

The following information changes the competitive process documents issued on Thursday, January 23, 2025.

GENERAL INFORMATION

Item 1: See attached Specifications and Drawings, by Invizij Architects Inc., revised February 6, 2025, (19 pages)

Item 2: See attached Addendum #1, by Kalos Engineering Inc., revised February 6, 2025, (6 pages)

QUESTIONS AND RESPONSES

- Q1 Regarding the construction of the lift pit, is there requirement to excavate and replace granular base?
- R1 Refer to General Information Item 2.**
- Q2 Are any special procedures required to cut and remove the section of slab on grade for the new lift base slab? Such as rebar scanning or reshoring.
- R2 Refer to General Information Item 2.**
- Q3 Can you clarify how the depressed slab will be constructed for the lift? The structural drawings suggest that this slab will be cut out and re-poured. But this is not slab on grade. On site, there was a basement under the stage, and this slab height was approximately 15 feet high. Is the intention that scaffold will be erected, and the new slab to be formed at this height?
- R3 Refer to General Information Item 2.**
- Q4 Should the lead containing mechanical grille just be replaced with a new one or lead content is acceptable?
- R4 Grill can be re-used**
- Q5 Can you confirm if the Anti Slip Strip a surface applied, or recessed cast in place.
- R5 Refer to General Information Item 1.**
- Q6 Please confirm what type of Resilient flooring is required, anchored or floating. Please identify system or model number or name.
- R6 Refer to General Information Item 1.**
- Q7 Who is the lift Supplier and contact. Id Savaria&Garaventa is acceptable?
- R7 Savaria-Bases of design.**
- Q8 Can you please confirm if there is any communications preferred contractor?
- R8 DVAC Communications.**

- Q9 Please confirm the base building fire Alarm contractor detail?
- R9 **Hamilton Fire Control.**
- Q10 In Submission form we found there is provision for Data and Millwork. Please confirm the scope, we do not see in drawing.
- R10 **No specifications provided as they are not required.**
- Q11 Stage Lift, Please provide the name of stage lift company.
- R11 **The barrier free lift is based on the design from Savaria V-1504 lift.**
- Q12 There is no specification of Lift. Is it supply by owner?
- R12 **Barrier free lift is based on Savaria V-1504 design. GC would be responsible to source out lift from the manufacturer and have it installed by manufacturer.**
- Q13 Are we also painting the stage open ceiling?
- R13 **No.**
- Q14 Can you please provide us with a finished schedule?
- R14 **No finish schedule will be provided; all new finishes are called off on drawings. If there is a specific finish that has been identified, please let us know.**
- Q15 According to suppliers, EH Price won't provide the curved grille. As such, will client accept re-using the existing grille or custom fabricated grille from heavy gauge material matching existing grille?
- R15 **Grill can be re-used.**
- Q16 According to the return grilles on M2-0 Note 2. The model listed is not an EH Price model, it's actually a different manufacturer Metalaire. The grilles are supposed to be return grilles but the model listed is a security grille meant for supply. Do they want security grilles in those areas? The equivalent EH Price security grilles are a maximum length of 30", Metalaire is 48" max length. Also, the security grilles are not made curved, only flat/straight frame. Please provide more clarity for the spec required on this point.
- R16 **Grill can be re-used.**

End of Addendum 2

All above Sections by Invizij Architects unless noted otherwise. No. of Pages Date (Y/M/D)

DIVISION 00 – BIDDING AND CONTRACT REQUIREMENTS

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DIVISION 01 – GENERAL REQUIREMENTS

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DIVISION 02 – SITEWORK

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DIVISION 03 – CONCRETE – NOT USED

DIVISION 04 – MASONRY – NOT USED

DIVISION 05 – METALS

05 51 00	Handrails and Guards	4	2025/01/21
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DIVISION 06 – WOOD AND PLASTIC – NOT USED

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

07 92 00	Sealants	4	2025/01/21
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DIVISION 08 – DOORS AND WINDOWS – NOT USED

DIVISION 09 – FINISHES

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09 64 53	Resilient Wood Flooring System (RWFS)	4	2025/01/21
09 65 19	Resilient Tile Flooring	6	2025/02/06
09 75 60	Concrete Sealing	2	2025/02/06

DIVISIONS 10 Through 14, 31, 32 & 33 – NOT USED

APPENDIX A: Additional Owner Directed Work

1. Pre-Construction Designated Substances and Hazardous Materials Survey, dated 2024/10/15
Prepared by MTE.
2. Designated Substances and Hazardous Materials – Scope, dated 2024/10/15
prepared by MTE

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Date (Y/M/D)

ARCHITECTURAL DRAWINGS – by Invizij Architects

A0.01	Cover Page, General Notes, Assemblies and O.B.C. Matrix	2025/02/06
A1.00	Ground Floor - Context Plan	2025/02/06
A1.01	Stage Extension - Floor Plan	2025/02/06
A2.00	Stage Elevation	2025/02/06
A3.00	Stage Access – Stair Details	2025/02/06
A3.01	Stage Access – B.F. Lift Details	2025/02/06
AD1.00	Existing Stage - Demo Plan	2025/02/06

STRUCTURAL DRAWINGS by Kalos Engineering

S0.01	Cover Sheet & General Notes	2025/02/06
S1.01	Proposed Stage Floor Plan	2025/02/06
S1.02	Proposed Stage Sections	2025/02/06
S1.03	Proposed Stage Lift Sections and Typical Details	2025/02/06

MECHANICAL DRAWINGS by E&M Engineering

M0-0	Mechanical Legend & Drawing List	2025/01/08
M1-0	Auditorium HVAC System Layout – Demo – Ground Floor	2025/01/08
M2-0	Auditorium HVAC System Layout – New – Ground Floor	2025/01/08
M3-0	Specification	2025/01/08
M3-1	Specification	2025/01/08

ELECTRICAL DRAWINGS by E&M Engineering

E0-0	Electrical Legend & Drawing List	2025/01/08
E1-0	Electrical – Basement Part Plan	2025/01/08
E2-0	Electrical – Ground Floor Part Plan	2025/01/08
E3-0	Electrical Schedules	2025/01/08
E4-0	Specification	2025/01/08
E4-1	Specification	2025/01/08

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PART 1 - GENERAL

1.1 **GENERAL REQUIREMENTS**

- 1.1.1 The General Conditions and Supplementary General Conditions, and all other requirements of Divisions 00 and 01, shall apply to this Section of the Work.

1.2 **SUMMARY**

- 1.2.1 Includes But Not Limited To:
1. Furnish and install resilient tile flooring as described in Contract Documents.

1.3 **REFERENCED STANDARDS**

- 1.3.1 ASTM International:
1. ASTM E 648 Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source
 2. ASTM E 662 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials
 3. ASTM F 710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
 4. ASTM F 1066 Standard Specification for Vinyl Composition Tile
 5. ASTM F 1482, Standard Guide to Wood Underlayment Products Available for Use Under Resilient Flooring
 6. ASTM F 1861 Standard Specification for Resilient Wall Base
 7. ASTM F 1869 Standard Test Method for Measuring Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
 8. ASTM F 2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes
- 1.3.2 National Fire Protection Association (NFPA):
1. NFPA 253 Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source
 2. NFPA 258 Standard Test Method for Measuring the Smoke Generated by Solid Materials
- 1.3.3 Canadian Standards
1. CAN/ULC-S102.2 Surface Burning Characteristics of Flooring, Floor Covering and Miscellaneous Materials and Assemblies

1.4 **SYSTEM DESCRIPTION**

- 1.4.1 Performance Requirements: Provide flooring which has been manufactured, fabricated, and installed to performance criteria certified by manufacturer without defects, damage, or failure.
- 1.4.2 Administrative Requirements
1. Pre-installation Testing: Conduct pre-installation testing as follows: bond test.
- 1.4.3 Sequencing and Scheduling
1. Install flooring and accessories after the other finishing operations, including painting, have been completed. Close spaces to traffic during the installation of the flooring.
 2. Do not install flooring over concrete slabs until they are sufficiently dry to achieve a bond with the adhesive, in accordance with the manufacturer's recommended bond, moisture tests and pH test.

1.5 **SUBMITTALS**

- 1.5.1 Product Data:
1. Manufacturer's literature or cut sheet on each component of system.
 2. Maintenance instructions.
 3. Color and style selection.

1.6 QUALITY ASSURANCE

- 1.6.1 Single-Source Responsibility: provide types of flooring and accessories supplied by one manufacturer, including moisture mitigation systems, primers, leveling and patching compounds, and adhesives.
- 1.6.2 Installer to be experienced and competent in the installation of resilient vinyl composition tile flooring and the use of the specified flooring subfloor preparation products.
- 1.6.3 Fire Performance Characteristics: Provide resilient vinyl composition tile flooring with the following fire performance characteristics as determined by testing material in accordance with ASTM test methods indicated below by a certified testing laboratory or other testing agency acceptable to authorities having jurisdiction:
 - 1. ASTM E 648 Critical Radiant Flux of 0.45 watts per sq. cm. or greater, Class I
 - 2. ASTM E 662 (Smoke Generation) Maximum Specific Optical Density of 450 or less
 - 3. CAN/ULC-S102.2 – Flame Spread Rating and Smoke Developed – Results as tested.

1.7 DELIVERY, STORAGE AND HANDLING

- 1.7.1 Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- 1.7.2 Deliver materials in good condition to the jobsite in the manufacturer's original unopened containers that bear the name and brand of the manufacturer, project identification, and shipping and handling instructions.
- 1.7.3 Store materials in a clean, dry, enclosed space off the ground, protected from harmful weather conditions and at temperature and humidity conditions recommended by the manufacturer. Protect adhesives from freezing. Store flooring, adhesives, and accessories in the spaces where they will be installed for at least 48 hours before beginning installation.

1.8 PROJECT CONDITIONS

- 1.8.1 Maintain a minimum temperature in the spaces to receive the flooring and accessories of 65° F (18° C) and a maximum temperature of [100° F (38° C)] for at least 48 hours before, during, and for not less than 48 hours after installation. Thereafter, maintain a minimum temperature of 55° F (13° C) in areas where work is completed. Protect all materials from the direct flow of heat from hot-air registers, radiators, or other heating fixtures and appliances. Refer to product installation recommendations for a complete guide on project conditions.

1.9 LIMITED WARRANTY

- 1.9.1 Resilient Flooring: Submit a written warranty executed by the manufacturer, agreeing to repair or replace resilient flooring that fails within the warranty period.
- 1.9.2 Limited Warranty Period: 20 years
- 1.9.3 Limited Warranty shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and will be in addition to and run concurrent with other warranties made by the Contractor under the requirements of the Contract Documents.

PART 2 – PRODUCTS

2.1 MATERIALS

2.1.1 Resilient Tile Flooring

1. Tile composed of polyvinyl chloride resin, plasticizers, fillers, stabilizers and pigments with colors and texture dispersed uniformly throughout its entire thickness.
2. Vinyl composition tile shall conform to the requirements of ASTM F 1066, "Standard Specification Vinyl Composition Floor Tile", Class 2, through-pattern
3. Size: 12 in. x 12 in. (305 mm x 305 mm)
4. Thickness: 1/8 in./0.125 in. (3.2 mm)
5. Example Product: Standard Excelon® Imperial® Texture Tile Flooring manufactured by Armstrong Flooring. Consultant to have final decision if product is equal.
6. Pattern and Color: Colour to be selected by Consultant from Manufacturer's complete colour line following Contractor submission of samples.

2.1.2 Adhesive: Water-resistant type. Best grade in accordance with Tile Manufacturer's recommendations for intended application.

2.2 ACCESSORIES

- 2.2.1 Patching, smooth and level subfloor with manufacturer recommended product.
- 2.2.5 Provide transition/reducing strips to provide level transition to meet abutting materials.
- 2.2.7 Provide resilient edge strips of equal gauge to the flooring, homogeneous vinyl, or rubber composition, tapered or bullnose edge, with color to match or contrast with the flooring, or as selected by the Architect from standard colors available.
- 2.2.8 Provide metal edge strips of required thickness to protect exposed edges of the flooring. Provide units of maximum available length to minimize the number of joints. Use butt-type metal edge strips for concealed anchorage or overlap-type metal edge strips for exposed anchorage. Unless otherwise shown, provide strips made of extruded aluminum with a mill finish.

PART 3 – EXECUTION

3.1 MANUFACTURER'S INSTRUCTIONS

- 3.1.1 Compliance: Comply with manufacturer's product data, including technical bulletins, product catalog, installation instructions, and product carton instructions for installation and maintenance procedures as needed.

3.2 EXAMINATION

- 3.2.1 Site Verification of Conditions: Verify substrate conditions (which have been previously installed under other sections) are acceptable for product installation in accordance with manufacturer's instructions (i.e., moisture tests, bond test, pH test, etc.).
- 3.2.2 Visually inspect flooring materials, adhesives, and accessories prior to installation. Flooring material with visual defects shall not be installed and shall not be considered as a legitimate claim.
- 3.2.3 Examine subfloors prior to installation to determine that surfaces are smooth and free from cracks, holes, ridges, and other defects that might prevent adhesive bond or impair durability or appearance of the flooring material.
- 3.2.4 Inspect subfloors prior to installation to determine that surfaces are free from curing, sealing, parting and hardening compounds; residual adhesives; adhesive removers; and other foreign materials that might prevent adhesive bond. Visually inspect for evidence of moisture, alkaline salts, carbonation, dusting, mold, or mildew.
- 3.2.5 Report conditions contrary to contract requirements that would prevent a proper installation. Do not proceed with the installation until unsatisfactory conditions have been corrected.
- 3.2.6 Failure to call attention to defects or imperfections will be construed as acceptance and approval of the subfloor. Installation indicates acceptance of substrates regarding conditions existing at the time of installation.

3.3 PREPARATION

- 3.3.1 Subfloor Preparation: Smooth concrete surfaces, removing rough areas, projections, ridges, and bumps, and filling low spots, control or construction joints, and other defects as recommended by the flooring manufacturer.
- 3.3.2 Subfloor Preparation Moisture Mitigation: Smooth concrete surfaces, removing rough areas, projections, ridges, and bumps, and filling low spots, control or construction joints, mitigate moisture and other defects as recommended by the flooring manufacturer.
- 3.3.3 Subfloor Cleaning: The surface shall be free of dust, solvents, varnish, paint, wax, oil, grease, sealers, release agents, curing compounds, residual adhesive, adhesive removers, and other foreign materials that might affect the adhesion of resilient flooring to the concrete or cause a discoloration of the flooring from below. Remove residual adhesives as recommended by the flooring manufacturer. Remove curing and hardening compounds not compatible with the adhesives used, as indicated by a bond test or by the compound manufacturer's recommendations for flooring. Avoid organic solvents. Spray paints, permanent markers and other indelible ink markers must not be used to write on the back of the flooring material or used to mark the concrete slab as they could bleed through, telegraphing up to the surface and permanently staining the flooring material. If these contaminants are present on the substrate, they must be mechanically removed prior to the installation of the flooring material.

3.4 INSTALLATION OF FLOORING

- 3.4.1 Install flooring in strict accordance with manufacturer's recommendations.
- 3.4.2 Install flooring wall to wall before the installation of floor-set cabinets, casework, furniture, equipment, movable partitions, etc. Extend flooring into toe spaces, door recesses, closets, and similar openings as shown on the drawings.
- 3.4.3 If required, install flooring on pan-type floor access covers. Maintain continuity of color and pattern within pieces of flooring installed on these covers. Adhere flooring to the subfloor around covers and to covers.
- 3.4.4 Scribe, cut, and fit to permanent fixtures, columns, walls, partitions, pipes, outlets, and built-in furniture and cabinets.
- 3.4.5 Install flooring with adhesives, tools, and procedures in strict accordance with the manufacturer's written instructions. Observe the recommended adhesive trowel notching, open times, and working times.
- 3.4.6 Lay tile symmetrically about center line of spaces to insure even borders, unless shown differently on Drawings. Lay tile quarter-turned.
- 3.4.7 Install beveled edge stripping at terminal edges of tile except at ceramic tile, carpet, and where Drawings indicate different detail. Conceal edging strips beneath doors.

3.5 INSTALLATION OF ACCESSORIES

- 3.5.1 Apply top set wall base to walls, columns, casework, and other permanent fixtures in areas where top-set base is required. Install base in lengths if practical, with inside corners fabricated from base materials that are mitered or coped. Tightly bond base to vertical substrate with continuous contact at horizontal and vertical surfaces.
- 3.5.2 Fill voids with plastic filler along the top edge of the resilient wall base or integral cove cap on masonry surfaces or other similar irregular substrates.
- 3.5.3 Place resilient edge strips tightly butted to flooring, and secure with adhesive recommended by the edge strip manufacturer. Install edge strips at edges of flooring that would otherwise be exposed.
- 3.5.4 Apply butt-type metal edge strips where adjacent to existing flooring to provide continuous level transition. Secure units to the substrate, complying with the edge strip manufacturer's recommendations.

3.6 CLEANING

- 3.6.1 Perform initial and on-going maintenance according to manufacturer's recommendations.

3.7 PROTECTION

- 3.7.1 Protect installed flooring as recommended by the flooring manufacturer against damage from rolling loads, other trades, or the placement of fixtures and furnishings.

- END OF SECTION -

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1.1 GENERAL REQUIREMENTS

1.1.1 Division 1, General Requirements is part of this Section and applies as if repeated here.

1.2 SPECIAL PRECAUTIONS

1.4.1 Immediately after using, immerse and store used wiping cloths in water and remove from site each night after operation. Take every precaution to prevent spontaneous combustion.

PART 2 - PRODUCTS

2.1 MATERIALS

2.1.1 Cleaner: interior/exterior, 2-in-1 cleaner and etcher formulated to prepare the surface prior to coating. Designed to clean and etch bare concrete surfaces to improve penetration and adhesion of sealer. Biodegradable and easy water clean-up that will remove grease, oil, auto fluids, rust red clay, and other stains from concrete surfaces. Example Product: "Premium Concrete & Masonry Cleaner & Etcher No. 991" as manufactured by BEHR Process Corporation 3400 W. Segerstrom Avenue Santa Ana, California

2.1.2 Stripper: Biodegradable capable of removing multiple layers of coatings on vertical and horizontal surfaces. Formulated to strip stains, epoxies, urethanes, elastomers, alkyds, sealants and most industrial and architectural coatings. Designed for interior & exterior concrete surfaces. Example Product: "Premium Concrete & Masonry Paint Stripper No. 992", as manufactured by BEHR Process Corporation, 3400 W. Segerstrom Avenue, Santa Ana, California

2.1.3 Sealer:

2.1.3.1 Concrete/masonry sealers shall be low-VOC or no-VOC and meet one of the certification requirements in section 01611. Where certified products do not exist, the maximum VOC content permitted shall be 100 g/L or less.

2.1.3.2 Clear, non-yellowing, high solids, acrylic-based masonry sealer. Low gloss finish. Use for areas with indicated to receive clear sealed concrete on the Room Finish Schedule. Apply these products in the later stages of construction as a sealer only, not as a curing-sealing compound. Example Product: 'Low-Lustre Sealer No. 986 Low-Gloss', as manufactured by BEHR Process Corporation, 3400 W. Segerstrom Avenue Santa Ana, California

2.1.4 Cleaner, Thinners and Accessories: Type recommended by sealant manufacturer, to suit each specific condition encountered on this project.

PART 3 - EXECUTION

3.1 EXAMINATION

3.1.1 Before commencing with the work, examine floors to be sealed, and verify compatibility between curing sealing agent if one was used to seal floors and final concrete sealer applied under work of this Section. Sandblast, acid etch, lightly grind, whichever is required to prepare floors to ensure bonding if curing-sealing agent has been used to cure concrete.

3.1.2 Confirm with General Contractor that new concrete has been cured for a minimum of 30 days.

3.1.3 Test concrete to ensure moisture and chemical conditions are satisfactory for application.

3.2 PREPARATION

- 3.2.1 Prepare concrete surfaces in accordance with sealer manufacturer's recommendations. Do not use wheelabrator method. Clean concrete of any dirt, dust, oil, grease, stains, paint, or other contamination detrimental to the bond of sealer and final appearance.
- 3.2.2 Clean (and etch) the surface with cleaner. Follow all manufacturers' labelled instructions.
- 3.2.3 For existing areas scrape and remove any loose or peeling coating using stripper. Follow all manufacturers' labelled instructions.
- 3.2.4 Apply sealer in dust-free conditions suitable for achieving good results. Apply sealer in 2 coats in strict accordance with manufacturer's printed directions. Apply sealer to present uniformly-coloured surfaces, free from runs, bubbles, brush marks, crawls, dirt or dust particles, or other defects detrimental to appearance or performance.

3.3 SEALER APPLICATION

- 3.3.1 DO NOT THIN. Stir or shake before applying.
- 3.3.2 Use product when the surface and air temperatures are between 50-80°F (10-27°C). Do not apply in direct sunlight. Do not apply to wet surfaces or if rain or heavy dew is expected within 24 hours.
- 3.3.3 Apply a thin coat using a nylon/polyester brush, 1/4" - 3/8" nap roller, high quality pad applicator or a high quality pump sprayer with an adjustable tip at a spread rate of 200-450 sq. ft. (19-42 m²) per gallon. Spread rate is highly dependent on surface roughness and porosity. If sprayed, backroll for uniform thickness.
- 3.3.4 Allow first coat to dry 4 hours, then apply a second coat at a spread rate of 350-700 sq. ft. (33-65 m²) per gallon. Additional coats (no more than 4) to be added for a higher gloss and added protection.
- 3.3.5 CAUTION: Sealed surfaces to become slippery when wet. Use caution when walking on surface when moisture is present. Apply in sections so wet material does not have to be walked on during application

3.4 DRY TIME

- 3.4.1 Product to dry to touch in 1 hour. (Longer dry time required in cooler temperatures and in higher humidity).
- 3.4.2 Floors to be subjected to light foot traffic after 24 hours.
- 3.4.3 Allow 72 hours before repositioning furniture or subjecting surface to heavy foot or automotive traffic.
- 3.4.4 Park tires on corrugated cardboard for 14 days after applying product.
- 3.4.5 Wait at least 30 days before cleaning with a mild, non-abrasive liquid detergent.

3.5 CLEANING

- 3.5.1 Clean using soap and water.
- 3.5.2 Properly dispose of all soiled rags and protect unused product from freezing.
- 3.5.3 Properly dispose of all empty containers and unused paint, in accordance with local jurisdictional requirements.

- END OF SECTION -

HWDSB - DALEWOOD ELEMENTARY SCHOOL - STAGE LIFT

1150 MAIN STREET WEST, HAMILTON, ON, L8S 1C2

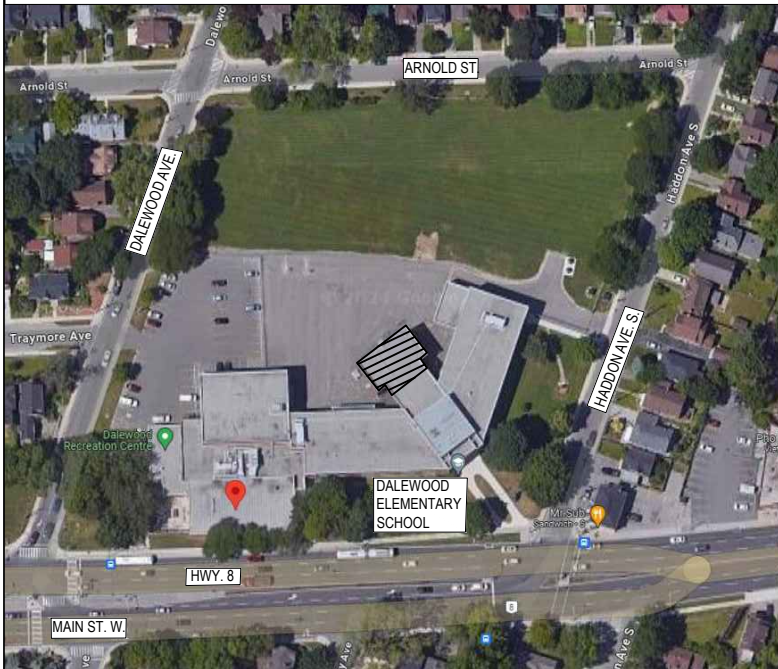
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KEYPLAN

SCALE = NTS

3
A0.01

	ROOM TAG		ELEVATION MARKER
	WALL TAG		INTERIOR ELEVATION MARKER
	NOTE TAG		BUILDING SECTION MARKER
	DOOR TAG		DETAIL BUBBLE
	SCREEN TAG		ELEV MARK - SECTION
	WINDOW TAG		ELEV MARK - PLAN
	GRID BUBBLE & GRIDLINE		DETAIL TITLE
	GRID BUBBLE & GRIDLINE - JOG		DETAIL DWG
	BAYLINE BUBBLE & GRIDLINE		SCALE = 1:3000
	CEILING TAG		FIRE RESISTANCE RATING
	REVISION TAG		
	BREAKLINE		
	AIR TIGHTNESS MEMBRANE		
	DIM		
	NOTE		

SYMBOL LEGEND

SCALE = NTS

2
A0.01

BARRIER FREE LIFT SPECIFICATIONS

GENERAL

HOISTWAY — THE HOISTWAY MUST BE DESIGNED AND BUILT IN ACCORDANCE WITH "LIFTS FOR PERSONS WITH PHYSICAL DISABILITIES" OR "PRIVATE RESIDENCES LIFTS FOR PERSONS WITH PHYSICAL DISABILITIES" AND ALL PROVINCIALS AND LOCAL CODES.

PLUMB RUNWAY — ENSURE THAT HOISTWAY AND PIT ARE LEVEL, PLUMB (+/- 1/8" (3 mm)) AND SQUARE AND ARE IN ACCORDANCE WITH THE DIMENSIONS ON THESE DRAWINGS.

MINIMUM OVERHEAD CLEARANCE— ENSURE MINIMUM OVERHEAD CLEARANCE IS IN COMPLIANCE WITH CODES.

CONSTRUCTION SITE— PROVIDE ALL MASONRY, CARPENTRY AND DRYWALL WORK AS REQUIRED AND SHALL PATCH AND MAKE GOOD (INCLUDING FINISH PAINTING) ALL AREAS WHERE WALLS/FLOORS MAY REQUIRE TO BE CUT, DRILLED OR ALTERED IN ANY WAY TO PERMIT THE PROPER INSTALLATION OF THE LIFT.

DIMENSIONS— VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO OUR OFFICE IMMEDIATELY.

ENTRANCES

UPPER LANDING GATES— SMOOTH SOLID BARRIERS ARE TO BE SUPPLIED AND INSTALLED ON BOTH SIDES OF ENTRANCE AT UPPER LEVEL AND MUST BE A MINIMUM OF 42" (1070 mm) HIGH. ENTRANCE ASSEMBLY MUST BE IN PLACE PRIOR TO THIS PROVISION.

FASCIA PANEL BELOW UPPER LEVEL ENTRANCE— FASCIA PANEL MUST BE FASTENED TO A SOLID WALL AND BE PERPENDICULAR TO THE FLOOR AND WALLS. HOISTWAY FASCIA IS NOT SELF-SUPPORTING FOR LONG, CONTINUOUS RUNS VOID OF ENTRANCES. ADEQUATE SUPPORT FOR THE FASCIA MUST BE PROVIDED.

ENTRANCE ASSEMBLIES— ENTRANCE ASSEMBLIES MUST BE ADJUSTED TO ALIGN WITH PLATFORM AND INTERLOCK EQUIPMENT. OTHERS TO ALLOW AN ADEQUATE ROUGH OPENING.

NOTE:

SHOP DRAWING REQUIREMENTS— PRIOR TO FABRICATION CONTRACTOR TO PROVIDE ENGINEER STAMPED SHOP DRAWINGS FOR THE BARRIER FREE LIFT AND LIFT ENCLOSURE. SHOP DRAWINGS MUST DEMONSTRATE COMPLIANCE WITH THE REQUIREMENTS OF O.B.C. 3.3.1.17

GENERAL

CLASSIFICATION: ENCLOSED VERTICAL WHEELCHAIR PLATFORM LIFT
APPLIED CODE: CAN/CSA-B355-19
SPECIAL NOTE:
CAPACITY: 750 LBS (341 KG)
NOMINAL SPEED: 16 FPM (0.081 M/S)
TRAVEL: ±1080MM (VERIFY ON SITE PRIOR TO FABRICATION)
PIT DEPTH: 75MM (3")
PLATFORM SIZE: 1070MM X 1524MM (42" X 60")
POWER SUPPLY: 120V,20A,60HZ,SINGLE PHASE
BATTERY BACK UP: DOWN DIRECTION ONLY

JACK UNIT

STROKE: 610MM (24")
PLUNGER O/D: 38MM (1.5")
CYL. O/D: 54MM (2.125")
CYL. I/D: 44MM (1.75")

CONTROLLER

TYPE: CPFS
QPS #: LR1390-7R4
AMP: 100A

POWER UNIT

MOTOR: 1.5 HP, 120V AC
FLOW: 1.15 GAL/MIN (4.35L/MIN)

CAB FINISH

STEEL W/ PAINT

HYDRAULIC DATA

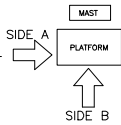
OIL TYPE: UNIVIS 32 INDOOR
GALLONS REQ'D: 1.0 GAL (3.79 L)
MAXIMUM WORKING PRESSURE: 2500 PSI (17.2 MPA)
RELIEF PRESSURE: WP X 125% MAX.
MAXIMUM RELIEF PRESSURE: 2500 PSI (17.2 MPA)
HYDRAULIC HOSE: 1/4" (6.4MM) ID
BURST: 20000 PSI (137.9 MPA)
FITTINGS: 1/4" (6.4MM) NPT MALE

SUSPENSION CHAIN

2X #50 ROLLER CHAIN 7171 LBS (31.9 KN) EACH
BREAKING STRENGTH:
SAFETY BRAKE: TYPE "A"

▷ DOORS / GATES / CALL STATIONS ◀

LANDING 1		LANDING 2	
ENCLOSURE 80" DOOR	42" GATE		
ENTRANCE SIDE	A		
DOOR SWING	RH		LH
DOOR INSERT	LAMINATED GLASS		LAMINATED GLASS
LOCK TYPE	PER MANUFACTURER		PER MANUFACTURER
AUTO DOOR OPENER	NONE		NONE
CUSTOM DOOR WIDTH			
CUSTOM DOOR HEIGHT			
IN FRAME CALL STN.	YES		YES
CALL STN. TYPE	CALL ONLY PUSH BUTTON		CALL ONLY PUSH BUTTON
CALL STN. KEYED	OFF POS. REMOVEABLE		OFF POS. REMOVEABLE
CALL STN. STOP BUTTON	NO		NO
CALL STN. MOUNTING	FLUSH MOUNTED IN FRAME		FLUSH MOUNTED IN FRAME
INSULATED PRODOOR KIT	NO		NO



OPTIONS PROVIDED

EMERGENCY PENDENT PLUG IN MANUAL LOWERING BOX

WINGS:	NO	RAMP:	NO
TOUCH UP PAINT:	1 CAN	EXTRA KEYS:	10
BUILDING:	PUBLIC SCHOOL	WALL FASTENERS:	LAG
LIGHT CURTAIN:	NO	UNDERPAN SENSOR:	NO
PHONE OR PHONE PLUG:	HANDS FREE PHONE	UNIT COLOUR:	POWDER COAT — GLOSS BLACK
FLOOD SWITCH:	NO	FLOOR:	ANTI SKID PAINT — GREY
REMOTE MACHINE ROOM:	NOT REQUIRED	FOLD SEAT:	NO
LOCATION:	INDOOR		

(BASIS OF DESIGN — SAVARIA V—1504)

GENERAL NOTES

- ALL CONSTRUCTION TO MEET CURRENT ONTARIO BUILDING CODE REQUIREMENTS.
- ENSURE THAT ALL CONSTRUCTION, MATERIALS, METHODS OF INSTALLATION AND TEMPORARY FACILITIES CONFORM WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
- INSPECT SITE CONDITIONS AND SITE VERIFY ALL DIMENSIONS PRIOR TO COMMENCING THE WORK AND REPORT ANY DISCREPANCIES TO THE CONSULTANT.
- ALL CONTEMPLATED DEVIATIONS FROM THE DOCUMENTS ARE TO BE REPORTED TO THE CONSULTANT FOR REVIEW AND APPROVAL PRIOR TO MAKING CHANGES.
- PATCH, REPAIR AND MAKE GOOD ALL MATERIALS AND FINISHES WHERE DISTURBED AND WHERE ALTERATIONS OCCUR WHETHER SHOWN ON DRAWINGS OR NOT, SO THAT ALL SURFACES WHEN COMPLETE RESEMBLE A NEW INSTALLATION.
- PROVIDE CUTTING, PATCHING, AND REMEDIAL WORK IN ORDER TO ENSURE ALL PARTS OF THE WORK COME TOGETHER AS SHOWN IN THE DOCUMENTS.
- ASSUME ALL WORK SHOWN ON DRAWINGS IS 'NEW' AND 'IN CONTRACT' UNLESS EXPLICITLY NOTED AS 'EXISTING' 'EXST.' ('E') OR 'EXISTING TO REMAIN'.
- ANY VARIANCES MADE ON SITE WHICH DIFFER FROM THE DOCUMENTATION MUST BE APPROVED BY THE CONSULTANT PRIOR TO BEING CHANGED. ALL VARIANCES FROM THE DOCUMENTS TO BE DOCUMENTED BY THE CONTRACTOR.

GENERAL NOTES

SCALE = NTS

1
A0.01

Name of Practice:
INVIZIJ ARCHITECTS INC.
185 YOUNG STREET, HAMILTON, ON,
905-525-9000

Name of Project:
HWDSB - DALEWOOD ELEMENTARY SCHOOL -- STAGE REPLACEMENT AND B.F. LIFT

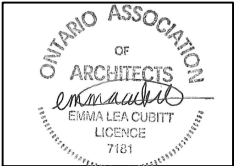
Location:
1150 MAIN STREET WEST, HAMILTON, ON, L8S 1C2

Date:

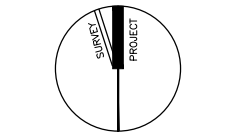
Ontario Building Code Data Matrix Part 11 – Renovation of Existing Building				Building Code Reference ¹
11.00	Building Code Version:	O. Reg. 332/12	Last Amendment	O. Reg. 191/14
11.01	Project Type:	☐ Addition ☒ Renovation ☐ Addition and renovation ☐ Change of use	Description: Replacement of existing stage including new stair and B.F. lift	[A] 1.1.2
11.02	Major Occupancy Classification:	Occupancy Use Group A Division 2 Elementary School		3.1.2.1.(1)
11.03	Superimposed Major Occupancies:	☒ No ☐ Yes Description:		3.2.2.7.
11.04	Building Area (m ²)	Description: Existing New Total Ground Floor 4322m ² 0 0 Second Floor 1870m ² 0 0 Basement 534m ² 0 0 0 0 0 Total 6726m ² 0 0		[A] 1.4.1.2.
11.05	Building Height	2 Storeys above grade 7.01 (m) Above grade 1 Storeys below grade		[A] 1.4.1.2. & 3.2.1.1.
11.06	Number of Streets/ Firefighter access	3 street(s)		3.2.2.10. & 3.2.5.
11.07	Building Size	☐ Small ☐ Medium ☒ Large ☐ > Large		T.11.2.1.1.B.-N.
11.08	Existing Building Classification:	Change in Major Occupancy: ☐ Yes ☒ Not Applicable (no change of major occupancy) Construction Index: 0 Hazard Index: 0 Importance Category: ☐ Low ☐ Normal ☐ Post-disaster ☐ High		11.2.1.1. T 11.2.1.1A T 11.2.1.1B to N 4.2.1.(3), 5.2.2.1.(2)
11.09	Renovation type:	☒ Basic Renovation ☐ Extensive Renovation		11.3.3.1. 11.3.3.2
11.10	Occupant Load	Floor Level/Area Occupancy Type Based On Occupant Load (Persons) NO CHANGE 0 0 0 0 0 0 0		3.1.17.
11.11	Plumbing Fixture Requirements	Note: NO CHANGE TO EXISTING Floor Level/Area Occupant Load OBC Reference Fixtures Required Fixtures Provided 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		3.7.4.
11.12	Barrier-free Design:	x Yes New B.F. Lift included in stage replacement ☐ No		11.3.3.2.(2)
11.13	Reduction in Performance Level:	Structural: ☒ No ☐ Yes By Increase in occupant load: ☒ No ☐ Yes By change of major occupancy: ☒ No ☐ Yes Plumbing: ☒ No ☐ Yes Sewage-systems: ☒ No ☐ Yes Extension of combustible construction: ☒ No ☐ Yes		11.4.2.1. 11.4.2.2. 11.4.2.3. 11.4.2.4. 11.4.2.5. 11.4.2.6.
11.14	Compensating Construction:	☒ No ☐ Yes Structural: ☒ No ☐ Yes (Describe) Increase in occupant load: ☒ No ☐ Yes (Describe) Change of major occupancy: ☒ No ☐ Yes (Describe) Plumbing: ☒ No ☐ Yes (Describe) Sewage systems: ☒ No ☐ Yes (Describe) Extension of combustible construction: ☒ No ☐ Yes (Describe)		11.4.3.1. 11.4.3.2. 11.4.3.3. 11.4.3.4. 11.4.3.5. 11.4.3.6. 11.4.3.7.
11.15	Compliance Alternatives Proposed:	☒ No ☐ Yes (list numbers and describe) (list numbers and describe) (list numbers and describe)		11.5.1.
11.16	Notes:			11.5.1.

Architects Inc.

185 YOUNG STREET,
HAMILTON, ON L89 1V9
T: 905 525 9000 | invizij.ca



H	REISSUED FOR TENDER	2025/02/06			
G	REISSUED FOR TENDER	2025/01/08			
D	TENDER	2024/10/04			
C	BUILDING PERMIT RE-SUBMISSION	2024/08/22			
B	BUILDING PERMIT	2024/06/28			
A	ISSUED FOR DESIGN DEVELOPMENT	2024/06/03			
REV.	DESCRIPTION	DATE (Y/M/D)			



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PROJECT NAME:
HWDSB — DALEWOOD
ELEMENTARY SCHOOL —
STAGE LIFT

PROJECT ADDRESS:

1150 MAIN STREET
WEST, HAMILTON, ON,
L8S 1C2

PROJECT NO.:

24—019

DRAWING TITLE:

COVER PAGE,
GENERAL NOTES,
ASSEMBLIES
& OBC MATRIX

PLOT DATE: 7-Feb-25

DRWN: DQ

CHKD: EC

DATE (Y/M/D): 2024/06/19

SCALE: N/A

DRAWING NO.:

A0.01



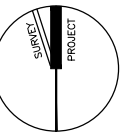
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Architects Inc.

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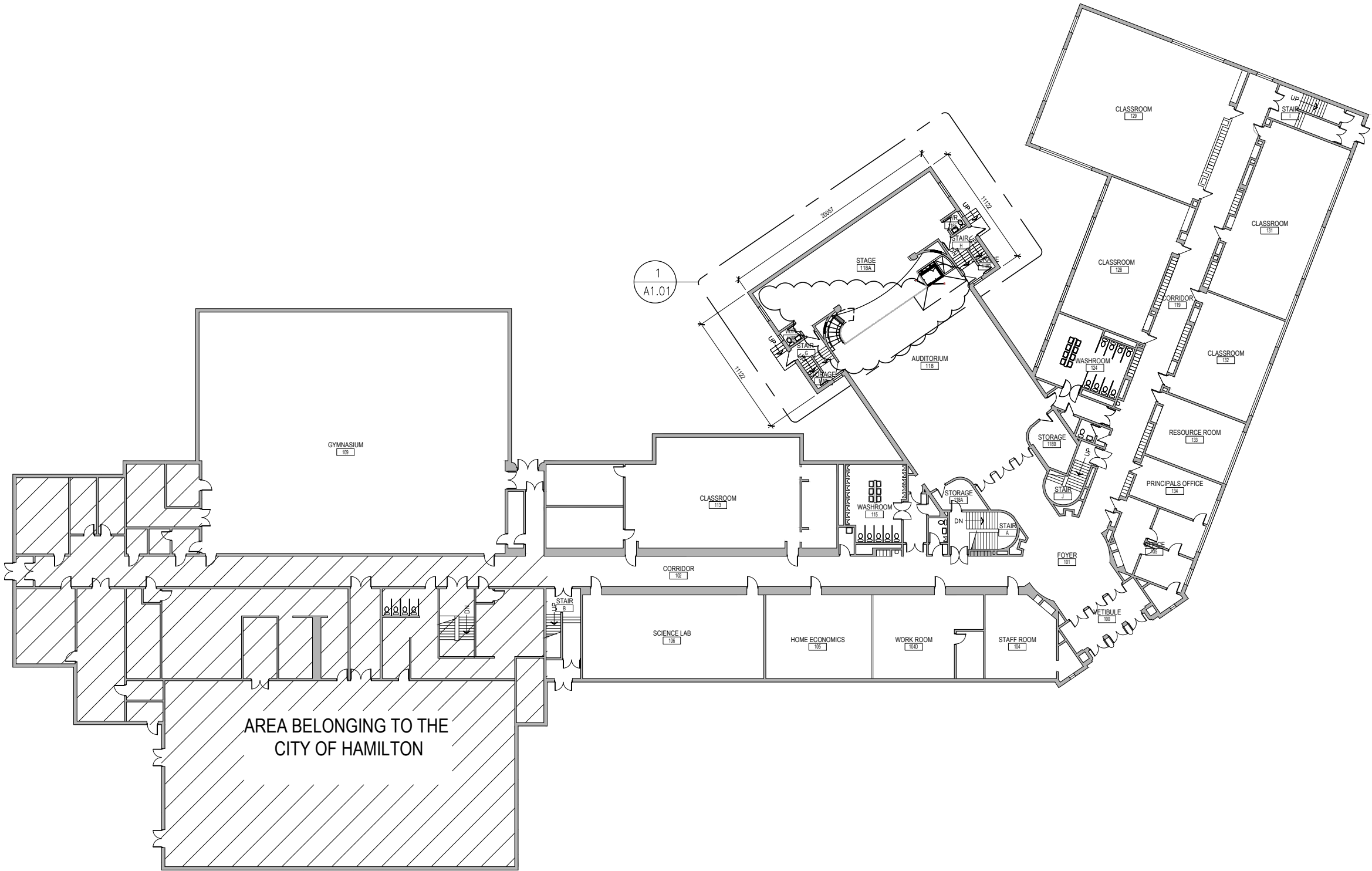


H	REISSUED FOR TENDER	2025/02/06
G	REISSUED FOR TENDER	2025/01/08
D	TENDER	2024/10/04
C	BUILDING PERMIT RE-SUBMISSION	2024/08/22
B	BUILDING PERMIT	2024/06/28
A	ISSUED FOR DESIGN DEVELOPMENT	2024/06/03
REV.	DESCRIPTION	DATE (Y/M/D)



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PROJECT NAME:	HWDSB – DALEWOOD ELEMENTARY SCHOOL – STAGE LIFT
PROJECT ADDRESS:	1150 MAIN STREET WEST, HAMILTON, ON, L8S 1C2
PROJECT NO.:	24-019
DRAWING TITLE:	GROUND FLOOR CONTEXT PLAN
PLOT DATE:	
DRWN.:	D.O.
CHKD.:	EC
DATE (Y/M/D):	2024/03/06
SCALE:	1:400
DRAWING NO.:	

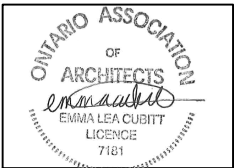


GROUND FLOOR - CONTEXT PLAN

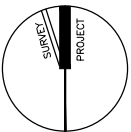
SCALE = 1:400

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A1.00

A1.00



REV.	DESCRIPTION	DATE (Y/M/D)
H	ISSUED FOR TENDER	2025/02/06
G	ISSUED FOR TENDER	2025/01/08
E	BUILDING PERMIT RE-SUBMISSION	2024/11/07
D	TENDER	2024/10/04
C	BUILDING PERMIT RE-SUBMISSION	2024/08/22
B	BUILDING PERMIT	2024/06/28
A	ISSUED FOR DESIGN DEVELOPMENT	2024/06/03



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PROJECT NAME:
HWDSB – DALEWOOD
ELEMENTARY SCHOOL –
STAGE LIFT

PROJECT ADDRESS:
1150 MAIN STREET
WEST, HAMILTON, ON,
L8S 1C2

PROJECT NO.:
24-019

DRAWING TITLE:
STAGE EXTENSION
FLOOR PLAN

PLOT DATE:

DRWN: D.Q.

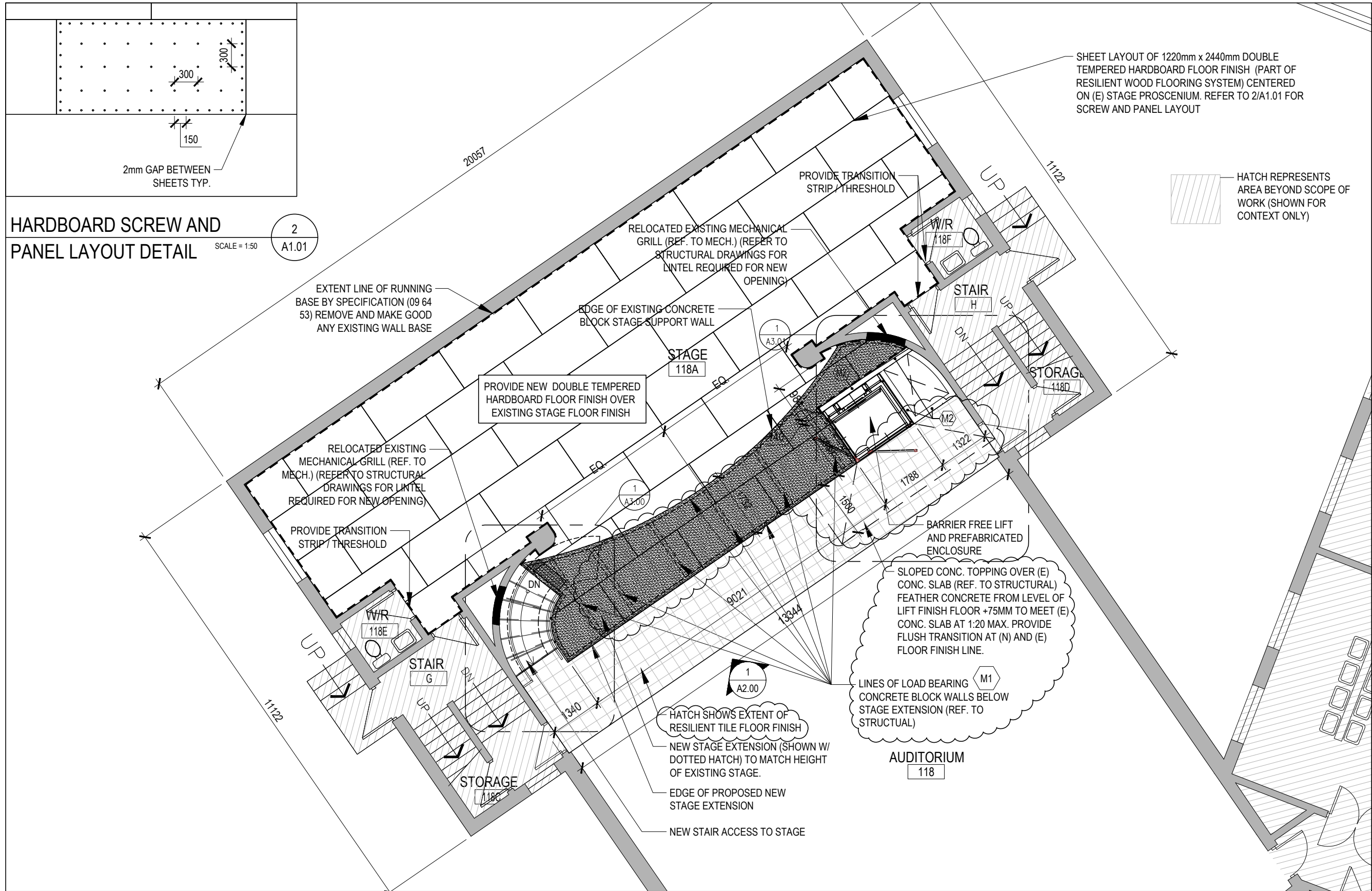
CHKD: E.C.

DATE (Y/M/D): 2024/06/05

SCALE: 1:100

DRAWING NO.:

A1.01

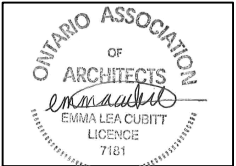


STAGE EXTENSION FLOOR PLAN

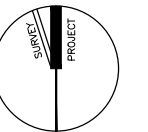
SCALE = 1:100

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A1.01



REV.	DESCRIPTION	DATE (Y/M/D)
H	ISSUED FOR TENDER	2025/02/06
G	ISSUED FOR TENDER	2025/01/08
E	BUILDING PERMIT RE-SUBMISSION	2024/11/07
D	TENDER	2024/10/04
C	BUILDING PERMIT RE-SUBMISSION	2024/08/22
B	BUILDING PERMIT	2024/06/28
A	ISSUED FOR DESIGN DEVELOPMENT	2024/06/03



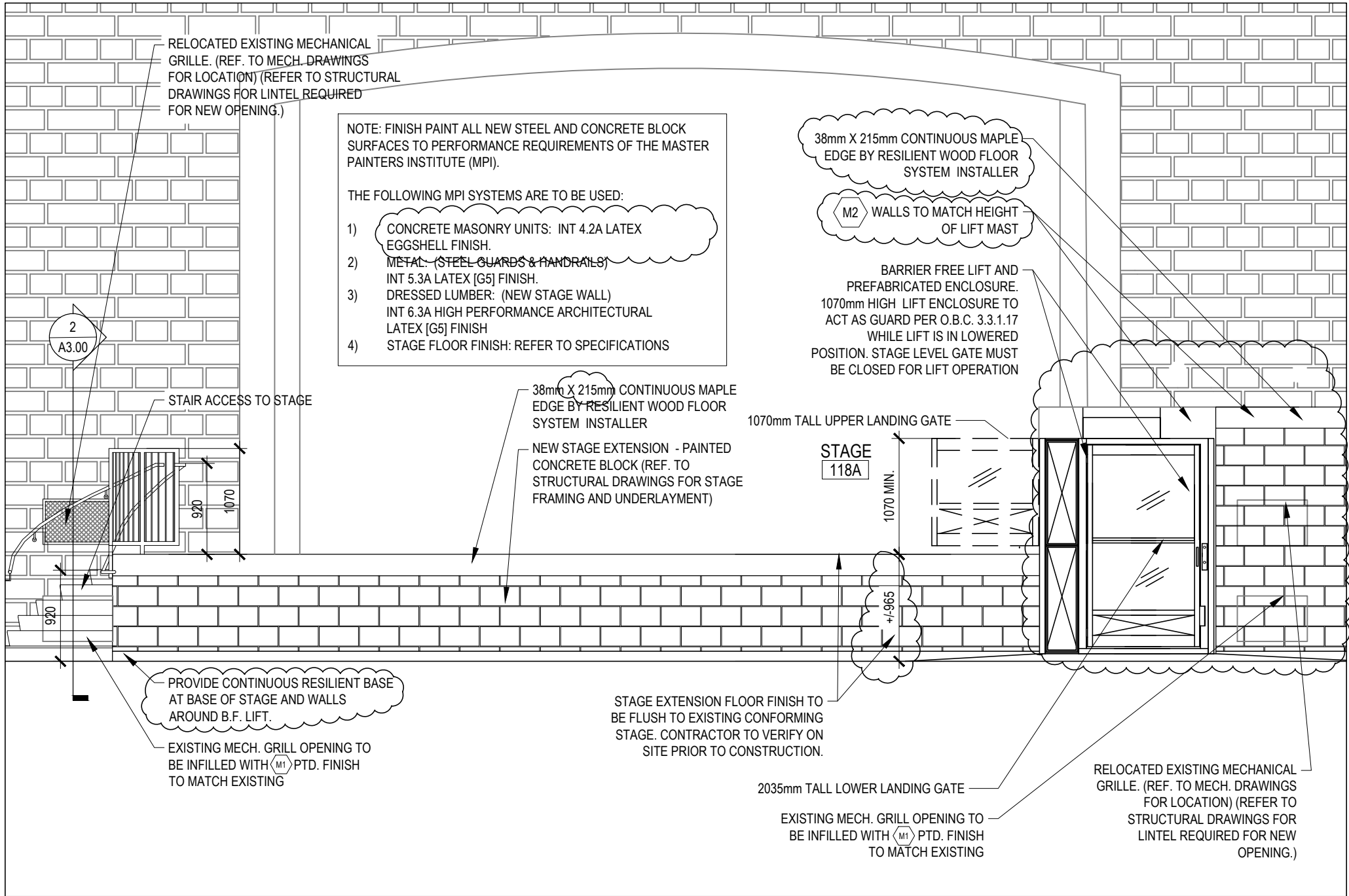
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PROJECT NAME:	HWDSB - DALEWOOD ELEMENTARY SCHOOL - STAGE LIFT
PROJECT ADDRESS:	1150 MAIN STREET WEST, HAMILTON, ON, L8S 1C2
PROJECT NO.:	24-019
DRAWING TITLE:	STAGE ELEVATION
PLOT DATE:	
DRWN.:	D.O.
CHKD.:	E.C.
DATE (Y/M/D):	2024/06/05
SCALE:	1:50
DRAWING NO.:	

A2.00

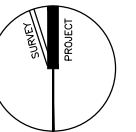


STAGE EXTENSION - ELEVATION

SCALE = 1:50

1
A2.00

H	REISSUED FOR TENDER	2025/02/06
G	REISSUED FOR TENDER	2025/01/08
F	BUILDING PERMIT RE-SUBMISSION	2024/12/17
E	BUILDING PERMIT RE-SUBMISSION	2024/11/07
D	TENDER	2024/10/04
C	BUILDING PERMIT RE-SUBMISSION	2024/08/22
B	BUILDING PERMIT	2024/06/28
A	ISSUED FOR DESIGN DEVELOPMENT	2024/05/31
EV.	DESCRIPTION	DATE (Y/M/D)



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PROJECT NAME:
HWDSB – DALEWOOD
ELEMENTARY SCHOOL –
STAGE LIFT

PROJECT ADDRESS:
1150 MAIN STREET
WEST, HAMILTON, ON,
L8S 1C2

PROJECT NO.:
24-019

DRAWING TITLE:

STAGE ACCESS
STAIR DETAILS

PLOT DATE: _____

DRWN.: D.Q.

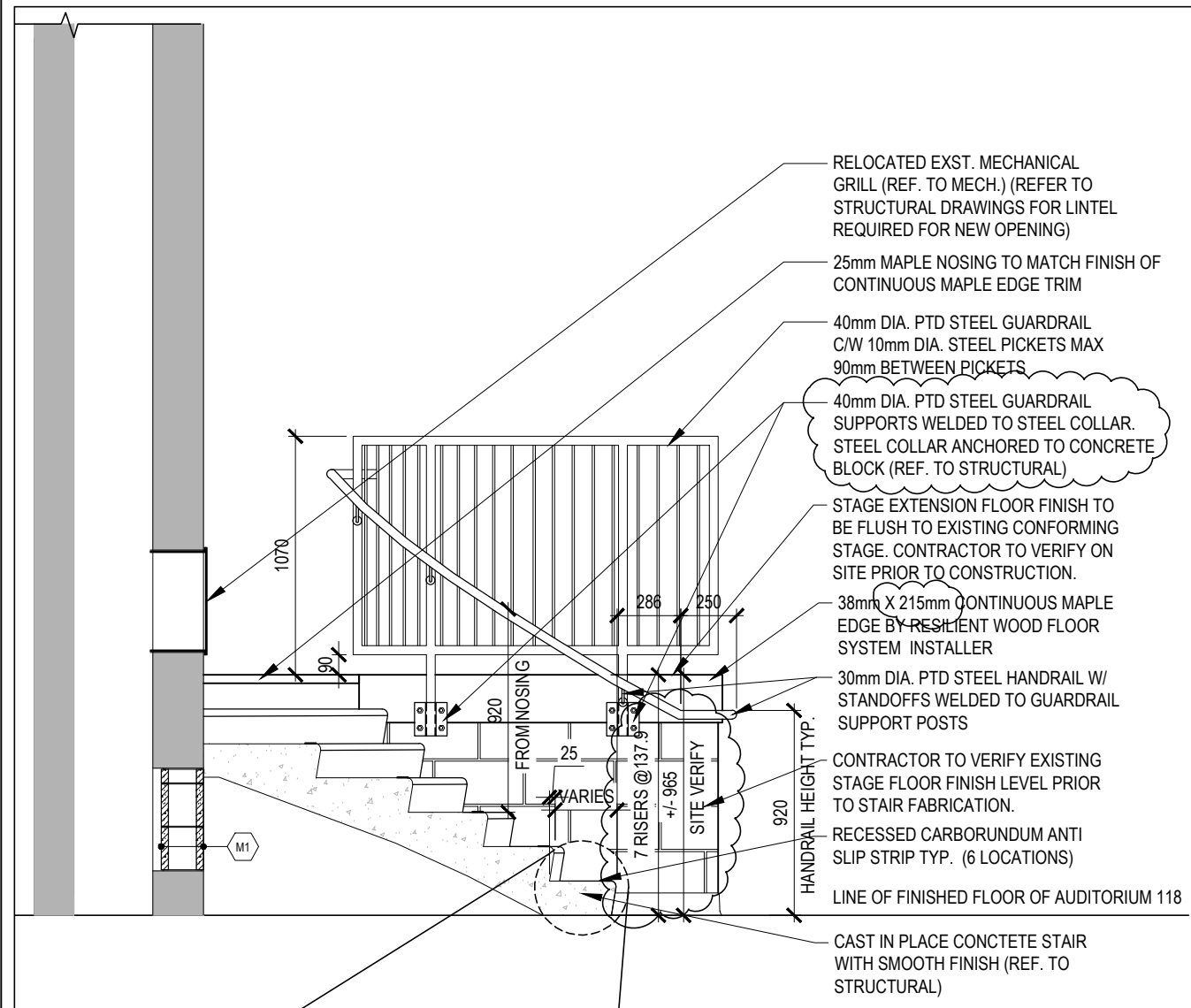
CHKD.:	E.C.
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DATE (Y/M/D): 2024/06/05

SCALE: AS NOTED

DRAWING NO.:

A3.00

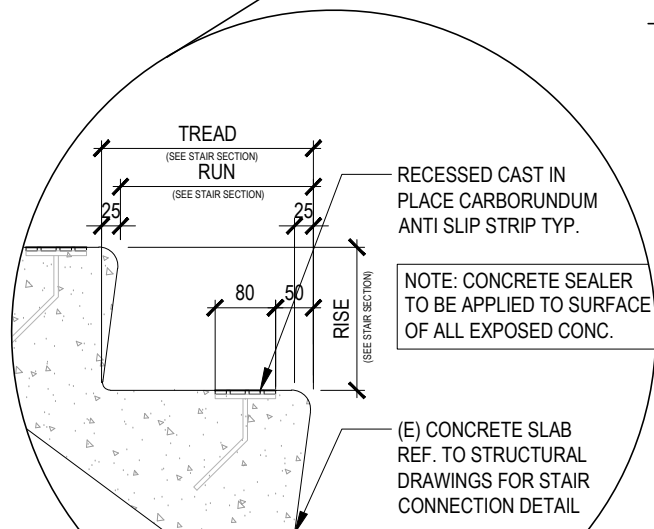


STAGE ACCESS STAIR - SECTION

SCALE = 1:30

2

A3 00

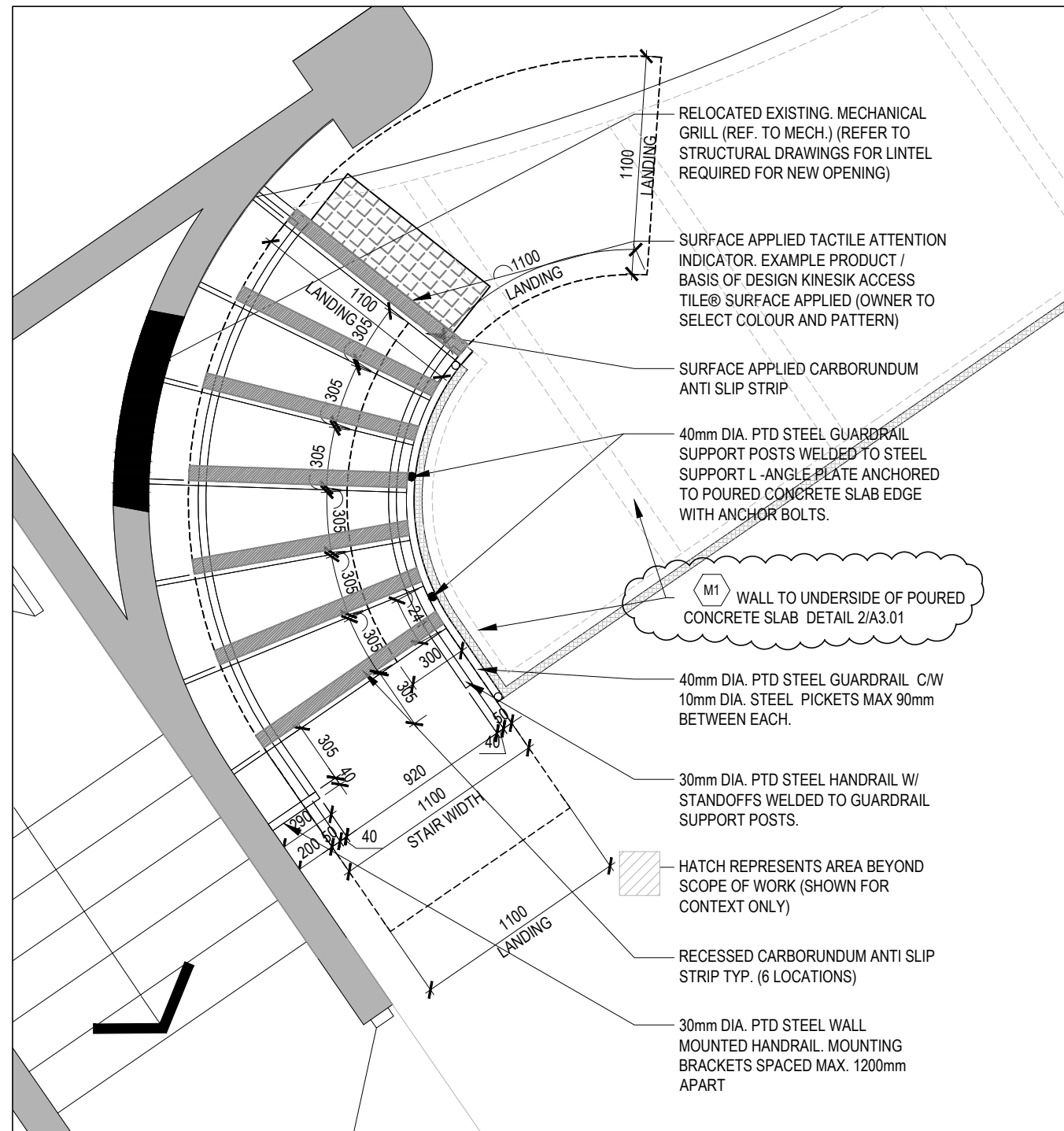


STAIR TREAD DETAIL

SCALE = N.T.S.

4

A3.00

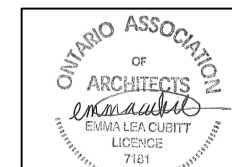


STAGE ACCESS STAIR - ENLARGED PLAN

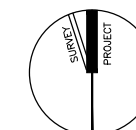
SCALE = 1:30

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A3.00



H	REISSUED FOR TENDER	2025/02/06
G	REISSUED FOR TENDER	2025/01/08
E	BUILDING PERMIT RE-SUBMISSION	2024/11/07
D	TENDER	2024/10/04
C	BUILDING PERMIT RE-SUBMISSION	2024/08/22
B	BUILDING PERMIT	2024/06/28
A	ISSUED FOR DESIGN DEVELOPMENT	2024/06/03
REV	DESCRIPTION	DATE (Y/M)



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PURPOSES UNLESS COUNTERSIGNED BY MUELLER ARCHITECTS, P.C.

PROJECT NAME:
HWDSB – DALEWOOD
ELEMENTARY SCHOOL –
STAGE 1/1T

PROJECT ADDRESS:
1150 MAIN STREET
WEST, HAMILTON, ON,
L8S 1C2

PROJECT NO.:
24-019

DRAWING TITLE:

STAGE ACCESS
B.F. LIFT DETAILS

PLOT DATE:

DRWN.: DO

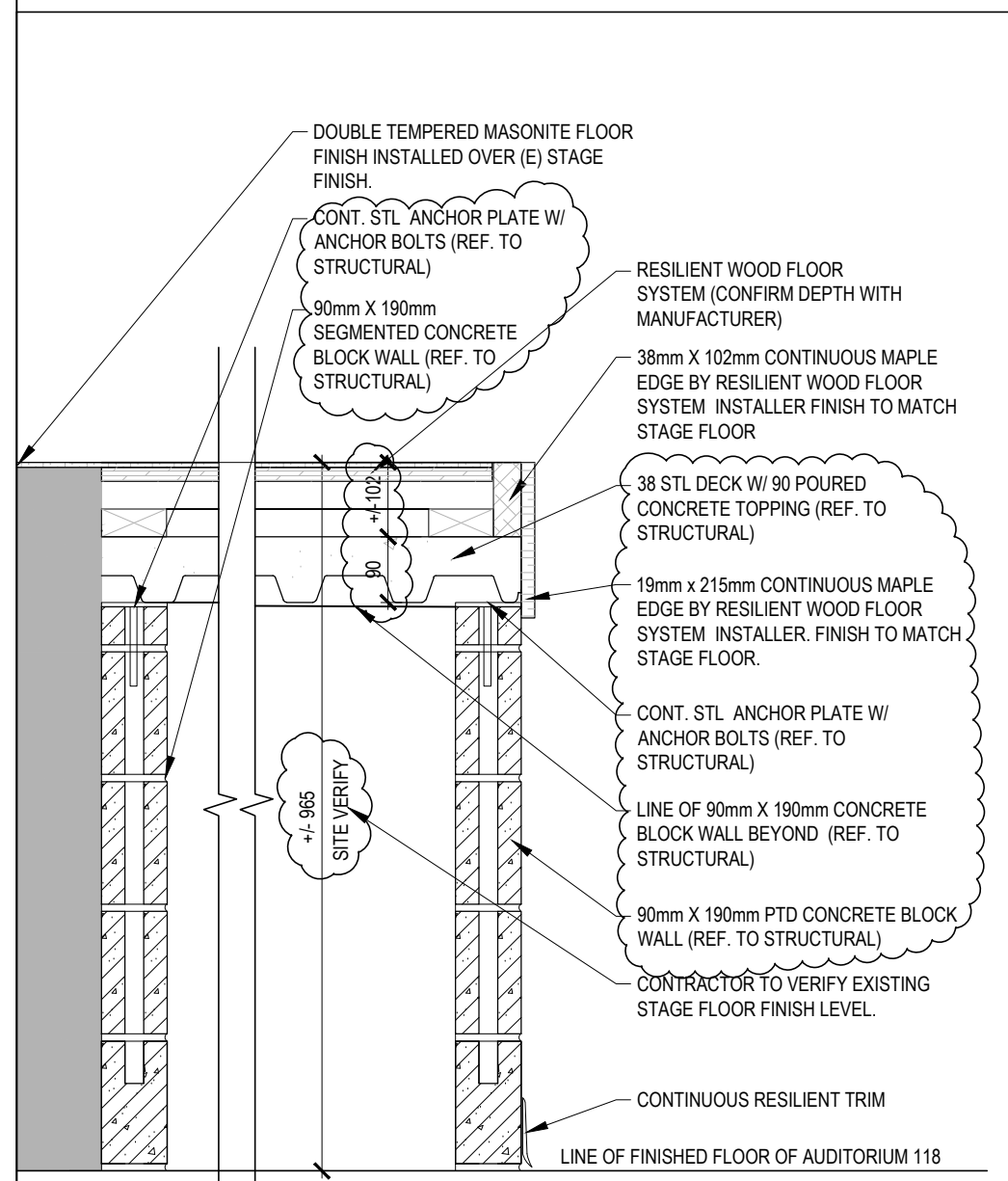
CHKD.:	FC
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DATE (Y/M/D): 2024/06/05

SCALE: 1-20

DRAWING NO.:

A3.01

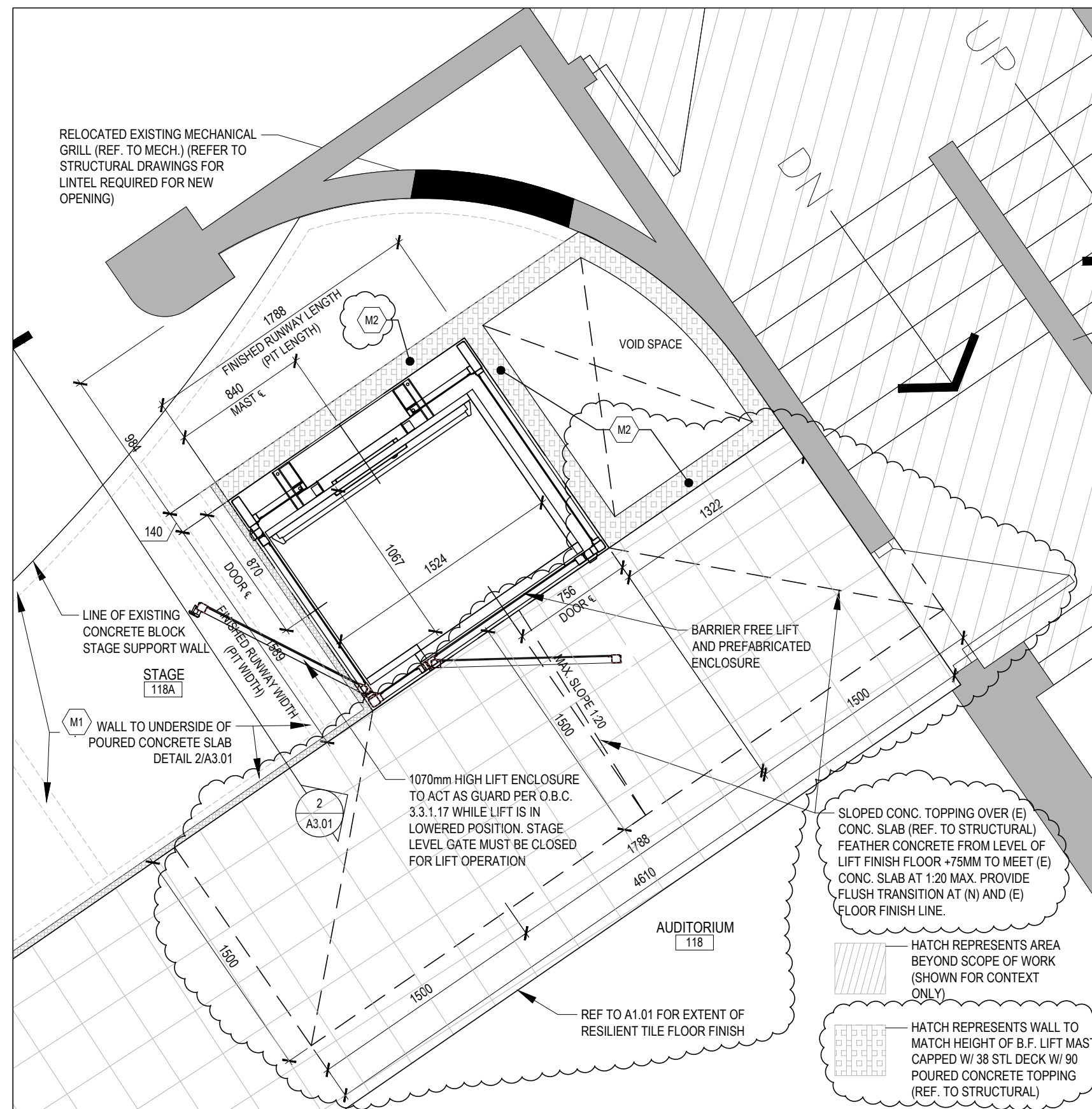


STAGE EDGE - SECTION DETAIL

SCALE = 1:10

2

A3.01



B.F. LIFT - ENLARGED PLAN

SCALE = 1:30

1

A3.01

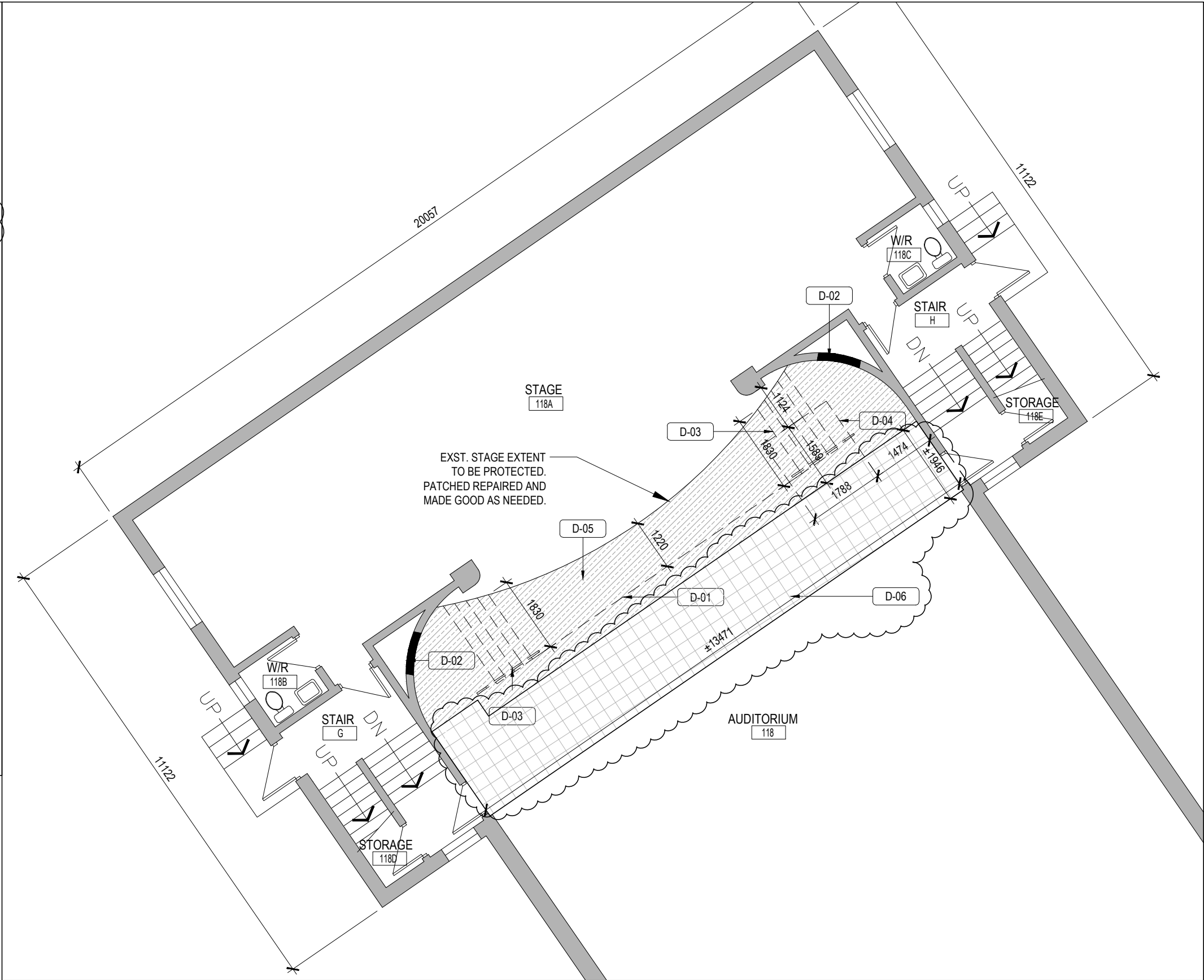
H	REISSUED FOR TENDER	2025/02/06
G	REISSUED FOR TENDER	2025/01/08
E	BUILDING PERMIT RE-SUBMISSION	2024/11/07
D	TENDER	2024/10/04
C	BUILDING PERMIT RE-SUBMISSION	2024/08/22
B	BUILDING PERMIT	2024/06/28
A	ISSUED FOR DESIGN DEVELOPMENT	2024/06/03
REV	DESCRIPTION	DATE / Y/M

DEMOLITION NOTES:

- D-01 DEMOLISH EXISTING WOOD STAGE STRUCTURE.
- D-02 MECH. GRILLE TO BE RELOCATED (REF. TO MECHANICAL)
- D-03 DEMOLISH EXISTING WOOD STAIR AND HANDRAIL.
- D-04 PROVIDE LEVEL SURFACE FOR PROPOSED LIFT PIT PER MANUFACTURER REQUIREMENTS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
- D-05 HATCH AREA DENOTES EXTENT OF (E) TILE FLOOR FINISH WHICH MUST BE DEMOLISHED IN PREPARATION FOR CONSTRUCTION OF NEW STAGE. REF. TO OWNER PROVIDED DESIGNATED SUBSTANCE SURVEY.
- D-06 DEMOLISH (E) FLOOR FINISH IN THIS AREA (REF. TO OWNER PROVIDED DESIGNATED SUBSTANCE SURVEY) AND PREPARE SLAB TO ACCEPT INSTALLATION OF (N) SLOPED CONCRETE TOPPING AND FLOOR FINISH (REF. TO STRUCTURAL)

GENERAL NOTES:

- PATCH, REPAIR AND MAKE GOOD ALL MATERIALS AND FINISHES WHERE DISTURBED BY DEMOLITION AND ALTERATIONS. REFER TO ALL DOCUMENTS FOR FULL EXTENT OF WORK REQUIRED. NOTE THAT MAKING GOOD INCLUDES WORK ASSOCIATED WITH THE REMOVAL OF EXST. AND INSTALLATION OF NEW SERVICES, ETC. (I.E. ELECTRICAL MODIFICATIONS IN THE BUILDING, INSTALLATION OF NEW DUCTS, CONDUITS, ETC. IN THE BUILDING, ETC.).
- NOT ALL DEMOLITION IS SHOWN. CONTRACTORS TO SITE VERIFY AND DOCUMENT EXST. CONDITIONS AND INCLUDE FOR DEMOLITION OF ALL REDUNDANT NON-ESSENTIAL BUILDING ELEMENTS INCLUDING BUT NOT LIMITED TO BELOW STAGE FRAMING, MECHANICAL AND ELECTRICAL SYSTEMS, BUILDING FITMENTS AND ACCESSORIES.
- ALL MATERIAL DEMOLISHED MUST BE REMOVED FROM SITE AND DISPOSED OF IN A MANNER THAT COMPLIES WITH LOCAL LAWS AND REGULATIONS
- EXST. MECHANICAL LOUVERS TO BE RELOCATED. SERVICES ARE TO BE CUT BACK AND CAPPED AS NEEDED UNLESS OTHERWISE NOTED. (REF. TO MECH. DRAWINGS



EXST. STAGE - DEMO PLAN

SCALE = 1:100

1

AD1.00



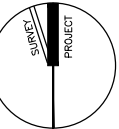
INVIZIJ

Architects Inc.

185 YOUNG STREET,
HAMILTON, ON L89 1V9
T: 905 525 9000 | invizij.ca



REV.	DESCRIPTION	DATE (Y/M/D)
H	REISSUED FOR TENDER	2025/02/06
G	REISSUED FOR TENDER	2025/01/08
E	BUILDING PERMIT RE-SUBMISSION	2024/11/07
D	TENDER	2024/10/04
B	BUILDING PERMIT	2024/06/28
A	ISSUED FOR DESIGN DEVELOPMENT	2024/06/03



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PROJECT NAME:
HWDSB – DALEWOOD
ELEMENTARY SCHOOL –
STAGE LIFT

PROJECT ADDRESS:
1150 MAIN STREET
WEST, HAMILTON, ON,
L8S 1C2

PROJECT NO.:
24-019

DRAWING TITLE:
EXISTING STAGE
DEMO PLAN

PLOT DATE:

DRWN: D.Q.

CHKD: E.C.

DATE (Y/M/D): 2024/06/05

SCALE: 1:100

DRAWING NO.:

AD1.00



**Hamilton Wentworth District School Board
Request for Tender – 2025-129-P02072**

**Stage Lift
Dalewood Elementary School**

ADDENDUM No. 1

February 6, 2025

The following amendments/clarifications to the Tender Documents are considered to form part of this Tender.

No consideration will be given for extras and/or changes due to the Bidder not being familiar with the contents of this Addendum.

Bidders are to acknowledge this Addendum by signing and enclosing this addendum of this document with their submission.

The following Addendum has been issued to make clarifications, revisions, additions and/or deletions to the various areas of the Request for Tender.

This addendum shall be incorporated in the specifications and drawings and shall form part of the contract documents:

1. AMENDMENTS TO RFT 2025-129-P02072 TENDER DOCUMENT:

- A. Drawing S0.01
 - a. Steel notes have been added.
- B. Drawing S1.01
 - a. Refer to drawings S1.01 for stage floor plan. New 76 slab and pit depth for lift is removed. Portion of existing floor slab to be scarified and raised 3" (76mm) with new concrete topping for pit location and sloped at maximum 1:20 to existing floor slab elevation
- C. Drawing S1.02
 - a. Refer to drawing S1.02, Section 1. The previous design of 125mm concrete slab for the stage extension will be removed and replaced with a 38mm steel deck topped with 90mm of concrete with 6x6x6/6 mesh. New load-bearing 90mm concrete block walls will be spaced to align with existing concrete beam below with additional intermediate walls. The area beneath the deck will remain void. Provide 140 block walls for areas where wall height is at lift mast level around lift.

D. Drawings S1.03

- a. Refer to S1.03 for lift sections and typical details for raised slab infill.

2. CONTRACTORS' QUESTIONS AND ANSWERS:

Question 1: Can you clarify how the depressed slab will be constructed for the lift? The structural drawings suggest that this slab will be cut out and re-poured. But this is not slab on grade. On site, there was a basement under the stage, and this slab height was approximately 15 feet high. Is the intention that scaffold will be erected, and the new slab to be formed at this height?

Response 1: Design has been modified to account for the suspended boiler room slab below. Refer to re-issued tender drawings dated February 6, 2025. Existing slab to no longer be cut out and re-poured for new slab depression, instead will be raised to accommodate lift pit and slope towards existing slab elevation.

Question 2: Are any special procedures required to cut and remove the section of slab on grade for the new lift base slab? Such as rebar scanning or reshoring

Response 2: Design has been modified to account for the boiler room slab below. New procedure involves scarifying existing slab and infilling to a raised slab height of approximately 3" (76) as required for pit depth. New raised slab will slope down to existing slab elevation.

3. ATTACHMENTS TO THIS DOCUMENT:

- Drawings S0.01
- Drawings S1.01
- Drawings S1.02
- Drawings S1.03

Sincerely,

Per: Qui Nguyen, Design Technologist
Kalos Engineering Inc.

GENERAL NOTES

- CHECK ALL DIMENSIONS ON THESE DRAWINGS WITH ALL OTHER DRAWINGS, INCLUDING BUT NOT LIMITED TO DRAWINGS PREPARED ARCHITECTURAL, MECHANICAL OR ELECTRICAL CONSULTANTS. REPORT ANY INCONSISTENCIES TO THE ENGINEER PRIOR TO COMMENCING WITH THE WORK. DO NOT SCALE THE DRAWINGS.
- THE DESIGN LIVE LOADS ARE INDICATED ON THE DRAWINGS. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS.
- THE COMPLETED STRUCTURE IS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING, SHORING AND ANY OTHER TEMPORARY OR PERMANENT MEASURES AS REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORT OF EXISTING OR ADJACENT STRUCTURES AS REQUIRED. ALL BRACING AND SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- CONSTRUCTION FEATURES NOT FULLY SHOWN ARE COMPARABLE TO SIMILAR CONDITION DETAILS.
- REFER TO OTHER CONSULTANTS DRAWINGS FOR DETAILS OF OPENINGS, PITS, CHAMFERS, DEPRESSIONS NOT INDICATED ON THE STRUCTURAL DRAWINGS.
- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST ONTARIO BUILDING CODE, LATEST APPLICABLE REGULATIONS AND GOOD CONSTRUCTION PRACTICES.
- THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS.
- CLARIFY ANY QUERIES WITH THE ENGINEER REGARDING THE INTERPRETATION OF THE DRAWINGS, PRIOR TO THE COMMENCEMENT OF ANY WORK.

CONCRETE NOTES

- ALL STRUCTURAL CONCRETE ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD CAN/CSA A23.3. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CSA STANDARD CAN/CSA A23.1.
- MINIMUM CONCRETE STRENGTH AT 28 DAYS SHALL BE:
– COMPOSITE SLAB 25 MPa TYPE N

SLUMP SHALL BE 75mm± 25mm.
AGGREGATE SHALL BE 20mm MAXIMUM.
AIR ENTRAINED TO BE 6% ± 1% WHEN EXPOSED TO EXTERIOR.
- THE DEFORMED REINFORCING STEEL SHALL CONFORM TO CSA STANDARD G30.18M GRADE 300R FOR STIRRUPS AND TIES AND GRADE 400R FOR ALL OTHER REINFORCING. UNLESS OTHERWISE NOTED THE REINFORCING LAP LENGTH SHALL BE 'CLASS B' IN SPLICES. ALL REINFORCING HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH A23.1.
- WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH CSA G30.5. ALL MESH SHALL BE CHAIRED PRIOR TO THE CONCRETE POUR. LIFTING OF THE MESH DURING THE CONCRETE POUR WILL NOT PERMITTED. ALL SPLICES SHALL BE A MINIMUM OF TWO CROSS WIRE SPACINGS PLUS 50mm.
- PROVIDE DOWELS TO WALLS AND COLUMNS TO SUIT THE REINFORCING IN THE WALL OR COLUMN ABOVE.
- ALL ADHESIVE ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE HILTI HIT-HY200 (OR APPROVED EQUAL) PROCEDURES.

MASONRY NOTES

- ALL STRUCTURAL ELEMENTS HAVE BEEN DESIGNED IN ACCORDANCE WITH CSA STANDARD S304.1. ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH CSA STANDARD A371. ALL MASONRY CONNECTORS, REINFORCING AND TYING SHALL BE IN ACCORDANCE WITH CSA A370. ALL MORTAR AND GROUT SHALL BE IN ACCORDANCE WITH A179.
- ALL CONCRETE BLOCKS SHALL BE NORMAL WEIGHT TYPE H/15/A/M UNLESS OTHERWISE NOTED. MORTAR SHALL BE TYPE S FOR LOADBEARING AND TYPE N FOR NON-LOADBEARING.
- VERTICAL CONTROL JOINTS SHALL BE PROVIDED AT A MAXIMUM SPACING OF 6000mm. REFER TO ARCHITECTURAL DRAWING FOR DETAILS AND LOCATIONS.
- GROUT SHALL CONSIST OF ON ONE PART PORTLAND CEMENT, THREE PARTS SAND (MAXIMUM AGGREGATE SIZE SHALL BE 10mm) WITH WATER TO PROVIDE A MINIMUM 10MPa COMPRESSIVE STRENGTH AT 28 DAYS. SLUMP SHALL BE 200mm TO 250mm.
- ALL CELLS CONTAINING REINFORCING SHALL BE GROUTED SOLID. TWO BLOCK COURSES BELOW BEARING PLATES SHALL BE GROUTED SOLID.
- ALL MORTAR JOINTS SHALL BE TOOLED (CONCAVE). A MINIMUM BED JOINT OF 6mm IS REQUIRED FOR THE STARTING COURSE TO A MAXIMUM OF 20mm. THE BED JOINTS SHALL BE 10mm.
- PROVIDE VERTICAL AND HORIZONTAL REINFORCING AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
– 90 CONCRETE BLOCK – 10M VERTICAL AT 800 O.C. & HEAVY DUTY TRUSS TYPE HORIZONTAL REINFORCING EVERY SECOND COURSE.
– 140 CONCRETE BLOCK – 10M VERTICAL AT 800 O.C. & HEAVY DUTY TRUSS TYPE HORIZONTAL REINFORCING EVERY SECOND COURSE.
- THE HORIZONTAL REINFORCING AT EXTERIOR WALLS SHALL BE GALVANIZED. DO NOT EXTEND HORIZONTAL REINFORCING THROUGH CONTROL JOINTS UNLESS OTHERWISE NOTED.
- PROVIDE TEMPORARY BRACING AS REQUIRED TO SUPPORT THE MASONRY WALLS IN CONSTRUCTION. PROTECT THE MASONRY WALLS FROM THE ELEMENTS AT ALL TIMES EXCEPT DURING CONSTRUCTION PROGRESS.

DESIGN LOADING:

TYP. FLOOR DEAD LOAD =15psf
TYP. FLOOR LIVE LOAD =100psf

EXISTING FLOOR PLAN DIMENSIONS/
CONFIGURATION IS APPROXIMATE

GUARD DESIGN NOTE:

NOTE: GUARD DESIGN TO MEET OR EXCEED 4.1.5.14. OF THE O.B.C.

- (1) THE MINIMUM SPECIFIED HORIZONTAL LOAD APPLIED INWARD OR OUTWARD AT THE MINIMUM REQUIRED HEIGHT OF EVERY REQUIRED GUARD SHALL BE,
- (C) 0.75 KN/M OR A CONCENTRATED LOAD OF 1.0 KN APPLIED AT ANY POINT, WHICHEVER GOVERNS FOR LOCATIONS OTHER THAN THOSE DESCRIBED IN CLAUSES (A) AND (B).

STRUCTURAL STEEL NOTES

- ALL STRUCTURAL STEEL ELEMENTS, INCLUDING DESIGN OF ELEMENTS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH CAN/CSA S16.
- ALL STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21 (300W) EXCEPT W SECTIONS AND PLATES G40.21 (350W), HSS MEMBERS G40.21 (350W) CLASS C OR ASTM A500 GRADE C, ANCHOR BOLTS ASTM A307, COLD FORMED SECTIONS ASTM A570M GRADE 350W. UNLESS OTHERWISE NOTED, ALL SECTIONS SHALL BE PRIME PAINTED WITH THE SURFACE PREPARATION AND PAINTING PROCEDURES IN ACCORDANCE WITH CAN/CGSB 85.10.
- ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH CAN/CSA W59. THE STEEL FABRICATOR SHALL BE FULLY QUALIFIED UNDER THE REQUIREMENTS BY THE CANADIAN WELDING BUREAU IN CONFORMANCE WITH CAN/CSA W47.1.
- DESIGN ALL MOMENT AND SHEAR CONNECTIONS FOR THE FULL CAPACITY OF THE SMALLER MEMBER IN THE CONNECTION UNLESS OTHERWISE NOTED.
- PROVIDE MINIMUM BEARING LENGTH OF STEEL MEMBERS AS FOLLOWS:
– ON MASONRY – 150mm
– ON STEEL – 90mm
- DECK SHALL BE EITHER 38mm OR 76mm DEEP IN ACCORDANCE WITH CSA S136 AND SHALL BE FABRICATED FROM ASTM A653 SS GRADE 230 GALVANIZED STEEL WITH A ZF75 GALVANNEAL OR Z275 GALVANIZED ZINC COATING. THE MINIMUM NOMINAL STEEL CORE THICKNESS SHALL BE 0.76mm. STEEL DECK SHALL BE FASTENED TO THE SUPPORT STRUCTURE WITH 20mm SPOT WELDS AT NOT MORE THAN 300mm c/c (150mm AT PERIMETER). CLINCH SIDELAPS AT 600mm c/c. ALL WELDS TO BE TOUCHED UP WITH PRIMER. MECHANICAL FASTENERS MAY ONLY BE USED WITH THE PERMISSION OF THE ENGINEER.
- ERECT STRUCTURAL STEEL IN ACCORDANCE WITH CSA S16 AND IN CONFORMANCE WITH THE APPROVED SHOP DRAWINGS.



REFER TO EXISTING DRAWINGS BY:
HUTTON AND SOUTER ARCHITECT HAMILTON ONT
DATED: MAY 15, 1947

185 YOUNG STREET,
HAMILTON, ON L8S 1V9
T: 905 525 9000 | invizij.ca

300 YORK BLVD HAMILTON,
ONTARIO L8R 3K6
905-333-9119
www.kaloseng.ca
PROJECT #24087

7	REISSUED FOR TENDER	2025/02/06
6	REISSUED FOR TENDER	2025/01/08
5	REISSUED FOR BUILDING PERMIT	2024/11/11
4	ISSUED FOR TENDER	2024/10/04
3	REVISED FOR BUILDING PERMIT	2024/09/12
2	ISSUED FOR BUILDING PERMIT	2024/07/04
1	ISSUED FOR SCHEMATIC DESIGN	2024/05/30
REV.	DESCRIPTION	DATE (Y/M/D)



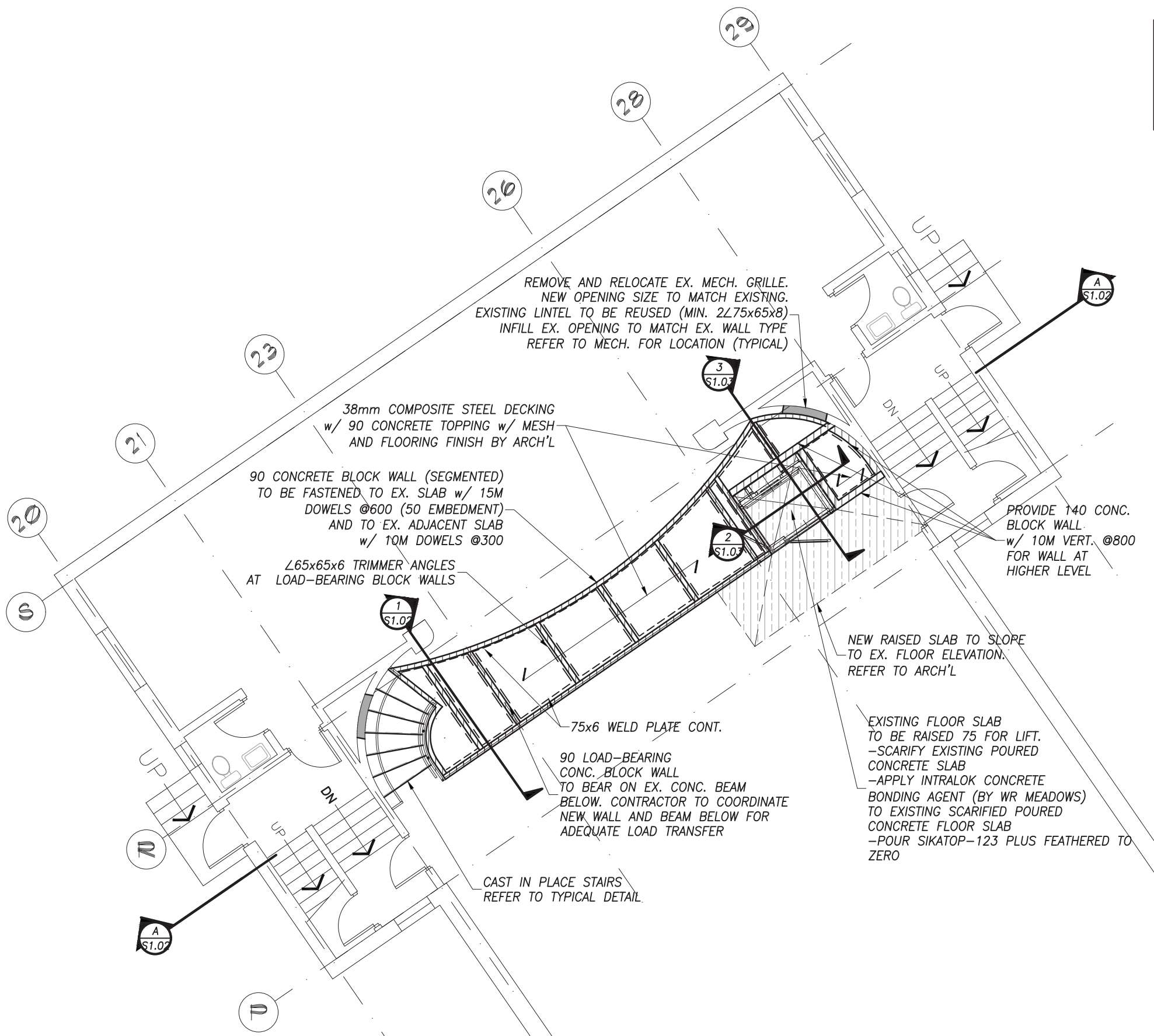
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THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS COUNTERSIGNED BY INVIZIJ ARCHITECTS INC.

PROJECT NAME: HWDSB – DALEWOOD ELEMENTARY SCHOOL – STAGE LIFT
PROJECT ADDRESS: 1150 MAIN STREET WEST, HAMILTON, ON, L8S 1C2
PROJECT NO.: 24–019
DRAWING TITLE: COVER SHEET & GENERAL NOTES
PLOT DATE:
DRWN.: Q.N.
CHKD.: H.A.P.H. & J.P.C.
DATE (Y/M/D): 25–01–06
SCALE: 1:100
DRAWING NO.:

S0.01



DESIGN LOADING

FOUNDATION DESIGN TO SUIT SAVARIA LIFT FOR A WALL THAT SUPPORTS A MINIMUM OF 482 lb (2100 N) OF PULL OUT FORCE AT EACH BOLT OF BRACKET (2 BOLTS PER BRACKET) AND THE FLOOR IS DESIGNED TO SUPPORT A LOAD OF 3200 lb (14.2 kN)

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Architects Inc.

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ENGINEERING

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PROJECT #24087

REV.	DESCRIPTION	DATE (Y/M/D)
7	REISSUED FOR TENDER	2025/02/06
6	REISSUED FOR TENDER	2025/01/08
5	REISSUED FOR BUILDING PERMIT	2024/11/11
4	ISSUED FOR TENDER	2024/10/04
3	REVISED FOR BUILDING PERMIT	2024/09/12
2	ISSUED FOR BUILDING PERMIT	2024/07/04
1	ISSUED FOR SCHEMATIC DESIGN	2024/05/30



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PROJECT NAME:	HWDSB — DALEWOOD ELEMENTARY SCHOOL — STAGE LIFT
PROJECT ADDRESS:	1150 MAIN STREET WEST, HAMILTON, ON, L8S 1C2
PROJECT NO.:	24-019
DRAWING TITLE:	PROPOSED STAGE FLOOR PLAN
PLOT DATE:	
DRWN.:	Q.N.
CHKD.:	H.A.P.H. & J.P.C.
DATE (Y/M/D):	25-01-06
SCALE:	1:100
DRAWING NO.:	

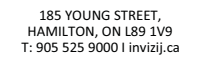
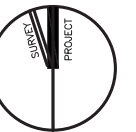


STAGE EXTENSION FLOOR FRAMING PLAN

SCALE: 1:100

REFER TO EXISTING DRAWINGS BY:
HUTTON AND SOUTER ARCHITECT HAMILTON ONT
DATED: MAY 15, 1947

S1.01

[illegible]

NOT SCALE DRAWING. DIMENSIONS ARE TO BE CHECKED AND VERIFIED BY THE CONTRACTOR ON THE FIELD.

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DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS COUNTERSIGNED BY INVIZU ARCHITECTS.

PROJECT NAME: HWDSB – DALEWOOD
ELEMENTARY SCHOOL -
STAGE LIFT

PROJECT ADDRESS:
1150 MAIN STREET
WEST, HAMILTON, ON,
L8S 1C2

PROJECT NO.:
24-019

DRAWING TITLE:

PROPOSED STAGE SECTIONS

PLOT DATE: _____

DRWN.: Q.N.

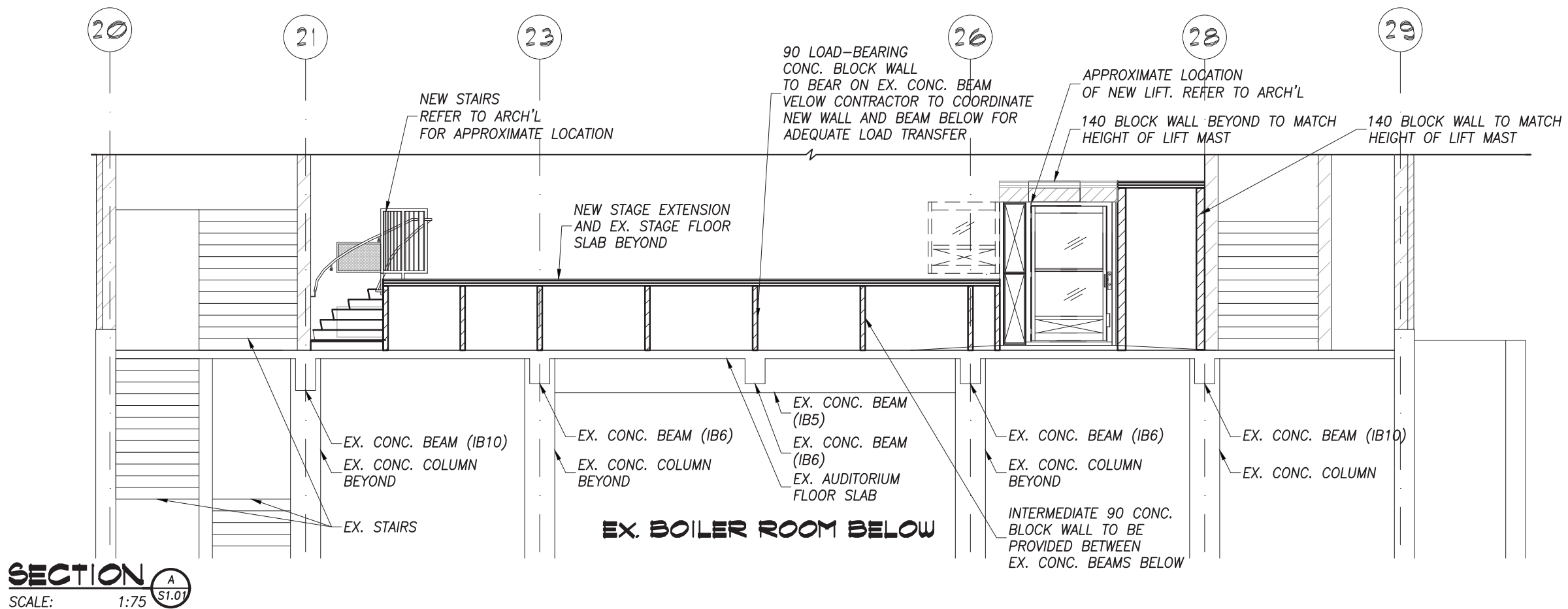
CHKD.: H.A.P.H.& J.P.C.

DATE (Y/M/D): 25-01-06

SCALE: 1:100

DRAWING NO.:

S1.02



DESIGN LOADING

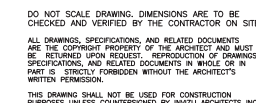
FOUNDATION DESIGN TO SUIT SAVARIA LIFT
FOR A WALL THAT SUPPORTS A MINIMUM OF
482 lb (2100 N) OF PULL OUT FORCE AT
EACH BOLT OF BRACKET (2 BOLTS PER
BRACKET) AND THE FLOOR IS DESIGNED TO
SUPPORT A LOAD OF 3200 lb (14.2 kN)

REFER TO EXISTING DRAWINGS BY:
HUTTON AND SOUTER ARCHITECT HAMILTON ONT
DATED: MAY 15, 1947





1	ISSUED FOR TENDER	2025/02/
	DESCRIPTION	DATE (Y/M)



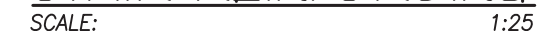
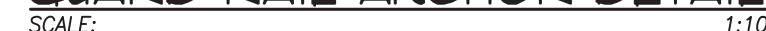
S1.03



SCALF: 1:25



SCALE: 1:25



FOUNDATION DESIGN TO SUIT SAVARIA LIFT FOR A WALL THAT SUPPORTS A MINIMUM OF 482 lb (2100 N) OF PULL OUT FORCE AT EACH BOLT OF BRACKET (2 BOLTS PER BRACKET) AND THE FLOOR IS DESIGNED TO SUPPORT A LOAD OF 3200 lb (14.2 kN)

REFER TO EXISTING DRAWINGS BY:
HUTTON AND SOUTER ARCHITECT HAMILTON ONT
DATED: MAY 15. 1947