

SPECIFICATIONS

NO. OF PAGES

Division 01 – GENERAL REQUIREMENTS

Section 01 00 00 General Requirements..... 13

APPENDIX I – Location Map for Delivery of Units 1

APPENDIX II – Schedules of Materials and Finishes 4

DRAWINGS – TYPE “A”

Drawing	Title
A -1	PLAN
A -2	ELEVATIONS
A -3	SECTION A-A
A -4	SECTION B-B
A -5	DETAILS
A -6	DOOR DETAILS
A -7	SCHEMATIC INSTALLATION DRAWING (For information only)

DRAWINGS – TYPE “B”

Drawing	Title
B -1	PLAN
B -2	ELEVATIONS
B -3	SECTION A-A
B -4	SECTION B-B
B -5	DETAILS
B -6	DOOR DETAILS
B -7	SCHEMATIC INSTALLATION DRAWING (For information only)

Part I – GENERAL REQUIREMENTS SECTION

1.0 DESCRIPTION OF WORK

- .1 **The work of this contract is described by drawings and specification sections as identified on Index to Specifications Section 00 00 10.**
- .2 This contract consists of:
 - .1 **Prefabrication:** supply material, equipment and labour for the prefabrication of 8 universally accessible, portable wood construction outhouses.
 - .2 **Supply:** supply 300mm diam. vent pipe and supporting hardware, one per outhouse
 - .3 **Delivery:** deliver prefabricated outhouses to 2 Quebec sites for storage. Refer to attached Appendix 'I' for location map.
 - .4 **Sample Quality Control Unit:** Supply and deliver one (1) sample outhouse to the NCC (Crawley location) for review of construction quality, workmanship, materials and detailing. Upon acceptance, the sample unit shall become the quality standard for the construction of the remaining outhouses. The sample outhouse unit shall count as one of the 8 units of this contract. Refer to section 30.0 – Part III - Fabrication
 - .5 **Barrier Free Design:** Work of this contract must conform to CSA B651-12 Accessible Design for the Built Environment. This includes, but is not limited to, installation height and location of hardware and accessories.
- .3 **Tender/Price Submission:**
 - .1 Submit a price for the pre-fabrication of 8 units in accordance to Contract Drawing Package for Outhouse Unit 'Type A', drawings A-1 to A-7 and 'Schedule of Materials – Type 'A'.
 - .2 Submit a price for the pre-fabrication of 8 units in accordance to Contract Drawing Package for Outhouse Unit 'Type B', drawings B-1 to B-7 and 'Schedule of Materials – Type 'B'.
 - .3 **Award of Contract:** will be for the construction of 8 prefabricated units for either Type 'A' or 'Type 'B', based on the lowest overall cost for one or the other.
- .4 **Schedule:** Work of this contract must begin within 5 days of award of contract and must be completed by March 26th, 2014.
- .5 **Project Supervisor:** Ensure that a competent project supervisor, capable of managing the fabrication of this Contract is available on a full-time basis during the duration of the work of this Contract off-site.

2.0 CASH ALLOWANCES and SEPARATE PRICES

- .1 The Contractor shall carry, as part of the lump sum price, the following cash allowance:
 - \$ 6,000.00 for unforeseen conditions
- .2 Cash Allowances amounts will be above and beyond the Base Price of the Contract Amount.
- .3 The Cash Allowances are to be expanded through an approved change order by the NCC Engineer.
- .4 **Profit and overhead charges will be applicable on amounts expanded from a cash allowance.** The Contract Price **shall not include** Contractor's overhead and profit in connection with such cash allowance.

3.0 CONTRACT PRICE BREAKDOWN

- .1 Within 5 working days of following award of this contract, the Contractor shall identify the contract price breakdown between sample prototype, prefabrication and delivery.
- .2 Identify Cash Allowances separately.

4.0 FEES & TAXES

- .1 Pay all fees & taxes properly levied by law Federal, Provincial, Municipal and other regulatory bodies.
Provincial taxes in the province of delivery (Quebec) shall be applicable to the prefabricated units.

5.0 DELIVERY of PREFABRICATED UNITS

- .1 The Contractor shall be responsible for the safe delivery of all units and sample outhouse unit to the various storage sites identified. Refer to Appendix A.
- .2 Ensure that their transportation satisfies Ministry of Transportation laws in each of the provinces of travel. Obtain required permission, approvals and/or permits.
- .3 The Contractor shall supply the equipment and labour for loading and unloading of the prefabricated units at the storage sites.
- .4 The sequencing of the delivery of the prefabricated units is at the Contractor's discretion. All prefabricated units shall be delivered to the storage sites by the end of March 26th, 2014.
- .5 **The Contractor is responsible to verify all dimensions pertinent to work of this contract, including width and height limitations for transportation of the units.**

6.0 EXTERIOR PRODUCT SPECIFICATION

- .1 **All products, materials and equipment** for work of this Contract shall satisfy the requirements and be of quality **for exterior use.**

7.0 SIGNAGE

- .1 No commercial advertising signs are permitted.
- .2 All safety related signage for this project shall be bilingual in French and English.
- .3 Contractor is to provide warning signage as required for the delivery of outhouse units to satisfy transportation regulations.

8.0 CANADIAN LABOUR and MATERIAL

- .1 The Contractor shall use Canadian labour and materials in the design and performance of the Work to the full extent to which they are procurable, consistent with proper economy and the expeditious carrying out of the Work.

9.0 DISCRETION

- .1 No part of this project may be discussed, published, or displayed without the written permission of the NCC.

10.0 HEALTH AND SAFETY

- .1 **At no time shall work of this contract jeopardise the safety of others at the fabrication site, during implementation and delivery of the units to NCC sites.**
- .2 Comply with all applicable health and safety legislation and regulations, including but not limited to:
 - National Building Code, Part 8 and 9
 - Canada Labour Code, Part 2, Canada Occupational Safety and Health Regulations
 - Occupational Health and Safety Act and Regulations in the province of work for Construction Projects

- Canadian Standards Association (CSA)
- Health Canada/Workplace Hazardous Materials Information System (WHMIS)
- Canada Labour Code, Canada Occupational Safety and Health Regulations
- Worker's Compensation Act of the Province of fabrication and delivery of the units
- Acts and regulations that may be applicable to the workplace and fabrication site for work of this contract

Maintain one copy of applicable health and safety standards at the fabrication site.

- .3 Responsibilities: Contractor is responsible for the safety of persons and property in the designated work area where work of this contract is carried out.
- .4 Protective Gear: Provide Protective gear and equipment required to carry out work activities of this contract in a safe and healthy manner.
- .5 Permits and Licences: Ensure adequate operating permits and licences are up to date for the operation of machinery, vehicles and equipment for work of this contract.
- .6 Safety Training: Ensure that all persons for implementation of the work of this contract have received adequate safety and training for performance of their activities and equipment used.
- .7 Unforeseen Hazards: When unforeseen or peculiar safety-related factor, hazard, or conditions occur during the performance of the work of this contract, follow procedures in place for the Employee's Right to Refuse Work in accordance with Acts and Regulations of the province having jurisdiction.
- .8 Scaffolding and Access Equipment: Provide access equipment necessary to perform the work of this contract. Access equipment shall be in compliance with and used in accordance with applicable provincial and federal regulations and standards, Occupational Health and Safety acts and regulations in the province of work.
- .9 First Aid Station: Contractor is to maintain a first aid station at the fabrication site which shall include but not be limited to first aid supplies, a portable eye wash station and a potable water dispenser with a 20l jug of potable water.

11.0 ENVIRONMENTAL REQUIREMENTS

- .1 Ensure that work of this contract does not constitute a threat to the natural environment.
- .2 Access to the site by the workforce and/or equipment and delivery/removals of materials and equipment shall be carried out so as to prevent disruption to the natural environment surrounding all.
- .3 MSDS Information:
 - Provide MSDS information of products and materials for review prior to approval for utilisation on this project.
 - Use the product/material with the least harmful impact for work of this project.
 - Implement protective measures recommended by manufacturer of products/materials accepted for utilisation.
- .4 Pollution from Fuels and Oils:
 - The Contractor shall protect natural environment from leakage of fuels, oils and other such substances detrimental to the environment, from faulty equipment, tools, machinery and vehicles utilised for work of this contract.
 - The Contractor shall be responsible for all costs associated for the cleaning and/or decontamination of any such spillage resulting from the work of this contract on the site.

.5 Sustainable Approach:

- In carrying work of this contract, the Contractor is to utilise approach, materials, products, fuel and equipment least detrimental to the environment and where possible, which can be re-used and recycled or are renewable.
- Existing materials, equipment and waste removed as part of this contract shall be sorted and disposed of or protected to enable re-utilisation and recycling in these priorities before being disposed as waste.

12.0 QUALITY ASSURANCE

.1 Standards and Conformance of Work: Comply with federal, provincial and local requirements relating to the work, provided that in any case of conflict among those requirements or with these Specifications the more stringent requirements shall apply. Work shall be performed under regulations in effect at the time work is performed. Codes, standards and regulations include but are not limited to the following:

- National Building Code 2010 (including Part 8, Construction Safety Measures and Part 9)
- Ministry of Labour Occupational Health and Safety Act requirements for construction projects in the province of the work.
- Ministry of Environment Regulations
- Municipal by-laws and regulations
- Exceed or meet the minimum requirements of applicable standards of the Canadian General Standards Board (CGSB), the Canadian Standards Association (CSA), the National Building Code of Canada 2010 and of all applicable federal, provincial and municipal codes. In the case of conflict or discrepancy between these requirements the most stringent applies.
- Exceed or meet the minimum requirements of applicable standards of CAN CSA Barrier Free Standards and Guidelines B651-12

.2 New Product Quality:

- Products, materials, equipment and articles incorporated in the work of this contract shall be new and of best quality for purpose intended unless it is specified to retain an existing component or re-utilise/re-install an existing component.
- Ensure that the proposed product is compatible with other specified products in a system or with existing components to be retained/re-installed as an integrated system. Contractor shall identify potential incompatibility to NCC Engineer and await instructions.

.3 Qualification, Experience and Quality Assurance of the Workforce

- The Contractor shall engage only sub-trades which are competent and experienced in the work that is to be performed by the said trade.
- The Contractor will have on file copies of all required certified training and/or licenses for specific trades as required by authorities and regulating bodies.
- The Contractor shall ensure that sufficient manpower and equipment from all trades involved in aspect of the work of this contract be employed to ensure the schedule of completion for this contract is satisfied.

.4 Shop Drawings and Product Data: The review of shop drawings by the NCC is for the sole purpose of ascertaining conformance and general concept. Shop drawings in electronic format for the following components is to be provided:

- Floor supporting structure and stability anchoring to enable lifting and transporting of the completed outhouse units in one piece
 - Door shop drawing indicating hardware mounting coordination
 - Product data of parts and materials: MSDS information, manufacturer's instructions, technical data, colour samples
 - Work affected by the submittals shall not proceed until acceptance is received.
- .5 Product Substitution: Should product substitution be required, it is the Contractor's responsibility to submit all detailed technical information of both the specified product and the proposed substitution product for review, evaluation and acceptance as an equivalent product. Unless otherwise noted, substitute products/materials **shall be equivalent to or better than** the specified product/material it is intended to replace **at no additional cost to the NCC**. The Contractor shall submit request for product substitution in writing identifying products and providing all detailed technical information for evaluation.
- .6 Review of the Work:
- Upon request, allow NCC Engineer access to the fabrication site for review of the work in progress.
 - On a weekly basis, provide digital photos of the work in progress to the NCC Engineer. Identify any issues and confirm completion date.
 - Ensure and provide to NCC Engineer, a photographic record of substrates and rough-ins prior to covering and concealment by exterior/interior finishes.
 - Concealed vs Surface Mounted: Contractor is to conceal attachments etc... as much as possible. Should these have to be surface mounted, align and space accordingly.
 - Recording: Throughout the implementation of the work of this contract, provide record notes and mark-ups of the contract documents to reflect as-built conditions. Provide a copy of the marked up record drawings to the NCC Engineer upon completion of the work.
- .7 Manufacturer's Instructions
- Unless otherwise indicated in contract and construction documents, install or erect products in accordance with manufacturer's instructions and MSDS recommendations. Notify NCC Engineer immediately of conflicts between manufacturer's instructions and the Contract's intended use or design.
- .8 Compatibility of Materials
- The Contractor shall only install materials which are compatible to each other and to existing materials to be retained in the building and site. Any materials installed and deemed not compatible shall be replaced by adequate compatible materials by the Contractor at no additional cost to the contract.
- .9 Fastenings
- All fastenings shall be 'exterior use' quality.
 - Provide metal fastenings and accessories in the same texture, colour and finish as adjacent materials, unless indicated otherwise.
 - Prevent electrolytic action between dissimilar metals and materials.
 - Space anchors within individual load limit or shear capacity and ensure they provide positive permanent anchorage.
 - Fastenings which cause spalling or cracking of material to which anchorage is made are not acceptable.

13.0 DAMAGES

- .1 Restore or replace to their original condition existing public and/or privately owned property, structures, finishes, services and/or utilities damaged during the execution of the work of this contract, or make adequate compensation to affected parties.
- .2 The terms “restore” and “replace” include labour, equipment and material costs.

14.0 CLEANING

- .1 Final cleaning at completion of the work shall include interiors of the building as well as any exterior areas affected/soiled by work of this Contract.

15.0 CLOSE-OUT SUBMITTALS

- .1 List of Contractor, sub-contractors and suppliers:
 - To include name of supplier, address, telephone number, and contact person name
 - Identify product or component
- .2 As-Built Drawings: Submit two (2) clean, annotated paper copies and in electronic format, contract documents marked as ‘As-Built Drawings’ upon completion of work of this Contract and dated with last revised date.
- .3 Record Photographs:
 - Prior to and throughout implementation of work of this contract, ensure record photographs of the work in progress is carried out
 - In particular, ensure photographs are captured of areas which are to be concealed, particularly when serviced electrically and mechanically
 - Submit one (1) electronic copy of record photographs, dated and noted
- .4 Maintenance and Operation Documents: Provide technical information sheet for each product, material or equipment and system supplied and installed as part of work of this contract. Include the following information, but not be limited to:
 - description of product, function, normal operation characteristics and limiting conditions
 - colour, finish, texture and size
 - complete nomenclature and commercial number of replaceable parts
 - names and addresses of suppliers/providers for replaceable parts
 - Maintenance requirements, including recommended schedule occurrence for all required maintenance activities
 - original manufacturer’s parts list, illustrations, assembly drawings and diagrams required for maintenance
- .5 Stain and Finish Coatings: supply a photocopy of stain/paint can labels c/w technical data, colour and location of application. Provide 1 litre of each colour of paint and stain for touch-ups by Owner after final installation.
- .6 Vent Pipe: Supply and deliver Vent pipe and bracket as specified in Appendix II – Schedules of Materials, for installation by Owner.

16.0 WARRANTIES

- .1 At Substantial Completion submit warranties, in duplicate, for building component for work of this contract.
- .2 Clearly identify the product, material, equipment or system for which the warranty is effective.

- .3 List the sub-contractor, supplier and manufacturer with name, address, and telephone number of responsible contact.
- .4 Effective date of Warranty: Unless otherwise agreed by NCC Engineer, date of start of Warranty period shall be the **delivery date of all the units on site** also identified as **the Substantial completion date**.
- .5 Warranty Extension: The Contractor shall provide warranty extensions on any product, material, equipment or system for any component found to be defective within 30 days of Substantial completion. The extension period shall be equivalent to the length of time required for corrective action from the date of Substantial completion.

17.0 TESTING AND PERFORMANCE VERIFICATION

- .1 Implement all testing and performance verification activities for the equipment to satisfy requirements of the specifications prior to the delivery of the units to the NCC. Provide written confirmation that the tests have been completed successfully for the following:
 - .1 Testing of the spring hardware to ensure force exertion for operation of the door satisfies NBC and barrier free requirements
 - .2 Testing and performance of the portability of the unit, ensuring lateral stability when lifting and moving.

18.0 SUBSTANTIAL COMPLETION and DELIVERY of UNITS

- .1 Upon delivery of outhouse units and request for Substantial Completion, submit to NCC Engineer:
 - o warranties
 - o technical product information
 - o as-built record notes
- .2 Provide Confirmation of Conformance statement of work of the contract to date

19.0 FINAL COMPLETION

- .1 Upon completion of correction of deficiencies following final review and submittals of close-out information/materials, Final Completion will be accepted by NCC Engineer.

Part II - PRODUCTS SECTION

20.0 PRODUCTS

- .1 Appendix II – Refer to Appendix II for the “Schedule of Materials –Type ‘A’ (2 pages)” and “Schedule of Materials –Type ‘B’ (2 pages)” for product specifications, colour and finishes for work of this Contract.

Part III - FABRICATION

30.0 FLOOR and OUTHOUSE STRUCTURE

- .1 Portability: **The outhouses shall be portable. The units must be delivered at NCC sites intact and in a manner suitable for further movement.**

- .2 Provide shop drawings of the proposed structure confirming the following:
 - Temporary bracing and shipping preparations for transportation, loading/unloading
 - Capacity for further movement once delivered on site
 - Instructions on how to handle units once delivered: i.e. lift points. Demarcate on the new outhouse unit, the location of the 'lift points' for future use by NCC.
 - Size and types of fastenings, bolts for fastening and general stability of the structure.
- .3 Confirm to the NCC the weight of each unit.
- .4 Floor: the floor panels shall be welded together seamlessly in order to provide a waterproof surface inside the outhouse. Follow the manufacturer's recommended instructions and ensure compatibility of materials. The sub-structure shall satisfy structural requirements as defined by the National Building Code for this public use.
5. Sub-structure: Submit shop drawings to NCC Engineer of the proposed composition of the supporting floor structure, identifying live/dead loads, reinforced lifting points (clearly demarcated), fastening method

31.0 SAMPLE UNIT for QUALITY CONTROL

- .1 As per item 1.2.4, fabricate and deliver at the Crawley site, one of the units prior to start of fabrication of the remaining units. This sample unit will set the standard of quality and construction for the remainder of the units once reviewed and accepted by the NCC Engineer. It shall count as 1 of the units to be fabricated for utilisation.
- .2 The sample unit shall be 100% complete, including staining and mounting of accessories for review and acceptance. It shall be delivered and unloaded prior to review by the NCC Engineer.
- .3 Lifting of the unit is to be witnessed by the NCC Engineer and will form part of the review process for quality control.

32.0 ROUGH CARPENTRY

- .1 References:
 - American Society for Testing and Materials International (ASTM)
 - ASTM A653/A653M-05a, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvanealed) by the Hot-Dip Process.
 - Canadian Standards Association (CSA International).
 - Underwriters' Laboratories of Canada (ULC)
 - CAN/ULC-S706-97, Mineral Fibre Thermal Insulation for Buildings.
- .2 Quality Assurance
 - Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
 - No plywood, OSB or wood based composites may be used in the fabrication of these units
- .3 Framing and Structural Materials
 - .1 Lumber: unless specified otherwise, softwood, S4S, moisture content 19% (S-dry) or less in accordance with following standards:
 - .2 CSA O141.
 - .3 NLGA Standard Grading Rules for Canadian Lumber.
- .4 Framing and board lumber: in accordance with NBC, except as follows:
- .5 Furring, blocking, nailing strips, grounds, rough bucks, fascia backing and sleepers:

- .1 S2S is acceptable for concealed locations.
- .2 Board sizes: "Standard" or better grade.
- .3 Dimension sizes: "Standard" light framing or better grade.
- .4 Post and timbers sizes: "Standard" or better grade.
- .6 Panel Materials
- .7 Accessories
 - .1 N/A
 - .2 Product information: Refer to Appendix II 'Schedule of Materials –Type 'A" and 'Schedule of Materials – Type 'B"
 - .3 Sealants: in accordance with SCAQMD Rule 1168- Adhesives and Sealants Applications. Maximum allowable VOC limit 250 g/L.
 - .4 General purpose adhesive: to CSA O112 Series. Maximum allowable VOC limit 140/L.
 - .5 Nails, spikes and staples: to CSA B111.
 - .6 Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.
 - .7 Proprietary fasteners: toggle bolts, expansion shields and lag bolts, screws and lead or inorganic fibre plugs, recommended for purpose by manufacturer.
- .8 Fasteners: Galvanizing to CAN/CSA-G164, use galvanized fasteners for exterior work pressure-preservative and fire-retardant treated lumber with the exception of hardware and accessories. Fasteners for hardware and accessories shall be of the same material as of the hardware and/or accessories
- .9 Installation and Erection:
 - .1 Install members true to line, levels and elevations, square and plumb.
 - .2 Construct continuous members from pieces of longest practical length.
 - .3 Install furring and blocking as required to space-out and support ceiling finishes, facings, fascia, soffit, washroom accessories, and other work as required.
 - .4 Install rough bucks, nailers and linings to rough openings as required to provide backing for frames, openings and other work.
 - .5 Install wood cants, fascia backing, nailers, curbs and other wood supports as required and secure using galvanized steel fasteners.
 - .6 Install sleepers as indicated
 - .7 Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
 - .8 Countersink bolts where necessary to provide clearance for other work.
- 33.0 ROOF:**
 - .1 Roof underlay: Self-adhesive bituminous membrane. Acceptable product: Grace Ice & Water Shield or approved equivalent. Lap seams minimum 100mm in direction of water flow.
 - .2 Roofing panels: 26 ga .Prefinished galvanized steel roofing panels, AmeriCana profile by Ideal Roofing or approved equivalent
 - .3 Fasteners: Galvanized steel roofing screws with neoprene gasket, colour to match roofing panels. Screw length and spacing as recommended by manufacturer – screws may NOT penetrate through underside of roof decking.
 - .4 Flashings: 26 ga .Prefinished galvanized steel
 - .1 Fabricate metal flashings as indicated. Use continuous lengths for each run of flashing. Neatly lap and rivet ridge cap at gable ends.
 - .2 Hem exposed edges on underside 12 mm. Mitre and seal corners with sealant.
 - .3 Form sections square, true and accurate to size, free from distortion and other defects detrimental to appearance or performance.

34.0 INTERIOR CEMENT BOARD (Outhouse Type 'A' only)

- .1 References
 - .1 Canadian General Standards Board (CGSB)
 - .2 American Society for Testing and Materials (ASTM)
- .2 Materials
 - .1 All materials and products to be for **EXTERIOR** application.
 - .2 Standard board: to ASTM C1325 and ASTM D 3273, 12.7 mm thick, 1200 mm wide x maximum practical length, ends square cut, locations indicated on drawings. Each panel to be installed in one piece (no joints).
 - .3 Stainless steel self-piercing cement board screws with finishing washers
- .3 Installation
 - .1 Erect pre-painted cement board in location as outlined on drawings
 - .2 All fasteners to be spaced equally and aligned.
 - .3 Install work level to tolerance of 1:1200.
- .4 Finishing
 - .1 Erect boards straight, plumb or level, rigid and at proper plane. Panels shall be one piece only. Joints are not acceptable. Fit edges and corners accurately to adjacent wood framing, free from rough edges. Secure at 200 mm o.c. using screws with finishing washers equally spaced for full length.
 - .2 Screw heads are to remain exposed.
 - .3 Completed installation to be smooth, level or plumb, free from waves and other defects
 - .4 Apply bead of caulking where edge of cement board butts against wood framing member,

35.0 FINISH CARPENTRY

- .1 References and Standards
 - .1 Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI) Architectural Woodwork Quality Standards Illustrated, 8th edition, Version 1.0 2003.
 - .2 Canadian Standards Association (CSA International)
 - .1 CSA B111-74(R2003), Wire Nails, Spikes and Staples.
 - .2 CAN/CSA-G164-M92(R2003), Hot Dip Galvanizing of Irregularly Shaped Articles.
 - .3 CSA O151-04, Canadian Softwood Plywood.
 - .4 CSA Z760-94, Life Cycle Assessment.
 - .5 CAN/CSA O132.2-90 (C1996) General requirements for wood doors.
 - .3 National Hardwood Lumber Association (NHLA)
 - .1 Rules for the Measurement and Inspection of Hardwood and Cypress 1998.
 - .4 National Lumber Grades Authority (NLGA)
 - .1 Standard Grading Rules for Canadian Lumber 2005.
 - .6 South Coast Air Quality Management District (SCAQMD), California State (SCAQMD)
 - .1 SCAQMD Rule 1113-04, Architectural Coatings.
 - .2 SCAQMD Rule 1168-05, Adhesives and Sealants Applications.
- .2 Material:
 - .1 Softwood lumber: unless specified otherwise, S4S, moisture content 19% or less in accordance with following standards:

- .1 CAN/CSA-O141.
- .2 NLGA Standard Grading Rules for Canadian Lumber.
- .3 AWMAC premium grade, moisture content as specified.

- .3 Accessories and Hardware:
 - .1 Nails and staples: to CSA B111; galvanized to CAN/CSA-G164 **for exterior work**,
 - .2 Wood screws: stainless steel, type and size to suit application.
 - .3 Adhesive: recommended by manufacturer. SCAQMD Rule 1168 - Adhesives and Sealants Applications.

- .4 Fabrication:
 - .1 Do finish carpentry to Quality Standards of the Architectural Woodwork Manufacturers Association of Canada (AWMAC), except where specified otherwise.
 - .2 Scribe and cut as required, fit to abutting walls, and surfaces, fit properly into recesses and to accommodate piping, accessories or other projecting, intersecting or penetrating objects.
 - .3 Form joints to conceal shrinkage. Position items of finished carpentry work accurately, level, plumb, true and fasten or anchor securely.
 - .4 Fastenings
 - .1 Design and select fasteners to suit size and nature of components being joined. Use proprietary devices as recommended by manufacturer.
 - .2 Ensure spacing and number of fastenings satisfy the requirement that the building is to be lifted and moved (possibly several times in its life)
 - .5 Standing and running trim:
 - .1 Refer to Drawings for identification of panelling and door/ window trims.
 - .2 Butt and cope internal joints of trim boards to make snug, tight, joint. Cut right angle joints of casing and base with mitred joints.
 - .3 Fit backs of trim boards and casing snugly to wall surfaces to eliminate cracks at junction of base and casing with walls.
 - .4 Install trim in single lengths without splicing.

36.0 DOOR HARDWARE

- .1 Refer to Appendix II – ‘Schedule of Materials – Type ‘A” and ‘Schedule of Materials – Type ‘B” for detailed specifications of products and materials.
- .2 Supply and install the following hardware:

	Qty/unit
- Pull(exterior side)	1
- Pull (interior side)	1
- Spring Hinges	3
- Surface sliding bolt (interior)	1
- Adjustable door sweep	1

- .3 Indicate on door shop drawing location, cut-outs and reinforcements for installation of specified hardware. Ensure coordination w/ hardware technical sheets and templates from manufacturer.
- .4 Hardware to be installed in accordance to CAN/CSA B650 to satisfy barrier free requirements and standards.
- .5 Test hardware pull force resistance for all units and adjust to ensure it satisfies barrier free standards. Provide NCC with record of pull force resistance for each unit.

37.0 INSTALLATION of BARRIER FREE and WASHROOM ACCESSORIES

- .1 Grab Bars: Refer to Drawings A-3, A-4, B-3 and B-4 for location of installation of grab bars.

- .2 Provide adequate structural support behind wall to satisfy NBC requirements. Refer to CAN/CSA B651-12 for height of installation to satisfy barrier free requirements. Review exact location/heights w/ NCC Engineer prior to installation.
- .3 Provide template for accessories installation to ensure coordination
- .4 Supply and install the following accessories:

	Qty/unit
- Grab bars	3
- Toilet paper dispenser	1
- Toilet riser	1
- Toilet seat with cover	1
- Back support	1
- Clothes hook	2
- Shelf	1

38.0 FINISH COATINGS

- .1 Scope:
 - .1 Exterior: Staining of exterior of all exposed wood surfaces: walls, eaves, fascia, door and trims;
 - .2 Interior: Staining of exposed wood surfaces: walls, ceilings, door, window and door frames.
 - .3 Painting: of cement panel board (Outhouse Type "A" only)
- .2 References:
 - .1 Architectural Painting Specifications Manual, Master Painters Institute (MPI).
 - .2 Systems and Specifications Manual, SSPC Painting Manual, Volume Two, Society for Protective Coatings (SSPC).
 - .3 Test Method for Measuring Total Volatile Organic Compound Content of consumer Products, Method 24 (for Surface coatings) of the Environmental Protection Agency (EPA).
- .3 Surface Preparation:
 - .1 Ensure surface is clean and dust free.
 - .2 Protect adjacent surfaces from paint splatters, markings, staining or other damage from painting activities.
- .4 Environmental Requirements: Ensure temperature, humidity and substrate moisture content are met and provided as per paint manufacturer's recommendations.
 - .1 Provide adequate ventilation of the space for 48 hours following painting activities.
 - .2 Ensure adequate lighting is provided during painting activities.
- .5 Products –Refer to Appendix II – ‘Schedule of Materials – Type ‘A” and ‘Schedule of Materials –Type ‘B”’.
 - .1 Paint: Ensure proposed primer and finish coats are as recommended by paint manufacturer. Minimum 1 primer and 2 finish coats. Paint products and colours as specified in Appendix II - ‘Schedules of Materials’. No substitution of paint type or colour will be considered.
 - .2 Submit colour paint samples for each specified colour to NCC Engineer for review and acceptance a minimum 3 days prior to start of paint activities.
 - .3 Staining: Ensure application of 2 coats of stain as specified in Appendix II – ‘Schedule of Materials’ .
- .6 Execution:
 - .1 Pre-stain wood boards, panels and trim with 1 coat prior to installation and fabrication.
 - .2 Pre-paint cement board panel prior to installation.

- .3 Remove surface hardware, accessories, cover plates, mounted equipment and exposed fastenings prior to start of staining if applicable.
- .4 Apply coats of paint/stain in continuous film. Ensure adequate drying and curing as per manufacturer's instructions in between coats.

39.0 GLAZING

.1 Products:

.1 Plastic glazing: to CAN/CGSB-12.12, UV and impact resistant, colourless translucent matte finish, 6mm thick, light transmission minimum 90%. Acceptable product: Evonik Acrylite or approved equivalent.

.2 Glazing gasket: 12mm wide self-adhesive closed-cell neoprene.

.3 Setting blocks: Neoprene, to suit glazing method, weight and area.

.2 Compliance: Comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

3 Execution:

.1 Pre-stain window frames, trim and glazing stops prior to installation of glazing.

.2 Allow minimum 6mm expansion space between perimeter of glazing and wood frame.

.3 Cut glazing gasket to length and set against permanent stops, flush with edge of stop.

.4 Place setting blocks at 1/3 points, with edge block maximum 150 mm from corners.

.5 Rest glazing on setting blocks and push against gasket for full contact at perimeter of light or unit

.6 Place glazing gasket on free perimeter of glazing in same manner described.

.7 Install removable stop without displacement of gasket. Exert pressure on tape for full continuous contact.

.8 Clean glazing in accordance with manufacturer's instructions.

END OF SECTION

01	For Tender	2013-12-04
no.	description	date

project
projet

**Gatineau Park
Accessible Outhouses**

drawing
dessin

**DELIVERY/ STORAGE
LOCATIONS**

approved by
approuvé par

designed by
conçu par

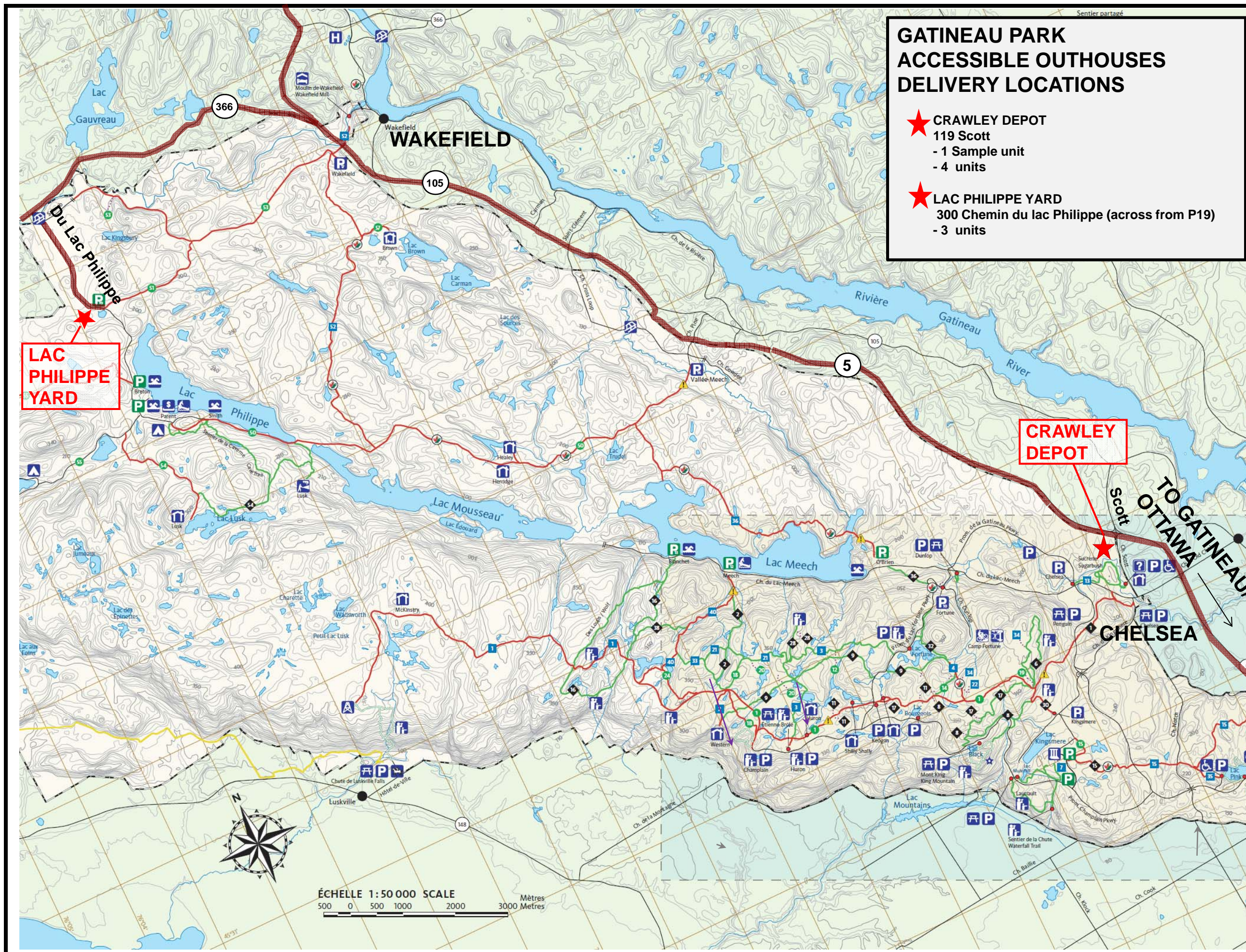
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dessiné par **KD**

date **13-11-27** scale
échelle **NTS**

NCC project no.
no. du projet de la CCN

sheet no.
no. de la feuille

DC3000-10 Appendix 1



**GATINEAU PARK
ACCESSIBLE OUTHOUSES
DELIVERY LOCATIONS**

★ **CRAWLEY DEPOT**
119 Scott
- 1 Sample unit
- 4 units

★ **LAC PHILIPPE YARD**
300 Chemin du lac Philippe (across from P19)
- 3 units

**LAC
PHILIPPE
YARD**

**CRAWLEY
DEPOT**

ÉCHELLE 1:50 000 SCALE
500 0 500 1000 2000 3000 Mètres

GATINEAU PARK OUTHOUSES - APPENDIX II

SCHEDULE OF MATERIALS – Type “A”*

*NOTE: SUPPLIER/ MANUFACTURER INFORMATION IS PROVIDED FOR ASSISTANCE ONLY. THE CONTRACTOR IS ENCOURAGED TO OBTAIN PRICING OF SAME OR EQUIVALENT PRODUCT ELSEWHERE.

	<i>Material</i>	<i>Supplier/Manufacturer (or approved equivalent)*</i>	<i>Product Description, Name and Number (or approved equivalent)*</i>	<i>Colour</i>	<i>Finish</i>
1	Floor perimeter beam :	Axion International Inc. Contact: Dave Crane (908) 542-0888	ECOTRAX 7" x 9" recycled structural plastic composite beam	Black	n/a
2	Floor sleeper joists	Axion International Inc. Contact: Dave Crane (908) 542-0888	STRUXURE 38mm x 89mm recycled structural plastic composite boards	Black	n/a
3	Connecting hardware for floor structure		Hot dipped galvanized, zinc plated or stainless steel	n/a	n/a
4	Flooring - 13mm textured HDPE, with shop welded joint	Available from Plas-Tech fabrication Contact: Kym Fenner 613-831-4640	Densilite TX plastic floor sheet	grey	n/a
5	Connecting hardware for HDPE floor		Stainless steel screws c/w stainless steel finishing washers	n/a	n/a
6	Sealant at floor perimeter	3M	Marine Adhesive/Sealant 5200 One -part polyurethane adhesive/ sealant	Black	n/a
7	Wall and roof framing		No.1 grade Eastern white cedar lumber	n/a	n/a
8	Exterior siding and roof decking		No.1 grade Eastern white cedar, 19x140 tongue and groove, v-joint profile both sides. Fasteners: Galvanized or stainless steel	TBD	STAIN FINISH
9	Interior and Exterior trim		No.1 grade Eastern white cedar, 19mm thickness	TBD	STAIN FINISH
10	Door frame		No.1 grade Eastern white cedar, 25mm thickness	TBD	STAIN FINISH
11	Window sill and mullions		No.1 grade Eastern white cedar, 38mm thickness	TBD	STAIN FINISH
12	Translucent Plastic Glazing	Evonik	6mm Acrylite Satinice Matte Acrylic sheet	colourless	P95 Matte
13	Glazing gasket		.3mm x 12mm (.125" x 1/2") closed cell neoprene gasket tape	Black	
14	Roofing	Ideal roofing	Pre-painted galvanized steel - Ameri-Cana panel, 26 ga. Fasteners: Powder-coated galvanized steel roofing screw with neoprene washer	TBD	Prefinished metal
15	Roof – drip edge flashing	Ideal roofing	Ideal roofing #414 drip edge with foam closure strip	TBD	Prefinished metal
16	Roof –Ridge cap and closure strip	Ideal roofing	Ideal roofing #210 cottage roof cap with foam closure strip	TBD	Prefinished metal
17	Self-adhesive roof membrane	Grace	Ice & Water Shield	n/a	n/a
18	Expanded metal mesh		13mm #20 stainless steel flattened expanded metal mesh	n/a	Stainless steel
19	Cement board		13 mm cement board	TBD	Paint finish
20	Cement board fasteners		Stainless steel bugle-head screws c/w stainless steel finishing washer	n/a	Stainless steel
21	Caulk for cement board perimeter		Latex caulk to ASTM C834 OR urethane caulk to ASTM C920	Match cement board finish	n/a
22	Toilet riser	Alcaro plastics Inc 1-250-765-1097	Polyethylene toilet riser, 18" high. (Customize standard model by reducing lower flange height to 75mm in height and providing inner sleeve to allow connection with standard 20" diameter septic tank riser)	TBD	n/a
23	Toilet seat with cover	Bemis	Bemis 950 commercial heavy duty plastic toilet seat	white	n/a

GATINEAU PARK OUTHOUSES - APPENDIX II

SCHEDULE OF MATERIALS – Type “A” *

	<i>Material</i>		<i>Supplier/Manufacturer (or approved equivalent)*</i>	<i>Product Description, Name and Number (or approved equivalent)*</i>	<i>Colour</i>	<i>Finish</i>
24	Clothes hook		Acorn	3-inch forged iron colonial heart hook	Black	Powder coat
25	Washroom Grab Bars		Bobrick	32mm diameter Stainless steel, peened finish B-6806.99 / 457mm length (Qty:1) / 610mm length (Qty:1) 900mm length (Qty:1)	n/a	Brushed/Satin Stainless Steel
26	Toilet paper holder		ASI	ASI-0040 Surface mounted jumbo roll toilet tissue dispenser	n/a	Stainless Steel
27	Door Hardware:	a) D- pull (2)	Stanley	10-3/8" Ornamental Pull - Model 76.0885	Black	Powder coat
		b) Hinges (3)	Hager	4-1/2 x 4 Single acting full mortise spring hinges, #1250 USP (Primed for painting)	Black	Rust inhibiting paint
		c) Slide bolt (1)	John Wright Company	6 inch slide bolt # 88-507	Black	Powder coat
		d) Door sweep	KN Crowder	W 24-S Aluminum/ nylon door sweep	Aluminum	anodized
28	Vent pipe			305mm diameter HDPE pipe (provide 4880mm length)	Black	n/a
29	Vent support		Selkirk	Chimney wall band 10S-WB	Black	Rust inhibiting paint

GATINEAU PARK OUTHOUSES - FINISH SCHEDULE - Type “A” *

	<i>Location/ surface</i>	<i>Supplier/Manufacturer (or approved equivalent)</i>	<i>Product Description, Name and Number (or approved equivalent)</i>	<i>Colour</i>	<i>Finish</i>
1	Exterior wood tongue & groove siding and door		Low-VOC exterior solid stain	TBD	
2	Exterior wood trim		Low-VOC exterior solid stain	TBD	
3	Interior wood T&G walls, roof, door, trim		Low-VOC interior/ exterior penetrating transparent stain	transparent	Matte / satin
4	Hinges, vent support		Rust inhibiting paint	Black	
5	Interior cement board		Low-VOC Exterior acrylic semigloss	TBD	Semigloss

*NOTE: SUPPLIER/ MANUFACTURER INFORMATION IS PROVIDED FOR ASSISTANCE ONLY. THE CONTRACTOR IS ENCOURAGED TO OBTAIN PRICING OF SAME OR EQUIVALENT PRODUCT ELSEWHERE.

GATINEAU PARK OUTHOUSES - APPENDIX II

SCHEDULE OF MATERIALS – Type “B”*

*NOTE: SUPPLIER/ MANUFACTURER INFORMATION IS PROVIDED FOR ASSISTANCE ONLY. THE CONTRACTOR IS ENCOURAGED TO OBTAIN PRICING OF SAME OR EQUIVALENT PRODUCT ELSEWHERE.

	<i>Material</i>	<i>Supplier/Manufacturer (or approved equivalent)*</i>	<i>Product Description, Name and Number (or approved equivalent)*</i>	<i>Colour</i>	<i>Finish</i>
1	Floor perimeter beam :	Axion International Inc. Contact: Dave Crane (908) 542-0888	ECOTRAX 7" x 9" recycled structural plastic composite beam	Black	n/a
2	Floor sleeper joists	Axion International Inc. Contact: Dave Crane (908) 542-0888	STRUXURE 38mm x 89mm recycled structural plastic composite boards	Black	n/a
3	Connecting hardware for floor structure		Hot dipped galvanized, zinc plated or stainless steel	n/a	n/a
4	Flooring - 13mm textured HDPE, with shop welded joint	Available from Plas-Tech fabrication Contact: Kym Fenner 613-831-4640	Densilite TX plastic floor sheet	grey	n/a
5	Connecting hardware for HDPE floor		Stainless steel screws c/w stainless steel finishing washers		n/a
6	Sealant at floor perimeter	3M	Marine Adhesive/Sealant 5200 One –part polyurethane adhesive/ sealant	Black	n/a
7	Wall and roof structural framing		SPF Select Structural grade	n/a	n/a
8	Roof decking		No.1 grade Eastern white cedar, 19x140 tongue and groove, v-joint Fasteners: Galvanized or stainless steel	transparent	STAIN FINISH
9	Exterior siding		No.1 grade Eastern white cedar board & Batten. Boards: 19 x 140mm, Battens 19 x 38 mm	TBD	STAIN FINISH
10	Exterior trim		No.1 grade Eastern white cedar, 19mm thickness	TBD	STAIN FINISH
11	Flashing at wall base	Ideal roofing	26 ga. pre-painted galvanized steel – custom bent and drilled	TBD	Prefinished metal
12	Interior wall finish		No.1 grade pine, 19x140 tongue and groove, v-joint. Fasteners: Galvanized or stainless steel	transparent	STAIN FINISH
13	Door & window frames		No.1 grade Eastern white cedar	TBD	STAIN FINISH
14	Interior trim		No.1 grade pine	transparent	STAIN FINISH
15	Translucent Plastic Glazing	Evonik	6mm Acrylite Satinice Matte Acrylic sheet	colourless	P95 Matte
16	Glazing gasket		.3mm x 12mm (.125" x 1/2") closed cell neoprene gasket tape	Black	
17	Roofing	Ideal roofing	Pre-painted galvanized steel - Ameri-Can panel, 26 ga. Fasteners: Powder-coated galvanized steel roofing screw with neoprene washer	TBD	Prefinished metal
18	Roof – drip edge flashing	Ideal roofing	Ideal roofing #414 drip edge with foam closure strip	TBD	Prefinished metal
19	Roof –Ridge cap and closure strip	Ideal roofing	Ideal roofing #210 cottage roof cap with foam closure strip	TBD	Prefinished metal
20	Self-adhesive roof membrane	Grace	Ice & Water Shield	n/a	n/a
21	Expanded metal mesh		13mm #20 stainless steel flattened expanded metal mesh	n/a	Stainless steel
22	Toilet riser	Alcaro plastics Inc 1-250-765-1097	Polyethylene toilet riser, 18" high. (Customize standard model by reducing lower flange height to 75mm in height and providing inner sleeve to allow connection with standard 20" diameter septic tank riser)	TBD	N/A
23	Toilet seat with cover	Bemis	Bemis 950 commercial heavy duty plastic toilet seat	white	n/a

GATINEAU PARK OUTHOUSES - APPENDIX II

SCHEDULE OF MATERIALS – Type “B” *

	<i>Material</i>	<i>Supplier/Manufacturer (or approved equivalent)*</i>	<i>Product Description, Name and Number (or approved equivalent)*</i>	<i>Colour</i>	<i>Finish</i>
24	Clothes hook	Acorn	3-inch forged iron colonial heart hook	Black	Powder coat
26	Washroom Grab Bars	Bobrick	32mm diameter Stainless steel, peened finish B-6806.99 / 610mm length (Qty:2) 900mm length (Qty:1)	N/A	Brushed/Satin Stainless Steel
26	Toilet paper holder	ASI	ASI-0040 Surface mounted jumbo roll toilet tissue dispenser	N/A	Stainless Steel
27	Door Hardware:	a) D- pull (2)	Stanley 10-3/8" Ornamental Pull - Model 76.0885	Black	Powder coat
		b) Hinges (3)	Hager 4-1/2 x 4 Single acting full mortise spring hinges, #1250 USP (Primed for painting)	Black	Rust inhibiting paint
		c) Slide bolt (1)	John Wright Company 6 inch slide bolt # 88-507	Black	Powder coat
		d) Door sweep	KN Crowder W 24-S Aluminum/ nylon door sweep	Aluminum	anodized
28	Vent pipe		305mm diameter HDPE pipe (provide 4880mm length)	Black	n/a
29	Vent support	Selkirk	Chimney wall band 10S-WB	Black	Rust inhibiting paint

GATINEAU PARK OUTHOUSES - FINISH SCHEDULE - Type “B” *

	<i>Location/ surface</i>	<i>Supplier/Manufacturer (or approved equivalent)</i>	<i>Product Description, Name and Number (or approved equivalent)</i>	<i>Colour</i>	<i>Finish</i>
1	Exterior wood Board & Batten siding and door		Low-VOC exterior solid stain	TBD	
2	Exterior wood trim		Low-VOC exterior solid stain	TBD	
3	Interior wood T&G walls, roof, door, trim		Low-VOC interior/ exterior penetrating transparent stain	transparent	Matte / satin
4	Hinges, vent support		Rust inhibiting paint	Black	

*NOTE: SUPPLIER/ MANUFACTURER INFORMATION IS PROVIDED FOR ASSISTANCE ONLY. THE CONTRACTOR IS ENCOURAGED TO OBTAIN PRICING OF SAME OR EQUIVALENT PRODUCT ELSEWHERE.

GENERAL NOTES

- A - It is the contractor's responsibility to verify all dimensions on site. Do not scale drawings.
- B - All work to be in conformance with *CAN/CSA-B651-12 Accessible Design for the Built Environment*.
- C - Provide temporary interior and exterior diagonal bracing for stability during transport
- D - No plywood, OSB or other manufactured wood products may be used.
- E - Refer to specifications for details regarding materials and finishes.

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no.	description	date
3	FOR TENDER	2013-12-03
2	FOR TRANSLATION	2013-11-04
1	FOR REVIEW	2013-10-10

project
projet

**UNIVERSAL ACCESS
OUTHOUSE**

drawing
dessin

**TYPE "A"
PLAN**

approved by
approuvé par

designed by
conçu par

drawn by
dessiné par

K DORNER

date
2013-10-10

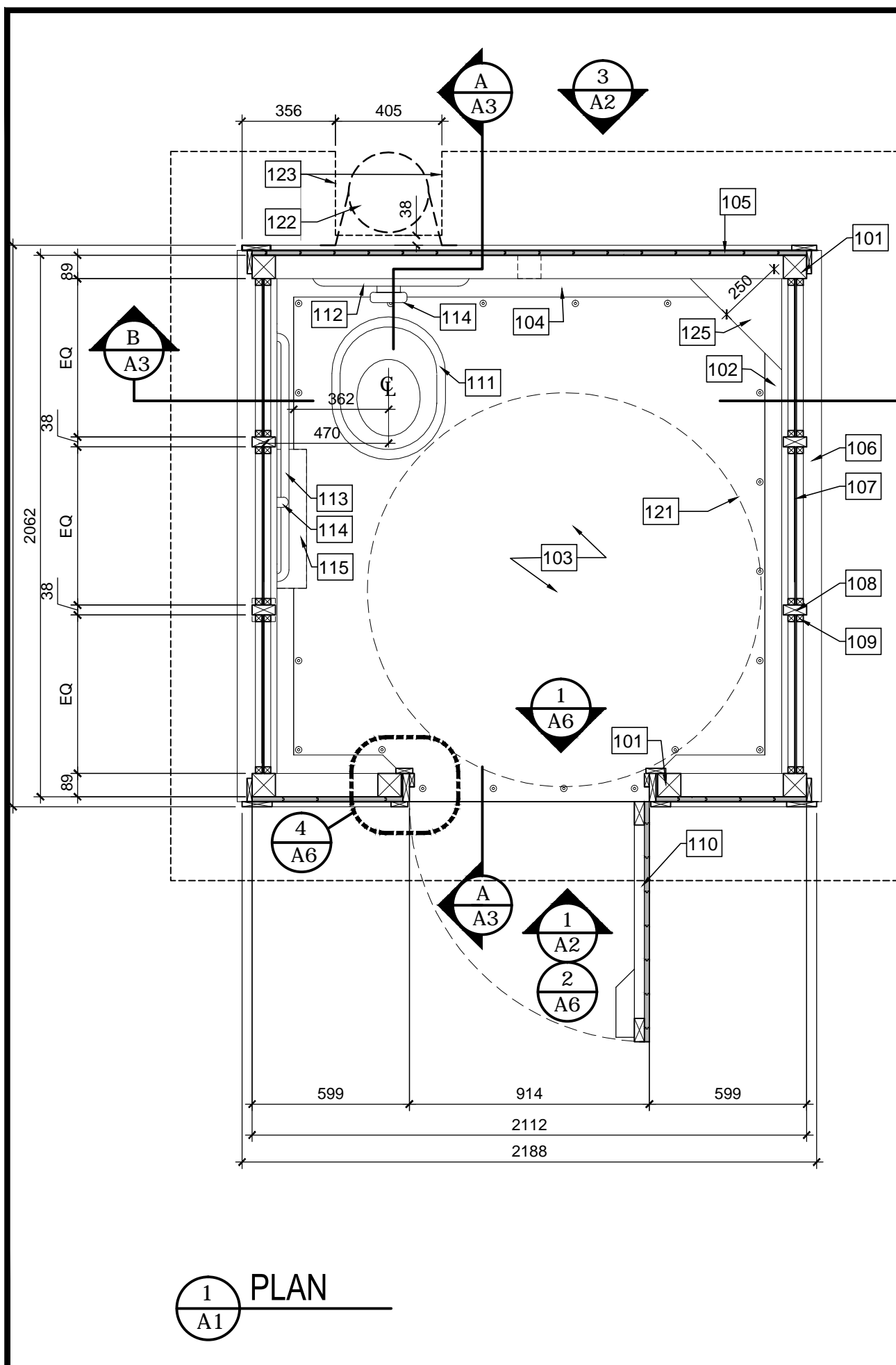
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NCC project no.
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no. de la feuille

DC3000-10

A-1



1 PLAN
A1

2 FLOOR FRAMING PLAN
A1

NOTES: DRAWING A1

- 101 89x89 wood post
- 102 Perimeter floor beam: 178 x 229 reinforced recycled plastic railroad tie
- 103 13mm textured HDPE plastic floor c/w welded joints. Refer to A3 /5 for attachment details.
- 104 38 x 89 cedar bottom plate. Predrill oversize holes and bolt to plastic beam below
- 105 Typical exterior wall: 19 x 140 T&G cedar, v-groove both sides
- 106 Bevelled cedar windowsill- refer to details on A5.
- 107 Translucent plastic glazing
- 108 38 x 89 cedar mullion
- 109 Bevelled 25 x 25mm cedar glazing stops
- 110 Wood door - refer to details on A6
- 111 Toilet riser. Position centre line of riser 470mm from adjacent cement board wall surface (362mm from edge of perimeter beam).
- 112 610mm grab bars mounted on solid blocking
- 113 915mm grab bar mounted on solid blocking
- 114 457mm grab bar mounted on solid blocking
- 115 Toilet paper dispenser
- 116 Cedar back support -refer to detail 5/A5
- 117 38x89 reinforced recycled plastic floor sleeper/ joists @ max. 300mm oc
- 118 Floor opening to accommodate toilet riser
- 119 Doubled plastic sleeper joists at floor opening
- 120 Location of 89 x 89 cedar posts above
- 121 1500mm clear turning radius
- 122 305mm Ø vent pipe and supporting hardware by others (NIC)
- 123 Cutout in roof overhang to accommodate future vent pipe
- 124 Notch in top of beam at door opening
- 125 Cedar corner shelf
- 126 Pre-drill and bolt mitred corners of plastic beams. Countersink bolt heads, washers and nuts.

GENERAL NOTES

- A - It is the contractor's responsibility to verify all dimensions on site. Do not scale drawings.
- B - All work to be in conformance with *CAN/CSA-B651-12 Accessible Design for the Built Environment*.
- C - Provide temporary interior and exterior diagonal bracing for stability during transport
- D - No plywood, OSB or other manufactured wood products may be used.
- E - Refer to specifications for details regarding materials and finishes.

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no.	description	date
3	FOR TENDER	2013-12-03
2	FOR TRANSLATION	2013-11-04
1	FOR REVIEW	2013-10-10

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OUTHOUSE**

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**TYPE "A"
ELEVATIONS**

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approuvé par

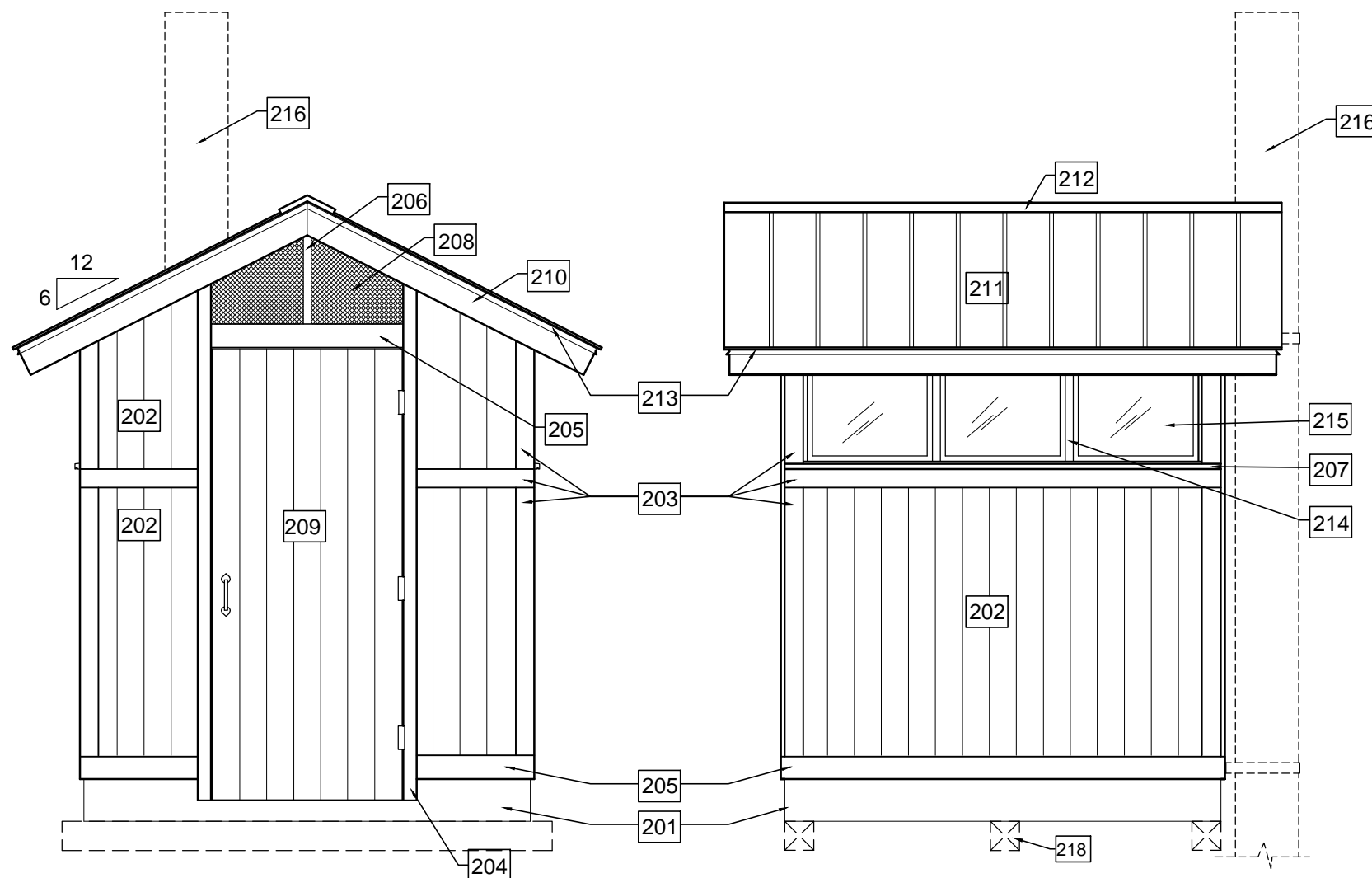
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dessiné par **K DORNER**

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no. du projet de la CCN sheet no.
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DC3000-10 **A-2**



1
A2 FRONT ELEVATION

2
A2 SIDE ELEVATION

3
A2 REAR ELEVATION

NOTES: DRAWING A2

- 201 -178mm x 229mm recycled structural plastic composite floor perimeter beam
- 202- 19 x 140 tongue and groove cedar siding, v-joint both sides
- 203 -19 x 89 cedar trim
- 204 -19 x 64 mm cedar trim
- 205 -19 x 114 cedar trim
- 206 -19 x 38mm cedar trim
- 207 -Beveled cedar window sill
- 208 -Expanded metal vent
- 209 -Tongue and groove cedar door - refer to details on A6.
- 210 -19 x 140 cedar fascia

- 211 - Prefinished corrugated metal roofing
- 212 -Prefinished metal ridge cap c/w foam closure strips
- 213 -Prefinished metal drip edge flashing
- 214 -38 x 89 cedar mullion
- 215 -Translucent plastic glazing
- 216 -305mm Ø vent stack. Supply only - installation by others.
- 217 -Roof cutout to accommodate future vent stack. Finish edges of cutout with 19 x 140 cedar fascia trim c/w metal drip edge flashing
- 218 -Temporary timber base for transport and storage - to be removed upon final installation. Refer to General Note C.

GENERAL NOTES

- A - It is the contractor's responsibility to verify all dimensions on site. Do not scale drawings.
- B - All work to be in conformance with *CAN/CSA-B651-12 Accessible Design for the Built Environment*.
- C- Provide temporary interior and exterior diagonal bracing for stability during transport
- D - No plywood, OSB or other manufactured wood products may be used.
- E - Refer to specifications for details regarding materials and finishes.

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3	FOR TENDER	2013-12-03
2	FOR TRANSLATION	2013-11-04
1	FOR REVIEW	2013-10-10

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**UNIVERSAL ACCESS
OUTHOUSE**

**TYPE "A"
SECTION A-A**

drawing
dessin

approved by
approuvé par

designed by
conçu par

drawn by
dessiné par

K DORNER

date
2013-10-10

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échelle **1:20**

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no. du projet de la CCN

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no. de la feuille

DC3000-10

A-3

NOTES: DRAWING A3

301 Perimeter floor beam - 178 x 229 reinforced recycled plastic railroad tie

302 FLOOR STRUCTURE:

- 13mm textured HDPE plastic floor
- 38 x 89 reinforced recycled plastic sleeper joists @ max 305mm oc

NOTE: At final installation, this floor structure will be supported on a granular pad. Provide support beneath the floor structure during construction, transport and delivery to prevent deflection/bending of plastic components.

303 Notch in perimeter beam at door opening

304 Doubled recycled plastic 38 x 89 at floor opening

305 38 x 89 wood bottom plate - predrill oversize holes and bolt to plastic base with lag bolts and washers

306 89x89 cedar post

307 89x89 cedar beam

308 TYPICAL EXTERIOR WALL:

- 19x 140 T&G cedar, v-joint both sides

309 19 x 89 cedar trim

310 19 x 114 cedar trim

311 EXTERIOR WALL PANEL behind and beside toilet riser:

Add to interior of typical T&G cedar wall:

- 38 x 89 horizontal blocking @min 400mm oc
- additional 38mm blocking as required for support of grab bars and toilet accessories
- 13mm cement board, paint finish, screwed to blocking with stainless steel screws c/w cup washers

312 13mm cement board, paint finish. Seal edges to wood structure with caulk.

313 Stainless steel screws with cup washers @ 400mm o.c

314 Wood door - refer to details on A6

315 ROOF STRUCTURE:

- Prefinished metal roofing
- Self-adhesive waterproofing membrane over entire roof deck
- 19 x 140 T&G v-joint cedar decking
- 38 x 89 wood rafters @±500 mm oc (equal spacing)

NOTE: Roofing screws may NOT protrude through the underside of the exposed decking.

316 19 x 140 cedar fascia

317 305mm Ø vent pipe (Supply only - installation by others)

318 Cutout in roof for future vent pipe

319 38 x 89 wood blocking between rafters

320 Underside of 19 x 140 T&G cedar roof decking

321 Bevelled 38 x 152 cedar sill - refer to detail 2/A5

322 38 x 89 cedar mullion

323 Translucent plastic glazing

324 25x25 bevelled cedar glazing stops

325 610mm grab bar screwed to solid blocking

326 915mm grab bar screwed to solid blocking

327 457mm grab bar screwed to solid blocking

328 Toilet paper dispenser

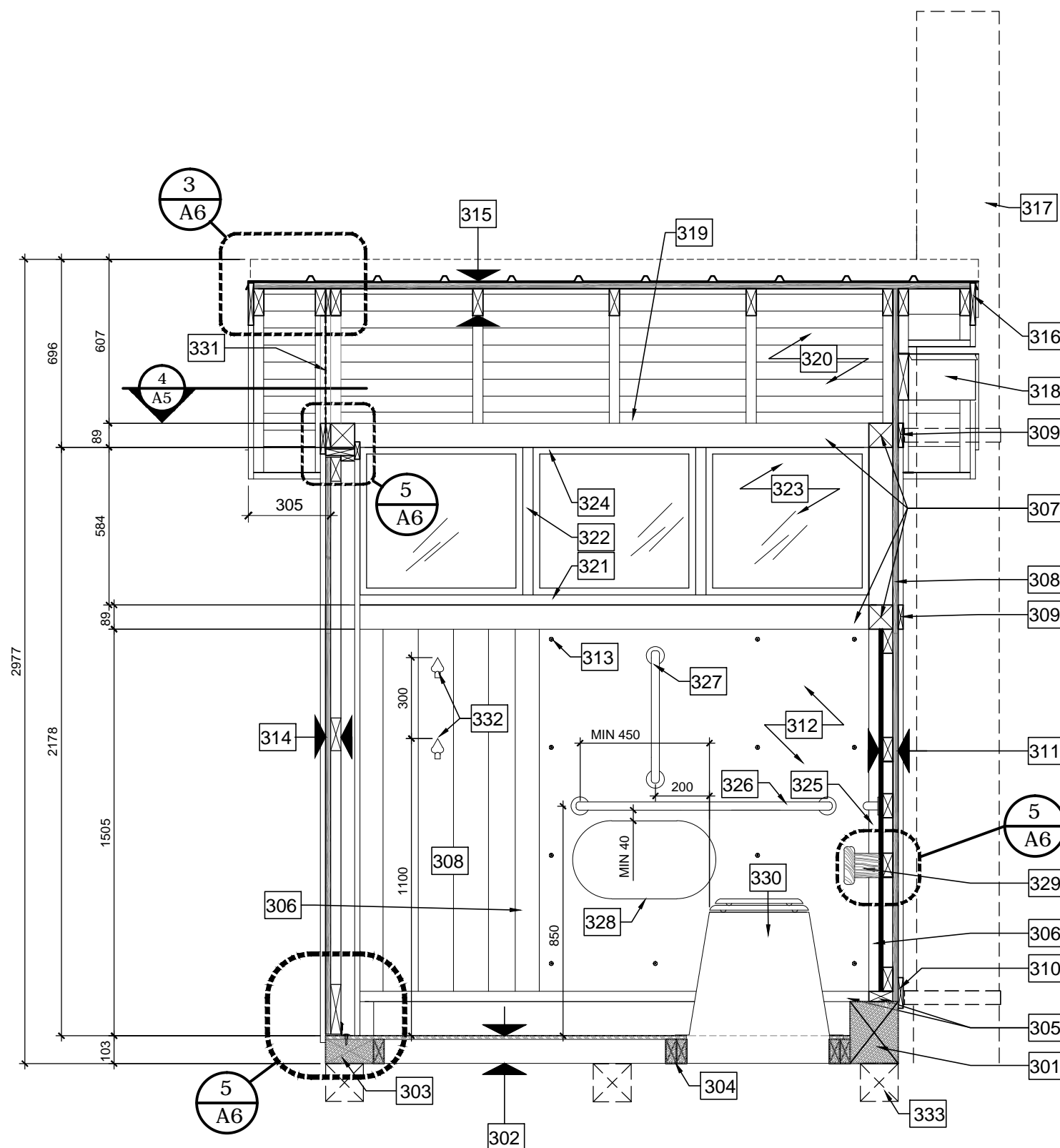
329 Cedar back support

330 Waterless toilet riser c/w seat and lid

331 Painted expanded metal vent panel

332 Coat hooks (2)

333 Temporary timber base for transport and storage - to be removed upon final installation. Refer to General Note C.



SECTION A-A

GENERAL NOTES

- A - It is the contractor's responsibility to verify all dimensions on site. Do not scale drawings.
- B - All work to be in conformance with CAN/CSA-B651-12 Accessible Design for the Built Environment.
- C - Provide temporary interior and exterior diagonal bracing for stability during transport
- D - No plywood, OSB or other manufactured wood products may be used.
- E - Refer to specifications for details regarding materials and finishes.

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no.	description	date
3	FOR TENDER	2013-12-03
2	FOR TRANSLATION	2013-11-04
1	FOR REVIEW	2013-10-10

project
projet

**UNIVERSAL ACCESS
OUTHOUSE**

drawing
dessin

**TYPE "A"
SECTION B-B**

approved by
approuvé par

designed by
conçu par

drawn by
dessiné par

date
2013-10-10

NCC project no.
no. du projet de la CCN

DC3000-10

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sheet no.
no. de la feuille

A-4

NOTES: DRAWING A4

401 Perimeter floor beam - 178 x 229 reinforced recycled plastic railroad tie

402 FLOOR STRUCTURE:

- 13mm textured HDPE plastic floor
- 38 x 89 reinforced recycled plastic sleeper joists @ max 305mm oc

NOTE: At final installation, this floor structure will be supported on a granular pad. Provide support beneath the floor structure during construction, transport and delivery to prevent deflection/bending of plastic components.

403 Doubled recycled plastic 38 x 89 at floor opening

404 38 x 89 cedar bottom plate - predrill oversize holes and bolt to plastic base with lag bolts and washers

405 89x89 wood post

406 89x89 wood beam

407 EXTERIOR WALLS:

- 19x 140 T&G cedar, v-joint both sides

408 19 x 89 cedar trim

409 19 x 114 cedar trim

410 EXTERIOR WALL PANEL behind and beside toilet riser:

Add to interior of T&G cedar:

- 38 x 89 horizontal blocking @min 400mm oc
- additional blocking as required for support of grab bars and toilet accessories,
- 13mm cement board, paint finish, screwed to blocking with stainless steel screws and cup washers

411 13mm cement board, paint finish. Seal edges to wood structure with caulk.

412 Stainless steel screws with cup washer @ 400mm o.c

413 ROOF STRUCTURE:

- Prefinished metal roofing
- Self-adhesive waterproofing membrane over entire roof deck
- 19 x 140 T&G v-joint cedar decking
- 38 x 89 wood rafters @±500 mm oc (equal spacing)

NOTE: Roofing screws may NOT protrude through the underside of the exposed decking.

414 Doubled 38x140 roof ridge

415 19 x 140 cedar fascia

416 305mm Ø vent pipe (by others)

417 38 x 89 cedar blocking between rafters

418 Bevelled 38 x 152 cedar sill

419 38 x 89 cedar mullion

420 Translucent plastic glazing

421 25x25 bevelled cedar glazing stops

422 610mm stainless steel grab bar

423 915mm stainless steel grab bar

424 457mm stainless steel grab bar

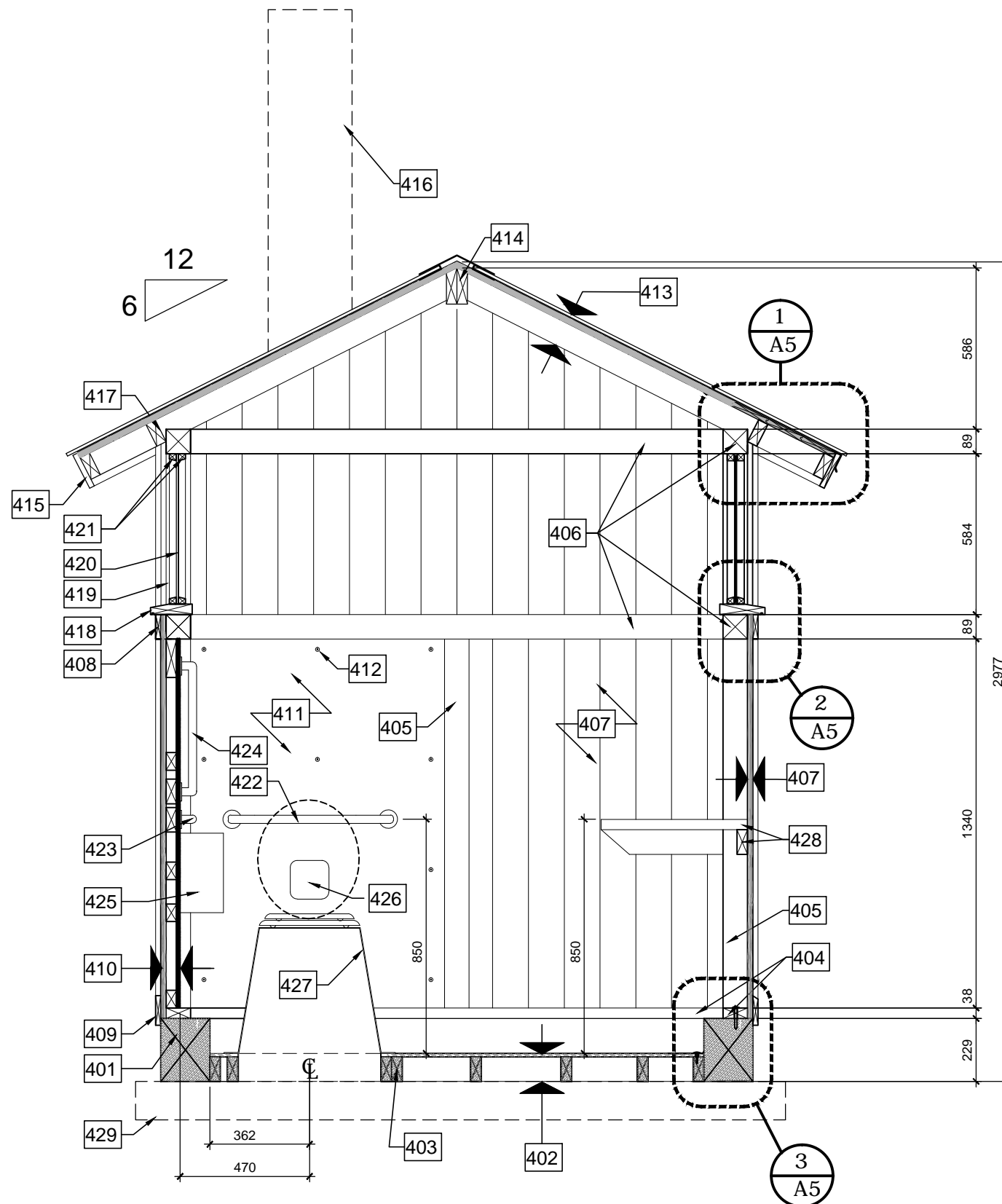
425 Toilet paper dispenser

426 Cedar back support - refer to detail 5/A5

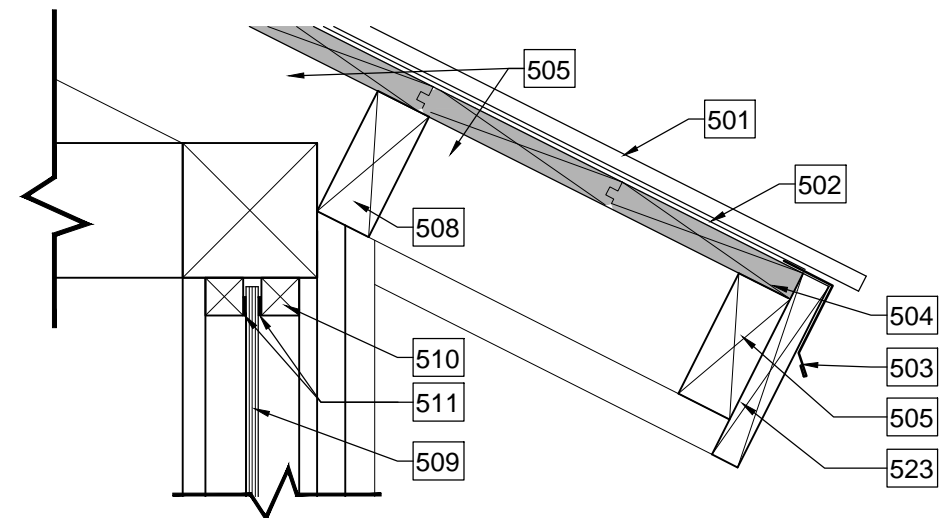
427 Waterless toilet riser c/w seat and lid

428 Cedar corner shelf c/w 38 x 89 supports

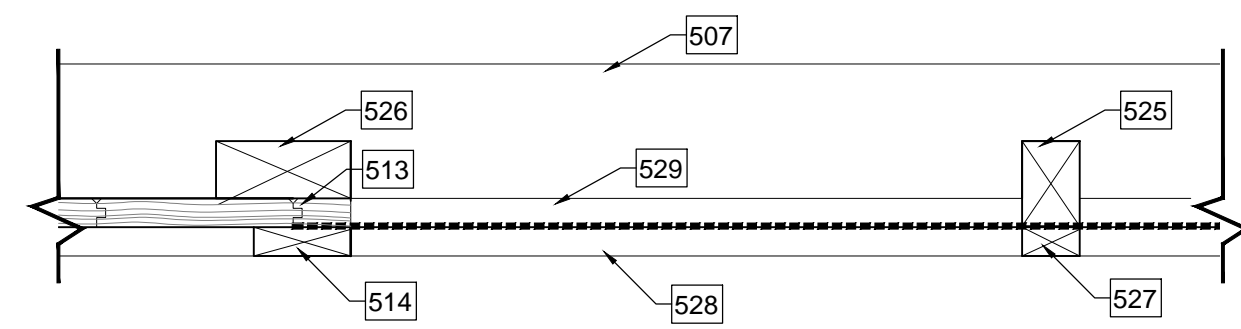
429 Temporary timber base for transport and storage - to be removed upon final installation. Refer to General Note C.



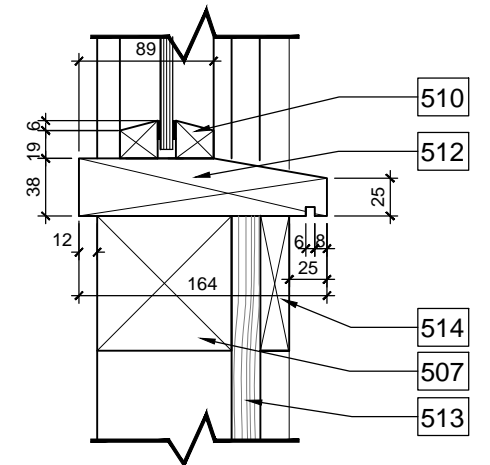
SECTION B-B



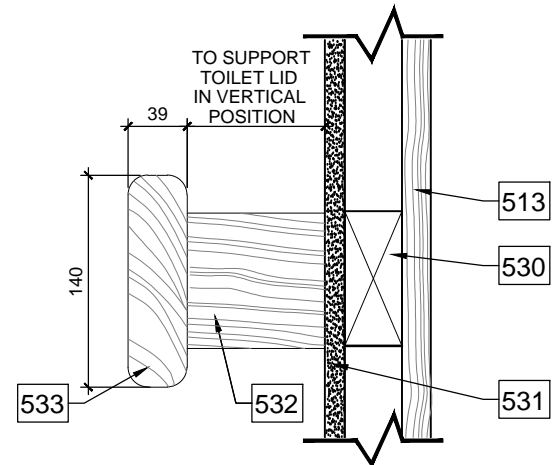
1 SECTION DETAIL AT EAVE/ WINDOW HEAD
A5



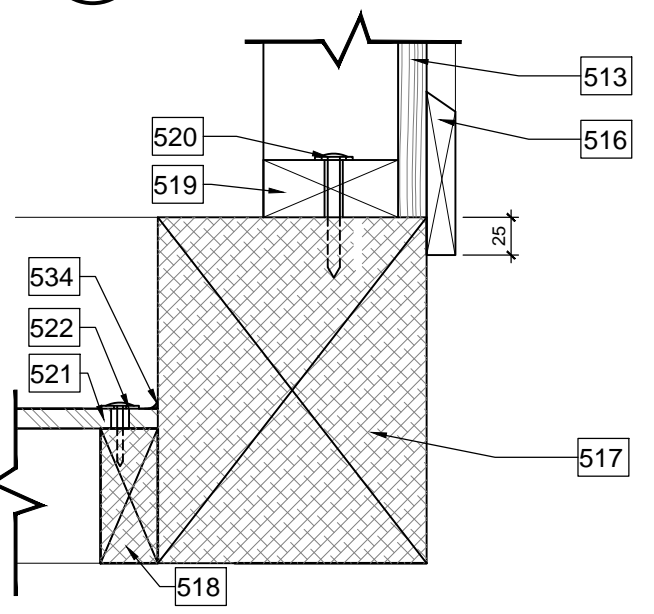
4 PLAN DETAIL AT VENT
A5



2 SECTION DETAIL AT WINDOW SILL
A5



5 BACK REST DETAIL
A5



3 SECTION DETAIL AT FLOOR/WALL JUNCTION
A5

NOTES: DRAWING A5

- 501 - Prefinished metal roof
- 502 - Self-adhesive waterproofing membrane
- 503 - Prefinished metal drip edge flashing
- 504 - 19 x 140 tongue & groove cedar roof deck
- 505 - 39 x 89 cedar subfascia
- 506 - 38 x 89 cedar rafter c/w birdsmouth notch
- 507 - 89 x 89 cedar beam
- 508 - 38 x 89 cedar blocking
- 509 - Translucent plastic glazing. Size panel to allow 6mm expansion space between panel edges and wood frame.
- 510 - 25 x 25 bevelled cedar glazing stops
- 511 - 3mm x 13mm closed cell neoprene gasket tape
- 512 - 38mm cedar window sill, beveled and undercut for drip edge
- 513 - 119 x 140 tongue & groove cedar siding
- 514 - 19 x 64 cedar trim
- 515 - Expanded metal lath vent
- 516 - 19 x 114 cedar trim - bevel top edge
- 517 - 178 x 229 reinforced recycled plastic perimeter beam
- 518 - 38 x 89 reinforced recycled plastic sleeper joists
- 519 - 38 x 89 cedar bottom plate
- 520 - Galvanized lag bolts /washers - predrill oversized hole in cedar bottom plate
- 521 - 13mm textured HDPE flooring with shop-welded joints
- 522 - Stainless steel panhead screws c/w 25mm Ø stainless steel fender washer. Predrill oversized holes in HDPE flooring evenly spaced at ±340mm o.c. and attach to structure below at PERIMETER OF FLOOR ONLY.
- 523 - 19 x 140 cedar fascia
- 524 - Solid wood door
- 525 - 38 x 57 cedar extending from beam below to rafter above
- 526 - 38 x 89 cedar extending from beam below to rafter above
- 527 - 19 x 38 cedar trim
- 528 - 19 x 114 cedar trim
- 529 - 19 x 89 cedar blocking
- 530 - 38mm solid blocking
- 531 - 13mm cement board, paint finish
- 532 - 89 x 89 cedar block
- 533 - 38 x 140 x 140 cedar plate, corners rounded and bullnose edges
- 534 - Polyurethane sealant at floor perimeter

GENERAL NOTES

- A - It is the contractor's responsibility to verify all dimensions on site. Do not scale drawings.
- B - All work to be in conformance with CAN/CSA-B651-12 Accessible Design for the Built Environment.
- C - Provide temporary interior and exterior diagonal bracing for stability during transport
- D - No plywood, OSB or other manufactured wood products may be used.
- E - Refer to specifications for details regarding materials and finishes.

no.	description	date
3	FOR TENDER	2013-12-03
2	FOR TRANSLATION	2013-11-04
1	FOR REVIEW	2013-10-10

project
projet

UNIVERSAL ACCESS OUTHOUSE

drawing
dessin

TYPE "A" DETAILS

approved by approuvé par	
designed by conçu par	
drawn by dessiné par	K DORNER
date 2013-10-10	scale échelle 1:5
NCC project no. no. du projet de la CCN	sheet no. no. de la feuille

GENERAL NOTES

- A - It is the contractor's responsibility to verify all dimensions on site. Do not scale drawings.
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- E - Refer to specifications for details regarding materials and finishes.

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**UNIVERSAL ACCESS
OUTHOUSE**

drawing / dessin

**TYPE "A"
DOOR DETAILS**

approved by / approuvé par

designed by / conçu par

drawn by / dessiné par

K DORNER

date / date
2013-10-10

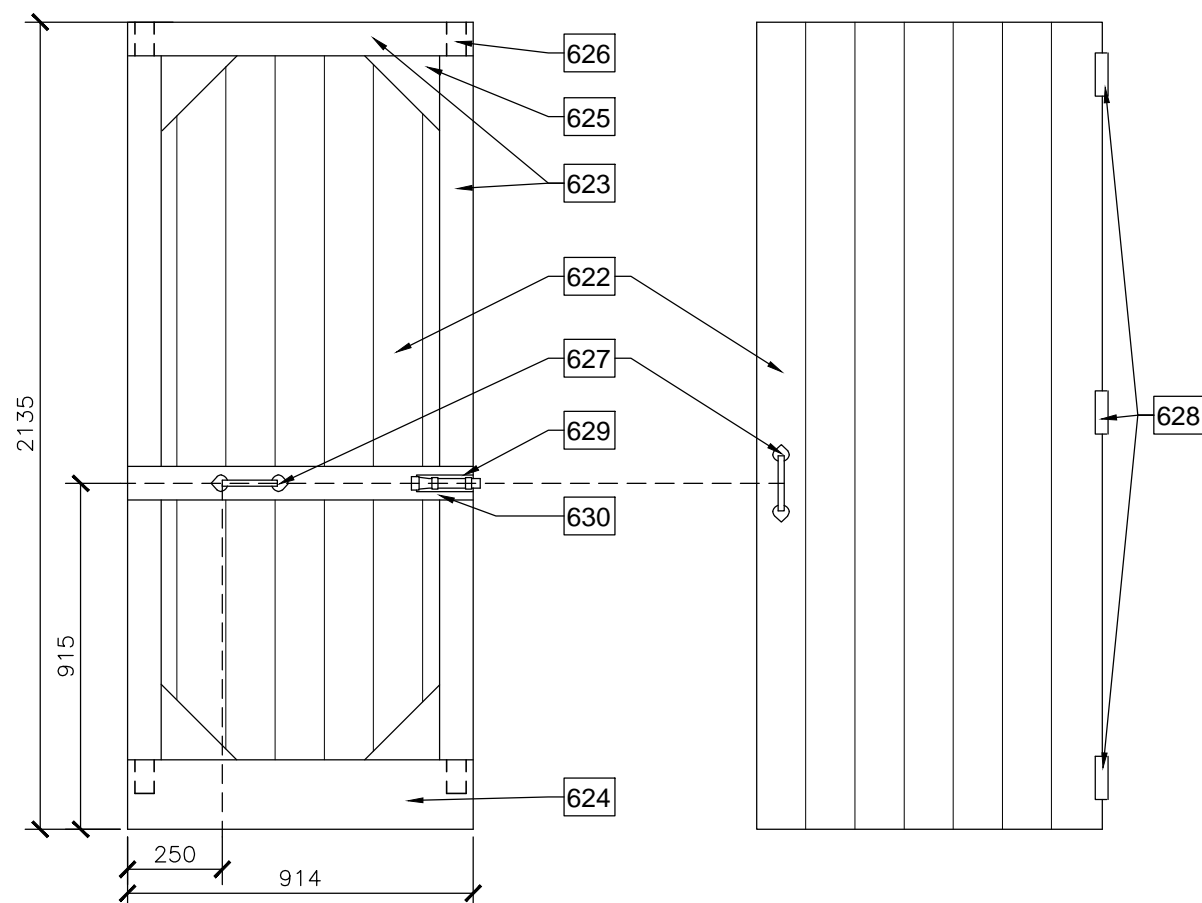
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scale / échelle
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sheet no. / no. de la feuille

A-6



1 INTERIOR DOOR ELEVATION
A6 1:20

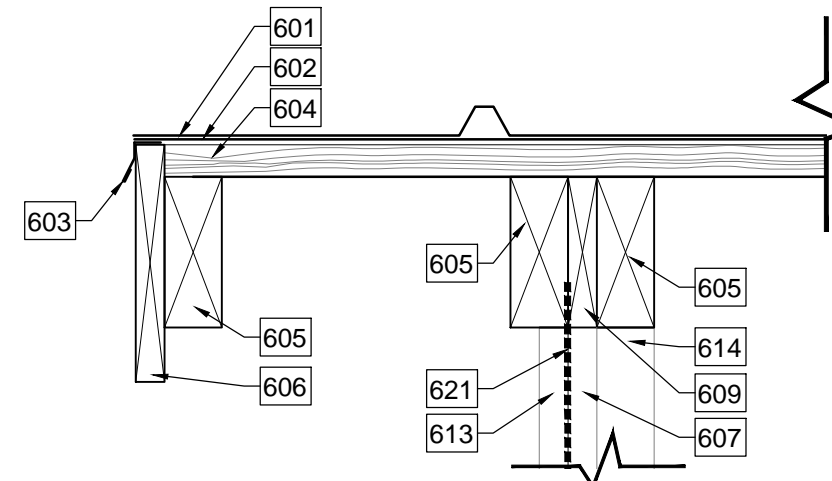
2 EXTERIOR DOOR ELEVATION
A6 1:20

NOTES: DRAWING A6

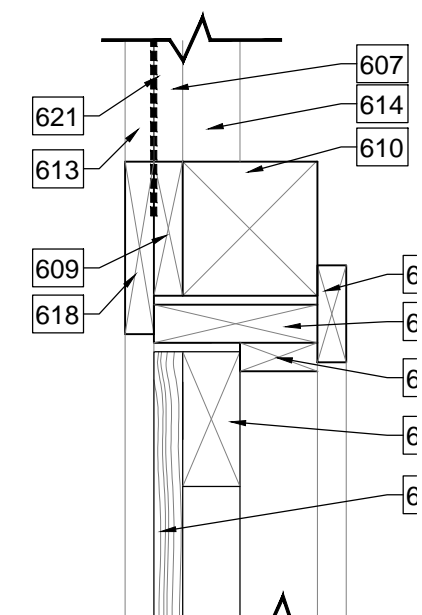
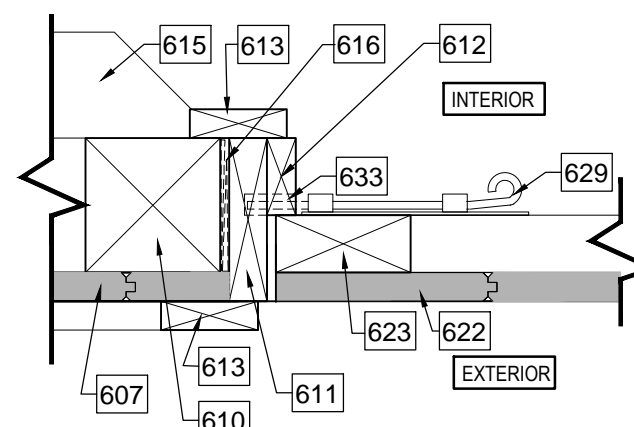
- 601 -Prefinished metal roof
- 602 -Self-adhesive waterproofing membrane
- 603 -Prefinished metal drip edge flashing
- 604 -19 x 140 tongue & groove cedar roof deck
- 605 -39 x 89 rafters
- 606 - 19 x 140 cedar fascia
- 607 -19 x 140 tongue & groove cedar siding
- 608 -Solid wood door
- 609 - 19 x 89 cedar blocking
- 610 -89 x 89 cedar
- 611 -25 x 108mm cedar door jamb
- 612 -19 x 51mm cedar door stop
- 613 -19 x 64 cedar trim
- 614 -38 x 89 cedar
- 615 -178 x 229 reinforced recycled plastic perimeter beam, notched and bevelled at door opening
- 616 -Cedar shims
- 617 -19 x 89 cedar blocking
- 618 -19 x 114 cedar trim

- 619 -13mm textured HDPE flooring with shop-welded joints
- 620 -38 x89 reinforced recycled plastic sleeper joists
- 621 -Expanded metal vent
- 622 -Door panelling - 19 x 140mm T&G cedar to match siding
- 623 -38 x 89 cedar rails and stiles
- 624 -38 x 184 cedar bottom rail
- 625 -38 x 140 diagonal braces
- 626 -mortise & tenon joint (typical)
- 627 - D-pull door handle
- 628 -Spring hinges
- 629 -Sliding latch
- 630 Door sweep
- 631 Cedar trim (beyond)
- 632 Stainless steel screws c/w 19mm Ø stainless steel finishing washer.
- 633 Slot in door stop and door jamb for sliding latch. Height of slot to extend 25mm above and below the latch tongue. Depth to accommodate tongue when fully engaged.

4 PLAN DETAIL AT DOOR JAMB
A6 1:5



3 SECTION DETAIL AT ROOF RAKE/ VENT
A6 1:5



5 SECTION DETAIL AT DOOR
A6 1:5

GENERAL NOTES

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drawing
dessin

**TYPE "A"
SCHEMATIC INSTALLATION
DRAWINGS**

approved by
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designed by
conçu par

drawn by
dessiné par

K DORNER

date
2013-10-10

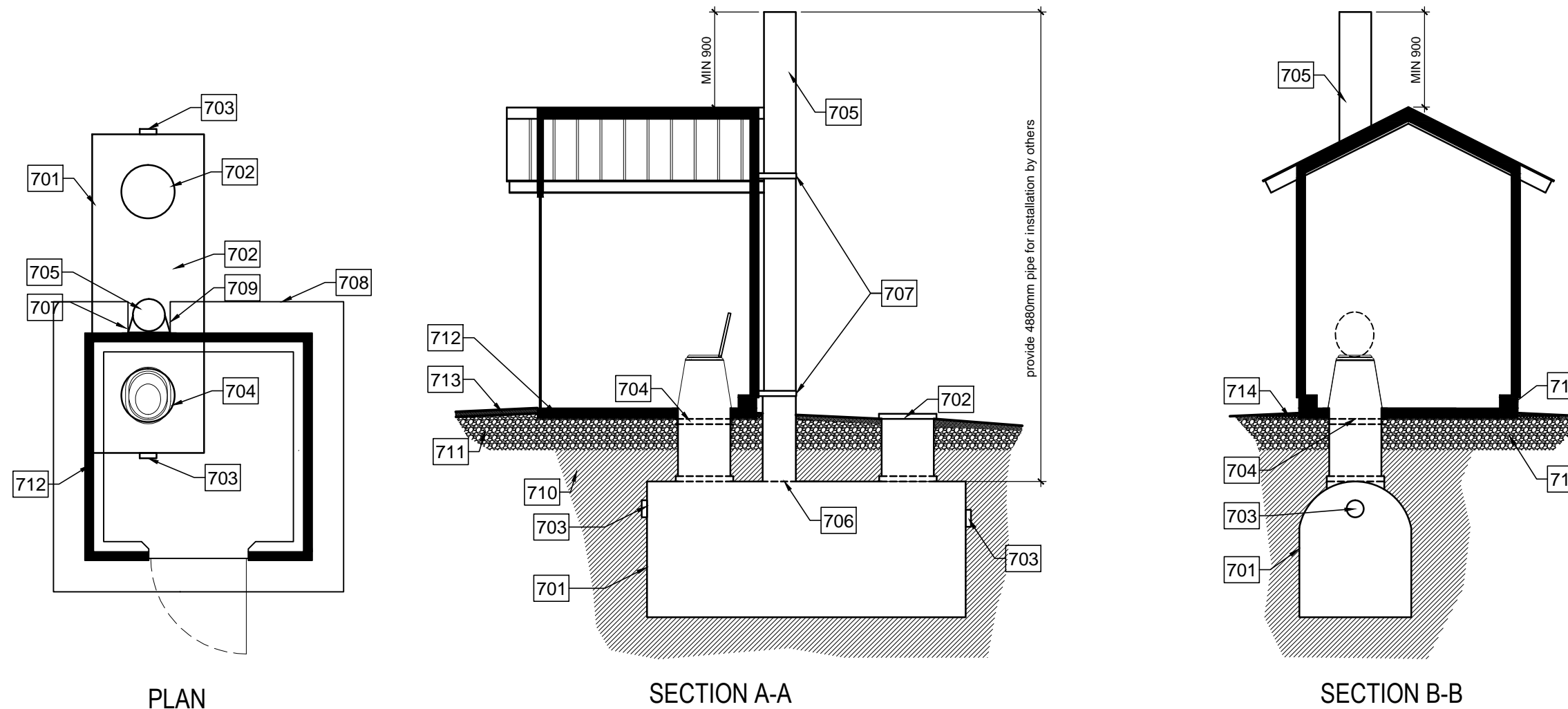
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échelle **1:50**

NCC project no.
no. du projet de la CCN

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no. de la feuille

DC3000-10

A-7



1
A7
SCHEMATIC INSTALLATION DRAWINGS (FOR INFORMATION ONLY)

NOTES: DRAWING A7

- 701 - Plastic holding tank
- 702 - Tank cleanout riser with cover
- 703 - Cap and seal outlets at ends of tank
- 704 - Waterless toilet unit positioned above tank riser
- 705 - 305mmØ black poly vent pipe, extending from top of tank to 900mm above roof peak
- 706 - Cut hole in top of tank to accommodate vent pipe. Clamp and seal vent pipe to tank.
- 707 - Galvanized vent stack braces, painted black - Selkirk Wall Band 10S-WB or approved equivalent
- 708 - Edge of roof above
- 709 - Roof cutout to accommodate vent stack
- 710 - Bedding and backfill material as per tank manufacturer's requirements
- 711 - Compacted granular fill
- 712 - Recycled plastic timber floor structure
- 713 - Edge of pathway flush with floor at door opening, with 2% slope away from building
- 714 - Slope finished grade away from building.

GENERAL NOTES

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UNIVERSAL ACCESS OUTHOUSE

drawing / dessin

TYPE "B" PLAN

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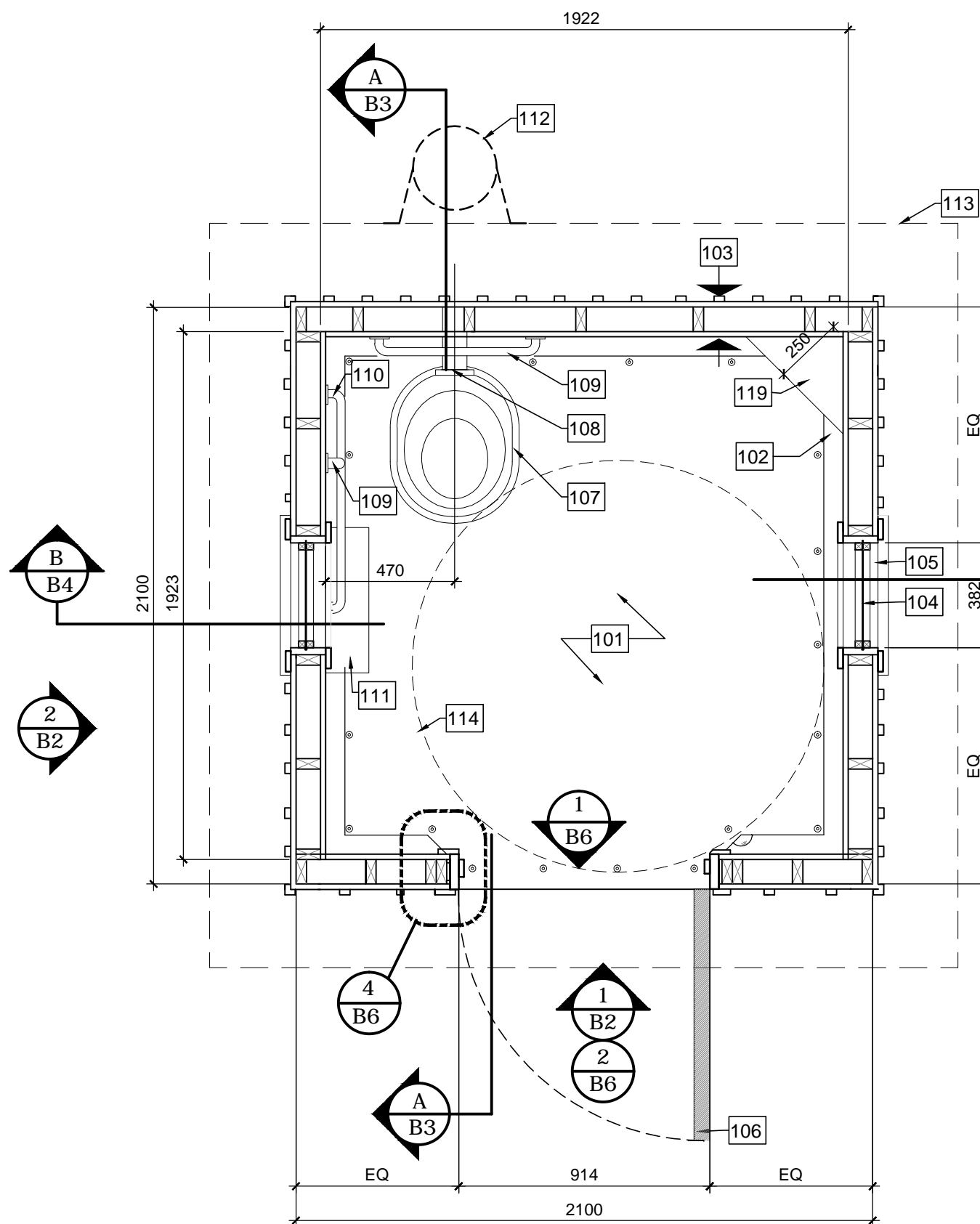
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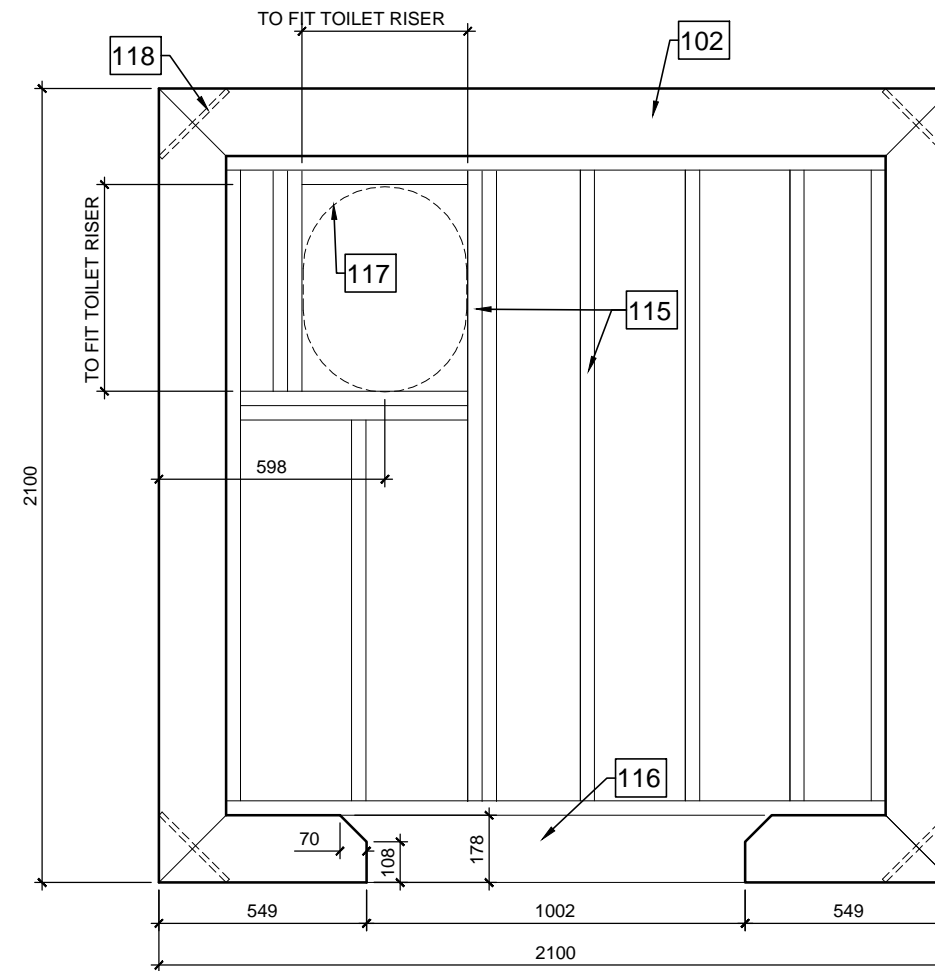
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DC3000-10 B-1



1
B1 PLAN



2
B1 FLOOR FRAMING PLAN

NOTES: DRAWING B1

- 101 13mm textured HDPE plastic floor c/w welded joints. Refer to detail 3/B5 for attachment to floor structure.
- 102 Perimeter floor beam: 178 x 229 reinforced recycled plastic railroad tie
- 103 Exterior wall construction:
Interior surface: v-joint tongue and groove pine boards, 19 x 140
Framing: 38x89 SPF Select Grade studs @ 400mm.oc max. c/w horizontal blocking @ 400mm o.c. max.
Exterior cladding: Cedar board and batten (Boards: 19mm x 140mm; Battens:19mm x 38mm)
- 104 Translucent plastic glazing panel
- 105 Bevelled cedar sill
- 106 Wood door - refer to details on drawing B6.
- 107 Outhouse toilet pedestal riser with toilet seat and lid. Provide opening in HDPE flooring and in floor framing to suit.
- 108 Wood back support - refer to detail 4/B5
- 109 610 mm stainless steel grab bar mounted on solid blocking. Quantity: 2
- 110 915 mm stainless steel grab bar mounted on solid blocking.
- 111 Toilet paper dispenser
- 112 305mm Ø vent pipe c/w supporting hardware. Supply only - installation by Others.
- 113 Edge of roof above.
- 114 Clear turning radius of min 1500mm
- 115 38 x 89 reinforced recycled plastic sleeper joists @ 305mm oc max. Double joists at toilet opening.
- 116 Notch and bevel floor beam at door opening- refer to details 3/B6 and 5/B6.
- 117 Floor opening to accommodate toilet riser
- 118 Pre-drill and bolt mitred corners of plastic beams. Countersink bolt heads, washers and nuts.
- 119 Pine corner shelf

GENERAL NOTES

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**TYPE "B"
ELEVATIONS**

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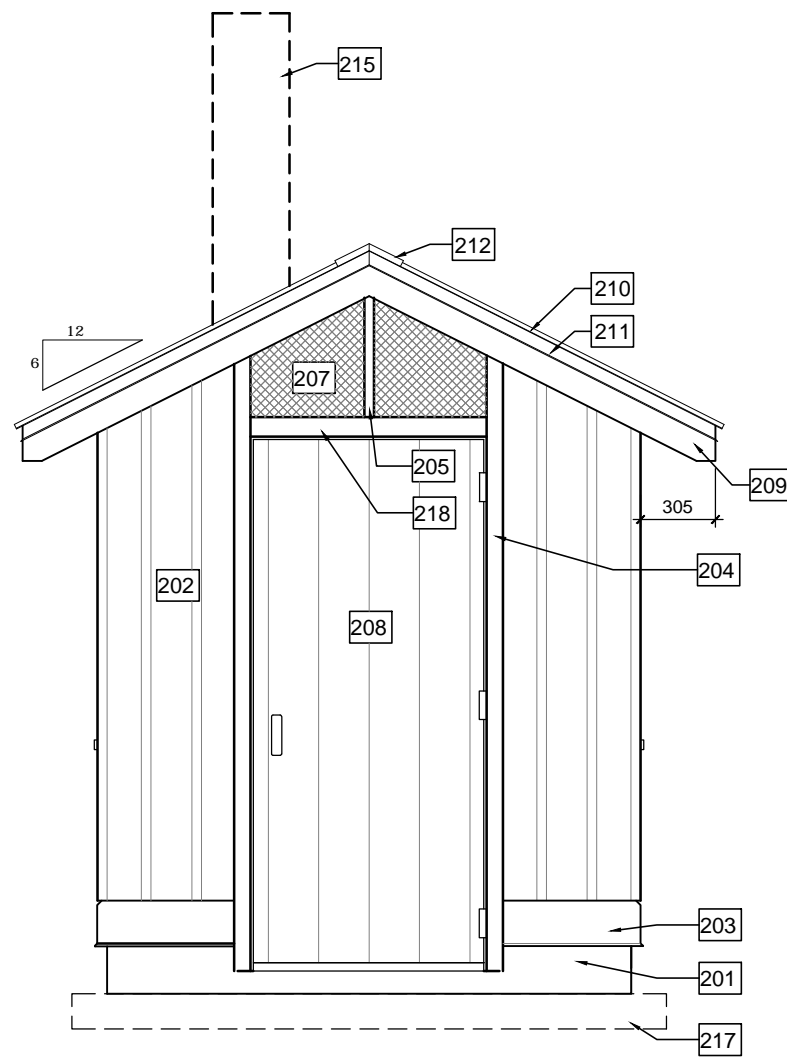
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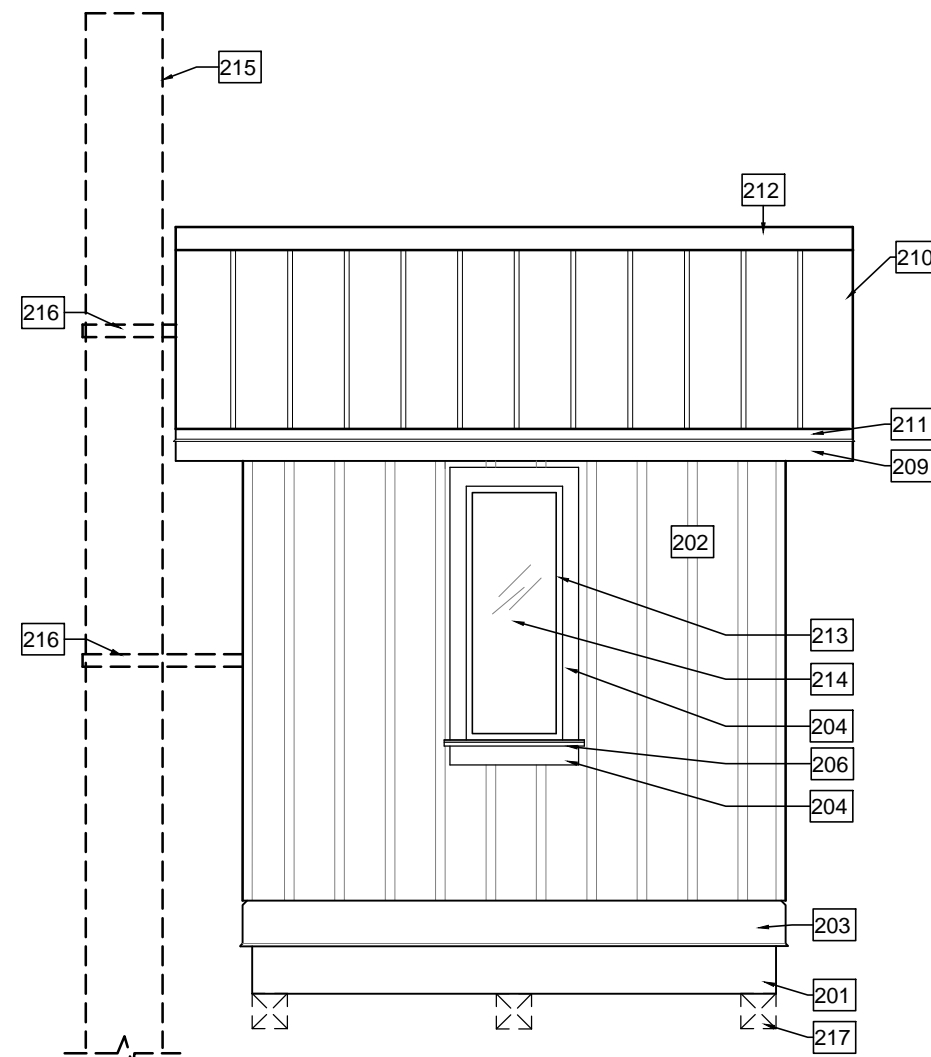
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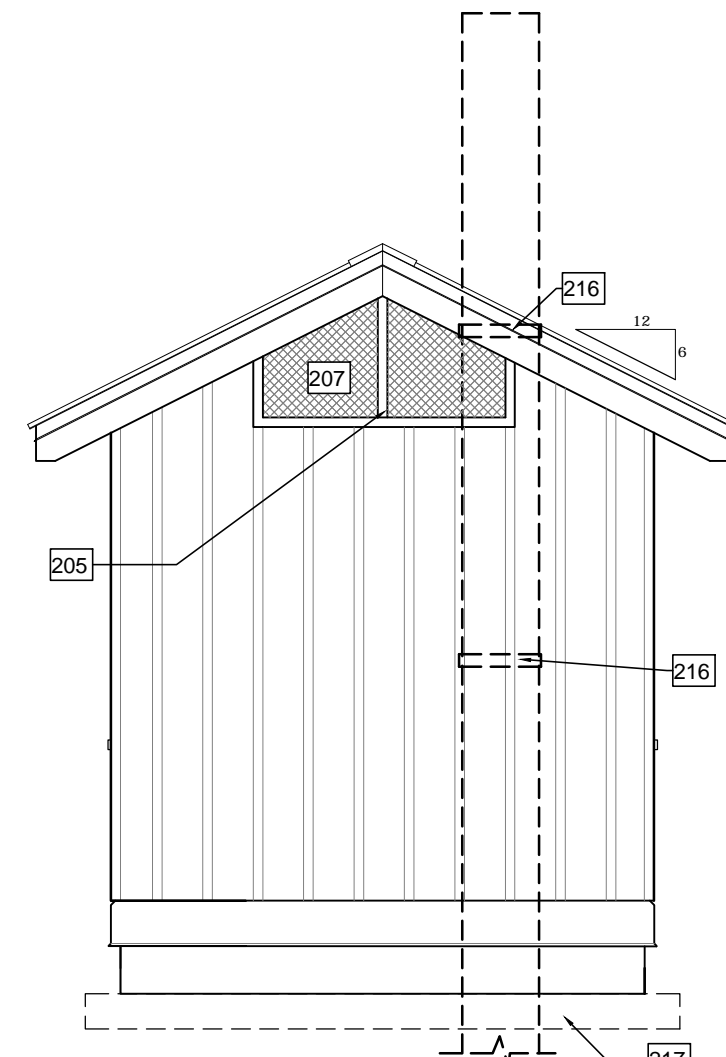
B-2



1 FRONT ELEVATION
B2



2 SIDE ELEVATION
B2



3 REAR ELEVATION
B2

NOTES: DRAWING B2

- | | |
|--|---|
| 201 Perimeter floor beam: 178 x 229 reinforced recycled plastic railroad tie | 212 Prefinished metal ridge cap c/w foam closure strips |
| 202 Cedar board and batten siding:
(Boards: 19mm x 140mm; Battens: 19mm x 38mm) | 213 25 x 25 cedar glazing stop |
| 203 38 x 184 cedar with prefinished metal flashing cladding | 214 Translucent plastic glazing |
| 204 19 x 64 mm cedar trim | 215 305mm Ø vent stack - supply only, installation by Others. |
| 205 19 x 38mm cedar trim | 216 Vent stack support - provide 2 wall bands for installation by Others. |
| 206 Beveled cedar window sill | 217 Temporary timber base for transport and storage - to be removed upon final installation. Refer to General Note C. |
| 207 Expanded metal vent | 218 19 x 75 cedar trim |
| 208 Wood door - refer to details on A6. | |
| 209 19 x 140 cedar fascia | |
| 210 Prefinished corrugated metal roofing | |
| 211 Prefinished metal drip edge flashing | |

GENERAL NOTES

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**UNIVERSAL ACCESS
OUTHOUSE**

drawing
dessin

**TYPE "B"
SECTION A-A**

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no. du projet de la CCN

sheet no.
no. de la feuille

DC3000-10

B-3

NOTES: DRAWING A3

301 Perimeter floor beam - 178 x 229 reinforced recycled plastic railroad tie

302 **FLOOR STRUCTURE:**

- 13mm textured HDPE plastic floor
- 38 x 89 reinforced recycled plastic sleeper joists @ max 305mm oc

NOTE: At final installation, this floor structure will be supported on a granular pad. Provide support beneath the floor structure during construction, transport and delivery to prevent deflection/bending of plastic components.

303 Notch perimeter beam at door opening

304 Doubled recycled plastic 38 x 89 at floor opening

305 **EXTERIOR WALL CONSTRUCTION:**

- Interior surface: 19 x 140 v-joint tongue and groove pine boards
- Framing: 38x89 SPF Select Grade studs @ 400mm.oc c/w horizontal blocking @ 400mm o.c.
- Exterior cladding: Cedar board and batten
- (Boards: 19mm x 140mm; Battens: 19mm x 38mm)

306 Attach 38 x 89 wood bottom plate to plastic beam by predrilling oversize holes in bottom plate and bolting to plastic with lag bolts and washers

307 38 x 184 cedar with prefinished metal flashing cover

308 Wood door - refer to details on B6

309 **ROOF CONSTRUCTION:**

- Prefinished metal roofing
- Self-adhesive waterproofing membrane over entire roof deck
- 19 x 140 T&G v-joint cedar decking
- 38 x 89 wood rafters @±500 mm oc (equal spacing)

NOTE: Roofing screws may NOT protrude through the underside of the exposed decking.

310 19 x 140 cedar fascia

311 305mm Ø vent pipe (Supply only - installation by others)

312 38 x 89 wood rafters

313 Underside of 19 x 140 T&G cedar roof decking

314 Translucent plastic glazing

315 25x25 cedar glazing stops

316 610mm grab bar screwed to solid blocking (quantity-2)

317 915mm grab bar screwed to solid blocking

318 Toilet paper dispenser

319 Cedar back support

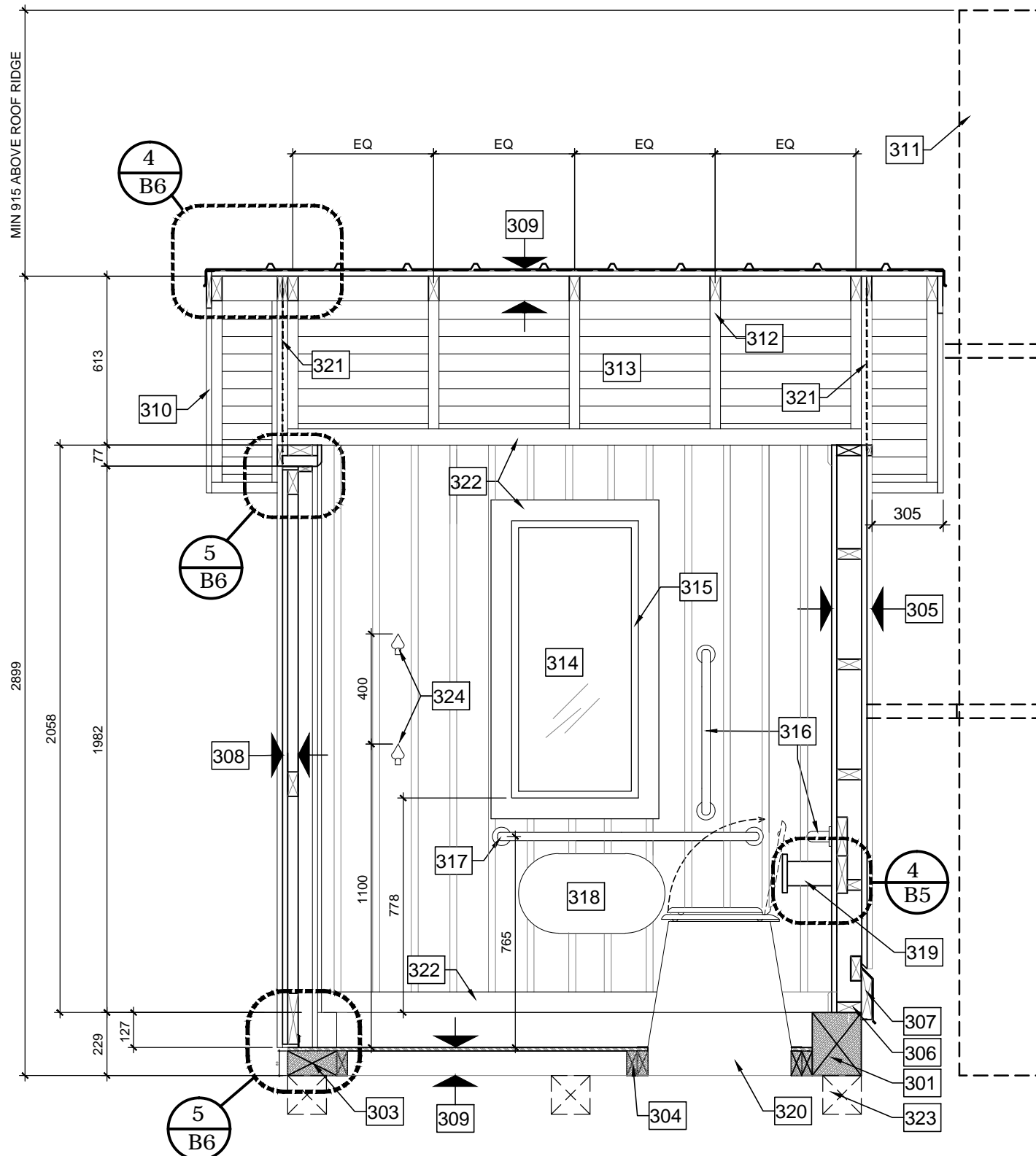
320 Waterless toilet riser c/w seat and lid

321 Stainless steel expanded metal vent panel

322 13 x 75 pine trim

323 Temporary timber base for transport and storage - to be removed upon final installation. Refer to General Note C.

324 Coat hooks



SECTION A-A

GENERAL NOTES

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OUTHOUSE**

drawing / dessin

**TYPE "B"
SECTION B-B**

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DC3000-10

B4

NOTES: DRAWING A4

401 Perimeter floor beam - 178 x 229 reinforced recycled plastic railroad tie

402 FLOOR STRUCTURE:

- 13mm textured HDPE plastic floor
- 38 x 89 reinforced recycled plastic sleeper joists @ max 305mm oc

NOTE: At final installation, this floor structure will be supported on a granular pad. Provide support beneath the floor structure during construction, transport and delivery to prevent deflection/bending of plastic components.

403 Doubled recycled plastic 38 x 89 at floor opening

404 EXTERIOR WALL CONSTRUCTION:

- Interior surface: v-joint tongue and groove pine boards, 19 x 140
- Framing: 38x89 SPF Select Grade studs @ 400mm.oc max. c/w horizontal blocking @ 400mm o.c. max.
- Exterior cladding: Cedar board and batten (Boards: 19mm x 140mm; Battens:19mm x 38mm)

405 38 x 89 wood bottom plate - predrill oversize holes and bolt to plastic base with lag bolts and washers

406 13 x 75 pine baseboard and ceiling trim

407 13 x 50 wood trim

408 ROOF CONSTRUCTION:

- Prefinished metal roofing
- Self-adhesive waterproofing membrane covering entire roof deck
- 19 x 140 T&G v-joint cedar decking
- 38 x 89 wood rafters @±500 mm oc (equal spacing)

NOTE: Roofing screws may NOT protrude through the underside of the exposed decking.

409 38x89 roof ridge

410 Prefinished metal ridge cap

411 38 x 89 studs/ blocking @ 400mm o.c.

412 Stainless steel expanded metal vent

413 19 x 140 cedar fascia

414 305mm Ø vent pipe (supply only - installation by others)

415 Bevelled cedar sill

416 Translucent plastic glazing

417 25x25 wood glazing stops

418 610mm stainless steel grab bar supported by solid blocking (quantity-2)

419 915mm stainless steel grab bar supported by solid blocking (quantity-1)

420 Toilet paper dispenser

421 Cedar back support - refer to detail 4/B5

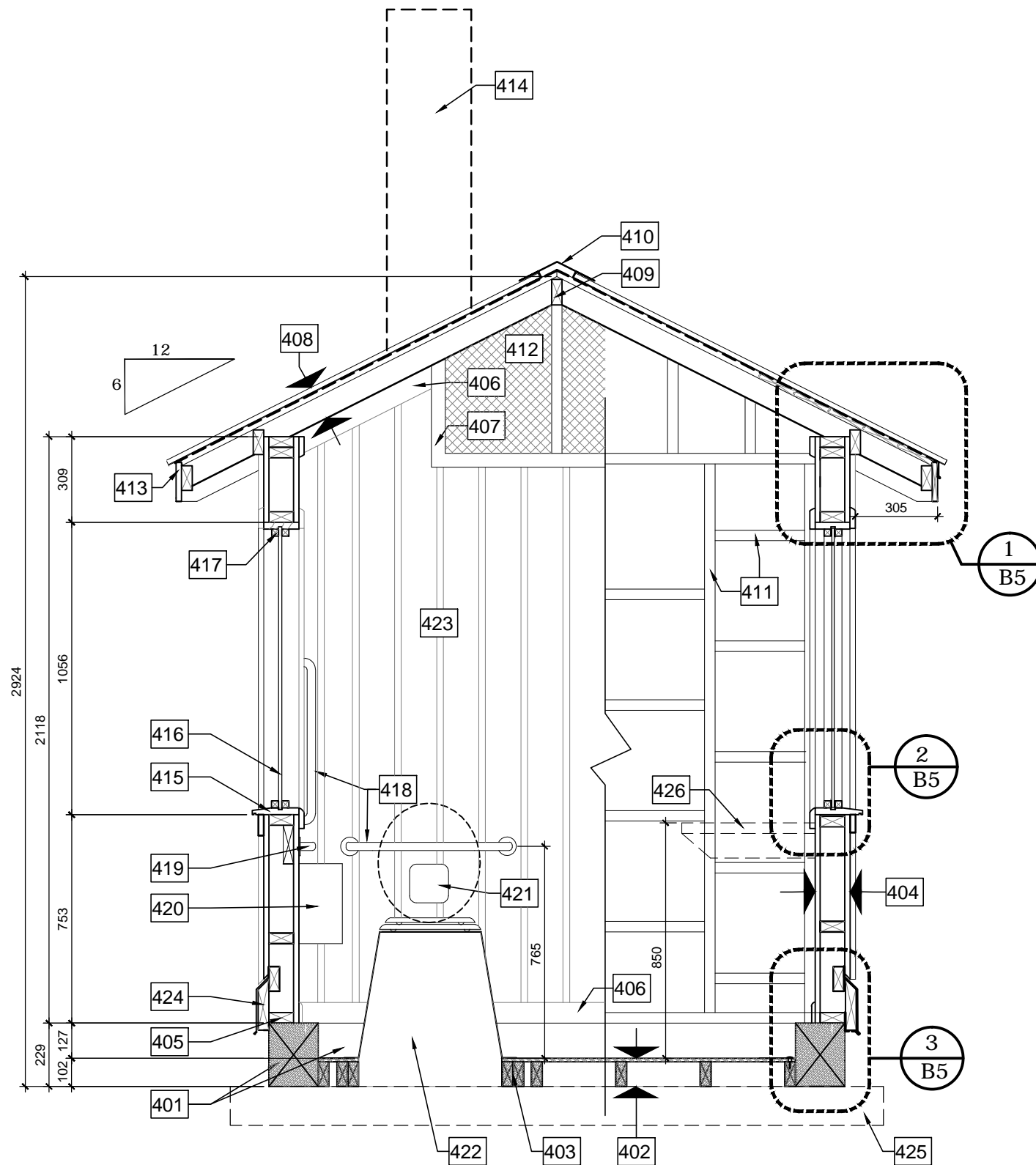
422 Waterless toilet riser c/w seat and lid

423 19 x 140 V-joint tongue and groove pine boards

424 38 x 184 bevelled cedar trim board c/w prefinished metal flashing/drip edge

425 Temporary timber base for transport and storage - to be removed upon final installation. Refer to General Note C.

426 Pine corner shelf c/w 38 x 89 supports



SECTION B-B

GENERAL NOTES

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**UNIVERSAL ACCESS
OUTHOUSE**

drawing
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**TYPE "B"
DETAILS**

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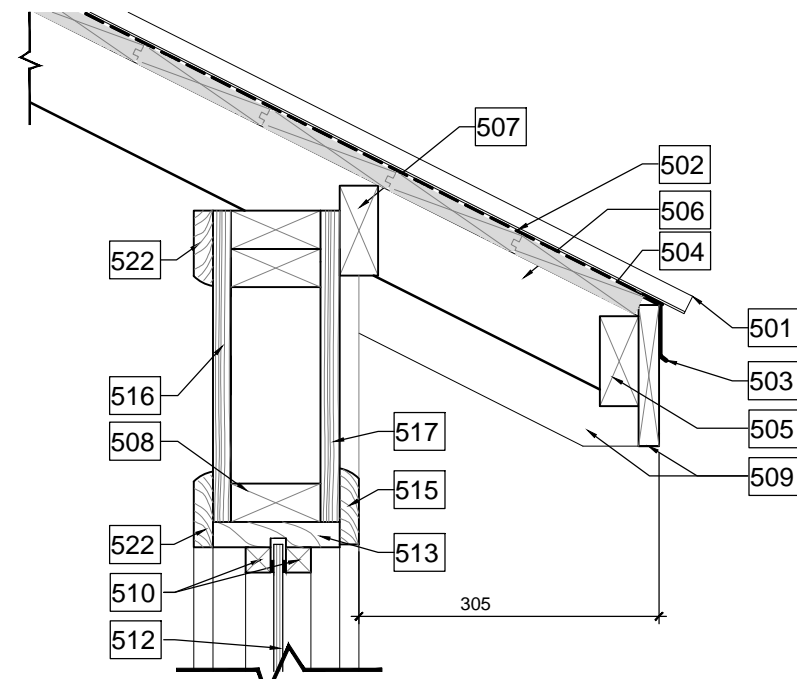
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dessiné par **K DORNER**

date **2013-08-21** scale **AS NOTED**
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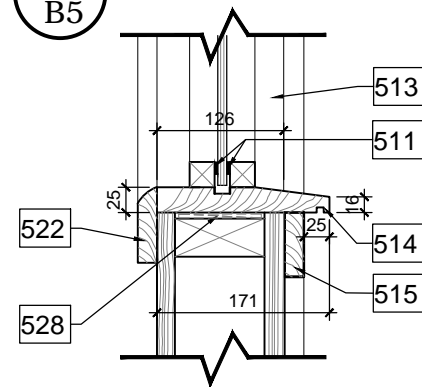
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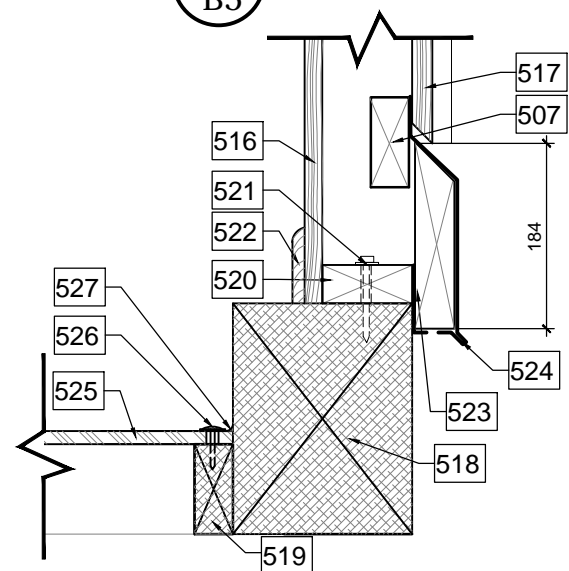
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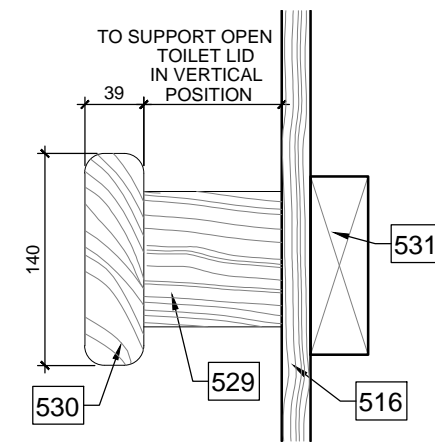
1 SECTION DETAIL AT EAVE/ WINDOW HEAD
B5 1:7.5



2 SECTION DETAIL AT WINDOW SILL
B5 1:7.5



3 SECTION DETAIL AT FLOOR/WALL JUNCTION
B5 1:7.5



4 BACK REST DETAIL
B5 1:5

NOTES: DRAWING B5

- 501 Prefinished metal roof
- 502 Self-adhesive waterproofing membrane
- 503 Prefinished metal drip edge flashing
- 504 19 x 140 tongue & groove cedar roof deck
- 505 38 x 89 wood subfascia
- 506 38 x 89 wood rafter c/w birdsmouth notch
- 507 38 x 89 wood blocking between rafters
- 508 wood 38 x 89
- 509 19 x 140 cedar fascia
- 510 25 x 25 cedar glazing stops
- 511 3mm x 13mm closed cell neoprene gasket tape around entire perimeter of glazing panel
- 512 Translucent plastic glazing - size panel to allow 6mm expansion space between panel edges and wood frame
- 513 25 x 126 cedar window jamb
- 514 Cedar window sill, beveled and undercut for drip edge
- 515 19 x 64 cedar trim
- 516 19 x 140 T&G v-joint pine
- 517 19 x 140 Cedar board & batten siding
- 518 178 x 229 reinforced recycled plastic perimeter beam
- 519 38 x 89 reinforced recycled plastic sleeper joists
- 520 38 x 89 wall bottom plate
- 521 Pre-drill oversized holes in wood bottom plate and attach to plastic beam with galvanized lag bolts with washers
- 522 13 x 75 pine molding
- 523 38 x 184 bevelled cedar trim board
- 524 Prefinished metal flashing c/w drip edge
- 525 13mm textured HDPE flooring with shop-welded joints
- 526 Stainless steel screws c/w 19mm Ø stainless steel cup washer. Predrill oversized holes in HDPE flooring evenly spaced at ±300mm o.c. and attach to structure below at PERIMETER OF FLOOR ONLY.
- 527 Polyurethane sealant at floor perimeter joint between HDPE flooring and plastic beam
- 528 Cedar shims
- 529 89 x 89 cedar block
- 530 38 x 140 x 140 cedar plate, corners rounded and bullnose edges
- 531 Minimum 38 x 140 solid blocking

GENERAL NOTES

- A - It is the contractor's responsibility to verify all dimensions on site. Do not scale drawings.
- B - All work to be in conformance with *CAN/CSA-B651-12 Accessible Design for the Built Environment*.
- C- Provide temporary interior and exterior diagonal bracing for stability during transport
- D - No plywood, OSB or other manufactured wood products may be used.
- E - Refer to specifications for details regarding materials and finishes.

issued or revised / émis ou révisé		
no.	description	date
3	FOR TENDER	2013-12-03
2	FOR TRANSLATION	2013-11-14
1	FOR COST ESTIMATE	2013-08-21

project / projet

**UNIVERSAL ACCESS
OUTHOUSE**

drawing / dessin

**TYPE "B"
DETAILS**

approved by / approuvé par

designed by / conçu par

drawn by / dessiné par

K DORNER

date / date
2013-08-21

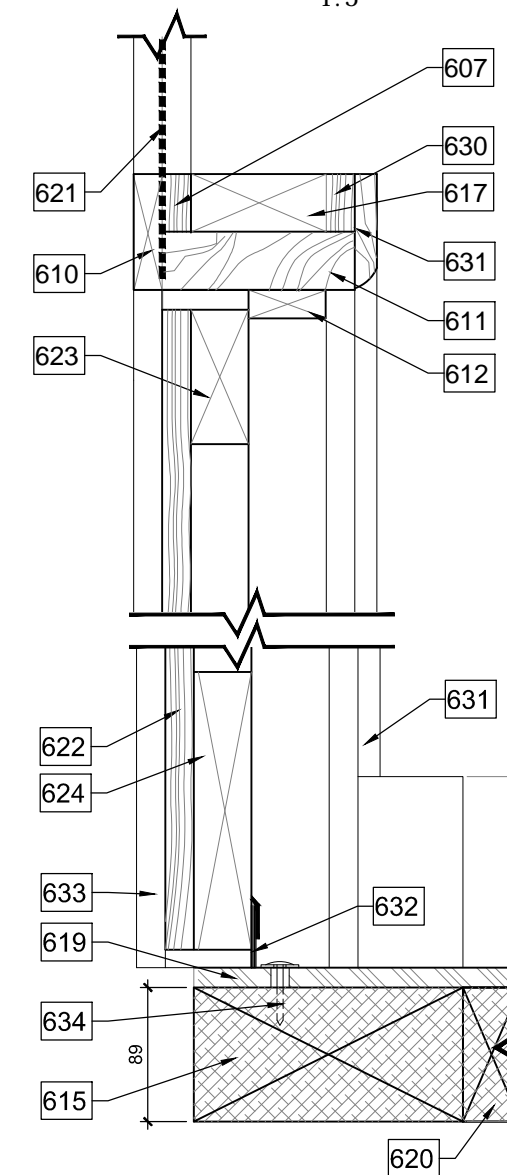
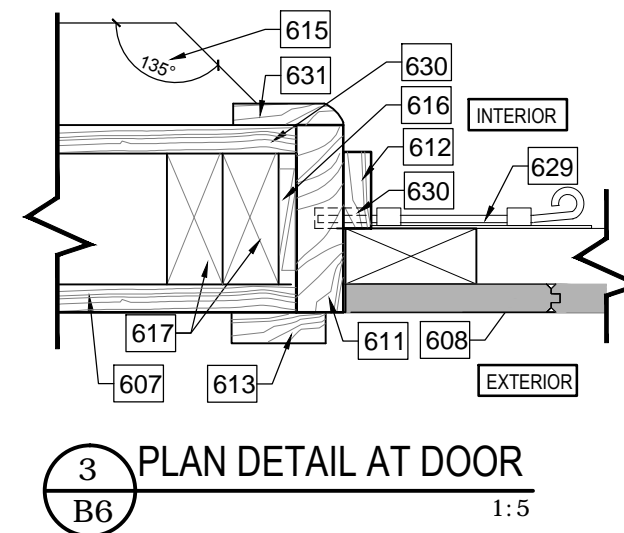
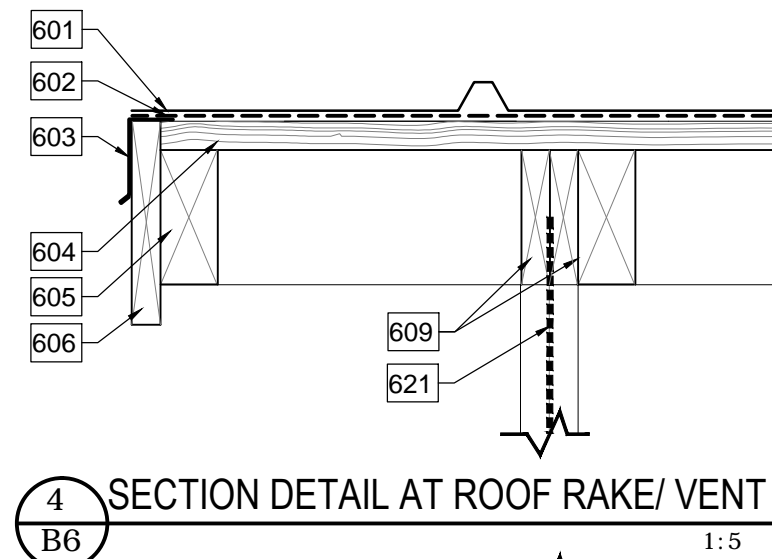
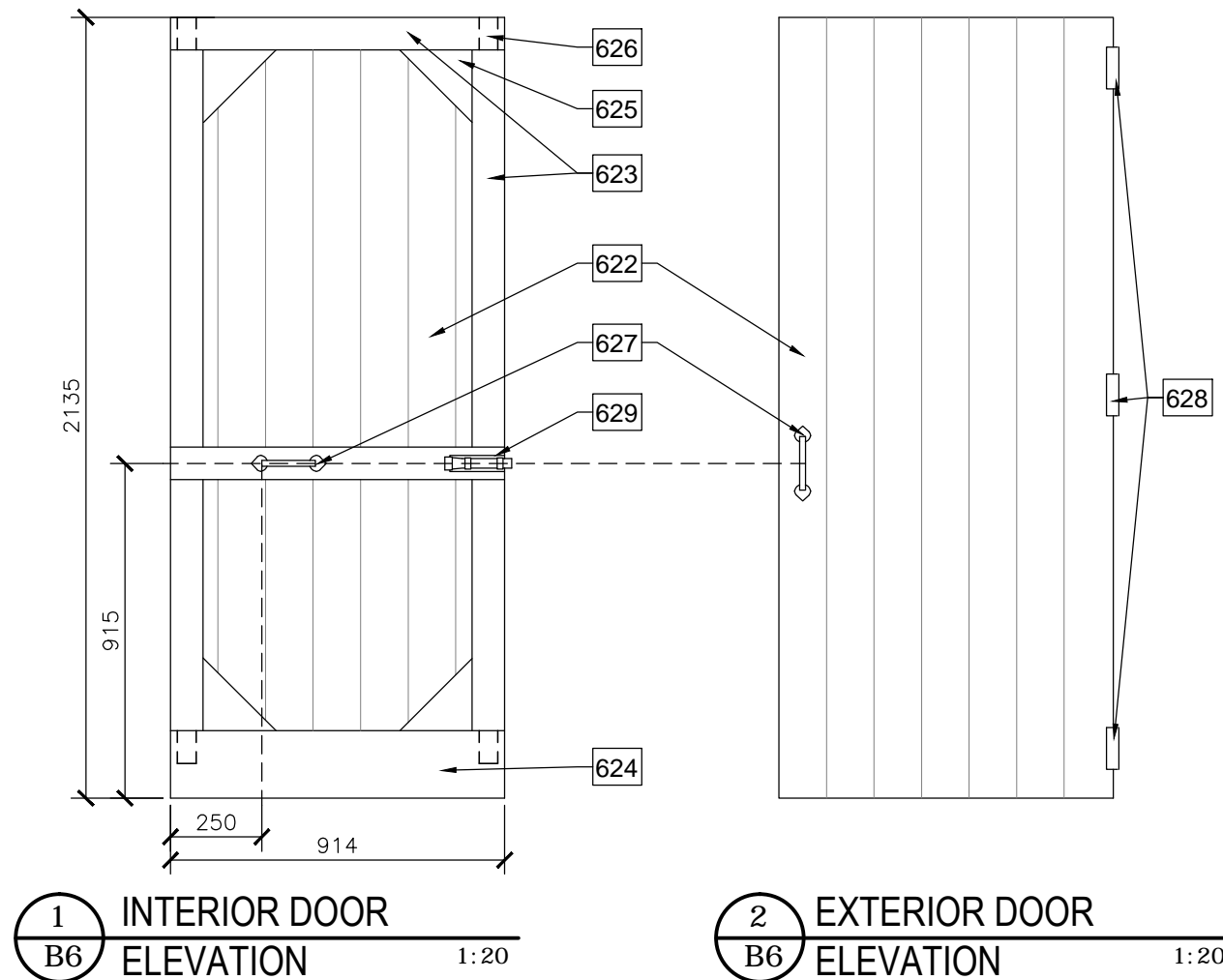
NCC project no. / no. du projet de la CCN

scale / échelle
1:5

sheet no. / no. de la feuille

DC3000-10

B-6



NOTES: DRAWING A6

- 601 Prefinished metal roof
- 602 Self-adhesive waterproofing membrane
- 603 Prefinished metal drip edge flashing
- 604 19 x 140 tongue & groove cedar roof deck
- 605 39 x 89 rafters
- 606 19 x 140 cedar fascia
- 607 Board & batten cedar siding
- 608 Wood door
- 609 19 x 89 cedar blocking and trim
- 610 19 x 75 cedar trim
- 611 38 x 127 mm cedar door jamb
- 612 19 x 51mm cedar door stop
- 613 19 x 64 cedar trim
- 614 Reserved
- 615 178 x 229 reinforced recycled plastic perimeter beam, notched and bevelled at door opening

- 616 Cedar shims
- 617 38 x 89 wood framing
- 618 Reserved
- 619 3mm textured HDPE flooring with shop-welded joints
- 620 38 x89 reinforced recycled plastic sleeper joists
- 621 Stainless steel expanded metal vent
- 622 Door panelling - 19 x 140mm V-joint T&G cedar
- 623 38 x 89 cedar rails and stiles
- 624 38 x 184 cedar bottom rail
- 625 38 x 140 diagonal braces
- 626 Mortise & tenon joint (typical)
- 627 D-pull door handle
- 628 Spring hinges
- 629 Sliding latch

- 630 Interior 19mm pine T&G panelling
- 631 13mm x 75mm pine moulding
- 632 Door sweep
- 633 Cedar trim (beyond)
- 634 Stainless steel screws c/w 19mm Ø stainless steel finishing washer.
- 635 Slot in door stop and door jamb adjacent to sliding latch. Height of slot to extend 25mm above and below the latch tongue. Depth to accommodate tongue when fully engaged.

GENERAL NOTES

- A - It is the contractor's responsibility to verify all dimensions on site. Do not scale drawings.
- B - All work to be in conformance with *CAN/CSA-B651-12 Accessible Design for the Built Environment*.
- C - Provide temporary interior and exterior diagonal bracing and base for stability during transport
- D - No plywood, OSB or other manufactured wood products may be used.
- E - Refer to specifications for details regarding materials and finishes.

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émis ou révisé

no.	description	date
3	FOR TENDER	2013-12-03
2	FOR TRANSLATION	2013-11-04
1	FOR REVIEW	2013-10-10

project
projet

**UNIVERSAL ACCESS
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drawing
dessin

TYPE "B"

**SCHEMATIC INSTALLATION
DRAWINGS**

approved by
approuvé par

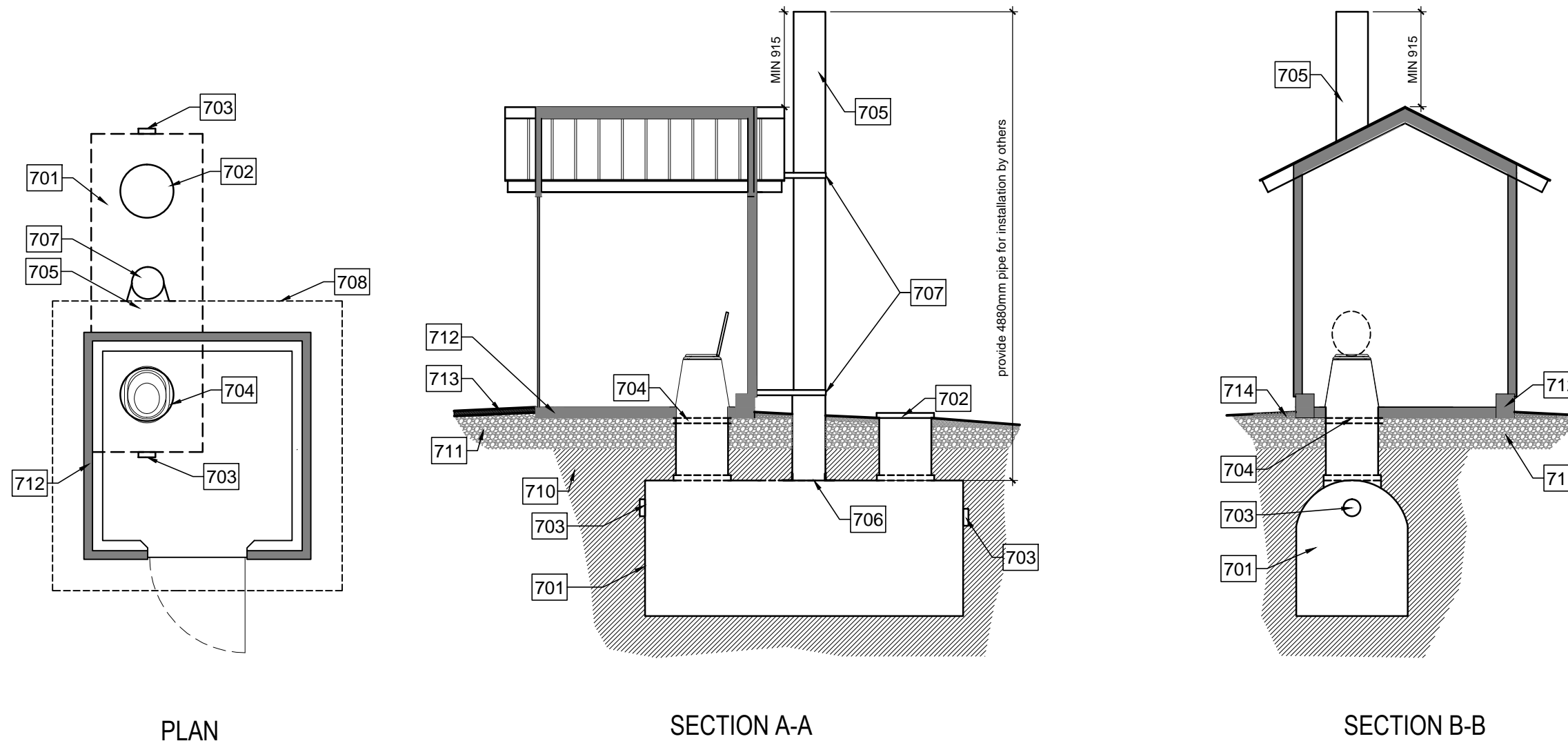
designed by
conçu par

drawn by
dessiné par **K DORNER**

date
2013-10-10 scale
échelle **1:50**

NCC project no.
no. du projet de la CCN sheet no.
no. de la feuille

DC3000-10 **B7**



1
B7

SCHEMATIC INSTALLATION DRAWINGS (FOR INFORMATION ONLY)

NOTES: DRAWING B7

- 701 - Plastic holding tank
- 702 - Tank cleanout riser with cover
- 703 - Cap and seal outlets at ends of tank
- 704 - Waterless toilet unit positioned above tank riser
- 705 - 305mmØ black HDPE vent pipe, extending from top of tank to 915mm above roof peak
- 706 - Cut hole in top of tank to accommodate vent pipe. Clamp and seal vent pipe to tank.
- 707 - Galvanized vent stack braces, Selkirk Wall Band 10S-WB or approved equivalent

- 708 - Edge of roof above
- 709 - Reserved.
- 710 - Bedding and backfill material as per tank manufacturer's requirements
- 711 - Compacted granular fill
- 712 - Recycled plastic timber floor structure
- 713 - Edge of pathway flush with floor at door opening, with 2% slope away from building
- 714 - Slope finished grade away from building.