



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

Bid Receiving - PWGSC / Réception des
soumissions - TPSGC
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right
of Canada, in accordance with the terms and conditions
set out herein, referred to herein or attached hereto, the
goods, services, and construction listed herein and on any
attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la
Reine du chef du Canada, aux conditions énoncées ou
incluses par référence dans la présente et aux annexes
ci-jointes, les biens, services et construction énumérés
ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet CR3 Sites Shelter Requirements	
Solicitation No. - N° de l'invitation M7594-206588/C	Date 2021-05-19
Client Reference No. - N° de référence du client M7594-206588	
GETS Reference No. - N° de référence de SEAG PW-\$\$HL-670-80052	
File No. - N° de dossier hl670.M7594-206588	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2021-05-31 Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Weatherbee, Lynn	Buyer Id - Id de l'acheteur hl670
Telephone No. - N° de téléphone (873) 353-1813 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Fuel & Construction Products Division
L'Esplanade Laurier,
140 O'Connor Street,
East Tower, 4th floor,
Ottawa
Ontario
K1A 0S5

Delivery Required - Livraison exigée See Herein – Voir ci-inclus	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

This bid solicitation cancels and supersedes previous bid solicitation number M7594-206588/B, dated April 27, 2021 with a closing of May 3, 2021 at 2 PM EDT. A debriefing or feedback session will be provided upon request to bidders/offerors/suppliers who bid on the previous solicitation.

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION.....	3
1.1 STATEMENT OF REQUIREMENT.....	3
1.2 DEBRIEFINGS	3
1.3 EPOST CONNECT.....	3
PART 2 - BIDDER INSTRUCTIONS	4
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS	4
2.2 SUBMISSION OF BIDS.....	4
2.3 ENQUIRIES - BID SOLICITATION	4
2.4 APPLICABLE LAWS	5
2.5 BEST DELIVERY DATE - BID.....	5
2.6 BID CHALLENGE AND RECOURSE MECHANISMS	5
PART 3 - BID PREPARATION INSTRUCTIONS	6
3.1 BID PREPARATION INSTRUCTIONS.....	6
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION.....	9
4.1 EVALUATION PROCEDURES	9
4.2 BASIS OF SELECTION	9
PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION	10
5.1 CERTIFICATION REQUIRED WITH THE BID	10
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION.....	10
PART 6 - RESULTING CONTRACT CLAUSES.....	12
6.1 SECURITY REQUIREMENTS.....	12
6.2 REQUIREMENT - CONTRACT	12
6.3 STANDARD CLAUSES AND CONDITIONS	12
6.4 TERM OF CONTRACT.....	13
6.5 AUTHORITIES.....	13
6.6 PAYMENT.....	14
6.7 INVOICING INSTRUCTIONS.....	16
6.8 CERTIFICATIONS AND ADDITIONAL INFORMATION	16
6.9 APPLICABLE LAWS	16
6.10 PRIORITY OF DOCUMENTS.....	16
6.11 SACC MANUAL CLAUSES	16
6.12 INSPECTION AND ACCEPTANCE	17
6.13 SHIPPING INSTRUCTIONS - DELIVERY AT DESTINATION.....	17
6.14 DISPUTE RESOLUTION.....	17

Solicitation No. - N° de l'invitation
M7594-206588/C
Client Ref. No. - N° de réf. du client
M7594-206588

Amd. No. - N° de la modif.
File No. - N° du dossier
hl670.M7594-206588

Buyer ID - Id de l'acheteur
hl670
CCC No./N° CCC - FMS No./N° VME

ANNEX A STATEMENT OF REQUIREMENT
APPENDIX A SAMPLE DRAWINGS P-1 TO P-12
ANNEX B PRICING TABLE
ANNEX C REQUEST AGAINST CONTRACT
ANNEX D MANDATORY TECHNICAL CRITERIA
ANNEX E ELECTRONIC PAYMENT INSTRUMENTS
ANNEX F FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY-
CERTIFICATION

PART 1 - GENERAL INFORMATION

1.1 Statement of Requirement

The requirement is detailed under Article 6.2 of the resulting contract clauses.

1.2 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.3 Epost Connect

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

Given that many people are currently working from home and in an effort to reduce the spread of the coronavirus disease (COVID-19) within communities, offerors are highly encouraged to transmit their bid electronically using the epost Connect service. Information on the epost Connect service can be found in Part 2 entitled Offeror Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003 \(2020-05-28\)](#) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days
Insert: 90 days

2.2 Submission of Bids.

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated in the bid solicitation.

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

tpsgc.dgareceptiondessaoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 10 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

2.5 Best Delivery Date - Bid

While delivery is requested by May 1, 2021, the best delivery that could be offered is _____.

2.6 Bid Challenge and Recourse Mechanisms

(a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.

(b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's **Buy and Sell** website, under the heading "**Bid Challenge and Recourse Mechanisms**" contains information on potential complaint bodies such as:

- Office of the Procurement Ombudsman (OPO)
- Canadian International Trade Tribunal (CITT)

(c) Suppliers should note that there are strict deadlines for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (2 copies)
Section II: Financial Bid (1 copy)
Section III: Certifications (1 copy)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of hard copy of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

3.1.1 Equivalent Products

1. Products that are equivalent in form, fit, function and quality to the item(s) specified in the bid solicitation will be considered where the Bidder:
 - (a) designates the brand name and model and/or part number and NSCM/CAGE of the substitute product;
2. Products offered as equivalent in form, fit, function and quality will not be considered if:
 - (a) the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
 - (b) the substitute product fails to meet or exceed the mandatory performance criteria specified in the bid solicitation for that item.
3. In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders offering a substitute product to provide technical information demonstrating the equivalency (e.g. Drawing, specifications, engineering reports and/or test reports), or to demonstrate that the substitute product is equivalent to the item specified in the bid solicitation, at the sole cost of bidders, within three (3) business days (or other delay specified herein) of the request. If the bidder fails to provide the requested information within the specified delay, Canada may declare the bid non-responsive.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment.

3.1.2 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex “E” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “E” Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.3 Exchange Rate Fluctuation Risk Mitigation

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form [PWGSCTPSGC 450](#), Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.
2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).

Solicitation No. - N° de l'invitation
M7594-206588/C
Client Ref. No. - N° de réf. du client
M7594-206588

Amd. No. - N° de la modif.
File No. - N° du dossier
hl670.M7594-206588

Buyer ID - Id de l'acheteur
hl670
CCC No./N° CCC - FMS No./N° VME

4. At time of bidding, the Bidder must complete columns (1) to (4) on form [PWGSC-TPSGC 450](#) , for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

3.1.4 Progress Payments

Progress payments will not be considered unless specifically offered by PWGSC in this document.

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

All bids must be completed in full and provide all of the information requested in the bid solicitation to enable full and complete evaluation.

4.1.1.1 Mandatory Technical Criteria

The Bidder must provide documentation showing how they meet the technical requirements detailed in Annex "D" Mandatory Technical Criteria.

In evaluating experience, Canada will consider the experience described by the Bidder that is:

1. The Bidder's own experience (including the experience any one or more members of a joint venture bidder);
2. The experience of a subcontractor. If the Bidder has relied on the experience of a subcontractor, then, at contract award, the Bidder must, if requested by Canada, provide the guarantee of that entity for the performance of the resulting contract. If the Bidder cannot provide such a guarantee within 2 weeks of being advised that it has been recommended for contract award, Canada will be entitled to set aside its bid.

Bids not meeting these mandatory technical criteria will be declared non-responsive.

4.1.2 Financial Evaluation

4.1.2.1 Mandatory Financial Criteria

- a) The Bidder must bid a firm unit price(s) in Canadian funds, Applicable Taxes excluded, DDP Delivered Duty Paid to destination(s) Incoterms 2000, Customs Duties included for each item offered; and
- b) The Bidders' financial bid must be in accordance with the Basis of Payment.

4.1.2.2 Evaluated Price

The evaluated bid price will be the sum of the annual estimated shelter quantities multiplied by the bid unit prices for all contract years.

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certification Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all Bidders must provide with their bid, **if applicable**, the declaration form available on the Forms for the Integrity Regime website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the Ineligibility and Suspension Policy (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the Employment and Social Development Canada (ESDC) - Labour's website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list during the period of the Contract.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

There is no security requirement applicable to the Contract.

6.2 Requirement - Contract

The Contractor must provide the items detailed under the "Statement of Requirement" at Annex "A".

6.2.1 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Item 4 of Annex B of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

6.2.2 Order Procedure

A representative of the RCMP will order units directly from the Contractor using Annex C - Request against a Contract.

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

2010A (2020-05-28) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.2 Warranty – Modifications

2010A (2020-05-28), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

Section 09 entitled Warranty of general conditions 2010A is amended by deleting subsection 1 in its entirety and replacing it with the following:

1. Despite inspection and acceptance of the Work by or on behalf of Canada and without restricting any provisions of the Contract or any condition, warranty or provision imposed by law, the Contractor, if requested by Canada to do so, must replace, repair or correct, at its own option and expense any work that becomes defective or fails to conform to the requirements of the Contract, where applicable. The warranty period against manufacturers defects and workmanship for the complete shelter will be 5 years after delivery and acceptance of the Work or the length of the Contractor's or manufacturer's

standard warranty period, whichever is longer. The warranty period for the integrity of the building envelope including all seals for the complete shelter will be 5 years after delivery and acceptance of the Work or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer. The warranty period for all other deliverables will be 12 months after delivery and acceptance of the Work or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer.

All other provisions of the warranty section remain in effect.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract to _____ inclusive (*fill in end date of the period*).

6.4.2 Delivery Lead Time

Delivery must be made within 12 weeks from receipt of a request unless otherwise mutually agreed upon by the Contractor and the RCMP representative.

6.4.3 Adherence to Delivery Schedule

The contractor will promptly give notice to the Contracting Authority of its inability to meet the contract delivery schedule and will request therein an extension of time stating its proposed revised delivery schedule and offering consideration for such revisions. Until such notice is received and the revised delivery schedule agreed to, the Minister may, pursuant to the General Conditions, on the business day following the due date of delivery of any outstanding materials, terminate the whole or part of the contract for default.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Lynn Weatherbee

Supply Specialist

Public Works and Government Services Canada Acquisitions Branch

Industrial Products and Vehicles Procurement Directorate

L'Esplanade Laurier, East Tower 4th Floor – 4007, 140 O'Connor Street, Ottawa, ON,

K1A 0R5

Telephone: 819-353-1813

E-mail address: lynn.weatherbee@pwgsc-tpsgc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Project Authority

The Project Authority for the Contract is:

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail address: _____

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Technical Authority

The Technical Authority for the Contract is:

Name: _____
 Title: _____
 Organization: _____
 Address: _____
 Telephone: ____ - ____ - ____
 Facsimile: ____ - ____ - ____
 E-mail: _____

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.4 Contractor's Representative

Name and telephone number of the person responsible for:

	General Enquiries	Delivery Follow-up
Name:	_____	_____
Telephone No.:	_____	_____
Facsimile No.:	_____	_____
E-mail address:	_____	_____

6.6 Payment

6.6.1 Basis of Payment - Firm Unit Price(s)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a Firm Unit Price(s) DDP to destinations, as specified in the contract for a cost of \$ _____ CAD. Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.6.2 Terms of Payment

The following terms and conditions are incorporated herein

SACC Reference	Section	Date
H1001C	Multiple Payments	2008-05-12

6.6.3 Exchange Rate Fluctuation Adjustment

1. The foreign currency component (FCC) is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuation. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
2. For each line item where a FCC is identified, Canada assumes the risks and benefits for exchange rate fluctuation, as shown in the Basis of Payment. For such items, the exchange rate fluctuation amount is determined in accordance with the provision of this clause.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment. The exchange rate adjustment amount will be calculated in accordance with the following formula:
Exchange rate adjustment = $FCC \times Qty \times (i_1 - i_0) / i_0$
where formula variables correspond to:

FCC

Foreign currency component (per unit)

Qty

quantity of units

i_0

Initial exchange rate (CAN\$ per unit of foreign currency [for example US\$1]).

The initial exchange rate is set as the Bank of Canada rate on the solicitation closing date. The Bank of Canada publishes its rates each business day by 16:30 Eastern Time.

i_1

Exchange rate for adjustments (ERA) (CAN\$ per unit of foreign currency [for example US\$1]).

The Bank of Canada publishes its rates each business day by 16:30 Eastern Time.

- a. The ERA for goods will be the Bank of Canada rate on the date the goods were delivered.
 - b. The ERA for services will be the Bank of Canada rate on the last business day of the month for which the services were performed.
 - c. The ERA for advance payments will be the Bank of Canada rate on the last business day prior to the payment. The last published business day rate will be used for non-business days.
4. The Contractor must indicate the total exchange rate adjustment amounts (whether they are upward, downward or present no change) as a separate item on each invoice or claim for payment submitted under the Contract. Where an adjustment applies, the Contractor must submit with their invoice form [PWGSC-TPSGC 450](#) , Claim for Exchange Rate Adjustments.
 5. The exchange rate adjustment will only impact the payment to be made by Canada where the exchange rate fluctuation is greater than 2% (increase or decrease), calculated in accordance with column 8 of form [PWGSC-TPSGC 450](#)  (that is $[i_1 - i_0] / i_0$).
 6. Canada reserves the right to audit any revision to costs and prices under this clause.

6.6.4 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions

The Contractor must submit invoices in accordance with Section 10 of 2010A, General Conditions - Goods (Medium Complexity). One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Certifications and Additional Information

6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#s4>) list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____.

6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the General Conditions 2010A (2020-05-28) Goods (Medium Complexity);
- (c) Annex A, Statement of Requirement;
- (d) Annex B, Pricing Table
- (e) Annex C, Request Against a Contract
- (f) the Contractor's bid dated _____ (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award: " , as clarified on _____ " or " , as amended on _____ " and insert date(s) of clarification(s) or amendment(s)*)

6.11 SACC Manual Clauses

The following terms and conditions are incorporated herein

SACC Reference	Section	Date
D0018C	Delivery and Unloading	2007-11-30
D9002C	Incomplete Assemblies	2007-11-30
B7500C	Excess Goods	2006-06-16

G1005C	Insurance – No Specific Requirement	2016-01-28
--------	-------------------------------------	------------

6.12 Inspection and Acceptance

The Technical Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

6.13 Shipping Instructions - Delivery at Destination

1. Goods must be consigned to the destination specified in the Contract and delivered DDP Delivered Duty Paid RCMP locations in Ontario and Quebec (addresses listed below) Incoterms 2000 for shipments from commercial contractor.
 - RCMP Detachment, 925-9E Rue de L'Aéroport, Quebec City. Quebec, G2G 2S5
 - RCMP TPOF, 1427 ST Joseph Blvd, Orleans. Ontario, K1C 7K9
 - RCMP Detachment, 345 Harry Walker Pkwy S, Newmarket, Ontario, L3Y 8P6
 - RCMP RWS, 1905 Avro Rd., London, Ontario, N5V 3Z9
2. The Contractor is responsible for all delivery charges, administration, costs and risk of transport and customs clearance, including the payment of customs duties and applicable taxes.

6.14 Dispute Resolution

- a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading "**Dispute Resolution**".

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

TABLE OF CONTENTS

1	Statement of Requirements (SOR) – Design, Manufacture and Delivery	2
1.1	Overview of Requirement.....	2
2	Project Deliverables	2
2.1	Shelters	2
2.2	Designs and Design Approval Documents	2
2.3	Sample Diagrams	3
2.4	First Article Inspection (FAI).....	3
2.5	Delivery Destinations, Schedule and Acceptance	4
3	Technical Specifications.....	5
3.1	Design Criteria	5
3.2	Shelter Envelope and Structure	5
3.3	Base, Entry Deck, Stair and Floor	6
3.4	Door, Frame, and Hardware	8
3.5	Exterior Accessories	9
3.6	Interior Finishes and Accessories	10
3.7	Heating and Ventilation	12
3.8	Electrical System	13
3.9	Cable Management System.....	16
3.10	Shelter System Monitoring	17
	APPENDIX A – SAMPLE DRAWINGS P-1 to P-12	Error! Bookmark not defined.

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

1 STATEMENT OF REQUIREMENTS (SOR) – DESIGN, MANUFACTURE AND DELIVERY

1.1 OVERVIEW OF REQUIREMENT

1.1.1 The Royal Canadian Mounted Police (RCMP) has a requirement for the design, manufacture and delivery of prefabricated fiberglass telecommunications equipment shelters.

1.1.2 The quantity of shelters described in this SOR are intended for delivery to a variety of cities in the provinces of Ontario and Quebec.

2 PROJECT DELIVERABLES

2.1 SHELTERS

2.1.1 The Technical Authority (TA) will provide the first year's detailed delivery schedule required throughout the government's fiscal year (April 2021 to March 2022) upon contract award. Subsequent annual detailed delivery schedules will be provided no later than 4th of January for the next fiscal year. The delivery schedule will include date required and the ship-to address. The shelter orders will be requested a minimum of twelve (12) weeks in advance of delivery.

2.1.2 Over the 3-year contract, a firm quantity of 55 shelters will be required with an option for an additional 12 shelters.

2.1.3 Each shelter must be delivered with their applicable set of drawings inside stored near the folding work surface. When each shelter is delivered, it must have one set of printed colour drawings on D-size sheet (18"x24").

2.1.4 Each shelter must be delivered with recommended maintenance instructions and recommended maintenance schedule in both official languages (English and French) must be included with each shelter and stored near the folding work desk with the shelter drawings.

2.2 DESIGNS AND DESIGN APPROVAL DOCUMENTS

2.2.1 The Contractor must design modular telecommunications shelters to suit the specific equipment requirements listed in this Statement of Requirements and diagrams provided in Appendix A.

2.2.2 This design must comply with legislated requirements and codes of all applicable authorities having jurisdiction including but not limited to National Building Code, Ontario Building Code, and Quebec Construction Code(s).

2.2.3 Final As-built drawing packages for each size of shelter must be supplied in both official

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

languages to the Technical Authority in both Portable Document Format (PDF) and AutoCAD (.dwg) formatted for printing on D-size (18"x24") paper. If there is a difference in shelter designs between Ontario and Quebec, then a set of drawings for each Province and each size must be provided.

- 2.2.4 All design / manufacturing drawings and specifications must bear the stamp / seal and signature of a licensed Professional Engineer, licensed to practice in the Province for which the unit must be delivered.

2.3 SAMPLE DIAGRAMS

- 2.3.1 Sample diagrams can be found at Appendix A to this SOR. The diagrams demonstrate an acceptable configuration of a shelter. Any reference to an *Elevation* in the body of this SOR refers to a drawing contained within Appendix A. The drawings in Appendix A are provided as guidance for the 8'x10' shelter; and the 8'x14' shelter should be a similar design.

2.4 FIRST ARTICLE INSPECTION (FAI)

The Contractor must manufacture and assemble one First Article (FA) unit for review by the Technical Authority. The Contractor must submit fully detailed manufacturing drawings and specifications for the approval drawings in digital Adobe PDF File in a printable D-size (18"x24") format within 14 calendar days of contract award and obtain approval from the Technical Authority before starting fabrication of the FA.

- 2.4.1 The FA unit must provide evidence that all engineering, design and specification requirements are properly understood, accounted for, verified, and documented by the Contractor. The Contractor must provide the specified FA Shelter below within 12 weeks of FA drawing approval.

FA Description:

Shelter 8'W x 10'L x 8.5'H (these interior dimensions are minimum) in accordance with Annex A.

FAI will be conducted by the TA. The Contractor must facilitate a minimum of two (2) in plant inspections by the Technical Authority during the manufacturing and assembly of a FA unit. TA acceptance of the FA success will be provided in writing. The Contractor may continue production while FAI is being conducted, at its own risk. The TA will not accept the delivery of the FA unit until:

- a) FAI has been successfully completed and the FA approved.

Shelters produced before FAI has been successfully completed must be retrofitted and/or modified as required to meet the FAI acceptance criteria before Canada will accept them.

Once FAI is successfully completed, the Contractor must not change the production facility processes or subcontractor elements without TA permission.

- 2.4.2 The Technical Authority may request modifications of the design and or FA unit based on

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

inspection and any changes will be agreed to with a contract amendment and change order.

- 2.4.3 The approved FAI will establish a standard of acceptance and the balance of shelters must be manufactured based on the approved FAI. The Technical Authority will notify the Contractor, in writing, of the conditional acceptance, acceptance or rejection of the FA unit. A copy of this notification will be provided by the Technical Authority to the Contracting Authority. The notice of conditional acceptance or acceptance does not relieve the Contractor from complying with all requirements of the specification(s) and all other conditions of the Contract.
- 2.4.4 The approved FA unit will be accepted as the first delivered shelter, if it meets all the specifications listed in this Statement of Requirements and diagrams provided in Appendix A.
- 2.4.5 The Contractor may continue production while FAI is being conducted, at its own risk.

2.5 DELIVERY DESTINATIONS, SCHEDULE AND ACCEPTANCE

- 2.5.1 The Technical Authority will provide a preliminary delivery destination schedule for the government's fiscal year (April 2021 to March 2022) for review and acknowledgement by the Contractor upon contract award. Subsequent annual detailed delivery schedules will be provided no later than 4th of January for the next fiscal year.
- 2.5.2 The schedule for manufacturing will be determined by the Contractor to suit the delivery schedule issued by the Technical Authority.
- 2.5.3 Shelters and all components must be manufactured at the Contractors' or subcontractors' premises, ready for delivery to the designated location(s).
- 2.5.4 Units manufactured prior to scheduled delivery must be stored at the Contractor's premises until the confirmed delivery date.
- 2.5.5 Delivery may be delayed up to 7 days from the scheduled delivery date at the discretion of the Technical Authority. The Contractor must be prepared to store the completed units up to 7 days from the scheduled delivery at no additional cost.
- 2.5.6 Contractor to deliver all units to the designated staging sites in various cities in Ontario and Quebec as per the delivery schedule provided at Request Against Contract.
- 2.5.7 The final inspection and acceptance will be made by the Technical Authority at the delivery site subject to correction of noted deficiencies related to the shelter.

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

3 TECHNICAL SPECIFICATIONS

3.1 DESIGN CRITERIA

3.1.1 Design conditions that must be considered include but are not limited to:

3.1.1.1 Snow load, wind load and climatic conditions based on publicly available 30-year design criteria, but snow loads must meet at least 5.75 kPa (120 psf);

3.1.1.2 Other site location factors, such as foundations, soil conditions, etc. will be the responsibility of the site contractor for installation, not the shelter manufacturer.

3.1.2 The shelter must be structurally designed for piers (sonotube) and concrete slab as final installation sites will have one of these foundation types as determined by the client during site preparation.

3.2 SHELTER ENVELOPE AND STRUCTURE

3.2.1 Shelter walls, roof and end sections must be designed and manufactured using insulated fiberglass panels.

3.2.2 Construction must provide a unibody construction with no permeable seams.

3.2.3 The shelter including the floor assembly must be fully sealed to prevent precipitation, moisture, dust, bird, insect or animal ingress or nesting.

3.2.4 All envelope joints must be sealed with a flexible sealant.

3.2.5 The roof must incorporate slope to prevent pooling of water.

3.2.6 Roof must support a minimum live load of 6 kPa (125psf) for workers in addition to code prescribed live and dead (snow) loads, and suspended interior equipment loads.

3.2.7 Shelter structure must be designed to accept and support a supplied ice shield, specified below in para 3.5.1, over the entire shelter footprint including overhangs as appropriate to protect an exterior mounted HVAC unit and other service equipment externally mounted to the shelter.

3.2.8 Shelter must be provided with permanently integrated lifting eyes designed to support the entire weight of the shelter without distortion to facilitate transportation and installation.

3.2.9 Interior and exterior panel faces must be reinforced and connected by integrated structural ribs. Adhesion of inner and outer faces must not rely on bonding of the skins to the foam core for

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

structural integrity.

- 3.2.10 Thickness of external and internal skin and the sizing and composition of structural elements must suit the design criteria and imposed suspended live loads and dead loads as required by the applicable National and Provincial Building Codes and the specification above in para 3.1.
- 3.2.11 Walls, roof and structural ribs must be designed and reinforced as required to facilitate and accept installation of attached, suspended or superimposed equipment, cables or devices as illustrated in the sample design illustrations.
- 3.2.12 Interior must be provided with structural fiberglass flanges to provide structural stiffness and to facilitate fastening of suspended equipment.
- 3.2.13 Insulation must have a minimum density of 35kg/m³. and meet flame spread and smoke density in compliance with National Fire Code having jurisdiction. (ASTM E84-98 Fire Test).
- 3.2.14 Total panel thickness must ensure the following interior temperatures can be maintained assuming a functional HVAC and ventilation system.
 - 3.2.14.1 Normal interior operating temperature limits during equipment servicing by a technician between +10°C and +30°C.
 - 3.2.14.2 Normal minimum interior operating winter temperature +10°C must be maintained.
 - 3.2.14.3 Extreme interior temperature limits between -25°C and +40°C.
- 3.2.15 Exterior walls must support heavy exterior mounted equipment such as an antenna mast (as specified in para 3.8.13) and HVAC unit provided by the Contractor, and be provided with appropriate integrated reinforcement and anchors for attachment of that equipment.
- 3.2.16 Exterior panels must have a gel coat to provide a uniform weather and UV resistant finish with an integral grey colour. Final colour will be selected by the Technical Authority from the Contractor's standard range of colours.
- 3.2.17 All interior wall and ceiling surfaces must be a sealed, smooth, permanent, maintenance-free surface with an integral white colour.

3.3 BASE, ENTRY DECK, STAIR AND FLOOR

- 3.3.1 Contractor must provide a galvanized steel frame structure to support and anchor the shelter to the foundation.
- 3.3.2 The anchorage of the steel frame to the foundation must be designed in accordance with

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

applicable seismic and wind load design for the worst case of Ottawa and Quebec City.

- 3.3.3 The contractor must supply a galvanized steel framed grate entry deck that will be attached to the structural frame at the entry end of the shelter during site installation.
- 3.3.4 The contractor must provide a deck grating surface of grooved galvanized steel grate.
- 3.3.5 The entry deck must be wide enough to allow easy access into the doorway with tools and radio racks that measure 0.61m wide. All dimensions must meet or exceed minimums specified by building code and building permit authorities having jurisdiction for landings.
- 3.3.6 Deck elevation must be at a minimum 150mm below the door threshold (interior finished floor level) and a maximum of 200mm below the threshold.
- 3.3.7 The contractor must provide a code-compliant galvanized guard rail around the perimeter of the entry deck.
- 3.3.8 The contractor must provide galvanized steel stairs complete with guard and handrails on both sides to ensure safe access to the entry deck from an adjacent grade of 0.3 m (1 foot) below the shelter's foundation base.
- 3.3.9 The shelter's floor assembly must provide insulation values to conform to temperature performance criteria for the interior environment as per 3.2.14 above.
- 3.3.10 Floor assembly must be installed in the Contractor's plant prior to shipping and be fully integrated and sealed to the superstructure to prevent ingress of dust, moisture, insects, birds or vermin.
- 3.3.11 The contractor must provide the underside of floor assembly with a fully enclosed weatherproof sealed permanent barrier to prevent ingress or nesting of dust, moisture, insects, birds or vermin within the floor assembly.
- 3.3.12 The contractor must provide a floor assembly which supports proposed equipment loads and allow for secure anchorage of equipment racks. Minimum floor live load must be 12kPa (250psf) throughout; however, the drawings at Appendix A, P-2A and P-2B show the equipment loads that will be installed, so the floor design must account for these dead loads also.
- 3.3.13 The contractor must provide a floor finish of static dissipative vinyl tile or sheet flooring applied over minimum 19 mm marine grade plywood.
- 3.3.14 The contractor must provide vinyl or rubber cove baseboards on all perimeter walls of the shelter

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

with purpose made 90-degree corners.

3.3.15 All floor openings must maintain the integrity of the floor seal.

3.4 DOOR, FRAME, AND HARDWARE

3.4.1 Door

- 3.4.1.1 The contractor must provide a 914mm x 2133mm x 45mm insulated steel door, minimum 1.3mm thickness CRS skin, seamless, fully welded edges, flush top and bottom channels.
- 3.4.1.2 Door finish must be primed and factory painted with a polyurethane topcoat of Glass-Guard 2800. Primer must be compatible with topcoat. Colour: grey, from manufacturer's standard colour range.
- 3.4.1.3 Door must be installed as left-hand reverse (LHR).
- 3.4.1.4 Door must have mortise Type 86 cut out, factory prepared to accept a SCHLAGE L9480 F15 Mortise lock or equivalent.
- 3.4.1.5 Factory prepare top of door to receive door contact aligned with cut out in frame. Provide 25mm diameter hole, 50mm deep.

3.4.2 Frame

- 3.4.2.1 The contractor must provide a reinforced, thermally broken steel frame, minimum 1.6mm thickness, prepared to receive specified hardware.
- 3.4.2.2 Frame must be installed integrally with the end wall construction to provide secure anchorage.
- 3.4.2.3 The contractor must provide an integral strike bucket aligned with mortise lock or equivalent to receive minimum 25 mm throw deadbolt.
- 3.4.2.4 The contractor must reinforce frame around strike bucket to prevent spreading.
- 3.4.2.5 The contractor must prepare frame with 25.4mm diameter opening 50.8mm deep 90mm from lockset side of door to receive door contact.
- 3.4.2.6 The contractor must provide conduit from door contact location in frame to junction box JB1 located above door on interior. See sample drawing P-4.
- 3.4.2.7 The contractor must provide a frame that is factory primed and painted to match door colour.

3.4.3 Hardware

- 3.4.3.1 The contractor must provide a mortise lockset, SCHLAGE L9480 F15 Mortise lock or equivalent.

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

- 3.4.3.2 The contractor must provide construction key cylinders keyed identically for all shelters with 2 keys per shelter.
- 3.4.3.3 The contractor must provide hinges – 1-1/2 pair - McKinney T4A3386 SST heavy weight non-removable pin hinges or equivalent.
- 3.4.3.4 The contractor must provide a mortise lock cylinder cover - Grimestopper GS-M/R or equivalent.
- 3.4.3.5 The contractor must provide a door closer – LCN 4040XP series closer with aluminium colour, metal cover, parallel arm with hold open function or equivalent.
- 3.4.3.6 The contractor must provide an automatic door bottom – surface applied, Pemko 530C or equivalent.
- 3.4.3.7 The contractor must provide a threshold – Pemko 270A or equivalent, complete with stop bar, Pemko 196A or equivalent.
- 3.4.3.8 The contractor must provide an astragal – full length, screwed to the door exterior with minimum nine (9) - 6.4mm stainless steel carriage bolts from exterior retained by interior nickel JCN hex nuts fastened through inner plate. Installation of plates and fasteners must be clear of weather stripping. Astragal must be sealed to the door with approved sealant to ensure all screw penetrations are fully air/insect tight. The astragal must be coordinated with the strike plate to allow proper door closure and there must not be any sharp edges on the astragal or strike pate that could cause a health and safety risk to personnel.
- 3.4.3.9 The contractor must provide weather stripping – KNC W-48 clear anodized aluminum with spring loaded adjustable mechanism and closed cell neoprene seal. Seal all gaps with approved sealant to ensure full airtight and insect tight installation.
- 3.4.4 The contractor must provide a rainwater deflector – integrated fiberglass rainwater deflector, complete with drip edge, installed over the door frame to extend a minimum of 50mm out from the wall face and to provide a maximum clearance of 12.5mm from the top of the door.

3.5 EXTERIOR ACCESSORIES

3.5.1 Ice Shield

- 3.5.1.1 The contractor must design and supply an ice shield to cover the entire surface area of the shelter footprint, extending to cover attached exterior equipment such as but not limited to HVAC unit and incoming electrical service panels.
- 3.5.1.2 The contractor must design the ice shield to accommodate openings for externally mounted equipment or masts extending above the level of the ice shields.
- 3.5.1.3 The contractor must manufacture the Ice shield to accept imposed snow loads and live loads for service personnel and tools.
- 3.5.1.4 The contractor must manufacture the ice shield using factory galvanized grooved steel grating surface and framing to suit.

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

- 3.5.1.5 The contractor must mount ice shield to anchor points in the roof structure designed and installed for the purpose. Anchor points and anchors are not to penetrate through the exterior envelope of the roof or walls.

3.5.2 Attachments and Penetrations

- 3.5.2.1 The contractor must provide all exterior surface accessories and fasteners made of factory galvanized steel or stainless steel.
- 3.5.2.2 The contractor must provide integrated reinforcements in walls, roof and floor for all planned attachments and penetrations.
- 3.5.2.3 The contractor must provide integrated through-wall fasteners to attach and support indicated masts, antennae or other devices.
- 3.5.2.4 All penetrations of the envelope for equipment or attachment support must be factory installed and sealed to allow for attachment of devices on site without new penetrations of the envelope.
- 3.5.2.5 The contractor must provide envelope penetrations of the walls, roof or floor for cables and or other services as required or as illustrated in the sample drawings.
- 3.5.2.6 All penetrations for cables or other services must be factory prepared and provided with non-conductive sleeves to accept proposed services.
- 3.5.2.7 Sleeves must be installed and sealed to prevent ingress of dust, moisture, insects, birds and rodents using approved sealants.
- 3.5.2.8 The contractor must provide weatherproof caps for all sleeves installed for shipping and or permanent placement and seal.
- 3.5.2.9 The contractor must fill all sleeves with removable insulating wool.

3.6 INTERIOR FINISHES AND ACCESSORIES

(Refer to Appendix A – sample drawings for specific locations and details)

3.6.1 Plywood backer boards.

- 3.6.1.1 The contractor must supply and install 19mm thick Good-One-Side (G1S) fir plywood backer boards for attachment of equipment as illustrated on the sample drawings. Refer to elevations G and F for sizes and locations.
- 3.6.1.2 The contractor must provide all plywood mounting boards painted with fire retardant paint – colour grey.
- 3.6.1.3 The contractor must provide integral supports in exterior wall panels for attachment of backer boards and supported equipment.
- 3.6.1.4 The contractor must provide the board on elevation G 915mm x 1220 to receive the

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

following:

- 3.6.1.4.1 Communication equipment;
- 3.6.1.4.2 Primary bonding bar (PBB) Type BURNDY Model BBB14412E (or equivalent);
and
- 3.6.1.4.3 Coaxial cables coming from the ground through the floor.
- 3.6.1.5 The contractor must provide the board on elevation F 1220 x 2440 to receive the following:
 - 3.6.1.5.1 Primary power disconnect point;
 - 3.6.1.5.2 Main electrical distribution center;
 - 3.6.1.5.3 AC transfer switch;
 - 3.6.1.5.4 Electrical connection boxes as noted;
 - 3.6.1.5.5 GFE Security equipment; and
 - 3.6.1.5.6 BIX block.
- 3.6.1.6 The contractor must provide board on elevation F, a minimum of 590mm x 740mm, above main backer board and aligned with the external electrical meter to receive the following:
 - 3.6.1.6.1 Support screws (Micro electric MM400 or equivalent) to attach and support an exterior mounted electrical mast. (Refer to sample drawings P1, elevation B and P-5 elevation F);
 - 3.6.1.6.2 Reinforce wall as required to support externally mounted electrical service pole;
and
 - 3.6.1.6.3 Seal all penetrations.
- 3.6.1.7 The contractor must provide a board on elevation E a minimum of 610mm x 610mm and mounted at least 1100mm AFF to mount first aid kit and eyewash bottle.
- 3.6.2 Interior Accessories
 - 3.6.2.1 Work Surface:
 - 3.6.2.1.1 The contractor must supply and install a folding work surface as illustrated in the sample drawings;
 - 3.6.2.1.2 Surface must be a minimum of 610mm x 914 mm (24 in x 36 in)
 - 3.6.2.1.3 All surfaces must be finished in plastic laminate or constructed of durable, cleanable material (colour-white);
 - 3.6.2.1.4 The contractor must attach work surface to the structure of the wall to ensure rigid installation and capability to support a working live load of minimum 100lbs;
and
 - 3.6.2.1.5 When in folded position work surface and support must not impede clear use of floor area adjacent.
 - 3.6.2.2 The contractor must supply and install safety equipment as follows:

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

- 3.6.2.2.1 Wall-mounted Fire Extinguisher 5 lb., UL Rating: 2-A:10-B:C or better;
- 3.6.2.2.2 Hard case first aid kit that meets minimum requirements of Ontario Reg. 1101: FIRST AID REQUIREMENTS Section 8; and
- 3.6.2.2.3 Wall-mounted Two-bottle Eye Wash Station.
- 3.6.2.3 The contractor must provide the following miscellaneous accessories:
 - 3.6.2.3.1 Two (2) wall mounted coat hooks; and
 - 3.6.2.3.2 One wall mounted broom holder with broom and dust pan.

3.7 HEATING AND VENTILATION

- 3.7.1 The contractor must provide the shelter, including the floor assembly, fully sealed to prevent precipitation, moisture, dust, bird, insect or animal ingress or nesting. Only the active ventilation system must allow air movement.
- 3.7.2 The contractor must supply and install a unit mounted Heating Ventilation Air Conditioning (HVAC) system with the following performance characteristics:
 - 3.7.2.1 Unit must be commercial grade and installed on exterior “elevation C” as illustrated the sample drawings;
 - 3.7.2.2 Heating, cooling and ventilation must maintain the interior operating temperatures specified in item 3.2.15 above, taking into consideration local climatic data, solar heat gain, and interior communication equipment heat loads;
 - 3.7.2.3 For an 8’x10’ shelter, HVAC unit must accommodate a communication equipment heat load of 12,000 BTUs;
 - 3.7.2.4 For an 8’x14’ shelter, HVAC unit must accommodate a communication equipment heat load of 24,000 BTUs;
 - 3.7.2.5 External intake and exhaust vents must prevent entry of wind driven rain or snow into the unit;
 - 3.7.2.6 Intake and exhaust vents must include screens and filters to prevent ingress of dust, insects, birds or vermin;
 - 3.7.2.7 Interior and exterior temperature sensors connected to the BIX block monitoring system must be provided to manage operations of HVAC and free cooling fans to ensure free cooling is utilized whenever conditions meet criteria for operation (this could be provided by an economizer or separate fans);
 - 3.7.2.8 Operate on 240 Volts Alternating Current (VAC) in normal day-to-day operation; and
 - 3.7.2.9 In the case of an Alternating Current (AC) line voltage power failure, the HVAC system must provide:

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

- 3.7.2.9.1 an intake fan and an exhaust fan (refer to Item 19 on sample drawing P-2 and P-9). which can be operated from a -48VDC (Direct Current) backup power source mounted internally in the GFE Power Rack;
- 3.7.2.9.2 high-efficiency fans that draw no more than 250 watts total for both fans;
- 3.7.2.9.3 fans that provide at least 800 cubic feet per minute (cfm) flow each and be simultaneously controlled using a temperature control device that will turn on the fans at the set temperature (to include a range that has 35C to 60C available) and is wired to the BIX block monitoring system to indicate when fans are running;
- 3.7.2.9.4 vents with motorized thermostatically controlled dampers or shutters responsive to adjustable interior temperature set points; and
- 3.7.2.9.5 vent covers and/or filters that will prevent ingress of insects, birds, and vermin; and
- 3.7.2.9.6 this capability can be accomplished using an integrated economizer or separate fans.

3.8 ELECTRICAL SYSTEM

- 3.8.1 The contractor must provide commercial grade electrical equipment approved for use in Canada, and provide installations which comply with applicable provincial Ontario or Quebec electrical codes.
- 3.8.2 All shelters' electrical wiring and equipment installed by the manufacture must meet Quebec and Ontario electrical codes. In the event that Ontario's requirements exceed those of Quebec, then all shelters must be built to Ontario's code, or vice versa as applicable.
- 3.8.3 The contractor must provide exterior enclosures which are weather resistant and manufactured from corrosion-resistant metal or PVC.
- 3.8.4 The contractor must design and manufacture each shelter to receive power inputs from 240VAC line voltage and portable generator power (*Generator will be GFE*).
- 3.8.5 The contractor must provide wall reinforcement and pre-installed attachment points for electrical mast, as applicable.
- 3.8.6 The contractor must provide all electrical wiring contained in minimum 12.5mm EMT conduit. Conduit sizes to suit installation and applicable Code requirements. Conduits and electrical junction boxes must be surface mounted and connected to the power distribution center.
- 3.8.7 The contractor must supply and install the following interior electrical equipment:
 - 3.8.7.1 One (1) Square D or equivalent, 240/120VAC, single phase, 200 Amp main circuit disconnect and breaker panel with at least 30 full size breaker spaces with all circuit breakers installed and labelled that are being called up in this document and drawings (Breaker layout on Appendix A, P-9);

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

- 3.8.7.2 One (1) ASCO Series 300 complete with 72EE option or equivalent, automatic transfer switch;
 - 3.8.7.3 One (1) MODBUS network controller to communicate with the transfer switch to read the generator status. A terminal block with a normally closed (N/C) and normally open (N/O) contact arrangement must be routed from the automatic transfer box to the external waterproof generator connection housing;
 - 3.8.7.4 Six (6) 120VAC/15 Amps Twist Lock North American Manufacturers' Association (NEMA) 5-15R, fed from six distinct circuit breakers. Outlets must be installed evenly distributed and aligned on the long side of the cable tray;
 - 3.8.7.5 Six (6) 120VAC/20 Amps Twist Lock NEMA 5-20R power outlets, powered by six distinct circuit breakers must be installed on the cable tray and must be evenly distributed and aligned on the long side of the cable tray;
 - 3.8.7.6 Seven (7) 120VAC 15 Amps NEMA 5-15R straight blade duplex receptacles c/w stainless steel cover plates must be installed on wall Elevations F, G and H;
 - 3.8.7.7 Conduit, wiring and disconnect to meet specifications of supplied HVAC unit;
 - 3.8.7.8 Conduits, wiring and controls for the supply and exhaust ventilation fans;
 - 3.8.7.9 Primary bonding bar (PBB) - BURNDY Model BBB14412E (or equivalent) installed at the specific height illustrated on wall Elevation G; and
 - 3.8.7.10 Equipment bonding bus conductor - AWG #2/0 (19 stranded copper wires, green insulated). Attach bonding conductor to the cable tray system using THOMAS & BETTS 10105 (or equivalent) fasteners 400mm on centre for the entire length of the longest tray section. Terminate equipment bonding bus conductor using BURNDY Model YAZV2C2TC38FXSL (or equivalent) compression terminal bolted to the Primary Bonding Busbar (PBB) using two bolts.
- 3.8.8 The contractor must supply and install conduits, and junction boxes complete with pull strings for the access control and monitoring system (ACMS). All end devices and wiring for ACMS will be supplied and installed by Technical Authority after delivery to site. The contractor must provide the following items as illustrated in sample drawings P-3, 4, and 5:
- 3.8.8.1 JB1 must be 250mm x 250mm x75mm (minimum dimensions) pull box;
 - 3.8.8.2 JB4 must be 100mm x100mm x 50mm (minimum dimensions) surface mounted junction box must be mounted 1500mm A.F.F. with 100mm clearance on either side;
 - 3.8.8.3 JB6 must be 50mm x 100mm x 50mm (minimum dimensions) surface mounted junction box; and
 - 3.8.8.4 All conduits must be sized as noted on drawings and provided with pull strings.

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

3.8.9 The contractor must supply and install the following LED lighting fixtures complete with controls:

3.8.9.1 Interior (refer to sample drawing P-8 for placement) -

3.8.9.1.1 Three (3) dimmable Phillips model: LF4FR3940ULAG (or equivalent), and

3.8.9.1.2 One (1) dimmable Phillips model: LF8FR3940ULAG (or equivalent);

3.8.9.2 Interior dimmable fixtures, controlled by an internally mounted motion sensor, with manual override located adjacent to the striker side of the door;

3.8.9.3 Exterior - one (1) Lumark Crosstour LED Wall Pack Series (Model XTOR2A-N-PC1) or equivalent;

3.8.9.4 A stainless-steel protective security screen over the exterior wall pack fastened with tamper resistant Torx screws to reinforcement provided in the wall structure. Seal all wall penetrations; and

3.8.9.5 Exterior light controlled by switch mounted internally adjacent to the strike side of the door.

3.8.10 The contractor must supply and install the following PVC conduits required for the electrical system: (*refer to sample drawings*)

3.8.10.1 At least a 3" PVC conduit installed near the side wall Elevation F through the floor to accommodate connection of the backhaul network;

3.8.10.2 At least a 1-¼" PVC conduit installed near the side wall on the Elevation F through the floor and connected to the electrical panel for connection of grounding system; and

3.8.10.3 At least a 1-¼" PVC conduit installed on the floor near the rear wall Elevation G, to pass cabling connected to the external ground ring system.

3.8.11 The contractor must supply and install the following exterior electrical equipment:

3.8.11.1 One 200A, CSA-approved, corrosion-resistant electrical meter base/socket to meet the electrical code requirements;

3.8.11.2 One (1) 20A 120VAC GFCI outdoor electrical outlet with a watertight cover adjacent to the shelter door. Outlet, controlled by a 0-60-minute timer (with manual timer override) located adjacent to the power distribution panel;

3.8.11.3 Four (4) MICROELECTRIC MM400 fasteners to support the electrical mast corresponding with the brackets indicated on the interior plywood requirements. (Refer to sample drawing P-1 elevation B); and

3.8.11.4 Aluminum emergency generator hook-up enclosure - RANGERACK Model RAL58-50-20-3R (or equivalent), complete with accommodation for padlock and 4 cam-lock connectors, connected to the automatic transfer switch.

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

3.8.12 External Grounding System Brackets

- 3.8.12.1 The contractor must supply and install, on three external elevations, sets of L-shaped 50mm x 50mm x 6mm x 450mm (2" x 2" x ¼" x 18") aluminum angles for horizontal mounting of external grounding bus bars. (Refer to sample drawing P-1 elevations B, C and D and P-12). Assume grounding bus bar will be a dead load of 10 lbs.
- 3.8.12.2 For each bracket noted above, the contractor must supply one (1) pre-drilled aluminum angle of 450mm (18") to accommodate a tinned copper ground bar type BURNDY Model BBB14412E TN (or equivalent).
- 3.8.12.3 The contractor must supply and install on three external elevations Integrated to the exterior fiberglass and centered under each of the three aluminum angles described above, an 89mmW x 38mmD x 2032mmH (3-½" W x 1-½" D x 80" H) vertical protective cover open at both ends to conceal a grounding cable.
- 3.8.12.4 The contractor must supply one (1) pre-assembled and ready to install grounding bar with all its associated hardware.

3.8.13 Aluminum Mast Fasteners

- 3.8.13.1 The contractor must supply and install complete with internal support in the wall structure 3 exterior mounted brackets designed to withstand the snow and wind loads imposed on a 6096mm tall x 102mm diameter aluminum antenna mast with a 30 kg antenna mounted at the top. (Refer to sample drawing P-1 elevation D and P-11).
- 3.8.13.2 Brackets must be aluminum angles (4" x 4" x 3/8" x 24") attached to the structure with matching angles for attachment of mast that would be GFE.

3.9 CABLE MANAGEMENT SYSTEM

- 3.9.1 The contractor must supply and install a cable management system (tray) suspended from the ceiling/roof structure as illustrated in the sample drawings and as follows:
 - 3.9.1.1 Tray system must be RANGERACK Model ZIP BT series (or equivalent) aluminum cable tray system (cable ladder) 300mm W x 41mm H (12" wide x 1 5/6") high, attached to the ceiling and mounted 2,438mm (8 ft.) above the floor level.
 - 3.9.1.2 System to consist of main tray and cross trays as indicated in Appendix A, P-3.
 - 3.9.1.3 Cross trays to align with the two cable entries located on the side walls.
- 3.9.2 Coaxial Entry Points
 - 3.9.2.1 The contractor must supply and install three (3) wall mounted cable entry points in locations as illustrated on the sample drawings.

ANNEX A – STATEMENT OF REQUIREMENT (SOR)

- 3.9.2.2 The contractor must provide cable entry points which consist of weatherproof entrance plates with 2- 100mm or larger holes - COMMSCOPE # 204673-2A or equivalent.
- 3.9.2.3 The contractor must fill internal cavity with removable insulation.
- 3.9.2.4 The contractor must align placement of cable entry points on elevations B and D with the internal cable tray.
- 3.9.2.5 The contractor must supply and install one floor mounted single entrance plate located as illustrated on the sample drawing P-2 - COMMSCOPE #204673-1 entrance plate, or equivalent.
- 3.9.2.6 The contractor must place entry plate to ensure clearance for installation of cables and cable entry boot.
- 3.9.2.7 The contractor must provide matching plate on underside of structure.
- 3.9.2.8 The contractor must fill void with removable insulation material.

- 3.10 SHELTER SYSTEM MONITORING
 - 3.10.1 The contractor must supply and install a telecommunications BIX Block Mount for 10 positions on the plywood backboard on interior elevation F fitted with the following:
 - 3.10.1.1 two (2) BIX 6-port RJ45 Jack to BIX Strip modules; and
 - 3.10.1.2 Two (2) BIX 25-pair Blocks.
 - 3.10.2 The contractor must supply and install a 115VAC connected smoke detector complete with a long life (10 years), and a 9v battery backup and equipped with a relay module to allow for telecommunications connection to the BIX block.
 - 3.10.3 The contractor must connect the smoke detector to the BIX block (4wires).
 - 3.10.4 The contractor must supply and install relay module(s) to detect a line power AC failure connected the automatic transfer switch and to the BIX block.
 - 3.10.5 The contractor must ensure that an AC line power failure detection sends an alarm signal through the BIX block and initiates start of generator, and the generator will be GFE.
 - 3.10.6 The contractor must supply and install a relay in the Automatic transfer switch connected to the BIX block to signal operation of the generator.
 - 3.10.7 The contractor must supply and install EMT conduit(s) (minimum 1" diameter) complete with labelled, unconnected copper wire (minimum 24 pairs) from the BIX block to terminate above the middle of the cable tray. Provide additional 3m of cable coiled in tray.

Appendix A
Sample Drawings P-1 to P-12

KEY LEGEND

- ① ICE SHIELD
- ② HVAC SYSTEM
- ③ H-BEAM FRAME
- ④ STAIRCASE
- ⑤ DOOR
- ⑥ ANTENNA MAST MOUNT
- ⑦ DUAL PORT COAXIAL CABLE ENTRY
- ⑧ SINGLE PORT COAXIAL CABLE ENTRY
- ⑨ CABLE MANAGEMENT SYSTEM
- ⑩ AC POWER MAIN DISCONNECT
- ⑪ AC TRANSFER SWITCH
- ⑫ AC POWER DISTRIBUTION
- ⑬ AC GENERATOR CONNECTION BOX
- ⑭ PRIMARY BONDING BUSBAR (PBB)
- ⑮ EQUIPMENT BONDING BUS CONDUCTOR
- ⑯ FIRE EXTINGUISHER
- ⑰ FIRST AID KIT
- ⑱ EYE WASH BOTTLE
- ⑲ DC POWERED VENT SYSTEM
- ⑳ EXTERNAL GROUNDING BAR (EGB)
- ㉑ LED DOWNLIGHT
- ㉒ WORK SURFACE

GFE = GOVERNMENT FURNISHED EQUIPMENT
FOR WHICH THE CONTRACTOR IS NOT
RESPONSIBLE TO PROVIDE OR INSTALL.

REV	DATE	DESCRIPTION	BY
I	01-28-2021	SHELTER RAILING ADJUSTMENTS	
H	08-19-2020	INFO COMMENTS	
G	08-12-2020	CR3 EQUIPMENT LAYOUT REVISED	
F	08-07-2020	CR3 EQUIPMENT LAYOUT ADDED	
E	03-11-2020	INFO COMMENTS	
D	02-18-2020	CR3 COMMENTS	
C	02-12-2020	MODIFIED INFO REVISION	
B	02-07-2020		
A	01-22-2020		

PROJECT:

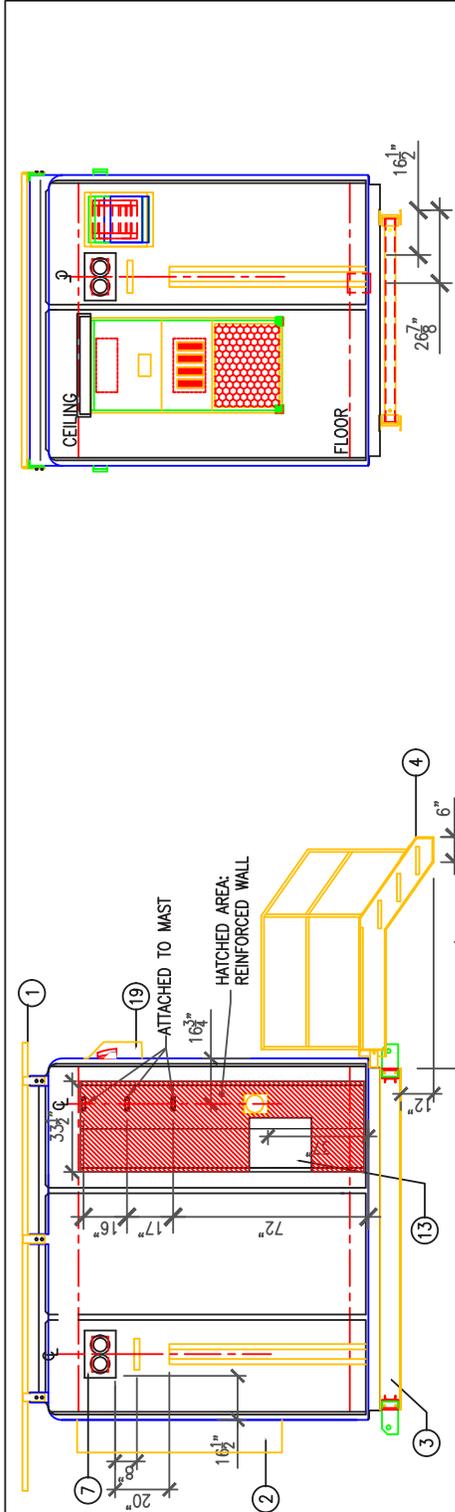
CR3 SHELTER
LAYOUT

SUBJECT:

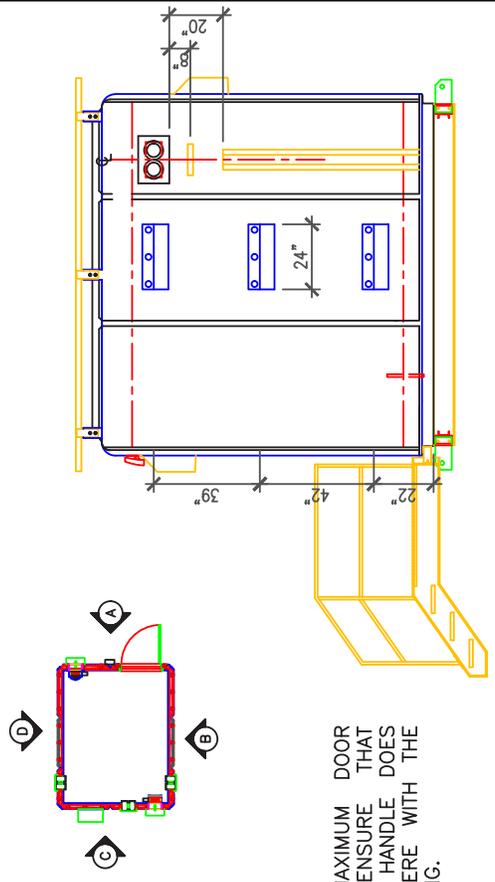
LEGEND

SCALE:

DESIGNED BY:	VERIFIED BY: --
APPROVED BY:	REVIEWED BY:
SCALE: NTS	
DATE:	
VERSION: 1.0	P-0
PROJECT:	



ELEVATION "C"



ELEVATION "A"

ELEVATION "D"

NOTE:
 TO ALLOW MAXIMUM DOOR
 OPENING, ENSURE THAT
 THE DOOR HANDLE DOES
 NOT INTERFERE WITH THE
 HAND RAILING.

REV	DATE	DESCRIPTION	BY
I	01-29-2021	SHelter RAILING ADJUSTMENTS	
H	08-19-2020	INFO COMMENTS	
G	08-12-2020	CR3 EQUIPMENT LAYOUT REVISED	
F	08-07-2020	CR3 EQUIPMENT LAYOUT ADDED	
E	03-11-2020	INFO COMMENTS	
D	02-19-2020	CR3 COMMENTS	
C	02-12-2020	MODIFIED INFO REVISION	
B	02-07-2020		
A	01-22-2020		

PROJECT:
**CR3 SHELTER
 LAYOUT**

SUBJECT:
**EXTERIOR
 ELEVATIONS**

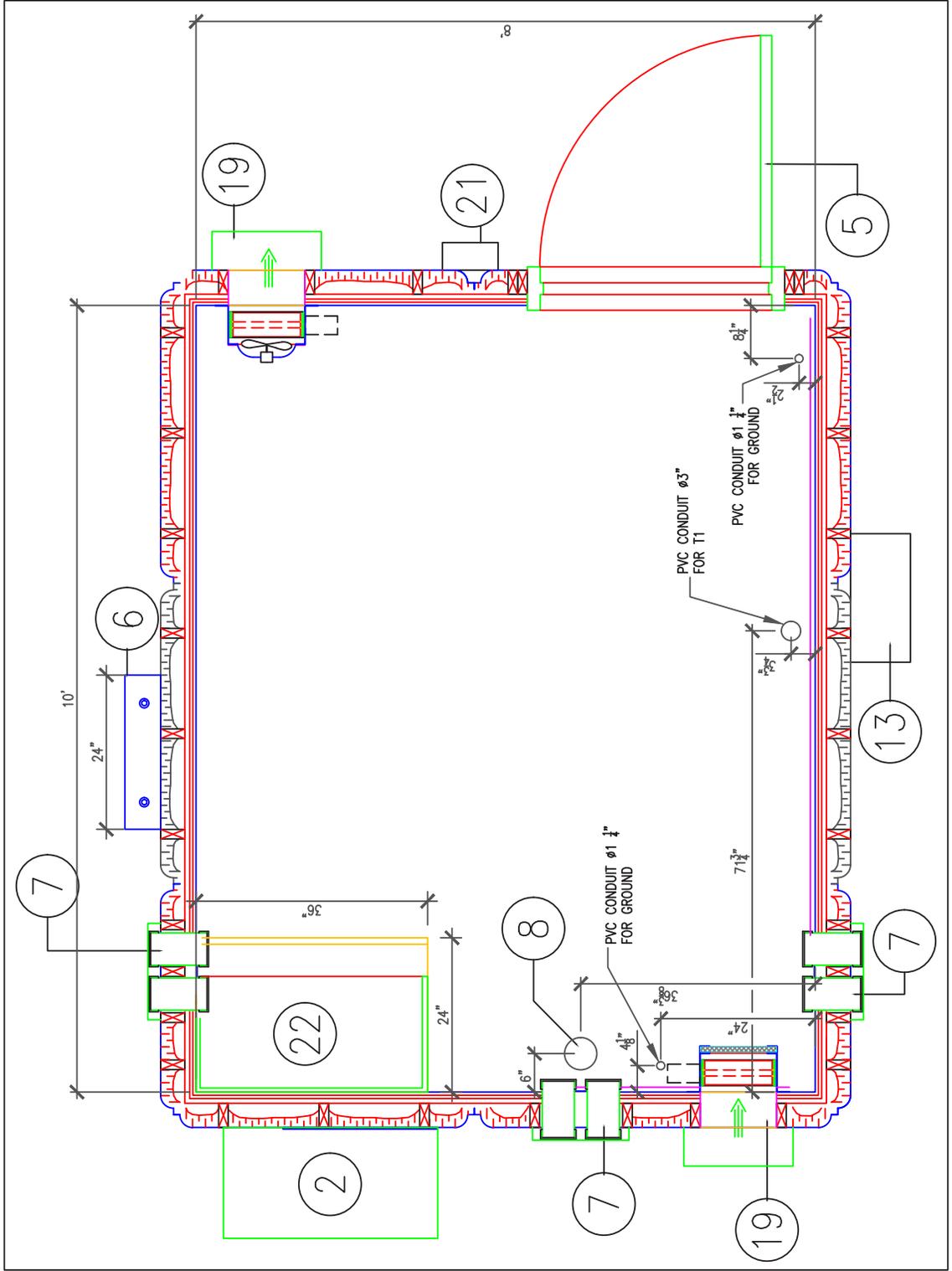
SCALE:

DESIGNED BY:	VERIFIED BY: —
APPROVED BY:	REVIEWED BY:
SCALE: 1/4" = 1'-0"	
DATE:	
VERSION: 1.0	
PROJECT:	P-1

REV	DATE	DESCRIPTION	BY
I	01-28-2021	SHIELTER WALLING ADJUSTMENTS	
H	03-19-2020	INFO COMMENTS	
G	08-12-2020	CR3 EQUIPMENT LAYOUT REVISED	
F	08-07-2020	CR3 EQUIPMENT LAYOUT ADDED	
E	03-11-2020	INFO COMMENTS	
D	02-19-2020	CR3 COMMENTS	
C	02-13-2020	MODIFIED INFO REVISION	
B	02-07-2020		
A	01-22-2020		

PROJECT:	CR3 SHELTER LAYOUT
SUBJECT:	PLAN VIEW
SCALE:	

DESIGNED BY:	VERIFIED BY: —
APPROVED BY:	REVIEWED BY:
SCALE:	3/4" = 1'-0"
DATE:	
VERSION:	1.0
PROJECT:	P-2



REV	DATE	DESCRIPTION	BY
I	01-28-2021	SHELTER RAILING ADJUSTMENTS	
H	08-19-2020	NPDO COMMENTS	
G	08-12-2020	CR3 EQUIPMENT LAYOUT REVISED	
F	08-07-2020	CR3 EQUIPMENT LAYOUT ADDED	
E	08-11-2020	NPDO COMMENTS	
D	02-18-2020	CR3 COMMENTS	
C	02-12-2020	MODIFIED NPDO REVISION	
B	02-07-2020		
A	01-22-2020		

PROJECT: CR3 SHELTER LAYOUT

SUBJECT: EQUIPMENT LAYOUT PLAN VIEW 8' x 10'

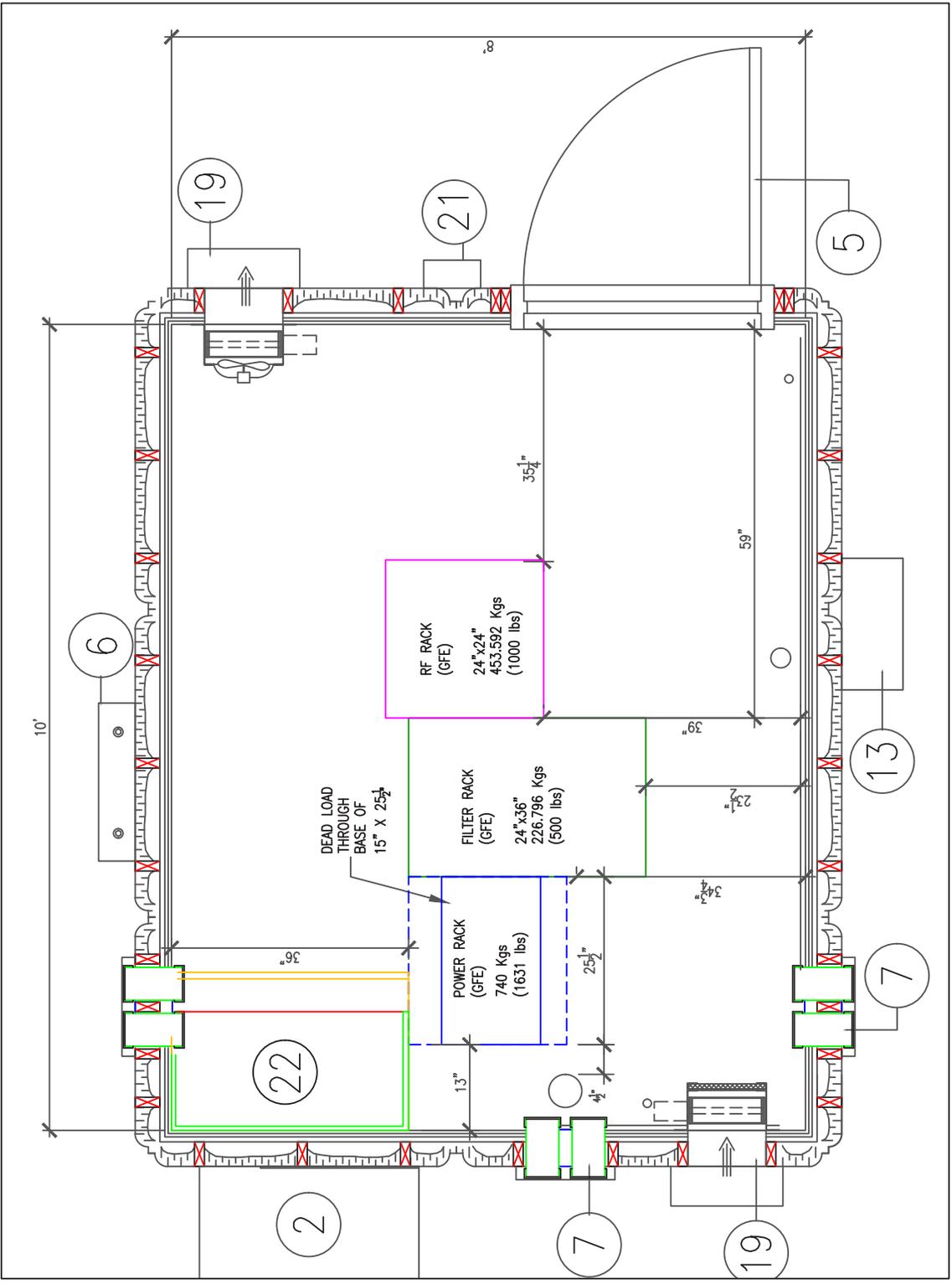
SCALE: 3/4" = 1'-0"

DATE: 01-28-2021

VERSION: 1.0

PROJECT: P-2A

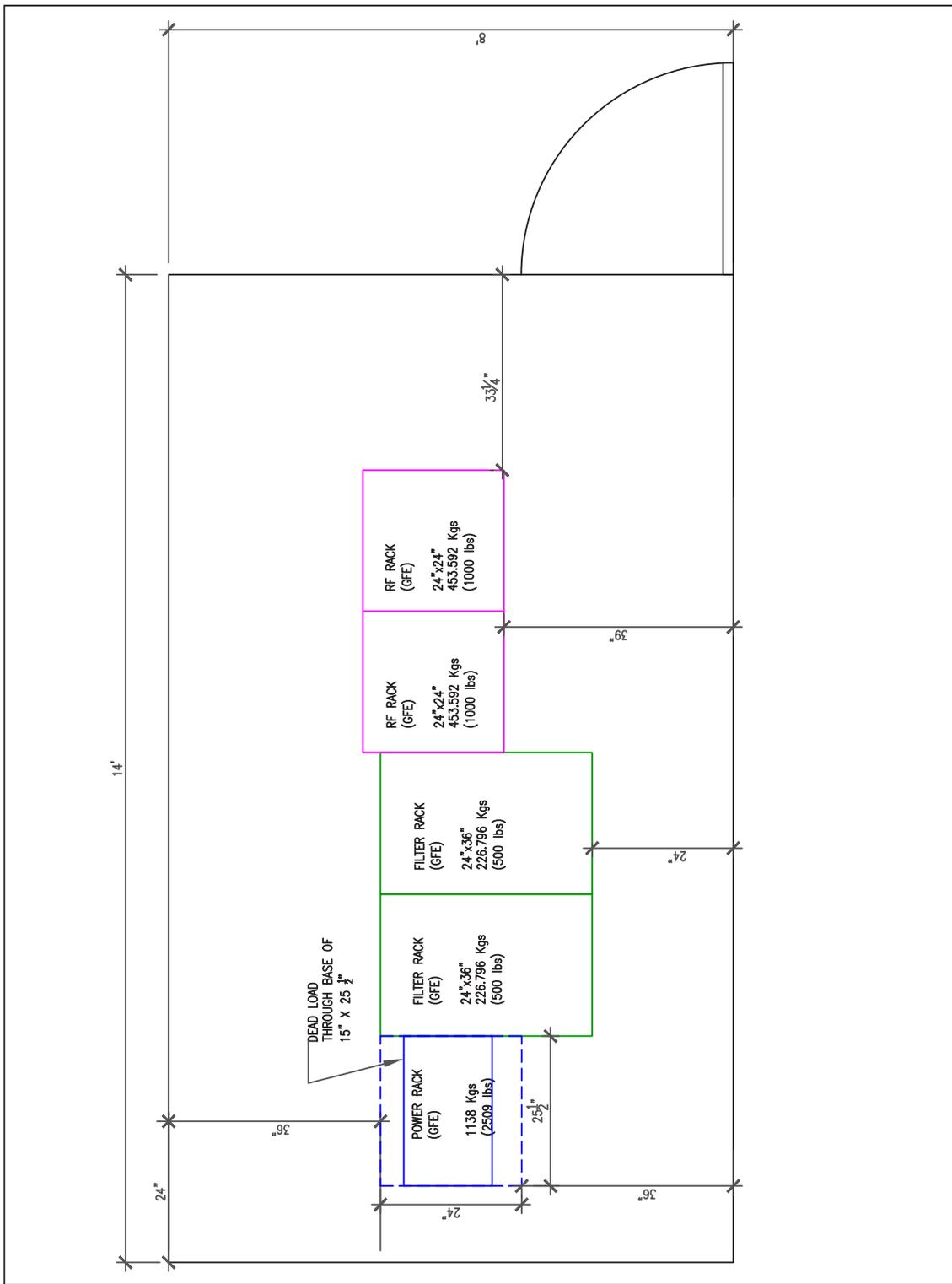
DESIGNED BY:	VERIFIED BY: -
APPROVED BY:	REVIEWED BY:
SCALE: 3/4" = 1'-0"	
DATE: 01-28-2021	
VERSION: 1.0	
PROJECT: P-2A	



REV	DATE	DESCRIPTION	BY
A	01/22/2020		
B	02/07/2020	MODIFIED INFO REVISION	
C	02/12/2020	MODIFIED INFO REVISION	
D	02/19/2020	CR3 COMMENTS	
E	03/11/2020	CR3 COMMENTS	
F	06/07/2020	CR3 EQUIPMENT LAYOUT ADDED	
G	08/12/2020	CR3 EQUIPMENT LAYOUT REVISED	
H	08/19/2020	INFO COMMENTS	
I	01/28/2021	SHIELTER RAILING ADJUSTMENTS	

PROJECT:	CR3 SHELTER LAYOUT
SUBJECT:	EQUIPMENT LAYOUT PLAN VIEW 8' x 14'
SCALE:	

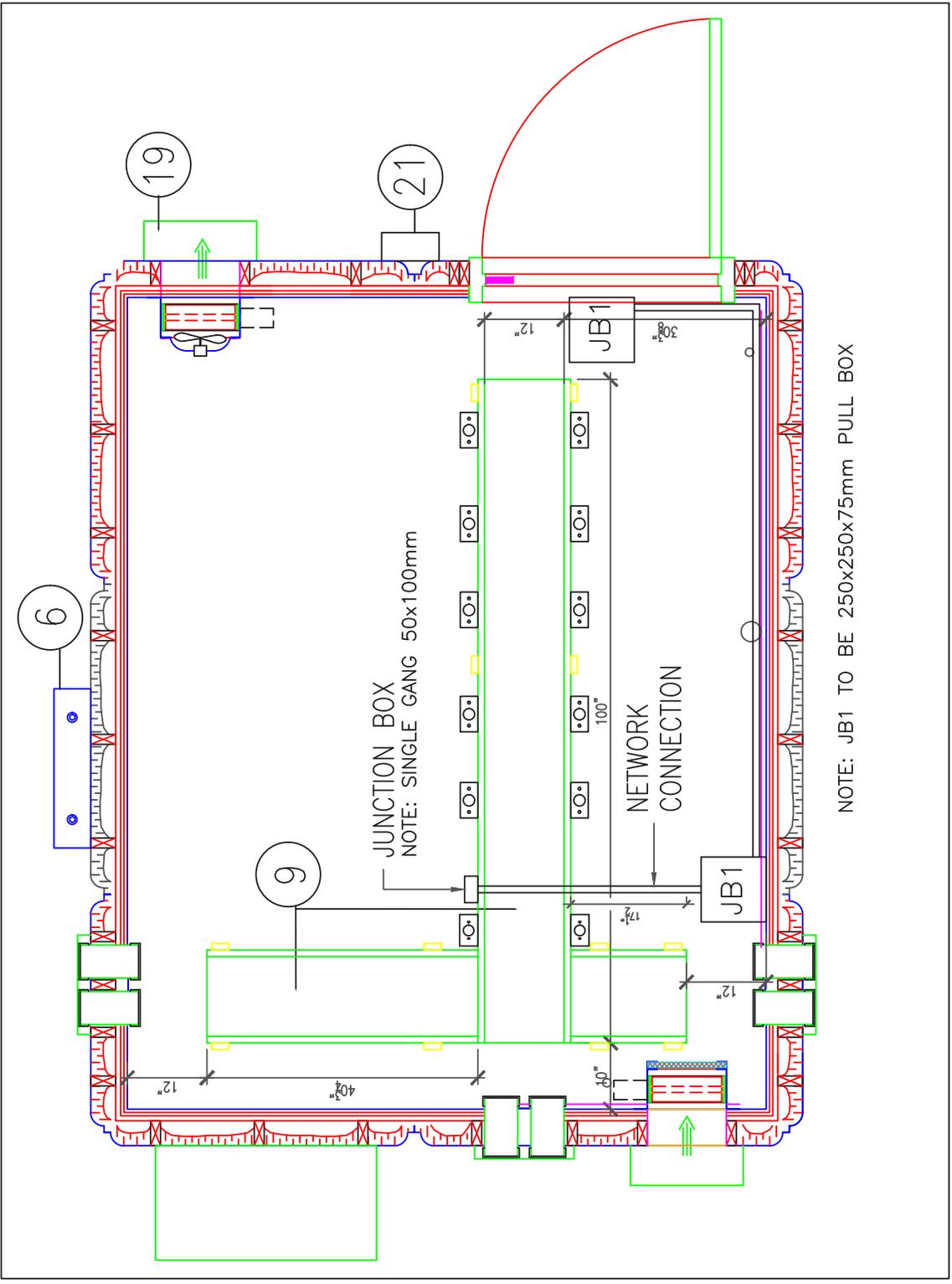
DESIGNED BY:	VERIFIED BY: —
APPROVED BY:	REVIEWED BY:
SCALE:	3/4" = 1'-0"
DATE:	
VERSION:	1.0
PROJECT:	P-2B

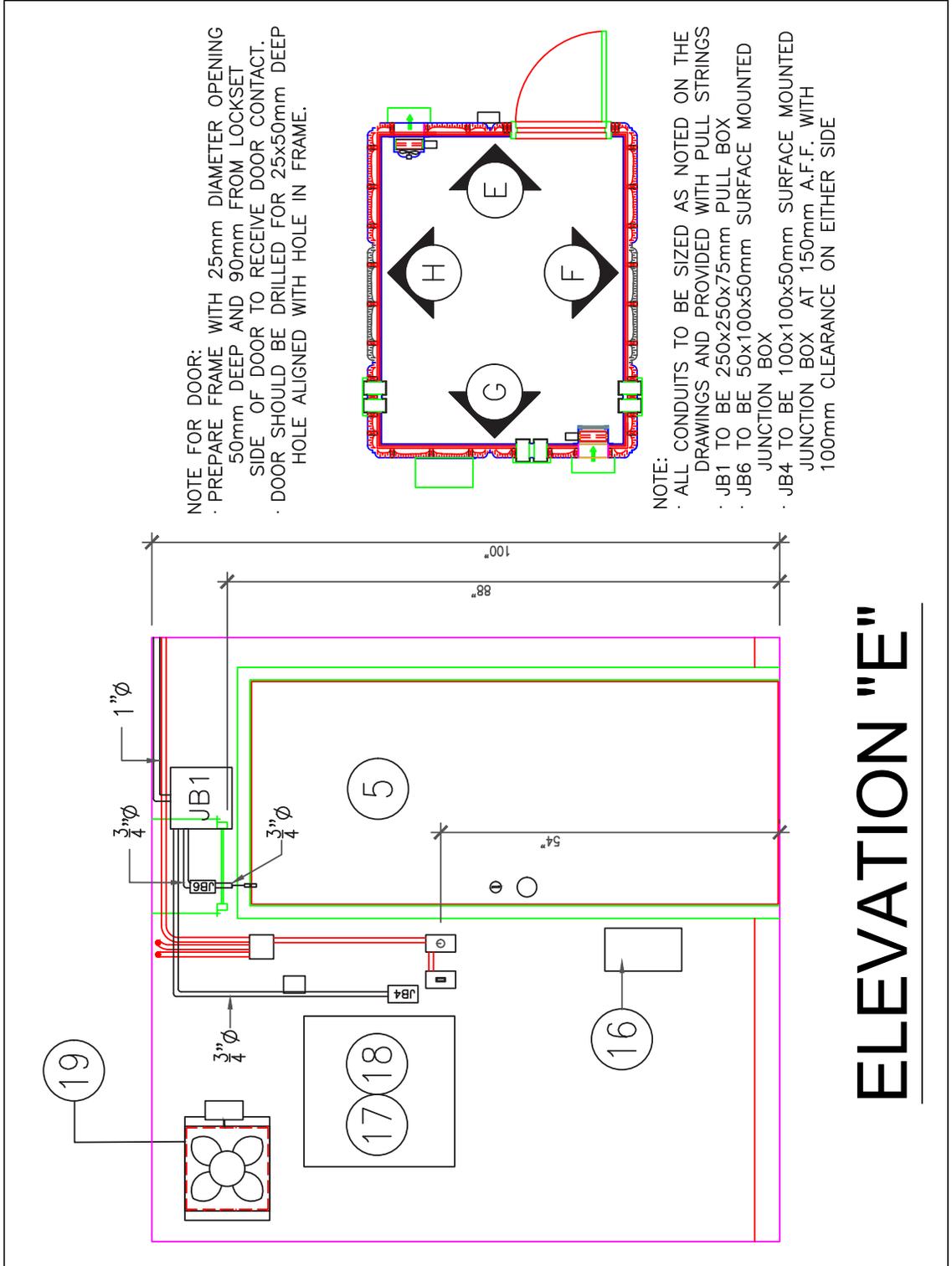


REV	DATE	DESCRIPTION	BY
I	01-29-2021	SHELTER RAILING ADJUSTMENTS	
H	08-19-2020	NPDO COMMENTS	
G	08-12-2020	CR3 EQUIPMENT LAYOUT REVISED	
F	08-07-2020	CR3 EQUIPMENT LAYOUT ADDED	
E	03-11-2020	NPDO COMMENTS	
D	02-19-2020	CR3 COMMENTS	
C	02-12-2020	MODIFIED NPDO REVISION	
B	02-07-2020		
A	01-22-2020		

PROJECT:	CR3 SHELTER LAYOUT
SUBJECT:	CABLE TRAY
SEAL:	

DESIGNED BY:	VERIFIED BY: -
APPROVED BY:	REVIEWED BY:
SCALE:	3/4"=1'-0"
DATE:	
VERSION:	1.0
PROJECT:	P-3





NOTE FOR DOOR:
 · PREPARE FRAME WITH 25mm DIAMETER OPENING 50mm DEEP AND 90mm FROM LOCKSET SIDE OF DOOR TO RECEIVE DOOR CONTACT.
 · DOOR SHOULD BE DRILLED FOR 25x50mm DEEP HOLE ALIGNED WITH HOLE IN FRAME.

NOTE:
 · ALL CONDUITS TO BE SIZED AS NOTED ON THE DRAWINGS AND PROVIDED WITH PULL STRINGS
 · JB1 TO BE 250x250x75mm PULL BOX
 · JB6 TO BE 50x100x50mm SURFACE MOUNTED JUNCTION BOX
 · JB4 TO BE 100x100x50mm SURFACE MOUNTED JUNCTION BOX AT 150mm A.F.F. WITH 100mm CLEARANCE ON EITHER SIDE

ELEVATION "E"

REV	DATE	DESCRIPTION	BY
I	01-28-2021	SHIELTER RAILING ADJUSTMENTS	
H	08-19-2020	INFO COMMENTS	
G	08-12-2020	CR3 EQUIPMENT LAYOUT REVISED	
F	08-07-2020	CR3 EQUIPMENT LAYOUT ADDED	
E	03-11-2020	INFO COMMENTS	
D	02-19-2020	CR3 COMMENTS	
C	02-13-2020	MODIFIED INFO REVISION	
B	02-07-2020		
A	01-22-2020		

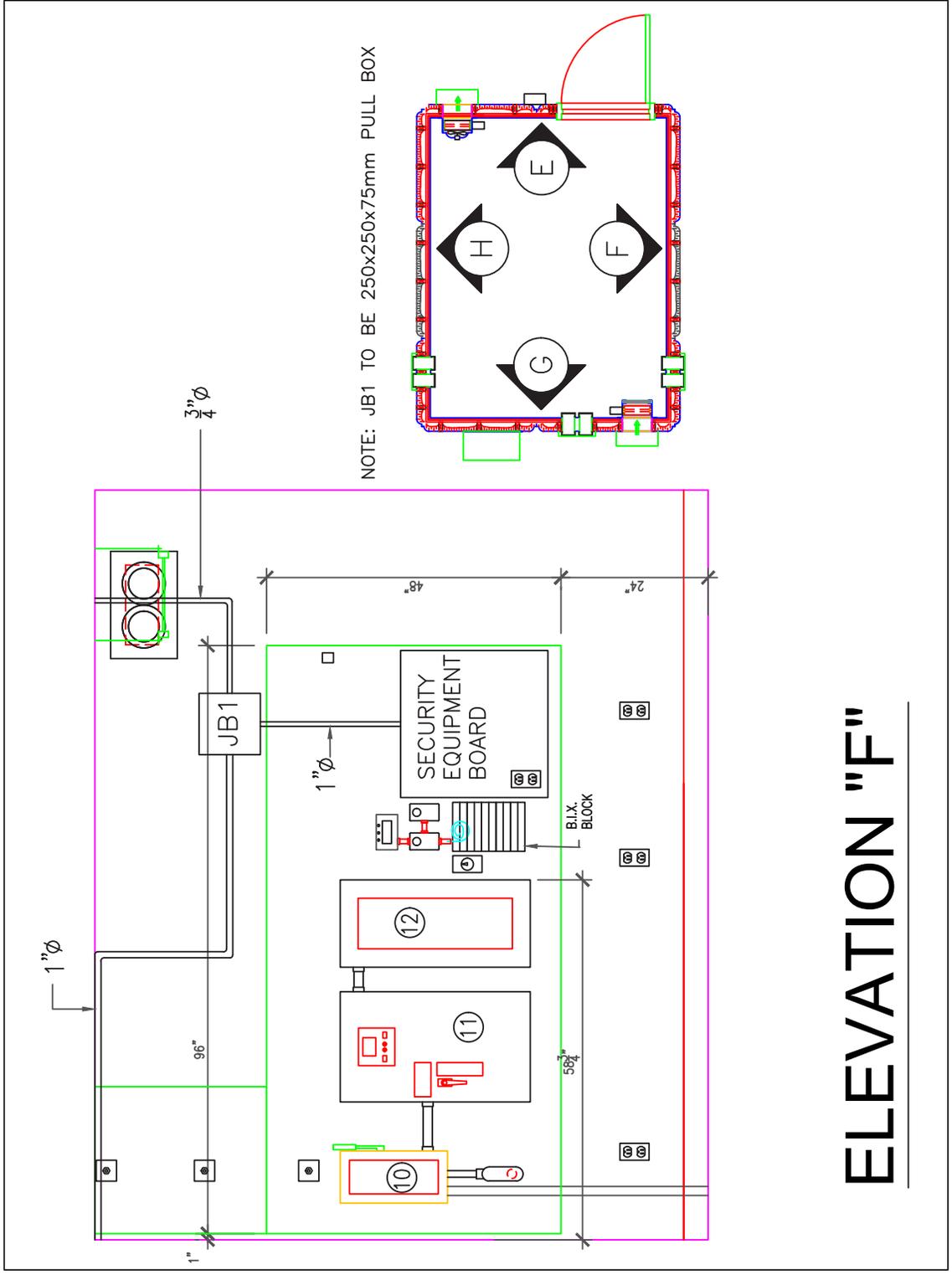
PROJECT:	CR3 SHELTER LAYOUT
SUBJECT:	INTERIOR ELEVATION
SCALE:	

DESIGNED BY:	VERIFIED BY: --
APPROVED BY:	REVIEWED BY:
SCALE:	3/4" = 1'-0"
DATE:	
VERSION:	1.0
PROJECT:	P-4

REV	DATE	DESCRIPTION	BY
I	01-29-2021	SHELTER RAILING ADJUSTMENTS	
H	08-19-2020	INFO COMMENTS	
G	08-12-2020	CR3 EQUIPMENT LAYOUT REVISED	
F	08-07-2020	CR3 EQUIPMENT LAYOUT ADDED	
E	03-11-2020	INFO COMMENTS	
D	02-19-2020	CR3 COMMENTS	
C	02-12-2020	MODIFIED INFO REVISION	
B	02-07-2020		
A	01-22-2020		

PROJECT:	CR3 SHELTER LAYOUT
SUBJECT:	INTERIOR ELEVATION
SCALE:	

DESIGNED BY:	VERIFIED BY: —
APPROVED BY:	REVIEWED BY:
SCALE:	3/4" = 1'-0"
DATE:	
VERSION:	1.0
PROJECT:	P-5

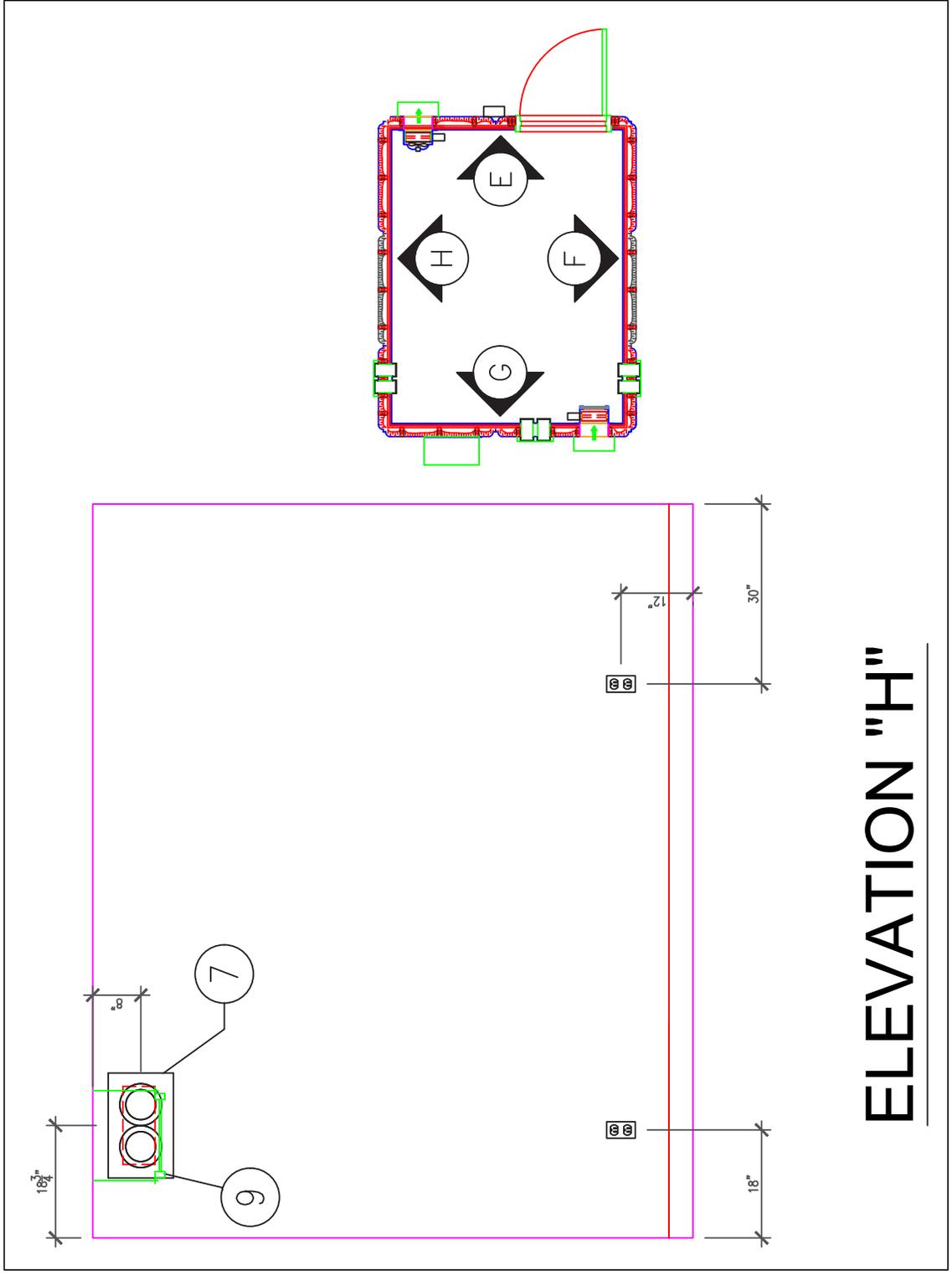


ELEVATION "F"

REV	DATE	DESCRIPTION	BY
I	01-29-2021	SHELTER RAILING ADJUSTMENTS	
H	08-19-2020	INFO COMMENTS	
G	08-12-2020	CR3 EQUIPMENT LAYOUT REVISED	
F	08-07-2020	CR3 EQUIPMENT LAYOUT ADDED	
E	03-11-2020	INFO COMMENTS	
D	02-19-2020	CR3 COMMENTS	
C	02-12-2020	MODIFIED INFO REVISION	
B	02-07-2020		
A	01-22-2020		

PROJECT:	CR3 SHELTER LAYOUT
SUBJECT:	INTERIOR ELEVATION
SCALE:	

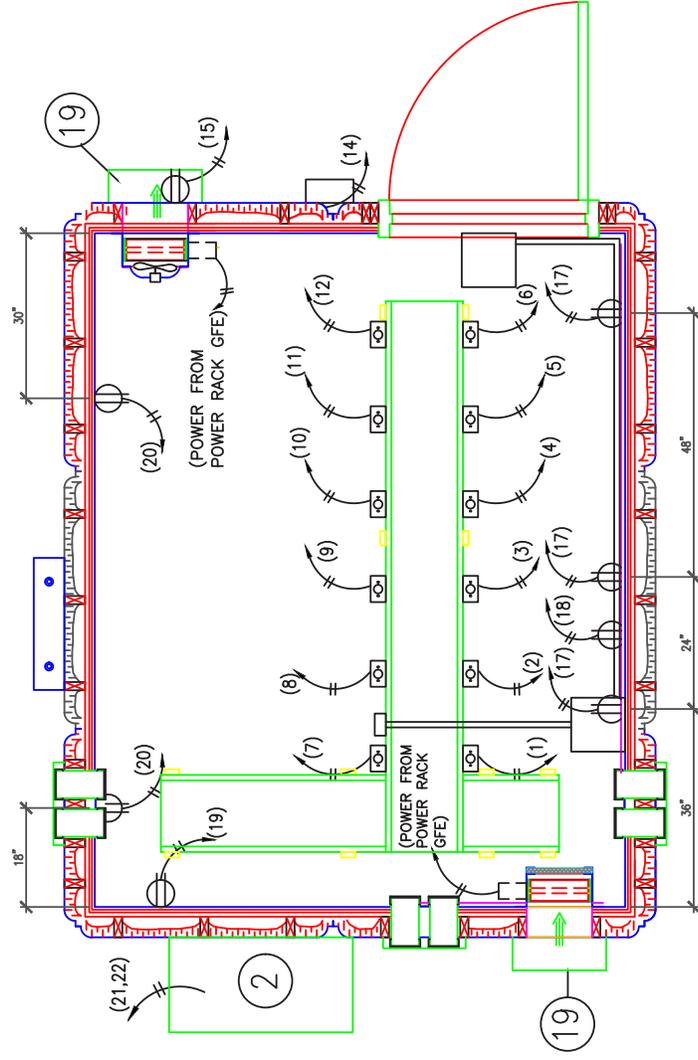
DESIGNED BY:	VERIFIED BY: --
APPROVED BY:	REVIEWED BY:
SCALE:	3/4"=1'-0"
DATE:	
VERSION:	1.0
PROJECT:	P-7

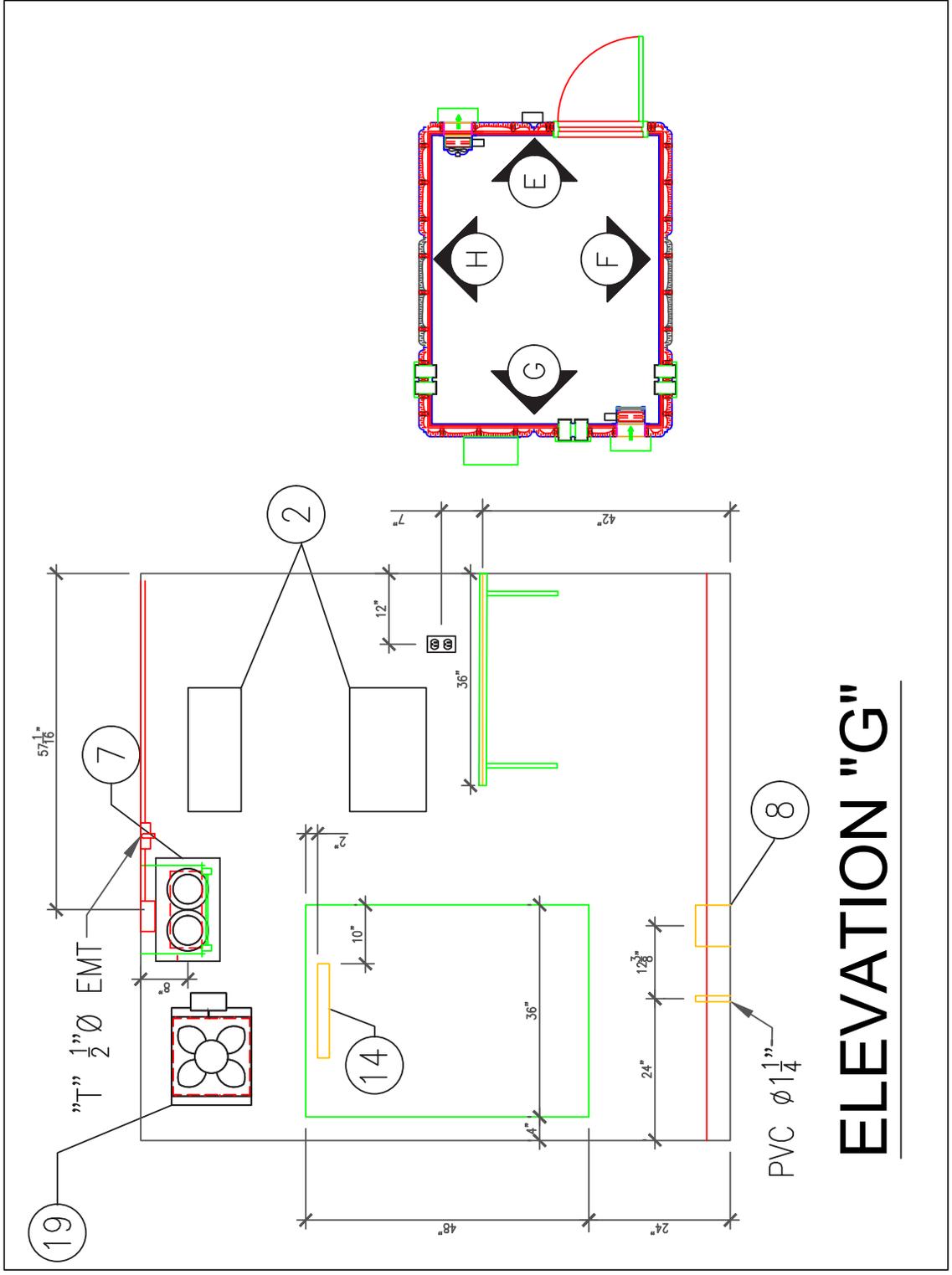


ELEVATION "H"

I 01-28-2021 SHELTER WALLING ADJUSTMENTS	
H 08-19-2020 INFO COMMENTS	
G 08-12-2020 CR3 EQUIPMENT LAYOUT REVISED	
F 08-07-2020 CR3 EQUIPMENT LAYOUT ADDED	
E 03-11-2020 INFO COMMENTS	
D 02-19-2020 CR3 COMMENTS	
C 02-13-2020 MODIFIED INFO REFUSION	
B 02-07-2020	
A 01-22-2020	
REV	DATE DESCRIPTION BY
PROJECT: CR3 SHELTER LAYOUT	
SUBJECT: ELECTRICAL RECEPTACLES AND HVAC	
SCALE:	
DESIGNED BY:	VERIFIED BY: —
APPROVED BY:	REVIEWED BY:
SCALE: 3/4"=1'-0"	
DATE:	
VERSION: 1.0	
PROJECT: P-9	

Breaker	Device	Location
1	NEMA5-15R	Cable tray
2	NEMA5-15R	Cable tray
3	NEMA5-15R	Cable tray
4	NEMA5-15R	Cable tray
5	NEMA5-15R	Cable tray
6	NEMA5-15R	Cable tray
7	NEMA5-20R	Cable tray
8	NEMA5-20R	Cable tray
9	NEMA5-20R	Cable tray
10	NEMA5-20R	Cable tray
11	NEMA5-20R	Cable tray
12	NEMA5-20R	Cable tray
13	15 A interior lights	Suspended from roof
14	15 A Exterior LED light	Exterior Elevation "A"
15	20 A duplex GFI	Exterior Elevation "A"
16	Smoke detector 15 A	Interior ceiling
17	3x15 A duplex	Interior Elevation "F"
18	15 A duplex for alarm	Interior Elevation "F"
19	20 A duplex	Interior Elevation "C"
20	2 x 15 A duplex outlet	Interior Elevation "H"
21	HVAC	
22	HVAC	
23	Spare	
24	Spare	
25	Spare	
26	Spare	
27	Spare	
28	Spare	
29	Spare	
30	Spare	





ELEVATION "G"

REV	DATE	DESCRIPTION	BY
I	01-29-2021	SHIELTER RAILING ADJUSTMENTS	
H	08-19-2020	INFO COMMENTS	
G	08-12-2020	CR3 EQUIPMENT LAYOUT REVISED	
F	08-07-2020	CR3 EQUIPMENT LAYOUT ADDED	
E	03-11-2020	INFO COMMENTS	
D	02-19-2020	CR3 COMMENTS	
C	02-12-2020	MODIFIED INFO REVISION	
B	02-07-2020		
A	01-22-2020		

PROJECT: CR3 SHELTER LAYOUT

SUBJECT: INTERIOR ELEVATION

SCALE: 3/4"=1'-0"

DESIGNED BY: VERIFIED BY: —

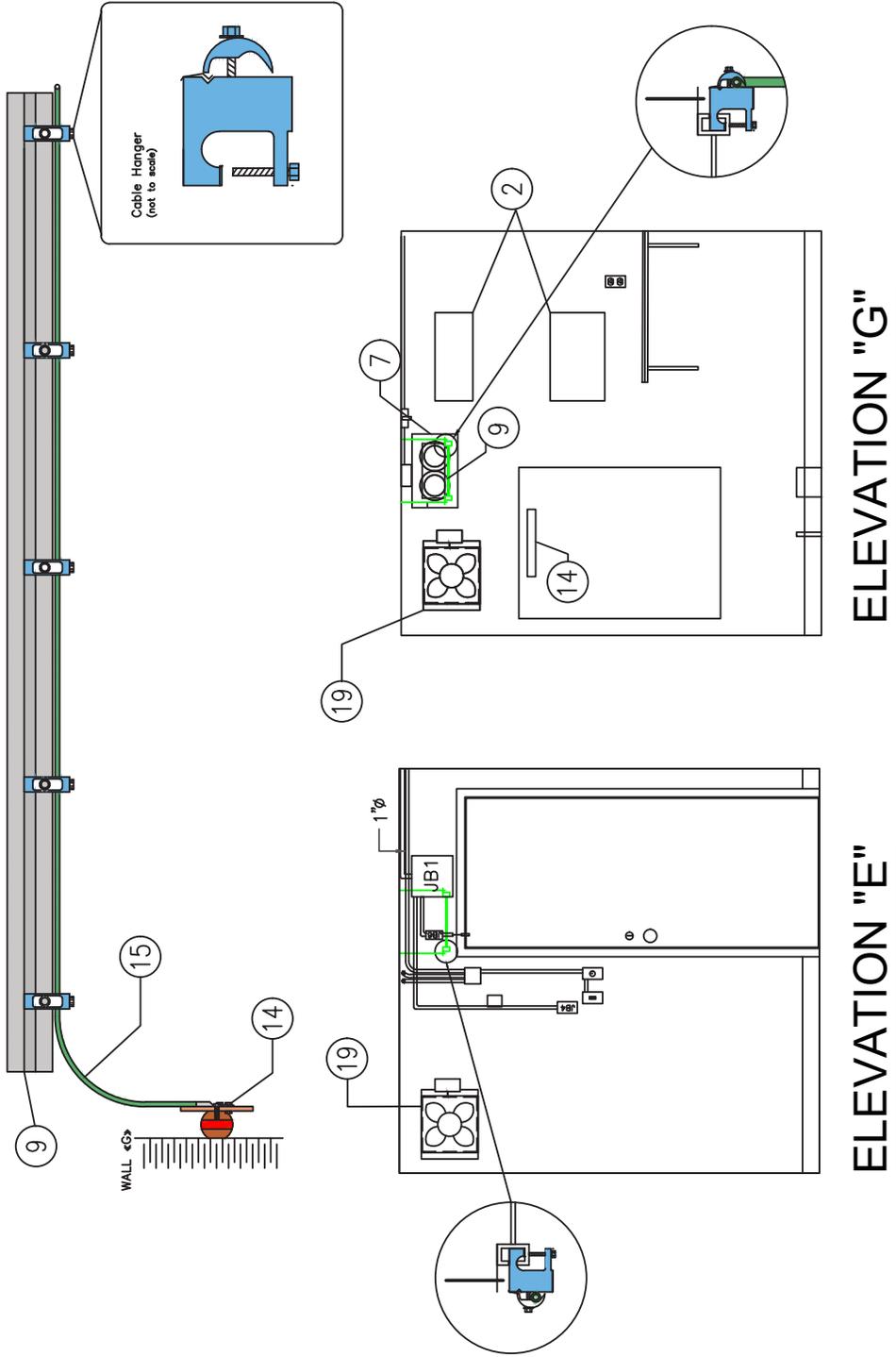
APPROVED BY: REVIEWED BY:

DATE: 3/4"=1'-0"

VERSION: 1.0

PROJECT: P-6

FIGURE F: Mounting of the RF ground cable on the cable tray
 Graphical representation of the assembly seen from the elevation « F ».
 None of the items above fit to the scale of this page.

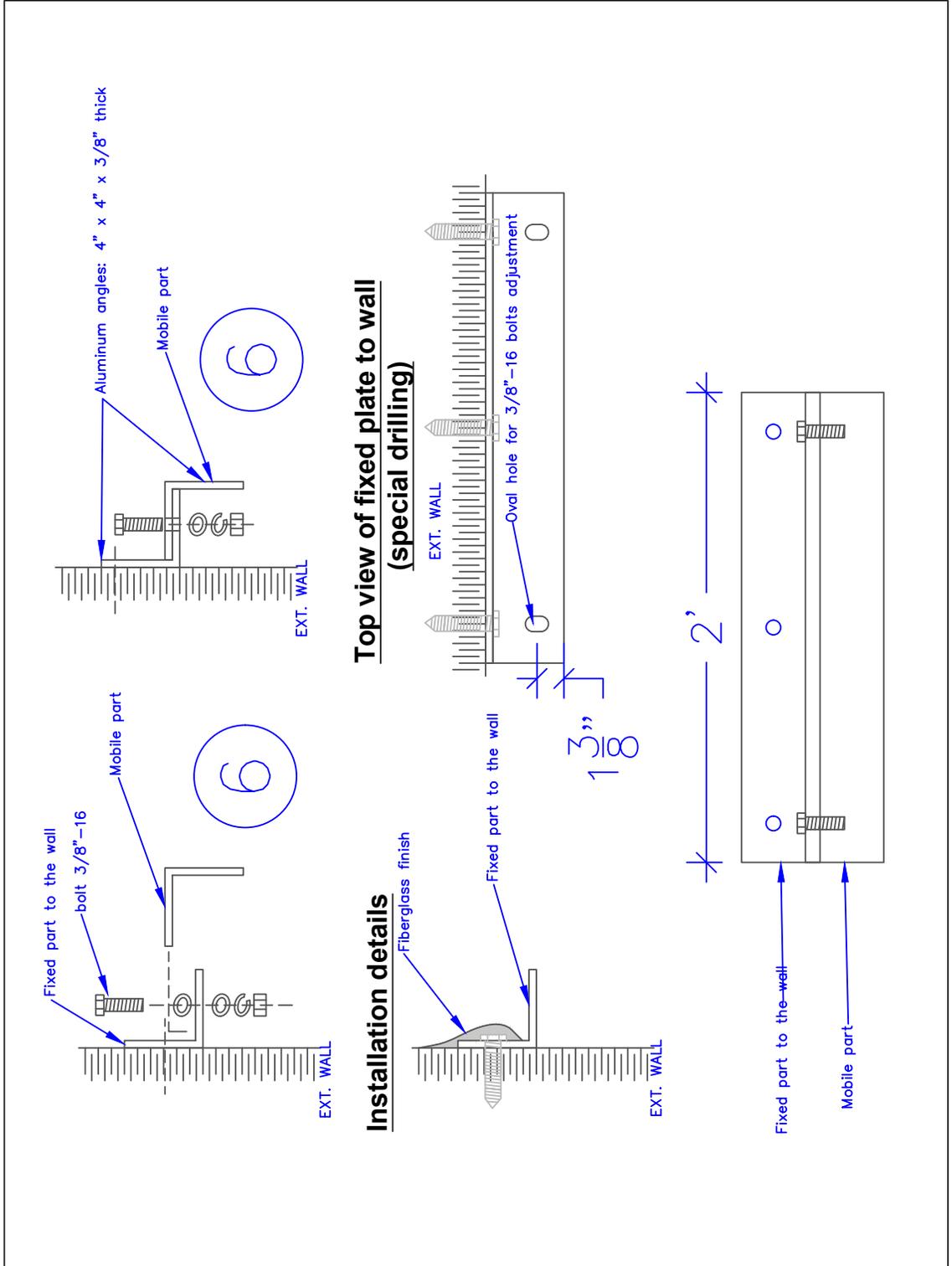


REV	DATE	DESCRIPTION	BY
I	01-28-2021	SHELTER WALLING ADJUSTMENTS	
H	08-19-2020	INFO COMMENTS	
G	08-12-2020	CRS EQUIPMENT LAYOUT REVISED	
F	08-07-2020	CRS EQUIPMENT LAYOUT ADDED	
E	03-11-2020	INFO COMMENTS	
D	02-18-2020	INFO COMMENTS	
C	02-13-2020	MODIFIED INFO REVISION	
B	02-07-2020		
A	01-22-2020		

PROJECT: CR3 SHELTER LAYOUT

SUBJECT:
 SEAL:
 DESIGNED BY:
 APPROVED BY:
 SCALE: 3/4"=1'-0"
 DATE:
 VERSION: 1.0
 PROJECT: P-10

DESIGNED BY:	VERIFIED BY: —
APPROVED BY:	REVIEWED BY:
SCALE: 3/4"=1'-0"	
DATE:	
VERSION: 1.0	
PROJECT: P-10	



REV	DATE	DESCRIPTION	BY
I	01-28-2021	SHELTER WALLING ADJUSTMENTS	
H	08-19-2020	INFO COMMENTS	
G	08-12-2020	CRS EQUIPMENT LAYOUT REVISED	
F	08-07-2020	CRS EQUIPMENT LAYOUT ADDED	
E	03-11-2020	INFO COMMENTS	
D	02-18-2020	CRS COMMENTS	
C	02-12-2020	MODIFIED INFO REVISION	
B	02-07-2020		
A	01-22-2020		

PROJECT:

**CR3 SHELTER
LAYOUT**

SUBJECT:

**"Z" BRACKET
EXTERNAL MAST
MOUNT**

SCALE:

DESIGNED BY:	VERIFIED BY: —
APPROVED BY:	REVIEWED BY:
SCALE: 3/4"=1'-0"	
DATE:	
VERSION: 1.0	
PROJECT:	P-11

N° de l'invitation - Solicitation No.
M7594-206588/C
N° de réf. du client - Client Ref. No.
M7594-206588

N° de la modif - Amd. No.
File No. - N° du dossier
hl670.M7594-206588

Id de l'acheteur - Buyer ID
hl670
N° CCC / CCC No./ N° VME - FMS

ANNEX B – PRICING TABLE

Unit prices in Canadian funds, applicable taxes excluded, DDP including loading and unloading. Total 55 shelters are firm quantities with an optional quantity of 12 shelters.

Bidders must provide Firm Unit prices (DDP including loading and unloading) for all items specified on the Pricing Table including the items with zero estimated quantities as the optional units will be the unit prices for the contract period in which the units are delivered.

1. Contract Period 1 - April 1, 2021 to March 31, 2022

Item	Description	Quantity and Location London ON	Quantity and Location Newmarket ON	Quantity and Location Ottawa ON	Quantity and Location Québec PQ	Total QTY
1	8' x 10' Telecommunications Equipment Shelters	Estimated Qty: 2	Estimated Qty: 5	Estimated Qty: 9	Estimated Qty: 1	17
	Firm Unit Price DDP including loading and unloading (\$CDN)	\$ _____ London ON	\$ _____ Newmarket ON	\$ _____ Ottawa ON	\$ _____ Québec PQ	
2	8' x 14' Telecommunications Equipment Shelters	Estimated Qty: 0	Estimated Qty: 1	Estimated Qty: 5	Estimated Qty: 0	6
	Firm Unit Price DDP including loading and unloading (\$CDN)	\$ _____ London ON	\$ _____ Newmarket ON	\$ _____ Ottawa ON	\$ _____ Québec PQ	

2. Contract Period 2 - April 1, 2022 to March 31, 2023

Item	Description	Quantity and Location London ON	Quantity and Location Newmarket ON	Quantity and Location Ottawa ON	Quantity and Location Québec PQ	Total QTY
1	8' x 10' Telecommunications Equipment Shelters	Estimated Qty: 0	Estimated Qty: 6	Estimated Qty: 2	Estimated Qty: 9	17
	Firm Unit Price DDP including loading and unloading (\$CDN)	\$ _____ London ON	\$ _____ Newmarket ON	\$ _____ Ottawa ON	\$ _____ Québec PQ	
2	8' x 14' Telecommunications Equipment Shelters	Estimated Qty: 0	Estimated Qty: 1	Estimated Qty: 2	Estimated Qty: 0	3
	Firm Unit Price DDP including loading and unloading (\$CDN)	\$ _____ London ON	\$ _____ Newmarket ON	\$ _____ Ottawa ON	\$ _____ Québec PQ	

N° de l'invitation - Solicitation No.
M7594-206588/C
N° de réf. du client - Client Ref. No.
M7594-206588

N° de la modif - Amd. No.
File No. - N° du dossier
hl670.M7594-206588

Id de l'acheteur - Buyer ID
hl670
N° CCC / CCC No./ N° VME - FMS

3. Contract Period 3 - April 1, 2023 to March 31, 2024

Item	Description	Quantity and Location London ON	Quantity and Location Newmarket ON	Quantity and Location Ottawa ON	Quantity and Location Québec PQ	Total QTY
1	8' x 10' Telecommunications Equipment Shelters	Estimated Qty: 0	Estimated Qty: 0	Estimated Qty: 0	Estimated Qty: 12	12
	Firm Unit Price \$CDN	\$ _____ London ON	\$ _____ Newmarket ON	\$ _____ Ottawa ON	\$ _____ Québec PQ	
2	8' x 14' Telecommunications Equipment Shelters	Estimated Qty: 0	Estimated Qty: 0	Estimated Qty: 0	Estimated Qty: 0	0
	Firm Unit Price DDP including loading and unloading (\$CDN)	\$ _____ London ON	\$ _____ Newmarket ON	\$ _____ Ottawa ON	\$ _____ Québec PQ	

4. Optional Quantities

Item	Description	Quantity and Location London ON	Quantity and Location Newmarket ON	Quantity and Location Ottawa ON	Quantity and Location Québec PQ	Total QTY
1	8' x 10' Telecommunications Equipment Shelters	Estimated Qty: 0	Estimated Qty: 2	Estimated Qty: 0	Estimated Qty: 7	9
2	8' x 14' Telecommunications Equipment Shelters	Estimated Qty: 0	Estimated Qty: 1	Estimated Qty: 0	Estimated Qty: 2	3



**ANNEX C - REQUEST AGAINST A CONTRACT
ANNEXE C - DEMANDE CONTRE UN CONTRAT**

In accordance with	Conformément à	Request no. - N° de commande
Solicitation NO. M7594-206588/001/HL	le CONTRAT N° M7594-206588/001/HL	
Dated	en date du	
and the terms and conditions therein, you are requested to carry out the work described below.	et les modalités qui y sont énumérées, vous êtes prié d'exécuter les travaux décrits ci-après.	

Contractor's name and address - Nom et adresse de l'entrepreneur	Send invoice to - Expédier la facture à	
Project no. - N° du projet	Note: Quote contract number, project number and request number on your invoice. Inscrive le numéro du contrat, le numéro du projet et le numéro de la demande sur la facture.	
Location of work - Endroit des travaux	Request cost, GST extra - Coût de la commande, TPS en plus	

Work description - Description des travaux

Departmental Representative - Représentant du ministère

_____	_____
Signature	Date

Solicitation No. - N° de l'invitation
M7594-206588/C
 Client Ref. No. - N° de réf. du client
M7594-206588

Amd. No. - N° de la modif.

 File No. - N° du dossier
hl670.M7594-206588

Buyer ID - Id de l'acheteur
hl670
 CCC No./N° CCC - FMS No./N° VME

ANNEX D – Mandatory Evaluation Criteria

The Bidder must meet the mandatory technical requirements specified below. The Bidder must provide the necessary documentation to support compliance with these requirements. Each mandatory technical requirement should be addressed separately.

	Description of Requirement	Cross-reference to bid documents (page / paragraph)
M1	<p>The Bidder must demonstrate that it has been a manufacturer of a minimum twenty (20) prefabricated transportable shelters, telecommunications or similar* in the five years prior to the closing date of the Request for Proposal (RFP).</p> <p>*Similar means: Fiberglass shelters, having a minimum interior dimensions of 8 feet x 10 feet.</p> <p>In order for the Bidder's experience to be considered, the Bidder must provide detailed descriptions of contracts/projects that demonstrate that the Bidder has provided similar prefabricated transportable telecommunication shelters of the same size or larger.</p> <p>In evaluating experience, Canada will consider the experience described by the Bidder that is:</p> <ol style="list-style-type: none"> 1. The Bidder's own experience (including the experience any one or more members of a joint venture bidder); 2. The experience of a subcontractor. If the Bidder has relied on the experience of a subcontractor, then, at contract award, the Bidder must, if requested by Canada, provide the guarantee of that entity for the performance of the resulting contract. If the Bidder cannot provide such a guarantee within 2 weeks of being advised that it has been recommended for contract award, Canada will be entitled to set aside its bid. <p>Each description must include at a minimum:</p> <ol style="list-style-type: none"> 1. Client organization name, contact name and title, telephone number, and email address*; 2. Year of the start and end date. 3. Quantities and dimensions of the shelters provided. 4. Value of the Project. <p><i>*Client organizations provided as reference may be contacted to confirm information provided.</i></p>	

Solicitation No. - N° de l'invitation
M7594-206588/C
Client Ref. No. - N° de réf. du client
M7594-206588

Amd. No. - N° de la modif.
File No. - N° du dossier
h1670.M7594-206588

Buyer ID - Id de l'acheteur
h1670
CCC No./N° CCC - FMS No./N° VME

ANNEX E to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

Solicitation No. - N° de l'invitation
M7594-206588/C
Client Ref. No. - N° de réf. du client
M7594-206588

Amd. No. - N° de la modif.
File No. - N° du dossier
h1670.M7594-206588

Buyer ID - Id de l'acheteur
h1670
CCC No./N° CCC - FMS No./N° VME

ANNEX F to PART 5 - BID SOLICITATION

FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\)-Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html>).

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
 - A2. The Bidder certifies being a public sector employer.
 - A3. The Bidder certifies being a federally regulated employer being subject to the Employment Equity Act.
 - A4. The Bidder certifies having a combined work force in Canada of less than 100 permanent full-time and/or permanent part-time employees.
 - A5. The Bidder has a combined workforce in Canada of 100 or more employees; and
 - A5.1. The Bidder certifies already having a valid and current Agreement to Implement Employment Equity (AIEE) in place with ESDC-Labour.
- OR**
- A5.2. The Bidder certifies having submitted the Agreement to Implement Employment Equity (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- B1. The Bidder is not a Joint Venture.
- OR**
- B2. The Bidder is a Joint Venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)