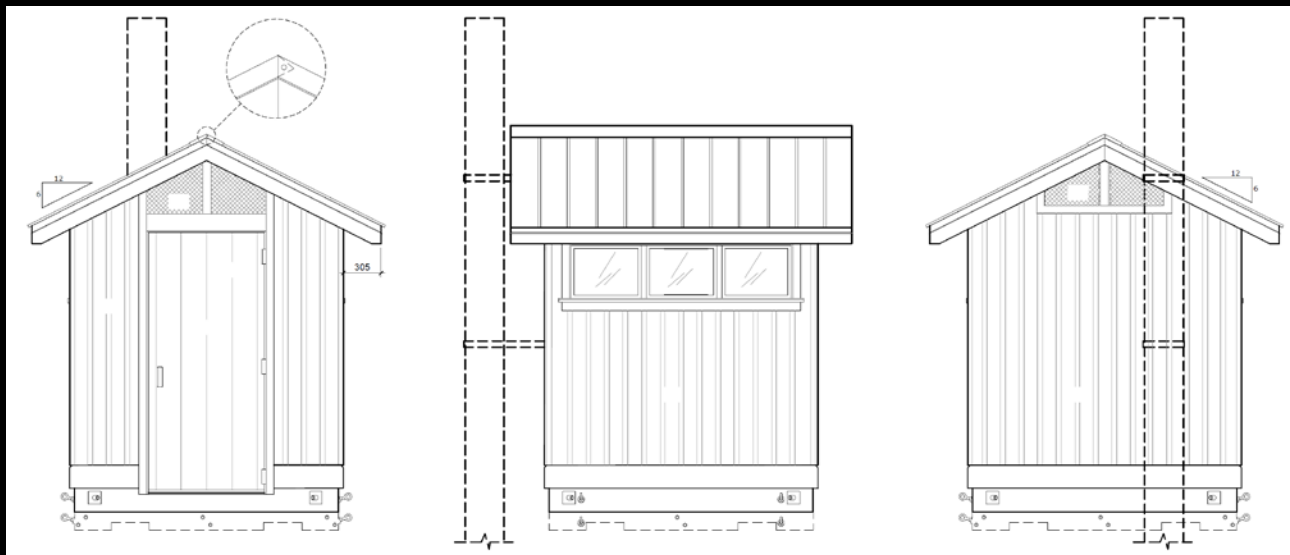


# PREFABRICATION OF OUTHOUSES

for

## GREENBELT AND GATINEAU PARK



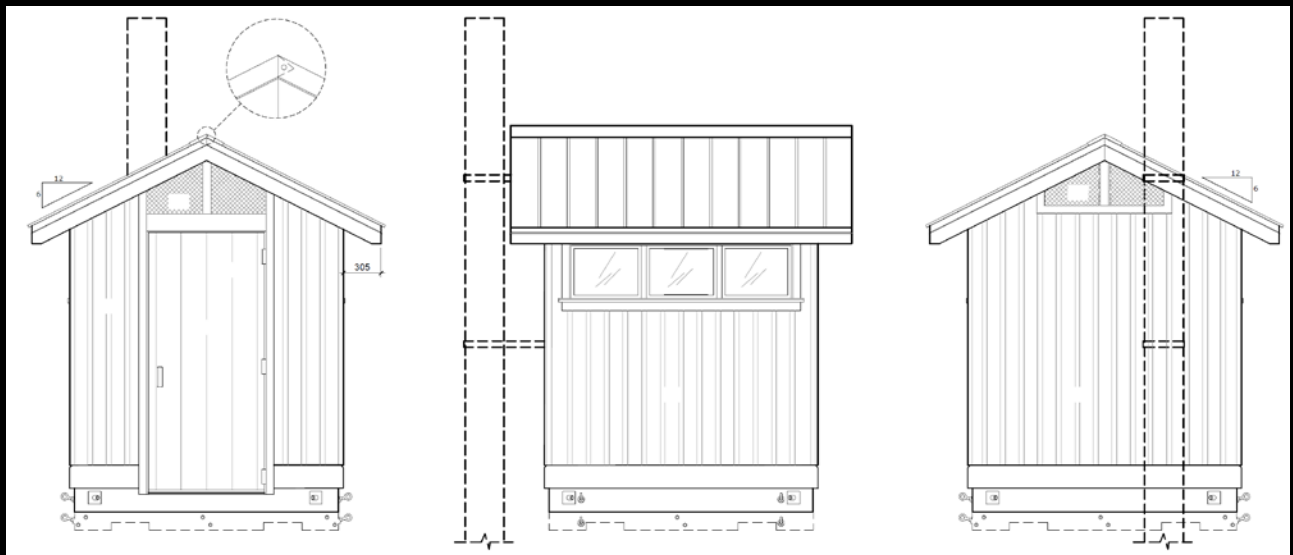
DESIGN AND CONSTRUCTION DIVISION  
JANUARY 2015  
DC 2000-7

NCC TENDER FILE #: AL1630  
SITE VISIT: Not Applicable

**TENDER CLOSING DATE: January 20, 2016 at 3:00 p.m.**

# PRÉFABRICATION DES TOILETTES

POUR LA CEINTURE DE VERDURE  
ET LE PARC DE LA GATINEAU



DIVISION DU DESIGN ET CONSTRUCTION  
JANVIER 2015  
DC 2000-7

DOSSIER DE SOUMISSION DE LA CCN NO. : AL1630  
VISITE DE CHANTIER: sans objet

DATE DE CLÔTURE DE LA SOUMISSION: le 20 janvier 2016 à 15h00

# INVITATION TO TENDER

## Tender / Contract Form

NCC TENDER FILE #:

**AL1630**

<p><b>ADDRESS INQUIRIES TO:</b> Allan Lapensée, Sr. Contract Officer (613) 239-5678 ext 5051 tel. <a href="mailto:allan.lapensee@ncc-ccn.ca">allan.lapensee@ncc-ccn.ca</a></p>	<p><b>CONTRACT NO.:</b> (NCC use only)</p>
<p><b>BID CLOSING DEADLINE:</b> January 20, 2016 at 3:00pm Ottawa time</p>	
<p><b>RETURN ORIGINAL</b> Submit tender on this tender / contract form and return to: →</p>	<p><b>National Capital Commission Procurement Services 40 Elgin Street, room 202 (mailroom) on the 2ND floor from 8am to 4 pm Ottawa, ON K1P 1C7 Reference NCC tender file # AL1630</b></p>
<p><b>DESCRIPTION OF GOODS:</b></p> <p>Supply &amp; deliver F.O.B. Destination:</p> <p>Package 'A' – Ontario Supply, fabricate and deliver FOB Destination THREE (3) universally accessible (UA) toilets</p> <p>AND</p> <p>Package 'B' - Quebec Supply, fabricate and deliver FOB Destination ONE (1) non-UA toilet and vent pipe</p>	<p><b>DELIVERY LOCATION:</b></p> <p>F.O.B. Destination:</p> <p>2 locations:</p> <ol style="list-style-type: none"> <li>Three UA units at 1740 Woodroffe Avenue, Ottawa, ON</li> </ol> <p>AND</p> <ol style="list-style-type: none"> <li>One non-UA unit at the Crawley Depot in Gatineau Park, Chelsea, QC</li> </ol>

# INVITATION TO TENDER

## Tender / Contract Form

NCC TENDER FILE #:

**AL1630**

### I. OFFER

The undersigned bidder (hereinafter called the “Contractor”) hereby offers to the National Capital Commission (hereinafter called the “Commission” or the “NCC”) to supply & deliver the goods/services in accordance with the specification, terms and conditions, and, deliver the goods **for the all inclusive lump sum and/or unit price(s) as set out in section III herein.**

### II. GENERAL AGREEMENT The Contractor agrees:

1. to deliver the goods no later than March 26<sup>th</sup>, 2016.
2. **to provide at his own cost the following securities:**
  - (a) **with your tender** to ensure entry into a contract a bid bond from an acceptable company, a certified cheque made payable to the National Capital Commission, or, "Cash" in the amount of 10% of the bid amount including taxes.
  - (b) upon notification of acceptance of tender, a Performance Bond for 50% of the value of the contract and a Payment of Labour and Material Bond for 50% of the value of the contract, or, "Cash or Certified Cheque" in the amount of 20% of the bid amount including taxes;
3. that this Offer and Agreement, together with the Specification, the Instructions to Bidders, the General Conditions on Goods Contracts and any and all attachments and addenda issued thereto, shall be and are the complete tender and this offer is made subject to the provisions contained therein.
4. that this offer supersedes and cancels all communications, negotiations and agreements relating to the work other than contained in the complete tender and is irrevocable for 30 days from the Tender Closing Time shown hereon and in the event that security is provided with this tender, it will be forfeited if the Contractor refuses a contract if this tender is accepted and executed on behalf of the Commission.
5. that the complete tender together with and subject to all the provisions contained therein shall, when accepted and executed on behalf of the Commission, constitute a binding contract between the Contractor and the Commission.

# INVITATION TO TENDER

## Tender / Contract Form

NCC TENDER FILE #:

**AL1630**

III. The Contractor agrees that the following is(are) the all inclusive lump sum and/or unit price(s) referred to in Clause I:

ITEM DESCRIPTION	Unit Price (incl. transportation) (in Cdn \$)	x quantity of units	SUB-TOTAL	Ontario HST 13%	Quebec sales taxes GST/QST 14.975 %	TOTAL (in Cdn \$)
<b>Package 'A' – Ontario</b> Supply, fabricate and deliver FOB Destination <u>three (3)</u> universally accessible (UA) toilets		x 3 units				
<b>Package 'B' - Quebec</b> Supply, fabricate and deliver FOB Destination <u>one (1)</u> non-UA toilet and vent pipe		x 1 unit				
<b>TOTALS (in Cdn \$)</b>						

**Basis of award will be the bidder who meets all of the mandatory requirements, the terms and conditions, and, who offers the NCC the lowest grand total amount including taxes. Lowest or any tender NOT necessarily accepted. The NCC also reserves the right to cancel this tender and/or re-issue the tender in its original or revised form, and, to negotiate with the successful bidder and/or all bidders.**

### IV. INVOICING

- The Contractor will have the right to receive payments within 30 days after the technical representative has delivered a certificate indicating that in fact the invoice is authentic and exact, that the Contractor has delivered the said goods/services and has observed the terms of the contract.
- The Commission is a Crown Corporation subject to the Goods and Services Tax (GST) and the Provincial Sales Tax (OHST or QST). The Contractor is required to indicate separately, with the request for payment, the amount of GST and OHST/QST, to the extent applicable, that the Commission will pay. These amounts will be paid to the Contractor who will be required to make the appropriate remittances to Revenue Canada and the respective provincial governments. The successful bidder must complete in its entirety the T1204 tax form before awarded a contract.
- All invoices are to make reference to the **Commission Contract Number xxxxxx (6 digit number on page 1 once a contract is executed between the Contractor and the Commission)** and be forwarded in triplicate to:  
Accounts Payable  
National Capital Commission  
3<sup>rd</sup> floor  
40 Elgin Street  
Ottawa, Ontario

# INVITATION TO TENDER

## Tender / Contract Form

NCC TENDER FILE #: **AL1630**

K1P 1C7

or forward one invoice in Adobe (.pdf) format by email at [payables@ncc-ccn.ca](mailto:payables@ncc-ccn.ca).

- To ensure prompt payment, please prepare your invoice in accordance with the price(s) quoted. Errors in invoicing can cause delay of payment. Submit your invoice to the address shown above and clearly indicate the contract number.

V. Enquiries regarding this tender must be submitted in writing to the Senior Contract Officer as early as possible within the solicitation period. Enquiries should be received no later than five (5) business days prior to the date set for solicitation closing to allow sufficient time to provide a response. Enquiries received after that time may result in an answer not being provided. To ensure consistency and quality of the information provided to Bidders, the Senior Contract Officer shall examine the content of the enquiry and shall decide whether or not to issue an amendment. All enquiries and other communications related to this tender sent throughout the solicitation period are to be directed **ONLY** to the Senior Contract Officer. Non-compliance with this requirement during the solicitation period can, for that reason alone, result in disqualification of a tender.

### VI. ADDENDUM ACKNOWLEDGEMENT

I/We acknowledge receipt of the following addenda \_\_\_\_\_ (Bidder to enter number of addenda issued, if any) and have included for the requirement of it/them in my/our tendered price.

**We hereby OFFER to sell and/or supply to the National Capital Commission upon the terms and conditions set out herein, the supplies and/or services listed above and on any attached sheets at the submitted price(s).**

Name and address of Contractor :	Signature(s)
	Title:
	Date:
	Witness(s)
Tel-Tél:	
Fax-Télécopieur:	Date:

Accepted & executed on behalf of the Commission this \_\_\_\_\_ day of \_\_\_\_\_, 2016 in the presence of

COMMISSION USE ONLY NCC SIGNATURE ONLY	TITLE	WITNESS(S)

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## GOODS CONTRACTS Instructions to Tenderers

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### 1. Addressing

The tender envelope shall be addressed to Finance and Procurement Services, National Capital Commission, 40 Elgin Street, 3rd floor, Info-Centre, Ottawa, Ontario K1P 1C7.

The name and address of the tenderer and the due time and date of the tender shall be clearly shown on the envelope.

### 2. Delivery of Tenders

Tenders must be received by the National Capital Commission on or before the exact time and date set for their reception. Care must be taken to mail or deliver tenders in good time as tenders received after the specified time and date will not be accepted or considered and will be returned unopened.

### 3. Unacceptable Tenders

Tenders not submitted on the accompanying Tender and Contract form.

Faxed tenders and tenders by e-mail unless otherwise stated.

Tenders received after the tender closing date and time.

Incomplete tenders may be rejected.

Unsigned tenders shall be subject to disqualification.

### 4. Revision of Tenders

The tenderer may revise his tender by fax, letter or telegram, provided it is received before the tender closing date and time.

Faxes or letters must clearly indicate required changes.

### 5. Acceptance of Offer

The lowest or any tender not necessarily accepted.

### 6. Completion of Tender and Contract Form

Insert the price per unit against each item, multiply by the respective estimated quantity, extend the answers in the Total column and apply GST and PST where applicable before calculating Total Amount.

PST is calculated on applicable Provincial legislation at the delivery location.

Type or legibly print the tenderer's full business name, address and telephone number under the spaces provided for the Contractor's Full Business Name and Contractor's Business Address respectively.

Sign the Tender /Contract form in the space provided as indicated below.

The tender must be signed by a duly authorized signing officer of the Company in his/her normal signature designating against his/her signature the official capacity in which the signing officer acts. the corporate seal of the company, if any, must also be affixed to the tender.

Do not make any entry in the signature section marked for Commission use only.

Tenders are to be submitted in two copies, duly completed in the enveloped provided. The tenderer should retain the third copy of the tender for his record.

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## GENERAL TERMS & CONDITIONS GOODS

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1. This order, including these general terms and conditions, forms the entire contract between the Commission and the contractor and no variation thereof, irrespective of the wording or terms of the contractor's acceptance, will be effective unless specifically agreed to in writing by the Commission. No local, general or trade customs shall be deemed to vary the terms thereof. Where the context requires, the word "goods" is to be read as including services.
2. Goods will be received by the Commission subject to final inspection and acceptance by the consignee, specified in this order and if not so specified, by any person authorized by the Commission. Goods found to be defective or not in compliance with the specifications may be returned to the contractor at the contractor's expense.
3. In supplement of and not by way of substitution for the terms of the specifications or any warranty stipulated or implied by law and notwithstanding prior acceptance by the Commission the contractor shall at any time within its standard warranty period, at its own expense replace any goods which are or become defective as a result of faulty or inefficient manufacture, materials or workmanship. The contractor shall state its standard warranty period and related terms and conditions at the time of delivery.
4. The contractor warrants that it has the right to use and sell any patented devices or parts used in the goods purchases and agrees to indemnify the Commission against any claims for royalties, license fees and other claims or demands by reason of the use or sale thereof, whether or not any such devices or parts are specified by the Commission or used by the contractor in the goods purchases without such specifications.
5. The goods shall be at the risk of the contractor who shall bear all loss or damage, from whatsoever cause arising which may occur to the goods, or any part thereof, until delivered to the Commission. The Commission reserves the right to change the place of delivery at any time prior to the actual shipment provided that the contractor shall be entitled to be reimbursed for any actual increased costs, or shall reduce the prices to the extent of any decrease cost arising out of such change.
6. Goods must be new and unused unless specified otherwise herein and delivered strictly in accordance with the quantities, specifications, terms and conditions of this order. Time shall be of the essence of this order.
7. The charges are F.O.B. destination and include all charges for packing, loading, unloading and transportation unless otherwise specified herein. Should the contractor prepay transportation charges which are payable by the Commission under the terms of this contract these charges are to be shown as a separate item on the invoice.
8. If carload shipment, shipping notices must be sent immediately to the Commission showing car number, initial and routing. Car service will be deducted from all cars that reach the Commission without shipping notice.
9.
  - i) The Chairman may, by giving notice to the Contractor, terminate or suspend the goods/services to be supplied with respect to all or any part or parts not completed/received.



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## GENERAL TERMS & CONDITIONS

### GOODS

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- ii) All goods/services completed/received by the Contractor to the satisfaction of the commission before the giving of such notice shall be paid for by the Commission in accordance with the provisions of the contract and, for all goods/services not completed/received before the giving of such notice, the Commission shall pay the Contractor's costs as determined under the provisions of the contract and, in addition, an amount representing a fair and reasonable fee in respect of such goods/services.
  - iii) The Commission reserves the right to cancel or purchase elsewhere, any portion of this order that is not delivered by the date required by this order.
10. Unless otherwise specified in this order, payment will only be made in Canadian funds within 30 days following presentation of invoices or progress claims forms or within 30 days of delivery of the goods, whichever is later. Discounts will be calculated from the date when both the goods and acceptable invoices or progress claims forms are received by the Commission.
  11. The total dollar amount shown on this order is final and unless otherwise specified herein includes all applicable Taxes (GST and PST) and duties.
  12. No member of the House of Commons of Canada shall be admitted to any share or part of this contract or any benefits to arise therefrom.
  13. This agreement shall ensure to the benefit of, and shall be binding upon the successors and assigns of the Commission and the contractor respectively, provided that the contractor shall not assign this agreement or any part of the development without prior written consent of the Commission, and any assignment made without such consent shall be of no effect.
  14. All specifications, drawings, samples, patterns and dies furnished to the contractor by the Commission for use in respect of the order shall be deemed to be owned by the Commission and shall be returned to the Commission at the expense of the contractor when required.
  15. WHMIS Regulations apply to Controlled Products.

# BID BOND

Bond Number \_\_\_\_\_

Amount \$ \_\_\_\_\_

**KNOW ALL MEN BY THESE PRESENTS**, that \_\_\_\_\_ as Principal, hereinafter called the Principal, and \_\_\_\_\_ as Surety, hereinafter called the Surety, are, subject to the conditions hereinafter contained, held and firmly bound unto the National Capital Commission as Obligee, hereinafter called the NCC, In the amount of \_\_\_\_\_ dollars (\$ \_\_\_\_\_), lawful money of Canada, for the payment of which sum, well and truly to be made, the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**SIGNED AND SEALED** this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_. WHEREAS, the Principal has submitted a written tender to the NCC, dated the \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, for: \_\_\_\_\_.

**NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION** are such that if:

- (a) The Principal, should his tender be accepted within the period be specified by the NCC, or, if no period be specified, within sixty (60) days after closing date of the tender:
  - 1. does execute within a period specified by the NCC, or, if no period be specified therein, within fourteen (14) days after the prescribed forms are presented to him for signature, execute such further contractual documents, if any, as may be required by the terms of the tender as accepted; and does
  - 2. furnish a Performance Bond and a Labour and Material Payment Bond, each in the amount of 50% of the Contract price and satisfactory to the NCC, or other security acceptable to the NCC; or
- (b) the Principal does pay to the NCC the difference between the amount of the Principal's tender and the amount of the Contract entered into by the NCC for the work, supplies and services which were specified in the said tender, if the latter amount be in excess of the former,

then, this obligation shall be void; otherwise it shall remain in full force and effect.

**PROVIDED, HOWEVER**, that the Surety and the Principal shall not be liable to the NCC for an amount greater than the amount specified in the bond.

**PROVIDED FURTHER** that the Surety shall not be subject to any suit or action unless such suit or action is instituted and process therefore served upon the Surety at its Head Office in Canada, within twelve (12) months from the date of this bond.

**IN TESTIMONY WHEREOF**, the Principal has hereto set its hand and affixed its seal, and the Surety has caused these presents to be sealed with its corporate seal duly attested by the signature of its authorized signing authority, the day and first above written.

**SIGNED, SEALED AND DELIVERED in the presence of:**

Principal \_\_\_\_\_

Witness \_\_\_\_\_

Surety \_\_\_\_\_

Note: Affix Corporate seal if applicable.

# PERFORMANCE BOND

Bond Number \_\_\_\_\_

Amount \$ \_\_\_\_\_

**KNOW ALL MEN BY THESE PRESENTS**, that \_\_\_\_\_ as Principal,  
hereinafter called the Principal, and \_\_\_\_\_ as Surety, hereinafter

called the Surety, are, subject to the conditions hereinafter contained, held and firmly bound unto the National Capital Commission as

Obligee, hereinafter called the NCC, In the amount of \_\_\_\_\_ dollars

(\$ \_\_\_\_\_), lawful money of Canada, for the payment of which sum, well and truly to be made, the Principal and the

Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**SIGNED AND SEALED** this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_. WHEREAS, the Principal has

entered into a Contract with the NCC, dated the \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_,

for: \_\_\_\_\_.

**NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION** are such that if the Principal shall well and faithfully observe and perform all the obligations on the part of the Principal to be observed and performed in connection with the Contract, then this obligation shall be void, otherwise it shall remain in full force and effect, subject, however, to the following conditions:

1. Whenever the Principal shall be, and declared by the NCC to be, in default under the Contract, the Surety shall
  - (a) if the work is not taken out of the Principal's hands, remedy the default of the Principal,
  - (b) if the work is taken out of the Principal's hands and the NCC directs the Surety to undertake the completion of the work, complete the work in accordance with the Contract provided that if a contract is entered into for the completion of the work,
    - (i) it shall be between the Surety and the completing contractor, and
    - (ii) the selection of such completing contractor shall be subject to the approval of the NCC,
  - (c) if the work is taken out of the Principal's hands and the NCC, after reasonable notice to the Surety, does not direct the Surety to undertake the completion of the work, assume the financial responsibility for the cost of completion in excess of the moneys available to the NCC under the Contract,
  - (d) be liable for and pay all the excess costs of completion of the Contract, and
  - (e) not be entitled to any Contract moneys earned by the Principal, up to the date of his default on the Contract and any holdbacks relating to such earned Contract moneys held by the NCC, and the liability of the Surety under this Bond shall remain unchanged provided, however, and without restricting the generality of the foregoing, upon the completion of the Contract to the satisfaction of the NCC, any Contract moneys earned by the Principal or holdbacks related thereto held by the NCC may be paid to the Surety by the NCC.
2. The Surety shall not be liable for a greater sum than the amount specified in this Bond.
3. No suit or action shall be instituted by the NCC herein against the Surety pursuant to these presents after the expiration of two (2) years from the date on which final payment under the Contract is payable.

**IN TESTIMONY WHEREOF**, the Principal has hereto set its hand and affixed its seal, and the Surety has caused these presents to be sealed with its corporate seal duly attested by the signature of its authorized signing authority, the day and year first above written.

**SIGNED, SEALED AND DELIVERED in the presence of:**

Principal \_\_\_\_\_

Witness \_\_\_\_\_

Surety \_\_\_\_\_

Note: Affix Corporate seal if applicable.

# LABOUR AND MATERIAL PAYMENT BOND

Bond Number \_\_\_\_\_

Amount \$ \_\_\_\_\_

**KNOW ALL MEN BY THESE PRESENTS**, that \_\_\_\_\_ as Principal,  
hereinafter called the Principal, and \_\_\_\_\_ as Surety, hereinafter

called the Surety, are, subject to the conditions hereinafter contained, held and firmly bound unto the National Capital Commission as Oblige, hereinafter called the NCC, In the amount of \_\_\_\_\_ dollars

(\$ \_\_\_\_\_), lawful money of Canada, for the payment of which sum, well and truly to be made, the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**SIGNED AND SEALED** this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ . WHEREAS, the Principal has entered into a Contract with the NCC, dated the \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, for: \_\_\_\_\_

\_\_\_\_\_ which contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

**NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION** are such that, if payment is promptly made to all Claimants who have performed labour or services or supplied material in connection with the Contract and any and all duly authorized modifications and extensions of the Contract that may hereafter be made, notice of which modifications and extensions to the Surety being hereby waived, then this obligation shall be void; otherwise it shall remain in full force and effect, subject, however, to the following conditions:

1. For the purpose of this bond, a Claimant is defined as one having a direct contract with the Principal or any Sub-Contractor of the Principal for labour, material or both, used or reasonably required for use in the performance of the Contract, labour and material being construed to include that part of water, gas, power, light, heat, oil, gasoline, telephone services or rental of equipment (but excluding rental of equipment where the rent pursuant to an agreement is to be applied towards the purchase price thereof) directly applicable to the Contract.
2. For the purpose of this Bond, no payment is required to be made in respect of a claim for payment for labour or services performed or material supplied in connection with the Contract that represents a capital expenditure, overhead or general administration costs incurred by the Principal during the currency or in respect of the Contract.
3. The Principal and the Surety hereby jointly and severally agree with the NCC that if any Claimant has not been paid as provided for under the terms of his contract with the Principal or a Sub-Contractor of the Principal before the expiration of a period of ninety (90) days after the date on which the last of such Claimant's labour or service was done or performed or materials were supplied by such Claimant, the NCC may sue on this bond, have the right to prosecute the suit to final judgment for such sum or sums as may be due and have execution thereon; and such right of the NCC is assigned by virtue of Part VIII of the Financial Administration Act to such Claimant.
4. For the purpose of this bond the liability of the Surety and the Principal to make payment to any claimant not having a contract directly with the Principal shall be limited to that amount which the Principal would have been obliged to pay to such claimant had the provisions of the applicable provincial or territorial legislation on lien or privileges been applicable to the work. A claimant need not comply with provisions of such legislation setting out steps by way of notice, registration or otherwise as might have been necessary to preserve or perfect any claim for lien or privilege which the claimant might have had. Any such claimant shall be entitled to pursue a claim and to recover judgment hereunder subject to the terms and notification provisions of the Bond.
5. Any material change in the Contract between the Principal and the NCC shall not prejudice the rights or interest of any Claimant under this Bond who is not instrumental in bringing about or has not caused such change.
6. No suit or action shall be commenced hereunder by any Claimant:
  - (a) Unless such Claimant shall have given written notice within the time limits hereinafter set forth to the Principal and the Surety above named, stating with substantial accuracy the amount claimed. Such notice shall be served by mailing the same by registered mail to the Principal and the Surety at any place where an office is regularly maintained for the transaction of business by such persons or served in any manner in which legal process may be served in the Province or other part of Canada in which the subject matter of the Contract is located. Such notice shall be given
  - (i) in respect of any claim for the amount or any portion thereof required to be held back from the Claimant by the Principal or by the Sub-Contractor of the Principal under either the terms of the Claimant's Contract with the Principal or the Claimant's Contract with the Sub-Contractor of the Principal within one hundred and twenty (120) days after such Claimant should have been paid in full under this Contract;

- (ii) in respect of any claim other than for the holdback or portion thereof referred to above within one hundred and twenty (120) days after the date upon which such Claimant did or performed the last of the service, work or labour or furnished the last of the materials for which such claim is made under the Claimant's Contract with the Principal or a Sub-Contractor of the Principal
  - (b) After the expiration of one (1) year following the date on which the Principal ceased work on the said Contract, including work performed under the guarantees provided in the Contract;
  - (c) Other than in a court of competent jurisdiction in the province or district of Canada in which the subject matter of the Contract or any part thereof is situated and not elsewhere, and the parties hereto hereby agree to submit to the jurisdiction of such court.
7. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder.
8. The Surety shall not be entitled to claim any moneys relating to the Contract and the liability of the Surety under this Bond shall remain unchanged and, without restricting the generality of the foregoing, the Surety shall pay all valid claims of Claimants under this Bond before any moneys relating to the Contract held by the NCC are paid to the Surety by the NCC.
9. The Surety shall not be liable for a greater sum than the amount specified in this bond.

**IN TESTIMONY WHEREOF**, the Principal has hereto set its hand and affixed its seal, and the Surety has caused these presents to be sealed with its corporate seal duly attested by the signature of its authorized signing authority, the day and year first above written.

**SIGNED, SEALED AND DELIVERED in the presence of:**

Principal \_\_\_\_\_

Witness \_\_\_\_\_

Surety \_\_\_\_\_

Note: Affix Corporate seal if applicable.

New supplier / Nouveau fournisseur  Update / Mise à jour

Supplier No. / N° du  
fournisseur

For NCC use only / À l'usage de  
la CCN seulement

**SUPPLIER-DIRECT DEPOSIT PAYMENT AND TAX INFORMATION FORM  
FOURNISSEUR-FORMULAIRE DE PAIEMENT PAR DÉPÔT DIRECT ET RENSEIGNEMENTS AUX FINS DE L'IMPÔT**

**PART 'A' - IDENTIFICATION / PARTIE 'A' - IDENTIFICATION**

Legal name of entity or individual / Nom légal de l'entité ou du particulier		Operating name of entity or individual (if different from Legal Name) / Nom commercial de l'entité ou du particulier (s'il diffère du nom légal)	
Former Public Servant in receipt of a PSSA Pension / Ancien fonctionnaire qui reçoit une pension en vertu de la LPFP		<input type="checkbox"/> Yes / Oui	<input type="checkbox"/> No / Non
An entity, incorporated or sole proprietorship, which was created by a Former Public Servant in receipt of a PSSA pension or a partnership made of former public servants in receipt of PSSA pension or where the affected individual has a controlling or major interest in the entity. / Une entité, constituée en société ou à propriétaire unique, créée par un ancien fonctionnaire touchant une pension en vertu de la LPFP, ou un partenariat formé d'anciens fonctionnaires touchant une pension en vertu de la LPFP, où les entités dans lesquelles ils détiennent le contrôle ou un intérêt majoritaire.		<input type="checkbox"/> Yes / Oui	<input type="checkbox"/> No / Non
Address / Adresse		Telephone No. / N° de téléphone :	Fax No. / N° de télécopieur :
Postal code / Code postal		( )	( )

**PART 'B' - STATUS OF SUPPLIER / PARTIE 'B' - STATUT DU FOURNISSEUR**

(1) Sole proprietor / Propriétaire unique <input type="checkbox"/>	If sole proprietor, provide: / Si propriétaire unique, indiquez :	Last Name / Nom de famille	First name / Prénom	Initial / Initiale
(2) Partnership / Société de personnes <input type="checkbox"/>	SIN - mandatory for (1) & (2) / NAS - obligatoire pour (1) & (2)	Corporation / Société <input type="checkbox"/>	Business No. (BN) / N° de l'entreprise (NE)	
GST/HST / TPS et TVH		QST / TVQ (Québec)		
Number / Numéro : _____		Number / Numéro : _____		
Not registered / non inscrit <input type="checkbox"/>		Not registered / non inscrit <input type="checkbox"/>		
Type of contract / Genre de contrat		Contract for goods only / Contrat de biens seulement <input type="checkbox"/>		
Contract for services only / Contrat de services seulement <input type="checkbox"/>		Contract for mixed goods & services / Contrat de biens et services <input type="checkbox"/>		
Type of goods and/or services offered / Genre de biens et/ou services rendus :				

**PART 'C' - FINANCIAL INSTITUTION / PARTIE 'C' - RENSEIGNEMENTS SUR L'INSTITUTION FINANCIÈRE**

Please send a void cheque with this form / Veuillez, s.v.p., envoyer un spécimen de chèque avec ce formulaire

Branch Number / N° de la succursale	Institution No. / N° de l'institution :	Account No. / N° de compte :
Institution name / Nom de l'institution :		Address / Adresse :
Postal Code / Code postal :		

**PART 'D' - DIRECT DEPOSIT PAYMENT NOTIFICATION / PARTIE 'D' - AVIS DE PAIEMENT PAR DÉPÔT DIRECT**

E-mail address / Adresse courriel :

**PART 'E' - CERTIFICATION / PARTIE 'E' - CERTIFICATION**

I certify that I have examined the information provided above and it is correct and complete, and fully discloses the identification of this supplier.	Je déclare avoir examiné les renseignements susmentionnés et j'atteste qu'ils sont exacts et constituent une description complète, claire et véridique de l'identité de ce fournisseur.		
Where the supplier identified on this form completes part C, he hereby requests and authorizes the National Capital Commission to directly deposit into the bank account identified in part C, all amounts payable to the supplier.	Lorsque le fournisseur indiqué sur ce formulaire remplit la partie C, par la présente, il demande et autorise la Commission de la capitale nationale à déposer directement dans le compte bancaire indiqué à la partie C, tous les montants qui lui sont dus.		
_____ Name of authorized person / Nom de la personne autorisée	_____ Title / Titre	_____ Signature	_____ Date
Telephone number of contact person / Numéro de téléphone de la personne ressource : ( )			

**IMPORTANT**

Please fill in and return to the National Capital Commission with one of your business cheque unsigned and marked « VOID » or a letter from your bank (for verification purposes).

Veillez remplir ce formulaire et le retourner à la Commission de la capitale nationale avec un spécimen de chèque de votre entreprise non signé et portant la mention « ANNULÉ » ou une lettre de votre banque (à des fins de vérification).

Mail or fax to: Procurement Assistant, Procurement Services  
National Capital Commission  
202-40 Elgin Street  
Ottawa, ON K1P 1C7 Fax: (613) 239-5007

Poster ou télécopier à : Assistant à l'approvisionnement  
Services de l'approvisionnement  
Commission de la capitale nationale  
40, rue Elgin, pièce 202  
Ottawa (Ontario) K1P 1C7 Télécopieur : (613) 239-5007

**SUPPLIER – DIRECT DEPOSIT PAYMENT AND TAX INFORMATION FORM**

**FOURNISSEUR – FORMULAIRE DE PAIEMENT PAR DÉPÔT DIRECT ET RENSEIGNEMENTS AUX FINS DE L'IMPÔT**

**Supplier Tax Information**

Pursuant to paragraph 221(1) (d) of the *Income Tax Act*, NCC must declare form T-1204, contractual payments of government for services, all payments made to suppliers during the calendar year in accordance to related service contracts (including contracts for mixed goods and services).

The paragraph 237(1) of the *Income Tax Act* and the article 235 of the Income Tax Regulations require the supplier to provide all necessary information below to the organization who prepares the fiscal information forms.

Questions: Sylvie Monette, Accounts Payable and Receivable Officer – (613) 239-5678, ext. 5156 or [sylvie.monette@ncc-ccn.ca](mailto:sylvie.monette@ncc-ccn.ca)

**Direct deposit payment information**

All amounts payable by NCC to the supplier will be deposited directly into the account you identified in part C. A NCC payment advice notice will also be sent to you by e-mail detailing the particularities of the payment to the address identified in part D.

You must notify the NCC of any changes to your financial institution, branch or account number. You will then have to complete a new form.

The account you identified has to hold Canadian funds at a financial institution in Canada.

**The advantages of direct deposit payment**

Direct deposit payment is a convenient, dependable, safe and timesaving way to receive your invoice payment. Direct deposit payment is completely confidential.

Funds made by direct deposit payment will be available in your bank account within two (2) days after receiving the NCC payment advice notice.

**Renseignements sur les fournisseurs aux fins de l'impôt**

En vertu de l'alinéa 221(1) (d) de la *Loi de l'impôt sur le revenu*, la CCN est tenu de déclarer, à l'aide du formulaire T-1204, Paiements contractuels de services du gouvernement, tous paiements versés aux fournisseurs pendant une année civile en vertu de marchés de services pertinents (y compris les marchés composés à la fois de biens et de services).

Le paragraphe 237 (1) de la *Loi de l'impôt sur le revenu* et l'article 235 du Règlement de l'impôt sur le revenu obligent les fournisseurs à fournir toutes les informations demandées ci-dessous à l'organisme qui prépare les formulaires de renseignements fiscaux.

Questions : Sylvie Monette, Agent aux comptes fournisseurs et comptes clients – (613) 239-5678, poste 5156 ou [sylvie.monette@ncc-ccn.ca](mailto:sylvie.monette@ncc-ccn.ca)

**Renseignements sur le paiement par dépôt direct**

Tous les montants versés par la CCN au fournisseur seront déposés directement dans le compte identifié à la partie C. Un avis de paiement de la CCN détaillant les particularités du paiement par dépôt direct vous sera envoyé par courriel à l'adresse courriel identifiée à la partie D.

Vous devez aviser la CCN de tout changement d'institution financière, de succursale ou de numéro de compte. Vous devrez donc remplir un nouveau formulaire.

Le compte que vous désignez doit être un compte en monnaie canadienne, détenu dans une institution financière au Canada.

**Avantages du paiement par dépôt direct**

Le paiement par dépôt direct est une méthode pratique, fiable et sécuritaire, qui permet de gagner du temps dans la réception de vos paiements de factures. Le paiement par dépôt direct est entièrement confidentiel.

Les paiements effectués par dépôt direct seront disponible dans votre compte bancaire dans un délai de deux (2) jours après que la CCN envoie l'avis paiement.

## **Part I – GENERAL REQUIREMENTS SECTION**

### **1.0 DESCRIPTION OF WORK**

- .1 The work of this contract is described by:**
  - General Requirements (7 pages)
  - Package “A”: Drawings A1- A9 and SA1
  - Package “B”: Drawings B1- B9 and SB1
- .2 This contract consists of:**
  - .1 Prefabrication:** supply material, equipment and labour for the prefabrication of portable, wood construction outhouses: THREE universally accessible units (Package “A”) and ONE standard-size unit (Package “B”).
  - .2 Delivery:** Deliver the prefabricated outhouses to two separate locations: THREE Package “A” outhouses to the National Capital Commission Woodroffe Depot at 1740 Woodroffe Avenue (corner of Hunt Club), Ottawa, Ontario. Deliver the ONE Package “B” outhouse including vent pipe and associated hardware to the NCC Crawley depot at 119 Scott Street, Chelsea, Québec.
  - .3 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, width of door opening, wheelchair accessible turning radius, and installation height and location of hardware and accessories (universally accessible units).
- .3 Tender/Price Submission:**
  - .1** Submit a price for the pre-fabrication and delivery of THREE universally accessible units and ONE standard unit in accordance with the Contract Drawing Package
  - .2 Award of Contract:** will be for the prefabrication and delivery of all four units based on the lowest total lump sum cost.
- .4 Schedule:** Work of this contract must begin within 5 days of award of contract. Completed outhouse units must be delivered on or before March 25<sup>th</sup>, 2016.
- .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.

### **2.0 FEES & TAXES**

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

### **3.0 DELIVERY of PREFABRICATED UNITS**

- .1** The Contractor shall be responsible for the safe delivery of all units to the two separate storage sites identified. Reference 1.2.2 above.
- .2** Ensure that their transportation satisfies Ministry of Transportation laws in each province 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. Estimated weight of each completed Universally Accessible unit is approximately 1500 kg. Weight of the standard unit has not been determined. It is the contractor’s responsibility to verify these weights.
- .4** All prefabricated units shall be delivered to the storage sites by March 25<sup>th</sup>, 2016.
- .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.**



#### 4.0 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**.

#### 5.0 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.

#### 6.0 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.

#### 7.0 DISCRETION

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

#### 8.0 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 Contractor will be required to submit a workplace health and safety policy to the NCC prior to award of contract.
- .3 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 applicable to the workplace (fabrication, transport routes and delivery sites) for work of this contract
- Maintain one copy of applicable health and safety standards at the fabrication site.
- .4 **Responsibilities:** Contractor is responsible for the safety of persons and property in the designated work area where work of this contract is carried out.
- .5 **Protective Gear:** Provide Protective gear and equipment required to carry out work activities of this contract in a safe and healthy manner.
- .6 **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.
- .7 **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.

- .8 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.
- .9 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.
- .10 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.

## **9.0 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.
  - Waste generated 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.

## **10.0 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 sections of CSA B651-12 Accessible Design for the Built Environment.
- .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. Provide shop drawings in electronic format for the following components:
- Floor supporting structure indicating size and spacing of fasteners and lift-point anchors
  - Floor surface, indicating location of shop-welded joints
  - Door shop drawing indicating hardware mounting locations
  - Product data of parts and materials: MSDS information, manufacturer's instructions, technical data, colour samples for:
    - Floor structure and surface
    - Roof underlay
    - Metal roofing, flashings and accessories
    - Plastic glazing and gasket
    - Toilet risers and seats
    - Expanded metal mesh and insect screen
    - Washroom accessories
    - Door hardware
    - Caulking and finishes
- .5 Provide material samples, with and without stain finishes, of:
- Cedar board and batten siding and roof decking, and interior pine wall panelling and trim

- .6 Work affected by the submittals shall not proceed until acceptance is received.
- .7 **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.
- .8 **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.
- .9 **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.
- .10 **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.
- .11 **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.
- .12 **Overall quality of materials and workmanship shall be equivalent to or exceed the quality of sample prefabricated outhouse units that may be viewed at NCC sites.** Contact NCC Project Officer (Kathleen Dorner 613-239-5678 ext 5452) for exact locations of these units.

## 11.0 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.

## 12.0 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.

## 13.0 CLOSE-OUT SUBMITTALS

- .1 List of Contractor, sub-contractors and suppliers:
  - 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, take record photographs of the work in progress
  - In particular, ensure photographs capture areas which are to be concealed.
  - 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: For each finish product used, provide a photocopy of stain/paint can label 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 Provide keys, spare parts and proprietary tools for maintenance and adjustment of washroom accessories and door hardware.

## 14.0 WARRANTIES

- .1 At Substantial Completion submit one year warranties, in duplicate, for building components and 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 Provide warranty details, supporting documentation and completed registration forms for materials/ components covered by manufacturer's warranties that are valid for more than one year.
- .5 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**.
- .6 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.

#### **15.0 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, photographs maintenance data and other closeout documentation listed in paragraph 13.0.
- .2 Provide Confirmation of Conformance statement of work of the contract to date.

#### **16.0 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**

#### **17.0 PRODUCTS**

- .1 Refer to Drawings A8 and B8 "Specifications" and A9 and B9 "Schedule of Materials for product specifications, colour and finishes for work of this Contract.

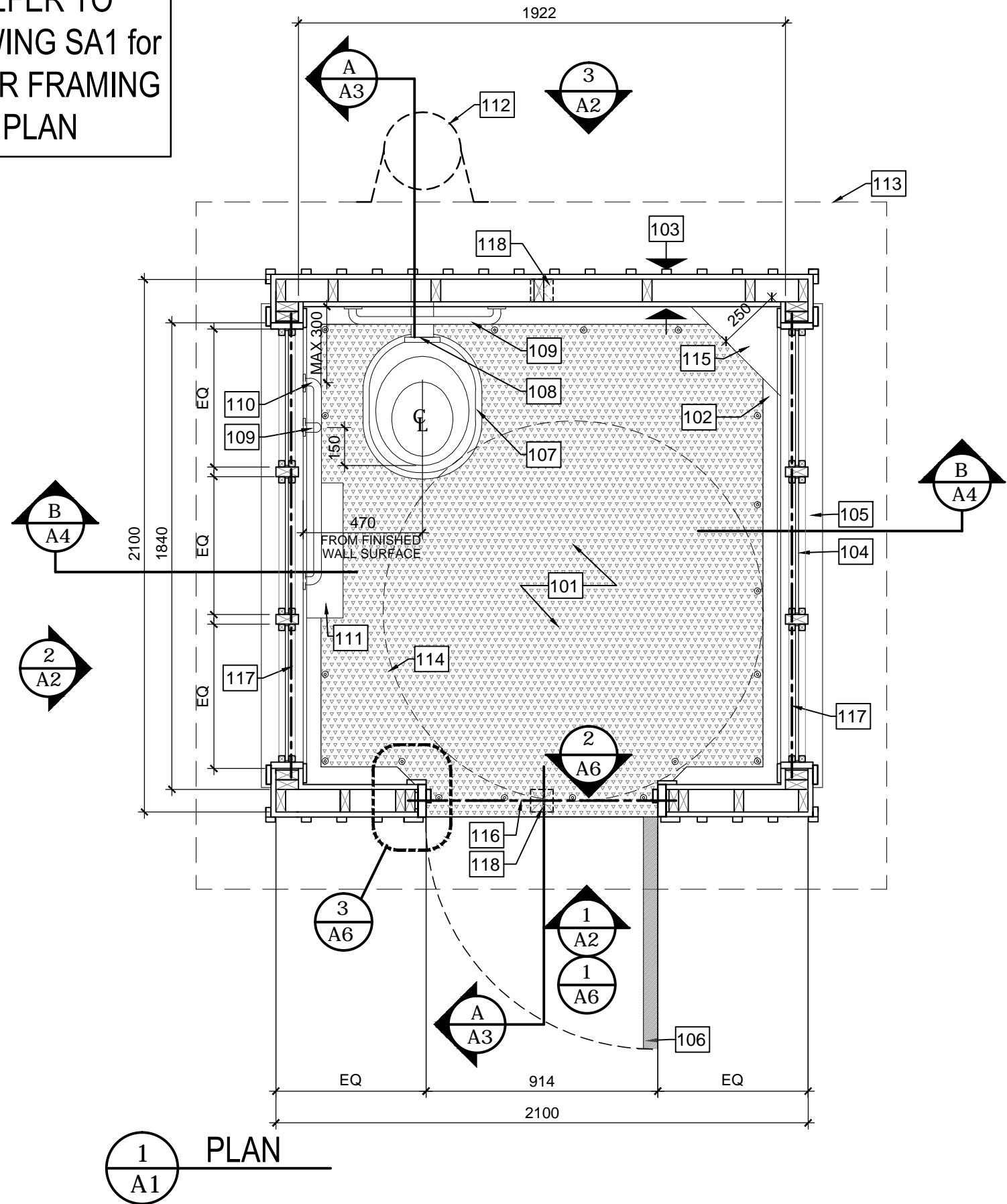
### **Part III - FABRICATION**

- 18.0 Refer to Drawings A8 and B8 "Specifications" for detailed fabrication requirements.

**END OF SECTION**

-----

REFER TO  
DRAWING SA1 for  
FLOOR FRAMING  
PLAN



1 PLAN  
A1

**LIST OF DRAWINGS**

- A1 PLAN
- A2 ELEVATIONS
- A3 SECTION A-A
- A4 SECTION B-B
- A5 DETAILS
- A6 DETAILS
- A7 SCHEMATIC INSTALLATION
- A8 SPECIFICATIONS
- A9 SCHEDULE OF MATERIALS
- SA1 STRUCTURAL PLANS- FLOOR AND BASE

**NOTES: DRAWING A1**

- 101 13mm textured HDPE one-piece plastic floor surface with shop-welded joints on 38 x 140 reinforced recycled plastic sleeper joists @ 305mm oc max. Note that floor surface extends into door opening. Refer to drawing SA1 for floor framing plan and detail 3A5 for attachment of plastic surface to floor structure.
- 102 Perimeter floor beam: 178 x 229 reinforced recycled plastic railroad tie. Notch beam at door opening - refer to details 3/A6 and 5/A6. Refer to drawing SA1 for floor framing plan and details.
- 103 Exterior wall construction:  
Interior surface: vertical 19 x 140 v-joint tongue and groove pine paneling  
Framing: 38x89 SPF studs @ 400mm.oc max. c/w horizontal blocking @ 400mm o.c. max. and 20ga x 100mm galvanized steel diagonal bracing  
Exterior cladding: Cedar board and batten (Boards: 19mm x 140mm; Battens:19mm x 38mm)
- 104 Translucent plastic fixed glazing panel
- 105 Beveled cedar sill
- 106 Custom fabricated door - refer to details on drawing A6.
- 107 Outhouse toilet pedestal riser with toilet seat and lid. Provide opening in HDPE flooring and in floor framing to suit.
- 108 Pine back support - refer to detail 4/A5
- 109 610 mm stainless steel grab bar mounted on solid blocking. Quantity: 2
- 110 915 mm stainless steel grab bar mounted on solid blocking. Quantity: 1
- 111 Toilet paper dispenser. Align with front of toilet riser.
- 112 Vent pipe c/w supporting hardware. For information only; supply and installation by Others.
- 113 Edge of roof above.
- 114 Clear turning radius of min 1500mm
- 115 Pine corner shelf
- 116 2-38 x 89 lintel
- 117 2-38 x 184 lintel
- 118 89 x 89 cedar ridge support above



Capital Planning Branch  
Direction de l'aménagement de la capitale

Design and Construction Division  
Division design et construction

director - Claude Robert - directeur

**GENERAL NOTES**

- A - Unless otherwise indicated, dimensions indicated are in millimetres. It is the contractor's responsibility to verify all dimensions. Do not scale drawings.
- B - All work to be in conformance with CAN/CSA-B651-12 Accessible Design for the Built Environment.
- C- Provide 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.

issued or revised/ émis ou révisé

no.	description	date
2	FOR TENDER	2015-11-27
1	FOR INFORMATION	2015-06-24

project  
projet

**UNIVERSAL ACCESS  
OUTHOUSE  
Package "A"**

Quantity: Three Units

drawing  
dessin

**PLAN**

approved by  
approuvé par

designed by  
conçu par

drawn by  
dessiné par **K DORNER**

date **2014-08-18** scale **1:20**  
échelle

NCC project no.  
no. du projet de la CCN

sheet no.  
no. de la feuille

**GENERAL NOTES**

- A - Unless otherwise indicated, dimensions indicated are in millimetres. It is the contractor's responsibility to verify all dimensions. Do not scale drawings.
- B - All work to be in conformance with *CAN/CSA-B651-12 Accessible Design for the Built Environment*.
- C - Provide 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.

issued or revised/ émis ou révisé

no.	description	date
2	FOR TENDER	2015-11-27
1	FOR INFORMATION	2015-06-24

project  
projet

**UNIVERSAL ACCESS  
OUTHOUSE  
Package "A"**  
Quantity: Three Units

drawing  
dessin

**ELEVATIONS**

approved by  
approuvé par

designed by  
conçu par

drawn by  
dessiné par **K DORNER**

date  
**2014-08-18**

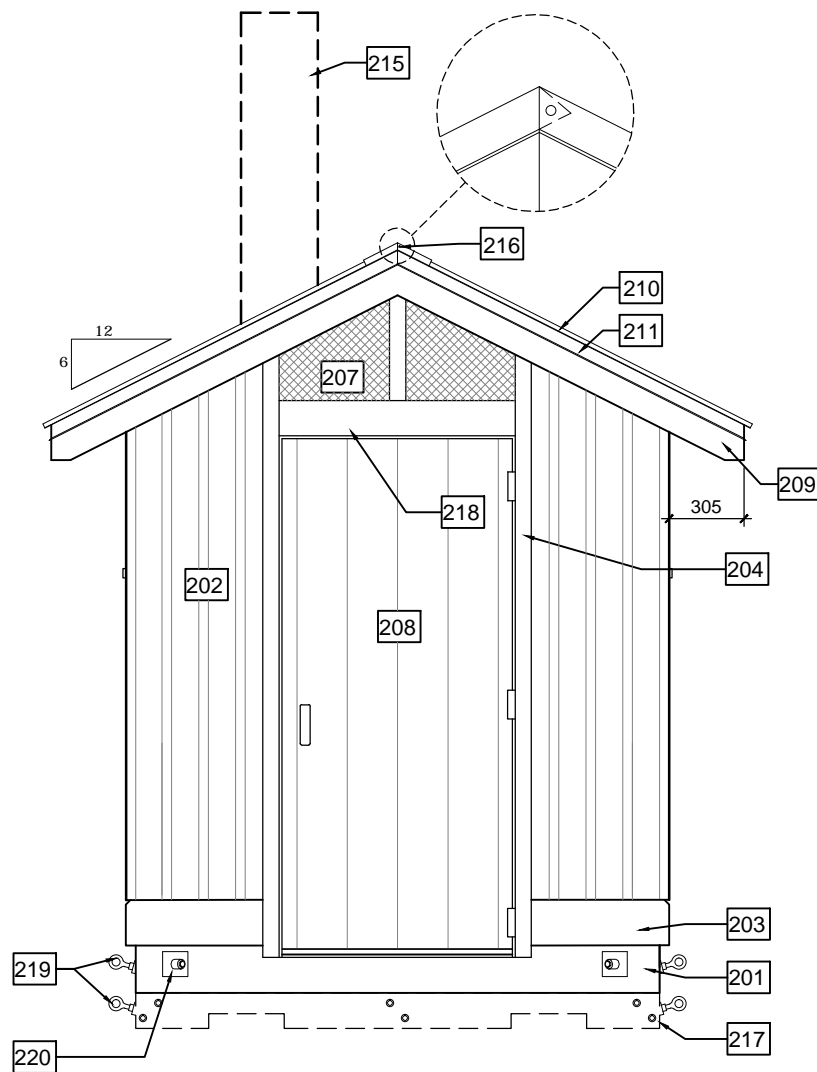
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NCC project no.  
no. du projet de la CCN

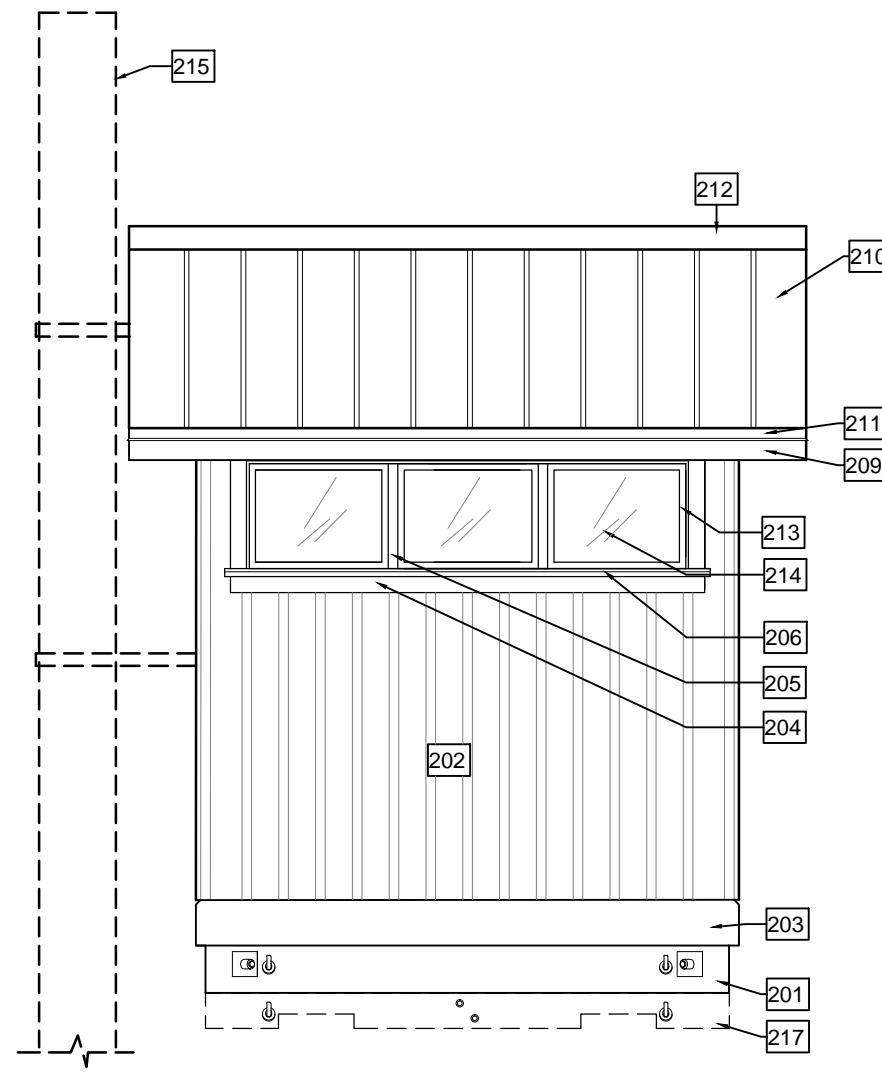
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no. de la feuille

DC2000-07

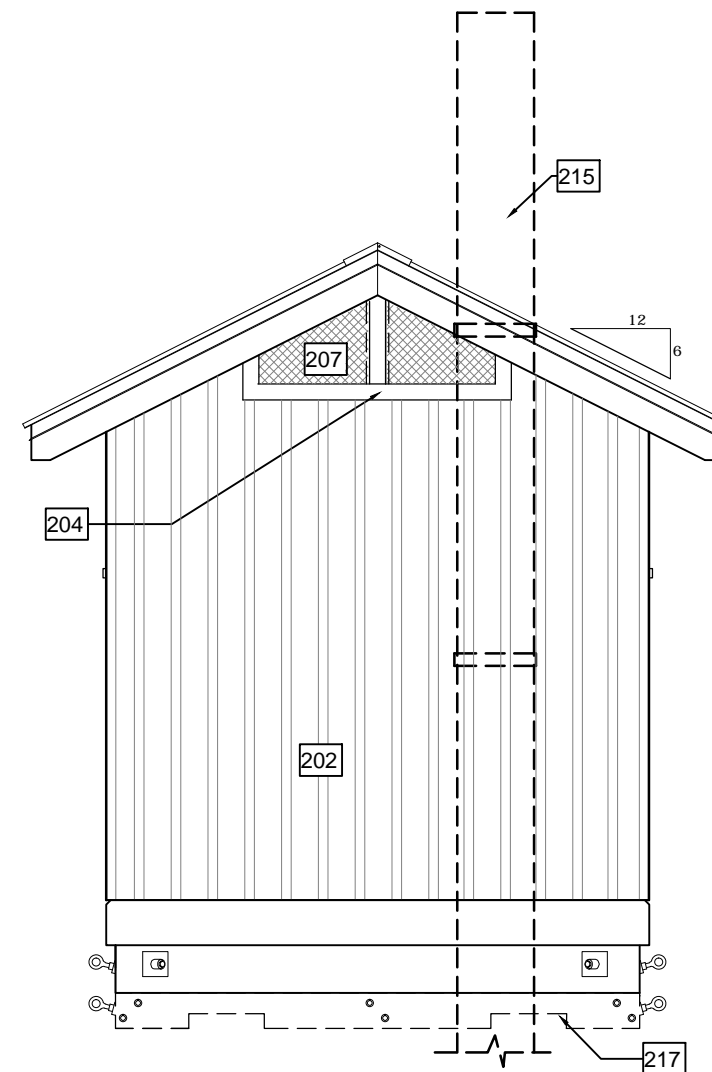
A-2



**1 FRONT ELEVATION**  
A2



**2 SIDE ELEVATION**  
A2



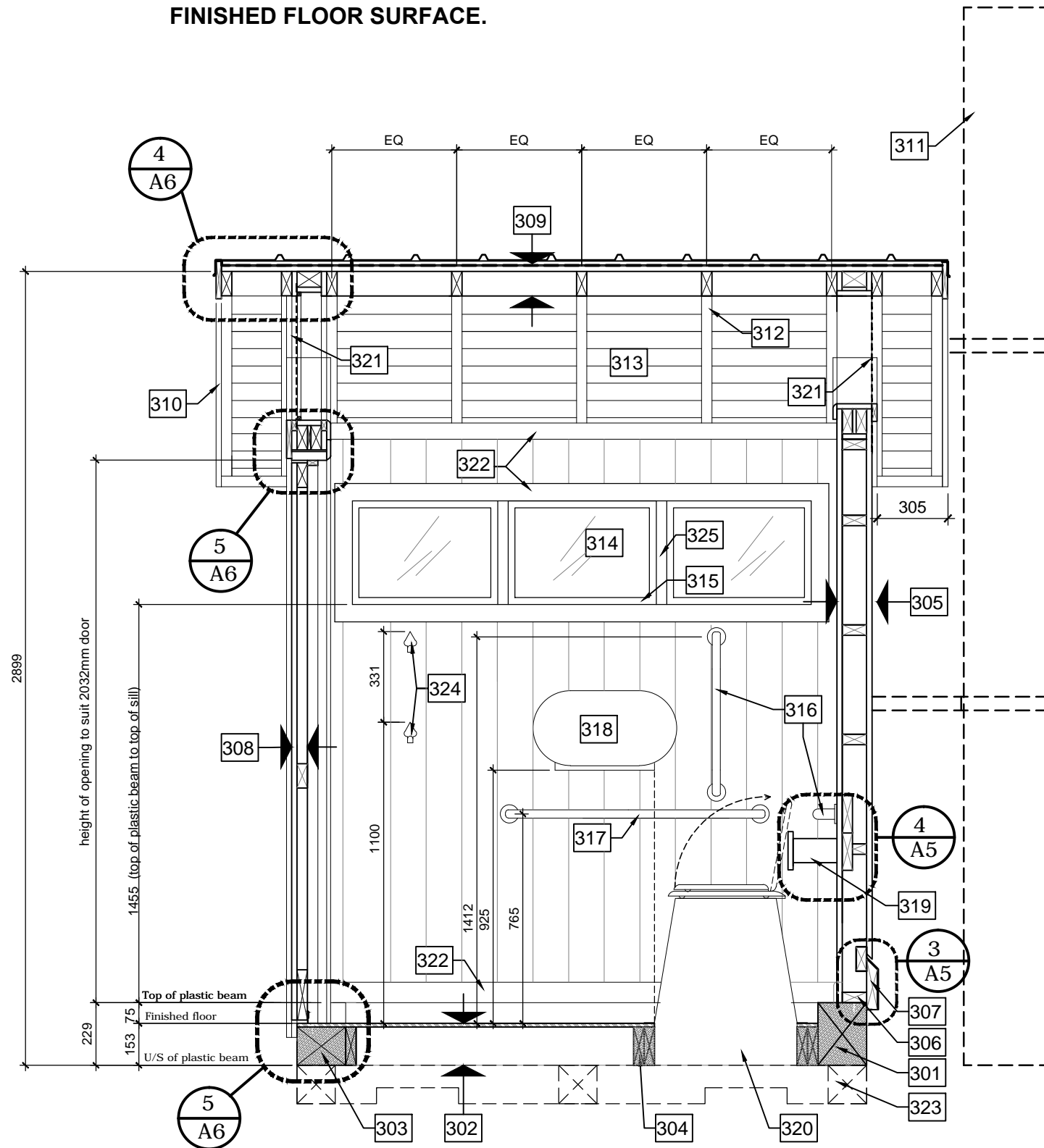
**3 REAR ELEVATION**  
A2

**NOTES: DRAWING B2**

- |   |  |
|---|--|
| 201 Perimeter floor beam: 178 x 229 reinforced recycled plastic railroad tie  | 211 Prefinished metal drip edge flashing   |
| 202 Cedar board and batten siding, solid stain no.1. (Boards: 19mm x 140mm; Battens:19mm x 38mm)                                      | 212 Prefinished metal ridge cap c/w foam closure strips  |
| 203 38 x 184 cedar clad with prefinished metal flashing. Seal corner joints in metal flashing with caulking to eliminate sharp edges. | 213 25 x 25 cedar glazing stop   |
| 204 19 x 64 mm cedar trim, solid stain no.2.  | 214 Translucent plastic glazing  |
| 205 38 x 89 mm cedar mullion, solid stain no.2.   | 215 Vent stack - Not in contract. Supply and installation by Others.   |
| 206 Beveled cedar window sill, solid stain no.2.  | 216 Fold, lap and rivet open ends of prefinished metal roof ridge cap to form end closure                          |
| 207 Expanded metal/screen mesh vent   | 217 Temporary timber base for transport and storage - to be removed upon final installation. Refer to drawing S-1. |
| 208 Cedar door, solid stain no.2. Refer to details on A6.   | 218 19 x 140 cedar trim, solid stain no.2.   |
| 209 19 x 140 cedar fascia, solid stain no.2.  | 219 Galvanized eye bolt - refer to S1  |
| 210 Prefinished corrugated metal roofing  | 220 Galvanized plate and rod or bolt corner fastener - refer to S1   |



**NOTE: Heights of washroom accessories are measured from FINISHED FLOOR SURFACE.**



**SECTION A-A**

**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 140 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 140 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.
  - Diagonal bracing- 20 ga x 100mm galvanized steel
  - 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. Refer to detail 3/A5.
- 308 Wood door - refer to details on A6
- 309 **ROOF CONSTRUCTION:**
  - Prefinished metal roofing
  - 16 x 64 strapping @ 400mm oc max.
  - Self-adhesive waterproofing membrane over entire roof deck
  - 19 x 140 T&G v-joint cedar decking
  - 38 x 89 cedar rafters @±450 mm oc (equal spacing)

**NOTE:** Roofing screws may NOT protrude through the underside of the exposed decking.
- 310 19 x 140 cedar fascia
- 311 Vent pipe (Supply and 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 with mesh insect screen. Add removable translucent plexiglass panel to rear vent openings.
- 322 13 x 64 pine interior trim
- 323 Temporary timber base for transport and storage - to be removed upon final installation. Refer to drawing S1.
- 324 Coat hooks
- 325 38 X 89 cedar mullion



Capital Planning Branch  
Direction de l'aménagement de la capitale

Design and Construction Division  
Division design et construction

director - Claude Robert - directeur

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- B - All work to be in conformance with CAN/CSA-B651-12 Accessible Design for the Built Environment.
- C - Provide 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.

issued or revised/ émis ou révisé

no.	description	date
2	FOR TENDER	2015-11-27
1	FOR INFORMATION	2015-06-24

project  
projet **UNIVERSAL ACCESS  
OUTHOUSE  
Package "A"**  
Quantity: Three Units

drawing  
dessin

**SECTION A-A**

approved by  
approuvé par

designed by  
conçu par

drawn by  
dessiné par **K DORNER**

date **2014-08-18** scale **1:20**  
échelle

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

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no.	description	date
2	FOR TENDER	2015-11-27
1	FOR INFORMATION	2015-06-24

project / projet: **UNIVERSAL ACCESS  
OUTHOUSE  
Package "A"**  
Quantity: Three Units

drawing / dessin

**SECTION B-B**

approved by / approuvé par

designed by / conçu par

drawn by / dessiné par: **K DORNER**

date: **2014-08-18** scale / échelle: **1:20**

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

DC2000-07 **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 140 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 140 at floor opening

404 **EXTERIOR WALL CONSTRUCTION:**

- Interior surface: 19 x 140 vertical v-joint tongue and groove pine
- Framing: 38x89 SPF Select Grade studs @ 420mm.oc max. c/w horizontal blocking @ 420mm o.c. max.
- Diagonal bracing: 20ga x 100mm galvanized steel straps
- 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 64 pine interior trim

407 89 x 89 cedar ridge support

408 **ROOF CONSTRUCTION:**

- Prefinished metal roofing
- 16 x 64 wood strapping @ 400mm oc max.
- Self-adhesive waterproofing membrane covering entire roof deck
- 19 x 140 T&G v-joint cedar decking
- 38 x 89 cedar rafters @ ±450 mm oc (equal spacing)
- **NOTE:** Roofing screws may NOT protrude through the underside of the exposed decking.

409 38x140 roof ridge

410 Prefinished metal ridge cap c/w foam closure strips

411 38 x 89 studs/ blocking @ 420mm o.c.

412 Stainless steel expanded metal / mesh screen vent. Add translucent plexiglass panel to REAR vent openings only.

413 19 x 140 cedar fascia

414 2-38 x 184 lintel

415 Bevelled cedar sill

416 Translucent plastic glazing

417 25x25 cedar 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 supported by solid blocking

421 Cedar back support - refer to detail 4/A5

422 Waterless toilet riser c/w seat and lid

423 19 x 140 V-joint tongue and groove pine interior wall finish

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

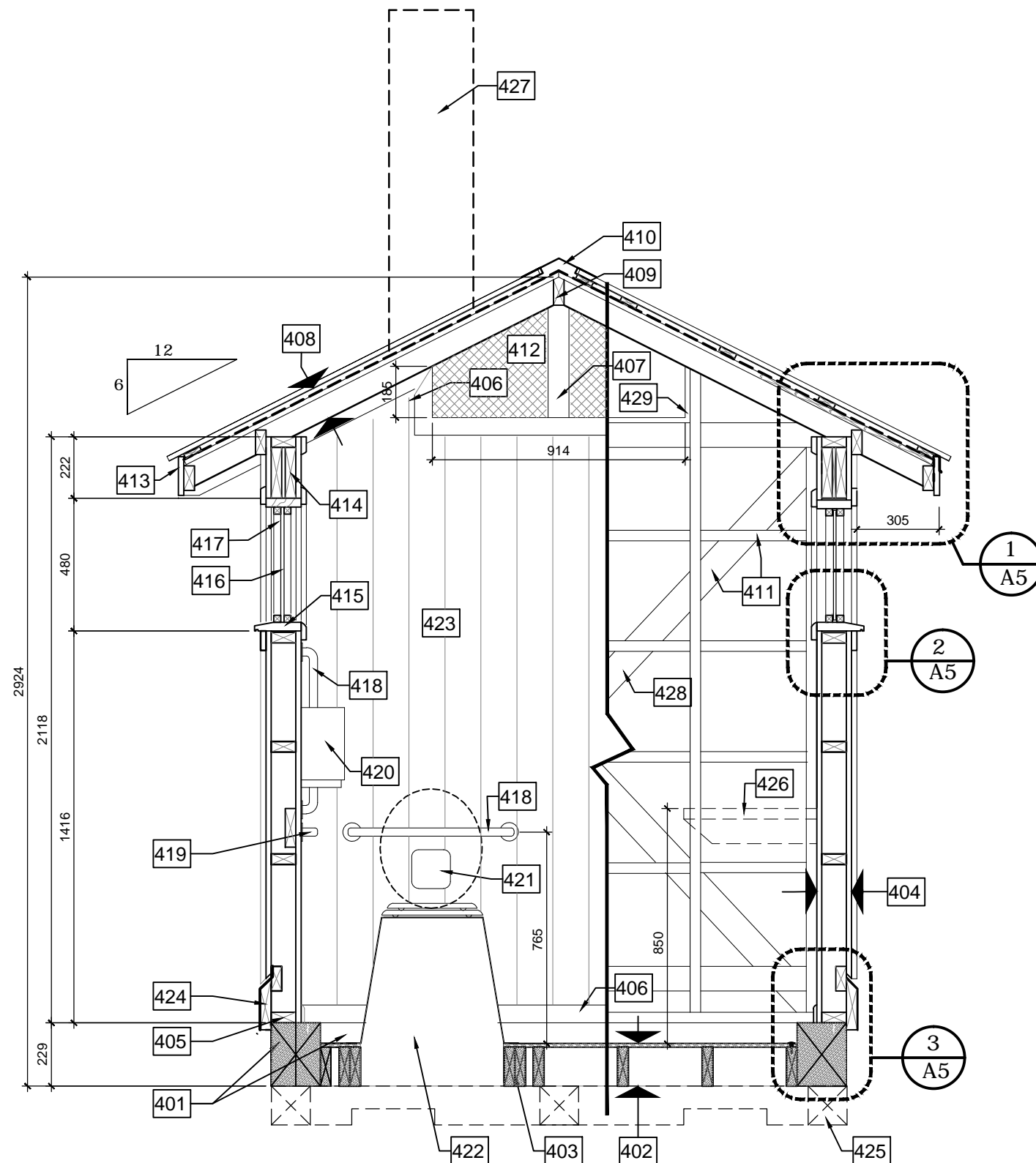
425 Temporary timber base for transport and storage - to be removed upon final installation. Refer to drawing S1.

426 Pine corner shelf c/w 38 x 89 supports

427 Vent pipe (supply and installation by Others)

428 Diagonal wall bracing

429 19mm thick cedar trim at vent opening



**SECTION B-B**

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no.	description	date
2	FOR TENDER	2015-11-27
1	FOR INFORMATION	2015-06-24

project  
projet

**UNIVERSAL ACCESS  
OUTHOUSE  
Package "A"**  
Quantity: Three Units

drawing  
dessin

**DETAILS**

approved by  
approuvé par

designed by  
conçu par

drawn by  
dessiné par **K DORNER**

date  
**2014-08-18**

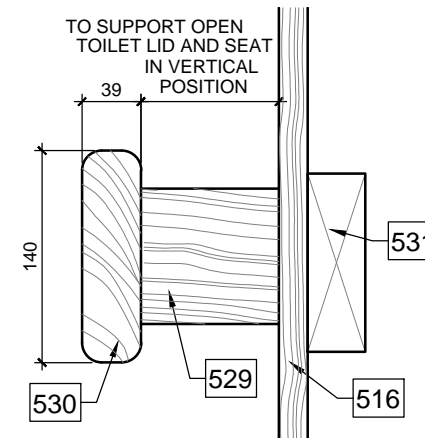
scale  
échelle **AS NOTED**

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no. du projet de la CCN

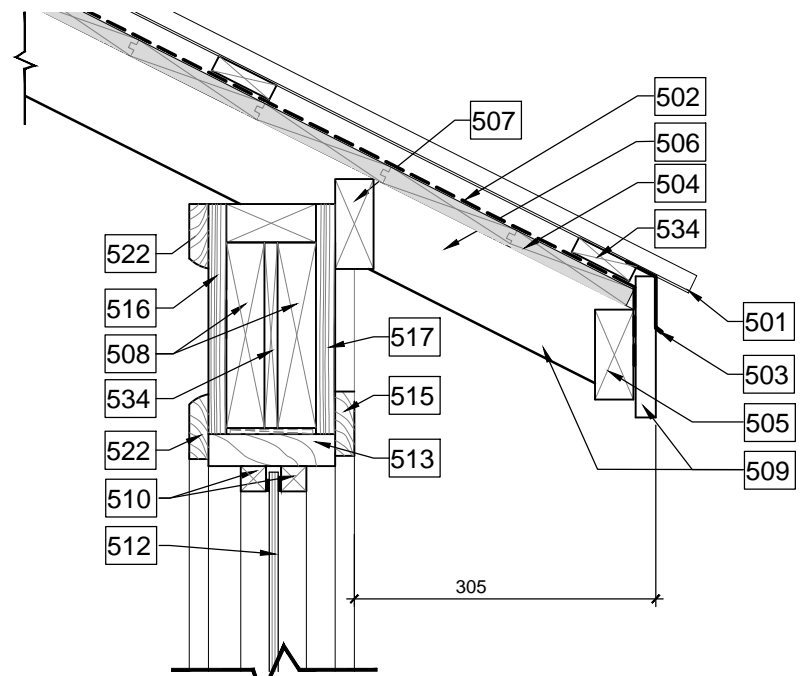
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no. de la feuille

DC2000-07

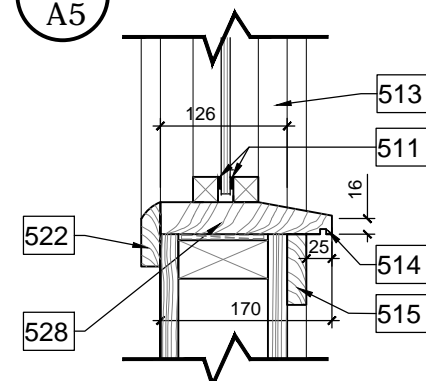
A-5



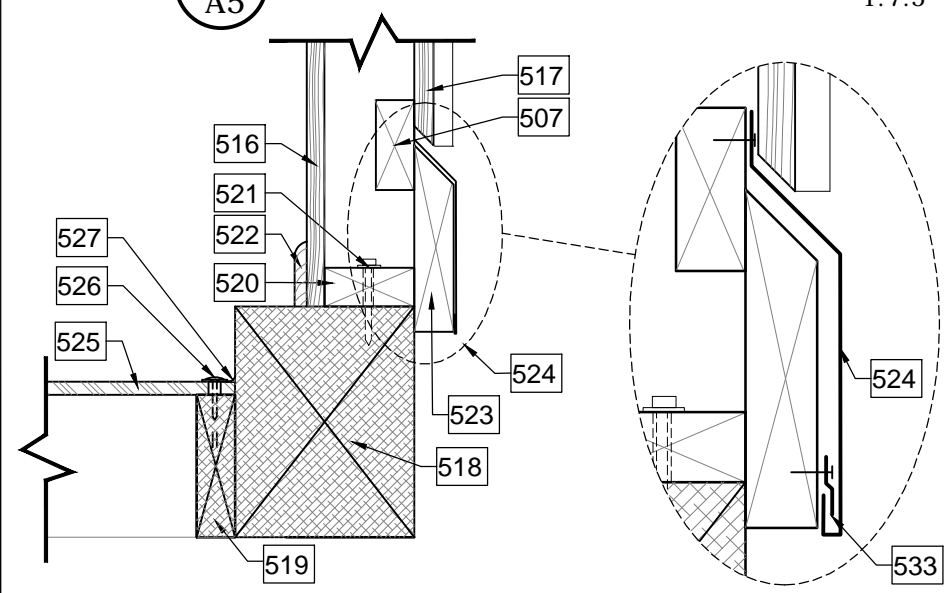
**4 BACK SUPPORT DETAIL**  
A5 1:5



**1 SECTION DETAIL AT EAVE/ WINDOW HEAD**  
A5 1:7.5



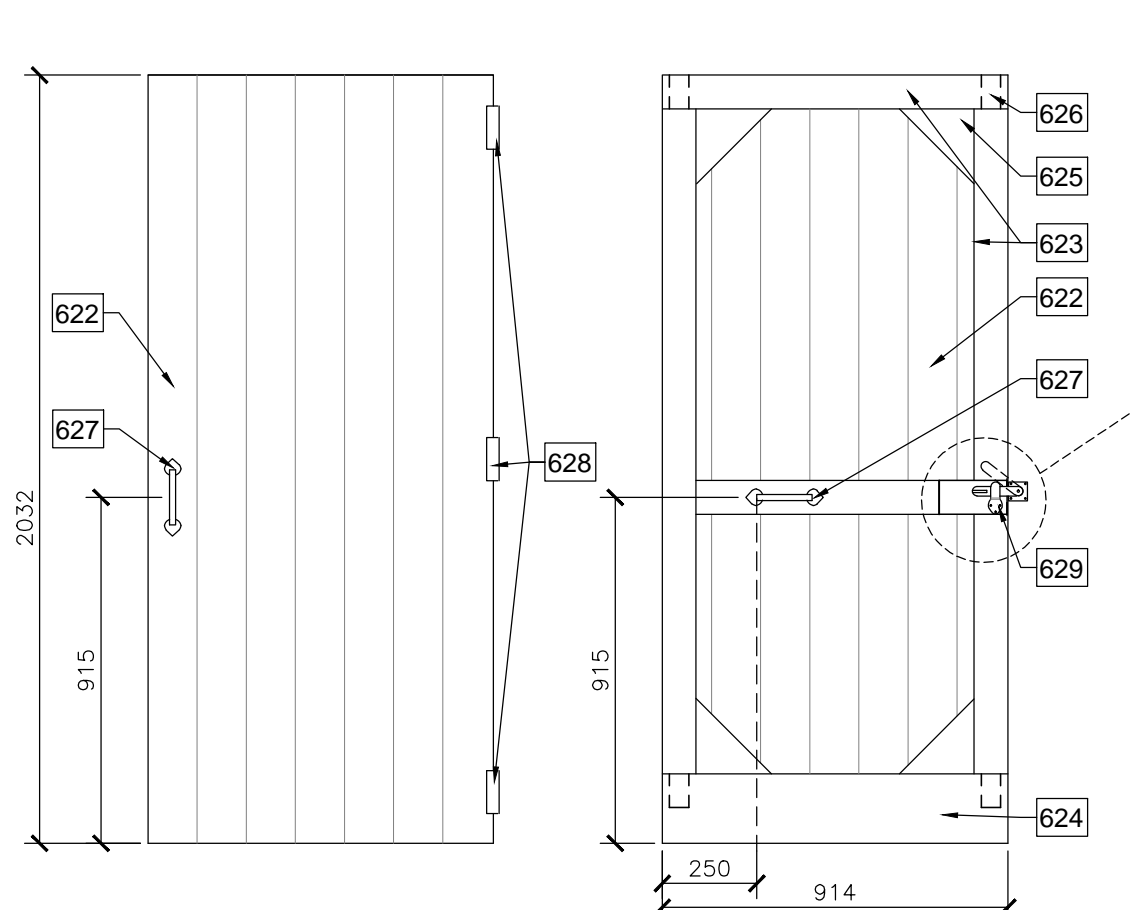
**2 SECTION DETAIL AT WINDOW SILL**  
A5 1:7.5



**3 SECTION DETAIL AT FLOOR/WALL JUNCTION**  
A5 1:7.5

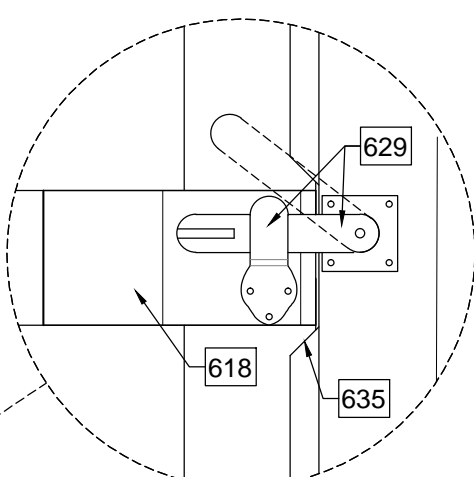
**NOTES: DRAWING A5**

- 501 Prefinished corrugated steel roof
- 502 Self-adhesive waterproofing membrane
- 503 Prefinished metal drip edge flashing
- 504 19 x 140 tongue & groove cedar roof deck, clear finish
- 505 38 x 89 cedar subfascia, clear finish
- 506 38 x 89 cedar rafter c/w birdsmouth notch, clear finish
- 507 38 x 89 cedar blocking between rafters, clear finish
- 508 2-38 x 184 lintel
- 509 19 x 140 cedar fascia, solid stain no. 2
- 510 25 x 25 cedar glazing stops. Interior stops: clear finish; exterior stops: Solid stain no.2.
- 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 32mm cedar window head and jamb. Interior: clear finish; exterior: Solid stain no.2.
- 514 32mm cedar window sill, beveled and undercut for drip edge. Interior: clear finish; exterior: Solid stain no.2.
- 515 19 x 64 cedar trim, solid stain no. 2
- 516 19 x 140 T&G v-joint pine, clear finish.
- 517 19 x 140 cedar board & batten siding, solid stain no. 1.
- 518 178 x 229 reinforced recycled plastic perimeter beam
- 519 38 x 140 reinforced recycled plastic sleeper joists
- 520 38 x 89 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 64 pine molding, clear finish
- 523 38 x 184 bevelled cedar bottom trim board
- 524 Prefinished metal flashing with hemmed bottom edge. Neatly lap and screw corner joints. Caulk corner joints to eliminate sharp edges.
- 525 13mm textured HDPE floor panel
- 526 Stainless steel screws c/w 19mm Ø stainless steel cup washer. Pre-drill oversized holes in HDPE flooring evenly spaced at ±300mm o.c. and attach to structure below at PERIMETER OF FLOOR ONLY.
- 527 Low modulus silicone sealant at floor perimeter joint between HDPE flooring and plastic beam
- 528 Cedar shims
- 529 89 x 89 cedar block, clear finish
- 530 38 x 140 x 140 cedar plate, corners rounded and bullnose edges, clear finish.
- 531 Minimum 38 x 140 solid blocking
- 532 38 X 89 cedar mullion. Interior: clear finish; exterior: Solid stain no.2.
- 533 Pre-bent galvanized or prefinished steel flashing clip
- 534 16 x 64 wood strapping @ 400mm o.c. max.



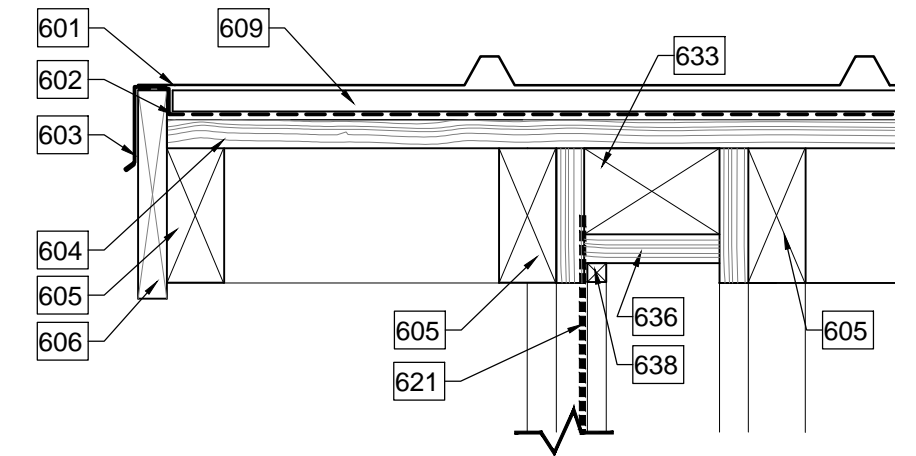
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A6 EXTERIOR DOOR  
ELEVATION 1:20

**2**  
A6 INTERIOR DOOR  
ELEVATION 1:20

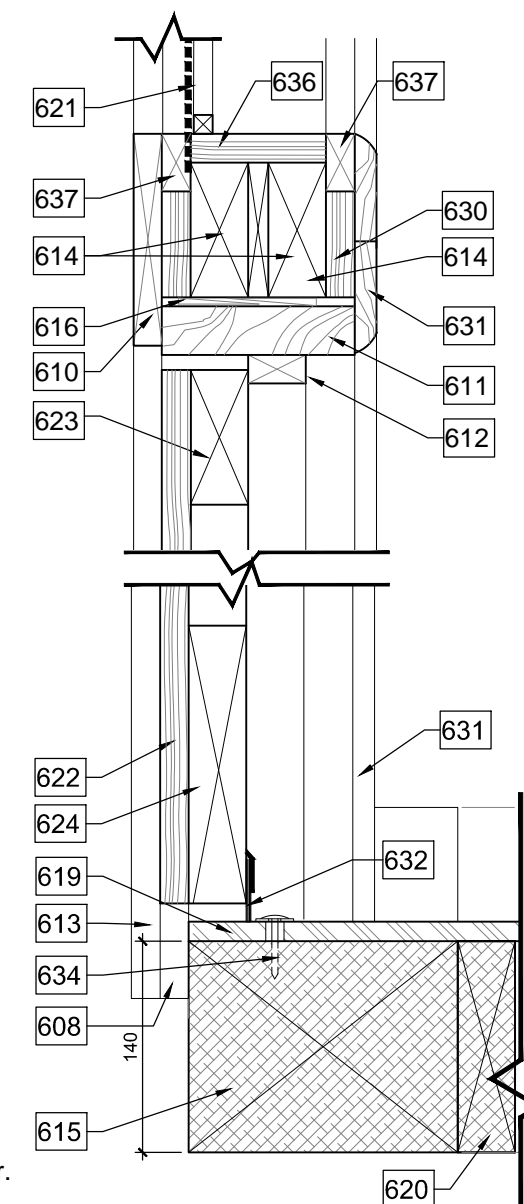


**NOTES: DRAWING A6**

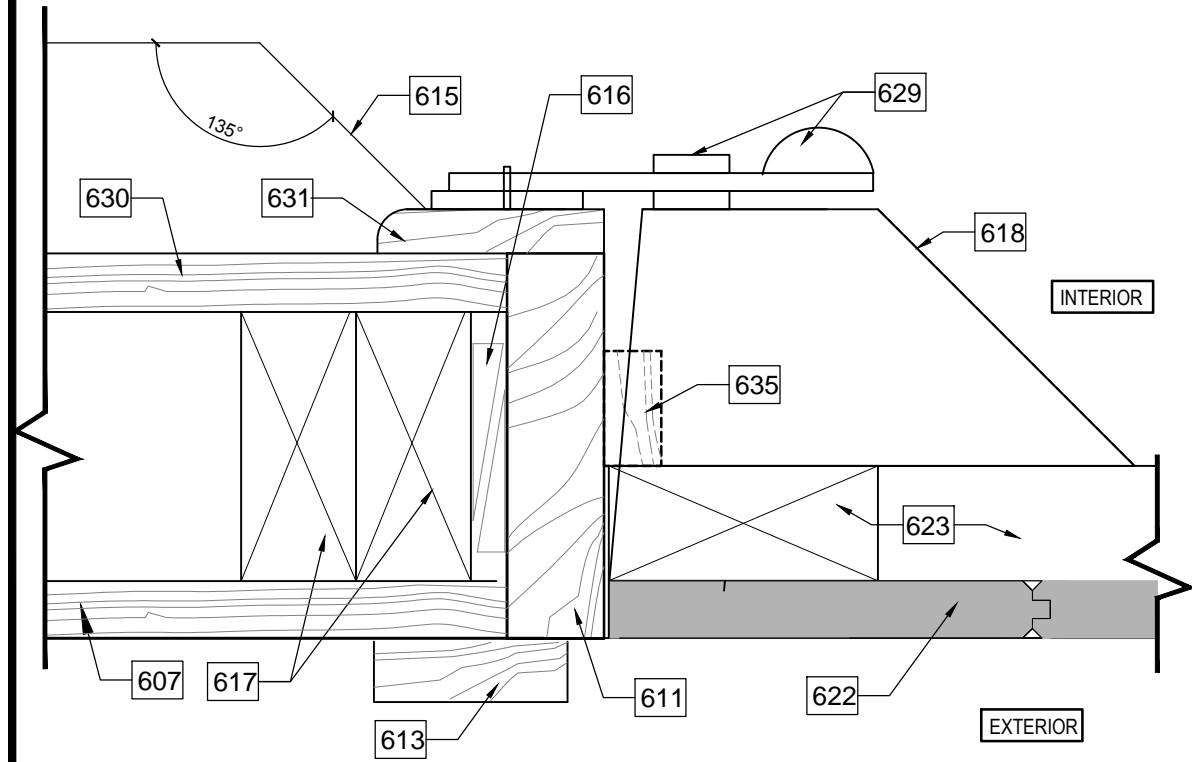
- 601 Prefinished corrugated metal roof
- 602 Self-adhesive waterproofing membrane
- 603 Prefinished metal drip edge flashing
- 604 19 x 140 tongue & groove cedar roof deck, clear finish
- 605 39 x 89 cedar rafters, clear finish
- 606 19 x 140 cedar fascia, solid stain no 2
- 607 Board & batten cedar siding, solid stain no.1
- 608 Cedar blocking behind door trim at plastic beam, solid stain no. 2
- 609 16 x 64 wood strapping @ 400mm o.c. max.
- 610 19 x 140 cedar trim, solid stain no. 2
- 611 38 x 127 cedar door jamb, solid stain no. 2
- 612 19 x 38 cedar door stop, solid stain no. 2
- 613 19 x 64 cedar trim, solid stain no. 2
- 614 2-38 x 89 lintel
- 615 178 x 229 reinforced recycled plastic perimeter beam, notched and beveled at door opening.
- 616 Cedar shims
- 617 38 x 89 wall studs
- 618 Bevelled cedar block, solid stain no. 2. Interior surface to be flush with interior door trim for installation of latch keeper.
- 619 13mm textured HDPE flooring
- 620 38 x140 reinforced recycled plastic sleeper joists
- 621 Expanded stainless steel / screen fabric vent
- 622 Door panelling - 19 x 140mm V-joint T&G cedar. Solid Stain no. 2.!
- 623 38 x 89 cedar rails and stiles, solid stain no. 2.
- 624 38 x 184 cedar bottom rail, solid stain no. 2.
- 625 38 x 140 corner braces, solid stain no. 2.
- 626 Mortise & tenon joint (typical)
- 627 D-pull door handle
- 628 Spring hinges
- 629 Iron latch and keeper
- 630 Interior 19mm pine T&G panelling, clear finish
- 631 13mm x 64mm interior pine door casing, clear finish
- 632 Door sweep
- 633 38 x 89 framing
- 634 Stainless steel screws c/w 19mm Ø stainless steel finishing washer.
- 635 Cut back door stop at cedar block
- 636 Cedar jamb lining. clear finish
- 637 Cedar spacer, clear finish
- 638 13 x 13 cedar screen stop, clear finish



**4**  
A6 SECTION DETAIL AT ROOF RAKE/ VENT 1:5



**5**  
A6 SECTION DETAIL AT DOOR 1:5



**3**  
A6 PLAN DETAIL AT DOOR 1:5

**NOTE: 10% MAXIMUM MOISTURE CONTENT FOR ALL WOOD USED IN CONSTRUCTION OF DOOR.**

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no.	description	date
2	FOR TENDER	2015-11-27
1	FOR INFORMATION	2015-06-24

project  
projet **UNIVERSAL ACCESS  
OUTHOUSE  
Package "A"**  
Quantity: Three Units

drawing  
dessin

**DETAILS**

approved by  
approuvé par

designed by  
conçu par

drawn by  
dessiné par **K DORNER**

date **2014-08-18** scale **1:5**  
échelle

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

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no.	description	date
2	FOR TENDER	2015-11-27
1	FOR INFORMATION	2015-06-24

project / projet: **UNIVERSAL ACCESS OUTHOUSE**  
Package "A"  
Quantity: Three Units

drawing / dessin: **SCHEMATIC INSTALLATION DRAWINGS - FOR INFORMATION ONLY**

approved by / approuvé par: \_\_\_\_\_

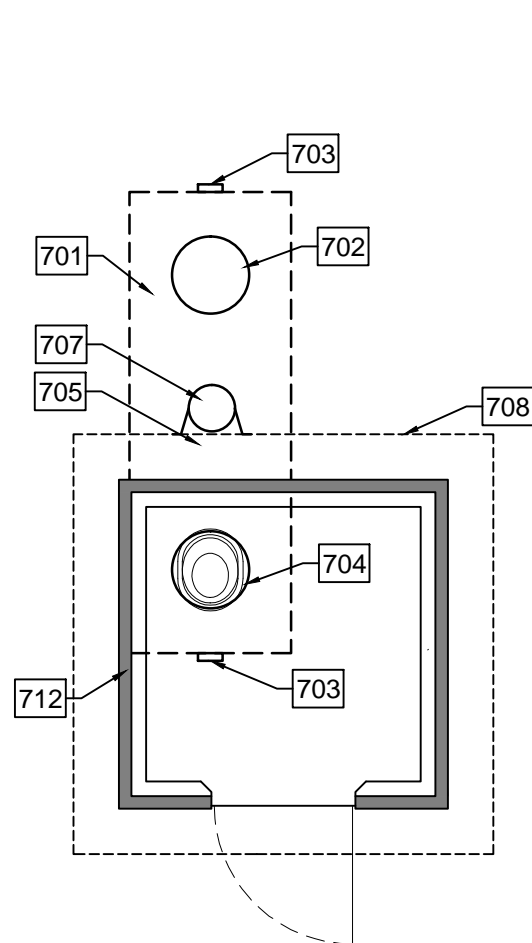
designed by / conçu par: \_\_\_\_\_

drawn by / dessiné par: **K DORNER**

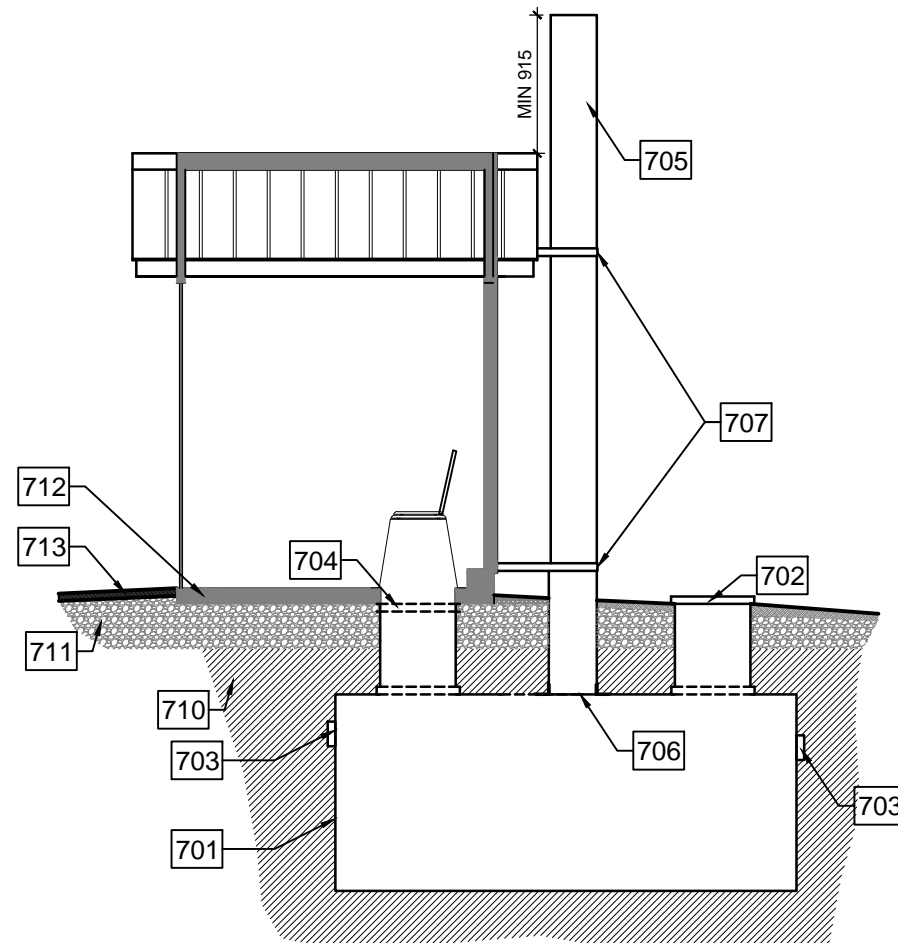
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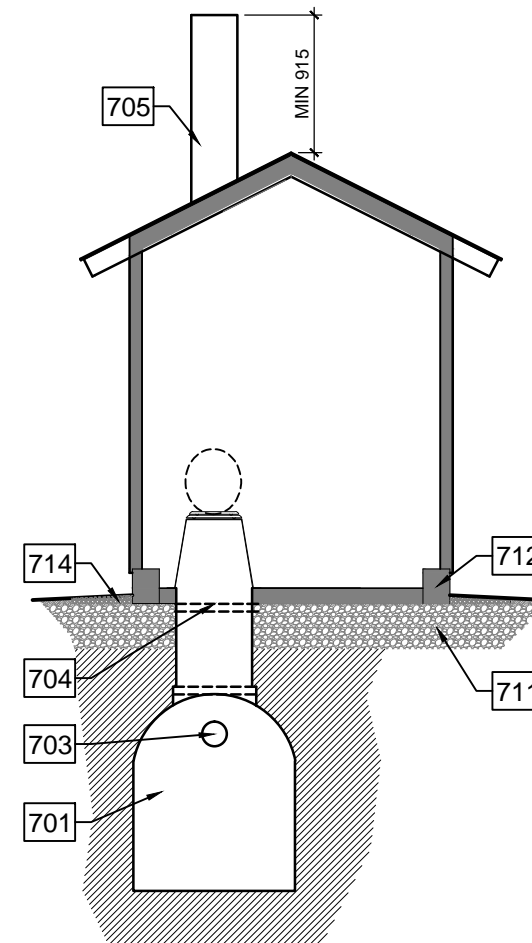
DC2000-07 **A-7**



PLAN



SECTION A-A



SECTION B-B

**1** SCHEMATIC INSTALLATION DRAWINGS (FOR INFORMATION ONLY)  
**B7**

**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 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.

# SPECIFICATIONS

- Standards and Conformance of Work:** 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.
- Portability:** The outhouses shall be portable. The units must be ready for delivery to NCC sites intact and in a manner suitable for further movement.
- Universal Accessibility:** Interior building and door dimensions, door hardware and toilet/accessories installation shall be installed in accordance with CAN/CSA B651-12 Accessible Design for the Built Environment.
- Exterior Use:** All products, materials and equipment for work of this Contract shall satisfy the specified requirements and be of quality for exterior use.
- 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.
- 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 Project Officer immediately of conflicts between manufacturer's instructions and the Contract's intended use or design.
- Compatibility of Materials:** Only materials which are compatible shall be installed in contact with each other. Notify NCC Project Officer immediately of conflicts.
- Floor Sub-structure:** The sub-structure shall satisfy structural requirements as defined by the National Building Code for this public use. Contact the manufacturer for recommended instructions for cutting and joining materials.
- Floor surface:** The floor surface 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. Pre-drill oversize holes for fasteners to allow for material expansion and contraction.
- Rough Carpentry:**
  - Product specifications:** Refer to A9 "Schedule of Materials." Softwood lumber: unless specified otherwise, S4S, moisture content 19% or less in accordance with following standards:
    - CAN/CSA-O141.
    - NLGA Standard Grading Rules for Canadian Lumber.
  - Floor Structure:** Reinforced recycled plastic- refer to Schedule of Materials.
  - Composite materials:** No plywood, OSB or wood based composites may be used in the fabrication of these units.

- Fasteners:** Stainless steel or galvanized to CAN/CSA-G164 with the exception of hardware and accessories. Fasteners for hardware and accessories shall be of the same material as the hardware and/or accessories
- Installation and Erection:**
  - Install members true to line, levels and elevations, square and plumb.
  - Construct continuous members from pieces of longest practical length.
  - Install furring and blocking to space-out and support wall and ceiling finishes, fascia, washroom accessories, and other work as required.
  - Install rough bucks, nailers and linings to rough openings as required to provide backing for frames, openings and other work.
  - Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
  - Countersink bolts where necessary to provide clearance for other work. **NOTE:** Do **NOT** countersink bolts in plastic floor structure..

## 11. Roof and flashings:

- Product specifications:** Refer to A9 "Schedule of Materials"
- Roof underlay** (self-adhesive membrane): Lap seams minimum 100mm in direction of water flow.
- Roofing panels:** Install with gasketed roofing screws, screw length and spacing as recommended by manufacturer. Screws may NOT penetrate through underside of roof decking.
- Flashings:**
  - Fabricate metal flashings as indicated. Use continuous lengths for each run of flashing. Neatly lap and rivet ridge cap at gable ends.
  - Hem exposed edges on underside 12 mm. Mitre and seal corners with sealant.
  - Form sections square, true and accurate to size, free from distortion and other defects detrimental to appearance or performance.

## 12. Finish Carpentry

- References and Standards**
  - Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI) Architectural Woodwork Quality Standards Illustrated, latest version.
  - CAN/CSA O132.2-90 (C1996) General requirements for wood doors.
- Product specifications:** Refer to A9 "Schedule of Materials"
- Fabrication:**
  - Do finish carpentry to Quality Standards of the Architectural Woodwork Manufacturers Association of Canada (AWMAC), except where specified otherwise.

- 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.
- Form joints to conceal shrinkage. Position items of finished carpentry work accurately, level, plumb, true and fasten or anchor securely.
- Fastenings**
  - Design and select fasteners to suit size and nature of components being joined. Use proprietary devices as recommended by manufacturer.
  - Ensure spacing and number of fastenings satisfy the require is to be lifted and moved (possibly several times ment that the buildingin its life)
- Standing and running trim:**
  - Refer to Drawings for identification of panelling and door/ window trims.
  - Butt and cope internal joints of trim boards to make snug, tight, joint. Cut right angle joints of casing and base with mitred joints.
  - Fit backs of trim boards and casing snugly to wall surfaces to eliminate cracks at junction of base and casing with walls.
  - Install trim in single lengths without splicing.

## 13. Door Hardware:

- Product specifications:** Refer to A9 "Schedule of Materials"
- Installation:** Install door hardware in accordance with CAN/CSA B651-12 Accessible Design for the Built Environment. Confirm location of specified hardware with NCC Project Officer. Ensure coordination w/ hardware technical sheets and templates from manufacturer.

## 14. Washroom Accessories:

- Product specifications:** Refer to A9 "Schedule of Materials"
- Installation:** Install washroom accessories in accordance with CAN/CSA B651-12 Accessible Design for the Built Environment. Refer to drawings for location of installation of grab bars and other washroom accessories. Review exact location/heights w/ NCC Project Officer prior to installation. Provide adequate structural support behind wall to satisfy NBC requirements.

## 15. Finish Coatings

- Scope:**
  - Exterior: Staining of all exterior exposed wood surfaces: walls, eaves, fascia, windows, door (both sides), door jamb and exterior trims;
  - Interior: Transparent finish on interior exposed wood surfaces: walls, ceilings, windows and interior trim

## .2 References:

- Architectural Painting Specifications Manual, Master Painters Institue (MPI).
- Systems and Specifications Manual, SSPC Painting Manual, Volume Two, Society for Protective Coatings (SSPC).
- Test Method for Measuring Total Volatile Organic Compound Content of consumer Products, Method 24 (for Surface coatings) of the Environmental Protection Agency (EPA).

- Products** -Refer to finish schedule below. Submit colour stain samples for each specified colour to NCC Project Officer for review and acceptance a minimum 3 days prior to start of staining activities.

## .4 Execution:

- Surface Preparation:** Ensure surface is clean and dust free. Protect adjacent surfaces from splatters, markings, staining or other damage from staining/painting activities.
- Environmental Requirements:** Ensure temperature, humidity and substrate moisture content are met and provided as per paint manufacturer's recommendations. Provide adequate ventilation of the space for 48 hours following painting activities. Ensure adequate lighting is provided during painting activities.
- Pre-stain exterior wood siding and trim prior to installation and fabrication. Apply minimum 2 coats of stain to exposed exterior surfaces, as per manufacturer's instructions. Back-prime exterior siding and trim with one coat of stain prior to installation. Touch-up cut ends of boards prior to installation.
- Remove surface hardware, accessories, cover plates, mounted equipment and exposed fastenings prior to start of staining if applicable.
- Apply coats of paint/stain in continuous film. Ensure adequate drying and curing as per manufacturer's instructions in between coats.
- Touch-up nicks and scratches in finish after completion of construction.

## 16. Glazing

- Products** -Refer to A9 'Schedule of Materials.'
- Compliance:** Comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.
- Execution:**
  - Pre-stain window frames, trim and glazing stops prior to installation of glazing.
  - Allow minimum 6mm expansion space between perimeter of glazing and wood frame.
  - Cut glazing gasket to length and set against permanent stops, flush with edge of stop.
  - Place setting blocks at 1/3 points, with edge block maximum 150 mm from corners.
  - Rest glazing on setting blocks and push against gasket for full contact at perimeter of light or unit
  - Place glazing gasket on free perimeter of glazing in same manner described above.
  - Install prefinished wood stop without displacement of gasket. Exert pressure on gasket for full continuous contact.
  - Clean glazing in accordance with manufacturer's instructions.



Capital Planning Branch  
Direction de l'aménagement de la capitale

Design and Construction Division  
Division design et construction

director - Claude Robert - directeur

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2	FOR TENDER	2015-11-27
1	FOR INFORMATION	2015-06-24

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projet

**UNIVERSAL ACCESS  
OUTHOUSE  
Package "A"**  
Quantity: Three Units

drawing  
dessin

## SPECIFICATIONS

approved by  
approuvé par

designed by  
conçu par

drawn by  
dessiné par **K DORNER**

date **2014-08-18** scale **1:50**  
échelle

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no. du projet de la CCN no. de la feuille

DC2000-07

A-8

## FINISH SCHEDULE

	Location/ Surface	Supplier/Manufacturer (or approved equivalent)	Product Description, Name and Number (or approved equivalent)	Colour	Finish
1	Exterior wood board & batten siding	SICO	SICO 232 Water-based exterior solid stain (low VOC)	Benjamin Moore #2134-30, Iron Mountain	Satin
2	Exterior wood windows, trim and door	SICO	SICO 232 Water-based exterior solid stain (low VOC)	Sico #6104-63 - Guacamole	Satin
3	Interior T&G wood walls, windows, roof, and trim	SAMAN	SAM-830 Transparent Low VOC penetrating finish for interior and exterior	Clear	Matte/ satin

# SCHEDULE OF MATERIALS

	Material	Supplier/Manufacturer*	Product Description, Name and Number *	Colour	Finish	
1	Temporary base for transport		140mm x 140mm SPF timbers. Rough sawn lumber is acceptable.	n/a	n/a	
2	Floor perimeter beam and sleeper joists	Axion International Inc. Contact: Dave Crane (908) 542-0888	ECOTRAX 7" x 9" recycled structural plastic composite beam STRUXURE 38mm x 140mm recycled structural plastic composite boards	Black	n/a	
3	Floor structure connecting hardware		Hot dipped galvanized, zinc plated or stainless steel. Refer to drawings for detailed descriptions and sizes.	n/a	n/a	
4	Eye bolts (floor structure and base)		Galvanized Forged shoulder eye bolt 16mm diam x 250mm long	n/a	n/a	
5	Floor Surface	Plas-Tech Fabrications	Densilite TX 13mm textured HDPE plastic floor sheet, with shop welded joint	grey	n/a	
6	Hardware for installing floor surface		Stainless steel screws c/w stainless steel finishing washers		n/a	
7	Sealant at floor perimeter	Tremco	Spectrem 1 Ultra Low Modulus Silicone Joint Sealant	Black	n/a	
8	Wall framing		SPF, No. 2 grade or better, moisture content 19% (S-dry) or less in accordance with following standards: CSA O141, NLGA Standard Grading Rules for Canadian Lumber.	n/a	n/a	
	Concealed Blocking		SPF, No.2 grade or better, moisture content 19% (S-dry) or less			
	Diagonal wall bracing		20 gauge galvanized steel straps x100mm width OR let-in 38 x 89 SPF wood bracing	n/a	n/a	
9	Roof framing		No.1 grade Eastern white cedar lumber, moisture content 19% or less	transparent	STAIN	
10	Roof decking		No.1 grade Eastern white cedar, moisture content 19% or less, 19x140 tongue and groove, v-joint .	transparent	STAIN	
11	Nails, spikes and staples:		to CSA B111; galvanized to CAN/CSA-G164			
12	General purpose adhesive		To CSA O112 Series. Maximum allowable VOC limit 140/L.			
13	Wood screws:		Stainless steel, type and size to suit application.			
14	Bolts		12.5 mm diameter unless indicated otherwise, complete with nuts and washers.			
15	Exterior siding		No.1 grade Eastern white cedar board & Batten. Rough-sawn exterior face, planed interior face. Boards: 19 x 140mm, Battens 19 x 38 mm	Refer to finish schedule	STAIN	
16	Exterior trim		No.1 grade Eastern white cedar, 19mm thickness, S4S.	Refer to finish schedule	STAIN	
17	Flashing at exterior wall base	Ideal roofing	26 ga. pre-painted galvanized steel – custom bent and drilled	Charcoal 8306	Prefinished metal	
18	Flashing clip for exterior wall base	Ideal roofing	24 Ga. Galvanized flashing clip "Hook" #804	n/a	Galvanized	
19	Sealant at wall base flashing		Thermoplastic OR Butyl Rubber - Mulco Supra Expert or alternative as recommended by flashing manufacturer.	To match base flashing		
20	Interior wall finish		No.1 grade pine, 19x140 tongue and groove, v-joint. Fasteners: Galvanized or stainless steel	transparent	STAIN	
21	Door		No.1 grade Eastern white cedar, max. 10% moisture content	TBD	STAIN	
22	Door & window frames		No.1 grade Eastern white cedar	TBD	STAIN	
23	Interior trim		No.1 grade pine, rounded at one edge	transparent	STAIN	
24	Translucent Plastic Glazing	Evonik OR Altuglas International	-to CAN/CGSB-12.12, UV and impact resistant, 6mm thick, light transmission minimum 90% Acrylite Satinice Matte Acrylic sheet OR Plexiglas G	colourless	P95 Matte	
25	Glazing gasket and setting blocks		.3mm x 12mm (.125" x 1/2") self-adhesive closed cell neoprene gasket tape	Black	n/a	
26	Roofing	Ideal roofing	Pre-painted galvanized steel - Ameri-Cana panel, 26 ga.	Charcoal 8306	Prefinished metal	
27	Roofing fasteners	Ideal roofing	Powder-coated galvanized steel roofing screw 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.			
28	Roof – drip edge flashing	Ideal roofing	Ideal roofing #414 drip edge with foam closure strip	Charcoal 8306	Prefinished	
29	Roof –Ridge cap and closure strip	Ideal roofing	Ideal roofing #210 cottage roof cap with foam closure strip	Charcoal 8306	Prefinished	
30	Self-adhesive roof membrane	Grace	Ice & Water Shield	n/a	n/a	
31	Expanded metal mesh		13mm #20 stainless steel flattened expanded metal mesh	n/a	Stainless steel	
32	Insect Screen	New York Wire	Pet-D-Fence vinyl coated polyester pet resistant screen	n/a	Stainless steel	
33	Toilet riser	Alcaro plastics Inc 1-250-765-1097	Polyethylene toilet riser, 18" height with inner sleeve for connection with 20" diameter septic tank riser	TBD	N/A	
34	Toilet seat with cover	Bemis	Bemis 950 commercial heavy duty plastic toilet seat	white	n/a	
35	Clothes hook	Stanley Hardware	V8007 basic double robe hook	Black	Powder coat	
36	Washroom Grab Bars	Bobrick	32mm diameter B-6806.99 / 610mm length (Qty:2 per unit) 915 mm length (Qty.1 per unit)	N/A	Stainless Steel Satin/ peened grip	
37	Toilet paper holder	ASI or Bobrick	Surface mounted double jumbo roll toilet tissue dispenser: ASI-0040 or Bobrick B-2892	N/A	Stainless Steel	
38	Door Hardware:	a) D- pull (2)	Stanley	10-3/8" Ornamental Pull - Model 76.0885	Black	Powder coat
		b) Hinges (3)	Charnières MontRéal	4-1/2 x 4 Single acting full mortise stainless steel spring hinges	Black	Rust inhibiting paint
		c) Latch	Van Dykes Restorers	Iron gate Latch No. 201654	Black	Powder coat
		d) Door sweep	KN Crowder	W 24-S Aluminum/ nylon door sweep	Aluminum	anodized

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



Real Estate Management, Design and Construction Branch  
Direction de la gestion de l'immobilier, design et construction

Design and Construction Division  
Division design et construction

director - Claude Robert - directeur

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projet

## UNIVERSAL ACCESS OUTHOUSE

drawing  
dessin

## SCHEDULE OF MATERIALS Package "A" - Three Units

approved by  
approuvé par

designed by  
conçu par

drawn by  
dessiné par K DORNER

date 2014-10-23 scale  
échelle NTS

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DC2000-07

A-9



**GENERAL NOTES**

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**UNIVERSAL ACCESS  
OUTHOUSE**

Package "A"

Quantity: Three Units

drawing / dessin

**STRUCTURAL PLANS  
FLOOR AND BASE**

approved by / approuvé par

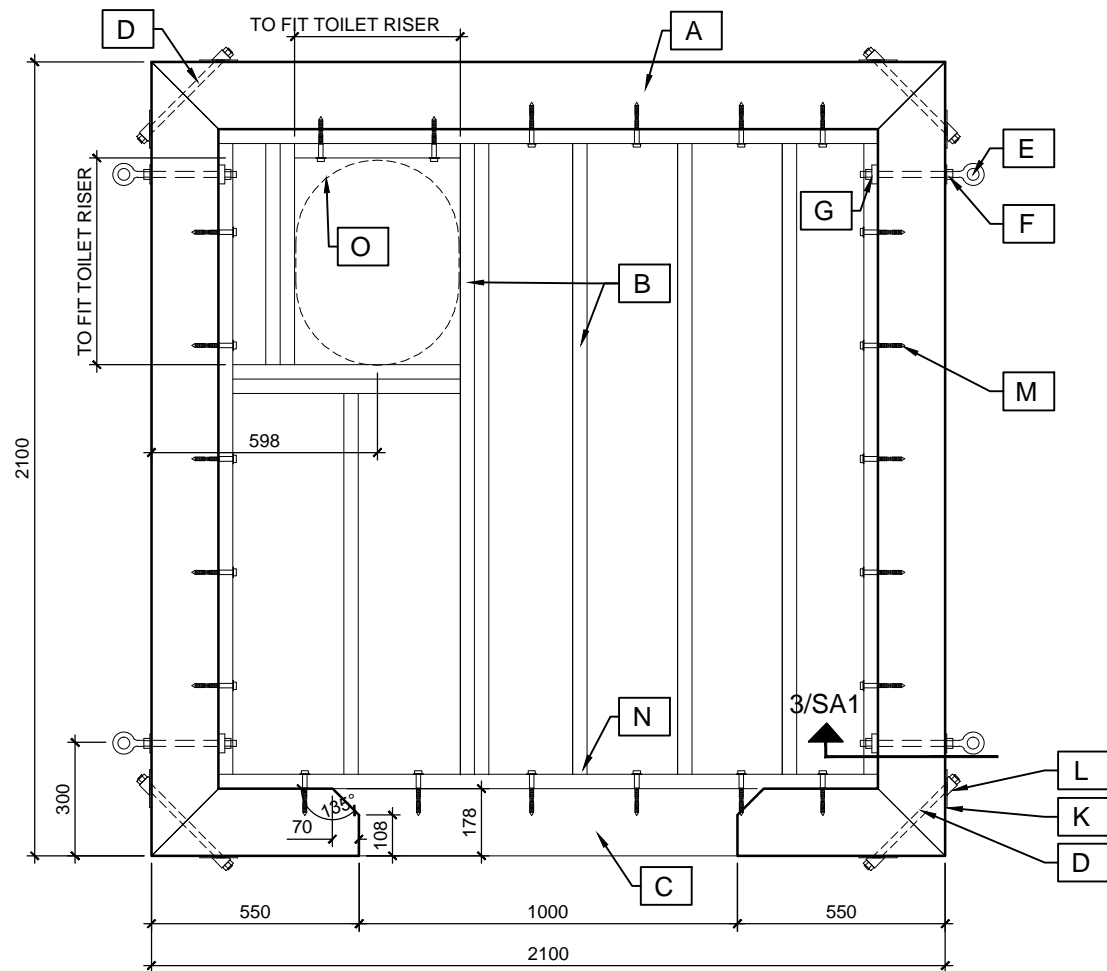
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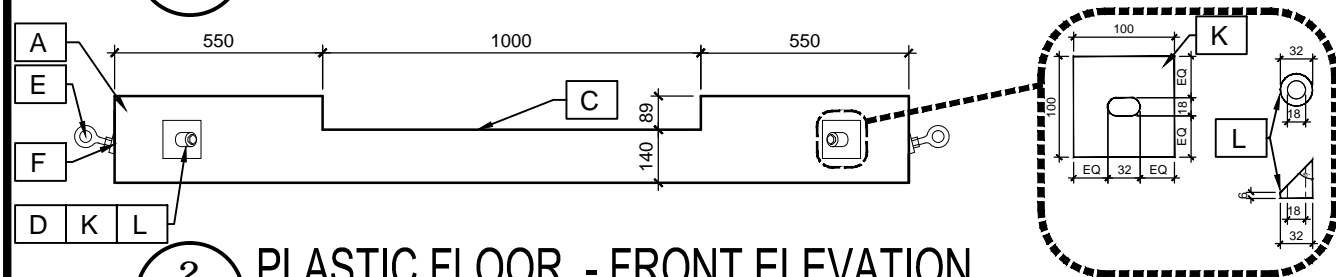
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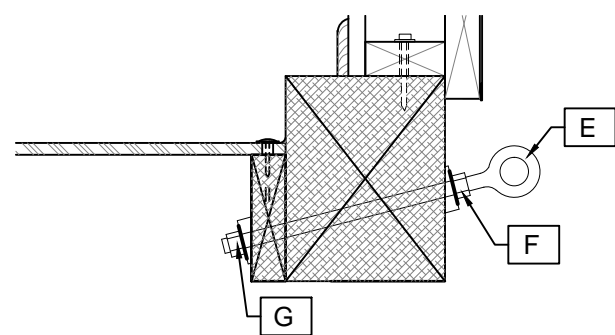
DC2000-07 SA-1



**1 PLASTIC FLOOR FRAMING PLAN**  
SA1 1:20



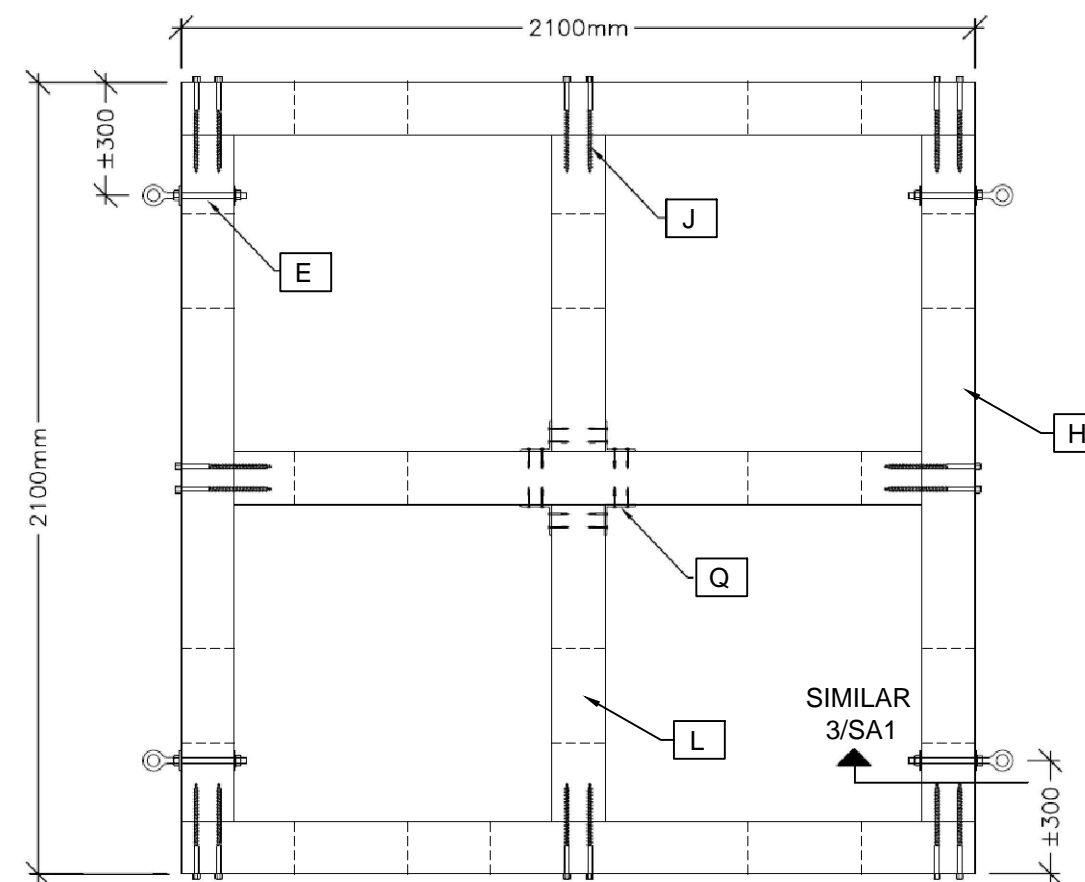
**2 PLASTIC FLOOR - FRONT ELEVATION**  
SA1 1:20



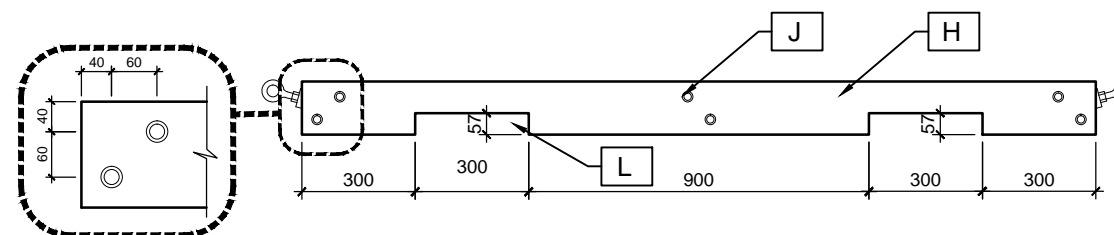
**3 SECTION DETAIL AT FLOOR-WALL JUNCTION**  
SA1 1:7.5

**NOTES: DRAWING SA1**

- A Perimeter floor beam: 178 x 229 reinforced recycled plastic railroad tie
- B 38 x 140 reinforced recycled plastic sleeper joists @ 305mm oc max. Bottom of joists shall be level with bottom of perimeter beam. Double joists at toilet opening.
- C Notch floor beam at door opening- refer to detail 2/SB1.
- D Predrill and bolt mitred corners of the plastic beams with 16mm Ø galvanized bolts or threaded rods



**4 TEMPORARY TIMBER BASE- PLAN**  
SA1 1:20



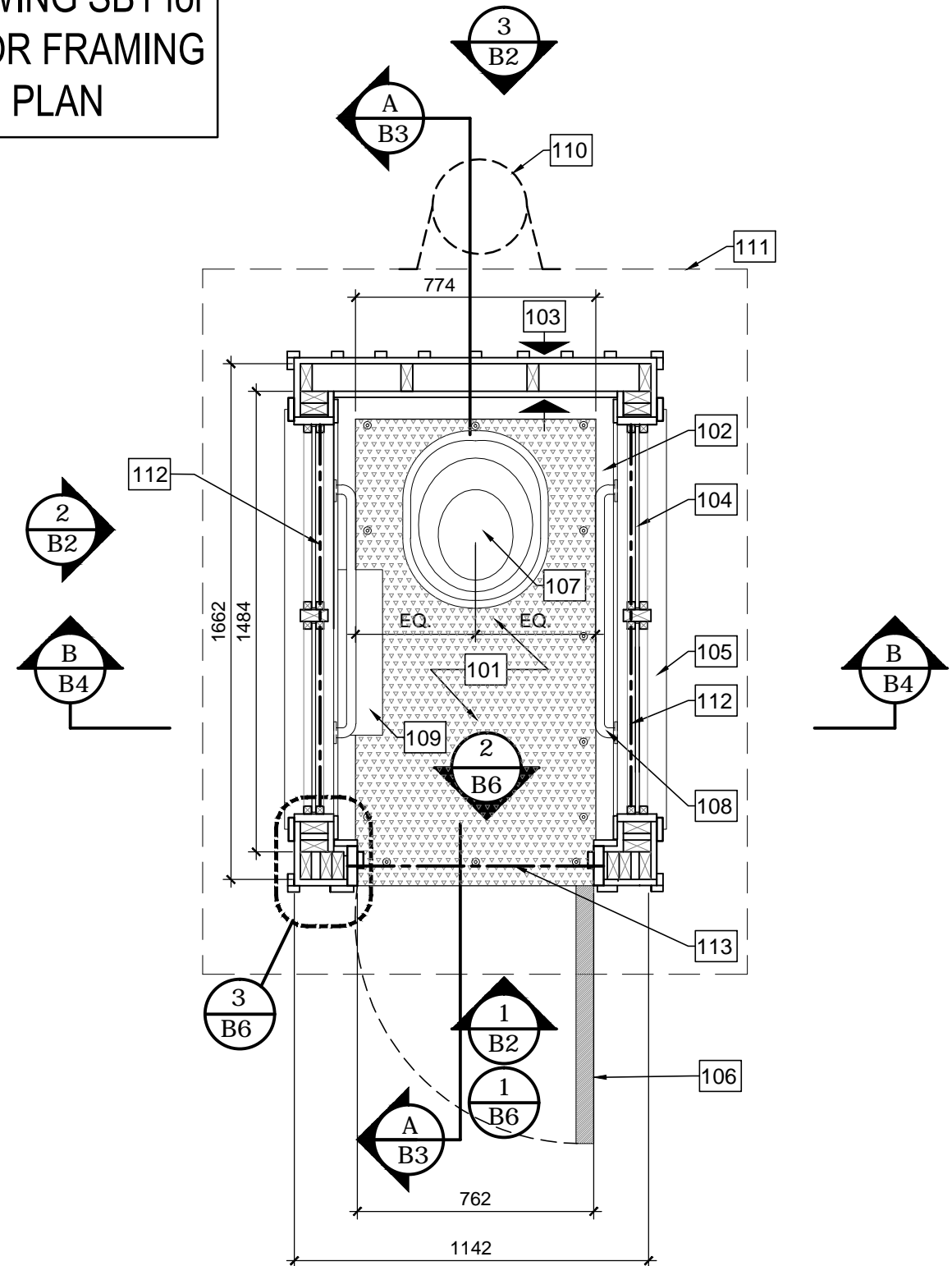
**5 TEMPORARY TIMBER BASE - ELEVATION**  
SA1 1:20

- E Forged shoulder eye bolt, 16mm Ø x 250mm long
- F Nut and tapered washer
- G Nut, lock washer and tapered washer
- H 140 x 140 timber temporary base
- J 12mm Ø X 250mm lag bolt, countersunk head and washer
- K 75mm x 75mm x 5mm galvanized or stainless steel plate with punched opening for threaded rod -refer to detail 2/S1
- L Galvanized or stainless steel 45-degree tapered washer -refer to detail 2/S1
- M 100mm x 10mm lag screws @ 300mm oc
- N Attach sleeper joists to rim joists with angled #9 x 89mm screws
- O Floor opening for toilet riser
- P Notch temporary timber base for forklift access
- Q L50 x 50 x 4.8mm x 140mm long c/w 10mmØ x 89mm lag bolts

**NOTE: ALL HARDWARE SHALL BE STAINLESS STEEL OR GALVANIZED. STRAP TEMPORARY BASE AND FLOOR TOGETHER AT EYEBOLTS FOR CONNECTION DURING TRANSPORT.**



REFER TO  
DRAWING SB1 for  
FLOOR FRAMING  
PLAN



1 PLAN  
B1

- LIST OF DRAWINGS**
- B1 PLAN
  - B2 ELEVATIONS
  - B3 SECTION A-A
  - B4 SECTION B-B
  - B5 DETAILS
  - B6 DETAILS
  - B7 SCHEMATIC INSTALLATION
  - B8 SPECIFICATIONS
  - B9 SCHEDULE OF MATERIALS
  - SB1 STRUCTURAL PLANS- FLOOR AND BASE

- NOTES: DRAWING B1**
- 101 13mm textured HDPE plastic floor. Refer to detail 3/B5 for attachment to floor structure.
  - 102 Top of perimeter floor beam: 178 x 229 reinforced recycled plastic railroad tie
  - 103 Exterior wall construction:  
Interior surface: v-joint tongue and groove pine, 19 x 140  
Framing: 38x89 SPF studs @ 400mm.oc max. c/w horizontal blocking @ 400mm o.c. max and diagonal steel bracing.  
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 915mm stainless steel grab bar (2 per unit)
  - 109 Toilet paper dispenser
  - 110 305mm Ø vent pipe. Supply only - installation by Others.
  - 111 Edge of roof above.
  - 112 2 - 38 x 140 lintel
  - 113 2 - 38 x 89 lintel



Capital Planning Branch / Direction de l'aménagement de la capitale

Design and Construction Division  
Division design et construction

director - Claude Robert - directeur

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**STANDARD OUTHOUSE**  
Package "B"  
Quantity: One Unit

drawing / dessin

**PLAN**

approved by / approuvé par	
designed by / conçu par	
drawn by / dessiné par	T KHOU / K DORNER
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projet

**STANDARD OUTHOUSE  
Package "B"  
Quantity: One Unit**

drawing  
dessin

**ELEVATIONS**

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approuvé par

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conçu par

drawn by  
dessiné par

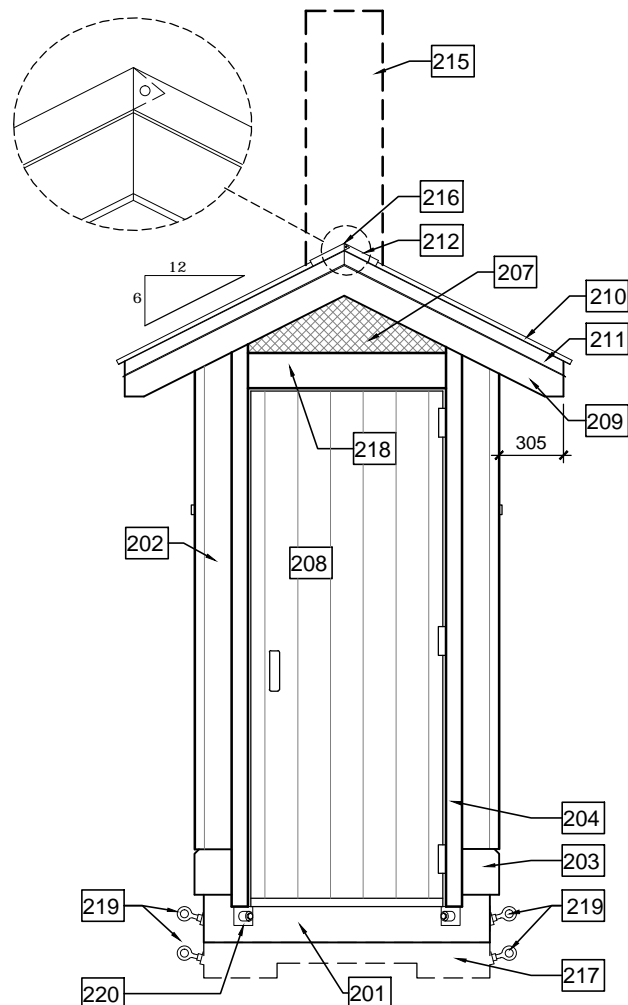
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2015-03-12

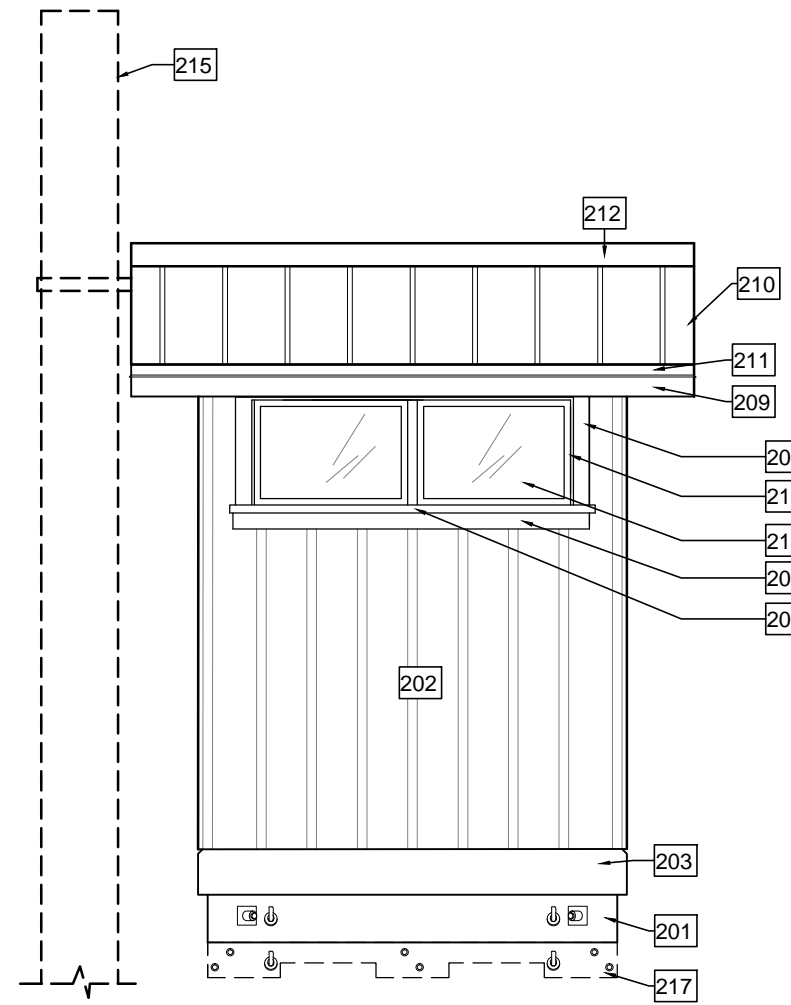
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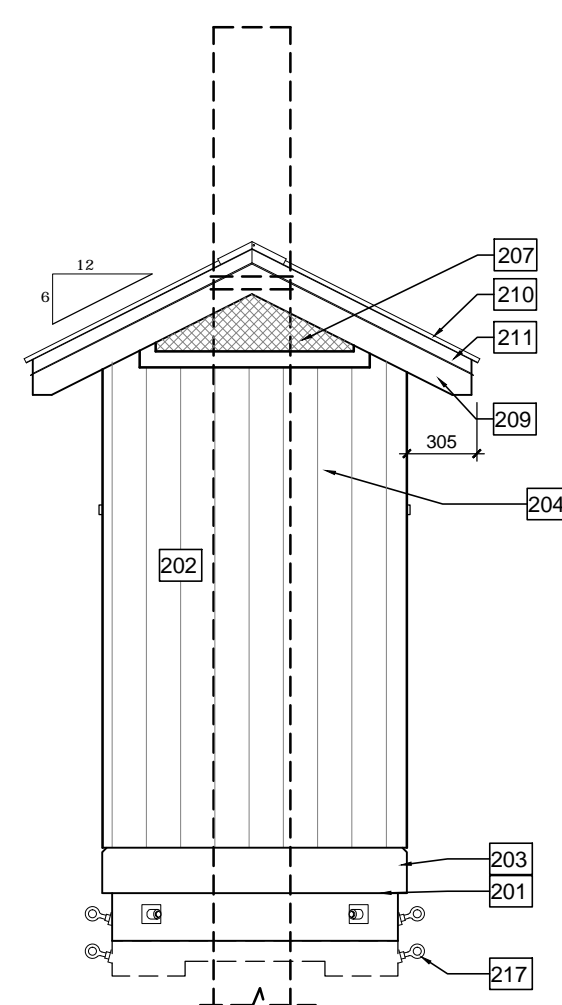
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**1 FRONT ELEVATION**  
B2



**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:<br>(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 and support hardware - supply only, installation by Others.           |
| 205 Reserved   | 216 Fold and rivet ends of ridge cap to form end closure.                                    |
| 206 Beveled cedar window sill  | 217 Temporary timber base for transport and storage - to be removed upon final installation. |
| 207 Expanded metal vent c/w insect screen  | 218 19 x 140 cedar trim  |
| 208 Wood door - refer to details on B6.  | 219 Galvanized eye bolt - refer to SB1   |
| 209 19 x 140 cedar fascia  | 220 Galvanized plate and rod corner fastener - refer to SB1                                  |
| 210 Prefinished corrugated metal roofing   |  |
| 211 Prefinished metal drip edge flashing   |  |

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**STANDARD OUTHOUSE  
Package "B"  
Quantity: One Unit**

drawing  
dessin

**SECTION A-A**

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**NOTES: DRAWING B3**

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

**302 FLOOR STRUCTURE:**

- 13mm textured HDPE plastic floor
- 38 x 140 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 fabrication, transport and delivery to prevent deflection/bending of plastic components.

303 Recycled plastic Floor beam beneath door threshold. Notch to match height of floor framing

304 Doubled recycled plastic 38 x 140 at floor opening

**305 EXTERIOR WALL CONSTRUCTION:**

- Interior surface: 19 x 140 v-joint tongue and groove pine boards
- Framing: 38x89 SPF studs @ 400mm.oc c/w horizontal blocking @ 400mm o.c.
- Diagonal bracing: 100 mm wide 206a Galvanized steel.
- 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. Refer to detail 3/B5.

308 Wood door - refer to details on B6

**309 ROOF CONSTRUCTION:**

- Prefinished metal roofing
- 16 x 64 wood strapping @ 400mm oc max
- Self-adhesive waterproofing membrane over entire roof deck
- 19 x 140 T&G v-joint cedar decking
- 38 x 89 cedar rafters @ ±350 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 and support hardware (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 38 x 89 Cedar mullion.

317 915mm grab bar screwed to solid blocking (Quantity: 2)

318 Toilet paper dispenser

319 Reserved

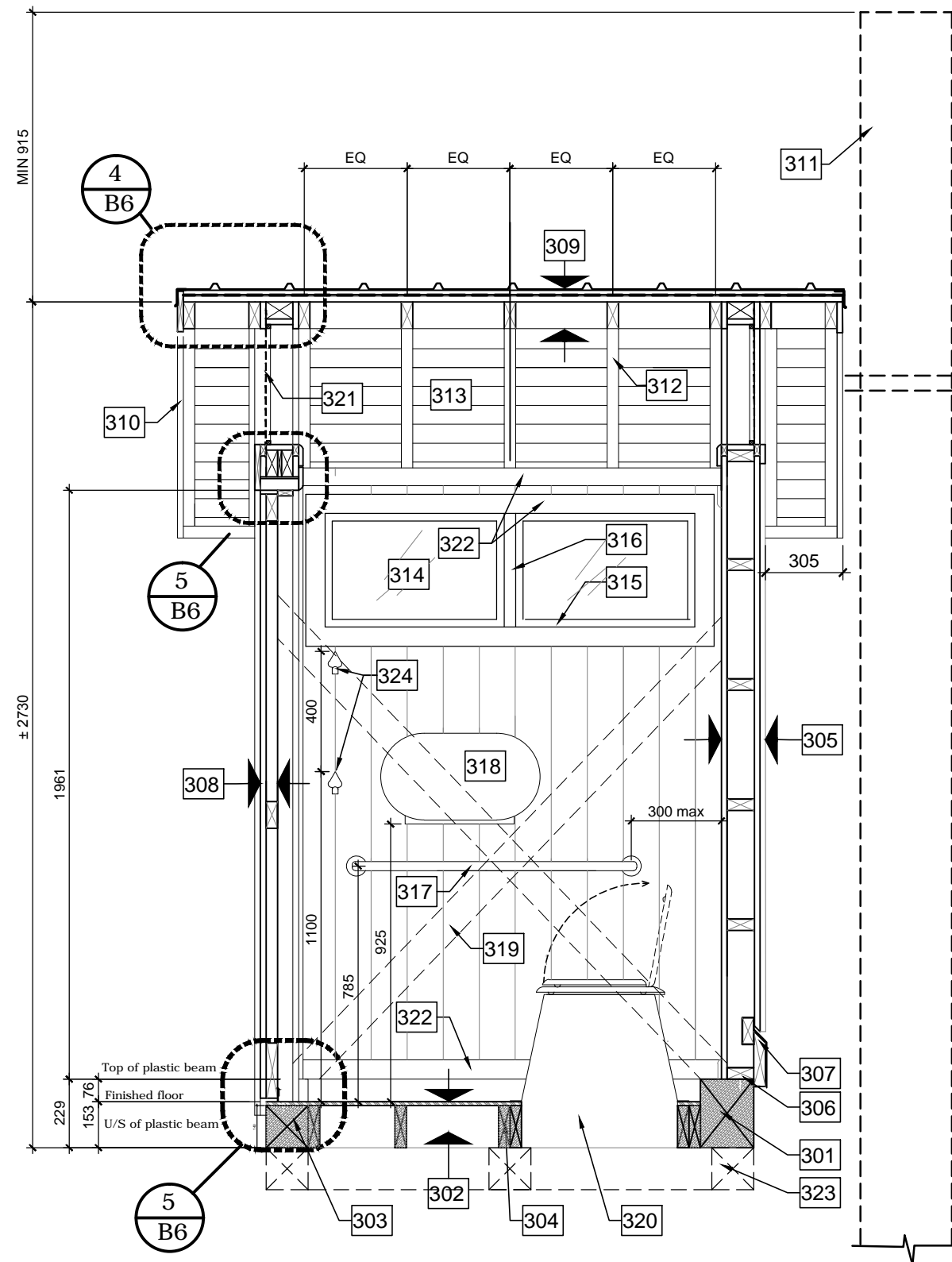
320 Waterless toilet riser c/w seat and lid

321 Stainless steel expanded metal vent panel with insect screen. Add removable translucent plexiglass panel to REAR vent opening.

322 13 x 64 pine trim

323 Temporary timber base for transport and storage - to be removed upon final installation. Refer to drawing SB1.

324 Coat hooks



**SECTION A-A**

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**STANDARD OUTHOUSE  
Package "B"  
Quantity: One Unit**

drawing  
dessin

**SECTION B-B**

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**NOTES: DRAWING B4**

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

**402 FLOOR STRUCTURE:**

- 13mm textured HDPE plastic floor
- 38 x 140 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 140 at floor opening

**404 EXTERIOR WALL CONSTRUCTION:**

- Interior surface: v-joint tongue and groove pine boards, 19 x 140
- Framing: 38x89 SPF studs @ 400mm.oc max. c/w horizontal blocking @ 400mm o.c. max.
- Diagonal bracing: 100 mm wide 20 ga Galvanized steel.
- Exterior cladding: Cedar board and batten (Boards: 19mm x 140mm; Battens:19mm x 38mm)

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

406 13 x 64 pine baseboard and ceiling trim

407 Reserved.

**408 ROOF CONSTRUCTION:**

- Prefinished metal roofing
- 16 x 64 wood strapping @400mm oc max
- Self-adhesive waterproofing membrane covering entire roof deck
- 19 x 140 T&G v-joint cedar decking
- 38 x 89 cedar rafters @±350 mm oc (equal spacing)

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

409 38x140 roof ridge

410 Prefinished metal ridge cap

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

412 Reserved

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 Diagonal wall bracing

419 Grab Bars mounted on solid blocking

420 Toilet paper dispenser

421 Reserved

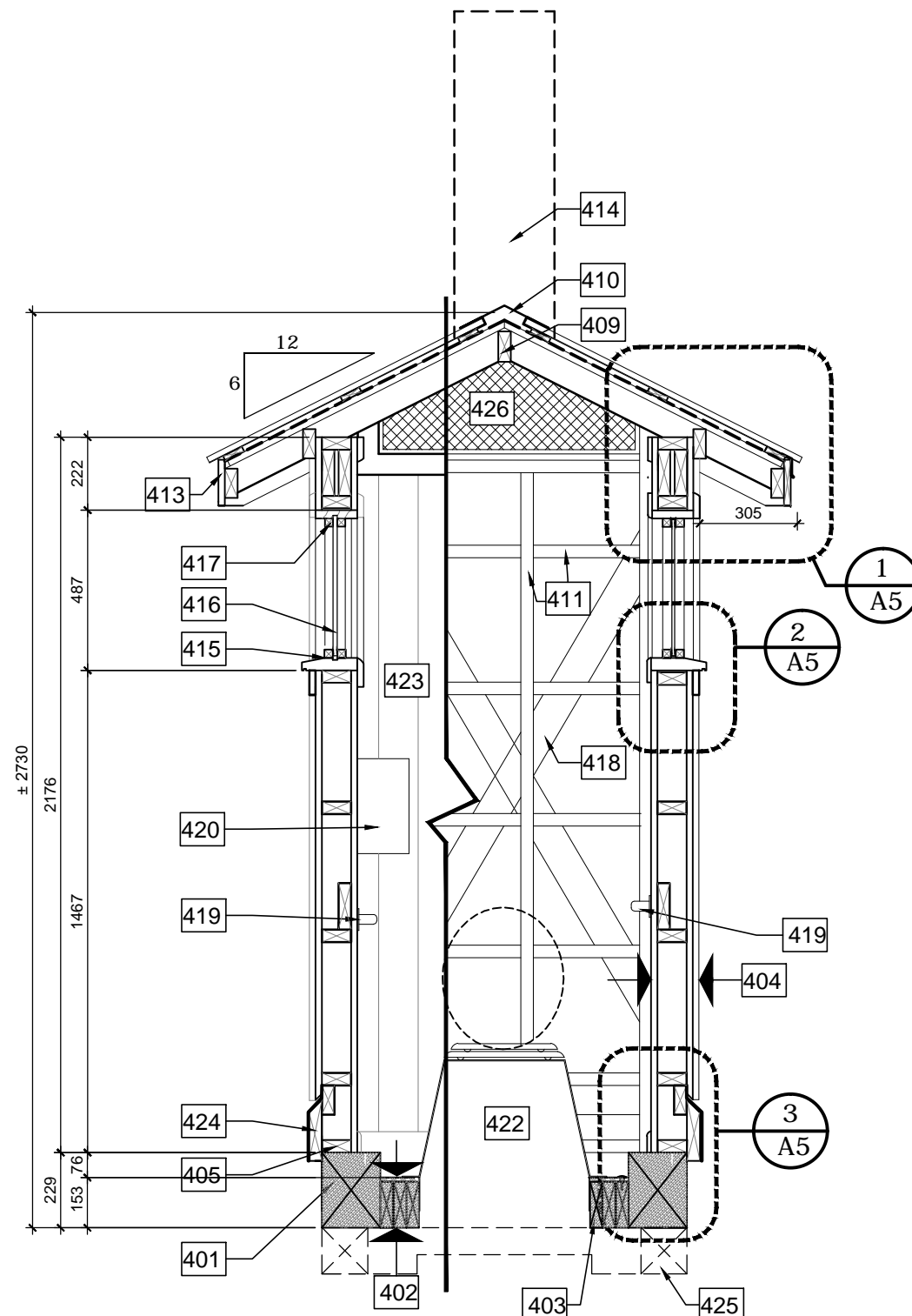
422 Waterless toilet riser c/w seat and lid

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

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

425 Temporary timber base for transport and storage - to be removed upon final installation. Refer to DWG SB-1.

426 Expanded stainless steel vent panel with insect screen. Add translucent plexiglass panel to REAR vent opening only.



**SECTION B-B**

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project  
projet

**STANDARD OUTHOUSE**  
Package "B"  
Quantity: One Unit

drawing  
dessin

**DETAILS**

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conçu par

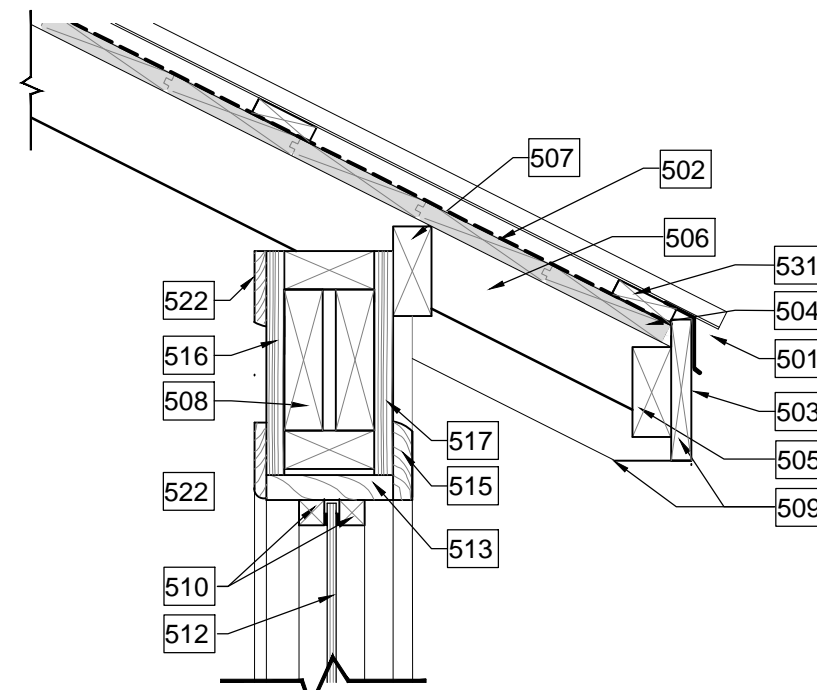
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dessiné par **T KHOU / K DORNER**

date  
**2015-03-12**

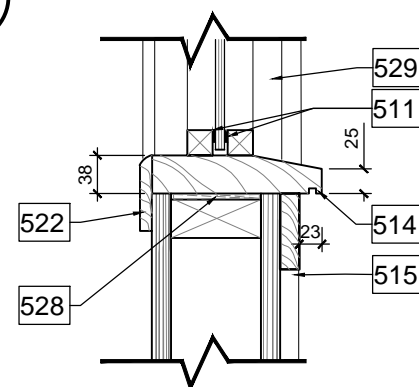
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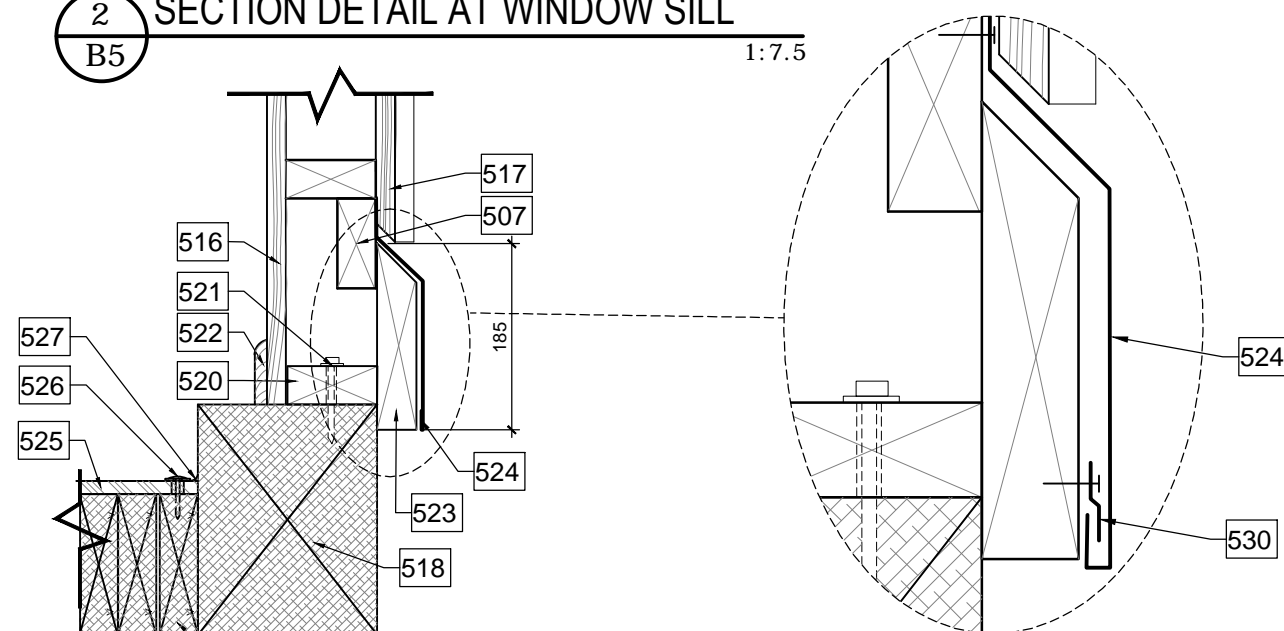
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**1 SECTION DETAIL AT EAVE/ WINDOW HEAD**  
B5 1:7.5



**2 SECTION DETAIL AT WINDOW SILL**  
B5 1:7.5



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

**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 cedar subsfascia
- 506 38 x 89 cedar rafter c/w birdsmouth notch
- 507 38 x 89 cedar blocking
- 508 2 38 x 140 lintel
- 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 25mm cedar window head/jamb
- 514 38mm thick 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 64 pine molding
- 523 38 x 184 bevelled cedar trim board
- 524 Prefinished metal flashing with hemmed bottom edge. Neatly lap and screw corner joint. Caulk joints to eliminate sharp edges.
- 525 13mm textured HDPE flooring
- 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 Sealant at floor perimeter joint between HDPE flooring and plastic beam
- 528 Cedar shims
- 529 38 x 89 cedar mullion
- 530 Galvanized steel flashing clip
- 531 16 x 64 wood strapping @400mm oc max

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- D - Refer to specifications for details regarding materials and finishes.

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no.	description	date
1	FOR TENDER	2015-11-24

project  
projet

**STANDARD OUTHOUSE  
Package "B"  
Quantity: One Unit**

drawing  
dessin

**DETAILS**

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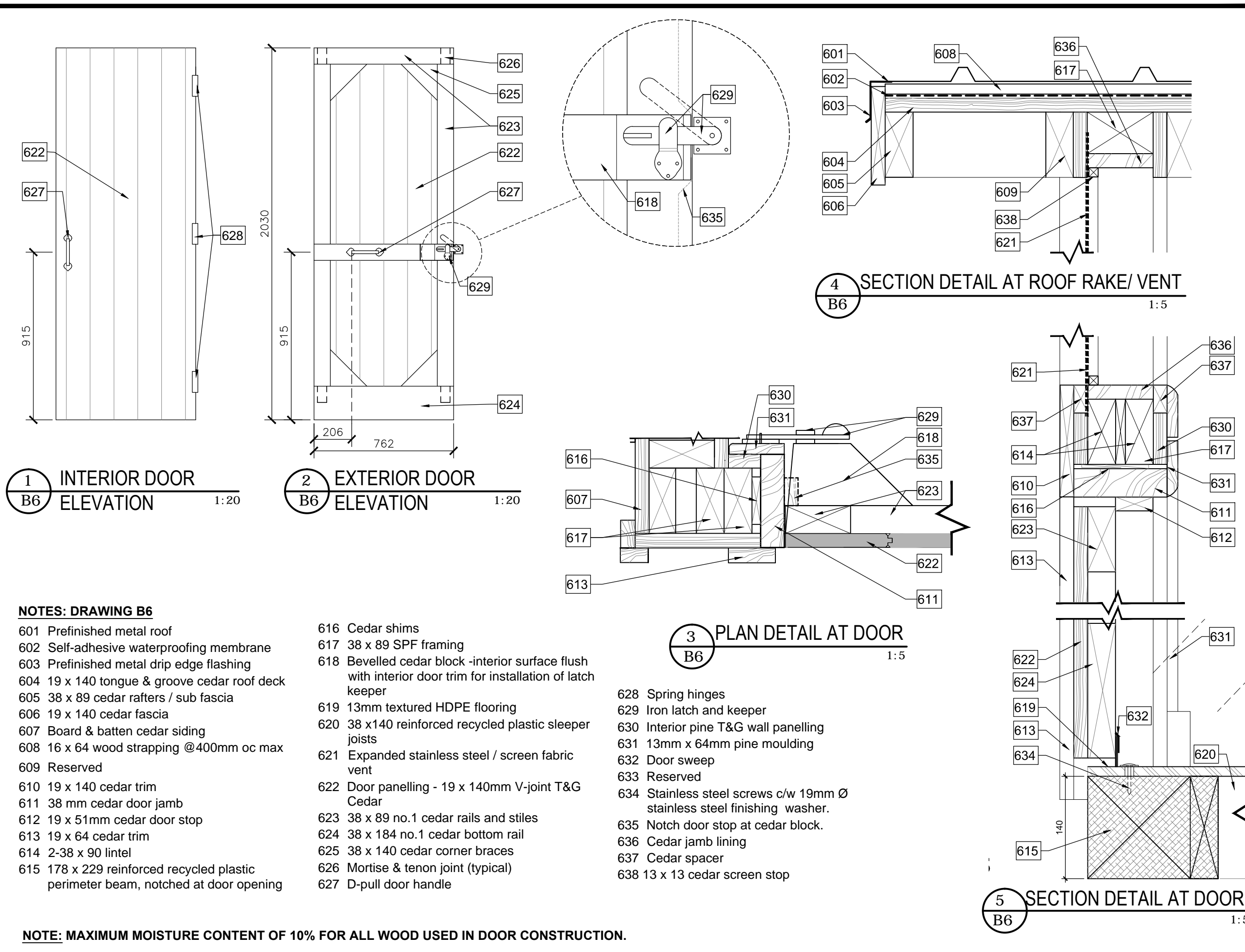
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**NOTES: DRAWING B6**

- |   |   |   |
|---|---|---|
| 601 Prefinished metal roof  | 616 Cedar shims   | 628 Spring hinges   |
| 602 Self-adhesive waterproofing membrane  | 617 38 x 89 SPF framing   | 629 Iron latch and keeper   |
| 603 Prefinished metal drip edge flashing  | 618 Bevelled cedar block -interior surface flush with interior door trim for installation of latch keeper | 630 Interior pine T&G wall panelling                                    |
| 604 19 x 140 tongue & groove cedar roof deck                                      | 619 13mm textured HDPE flooring   | 631 13mm x 64mm pine moulding   |
| 605 38 x 89 cedar rafters / sub fascia  | 620 38 x140 reinforced recycled plastic sleeper joists  | 632 Door sweep  |
| 606 19 x 140 cedar fascia   | 621 Expanded stainless steel / screen fabric vent   | 633 Reserved  |
| 607 Board & batten cedar siding   | 622 Door panelling - 19 x 140mm V-joint T&G Cedar   | 634 Stainless steel screws c/w 19mm Ø stainless steel finishing washer. |
| 608 16 x 64 wood strapping @400mm oc max  | 623 38 x 89 no.1 cedar rails and stiles   | 635 Notch door stop at cedar block.                                     |
| 609 Reserved  | 624 38 x 184 no.1 cedar bottom rail   | 636 Cedar jamb lining   |
| 610 19 x 140 cedar trim   | 625 38 x 140 cedar corner braces  | 637 Cedar spacer  |
| 611 38 mm cedar door jamb   | 626 Mortise & tenon joint (typical)   | 638 13 x 13 cedar screen stop   |
| 612 19 x 51mm cedar door stop   | 627 D-pull door handle  |   |
| 613 19 x 64 cedar trim  |   |   |
| 614 2-38 x 90 lintel  |   |   |
| 615 178 x 229 reinforced recycled plastic perimeter beam, notched at door opening |   |   |

**NOTE: MAXIMUM MOISTURE CONTENT OF 10% FOR ALL WOOD USED IN DOOR CONSTRUCTION.**

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no.	description	date
1	FOR TENDER	2015-11-24

project  
projet

**STANDARD OUTHOUSE**  
Package "B"  
Quantity: One Unit

drawing  
dessin

**SCHEMATIC INSTALLATION DRAWINGS**

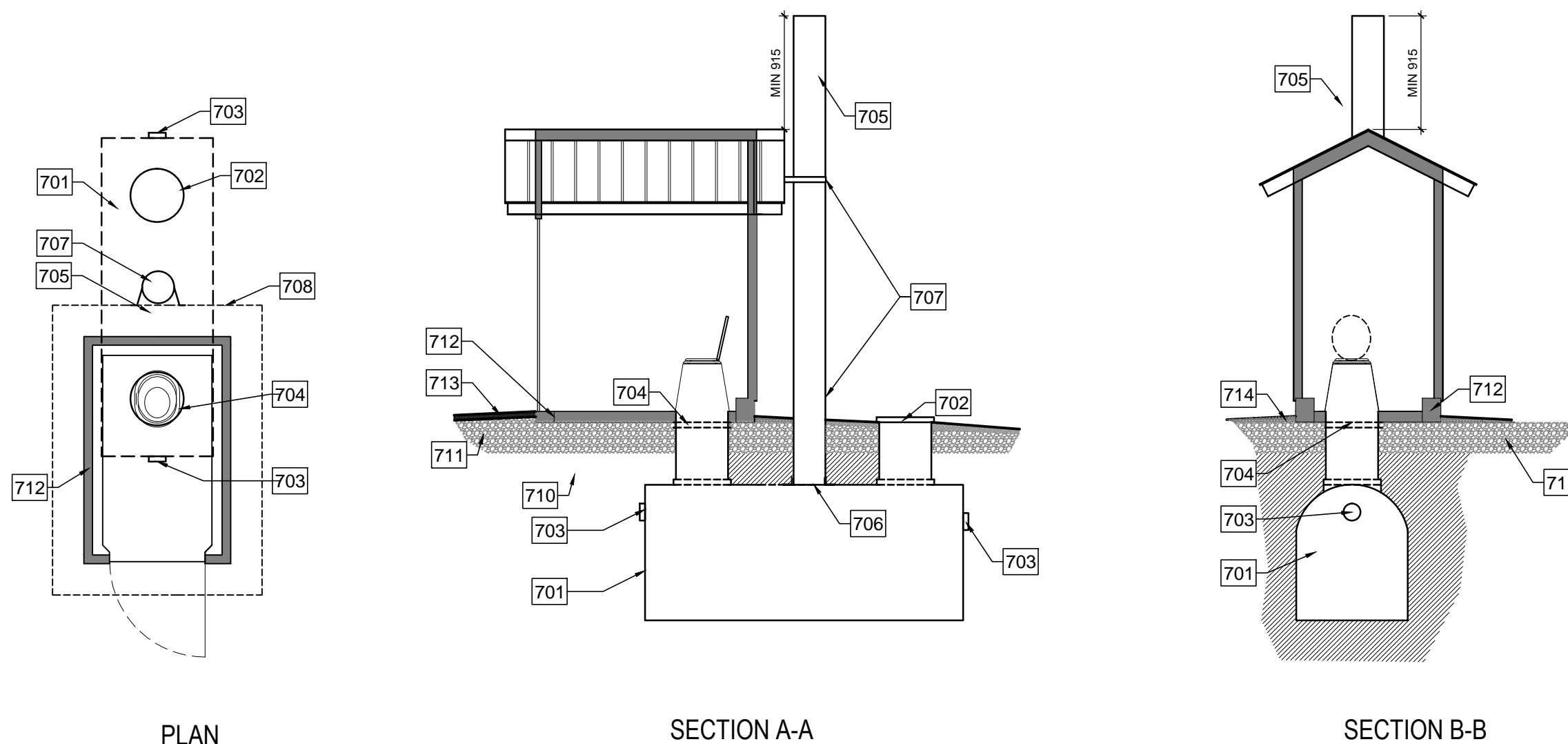
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NCC project no.  
no. du projet de la CCN sheet no.  
no. de la feuille



PLAN

SECTION A-A

SECTION B-B

**1** SCHEMATIC INSTALLATION DRAWINGS (FOR INFORMATION ONLY)  
**B7**

**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. PROVIDE VENT PIPE FOR INSTALLATION BY OTHERS.
- 706 - Cut hole in top of tank to accommodate vent pipe. Clamp and seal vent pipe to tank.
- 707 - Galvanized vent stack braces,

- 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 - Pathway to door opening, with 2% slope away from building
- 714 - Slope finished grade away from building.

# SPECIFICATIONS

1. **Standards and Conformance of Work:** 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.
2. **Portability:** The outhouses shall be portable. The units must be ready for delivery to NCC sites intact and in a manner suitable for further movement.
3. **Exterior Use:** All products, materials and equipment for work of this Contract shall satisfy the specified requirements and be of quality for exterior use.
5. **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.
6. **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 Project Officer immediately of conflicts between manufacturer's instructions and the Contract's intended use or design.
7. **Compatibility of Materials:** Only materials which are compatible shall be installed in contact with each other. Notify NCC Project Officer immediately of conflicts.
8. **Floor Sub-structure:** The sub-structure shall satisfy structural requirements as defined by the National Building Code for this public use. Contact the manufacturer for recommended instructions for cutting and joining materials.
9. **Floor surface:** The floor surface 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. Pre-drill oversize holes for fasteners to allow for material expansion and contraction.
10. **Rough Carpentry:**
  - .1 **Product specifications:** Refer to B9 "Schedule of Materials." Softwood lumber: unless specified otherwise, S4S, moisture content 19% or less in accordance with following standards:
    - CAN/CSA-O141.
    - NLGA Standard Grading Rules for Canadian Lumber.
  - .2 **Floor Structure:** Reinforced recycled plastic- refer to Schedule of Materials.
  - .3 **Composite materials:** No plywood, OSB or wood based composites may be used in the fabrication of these units.
  - .4 **Fasteners:** Stainless steel or galvanized to CAN/CSA-G164 with the exception of hardware and accessories. Fasteners for hardware and accessories shall be of the same material as the hardware and/or

- accessories
- .5 **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 to space-out and support wall and ceiling finishes, fascia, 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 Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
    - .6 Countersink bolts where necessary to provide clearance for other work. **NOTE:** Do **NOT** countersink bolts in plastic floor structure.

11. **Roof:**
  - .1 **Product specifications:** Refer to B9 "Schedule of Materials"
  - .2 **Roof underlay** (self-adhesive membrane): Lap seams minimum 100mm in direction of water flow.
  - .3 **Roofing panels:** Install with gasketed roofing screws, screw length and spacing as recommended by manufacturer. Screws may NOT penetrate through underside of roof decking.
  - .4 **Flashings:**
    - .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.

12. **Finish Carpentry**
  - .1 **References and Standards**
    - .1 Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI) Architectural Woodwork Quality Standards Illustrated, latest version.
    - .2 CAN/CSA O132.2-90 (C1996) General requirements for wood doors.
  - .2 **Product specifications:** Refer to B9 "Schedule of Materials"
  - .3 **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,

- .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 require is to be lifted and moved (possibly several times ment that the buildingin 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.

13. **Door Hardware:**
  - .1 **Product specifications:** Refer to B9 "Schedule of Materials"
  - .2 **Installation:** Install door hardware in accordance with CAN/CSA B651-12 Accessible Design for the Built Environment. Confirm location of specified hardware with NCC Project Officer. Ensure coordination w/ hardware technical sheets and templates from manufacturer.

14. **Washroom Accessories:**
  - .1 **Product specifications:** Refer to B9 "Schedule of Materials"
  - .2 **Installation:** Refer to drawings for location of installation of grab bars and other washroom accessories. Review exact location/heights w/ NCC Project Officer prior to installation. Provide adequate structural support behind wall to satisfy NBC requirements.

15. **Finish Coatings**
  - .1 **Scope:**
    - .1 Exterior: Staining of all exterior exposed wood surfaces: walls, eaves, fascia, windows, door (both sides), door jamb and exterior trims;
    - .2 Interior: Transparent finish on interior exposed wood surfaces: walls, ceilings, windows and interior trim
  - .2 **References:**
    - .1 Architectural Painting Specifications Manual, Master Painters Institue (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 **Products -Refer to B9 - 'Schedule of Materials.'** Submit colour stain samples for each specified colour to NCC Project Officer for review and acceptance a minimum 3 days prior to start of staining activities.
- .4 **Execution:**
  - .1 **Surface Preparation:** Ensure surface is clean and dust free. Protect adjacent surfaces from splatters, markings, staining or other damage from staining/painting activities.
  - .2 **Environmental Requirements:** Ensure temperature, humidity and substrate moisture content are met and provided as per paint manufacturer's recommendations. Provide adequate ventilation of the space for 48 hours following painting activities. Ensure adequate lighting is provided during painting activities.
  - .3 Pre-stain exterior wood siding and trim prior to installation and fabrication. Apply minimum 2 coats of stain to exposed exterior surfaces, as per manufacturer's instructions. Back-prime exterior siding and trim with one coat of stain prior to installation. Touch-up cut ends of boards prior to installation.
  - .4 Remove surface hardware, accessories, cover plates, mounted equipment and exposed fastenings prior to start of staining if applicable.
  - .5 Apply coats of paint/stain in continuous film. Ensure adequate drying and curing as per manufacturer's instructions in between coats.
  - .6 Touch-up nicks and scratches in finish after completion of construction.

16. **Glazing**
  - .1 **Products -Refer to B9 'Schedule of Materials.'**
  - .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 above.
    - .7 Install prefinished wood stop without displacement of gasket. Exert pressure on gasket for full continuous contact.
    - .8 Clean glazing in accordance with manufacturer's instructions.

## FINISH SCHEDULE

	Location/ Surface	Supplier/Manufacturer (or approved equivalent)	Product Description, Name and Number (or approved equivalent)	Colour	Finish
1	Exterior wood Board & Batten siding	SICO	SICO 232 Water-based exterior solid stain (low VOC)	Colour 1 -TBD	Satin
2	Exterior wood trim and door	SICO	SICO 232 Water-based exterior solid stain (low VOC)	Colour 2 - TBD	Satin
3	Interior wood T&G walls, roof, door, trim	SAMAN	SAM-830 Transparent Low VOC penetrating finish for interior and exterior	Transparent	Matte/ satin



Capital Planning Branch / Direction de l'aménagement de la capitale

Design and Construction Division  
Division design et construction

director - Claude Robert - directeur

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1	FOR TENDER	2015-11-24
no.	description	date

project / projet

## STANDARD OUTHOUSE Package "B" Quantity: One Unit

drawing / dessin

### SPECIFICATIONS

approved by / approuvé par	
designed by / conçu par	
drawn by / dessiné par	T KHOU / K DORNER
date	2015-03-12
NCC project no. / no. du projet de la CCN	
scale / échelle	
sheet no. / no. de la feuille	



# SCHEDULE OF MATERIALS

	Material	Supplier/Manufacturer*	Product Description, Name and Number *	Colour	Finish	
1	Temporary base for transport		140mm x 140mm SPF timbers. Rough sawn lumber is acceptable.	n/a	n/a	
2	Floor perimeter beam and sleeper joists	Axion International Inc. Contact: Dave Crane (908) 542-0888	ECOTRAX 7" x 9" recycled structural plastic composite beam STRUXURE 38mm x 140mm recycled structural plastic composite boards	Black	n/a	
3	Floor structure connecting hardware		Hot dipped galvanized, zinc plated or stainless steel. Refer to drawings for detailed descriptions and sizes.	n/a	n/a	
4	Eye bolts (floor structure and base)		Galvanized Forged shoulder eye bolt 16mm diam x 250mm long	n/a	n/a	
5	Floor Surface	Plas-Tech Fabrications	Densilite TX 13mm textured HDPE plastic floor sheet, with shop welded joint	grey	n/a	
6	Hardware for installing floor surface		Stainless steel screws c/w stainless steel finishing washers		n/a	
7	Sealant at floor perimeter	Tremco	Spectrem 1 Ultra Low Modulus Silicone Joint Sealant	Black	n/a	
8	Wall framing		SPF, No. 2 grade or better, moisture content 19% (S-dry) or less in accordance with following standards: CSA O141, NLGA Standard Grading Rules for Canadian Lumber.	n/a	n/a	
	Concealed Blocking		SPF, No.2 grade or better, moisture content 19% (S-dry) or less			
	Diagonal wall bracing		20 gauge galvanized steel straps x100mm width OR let-in 38 x 89 SPF wood bracing	n/a	n/a	
9	Roof framing		No.1 grade Eastern white cedar lumber, moisture content 19% or less	transparent	STAIN	
10	Roof decking		No.1 grade Eastern white cedar, moisture content 19% or less, 19x140 tongue and groove, v-joint .	transparent	STAIN	
11	Nails, spikes and staples:		to CSA B111; galvanized to CAN/CSA-G164			
12	General purpose adhesive		To CSA O112 Series. Maximum allowable VOC limit 140/L.			
13	Wood screws:		Stainless steel, type and size to suit application.			
14	Bolts		12.5 mm diameter unless indicated otherwise, complete with nuts and washers.			
15	Exterior siding		No.1 grade Eastern white cedar board & Batten. Rough-sawn exterior face, planed interior face. Boards: 19 x 140mm, Battens 19 x 38 mm	Refer to finish schedule	STAIN	
16	Exterior trim		No.1 grade Eastern white cedar, 19mm thickness, S4S.	Refer to finish schedule	STAIN	
17	Flashing at exterior wall base	Ideal roofing	26 ga. pre-painted galvanized steel – custom bent and drilled	Charcoal 8306	Prefinished metal	
18	Flashing clip for exterior wall base	Ideal roofing	24 Ga. Galvanized flashing clip "Hook" #804	n/a	Galvanized	
19	Sealant at wall base flashing		Thermoplastic OR Butyl Rubber - Mulco Supra Expert or alternative as recommended by flashing manufacturer.	To match base flashing		
20	Interior wall finish		No.1 grade pine, 19x140 tongue and groove, v-joint. Fasteners: Galvanized or stainless steel	transparent	STAIN	
21	Door		No.1 grade Eastern white cedar, max. 10% moisture content	TBD	STAIN	
22	Door & window frames		No.1 grade Eastern white cedar	TBD	STAIN	
23	Interior trim		No.1 grade pine, rounded at one edge	transparent	STAIN	
24	Translucent Plastic Glazing	Evonik OR Altuglas International	-to CAN/CGSB-12.12, UV and impact resistant, 6mm thick, light transmission minimum 90% Acrylite Satinice Matte Acrylic sheet OR Plexiglas G	colourless	P95 Matte	
25	Glazing gasket and setting blocks		.3mm x 12mm (.125" x 1/2") self-adhesive closed cell neoprene gasket tape	Black	n/a	
26	Roofing	Ideal roofing	Pre-painted galvanized steel - Ameri-Cana panel, 26 ga.	Charcoal 8306	Prefinished metal	
27	Roofing fasteners	Ideal roofing	Powder-coated galvanized steel roofing screw 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.			
28	Roof – drip edge flashing	Ideal roofing	Ideal roofing #414 drip edge with foam closure strip	Charcoal 8306	Prefinished	
29	Roof –Ridge cap and closure strip	Ideal roofing	Ideal roofing #210 cottage roof cap with foam closure strip	Charcoal 8306	Prefinished	
30	Self-adhesive roof membrane	Grace	Ice & Water Shield	n/a	n/a	
31	Expanded metal mesh		13mm #20 stainless steel flattened expanded metal mesh	n/a	Stainless steel	
32	Insect Screen	New York Wire	Pet-D-Fence vinyl coated polyester pet resistant screen	n/a	Stainless steel	
33	Toilet riser	Alcaro plastics Inc 1-250-765-1097	Polyethylene toilet riser, standard 14.5" height with inner sleeve for connection with 20" diameter septic tank riser	TBD	N/A	
34	Toilet seat with cover	Bemis	Bemis 950 commercial heavy duty plastic toilet seat	white	n/a	
35	Clothes hook	Stanley Hardware	V8007 basic double robe hook	Black	Powder coat	
36	Washroom Grab Bars	Bobrick	32mm diameter B-6806.99 / 610mm length (Qty:2 per unit) 915 mm length (Qty.1 per unit)	N/A	Stainless Steel Satin/ peened grip	
37	Toilet paper holder	ASI or Bobrick	Surface mounted double jumbo roll toilet tissue dispenser: ASI-0040 or Bobrick B-2892	N/A	Stainless Steel	
38	Door Hardware:	a) D- pull (2)	Stanley	10-3/8" Ornamental Pull - Model 76.0885	Black	Powder coat
		b) Hinges (3)	Charnières MontRéal	4-1/2 x 4 Single acting full mortise stainless steel spring hinges	Black	Rust inhibiting paint
		c) Latch	Van Dykes Restorers	Iron gate Latch No. 201654	Black	Powder coat
		d) Door sweep	KN Crowder	W 24-S Aluminum/ nylon door sweep	Aluminum	anodized
39	Vent Pipe (Supply only)		305mm diam. Rigid HDPE pipe – provide 4880mm length			
40	Vent pipe support bracket	Selkirk	Chimney wall band 10S-WB – sized to fit exterior diameter of vent pipe			

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



Real Estate Management, Design and Construction Branch  
Direction de la gestion de l'immobilier, design et construction

Design and Construction Division  
Division design et construction

director - Claude Robert - directeur

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- E - Refer to specifications for details regarding materials and finishes

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no.	description	date
01	FOR TENDER	2015-10-20

project  
projet

**STANDARD  
OUTHOUSE**

drawing  
dessin

**SCHEDULE OF  
MATERIALS**  
Package "B"  
Quantity: One Unit

approved by  
approuvé par

designed by  
conçu par

drawn by  
dessiné par **K DORNER**

date **2014-10-23** scale  
échelle **NTS**

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

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B-9

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no.	description	date
1	FOR TENDER	2015-11-24

project  
projet

**STANDARD OUTHOUSE**  
Package "B"  
Quantity: One Unit

drawing  
dessin

**STRUCTURAL PLANS**  
FLOOR AND BASE

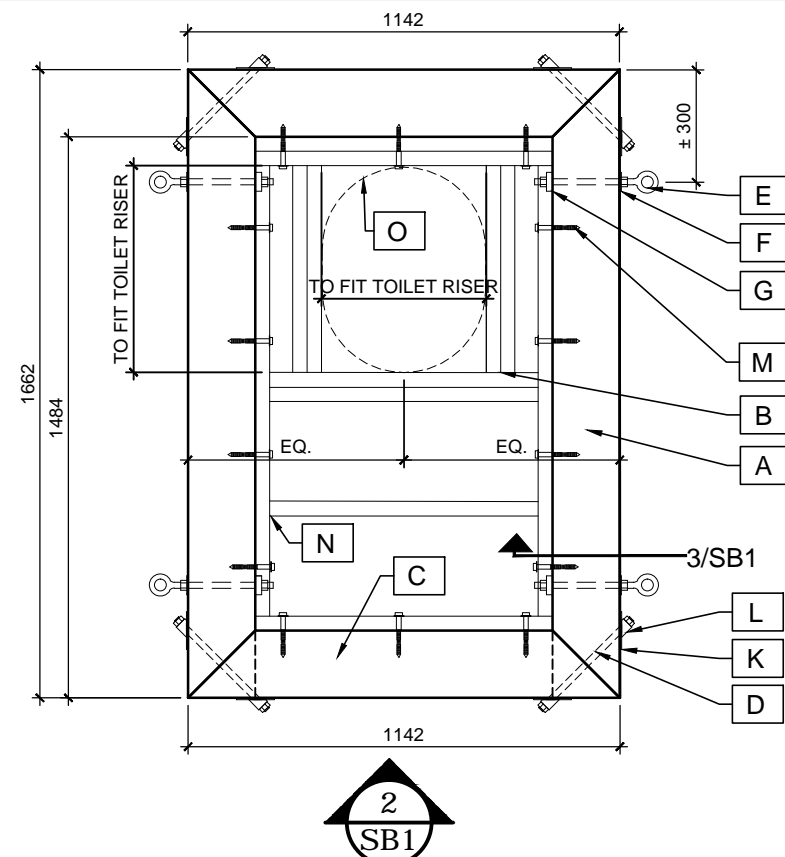
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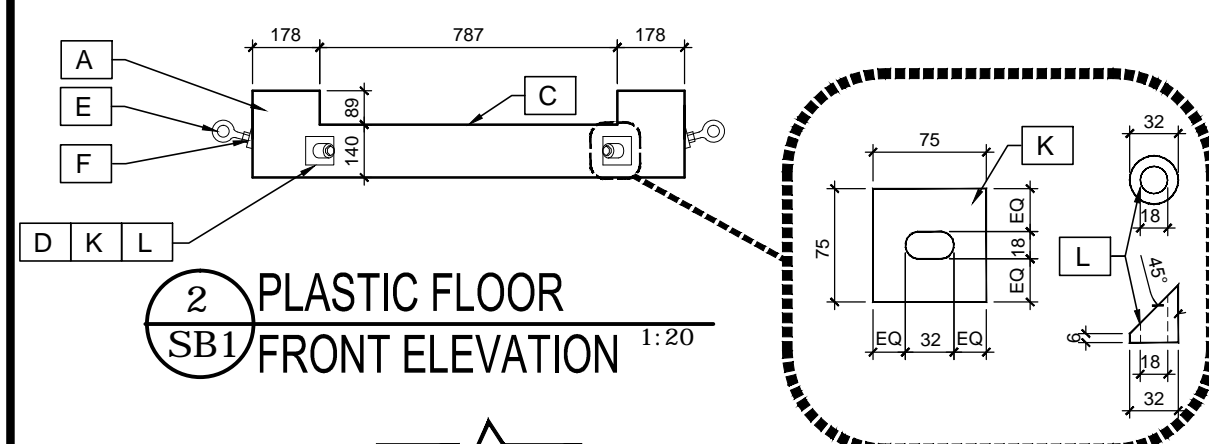
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dessiné par T KHOU / K DORNER

date 2015-03-12 scale  
échelle AS NOTED

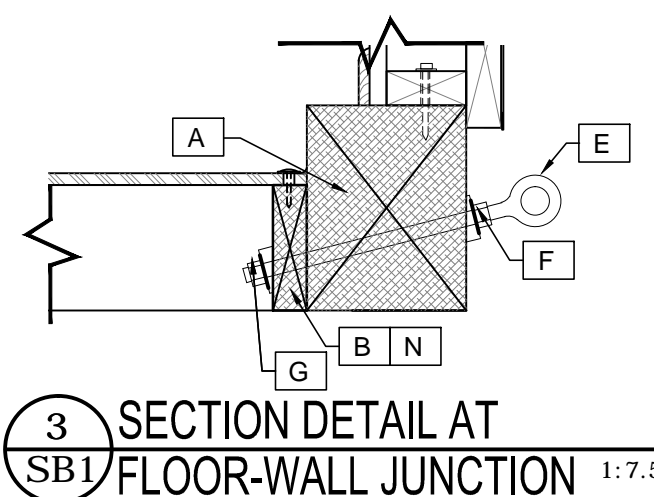
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**1 PLASTIC FLOOR FRAMING PLAN**  
SB1 1:20

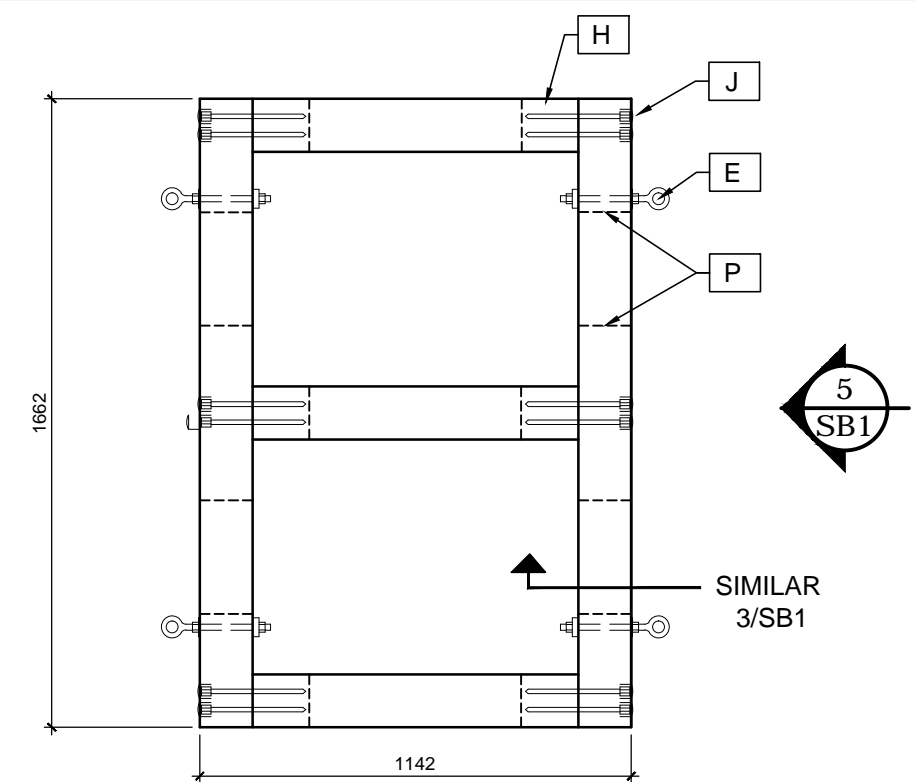


**2 PLASTIC FLOOR FRONT ELEVATION**  
SB1 1:20

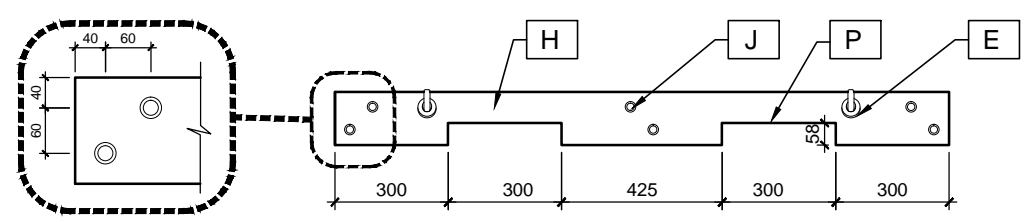


**3 SECTION DETAIL AT FLOOR-WALL JUNCTION**  
SB1 1:7.5

**NOTE: ALL HARDWARE SHALL BE STAINLESS STEEL OR GALVANIZED. STRAP TEMPORARY BASE AND FLOOR TOGETHER AT EYEBOLTS FOR CONNECTION DURING TRANSPORT.**



**4 TEMPORARY TIMBER BASE- PLAN**  
SB1 1:20



**5 TEMPORARY TIMBER BASE - SIDE ELEVATION**  
SB1 1:20

**NOTES: DRAWING SB1**

- A Perimeter floor beam: 178 x 229 reinforced recycled plastic railroad tie
- B 38 x 140 reinforced recycled plastic sleeper joists @ 305mm oc max. Bottom of joists shall be level with bottom of perimeter beam. Double joists at toilet opening.
- C Notch floor beam at door opening- refer to detail 2/SB1.
- D Predrill and bolt mitred corners of the plastic beams with 16mm Ø galvanized bolts or threaded rods
- E Forged shoulder eye bolt, 16mm Ø x 250mm long
- F Nut and tapered washer
- G Nut, lock washer and tapered washer
- H 140 x 140 timber temporary base
- J 12mm Ø X 250mm lag bolt, countersunk head and washer
- K 75mm x 75mm x 5mm galvanized or stainless steel plate with punched opening for threaded rod -refer to detail 2/S1
- L Galvanized or stainless steel 45-degree tapered washer -refer to detail 2/S1
- M 100mm x 10mm lag screws @ 300mm oc
- N Attach sleeper joists to rim joists with angled #9 x 89mm screws
- O Floor opening for toilet riser
- P Notch temporary timber base for forklift access