

Town of Smiths Falls
Public Works Operation Center
11 Air Care Drive
Smiths Falls ON, K7A 0B2

Date: July 29, 2026

PART 1 - General

- .1 This Addendum is issued prior to tender closing to provide revisions to the Contract Documents.
- .2 Such revisions shall become part of the Contract Documents and shall change the original contract documents only in the manner and extent stated.
- .3 Bidders shall take this Addendum into Consideration when preparing and submitting a Bid and shall acknowledge receipt of this Addendum in their bids.

PART 2 – Contract Documents

Drawings

- .1 Refer to the attached Drawing AD101 – DEMOLITION SITE PLAN:
 - .1 ADD asphalt and curb demolition limits and associated notes.
- .2 Refer to the attached Drawing A020 – ASSEMBLIES HORIZONTAL & VERTICAL
 - .1 Revise assemblies as shown.
- .3 Refer to the attached Drawing A022 – TYPICAL DETAILS & MOUNTING HEIGHTS:
 - .1 ADD bench detail for types BN1 and BN2, including dimensions, basis-of-design, and material and finish information, to Detail 1/A022.
- .4 Refer to the attached Drawing A050 – DOORS & GLAZING SCHEDULES:
 - .1 REVISE dimensions of Door Panel Types QL (Quarter Glass) and HG (Half Glass).
 - .2 REVISE Door Frame Type AL: TYP and ADD Door Frame Type AL2: TYP.
 - .3 ADD frosting film at Door Frame Type PS: SPL and ADD frosting film strips at Door Frame Types AL: TYP and AL2: TYP.
 - .4 ADD window 106 to the Window Schedule.
 - .5 REVISE door sizes and associated finish designations in the Door Schedules.
 - .6 REVISE Door and screen abbreviations and REVISE the Finishes Legend.
- .5 Refer to the attached Drawing A081 – CODE COMPLIANCE PLAN:
 - .1 ADD fire extinguisher locations and corresponding legend designations.
- .6 Refer to the attached Drawing A101 – SITE PLAN:
 - .1 ADD Concrete pad dimensions at the gas station, garbage enclosure, and generator.
 - .2 ADD Cast-in-place Tactile Walking Surface Indicator at the main entrance

- .3 ADD Detail 1/A101 – Bollard Detail
- .7 ADD New Drawing A110 – LANDSCAPE PLAN
- .8 Refer to the attached Drawing A203 – ROOF PLANS:
 - .1 REVISE Roof slopes, sloped-insulation layout, roof designation, and associated dimensions at Roof Plan 1/A203 – Main Building.
- .9 Refer to the attached Drawing A301 – REFLECTED CEILING PLAN – MAIN BUILDING:
 - .1 ADD Type GC-01 bulkhead with associated Type F4 vertical faces in Copy/Equip. Room 106.
 - .2 REVISE the ACT-01 ceiling layout and lighting fixture locations to accommodate the new bulkhead.
 - .3 REVISE Type GC-01 bulkhead and associated Type F4 vertical faces in Kitchen 125.
 - .4 ADD Type RS- 1.0 roller shades at all windows. Refer to Specifications 12 24 13. Height and width of roller shades are to match proposed windows in each location.
- .10 Refer to the attached Drawing A402 – EXTERIOR ELEVATIONS – COLD STORAGE & GARBAGE ENCLOSURE:
 - .1 ADD Detail 4/A402 – Garbage Enclosure Elevations, including front, typical side, and rear elevations.
- .11 Refer to the attached Drawing A451 – INTERIOR ELEVATIONS – MAIN BUILDING:
 - .1 ADD dimensions and references to Section Detail 14/A801 for wall-mounted pegboard tool-storage panels at the Repair Bay, Wash Bay, and Service Garage elevations.
- .12 Refer to the attached Drawing A501 – BUILDING SECTIONS – MAIN BUILDING:
 - .1 REVISE Roof assemblies at Sections 1, 2, and 3/A501, including the roof type designation at Section 2/A501.
- .13 Refer to the attached Drawing A601 – SECTION DETAILS:
 - .1 REVISE exterior sheathing, roof insulation, beam-infill framing, and associated dimensions at Detail 2/A601
- .14 Refer to the attached Drawing A602 – SECTION DETAILS:
 - .1 REVISE Exterior sheathing and insulation materials and ADD dimensions at Detail 1/A602 – Typical Pre-Engineered Building-to-Roof Expansion Detail.
- .15 Refer to the attached Drawing A703 – OPS ENLARGED PLANS & ELEVATIONS:
 - .1 REVISE Wall-finish designations on the OPS washroom elevations.
 - .2 ADD Plan dimensions and REVISE bench depths at Male Change Room 135 and Female Change Room 130.
- .16 Refer to the attached Drawing A800 – CASEWORK – ENLARGED PLANS AND ELEVATIONS:
 - .1 REVISE Plastic laminate and backsplash finish designations at the elevations for Lunchroom 136, Copy/Equip. Room 106, and Office Kitchen 125.
 - .2 REVISE the Finishes Legend.

- .17 Refer to the attached Drawing A901 – OVERALL FINISHES PLAN & TYPICAL DETAILS:
 - .1 REVISE the Room Finishes Schedules.
 - .2 REVISE the Finishes Legend.
- .18 Refer to the attached Drawing A902 – ENLARGED FINISHES PLAN:
 - .1 REVISE Floor finish designations on the Office Finishes Plan.
 - .2 REVISE the Finishes Legend.
 - .3 REVISE the Room Finishes Schedule.
- .19 Refer to the attached Drawing A903 – COLD STORAGE FINISHES PLAN & TYPICAL DETAILS:
 - .1 REVISE the Finishes Legend.
 - .2 REVISE the Room Finishes Schedule.
- .20 Refer to Drawing E030 – PANEL SCHEDULES I:
 - .1 ADD 15A 1P breaker to Panel B for Exterior Lighting
- .21 Refer to the attached Drawing E101 – SITE PLAN:
 - .1 REVISE the communication conduit from the main building to the cold storage from 53mm to 78mm.
 - .2 REMOVE one P1a pole & fixture from the site.
 - .3 RELOCATE the adjacent P1a pole & fixture as shown on the attached.
 - .4 REMOVE one double P1a pole & fixture from the fueling station location.
 - .5 REVISE one double P1a pole & fixture to a double P1b pole & fixture and relocate to the fueling station island.
 - .6 REVISE circuiting for exterior lighting as shown on the attached.
- .22 Refer to the attached Drawing E202 – ROOF PLAN & ELECTRICAL PLANS – COLD STORAGE:
 - .1 ADD hazardous location designation to HAZARDOUS STORAGE 301 on Detail 2. (This was already shown on Detail 3 and does not change the designation of the location from Tender)
 - .2 REVISE underground conduit locations from cold storage to new tank locations
 - .3 ADD underground conduits from the cold storage to the CARD LOCK PEDESTAL.
 - .4 ADD hazardous zone requirements for the gasoline fueling station.
- .23 Refer to attached Drawing E401 – SECURITY DEVICE PLAN – LEVEL 01:
 - .1 REVISE security home runs conduit sizes as per the attached.
- .24 Refer to Drawing M000 – MECHANICAL NOTES, LEGENDS AND DETAILS
 - .1 Refer to the Piping Systems Legend and REVISE the description for “Storm Drainage (Stainless Steel)” to read “Storm Drainage”

- .25 Refer to Drawing M010 – Mechanical Schedules I:
 - .1 Refer to the Circulating Pumps Schedule:
 - .2 ADD note 4 to the NOTES section reading as follows:
“4. Standard of acceptance: Taco, Wilo, Armstrong”
- .26 Refer to Drawing M020 – MECHANICAL SCHEDULES II:
 - .1 Refer to the Exterior Louver Schedule
 - .2 REVISE specification for **LV-3** to change “LOUVER WIDTH (mm)” from “36” to “915”
 - .3 ADD Note 5 to the NOTES section reading as follows:
“5. Standard of acceptance: EH Price, Reversomatic, Ventex / Alumavent”
 - .2 Refer to the Exhaust Fan Schedule
 - .2 ADD “Soler & Palau” to the Standard of acceptance.
 - .3 Refer to the Air Terminal Schedule
 - .2 ADD “Tuttle & Bailey” to the Standard of acceptance.
- .27 Refer to drawing M410 – HVAC PLAN
 - .1 Add louver tag “LV-4” for exhaust air louver in exterior wall at gridlines E5 and 11, serving Vehicle Exhaust Fan **VEF-1**.

Specifications

- .1 Refer to Specification Section 00 73 00 Supplementary General Conditions
 - .1 Revise GC11.1 Insurance (added in Addendum 2) as follows:
 - .11 Sub-Consultants employed by specialized sub-Contractors or Sub-Consultants performing deferred engineering work shall take out and keep in force Professional Liability insurance in the amount of \$2,000,000 providing coverage for acts, errors and omissions arising from their professional services performed under this Agreement. The policy SIR/deductible shall not exceed \$10,000 per claim and if the policy has an aggregate limit, the amount of the aggregate shall be double the required per claim limit. The policy shall be underwritten by an insurer licensed to conduct business in the Province of Ontario and acceptable to the Corporation of The Town of Smiths Falls. The policy shall be renewed for 3 years after contract termination. A certificate of insurance evidencing renewal is to be provided each and every year. If the policy is to be cancelled or non-renewed for any reason, 90-day notice of said cancellation or non-renewal must be provided to the Corporation of The Town of Smiths Falls. The Corporation of The Town of Smiths Falls has the right to request that an Extended Reporting Endorsement be purchased by the Contractor at the
- .2 REFER to the attached spec sections 01 14 00 – Work Restrictions
 - .1 Add this section to the specification package and update the table of contents.
- .3 Refer to Specification Section 07 52 00 Modified Bituminous Membrane Roofing
 - .1 Revise Article 2.4 Insulation to read as follows:
 - .1 Polyisocyanurate Insulation:
Conform to CAN/ULC-S704. CFC and HCFC free, 4'-0" x 8'-0" maximum board size, thickness as indicated on drawings and Summary of Work. Closed cell polyisocyanurate foam with integrally formed and coated inorganic glass fibre mat facers. Material selected must be supported by membrane manufacturer's warranty. Accepted products:
 - .1 “SopralSO Plus” by Soprema.

- .2 Or approved alternate.
- .2 Sloped Insulation: factory pre-engineered tapered polyisocyanurate....
- .2 Revise Article 2.6 Membrane systems to add the following:
 - .4 **Overlay Board (Protection Board):** Multi-ply, semi-rigid asphaltic roofing substrate board composed of a mineral fortified asphaltic core formed between two asphaltic saturated fibreglass liners. 1/4" minimum thickness, size to best suit application.
 - .1 Puncture resistance: 500 N to ASTM E154.
 - .2 Water Absorption: 0.25% to ASTM D994
 - .3 Compressive strength: ≥ 3565 kPa / 517 psi to ASTM C472
 - .4 Acceptable product: "Sopraboard" by Soprema.
- .4 Refer to Specification 08 14 00 Wood Doors
 - .1 REVISE Article 2.2.1.7 to read as follows:
 - .7 Face Panels: Flat Slab Natural White Oak
 - .1 panel pattern: flat
 - .2 Surface Texture: Smooth
 - .3 Finishing: semi solid stain finish (colour to be selected) and 2 coats polyurethane finish
 - .2 REVISE Article 2.3.1.2 to read as follows:
 - .6 Face Panels: Flat Slab Natural White Oak
 - .1 panel pattern: flat
 - .2 Surface Texture: Smooth
 - .3 Finishing: semi solid stain finish (colour to be selected) and 2 coats polyurethane finish
- .5 REFER to the attached spec sections **08 71 10 – Door Hardware Schedule**
 - .1 Add this section to the specification package and update the table of contents
- .6 REFER to Specification Section **09 51 13 Acoustic Panel Ceilings**
 - .1 REVISE Article 2.4.1.2.4 to read as follows
 - .4 Size 610mm X 610mm
- .7 REFER to Specification **Section 10 51 13 Metal Lockers**
 - .1 REVISE Article **2.3** – Metal Lockers as follows:
 - 2.3 METAL LOCKERS
 - .1 Lockers: to CAN/CGSB-44.40, Type 1-Double with full-height locker Class 1 – One complete locker, freestanding.
 - .1 Size: 610 mm wide x 457 mm deep x 1981 mm high, steel body.
 - .2 Sides must be provided with stiffening ribs and back must be flanged.

ADDENDUM #004

- .3 Bottom pan to provide positive drain in bottom.
 - .4 Prefinished steel base. 20 gauge 0.90 mm thick sheet steel.
 - .5 Door Frame. Cold rolled not less than 16 gauge 1.5 mm thick sheet steel formed to channel shape and horizontal members welded to vertical member.
 - .6 Double ventilated steel doors, manufacturer's standard heavy-duty construction, complete with recessed handles and hasps for padlocks.
 - .7 Interior dividers and shelves. 24 gauge 0.60 mm thick cold rolled steel with channel formed fronts. Provide full-width top shelf.
 - .8 Trim. 22 gauge sheet steel except roll formed trim for which 20 gauge 0.90 mm thick sheet steel is acceptable.
 - .9 Provide manufacturer's standard heavy-duty, tamper-resistant hinges suitable for full-height locker doors.
 - .10 Stainless steel name plates. Blank name plates to receive Owner-supplied names.
 - .11 Coat hooks (minimum 2) and coat rod.
 - .12 Prefinished metal sloped top.
 - .13 Prefinished metal end and side closures.
 - .14 Color(s):
 - .1 Will be selected from manufacturer's standard range.
 - .15 Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - .1 Penco Vanguard 1-Tier 2-Door Executive Locker, Manufacturer's Part Number 6MTJ170806; Global Industrial Model WB242335MB.
 - .2 Alternate(s) as approved.
- .8 REFER to Specification **Section 26 05 21 Wires and Cables (0-1000V):**
- .1 REVISE Article **3.6 – Installation of Armoured Cables** as follows:
 - .1 Group cables wherever possible on channels.
 - .2 Type AC90 is only to be used in extremely short lengths (of 10' or less) and are only to be used for fixture drops, receptacles, and motor branch circuits from conduit boxes.
 - .3 AC90 may only be used in concealed spaces, dry accessible ceilings and hollow partitions.
 - .4 AC90 is never to be used for home runs for lighting or power devices and will be ordered to be removed if so installed.
 - .5 Use AC90 for this purpose only and only where specifically called out on the drawings.
- .9 REFER to the attached spec sections 32 31 13 – Chain Link Fences and Gates
- .1 Add this section to the specification package and update the table of contents.

Questions

Question 1: Will Trench drains and oil water separator products provided by Vodaland be considered as an alternate.

Answer 1: Yes trench drain products and oil water separator products supplied by Vodaland meeting the design criteria matching those specified will be considered as acceptable alternates to the products specified.

Question 2: Please confirm that the pre-engineered metal building manufacturer is responsible for the

structural design, including sealed structural calculations, shop drawings, primary and secondary framing, bracing, connections, anchor bolt layouts, and foundation reactions.

Answer 2: Yes the pre-engineered metal building manufacturer is responsible for the items noted in the question.

Question 3: will Kwik-wall be considered as an alternative operable partition product

Answer 3: Yes – products supplied by Kwik-Wall meeting the same design criteria as those specified will be considered as approved alternates.

Question 4: Requesting that Wayne Dalton doors be accepted as an alternative

Answer4: Yes – overhead door products supplied by Wayne Dalton meeting the same design criteria as those specified will be considered as approved alternates.

Question 5: Is furniture supplied and/or installed by the contractor?

Answer 5: No – furniture is not included in the scope of this project.

Question 6: Is the steel catwalk/mezzanine to be painted?

Answer 6: Yes the mezzanine and catwalk steel is to be painted.

Question 7 Confirm that the gas filling pad, the garbage enclosure and the generator pad are in fact by others, as noted on the grading plan.

Answer 7: The gas filling pad, garbage enclosure and the generator pad are all to be supplied in contract. Disregard the note about not being in contract. Each pad is to be constructed as shown in detail A/S-101

Question 8: Will CertainTeed and CGC equivalents be accepted for ACT ceilings

Answer 8: Yes, Certainteed and CGC equivalents will be acceptable.

Question 9: GR-1 indicates that the existing ditch is to be re-graded to accommodate the culvert replacement. Please confirm if the removal of trees, shrubs bushes, and overgrown plants will be required by the contractor in order to perform this work. The ditch and surrounding area are covered in dense vegetation that will need to be removed for the work to take place.

Answer 9: Yes all grubbing, excavation and general removal of existing site materials is to be included in the construction price.

Question 10: We would like to qualify the TORMAX 1102 for interior doors and the TORMAX 1201 for exterior doors as acceptable alternates.

Answer 10: Yes these would be considered as acceptable alternatives to the power door operators.

Question 11: can we use an alternate Emergency Call System / Universal Barrier-Free Restroom System?

Answer 11: yes alternate manufacturers meeting the design criteria identified in the bid package will be considered as approved alternates.

Question 12: Spec section 26 23 00 is missing from the specification package. Can this be provided?

Answer 12: Specification section 26 23 00 is not required. No switchgear is specified within the project. Please refer to the E series drawings for panel board requirements.

Question 13: Regarding drawing E101. Confirm that the ducts feeding the existing storage building, the EV pedestal, the gates and the new cold storage building are direct buried, and that detail # 7 of drawing E020 can be used as an installation detail.

Answer 13: Correct these conduits are direct buried.

Question 14: Regarding drawing E101. Where are pole lights P1a/P1a near gridlines 2A and 6A being fed from?

Answer 14: Refer to Addendum 003.

Question 15: What is included in the data allowance? There is no security or PA specs, is that completed under the allowance?

Answer 15: Security has its own allowance. Bid as per the drawings and specifications. Conduit and rough-ins are included within the drawings.

Question 16: Please confirm on drawing E402, if Section 18, Zone 2 applies for the security devices around the Hazardous Storage room.

Answer 16: Section 18 Zone 2 only applies to equipment and conduit within the room. All conduit and wiring passing through the room must meet zone 2 requirements.

Question 17: Please clarify if Chubb Edwards has been sole sourced for the Fire Alarm contractor.

Answer 17: Alternates that meet the performance specifications will be allowed.

Questions 18: Panel P-EV does not show any branch breakers on the panel schedule. Please provide the missing breaker information, including the breaker ratings, number of poles, quantities, and circuit assignments, so the panel can be accurately priced and coordinated.

Answer 18: Bid as per the drawings and specifications. The panel and conduit rough-ins are all that are being provided at this time.

Question 19: There appears to be a discrepancy between the specification on drawing and the project specifications regarding the permitted use of AC90 (BX) cable. Drawing E000, Item 1.14(B), indicates that AC90 (BX) cable may be used for final connections to lighting, receptacle, and motor branch circuits concealed in dry, accessible ceilings and hollow partitions. However, Specification Section 25-05-21, Item 3.6, permits the use of AC90 cable only for final connections to light fixtures. Please clarify which requirement governs the project and confirm whether AC90 (BX) cable is permitted for final connections to lighting, receptacle, and motor branch circuits, or if its use is restricted to lighting fixtures only.

Answer 19: See Addendum 003.

Question 20: Please confirm that Eaton (Cutler-Hammer) and Siemens are approved manufacturers for the panelboards included in the base bid.

Answer 20: Bid as per drawings and specifications.

Question 21: The requirement stating that each receptacle circuit shall have a separate neutral and grounding conductor, with common neutrals not permitted, appears to exceed the standard requirements for typical branch circuit wiring which will result in additional conductors, larger raceways, increased installation labor, and significantly higher project costs. Please confirm whether this requirement is intentional and project-specific, or if branch circuit wiring may be installed in accordance with the applicable electrical code, including the use of shared neutrals.

Answer 21: Bid as per drawings and specifications.

Question 22: The fire alarm riser on drawing E501 shows sprinkler supervisory switches, sprinkler flow switch, wet system shutoff valve, and pressure switches to be looped to the FA panel. Please provide the locations of these switches and valves.

Answer 22: Refer to the mechanical drawings for location of the sprinkler tree.

Question 23: Please confirm if there is a preferred security system brand?

Answer 23: Bid as per the drawings and specifications. Security devices, wiring and equipment are being provided by the owner's vendor. Conduits and rough-ins are the only items included within contract documents.

Question 24: The door details indicate that conduit is to be routed to the nearest access control junction box or access door controller within IT Services Room 124. However, the security drawings only show conduit runs for the overhead garage doors and do not indicate conduit for the standard security doors in office area. Please clarify whether Division 26 is to provide dedicated conduit runs from each common security door in office areas back to the IT Services Room. Please also confirm that no cable tray is required for this project.

Answer 24: No cable tray is required for this project. Div. 26 is to provide 1" conduit from each common security door in office area back to the IT services. Doors within the same vicinity may be daisy chained with a 1" conduit per the drawings.

Question 25: Please clarify the required conductor sizes for both the fire alarm initiating device circuit loop and the notification appliance circuit loop.

Answer 25: Bid as per the drawings and specifications.

Question 26: The fire alarm riser also indicates a sprinkler flow switch, wet system shutoff valve, wet system low-pressure switch, wet system pressure switch, and multiple supervisory switches. Please indicate the locations of each device on floor plans drawing E501 to provide necessary fire alarm wiring for monitoring of these sprinkler devices from FACP.

Answer 26: Bid as per plans and specifications. Refer to sprinkler plans for sprinkler tree location.

Question 27: Please confirm whether Division 26 is responsible for providing the fire alarm demarcation complete with end-of-line resistors (EOLRs) as shown on the fire alarm riser.

Answer 27: Demarcation is by Div. 26, located next to the fire alarm panel.

Question 28: Please clarify who will provide the fire/security panel as shown on the fire alarm riser?

Answer 28: Fire/security panel will be provided by the owners security/monitoring vendor.\

Question 29: There are three Type P1b light fixtures shown on the site plan that are identified as being fed from circuit P-CS-9. However, the indicated conduit/trenching route appears to run to the main building rather than the cold storage building. Please clarify whether the intent is for these fixtures to be fed all the way back to Panel P-CS. If so, please provide the appropriate conduit and trenching routing required for these circuits. If this is not the intent, please confirm whether these fixtures are to be connected to the nearest available panel within the main building.

Answer 29: Refer to Addendum 003.

Question 30: Refer to Section 26-24-16 item 2.5 - Distribution Panels, Can ABB be accepted as an approved

panels manufacturer for this project?

Answer 30: ABB will be entertained as an alternate if all performance specifications are met.

Question 31: Please confirm if alternates for lighting distribution and generator will be allowed if they meet performance requirements.

Answer 31: Alternates for lighting fixtures we're to be submitted with cutsheets during the tender question period as per the specifications. Generator alternates will be allowed if they meet the performance specifications.

Question 32: Will other Div. 25 controls manufacturers be added to the approved vendor list for the project specifications?

Answer 32: No, Specification section 25 05 01 – BAS General Requirements part 2.1. lists five approved Div. 25 controls contractors and DDC Manufacturers to choose from for the project – please work with the contractors and vendors from this list.

Question 33: Can you confirm venting material for unit heater supply & exhaust venting?

Answer 33: Venting for unit heaters shall be provided to meet manufacturer's installation requirements and applicable CSA Standards for combustion air venting.

Question 34: Is the mechanical contractor responsible for trenching, bedding and backfill for underground natural gas piping installation as shown on Mechanical drawing 3/M201? General mechanical note 16 on drawing M000 states that this is the responsibility of Division 31 – please confirm.

Answer 34: It is the responsibility of the mechanical contractor to coordinate all trenching bedding and backfill for natural gas piping installation scope of work with Enbridge to confirm final installation details, and coordinate with the GC and Division 31 for performance of the work.

Question 35: Are controls required for exhaust fans and motorized dampers in the Cold Storage building and should Division 26 install them?

Answer 35: As noted on drawing M410 – Division 23 shall provide timer switches for Exhaust fans EF-6 and EF-7 for installation by Div. 26. As noted on drawing M610 – all motorized damper actuators shall be low voltage and are provided by Div. 25, and all low voltage control wiring is to be performed by the Div. 25 contractor.

Question 36: Is the disconnect for EF-7 to be mounted on the exterior of the building, or does an explosion-proof disconnect need to be provided?

Answer 36: Disconnect for EF-7 is to be mounted on the exterior of the building. Disconnect should be rated for outdoor installation but does not need to be explosion proof - refer to drawing E202 - Roof Plan & Electrical Plans - Cold Storage.

Question 37: Are the radiant tube heaters in the service garage intended to be terminated through the side wall with a type B vent?

Answer 37: Yes.

Question 38: What material is the exterior grade sheathing

Answer 38: All exterior sheathing is to be fiberglass mat faced exterior grade gypsum sheathing.

Question 39: provide specifications for the peg boards noted in detail 14/a801

Answer 39: peg board material is to be U-line product H-8498 steel pegboard colour black. Provide panels as needed to meet the dimensions noted on the elevations. The peg boards are to be mounted on 50mm X 50mm metal HSS standoffs to provide space behind peg board to the wall.

Question 40: In the 142 wash bay does the catwalk require a guardrail

Answer 40: yes provide a 1070mm high guard rail around all sides of the proposed catwalk and mezzanine area constructed as shown in detail 4/A022.

Question 41: On page A050 – Door Schedule of the architectural drawings, the glass type for the doors is not specified. Could you please confirm the required glass type for these doors?

Answer 41: All hollow metal and aluminum doors and frames are to receive glass in the sidelight sections, clerestory sections and in door panels. Specification section 08 80 00 notes glazing types. All exterior windows and doors are to receive Insulated glass units, all interior non fire rated doors and frames are to receive tempered glass and all fire rated doors and frames are to receive fire rated glass.

Question 42: Can you please provide the specifications of the signage noted as SN-1 on elevation a401

Answer 42: The signage noted in this elevation is to be formed aluminum can lettering made of 0.040" powder coated aluminum sheet to make the sides and back of the cans. The face is to be made from 3/16" acrylic with film applied over the acrylic to achieve the colours matching the corporate logo. All other fastenings and structure is to be provided by the sign supplier.

Question 43: Can you provide more detail on the construction of aluminum entrance doors and frames noted around vestibule 100, 107 and 114.

Answer 43: The construction of the aluminum and glass framing and doors at these vestibules is outlined in specification section 08 11 13 aluminum doors and frames. The typical construction details are identified in section detail 4/A601. These same construction details apply at the door jambs.

Question 44: Identify the LD and HD asphalt paving areas on the grading plan.

Answer 44: As noted on GR1, light duty asphalt structure shall be for the passenger vehicle parking lot (drive aisles and parking stalls) and heavy duty asphalt structure shall be for the loading bays and the fuel storage loop.

Question 45: Confirm whether the proposed culverts are to be: Corrugated Steel Pipe (CSP), or HDPE.

If CSP is required, please confirm: Pipe gauge/thickness (e.g. 1.6 mm, 2.0 mm, or 2.8 mm); Coating requirements (galvanized, aluminized, or polymer laminated); End treatment requirements, if any. If HDPE is required, please confirm: Required diameter; sizing is 750 or 900, would pricing a 900 mm diameter pipe will be accepted in lieu of the 800 mm diameter pipe noted (if applicable). Please identify the applicable OPSS/OPSS standard and drawing reference governing the culvert installation.

Answer 45: Culverts shall be CSP per OPSS 1801, aluminized type 2, 2.8mm thick, and shall be installed with frost tapers in accordance with OPSS 803.030. Square end finished per OPSS 801.010.

Question 46: The Civil Drawings provide existing elevations but no new elevations for the areas to receive granular paving (20mm Gran A + 450mm Gran B). Can you confirm if the intent is to match the existing grades and therefore the expectation is that up to 650mm of removals will be required in all areas showing new granular paving on A101?

Answer 46: The intent for the gravel paving structure is for new areas of gravel paving (eg. ex building to be demolished). Existing gravel areas may be regraded to proposed grades with the existing gravel.

Question 47: Are there 3 mobile tools cabinet as shown on drawing A801?

Answer 47: yes there are to be 3 mobile tool cabinets supplied as shown on drawing A201. All metal components are to receive black oxide coating. All metal components shown in elevations 6,7,8,9,10/A801 are to receive black oxide coating.

Question 48: Confirm when the existing building can be demolished. Before, during or after the new buildings are erected.

Answer 48: The existing public works operation facility, storage yard and salt dome building will remain operational by the Owner throughout construction of the new buildings. Construction of the new buildings have been arranged in a manner to allow the existing facilities to remain operational throughout the construction process. The Contractor will be responsible for sequencing construction in a manner that allows the Owners operations to continue. Demolition of the existing building and the associated services is not to occur until the new main building construction has achieved occupancy. It is understood that the Contractor will require working space around the new building throughout construction and that disruptions to the Owners operation will be required. Maintaining construction fencing, time and space separation between the construction zone and the owners operational zone will be the responsibility of the Contractor. All costs associated with sequencing the work are to be including in the tender price of each bidder.

End of Addendum

Attachments:

Drawings (24"x36"):

- A020 – ASSEMBLIES HORIZONTAL AND VERTICAL
- A022 – TYPICAL DETAILS AND MOUNTING HEIGHTS
- A050 – DOORS GLAZING SCHEDULES
- A081 – CODE COMPLIANCE PLAN
- AD101- DEMOLITION SITE PLAN
- A101 – SITE PLAN
- A110 – LANDSCAPE PLAN
- A203 – ROOF PLAN
- A301 – REFLECTED CEILING PLAN MAIN BUILDING
- A402 – EXTERIOR ELEVATIONS – COLD STORAGE & GARBAGE ENCLOSURE
- A451 – INTERIOR ELEVATIONS MAIN BUILDING
- A501- BUILDING SECTIONS – MAIN BUILDING
- A601 – SECTION DETAILS
- A602 – SECTION DETAILS
- A703 – OPS ENLARGED PLANS & ELEVATIONS
- A800 – CASEWORK – ENLARGED PLANS AND ELEVATIONS
- A901 – OVERALL FINISHES PLAN & TYP. DETAILS
- A902 – ENLARGED FINISHES PLAN
- A903 – COLD STORAGE FINISHES PLAN & TYPICAL DETAILS
- E101 – SITE PLAN
- E202 – ROOF PLAN & ELECTRICAL PLANS – COLD STORAGE

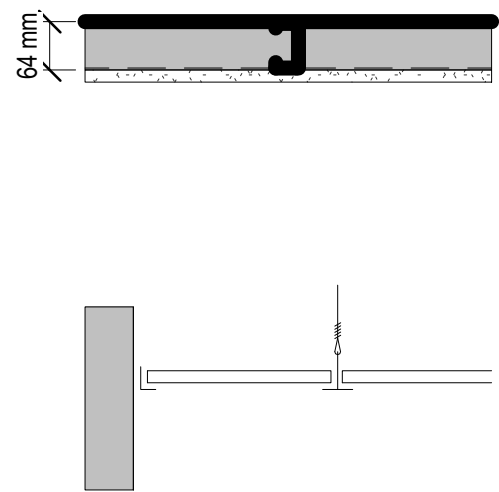
- E401 – SECURITY DEVICE PLAN – LEVEL 01

Specification Sections (8.5x11" unless otherwise noted)

- 01 14 00 – Work Restriction
- 08 71 10 – Door Hardware Schedule
- 32 31 13 – Chain Link Fences and Gates

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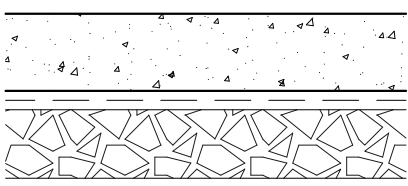
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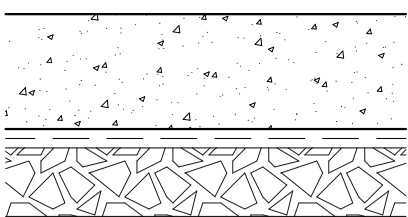
- SUSPENDED GYPSUM CEILING**
- 64mm METAL STUDS AT 400 C/C - SUSPENDED
 - 16mm GYPSUM BOARD
- GC**
- GCm** SAME AS GC EXCEPT
- SUBSTITUTE WITH MOISTURE RESISTANT GYPSUM WALL BOARD.
- GCx** SAME AS GC EXCEPT
- 2 LAYERS OF 16mm TYPE 'X' GYPSUM BOARD

2 CEILING TYPES

A020 1 : 10



- CF4** **CONCRETE TYPES**
- 125mm REINFORCED CONCRETE SLAB
 - 6 mil VAPOUR BARRIER
 - COMPACTED GRAVEL



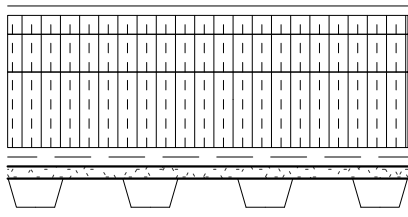
- CF6**
- 152mm REINFORCED CONCRETE SLAB
 - 6 mil VAPOUR BARRIER
 - COMPACTED GRAVEL



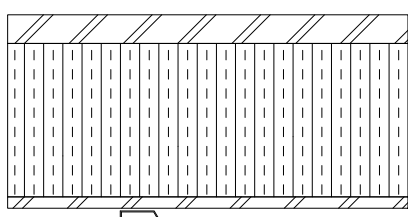
- FL1**
- 102mm CONCRETE SLAB
 - 38mm METAL DECKING

3 FLOOR TYPES

A020 1 : 10



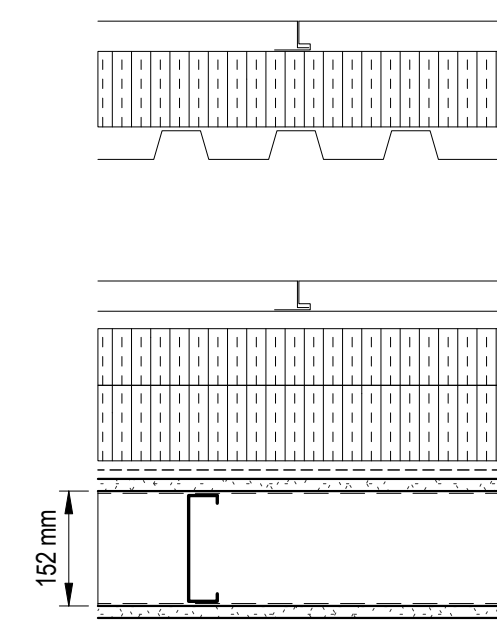
- R1** **ROOF TYPES**
- 2-PLY MODIFIED BITUMEN MEMBRANE ROOF
 - 6mm PROTECTION BOARD
 - SLOPED/TAPERED POLYISOCYANURATE INSULATION BOARD
 - 200mm POLYISOCYANURATE INSULATION BOARD (2x LAYERS OF 100mm)
 - SELF-ADHESIVE AVB BARRIER
 - 16mm EXTERIOR GRADE GYPSUM ROOF DECK BOARD
 - 38mm METAL ROOF DECKING



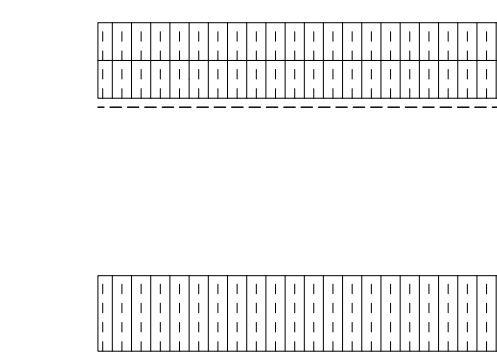
- MR**
- PRE-ENG METAL STANDING SEAM ROOFING SYSTEM
 - 203 SEMI-RIGID MINERAL WOOL INSULATION WITH PRE-ENG THERMAL SUPPORTS
 - PRE-ENG METAL LINER PANEL
 - PRE-ENG PURLIN STRUCTURE

4 ROOF TYPES

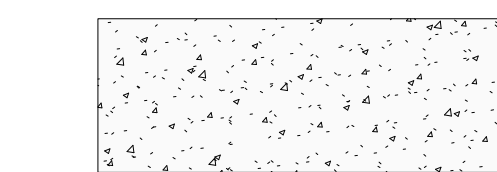
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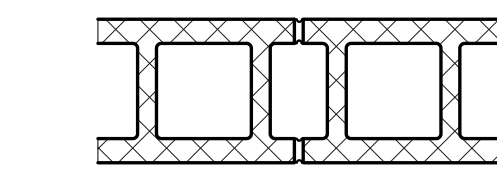
- MC1** **EXTERIOR CLADDING**
- PRE-ENG METAL SIDING (SEE SPECIFICATION FOR MATERIAL AND ELEVATION FOR LOCATION)
 - PRE-ENG GIRT C/W MINERAL WOOL INSULATION
 - PRE-ENG METAL LINER PANEL, ALL JOINTS TO BE SEALED.
- PRE-ENG WALL CONSTRUCTION TO BE COORDINATED WITH MANUFACTURER.
- MC4** **PREFORMED METAL SIDING** (SEE SPECIFICATION FOR MATERIAL AND ELEVATION FOR LOCATION)
- 102mm ADJUSTABLE VERTICAL THERMAL CLIPS WITH 102mm HORIZONTAL Z-GIRT, FILL WITH 75mm TYPE 1 MINERAL WOOL INSULATION (OUTER LAYER) AND 102mm TYPE 2 MINERAL WOOL INSULATION (INNER LAYER).
 - SELF-ADHESIVE AVB MEMBRANE
 - 16mm EXTERIOR GRADE FIBERGLASS HAT FACED GYPSUM SHEATHING
 - 152mm METAL STUDS AT 406 C/C
 - 16mm GYPSUM BOARD
- MC5**



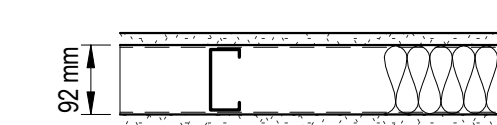
- I4.0** **FOUNDATION INSULATION**
- STRUCTURAL FOUNDATION WALL
 - WATER PROOFING MEMBRANE SYSTEM (BELOW GRADE) WITH DRAINAGE BOARD
 - 50mm PRE-FACED CEMENT BOARD INSULATION & 50mm EXTRUDED POLYSTYRENE RIGID INSULATION (TOP 610mm OF FOUNDATION WALL) + 100mm EXTRUDED POLYSTYRENE RIGID INSULATION (REMAINDER OF WALL TO TOP OF FOOTINGS)
- I4.1**
- STRUCTURAL FOUNDATION WALL
 - 100mm EXTRUDED POLYSTYRENE RIGID INSULATION (INTERIOR SIDE) FROM TOP OF FOOTINGS TO UNDERSIDE OF CONCRETE SLAB.



- C8** **CONCRETE WALL**
- 200mm CONCRETE WALL, REFER TO STRUCTURAL DRAWINGS



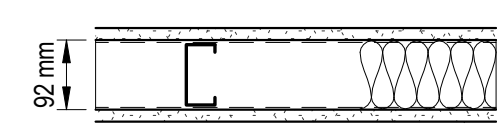
- B8** **CONCRETE BLOCK**
- 190mm HOLLOW CORE CONCRETE BLOCK (S or N (Normal Weight))
- B8x** AS B8 EXCEPT
- 190mm 75% SOLID CONCRETE BLOCK (S or N (Normal Weight)) (SB-2 2HR EQUIVALENT THICKNESS FIRE RESISTANCE RATING)
- B10x** AS B8 EXCEPT
- 240mm HOLLOW CORE CONCRETE BLOCK (S or N (Normal Weight)) (SB-2 2HR EQUIVALENT THICKNESS FIRE RESISTANCE RATING)
- ALL COMPONENTS SHALL EXTEND TO UNDERSIDE OF DECK/SLAB ABOVE.



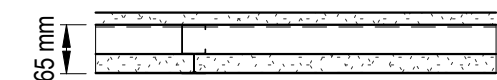
- M4** **METAL STUD**
- 16mm GYPSUM BOARD
 - 92mm METAL STUDS AT 406 C/C
 - 16mm GYPSUM BOARD
- M4s** SAME AS M4 EXCEPT
- 92mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION
- M6s** SAME AS M4 EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION
- M4st** SAME AS M4s EXCEPT
- SUBSTITUTE WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.
- M4st** SAME AS M4s EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION
- M4t** SAME AS M4 EXCEPT
- SUBSTITUTE WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.
- M4tr** SAME AS M4 EXCEPT
- SUBSTITUTE BOTH LAYERS OF GYPSUM BOARD WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.
- ALL COMPONENTS SHALL EXTEND TO UNDERSIDE OF DECK/SLAB ABOVE.

1 WALL TYPES

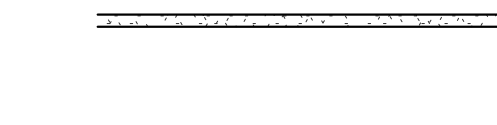
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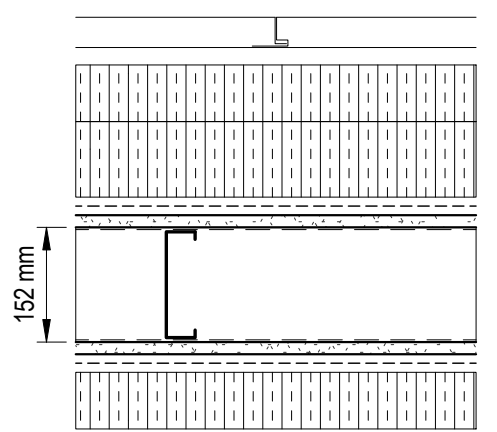
- M4x** **METAL STUD - FIRE RATED**
- 16mm TYPE 'X' GYPSUM BOARD
 - 92mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION
 - 16mm TYPE 'X' GYPSUM BOARD
- 1 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W407 & OBC SB-3 (S4a)
- M6x** SAME AS M4x EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 150mm SOUND ATTENUATING BATT INSULATION
- 1 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W407 & OBC SB-3 (S7a)
- M4xx** SAME AS M4x EXCEPT
- 2 LAYERS OF 16mm TYPE 'X' GYPSUM BOARD (BOTH SIDES)
- 2 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W407 & OBC SB-3 (S6a)
- M6xx** SAME AS M4xx EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 150mm SOUND ATTENUATING BATT INSULATION
- 2 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W407 & OBC SB-3 (S9a)
- ALL COMPONENTS SHALL EXTEND TO UNDERSIDE OF DECK/SLAB ABOVE.



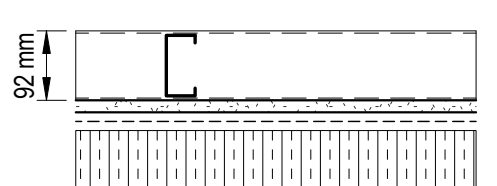
- S3x** **SHAFT WALL - FIRE RATED**
- 16mm TYPE 'X' GYPSUM BOARD
 - 55mm ZSga C-H STUDS @ 610mm o.c.
 - 25mm GYPSUM LINER PANEL
- 1 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W415 SYSTEM A
- S3xx** AS S3x EXCEPT
- 2x LAYERS OF 12.7mm TYPE 'C' GYPSUM BOARD IN LIEU OF 16mm TYPE 'X'.
- 2 HOUR FIRE RESISTANCE RATING
U.L.C. DESIGN No. W415 SYSTEM B



- F0t** **METAL STUD - FURRING**
- 16mm GYPSUM BOARD, SUBSTITUTE WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.
- F4** • 16mm GYPSUM BOARD
- 92mm METAL STUDS AT 406 C/C
- F4x** AS F4 EXCEPT
- INCLUSION OF 90mm MINERAL WOOL BATT INSULATION IN STUD CAVITY..
- F4t** AS F4 EXCEPT
- SUBSTITUTE WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.
- F4tp** AS F4 EXCEPT
- SUBSTITUTE WITH FIRE RATED PLYWOOD.
- ALL COMPONENTS SHALL EXTEND TO UNDERSIDE OF DECK/SLAB ABOVE.
- F4xx** AS F4 EXCEPT
- 2x LAYERS OF TYPE 'X' 16mm GYPSUM BOARD
- F1** AS F4 EXCEPT
- SUBSTITUTE 20mm METAL HAT CHANNEL AT 406 C/C
- F4xx** AS F4 EXCEPT
- SUBSTITUTE 41mm METAL STUDS AT 406 C/C



- RP1** **ROOF PARAPET WALLS**
- PREFORMED METAL SIDING (SEE SPECIFICATION AND ELEVATION)
 - 102mm ADJUSTABLE VERTICAL THERMAL CLIPS WITH 102mm HORIZONTAL Z-GIRT, FILL WITH 75mm TYPE 1 MINERAL WOOL INSULATION (OUTER LAYER) AND 102mm TYPE 2 MINERAL WOOL INSULATION (INNER LAYER).
 - SELF-ADHESIVE AVB MEMBRANE
 - 16mm EXTERIOR GRADE SHEATHING
 - 152mm METAL STUDS AT 406 C/C
 - 16mm EXTERIOR GRADE SHEATHING
 - SELF-ADHESIVE AVB MEMBRANE
 - 75mm SEMI-RIGID INSULATION
 - 2-PLY MODIFIED BITUMINOUS ROOF MEMBRANE



- RP2**
- 92mm METAL STUDS AT 406 C/C
 - 16mm EXTERIOR GRADE SHEATHING
 - SELF-ADHESIVE AVB MEMBRANE
 - 75mm SEMI-RIGID INSULATION
 - 2-PLY MODIFIED BITUMINOUS ROOF MEMBRANE

GENERAL NOTES VERTICAL ASSEMBLIES

1. SEE TYPICAL DETAILS FOR COLUMN GWB CONFIGURATION CONDITIONS. COORDINATE STRUCTURAL COMPONENT GEOMETRY, AND PROPOSED BUILDING SERVICES PRIOR TO PLACING MTL FRAMING. REQUEST CLARIFICATIONS AS MAY BE REQUIRED PRIOR TO FRAMING.
2. CROSS-BRACE ALL PARTITIONS NOT SECURED TO US STRUCTURE ABOVE. FOR KNEE-WALL CONDITIONS, PROVIDE CONCEALED MISC. STL (HSS) POST SECURED TO FLOOR STRUCTURE, TYP UNO.
3. PROVIDE BASIC GWB FURRING FOR PIPING INSTALLED IN FINISHED AREAS. PIPING LOCATED ABOVE GRADE AND INSIDE THE BUILDING SHALL BE CONCEALED WITH GWB FURRING UNO WITH THE EXCEPTION OF PIPING IN SERVICE ROOMS.
4. DIMENSIONS INDICATED ARE TO THE FACE OF METAL STUD, CONCRETE BLOCK OR CAST IN PLACE CONCRETE UNO. FINISH FLOOR ELEVATIONS GIVEN ARE TO TOP OF CONC SLABS UNO.

- GLAZING NOTES:**
1. REFER TO DOOR SCHEDULE FOR DOORS IN INTERIOR SCREENS AND EXTERIOR GLAZING SYSTEMS. MATCH ALUMINUM DOOR FINISH TO ADJACENT CURTAIN WALL FINISH, UNO.
 2. REFER TO SPECIFICATIONS FOR GLASS TYPE INFORMATION.
 3. VERIFY ALL DIMENSIONS WITH SITE CONDITIONS PRIOR TO FABRICATION.
 4. REINFORCE ALL MULLIONS AS REQUIRED, BASED ON DIMENSIONS NOTED, TO MEET APPLICABLE CODE REQUIREMENTS REGARDING DESIGN LOADS AND DEFLECTION CRITERIA.
 5. PROVIDE BLACK GASKETS, SILICONE, AND SEALANT, UNO.
 6. INTERIOR CAVITY AT TOP AND BOTTOM OF ALL EXTERIOR CURTAIN WALL MULLIONS TO BE FILLED WITH LOW EXPANDING SPRAY FOAM INSULATION TO A MINIMUM DEPTH OF 75mm TYP.
 7. INTERIOR SCREEN DIMENSIONS INDICATED ARE FINISHED FRAME SIZE. COORDINATE REQUIRED ROUGH OPENINGS SIZES.

- ACOUSTIC PARTITION NOTES:**
1. FOR ALL ASSEMBLIES NOTED TO HAVE BATT INSULATION OR NOTED AS "ACOUSTIC", PROVIDE TWO CONTINUOUS BEAD OF ACOUSTIC SEALANT BETWEEN BOTTOM AND TOP TRACKS AND SUBSTRATES. PROVIDE PROGRESS PHOTOS DOCUMENTING INSTALLATION.
 2. PROVIDE CONTINUOUS FILL OF ACOUSTIC SEALANT AT PERIMETER GWB GAP TO SUBSTRATES, TYPICAL FOR ALL LAYERS OF GWB.
 3. PROVIDE JOINT FILLER ON PERIMETER OF EACH GWB PANEL, INCLUDING INTERNAL GWB LAYERS. SANDING IS NOT REQUIRED FOR LATTER. ENSURE ALL JOINTS ARE FILLED FLUSH.
 4. SEAL PERIMETER OF ALL PENETRATIONS THROUGH ACOUSTIC ASSEMBLIES. COORDINATE CLEARANCES TO NEARBY SERVICES TO ENSURE ACCESS THROUGHOUT INSTALLATION.
 5. WHERE ELECTRICAL JUNCTION BOXES ARE INSTALLED ON OPPOSITE SIDES OF ACOUSTIC PARTITIONS ENSURE EACH IS LOCATED IN A SEPARATE STUD SPACE.

- FR PARTITION NOTES:**
1. MAINTAIN THE FIRE RESISTANCE RATING CONSTRUCTION AROUND CABINETS, PANELS, AND BOXES RECESSED INTO FIRE RESISTANCE RATED ASSEMBLIES. ASSEMBLY TYPES AND FIRE RESISTANT RATINGS INDICATED ARE TO BE CONTINUOUS FOR THE LENGTH AND HEIGHT OF NOTED ASSEMBLY. FIRE STOP ALL PENETRANTS IN A FIRE RESISTANT RATED ASSEMBLY WITH A TESTED FIRE RESISTANCE RATED SYSTEM. PROVIDE SYSTEMS' SUBMITTALS FOR REVIEW / REFERENCE.
 2. PROVIDE 19mm DOUGLAS FIR PLYWOOD, GOOD ONE SIDE, WITH FIRE RETARDANT PAINT, FOR MOUNTING OF ALL ELECTRICAL PANELS, CABLING, COMMUNICATION, BELL, IT EQUIPMENT, ELECTRICAL EQUIPMENT AND SECURITY PANELS.
 3. ALL FIRE RATED ASSEMBLIES ARE LISTED WITH THE APPLICABLE UL/CUL TESTING ASSEMBLY CODE. ALL FIRE RATED PARTITIONS ARE TO BE CONSTRUCTED USING THE CONSTRUCTION METHOD AND COMPONENTS AS LISTED IN EACH TESTING REFERENCE STANDARD.

GENERAL NOTES HORIZONTAL ASSEMBLIES

- COORDINATION**
1. NOT USED
 2. APPROVE FLOOR OUTLET LOCATIONS PRIOR TO CORE DRILLING. INDICATE REVIEW IN PROJECT SCHEDULE.
 3. LEVEL FLOORS SO THAT THEY DO NOT EXCEED A 6mm VARIANCE IN A 3m RADIUS.
- CEILING NOTES:**
1. WHERE TEST REFERENCES ARE INDICATED, EQUIVALENTS MAY BE ACCEPTABLE IF THEY MATCH TEST RESULTS, VERIFIED BY 3rd PARTY TESTING AGENCY.
 2. REFER TO REFLECTED CEILING PLANS FOR HEIGHT OF CEILING ABOVE FINISHED FLOOR (AFF). FOR MULTI-HEIGHT SPACES, AFF REFERS TO THE FLOOR LEVEL BELOW NOTED CEILING.
 3. VERIFY ALL MECHANICAL AND ELECTRICAL SERVICES AND FIXTURE SPECIFICATIONS.
 4. QUANTITIES AND TYPES OF MECHANICAL AND ELECTRICAL FIXTURES SHALL BE AS PER MECHANICAL AND ELECTRICAL DOCUMENTS. EXACT LOCATIONS SHALL BE AS PER ARCHITECTURAL REFLECTED CEILING PLANS AND DETAILS AS INDICATED UNO.
 5. REFER TO ELECTRICAL DRAWINGS FOR FIRE EXIT SIGNAGE AND EMERGENCY LIGHTING.

- GEOMETRY**
1. LOCATE DETECTORS, ETC. ON ¼ POINT OF CENTRE POINT OF ACT PANELS, UNO.
 2. POSITION CEILING-MOUNTED EXIT SIGNS AND SMOKE DETECTORS AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.

- MATERIALS**
1. COORDINATE ACCESS DOORS LOCATIONS, IN GYPSUM BOARD CEILINGS, WITH LIGHTING AND ARCHITECTURAL PLAN. CONFIRM PROPOSED LOCATIONS ON COORDINATION DRAWING SUBMITTAL FOR REVIEW.
 2. DO NOT HANG (SUPPORT) ANY ITEMS FROM METAL ROOF DECK. IT IS ACCEPTABLE TO ATTACH CEILING SYSTEM WIRE HANGERS FROM JOISTS AND/ OR BEAMS. IF NO JOIST OR BEAM, PROVIDE A MISC STL.

SEAL

NOT FOR CONSTRUCTION

ISSUANCE		
NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER
D	2026-07-27	ISSUED FOR ADDENDUM 003

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS
PUBLIC WORKS
OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA # CLIENT #
26539

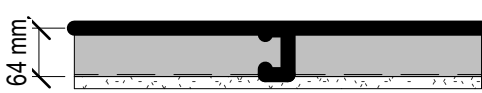
DRAWN BY CHECKED BY
MB/IP CWS

DATE SCALE
2026-06-29 As indicated

SHEET NAME
ASSEMBLIES HORIZONTAL
& VERTICAL

SHEET NO
A020

D (24"x36")

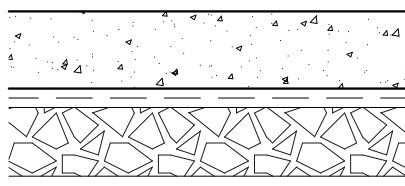


- SUSPENDED GYPSUM CEILING**
- 64mm METAL STUDS AT 400 C/C - SUSPENDED
 - 16mm GYPSUM BOARD
- GC**
- GCm** SAME AS GC EXCEPT
- SUBSTITUTE WITH MOISTURE RESISTANT GYPSUM WALL BOARD.
- GCx** SAME AS GC EXCEPT
- 2 LAYERS OF 16mm TYPE 'X' GYPSUM BOARD

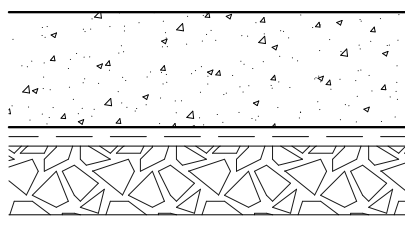
- SUSPENDED ACOUSTIC TILE CEILING**
- 610mm X 610mm SUSPENDED ACOUSTIC TILE
 - SUSPENDED ON CROSS 'T', EDGE MOLDING AND HANGING WIRE SECURED TO DECK OR STRUCTURE ABOVE
- ACT**

2 CEILING TYPES

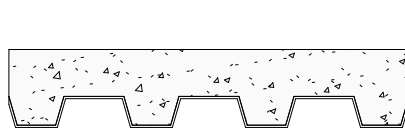
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- CF4**
- CONCRETE TYPES**
- 125mm REINFORCED CONCRETE SLAB
 - 6 mil VAPOUR BARRIER
 - COMPACTED GRAVEL



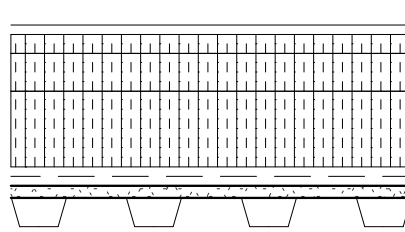
- CF6**
- 152mm REINFORCED CONCRETE SLAB
 - 6 mil VAPOUR BARRIER
 - COMPACTED GRAVEL



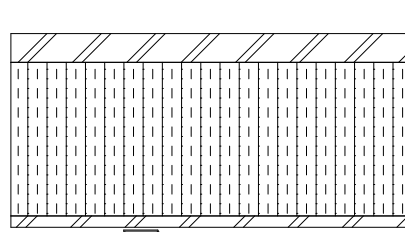
- FL1**
- 102mm CONCRETE SLAB
 - 38mm METAL DECKING

3 FLOOR TYPES

A020 1 : 10



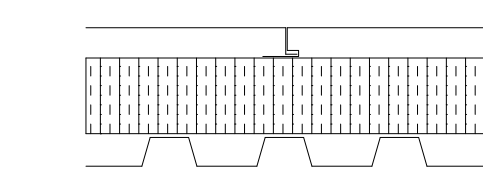
- R1**
- ROOF TYPES**
- 2-PLY MODIFIED BITUMEN MEMBRANE ROOF
 - 6mm PROTECTION BOARD
 - SLOPED/TAPERED POLYISOCYANURATE INSULATION BOARD
 - 200mm POLYISOCYANURATE INSULATION BOARD (2x LAYERS OF 100mm)
 - SELF-ADHESIVE AVB BARRIER
 - 16mm EXTERIOR GRADE GYPSUM ROOF DECK BOARD
 - 38mm METAL ROOF DECKING



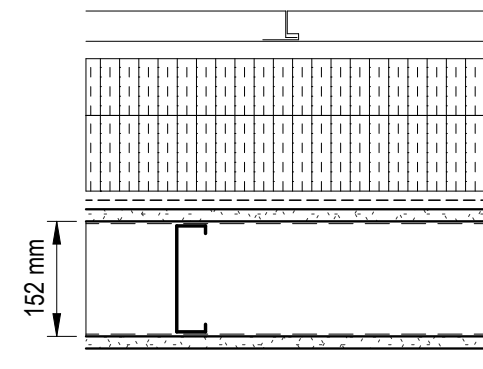
- MR**
- PRE-ENG METAL STANDING SEAM ROOFING SYSTEM
 - 203 SEMI-RIGID MINERAL WOOL INSULATION WITH PRE-ENG THERMAL SUPPORTS
 - PRE-ENG METAL LINER PANEL
 - PRE-ENG PURLIN STRUCTURE

4 ROOF TYPES

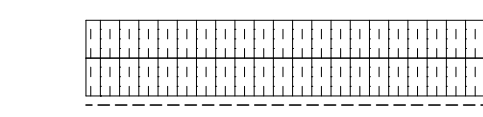
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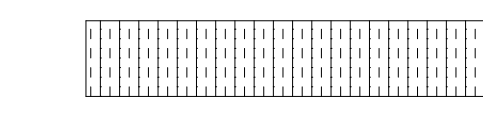
- MC1**
- EXTERIOR CLADDING**
- PRE-ENG METAL SIDING (SEE SPECIFICATION FOR MATERIAL AND ELEVATION FOR LOCATION)
 - PRE-ENG GIRT C/W MINERAL WOOL INSULATION
 - PRE-ENG METAL LINER PANEL, ALL JOINTS TO BE SEALED.
- PRE-ENG WALL CONSTRUCTION TO BE COORDINATED WITH MANUFACTURER.



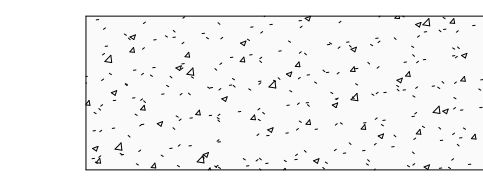
- MC4**
- PREFORMED METAL SIDING (SEE SPECIFICATION FOR MATERIAL AND ELEVATION FOR LOCATION)
 - 102mm ADJUSTABLE VERTICAL THERMAL CLIPS WITH 102mm HORIZONTAL Z-GIRT. FILL WITH 75mm TYPE 1 MINERAL WOOL INSULATION (OUTER LAYER) AND 102mm TYPE 2 MINERAL WOOL INSULATION (INNER LAYER).
 - SELF-ADHESIVE AVB MEMBRANE
 - 16mm EXTERIOR GRADE FIBERGLASS MAT FACED GYPSUM SHEATHING
 - 152mm METAL STUDS AT 406 C/C
 - 16mm GYPSUM BOARD



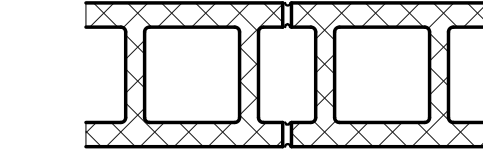
- I4.0**
- FOUNDATION INSULATION**
- STRUCTURAL FOUNDATION WALL
 - WATER PROOFING MEMBRANE SYSTEM (BELOW GRADE) WITH DRAINAGE BOARD
 - 50mm PRE-FACED CEMENT BOARD INSULATION & 50mm EXTRUDED POLYSTYRENE RIGID INSULATION (TOP 610mm OF FOUNDATION WALL) & 100mm EXTRUDED POLYSTYRENE RIGID INSULATION (REMAINDER OF WALL TO TOP OF FOOTINGS)



- I4.1**
- STRUCTURAL FOUNDATION WALL
 - 100mm EXTRUDED POLYSTYRENE RIGID INSULATION (INTERIOR SIDE) FROM TOP OF FOOTINGS TO UNDERSIDE OF CONCRETE SLAB.

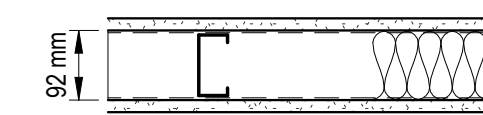


- C8**
- CONCRETE WALL**
- 200mm CONCRETE WALL, REFER TO STRUCTURAL DRAWINGS



- B8**
- CONCRETE BLOCK**
- 190mm HOLLOW CORE CONCRETE BLOCK (S or N (Normal Weight))
- AS B8 EXCEPT
- 190mm 75% SOLID CONCRETE BLOCK (S or N (Normal Weight)) (SB-2 2HR EQUIVALENT THICKNESS FIRE RESISTANCE RATING)
- AS B8 EXCEPT
- 240mm HOLLOW CORE CONCRETE BLOCK (S or N (Normal Weight)) (SB-2 2HR EQUIVALENT THICKNESS FIRE RESISTANCE RATING)

ALL COMPONENTS SHALL EXTEND TO UNDERSIDE OF DECK/SLAB ABOVE.



- M4**
- METAL STUD**
- 16mm GYPSUM BOARD
 - 92mm METAL STUDS AT 406 C/C
 - 16mm GYPSUM BOARD

- M4s**
- SAME AS M4 EXCEPT
- 92mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION

- M4s**
- SAME AS M4 EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION

- M4s**
- SAME AS M4s EXCEPT
- SUBSTITUTE WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.

- M4s**
- SAME AS M4s EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION

- M4s**
- SAME AS M4 EXCEPT
- SUBSTITUTE WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.

- M4s**
- SAME AS M4 EXCEPT
- SUBSTITUTE BOTH LAYERS OF GYPSUM BOARD WITH TILE BACKER BOARD WHERE TILE INSTALLED, REFER TO FINISHES PLANS AND ELEVATIONS FOR LOCATIONS.

- M4s**
- SAME AS M4 EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION

- M4s**
- SAME AS M4 EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION

- M4s**
- SAME AS M4 EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION

- M4s**
- SAME AS M4 EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION

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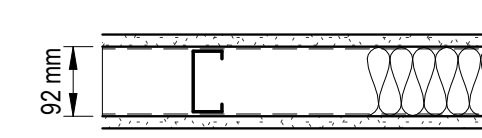
- M4s**
- SAME AS M4 EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION

- M4s**
- SAME AS M4 EXCEPT
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- M4s**
- SAME AS M4 EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION



- M4x**
- METAL STUD - FIRE RATED**
- 16mm TYPE 'X' GYPSUM BOARD
 - 92mm METAL STUDS AT 406 C/C C/W 90mm SOUND ATTENUATING BATT INSULATION
 - 16mm TYPE 'X' GYPSUM BOARD
- 1 HOUR FIRE RESISTANCE RATING
- U.L.C. DESIGN No. W407 & OBC SB-3 (S4a)

- M6x**
- SAME AS M4x EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 150mm SOUND ATTENUATING BATT INSULATION

- M4xx**
- 1 HOUR FIRE RESISTANCE RATING
- U.L.C. DESIGN No. W407 & OBC SB-3 (S7a)

- M4xx**
- SAME AS M4x EXCEPT
- 2 LAYERS OF 16mm TYPE 'X' GYPSUM BOARD (BOTH SIDES)

- M4xx**
- 2 HOUR FIRE RESISTANCE RATING
- U.L.C. DESIGN No. W407 & OBC SB-3 (S6a)

- M6xx**
- SAME AS M4xx EXCEPT
- 152mm METAL STUDS AT 406 C/C C/W 150mm SOUND ATTENUATING BATT INSULATION

- M6xx**
- 2 HOUR FIRE RESISTANCE RATING
- U.L.C. DESIGN No. W407 & OBC SB-3 (S8a)

- M6xx**
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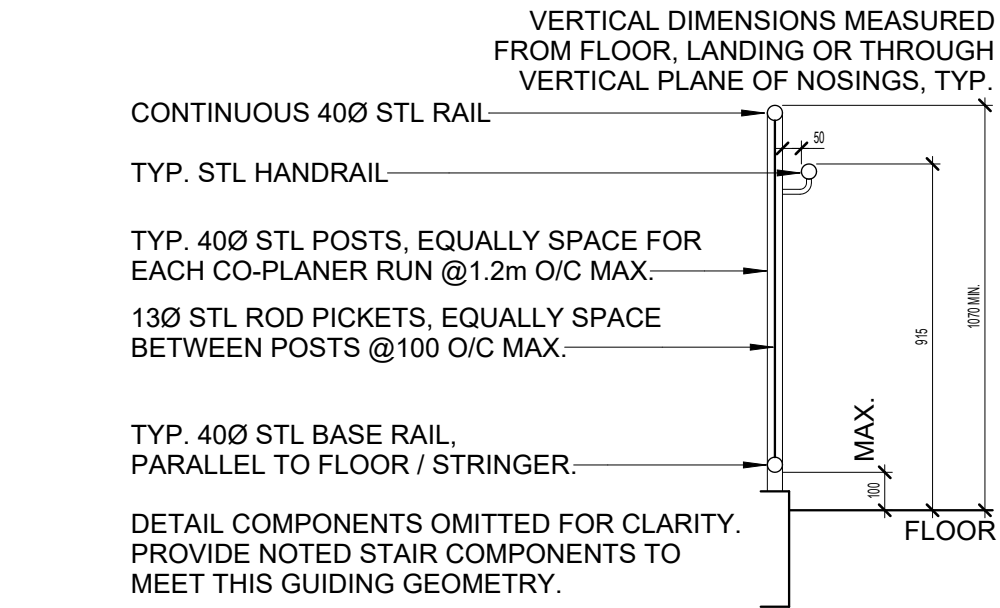
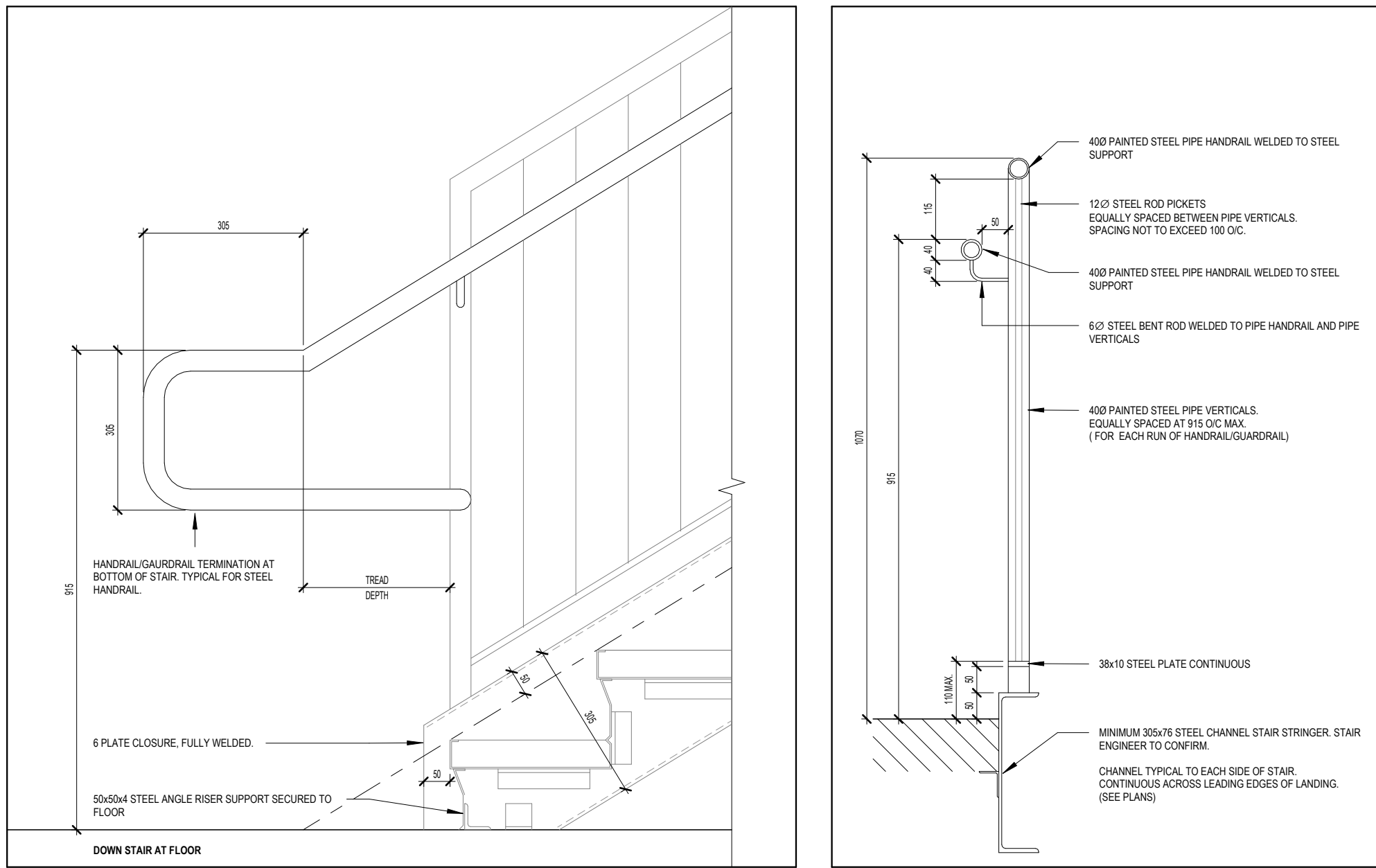
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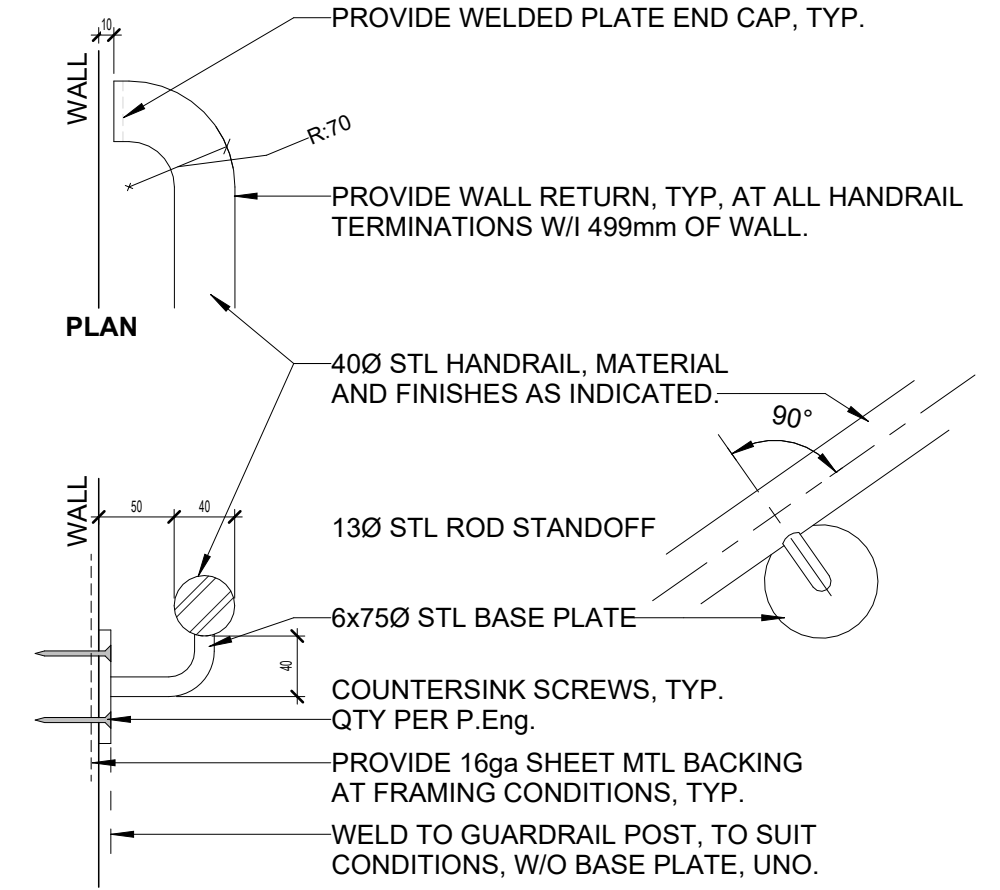
- M6xx**
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- U.L.C. DESIGN No. W407 & OBC SB-3 (S8a)

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER
D	2026-07-27	ISSUED FOR ADDENDUM 003



3 SECTION DETAIL - TYP. STAIR GUARDRAIL

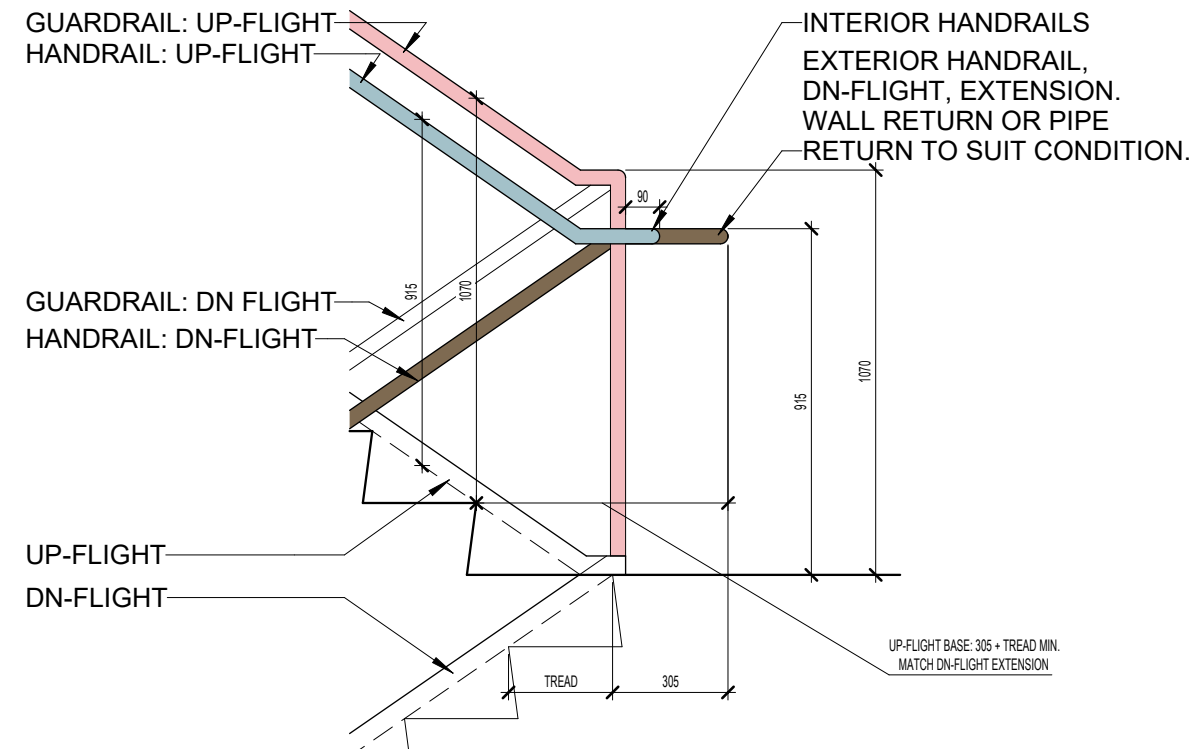
A022 1 : 20



- SECTION**
1. PROVIDE MATL AND FINISHES AS NOTED. MINIMUM. PAINTED STEEL.
 2. AT LOCATIONS OUTSIDE THE BUILDING ENVELOPE, PROVIDE GALV. STL. MINIMUM. UNO.
 3. FILL ALL SITE-ASSEMBLY GAPS AND VOIDS WITH BONDO FILLER PER MANUFACTURER'S INSTRUCTIONS.
 4. PROVIDE A PAINTED FINISH, AS NOTED, FREE OF RUNS AND DRIPS, TYP.
 5. PROVIDE BASE PLATE AND STANDOFF @ 1.22m O/C, MAX., EQUALLY-SPACED ON EACH RUN, UNO.
- ELEVATION**

A2 DETAIL - TYP. STL HANDRAIL

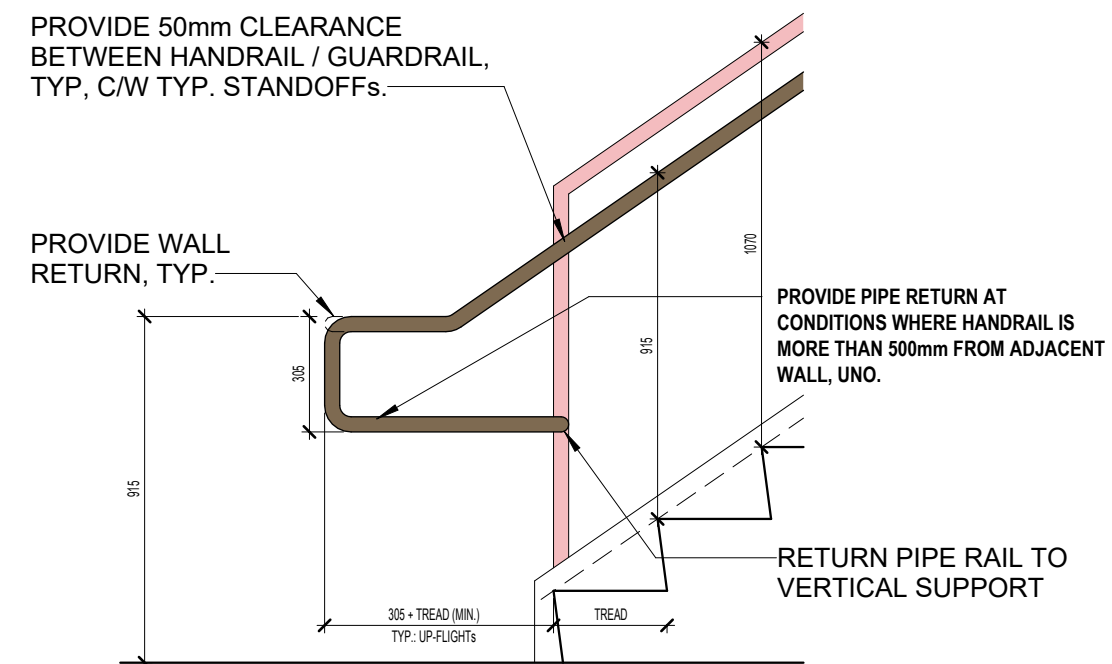
A022 1 : 5



SCHEMATIC ELEVATION
DETAIL COMPONENTS OMITTED FOR CLARITY. PROVIDE NOTED STAIR COMPONENTS TO MEET THIS GUIDING GEOMETRY.

B1 SECTION DETAIL - TYP. STAIR HANDRAIL TOP EXTENSIONS

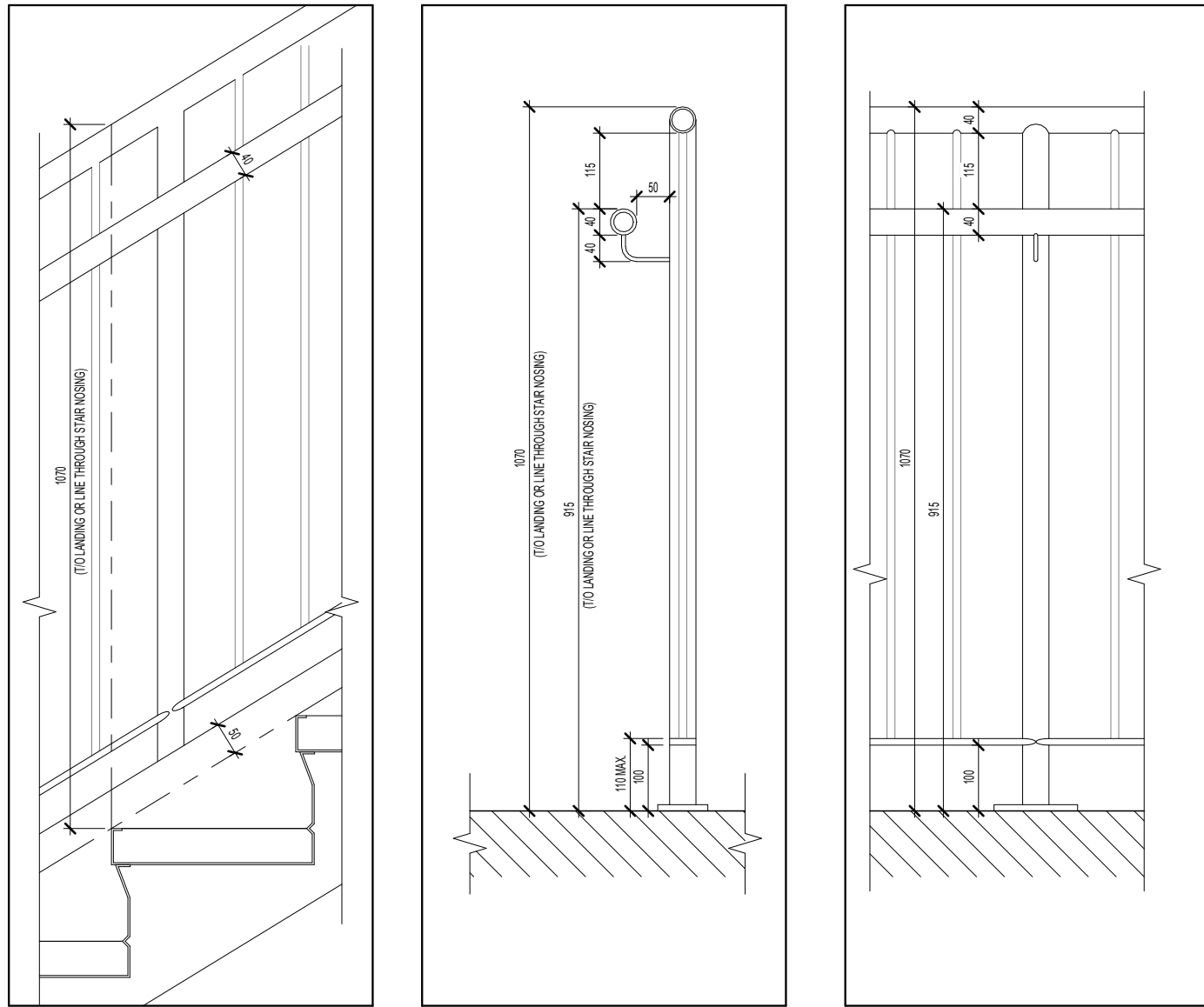
A022 1 : 20



SCHEMATIC ELEVATION
DETAIL COMPONENTS OMITTED FOR CLARITY. PROVIDE NOTED STAIR COMPONENTS TO MEET THIS GUIDING GEOMETRY.

A1 SECTION DETAIL - TYP. STAIR HANDRAIL BASE EXTENSION

A022 1 : 20

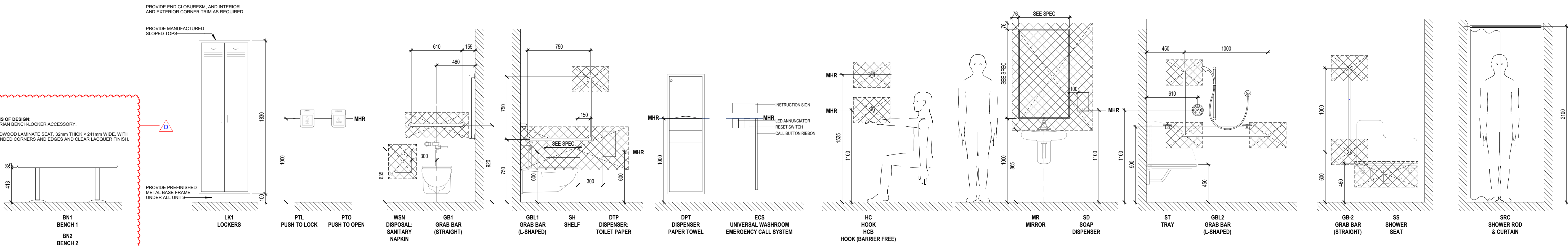


4 STAIRS DETAILS - HANDRAIL/GUARDRAIL ON STRINGER

A022 1 : 10

LEGEND / GENERAL NOTES:

1. MOUNTING HEIGHT REFERENCE AS ILLUSTRATED. THESE ARE: B/O, T/O, MID-LINE, PER MANUFACTURER'S "OPERATING HT", UNO.
2. PROVIDE PARTITION BLOCKING AND REINFORCING, TYP. VERIFY MANUFACTURER'S RECOMMENDATION.



1 TYP. MOUNTING HEIGHTS

A022 1 : 25

GENERAL NOTES

1. DO NOT SCALE THE DRAWINGS.
2. NOT FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY THE ARCHITECT.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND REPORT ALL ERRORS AND OMISSIONS TO THE ARCHITECT.

PROJECT

TOWN OF SMITH FALLS
**PUBLIC WORKS
OPERATIONS CENTRE**

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA

26539

CLIENT

DRAWN BY

MB/IP

CHECKED BY

CWS

DATE

2026-07-27

SCALE

As indicated

SHEET NAME

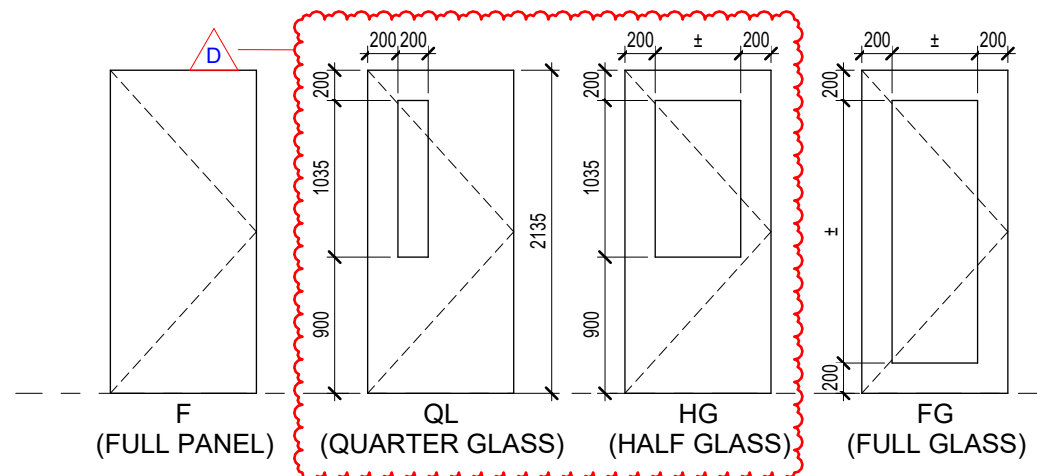
TYPICAL DETAILS
MOUNTING HEIGHTS

SHEET NO

A022

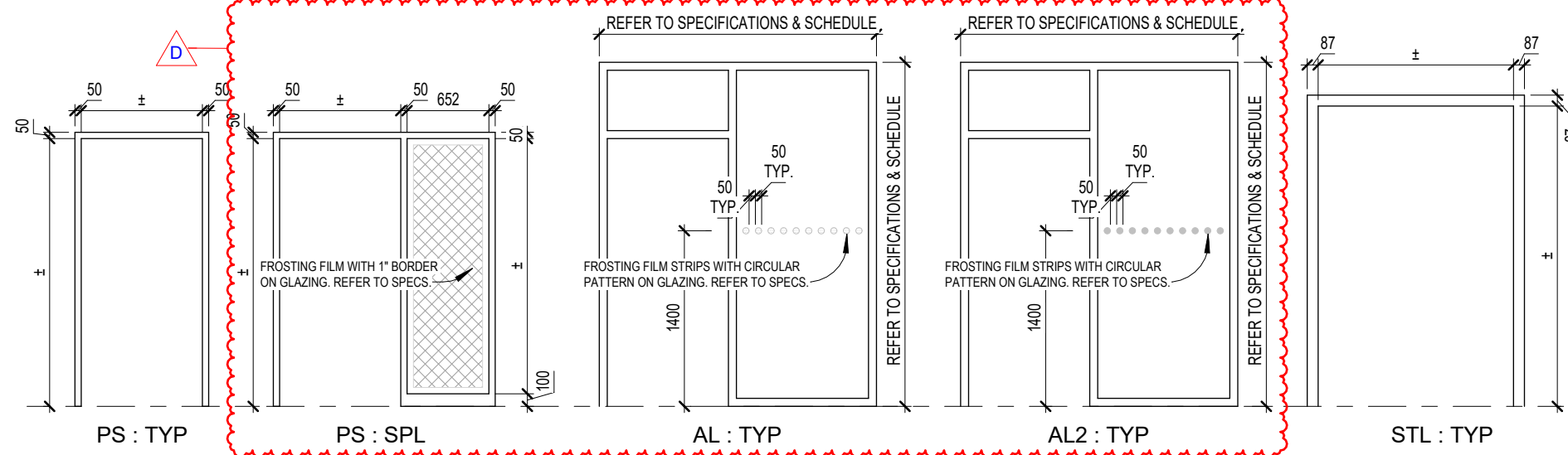
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LEGEND - DOOR PANEL TYPES



DETAIL CHARACTERISTICS PER SPECIFICATIONS. IF UNSPECIFIED, PROVIDE PER TYPICAL MANUFACTURER'S PUBLISHED CHARACTERISTICS, UNO.

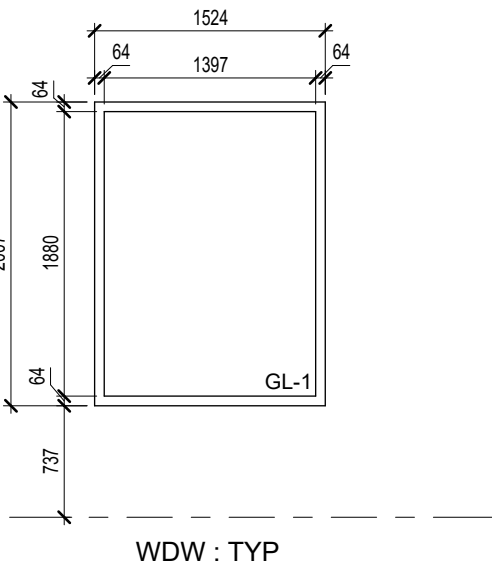
LEGEND - DOOR FRAME TYPES



DETAIL CHARACTERISTICS PER SPECIFICATIONS. IF UNSPECIFIED, PROVIDE PER TYPICAL MANUFACTURER'S PUBLISHED CHARACTERISTICS, UNO.

Window Schedule		
Mark	Height	Width
101	2007	1524
102	2007	1524
103	2007	1524
106	2007	1524
107	2007	1524
108	2007	1524
109	2007	1524
110	2007	1524
111	2007	1524
111	2007	1524
112	2007	1524
113	2007	1524

LEGEND - WINDOW SCREEN TYPES



DOORS SCHEDULE - MAIN BUILDING

DOOR CHARACTERISTICS					FRAME CHARACTERISTICS			SYSTEM CHARACTERISTICS		COMMENTS
No.	SIZE (T x W x H)	PANEL TYPE(S)	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	FIRE RATING	HARDWARE	
LEVEL 1										
100.1	52 x 1016 x 2135	FG : TYP	AL	AL BLK	AL2 : TYP	AL	AL BLK			
100.2	52 x 1016 x 2135	FG : TYP	AL	AL BLK	AL : TYP	AL	AL BLK			
101.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : SPL	PS	PT2			
102.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : SPL	PS	PT2			
103.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : SPL	PS	PT2			
104.1	45 x 965 x 2135	FG : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
105.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : SPL	PS	PT2			
107.1	52 x 1016 x 2135	FG : TYP	AL	AL BLK	AL2 : TYP	AL	AL BLK			
107.2	52 x 1016 x 2135	FG : TYP	AL	AL BLK	AL : TYP	AL	AL BLK			
108.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : SPL	PS	PT2			
109.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : SPL	PS	PT2			
110.1	45 x 965 x 2135	FG : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
111.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : SPL	PS	PT2			
112.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : SPL	PS	PT2			
113.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : SPL	PS	PT2			
114.1	52 x 1168 x 2135	FG : TYP	AL	AL BLK	AL2 : TYP	AL	AL BLK			
114.2	52 x 1016 x 2135	FG : TYP	AL	AL BLK	AL : TYP	AL	AL BLK			
115.1	45 x 965 x 2135	FG : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
116.1	45 x 965 x 2135	FG : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
117.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
118.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
119.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
120.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
121.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
122.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : TYP	PS	PT2	1HR		
123.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
124.1	45 x 965 x 2135	F : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
125.1	45 x 965 x 2135	QL : TYP	SC WD	S&V FF	PS : TYP	PS	PT2			
126.1	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2	2HR		
126.2	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2	2HR		
127.1	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.2	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.3	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.4	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.5	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.6	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.7	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.8	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.9	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
127.10	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
128.1	45 x 965 x 2135	QL : TYP	INS. HM	PT3	PS : TYP	TB. PS	PT3			
128.2	45 x 965 x 2135	QL : TYP	HM	PT2	PS : TYP	PS	PT2			
129.1	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
130.1	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
131.1	45 x 965 x 2135	QL : TYP	HM	PT2	PS : TYP	PS	PT2			
133.1	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
134.1	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
135.1	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
136.1	45 x 965 x 2135	QL : TYP	HM	PT2	PS : TYP	PS	PT2			
138.1	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2			
139.1	45 x 965 x 2135	HG : TYP	HM	PT2	PS : TYP	PS	PT2			
140.1	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2	2HR		
141.1	45 x 965 x 2135	F : TYP	HM	PT3	PS : TYP	PS	PT3			
141.2	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2	1HR		
142.1	45 x 965 x 2135	QL : TYP	INS. HM	PT3	PS : TYP	TB. PS	PT3			
142.2	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
143.1	45 x 965 x 2135	QL : TYP	INS. HM	PT3	PS : TYP	TB. PS	PT3			
143.2	51 x 5486 x 4877				STL : TYP	STL	GALV			OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
T/O MEZZANINE										
202.1	45 x 965 x 2135	QL : TYP	HM	PT2	PS : TYP	PS	PT2	1HR		
203.1	45 x 965 x 2135	F : TYP	HM	PT2	PS : TYP	PS	PT2	1HR		

DOORS SCHEDULE - COLD STORAGE

DOOR CHARACTERISTICS					FRAME CHARACTERISTICS			SYSTEM CHARACTERISTICS		COMMENTS
No.	SIZE (T x W x H)	PANEL TYPE(S)	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	FIRE RATING	HARDWARE	
LEVEL 1										
300.1	45 x 965 x 2135	QL : TYP	INS. HM	PT3	PS : TYP	TB. PS	PT3	1HR		OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
300.2	51 x 4267 x 4267				STL : TYP	STL	GALV			
300.3	51 x 4267 x 4267				STL : TYP	STL	GALV			
300.4	51 x 4267 x 4267				STL : TYP	STL	GALV			
300.5	51 x 4267 x 4267				STL : TYP	STL	GALV			
300.6	45 x 965 x 2135	QL : TYP	INS. HM	PT2	PS : TYP	TB. PS	PT2	1HR		OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS
301.1	45 x 965 x 2135	QL : TYP	INS. HM	PT3	PS : TYP	TB. PS	PT3			
301.2	51 x 4267 x 4267				STL : TYP	STL	GALV			
OVERHEAD SECTIONAL DOOR, REFER TO SPECIFICATIONS										

GENERAL DOOR NOTES

DETAIL CHARACTERISTICS PER SPECIFICATIONS. IF UNSPECIFIED, PROVIDE PER TYPICAL MANUFACTURER'S PUBLISHED CHARACTERISTICS, UNO.

- A. COORDINATION**
1. VERIFY ALL DIMENSIONS, INCLUDING SIZES FOR FRAMES AND DOORS ON SITE PRIOR TO FABRICATING DOORS AND FRAMES.
- B. GEOMETRY**
1. DOOR WIDTH IS THE LEAF SIZE IN MILLIMETERS FOR SINGLE DOORS AND FOR BOTH LEAVES IN A PAIR OF DOORS OF EQUAL WIDTH.
 2. ALL DOORS NOMINALLY 45mm THICK UNO.
 3. EXTEND DOOR TRANSOM HEIGHTS TO THE UIS OF THE CEILING, UNO.
- C. MATERIAL**
1. FIRE RATING IS FOR THE FIRE PROTECTION RATING IN MINUTES OR HOURS (45 MIN. OR 3/4 HOUR OR 0.75 HR). DOORS IN NON-RATED FIRE SEPARATIONS (SMOKE SEPARATIONS) ARE INDICATED AS 0 HOUR.

DOOR AND SCREEN ABBREVIATIONS

AL ALUMINUM
BLK BLACK
DMD DEMOUNTABLE PARTITION DOOR
GALV GALVANIZED
GL GLASS
HM HOLLOW METAL
INS INSULATED
PS PRESSED STEEL
PT2 PAINT
S&V FF STAIN AND CLEAR COAT FACTORY FINISH
STL STEEL
T TEMPERED
TB THERMAL BRAKE

FINISHES LEGEND

DOORS AND FRAMES FINISHES

PT2 - DOOR AND WINDOW FRAME PAINT
PRODUCT: SHERWIN-WILLIAMS
COLOUR: SW 7017 DORIAN GRAY

PT3 - DOOR AND WINDOW FRAME PAINT
PRODUCT: SHERWIN-WILLIAMS
COLOUR: SW 6258 TRICORN BLACK

WV - DOOR PANEL
WOOD VENEER
NATURAL WHITE OAK

IDEA

310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
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SEAL

NOT FOR CONSTRUCTION

ISSUANCE

NO	DATE	ISSUE
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D	2026-07-27	ISSUED FOR ADDENDUM 003

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PROJECT

TOWN OF SMITH FALLS
**PUBLIC WORKS
OPERATIONS CENTRE**

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #

26539

CLIENT #

DRAWN BY

MB/IP

CHECKED BY

CWS

DATE

2026-07-27

SCALE

As indicated

SHEET NAME

**DOORS & GLAZING
SCHEDULES**

SHEET NO

A050

D (24"x36")

ISSUANCE	NO	DATE	ISSUE
	A	2026-05-08	ISSUED FOR REVIEW
	B	2026-06-01	ISSUED FOR FINAL REVIEW
	C	2026-06-29	ISSUED FOR PERMIT AND TENDER
	D	2026-07-27	ISSUED FOR ADDENDUM 003

- GENERAL NOTES
- THESE DOCUMENTS HAVE BEEN DEVELOPED BASED ON EXISTING INFORMATION PROVIDED BY OWNER.
 - FIRE RESISTANCE RATINGS (FRR) ON EXISTING (EX) ASSEMBLIES IDENTIFICATION BASED ON AS-BUILT DOCUMENTS AND LIMITED SITE SURVEY. THEY ARE IDENTIFIED HEREIN FOR CONTEXT, UNLESS NOTED OTHERWISE (UNO).
 - REFER TO ELECTRICAL FOR SMOKE DETECTION AND FIRE ALARM INFORMATION.

LEGEND
THIS DRAWING TO BE READ IN CONJUNCTION WITH SPECIFICATION, PLANS, SECTIONS & DETAILS.

FIRE SEPARATIONS		FRR = 4 HOURS
(4HR)	(4HR)	FRR = 4 HOURS
(3HR)	(3HR)	FRR = 3 HOURS
(2HR)	(2HR)	FRR = 2 HOURS
(1HR)	(1HR)	FRR = 1 HOUR
(0HR)	(0HR)	FRR = 0 HOURS

FIRE EXTINGUISHER (SUPPLIED & INSTALLED BY DIV. 10)	
FE-SR	SURFACE MOUNT (BRACKET)
FE-SUR	SURFACE MOUNT TO WALL
FE-SC	SEMI-RECESSED (CABINET)
FHC-SM	HOSE CABINET SURFACE MOUNTED
FHC-SR	HOSE CABINET SEMI-RECESSED
	FIRE HOSE & RADIUS

EXITING	
TRAVEL DISTANCE	EXIT
ACCESSIBILITY	
BARRIER FREE ENTRANCE	Ø1100 TURNING DIAMETER
	Ø1700 TURNING DIAMETER

MAJOR OCCUPANCY CLASSIFICATIONS

A2	A2	A3	GROUP A - DIVISION 2
D	D		GROUP D
F2	F2	F3	GROUP F - DIVISION 2
F3	F3		GROUP F - DIVISION 3

PROJECT NORTH	TRUE NORTH

- GENERAL NOTES
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PROJECT
**TOWN OF SMITH FALLS
PUBLIC WORKS
OPERATIONS CENTRE**

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #
26539

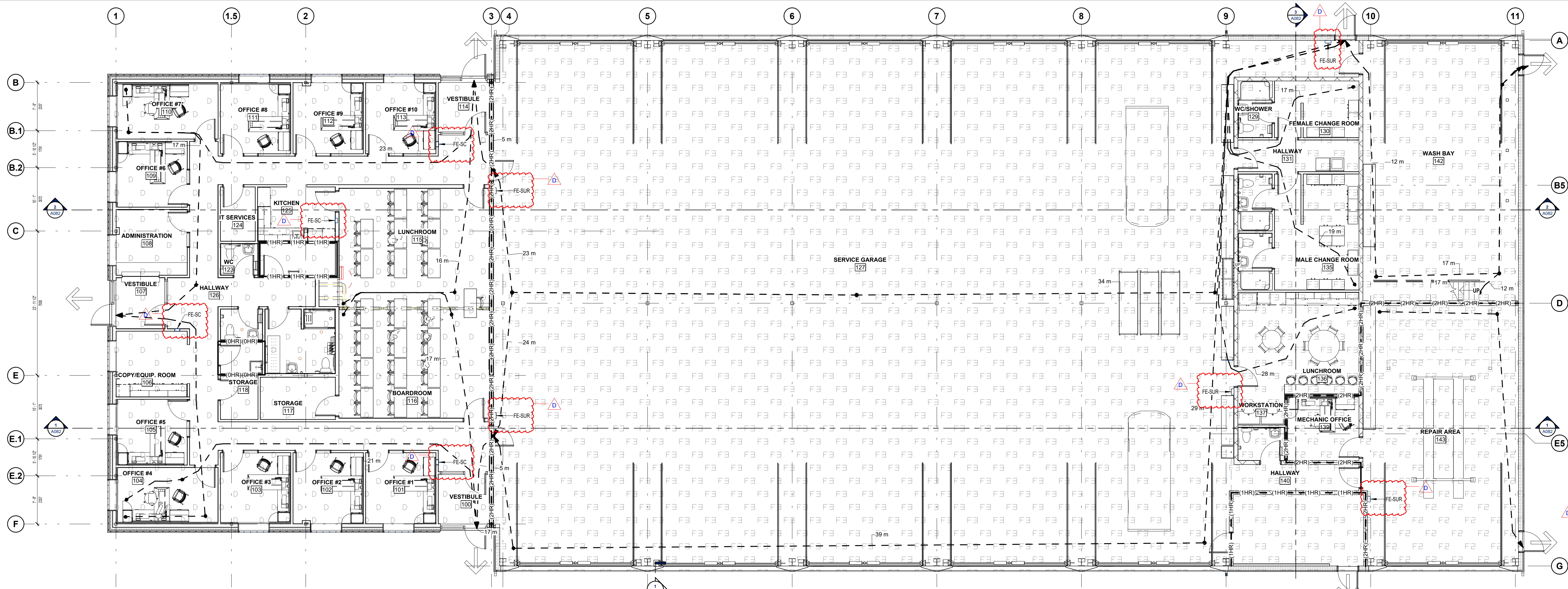
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MB/IP

DATE
2026-07-27

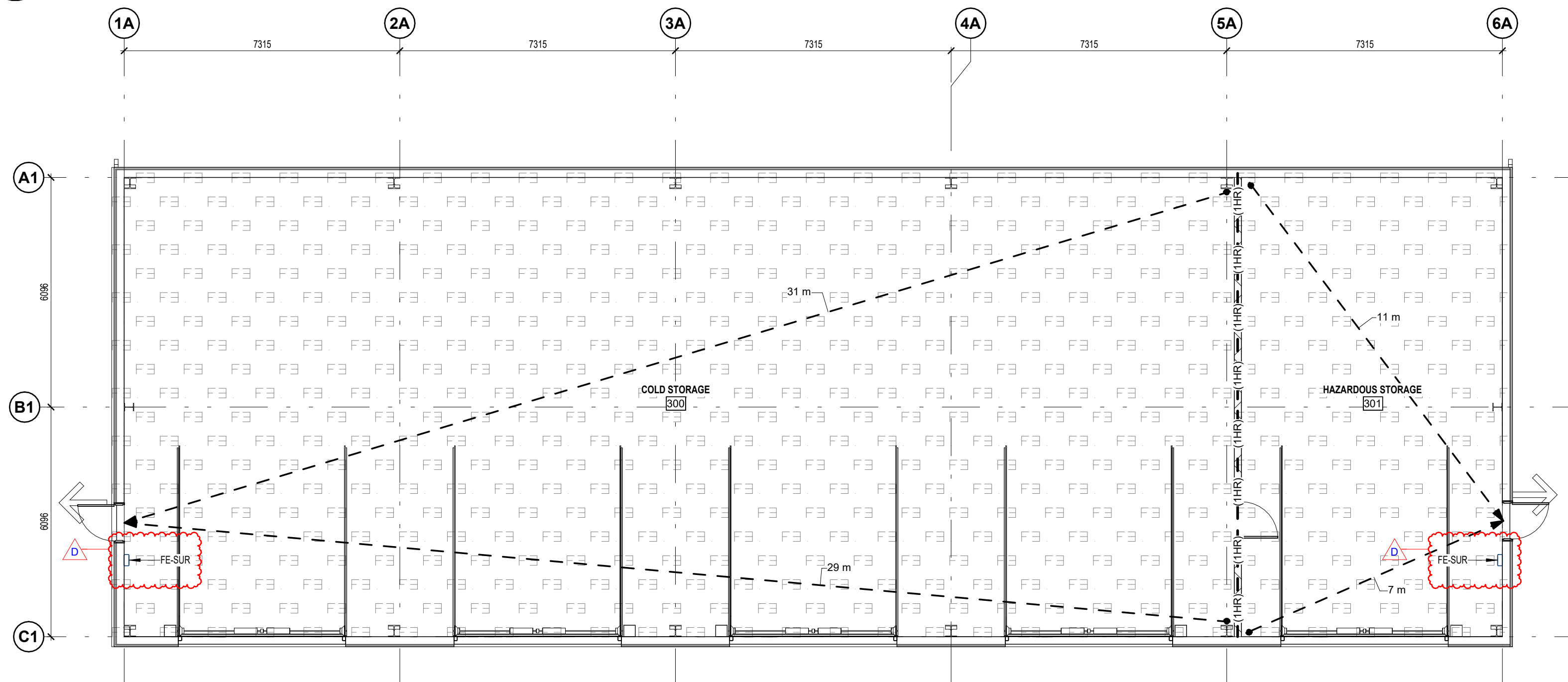
SHEET NAME
CODE COMPLIANCE - PLAN

SHEET NO
A081

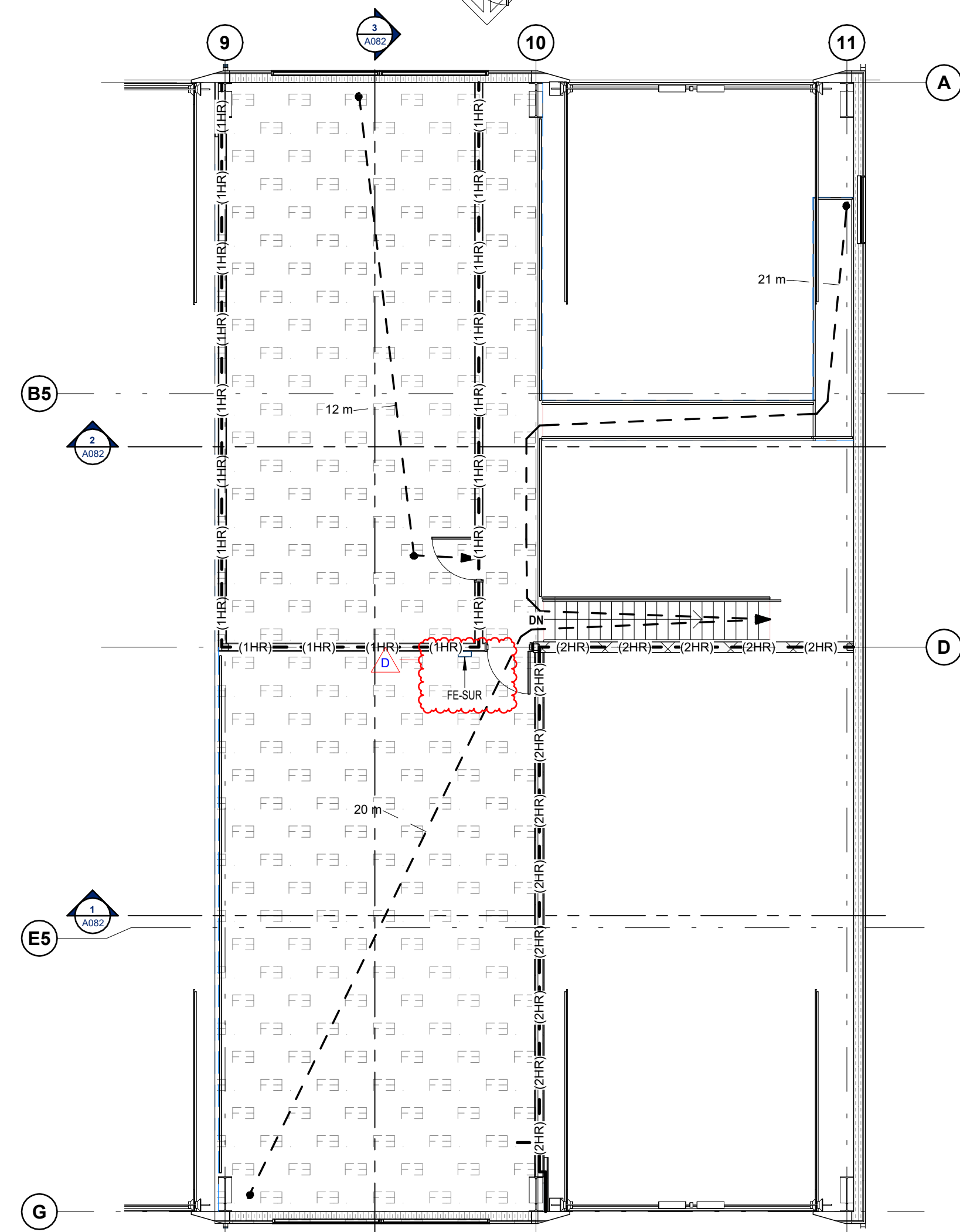
D (24"x36")



1 GROUND OVERALL - MAIN BUILDING CODE COMPLIANCE PLAN
A081 1 : 100



4 GROUND OVERALL - COLD STORAGE CODE COMPLIANCE PLAN
A081 1 : 100



3 MEZZANINE - CODE COMPLIANCE
A081 1 : 100

NO	DATE	ISSUE
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DEMO LEGEND

- GRASS AREA TO DEMOLISH
- ASPHALT PAVING
- CONCRETE WALKWAY
- GRAVEL PAVING



PLANTING

- PROPERTY LINE
- SETBACK LINE
- CENTRELINE
- EX. FENCE LINE

FH FIRE HYDRANT

LS LIGHT STANDARD

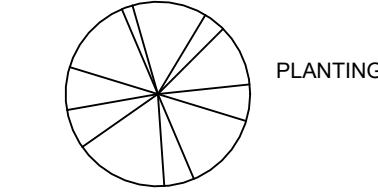
FDC FIRE DEPARTMENT CONNECTION

HY HYDRO POLE

BD BOALLARD

LEGEND EXISTING

- GRASS AREA
- ASPHALT PAVING
- CONCRETE WALKWAY
- GRAVEL PAVING



PLANTING

- PROPERTY LINE
- SETBACK LINE
- CENTRELINE
- FENCE LINE

FH FIRE HYDRANT

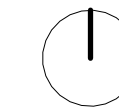
LS LIGHT STANDARD

FDC FIRE DEPARTMENT CONNECTION

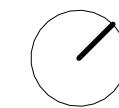
HY HYDRO POLE

BD BOALLARD

PROJECT NORTH



TRUE NORTH



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PROJECT

TOWN OF SMITHS FALLS
PUBLIC WORKS
OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #

26539

CLIENT #

DRAWN BY

IP/CWS

CHECKED BY

CWS

DATE

2026-07-27

SCALE

As indicated

SHEET NAME

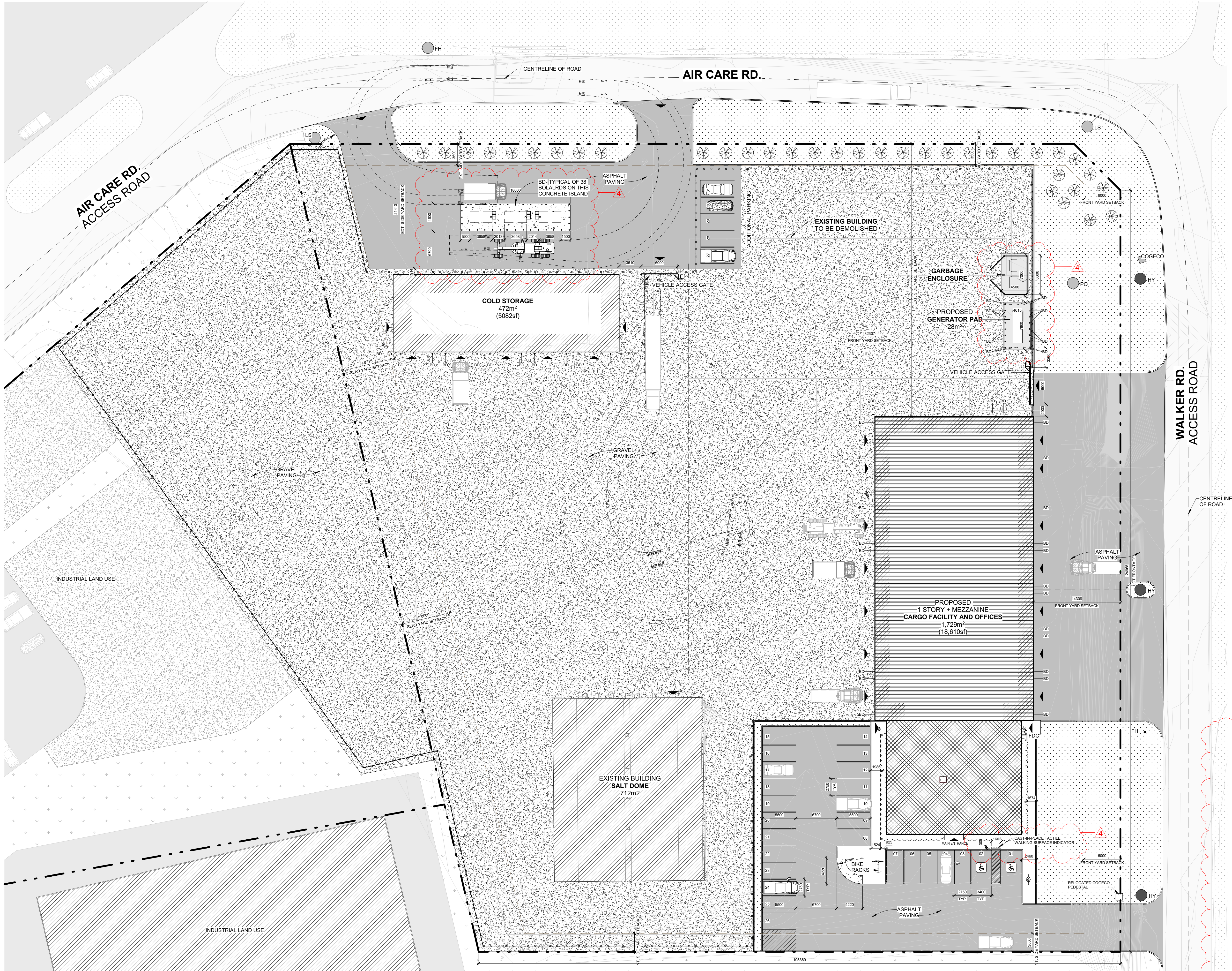
DEMOLITION SITE PLAN

SHEET NO

AD101

D (24"x36")

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LEGEND

- GRASS AREA
ASPHALT PAVING
CONCRETE WALKWAY
GRAVEL PAVING
TWSI
- PLANTING
- PROPERTY LINE
SETBACK LINE
CENTRELINE
NEW FENCE LINE
- FH FIRE HYDRANT
LS LIGHT STANDARD
FDC FIRE DEPARTMENT CONNECTION
HY HYDRO POLE
BD BOALLARD

SITE DATA

LEGAL DESCRIPTION:

X

ZONING DESIGNATION:

M2 - LIGHT INDUSTRIAL ZONE

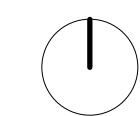
USE:

INDUSTRIAL OR BUSINESS SERVICE OFFICE

REQUIRED SETBACKS:

FRONT YARD (m)	REQUIRED 6
ACTUAL	14.3
REAR YARD (m)	REQUIRED 8
ACTUAL	69.6
INTERIOR SIDE YARD (m)	REQUIRED 3
ACTUAL	19.2
EXTERIOR SIDE YARD (m)	REQUIRED 3.5
ACTUAL	44.7
MAXIMUM BUILDING HEIGHT (m)	REQUIRED 22
ACTUAL	8.8
MINIMUM LOT FRONTAGE (m)	REQUIRED NO MINIMUM
ACTUAL	N/A
MINIMUM LOT AREA (m ²)	REQUIRED NO MINIMUM
ACTUAL	15,985
MINIMUM LANDSCAPED OPEN SPACE (%)	REQUIRED 20
ACTUAL	20
MAXIMUM FLOOR SPACE INDEX	REQUIRED 1.5
ACTUAL X	
REQUIRED PARKING (Area C of ZBL):	
OFFICE (1 SPACE/34m ² OF GFA)	
REQUIRED	17
ACTUAL	17
WAREHOUSE (1 SPACE/120m ² OF GFA)	
REQUIRED	14
ACTUAL	14
TOTAL	
REQUIRED	31
ACTUAL	31
NUMBER OF ACCESSIBLE SPACES	
REQUIRED	1
ACTUAL	2
BICYCLE PARKING (1/1,000m ² OF WAREHOUSE)	
(1 /250m ² OF OFFICE)	
REQUIRED	4
ACTUAL	4

PROJECT NORTH



TRUE NORTH



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PROJECT

TOWN OF SMITHS FALLS
**PUBLIC WORKS
OPERATIONS CENTRE**

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #

CLIENT #

26539

DRAWN BY
IP/CWS

CHECKED BY
CWS

DATE

2026-07-27

SCALE
As indicated

SHEET NAME

SITE PLAN

SHEET NO

A101

D (24"x36")

IDEA
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integrateddesign.ca

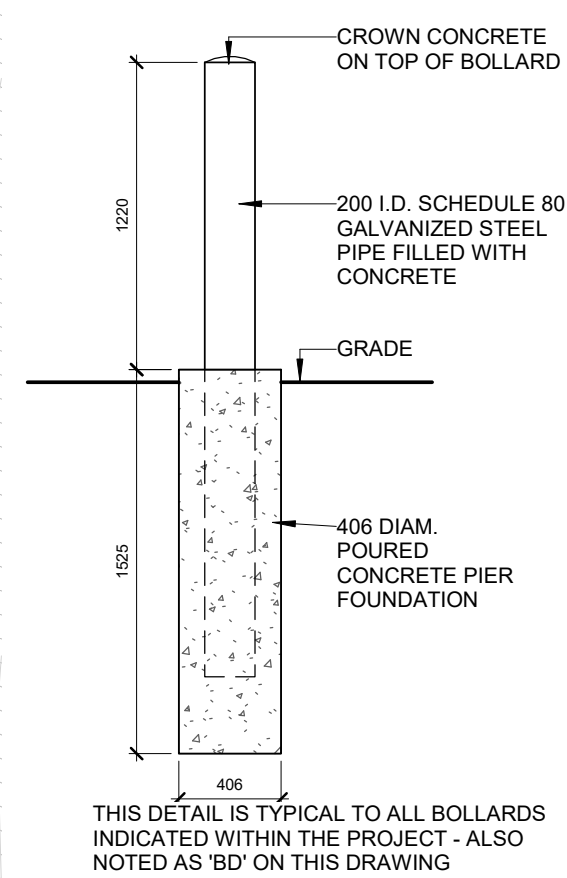
SEAL

NOT FOR CONSTRUCTION

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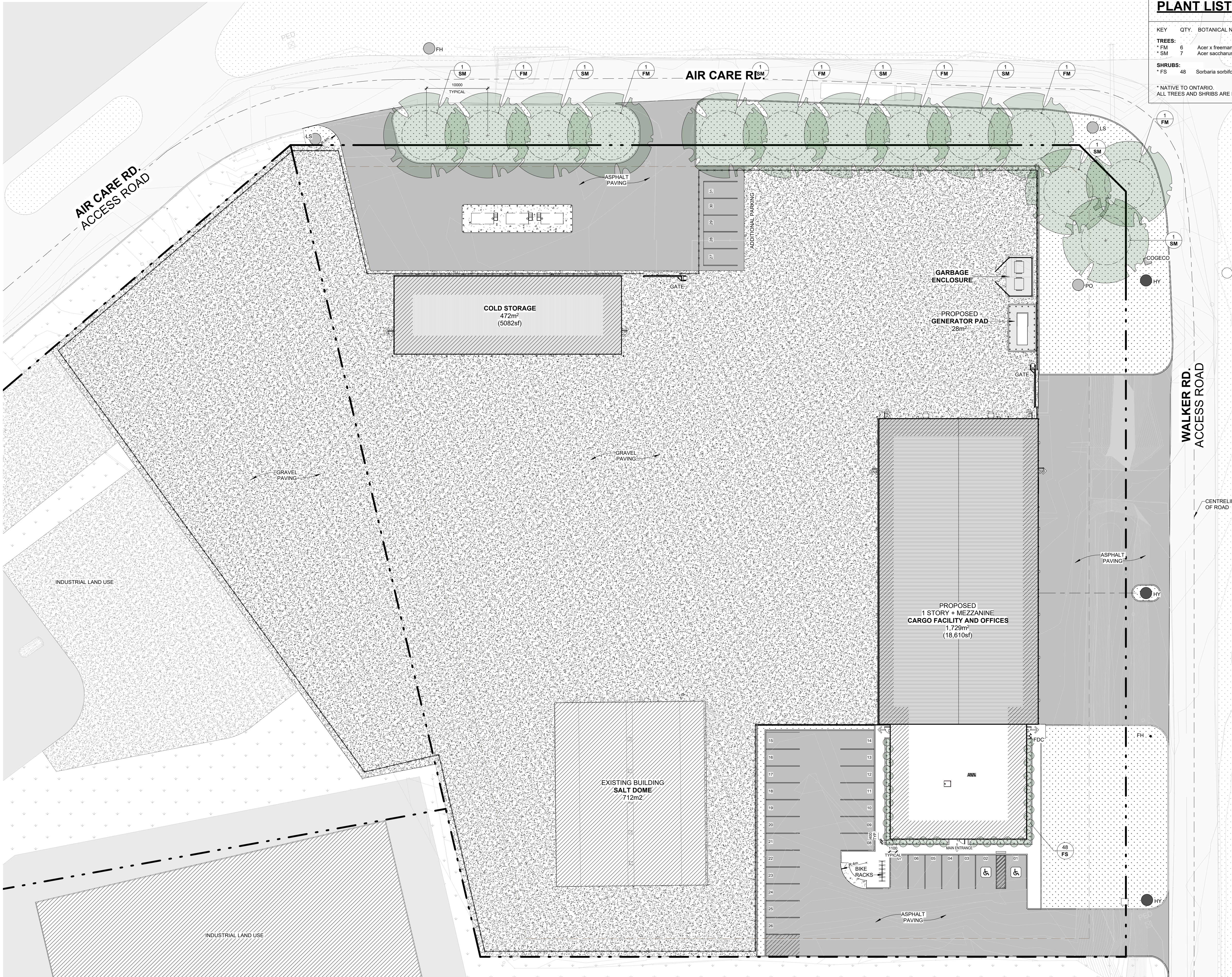
1 BD - BOLLARD DETAIL
A101 1:30



THIS DETAIL IS TYPICAL TO ALL BOLLARDS INDICATED WITHIN THE PROJECT - ALSO NOTED AS 'BD' ON THIS DRAWING

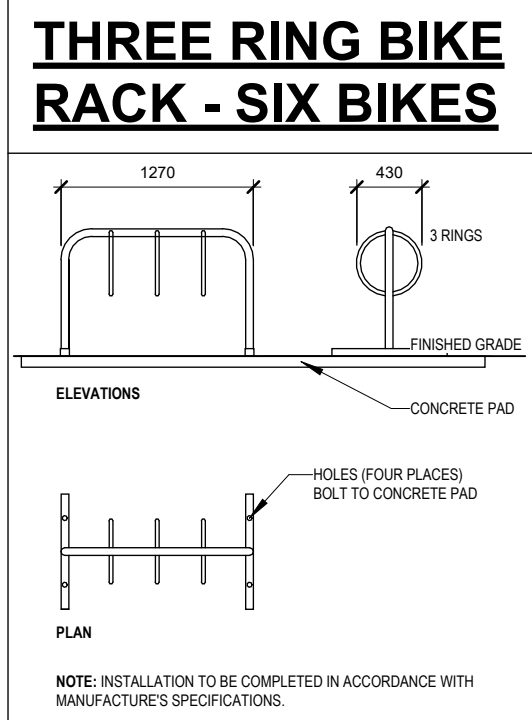
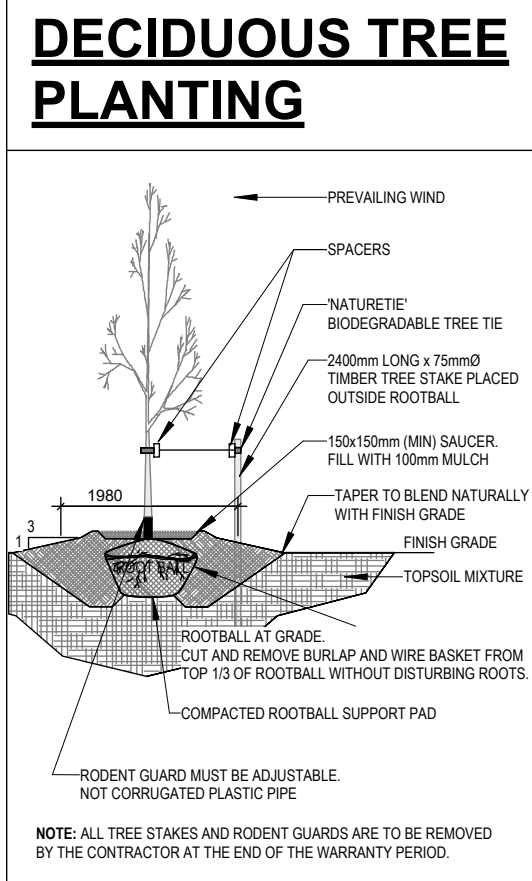
A1 Site Plan
A101 1:300

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PLANT LIST					QTY. KEY
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION
TREES:					
* FM	6	Acer x freemanii	Freeman's Maple	50mm cal.	B&B
* SM	7	Acer saccharum	Sugar Maple	50mm cal.	B&B
SHRUBS:					
* FS	48	Sorbaria sorbifolia	Sem False Spirea	600mm ht.	Potted
* NATIVE TO ONTARIO. ALL TREES AND SHRUBS ARE PROPOSED ON PRIVATE PROPERTY					

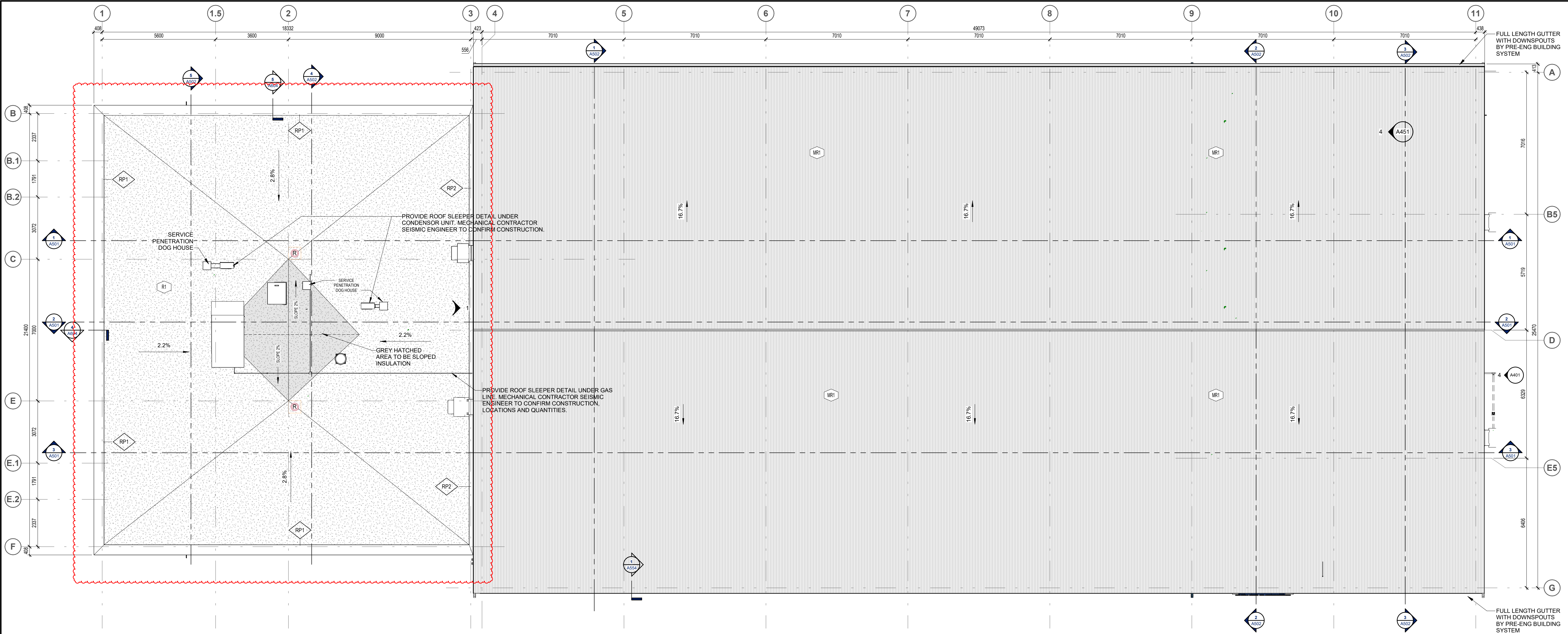
LEGEND	
	GRASS AREA
	ASPHALT PAVING
	CONCRETE WALKWAY
	GRAVEL PAVING
	PROPOSED DECIDUOUS TREE 40 YEAR CANOPY PROJECTION 30m³ SOIL VOLUME
	PROPOSED SHRUBS
	PROPOSED SOD
	MAZEWELD "ROUND-DEE" THREE-RING BIKE RACK FOR SIX BIKES
	PROPERTY LINE
	SETBACK LINE
	CENTRELINE
	NEW FENCE LINE
	FH FIRE HYDRANT
	LS LIGHT STANDARD
	FDC FIRE DEPARTMENT CONNECTION
	HY HYDRO POLE
	BD BOALLARD



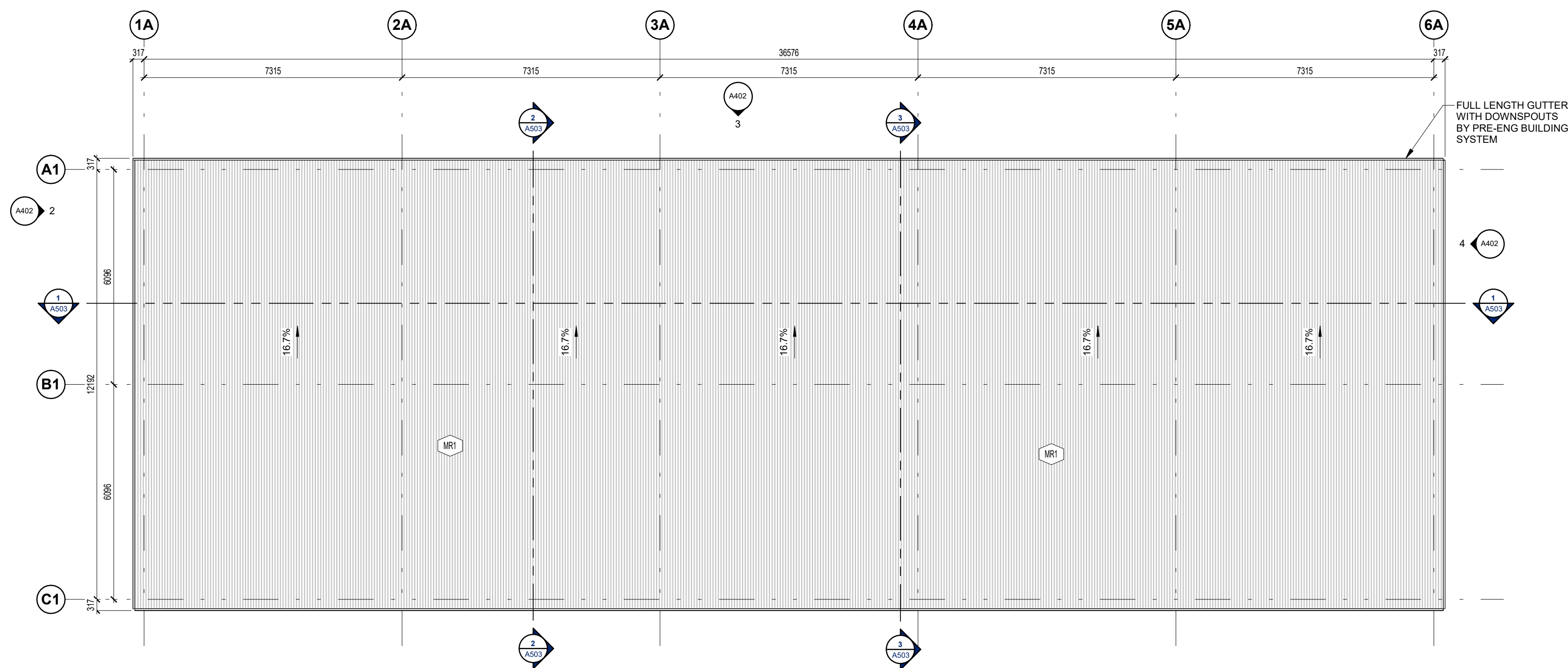
SEAL		
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PROJECT			
TOWN OF SMITHS FALLS			
PUBLIC WORKS			
OPERATIONS CENTRE			
11 AIR CARE DR. SMITHS FALLS, ON. K7A 0B2			
IDEA #	CLIENT #		
26539			
DRAWN BY	CHECKED BY		
IP/CWS	CWS		
DATE	SCALE		
2026-07-27	As indicated		
SHEET NAME			
LANDSCAPE PLAN			

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2026-07-29 7:14:45 AM



1 ROOF PLAN - MAIN BUILDING
A203 1 : 100



2 ROOF PLAN - COLD STORAGE
A203 1 : 100

IDEA

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SEAL

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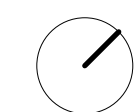
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OPERATIONS CENTRE**

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SMITHS FALLS, ON. K7A 0B2

IDEA #

26539

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CWS

DATE

2026-06-29

SCALE

1 : 100

SHEET NAME

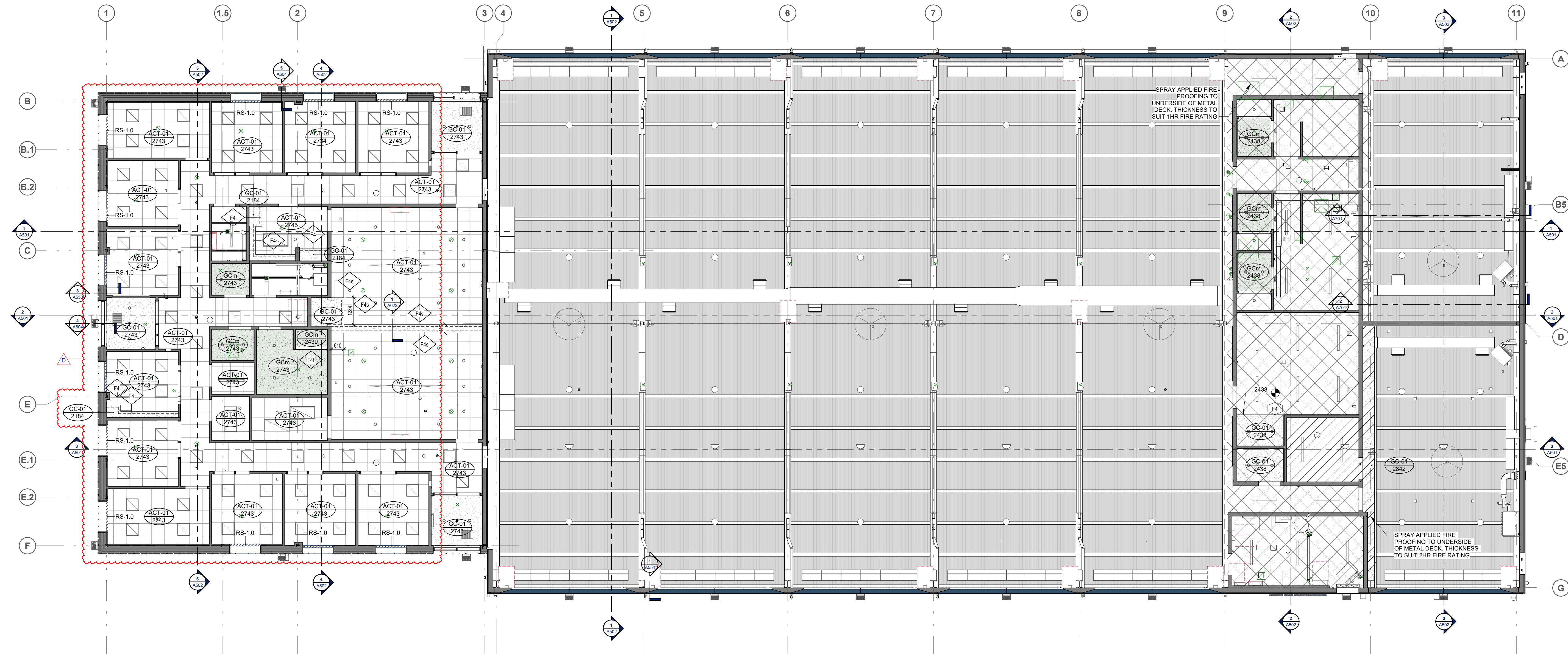
ROOF PLANS

SHEET NO

A203

D (24"x36")

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER
D	2026-07-27	ISSUED FOR ADDENDUM 003



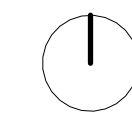
1 REFLECTED CEILING PLAN - GROUND LEVEL - MAIN BUILDING
A301 1 : 100

SPRAY APPLIED FIRE PROOFING TO UNDERSIDE OF METAL DECK. THICKNESS TO SUIT 1HR FIRE RATING

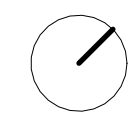
SPRAY APPLIED FIRE PROOFING TO UNDERSIDE OF METAL DECK. THICKNESS TO SUIT 2HR FIRE RATING

SPRAYED FIREPROOFING LEGEND
1 : 10

PROJECT NORTH



TRUE NORTH



GENERAL NOTES

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PROJECT

TOWN OF SMITH FALLS
PUBLIC WORKS
OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #

26539

CLIENT #

DRAWN BY

MB/IP

CHECKED BY

CWS

DATE

2026-07-27

SCALE

As indicated

SHEET NAME

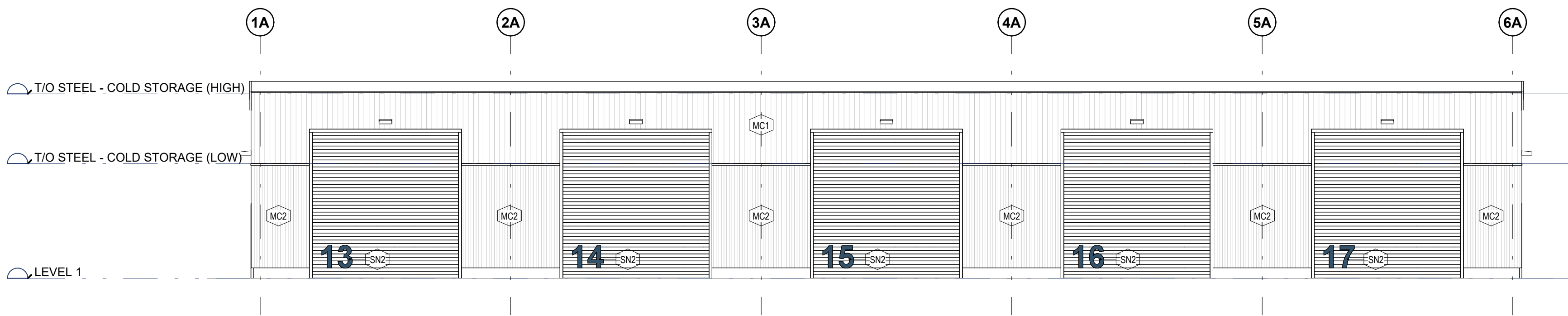
REFLECTED CEILING PLAN
MAIN BUILDING

SHEET NO

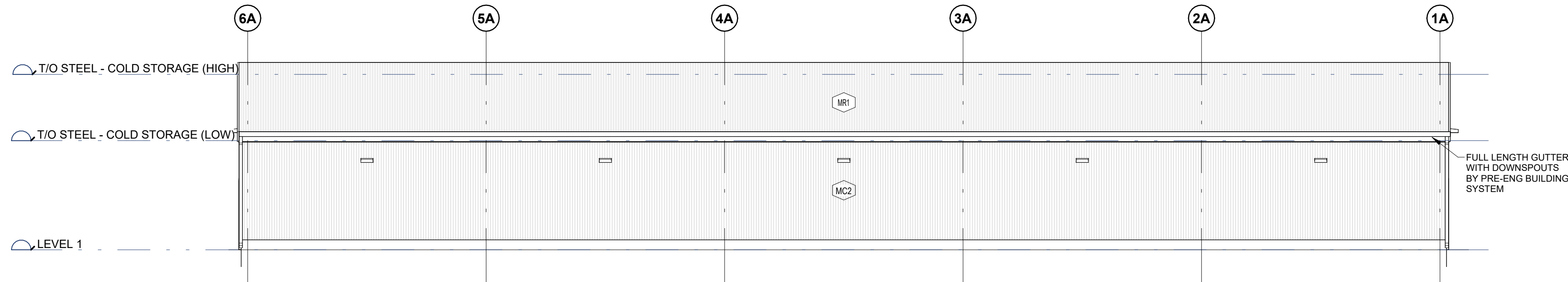
A301

D (24"x36")

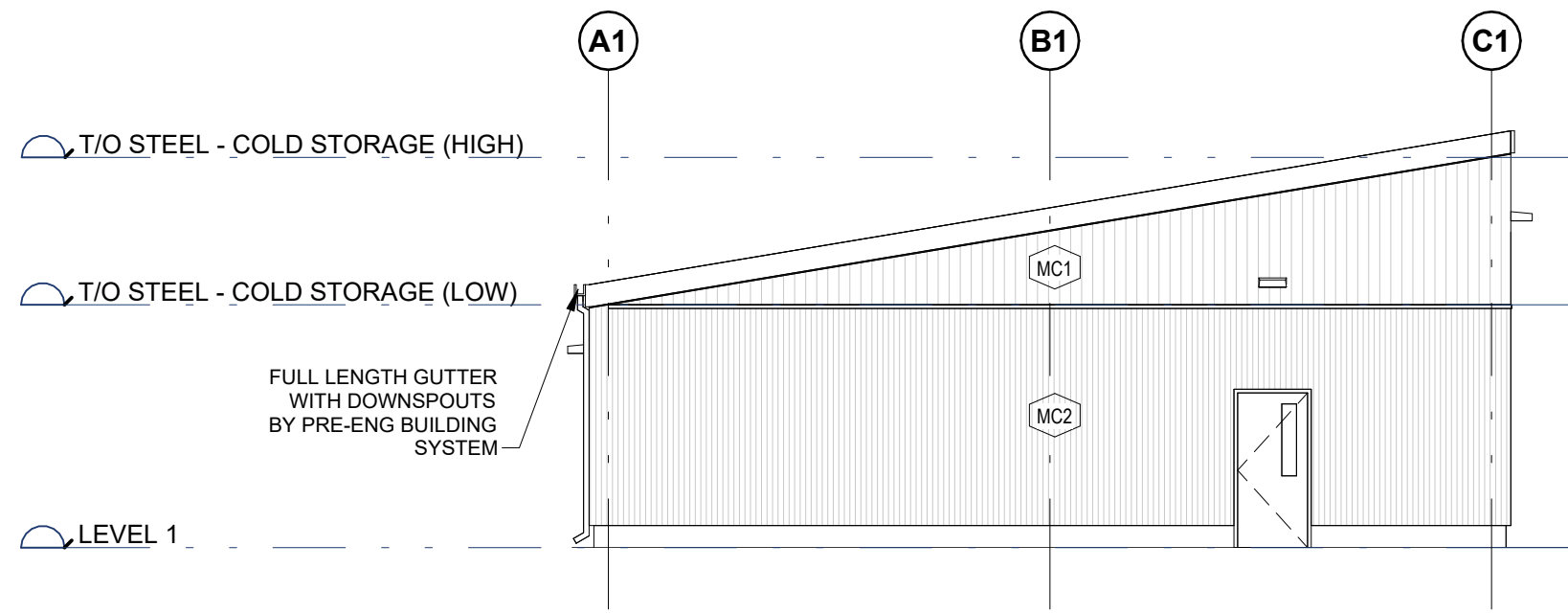
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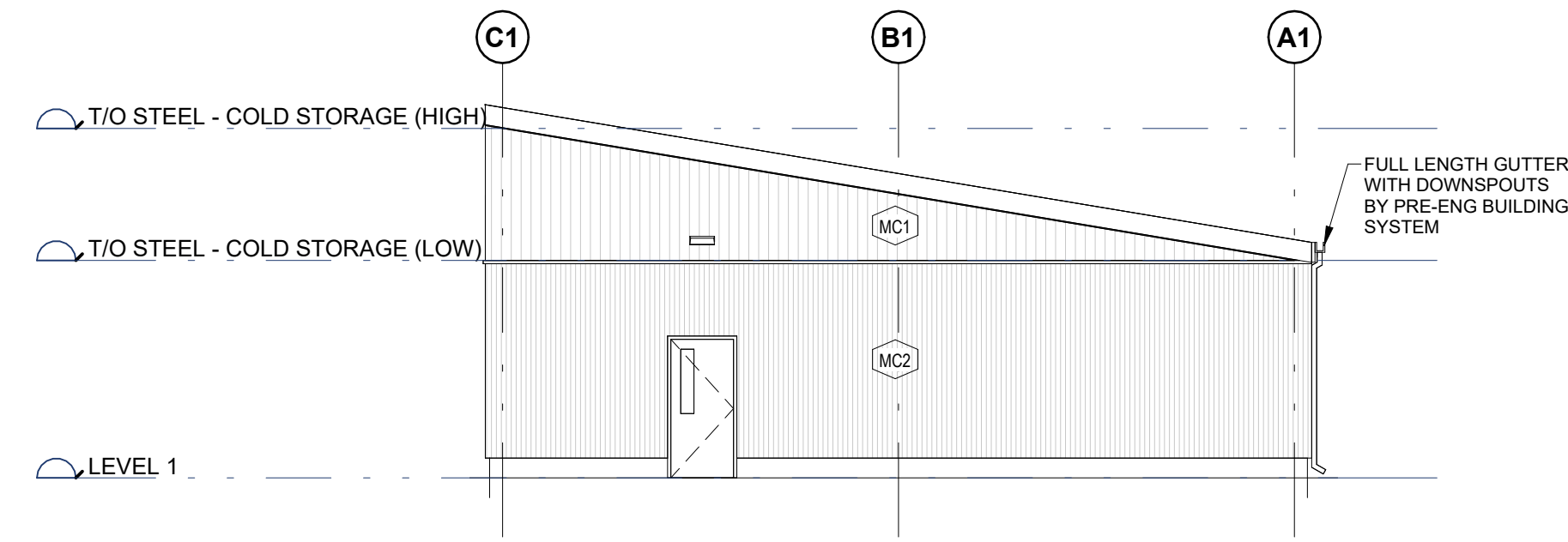
1 COLD STORAGE - NORTH ELEVATION
A402 1 : 100



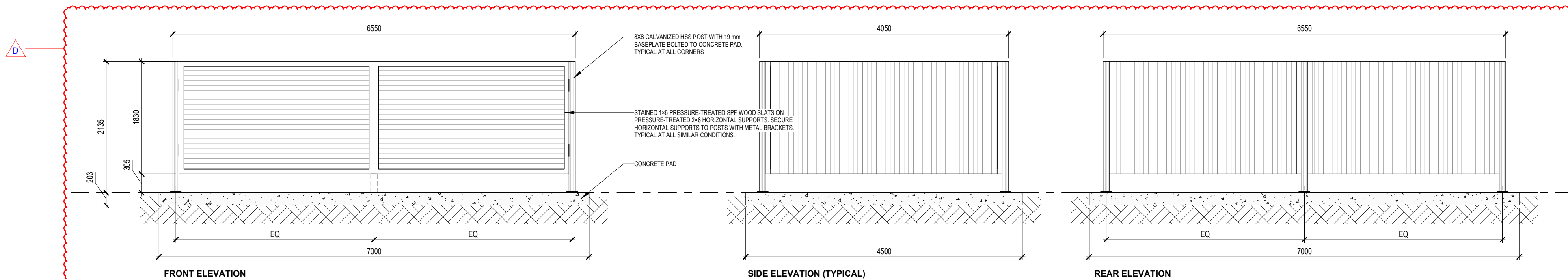
3 COLD STORAGE - SOUTH ELEVATION
A402 1 : 100



2 COLD STORAGE - WEST ELEVATION
A402 1 : 100



4 COLD STORAGE - EAST ELEVATION
A402 1 : 100



4 GARBAGE ENCLOSURE ELEVATIONS
A402 1 : 50

GENERAL NOTES	
1.	ALL NEW FINISH WORK SHALL CONFORM TO APPLICABLE BUILDING CODES AND MANUFACTURER'S INSTRUCTIONS.
2.	PREPARE AND REPAIR SURFACES WHERE REMOVALS OR NEW INSTALLATIONS OCCURRED, PRIOR TO APPLYING NEW FINISHES.
3.	MATCH EXISTING ADJACENT FINISHES UNLESS OTHERWISE SPECIFIED IN THE FINISH SCHEDULE.
4.	COMPLETE FINISH REPAIRS AT WALLS AND FLOORS BEFORE REINSTALLING TEMPORARILY REMOVED WALL- AND FLOORMOUNTED ELEMENTS.
5.	PROTECT NEW AND EXISTING FINISHES FROM DAMAGE DURING AND AFTER INSTALLATION UNTIL FINAL ACCEPTANCE.
ELEVATION FINISH LEGEND	
MR1	PRE-FINISHED STANDING-SEAM METAL ROOF PANELS MANUFACTURER: ROBERTSON BUILDING SYSTEMS PROFILE: DOUBLE-LOCK COLOUR: SLATE GRAY
MC1	PRE-FINISHED METAL CLADDING MANUFACTURER: ROBERTSON BUILDING SYSTEMS PROFILE: RBL P.O.C. RIBS, VERTICAL ORIENTATION COLOUR: CAMBRIDGE WHITE
MC2	PRE-FINISHED METAL WALL PANELS MANUFACTURER: ROBERTSON BUILDING SYSTEMS PROFILE: RBL P.O.C. RIBS, VERTICAL ORIENTATION COLOUR: CAMBRIDGE WHITE
MC3	PRE-FINISHED METAL WALL PANELS - ALUMINUM PROFILE: SMOOTH FLAT / FLUSH COLOUR: HERON BLUE
MC4	PRE-FINISHED METAL WALL PANELS MANUFACTURER: VICWEST PROFILE: ADOM VERTICAL, 1/2" STAGGERED HORIZONTAL REVEALS COLOUR: CAMBRIDGE WHITE
MC5	PRE-FINISHED METAL WALL PANELS MANUFACTURER: VICWEST PROFILE: ADOM VERTICAL COLOUR: HERON BLUE
SN1	PRE-MANUFACTURED CAN LETTER SIGNAGE COLOURS: VARIOUS - TO MATCH INSTITUTIONAL COLORS
SN2	APPLIED VINYL, GH DOOR BAY IDENTIFICATION NUMERALS COLOUR: HERON BLUE
LV1	LOUVRE. REFER TO MECHANICAL.
NOTE: ALL EXTERIOR METAL ACCESSORIES TO MATCH ADJACENT METAL PANELS, UNLESS NOTED OTHERWISE.	

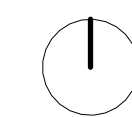
SEAL

NOT FOR CONSTRUCTION

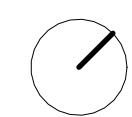
ISSUANCE

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PROJECT NORTH



TRUE NORTH



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PROJECT

TOWN OF SMITH FALLS
PUBLIC WORKS
OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #

26539

CLIENT #

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CWS

DATE

2026-07-27

SCALE

As indicated

SHEET NAME

EXTERIOR ELEVATIONS -
COLD STORAGE &
GARBAGE ENCLOSURE

SHEET NO

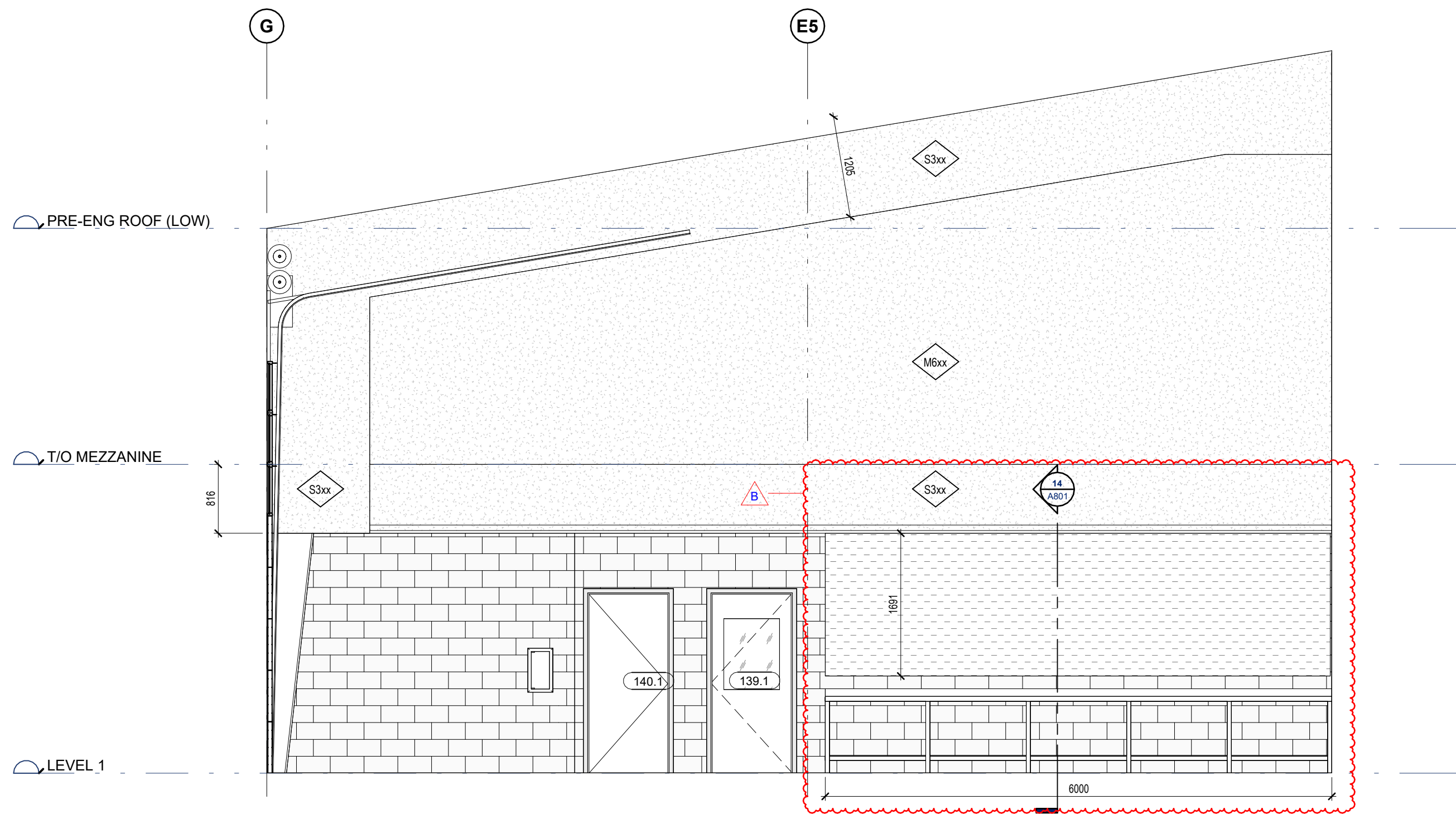
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D (24"x36")

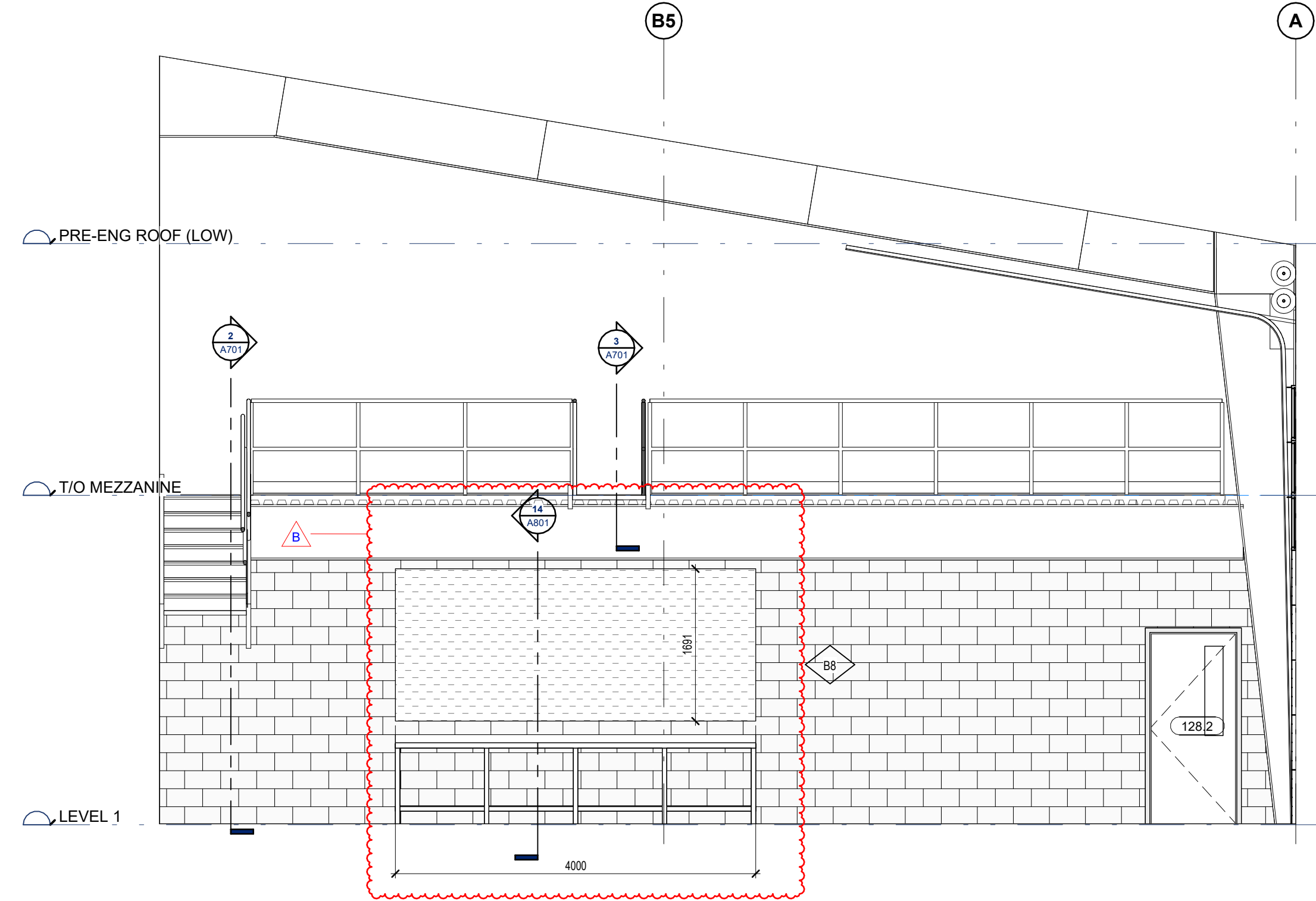
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ISSUANCE

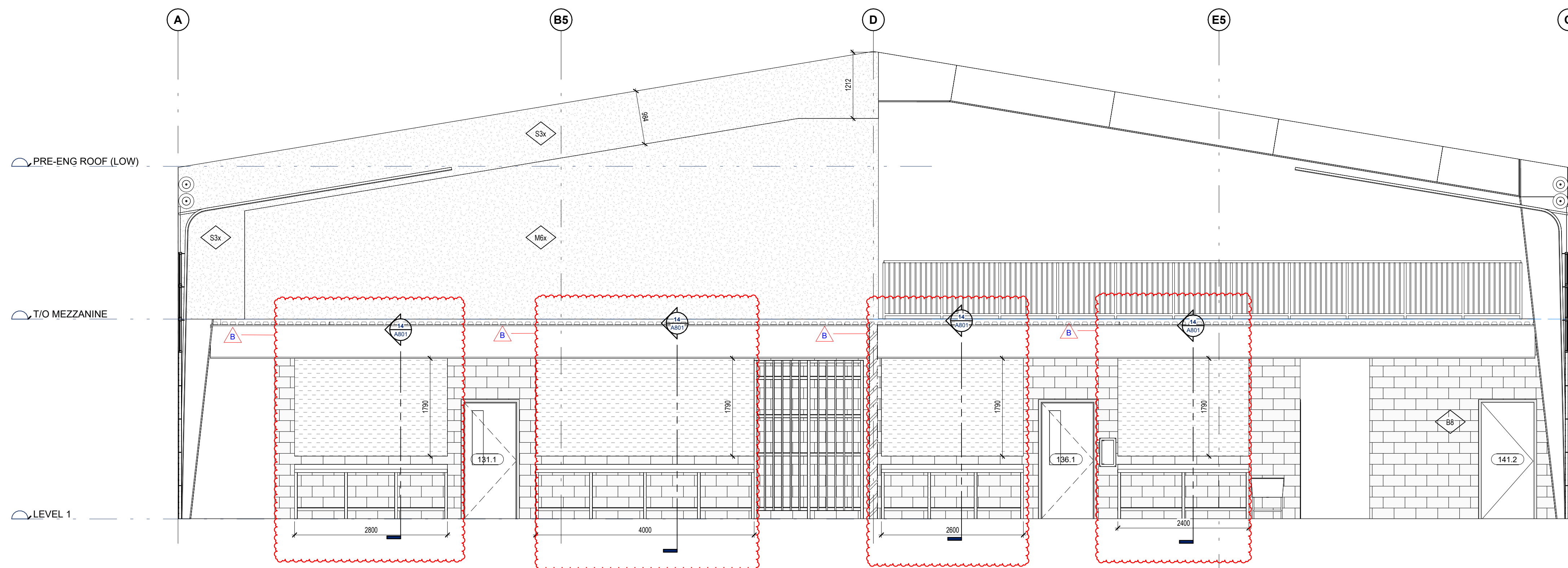
NO	DATE	ISSUE
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B	2026-07-27	ISSUED FOR ADDENDUM 003



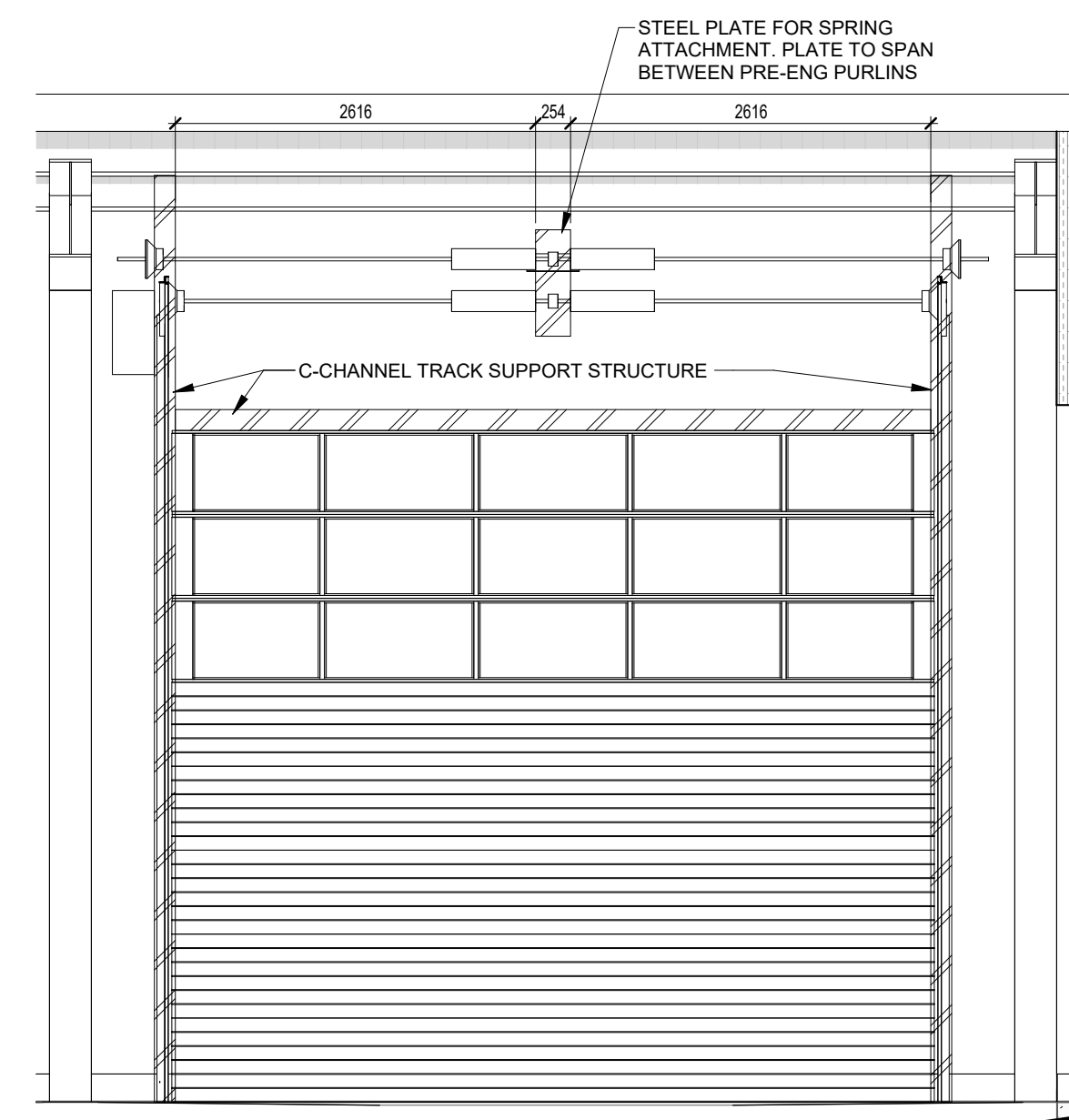
1 REPAIR BAY - ELEVATION
A451 1 : 50



4 WASH BAY - ELEVATION
A451 1 : 50

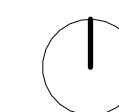


2 SERVICE GARAGE - ELEVATION
A451 1 : 50

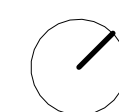


3 TYP. OVERHEAD DOOR STRUCTURE
A451 1 : 50

PROJECT NORTH



TRUE NORTH



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**PUBLIC WORKS
OPERATIONS CENTRE**

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA

26539

CLIENT

DRAWN BY

Author

CHECKED BY

Checker

DATE

2026-07-27

SCALE

1 : 50

SHEET NAME

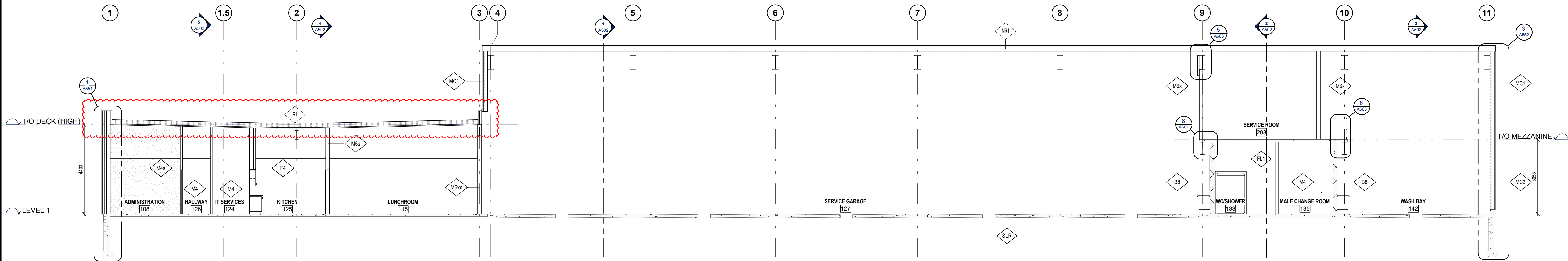
**INTERIOR ELEVATIONS -
MAIN BUILDING**

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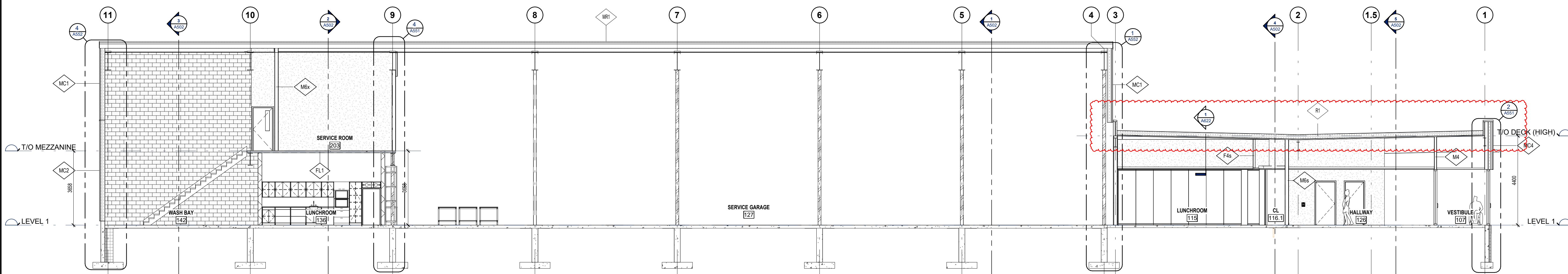
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ISSUANCE

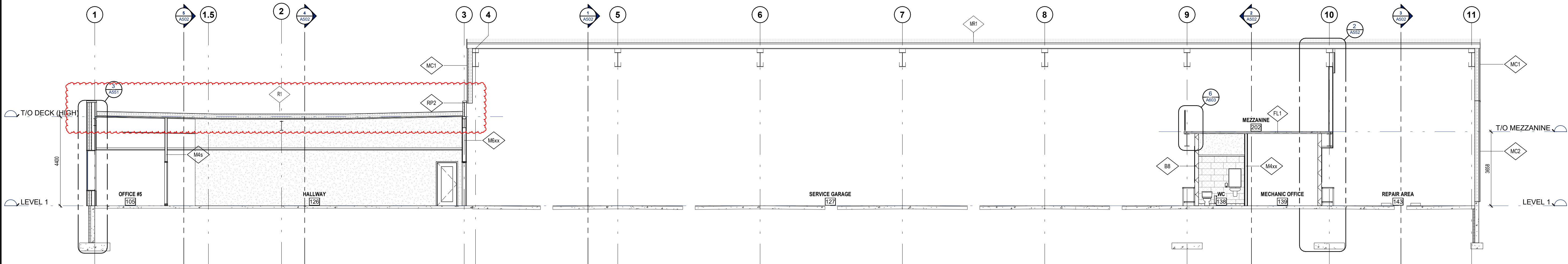
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1 LONG SECTION BTW GRID B&C
A501 1 : 100



2 LONG SECTION BTW GRID C&E
A501 1 : 100



3 LONG SECTION BTW GRID E&F
A501 1 : 100



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IDEA #

26539

CLIENT #

DRAWN BY

MB/IP

CHECKED BY

CWS

DATE

2026-07-28

SCALE

1 : 100

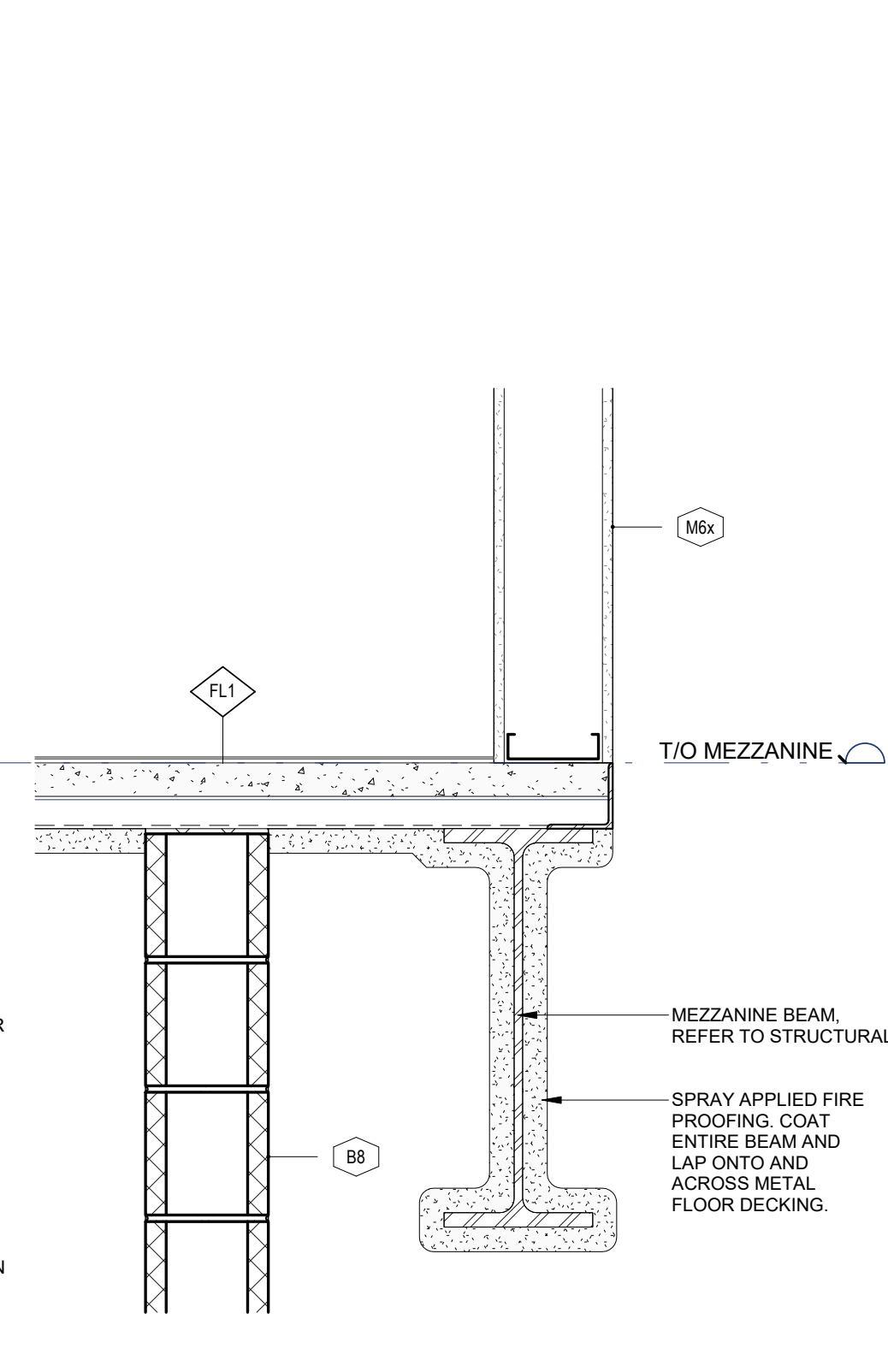
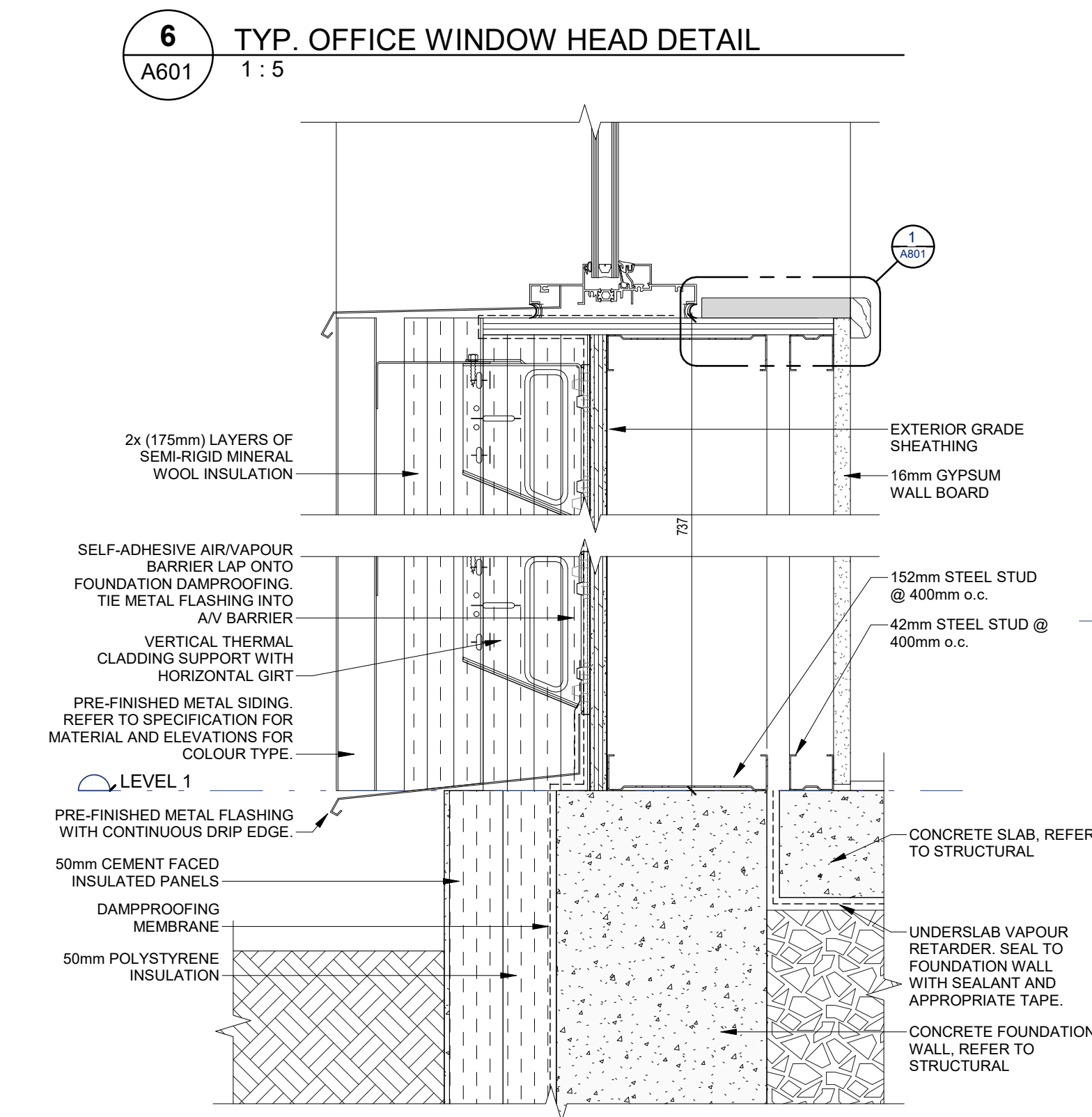
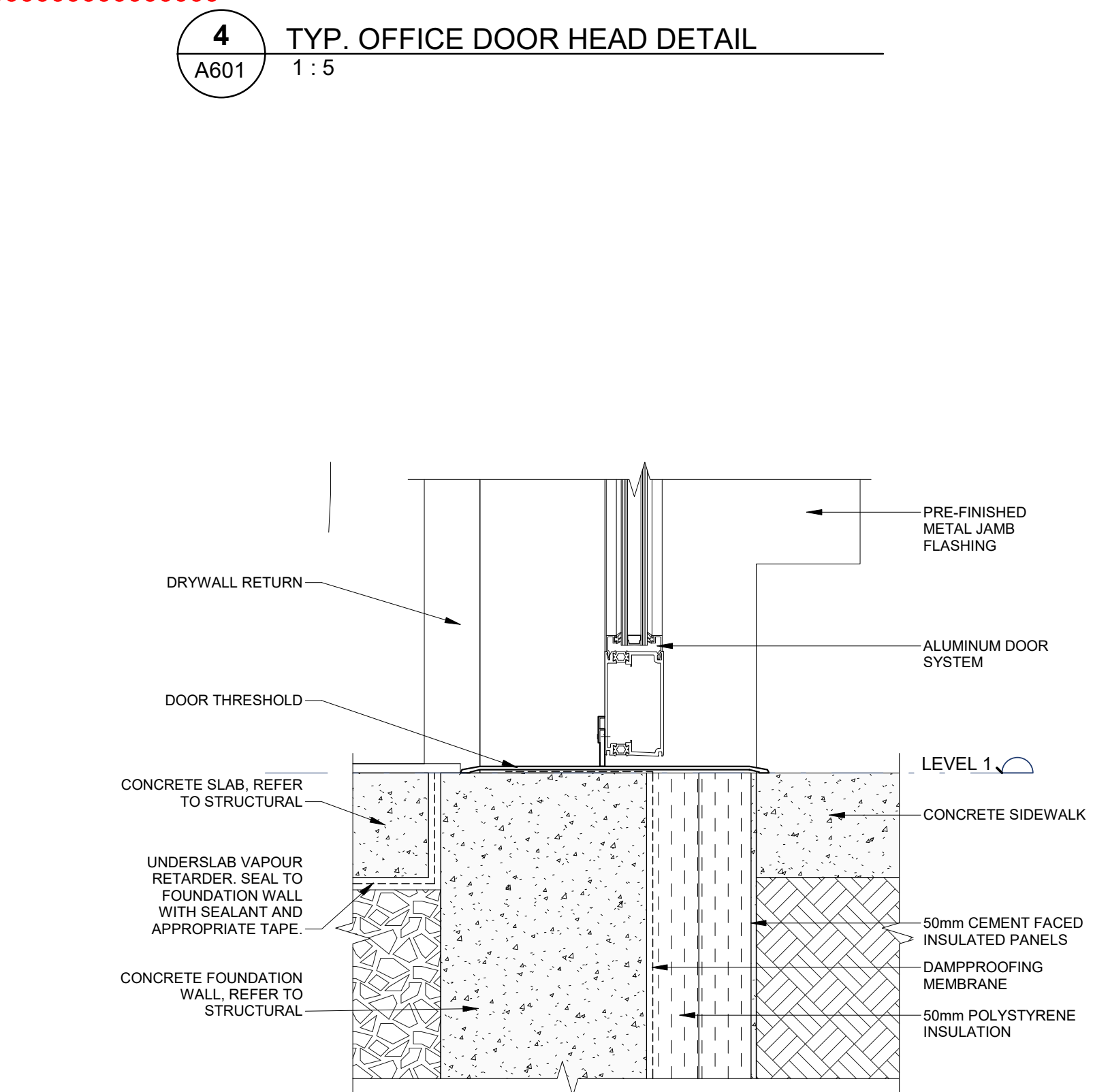
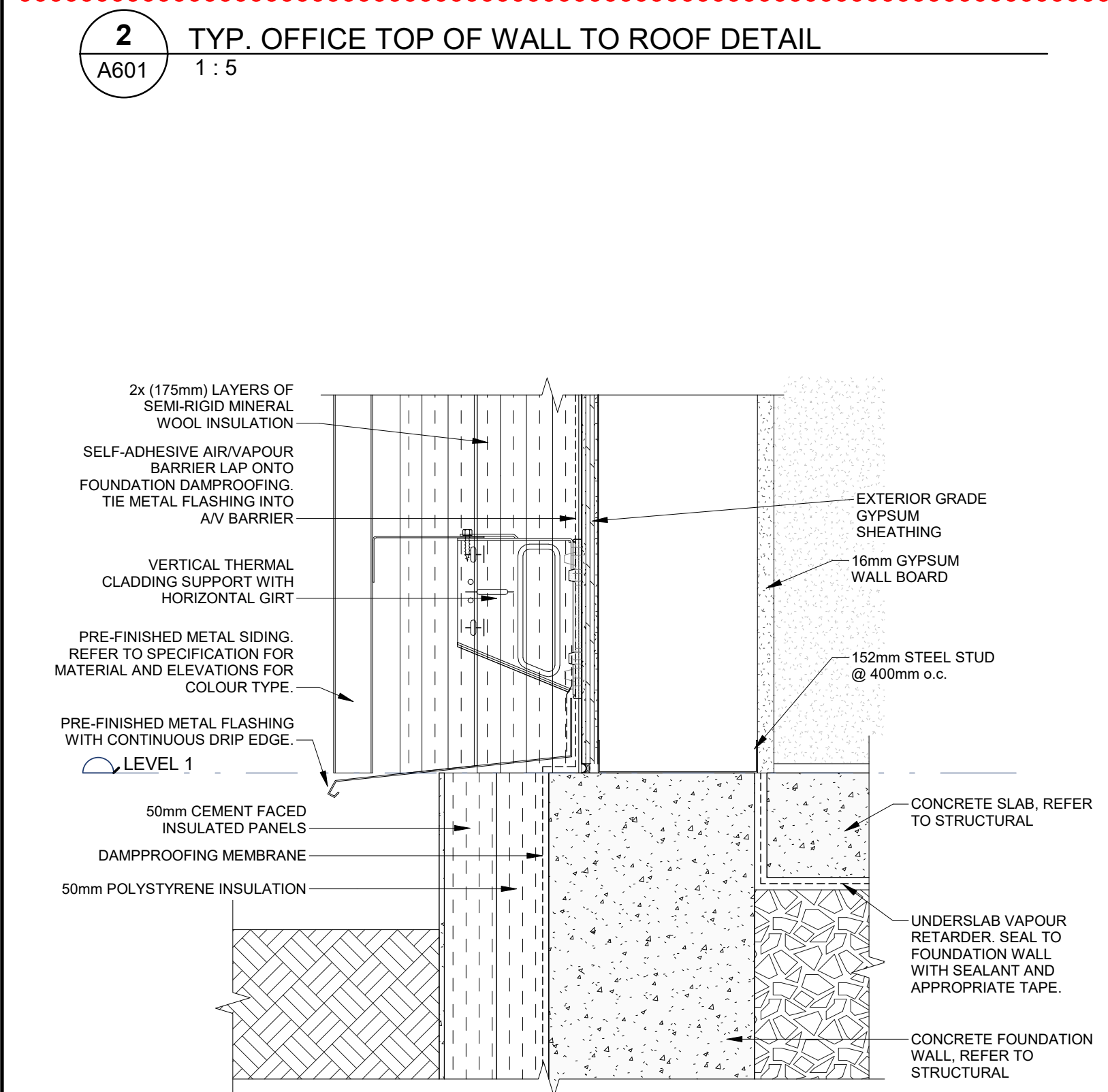
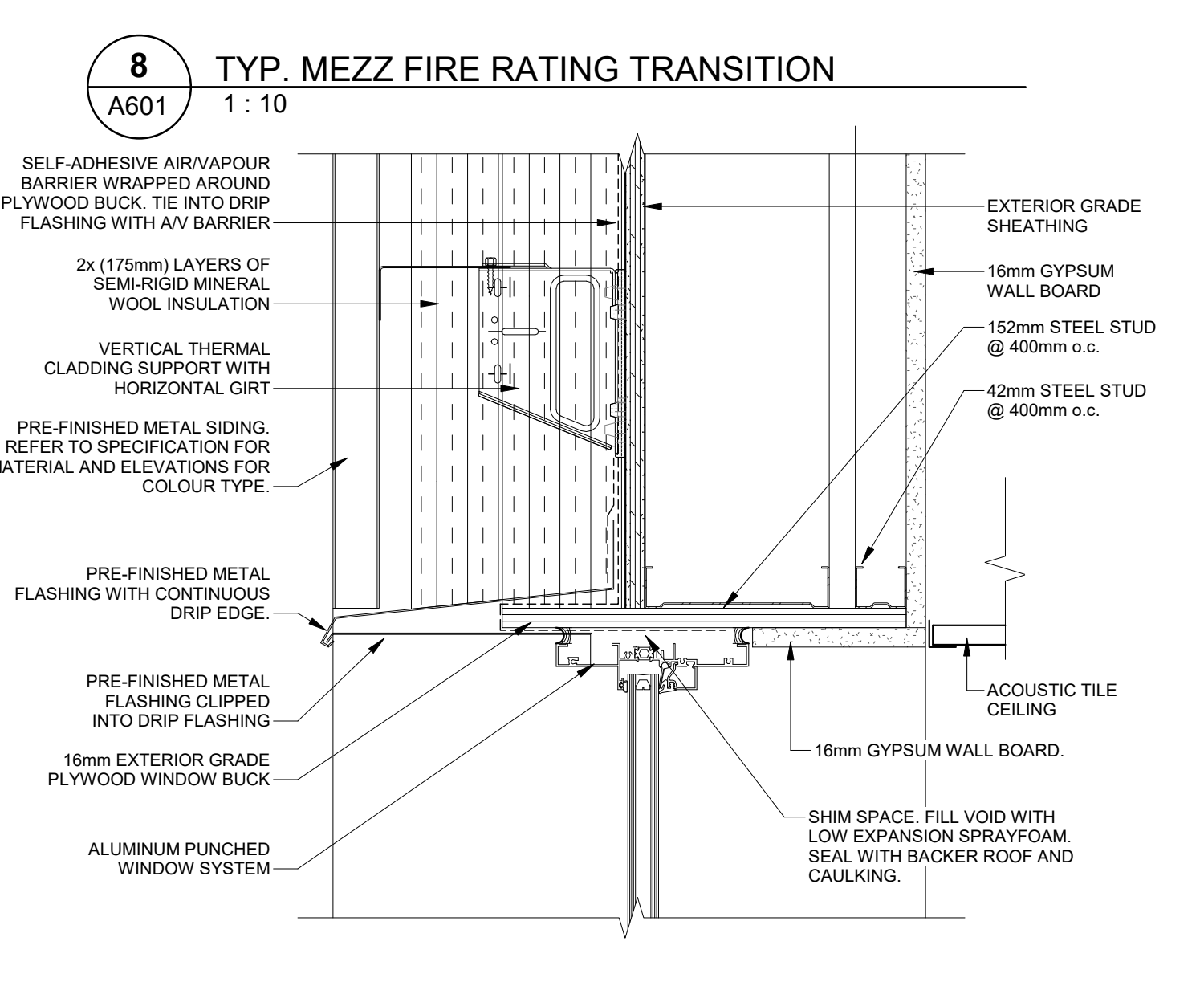
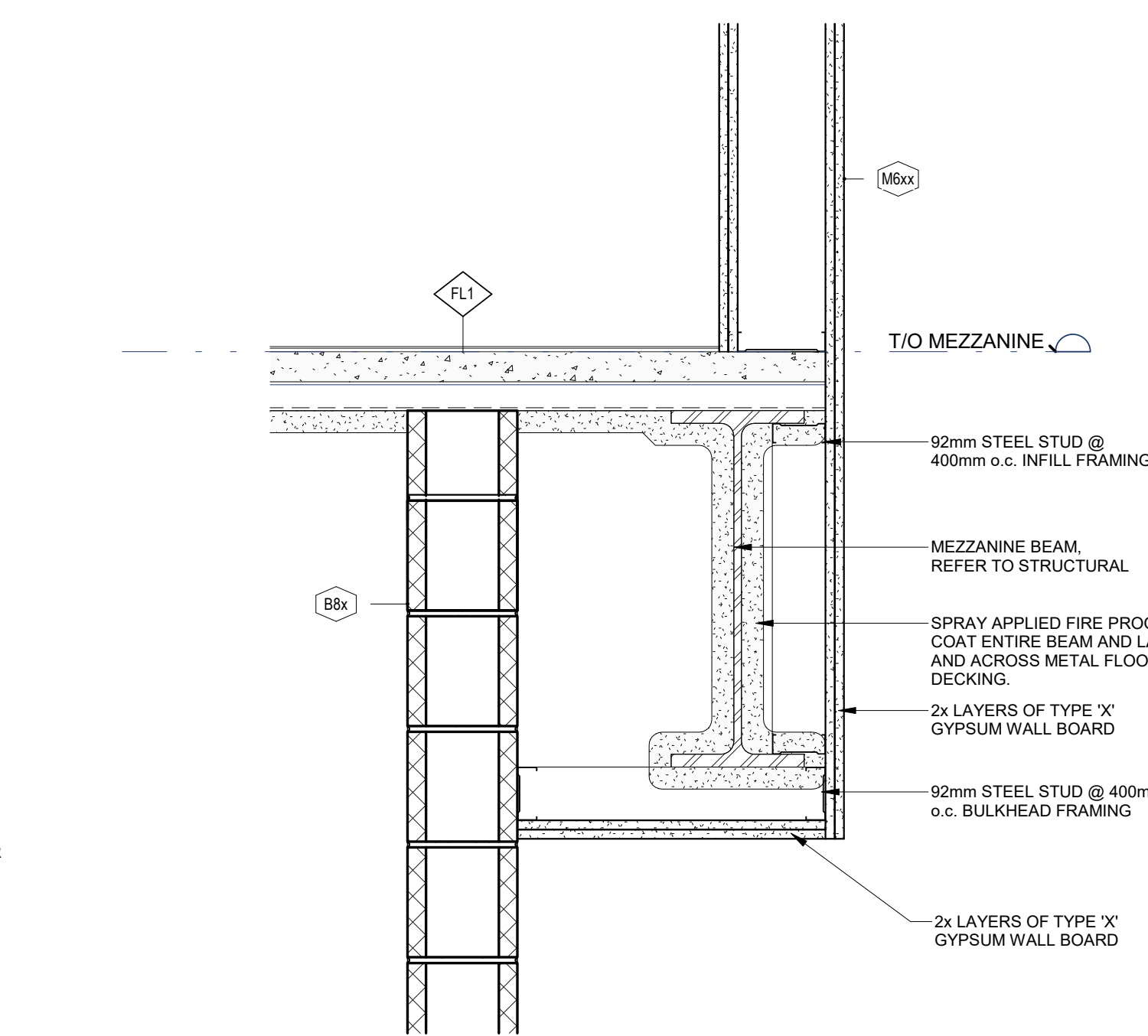
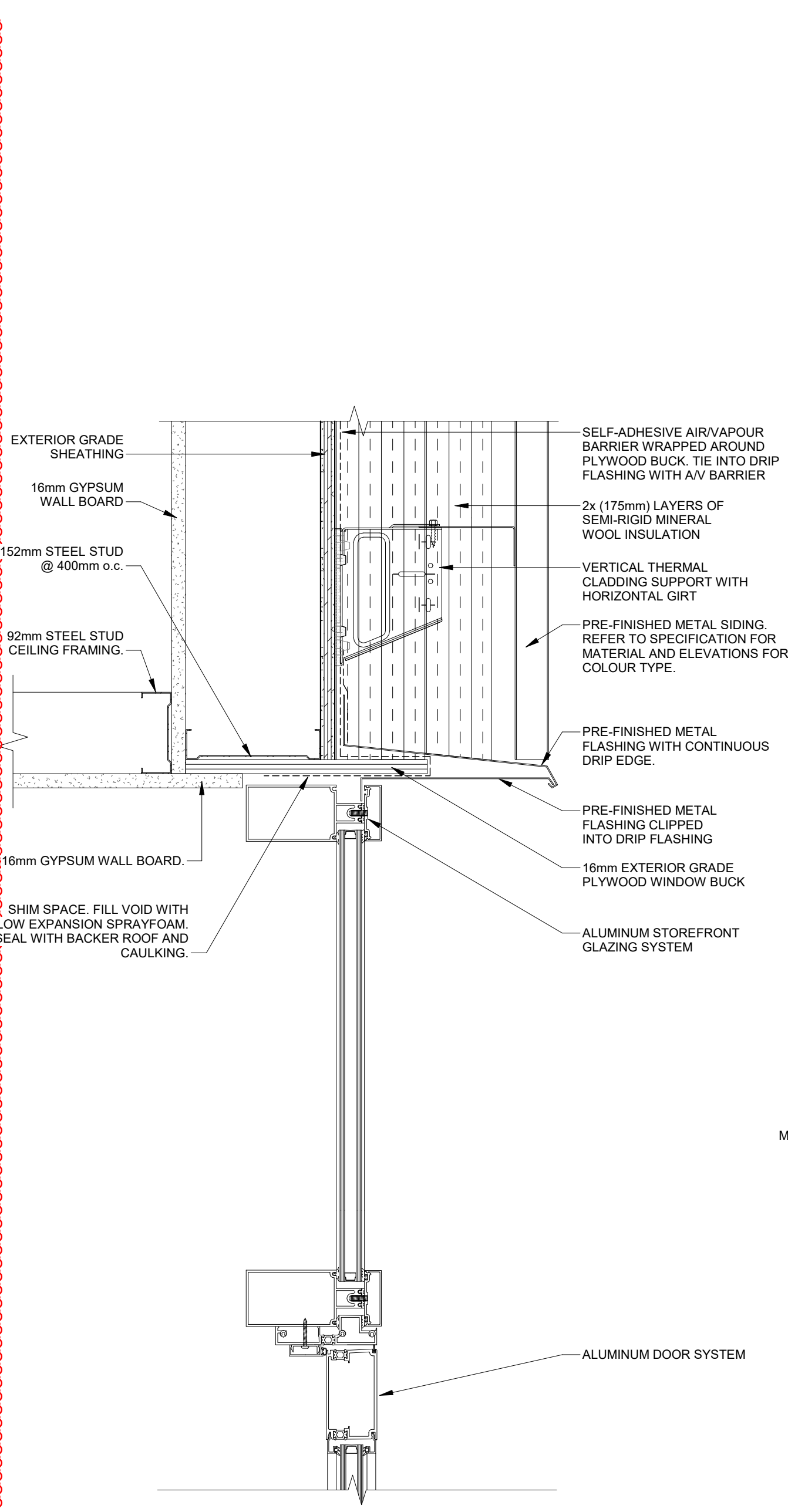
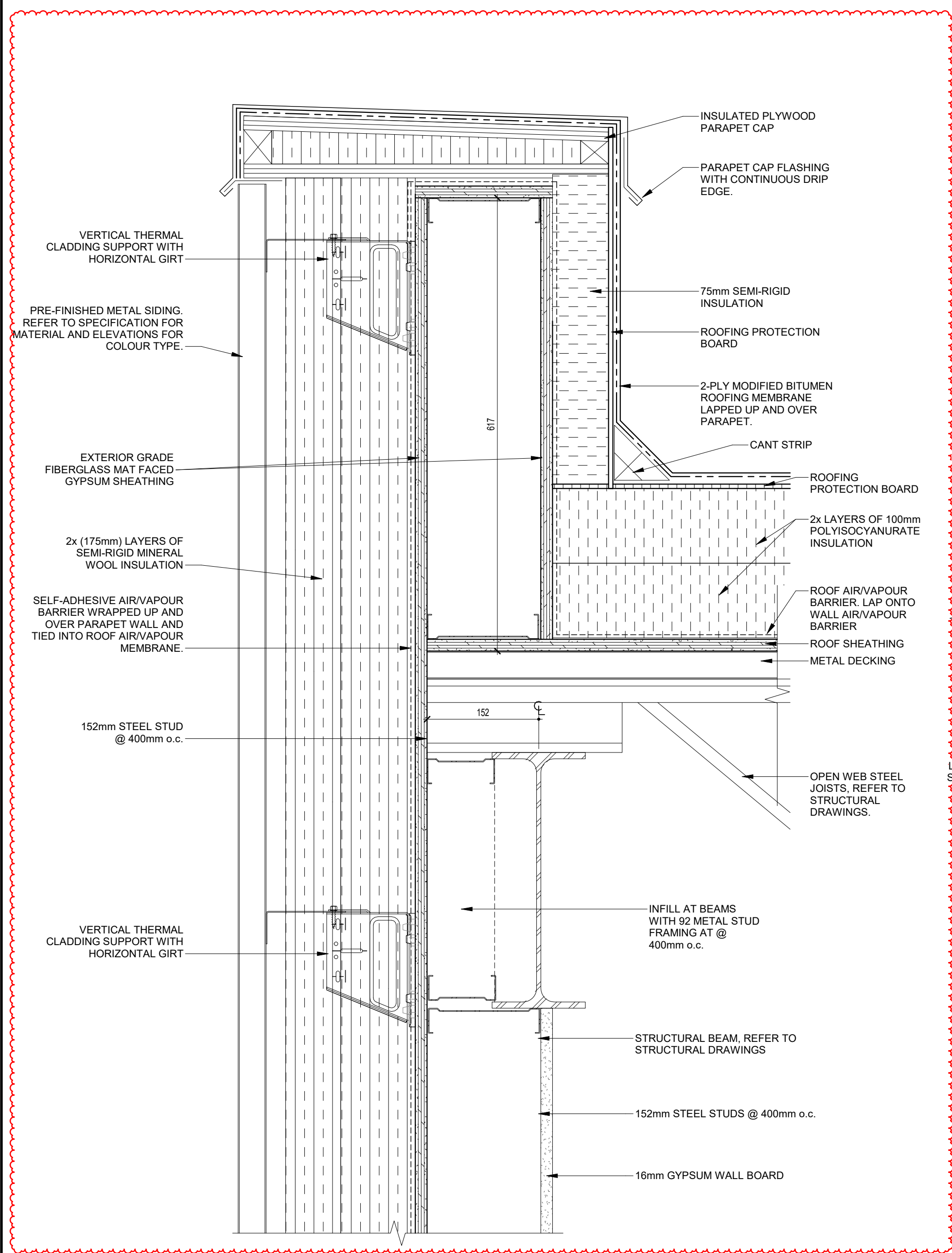
SHEET NAME

BUILDING SECTIONS -
MAIN BUILDING

SHEET NO

A501

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IDEA

310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
integratedesign.ca

SEAL

NOT FOR CONSTRUCTION

ISSUANCE

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PROJECT NORTH

TRUE NORTH

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OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #

26539

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DATE

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SCALE

As indicated

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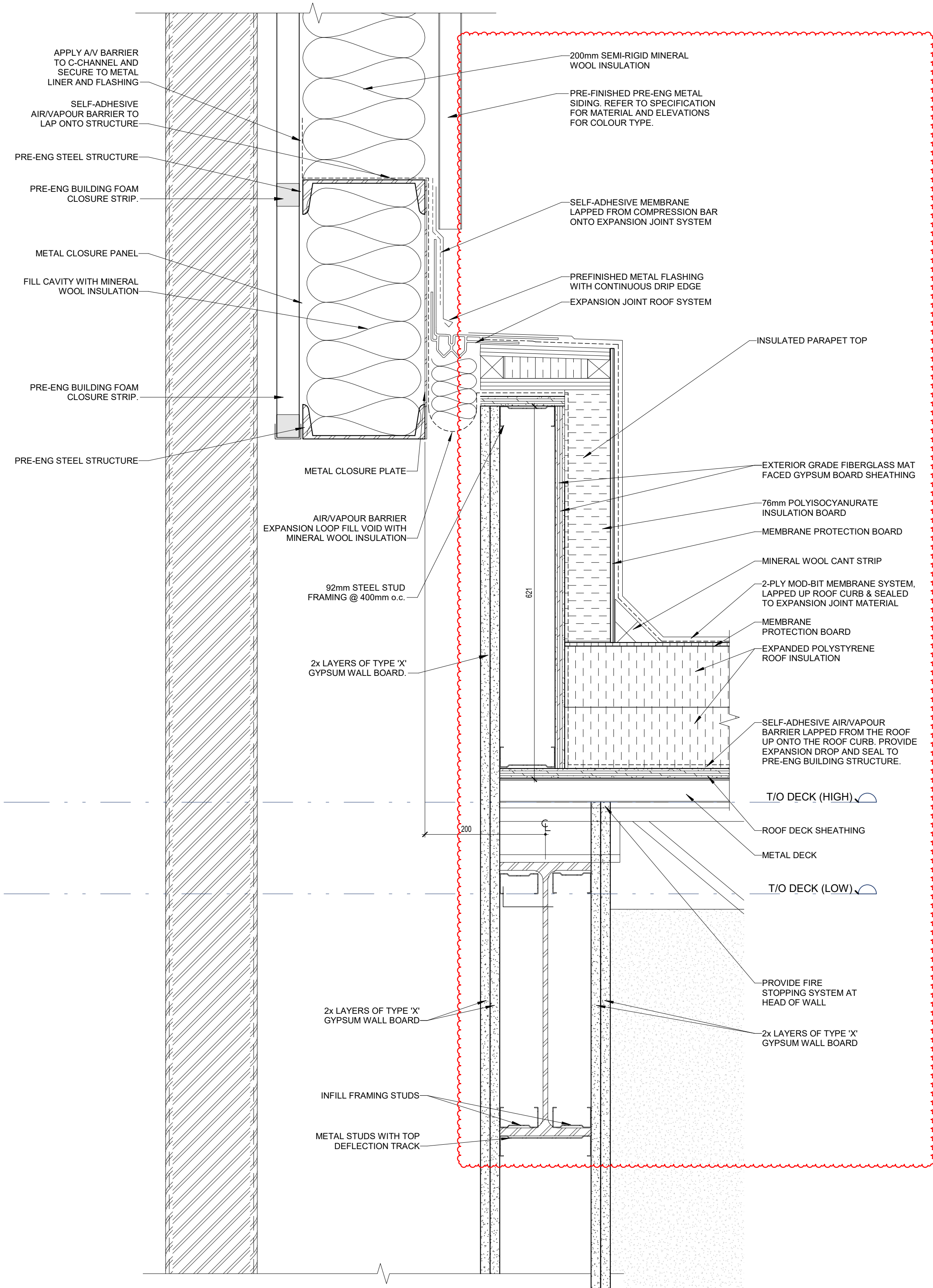
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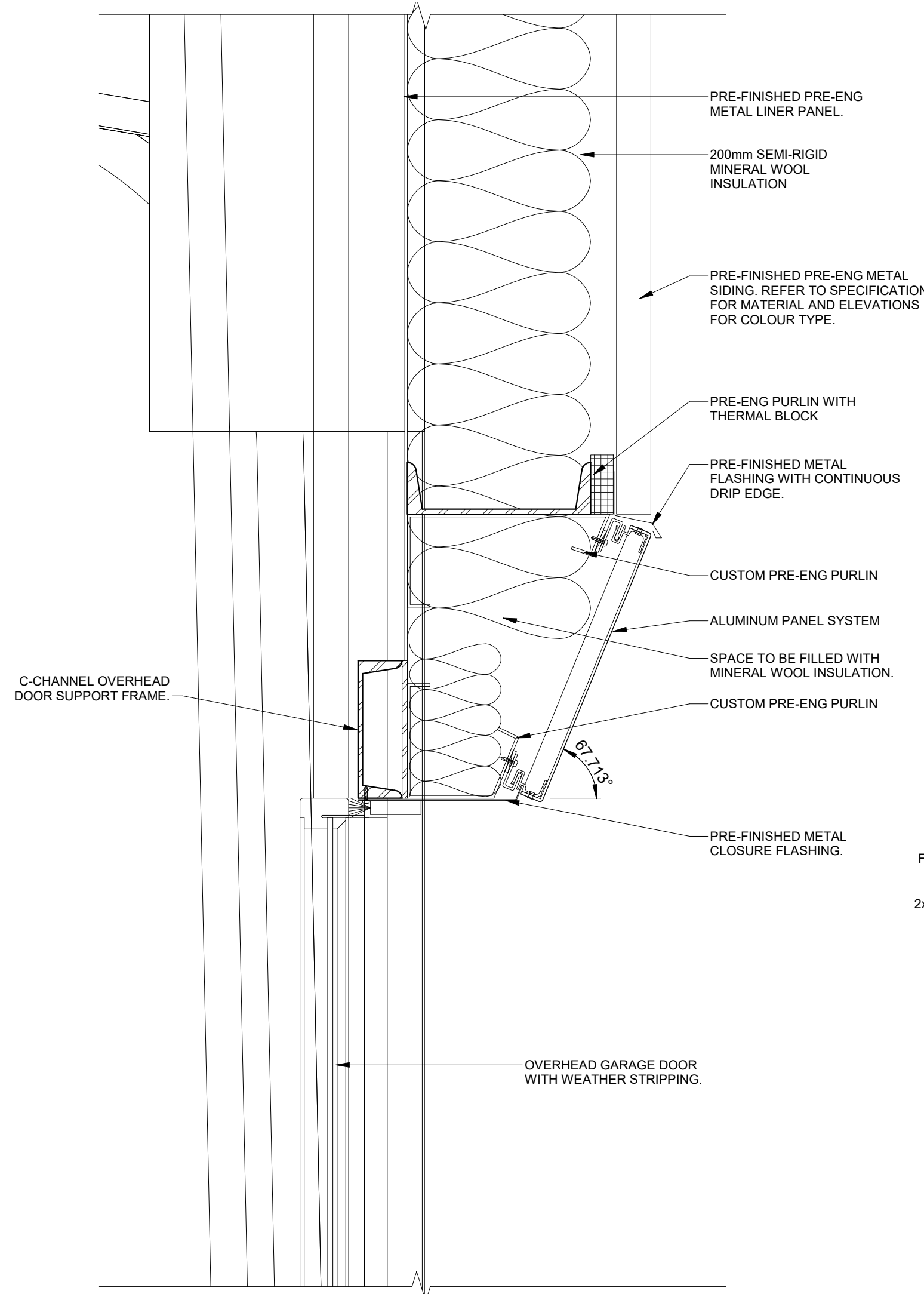
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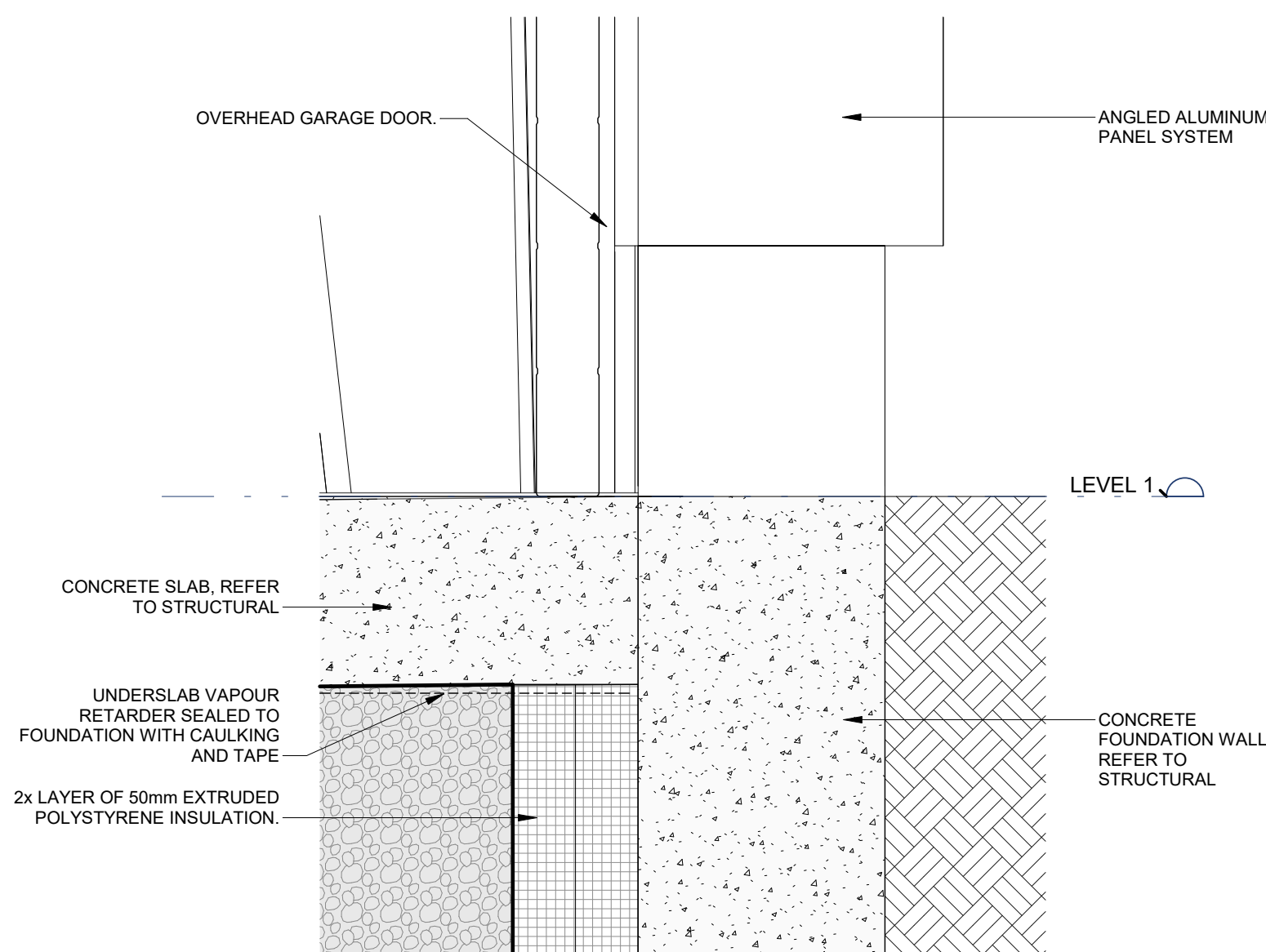
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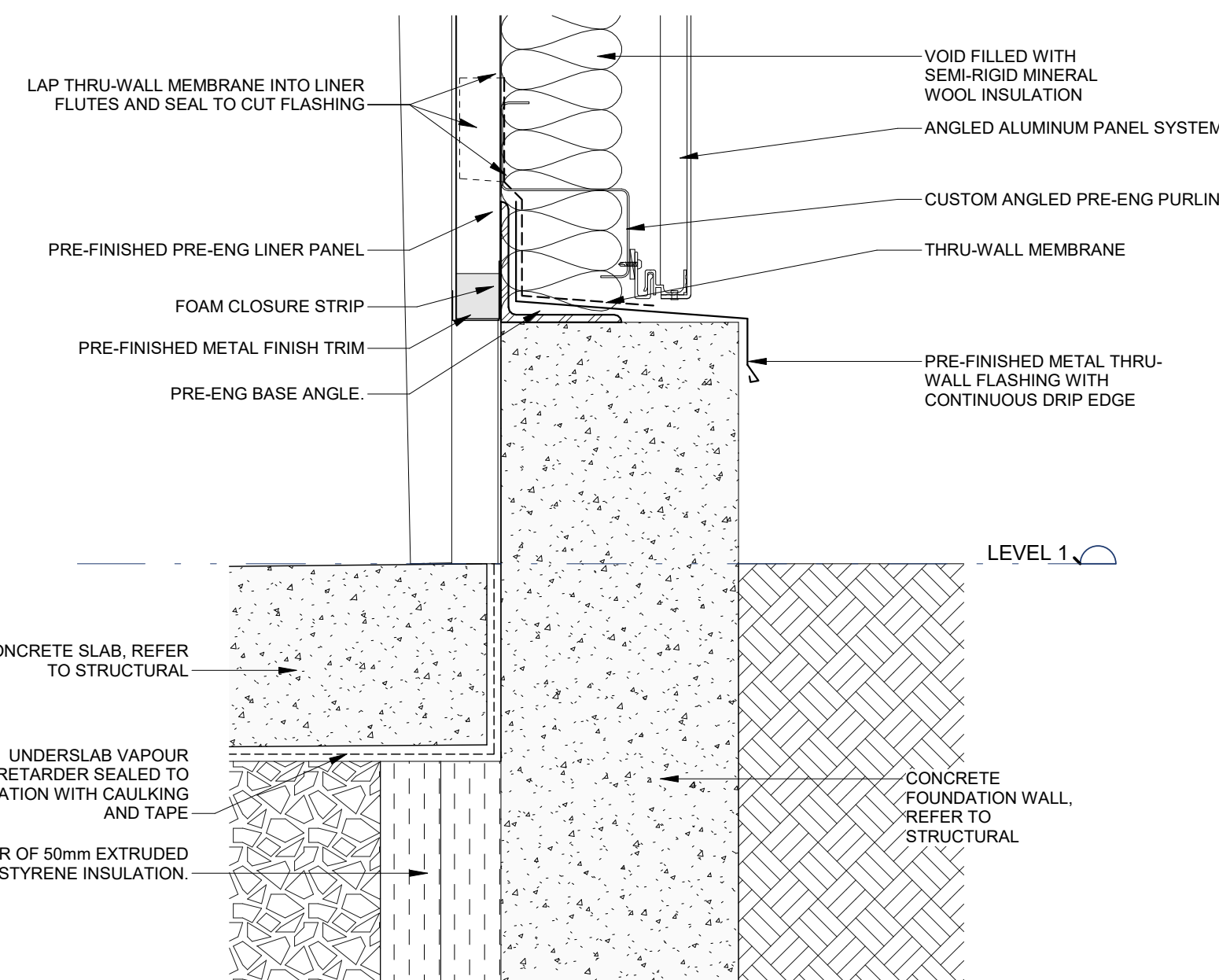
1
A602
TYP. PRE-ENG TO ROOF EXPANSION DETAIL
1 : 5



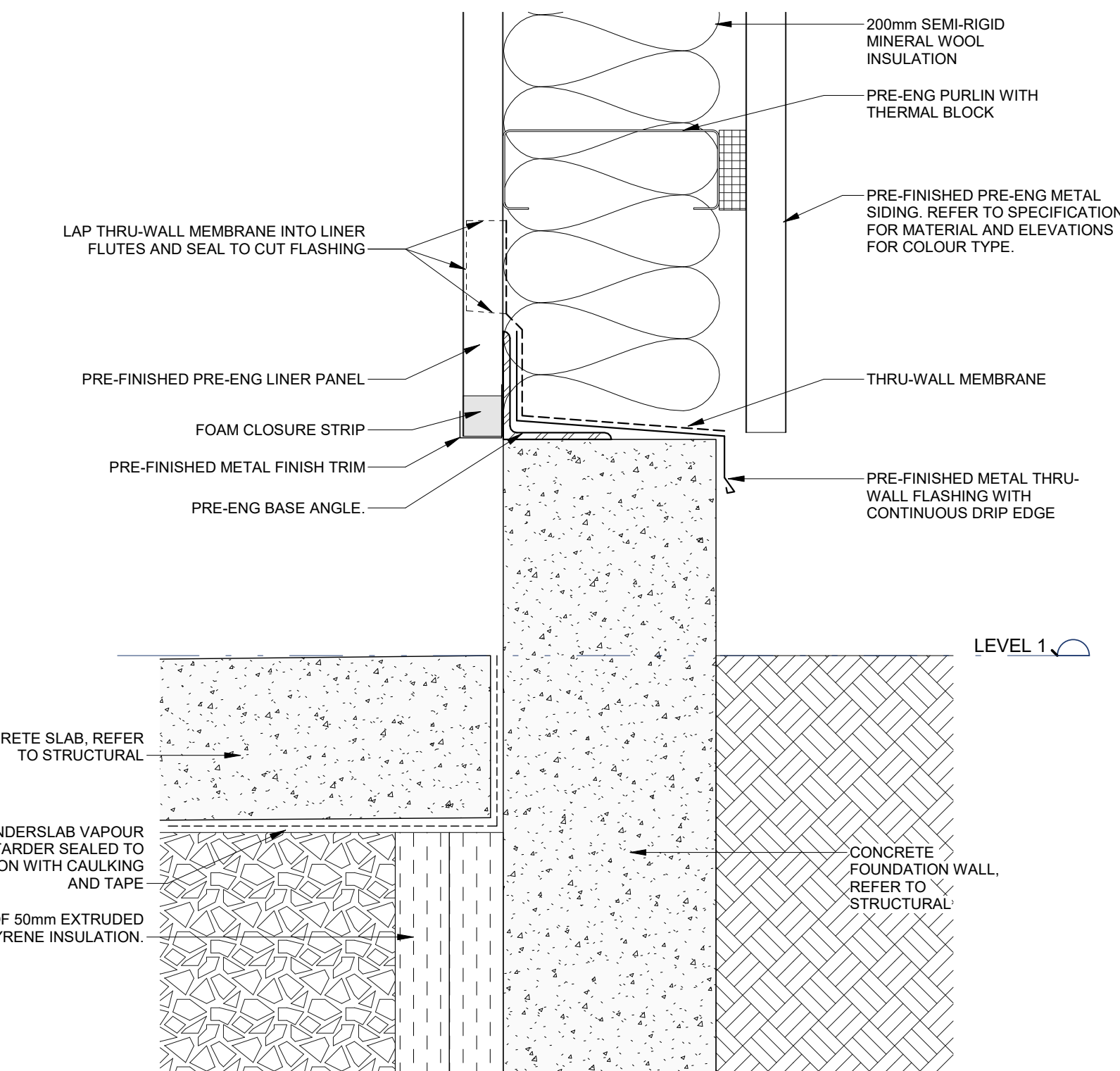
4
A602
TYP. OVERHEAD DOOR HEAD DETAIL
1 : 5



3
A602
TYP. OVERHEAD DOOR SILL DETAIL
1 : 5



5
A602
TYP. FOUNDATION DETAIL AT O/H DOOR DETAIL
1 : 5



2
A602
TYP. PRE-ENG BASE OF WALL DETAIL
1 : 5

IDEA

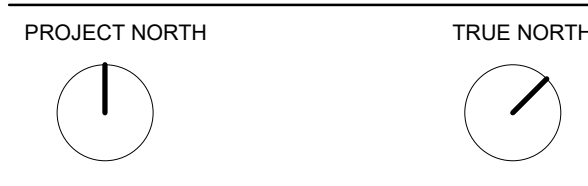
310 HUNT CLUB ROAD
OTTAWA | ONTARIO | CANADA | K1V 1C1
T 613.728.0008
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SEAL

NOT FOR CONSTRUCTION

ISSUANCE

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PROJECT
TOWN OF SMITH FALLS
**PUBLIC WORKS
OPERATIONS CENTRE**

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #
26539

CLIENT #

DRAWN BY
MB/IP

CHECKED BY
CWS

DATE
2026-06-29

SCALE
1 : 5

SHEET NAME

SECTION DETAILS

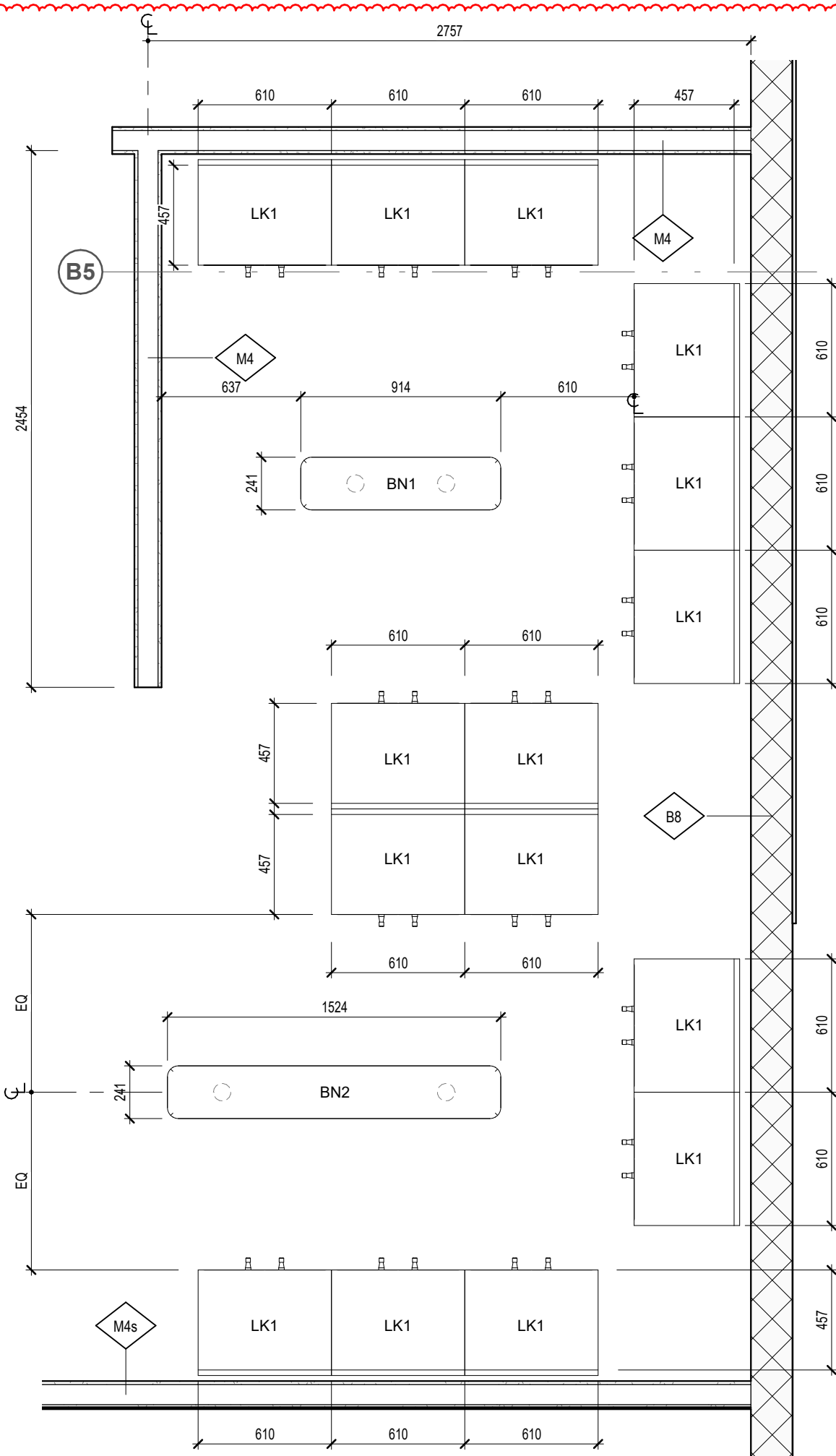
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A602

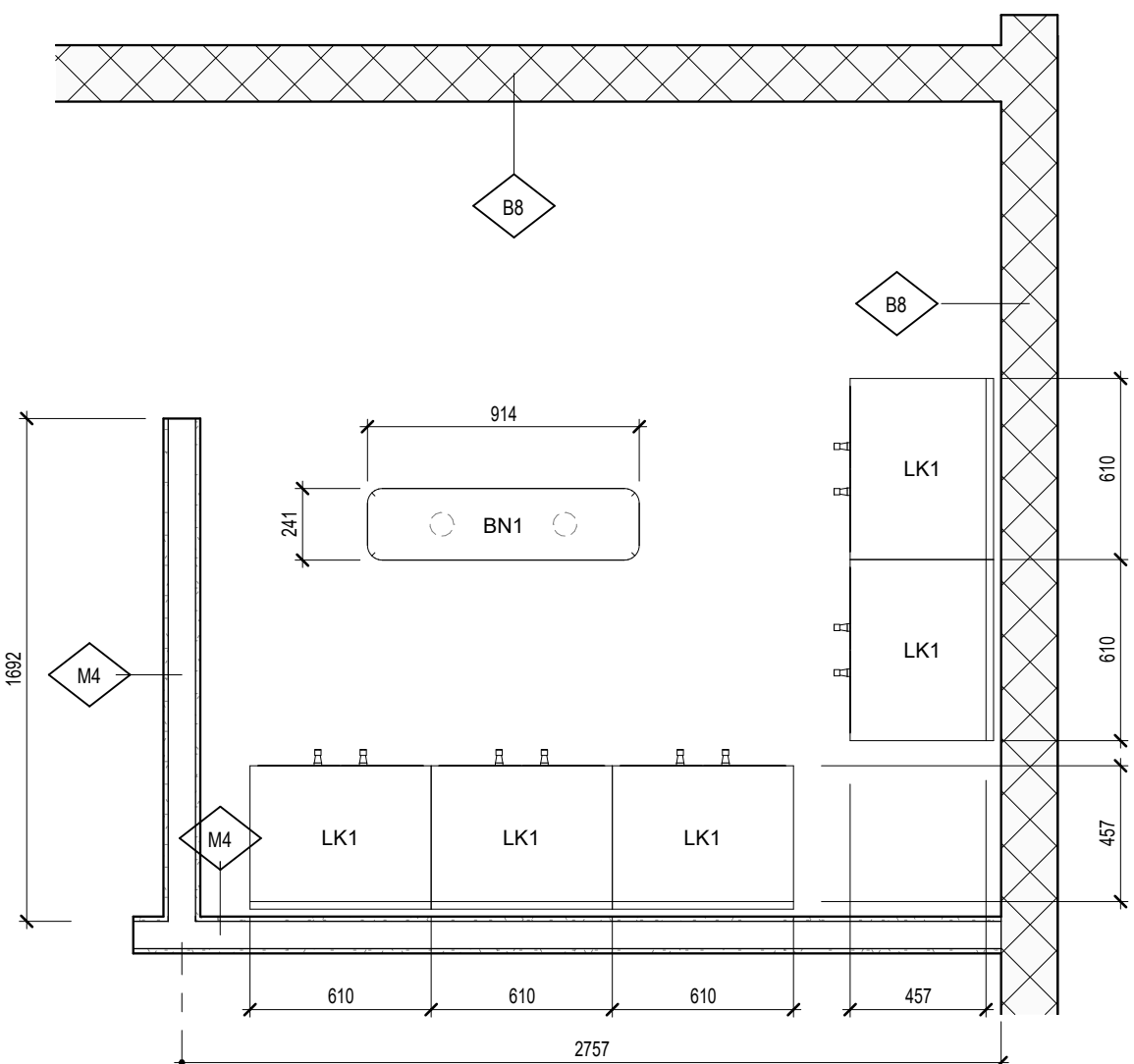
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ISSUANCE

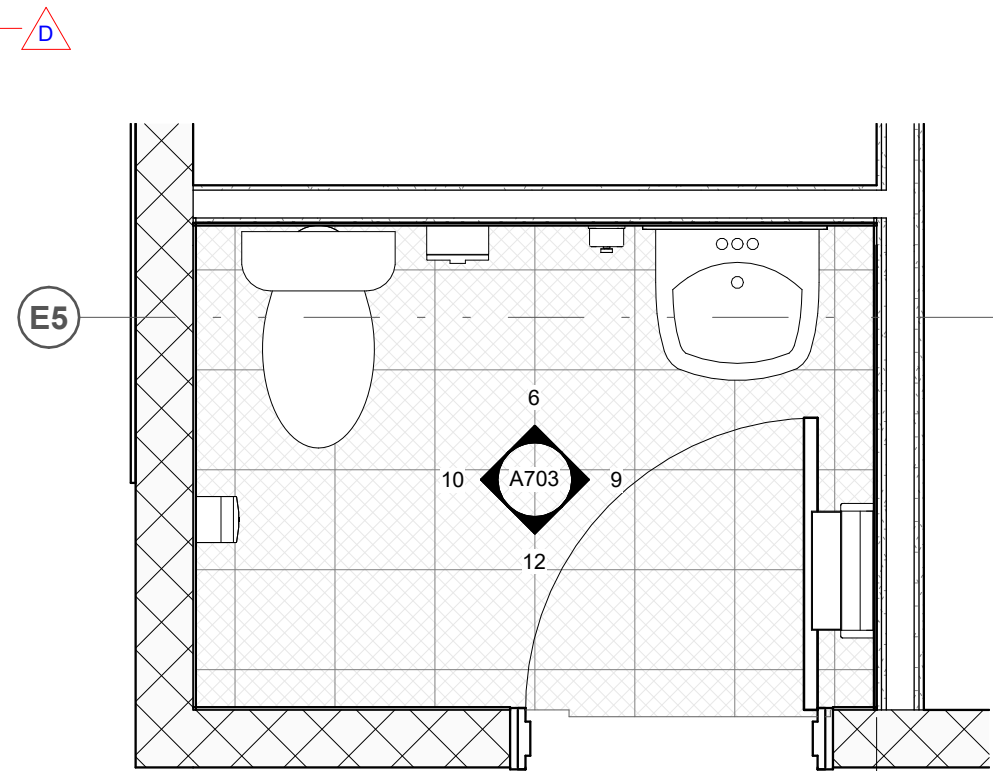
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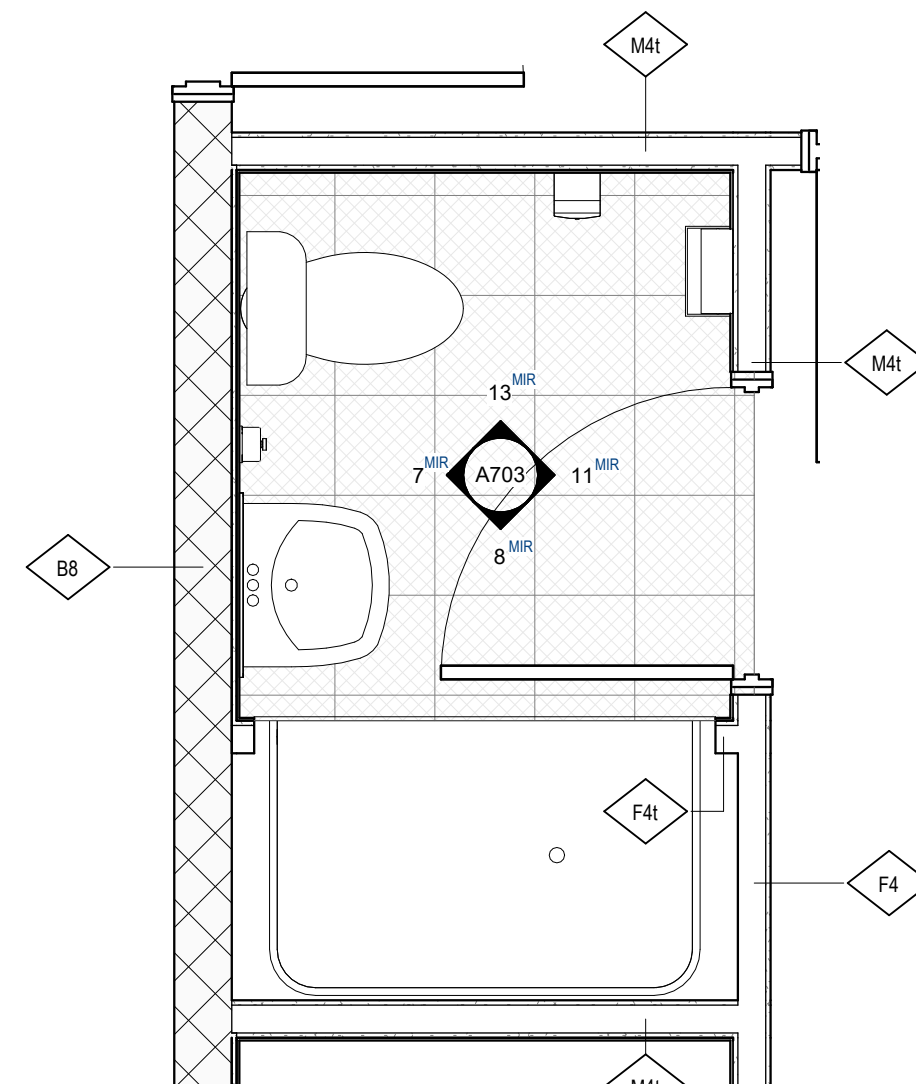
1 MALE CHANGE ROOM 135 - PLAN
A703 1 : 25



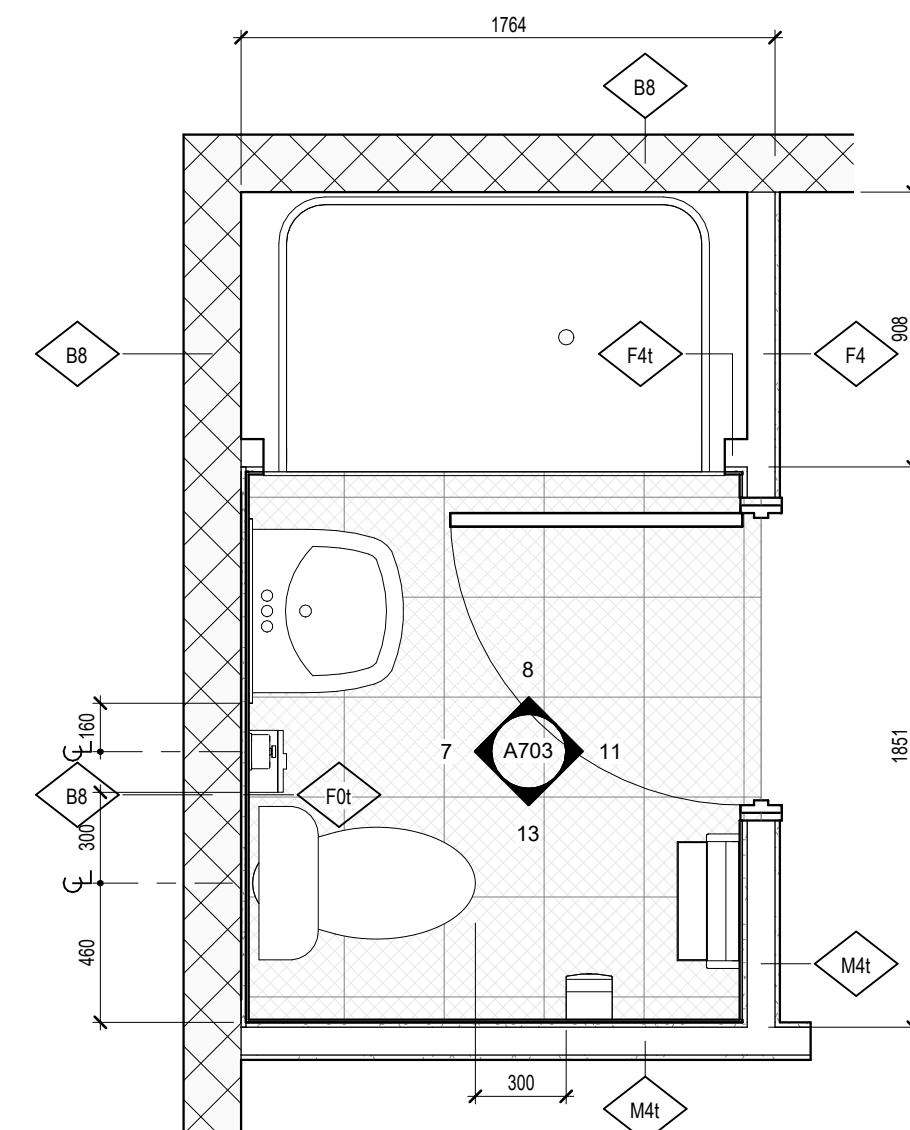
2 FEMALE CHANGE ROOM 130 - PLAN
A703 1 : 25



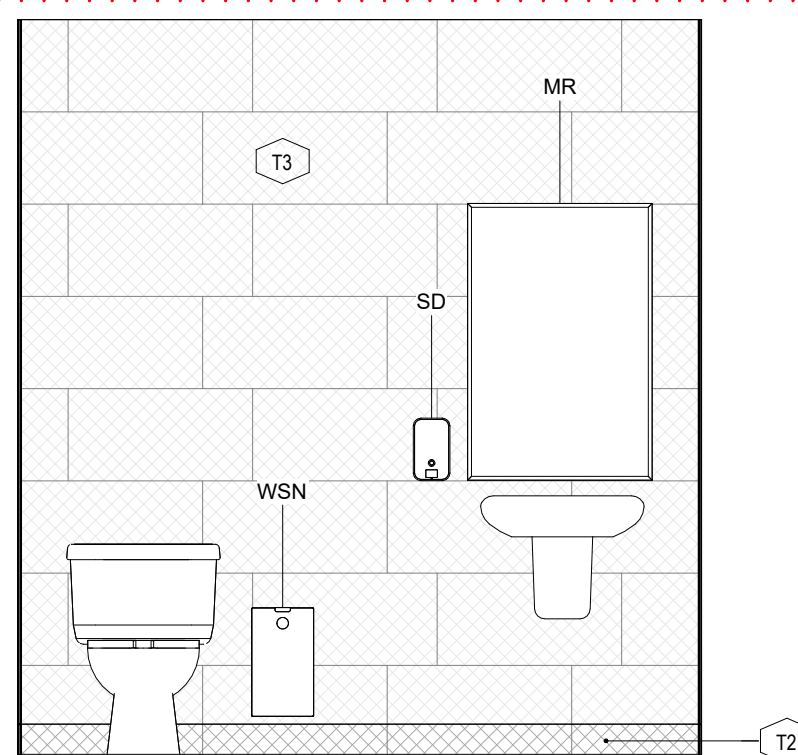
3 WC/SHOWER 138 - PLAN
A703 1 : 25



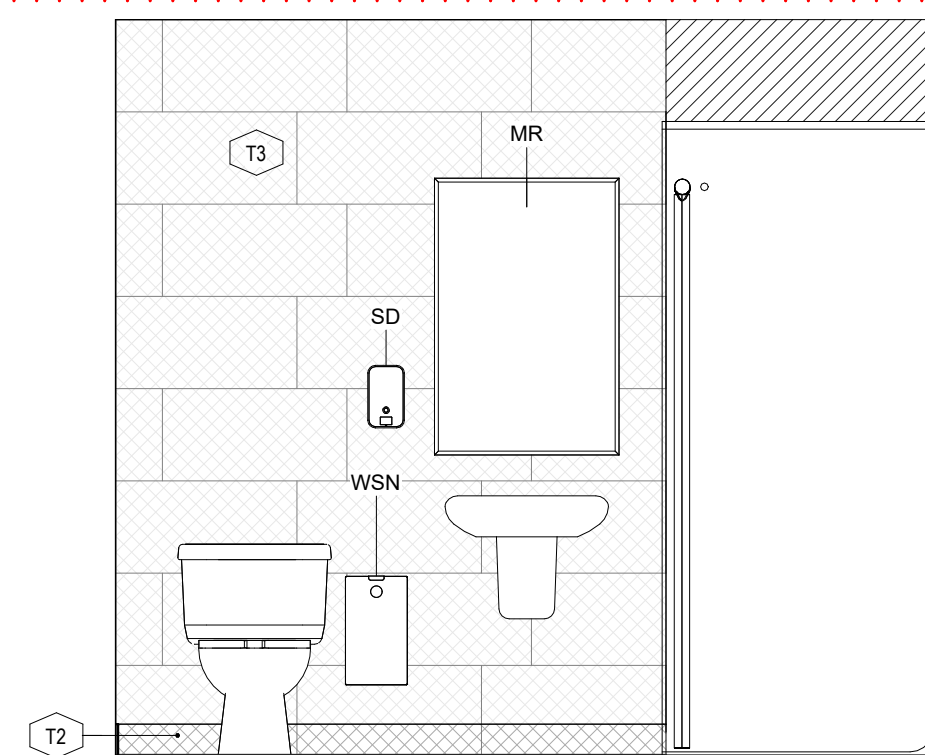
4 WC/SHOWER 133 & 134 - PLAN
A703 1 : 25



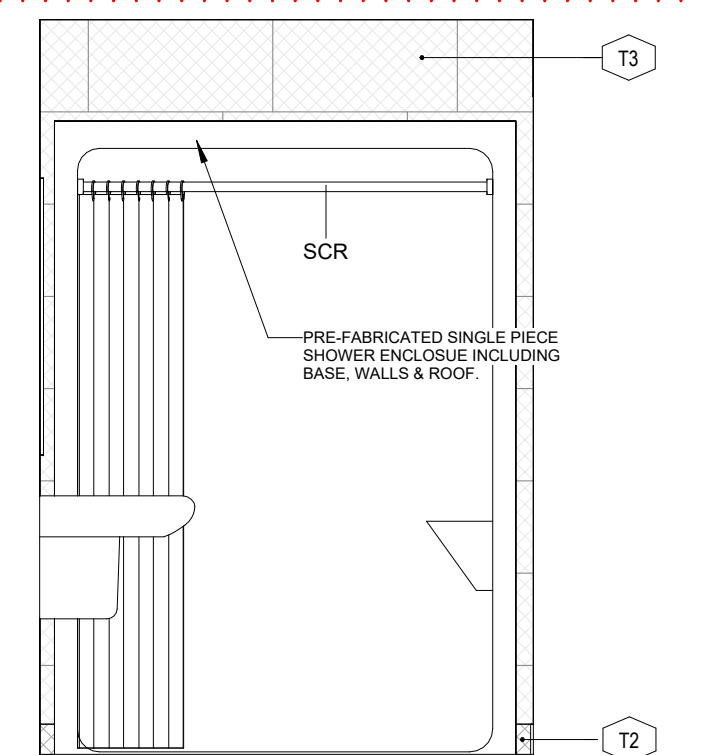
5 WC/SHOWER 129 - PLAN
A703 1 : 25



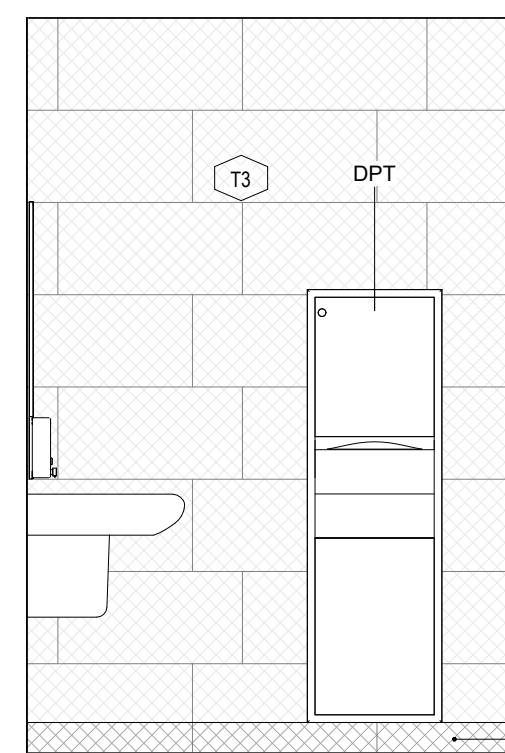
6 138 - NORTH ELEVATION
A703 1 : 25



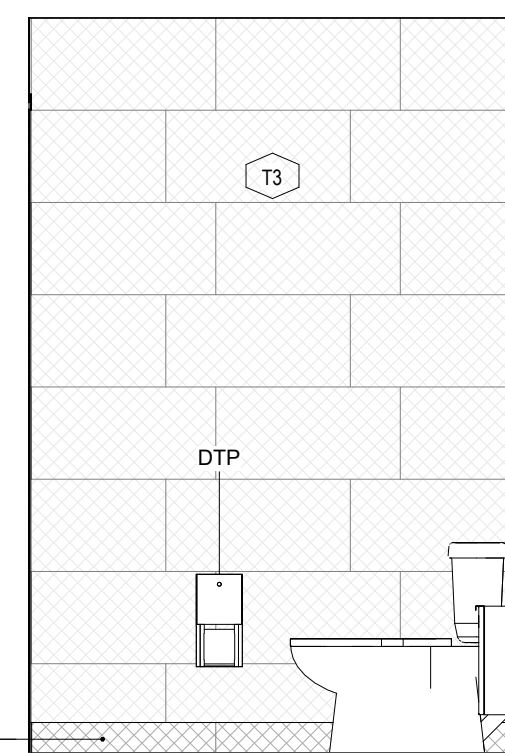
7 TYP. WR/SHOWER - WEST ELEV.
A703 1 : 25



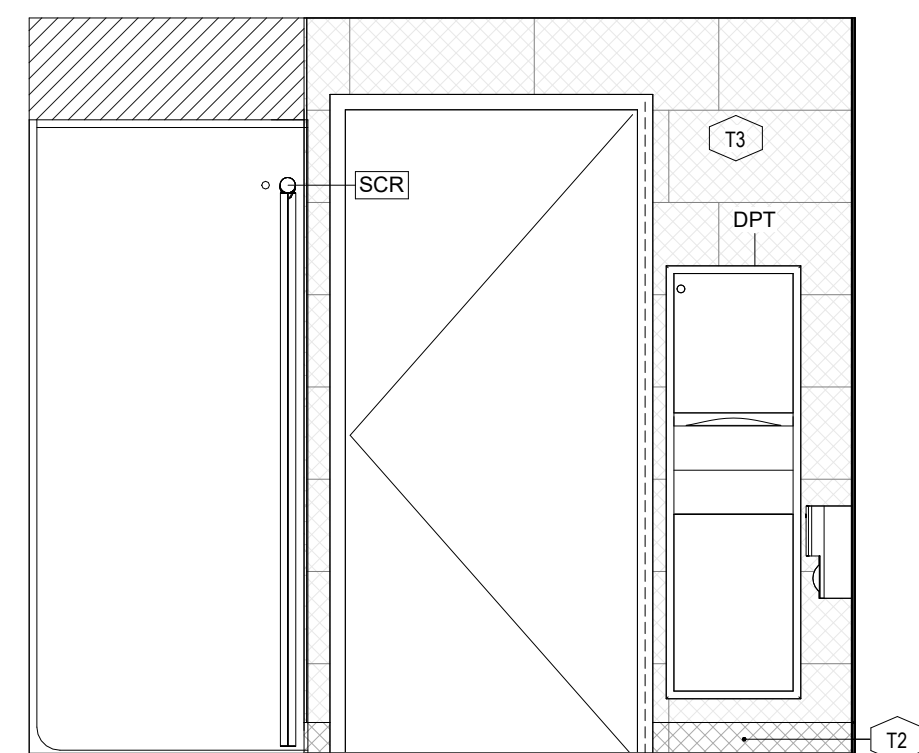
8 TYP. WR/SHOWER - NORTH ELEV.
A703 1 : 25



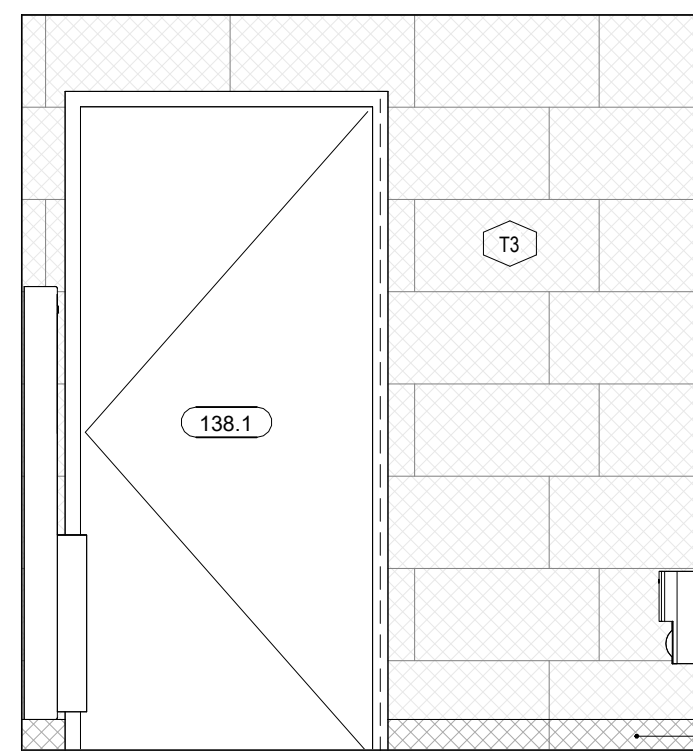
9 138 - EAST ELEV.
A703 1 : 25



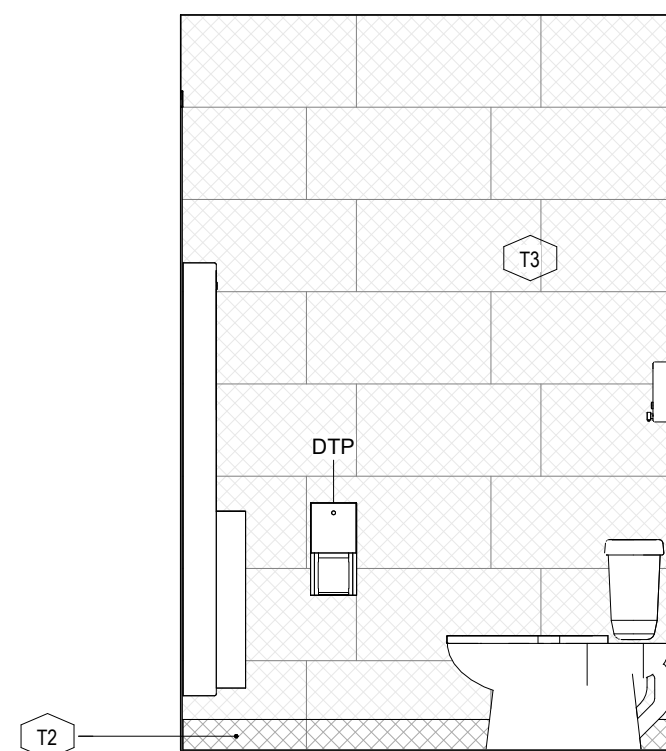
10 138 - WEST ELEV.
A703 1 : 25



11 TYP. WR/SHOWER - EAST ELEV.
A703 1 : 25



12 138 - SOUTH ELEV.
A703 1 : 25

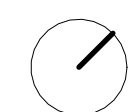


13 TYP. WR/SHOWER - SOUTH ELEV.
A703 1 : 25

PROJECT NORTH



TRUE NORTH



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PROJECT

TOWN OF SMITH FALLS
PUBLIC WORKS
OPERATIONS CENTRE

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA

26539

CLIENT

DRAWN BY

MB/IP

CHECKED BY

CWS

DATE

2026-07-27

SCALE

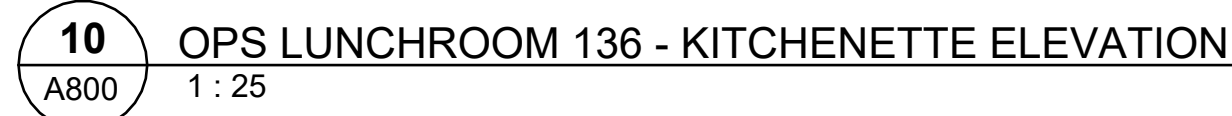
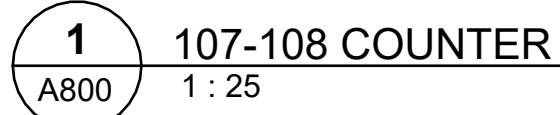
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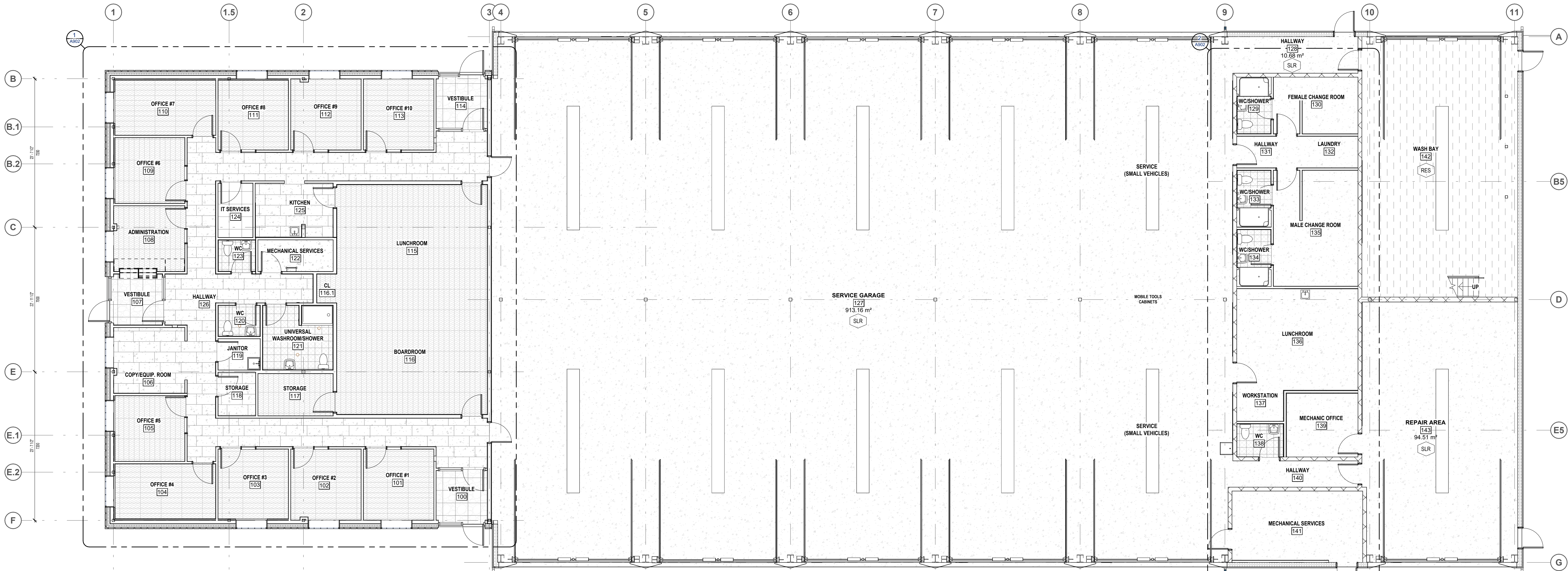
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OPS ENLARGED PLANS &
ELEVATIONS

SHEET NO

A703



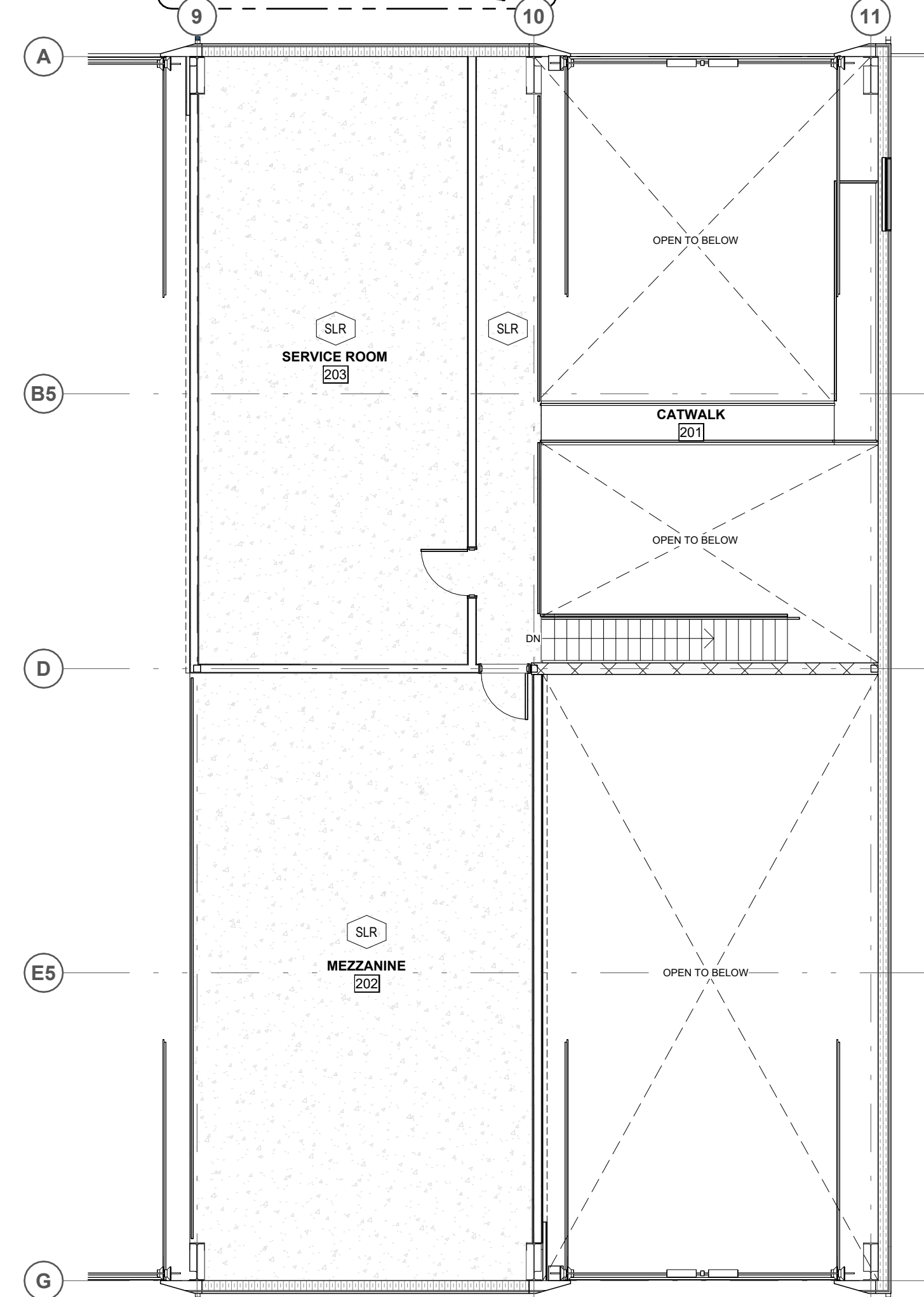


1 OVERALL FINISHES PLAN
A901 1 : 100

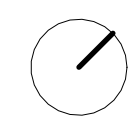
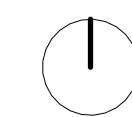
ROOM FINISHES SCHEDULE - LEVEL 01					
NO.	NAME	BASE	WALLS	ACCENT WALLS	CEILING
100	VESTIBULE	T1	PT4	PT5	PT1
101	OFFICE #1	RB1	PT4	PT5	-
102	OFFICE #2	RB1	PT4	PT5	-
103	OFFICE #3	RB1	PT4	PT5	-
104	OFFICE #4	RB1	PT4	PT5	-
105	OFFICE #5	RB1	PT4	PT5	-
106	COPY/EQUIP. ROOM	RB1	PT4	PT5	-
107	VESTIBULE	T1	PT4	-	PT1
108	ADMINISTRATION	RB1	PT4	PT5	-
109	OFFICE #6	RB1	PT4	PT5	-
110	OFFICE #7	RB1	PT4	PT5	-
111	OFFICE #8	RB1	PT4	PT5	-
112	OFFICE #9	RB1	PT4	PT5	-
113	OFFICE #10	RB1	PT4	PT5	-
114	VESTIBULE	T1	PT4	-	PT1
115	LUNCHROOM	RB1	PT4	PT5	PT1
116	BOARDROOM	RB1	PT4	PT5	PT1
116.1	CL	RB1	PT4	-	PT1
117	STORAGE	RB1	PT5	-	-
118	STORAGE	RB1	PT5	-	-
119	JANITOR	RB1	PT5	-	PT1
120	WC	T2	T3	-	PT1
121	UNIVERSAL WASHROOM/SHOWER	T2	T3	-	PT1
122	MECHANICAL SERVICES	RB1	PT5	-	-
123	WC	T2	T3	-	PT1
124	IT SERVICES	RB1	PT5	-	-
125	KITCHEN	RB1	PT4	T4, T5	PT1
126	HALLWAY	RB1	PT4	-	-
127	SERVICE GARAGE	RB1	PT5	-	-
128	HALLWAY	RB1	-	-	-
129	WC/SHOWER	T2	T3	-	PT1
130	FEMALE CHANGE ROOM	RB1	PT5	-	-
131	HALLWAY	RB1	PT5	-	-
132	LAUNDRY	RB1	PT5	-	-
133	WC/SHOWER	T2	T3	-	PT1
134	WC/SHOWER	T2	T3	-	PT1
135	MALE CHANGE ROOM	RB1	PT5	-	-
136	LUNCHROOM	RB1	PT4	T4, T5	PT1
137	WORKSTATION	RB1	PT5	-	PT1
138	WC	T2	T3	-	PT1
139	MECHANIC OFFICE	RB1	PT4	-	-
140	HALLWAY	RB1	-	-	-
141	MECHANICAL SERVICES	RB1	-	-	-
142	WASH BAY	-	-	-	-
143	REPAIR AREA	RB1	-	-	-

ROOM SCHEDULE - MEZZANINE				
NO.	NAME	BASE	WALL	CEILING
201	CATWALK	RB1	PT4	-
202	MEZZANINE	RB1	PT4	-
203	SERVICE ROOM	RB1	PT5	-

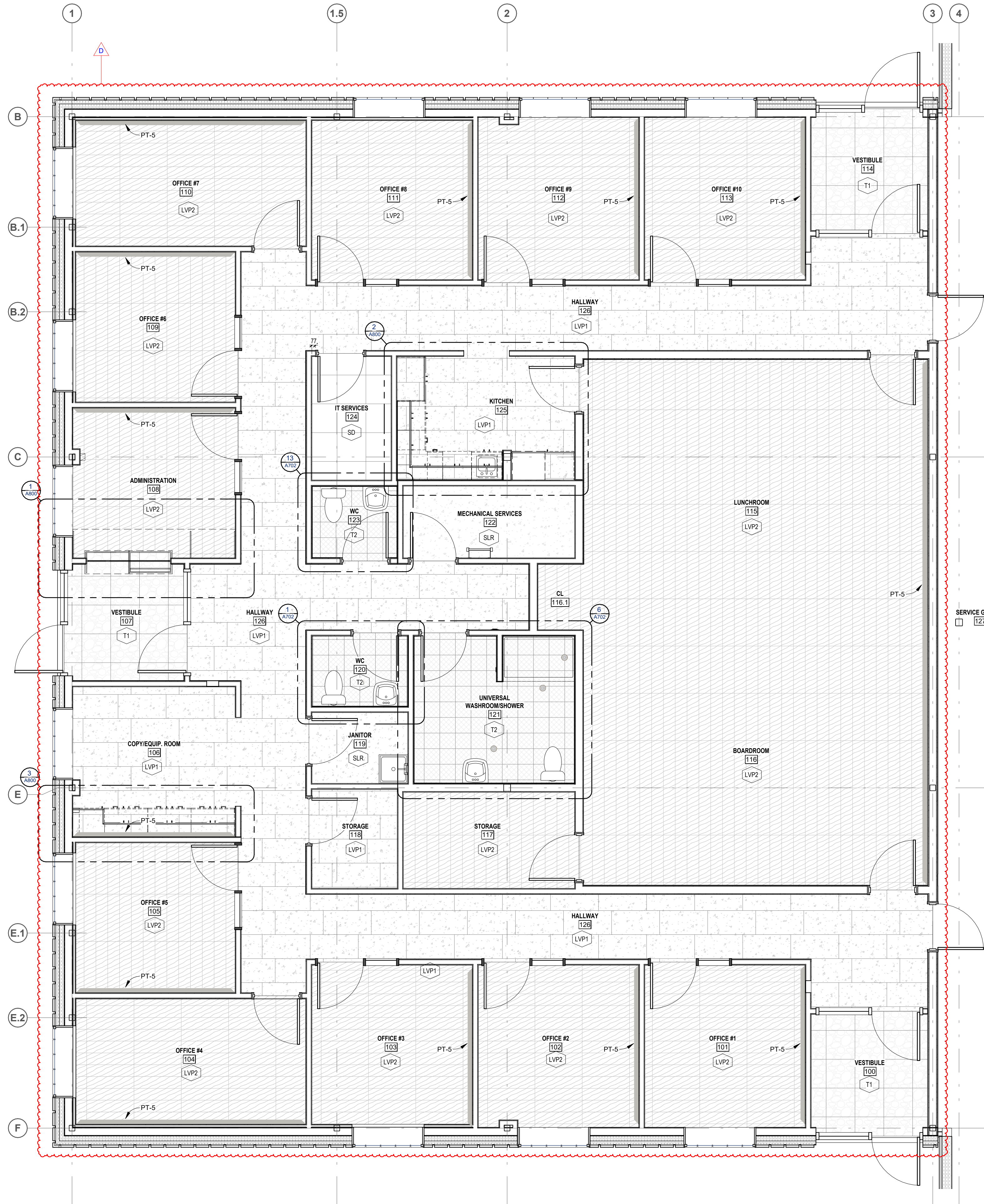
FINISHES LEGEND	
FLOOR FINISHES	
SLR	CONCRETE SEALER PRODUCT: SHERWIN-WILLIAMS COLOUR: MEDIUM GREY
T1	PORCELAIN TILE PRODUCT: EURO TILESTONE - CRASSANA COLOUR: NATURAL
T2	PORCELAIN TILE PRODUCT: EURO TILESTONE - AMIRA COLOUR: DARK
LVP1	LUXURY VINYL PLANK PRODUCT: INTERFAC - EARTHEN FORMS COLOUR: MARBLE DUST
LVP2	CARPET TILE PRODUCT: INTERFAC - EARTHEN FORMS COLOUR: PALE ASH
SD	STATIC DISSIPATIVE TILE PRODUCT: TARKETT - GRANIT COLOUR: DARK GREY
RES	RESINOUS FLOORING PRODUCT: SHERWIN-WILLIAMS - FAS TOP COLOUR: DARK GREY
WALL FINISHES	
T3	PORCELAIN TILE PRODUCT: EURO TILESTONE - AMIRA COLOUR: BONE
T4	PORCELAIN TILE PRODUCT: EURO TILESTONE - SOHO COLOUR: GALLERY GREY
T5	PORCELAIN TILE PRODUCT: EURO TILESTONE - SOHO COLOUR: HALO GREY
BASE FINISHES	
RB1	RUBBER BASE PRODUCT: TARKETT - JOHNSONITE COLOUR: 666 MYSTIFY CG PROFILE: BASEWORK, RUBBER 4TH - 18" T
T1	PORCELAIN TILE PRODUCT: EURO TILESTONE - CRASSANA COLOUR: NATURAL
T2	PORCELAIN TILE PRODUCT: EURO TILESTONE - AMIRA COLOUR: DARK
PAINTS	
PT-1	CEILING PAINT PRODUCT: SHERWIN-WILLIAMS COLOUR: EXTRA WHITE
PT-4	WALL FIELD PAINT PRODUCT: SHERWIN-WILLIAMS COLOUR: SNOWBOUND
PT-5	WALL FIELD PAINT PRODUCT: SHERWIN-WILLIAMS COLOUR: GUILD GREY



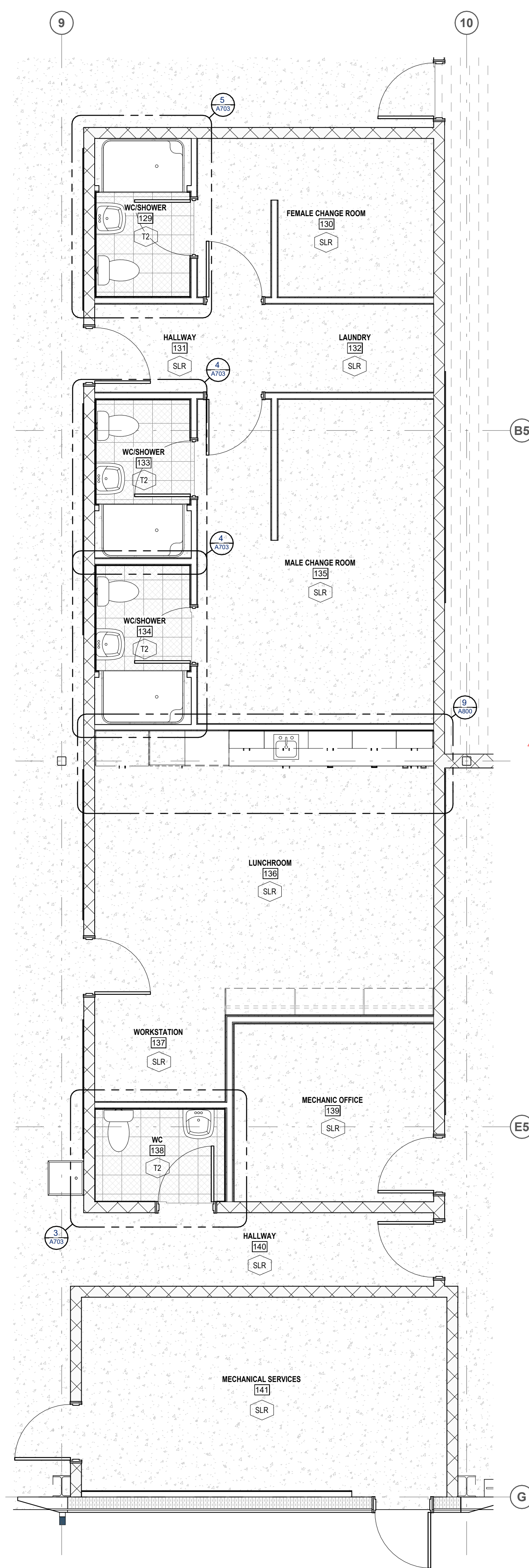
4 MEZZANINE FLOOR PLAN - FINISHES
A901 1 : 100



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1 OFFICE - FINISHES PLAN
A902 1 : 50



2 OPS - FINISHES PLAN
A902 1 : 50

FINISHES LEGEND	
FLOOR FINISHES	
SLR	CONCRETE SEALER PRODUCT: SHERWIN-WILLIAMS COLOUR: MEDIUM GREY
T1	PORCELAIN TILE PRODUCT: EURO TILESTONE - CRASSANA COLOUR: NATURAL
T2	PORCELAIN TILE PRODUCT: EURO TILESTONE - AMIRA COLOUR: DARK
LVP1	LUXURY VINYL PLAN PRODUCT: INTERFACE - EARTHEN FORMS COLOUR: MARBLE EVIST
LVP2	CARPET TILE PRODUCT: INTERFACE - EARTHEN FORMS COLOUR: PALE ASH
SD	STATIC DISSIPATIVE TILE PRODUCT: TARKETT - GRANIT COLOUR: 0948 GREY
RES	RESINOUS FLOORING PRODUCT: SHERWIN-WILLIAMS - FAS TOP COLOUR: DARK GREY
WALL FINISHES	
T3	PORCELAIN TILE PRODUCT: EURO TILESTONE - AMIRA COLOUR: BONE
T4	PORCELAIN TILE PRODUCT: EURO TILESTONE - SOHO COLOUR: GALLERY GREY
T5	PORCELAIN TILE PRODUCT: EURO TILESTONE - SOHO COLOUR: HALO GREY
BASE FINISHES	
RB1	RUBBER BASE PRODUCT: TARKETT - JOHNSONITE COLOUR: 489 MYSTIFY CG PROFILE: BASEWORK RUBBER 4H - 1/8" T
T1	PORCELAIN TILE PRODUCT: EURO TILESTONE - CRASSANA COLOUR: NATURAL
T2	PORCELAIN TILE PRODUCT: EURO TILESTONE - AMIRA COLOUR: DARK
PAINTS	
PT-1	CEILING PAINT PRODUCT: SHERWIN-WILLIAMS COLOUR: EXTRA WHITE
PT-4	WALL FIELD PAINT PRODUCT: SHERWIN-WILLIAMS COLOUR: SNOWBOUND
PT-5	WALL FIELD PAINT PRODUCT: SHERWIN-WILLIAMS COLOUR: GUILD GREY

ROOM FINISHES SCHEDULE - LEVEL 01					
NO.	NAME	BASE	WALLS	ACCENT WALLS	CEILING
100	VESTIBULE	T1	PT4	-	PT1
101	OFFICE #1	RB1	PT4	PT5	-
102	OFFICE #2	RB1	PT4	PT5	-
103	OFFICE #3	RB1	PT4	PT5	-
104	OFFICE #4	RB1	PT4	PT5	-
105	OFFICE #5	RB1	PT4	PT5	-
106	COPY/EQUIP. ROOM	RB1	PT4	PT5	-
107	VESTIBULE	T1	PT4	-	PT1
108	ADMINISTRATION	RB1	PT4	PT5	-
109	OFFICE #6	RB1	PT4	PT5	-
110	OFFICE #7	RB1	PT4	PT5	-
111	OFFICE #8	RB1	PT4	PT5	-
112	OFFICE #9	RB1	PT4	PT5	-
113	OFFICE #10	RB1	PT4	PT5	-
114	VESTIBULE	T1	PT4	-	PT1
115	LUNCHROOM	RB1	PT4	PT5	PT1
116	BOARDROOM	RB1	PT4	PT5	PT1
116.1	CL	RB1	PT4	-	PT1
117	STORAGE	RB1	PT5	-	-
118	STORAGE	RB1	PT5	-	-
119	JANITOR	RB1	PT5	-	PT1
120	WC	T2	T3	-	PT1
121	UNIVERSAL WASHROOM/SHOWER	T2	T3	-	PT1
122	MECHANICAL SERVICES	RB1	PT5	-	-
123	WC	T2	T3	-	PT1
124	IT SERVICES	RB1	PT5	-	-
125	KITCHEN	RB1	PT4	T4, T5	PT1
126	HALLWAY	RB1	PT4	-	-
127	SERVICE GARAGE	RB1	PT5	-	-
128	HALLWAY	RB1	-	-	-
129	WC/SHOWER	T2	T3	-	PT1
130	FEMALE CHANGE ROOM	RB1	PT5	-	-
131	HALLWAY	RB1	PT5	-	-
132	LAUNDRY	RB1	PT5	-	-
133	WC/SHOWER	T2	T3	-	PT1
134	WC/SHOWER	T2	T3	-	PT1
135	MALE CHANGE ROOM	RB1	PT5	-	-
136	LUNCHROOM	RB1	PT4	T4, T5	-
137	WORKSTATION	RB1	PT5	-	PT1
138	WC	T2	T3	-	PT1
139	MECHANIC OFFICE	RB1	PT4	-	-
140	HALLWAY	RB1	-	-	-
141	MECHANICAL SERVICES	RB1	-	-	-
142	WASH BAY	-	-	-	-
143	REPAIR AREA	RB1	-	-	-

SEAL

ISSUANCE		
NO	DATE	ISSUE
A	2026-06-01	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT AND TENDER
D	2026-07-27	ISSUED FOR ADDENDUM 003



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PROJECT
**TOWN OF SMITH FALLS
PUBLIC WORKS
OPERATIONS CENTRE**

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #
26539

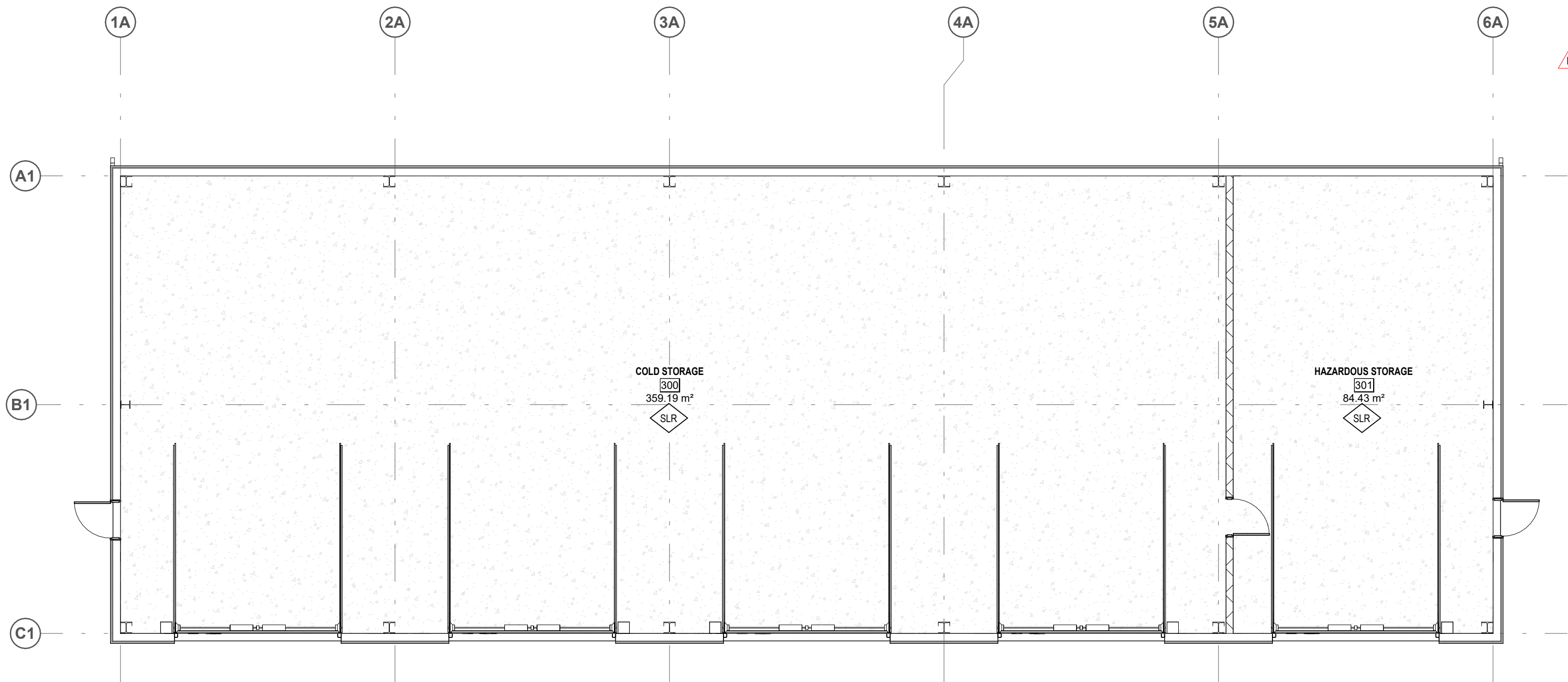
DRAWN BY
MB/IP

DATE
2026-07-27

SHEET NAME
ENLARGED FINISHES PLAN

SHEET NO
A902

D (24"x36")

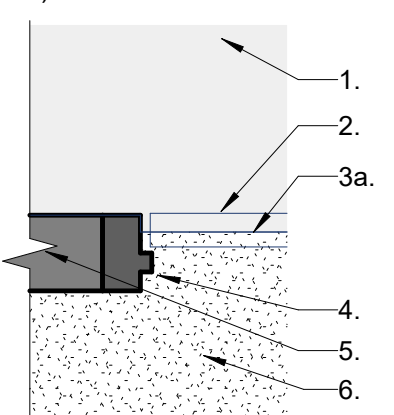


1 LEVEL 1 FLOOR PLAN - COLD STORAGE - FINISHES
A903 1 : 100

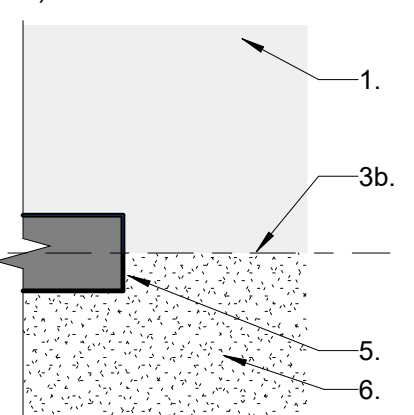
FINISHES LEGEND	
FLOOR FINISHES	
SLR	CONCRETE SEALER PRODUCT: SHERWIN-WILLIAMS COLOUR: MEDIUM GREY
T1	PORCELAIN TILE PRODUCT: EURO TILESTONE - CRASSANA COLOUR: NATURAL
T2	PORCELAIN TILE PRODUCT: EURO TILESTONE - AMIRA COLOUR: DARK
LVP1	LUXURY VINYL PLAN PRODUCT: INTERFACE - EARTHEN FORMS COLOUR: MARBLE FUST
LVP2	CARPET TILE PRODUCT: INTERFACE - EARTHEN FORMS COLOUR: PALE ASH
SD	STATIC DISSIPATIVE TILE PRODUCT: TARKETT - GRANIT COLOUR: 0948 GREY
RES	BESINOUS FLOORING PRODUCT: SHERWIN-WILLIAMS - FAS TOP COLOUR: DARK GREY
WALL FINISHES	
T3	PORCELAIN TILE PRODUCT: EURO TILESTONE - AMIRA COLOUR: BONE
T4	PORCELAIN TILE PRODUCT: EURO TILESTONE - SOHO COLOUR: GALLERY GREY
T5	PORCELAIN TILE PRODUCT: EURO TILESTONE - SOHO COLOUR: HALO GREY
BASE FINISHES	
RB1	RUBBER BASE PRODUCT: TARKETT - JOHNSONITE COLOUR: 400 MYSTIFY CO. PROFILE: BASEWORK RUBBER 4H - 1/8" T
T1	PORCELAIN TILE PRODUCT: EURO TILESTONE - CRASSANA COLOUR: NATURAL
T2	PORCELAIN TILE PRODUCT: EURO TILESTONE - AMIRA COLOUR: DARK
PAINTS	
PT-1	CEILING PAINT PRODUCT: SHERWIN-WILLIAMS COLOUR: EXTRA WHITE
PT-4	WALL FIELD PAINT PRODUCT: SHERWIN-WILLIAMS COLOUR: SNOWBOUND
PT-5	WALL FIELD PAINT PRODUCT: SHERWIN-WILLIAMS COLOUR: GUILD GREY

ROOM FINISHES SCHEDULE - LEVEL 01 - COLD STORAGE				
NO.	NAME	BASE	WALL	CEILING
300	COLD STORAGE	RB1	-	-
301	HAZARDOUS STORAGE	RB1	-	-

a) DOOR FRAME CONDITION

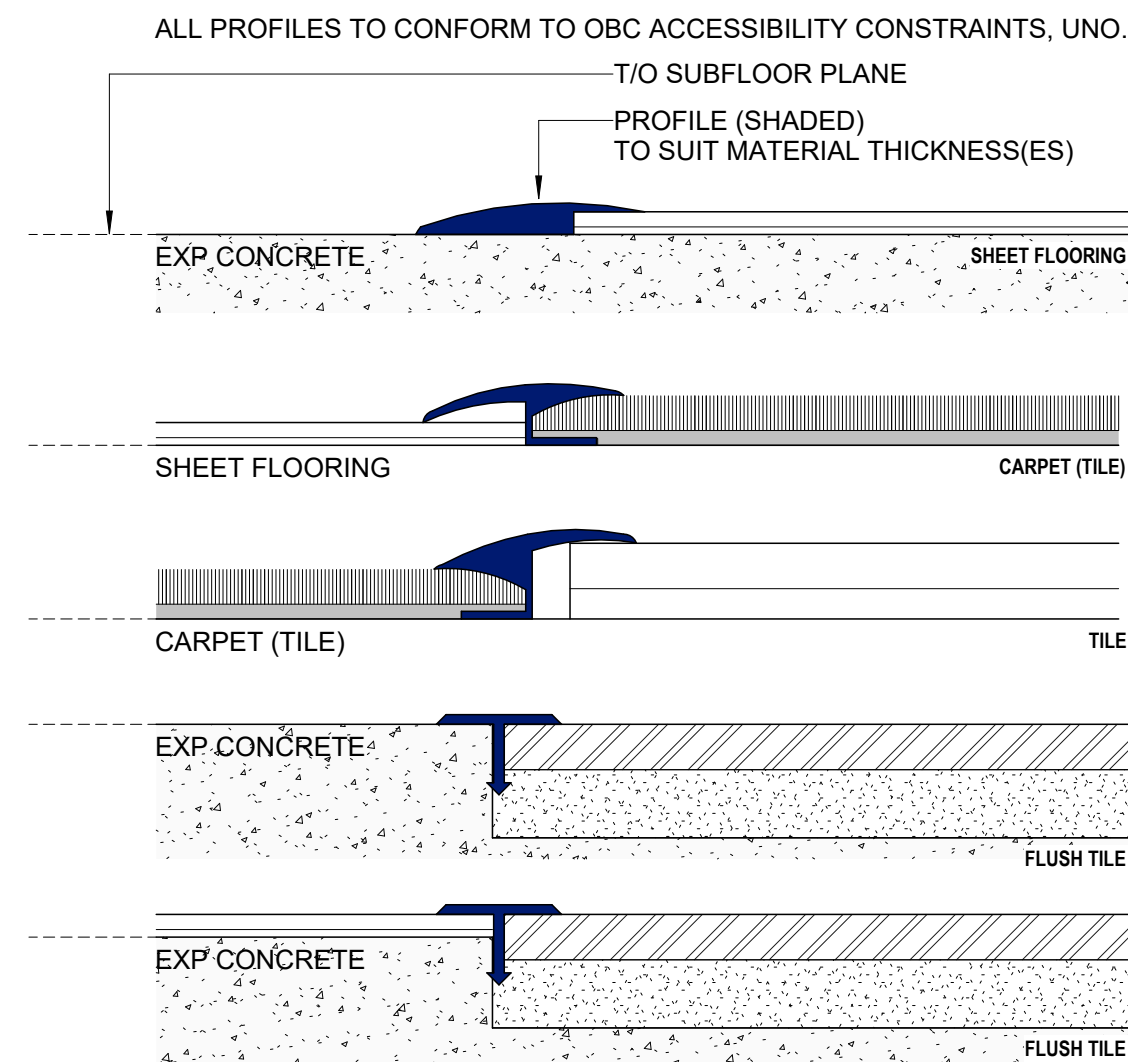


b) END PARTITION CONDITION

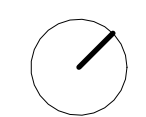
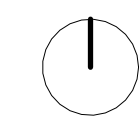


DETAIL NOTES:
1. FLOOR FINISH X
2. TYP. DOOR OUTLINE
3. PROVIDE FLOOR FINISH
TRANSITION TRIM:
a) ALIGNED TO CL OF DOOR
PANEL UNO, TYP.
b) ALIGNED TO CL OF
PARTITION UNO, TYP.
4. DOOR FRAME
5. PARTITION
6. FLOOR FINISH Y

2 PLAN DETAIL - TYP. FLOOR TRANSITIONS
A903 1 : 10



3 SECTION DETAIL - TYP. FLOOR TRANSITIONS
A903 1 : 1

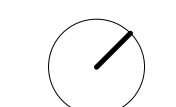


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NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER
D	2026-07-28	ISSUED FOR ADD-003



TRUE NORTH



GENERAL NOTES

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PROJECT
TOWN OF SMITH FALLS

**PUBLIC WORKS
OPERATIONS CENTRE**

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #
26539

CLIENT #

DRAWN BY
B.RITTWAGE

CHECKED BY
N.FRAYN

DATE
2026-07-28

SCALE
1 : 350

SHEET NAME

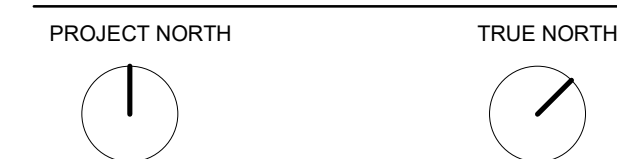
SITE PLAN

SHEET NO. _____

E101

D (24"x36")

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDE
D	2026-07-28	ISSUED FOR ADD-003



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PROJECT

TOWN OF SMITH FALLS
**PUBLIC WORKS
OPERATIONS CENTRE**

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA

CLIENT #

DRAWN BY
B.RITTWAGE

CHECKED BY
N.FRAYN

DATE
2026-07-25

SCALE
1 : 100

SHEET NAME

ROOF PLAN & ELECTRICAL PLANS - COLD STORAGE

SHEET NO.

E202

NO	DATE	ISSUE
A	2026-05-08	ISSUED FOR REVIEW
B	2026-06-01	ISSUED FOR FINAL REVIEW
C	2026-06-29	ISSUED FOR PERMIT & TENDER
D	2026-07-28	ISSUED FOR ADD-003



GENERAL NOTES

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PROJECT
TOWN OF SMITH FALLS
**PUBLIC WORKS
OPERATIONS CENTRE**

11 AIR CARE DR.
SMITHS FALLS, ON. K7A 0B2

IDEA #
26539

CLIENT #

DRAWN BY
B.RITTWAGE

CHECKED BY
N.FRAYN

DATE
2026-07-28

SCALE
1 : 100

SHEET NAME

**SECURITY DEVICE PLAN -
LEVEL 01**

SHEET NO.

E401

□ (24"x36")

PART 1 GENERAL

1.1 OWNERS USE OF THE EXISTING PREMESIS

- .1 The existing public works operation facility, storage yard and salt dome building will remain operational by the Owner throughout construction of the new buildings. Construction of the new buildings have been arrange in a manner to allow the existing facilities to remain operational throughout the construction process. The Contractor will be responsible for sequencing construction in a manner that allows the Owners operations to continue. Demolition of the existing building and the associated services is not to occur until the new main building construction has achieved occupancy. It is understood that the Contractor will require working space around the new building throughout construction and that disruptions to the Owners operation will be required. Maintaining construction fencing, time and space separation between the construction zone and the owners operational zone will be the responsibility of the Contractor. All costs associated with sequencing the work are to be including in the tender price of each bidder.

1.2 ACCESS AND EGRESS

- .1 Design, construct and maintain temporary "access to" and "egress from" work areas, including stairs, runways, ramps or ladders, independent of finished surfaces and in accordance with all relevant municipal, provincial and other regulations.

1.3 GENERAL REQUIREMENTS

- .1 Submit a Construction Progress Schedule in accordance with Section 01 32 16.16.
- .2 Submit a Traffic Management Plan that identifies the following:
 - .1 All vehicle access points and permitted movements at these points for all vehicle types;
 - .2 Show access control points and gates;
 - .3 Show material loading / unloading zones and truck routing through the site;
 - .4 Pedestrian (worker) access to the site;
 - .5 Closure of pedestrian facilities (if required), the contractor is to show where and how pedestrians are to be re-routed around the work zone;
 - .6 Type/Location/Quantity of signs required for traffic control;
 - .7 Quantity and Location of flag person(s) for trucks leaving / entering the site.
- .3 Maintain the integrity of the traffic management plan throughout the entire demolition/construction project.
- .4 The onus will be on contractor to respond to any issues that are brought forward by project manager or the residents of the area.
- .5 Ensure that Contractor personnel employed on site become familiar with and obey regulations including safety, fire, traffic and security regulations appended to this section.
- .6 Keep within the designated limits of work and avenues of ingress and egress.
- .7 Definitions:
 - .1 Demolition: This is a deconstruction project. The word "demolition", "dismantle" and "Deconstruction" are used interchangeable for the purpose of interpreting the contract documents.
 - .2 Construction: Even though this is mainly a deconstruction project, there is still some new construction in the contract documents.

1.4 WORK SEQUENCE

- .1 Construct the Work in stages to accommodate the clients continued use of the surrounding premises during demolition/construction to the maximum possible extent. Where the nature of the work does not permit usage of a portion of the surrounding premises by the client during construction.
- .2 Execute work with the least possible interference or disturbance to building operations, occupants, and normal use of the premises.
- .3 Coordinate the Progress Schedule and cooperate with the project manager in scheduling operations to minimize conflict and to facilitate tenant usage.
- .4 The Contractor is responsible to determine the schedule and sequence of work to meet the Demolition Schedule.
- .5 Maintain fire access/control during construction.

1.5 EXISTING WORK

- .1 Remove or alter existing work to prevent injury or damage to portions of existing work which remain.
- .2 Repair or replace portions of the existing work which have been altered during construction operations to a condition no less than what existed, as directed by the project manager.
- .3 At the completion of operations, the condition of existing work must be equal to or better than that which existed before the new work was started.
- .4 Protect all existing surfaces, finishes and assemblies to remain in place adjacent to areas of work under this project.

1.6 EXISTING SERVICES

- .1 Notify the project manager and utility companies of intended interruption of services and obtain required permission.
- .2 Provide alternative routes for personnel, pedestrian and vehicular traffic.
- .3 Submit a schedule to and obtain approval from the Building Owner for any shut-down or closure of an active service or facility, including power and communications services. Adhere to approved schedule and provide notice to affected parties.
 - .1 Provide two-week notice related to each necessary interruption of any Mechanical or Electrical services through the course of the work. Keep duration of these interruptions to a minimum. Carry out all interruptions after normal working hours of the occupants or on weekends.
- .4 Where unknown services are encountered, immediately advise the project manager, and confirm findings in writing.
- .5 Protect, relocate or maintain existing active services. When inactive services are encountered, cap off in a manner approved by the authorities having jurisdiction.
- .6 Record the locations of maintained, re-routed and abandoned service lines.
- .7 Construct barriers in accordance with Section 01 56 00 "Temporary Barriers and Enclosures".
- .8 Under any circumstances, do not block required access to exits and fire escape routes during the project duration. All existing life safety systems and indicators shall be operational at all times.

1.7 SMOKING ENVIRONMENT

- .1 Smoking is not permitted on Property. Obey smoking restrictions on surrounding properties.

PART 2 PRODUCTS

2.1 NOT USED

- .1 Not Used.

PART 3 EXECUTION

3.1 NOT USED

- .1 Not Used.

END OF SECTION

1.1 SCHEDULE

- .1 The following is a list of hardware to be used to meet the Client's standards on this project. Any deviation from the hardware scheduled shall be replaced with the proper Hardware at the Door Hardware Supplier's expense. Acceptable alternates as listed. Substitutions without prior approval will not be accepted in the shop drawing submission.

Hardware schedule as follows:

ITEM #1.	1 SGLE DOOR 100.1 1/1016x2135x52 TYPE FG/AL1	EXTERIOR TO VESTIBULE 100 AL/AL	RHR
----------	--	------------------------------------	-----

- 1 EA CONTINUOUS HINGES
- 1 EA RIM EXIT DEVICE (NIGHT LATCH)
- 1 EA ELECTRIC STRIKE (SURFACE)
- 1 EA AUTO DOOR OPENER (PUSH SIDE)
- 1 EA OVERHEAD STOP
- 2 EA ACTUATORS
- 1 EA CARD READER
- 1 EA DOOR CONTACT

NOTES:

- THRESHOLD + WEATHER STRIPPING TO BE INCLUDED BY ALUMINUM DOOR AND FRAME SUPPLIER

ITEM #2.	1 SGLE DOOR 100.2 1/1016x2135x52 TYPE FG/AL1	VESTIBULE 100 TO HALLWAY 126 AL/AL	RHR
----------	--	---------------------------------------	-----

- 1 EA CONTINUOUS HINGES
- 1 EA RIM EXIT DEVICE (LEVER - BLANK)
- 1 EA DOOR CLOSER (PUSH SIDE)
- 1 EA WALL STOP

NOTES:

- THRESHOLD + WEATHER STRIPPING TO BE INCLUDED BY ALUMINUM DOOR AND FRAME SUPPLIER

ITEM #3.	1 SGLE DOOR 101.1	HALLWAY 126 OFFICE #1	RH
ITEM #4.	1 SGLE DOOR 102.1	HALLWAY 126 OFFICE #2	RH

ITEM #5.	1 SGLE DOOR 103.1	HALLWAY 126 OFFICE #3	RH
ITEM #6.	1 SGLE DOOR 104.1	HALLWAY 126 OFFICE #4	LH
ITEM #7.	1 SGLE DOOR 105.1	HALLWAY 126 OFFICE #5	RH
	1/965x2135x45	SCWD/PS	
	TYPE F/PS : SPL		

- 3 EA HINGES (NRP)
- 1 EA LOCKSET (OFFICE)
- 1 EA PROTECTION PLATE (KICK)
- 1 EA WALL STOP
- 1 EA AUTO DOOR BOTTOM
- 1 SET SOUND SEALS
- 3 EA DOOR SILENCER

ITEM #8.	1 SGLE DOOR 107.1	EXTERIOR TO VESTIBULE 107	RHR
	1/1016x2135x52	AL/AL	
	TYPE FG/AL1		

- 1 EA CONTINUOUS HINGES
- 1 EA RIM EXIT DEVICE (NIGHT LATCH)
- 1 EA ELECTRIC STRIKE (SURFACE)
- 1 EA AUTO DOOR OPENER (PUSH SIDE)
- 1 EA OVERHEAD STOP
- 2 EA ACTUATORS
- 1 EA CARD READER
- 1 EA DOOR CONTACT

NOTES:

- THRESHOLD + WEATHER STRIPPING TO BE INCLUDED BY ALUMINUM DOOR AND FRAME SUPPLIER

ITEM #9.	1 SGLE DOOR 107.2	VESTIBULE 107 TO HALLWAY 126	RHR
	1/1016x2135x52	AL/AL	
	TYPE FG/AL1		

- 1 EA CONTINUOUS HINGES
- 1 EA RIM EXIT DEVICE (LEVER - BLANK)
- 1 EA DOOR CLOSER (PUSH SIDE)
- 1 EA WALL STOP

NOTES:

- THRESHOLD + WEATHER STRIPPING TO BE INCLUDED BY ALUMINUM DOOR AND FRAME SUPPLIER

ITEM #10.	1 SGLE DOOR 108.1	HALLWAY 126 TO ADMINISTRATION	RH
ITEM #11.	1 SGLE DOOR 109.1	HALLWAY 126 TO OFFICE #2	LH
ITEM #12.	1 SGLE DOOR 110.1	HALLWAY 126 TO OFFICE #3	RH
ITEM #13.	1 SGLE DOOR 111.1	HALLWAY 126 TO OFFICE #4	LH

ITEM #14.	1 SGLE DOOR 112.1	HALLWAY 126 TO OFFICE #5	LH
ITEM #15.	1 SGLE DOOR 113.1	HALLWAY 126 TO OFFICE #5	LH
	1/965x2135x45	SCWD/PS	
	TYPE F/PS : SPL		
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(OFFICE)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA WALL STOP		
	1 EA AUTO DOOR BOTTOM		
	1 SET SOUND SEALS		
	3 EA DOOR SILENCER		
ITEM #16.	1 SGLE DOOR 114.1	EXTERIOR TO VESTIBULE 114	LHR
	1/1016x2135x52	AL/AL	
	TYPE FG/AL1		
	1 EA CONTINUOUS HINGES		
	1 EA RIM EXIT DEVICE	(NIGHT LATCH)	
	1 EA ELECTRIC STRIKE	(SURFACE) (FAIL SECURE)	
	1 EA AUTO DOOR OPENER	(PUSH SIDE)	
	1 EA OVERHEAD STOP		
	2 EA ACTUATORS		
	1 EA CARD READER		
	1 EA DOOR CONTACT		
	<u>NOTES:</u>		
	- THRESHOLD + WEATHER STRIPPING TO BE INCLUDED BY ALUMINUM DOOR AND FRAME SUPPLIER		
ITEM #17.	1 SGLE DOOR 114.2	VESTIBULE 114 TO HALLWAY 126	LHR
	1/1016x2135x52	AL/AL	
	TYPE FG/AL1		
	1 EA CONTINUOUS HINGES		
	1 EA RIM EXIT DEVICE	(LEVER - BLANK)	
	1 EA DOOR CLOSER	(PUSH SIDE)	
	1 EA WALL STOP		
	<u>NOTES:</u>		
	- THRESHOLD + WEATHER STRIPPING TO BE INCLUDED BY ALUMINUM DOOR AND FRAME SUPPLIER		
ITEM #18.	1 SGLE DOOR 115.1	HALLWAY 126 TO LUNCHROOM 115	LH
ITEM #19.	1 SGLE DOOR 116.1	HALLWAY 126 TO BOARDROOM 116	RH
	1/965x2135x45	SCWD/PS	
	TYPE FG/PS : TYP		

	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(PASSAGE)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA OVERHEAD	(H/O)	
	1 EA AUTO DOOR BOTTOM		
	1 SET SOUND SEALS		
	3 EA DOOR SILENCER		
ITEM #20.	1 SGLE DOOR 117.1	BOARDROOM 116 TO STORAGE 117	LH
	1/965x2135x45	SCWD/PS	
	TYPE F/PS : TYP		
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(STOREROOM)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA WALL STOP		
	3 EA DOOR SILENCER		
ITEM #21.	1 SGLE DOOR 118.1	HALLWAY 126 TO STORAGE 118	LH
	1/965x2135x45	SCWD/PS	
	TYPE F/PS : TYP		
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(STOREROOM)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA WALL STOP		
	3 EA DOOR SILENCER		
ITEM #22.	1 SGLE DOOR 119.1	HALLWAY 126 TO JANITOR 119	LH
	1/915x2135x45	SCWD/PS	
	TYPE F/PS : TYP	0HR FIRE SEPARATION	
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(STOREROOM)	
	1 EA DOOR CLOSER	(PULL SIDE)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA WALL STOP		
	1 LEN SMOKE SEALS		
	3 EA DOOR SILENCER		
ITEM #23.	1 SGLE DOOR 120.1	HALLWAY 126 TO WC 120	LH
	1/915x2135x45	SCWD/PS	
	TYPE F/PS : TYP		
	3 EA HINGES	(NRP)	

- 1 EA LOCKSET (PRIVACY w/ INDICATOR)
- 1 EA PROTECTION PLATE (KICK)
- 1 EA PROTECTION PLATE (MOP)
- 1 EA WALL STOP
- 3 EA DOOR SILENCER

ITEM #24. 1 SGLE DOOR 121.1 HALLWAY 126 TO UNIVERSAL W.R/SHOWER 121 RH
1/965x2135x45 SCWD/PS
TYPE F/PS : TYP

- 3 EA HINGE
- 1 EA LOCKSET (STOREROOM FUCTION)
- 1 EA ELECT. STRIKE (FAIL SAFE)
- 1 EA AUT. OPERATOR
- 1 EA UNIVERSAL RESTROOM CONTROL KIT
- 1 EA TRANSFORMER CX-TRX-4024
- 1 EA TRANSFORMER/RECIFIER CX-TRK-2450
- 1 EA KICK PLATE
- 1 EA WALL STOP
- 3 EA DOOR SILENCER
- 1 EA INSTALLATION EMERGENCY CALL KIT / AUTO OPERATOR /
WASHROOM PACKAGE

- * HARDWARE SUPPLIER TO SUPPLY AND INSTALL AUTO OPERATOR, WASHROOM RELAY PACKAGE AND EMERGENCY CALL KIT.
- * INSTALLER OF AUTO OPERATOR, WASHROOM RELAY PACKAGE AND EMERGENCY CALL KIT TO PROVIDE PORTAL DRAWINGS.
- * POWER, CONDUIT AND ANY REQUIRED BACK BOXES FOR EMERGENCY CALL KIT AND OPERATOR IS BY ELECTRICAL CONTRACTOR.
- * INSTALLER OF COMPONENTS IS RESPONSIBLE FOR ALL COORDINATION WITH GENERAL CONTRACTOR AND ELECTRICAL CONTRACTOR.

**** MODE OF OPERATION**

- ELECTRIC STRIKE "OPEN" AT ALL TIMES.
- ENTRANCE TO WASHROOM IS BY MANUALLY PUSHING DOOR OPEN OR BY PUSHING OUTSIDE ACTUATOR WHICH WILL BEGIN OPERATOR CYCLE.
- PUSHING 'PUSH TO LOCK' SWITCH INSIDE WASHROOM LOCKS ELECTRIC STRIKE, DEACTIVATES OUTSIDE ACTUATOR AND LIGHTS BOTH ILLUMINATED ENCLOSURE (ONE INSIDE, ONE OUTSIDE) INDICATING WASHROOM IS IN USE.
- EXIT FROM WASHROOM IS BY MANUALLY TURNING LEVER AND PULLING DOOR OPEN OR PUSHING ACTUATOR INSIDE WASHROOM WHICH WILL "OPEN" ELECTRIC STRIKE AND BEGIN OPERATOR CYCLE.
- DOOR CONTACT RESETS SYSTEM FOR NEXT USER.
- EMERGENCY PUSH BUTTON INSIDE WASHROOM ACTIVATES BOTH ANNUNCIATORS, AND UNLOCKS ELECTRIC STRIKE FOR EMERGENCY ACCESS.

* OPERATOR INSTALLER IS RESPONSIBLE TO ACHIEVE MODE OF OPERATION.

ITEM #25.	1 SGLE DOOR 122.1 1/965x2135x45 TYPE F/PS : TYP	HALLWAY 126 TO MECH. SERVICES 122 SCWD/PS 1HR FIRE SEPARATION	LH
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(STOREROOM)	
	1 EA DOOR CLOSER	(PULL SIDE)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA WALL STOP		
	1 LEN SMOKE SEAL		
	3 EA DOOR SILENCER		
ITEM #26.	1 SGLE DOOR 123.1 1/915x2135x45 TYPE F/PS : TYP	HALLWAY 126 TO WC 123 SCWD/PS	RH
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(PRIVACY w/ INDICATOR)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA WALL STOP		
	3 EA DOOR SILENCER		
ITEM #27.	1 SGLE DOOR 124.1 1/915x2135x45 TYPE F/PS : TYP	HALLWAY 126 TO IT 124 SCWD/PS	RH
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(STOREROOM)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA WALL STOP		
	3 EA DOOR SILENCER		
ITEM #28.	1 SGLE DOOR 125.1 1/915x2135x45 TYPE QL/PS : TYP	KITCHEN 125 TO LUNCHROOM 115 SCWD/PS	LHR
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(PASSAGE)	
	1 EA PROTECTION PLATE	(KICK)	

	1 EA PROTECTION PLATE	(MOP)	
	1 EA WALL STOP		
	3 EA DOOR SILENCER		
ITEM #29.	1 SGLE DOOR 126.1	STORAGE GARAGE 127 TO HALLWAY 126	LHR
ITEM #30.	1 SGLE DOOR 126.2	STORAGE GARAGE 127 TO HALLWAY 126	RHR
	1/965x2135x45	HM/PS	
	TYPE QL/PS : TYP	2HR FIRE SEPARATION	
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(STOREROOM)	
	1 EA ELECTRIC STRIKE	(RECESSED)	
	1 EA DOOR CLOSER	(PULL SIDE)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA WALL STOP		
	1 LEN SMOKE SEAL		
	3 EA DOOR SILENCER		
	1 EA CARD READER		
ITEM #31.	1 OH DOOR 127.1	EXTERIOR TO STORAGE GARAGE 127	
ITEM #32.	1 OH DOOR 127.2	EXTERIOR TO STORAGE GARAGE 127	
ITEM #33.	1 OH DOOR 127.3	EXTERIOR TO STORAGE GARAGE 127	
ITEM #34.	1 OH DOOR 127.4	EXTERIOR TO STORAGE GARAGE 127	
ITEM #35.	1 OH DOOR 127.5	EXTERIOR TO STORAGE GARAGE 127	
ITEM #36.	1 OH DOOR 127.6	EXTERIOR TO STORAGE GARAGE 127	
ITEM #37.	1 OH DOOR 127.7	EXTERIOR TO STORAGE GARAGE 127	
ITEM #38.	1 OH DOOR 127.8	EXTERIOR TO STORAGE GARAGE 127	
ITEM #39.	1 OH DOOR 127.9	EXTERIOR TO STORAGE GARAGE 127	
ITEM #40.	1 OH DOOR 127.10	EXTERIOR TO STORAGE GARAGE 127	
	5486x4877x50		
REFER TO SPECIFICATION 08 36 13.16			
	1 EA DOOR CONTACT		
ITEM #41.	1 SGLE DOOR 128.1	EXTERIOR TO HALLWAY 128	LHR
	1/965x2135x45	INS.HM/TB.PS	
	TYPE QL/PS : TYP		
	3 EA HINGES	(NRP)	
	1 EA RIM EXIT DEVICE	(NIGHT LATCH)	
	1 EA ELECTRIC STRIKE	(SURFACE)	

1 EA DOOR CLOSER (PUSH SIDE)
1 EA PROTECTION PLATE (KICK)
1 EA OVERHEAD STOP
1 LEN WEATHERSTRIPPING
1 EA DOOR SWEEP
3 EA DOOR SILENCER
1 EA CARD READER
1 EA DOOR CONTACT

ITEM #42. 1 SGLE DOOR 128.2 HALLWAY 128 TO WASHBAY 142 RHR
1/965x2135x45 HM/PS
TYPE QL/PS : TYP

3 EA HINGES (NRP)
1 EA LOCKSET (PASSAGE)
1 EA DOOR CLOSER (PULL SIDE)
1 EA PROTECTION PLATE (KICK)
1 EA PROTECTION PLATE (MOP)
1 EA WALL STOP
3 EA DOOR SILENCER

ITEM #43. 1 SGLE DOOR 129.1 FEMALE CHANGE RM 130 TO WC/SHOWER 128 RH
1/865x2135x45 HM/PS
TYPE F/PS : TYP

3 EA HINGES (NRP)
1 EA LOCKSET (PRIVACY w/ INDICATOR)
1 EA PROTECTION PLATE (KICK)
1 EA PROTECTION PLATE (MOP)
1 EA OVERHEAD STOP
3 EA DOOR SILENCER

ITEM #44. 1 SGLE DOOR 130.1 HALLWAY 131 TO FEMALE CHANGE RM 130 LH
1/915x2135x45 HM/PS
TYPE F/PS : TYP

3 EA HINGES (NRP)
1 EA DEADBOLT (DOUBLE CYLINDER)
1 EA DOOR CLOSER (PULL SIDE)
1 EA PUSH PLATE
1 EA D-PULL
1 EA PROTECTION PLATE (KICK)
1 EA PROTECTION PLATE (MOP)
1 EA OVERHEAD STOP
3 EA DOOR SILENCER

ITEM #45.	1 SGLE DOOR 131.1 1/915x2135x45 TYPE QL/PS : TYP	SERVICE GARAGE 127 TO HALLWAY 131 HM/PS	RH
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(PASSAGE)	
	1 EA DOOR CLOSER	(PULL SIDE)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA OVERHEAD STOP		
	3 EA DOOR SILENCER		
ITEM #46.	1 SGLE DOOR 133.1	MALE CHANGE RM 135 TO WC/SHOWER 133	LH
ITEM #47.	1 SGLE DOOR 134.1 1/865x2135x45 TYPE F/PS : TYP	MALE CHANGE RM 135 TO WC/SHOWER 134 HM/PS	LH
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(PRIVACY w/ INDICATOR)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA OVERHEAD STOP		
	3 EA DOOR SILENCER		
ITEM #48.	1 SGLE DOOR 135.1 1/915x2135x45 TYPE F/PS : TYP	HALLWAY 131 TO MALE CHANGE RM 135 HM/PS	RH
	3 EA HINGES	(NRP)	
	1 EA DEADBOLT	(DOUBLE CYLINDER)	
	1 EA DOOR CLOSER	(PULL SIDE)	
	1 EA PUSH PLATE		
	1 EA D-PULL		
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA OVERHEAD STOP		
	3 EA DOOR SILENCER		

ITEM #49.	1 SGLE DOOR 136.1 1/915x2135x45 TYPE QL/PS : TYP	SERVICE GARAGE 127 TO LUNCHROOM 136 HM/PS	RH
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(PASSAGE)	
	1 EA DOOR CLOSER	(PULL SIDE)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA OVERHEAD STOP		
	1 SET SOUNDSEAL		
	3 EA DOOR SILENCER		
ITEM #50.	1 SGLE DOOR 138.1 1/865x2135x45 TYPE F/PS : TYP	HALLWAY 140 TO WC 138 HM/PS	RH
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(PRIVACY w/ INDICATOR)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA WALL STOP		
	3 EA DOOR SILENCER		
ITEM #51.	1 SGLE DOOR 139.1 1/915x2135x45 TYPE HG/PS : TYP	REPAIR AREA 143 TO MECHANIC OFFICE 139 HM/PS	LH
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(OFFICE)	
	1 EA DOOR CLOSER	(PULL SIDE)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA OVERHEAD STOP		
	1 SET SOUNDSEAL		
	3 EA DOOR SILENCER		
ITEM #52.	1 SGLE DOOR 140.1 1/965x2135x45 TYPE QL/PS : TYP	HALLWAY 140 TO REPAIR AREA 143 HM/PS 2HR FIRE SEPARATION	LHR
	3 EA HINGES	(NRP)	

1 EA LOCKSET (PASSAGE)
1 EA DOOR CLOSER (PULL SIDE)
1 EA PROTECTION PLATE (KICK)
1 EA PROTECTION PLATE (MOP)
1 EA OVERHEAD STOP
1 SET SOUNDSEAL
3 EA DOOR SILENCER

ITEM #53. 1 SGLE DOOR 141.1 EXTERIOR TO MECH. SERVICE 141 RHR
1/965x2135x45 INS.HM/TB.PS
TYPE F/PS : TYP

3 EA HINGES (NRP)
1 EA LOCKSET (STOREROOM)
1 EA DOOR CLOSER (PUSH SIDE)
1 EA PROTECTION PLATE (KICK)
1 EA OVERHEAD STOP
1 LEN WEATHERSTRIPPING
1 EA DOOR SWEEP
3 EA DOOR SILENCER
1 EA DOOR CONTACT

ITEM #54. 1 SGLE DOOR 141.2 SERVICE GARAGE 127 TO REPAIR AREA 143 RHR
1/965x2135x45 HM/PS
TYPE F/PS : TYP 1HR FIRE SEPARATION

3 EA HINGES (NRP)
1 EA LOCKSET (STOREROOM)
1 EA DOOR CLOSER (PUSH SIDE)
1 EA PROTECTION PLATE (KICK)
1 EA PROTECTION PLATE (MOP)
1 EA OVERHEAD STOP
1 LEN SMOKE SEALS
3 EA DOOR SILENCER

ITEM #55. 1 SGLE DOOR 142.1 EXTERIOR TO WASHBAY 142 RHR
1/965x2135x45 INS.HM/TB.PS
TYPE QL/PS : TYP

3 EA HINGES (NRP)
1 EA RIM EXIT DEVICE (NIGHT LATCH)
1 EA ELECTRIC STRIKE (SURFACE)
1 EA DOOR CLOSER (PUSH SIDE)
1 EA PROTECTION PLATE (KICK)
1 EA OVERHEAD STOP
1 LEN WEATHERSTRIPPING

- 1 EA DOOR SWEEP
- 3 EA DOOR SILENCER
- 1 EA CARD READER
- 1 EA DOOR CONTACT

ITEM #56. 1 OH DOOR 142.2 EXTERIOR TO WASHBAY 142
5486x4877x50

REFER TO SPECIFICATION 08 36 13.16

- 1 EA DOOR CONTACT

ITEM #57. 1 SGLE DOOR 143.1 EXTERIOR TO REPAIR AREA 143 LHR
1/965x2135x45 INS.HM/TB.PS
TYPE QL/PS : TYP

- 3 EA HINGES (NRP)
- 1 EA RIM EXIT DEVICE (NIGHT LATCH)
- 1 EA ELECTRIC STRIKE (SURFACE)
- 1 EA DOOR CLOSER (PUSH SIDE)
- 1 EA PROTECTION PLATE (KICK)
- 1 EA OVERHEAD STOP
- 1 LEN WEATHERSTRIPPING
- 1 EA DOOR SWEEP
- 3 EA DOOR SILENCER
- 1 EA CARD READER
- 1 EA DOOR CONTACT

ITEM #58. 1 OH DOOR 143.2 EXTERIOR TO REPAIR AREA 143
5486x4877x50

REFER TO SPECIFICATION 08 36 13.16

- 1 EA DOOR CONTACT

ITEM #59. 1 SGLE DOOR 202.1 CATWALK 201 TO STORAGE 202 LH
1/965x2135x45 HM/PS
TYPE F/PS : TYP

- 3 EA HINGES (NRP)
- 1 EA LOCKSET (PASSAGE)
- 1 EA DOOR CLOSER (PULL SIDE)
- 1 EA PROTECTION PLATE (KICK)
- 1 EA PROTECTION PLATE (MOP)
- 1 EA WALL STOP
- 3 EA DOOR SILENCER

ITEM #60.	1 SGLE DOOR 203.1 1/965x2135x45 TYPE F/PS : TYP	CATWALK 201 TO MECH RM 203 HM/PS 1HR FIRE SEPARATION	RH
	3 EA HINGES	(NRP)	
	1 EA LOCKSET	(STOREROOM)	
	1 EA DOOR CLOSER	(PULL SIDE)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	
	1 EA OVERHEAD STOP		
	1 SET SOUNDSEAL		
	3 EA DOOR SILENCER		
ITEM #61.	1 SGLE DOOR 300.1 1/965x2135x45 TYPE QL/PS : TYP	EXTERIOR TO COLD STORAGE 300 INS.HM/TB.PS	LHR
	3 EA HINGES	(NRP)	
	1 EA RIM EXIT DEVICE	(NIGHT LATCH)	
	1 EA DOOR CLOSER	(PUSH SIDE)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA OVERHEAD STOP		
	1 LEN WEATHERSTRIPPING		
	1 EA DOOR SWEEP		
	3 EA DOOR SILENCER		
	1 EA DOOR CONTACT		
ITEM #62.	1 OH DOOR 300.2	EXTERIOR TO COLD STORAGE 300	
ITEM #63.	1 OH DOOR 300.3	EXTERIOR TO COLD STORAGE 300	
ITEM #64.	1 OH DOOR 300.4	EXTERIOR TO COLD STORAGE 300	
ITEM #65.	1 OH DOOR 300.5 4267x4267x50	EXTERIOR TO COLD STORAGE 300	
REFER TO SPECIFICATION 08 36 13.16			
	1 EA DOOR CONTACT		
ITEM #66.	1 SGLE DOOR 300.6 1/965x2135x45 TYPE QL/PS : TYP	HAZ. STORAGE 301 TO COLD STORAGE 300 HM/TB.PS 1HR FIRE SEPARATION	LHR
	3 EA HINGES	(NRP)	
	1 EA RIM EXIT DEVICE	(NIGHT LATCH)	
	1 EA DOOR CLOSER	(PUSH SIDE)	
	1 EA PROTECTION PLATE	(KICK)	
	1 EA PROTECTION PLATE	(MOP)	

- 1 EA OVERHEAD STOP
- 1 LEN SMOKE SEAL
- 3 EA DOOR SILENCER

ITEM #67. 1 SGLE DOOR 301.1 EXTERIOR TO HAZARD. STORAGE 301 RHR
1/965x2135x45 INS.HM/TB.PS
TYPE QL/PS : TYP

- 3 EA HINGES (NRP)
- 1 EA RIM EXIT DEVICE (NIGHT LATCH)
- 1 EA ELECTRIC STRIKE (SURFACE)
- 1 EA DOOR CLOSER (PUSH SIDE)
- 1 EA PROTECTION PLATE (KICK)
- 1 EA OVERHEAD STOP
- 1 LEN WEATHERSTRIPPING
- 1 EA DOOR SWEEP
- 3 EA DOOR SILENCER
- 1 EA CARD READER
- 1 EA DOOR CONTACT

ITEM #68. 1 OH DOOR 301.2 EXTERIOR TO HAZARDOUS STORAGE 301
4267x4267x50

REFER TO SPECIFICATION 08 36 13.16

- 1 EA DOOR CONTACT

END OF SECTION

PART 1 GENERAL

1.1 MEASUREMENT AND PAYMENT

- .1 Measure supply and erection of chain link fence in metres erected including gates.
- .2 Measure supply and erection of chain link fence gates as units of each size erected.

1.2 REFERENCE STANDARDS

- .1 .ASTM International
 - .1 [ASTM A 53/A 53M-10](#), Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless.
 - .2 [ASTM A 90/A 90M-09](#), Standard Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings.
 - .3 [ASTM A 121-07](#), Standard Specification for Zinc-Coated (Galvanized) Steel Barbed Wire.
 - .4 [A653/A653M-10](#), Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
 - .5 [ASTM C 618-08a](#), Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Concrete.
 - .6 [ASTM F 1664-08](#), Standard Specification for Poly(Vinyl Chloride) (PVC)-Coated Steel Tension Wire Used with Chain-Link Fence.
 - .7 [ASTM A 123/A 123M-09](#), Standard Specification for Zinc (Hot Dip Galvanized) coatings on Iron and Steel Products.
- .2 Canadian General Standards Board (CGSB)
 - .1 [CAN/CGSB-138.1-96](#), Fabric for Chain Link Fence.
 - .2 [CAN/CGSB-138.2-96](#), Steel Framework for Chain Link Fence.
 - .3 [CAN/CGSB-138.3-96](#), Installation of Chain Link Fence.
 - .4 [CAN/CGSB-138.4-96](#), Gates for Chain Link Fence.
 - .5 [CAN/CGSB-1.181-99](#), Ready-Mixed Organic Zinc-Rich Coating.
- .3 CSA Group (CSA)
 - .1 [CSA A23.1/A23.2-09](#), Concrete Materials and Methods of Concrete Construction/Test Methods and Standard Practices for Concrete.
 - .2 [CAN/CSA-A3000-08](#), Cementitious Materials Compendium.
- .4 Master Painters Institute (MPI)
 - .1 Architectural Painting Specification Manual - current edition.
- .5 United States Environmental Protection Agency (EPA) / Office of Water
 - .1 EPA 832/R-92-005, Storm Water Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for concrete mixes, fences, posts and gates and include product characteristics, performance criteria, physical size, finish and limitations.

- .3 Sustainable Design Submittals:
 - .1 Erosion and Sedimentation Control: submit copy of erosion and sedimentation control plan in accordance with EPA 832/R-92-2005, authorities having jurisdiction.
 - .2 Construction Waste Management:
 - .1 Submit project Waste Management Plan highlighting recycling and salvage requirements.
 - .2 Submit calculations on end-of-project recycling rates, salvage rates, and landfill rates demonstrating that 75% of construction wastes were recycled or salvaged.
 - .3 Recycled Content:
 - .1 Submit listing of recycled content products used, including details of required percentages or recycled content materials and products, showing their costs and percentages of post-consumer and post-industrial content, and total cost of materials for project.
 - .4 Regional Materials: submit evidence that project incorporates required percentage 10% of regional materials and products, showing their cost, distance from project to furthest site of extraction or manufacture, and total cost of materials for project.

1.4 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials in accordance with manufacturer's recommendations.
 - .2 Store and protect [fence and gate materials] from [damage].
 - .3 Replace defective or damaged materials with new.
- .4 Develop Construction Waste Management Plan related to Work of this Section.
- .5 Packaging Waste Management: remove for reuse and return by manufacturer of pallets, crates, padding, and packaging materials as specified in Construction Waste Management Plan in accordance with Section 01 74 19 - Waste Management and Disposal.

1.5 WARRANTY:

- .1 The cantilever slide gate and operator system shall be warranted by the manufacturer against manufacturing defects for a period of (3) three years from date of sale.

PART 2 PRODUCTS

2.1 MATERIALS

- .1 Concrete mixes and materials: in accordance with [CSA A23.1](#).
 - .1 Nominal coarse aggregate size: 20-5.
 - .2 Compressive strength: 20 MPa minimum at 28 days.
 - .3 Additives: fly ash to [CSA A3000](#).
- .2 Chain-link fence fabric: to [CAN/CGSB-138.1](#).
 - .1 Type 1, Class A, heavy style, Grade [1][2][3].
 - .2 Height of fabric: 2440mm or as indicated.

- .3 Posts, braces and rails: to [CAN/CGSB-138.2](#), galvanized steel pipe. Dimensions as indicated.
- .4 Top and bottom tension wire: to [CAN/CGSB-138.2](#), single strand, galvanized steel wire.
- .5 Tie wire fasteners: steel wire.
- .6 Tension bar: to [ASTM A 653/A 653M](#), 5 x 20 mm minimum galvanized steel.
- .7 Gates: to [CAN/CGSB-138.4](#).
- .8 Gate frames: to [ASTM A 53/A 53M](#), galvanized steel pipe, standard weight [45] mm outside diameter pipe for outside frame, 35 mm outside diameter pipe for interior bracing.
 - .1 Fabricate gates as indicated with electrically welded joints, and hot-dip galvanized after welding.
 - .2 Fasten fence fabric to gate with twisted selvage at top.
 - .3 Furnish gates with galvanized malleable iron hinges, latch and latch catch with provision for padlock which can be attached and operated from either side of installed gate.
 - .4 Furnish double gates with chain hook to hold gates open and centre rest with drop bolt for closed position.
- .9 Fittings and hardware: to [CAN/CGSB-138.2](#), galvanized steel.
 - .1 Tension bar bands: 3 x 20 mm minimum galvanized steel or 5 x 20 mm minimum aluminum.
 - .2 Post caps to provide waterproof fit, to fasten securely over posts and to carry top rail.
 - .3 Overhang tops to provide waterproof fit, to hold top rails and an [outward][inward] projection to hold barbed wire overhang.
 - .4 Include projection with clips or recesses to hold 3 strands of barbed wire spaced 100 mm apart.
 - .5 Projection of approximately 300 mm long to project from fence at 45 degrees above horizontal.
 - .6 Turnbuckles to be drop forged.
- .10 Organic zinc rich coating: to [CAN/CGSB-1.181](#).
- .11 Barbed wire: to [ASTM A 121](#), 2 mm diameter galvanized steel wire or aluminum coated steel wire 4 point barbs 125 mm spacing.
- .12 Barbed wire: to [CAN/CGSB-138.2](#), 2.5 mm diameter.
- .13 Grounding rod: 16 mm diameter copper well rod, 3 m long.

2.2 VEHICLE ACCESS GATE

- .1 This section is based on 'Ontario Parking Systems.' Model: AutoGate Chain Link 300
- .2 The following manufactures are acceptable alternatives:
 - .1 Tilt-A-Way
 - .2 American Door
- .3 Gate Construction
 - .1 Materials:
 - .1 Aluminum Assembly Framing:
 - .1 Plate, Shapes and Bar: ASTM B221, alloy 6061-T6 or 6063-T6.
 - .2 Extrusions: Alloy and temper 6063-T6 except formed elbows shall be 6063-T4:
 - .3 Round Aluminum Pipe: Standard weight extruded structural aluminum pipe, alloy 6063-T6, mill finish, complying with ASTM B429.

- .4 Provide lock washer or other locking device at all bolted connections.
- .2 Steel Assembly Framing:
 - .1 High strength steel pipe triple coated in accordance with ASTM F1043 Group IC; SS40 as manufactured by Allied Tube & Conduit.
 - .1 External coatings per ASTM F1043 Type B; internal coatings per ASTM F1043 Type D.
 - .2 Post welding treatments: All welded joints to be coated ZRC or equivalent zinc rich coating.
 - .2 Steel Tubes: ASTM A500 Cold-Formed Welded Pipe and Structural Tubing Hot-Dipped, Zinc-Coated.
 - .3 Steel Shapes plates and bars: ASTM A36.
- .3 Threaded Fasteners:
 - .1 All exterior screws, bolts, nut and washers shall be 300 Series non-magnetic Stainless steel.
 - .2 Provide lock washers or other locking devices such as deformed thread lock or nylon locking nuts at all bolted connections.
- .4 Foundation:
 - .1 Size and construction of pedestal foundation to support the vehicle access gate and control box is to be determined by the supplier of the equipment. As part of the shop drawing submission include detailed engineered drawings stamped by a P.Eng identifying the required concrete, reinforcing and fastening details for review by the consultant.
- .2 Fabrication:
 - .1 Fabricate frames of gates from aluminum tubing. Assemble gate frames by welding at corners. Infill gate frames with panels to match adjacent fence panels or project specifications.
 - .2 Configuration: Size and space members in compliance with applicable codes and project specifications. All gate framing members shall be unspliced single pipe or tube length.
 - .3 Bracing:
 - .1 Provide diagonal welded pipe gate trusses to prevent sag.
 - .2 Cable Wind Bracing: Required for gates between 4880 or more in length and up to 6100 in length. Provide 4.7mm aircraft coated cable anchored to the operator and at approximately 2/3 the length of the gate.
 - .3 Masted Wind Bracing: Required for gates over 6100 or more in length or more than 2135 in height, and/or code requirement beyond 75 mph winds.
 - .4 Provide continuous tube elements which attach to the operator and extend a minimum of 2/3 the length of the gate. Wind bracing is also secured to the bottom of the gate with strut plates.
 - .5 Fully assemble gate leaves in the manufacturer's shop with no joints splices or bolted sections. Open tube ends or sections are not acceptable.
- .3 Welding: Make exposed joints butt tight, flush, and hairline. Continuously seal joined members by continuous welds.
- .4 Fabricated frame and infill fabrics: Epoxy coating, PVC Coating, or unpainted mill finish fabrics to match fence line or project specifications color.
- .5 Barbed wire assemblies: Extend gate post and vertical frame members 12 inches above top of chain-link fabric.
- .6 Provide components required for receiving yoke anchorage of gate ends. Fabricate anchors and related components of material and finish matching gate frame or specified color.
- .4 Gate Operators
 - .1 Provide gate operator system, including gate operator, field supplied manufacturer recommended batteries, external entrapment B1 type Non-Contact sensing devices and external entrapment B2 type Contact Sensing devices.
 - .1 Gate Speed: Fully open to fully closed and fully closed to open not less than 10-12 seconds.

- .2 Frequency of Use: Continuous duty.
- .3 Battery Powered Back Up DC Drive System: Operator to run on 24 Volt DC current integral power supply with stand-by battery system with built-in battery maintainer and "over-charge" protection.
 - .1 Field supplied: Provide two (2) 12v batteries, complying with gate operator manufacturer's requirements (Group 24, 12 Volt, Sealed Marine Starting).
 - .2 Power supply to operator: 120VAC (20 Amp).
- .4 Gate Operator Enclosure: Fabricate operator enclosure from steel tubing and sheet metal. Continuous seal welds all frames seams with welds ground smooth. Screwed frames are not acceptable.
 - .1 Frame: 51mm Sq., 11 Ga. (.120) steel Tubing
 - .2 Skins: 18 Ga. Galvanneal Sheet
 - .3 Doors: 14 Ga. Galvanneal Sheet
 - .4 Mounting Pads: 76mm wide x 9.5mm thick 304 Stainless Steel.
 - .5 Finish: Standard Operator skins are powder coated Black.
- .5 Mechanical Gate Operator Drive:
 - .1 24 VDC high torque gear motor and DBL reduction DBL "V" belt design.
 - .2 Integral right-angle Anti-Back drive and locking preventing falling and unauthorized motor operation.
 - .3 Hydraulic components of any kind are not acceptable.
- .6 Control Circuitry: Solid state coated Control Board in electrical enclosure. Sealed gate position sensor ensures weather and moisture-proof integrity. (Boards tested to -40° F).
 - .1 Internal Operator Factory Wiring: 16 & 18 Ga. single conductor. Copper w/electrolytic copper compression terminals tin-plated for maximum corrosion prevention.
 - .2 Accessories. Consult accessory manufacturer for installation and specific wiring instructions.
- .2 Gate Operator System shall be Listed to UL 325 Class III and the gate panel shall be fabricated in accordance with ASTM F2200.
 - .1 Type A Entrapment Sensing Device - Operator shall have inherent gate position and speed sensing system as part of the gate operator system. Type A shall be constructed such that it may not be removed or bypassed.
 - .2 Operator shall have provision for connection of Control System and for connection of External Entrapment Sensing Devices specified herein after.
- .3 External Entrapment Sensing Device: Provide the following external entrapment protection devices as appropriate for the specific site conditions to address all potential entrapment zones. All entrapment areas/zones must be identified by the installer and have physical restrictions of pedestrian access such as fence sections or barrier screening preventing reach through or standing in the entrapment zone or the installer shall supply additional external entrapment protection devices to protect pedestrians in all entrapment areas.
 - .1 Photo Beams Type B1 - Non-contact sensor;
 - .2 Safety Edges (Contact Edges) Type B2 - Contact sensor (edge device or the equivalent)
- .4 Operator Options:
 - .1 Provide surge and spike protection, Shall be Field Supplied per governing code compliance, owner acceptance, or as outlined in project specifications.
 - .2 Provide Audible/Audible-Visual Warning Device(s) activated when gate is in motion.
 - .3 Provide External Emergency Stop Button Mounted near the operator. Recommended to be a minimum 6' away from any portion of the moving gate or operator in any position so as to discourage reaching through the gate and to avoid all possible entrapment circumstances.
- .5 Control Systems
 - .1 Operation control system: Remote-control stations, safety devices, and weatherproof enclosures; coordinate electrical requirements with building electrical system.
 - .1 Control Station (located remotely from gate and operator. Constant pressure control

station to be located in direct line of site to the gate and operator, Two Position (Open/close). Provide key switch to lock out open and close buttons.

- .6 Accessories:
 - .1 Solenoid Lock System: Electromagnetic solenoid system latches preventing internal components from allowing the gate to be opened from its secure closed position. Automatically engages/disengages when an authorized command is sent to the gate operator or if the system is manually bypassed after gaining secure entry into the operator.
 - .2 Extreme Cold/Artic Operator Heat system: Provide an insulated Operator Cabinet and include a thermostatically controlled electric infrared heater.

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Verification of Conditions: verify conditions of substrate previously installed under other Sections or Contracts are acceptable for fence and gate installation in accordance with manufacturer's written instructions.
 - .1 Visually inspect substrate in presence of Departmental Representative.
 - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.

3.2 PREPARATION

- .1 Temporary Erosion and Sedimentation Control:
 - .1 Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to sediment and erosion control plan, specific to site, that complies with EPA 832/R-92-005 or requirements of authorities having jurisdiction, whichever is more stringent.
 - .2 Inspect, repair, and maintain erosion and sedimentation control measures during construction until permanent vegetation has been established.
 - .3 Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.
- .2 Grading:
 - .1 Remove debris and correct ground undulations along fence line to obtain smooth uniform gradient between posts.
 - .1 Provide clearance between bottom of fence and ground surface of 30 mm to 50 mm.

3.3 ERECTION OF FENCE

- .1 Erect fence along lines as indicated and to [CAN/CGSB-138.3](#).
- .2 Excavate post holes to 1525mm depth.
- .3 Space line posts 3 m apart, measured parallel to ground surface.
- .4 Space straining posts at equal intervals not to exceed 150 m if distance between end or corner posts on straight continuous lengths of fence over reasonably smooth grade, is greater than 150 m.
- .5 Install additional straining posts at sharp changes in grade and where directed by Departmental Representative.

- .6 Install corner post where change in alignment exceeds 10 degrees.
- .7 Install end posts at end of fence and at buildings.
 - .1 Install gate posts on both sides of gate openings.
- .8 Place concrete in post holes then embed posts into concrete to depths indicated.
 - .1 Extend concrete 50 mm above ground level and slope to drain away from posts.
 - .2 Brace to hold posts in plumb position and true to alignment and elevation until concrete has set.
- .9 Install fence fabric after concrete has cured, minimum of 5 days. Height of fabric to be 2440mm above finished grade surface
- .10 Install brace between end and gate posts and nearest line post, placed in centre of panel and parallel to ground surface.
 - .1 Install braces on both sides of corner and straining posts in similar manner.
- .11 Install overhang tops and caps.
- .12 Install top rail between posts and fasten securely to posts and secure waterproof caps and overhang tops.
- .13 Install bottom tension wire, stretch tightly and fasten securely to end, corner, gate and straining posts with turnbuckles and tension bar bands.
- .14 Lay out fence fabric. Stretch tightly to tension recommended by manufacturer and fasten to end, corner, gate and straining posts with tension bar secured to post with tension bar bands spaced at 300 mm intervals.
 - .1 Knuckled selvedge at bottom.
 - .2 Twisted selvedge at top.
- .15 Secure fabric to top rails, line posts and bottom tension wire with tie wires at [450] mm intervals.
 - .1 Give tie wires minimum two twists.
- .16 Install barbed wire strands and clip securely to lugs of each projection.
- .17 Install grounding rods as indicated.

3.4 INSTALLATION OF GATES

- .1 Install gates in locations as indicated.
- .2 Level ground between gate posts and set gate bottom approximately 40 mm above ground surface.
- .3 Determine position of centre gate rest for double gate.
 - .1 Cast gate rest in concrete as directed.
 - .2 Dome concrete above ground level to shed water.
- .4 Install gate stops where indicated.

3.5 TOUCH UP

- .1 Clean damaged surfaces with wire brush removing loose and cracked coatings. Apply two coats of organic zinc-rich paint to damaged areas in accordance with Section 09 91 00 - Painting.
 - .1 Pre-treat damaged surfaces according to manufacturers' instructions for zinc-rich paint.

3.6 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 00 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 00 - Cleaning.
- .3 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 19 - Waste Management and Disposal.
 - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.

END OF SECTION