROCK STABILITY. OTHER METHODS WILL ONLY BE ACCEPTED IF THEY DEMONSTRATE THE SAME RESULTS.
2. PROVIDE SHORING AND UNDERPINNING WHERE REQUIRED TO PROTECT EXISTING STRUCTURES TO REMAIN.
3. SHORING TO BE DESIGNED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER.

2/208 S40_SUMP PIT DETAIL-2
SCALE: 1 : 20

1/208 S40_SUMP PIT DETAIL-1
SCALE: 1 : 20

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

H. SAFFARINI
100128049
2026-03-23
LICENSED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER	DATE
STRUCTURAL	2024-03-08

SUBJECT | SUJET
FOUNDATION DETAILS

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 208

Canada

2026-03-23 3:55:51 PM Autodesk Docs://ENG Massey Hall Elevator Upgrade/CNVOT23-10003_PB_ENG_ST_Kingston_Massey_Library_R24.rvt

NOTE

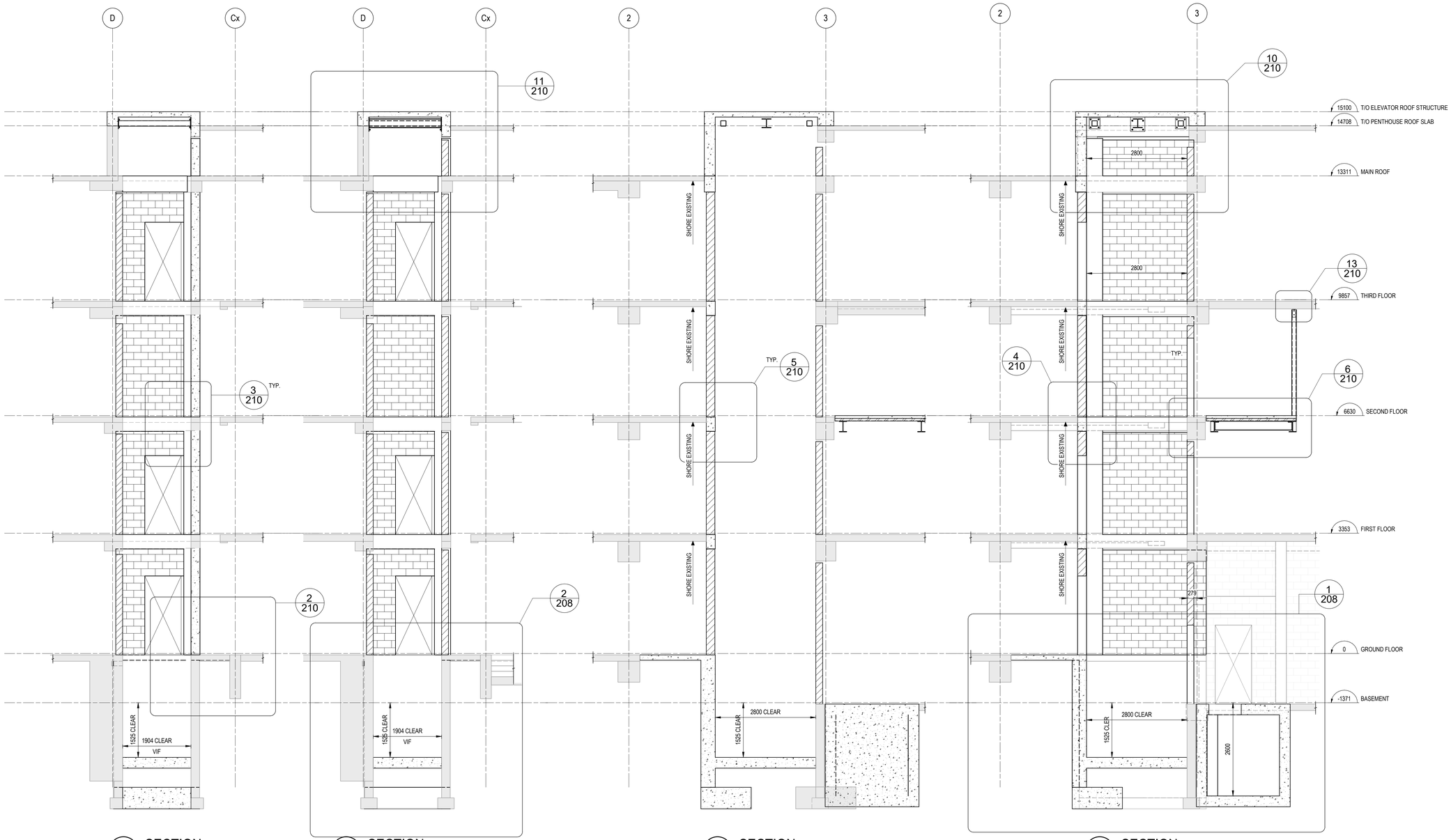
REFER TO ARCHITECTURE FOR:

- SETTING OUT OF NEW CONCRETE BLOCK MASONRY WALL.

- REMOVAL EXISTING TERRACOTTA WALL, VERIFY ON SITE IF LOAD BEARING.

- ACHIEVING THE MODIFIED ELEVATOR SHAFT OPENING ON THE SOUTH SIDE.

- ALIGN INSIDE FACE OF NEW SHAFT WALLS WITH ELEVATOR SHAFT OPENING.



4 / 209 SECTION
SCALE: 1 : 50

3 / 209 SECTION
SCALE: 1 : 50

2 / 209 SECTION
SCALE: 1 : 50

1 / 209 SECTION
SCALE: 1 : 50

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER | LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128546
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER	DATE
STRUCTURAL	2024-03-08

SUBJECT | SUJET
BUILDING SECTIONS

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621 & 110593

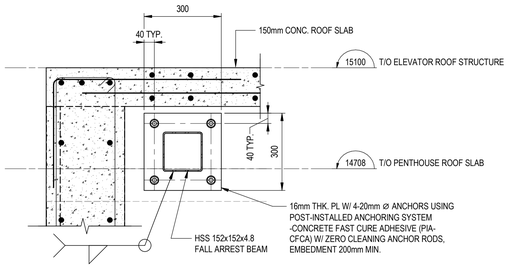
DWG. NO. | NO. DESSIN
K-K74-7701/35 - 209

Canada

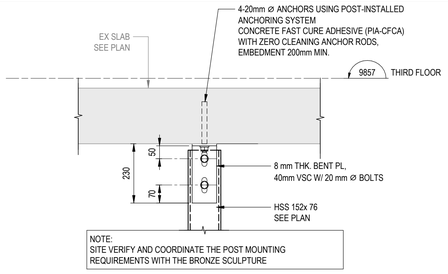
Autodesk Docs://ENG Massey Hall Elevator Upgrade/ON/0723-0003_PB_ENG_ST_Kingston_Massey_Library_R24.rvt
2026-03-23 3:35:52 PM

NOTES:

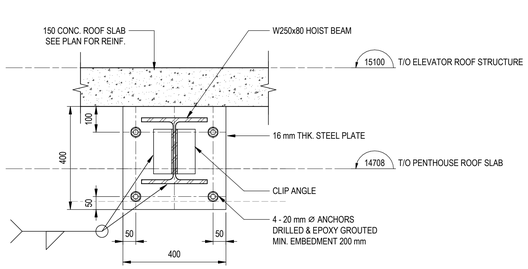
1. SCAN EXISTING CONCRETE FOR REBAR LOCATION PRIOR TO DRILLING ANCHOR HOLES IN CONCRETE AND WALL PLATE FABRICATION/ANCHOR HOLE LAYOUT.
2. ALL SHOWN SHORING OF EXISTING STRUCTURAL ELEMENTS ARE ONLY INDICATIVE AND SHALL BE SITE VERIFIED FOR ACTUAL SITE REQUIREMENT AND DESIGNED BY A PROFESSIONAL ENGINEER.



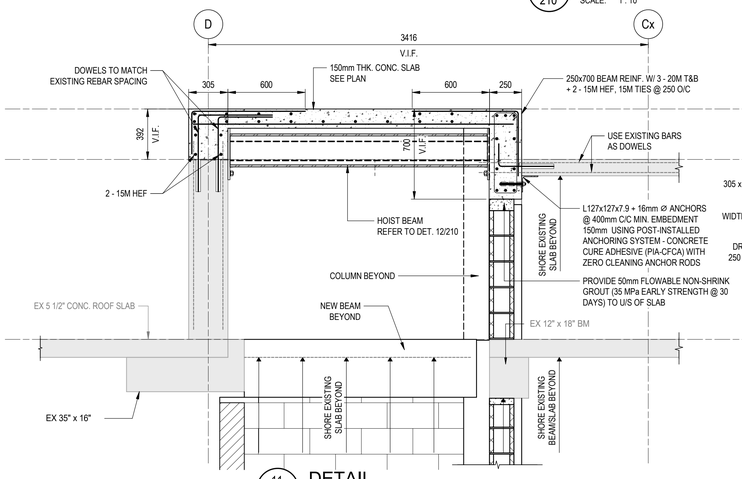
14/210 DETAIL - FALL ARREST BEAM WALL PLATE
SCALE: 1 : 10



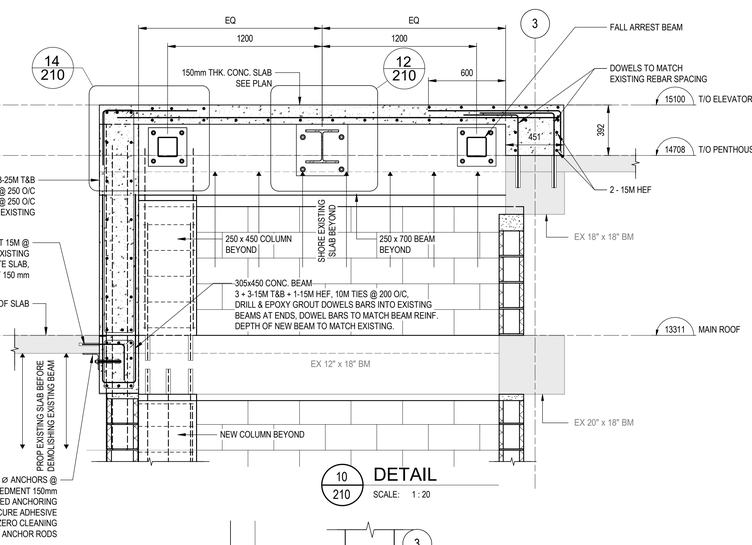
13/210 DETAIL - COLUMN AND SLAB CONNECTION
SCALE: 1 : 10



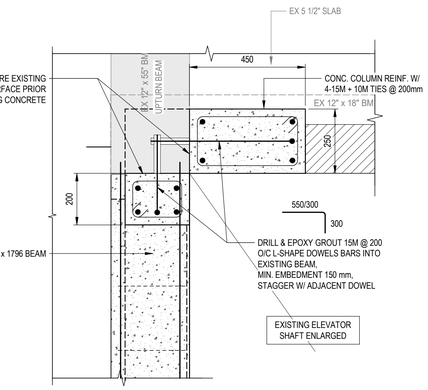
12/210 DETAIL - HOIST BEAM WALL PLATE
SCALE: 1 : 10



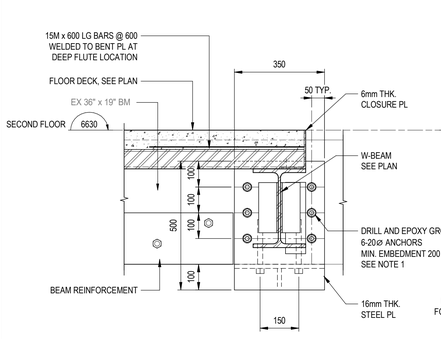
11/210 DETAIL
SCALE: 1 : 20



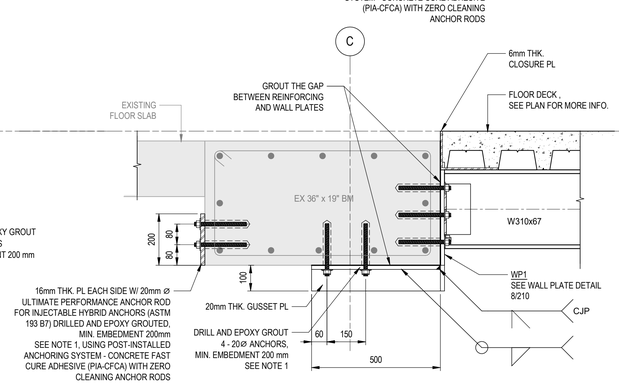
10/210 DETAIL
SCALE: 1 : 20



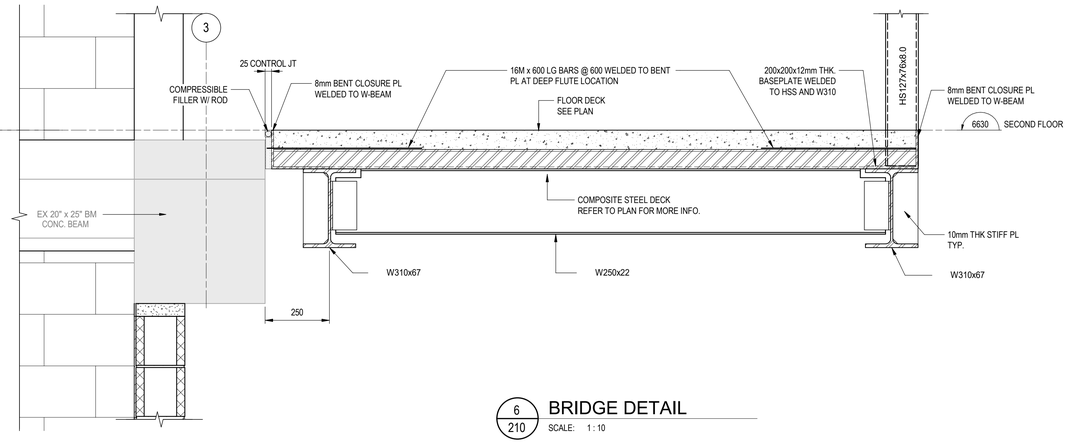
9/210 COLUMN PLAN DETAIL AT MAIN ROOF
SCALE: 1 : 10



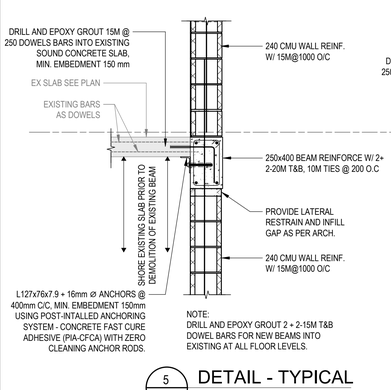
8/210 WP1 - WALL PLATE DETAIL
SCALE: 1 : 10



7/210 WALL PLATE CONNECTION DETAIL - TYPICAL
SCALE: 1 : 10

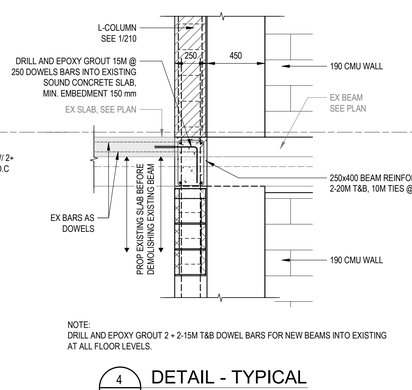


6/210 BRIDGE DETAIL
SCALE: 1 : 10



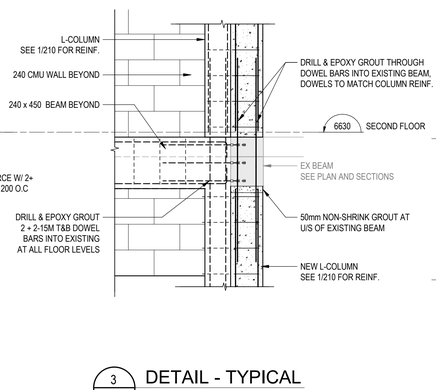
NOTE:
DRILL AND EPOXY GROUT 2 + 2-15M T&B DOWEL BARS FOR NEW BEAMS INTO EXISTING AT ALL FLOOR LEVELS.

5/210 DETAIL - TYPICAL
SCALE: 1 : 20

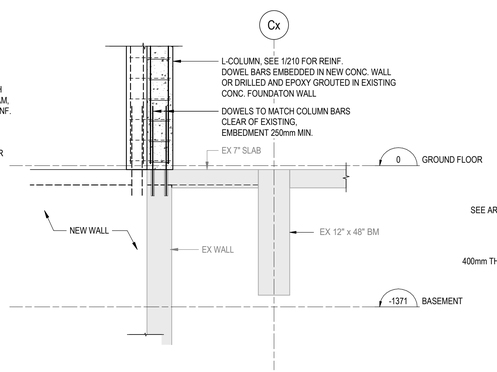


NOTE:
DRILL AND EPOXY GROUT 2 + 2-15M T&B DOWEL BARS FOR NEW BEAMS INTO EXISTING AT ALL FLOOR LEVELS.

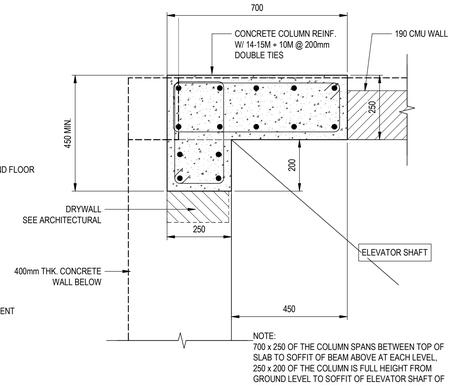
4/210 DETAIL - TYPICAL
SCALE: 1 : 20



3/210 DETAIL - TYPICAL
SCALE: 1 : 20



2/210 DETAIL
SCALE: 1 : 25



NOTE:
700 x 250 OF THE COLUMN SPANS BETWEEN TOP OF SLAB TO SOFFIT OF BEAM ABOVE AT EACH LEVEL, 250 x 200 OF THE COLUMN IS FULL HEIGHT FROM GROUND LEVEL TO SOFFIT OF ELEVATOR SHAFT OF NEW ROOF SLAB, REFER TO SECTION AND DETAILS.

1/210 L-CONCRETE COLUMN PLAN DETAIL
SCALE: 1 : 10

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

H. SAFFARINI 100128048 2026-03-23 PROVINCE OF ONTARIO LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER	DATE
STRUCTURAL	2024-03-08

SUBJECT | SUJET
SECTIONS AND DETAILS 01

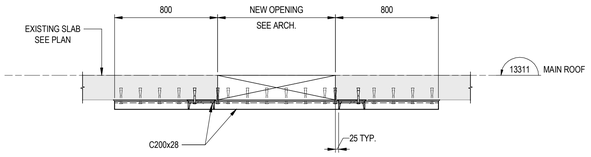
PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 210

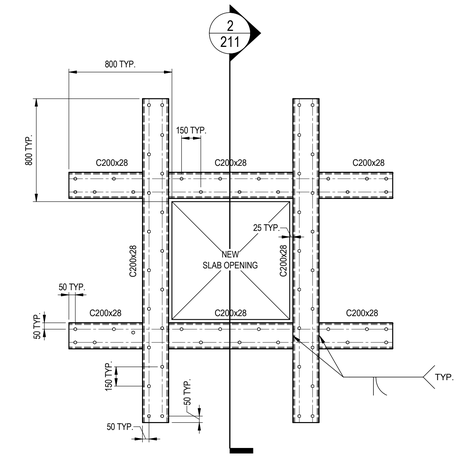
Canada

2026-03-23 3:35:52 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DNDT23-0003_PB_DND_ST_Kingston_MasseyLibrary_R24.rvt



2 / 211 SECTION

SCALE: 1 : 20



NOTE:
REINFORCE EXISTING SLAB PRIOR TO CUTTING NEW SLAB OPENING. INSTALL C200x28 W/ 12mm ø ULTIMATE PERFORMANCE WEDGE ANCHOR AT 150 O/C (STAGGERED) TO THE SOFFIT OF EXISTING SUSPENDED SLAB IN SOUND CONCRETE, MIN. EMBEDMENT 90 mm, PROVIDE 2 HOURS INTUMESCENT FIREPROOFING COATING. FULLY GROUT THE GAP BETWEEN SOFFIT AND CHANNEL.

1 / 211 ROOF HATCH PLAN DETAIL - REFLECTED CEILING VIEW

SCALE: 1 : 20

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128548
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER

DATE
03/18/24

SUBJECT | SUJET
SECTIONS AND DETAILS 02

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621 & 110593

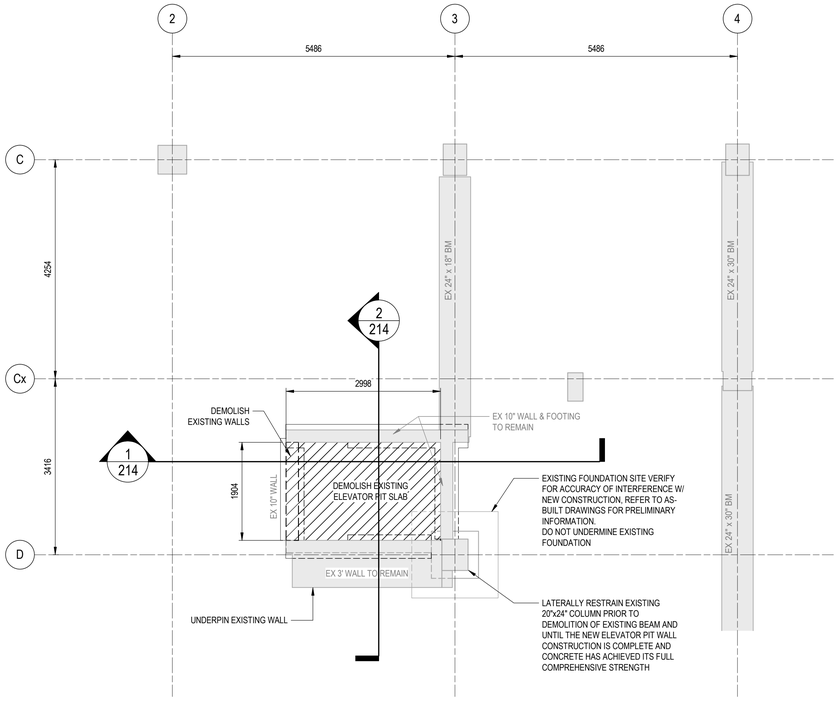
DWG. NO. | NO. DESSIN
K-K74-7701/35 - 211

Canada

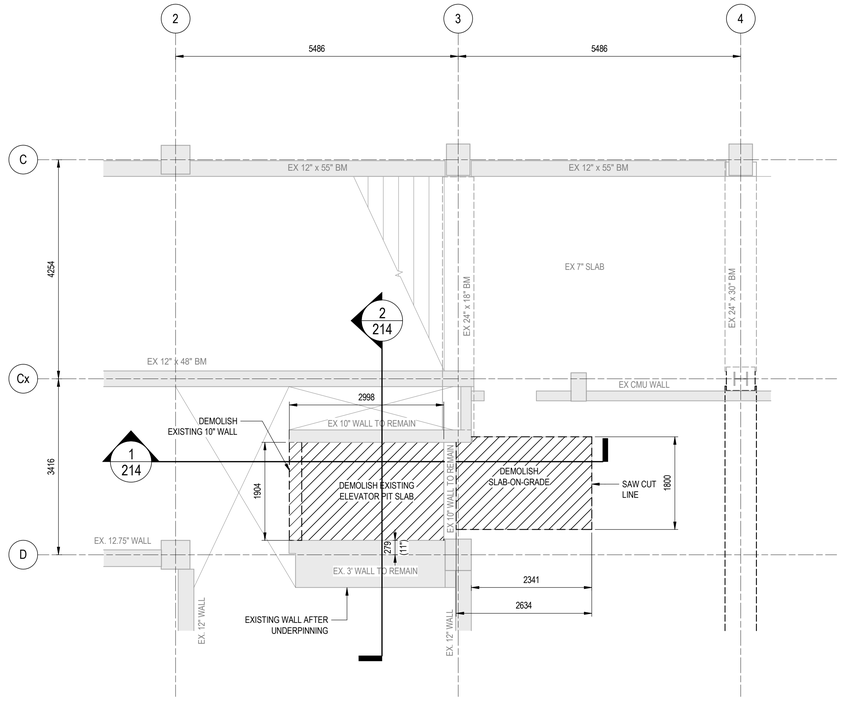
2026-03-23 3:35:53 PM Autodesk Docs://CNO Massey Hall Elevator Upgrade/CNOT23-0003_PB_DNO_ST_Kingston_Massey_Library_R24.rvt

NOTES:

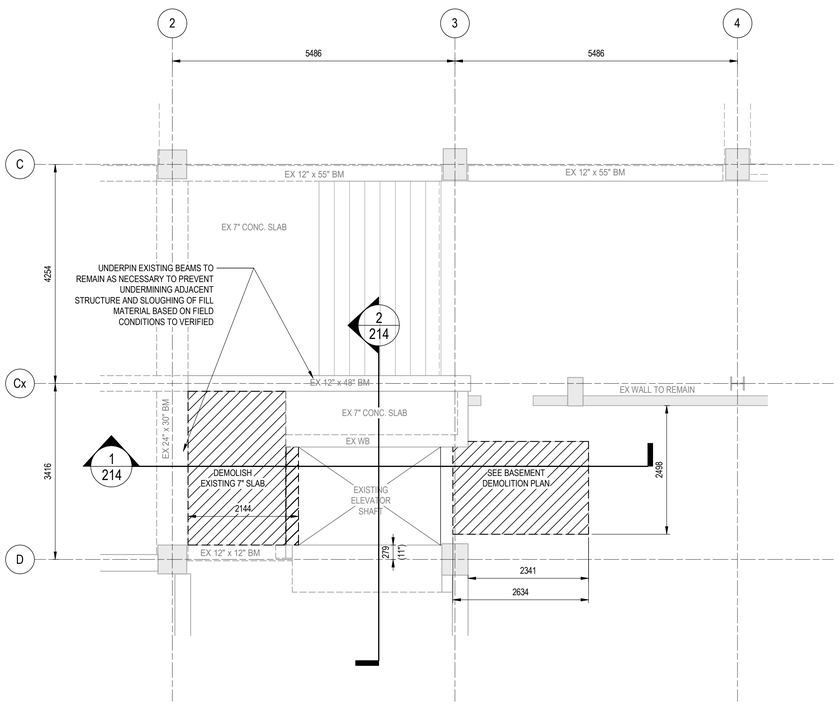
1. ALL DEMOLITION DIMENSIONS NOTED ARE FOR REFERENCE AND FOR THE PURPOSE OF ESTIMATION ONLY. FIELD VERIFY THE EXTENTS AND DIMENSIONS FOR DEMOLITION THAT ARE COORDINATED WITH THE SEQUENCE OF CONSTRUCTION AND OR MEANS AND METHOD ADOPTED FOR DEMOLITION METHODOLOGY, DEMOLITION SEQUENCE AND DEMOLITION EQUIPMENT FOR DCC REPRESENTATIVE REVIEW. USE LIGHT PRECISION EQUIPMENT AND TOOLS FOR DEMOLITION.
2. INSTALL TEMPORARY SHORING TO DIRECT ALL THE LOADS FROM THE EXISTING STRUCTURE SUCH AS SLABS/BEAMS DOWN TO THE GRADE INDEPENDENTLY WITHOUT LOADING THE STRUCTURE BELOW THE SHORING LEVEL.
3. FIELD VERIFY REQUIRED ELEVATOR DIMENSION AS AVAILABLE TO EXISTING BEFORE DEMOLITION.



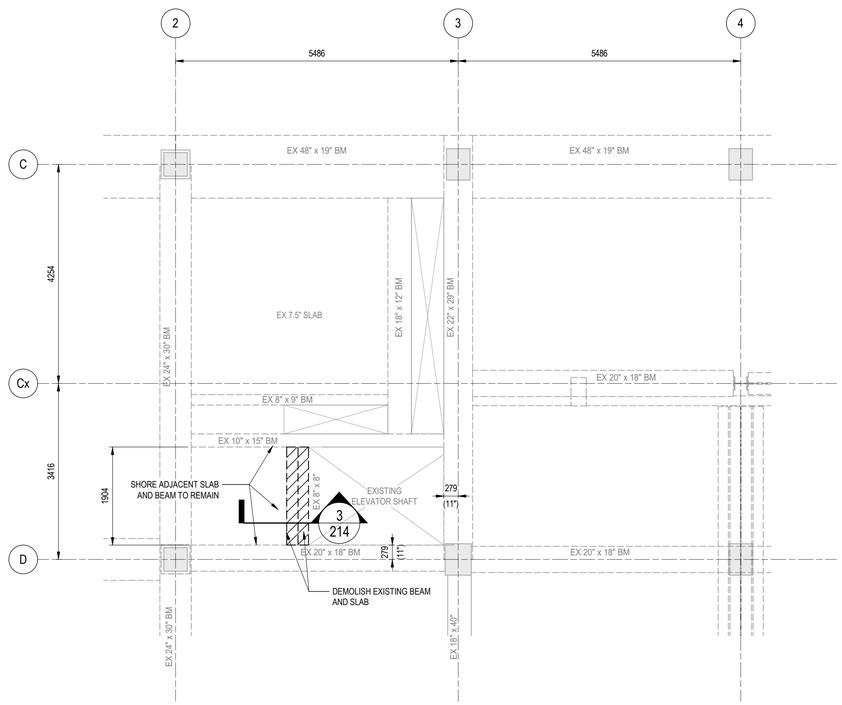
1/212 FOUNDATION DEMOLITION PLAN
SCALE: 1 : 50



2/212 BASEMENT DEMOLITION PLAN
SCALE: 1 : 50



3/212 GROUND FLOOR DEMOLITION PLAN
SCALE: 1 : 50



4/212 FIRST FLOOR DEMOLITION PLAN
SCALE: 1 : 50

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128548
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER	DATE
STRUCTURAL	2024-03-08

SUBJECT | SUJET
DEMOLITION PLANS 01

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 212

Canada

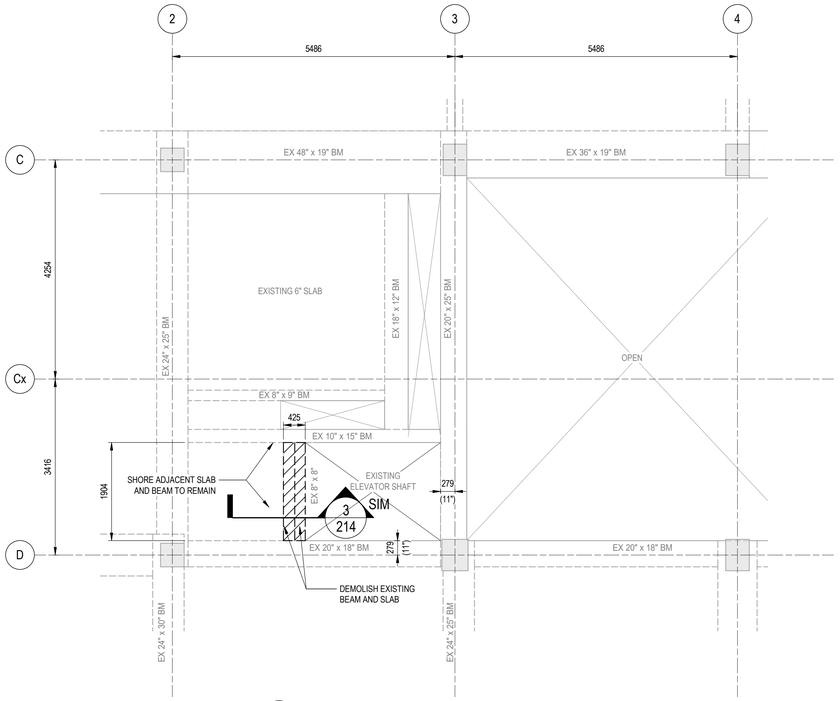
2026-03-23,3:33:53 PM Autodesk Docs://2ND Massey Hall Elevator Upgrade/2ND723-0003_PB_2ND_ST_Kingston_Massey_Library_R24.rvt

NOTES:

1. ALL DEMOLITION DIMENSIONS NOTED ARE FOR REFERENCE AND FOR THE PURPOSE OF ESTIMATION ONLY, FIELD VERIFY THE EXTENTS AND DIMENSIONS FOR DEMOLITION THAT ARE COORDINATED WITH THE SEQUENCE OF CONSTRUCTION AND OR MEANS AND METHOD ADOPTED FOR DEMOLITION METHODOLOGY, DEMOLITION SEQUENCE AND DEMOLITION EQUIPMENT FOR DCC REPRESENTATIVE REVIEW. USE LIGHT PRECISION EQUIPMENT AND TOOLS FOR DEMOLITION.

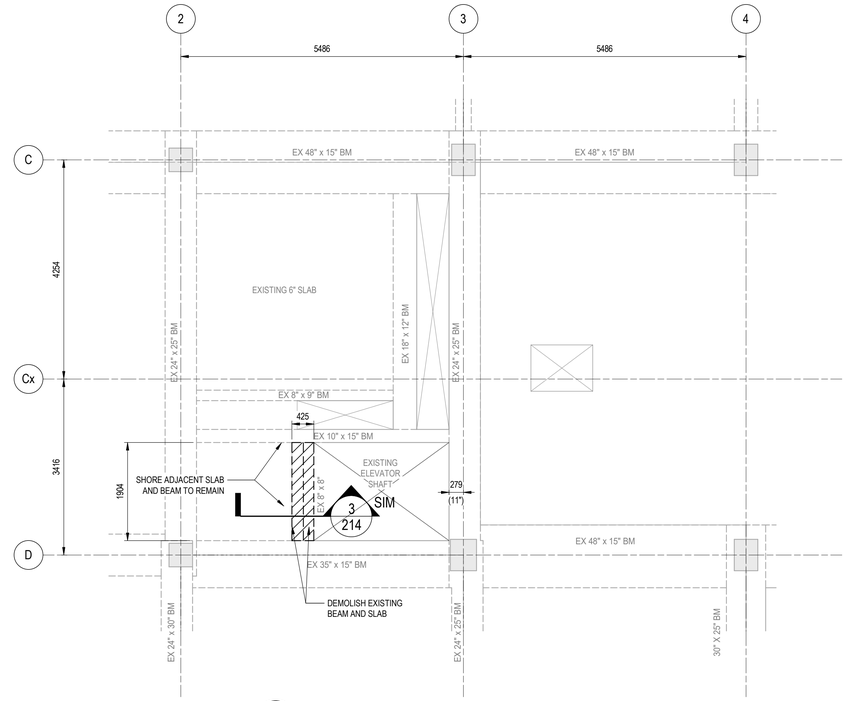
2. INSTALL TEMPORARY SHORING TO DIRECT ALL THE LOADS FROM THE EXISTING STRUCTURE SUCH AS SLABS/BEAMS DOWN TO THE GRADE INDEPENDENTLY WITHOUT LOADING THE STRUCTURE BELOW THE SHORING LEVEL.

3. FIELD VERIFY REQUIRED ELEVATOR DIMENSION AS AVAILABLE TO EXISTING BEFORE DEMOLITION.



1/213 SECOND FLOOR DEMOLITION PLAN

SCALE: 1 : 50

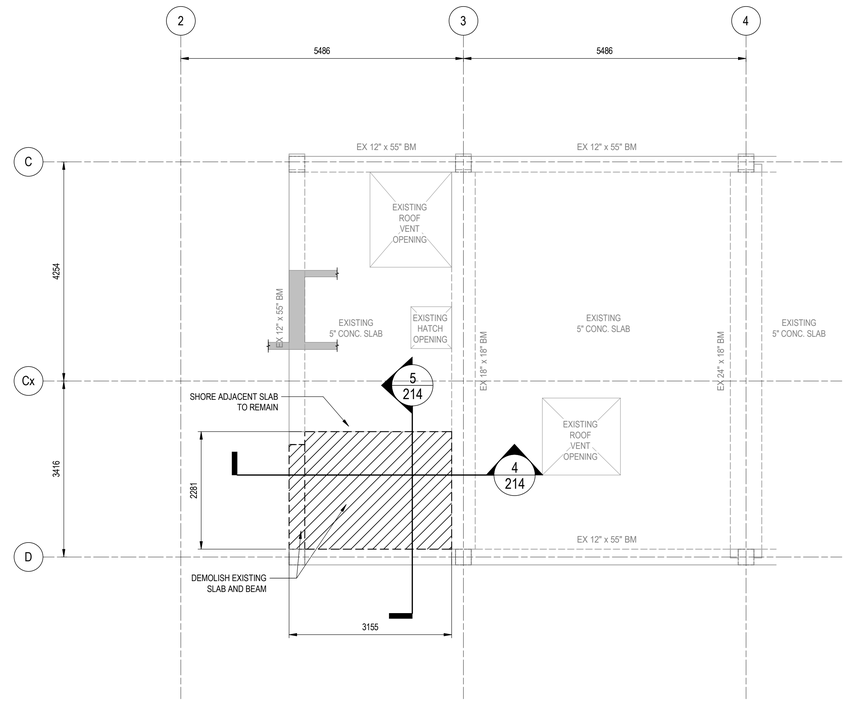


2/213 THIRD FLOOR DEMOLITION PLAN

SCALE: 1 : 50

3/213 MAIN ROOF DEMOLITION PLAN

SCALE: 1 : 50



4/213 PENTHOUSE ROOF DEMOLITION PLAN

SCALE: 1 : 50

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100126940
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER	DATE
STRUCTURAL	2024-03-08

SUBJECT | SUJET
DEMOLITION PLANS 02

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ Designer		DES O | AGENT CONC
DRAWN | DESSINÉ Author		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ Checker		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621 & 110593

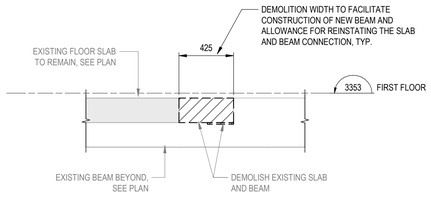
DWG. NO. | NO. DESSIN
K-K74-7701/35 - 213

Canada

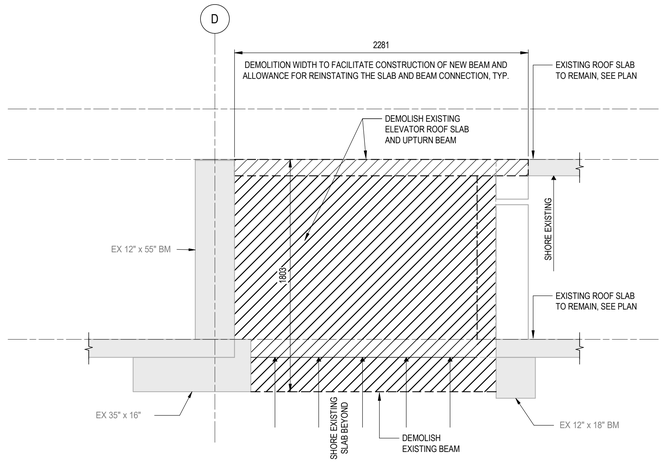
2026-03-23 3:35:53 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNO723-0003_PB_DND_ST_Kingston_Massey_Library_R24.rvt

NOTES:

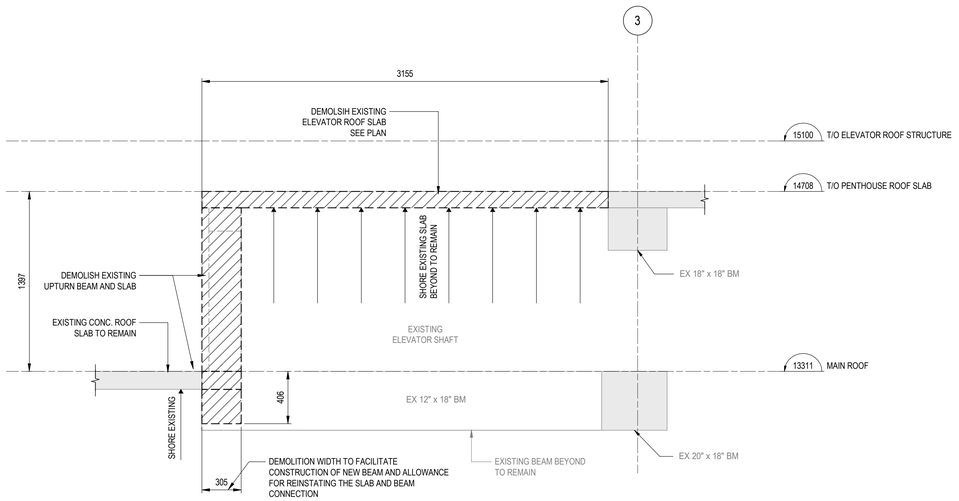
1. ALL DEMOLITION DIMENSIONS NOTED ARE FOR REFERENCE AND FOR THE PURPOSE OF ESTIMATION ONLY. FIELD VERIFY THE EXTENTS AND DIMENSIONS FOR DEMOLITION THAT ARE COORDINATED WITH THE SEQUENCE OF CONSTRUCTION AND OR MEANS AND METHOD ADOPTED FOR DEMOLITION METHODOLOGY, DEMOLITION SEQUENCE AND DEMOLITION EQUIPMENT FOR CLIENT/OCC REPRESENTATIVE REVIEW. USE LIGHT PRECISION EQUIPMENT AND TOOLS FOR DEMOLITION.
2. INSTALL TEMPORARY SHORING TO DIRECT ALL THE LOADS FROM THE EXISTING STRUCTURE SUCH AS SLABS/BEAMS DOWN TO THE GRADE INDEPENDENTLY WITHOUT LOADING THE STRUCTURE BELOW THE SHORING LEVEL.
3. FIELD VERIFY REQUIRED ELEVATOR DIMENSION AS AVAILABLE TO EXISTING BEFORE DEMOLITION.



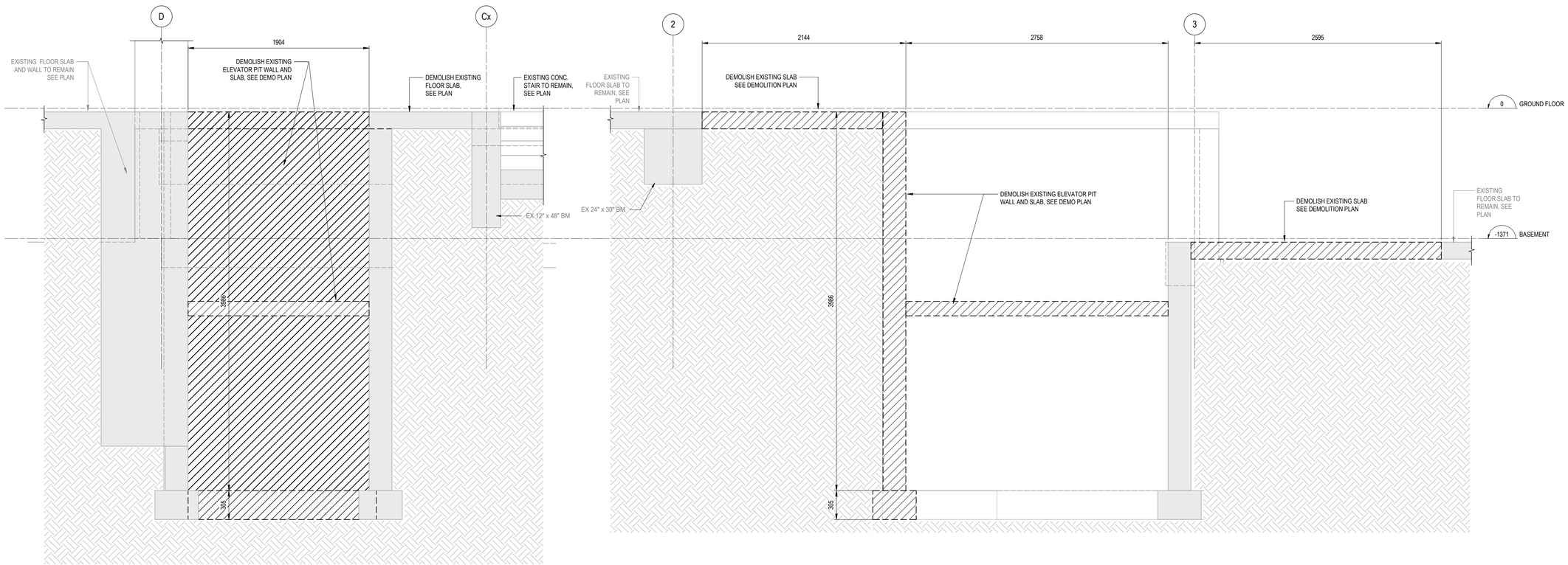
3/214 SECTION
SCALE: 1 : 20



5/214 SECTION
SCALE: 1 : 20



4/214 SECTION
SCALE: 1 : 20



2/214 SECTION
SCALE: 1 : 20

1/214 SECTION
SCALE: 1 : 20

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
H. SAFFARINI
100128546
2026-03-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER

DATE
03/18/24

SUBJECT | SUJET
DEMOLITION DETAILS 01

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. ALEXANDER		DES O | AGENT CONC
DRAWN | DESSINÉ R. ENDAYA		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ H. SAFFARINI		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 214

Canada

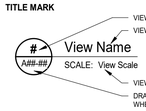
2026-03-23 3:35:53 PM Autodesk Docs://ENG Massey Hall Elevator Upgrade/ON/0723-0003_PB_ENG_ST_Kingston_Massey_Library_R24.rvt

GENERAL LEGEND

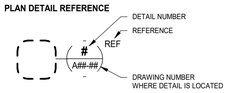


SYMBOL LEGEND

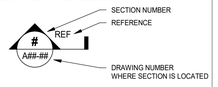
TITLE MARK



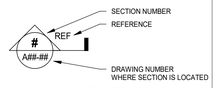
PLAN DETAIL REFERENCE



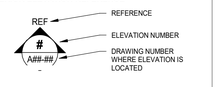
BUILDING SECTION REFERENCE



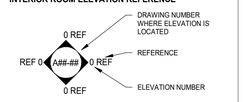
WALL / DETAIL SECTION REFERENCE



EXTERIOR ELEVATION REFERENCE



INTERIOR ROOM ELEVATION REFERENCE



GRID TAG



LEVEL TAG



HEIGHT ELEVATION TAG

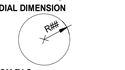


LINEAR DIMENSION

ANGULAR DIMENSION



RADIAL DIMENSION



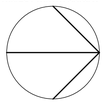
ROOM TAG



DOOR NUMBER TAG



PROJECT NORTH ARROW



EXTERIOR WALL/ CURTAIN WALL/ PARTITON ASSEMBLY TAG

ABBREVIATIONS

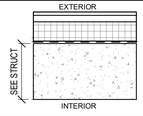
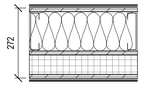
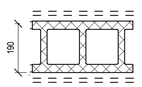
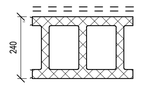
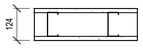
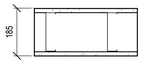
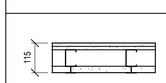
AB	ANCHOR BOLT	MAX	MAXIMUM
ADJ	ADJUSTABLE	MC	MOMENT CONNECTION
ALT	ALTERNATE	MECH	MECHANICAL
ARCH	ARCHITECTURAL	MEZZ	MEZZANINE
AIFB	ASPHALT IMPREGNATED FIBREBOARD	MID	MIDDLE
		MISC	MISCELLANEOUS
B, BOTT	BOTTOM	MIN	MINIMUM
BC	ELEV BOTT. OF CAISSON	ML	MIDDLE LAYER
BET	BETWEEN	m	METER
BEW	BOTTOM EACH WAY	m^2	SQUARE METER
BLDG	BUILDING	mm	MILLIMETER
BLL	BOTTOM LOWER LAYER	MPa	MEGAPASCAL
BM	BEAM		
BM	BENDING MOMENT BAR	NBC	NATIONAL BUILDING CODE OF CANADA
BPL	BEARING/BASE PLATE	NCB	NO COLUMN BELOW
BRG	BEARING	NF	NEAR FACE
BSMT	BASEMENT	NIC	NOT IN CONTRACT
BUL	BOTTOM UPPER LAYER	NTS	NOT TO SCALE
C	CHANNEL	o/c	ON CENTER
c/c	CNETRE TO CENTRE	o/o	OUT TO OUT
C/W	CONNECT/ COMPLETE WITH	OPNG	OPENING
CA	COLUMN ABOVE	OPP	OPPOSITE
CB	COLUMN BELOW	OWSJ	OPEN WEB STEEL JOIST
CF	CONCRETE FIREPROOFING		
CFA	CLEAR FLOOR AREA (ACCESSIBILITY)	PC	PRECAST
CJ	CONTROL JOINT	PDO	POWER DOOR OPERATOR
CL	CLEAR	PL	PLATE
CL	CENTRE LINE	PROJ	PROJECTION
COMP	COMPOSITE	P/T	POST TENSIONED
COL	COLUMN	PVC	POLYVINYL CHLORIDE
CONC	CONCRETE		
CONST JT	CONSTRUCTION JOINT	R	REACTION, RADIUS
CONT	CONTINUOUS	REF	REFERENCE
CR	CARD READER	REM	REMAINDER
		REQ'D	REQUIRED
DET	DETAIL	REV	REVISION
D FIR	DOUGLAS FIR	RE	RIGHT END
DIA	DIAMETER	REINF	REINFORCEMENT
DIM	DIMENSION		
DIAG	DIAGONAL	S	SHAFT WALL
DL	DEAD LOAD	SA	SELF-ADHERED
DO,*	DITTO	S.S.	SINGLE STIRRUP
DP	DEEP	SDF	STEP DOWN FOOTING
DWG	DRAWING	SECT	SECTION
DWL	DOWEL	SF	SPRAY FIREPROOFED
DN	DOWN	SIM	SIMILAR
D.S.	DOUBLE STIRRUPS	SL	SLAB
		SOG	SLAB ON GRADE
EA	EACH	SP	SPANDREL; SPRUCE
EC	EPOXY COATED	SPEC	SPECIFICATION
ED	EXIT DEVICE	STD	STANDARD
EE	EACH END	STRUCT	STRUCTURAL
EF	EACH FACE	STIFF	STIFFENER
EJ, EXP_JT	EXPANSION JOINT	SQ	SQUARE
EL, ELEV	ELECTRICAL	ST	STRAIGHT
EMBED	EMBEDMENT	STIR	STIRRUP
EQ	EQUAL		
EW	EXTERIOR WALL	t	THICKNESS
EX, EXIST	EXISTING	T	TOP
EXT	EXTERIOR	T&B	TOP AND BOTTOM
		TC	ELEV TOP OF CAISSON
F	FURRING	TEMP	TEMPATURE
FIN	FINISHED	TEW	TOP EACH WAY
FL	FLOOR	TJ	TIE JOIST
FTG	FOOTING	TLE	TOP LEFT END
FMC	FULL MOMENT CONNECTION	TLL	TOP LOWER LAYER
FF	FAR FACE	TRE	TOP RIGHT END
		TUL	TOP UPPER LAYER
GALV	GALVANIZED	TYP	TYPICAL
GA	GAUGE	T/O	TOP OF
GL	GRIDLINE	TOS	TOP OF SLAB
GWB	GYPSUM WALLBOARD	TSB	TENSION SPLICE CLASS B
HEE	HOOK EACH END	USF	UNDERSIDE OF FOOTING
HH	HOOK-HOOK (HOOK EACH END)	U/S	UNDERSIDE
HIF	HORIZONTAL INSIDE FACE	U/S	UNLESS NOTED
HOF	HORIZONTAL OUTSIDE FACE	UL	UPPER LAYER
HOR, HORIZ	HORIZONTAL	UPT	UPTURNED
HEF	HORIZONTAL EACH FACE		
HSS	HOLLOW STRUCTURAL SECTION	VERT	VERTICAL
HP	HIGH POINT	VBF	VERTICAL BRACED FRAME
		VEF	VERTICAL EACH FACE
INT	INTERIOR	VOF	VERTICAL OUTSIDE FACE
ID	INSIDE DIAMETER	VIF	VERTICAL INSIDE FACE
		VSC	VERTICAL SLOTTED CONNECTION
k	KILO		
kN	KILONEWTON	W	WIDE FLANGE BEAM
kPa	KILOPOASCAL	WP	WALL PLATE OR WORKING POINT
		WT	STRUCTURAL TEE
Ld	TENSION ANCHORAGE LENGTH	WWF	WELDED WIRE FABRIC
LE	LEFT END	WWF	WELDED WIRE FLANGE
LG	LONGLENGTH		
LL	LIVE LOAD		
LLV	LONG LEG VERTICAL		
LLH	LONG LEG HORIZONTAL		
L	SINGLE ANGLE		
LP	LOW POINT		

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. ALL DIMENSIONS GIVEN ON DRAWINGS ARE IN METRIC SYSTEM. ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.
2. ALL CONTRACT DOCUMENTS TO BE READ IN CONJUCTION WITH EACH OTHER AND PROJECT SPECIFICATIONS.
3. ALL WALLS TO EXTEND FROM FLOOR SLAB TO UNDERSIDE OF STRUCTURE UNLESS NOTED OTHERWISE.
4. ALL JOINTS & PENETRATIONS IN FIRE RATED (FR) ASSEMBLIES TO BE FIRE STOPPED AND SEALED TO MAINTAIN THE REQUIRED FR RATING.
5. ADVISE DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES WITH PLANS OR CONFLICTS WITH ANY PARTS OF THE WORK. ADJUST AS REQUIRED BASED ON REVIEW.
6. PARTITIONS ARE DIMENSIONED TO FACE OF WALL. ALL DIMENSIONS ASSOCIATED WITH EXISTING BUILDING ARE APPROXIMATE AND TO BE VERIFIED ON SITE.
7. INFILL, PATCH AND REPAIR EXISTING PARTITIONS AFFECTED BY THESE WORKS. MAKE GOOD ALL SURFACES.

CONSTRUCTION ASSEMBLIES

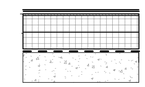
WALL TYPES

GRAPHICS (N.T.S.)	TYPE	CONSTRUCTION	RATING
	EW-1	PREFINISHED METAL SIDING (PNL-1) 100mm GALV STL FRAMING 75mm (R15) SEMI-RIGID MINERAL FIBRE INSULATION SA AVB LAYER REINFORCED CONCRETE (SEE STRUCT)	
	EW-2	(RF-1) ROOFING EXTENDED VERTICALLY OVER 16mm EXT GRADE SHEATHING 75mm (R15) SEMI-RIGID MINERAL FIBRE INSULATION SA AVB LAYER 16mm SHEATHING 152mm STRUCT STEEL STUD w. 150mm BATT INS 16mm EXT GRADE SHEATHING VERTICAL (RF-1) ROOFING	
	M-1	190mm REINFORCED CMU-1 STACK BOND COURSING TO MATCH EXISTING	2HR ULC U905
	M-1A	ADD TO ONE SIDE: 22mm GALV HAT CHANNEL 16mm GWB	
	M-1B	ADD TO BOTH SIDES: 16mm GWB 22mm GALV HAT CHANNEL	
	M-2	240mm REINFORCED CMU-2 STACK BOND COURSING TO MATCH EXISTING	2HR ULC U905
	M-2A	ADD TO ONE SIDE: 22mm GALV HAT CHANNEL 16mm GWB	
	P-1	16mm TYPE "X" GYPSUM BOARD 92mm STUDS @ 400mm o.c 16mm TYPE "X" GYPSUM BOARD	1HR ULC W453
	P-1a	16mm GYPSUM BOARD 92mm STUDS @ 400mm o.c 16mm GYPSUM BOARD	
	P-2	16mm TYPE "X" GYPSUM BOARD 152mm STUDS @ 400mm o.c 16mm TYPE "X" GYPSUM BOARD	1HR ULC W453
	S-1	16mm TYPE 'X' GYPSUM BOARD 92mm C-H SHAPED SHAFTWALL STUDS MIN .046mm GALV STL @ 610mm o.c 25mm TYPE 'X' GYPSUM BOARD LINER PANEL	1HR ULC W452
	S-2	16mm TYPE 'X' GYPSUM BOARD 64mm C-H SHAPED SHAFTWALL STUDS MIN .046mm GALV STL @ 610mm o.c 25mm TYPE 'X' GYPSUM BOARD LINER PANEL	2HR ULC W452

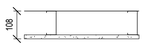
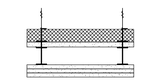
FURRING TYPES

	F-1	16mm GWB ON 22mm GALV STL HAT CHANNEL @ 400mm oc	
	F-2	16mm GWB ON 42mm GALV STL STUD @ 400mm oc	

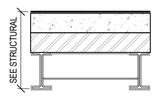
ROOF TYPES

GRAPHICS (N.T.S.)	TYPE	CONSTRUCTION	RATING
	R-1	2-PLY MOD. BIT. ROOF MEMBRANE (RF-1) INSULATION OVERLAY BOARD 2 LAYERS POLYISO INSULATION, SLOPED TO DRAIN (R30) SA AIR/VAPOUR BARRIER CONCRETE SLAB (SEE STRUCTURAL)	

CEILING TYPES

	C-1	92mm STL FRAMING 16MM GWB	
	C-2	HANGER WIRE MIN. 8Ga @ 600MM O.C 50mm MINERAL WOOL C-CHANNEL 150mm GALV. STL SECURED BOTH SIDES TO 100mm GALV. STL J-TRACK CONNECTED TO 100mm C-T SHAPED STUDS MIN .046mm GALV STL @ 610mm o.c, 25mm TYPE 'X' GYPSUM BOARD LINER PANEL 3-LAYERS 16mm TYPE 'X' GYPSUM BOARD	2HR ULC I516

FLOOR TYPES

GRAPHICS (N.T.S.)	TYPE	CONSTRUCTION	RATING
	FL-1	3mm RESILIENT TILE FLOORING (RTF-1) - TO MATCH ADJACENT EXISTING FLOOR FINISH CONCRETE SLAB ON COMPOSITE STEEL DECK w. SPRAY APPLIED FIREPROOFING 1HR FRR (SEE STRUCTURAL)	1HR ULC F906

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	03/08/24

SUBJECT | SUJET
GENERAL NOTES, ABBREVIATIONS AND ASSEMBLIES LEGEND

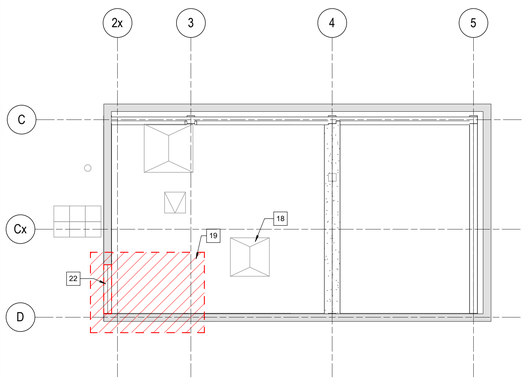
PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR		DES O | AGENT CONC
DRAWN | DESSINÉ NORR		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 300

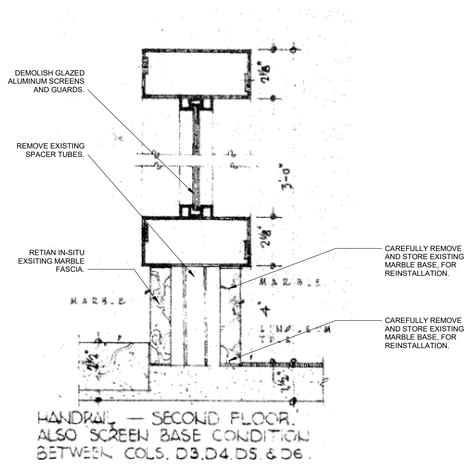
Canada

2026-03-23 10:05:16 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt



8 301 PENTHOUSE ROOF DEMOLITION PLAN

SCALE: 1 : 100



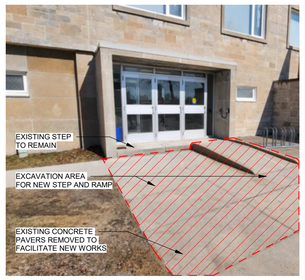
7 301 EXISTING SCREEN/ GUARD DETAIL - NOTE 17

SCALE: 1 : 5



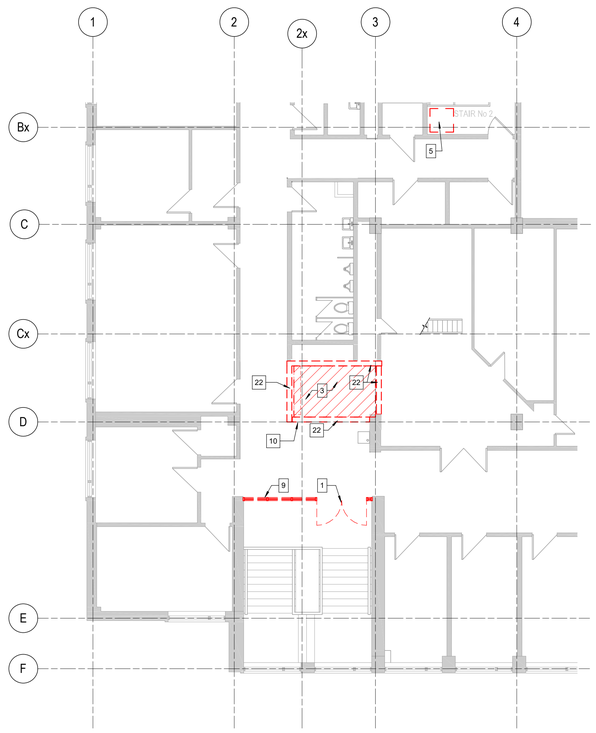
6 301 PHOTO OF SCULPTURE

SCALE: 1 : 50



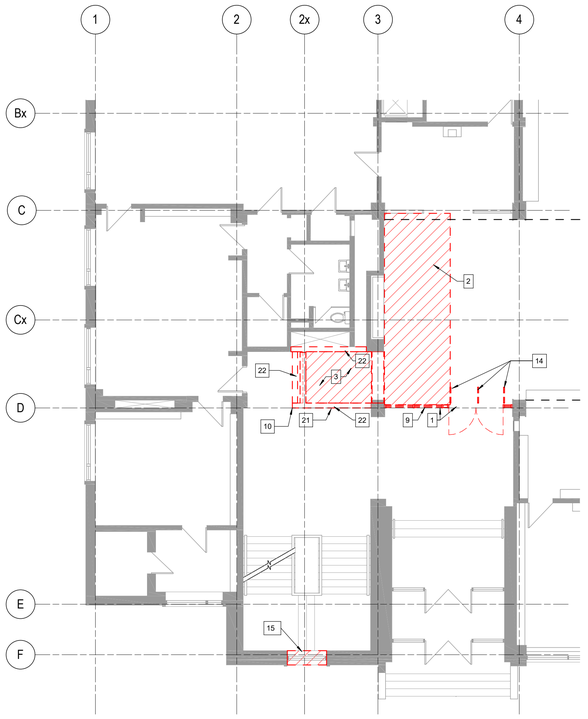
5 301 EXISTING SOUTH ENTRANCE

SCALE: 1 : 5



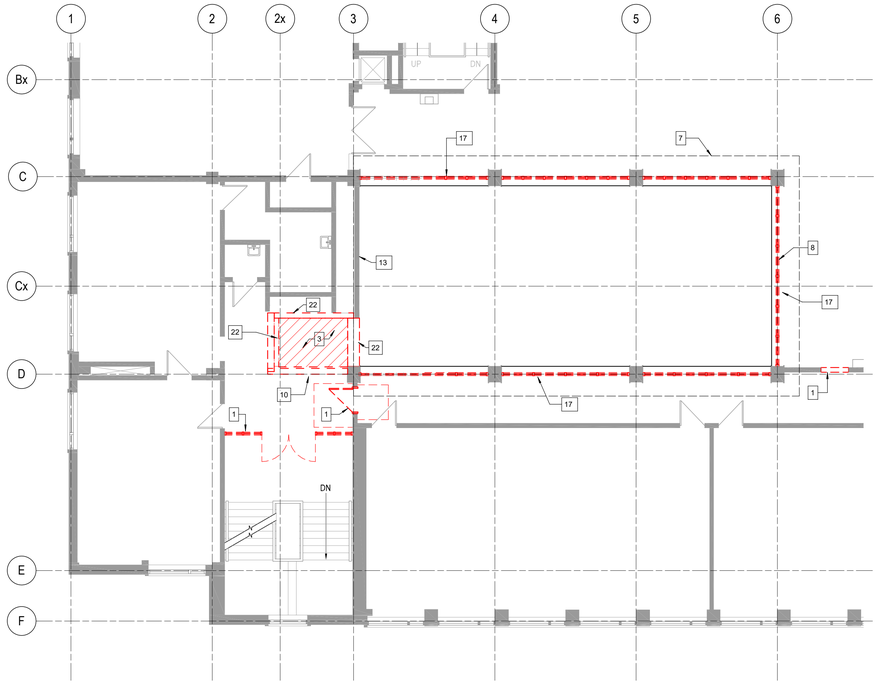
4 301 THIRD FLOOR DEMOLITION PLAN

SCALE: 1 : 100



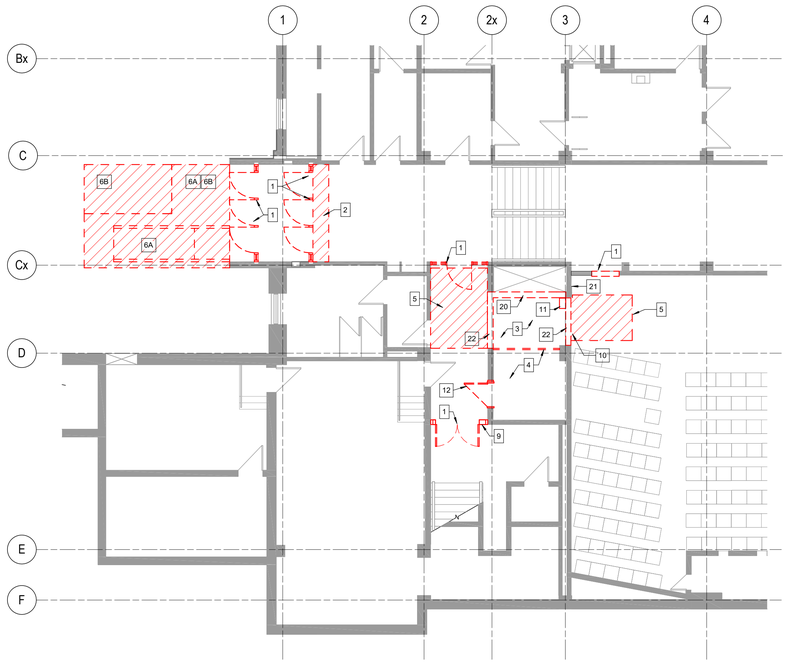
2 301 FIRST FLOOR DEMOLITION PLAN

SCALE: 1 : 100



3 301 SECOND FLOOR DEMOLITION PLAN

SCALE: 1 : 100



1 301 BASEMENT / GROUND FLOOR DEMOLITION PLAN

SCALE: 1 : 100

DEMOLITION LEGEND:

- TO BE DEMOLISHED / REMOVED
- EXISTING TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED

DEMOLITION GENERAL NOTES:

1. CONTRACTOR SHALL SUBMIT A SHOP DRAWING INDENTIFYING THEIR PROPOSED STAGING PLAN TO EXECUTE THE WORK INCLUDING REMOVAL OF EXISTING ELEVATOR STRUCTURES AND IDENTIFICATION OF ALL TEMPORARY DUST-PROOF PARTITIONS.

2. DEMOLISH AND DISPOSE OF EXISTING INFILL MASONRY PARTITIONS BETWEEN STRUCTURAL BEAMS AND FLOORS. COORDINATE WITH ELEVATOR INSTALLER. SHAFT TO BE PREPARED FOR NEW TWO (2) HOUR FIRE RATED MASONRY INFILL WALLS.

3. ANY EXISTING ELEMENT (FLOOR/WALL/ CEILING OR OTHER) BEING RETAINED THAT IS DAMAGED DURING CONSTRUCTION SHALL BE PATCHED OR REPAIRED.

4. DEMOLITION DRAWINGS TO BE READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.

5. CONTRACTOR TO VERIFY HORIZONTAL & VERTICAL LOCATION OF ALL UTILITIES ABOVE AND BELOW GRADE PRIOR TO DEMOLITION / CONSTRUCTION.

DEMOLITION KEYNOTES:

1. CAREFULLY REMOVE EXISTING DOOR, FRAME, FLOOR BRACKETS AND DISPOSE. PROTECT EXISTING FLOOR & CEILING FROM DAMAGE, PATCH & PREPARE SURFACES AFFECTED BY DEMOLITION TO RECEIVE NEW WORK.
2. CEILING FINISHES AFFECTED BY NEW WORKS TO BE CAREFULLY REMOVED AS REQUIRED IN PREPARATION FOR NEW INSTALLATION. DEMOLITION AREAS TO BE PATCHED AND MADE GOOD.
3. EXISTING ELEVATOR CABIN, FRAMING AND ASSOCIATED SERVICES TO BE DECOMMISSIONED AND REMOVED.
4. REMOVE & DISPOSE OF EXISTING EQUIPMENT, SERVICES & WIRE SCREEN WALL IN ELEVATOR MECHANICAL ROOM. PATCH & MAKE GOOD SURFACES TO REMAIN.
5. SLAB / FLOOR REMOVAL. FINISHES REMOVED TO EXTENTS INDICATED.
6A. EXISTING RAMP AND GRADE EXCAVATION, PREP FOR NEW CONSTRUCTION.
6B. EXISTING CONCRETE PAVERS REMOVED. SEE DETAIL 5.
7. EXTENT OF EXISTING BULKHEAD TO BE REMOVED AS REQUIRED FOR NEW WORKS.
8. REMOVE EXISTING GLASS GUARD, PROTECT EXISTING FLOOR & MAKE GOOD.
9. EXISTING WALL TO DEMOLISHED, ADJOINING SURFACES PROTECTED & MADE GOOD.
10. EXISTING CEILING TO BE DEMOLISHED TO ALLOW NEW CMU WALL INSTALLATION.
11. EXISTING CEMENT BOARD SHAFT IN ELEVATOR SHAFT TO BE REMOVED. EXISTING SERVICES WITHIN TO BE CAREFULLY REINSTATED PER ELECTRICAL. SEE #21.
12. DOOR AND FRAME TO BE REMOVED, OPENING PREPARED FOR NEW INSTALLATION.
13. CAREFULLY REMOVE BRONZE WALL SCULPTURE & STORE, FOR REINSTALLATION. SEE PHOTO/ DETAIL 6.
14. REMOVE EXISTING SECURITY GATES.
15. EXISTING WINDOW TO BE REMOVED, OPENING PREPARED FOR 1500X1000mm MECH. LOUVER INSTALLATION.
16. FLOOR SLAB REMOVAL. SURROUNDING FINISHED PROTECTED AND MADE GOOD.
17. CUT BACK AND SALVAGE MARBLE BASE AND SILL, RETAIN FOR RE-USE ON BRIDGE. INFILL VOID LEFT WITH CONCRETE TOPPING. REFER TO DETAIL 7/301 FOR EXISTING CONDITION. SEE DETAIL 7.
18. EXISTING ROOF EQUIP. TO REMAIN AND BE PROTECTED.
19. ROOF FINISH AND SLAB REMOVAL (SEE STRUCT.)
ROOF FINISH REMOVED ADDITIONAL +800mm FOR REQUIRED NEW MEMBRANE TIE-IN.
20. DEMOLISH INFILL WALL BETWEEN GROUND & FIRST FLOOR. WALL BETWEEN GROUND FLOOR & BASEMENT LEVEL TO REMAIN (SEE STRUC.).
21. EXISTING ELECTRICAL PANELS TO BE DECOMMOSIONED/ RELOCATED PRIOR TO DEMOLITION OF WALL FOR ELEVATOR OPENING AND RELOCATED. SEE ELECTRICAL.
22. EXISTING INFILL WALL TO BE DEMOLISHED. SEE 312. REFER TO STRU FOR BEAM DEMO SCOPE.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS — JONATHAN D. HUGHES — LICENCE 5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER: ARCHITECTURAL
DATE: 01/08/24

SUBJECT | SUJET
DEMOLITION PLANS

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: NORR		DES O | AGENT CONC
DRAWN | DESSINÉ: NORR		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT: WBS # (6.3.5.)
PF NUMBER | NO. DP: 500621770 & 110593

DWG. NO. | NO. DESSIN: K-K74-7701/35 - 301

Canada

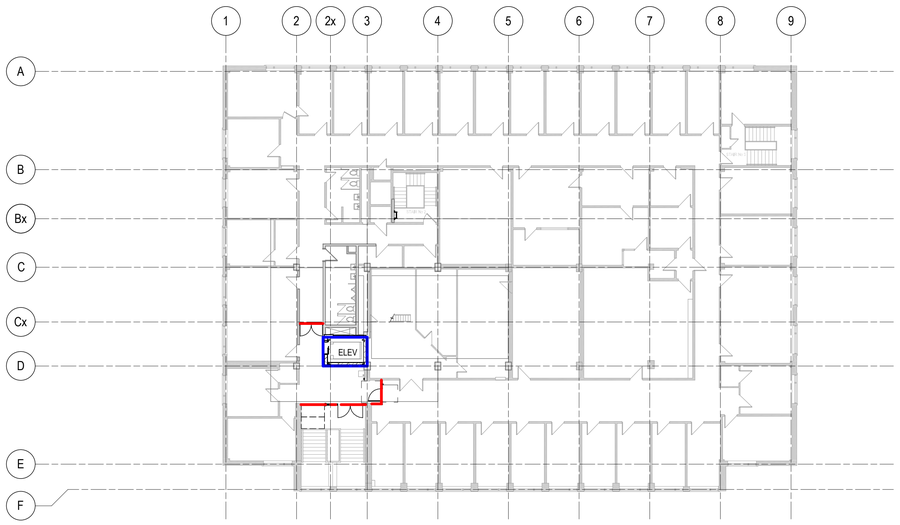
BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:17 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNO723-0003_PB_DND_KR_Kingston_Masses/Building_Elevator Upgrade_R24.rvt

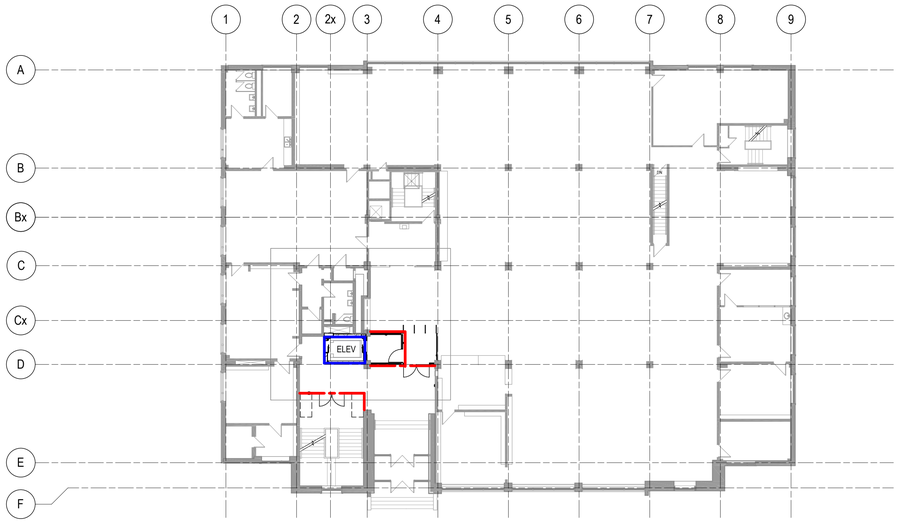
Item	National Building Code Data Matrix Part 3			NBC Reference	
1	Project Description: Interior fit-up and renovation of floor levels in existing building.	□ Change of use □ New □ Addition ⨯ Alteration		⨯ Part 3	
2	Major Occupancy(s) Group D - No Change to Base Building Major Occ			3.1.2.1.(1)	
3	Gross Area By Floor (m^2) - No Change to Base Building GFA	Basement: 1,540m^2 1st Floor: 1,460m^2 2nd Floor 1,460m^2 3rd Floor: 1,455m^2		1.4.1.2	
4	Gross Area Total (m^2) - No Change to Base Building GFA	Existing: 5,915m^2 New: 0 Total: 5,915m^2			
5	Number of Storeys No Change to Base Building Storeys	Above grade: 3 Below grade: 1		3.2.1.1 & 3.2.2.15	
6	Height of Building (m) 15.2m - No Change to Base Building Height			1.4.1.2	
7	Number of Streets/Access Routes 1			3.2.2.10 & 3.2.5.5	
8	Building Classification No Change to Base Building Classification				
9	Sprinkler System No Change to Base Building	□ Entire building □ Basement only □ In lieu of roof rating □ Not required		3.2.1.5 3.2.2.17	
10	Standpipe Required □ Yes □ No - No Change to Base Building			3.2.5.8	
11	Fire Alarm Required □ Yes □ No - No Change to Base Building			3.2.4	
11	Water Service/Supply Is Adequate ⨯ Yes □ No - No Change to Base Building			3.2.5.7	
13	High Building □ Yes ⨯ No			3.2.6	
14	Permitted Construction	□ Combustible □ Non-combustible ⨯ Both			
	Actual Construction	□ Combustible □ Non-combustible ⨯ Both			
15	Mezzanine(s) Area (m2) N/A - No Change to Base Building			3.2.1.1.(3)-(7)	
16	Occupant load based on □ m2/person ⨯ Design of building - No Change to Base Building Occupant Loads Basement Occupancy D Load N/A persons 1st Floor Occupancy D Load N/A persons 2nd Floor Occupancy D Load N/A persons 3rd Floor Occupancy D Load N/A persons			3.1.17	
17	Barrier-free Design ⨯ Yes □ No (Explain) PARTIAL COMPLIANCE			3.8	
18	Hazardous Substances □ Yes ⨯ No			3.3.1.2.(1) & 3.3.1.20	
19	Required Fire Resistance Rating (FRR) - No Change to Base Building	Horizontal Assemblies FRR (Hours) Floors 1HR Roof N/A Mezzanine N/A FRR of Supporting Members Floors 1HR Roof 0HR Mezzanine N/A	Listed Design No. or Description	3.2.1.4	
20	Spatial Separation – Construction of Exterior Walls - No Change to Base Building Spacial Separation			3.2.3	

Wall	Area of EBF (m2)	L.D. (m)	L/H or H/L	Permitted Max. % of Openings	Proposed % of Openings	FRR (Hours)	Listed Design or Description	Comb. Const		
North	N/A	N/A	N/A	N/A	N/A			×		
South	N/A	N/A	N/A	N/A	N/A					
East	N/A	N/A	N/A	N/A	N/A					
West	N/A	N/A	N/A	N/A	N/A					
For Additional Walls, add additional rows										

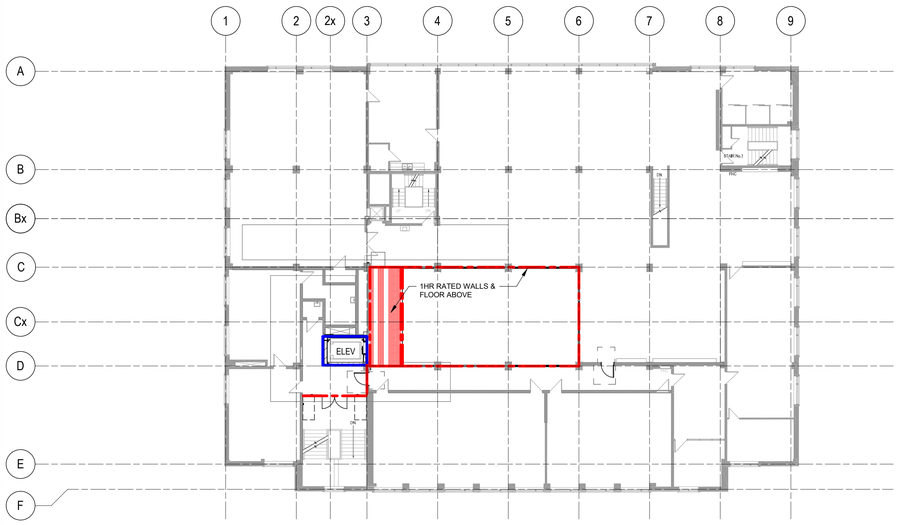
21	Cross Over Floors N/A	3.4.6.18	



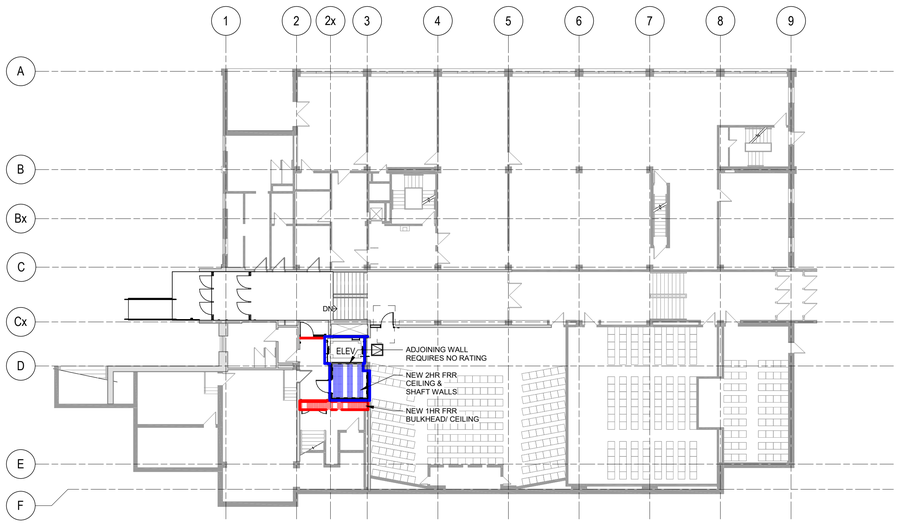
4 / 302 THIRD FLOOR LIFE SAFETY PLAN
SCALE: 1 : 200



2 / 302 FIRST FLOOR LIFE SAFETY PLAN
SCALE: 1 : 200



3 / 302 SECOND FLOOR LIFE SAFETY PLAN
SCALE: 1 : 200



1 / 302 BASEMENT/GROUND FLOOR LIFE SAFETY PLAN
SCALE: 1 : 200

FIRE RESISTANCE RATING LEGEND

1 HR

2 HR

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE 5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:200 (5 0 5 10 m)

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER: ARCHITECTURAL
DATE: 01/08/24

SUBJECT | SUJET
CODE MATRIX & LIFE SAFETY DIAGRAMS

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: NORR		DES O | AGENT CONC
DRAWN | DESSINÉ: NORR		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: NORR		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

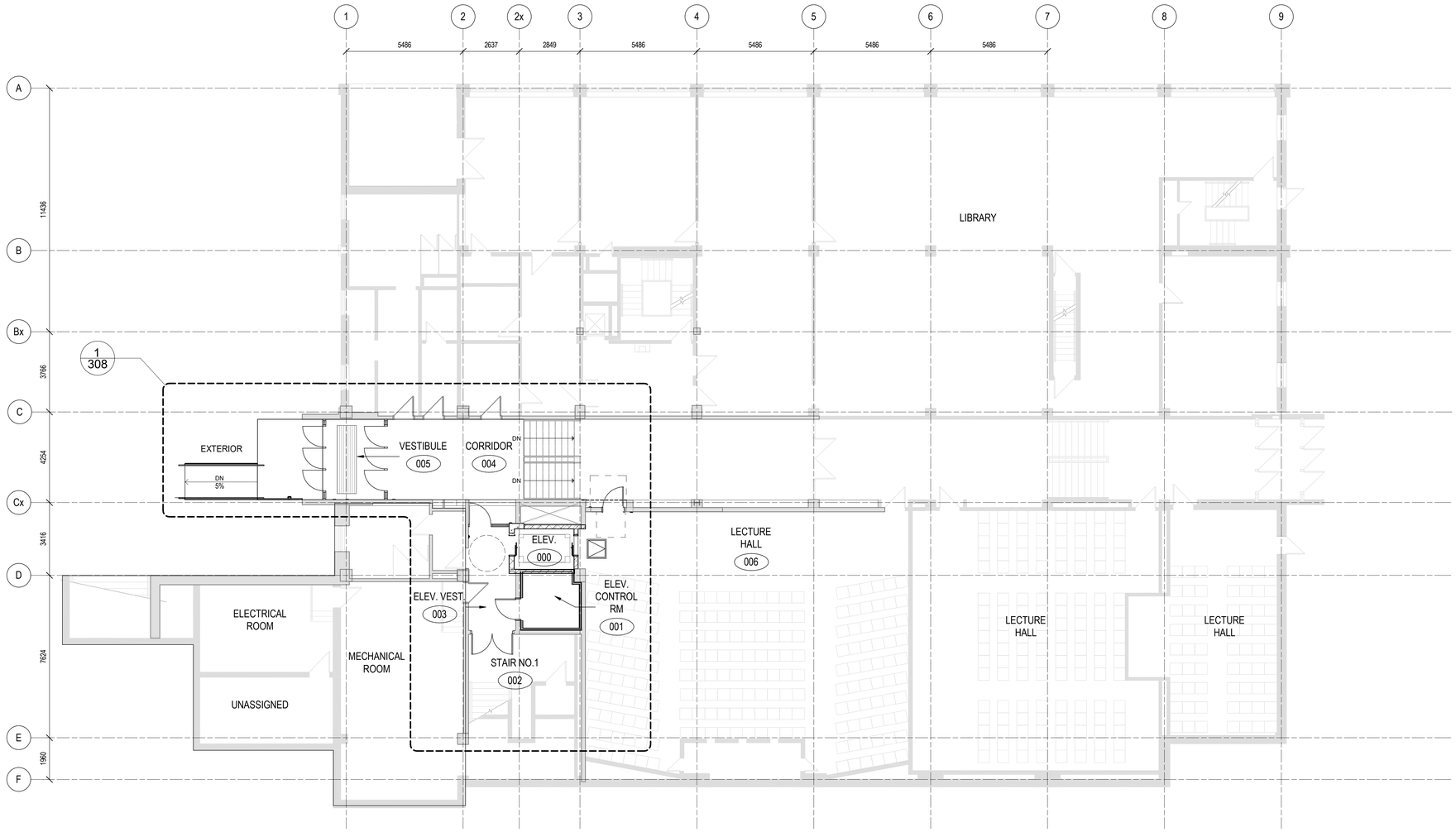
WBS NUMBER | NO. SRT: WBS # (6.3.5.)
PF NUMBER | NO. DP: 500621770 & 110593

DWG. NO. | NO. DESSIN: K-K74-7701/35 - 302

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:18 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/DWGT23-9303_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt



1 / 303 OVERALL BASEMENT/GROUND FLOOR PLAN
SCALE: 1 : 100

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
1:100

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	01/31/24

SUBJECT | SUJET
OVERALL GROUND FLOOR PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: NORR		DES O | AGENT CONC
DRAWN | DESSINÉ: NORR		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: NORR		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

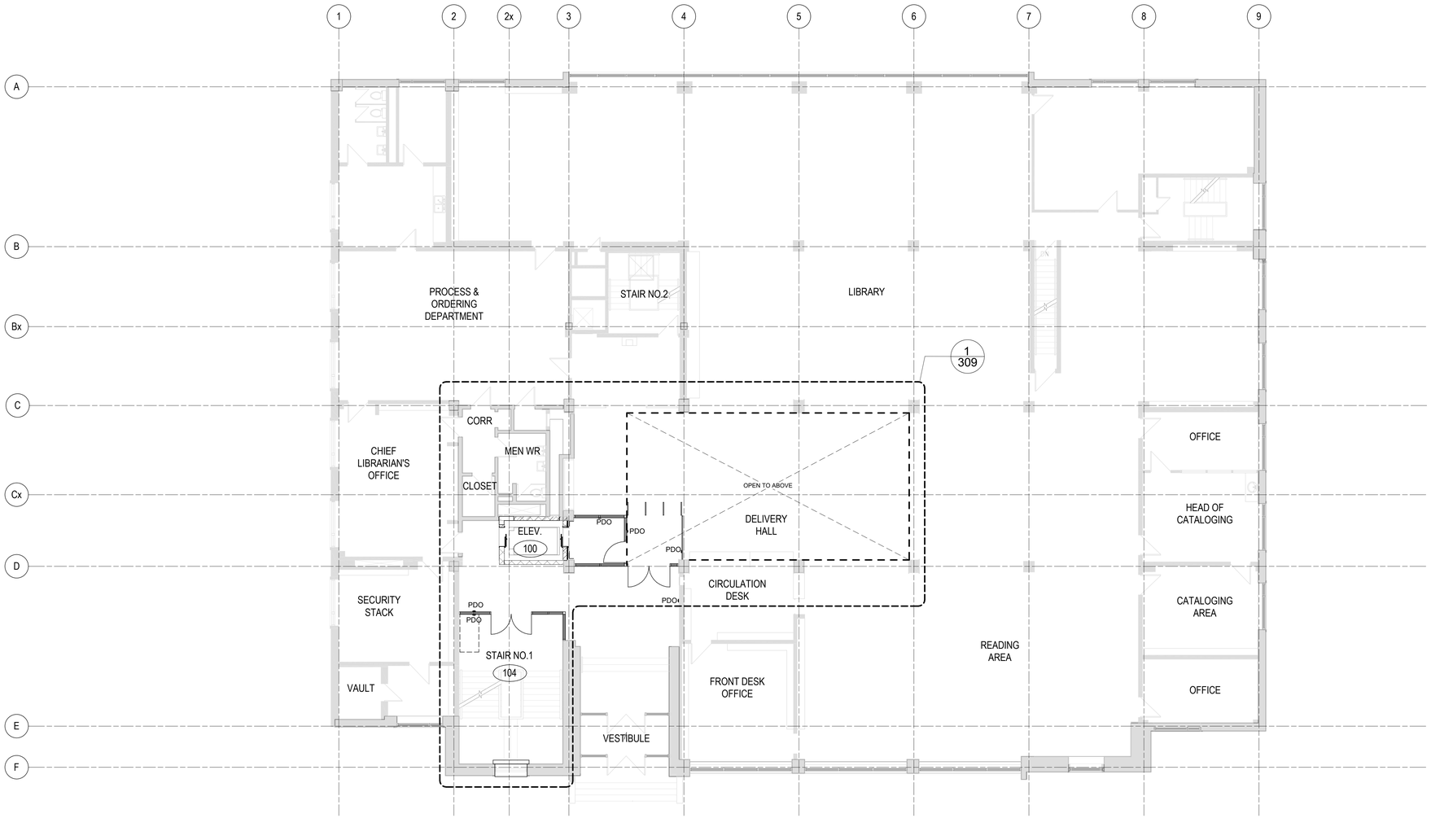
WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 303

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:19 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNCT23-0003_PB_DND_AR_Kingston_Massey/Building_Elevator Upgrade_R24.rvt



1/304 OVERALL FIRST FLOOR PLAN
SCALE: 1 : 100

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:100

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	01/31/24

SUBJECT | SUJET
OVERALL FIRST FLOOR PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: NORR		DES O | AGENT CONC
DRAWN | DESSINÉ: NORR		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: NORR		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

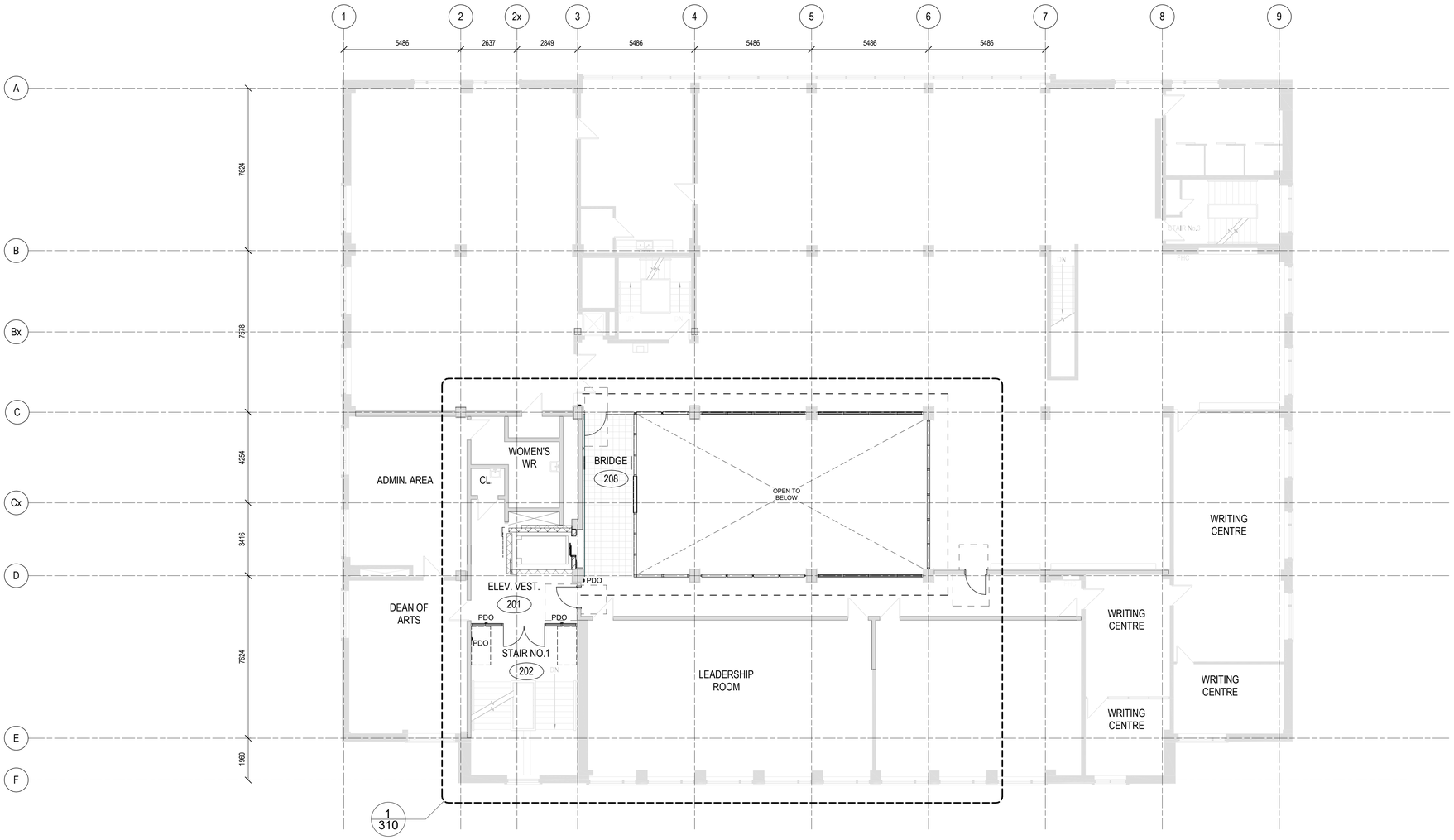
WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN: K-K74-7701/35 - 304

Canada

BORDER LAST UPDATED 2010-08-20

2026.03.23 10:05:19 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND723-0003_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt



1 / 305 SECOND FLOOR OVERALL PLAN

SCALE: 1 : 100

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE 5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
1:100

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	01/31/24

SUBJECT | SUJET
OVERALL SECOND FLOOR PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

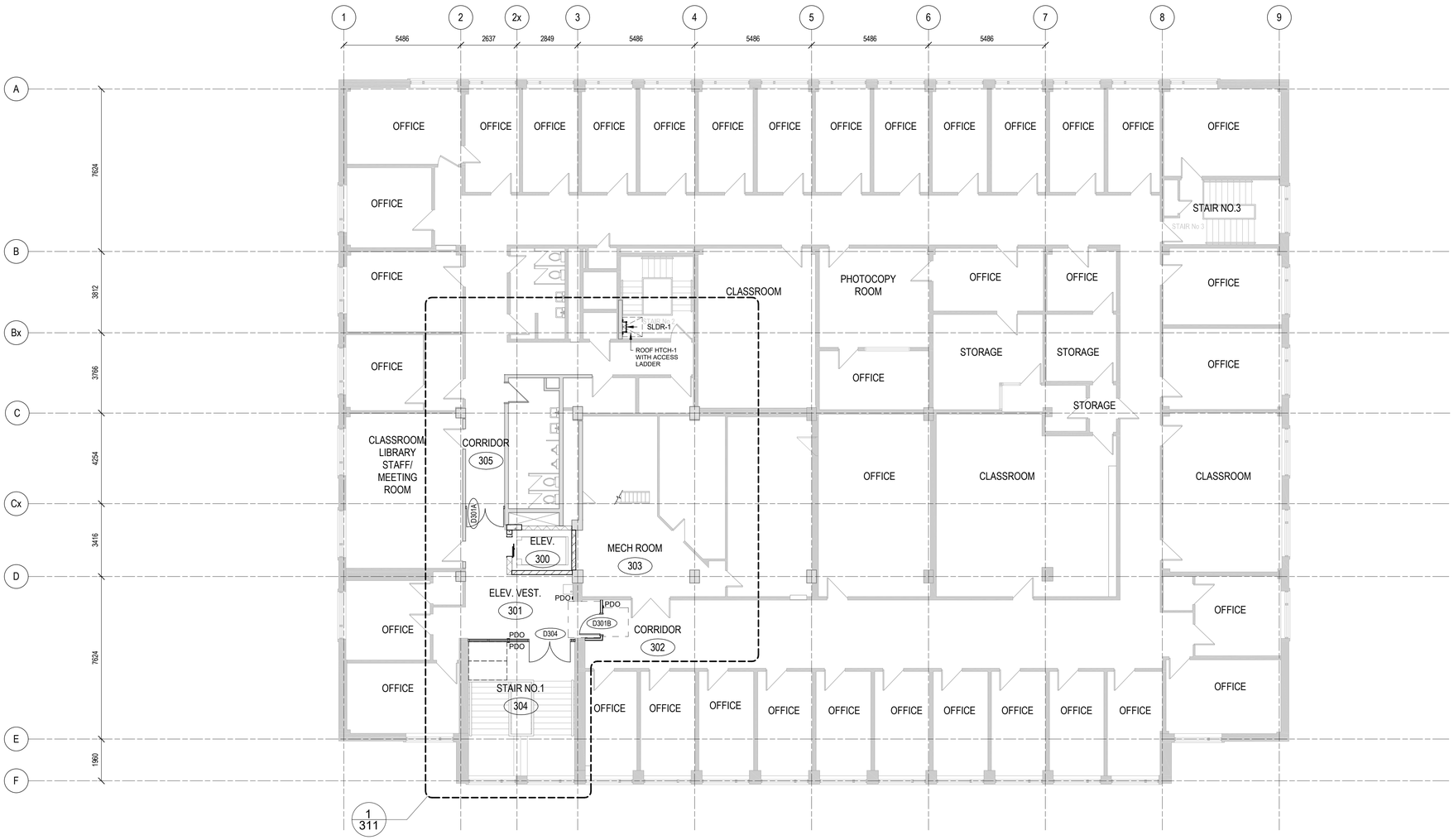
WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 305

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:19 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNCT23-0003_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt



1 / 306 THIRD FLOOR OVERALL PLAN

SCALE: 1 : 100

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE 5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:100

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	01/31/24

SUBJECT | SUJET
OVERALL THIRD FLOOR PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

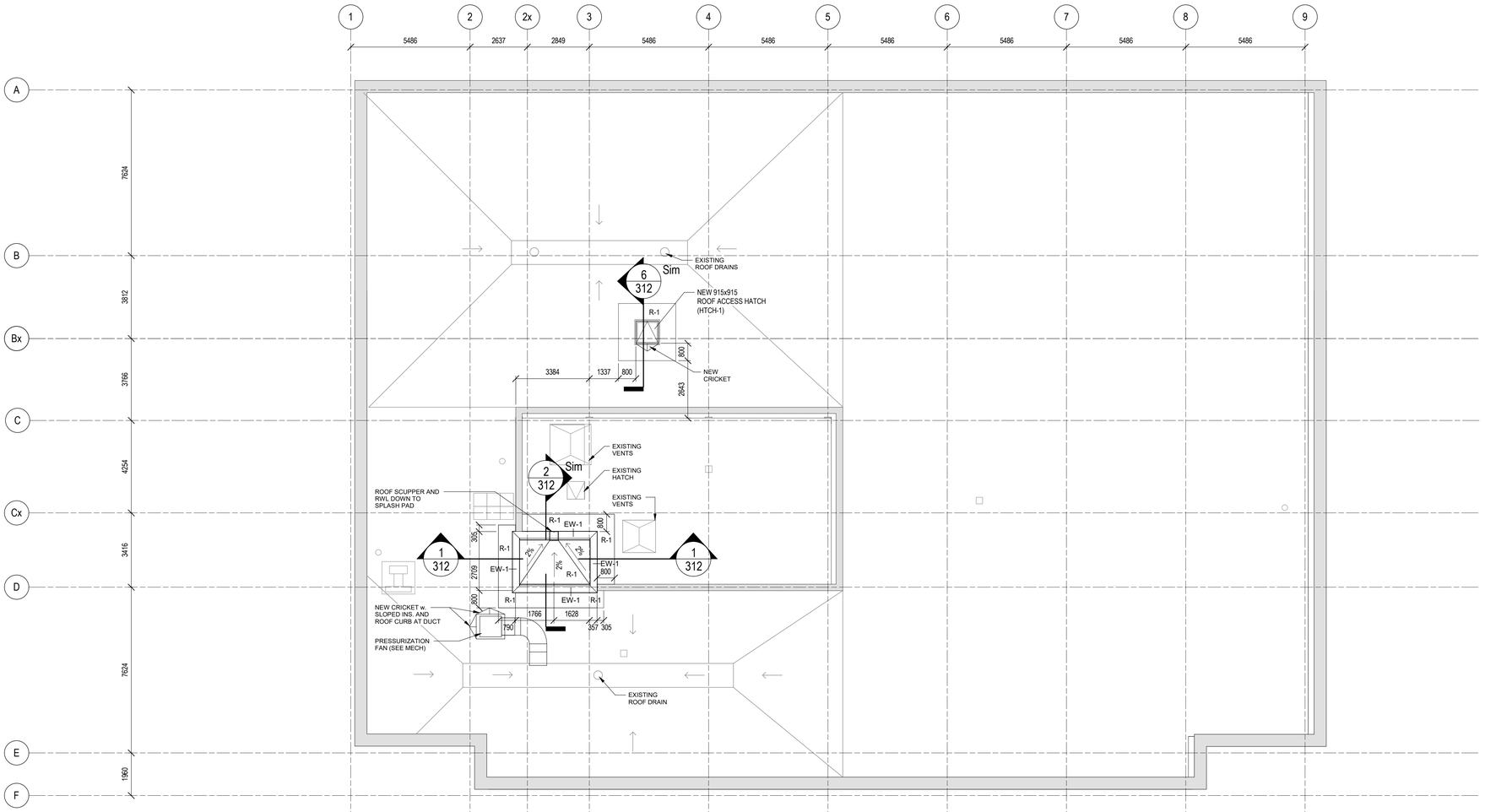
WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN K-K74-7701/35 - 306

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:20 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNCT23-0003_PB_DND_AR_Kingston_Massey/Building_Elevator Upgrade_R24.rvt



1 307 OVERALL ROOF PLAN
SCALE: 1 : 100

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
1:100

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	01/31/24

SUBJECT | SUJET
OVERALL ROOF PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

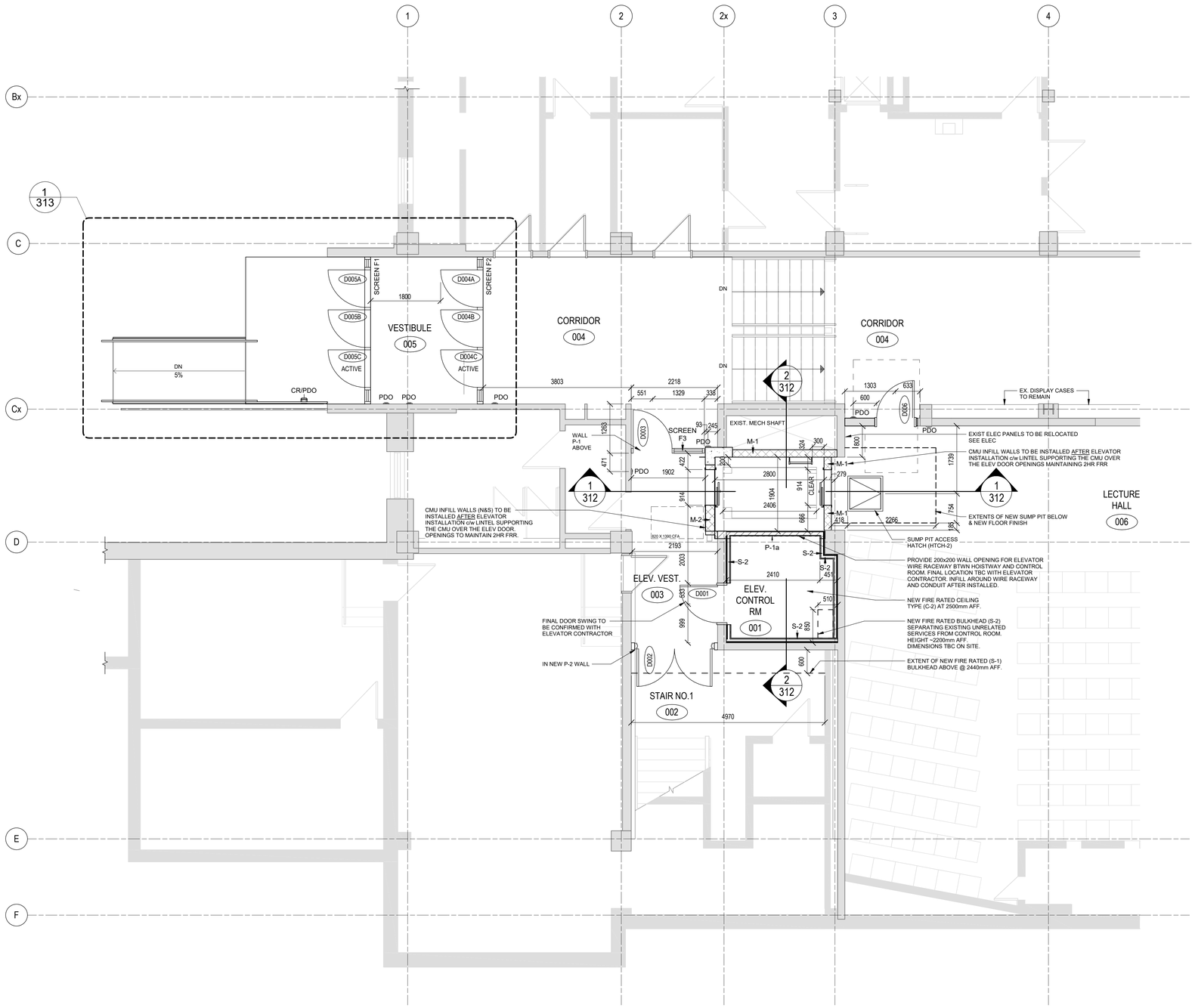
WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 307

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:20 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNO723-0003_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt



1 / 308 ENLARGED PLAN BASEMENT & GROUND FLOOR

SCALE: 1 : 50

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50

500 0 500 1000 1500 2000 2500 3000 3500 mm

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER: ARCHITECTURAL
DATE: 01/08/24

SUBJECT | SUJET
ENLARGED PLAN BASEMENT & GROUND FLOOR

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ: NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

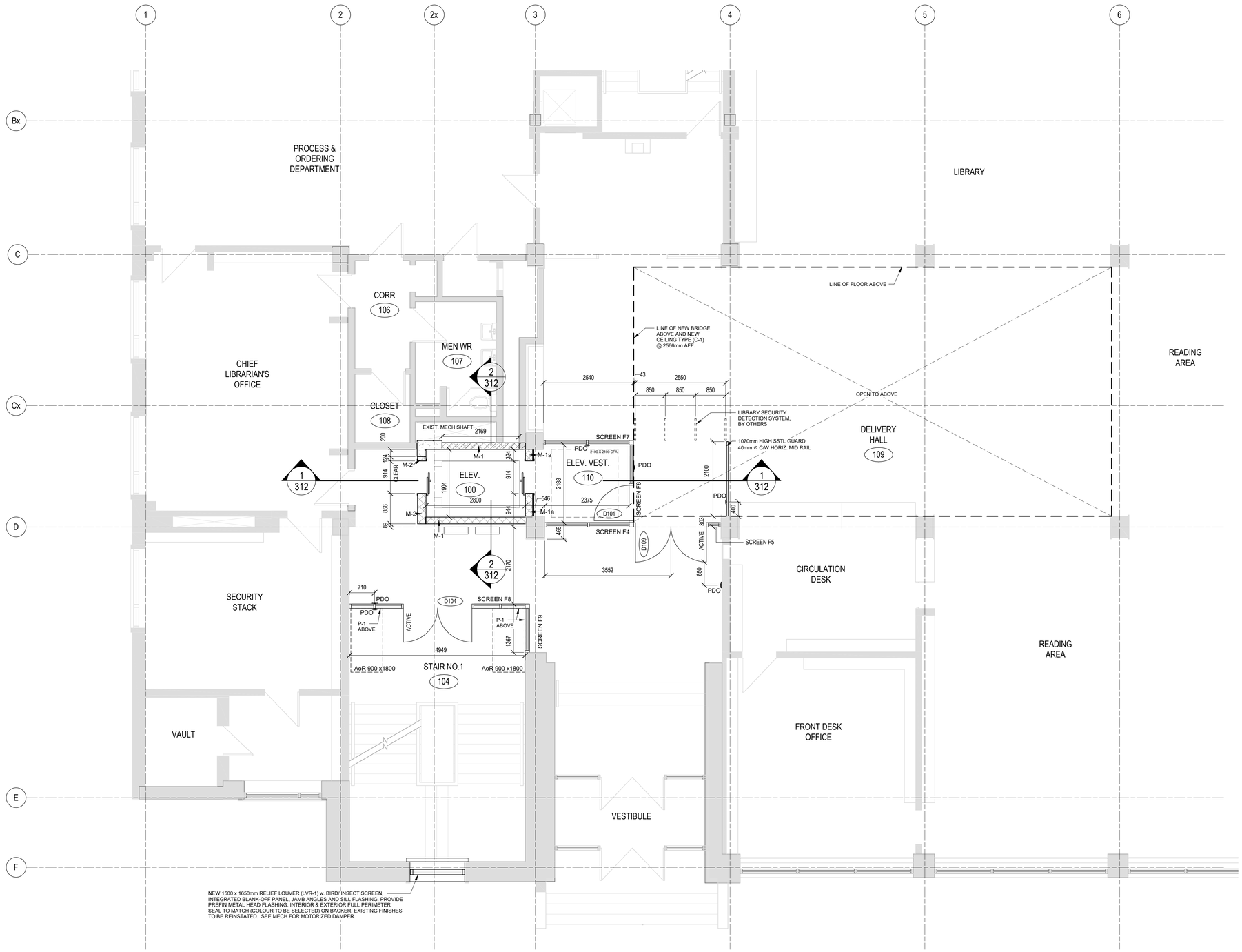
WBS NUMBER | NO. SRT: WBS # (6.3.5.)
PF NUMBER | NO. DP: 500621770 & 110593

DWG. NO. | NO. DESSIN: K-K74-7701/35 - 308

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:21 AM Autodesk Docs://ND Massey Hall Elevator Upgrade/ON3723-0003_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt



1 / 309 ENLARGED FIRST FLOOR PLAN
SCALE: 1 : 50

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE 5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50 (500 0 500 1000 1500 2000 2500 3000 3500 mm)

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	01/08/24

SUBJECT | SUJET
ENLARGED FIRST FLOOR PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION NORR AEL		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN K-K74-7701/35 - 309

Canada

2026-03-23 10:05:21 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND-23-0303_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt

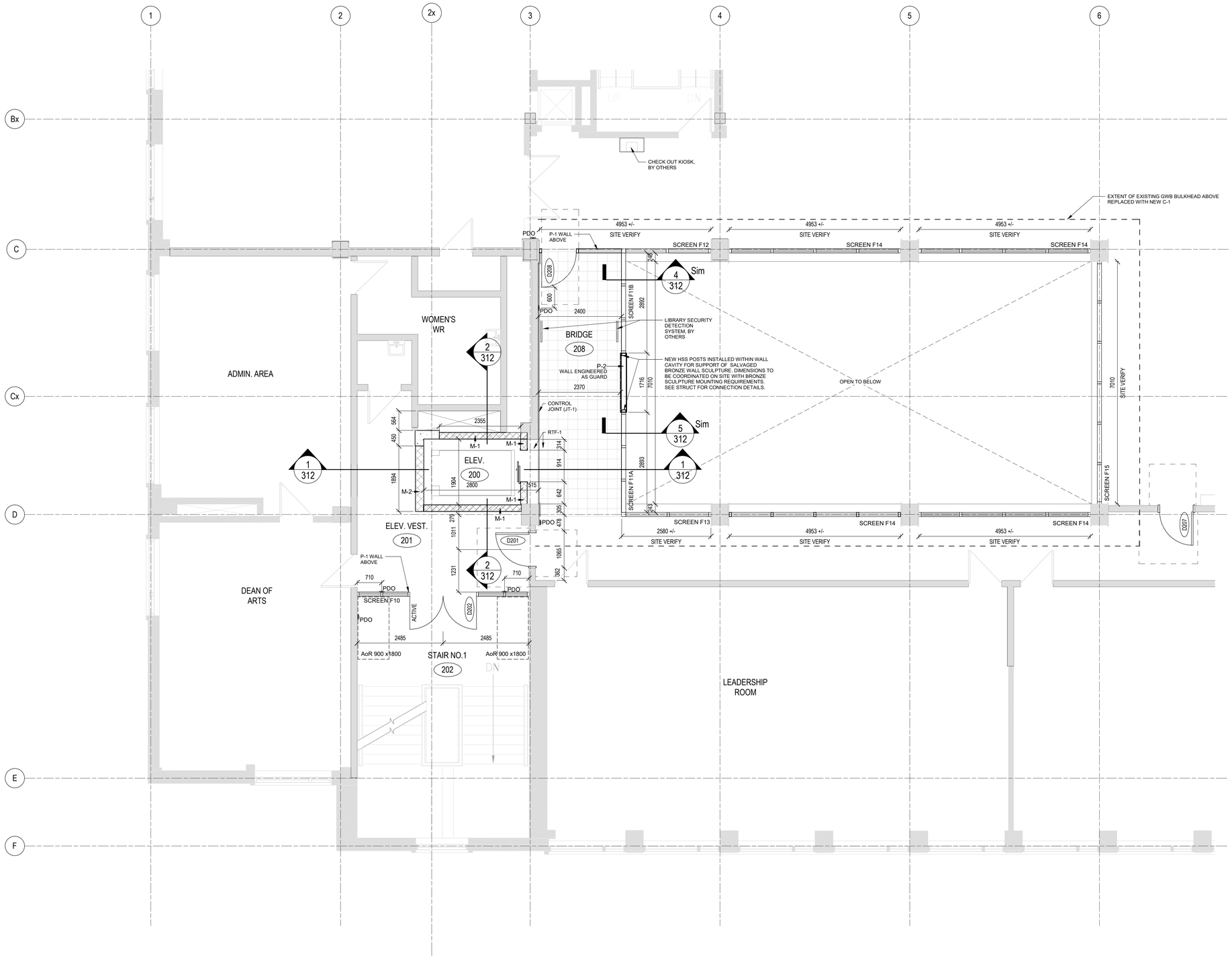
Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20



1 / 310 ENLARGED SECOND FLOOR PLAN
SCALE: 1 : 50

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE 5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
1:50
500 0 500 1000 1500 2000 2500 3000 3500 mm

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER
ARCHITECTURAL

DATE
01/08/24

SUBJECT | SUJET
ENLARGED SECOND FLOOR PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

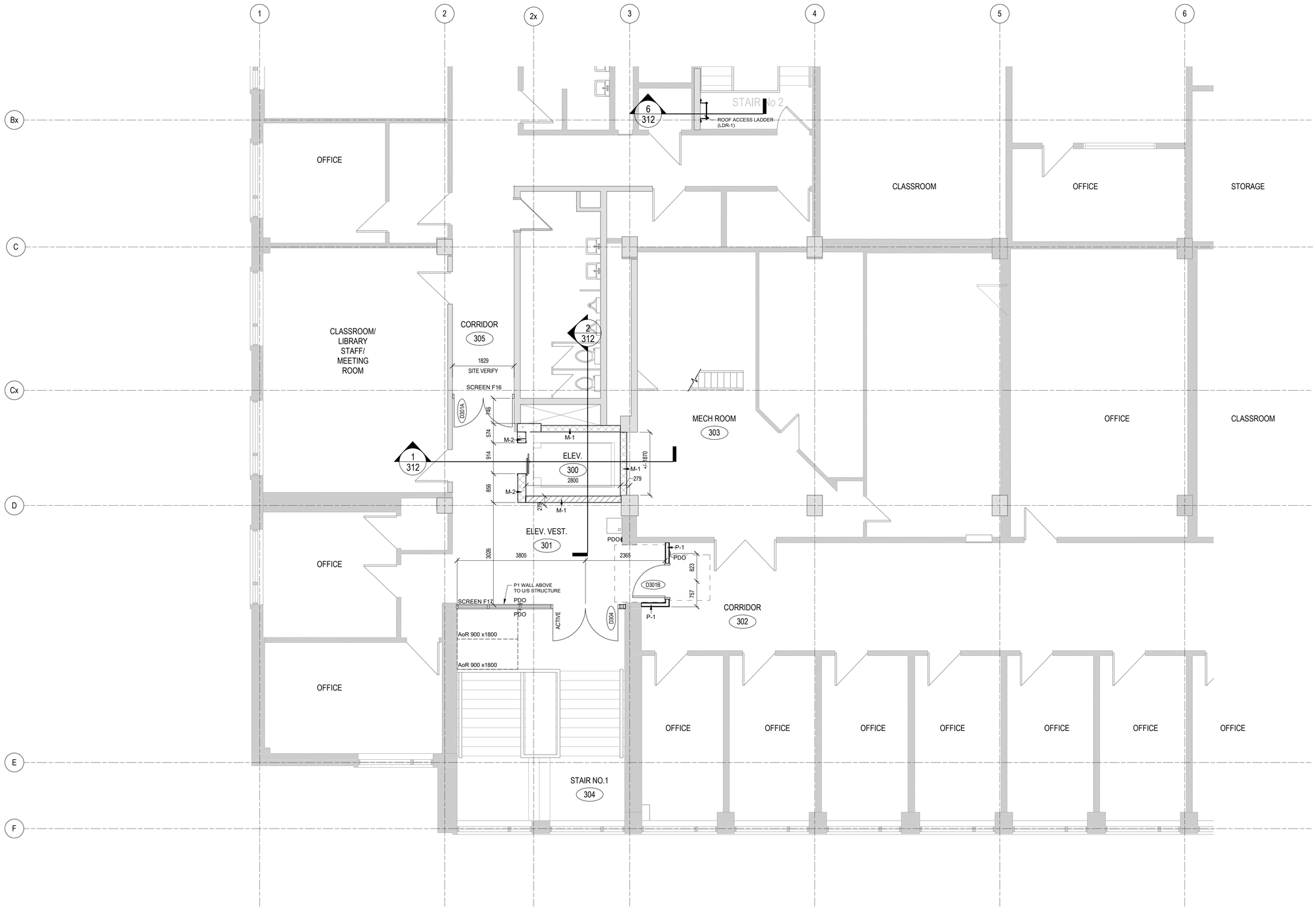
WBS NUMBER | NO. SRT
WBS # (6.3.5.)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 310

Canada

2026-03-23 10:05:21 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNC723-0003_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt



1 311 ENLARGED THIRD FLOOR PLAN
SCALE: 1 : 50

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
1:50
500 0 500 1000 1500 2000 2500 3000 3500 mm

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER
ARCHITECTURAL

DATE
01/08/24

SUBJECT | SUJET
ENLARGED THIRD FLOOR PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

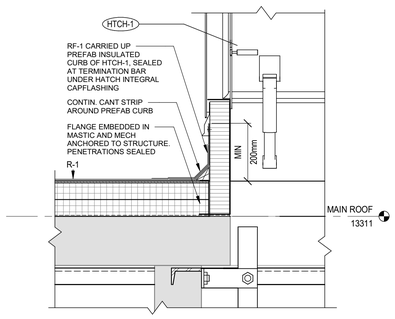
WBS NUMBER | NO. SRT
WBS # (6.3.5.)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 311

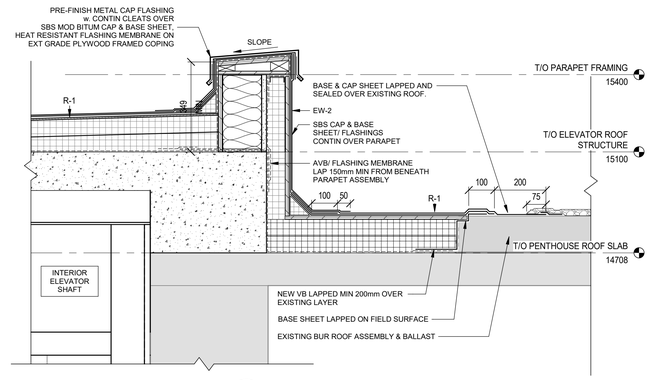
Canada

2026-03-23 10:05:22 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND723-0303_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R22r4.rvt



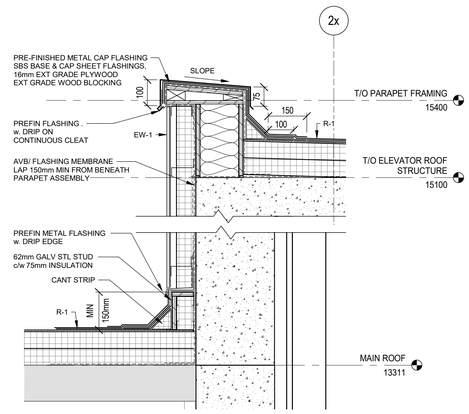
10 / 312 ROOF HATCH (HTCH-1) SECTION DETAIL

SCALE: 1 : 10



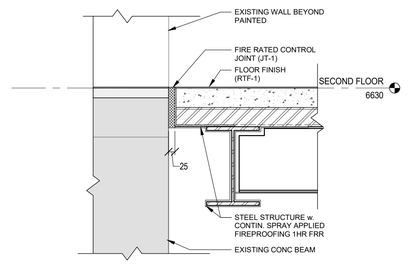
9 / 312 ELEVATOR SHAFT - PARAPET DETAIL AT EXST ROOF (E-W)

SCALE: 1 : 10



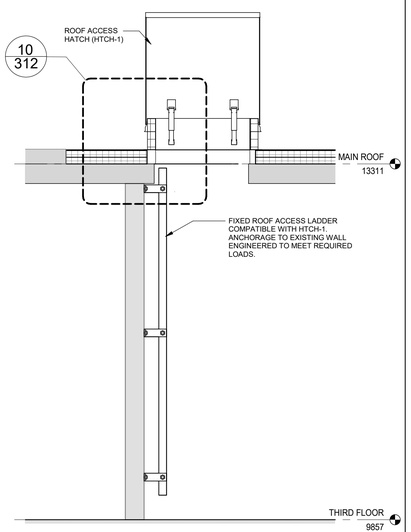
8 / 312 ELEVATOR SHAFT - PARAPET DETAIL (N-S)

SCALE: 1 : 10



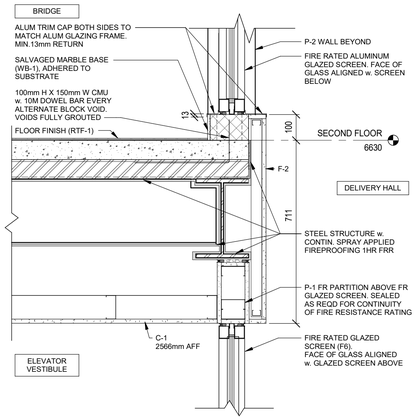
7 / 312 BRIDGE CONTROL JOINT (JT-1) DETAIL

SCALE: 1 : 10



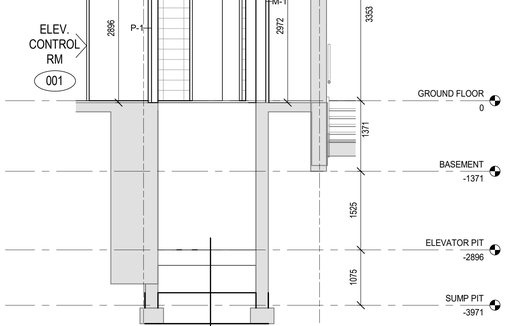
6 / 312 ROOF HATCH & LADDER SECTION

SCALE: 1 : 25



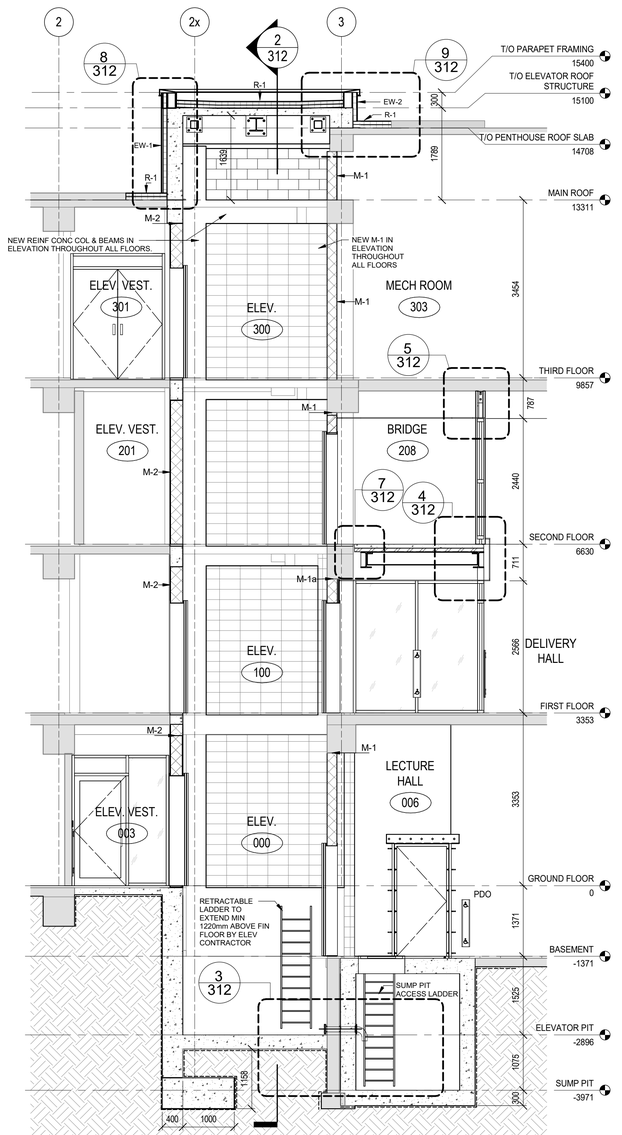
4 / 312 BRIDGE FLOOR AT GLAZING BASE DETAIL

SCALE: 1 : 10



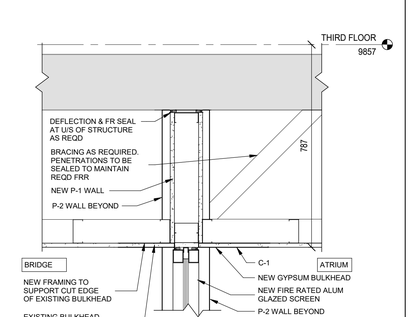
2 / 312 ELEVATOR SHAFT SECTION - EAST / WEST

SCALE: 1 : 50



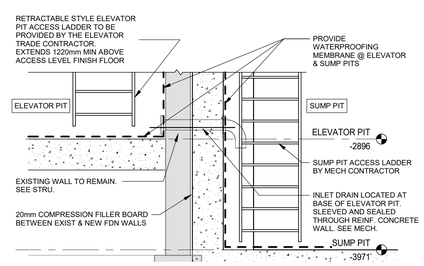
1 / 312 ELEVATOR SHAFT SECTION - NORTH / SOUTH

SCALE: 1 : 50



5 / 312 BRIDGE GLAZING DETAIL

SCALE: 1 : 10



3 / 312 SECTION DETAIL- ELEV SHAFT / SUMP PIT

SCALE: 1 : 25

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

ONTARIO ASSOCIATION of ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50 (500 0 500 1000 1500 2000 2500 3000 3500 mm)

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER: ARCHITECTURAL
DATE: 01/08/24

SUBJECT | SUJET
BUILDING SECTIONS & DETAILS

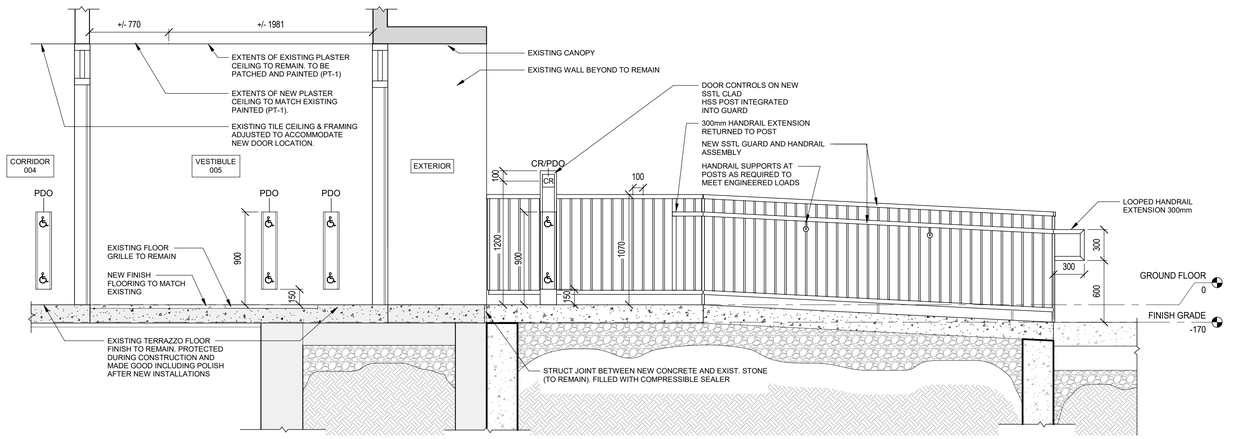
PRODUCTION	REVIEWED	REVU
DESIGNED | ÉTUDIÉ: NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ: NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT: WBS # (6.3.5.)
PF NUMBER | NO. DP: 500621770 & 110593

DWG. NO. | NO. DESSIN: K-K74-7701/35 - 312

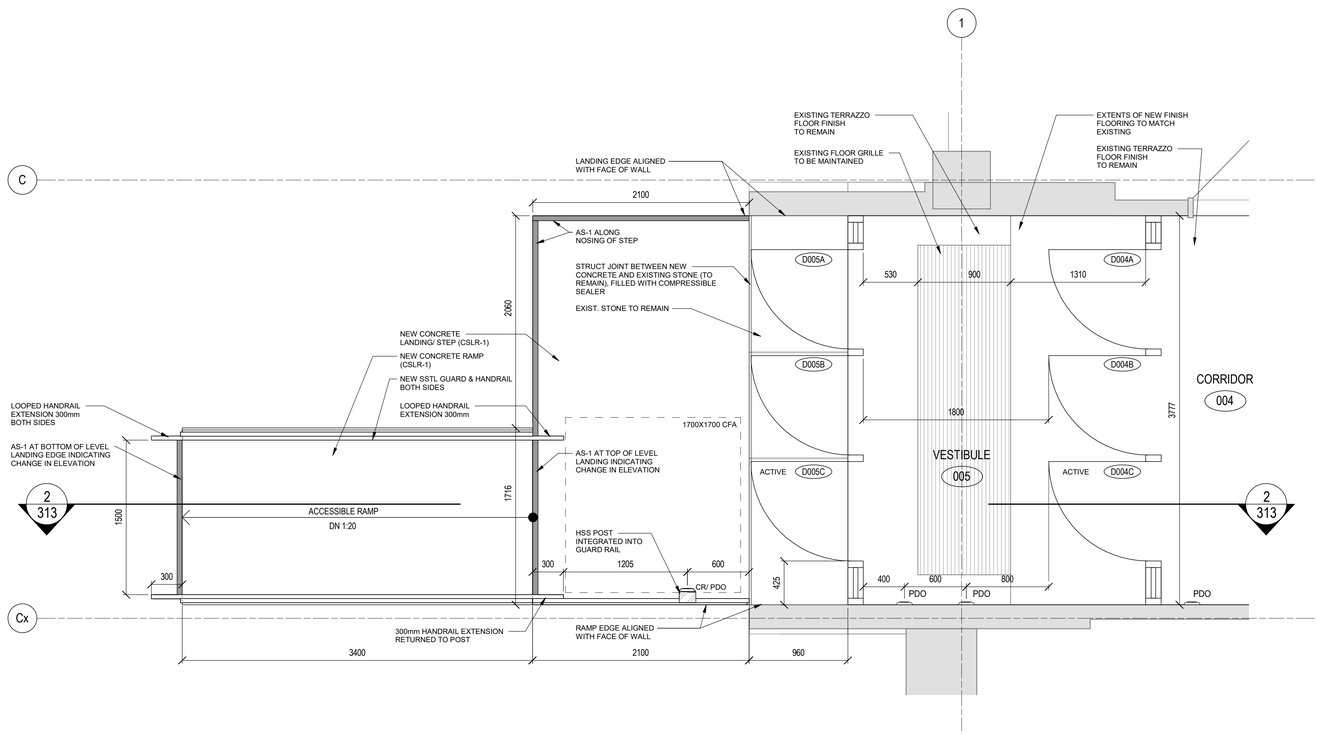
Canada

2026-03-23 10:05:22 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/DWGT23-9003_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_B24.rvt



2 / 313 ENTRANCE RAMP SECTION

SCALE: 1 : 25



1 / 313 ENTRANCE RAMP PLAN

SCALE: 1 : 25

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS — JONATHAN D. HUGHES — LICENCE 5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	03/31/25

SUBJECT | SUJET
ENTRANCE RAMP ENLARGED PLAN, SECTION & DETAILS

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT
WBS # (6.3.5.)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 313

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:23 AM Autodesk Docs://ND Massey Hall Elevator Upgrade/ON3723-0003_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt

DOOR SCHEDULE

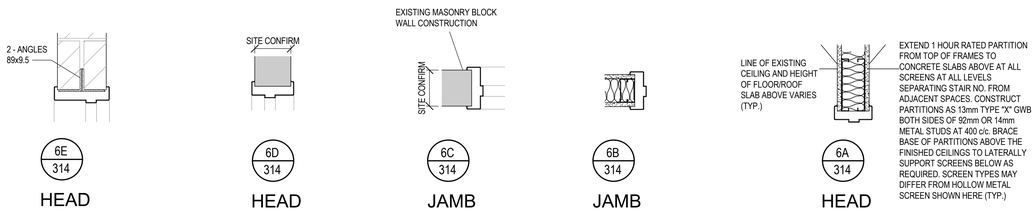
CORRIDOR 003

DOOR NUMBER	ROOM NAME	ROOM NUMBER	DOOR TYPE	DOOR MATERIAL	DOOR DESCRIPTION: DOOR GLASS TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	SCREEN FRAME TYPE	FRAME DESCRIPTION: FRAME MATERIAL	FRAME FINISH	FRR (MIN.)	STC	DETAIL REFERENCES: HEAD	JAMB	SILL	DOOR REMARKS
BASEMENT																	
D006			D4	HM	GL-FR	965	2134	45	N/A	HM	PT	45 MIN		6E	-	-	PDO, ED
GROUND FLOOR																	
D001	ELEV. CONTROL RM	001	D3	HM	GL-FR2	965	2134	45	N/A	HM	PT	90 MIN	N/A	6D	6C	-	SWING TBC w. TRADE
D002	STAIR NO.1	002	D2	ALUM.	GL-FR2	1930	2134	45	N/A	ALUM.	MET-A2	45 MIN	N/A	6D	6C	-	ED
D003	CORRIDOR	004	D1	ALUM.	GL-FR2	1000	2134	45	F3	ALUM.	MET-A2	45 MIN	N/A	6A	6B	-	PDO, ED
D004A	CORRIDOR	004	D1	ALUM.	GL-T	965	2134	57	F2	ALUM.	MET-A2	45 MIN	N/A	4C	4B	4A	ED
D004B	CORRIDOR	004	D1	ALUM.	GL-T	965	2134	57	F2	ALUM.	MET-A2	45 MIN	N/A	4C	4B	4A	ED
D004C	CORRIDOR	004	D1	ALUM.	GL-T	965	2134	57	F2	ALUM.	MET-A2	45 MIN	N/A	4C	4B	4A	PDO, ED
D005A	VESTIBULE	005	D1	ALUM.	GL-T	965	2134	57	F1	ALUM.	MET-A2	45 MIN	N/A	3C	3B	3A	ED
D005B	VESTIBULE	005	D1	ALUM.	GL-T	965	2134	57	F1	ALUM.	MET-A2	45 MIN	N/A	3C	3B	3A	ED
D005C	VESTIBULE	005	D1	ALUM.	GL-T	965	2134	57	F1	ALUM.	MET-A2	45 MIN	N/A	3C	3B	3A	PDO, ED, CR
FIRST FLOOR																	
D101	DELIVERY HALL	109	D1	ALUM.	GL-FR2	1000	2134	45	F7	ALUM.	MET-A2	45 MIN	N/A	6A	6B	-	PDO
D104	STAIR NO.1	104	D2	ALUM.	GL-FR2	1930	2134	45	F8	ALUM.	MET-A2	45 MIN	N/A	6A	6B	-	PDO, ED
D109	DELIVERY HALL	109	D2	ALUM.	GL-FR2	2000	2134		F4&5	ALUM.	MET-A2		N/A	6A	6B	-	PDO, ED
SECOND FLOOR																	
D201			D1	HM	GL-FR2	965	2134	45	N/A	HM	PT	45 MIN	N/A	6D	6C	-	PDO, ED
D202	STAIR NO.1	202	D2	ALUM.	GL-FR2	1930	2134	45	F10	ALUM.	MET-A2	45 MIN	N/A	6A	6B	-	PDO, ED
D207	READING AREA	319	D1	HM	GL-T	965	2134	45	N/A	HM	PT	45 MIN	N/A	6D	6C	-	ED
D208	EXISTING SPACE	209	D1	ALUM.	GL-FR2	1000	2134	45	F12	ALUM.	MET-A2	45 MIN	N/A	6D	6C	-	PDO, ED
THIRD FLOOR																	
D301A	ELEV. VEST.	301	D2	HM	GL-FR2	1727	2134	45	F16	HM	PT	45 MIN	N/A	6A	6B	-	ED
D301B	CORRIDOR	302	D1	HM	GL-FR2	965	2134	45	N/A	HM	PT	45 MIN	N/A	6A	6B	-	PDO, ED
D304	STAIR NO.1	304	D2	ALUM.	GL-FR2	1930	2134	45	F17	ALUM.	MET-A2	45 MIN	N/A	6A	6B	-	PDO, ED

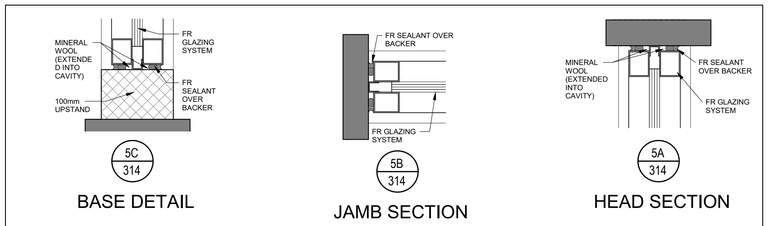
DOOR SCHEDULE ABBREVIATIONS

ALUM	ALUMINUM
ED	EXIT DEVICE
CR	CARD READER
HM	HOLLOW METAL
PDO	POWER DOOR OPERATOR
PT	PAINTED

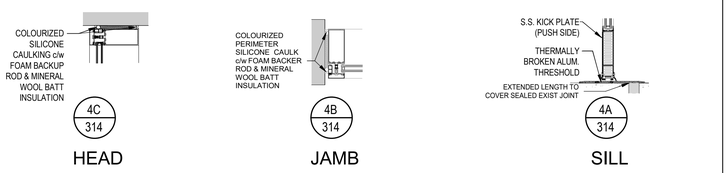
** FOR GLASS TYPES & FINISH TYPES REFER TO SPECIFICATIONS.



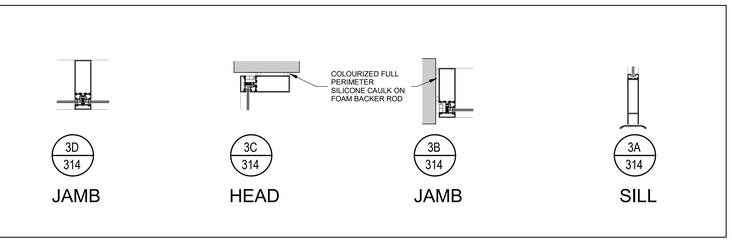
6 314 HOLLOW METAL FIRE RATED FRAME DETAILS
SCALE: 1 : 5



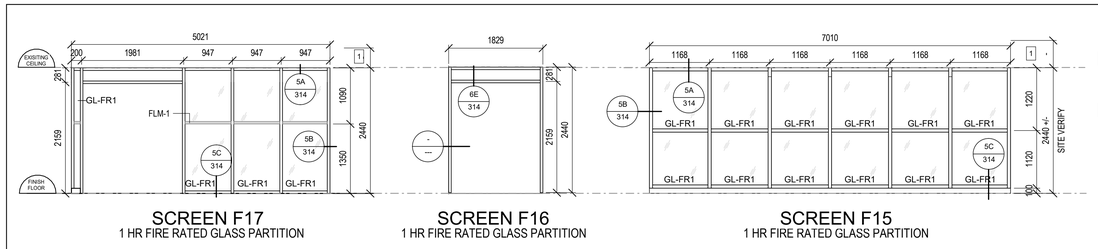
5 314 SECTION DETAILS @ FIRED RATED SCREEN
SCALE: 1 : 5



4 314 SECTION DETAILS @ INSULATED ALUMINUM SCREENS
SCALE: 1 : 5

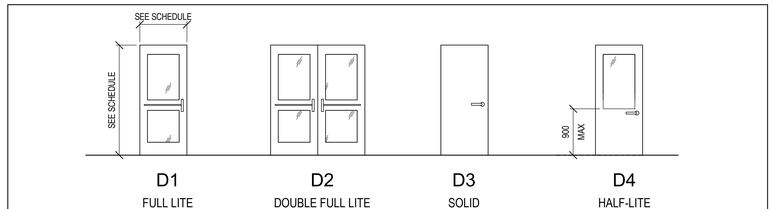


3 314 SECTION DETAILS @ NON-INSULATED ALUMINUM SCREENS
SCALE: 1 : 10

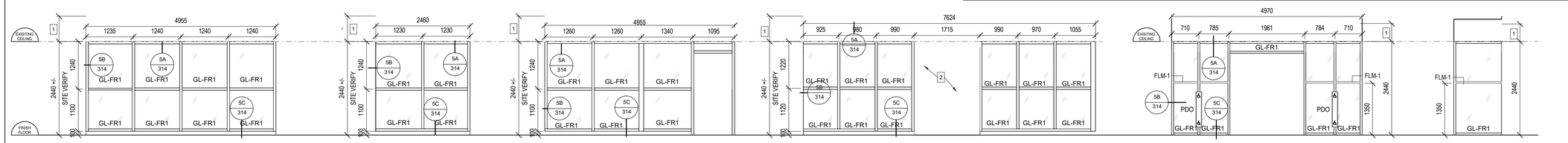


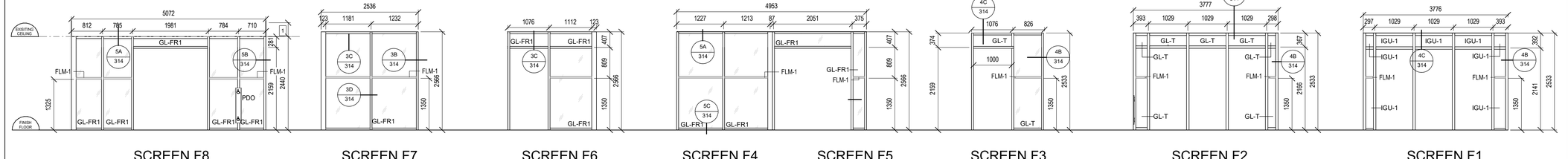
SCREEN KEYNOTES:

1. PROVIDE 1HR FRR PARTITION FROM TOP OF ALL FIRE RATED SCREENS TO U/S OF SLAB ABOVE. PROVIDE LATERAL SUPPORT FROM BASE OF WALL TO STRUCTURE ABOVE.
2. NEW P-2 WALL.



2 314 DOOR TYPES
SCALE: 1 : 50





1 314 FRAME & SCREEN TYPES
SCALE: 1 : 50

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE 5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	01/25/24

SUBJECT | SUJET
GLAZING ELEVATIONS, DOOR ELEVATIONS AND DOOR SCHEDULE

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

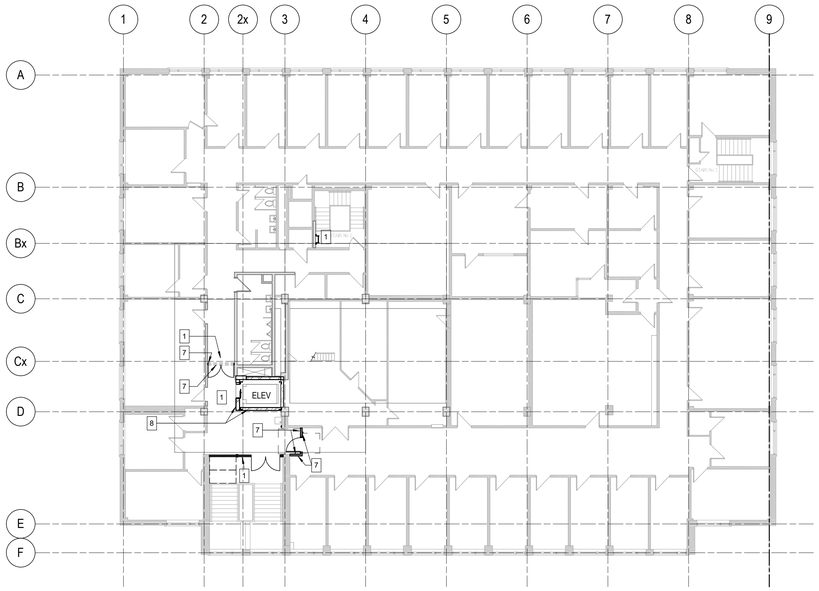
WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 314

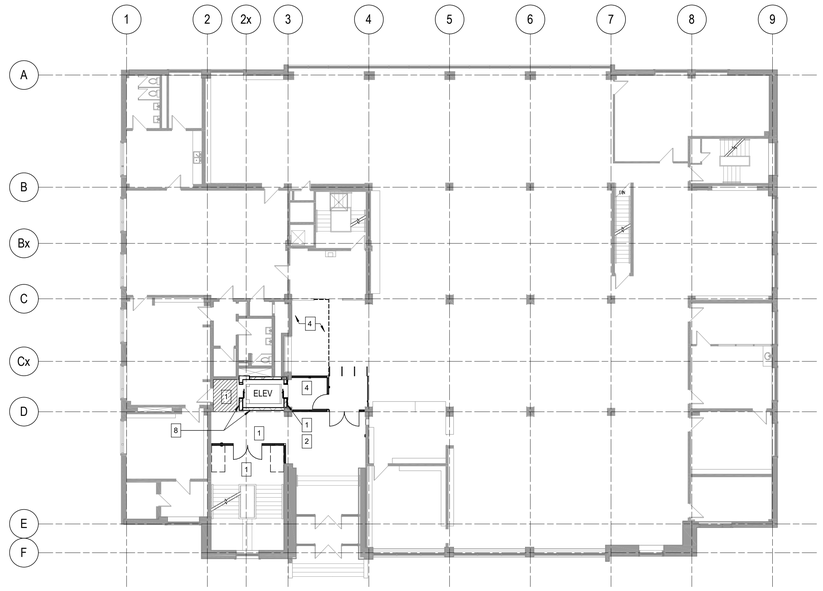
Canada

BORDER LAST UPDATED 2010-08-20

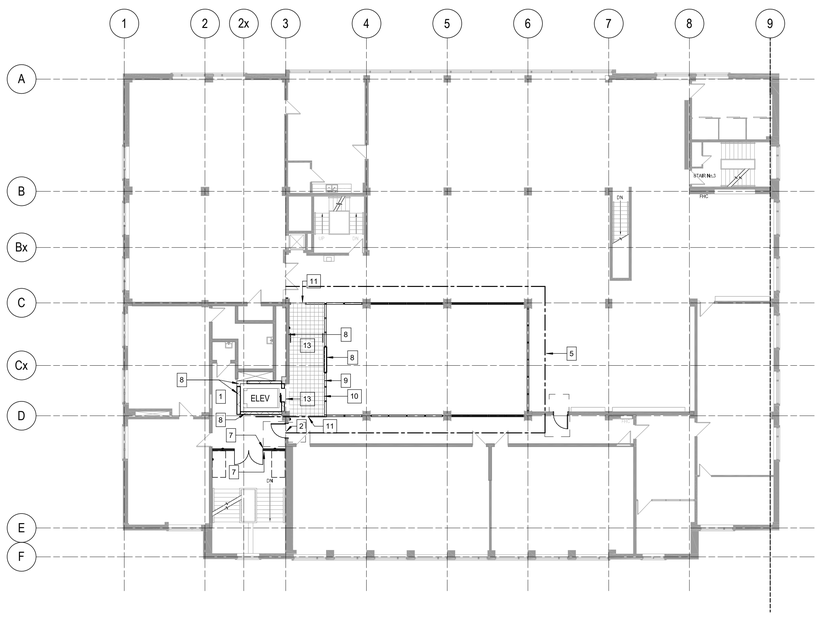
2026-03-23 10:05:24 AM Autodesk Docs://ND Massey Hall Elevator Upgrade/ON3723-0303_PB_DNO_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt



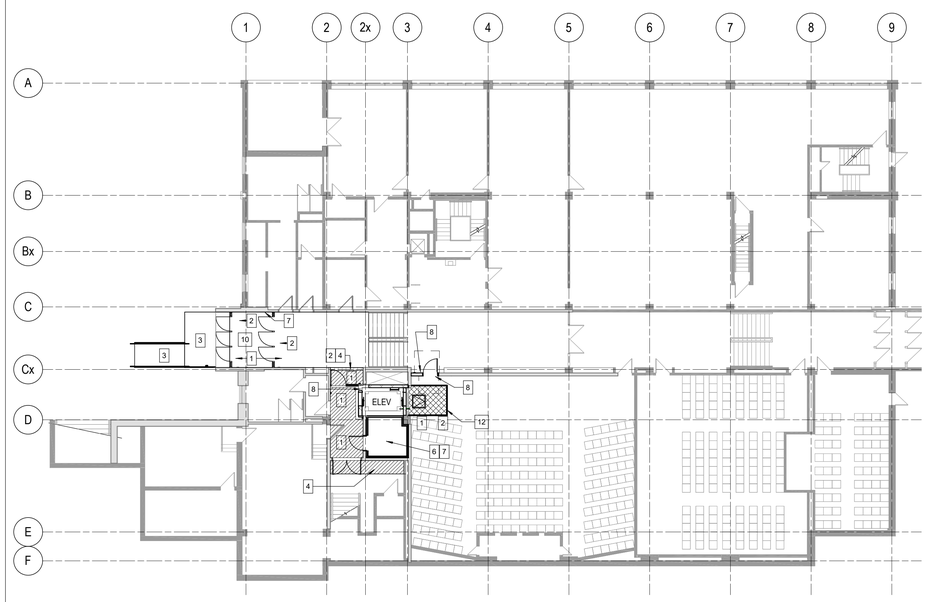
4 315 THIRD FLOOR FINISHES PLAN
SCALE: 1 : 175



2 315 FIRST FLOOR FINISHES PLAN
SCALE: 1 : 175



3 315 SECOND FLOOR FINISHES PLAN
SCALE: 1 : 175



1 315 BASEMENT/GROUND FLOOR FINISHES PLANS
SCALE: 1 : 175

GENERAL FINISHES NOTES:

1. ALL AREAS OF EXISTING CONSTRUCTION IMPACTED BY NEW CONSTRUCTION TO BE MADE GOOD, PATCH AND REPAIR AND PROVIDE PAINT FINISH TO MATCH ADJACENT SURFACE, UNLESS NOTED OTHERWISE.

2. AREAS OF NEW CONSTRUCTION TO HAVE PT-1 ON CEILINGS, PT-3 ON WALLS, AND RB-1 RUBBER BASE, UNLESS NOTED OTHERWISE.

3. FINISHES IDENTIFIED TO MATCH EXISTING ARE TO BE SITE VERIFIED AND APPROVED BY OWNER/ARCHITECT PRIOR TO PROCEEDING.

4. REFER TO ELECTRICAL FOR LIGHTING LAYOUT.

FINISHES KEYNOTE LEGEND

1	PATCH AND REPAIR EXISTING CEILING IMPACTED BY NEW CONSTRUCTION AND PAINT TO MATCH ADJACENT CEILING COLOUR.
2	EXISTING TERRAZZO FLOOR FINISH TO BE PATCHED AND REPAIRED. POLISHED POST INSTALLATIONS.
3	PROVIDE BROOMED FINISH ON NEW RAMP AND LANDING CONCRETE SURFACES AND CONCRETE SEALER (CSLR-1)
4	NEW GWB CEILING (C-1) ABOVE TO HAVE PAINT PT-1.
5	REINSTATED GWB BULKHEAD TO HAVE PAINT APPLIED ON HORIZONTAL AND VERTICAL SURFACES. COLOUR TO MATCH EXISTING.
6	NEW FIRE RATED GWB CEILING (C-2) ABOVE, PAINTED PT-1.
7	PT-1 FINISH APPLIED TO WALLS.
8	PT-3 FINISH APPLIED TO WALLS.
9	WALL BASE (WB-1).
10	EXISTING FLOOR GRILLE PROTECTED AND CLEANED.
11	FLOORING TRANSITION STRIP (TS-1).
12	FLOORING TRANSITION STRIP (TS-3).
13	NEW RESILIENT FLOORING (RTF-1), TO MATCH EXISTING.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	05/02/25

SUBJECT | SUJET
FINISHES PLANS

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 315

Canada

2026-03-23 10:31:35 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/DWGT23-9303_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_B24.rvt

LEGEND

- Access to Restricted Construction Area
- Plywood Hoarding
- Sound Insulated Hoarding
- B-Class Hoarding / Scaffold Framing
- Exterior Metal Fence Mesh Hoarding
- Area of Construction / Restricted Areas
- Restricted Areas or Areas Requiring Shutdown during Construction



Existing Primary (South) Entrance

RECEIVING DOCK

MEN'S WASHROOM
Area: 18.56 m2
14A

BARRIER FREE W/R
13A

Men's W/R at Giroud Building to be used

ROOM
14

13

TELECOM.
30A
Area: 8.61 m2

STORAGE
17
Area: 8.30 m2

STORAGE
18
Area: 10.61 m2

Area: 10.69 m2

OFFICE
26
Area: 34.75 m2

Area: 19.65 m2
20

BOOK SHELVES
30
Area: 39.98 m2

Area: 0.93 m2
30A

20A
UP
Area: 13.07 m2

DUMBWAITER
25

Area: 18.22 m2

BOOK SHELVES
22
Area: 81.17 m2

BOOK SHELVES
23
Area: 259.22 m2

Area: 5.07 m2
STORAGE
PIT
38

UP

ELEC.
37
Area: 2.41 m2

Area: 14.12 m2
36C
UP

Area: 42.90 m2
40
STORAGE

Proposed Temporary Entrance and Primary access to Library facilities

Existing Secondary Entrance to remain in operation

Extent of New Paved Area

Extent of New Ramp

Screen doors are replaced with new upon delivery of elevator system (PHASE 1) (+/-1 month)

Plywood or tarped hoarding during replacement of doors

Area:

10

FHC

41
Area: 8.82 m2

Phase 2 - Exterior, Ground/ Basement
To Commence after delivery of Elevator System

42
Area: 9.01 m2

DN

DN

12
Area: 26.41 m2

FHC

WOMEN'S WASHROOM
5A
Women's W/R in Girourd Building to be used

5
Area: 4.13 m2

2984

4
Area: 13.57 m2

2693

21
ELEVATOR

Area: 6.25 m2

8
MECHANICAL
Area: 8.06 m2

Area: 14.25 m2
3

UP

Area: 3.32 m2
JANITOR
1

CLASSROOM
7
Area: 175.79 m2

RMC to confirm Shutdown of Lecture Hall or reduce capacity to under 60 Persons

7A
Area: 10.41 m2

CLASSROOM
15
Area: 135.83 m2

CLASSROOM
19
Area: 53.84 m2

ENCLOSED WALKWAY TO BUILDING R71

MECHANICAL
2A
Area: 27.05 m2

UP

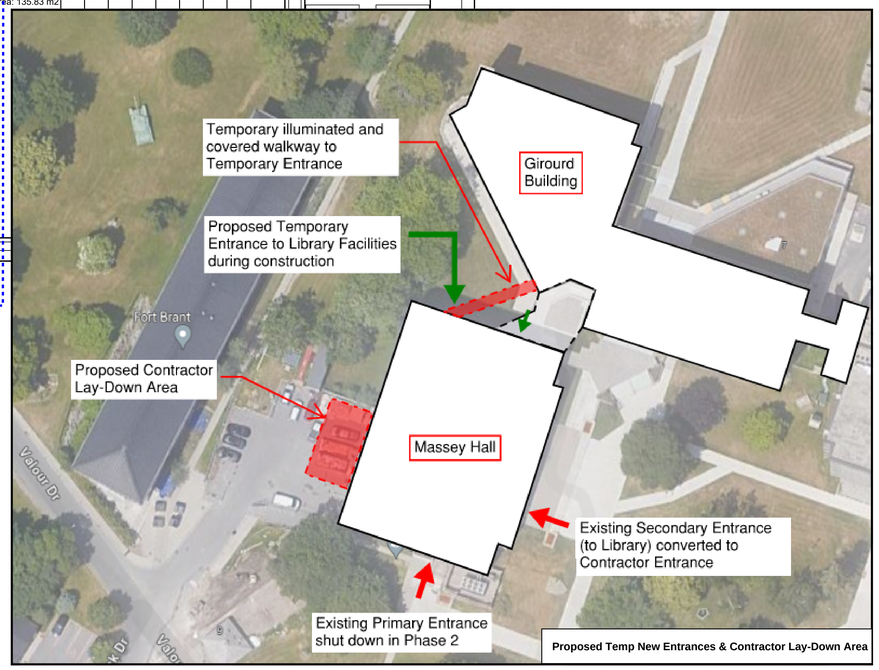
2B

MECHANICAL
2C
Area: 17.40 m2

MECHANICAL
2
Area: 71.09 m2

UP

BASEMENT
SCALE 1:100



Proposed Temp New Entrances & Contractor Lay-Down Area

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER
ARCHITECTURAL

DATE
10/07/25

SUBJECT | SUJET
IMPLEMENTATION PLAN - GROUND FLOOR & BASEMENT - PH.2

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT
WBS # (6.3.5.)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 316

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:25 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/DNDT23-0003_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_B23.rvt

PHOTOS:



1) EXITING GIROURD TO TEMPORARY ENTRANCE



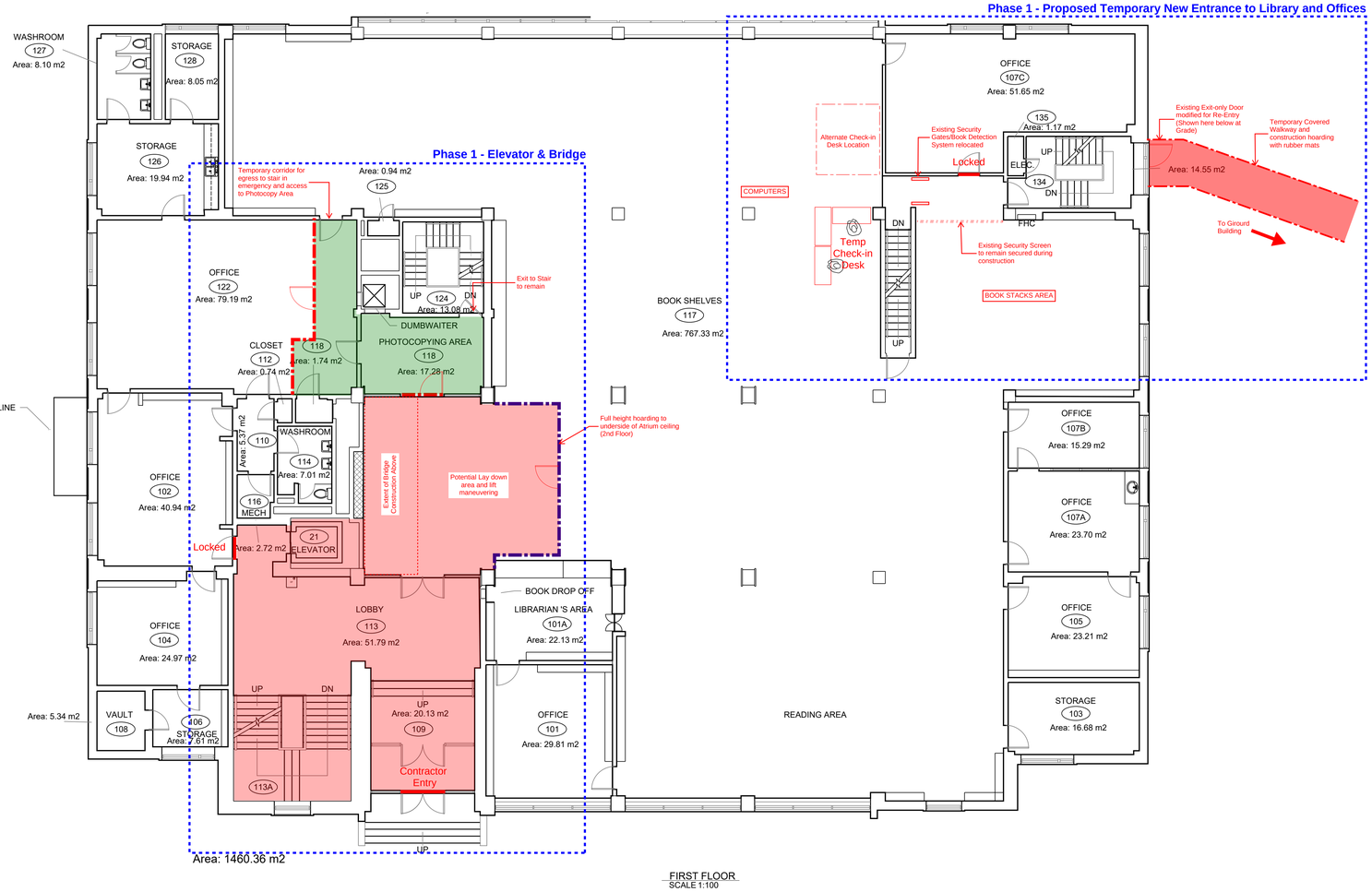
2) APPROACHING MASSEY HALL TEMPORARY ENTRANCE



3) EXAMPLE OF CLASS B CONSTRUCTION HOARDING (COVERED WALKWAY & SCREENED FROM WIND & ELEMENTS)

LEGEND

- Access to Restricted Construction Area
- Plywood Hoarding
- Sound Insulated Hoarding
- B-Class Hoarding / Scaffold Framing
- Exterior Metal Fence Mesh Hoarding
- Area of Construction / Restricted Areas
- Restricted Areas or Areas Requiring Shutdown during Construction



FIRST FLOOR
SCALE 1:100

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	10/07/25

SUBJECT | SUJET
IMPLEMENTATION PLAN - FIRST FLOOR - PH.1

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION -		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 317

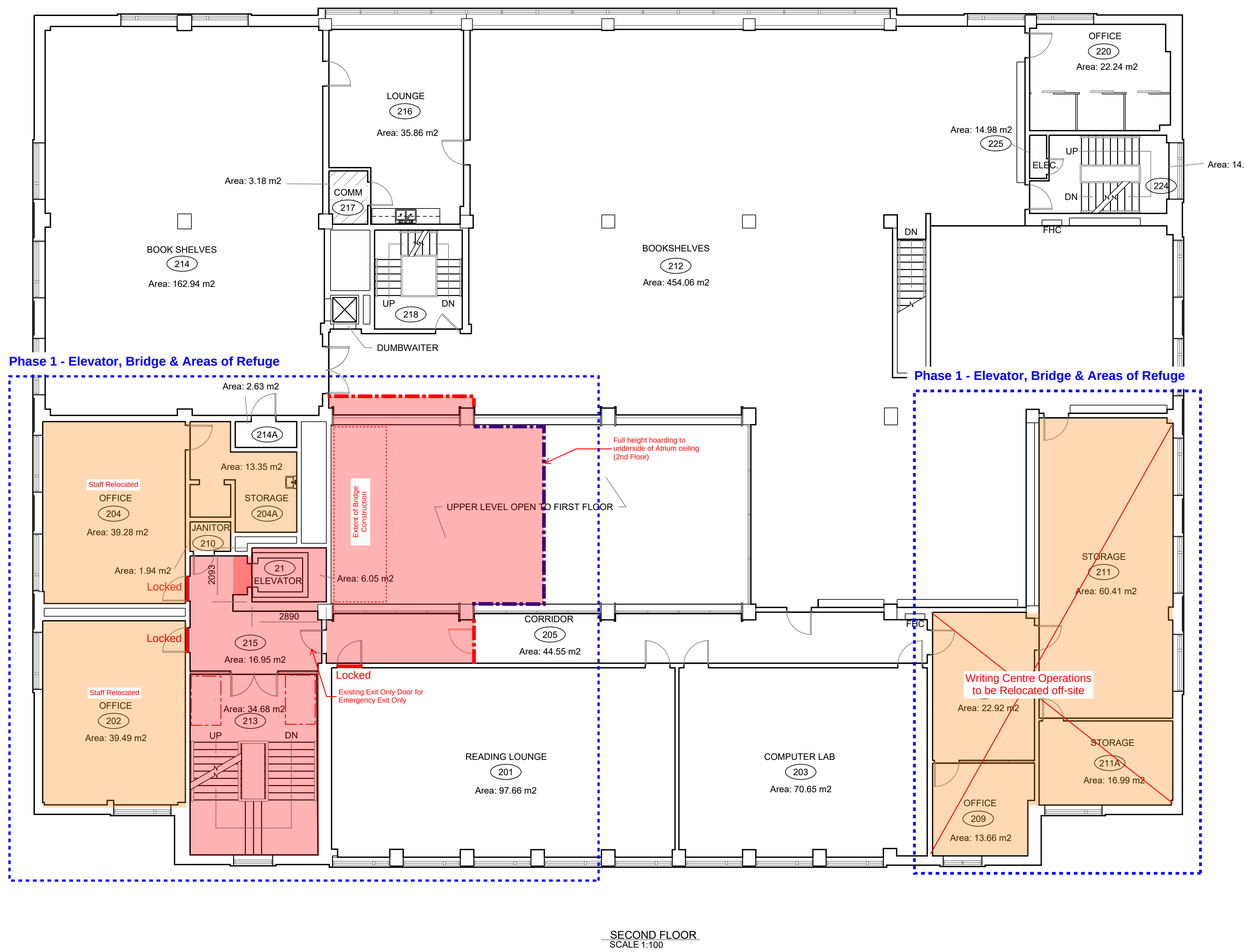
Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:25 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND-23-1003_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt

LEGEND

- Access to Restricted Construction Area
- Plywood Hoarding
- Sound Insulated Hoarding
- B-Class Hoarding / Scaffold Framing
- Exterior Metal Fence Mesh Hoarding
- Area of Construction / Restricted Areas
- Restricted Areas or Areas Requiring Shutdown during Construction



SECOND FLOOR
SCALE 1:100

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	10/07/25

SUBJECT | SUJET
IMPLEMENTATION PLAN - SECOND FLOOR - PH.1

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 318

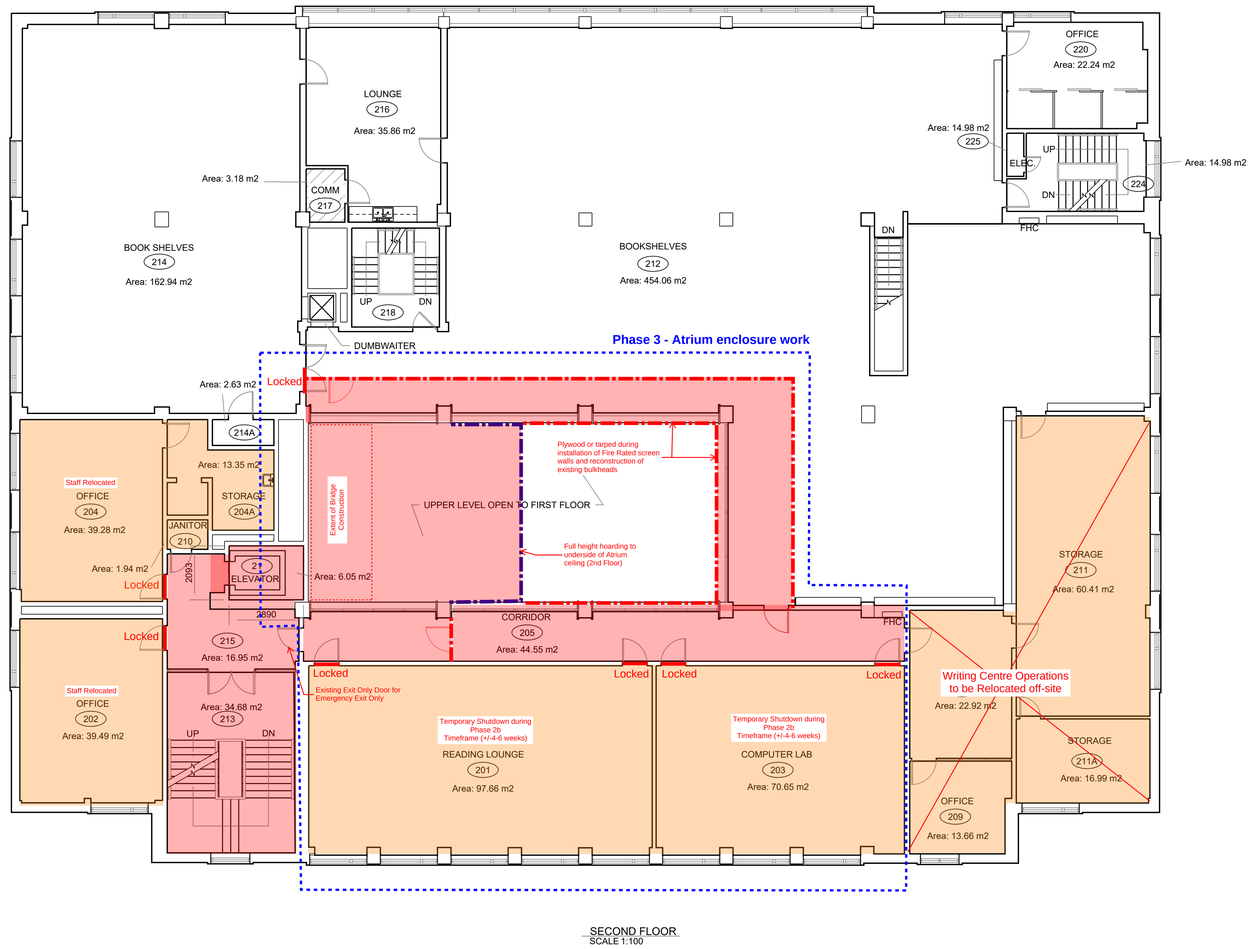
Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:25 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND-K74-23-0301_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt

LEGEND

- Access to Restricted Construction Area
- Plywood Hoarding
- Sound Insulated Hoarding
- B-Class Hoarding / Scaffold Framing
- Exterior Metal Fence Mesh Hoarding
- Area of Construction / Restricted Areas
- Restricted Areas or Areas Requiring Shutdown during Construction



SECOND FLOOR
SCALE 1:100

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION of ARCHITECTS
JONATHAN D. HUGHES
LICENCE
5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	10/07/25

SUBJECT | SUJET
IMPLEMENTATION PLAN -SECOND FLOOR - PH.3

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 319

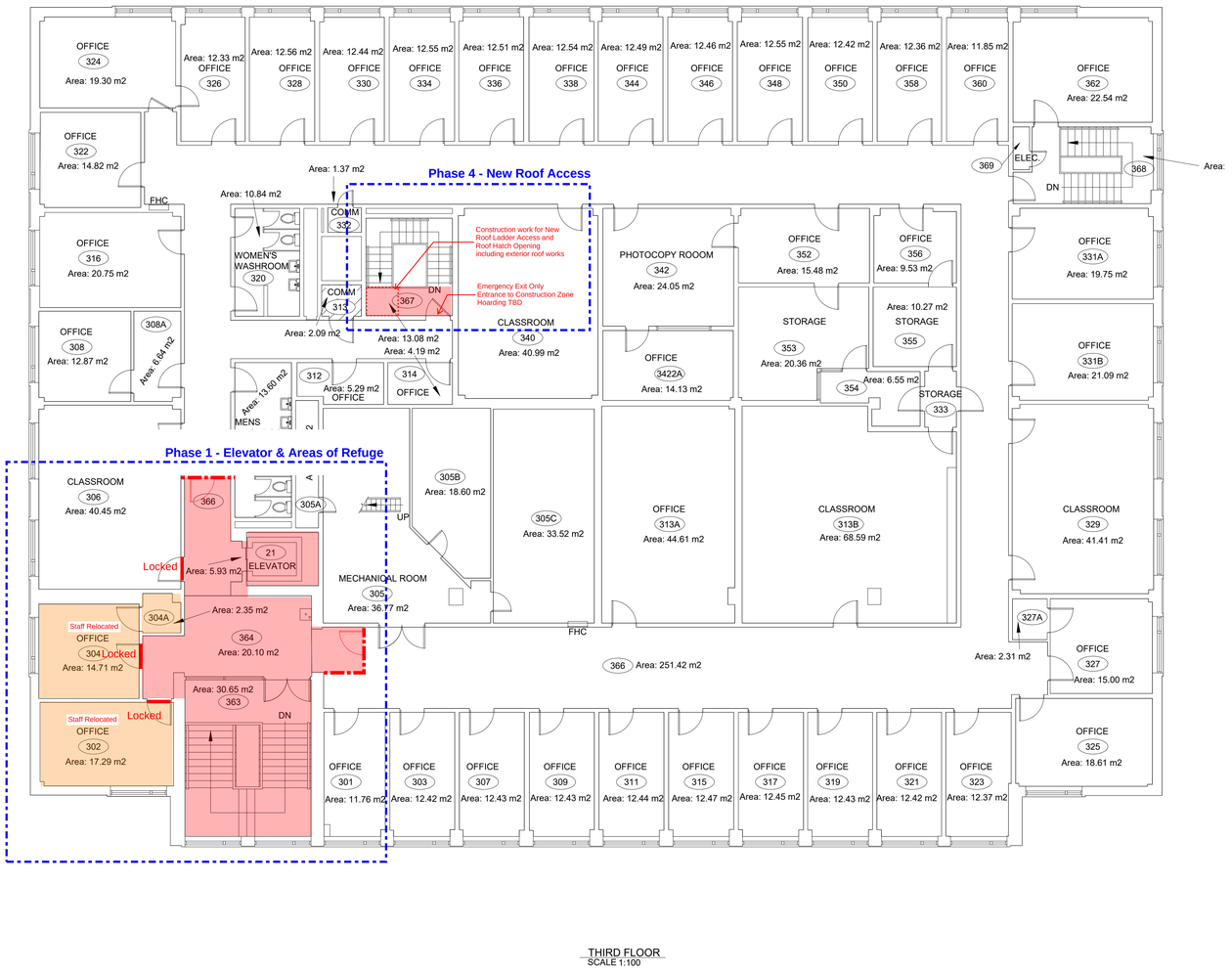
Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:25 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNO723-0003_PB_DND_AR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt

LEGEND

- Access to Restricted Construction Area
- Plywood Hoarding
- Sound Insulated Hoarding
- B-Class Hoarding / Scaffold Framing
- Exterior Metal Fence Mesh Hoarding
- Area of Construction / Restricted Areas
- Restricted Areas or Areas Requiring Shutdown during Construction



THIRD FLOOR
SCALE 1:100

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

ONTARIO ASSOCIATION OF ARCHITECTS — JONATHAN D. HUGHES — LICENCE 5674

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
R13 Elevator Replacement & Barrier Free Upgrades

TRADE | MÉTIER	DATE
ARCHITECTURAL	10/07/25

SUBJECT | SUJET
IMPLEMENTATION PLAN - THIRD FLOOR - PH. 1 & 4

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ NORR AEL		DES O | AGENT CONC
DRAWN | DESSINÉ NORR AEL		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ NORR AEL		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (6.3.5.)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 320

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 10:05:25 AM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNO723-0001 PB_DND_KR_Kingston_MasseyBuilding_ElevatorUpgrade_R24.rvt

PIPE LEGEND

DESIGNATION	SERVICE
– – – V – – –	VENT
——SAN——	SANITARY ABOVE GRADE OR FLOOR
– – –SAN– – –	SANITARY BELOW GRADE OR FLOOR
——CD——	CONDENSATE DRAIN
——PD——	PUMPED DRAIN
——RS——	REFRIGERATION SUCTION
– – – RL – – –	REFRIGERATION LIQUID
——RHG——	REFRIGERATION HOT GAS

SYMBOLS

DESIGNATION	SERVICE
	SHUT-OFF VALVE
	PIPE CAP
	PIPE DN
	PIPE UP
BWV	BACK WATER VALVE (FOR SEWAGE)
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
HD	HUB DRAIN
	P-TRAP
CO	CLEANOUT ABOVE GRADE OR FLOOR
CO	CLEANOUT TURNED UP THROUGH FLOOR
	PUMP
	SUPPLY AIR DIFFUSERS
	RETURN OR EXHAUST AIR GRILLE OR REGISTER

SYMBOLS

DESIGNATION	SERVICE
	SUPPLY DUCT UP
	SUPPLY DUCT DN
	RETURN OR EXHAUST DUCT UP
	RETURN OR EXHAUST DUCT DN
R	RISE IN DUCT
D	DROP IN DUCT
	FLEXIBLE PIPE/DUCT
	TURNING VANES
FD	FIRE DAMPER
BD	BALANCING DAMPER
	DIFFUSER/REGISTER TYPE NECK SIZE AIRFLOW
X MXX-XX-XX	DETAIL NO.
B	EQUIPMENT TAG (REFER TO SCHEDULES) EQUIPMENT NUMBER

Sheet List

Sheet Number	Sheet Name
400	LEGEND SCHEDULE AND DRAWING LIST
401	TYPICAL DETAILS SHEET 1
402	OVERALL BASEMENT GROUND FLOOR PLAN - PLUMBING
403	OVERALL BASEMENT GROUND FLOOR PLAN - HVAC
404	OVERALL FIRST FLOOR PLAN - HVAC
405	OVERALL SECOND FLOOR - HVAC
406	OVERALL THIRD FLOOR PLAN - HVAC
407	OVERALL ROOF PLAN
408	PART PLAN - BASEMENT GROUND FLOOR - PLUMBING
409	PART PLAN - BASEMENT GROUND FLOOR - HVAC
410	PART PLAN - FIRST, SECOND, THIRD, AND ROOF - HVAC

STAIR PRESSURIZATION FAN SCHEDULE

UNIT TAG	LOCATION	TYPE	EXHAUST AIRFLOW (L/s)	E.S.P. (Pa)	FAN RPM	FAN WEIGHT (KG)	ELECTRICAL				Volts/Ph/Hz	DISCONNECT			CONTROLS		NOTES
							MOTOR POWER (HP)	FLA (A)	MCA (A)	MOCP (A)		INSTALLED	SUPPLIED	WIRED	WIRED	TYPE	
PF-01	ROOF	Roof mounted belt drive supply fan	2565	50	586	18.2	2	13.2			208/1/60	Div. 26	Div. 26	Div. 26	Div. 23	FIRE ALARM	SEE BELOW

Notes:

1. FAN SHALL BE HEAVY GAUGE STEEL HOUSING AND POWER ASSEMBLE SUITABLE FOR PRESSURIZATION SERVICE AND OUTDOOR INSTALLATION.
2. PROVIDE INTERFACE WITH FIRE ALARM SYSTEM.
3. FAN SEQUENCE OF OPERATION
   * UNDER NORMAL CONDITIONS, STAIR PRESSURIZATION FAN WILL BE OFF WITH ALL ASSOCIATED MOTORIZED DAMPERS IN CLOSED POSITION.
   * UPON ACTIVATION OF FIRE ALARM, STAIR PRESSURIZATION FAN SHALL BE ENABLED AND ITS ASSOCIATED INTAKE MOTORIZED DAMPER SHALL OPEN. WHEN DAMPER IS FULLY OPEN, THE FAN SHALL START. THE RELIEF LOUVER ON FIRST FLOOR LEVEL SHALL OPEN TO RELIEVE AIR TO OUTDOORS.
   * PROVISION SHALL BE MADE AT THE FIRE ALARM CONTROL PANEL TO MANUALLY TURN OFF THE FAN.
   * UPON CLEARANCE OF THE FIRE ALARM, THE STAIR PRESSURIZATION FAN SHALL RETURN TO ITS NORMAL CONDITION.

SUMP PUMPS

REF. No.	PUMP SERVICE	CAPACITY (L/S)	HEAD (kPa)	TYPE	WEIGHT (KG)	MOTOR SIZE (bhp)	MOTOR FLA	MOTOR POWER V / PH / HZ	EMERGENCY POWER (Y/N)	REMARKS
P-01	ELEVATOR PIT DRAINAGE	1.6	74.7	SUBMERSIBLE	13	0.4	9.1	115/1/60	N	1,2
P-02	ELEVATOR PIT DRAINAGE	1.6	74.7	SUBMERSIBLE	13	0.4	9.1	115/1/61	N	1,2

NOTES:

1 The pumps shall be connected to manufacturer's provided stand alone controller with capabilities to be connected to BAS for monitoring and alarm purposes.
2 Controller to be located in the vicinity of the sump pit. Controller location is in public space and shall be in outdoor lockable enclosure for security purposes. Exact location on site to be coordinated with DDC Rep.

SPLIT AC UNIT SCHEDULE

TAG	AREA SERVED	INDOOR									OUTDOOR						
		COOLING CAPACITY		HEATING (kW)	AIRFLOW (L/s)	SOUND LEVEL (dBA)	ELECTRICAL			WEIGHT (kg)	TAG	EER2	ELECTRICAL				WEIGHT (kg)
		TOTAL (kW)	SENSIBLE (kW)				V-HZ-PH	MCA (A)	EMERGENCY POWER				V-HZ-PH	MCA (A)	MOP (A)	EMERGENCY POWER	
AC-01	ELEVATOR MECHANICAL ROOM	3.5	2.9	N/A	N/A	48	208/1/60	1	NO	13	CU-01	13.3	208/1/60	17	28	NO	41

NOTES:

1. COMPLETE WITH LOCAL CONTROLLER/THERMOSTAT TO BE CONNECTED TO BUILDING MANAGEMENT SYSTEM FOR MONITORING AND ALARM PURPOSES.
2. AC-01 POWER SUPPLIED FROM CU-01.
3. PROVIDE CONDENSTE PUMP REFER TO SPECIFICATION FOR DETAILS
4. CU-1 TO BE C/W -40C LOW AMBIENT KIT AND WIND BAFFLES

GRILLE SCHEDULE

TAG	TYPE	MATERIAL	FACE SIZE (mm)	C/W VOLUME DAMPER	NOTES
A	EGGCRATE	ALUMINUM	800x500	NO	
B	LOUVERED	ALUMINUM WITH 45° BLADES AT 19mm	AS NOTED	NO	COORDINATE WITH FIRE DAMPER INSTALLATION

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
G.S. ALLAN
90503397
Mar. 23, 2026
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
NONE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER
MECHANICAL

DATE
01/08/24

SUBJECT | SUJET
LEGEND, SCHEDULE & DRAWING LIST

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. Allan		DES O | AGENT CONC
DRAWN | DESSINÉ Author		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ Checker		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 400

Canada

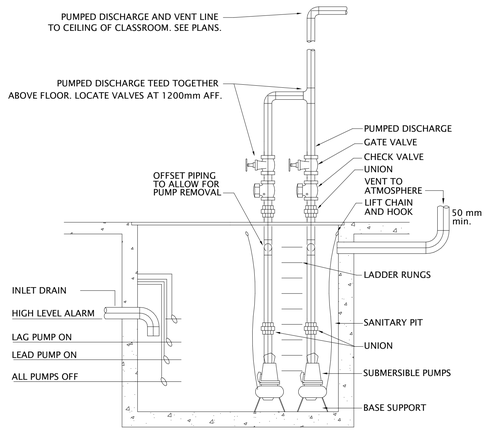
2026-03-23 3:18:16 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/OKOT23-0003_PB_DND_ME_Kingston_Massey_Library_R24.rvt

NOTES:

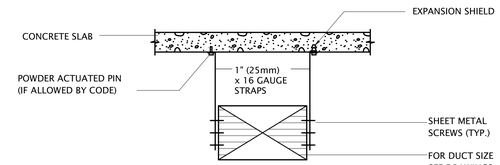
1 REFER TO PLANS FOR PIT SIZES, DRAIN SIZES, VENT SIZES, DRAIN INVERTS AND FLOOR ELEVATIONS.

2 REFER TO DRAWINGS AND SPECIFICATIONS FOR THE SCOPE OF WORK. INSTALL THE FLOAT SWITCHES.

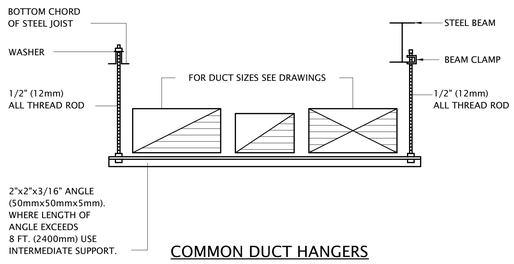
3 SUMMARIZE INFORMATION REGARDING SUMP PIT TAG, PUMPS, DIMENSIONS, FLOAT SWITCH LEVELS AND INCLUDE WITH THE COMMISSIONING REPORT AND CLOSE -OUT DOCUMENTATION.



3 401 SUMP PIT AND PUMPS
SCALE: NTS



SINGLE RECTANGULAR DUCT

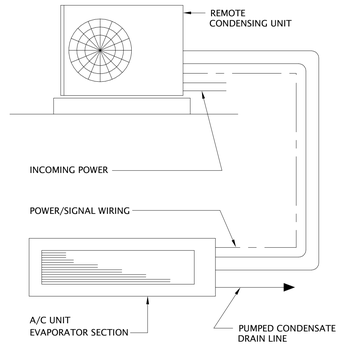


COMMON DUCT HANGERS

NOTE:

DUCTS SHALL BE SUPPORTED AT NOT LESS THAN 10 FT. (3000mm) O.C.

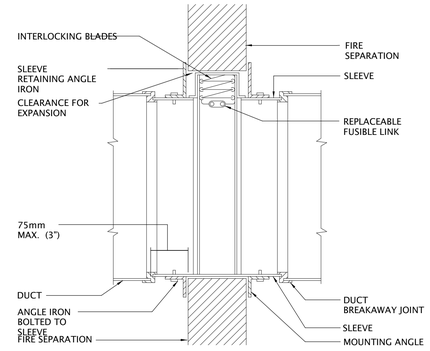
2 401 INSTALLATION AND SUPPORTS FOR DUCTWORK
SCALE: NTS



NOTES:

1. REFRIGERANT LINES, SIZE TO SUIT MANUFACTURER'S RECOMMENDATIONS
2. REFER TO MANUFACTURER REGARDING SEPARATE POWER REQUIREMENT FOR THE CONDENSATE PUMP.
3. SOME MANUFACTURERS, DEPENDING ON THE SIZE OF UNIT REQUIRE POWER AT BOTH INDOOR AND OUTDOOR UNIT.

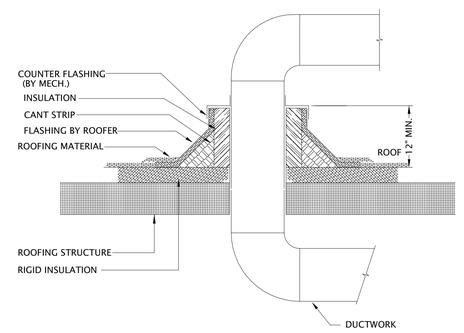
1 401 AC UNIT DETAIL
SCALE: NTS



NOTE:

1. INSTALLATION SHALL COMPLY WITH THE MANUFACTURES PRINTED RECOMMENDATIONS.

5 401 FIRE DAMPER INSTALLATION
SCALE: NTS



4 401 DUCTWORK THROUGH CURB & ROOF DETAIL
SCALE: NTS

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
G.S. ALLAN
90507297
Mar. 23, 2026
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
NONE

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER

DATE
10/09/20

SUBJECT | SUJET

TYPICAL DETAILS - SHEET 1

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. Allan		DES O | AGENT CONC
DRAWN | DESSINÉ Author		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ Checker		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

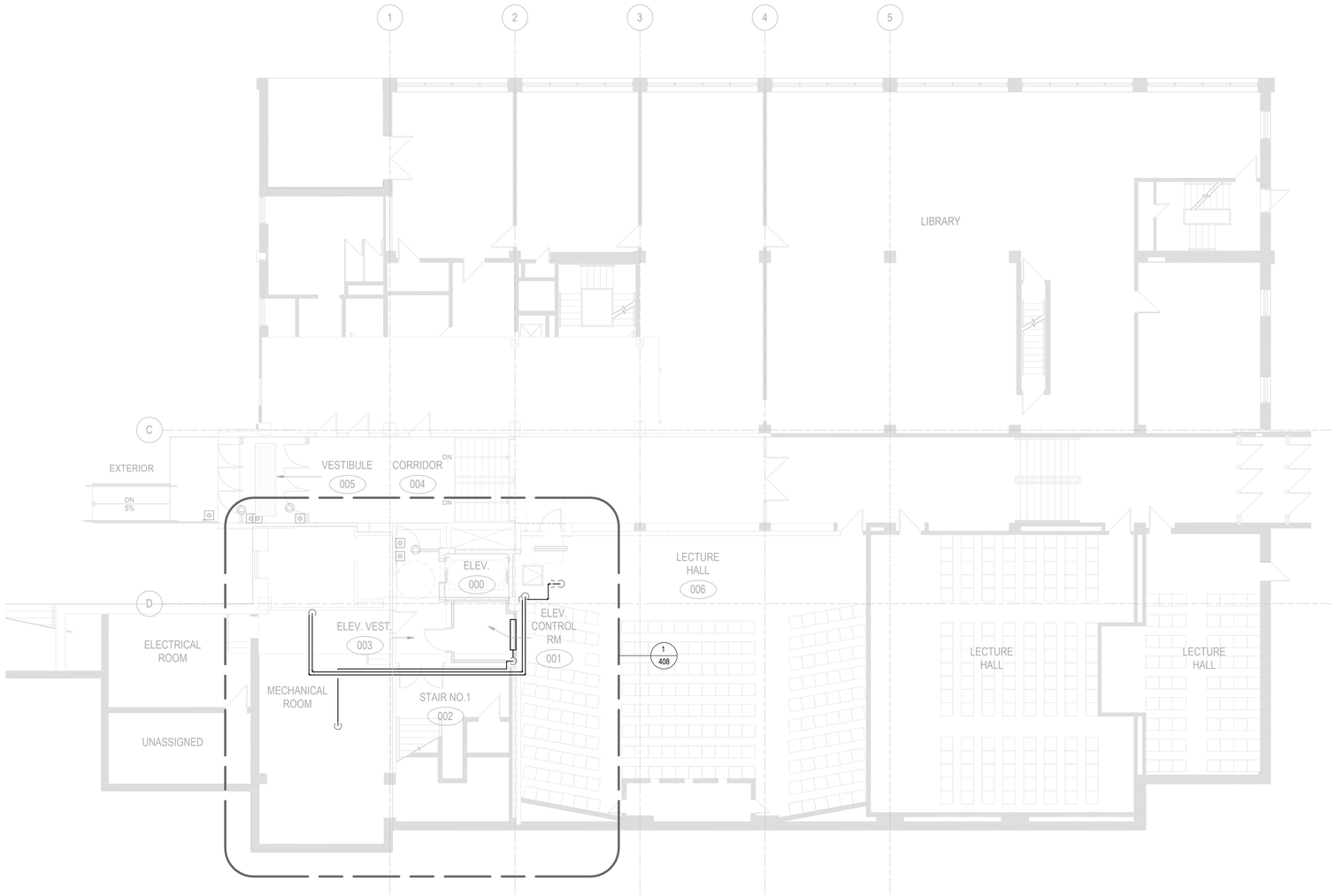
WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 401

Canada

2026-03-23 3:18 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DNDT23-0003_PB_DND_ME_Kingston_Massey Library_R24.rvt



1 / 402 OVERALL BASEMENT GROUND FLOOR PLAN PLUMBING

SCALE: 1 : 100

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER | LAST UPDATED 2010-08-20

LICENCED PROFESSIONAL ENGINEER
G.S. ALLAN
90505397
Mar. 23, 2026
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:100 (1 0 1 2 3 4 5 6 7 m)

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER

DATE
10/09/20

SUBJECT | SUJET
OVERALL BASEMENT GROUND FLOOR PLAN - PLUMBING

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. Allan		DES O | AGENT CONC
DRAWN | DESSINÉ Author		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ Checker		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

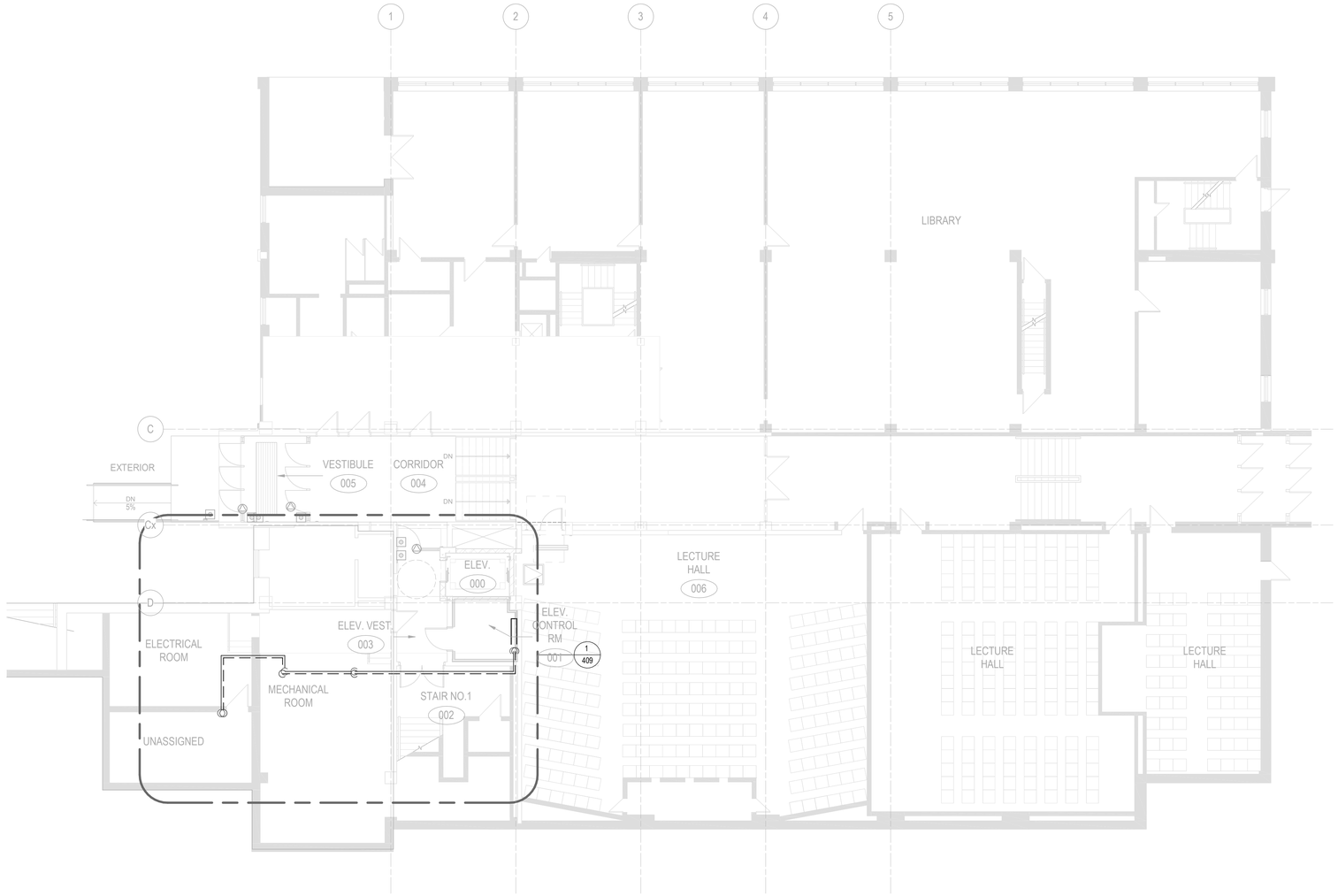
WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 402

Canada

2026-03-23 3:18:17 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND_ME_Kingston_Massey_Library_R24.rvt



1/403 OVERALL BASEMENT GROUND FLOOR PLAN HVAC

SCALE: 1 : 100

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
G.S. ALLAN
90505397
Mar. 23, 2026
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
1:100

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER

DATE
10/09/20

SUBJECT | SUJET
OVERALL BASEMENT GROUND FLOOR PLAN - HVAC

PRODUCTION	REVIEWED	REVU	
DESIGNED | ÉTUDIÉ G. Allan			DES O | AGENT CONC
DRAWN | DESSINÉ Author			PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ Checker			DES MGR | GÉST CONC
COORDINATION			FIRE | INCENDIE

WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 403

Canada

2026-03-23 1:18:17 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNCT23-0003_PB_DND_ME_Kingston_MasseyLibrary_R24.rvt



1/404 OVERALL FIRST FLOOR PLAN HVAC

SCALE: 1 : 100

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
G.S. ALLAN
90505397
Mar. 23, 2026
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
1:100

1 0 1 2 3 4 5 6 7 m

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER

DATE
10/09/20

SUBJECT | SUJET
OVERALL FIRST FLOOR PLAN - HVAC

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. Allan		DES O | AGENT CONC
DRAWN | DESSINÉ Author		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ Checker		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

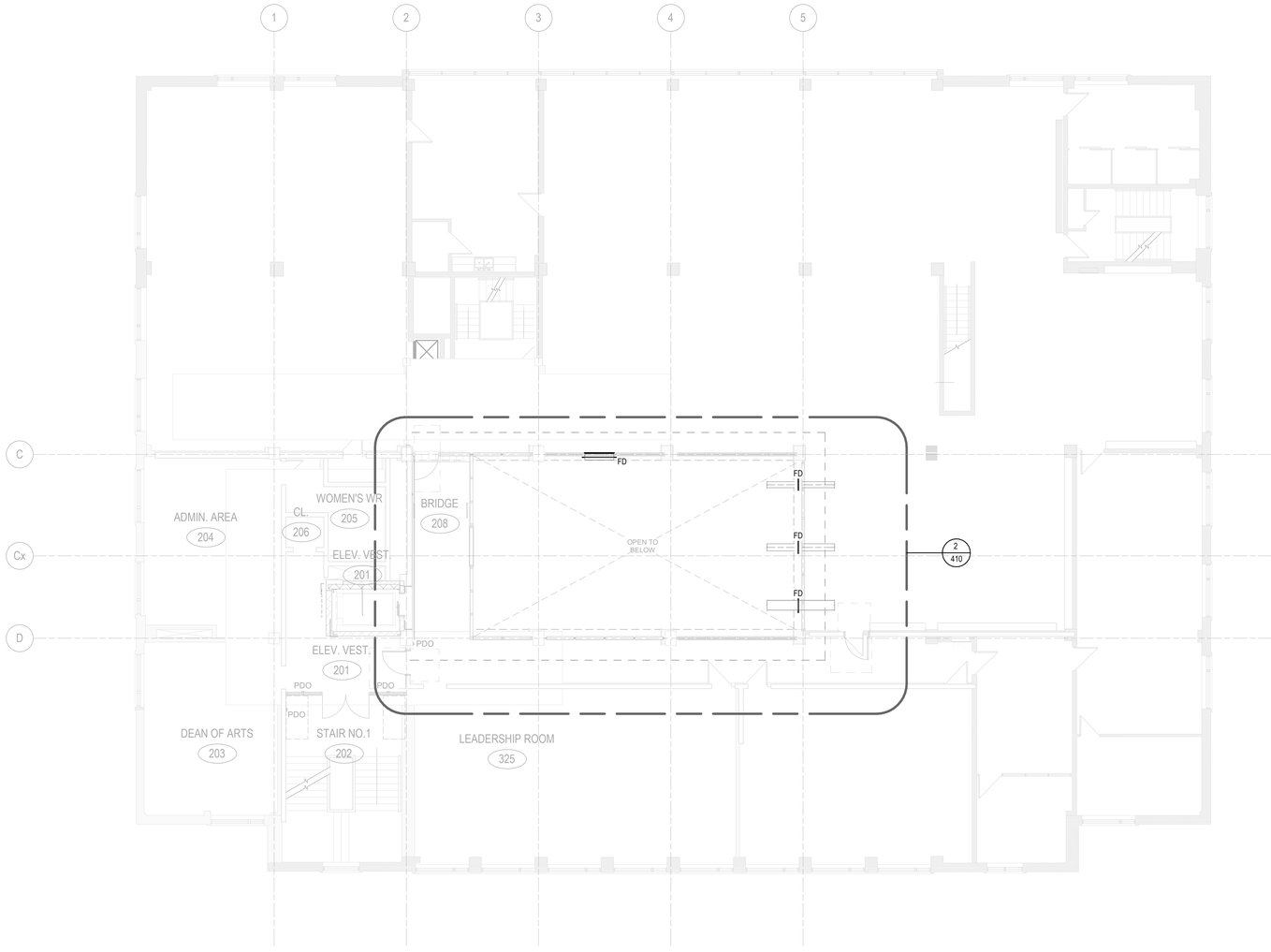
WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 404

Canada

2026-03-23 3:18:17 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND123-0003_PB_DND_ME_Kingston_MasseyLibrary_R24.rvt



1 / 405 OVERALL SECOND FLOOR PLAN HVAC
SCALE: 1 : 100

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER | LAST UPDATED 2010-08-20

LICENCED PROFESSIONAL ENGINEERS
G.S. ALLAN
90506287
Mar. 23, 2026
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
1:100
1 0 1 2 3 4 5 6 7 m

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER

DATE
10/09/20

SUBJECT | SUJET
OVERALL SECOND FLOOR PLAN - HVAC

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. Allan		DES O | AGENT CONC
DRAWN | DESSINÉ Author		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ Checker		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

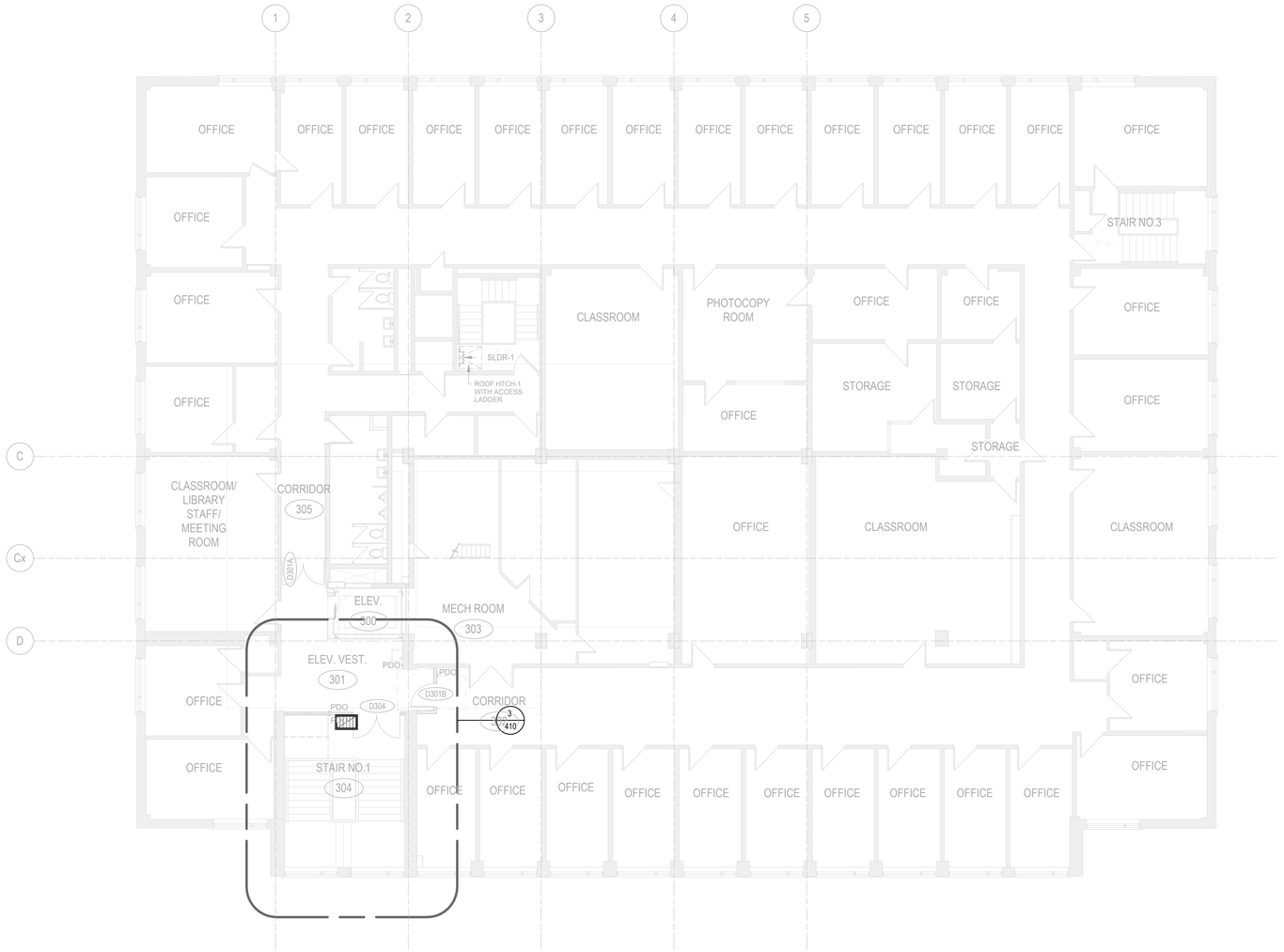
WBS NUMBER | NO. SRT
WBS # (Project Info)

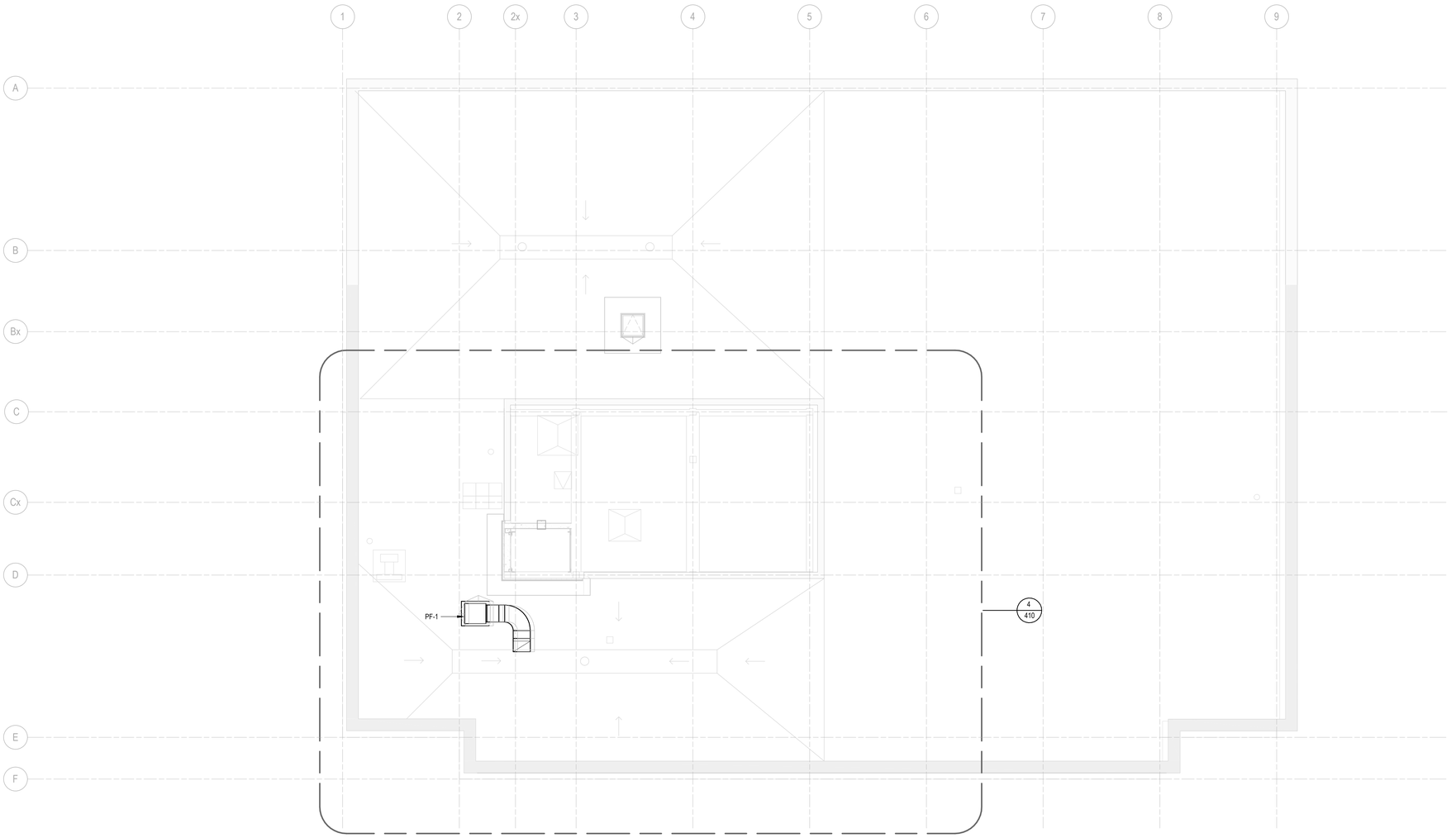
PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 405

Canada

2026-03-23 3:18:19 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DNDT23-10031-PB_DND_ME_Kingston_MasseyLibrary_R24.rvt


1
2
3
4
5
C
Cx
D
OFFICE
OFFICE
OFFICE



1 / 407 OVERALL ROOF PLAN

SCALE: 1 : 100

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
G.S. ALLAN
90565397
Mar. 23, 2026
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
1:100

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER	DATE
	10/09/20

SUBJECT | SUJET
OVERALL ROOF PLAN

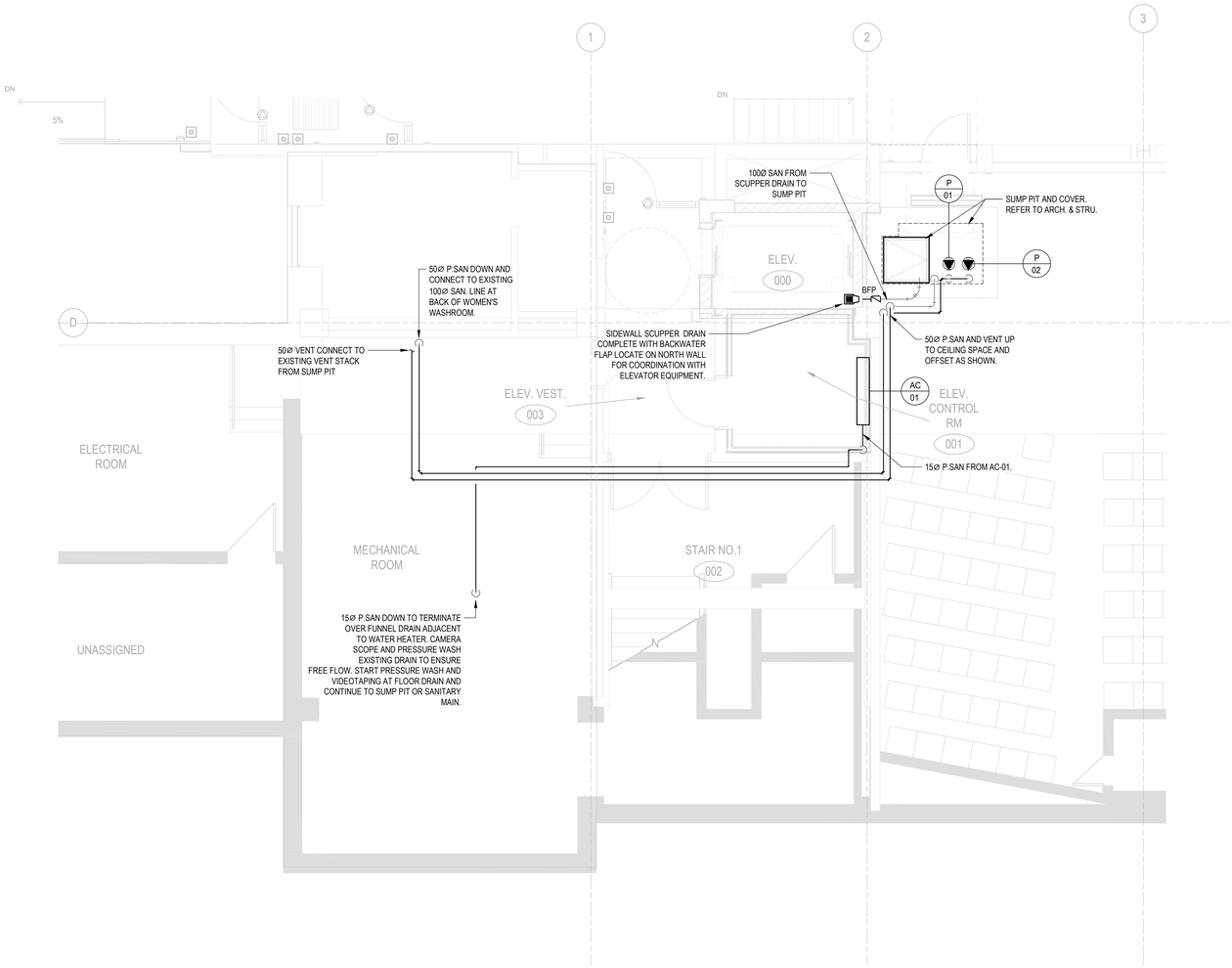
PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: G. Allan		DES O | AGENT CONC
DRAWN | DESSINÉ: Author		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: Checker		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 407

Canada

2026-03-23 3:18:20 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND723-0003_PB_DND_ME_Kingston_Massey_R24.rvt



1/408 PART PLAN BASEMENT GROUND FLOOR PLUMBING

SCALE: 1 : 50

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEERS
G.S. ALLAN
90505397
Mar. 23, 2026
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50

500 0 500 1000 1500 2000 2500 3000 3500 mm

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER

DATE 10/09/20

SUBJECT | SUJET
PART PLAN BASEMENT GROUND FLOOR - PLUMBING

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. Allan		DES O | AGENT CONC
DRAWN | DESSINÉ Author		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ Checker		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

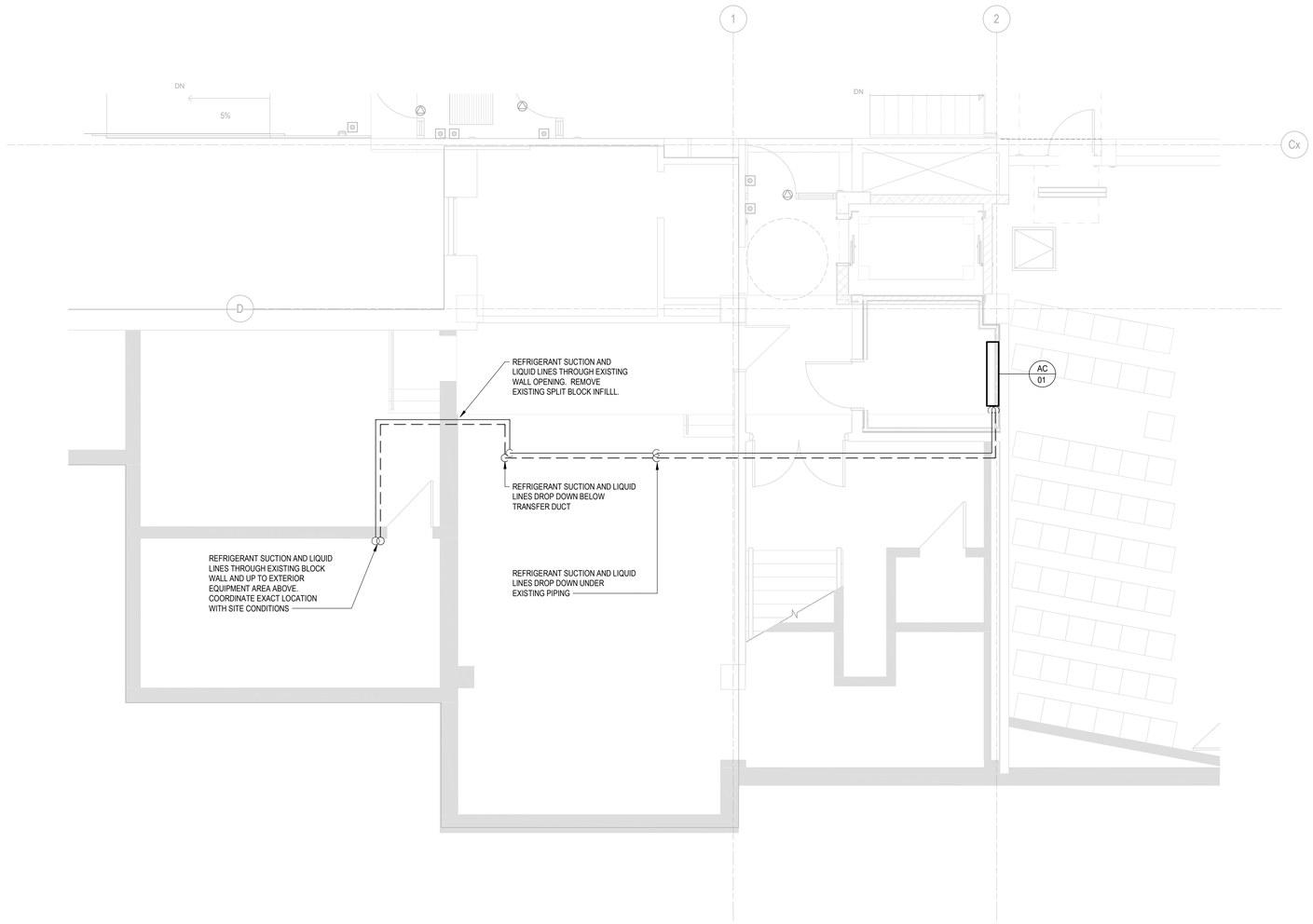
WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 408

Canada

2026-03-23 3:18:21 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND_MH_Kingston_Masseyd_Bldng_R24.rvt



1 / 409 PART PLAN BASEMENT GROUND FLOOR HVAC
SCALE: 1 : 50

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEERS
G.S. ALLAN
90053077
Mar. 23, 2026
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50

500 0 500 1000 1500 2000 2500 3000 3500 mm

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER

DATE
10/09/20

SUBJECT | SUJET
PART PLAN BASEMENT
GROUND FLOOR - HVAC

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. Allan		DES O | AGENT CONC
DRAWN | DESSINÉ Author		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ Checker		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

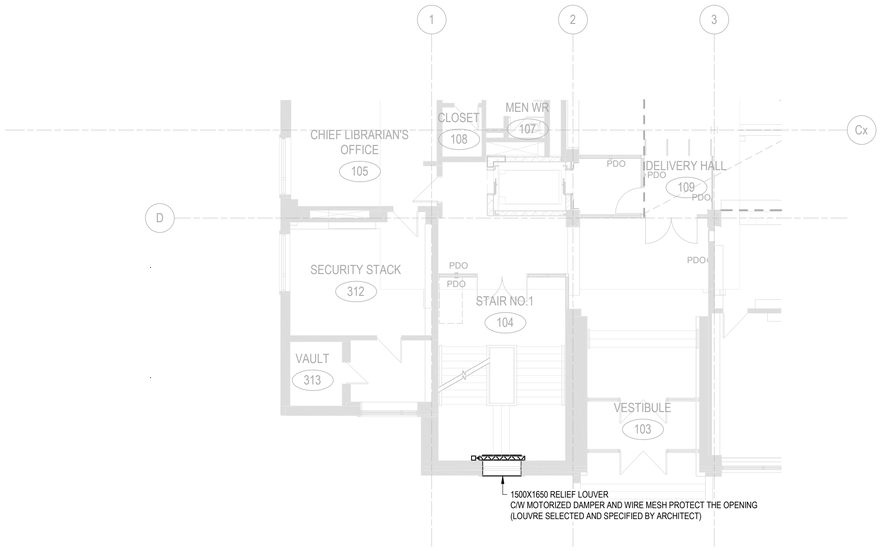
WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 409

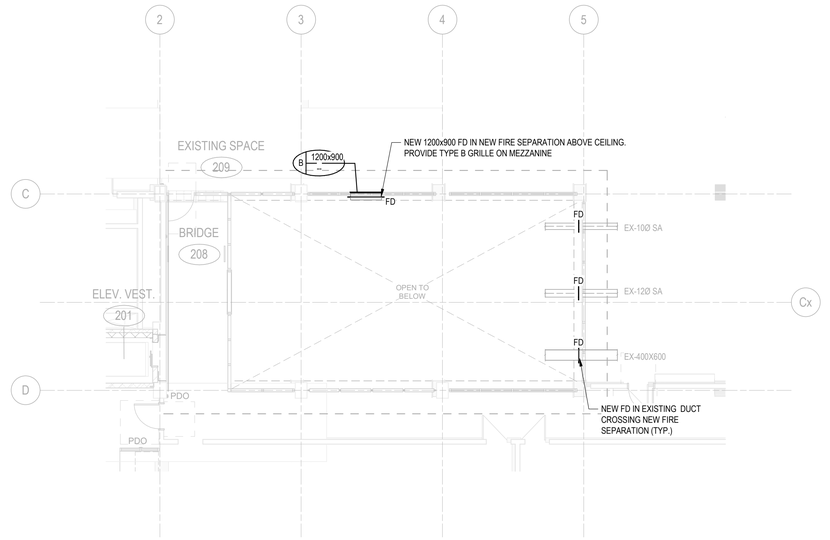
Canada

2026-03-23 3:18:21 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DNGT23-0003_PB_DND_ME_Kingston_Massey(Library_R24.rvt



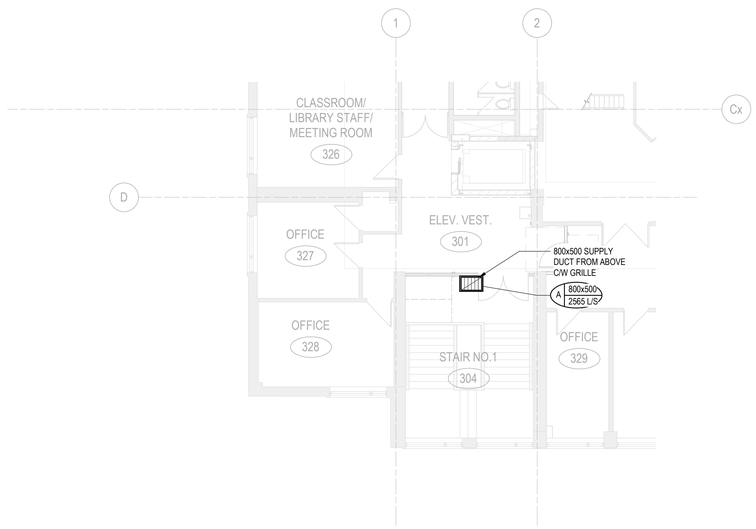
1 / 410 PART PLAN FIRST FLOOR HVAC

SCALE: 1 : 100



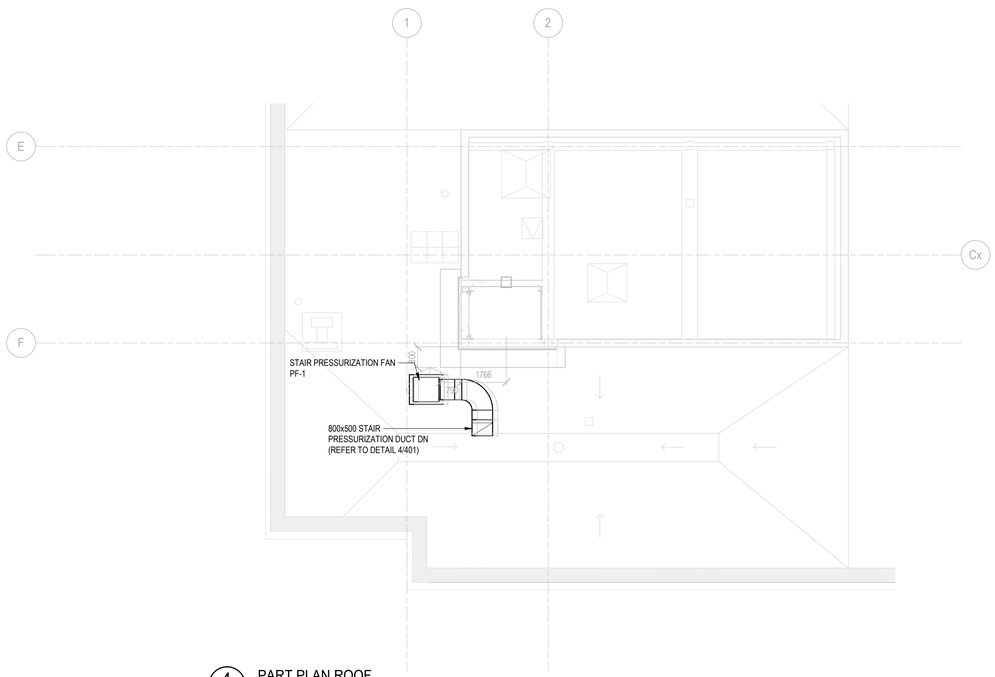
2 / 410 PART PLAN SECOND FLOOR HVAC

SCALE: 1 : 100



3 / 410 PART PLAN THIRD FLOOR HVAC

SCALE: 1 : 100



4 / 410 PART PLAN ROOF

SCALE: 1 : 100

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

BORDER LAST UPDATED 2010-08-20

LICENSED PROFESSIONAL ENGINEER
G.S. ALLAN
90505397
Mar. 23, 2026
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE
1:100

LOCATION | EMPLACEMENT
Kingston, Ontario

PROJECT | PROJET
Kingston Massey Building
Elevator Upgrades

TRADE | MÉTIER

DATE
10/09/20

SUBJECT | SUJET
PART PLAN - FIRST, SECOND, THIRD, AND ROOF - HVAC

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ G. Allan		DES O | AGENT CONC
DRAWN | DESSINÉ Author		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ Checker		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 410

Canada

2026.03.23 3:18:24 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND_ME_Kingston_Masseyl_Bonry_R24.rvt

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GENERAL		**TELEPHONE AND COMMUNICATIONS**
XX / XX-XX	DETAIL NUMBER / DETAIL SHEET	▽	DATA OUTLET
AFF	ABOVE FINISHED FLOOR	▼	VOICE OUTLET
WP	WEATHER PROOF	CS	TWO WAY COMMUNICATION SYSTEM ACCEPTABLE PRODUCTS: • GUARDIAN HDE 20 • TALKAPHONE ETP500C • VIKING E-1600A DEVICE SHALL BE: COLOUR CONTRASTED FROM SURROUNDING ENVIRONMENT, HAVE VISIBLE AND AUDIBLE SIGNAL TO BE DETECTABLE BY PEOPLE WITH HEARING OR VISUAL IMPAIRMENTS, HAVE VOLUME CONTROL. PROVIDE MANUFACTURER SIGNAGE ADJACENT TO TWO WAY COMMUNICATION SYSTEM INDICATING USAGE INSTRUCTIONS
E	EXISTING FIXTURE/EQUIPMENT TO REMAIN		
ER	EXISTING FIXTURE/EQUIPMENT IN RELOCATED POSITION		
R	EXISTING FIXTURE/EQUIPMENT TO DISCONNECTED, REMOVED		
TYP.	TYPICAL		
	POWER AND CONTROL	SS	AREA OF REFUGE DIRECTIONAL SIGNAGE ACCEPTABLE PRODUCTS: • TALKAPHONE AOR-SIGN-RF • VIKING ARS-DXB100 • CODE BLUE DIRECTIONAL SIGNAGE
▬	POWER AND/OR DISTRIBUTION SURFACE MOUNTED PANEL BOARD		
▬	POWER AND/OR DISTRIBUTION RECESSED PANEL BOARD		**FIRE ALARM**
⊠	STARTER	▰	FIRE ALARM PANELS/EQUIPMENT
□	DISCONNECT SWITCH	H	HEAT DETECTOR
◉	PUSHBUTTON STATION	S	SMOKE DETECTOR
J	JUNCTION BOX	B	FIRE ALARM BELL
△	DIRECT CONNECTION TO EQUIPMENT NOTED	◪	FIRE ALARM MANUAL PULL STATION
	SWITCHES & CONTROLS	$K	MAGLOCK KEY SWITCH
$	SINGLE POLE LIGHT SWITCH		
	RECEPTACLES (15A, 120V UNLESS NOTED OTHERWISE)		**SECURITY AND DOOR HARDWARE**
P1-30	DUPLEX RECEPTACLE (5-15R CSA CONFIGURATION) P1-30 DENOTES RECEPTACLE WIRED TO CIRCUIT No. 30 FROM PANEL P1	CR	CARD READER
	DUPLEX RECEPTACLE (5-15R CSA CONFIGURATION) MOUNTED ABOVE COUNTER	ES	ELECTRIC DOOR STRIKE
	DUPLEX RECEPTACLE (5-20R CSA CONFIGURATION)	DC	DOOR CONTACT
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE (GFCI) 15 AMP, 120V	KS	JAMB MOUNTED KEY SWITCH
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE (GFCI) 20 AMP, 120V	RX	REQUEST TO EXIT
	OUTLET CLUSTER	EM	ELECTROMAGNETIC DOOR LOCK
	ON-FLOOR SURFACE RACEWAY	PB	PUSH TO RELEASE BUTTON
	LIGHTING		
T1 A1-30	LUMINARIES - CEILING MOUNTED T1 DENOTES LUMINARIES TYPE A1-30 DENOTES LIGHTING PANELBOARD E1, CIRCUIT No. 30		
	LIGHTING FIXTURE ON NORMAL POWER CIRCUIT		
	LUMINARIES - WALL MOUNTED		
	EXIT SIGN - CEILING MOUNTED, SINGLE AND DOUBLE FACE SHADED SIDE(S) DENOTES LIGHTED FACE(S) C/W WITH DIRECTIONAL ARROWS AS INDICATED		
	EXIT SIGN - WALL MOUNTED		
	CEILING MOUNTED COMBINATION EXIT SIGN & EMERGENCY LIGHTS		
	WALL MOUNTED COMBINATION EXIT SIGN & EMERGENCY LIGHTS		
	EMERGENCY BATTERY UNIT WITH 2 INTEGRAL HEADS		
	EMERGENCY REMOTE BATTERY UNIT WITH 2 INTEGRAL HEADS		
SYMBOLS AND LEGEND AS APPLICABLE		SYMBOLS AND LEGEND AS APPLICABLE	

GENERAL NOTES - OVERALL

A ALL GENERAL NOTES ON THIS SHEET APPLY TO COMPLETE DRAWING PACKAGE.

B THESE DRAWINGS AND SPECIFICATIONS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND OTHER DIVISIONS DRAWINGS. ALL ELECTRICAL WORK SHALL COMPLY WITH DCC REPRESENTATIVES REQUIREMENTS AND BASE BUILDING STANDARDS.

C "AS REQUIRED, MAKE OPERATIONAL" – DENOTES ELECTRICAL INSTALLATION TO SUIT SITE CONDITIONS, TO CONFORM WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND STANDARDS AND INSTALLATION TO INCLUDE ALL NECESSARY MATERIAL, EQUIPMENT AND LABOUR (ALTHOUGH NOT SHOWN ON THE DRAWINGS) TO MAKE IT OPERATIONAL. NO ALLOWANCES WILL BE MADE SUBSEQUENTLY FOR ANY CONSIDERATIONS OVERLOOKED.

D UNLESS NOTED OTHERWISE ALL WIRING AND CONDUITS TO BE CONCEALED.

E ALL ELECTRICAL EQUIPMENT (LIGHTING FIXTURES, POWER EQUIPMENT AND CABLES) OR ANY OTHER CONTRIVANCE THAT GENERATES EITHER ELECTROMAGNETIC FIELD OR ELECTROMAGNETIC INTERFERENCE ARE TO BE KEPT AT LEAST 12" AWAY FROM THE COMMUNICATION CABLE TRAYS. INSTALL, ELECTRICAL EQUIPMENT AND CABLES TO CONFORM TO THE ABOVE EQUIREMENTS.

F PROVIDE MINIMUM OF 30 DAY NOTICE FOR SYSTEM INTERRUPTION. ALL POWER AND FIRE ALARM SYSTEM INTERRUPTIONS TO BE COMPLETED AFTER HOURS.

GENERAL NOTES - POWER

A UNLESS NOTED OTHERWISE ALL CIRCUIT NUMBERS SHOWN ARE FOR GROUPING PURPOSES ONLY. SHOW ACTUAL CIRCUIT NUMBERS ON AS-BUILT DRAWINGS.

B UNLESS NOTED OTHERWISE, ELECTRICAL EQUIPMENT IS EXISTING TO REMAIN. EXACT LOCATION OF EXISTING EQUIPMENT TO BE DETERMINED ON SITE.

GENERAL NOTES - LIGHTING

A UNLESS NOTED OTHERWISE ALL CIRCUIT NUMBERS SHOWN ARE FOR GROUPING PURPOSES ONLY. SHOW ACTUAL CIRCUIT NUMBERS ON AS-BUILT DRAWINGS.

GENERAL NOTES - COMMUNICATIONS

A COMMUNICATION AND SECURITY WIRING, DEVICES, AND EQUIPMENT BY DCC REPRESENTATIVE FORCES UNLESS OTHERWISE NOTED. CONTRACTOR TO PROVIDE REQUIRED ROUGH-IN FOR ALL SYSTEMS NOTED ON DRAWINGS. CONFIRM ALL REQUIRED CONDUIT TERMINATION POINTS WITH DCC REPRESENTATIVE AT PROJECT START PRIOR TO COMMENCING ANY ROUGH-IN WORK.

GENERAL NOTES - FIRE ALARM

A EXISTING FIRE ALARM MANUFACTURE IS NOTIFIER. INTEGRATE NEW FIRE ALARM DEVICES IN EXISTING FIRE ALARM SYSTEM. ENGAGE DCC REPRESENTATIVE'S EXISTING SYSTEM MANUFACTURER'S AUTHORIZED REPRESENTATIVE TO PERFORM REQUIRED TESTING AND VERIFICATION. DURING THE WORK ON EXISTING FIRE ALARM SYSTEM THE TIME AND DURATION OF INTERRUPTION SHALL BE APPROVED BY DCC REPRESENTATIVE IN ADVANCE. IF RENOVATION WORK REQUIRES SHUTDOWN OF ANY PART OF FIRE ALARM SYSTEM, PROVIDE MANUAL FIRE ALARM PROTECTION BY MEANS OF SUPERVISING THE AREA AS APPROVED BY GOVERNING AUTHORITIES.

B PROVIDE FIRE ALARM INPUT SIGNALS TO ELEVATOR CONTROLLER FOR AUTOMATIC RECALL AS PER AUTOMATIC FIRE RECALL OPERATION MATRIX ON SHEET 509. ONLY FIRE ALARM INTIATING DEVICES INSIDE THE MACHINE ROOM, HOISTWAY, AND WITHIN APPROXIMATELY 7m OF THE RESPECTIVE ELEVATOR ENTRANCE AT LOBBIES WILL BE USED TO SEND A SIGNAL TO THE CONTROLLER TO INITIATE RECALL. MANUAL PULL STATIONS ARE NOT PERMITTED TO SEND A SIGNAL TO INITIATE ELEVATOR RECALL. COORDINATE ALL SIGNAL REQUIREMENTS WITH ELEVATOR CONTRACTOR INCLUDING MAIN RECALL LEVEL AND ALTERNATE RECALL LEVEL.

C PROVIDE NEW ZONES ON FIRE ALARM ANNUNCIATOR INDICATING 1) ELEVATOR SHAFT ZONE AND 2) STAIR PRESSURIZATION ZONE.

D COORDINATE WORKS WITH ELEVATOR CONTRACTOR. PROGRAMMING, TESTING AND VERIFICATION OF FIRE ALARM SYSTEM INCLUDED IN SCOPE OF WORK.

E ENGAGE EXISTING FIRE ALARM SYSTEM VENDOR AS APPROVED BY DCC REPRESENTATIVE TO PROVIDE SYSTEM WORK. NEW WORK TO BE EXTENSION OF EXISTING SYSTEM. PROVIDE ADDITIONAL DEVICES WHERE SHOWN, CONDUCTORS IN CONDUIT AND END OF LINE RESISTORS. PROVIDE ULC LISTED DEVICES COMPATIBLE WITH EXISTING SYSTEM. PERFORM WORK IN ACCORDANCE WITH LATEST EDITION OF CAN/ULC S524.

E WHEN FIRE ALARM SYSTEM WORK IS COMPLETE AND READY FOR ACCEPTANCE, PROVIDE AND ARRANGE INDEPENDENT TESTING VERIFICATION IN ACCORDANCE WITH CAN/ULC S537, ALONG WITH SYSTEM MANUFACTURER TO INSPECT, TEST, VERIFY, AND CERTIFY WORK AND EQUIPMENT, INCLUDING INTIATING DEVIES, CONTROL DEVICES, AND WIRING.

F CONTRACTOR TO SUBMIT AN INTEGRATED TESTING PLAN TO THE REQUIREMENTS OF CAN/ULC S1001. INTEGRATED TESTS WITH THE FIRE ALARM TO INCLUDE TESTING OF ELEVATOR FIRE ALARM RECALL SYSTEM, STAIR PRESSURIZATION SYSTEM, AND DOOR MAGNETIC LOCKS. SUBMIT TESTING PLAN C/W SCHEDULE A MINIMUM OF 4 WEEKS PRIOR TO COMMENCING TESTING. SUBMIT COMPLETED TESTING FORMS AND DOCUMENTATION WITH OPERATIONS AND MAINTENANCE MANUALS.

GENERAL NOTES - DEMOLITION

A REFER TO THE ARCHITECTURAL DRAWINGS FOR AREAS TO BE DEMOLISHED.

B IN AREAS TO BE DEMOLISHED DISCONNECT AND REMOVE ALL EXISTING DEVICES, OUTLET AND JUNCTION BOXES, FLOOR MONUMENTS, LIGHTING, POWER, COMMUNICATION, LIFE SAFETY, SECURITY, PUBLIC ADDRESS, BACKGROUND MUSIC, ETC. EQUIPMENT WITH CONDUITS AND WIRING, 'BX' AND/OR 'CORFLEX' CABLES IN:
- PARTITIONS TO BE DEMOLISHED,
- CEILING AND RAISED FLOOR SPACES,
- RENOVATION AREAS OF THE BUILDING WHEN NOT NOTED AS TO REMAIN OR TO BE REUSED,

CONDUITS, WIRING AND CABLES TO BE CUT BACK FROM RENOVATION AREAS MOUNTED DEVICE, OUTLET BOX AND/OR EQUIPMENT TO THE SOURCE (PLYWOOD BACKBOARD, MAIN COMPUTER, CONTROL PANEL, AMPLIFIER, PANELBOARD, SPLITTER, DISCONNECT SWITCH, ETC.) AND TO DCC REPRESENTATIVE APPROVAL.

C DISCONNECT MECHANICAL EQUIPMENT TO BE REMOVED, DISCONNECT AND REMOVE DISCONNECTING MEANS, STARTING EQUIPMENT, CONDUITS AND WIRING UP TO THE SOURCE.

D UNLESS NOTED AS REMAINING THE PROPERTY OF DCC REPRESENTATIVE, REMOVE FROM SITE ALL DEMOLISHED MATERIALS.

E ENSURE EXISTING SERVICES REMAIN UNDISTURBED AND ENERGIZED IN AREAS NOT AFFECTED BY THE WORK STAGE EXCEPT WHERE INDICATED OTHERWISE. OBTAIN DCC REPRESENTATIVE'S WRITTEN APPROVAL BEFORE INTERRUPTING ANY SERVICE. PROVIDE TEMPORARY SERVICES TO MAINTAIN CONTINUITY IN THE EVENT THAT SERVICES MUST BE INTERRUPTED.

G REPAIR OR REPLACE EXISTING EQUIPMENT WHICH IS DAMAGED IN PROCESS OF RELOCATION. EQUIPMENT TO BE REUSED OR RELOCATED TO BE TESTED FOR PROPER OPERATION AND REPAIR AS NECESSARY.

H DEMOLISH EXISTING WORK, WHERE INDICATED AND REMOVE FROM SITE. EXECUTE ALL DEMOLITION WORK SO AS TO CREATE MINIMUM VIBRATION OR DUST WITHIN AND OUTSIDE THE BUILDING. OBTAIN DCC REPRESENTATIVE'S APPROVAL OF METHODS BEFORE PROCEEDING.

I REMOVE FROM SITE MATERIALS IN DEMOLITION AREAS THAT ARE NOT TO REMAIN OR BE REUSED, UNLESS NOTED AS REMAINING PROPERTY OF DCC REPRESENTATIVE. DISPOSE OF HAZARDOUS MATERIALS AS REQUIRED BY LATEST HEALTH AND SAFETY STANDARDS, AND DESCRIBED IN THE SPECIFICATIONS.

J WHERE PENETRATING EXISTING OR NEW FIRE RATED WALLS OR FLOORS, ENSURE THAT FIRE RATING INTEGRITY IS MAINTAINED.

K DISCONNECT AND REMOVE ABANDONED WIRING MATERIALS AND DEVICES. MAKE SAFE ALL CIRCUIT WIRING LEFT FOR FUTURE USE.

DRAWING LIST - ELECTRICAL

Sheet	Name
501	DRAWING LIST & LEGENDS
502	ELECTRICAL DETAILS
503	ELECTRICAL DETAILS
504	GROUND FLOOR ELECTRICAL RENOVATION PLAN
505	FIRST FLOOR ELECTRICAL RENOVATION PLAN
506	SECOND FLOOR ELECTRICAL RENOVATION PLAN
507	THIRD FLOOR ELECTRICAL RENOVATION PLAN
508	ELECTRICAL AND PANEL SCHEDULES
509	ELECTRICAL SCHEDULES
510	GROUND FLOOR ELECTRICAL DEMOLITION PLAN
511	FIRST FLOOR ELECTRICAL DEMOLITION PLAN
512	SECOND FLOOR ELECTRICAL DEMOLITION PLAN
513	THIRD FLOOR ELECTRICAL DEMOLITION PLAN

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER	DATE
ELECTRICAL	2025-05-09

SUBJECT | SUJET
DRAWING LIST & LEGENDS

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

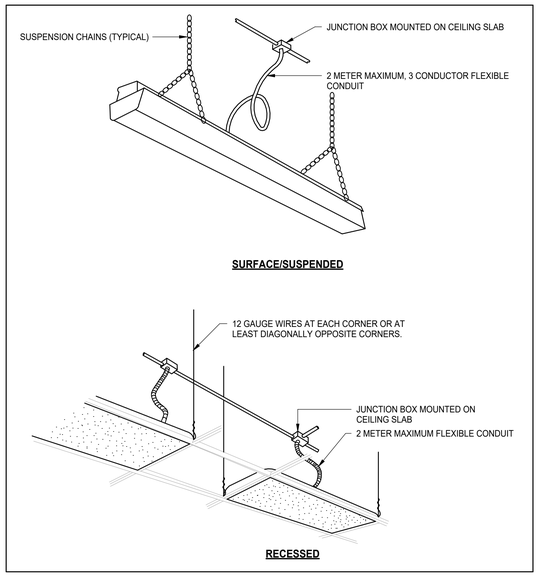
WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 501

Canada

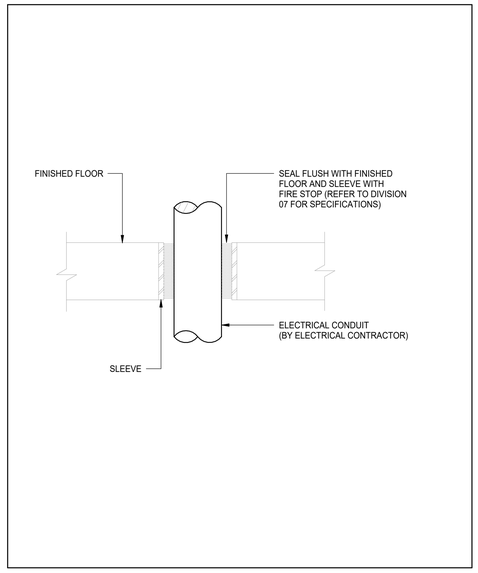
BORDER LAST UPDATED 2010-08-20

2026-03-23 2:54:41 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/CNC0723-0003_Pb_DND_EL_Kingston_MasseyLibrary_R24.rvt



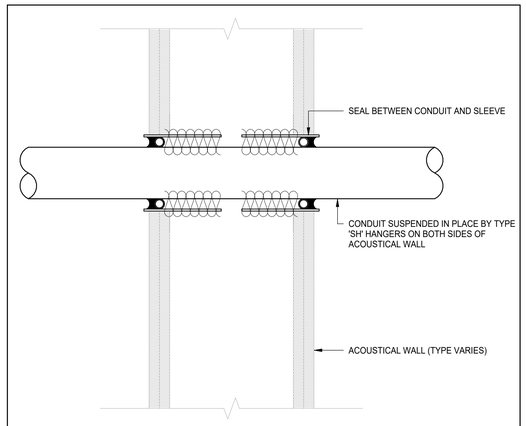
4/502 TYPICAL MOUNTING OF SURFACE AND RECESSED LUMINAIRES

SCALE: N.T.S.



3/502 THRU-FLOOR CONDUIT PENETRATIONS

SCALE: N.T.S.

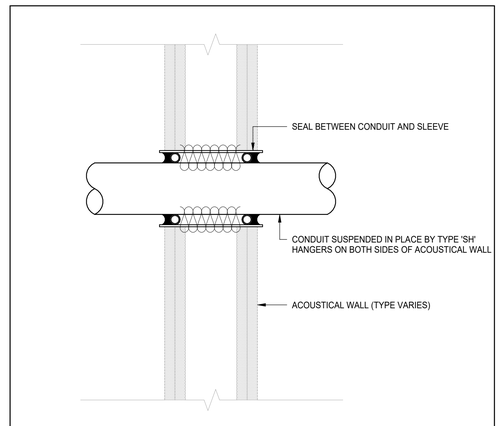


DETAIL NOTES:

1. SLIP SECTION OF CONDUIT SHALL ALLOW A MINIMUM MOVEMENT OF 50mm IN ALL DIRECTIONS.
2. SEAL BETWEEN CONDUIT AND SLEEVE SHALL HAVE A 12mm GLASS FIBRE MINIMUM AND 12mm GAP SEAL IN PLACE WITH FLEXIBLE POLYETHYLENE FOAM BACKER ROD AND NON-HARDENING ACOUSTICAL CAULK. CONDUIT MUST NOT TOUCH SLEEVE AT ANY POINT;

2/502 CONDUIT - DOUBLE STUD WALL ASSEMBLY PENETRATION, TYPICAL DETAIL

SCALE: N.T.S.

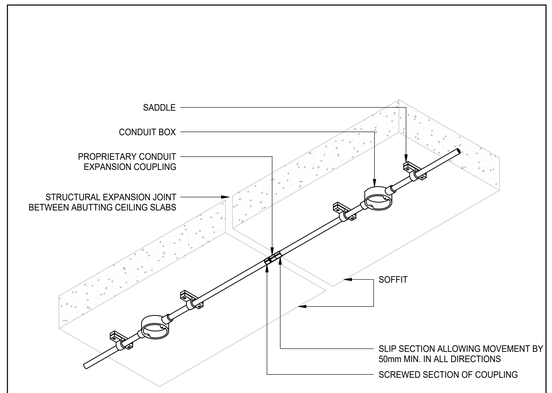


DETAIL NOTES:

1. SLIP SECTION OF CONDUIT SHALL ALLOW A MINIMUM MOVEMENT OF 50mm IN ALL DIRECTIONS.
2. SEAL BETWEEN CONDUIT AND SLEEVE SHALL HAVE A 12mm GLASS FIBRE MINIMUM AND 12mm GAP SEAL IN PLACE WITH FLEXIBLE POLYETHYLENE FOAM BACKER ROD AND NON-HARDENING ACOUSTICAL CAULK. CONDUIT MUST NOT TOUCH SLEEVE AT ANY POINT;

1/502 CONDUIT - BLOCKWALL ASSEMBLY PENETRATION, TYPICAL DETAIL

SCALE: N.T.S.



5/502 EXPANSION JOINT CONDUIT DETAIL

SCALE: N.T.S.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER: ELECTRICAL
DATE: 2025-05-09

SUBJECT | SUJET
ELECTRICAL DETAILS

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ: M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

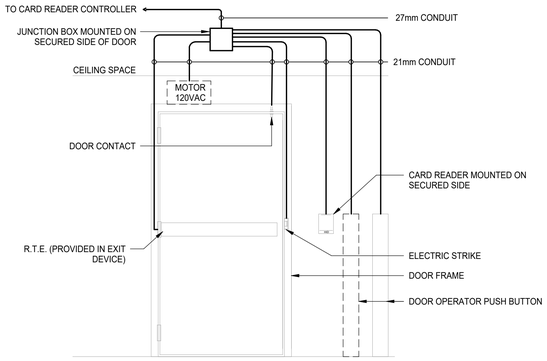
WBS NUMBER | NO. SRT: WBS # (Project Info)
PF NUMBER | NO. DP: 500621770 & 110593

DWG. NO. | NO. DESSIN: K-K74-7701/35 - 502

Canada

BORDER LAST UPDATED 2010-08-20

Autodesk Docs://DND Massey Hall Elevator Upgrade/DND23-0003_PB_DND_EL_Kingston_MasseyLibrary_R24.rvt
2026-03-23 2:54:42 PM



TYPICAL OF DOOR D005C

DETAIL NOTES:

1. SECURITY SCOPE WILL BE COMPLETED UNDER A SEPERATE CONTRACT BY OUTSIDE CONTRACTOR.
2. CONFIRM EXACT LOCATION AND ROUGH-IN REQUIREMENTS OF DEVICES PRIOR TO ROUGH-IN
3. ALL CONDUITS SHALL BE 21 mm UNLESS OTHERWISE NOTED.
4. BOTH ENDS OF CONDUIT SHALL BE CLEARLY LABELED.

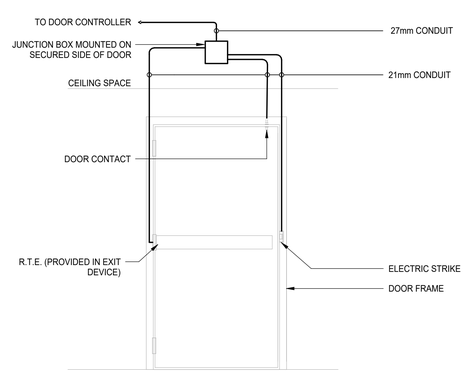
SCOPE OF WORK:

BY ELECTRICAL CONTRACTOR ——

BY GENERAL CONTRACTOR

3/503 DOOR OPERATOR AND CARD READER - SINGLE DOOR, TYPICAL DOOR DETAIL

SCALE: N.T.S.



TYPICAL OF DOORS D005A AND D005B

DETAIL NOTES:

1. SECURITY SCOPE WILL BE COMPLETED UNDER A SEPERATE CONTRACT BY OUTSIDE CONTRACTOR.
2. CONFIRM EXACT LOCATION AND ROUGH-IN REQUIREMENTS OF DEVICES PRIOR TO ROUGH-IN
3. ALL CONDUITS SHALL BE 21 mm UNLESS OTHERWISE NOTED.
4. BOTH ENDS OF CONDUIT SHALL BE CLEARLY LABELED.
5. PROVIDE 120V POWER TO POWER SUPPLY.

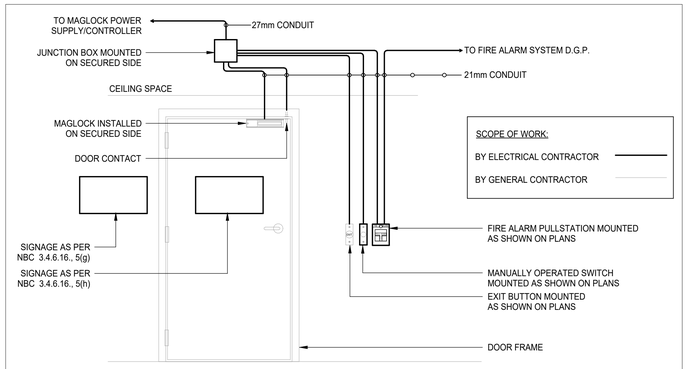
SCOPE OF WORK:

BY ELECTRICAL CONTRACTOR ——

BY GENERAL CONTRACTOR

2/503 DOOR CONTACT - SINGLE DOOR, TYPICAL DOOR DETAIL

SCALE: N.T.S.



SCOPE OF WORK:

BY ELECTRICAL CONTRACTOR ——

BY GENERAL CONTRACTOR

DETAIL NOTES:

1. MAGLOCK OPERATION, DEVICES, AND MOUNTING HEIGHTS TO MEET ALL REQUIREMENTS OF NBC 3.4.6.16.
2. SECURITY SCOPE WILL BE COMPLETED UNDER A SEPERATE CONTRACT BY OUTSIDE CONTRACTOR. CONTRACTOR TO CONFIRM SCOPE OF SUPPLY AND INSTALL OF ALL REQUIRED DEVICES WITH GENERAL CONTRACTOR PRIOR TO TENDER CLOSE.
3. ALL CONDUITS SHALL BE 21mm UNLESS OTHERWISE NOTED.
4. BOTH ENDS OF CONDUIT SHALL BE CLEARLY LABELED.
5. ALL MAGLOCKS SHALL BE TIED IN TO FIRE ALARM SYSTEM.
6. ALL NEW MAGLOCKS SHALL RELEASE UPON ACTIVATION OF EXISTING MANUALLY OPERATED SWITCH CONTROLLING ALL LOCKING DEVICES IN THE BUILDING. CONFIRM LOCATION OF EXISTING SWITCH WITH FIRE ALARM CONTRACTOR. PROVIDE ALL REQUIRED CONTROL WIRING BACK TO EXISTING SWITCH.
7. FIRE ALARM PULLSTATIONS AT MAGLOCKED DOOR SHALL HAVE DOUBLE ENDED CONTACTS TO ENSURE MAGLOCK RELEASE. ONE CONTACT SHALL CONNECT TO BASE BUILDING FIRE ALARM SYSTEM AND ONE CONNECTS TO SECURITY MAGLOCK SYSTEM.
8. CONTRACTOR TO PROVIDE EQUIPMENT AND WIRING TO SUIT MANUFACTURER SPECIFIC REQUIREMENTS.

1/503 ELECTROMAGNETIC LOCK - SINGLE DOOR, TYPICAL DOOR DETAIL

SCALE: N.T.S.

TYPICAL OF DOOR D109

DETAIL NOTES:

1. SECURITY SCOPE WILL BE COMPLETED UNDER A SEPERATE CONTRACT BY OUTSIDE CONTRACTOR.
2. CONFIRM EXACT LOCATION AND ROUGH-IN REQUIREMENTS OF DEVICES PRIOR TO ROUGH-IN
3. ALL CONDUITS SHALL BE 21 mm UNLESS OTHERWISE NOTED.
4. BOTH ENDS OF CONDUIT SHALL BE CLEARLY LABELED.

SCOPE OF WORK:

BY ELECTRICAL CONTRACTOR ——

BY GENERAL CONTRACTOR

5/503 DOOR OPERATOR - DOUBLE DOOR, TYPICAL DOOR DETAIL

SCALE: N.T.S.

TYPICAL OF DOORS D003, D004C, D006, D101, D201, D208, D301B

DETAIL NOTES:

1. SECURITY SCOPE WILL BE COMPLETED UNDER A SEPERATE CONTRACT BY OUTSIDE CONTRACTOR.
2. CONFIRM EXACT LOCATION AND ROUGH-IN REQUIREMENTS OF DEVICES PRIOR TO ROUGH-IN
3. ALL CONDUITS SHALL BE 21 mm UNLESS OTHERWISE NOTED.
4. BOTH ENDS OF CONDUIT SHALL BE CLEARLY LABELED.

SCOPE OF WORK:

BY ELECTRICAL CONTRACTOR ——

BY GENERAL CONTRACTOR

4/503 DOOR OPERATOR - SINGLE DOOR, TYPICAL DOOR DETAIL

SCALE: N.T.S.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER: ELECTRICAL
DATE: 2025-05-09

SUBJECT | SUJET
ELECTRICAL DETAILS

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ: M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

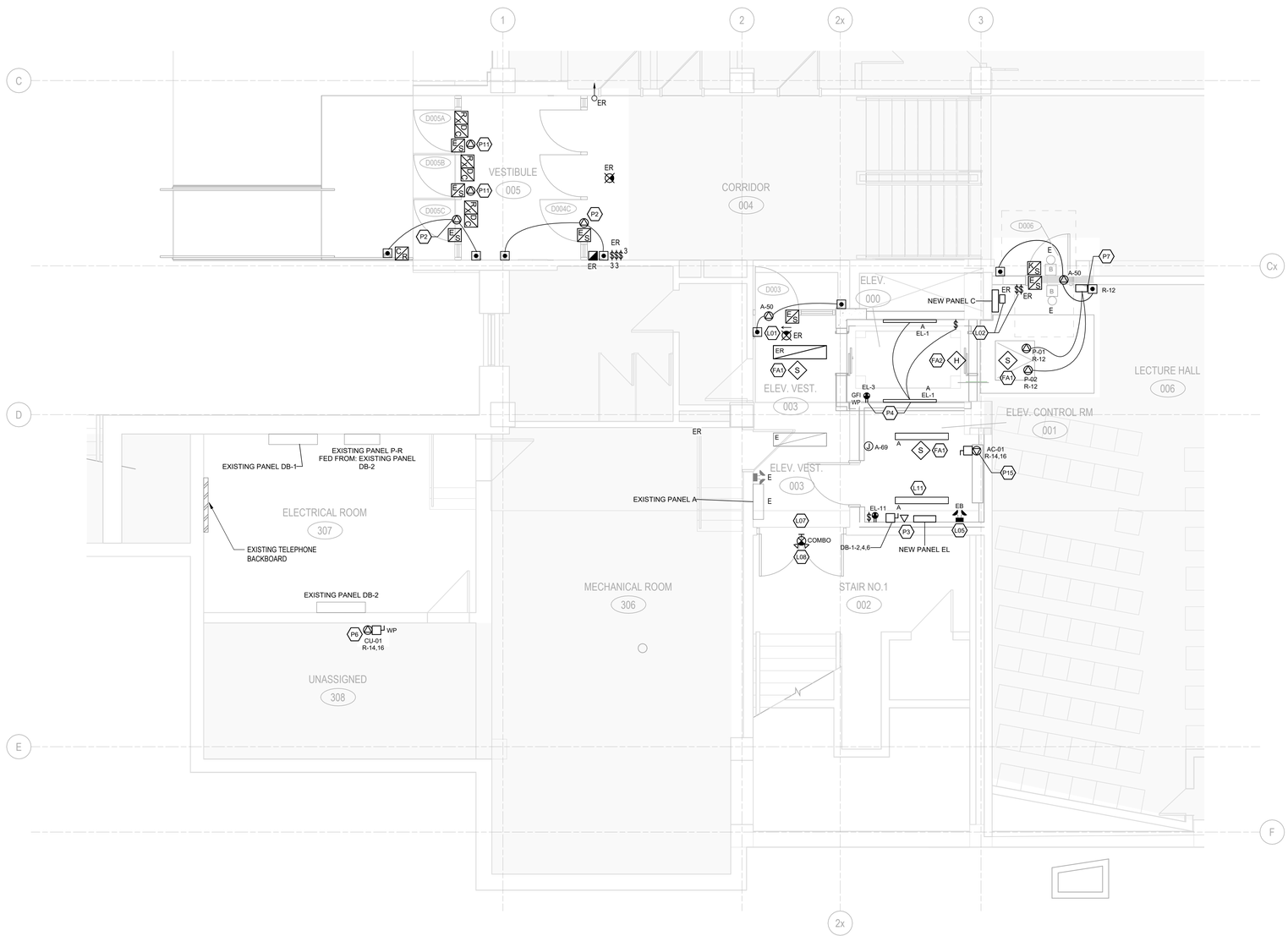
WBS NUMBER | NO. SRT: WBS # (Project Info)
PF NUMBER | NO. DP: 500621770 & 110593

DWG. NO. | NO. DESSIN: K-K74-7701/35 - 503

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 2:54:43 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DNDT23-0003_PS_DND_EL_Kingston_MasseyLibrary_R24.rvt



1
504
GROUND FLOOR ELECTRICAL RENOVATION PLAN
SCALE: 1 : 50

DRAWING KEYNOTES

- FA1 SUPPLY AND INSTALL NEW SMOKE DETECTOR COMPLETE WITH AUXILIARY CONTACTS FOR ELEVATOR RECALL.
- FA2 PROVIDE FIRE ALARM HEAT DETECTOR IN BOTTOM OF ELEVATOR SHAFT MOUNTED ALONG WALL. CONFIRM EXACT LOCATION WITH ELEVATOR SUPPLIER PRIOR TO ROUGH-IN.
- L01 EXISTING EMERGENCY EXIT SIGN TO BE RELOCATED AS SHOWN.
- L02 RELOCATE EXISTING LECTURE HALL LIGHTING CONTROLS TO ACCOMMODATE NEW ELEVATOR DOOR OPENING.
- L05 SUPPLY AND INSTALL NEW EMERGENCY BATTERY UNIT AS SHOWN. FEED FROM LINE SIDE OF EXISTING LOCAL LIGHTING CIRCUIT. LOAD TEST AND REPORT FINDINGS TO DCC REPRESENTATIVE.
- L07 PROVIDE NEW EXIT SIGN AS NOTED. EXIT SIGN TO BE FED FROM EXISTING DEDICATED LOCAL EXIT SIGN CIRCUIT SERVING ASSOCIATED FLOOR.
- L08 PROVIDE NEW COMBINATION EXIT SIGN. EXIT SIGN TO BE FED FROM EXISTING STAIR LOCAL LIGHTING CIRCUIT AS PER CEC 46-304 (4).
- L11 ELEVATOR MACHINE ROOM LIGHTING TO BE REFED FROM EXSITING RECOVERED LIGHTING CIRCUIT.
- P2 SUPPLY AND INSTALL NEW ROUGH-IN AND POWER FOR NEW DOOR OPERATOR DEVICES. REFER TO DOOR OPERATOR DETAIL FOR MORE INFORMATION. CONTRACTOR TO REMOVE EXISTING DOOR OPERATOR ROUGH-IN AND POWER AS REQUIRED TO ACCOMMODATE NEW INSTALLATION. RE-USE EXISTING POWER CIRCUIT.
- P3 PROVIDE ONE 60A-3P 600V ELEVATOR FUSED DISCONNECT C/W AUXILIARY (FOURTH POLE) CONTACTS AND 60A FUSES FOR ELEVATOR CONTROLLER. DISCONNECT AUXILIARY CONTACTS MUST BE RATED FOR USAGE WITH ELEVATORS AND MEET REQUIREMENTS OF OESC 38-091(5) AND NOT BE SOLELY DEPENDENT ON SPRINGS. PROVIDE NEW PANEL FOR TO SERVE ELEVATOR LIGHTING, ELEVATOR AUXILIARY POWER, AND ELEVATOR COMMUNICATION SYSTEM. PROVIDE 21mmC TO EXISTING TELEPHONE BACKBOARD. COORDINATE WITH ELEVATOR SUPPLIER PRIOR TO ROUGH-IN AND MAKE ALL REQUIRED CONNECTIONS. PROVIDE SUFFICIENT CONDUIT/WIRING FROM EACH DISCONNECT TO ALLOW FOR TERMINATION INTO ASSOCIATED ELEVATOR EQUIPMENT (ELEVATOR TRANSFORMER AND ELEVATOR CONTROLLER). PROVIDE SIGNAL WIRING AND MAKE CONNECTION FROM FIRE ALARM TO ELEVATOR CONTROLLER FOR RECALL OPERATION.
- P4 PROVIDE ELEVATOR SHAFT LIGHTING C/W CONTROL AND TYPE A GFCI WP RECEPTACLE AT TOP AND BOTTOM OF SHAFT. RECEPTACLE MUST BE GFI PROTECTED DEVICE WITH RESET MEANS ON RECEPTACLE, REMOTE PROTECTION IS NOT ACCEPTABLE. LIGHTING FIXTURES AT PIT LEVEL TO BE MOUNTED VERTICALLY STARTING FROM 600mm AFF. CONFIRM EXACT LOCATION OF LIGHTING AND DEVICES WITH ELEVATOR SUPPLIER PRIOR TO ROUGH-IN. LIGHTING AT TOP AND BOTTOM OF SHAFT TO BE CONTROLLED INDEPENDENTLY.
- P6 PROVIDE POWER TO CONDENSING UNIT AS NOTED. CONDENSING UNIT LOCATED ON EXTERIOR GRADE ABOVE NOTED LOCATION. COORDINATE EXACT LOCATION WITH MECHANICAL TRADE PRIOR TO ROUGH-IN.
- P7 INDICATES SUMP PUMP CONTROL PANEL. CONFIRM EXACT LOCATION WITH MECHANICAL TRADE AND DCC REPRESENTATIVE PRIOR TO ROUGH-IN. FEEDS FROM CONTROL PANEL TO RUN TO PUMPS LOCATED WITHIN NEW SUMP PIT. COORDINATE REQUIRED TRENCHING THROUGH CONCRETE WITH GENERAL CONTRACTOR.
- P11 PROVIDE POWER TO NEW DOOR CONTROLLERS. FEED FROM EXISTING DOOR OPERATOR POWER CIRCUIT. CONFIRM EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
- P15 NEW SPLIT AC UNIT POWER TO BE FED FROM NEW CONDENSING UNIT CU-01.

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

BORDER LAST UPDATED 2010-08-20

TRUE NORTH

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER	DATE
ELECTRICAL	2025-05-09

SUBJECT | SUJET
GROUND FLOOR ELECTRICAL RENOVATION PLAN

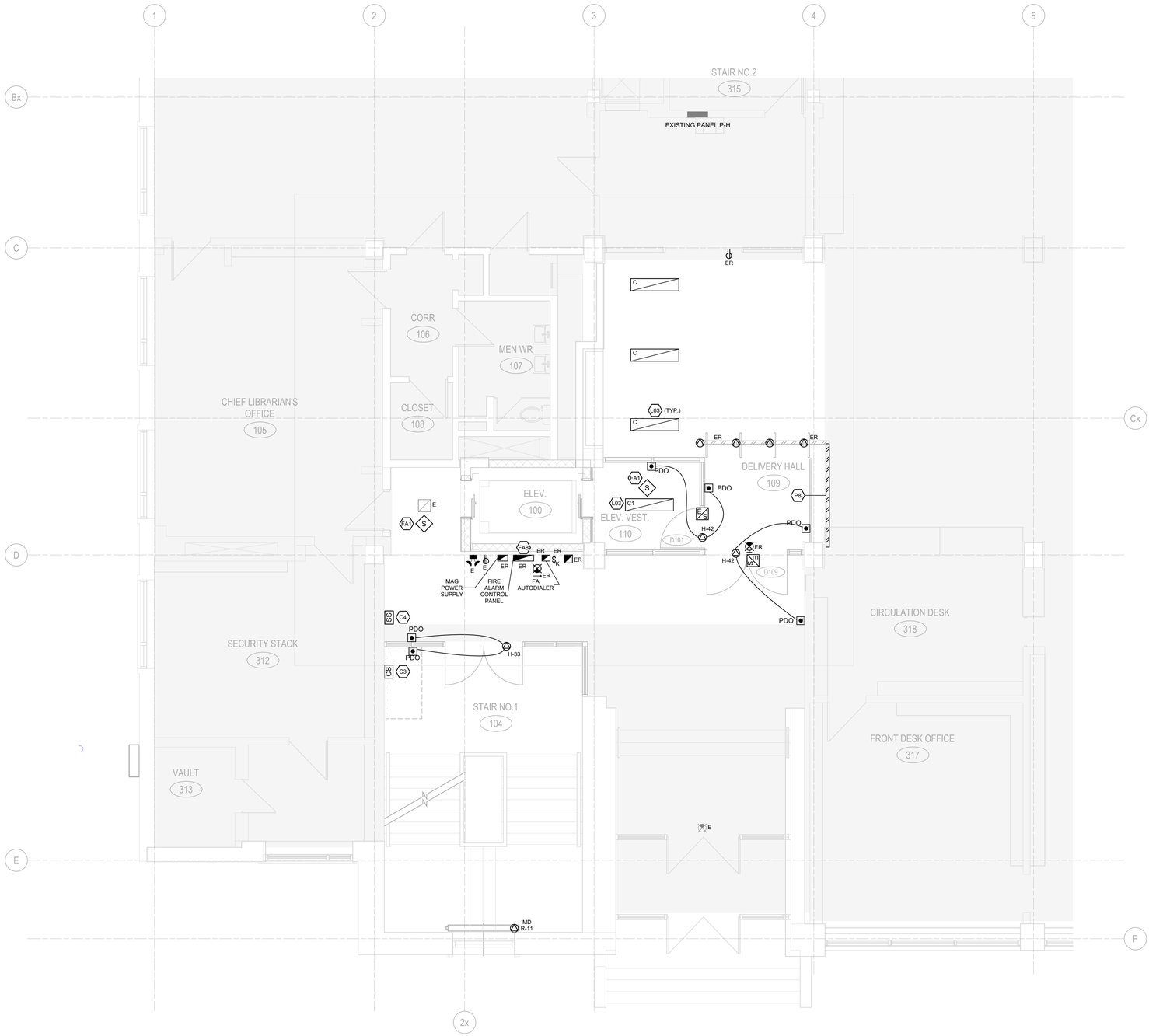
PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 504

Canada

2026-03-23 2:54:46 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DNDT23-00013_PB_DND_EL_Kingston_Masseyl_Library_R24.rvt



1 / 505 FIRST FLOOR ELECTRICAL RENOVATION PLAN

SCALE: 1 : 50

DRAWING KEYNOTES

C3 PROVIDE NEW TWO-WAY COMMUNICATION SYSTEM SURFACE MOUNTED CALL STATION AT NOTED LOCATION C/W "AREA OF REFUGE / ZONE DE REFUGE" SIGNAGE ABOVE CALL STATION. INSTALL AT NO MORE THAN 1200mm AFF. PROVIDE 21mmC FROM CALL STATION TO ELECTRICAL ROOM TELEPHONE BACKBOARD. CONFIRM EXACT TERMINATION POINT OF CONDUIT WITH DCC REPRESENTATIVE PRIOR TO ROUGH-IN.

C4 PROVIDE NEW "AREA OF REFUGE / ZONE DE REFUGE" SIGN WITH DIRECTIONAL ARROW ALONG WALL AS NOTED.

FA1 SUPPLY AND INSTALL NEW SMOKE DETECTOR COMPLETE WITH AUXILIARY CONTACTS FOR ELEVATOR RECALL.

FA8 FIRE ALARM CONTROL PANEL TO BE RE-PROGRAMMED AND REQUIRED FIRE ALARM SIGNALS TO BE PROVIDED FOR ELEVATOR RECALL FEATURES AS PER OBC, CSA B44, AND TSA REQUIREMENTS. COORDINATE PROGRAMMING AND VERIFICATION OF FIRE RECALL OPERATION WITH ELEVATOR CONTRACTOR IN ADVANCE OF SCHEDULING TSSA INSPECTION. BE AVAILABLE TO DEMONSTRATE SYSTEM INTEGRATION DURING TSSA INSPECTION OF ELEVATOR. BE AVAILABLE TO DEMONSTRATE SYSTEM INTEGRATION FOR S1001 TESTING.

L03 PROVIDE NEW LIGHTING FIXTURES AS NOTED BELOW NEW BRIDGE. FIXTURES TO BE WIRED TO EXISTING LIGHTING CONTROLS AND CIRCUIT SERVING LECTURE HALL. LOAD TEST AND REPORT FINDINGS TO DCC REPRESENTATIVE.

P8 INDICATES NEW ON-FLOOR SURFACE MOUNTED RACEWAY TO MATCH EXISTING RACEWAY SERVING SECURITY PEDESTALS WIRING. SURFACE RACEWAY TO BE EXTENDED TO CIRCULATION DESK RECEPTACLE AS REQUIRED. RACEWAY TO BE SINGLE CHANNEL STEEL AND TO MATCH EXISTING.

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

TRUE NORTH

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER	DATE
ELECTRICAL	2025-05-09

SUBJECT | SUJET
FIRST FLOOR ELECTRICAL RENOVATION PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ: M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

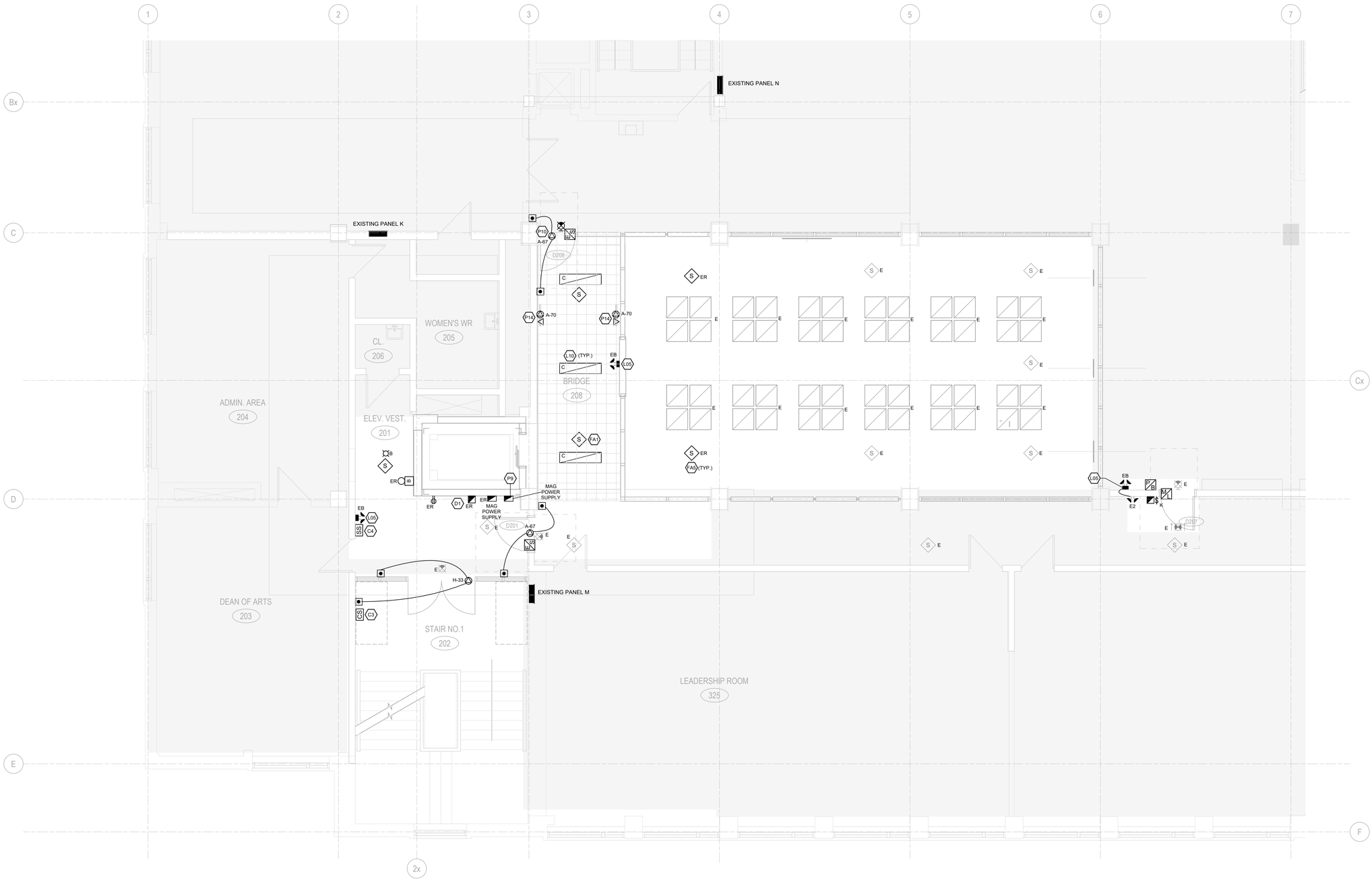
WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621770 & 110593

DWG. NO. | NO. DESSIN: K-K74-7701/35 - 505

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 2:54:48 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND-T23-6003_PB_DND_EL_Kingston_Massey_Library_R24.rvt



1 / 506 SECOND FLOOR ELECTRICAL RENOVATION PLAN

SCALE: 1 : 50

DRAWING KEYNOTES

- C3 PROVIDE NEW TWO-WAY COMMUNICATION SYSTEM SURFACE MOUNTED CALL STATION AT NOTED LOCATION C/W "AREA OF REFUGE / ZONE DE REFUGE" SIGNAGE ABOVE CALL STATION. INSTALL AT NO MORE THAN 1200mm AFF. PROVIDE 21mmC FROM CALL STATION TO ELECTRICAL ROOM TELEPHONE BACKBOARD. CONFIRM EXACT TERMINATION POINT OF CONDUIT WITH DCC REPRESENTATIVE PRIOR TO ROUGH-IN.
- C4 PROVIDE NEW "AREA OF REFUGE / ZONE DE REFUGE" SIGN WITH DIRECTIONAL ARROW ALONG WALL AS NOTED.
- D1 EXISTING DEVICES SHOWN ALONG THIS WALL TO BE PROTECTED AND SHALL REMAIN OPERATIONAL. COORDINATE WITH GENERAL CONTRACTOR NEW ELEVATOR SHAFT CONSTRUCTION PRIOR TO TENDER CLOSE AND INCLUDE FOR ANY REQUIRED TEMPORARY RELOCATION. CONFIRM TEMPORARY LOCATION DURING BIDDERS WALKTHROUGH WITH DCC REPRESENTATIVE PRIOR TO TENDER CLOSE.
- FA1 SUPPLY AND INSTALL NEW SMOKE DETECTOR COMPLETE WITH AUXILIARY CONTACTS FOR ELEVATOR RECALL.
- FA5 EXISTING SMOKE DETECTORS SERVING FIRST FLOOR LIBRARY TO BE RE-ZONED AND GROUPED AS PART OF FIRST FLOOR FIRE ALARM ZONE.
- L05 SUPPLY AND INSTALL NEW EMERGENCY BATTERY UNIT AS SHOWN. FEED FROM LINE SIDE OF EXISTING LOCAL LIGHTING CIRCUIT. LOAD TEST AND REPORT FINDINGS TO DCC REPRESENTATIVE.
- L10 NEW LIGHTING FIXTURES TO BE FED FROM EXISTING CORRIDOR 207 LOCAL LIGHTING CIRCUIT AND CONTROLLED FROM EXISTING CONTROLS SERVING SPACE. LOAD TEST AND REPORT FINDINGS TO DCC REPRESENTATIVE.
- P9 PROVIDE POWER TO NEW MAGLOCK POWER SUPPLY AS NOTED. MAGLOCK POWER SUPPLY MAY BE FED FROM EXISTING POWER CIRCUIT PROVIDED SUFFICIENT CAPACITY IS AVAILABLE ON EXISTING POWER CIRCUIT. CONTRACTOR TO INVESTIGATE.
- P10 NOTED DOOR OPERATOR POWER MAY BE FED FROM EXISTING PANELS LOCATED ON SAME FLOOR PROVIDED SPARE BREAKER CAPACITY AVAILABLE. CONTRACTOR TO INVESTIGATE.
- P14 PROVIDE POWER AND DATA ROUGH-IN FOR SECURITY GATES FROM FLOOR SLAB. PROVIDE 21mmC TO BASEMENT TELEPHONE BACKBOARD FOR SECURITY WIRING (BY OTHERS). CONFIRM EXACT TERMINATION POINT OF SECURITY CONDUIT WITH DCC REPRESENTATIVE PRIOR TO ROUGH-IN.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

TRUE NORTH

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER	DATE
ELECTRICAL	2025-05-09

SUBJECT | SUJET
SECOND FLOOR ELECTRICAL RENOVATION PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ: M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

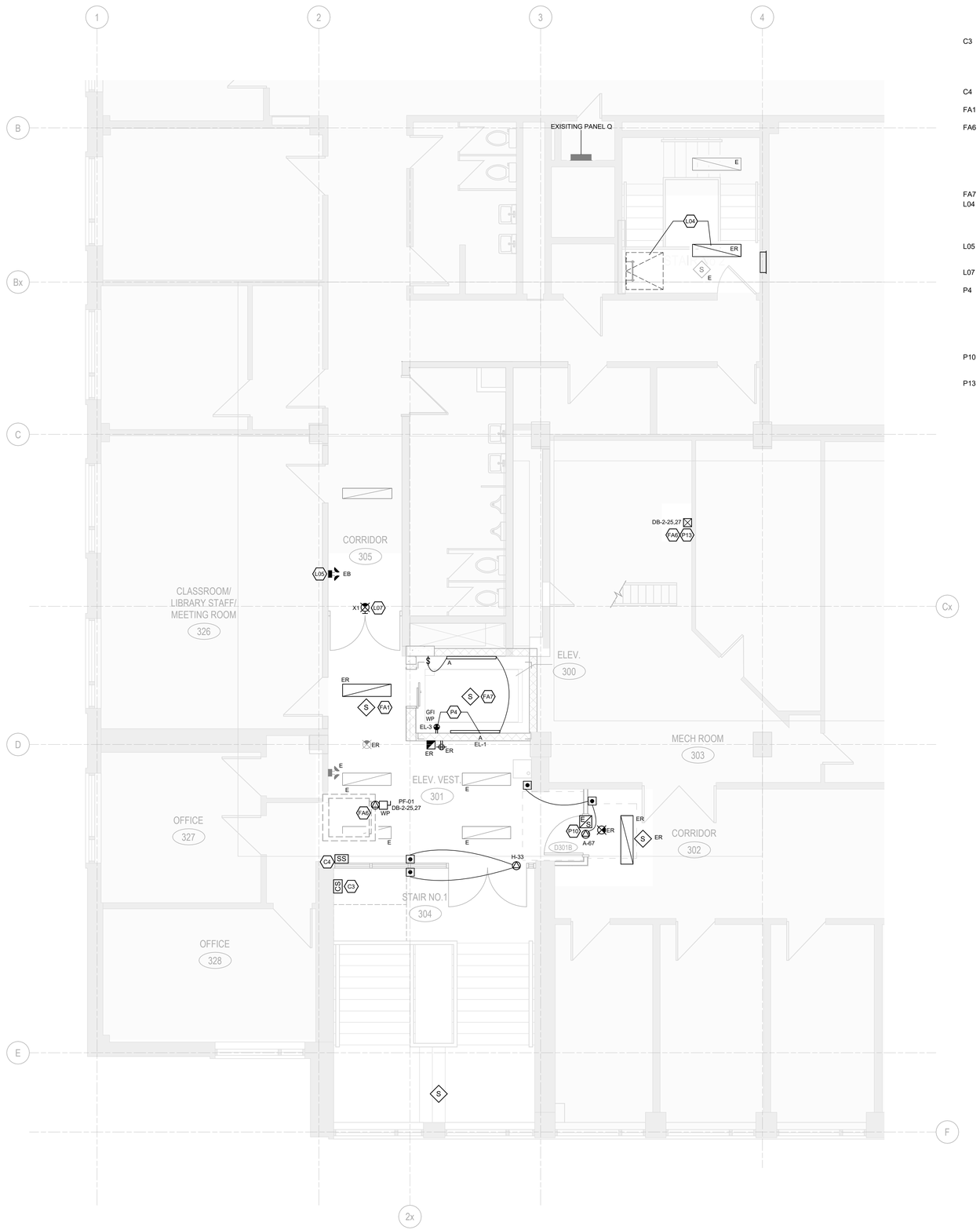
WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621770 & 110593

DWG. NO. | NO. DESSIN: K-K74-7701/35 - 506

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 2:54:48 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND23-0003_PB_DND_EL_Kingston_Massey_Library_R24.rvt



1 / 507 THIRD FLOOR ELECTRICAL RENOVATION PLAN

SCALE: 1 : 50

DRAWING KEYNOTES

- C3 PROVIDE NEW TWO-WAY COMMUNICATION SYSTEM SURFACE MOUNTED CALL STATION AT NOTED LOCATION C/W "AREA OF REFUGE / ZONE DE REFUGE" SIGNAGE ABOVE CALL STATION. INSTALL AT NO MORE THAN 1200mm AFF. PROVIDE 21mmC FROM CALL STATION TO ELECTRICAL ROOM TELEPHONE BACKBOARD. CONFIRM EXACT TERMINATION POINT OF CONDUIT WITH DCC REPRESENTATIVE PRIOR TO ROUGH-IN.
- C4 PROVIDE NEW "AREA OF REFUGE / ZONE DE REFUGE" SIGN WITH DIRECTIONAL ARROW ALONG WALL AS NOTED.
- FA1 SUPPLY AND INSTALL NEW SMOKE DETECTOR COMPLETE WITH AUXILIARY CONTACTS FOR ELEVATOR RECALL.
- FA6 NOTED PRESSURIZATION FAN TO BE INTERCONNECTED TO FIRE ALARM SYSTEM. FAN AND ASSOCIATED MOTORIZED DAMPERS (MD) TO TURN ON UPON ACTIVIATION OF FIRE ALARM. UPON CLEARANCE OF FIRE ALARM CONDITION, STAIR PRESSURIZATION FAN AND MOTORIZED DAMPERS SHALL RETURN TO ITS NORMAL CONDITION. COORDINATE WITH MECHANICAL TRADE FOR REQUIRED SEQUENCE OF OPERATION. PROVIDE CONTROLS AT FIRE ALARM CONTROL PANEL TO MANUALLY TURN OFF THE FAN.
- FA7 PROVIDE FIRE ALARM SMOKE DETECTOR AT TOP OF ELEVATOR SHAFT.
- L04 NOTED RECESSED FIXTURE TO BE RELOCATED AS SHOWN TO ACCOMMODATE NEW ACCESS HATCH. CONTRACTOR TO REWORK ANY EXISTING ELECTRICAL SERVICES RUNNING IN CEILING SPACE TO ACCOMMODATE NEW ACCESS HATCH. COORDINATE WITH GENERAL CONTRACTOR.
- L05 SUPPLY AND INSTALL NEW EMERGENCY BATTERY UNIT AS SHOWN. FEED FROM LINE SIDE OF EXISTING LOCAL LIGHTING CIRCUIT. LOAD TEST AND REPORT FINDINGS TO DCC REPRESENTATIVE.
- L07 PROVIDE NEW EXIT SIGN AS NOTED. EXIT SIGN TO BE FED FROM EXISTING DEDICATED LOCAL EXIT SIGN CIRCUIT SERVING ASSOCIATED FLOOR.
- P4 PROVIDE ELEVATOR SHAFT LIGHTING C/W CONTROL AND TYPE A GFCI WP RECEPTACLE AT TOP AND BOTTOM OF SHAFT. RECEPTACLE MUST BE GFI PROTECTED DEVICE WITH RESET MEANS ON RECEPTACLE. REMOTE PROTECTION IS NOT ACCEPTABLE. LIGHTING FIXTURES AT PIT LEVEL TO BE MOUNTED VERTICALLY STARTING FROM 600mm AFF. CONFIRM EXACT LOCATION OF LIGHTING AND DEVICES WITH ELEVATOR SUPPLIER PRIOR TO ROUGH-IN. LIGHTING AT TOP AND BOTTOM OF SHAFT TO BE CONTROLLED INDEPENDENTLY.
- P10 NOTED DOOR OPERATOR POWER MAY BE FED FROM EXISTING PANELS LOCATED ON SAME FLOOR PROVIDED SPARE BREAKER CAPACITY AVAILABLE. CONTRACTOR TO INVESTIGATE.
- P13 INDICATES NEW STARTER SERVING STAIR PRESSURIZATION FAN PF-01. STARTER PROVIDED BY MECHANICAL AND POWER/FIRE ALARM WIRING BY ELECTRICAL CONTRACTOR. CONFIRM EXACT LOCATION IN MECHANICAL ROOM WITH MECHANICAL TRADE PRIOR TO ROUGH-IN.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

BORDER LAST UPDATED 2010-08-20

TRUE NORTH

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50 (500 0 500 1000 1500 2000 2500 3000 3500 mm)

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER: ELECTRICAL
DATE: 2025-05-09

SUBJECT | SUJET
THIRD FLOOR ELECTRICAL RENOVATION PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ: M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT: WBS # (Project Info)
PF NUMBER | NO. DP: 500621770 & 110593
DWG. NO. | NO. DESSIN: K-K74-7701/35 - 507

Canada

2026-03-23 2:54:51 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND_EL_Kingston_MasseyLibrary_R24.rvt

BRANCH PANEL: EXISTING PANEL DB-1

LOCATION: ELECTRICAL ROOM 307
SUPPLY FROM:
MOUNTING: Surface
ENCLOSURE: Type 2

VOLTS: 347/600 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: EXISTING
MAINS TYPE: MCB
BUS RATING: 600 A
MCB RATING: 600A-3P

NOTES:

EXISTING PANEL EATON PRL3a. 18kA RATED BREAKERS AT 600V

CKT	LG	CIRCUIT DESCRIPTION	TRIP	POLE	A (VA)	B (VA)	C (VA)	POLE	TRIP	CIRCUIT DESCRIPTION	LG	CKT
DB-1-1	EL	EXISTING BREAKER	200 A	3	0 5888			3	60 A	ELEVATOR CONTROLLER**	ER	DB-1-2
DB-1-3	--	--	--	--		0 5888		--	--	--	--	DB-1-4
DB-1-5	--	--	--	--			0 5888	--	--	--	--	DB-1-6
DB-1-7	EL	EXISTING SPARE BREAKER	200 A	3	0 0			3	125 A	EXISTING SPARE BREAKER	EL	DB-1-8
DB-1-9	--	--	--	--		0 0		--	--	--	--	DB-1-10
DB-1-11	--	--	--	--			0 0	--	--	--	--	DB-1-12
DB-1-13	EL	EXISTING BREAKER	100 A	3	0 0			3	100 A	EXISTING SPARE BREAKER	EL	DB-1-14
DB-1-15	--	--	--	--		0 0		--	--	--	--	DB-1-16
DB-1-17	--	--	--	--			0 0	--	--	--	--	DB-1-18
DB-1-19	EL	EXISTING BREAKER	100 A	3	0 0			3	225 A	EXISTING BREAKER	EL	DB-1-20
DB-1-21	--	--	--	--		0 0		--	--	--	--	DB-1-22
DB-1-23	--	--	--	--			0 0	--	--	--	--	DB-1-24
DB-1-25	EL	EXISTING BREAKER	30 A	3	0 0			3	30 A	EXISTING SPARE BREAKER	EL	DB-1-26
DB-1-27	--	--	--	--		0 0		--	--	--	--	DB-1-28
DB-1-29	--	--	--	--			0 0	--	--	--	--	DB-1-30
DB-1-31	EL	EXISTING BREAKER	15 A	3	0 0			3	200 A	EXISTING BREAKER	EL	DB-1-32
DB-1-33	--	--	--	--		0 0		--	--	--	--	DB-1-34
DB-1-35	--	--	--	--			0 0	--	--	--	--	DB-1-36
DB-1-37	EL	EXISTING BREAKER	15 A	3	0 0			3	15 A	EXISTING BREAKER	EL	DB-1-38
DB-1-39	--	--	--	--		0 0		--	--	--	--	DB-1-40
DB-1-41	--	--	--	--			0 0	--	--	--	--	DB-1-42
DB-1-43												DB-1-44
DB-1-45												DB-1-46
DB-1-47												DB-1-48
			NEW LOADS:		5888 VA	5888 VA	5888 VA					
			NEW AMPS:		17 A	17 A	17 A					

LEGEND (LG):

A - ARC FAULT BREAKER, E - EXISTING BREAKER, EL - EXISTING LOAD AND BREAKER, G - GROUND FAULT BREAKER, L - LOCKED-ON BREAKER, S - SHUNT TRIP BREAKER

NOTES:

NEW ELEVATOR CONTROLLER BREAKER SIZE TO BE CONFIRMED WITH ELEVATOR SHOP DRAWINGS PRIOR TO ORDERING.
** EXISTING BREAKER NOTED AS SERVING ELEVATOR RE-USED FOR NEW ELEVATOR CONTROLLER POWER. PROVIDE NEW FEEDERS AS REQUIRED.

PANEL TOTALS

TOTAL CONN. LOAD:	EXISTING PANEL
TOTAL CONN.:	EXISTING PANEL

BRANCH PANEL: EXISTING PANEL P-H

LOCATION:
SUPPLY FROM: EXISTING PANEL DB-2
MOUNTING: RECESSED
ENCLOSURE: Type 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: EXISTING
MAINS TYPE: MLO
BUS RATING: 225 A
MCB RATING: N/A

NOTES:

EXISTING PANEL SQUARE D NQOD442L225CU. 10kA RATED BRANCH CIRCUIT BREAKERS AT 120/240V.

CKT	LG	CIRCUIT DESCRIPTION	TRIP	POLE	A (VA)	B (VA)	C (VA)	POLE	TRIP	CIRCUIT DESCRIPTION	LG	CKT
H-1	EL	EXISTING BREAKER	--	1	-- --			1	--	EXISTING BREAKER	EL	H-2
H-3	EL	EXISTING BREAKER	--	1		-- --		1	--	EXISTING BREAKER	EL	H-4
H-5	EL	EXISTING BREAKER	--	1			-- --	1	--	EXISTING BREAKER	EL	H-6
H-7	EL	EXISTING BREAKER	--	1	-- --			1	--	EXISTING BREAKER	EL	H-8
H-9	EL	EXISTING BREAKER	--	1		-- --		1	--	EXISTING BREAKER	EL	H-10
H-11	EL	EXISTING BREAKER	--	1			-- --	1	--	EXISTING BREAKER	EL	H-12
H-13	EL	EXISTING BREAKER	--	1	-- --			1	--	EXISTING BREAKER	EL	H-14
H-15	EL	EXISTING BREAKER	--	1		-- --		1	--	EXISTING BREAKER	EL	H-16
H-17	EL	EXISTING BREAKER	--	1			-- --	1	--	EXISTING BREAKER	EL	H-18
H-19	EL	EXISTING BREAKER	--	1	-- --			1	--	EXISTING BREAKER	EL	H-20
H-21	EL	EXISTING BREAKER	--	1		-- --		1	--	EXISTING BREAKER	EL	H-22
H-23	EL	EXISTING BREAKER	--	1			-- --	1	--	EXISTING BREAKER	EL	H-24
H-25	EL	EXISTING BREAKER	--	1	-- --			1	--	EXISTING BREAKER	EL	H-26
H-27	EL	EXISTING BREAKER	--	1		-- --		1	--	EXISTING BREAKER	EL	H-28
H-29	EL	EXISTING BREAKER	--	1			-- --	1	--	EXISTING BREAKER	EL	H-30
H-31	EL	EXISTING BREAKER	--	1	-- --			1	--	EXISTING BREAKER	EL	H-32
H-33	**	STAIR NO.1 DOOR OPERATORS	15 A	1		600 --		1	--	EXISTING BREAKER	EL	H-34
H-35	EL	EXISTING BREAKER	--	1			-- --	1	--	EXISTING BREAKER	EL	H-36
H-37	EL	EXISTING BREAKER	--	1	-- --			1	--	EXISTING BREAKER	EL	H-38
H-39	EL	EXISTING BREAKER	--	1		-- --		1	--	EXISTING BREAKER	EL	H-40
H-41	EL	EXISTING BREAKER	--	1			-- 400	1	15 A	LIBRARY ELEV VEST D/O		H-42
			NEW LOADS:		0 VA	600 VA	400 VA					
			NEW AMPS:		0 A	6 A	4 A					

LEGEND (LG):

A - ARC FAULT BREAKER, E - EXISTING BREAKER, EL - EXISTING LOAD AND BREAKER, G - GROUND FAULT BREAKER, L - LOCKED-ON BREAKER, S - SHUNT TRIP BREAKER

NOTES:

** = INDICATES EXISTING SPARE BREAKER TO BE USED.

PANEL TOTALS

TOTAL CONN. LOAD:	EXISTING PANEL
TOTAL CONN.:	EXISTING PANEL

BRANCH PANEL: NEW PANEL EL

LOCATION: ELEV. CONTROL RM 001
SUPPLY FROM: EXISTING PANEL P-R
MOUNTING: Surface
ENCLOSURE: Type 2

VOLTS: 120/208
PHASES: 1
WIRES: 3

A.I.C. RATING: TBC
MAINS TYPE: MCB
BUS RATING: 100 A
MCB RATING: 60A-2P

NOTES:

CONTRACTOR TO PROVIDE ARC FLASH COORDINATION STUDY TO CONFIRM NEW PANEL kAIC RATING AND ARC FLASH BOUNDARY STICKER.

CKT	LG	CIRCUIT DESCRIPTION	TRIP	POLE	A (VA)	B (VA)	POLE	TRIP	CIRCUIT DESCRIPTION	LG	CKT
EL-1		ELEVATOR SHAFT LIGHTING	15 A	1	114						EL-2
EL-3		ELEVATOR SHAFT RECEPTACLES	15 A	1		200					EL-4
EL-5		ELEVATOR AUXILARY POWER	15 A	1	0						EL-6
EL-7		ELEVATOR CAB LIGHTING	15 A	1		0					EL-8
EL-9		ELEVATOR COMM SYSTEM	15 A	1	0						EL-10
EL-11		ELEV. MECH. RM HK RECEPTACLE	20 A	1		200					EL-12
EL-13		SPARE	15 A	1	0						EL-14
EL-15		SPARE	15 A	1		0					EL-16
			LOAD:		114 VA	400 VA					
			AMPS:		1 A	3 A					

LEGEND (LG):

A - ARC FAULT BREAKER, E - EXISTING BREAKER, EL - EXISTING LOAD AND BREAKER, G - GROUND FAULT BREAKER, L - LOCKED-ON BREAKER, S - SHUNT TRIP BREAKER

NOTES:

ALL ELEVATOR BREAKERS TO MEET OESC 38-051 AND BE EQUIPPED WITH MEANS FOR LOCKING BREAKER IN OPEN POSITION

PANEL TOTALS

TOTAL CONN. LOAD:	416 VA
TOTAL CONN.:	2 A

BRANCH PANEL: NEW PANEL C

LOCATION: LECTURE HALL 006
SUPPLY FROM:
MOUNTING: Surface
ENCLOSURE: Type 2

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: TBC
MAINS TYPE: MCB
BUS RATING: 100 A
MCB RATING: 100A-3P

NOTES:

CONTRACTOR TO PROVIDE ARC FLASH COORDINATION STUDY TO CONFIRM NEW PANEL kAIC RATING AND ARC FLASH BOUNDARY STICKER.

CKT	LG	CIRCUIT DESCRIPTION	TRIP	POLE	A (VA)	B (VA)	C (VA)	POLE	TRIP	CIRCUIT DESCRIPTION	LG	CKT
-1		EXISTING BREAKER TO BE RE-FED	15 A	1	0 0			3	20 A	EXISTING BREAKER TO BE RE-FED		-2
-3		EXISTING BREAKER TO BE RE-FED	15 A	1		0 0		--	--	--	--	-4
-5		EXISTING BREAKER TO BE RE-FED	15 A	1			0 0	--	--	--	--	-6
-7		EXISTING BREAKER TO BE RE-FED	15 A	1	0 0			3	20 A	EXISTING BREAKER TO BE RE-FED		-8
-9		EXISTING BREAKER TO BE RE-FED	15 A	1		0 0		--	--	--	--	-10
-11		EXISTING BREAKER TO BE RE-FED	15 A	1			0 0	--	--	--	--	-12
-13		EXISTING BREAKER TO BE RE-FED	15 A	1	0 0			1	20 A	EXISTING BREAKER TO BE RE-FED		-14
-15		EXISTING BREAKER TO BE RE-FED	15 A	1		0 0		1	20 A	EXISTING BREAKER TO BE RE-FED		-16
-17		EXISTING BREAKER TO BE RE-FED	15 A	1			0 0	1	15 A	SPARE		-18
-19		EXISTING BREAKER TO BE RE-FED	15 A	1	0 0			1	15 A	SPARE		-20
-21		EXISTING BREAKER TO BE RE-FED	15 A	1		0 0		1	15 A	SPARE		-22
-23		EXISTING BREAKER TO BE RE-FED	15 A	1			0 0	1	20 A	SPARE		-24
-25		SPARE	15 A	1	0							-26
-27		SPARE	15 A	1		0						-28
-29		SPARE	20 A	1			0					-30
			NEW LOADS:		0 VA	0 VA	0 VA					
			NEW AMPS:		0 A	0 A	0 A					

LEGEND (LG):

A - ARC FAULT BREAKER, E - EXISTING BREAKER, EL - EXISTING LOAD AND BREAKER, G - GROUND FAULT BREAKER, L - LOCKED-ON BREAKER, S - SHUNT TRIP BREAKER

NOTES:

BREAKERS NOTED IN PANEL ARE ONE-FOR-ONE REPLACEMENT OF EXISTING TO BE REMOVED PANEL. CONFIRM EXACT BREAKER QUANTITIES AND SIZE PRIOR TO ORDERING. PROVIDE UPDATED PANEL DIRECTORY AS REQUIRED.

CONFIRM EXISTING PANEL FEED SOURCE PRIOR TO ROUGH-IN OF NEW FEEDER.

PANEL TOTALS

TOTAL CONN. LOAD:	EXISTING PANEL
TOTAL CONN.:	EXISTING PANEL

BRANCH PANEL: EXISTING PANEL A

LOCATION: ELEV. VEST. 003
SUPPLY FROM: EXISTING PANEL DB-2
MOUNTING: Surface
ENCLOSURE: Type 2

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: EXISTING
MAINS TYPE: LUGS
BUS RATING: 225 A
MCB RATING: N/A

NOTES:

EXISTING PANEL SQUARE D NQ. 10kA RATED BREAKERS AT 120/208V

CKT	LG	CIRCUIT DESCRIPTION	TRIP	POLE	A (VA)	B (VA)	C (VA)	POLE	TRIP	CIRCUIT DESCRIPTION	LG	CKT
A-1	EL	EXISTING BREAKER	15 A	1	0 0			1	20 A	EXISTING BREAKER	EL	A-2
A-3	EL	EXISTING BREAKER	15 A	1		0 0		1	20 A	EXISTING BREAKER	EL	A-4
A-5	EL	EXISTING BREAKER	15 A	1			0 0	1	20 A	EXISTING BREAKER	EL	A-6
A-7	EL	EXISTING BREAKER	15 A	1	0 0			1	15 A	EXISTING BREAKER	EL	A-8
A-9	EL	EXISTING BREAKER	15 A	1		0 0		1	15 A	EXISTING BREAKER	EL	A-10
A-11	EL	EXISTING BREAKER	15 A	1			0 0	1	15 A	EXISTING BREAKER	EL	A-12
A-13	EL	EXISTING BREAKER	15 A	1	0 0			1	15 A	EXISTING BREAKER	EL	A-14
A-15	EL	EXISTING BREAKER	15 A	1		0 0		1	15 A	EXISTING BREAKER	EL	A-16
A-17	EL	EXISTING BREAKER	15 A	1			0 0	1	15 A	EXISTING BREAKER	EL	A-18
A-19	EL	EXISTING BREAKER	20 A	1	0 0			1	15 A	EXISTING BREAKER	EL	A-20
A-21	EL	EXISTING BREAKER	15 A	1		0 0		1	15 A	EXISTING BREAKER	EL	A-22
A-23	EL	EXISTING BREAKER	15 A	1			0 0	1	15 A	EXISTING BREAKER	EL	A-24
A-25	EL	EXISTING BREAKER	15 A	1	0 0			1	15 A	EXISTING BREAKER	EL	A-26
A-27	EL	EXISTING BREAKER	15 A	1		0 0		1	15 A	EXISTING BREAKER	EL	A-28
A-29	EL	EXISTING BREAKER	15 A	1			0 0	1	15 A	EXISTING BREAKER	EL	A-30
A-31	EL	EXISTING BREAKER	15 A	1	0 0			1	15 A	EXISTING BREAKER	EL	A-32
A-33	EL	EXISTING BREAKER	15 A	1		0 0		1	15 A	EXISTING BREAKER	EL	A-34
A-35	EL	EXISTING BREAKER	15 A	1			0 0	1	15 A	EXISTING BREAKER	EL	A-36
A-37	EL	EXISTING BREAKER	15 A	1	0 0			1	15 A	EXISTING BREAKER	EL	A-38
A-39	EL	EXISTING BREAKER	15 A	1		0 0		1	15 A	EXISTING BREAKER	EL	A-40
A-41	EL	EXISTING BREAKER	15 A	1			0 0	1	15 A	EXISTING BREAKER	EL	A-42
A-43	EL	EXISTING BREAKER	15 A	1	0 0			1	15 A	EXISTING BREAKER	EL	A-44
A-45	EL	EXISTING BREAKER	15 A	1		0 0		1	15 A	EXISTING BREAKER	EL	A-46
A-47	EL	EXISTING BREAKER	15 A	1			0 0	1	15 A	EXISTING BREAKER	EL	A-48
A-49	EL	EXISTING BREAKER	15 A	1	0 400			1	15 A	ELEV VEST./LECTURE HALL D/O		A-50
A-51	EL	EXISTING BREAKER	15 A	1		0 0		1	15 A	EXISTING SPARE BREAKER	E	A-52
A-53	EL	EXISTING BREAKER	15 A	1			0 0	1	15 A	EXISTING SPARE BREAKER	E	A-54
A-55	EL	EXISTING BREAKER	15 A	1	0 0			1	15 A	EXISTING SPARE BREAKER	E	A-56
A-57	EL	EXISTING BREAKER	15 A	1		0 0		1	15 A	EXISTING SPARE BREAKER	E	A-58
A-59	EL	EXISTING BREAKER	15 A	1			0 0	1	15 A	EXISTING SPARE BREAKER	E	A-60
A-61	EL	EXISTING BREAKER	20 A	2	0 0			1	15 A	EXISTING SPARE BREAKER	E	A-62
A-63	--	--	--	--		0 0		1	15 A	EXISTING SPARE BREAKER	E	A-64
A-65	EL	EXISTING BREAKER	15 A	1			0 0	1	15 A	EXISTING SPARE BREAKER	E	A-66
A-67		BRIDGE 208 DOOR OPERATOR	15 A	1	600 100			1	15 A	MAGLOCK POWER SUPPLY		A-68
A-69		BAS PANEL POWER	15 A	1		0 300		1	15 A	SECURITY GATES POWER		A-70
A-71												A-72
			NEW LOADS:		1100 VA	300 VA	0 VA					
			NEW AMPS:		10 A	3 A	0 A					

LEGEND (LG):

A - ARC FAULT BREAKER, E - EXISTING BREAKER, EL - EXISTING LOAD AND BREAKER, G - GROUND FAULT BREAKER, L - LOCKED-ON BREAKER, S - SHUNT TRIP BREAKER

NOTES:

PANEL TOTALS

TOTAL CONN. LOAD:	EXISTING PANEL
TOTAL CONN.:	EXISTING PANEL

BRANCH PANEL: EXISTING PANEL P-R

LOCATION: ELECTRICAL ROOM 307
SUPPLY FROM: EXISTING PANEL DB-2
MOUNTING: Surface
ENCLOSURE: Type 2

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: EXISTING
MAINS TYPE: LUGS
BUS RATING: 225 A
MCB RATING: N/A

NOTES:

EXISTING PANEL SQUARE D NQOD. 10kA RATED BREAKERS AT 120/208V

CKT	LG	CIRCUIT DESCRIPTION	TRIP	POLE	A (VA)	B (VA)	C (VA)	POLE	TRIP	CIRCUIT DESCRIPTION	LG	CKT
R-1	**	SPARE	20 A	1	0 0			1	15 A	EXISTING BREAKER	EL	R-2
R-3	EL	EXISTING BREAKER	15 A	1		0 0		1	15 A	FIRE ALARM PANEL	EL	R-4
R-5	~	SPARE	20 A	1			0 0	1	15 A	EXISTING BREAKER	EL	R-6
R-7	EL	EXISTING BREAKER	15 A	1	0 0			2	20 A	EXISTING BREAKER	EL	R-8
R-9	EL	EXISTING BREAKER	15 A	1		0 0		--	--	--	--	R-10
R-11		STAIR MOTORIZED DAMPER	15 A	1			240 2200	1	30 A	ELEVATOR SUMP PUMPS		R-12
R-13		NEW PANEL EL	60 A	2	114 1872			2	25 A	ELEV MACHINE ROOM SPLIT AC CU/AC		R-14
R-15	--	--	--	--		400 1872		--	--	--	--	R-16
R-17												R-18
R-19												R-20
R-21												R-22
R-23												R-24
R-25												R-26
R-27						0		1	15 A	EXISTING BREAKER	EL	R-28
R-29	EL	EXISTING BREAKER	15 A	1			0 0	1	15 A	EXISTING BREAKER	EL	R-30
			LOAD:		1875 VA	2272 VA	2440 VA					
			AMPS:		16 A	19 A	21 A					

LEGEND (LG):

E - EXISTING BREAKER, EL - EXISTING LOAD AND BREAKER, ER - EXISTING BREAKER TO BE REWORKED, ES - EXISTING BREAKER MADE SPARE, S - SHUNT TRIP BREAKER

NOTES:

** = EXISTING BREAKER NOTED AS SERVING EXISTING ELEVATOR CAB LIGHTING TO BE MADE SPARE.
~ = EXISTING BREAKER NOTED AS SERVING EXISTING ELEVATOR RECEPTACLE TO BE MADE SPARE.

PANEL TOTALS

TOTAL CONN. LOAD:	EXISTING PANEL
TOTAL CONN.:	EXISTING PANEL

BRANCH PANEL: EXISTING PANEL DB-2

LOCATION: ELECTRICAL ROOM 307
SUPPLY FROM:
MOUNTING: Surface
ENCLOSURE: Type 2

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. RATING: 65 kA
MAINS TYPE: LUGS
BUS RATING: 600 A
MCB RATING: 600A-3P

NOTES:

EXISTING PANEL EATON POW-R-LINE C PRL3a.

CKT	...	CIRCUIT DESCRIPTION	TRIP	POLE	A (VA)	B (VA)	C (VA)	POLE	TRIP	CIRCUIT DESCRIPTION	...	CKT
DB-2-1		EXISTING BREAKER	225 A	3	0 0			3	100 A	EXISTING BREAKER		DB-2-2
DB-2-3	--	--	--	--		600 0		--	--	--	--	DB-2-4
DB-2-5	--	--	--	--			400 0	--	--	--	--	DB-2-6
DB-2-7		EXISTING BREAKER	100 A	3	0 0			3	100 A	EXISTING BREAKER		DB-2-8
DB-2-9	--	--	--	--		0 0		--	--	--	--	DB-2-10
DB-2-11	--	--	--	--			0 0	--	--	--	--	DB-2-12
DB-2-13		EXISTING BREAKER	100 A	3	0 0			3	100 A	EXISTING BREAKER		DB-2-14
DB-2-15	--	--	--	--		0 0		--	--	--	--	DB-2-16
DB-2-17	--	--	--	--			0 0	--	--	--	--	DB-2-18
DB-2-19		EXISTING BREAKER	100 A	3	0 0			3	50 A	EXISTING BREAKER		DB-2-20
DB-2-21	--	--	--	--		0 0		--	--	--	--	DB-2-22
DB-2-23	--	--	--	--			0 0	--	--	--	--	DB-2-24
DB-2-25		STAIR ROOF PRESSURIZATION FAN	35 A	2	1477 0			3	60 A	EXISTING SPARE BREAKER		DB-2-26
DB-2-27	--	--	--	--		1477 0		--	--	--	--	DB-2-28
DB-2-29							0	--	--	--	--	DB-2-30
DB-2-31						0		3	100 A	EXISTING BREAKER		DB-2-32
DB-2-33							0	--	--	--		DB-2-34
DB-2-35							0	--	--	--	--	DB-2-36
DB-2-37						0		3	100 A	EXISTING BREAKER		DB-2-38
DB-2-39							0	--	--	--	--	DB-2-40
DB-2-41							0	--	--	--	--	DB-2-42
DB-2-43		EXISTING SPARE BREAKER	225 A	3	0 0			3	225 A	EXISTING SPARE BREAKER		DB-2-44
DB-2-45	--	--	--	--		0 0		--	--	--	--	DB-2-46
DB-2-47	--	--	--	--			0 0	--	--	--	--	DB-2-48
DB-2-49		EXISTING BREAKER	225 A	3	1875 1100			3	225 A	EXISTING BREAKER		DB-2-50
DB-2-51	--	--	--	--		2272 300		--	--	--	--	DB-2-52
DB-2-53	--	--	--	--			2440 0	--	--	--	--	DB-2-54
DB-2-55												DB-2-56
DB-2-57												DB-2-58
DB-2-59												DB-2-60
DB-2-61												DB-2-62
DB-2-63												DB-2-64
DB-2-65												DB-2-66
DB-2-67												DB-2-68
DB-2-69												DB-2-70
DB-2-71												DB-2-72
			NEW...		4450 VA	4649 VA	2840 VA					
			NEW...		39 A	41 A	24 A					

LEGEND (LG):

A - ARC FAULT BREAKER, E - EXISTING BREAKER, EL - EXISTING LOAD AND BREAKER, G - GROUND FAULT BREAKER, L - LOCKED-ON BREAKER, S - SHUNT TRIP BREAKER

NOTES:

CONFIRM BREAKER KAIC RATING PRIOR TO ORDERING.

PANEL TOTALS

TOTAL CONN. LOAD:	EXISTING PANEL
TOTAL CONN.:	EXISTING PANEL

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER
ELECTRICAL

DATE
2025-05-09

SUBJECT | SUJET
ELECTRICAL AND PANEL SCHEDULES

PRODUCTION	REVIEWED	REVU
DESIGNED	ÉTUDIÉ: M. Khodr	DES O | AGENT CONC
DRAWN	DESSINÉ: M. Khodr	PRO MGR | GÉST PROJ
CHECKED	VÉRIFIÉ: M. Ahmad	DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT: WBS # (Project Info)
PF NUMBER | NO. DP: 500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 508

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 2:54:53 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND723-0003_PS_DND EL_Kington_Massey.Library_R24.rvt

LUMINAIRE SCHEDULE

NOTES: CONFIRM VOLTAGE OF FIXTURES WITH EXISTING CONDITIONS PRIOR TO ORDERING.

Image	FIXTURE TAG	LAMP TYPE	DESCRIPTION	FIXTURE LUMENS	VOLTAGE	FIXTURE WATTS	CRI	COLOUR TEMP	CONTROLS	MOUNTING	ACCEPTABLE MANUFACTURERS
	A	LED	4' LONG FULLY GASKETED WET LOCATION VAPOR TIGHT FIXTURE C/W POLYCARBONATE HOUSING, LOW PROFILE CLEAR LENS, WIDE DISTRIBUTION, AND MOUNTING ACCESSORIES TO SUIT INSTALLATION.	6000	120 V	38 W	80	4000K	0-10V DIMMING	SURFACE	ACUITY/COOPER/SIGNIFY
	B	LED	14" DIAMETER SURFACE MOUNT FIXTURE C/W EDGLESS DESIGN, AND FIELD SELECTABLE COLOUR TEMPERATURE.	2000	120 V	26 W	80	TO MATCH EXISTING	0-10V DIMMING	SURFACE	ACUITY/COOPER/SIGNIFY
	C	LED	1' X 4' RECESSED FLAT PANEL SHALLOW FIXTURE C/W LOW GLARE BACK LIT PANEL, DRYWALL CEILING ADAPTER, SELECTABLE COLOUR TEMPERATURE, ALUMINUM FRAME, AND SATIN WHITE LENS.	6000	120 V	56 W	80	TO MATCH EXISTING	0-10V DIMMING	RECESSED	ACUITY/COOPER/SIGNIFY
	C1	LED	1' X 4' RECESSED FLAT PANEL SHALLOW FIXTURE C/W LOW GLARE BACK LIT PANEL, DRYWALL CEILING ADAPTER, SELECTABLE COLOUR TEMPERATURE, ALUMINUM FRAME, AND SATIN WHITE LENS.	4000	120 V	36 W	80	TO MATCH EXISTING	0-10V DIMMING	RECESSED	ACUITY/COOPER/SIGNIFY
	COMBO	LED	EXTRUDED ALUMINUM COMBINATION RUNNING MAN SIGN C/W 36W BATTERY, THERMOPLASTIC PAR18 2X 4W LED HEADS, INTEGRATED TEST SWITCH, UNIVERSAL FACE PLATES.	N/A	120 V	4 W	N/A	N/A	N/A	WALL/CEILING	AIMLITE/STANPRO/LUMACELL
	E2	LED	TWIN HEAD REMOTE EMERGENCY BATTERY FIXTURE	N/A	24 V	4 W	N/A	N/A	N/A	WALL	AIMLITE/STANPRO/LUMACELL
	EB	LED	STEEL BATTERY UNIT C/W TWO 4W MR16 LED HEADS AND 72W BATTERY CAPACITY	N/A	120 V	4 W	N/A	N/A	N/A	WALL	AIMLITE/STANPRO/LUMACELL
	X1	LED	EXTRUDED ALUMINUM COMBINATION RUNNING MAN SIGN C/W 36W BATTERY, THERMOPLASTIC PAR18 2X 4W LED HEADS, INTEGRATED TEST SWITCH, UNIVERSAL FACE PLATES.	N/A	120 V	4 W	N/A	N/A	N/A	WALL/CEILING	AIMLITE/STANPRO/LUMACELL

AUTOMATIC FIRE RECALL OPERATION MATRIX

	Recall Landing on Activation of FAID	
Location of Fire Alarm Initiating Device (FAID)	Primary Recall (G)	Alternate Recall (1N)*
Elevator Pit		X
Lecture Hall	X	
Ground Lobby		X
Elevator Machine Room		X
Level 1 Lobby North	X	
Level 1 Lobby South	X	
Level 2 Lobby	X	
Level 3 Lobby	X	
Top of Elevator Hoistway	X	

Notes:
* - Alternate recall landing is subject to change and will be confirmed during construction.
The activation of a fire alarm initiating device located other than listed above will not impact elevator.
Final programming of fire alarm signals to suit Elevator Contractor as some vendors required three signal inputs while others require five.
Elevator recall landing is based on first fire signal received.

MECHANICAL EQUIPMENT SCHEDULE

EQUIPMENT TAG	DESCRIPTION	VOLTAGE	POLES	MOCP	SIZE	REMARKS
PF-01	ROOF MOUNTED SUPPLY FAN	208 V	2	30/2	13.2 FLA	PROVIDE FIRE ALARM INTERCONNECTION AS NOTED ON DRAWINGS. COORDINATE REQUIRED INTERLOCKS WITH MECHANICAL TRADE.
AC-01	SPLIT AC UNIT - INDOOR	208 V	2	25/2	1 MCA	AC-01 POWER SUPPLIED FROM CU-01.
CU-01	SPLIT AC UNIT - OUTDOOR	208 V	2	25/2	17 MCA	
P-02	ELEVATOR SUMP PUMP	120 V	1	30/1	9.1 FLA	SUMP PUMP FED FROM CONTROL PANEL.
P-01	ELEVATOR SUMP PUMP	120 V	1	30/1	9.1 FLA	SUMP PUMP FED FROM CONTROL PANEL.

ELECTRICAL CIRCUIT FEEDER SCHEDULE

NOTE: CONTRACTOR ADJUST FEEDER SIZE TO ACCOMMODATE ACTUAL SITE CONDITION FEEDER LENGTHS AND VOLTAGE DROP.

PANEL	CIRCUIT NUMBER	BREAKER SIZE	CIRCUIT NAME	ASSUMED FEEDER LENGTH	WIRE SIZE	CONDUIT SIZE
EXISTING PANEL A	A-50	15 A	ELEV VEST./LECTURE HALL D/O	34'	#12	3/4"C
EXISTING PANEL A	A-67	15 A	BRIDGE 208 DOOR OPERATOR	71'	#12	3/4"C
EXISTING PANEL A	A-68	15 A	MAGLOCK POWER SUPPLY	45'	#12	3/4"C
EXISTING PANEL A	A-69	15 A	BAS PANEL POWER	0'	#12	3/4"C
EXISTING PANEL A	A-70	15 A	SECURITY GATES POWER	60'	#12	3/4"C
EXISTING PANEL DB-1	DB-1-2,4,6	60 A	ELEVATOR CONTROLLER**	54'	#6	1"C
EXISTING PANEL DB-2	DB-2-25,27	35 A	STAIR ROOF PRESSURIZATION FAN	79'	#10	3/4"C
EXISTING PANEL P-H	H-33	15 A	STAIR NO.1 DOOR OPERATORS			
EXISTING PANEL P-H	H-42	15 A	LIBRARY ELEV VEST D/O	43'	#12	3/4"C
EXISTING PANEL P-R	R-11	15 A	STAIR MOTORIZED DAMPER	74'	#12	3/4"C
EXISTING PANEL P-R	R-12	30 A	ELEVATOR SUMP PUMPS	68'	#10	3/4"C
EXISTING PANEL P-R	R-13,15	60 A	NEW PANEL EL			
EXISTING PANEL P-R	R-14,16	25 A	ELEV MACHINE ROOM SPLIT AC CU/AC	24'	#10	3/4"C
NEW PANEL EL	EL-1	15 A	ELEVATOR SHAFT LIGHTING	57'	#12	3/4"C
NEW PANEL EL	EL-3	15 A	ELEVATOR SHAFT RECEPTACLES	45'	#12	3/4"C
NEW PANEL EL	EL-11	20 A	ELEV. MECH. RM HK RECEPTACLE	50'	#12	3/4"C

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

BORDER LAST UPDATED 2010-08-20

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER
ELECTRICAL

DATE
2025-05-09

SUBJECT | SUJET
ELECTRICAL SCHEDULES

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

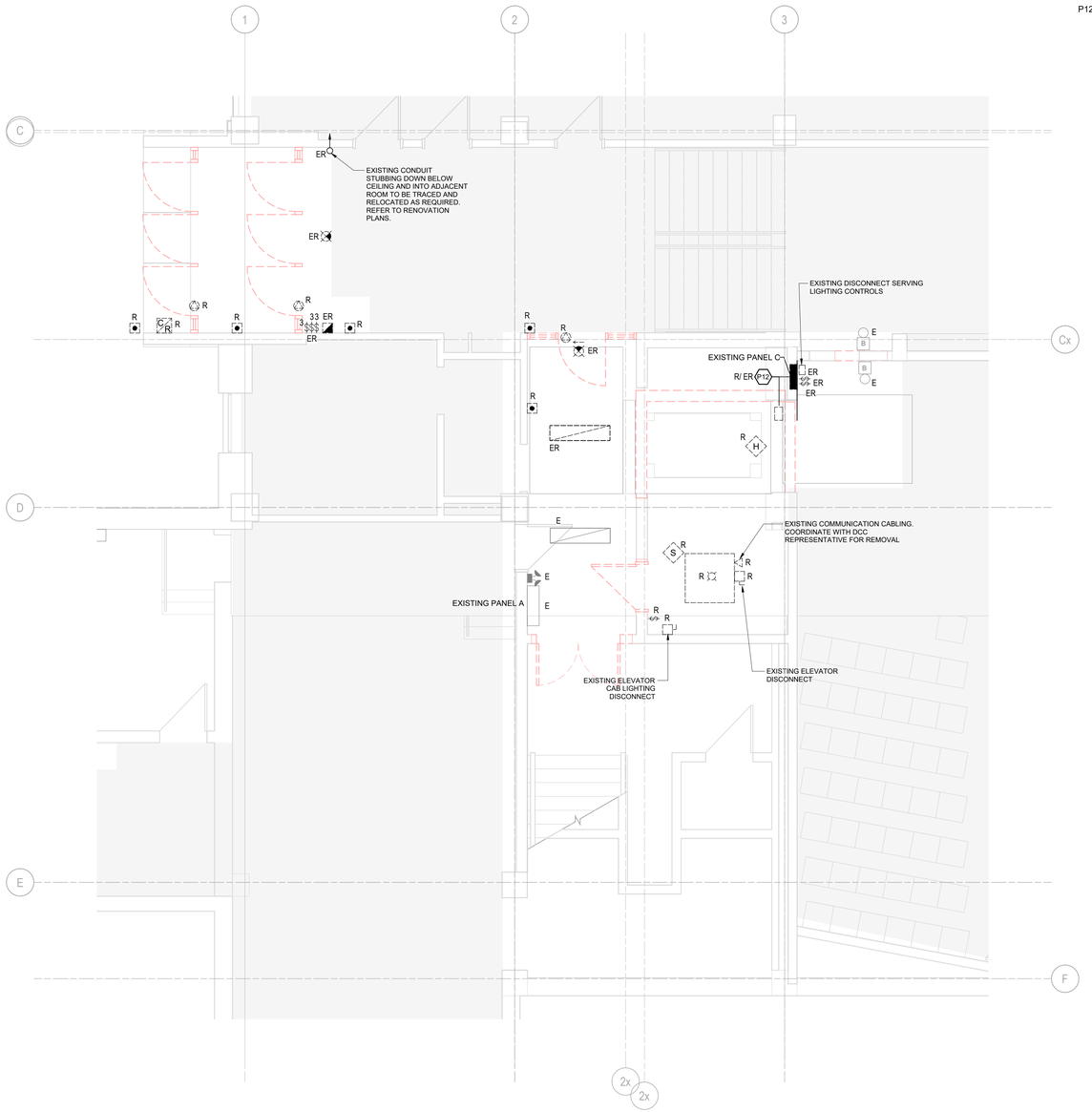
WBS NUMBER | NO. SRT
WBS # (Project Info)

PF NUMBER | NO. DP
500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 509

Canada

2026-03-23 2:54:57 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DND123-0003_PB_DND_EL_Kingston_MasseyLibrary_R24.rvt



1/510 GROUND FLOOR ELECTRICAL DEMOLITION PLAN

SCALE: 1 : 50

DRAWING KEYNOTES

P12 EXISTING PANEL TO BE REMOVED AND REPLACED WITH NEW. EXISTING PANEL FEEDER AND CIRCUITS ENCASED IN CONCRETE BULKHEAD LOCATED WITHIN EXISTING ELEVATOR SHAFT. BULKHEAD TO BE DEMOLISHED TO ACCOMMODATE NEW ELEVATOR OPENING. REWORK EXISTING CIRCUITS TO ACCOMMODATE PANEL RELOCATION AND BULKHEAD DEMOLITION AND PROVIDE NEW 4#3+GND IN 35mmC FROM PANEL DB-2 FOR NEW FEEDER. REFER TO NEW PANEL C SCHEDULE FOR MORE INFORMATION.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

BORDER LAST UPDATED 2010-08-20

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50 (500 0 500 1000 1500 2000 2500 3000 3500 mm)

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER	DATE
ELECTRICAL	2025-05-09

SUBJECT | SUJET
GROUND FLOOR ELECTRICAL DEMOLITION PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 510

Canada

Autodesk Docs://DND Massey Hall Elevator Upgrade/DNDT23-00013_PB_DND_EL_Kingston_MasseyLibrary_R24.rvt
2026-03-23 2:54:55 PM



1/511 FIRST FLOOR ELECTRICAL DEMOLITION PLAN

SCALE: 1 : 50

DRAWING KEYNOTES

D3 ALL EXISTING DEVICES ALONG THIS WALL TO BE TEMPORARILY RELOCATED TO ALLOW FOR DEMOLITION OF ELEVATOR SHAFT WALL. RE-INSTALL ON SHAFT WALL ONCE SHAFT WALL CONSTRUCTION IS COMPLETE. CONFIRM TEMPORARY LOCATION DURING BIDDERS WALKTHROUGH WITH DCC REPRESENTATIVE PRIOR TO TENDER CLOSE.

FA3 INDICATES EXISTING NOTIFIER NSF 3030 FIRE ALARM CONTROL PANEL SERVING BUILDING TO BE TEMPORARILY RELOCATED TO ALLOW FOR DEMOLITION AND CONSTRUCTION OF NEW SHAFT WALL. REQUIRED DOWNTIME TO BE MINIMIZED AND COORDINATED WITH DCC REPRESENTATIVE AND REMAIN OPERATIONAL DURING CONSTRUCTION. COORDINATE WITH FIRE ALARM CONTRACTOR AND GENERAL CONTRACTOR PRIOR TO TENDER CLOSE TO ENSURE ANY REQUIRED FIRE WATCH IS PROVIDED. CONFIRM DURING BIDDERS WALKTHROUGH TEMPORARY LOCATION WITH DCC REPRESENTATIVE PRIOR TO TENDER CLOSE. PROVIDE FIRE ALARM VERIFICATION ONCE SYSTEM IS RE-INSTALLED.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER	DATE
ELECTRICAL	2025-05-09

SUBJECT | SUJET
FIRST FLOOR ELECTRICAL DEMOLITION PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

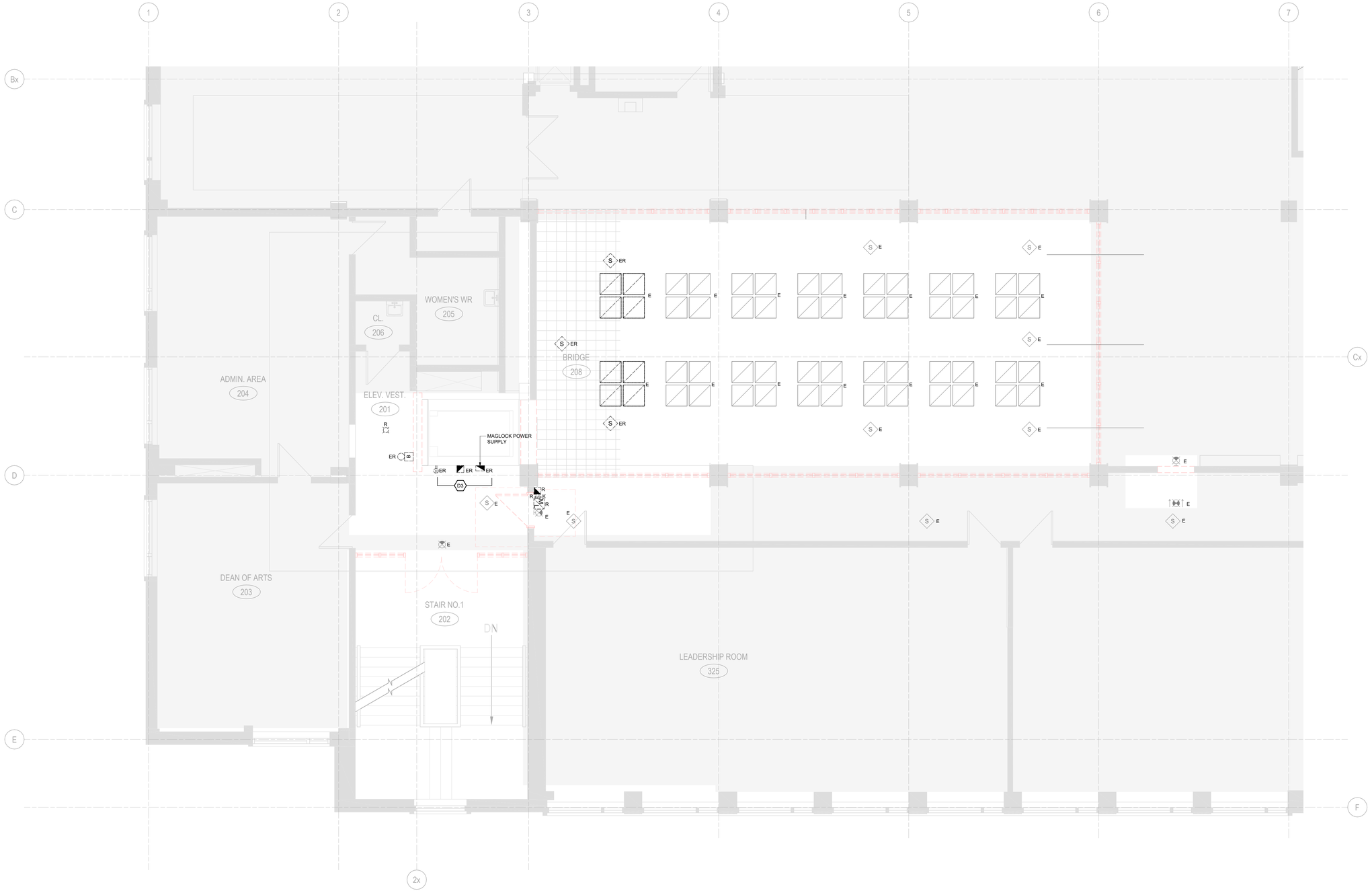
WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 511

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 2:55:00 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DNDT23-00/3_PB_DND_EL_Kingston_MasseyLibrary_R24.rvt



1/512 SECOND FLOOR ELECTRICAL DEMOLITION PLAN

SCALE: 1 : 50

DRAWING KEYNOTES

D3 ALL EXISTING DEVICES ALONG THIS WALL TO BE TEMPORARILY RELOCATED TO ALLOW FOR DEMOLITION OF ELEVATOR SHAFT WALL. RE-INSTALL ON SHAFT WALL ONCE SHAFT WALL CONSTRUCTION IS COMPLETE. CONFIRM TEMPORARY LOCATION DURING BIDDERS WALKTHROUGH WITH DCC REPRESENTATIVE PRIOR TO TENDER CLOSE.

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50

500 0 500 1000 1500 2000 2500 3000 3500 mm

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER	DATE
ELECTRICAL	2025-05-09

SUBJECT | SUJET
SECOND FLOOR ELECTRICAL DEMOLITION PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT	PF NUMBER | NO. DP
WBS # (Project Info)	500621770 & 110593

DWG. NO. | NO. DESSIN
K-K74-7701/35 - 512

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 2:55:01 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DNDT23-00/03_PB_DND_EL_Kingston_MasseyLibrary_R24.rvt



1 THIRD FLOOR ELECTRICAL RENOVATION PLAN

SCALE: 1 : 50

DRAWING KEYNOTES

D3 ALL EXISTING DEVICES ALONG THIS WALL TO BE TEMPORARILY RELOCATED TO ALLOW FOR DEMOLITION OF ELEVATOR SHAFT WALL. RE-INSTALL ON SHAFT WALL ONCE SHAFT WALL CONSTRUCTION IS COMPLETE. CONFIRM TEMPORARY LOCATION DURING BIDDERS WALKTHROUGH WITH DCC REPRESENTATIVE PRIOR TO TENDER CLOSE.

Government of Canada | Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ
UNCLASSIFIED

This design is an instrument of service and is protected by copyright, copyright for the consultant's instrument of service belongs to the consultant. Copies including electronic copies, may only be used for the purpose intended and for a one-time use, on the same site, and for the same project and may not be offered for sale or transfer without the express written consent of the consultant.

Le présent dessin est un instrument de service protégé par le droit d'auteur. Le droit d'auteur sur l'instrument de service de l'expert-conseil appartient à ce dernier. Les exemplaires de ce dessin, y compris les exemplaires électroniques, ne peuvent servir qu'aux fins prévues, et ce, qu'une fois, sur le même chantier et pour le même projet. Ils ne peuvent être offerts en vente ni transférés sans le consentement écrit exprès de l'expert-conseil.

LICENSED PROFESSIONAL ENGINEER
S. J. STOOPS
100502277
2026-MAR-23
PROVINCE OF ONTARIO

NO.	DATE	REVISION	APPR.
0	2026-03-23	ISSUED FOR TENDER	

SCALE | ÉCHELLE 1:50 (500 0 500 1000 1500 2000 2500 3000 3500 mm)

LOCATION | EMPLACEMENT
KINGSTON, ONTARIO

PROJECT | PROJET
Kingston Massey Building Elevator Upgrades

TRADE | MÉTIER: ELECTRICAL
DATE: 2025-05-09

SUBJECT | SUJET
THIRD FLOOR ELECTRICAL DEMOLITION PLAN

PRODUCTION	REVIEWED | REVU	
DESIGNED | ÉTUDIÉ: M. Khodr		DES O | AGENT CONC
DRAWN | DESSINÉ: M. Khodr		PRO MGR | GÉST PROJ
CHECKED | VÉRIFIÉ: M. Ahmad		DES MGR | GÉST CONC
COORDINATION		FIRE | INCENDIE

WBS NUMBER | NO. SRT: WBS # (Project Info)
PF NUMBER | NO. DP: 500621770 & 110593

DWG. NO. | NO. DESSIN: K-K74-7701/35 - 513

Canada

BORDER LAST UPDATED 2010-08-20

2026-03-23 2:35:02 PM Autodesk Docs://DND Massey Hall Elevator Upgrade/DNDT23-00/3_PB_DND_EL_Kingston_Masseyl_Library_R24.rvt