

City of Saint John

TENDER

Tender # 2024-085102T SALT SHED REMEDIATION

Sealed tenders, hand delivered or couriered, addressed to Monic MacVicar, CCLP, CPPB, Supply Chain Management, 1st Floor – 175 Rothesay Avenue, Saint John, NB, E2J 2B4, and marked on the envelope:

"Tender # 2024-085102T SALT SHED REMEDIATION"

will be received until 2:30:00 pm, Tuesday, March 19th, 2024 for the supply of all materials, labor and equipment necessary to complete the remediation of the salt shed at 406 Bay Street, in accordance with the enclosed specifications, drawings, terms and conditions.

In light of the current Covid-19 pandemic, there will be no public opening. Tenders will be opened by the Tender Opening Committee, in the first-floor boardroom, 175 Rothesay Avenue, Municipal Operations Complex, immediately following the tender closing time. <u>Registered bidders may attend remotely via</u> <u>Teams invitation.</u>

The lowest or any tender not necessarily accepted.

Monic MacVicar, CCLP, CPPB Supply Chain Management

Issued: Wednesday, February 28th, 2024

T E N D E R Tender # 2024-085102T SALT SHED REMEDIATION

SCOPE OF WORK:

The City of Saint John is soliciting tenders from qualified bidders to supply all materials, labor and equipment necessary to complete the remediation of the salt shed at 406 Bay Street, as per the specifications, drawings, terms and conditions outlined in this document.

A pre-bid site visit will be held on Tuesday, March 5th, 2024 at 3:30:00PM. We will meet at 406 Bay Street. All bidders are strongly urged to attend.

SPECIFICATIONS:

See Appendix A for specifications and drawings.

TERMS AND CONDITIONS

Governing Law, Trade Treaties and Policies

This procurement will be in accordance with the laws of the province of New Brunswick and the federal laws of Canada.

This procurement is also subject to the following Policies, Legislation and Internal Trade Agreement(s) including:

- > Agreement on the Opening of Public Procurement for NB and Québec
- Canadian Free Trade Agreement
- New Brunswick Procurement Act and Regulation 2014-93
- City of Saint John Strategic Procurement Policy

Submission Instructions

Sealed tenders, hand delivered or couriered, addressed to Monic MacVicar, CCLP, CPPB, Supply Chain Management, 1st Floor – 175 Rothesay Avenue, Saint John, NB, E2J 2B4, and marked on the envelope:

"Tender # 2024-085102T SALT SHED REMEDIATION"

will be received until 2:30:00 pm, Tuesday, March 19th, 2024 for the work contemplated in this document and in accordance with the enclosed specifications, drawings, terms and conditions.

Enquiries

Bidders shall promptly examine the bid documents and report any errors, omissions or ambiguities and may direct enquiries or seek additional information in writing by email before the deadline for enquiries to the Authorized Enquiries Contact as set out below. No such communications are to be directed to anyone other than the Authorized Enquiries Contact.

Authorized Enquiries Contact

Monic MacVicar, CCLP, CPPB Supply Chain Management City of Saint John Email: <u>supplychainmanagement@saintjohn.ca</u>

It is the Bidder's responsibility to seek clarification from the City on any matter it considers unclear. The City shall not be responsible for any misunderstanding on the part of the Bidder concerning this bid document or its process.

The City intends to confirm receipt of a bidder's communication by way of an email or facsimile in reply. If a bidder has not received a reply, the bidder may wish to resend its communication as the lack of reply may have resulted from a technical problem. The City is under no obligation to respond to enquiries or provide additional information but may do so at its sole discretion.

Responses to inquiries may be distributed to all bidders on the invitation list as having received the bid documents as of the date the response is prepared. The source of the question will not be identified in the response. Verbal information shall not be binding upon the City. Inquiries received after the deadline for enquiries will not receive a response.

Tender to be Submitted on Prescribed Form

Bidders are to submit their tender on the prescribed form contained in this document. Failure to submit on this form may result in the disqualification of the bid.

<u>Taxes</u>

The bid price shall be all taxes extra. The City of Saint John shall be invoiced for and pay all applicable taxes related to this bid.

Schedule for the Bid Process

Issue Date	Wednesday, February 28 th , 2024	
Pre-Bid Site Visit	Tuesday, March 5 th , 2024 at 3:30:00 pm ADT	
Deadline for Enquiries	Thursday, March 7 th , 2024 at 4:00:00 pm, ADT	
Deadline for Issuing Addenda	Tuesday, March 12 th , 2024 at 4:00:00 pm, ADT	
Submission Deadline	Tuesday, March 19 th , 2024 at 2:30:00 pm, ADT	
Date of Award	TBD	

The Schedule for the bid process is tentative only and may be changed by the City in its sole discretion.

Advisory Notice(s)

Periodically, the City of Saint John is required to issue clarification notices to a bid document in the form of Advisory Notices. Normally these notifications will not have a direct bearing on the cost of a project and will not influence bidding.

Bidders are responsible for obtaining all advisory notice(s) issued by the City. Advisory Notice(s) may be obtained from the City's website (<u>www.saintjohn.ca</u>) under the Menu option, City Hall header, then "Tender and Proposals".

Bidders are instructed to sign the Advisory Notice and return it either by fax to (506) 658-4742 or email to <u>supplychainmanagement@saintjohn.ca</u> prior to the closing date. Failure to comply with the instructions on an advisory may result in rejection of the bid.

Addenda

Periodically, the City of Saint John is required to issue notification of changes or corrections to a bid document by way of addenda. Normally these notifications will have direct bearing on the cost of a project and will influence bidding. Therefore, it is important that the City have assurances that bidders have in-fact received the notification(s).

Bidders are responsible for obtaining all addenda issued by the City. Addenda may be obtained from the City's website (<u>www.saintjohn.ca</u>) under the Menu option, City Hall header, then "Tender and Proposals".

Bidders are required to sign and include all addenda with their bid submission.

Failure to include a copy of all signed addenda with the bid submission may result in rejection of the bid regardless of whether or not the changes noted in the addendum are included in the bid submission.

Mandatory Requirements

Each submission will be evaluated to ensure that it complies with the mandatory requirements and may be rejected if it does not comply. The evaluation of mandatory requirements will confirm that:

- the submission was received prior to the applicable Submission Deadline;
- the bid submission is signed;
- the bid submission is legible;
- the bid submission does not contain a substantive qualification or conditions that are contrary to the terms of the bid document;
- the bid submission does not contain a change in price that was not initialled by the person who signed the submission; and
- the bid submission is in English;

Payment **1**

Payment shall be based on Net 45 Days from date of invoice or receipt of goods/services, whichever is later. Invoices can either be mailed to: City of Saint John, Accounts Payable Department, P.O. Box 1971, Saint John, NB, E2L 4L1, or by email to the Accounts Payable department (accountspayable@saintjohn.ca). Vendors are to ensure invoices are not sent both ways.

Pricing

The tender prices shall include all installation wages, fringe benefits, insurance, transportation, delivery, duty, working tools, equipment costs, and any other charges incurred in order to provide required materials and/or services.

<u>Holdback</u>

A Hold back of 10% of all monies due to the contractor will be retained by the City until 60 days after the substantial completion date of the work, approved by the project manager, and receipt of a statutory declaration.

<u>Substitutes</u>

Substitute products will not be considered (where applicable).

Verbal Agreement

No verbal agreement or conversation with any officer, agent or employee of the owner either before or after execution of the contract shall effect or modify any of the terms or obligations contained in any of the documents comprising the said contract.

Fax Tenders

Tenders received by fax WILL NOT be accepted.

Late Bids

Bids received after the time and date as shown in this document shall not be considered.

Cancelation Clause

In the event that the successful bidder does not comply with the specifications and terms and conditions of this tender, at any time throughout the duration of the contract, the City of Saint John reserves the right to cancel the contract in its entirety.

Basis for Award

A The city does not limit itself to accepting the lowest, or any tender submitted, but reserves the right to award the tender in any manner deemed to be in the City's best interest. It is the City of Saint John's intention to award this agreement to one Vendor.

No guarantee

The City makes no guarantee as to the volume of the Deliverables.

Acceptance, Revocation and Rejection Of Tenders

The bidder agrees that his tender is a firm offer to supply the goods and/or services specified herein at the quoted price, and in accordance with the terms and conditions herein contained. The bidder may revoke his tender at any time prior to the time fixed for tender opening by delivering, or causing to be delivered, written notice of revocation to the designated official at the City of Saint John. Revocation will take effect from the time the notice is actually received. A notice of revocation will not be accepted after the time fixed for tender opening.

The bid shall not be restricted by a statement added to the Tender Form, or by a covering letter, or by alterations to the tender form as supplied, unless otherwise provided herein and further, a tender form that has been altered in any way may be deemed to be a non-confirming bid and, therefore, rejected. Bidders shall be allowed to attach descriptive literature; whose sole purpose is to amplify the bid.

Due Diligence

In the event that a health and safety offence is committed, the onus falls on the employer to prove that it exercised due diligence (i.e. did everything it reasonably could) in order to avoid the offence.

When hiring contractors, the City of Saint John is responsible for ensuring compliance with Health and Safety Legislation and must make sure that the appropriate accident prevention systems are implemented in the workplace.

Therefore, if any contractor is found to be working in an unsafe manner, or outside of current legislation, he will be made to stop work immediately. Any losses which may arise as a result of this work stoppage are the responsibility of the contractor.

Failure to comply with current legislation on the part of the contractor, may lead to cancellation of this contract and any bid deposits that may be in place.

Insurance

The successful contractor shall provide evidence of the following insurance coverage:

General Liability with minimum limits of two million dollars, (\$2,000,000.00). The policy shall include:

*operations of the contractor in connection with this tender;
*products and completed operations coverage;
*contractual liability with respect to this tender;
*the City of Saint John added as an additional insured;
*a cross liability clause;
*non-owned automobile;
*thirty (30) days notice of cancellation of this policy "will" be given to the City of Saint John, by the insurers;

Standard automobile insurance for owned automobiles with at least the minimum limits allowed by law. This coverage is to remain in effect for the entire time frame of the contract.

WorksafeNB Certificate and Business Corporations Act Certificate

New Brunswick Tenderers shall provide to the City a WorkSafeNB certificate which confirms proper registration and good standing with WorkSafeNB and a Business Corporations Act Certificate which confirms proper registration and good standing with the Province of New Brunswick - Corporate Affairs within five (5) Working Days following the City's notice of selection.

Out-of-province Tenderers shall provide to the City a WorkSafeNB certificate which confirms proper registration and good standing with WorkSafeNB or a letter or certificate issued under the equivalent applicable legislation in the province of origin of the Tenderer confirming extension of coverage from said legislation to the Province of New Brunswick for the term of the Contract. Subject to paragraph c), out-of-province Tenderers shall also provide a Business Corporations Act Certificate which confirms proper registration and good standing with the Province of New Brunswick - Corporate Affairs within five (5) Working Days following the City's notice of selection.

Tenderers from Nova Scotia may submit the appropriate Business Corporations Act Certificate from the Province of Nova Scotia.

Reserved Rights

The City reserves the right to:

a) Reject an unbalanced bid submission. For the purpose of this section, an unbalanced bid submission is a bid submission containing a unit price which deviates substantially from, or does not fairly represent reasonable and proper compensation for the unit of work bid or one that contains prices which appear to be so unbalanced as to adversely affect the interests of the City. The City reserves the right to use other bids submitted in response to this bid solicitation or for other like or similar work as a guideline in determining if a bid is unbalanced.

- b) Amend or modify the scope of the Work, and/or cancel or suspend the bid award, at any time for any reason;
- c) Require bidders to provide additional information after the submission deadline to support or clarify their bid submission;
- d) Not accept any or all bids;
- e) Not accept a bid submission from a bidder who is itself, or whose principals, owners or directors are also principals, owners or directors of another entity which is, involved in litigation, arbitration or any other similar proceeding against the City;
- f) Reject any or all bid submissions without any obligation, compensation or reimbursement to any bidder or any of its team members;
- g) Withdraw this bid solicitation and cancel or suspend the bid process;
- h) Extend, from time to time, any date, any time period or deadline provided in this bid solicitation (including, without limitation, the submission deadline), upon written notice to all bidders;
- i) Assess and reject a bid submission on the basis of:
 - (i) information provided by references;
 - (ii) the bidder's past performance on previous contracts;
 - (iii) the information provided by a bidder pursuant to the City exercising its clarification rights under this bid process;
 - (iv) the bidder's experience with performing the type and scope of work specified;
 - (v) other relevant information that arises during this procurement process;
- j) Waive formalities and accept bids which substantially comply with the requirements of this bid solicitation;
- k) Verify with any bidder or with a third party any information set out in a bid submission;
- Disqualify any bidder whose bid submission contains misrepresentations or any other inaccurate or misleading information;
- m) Disqualify any bidder who has engaged in conduct prohibited by the bid solicitation;
- n) Make changes, including substantial changes, to the bid solicitation provided that those changes are issued by way of addenda in the manner set out in this bid document;
- o) Select any bidder other than the bidder whose bid submission reflects the lowest cost to the City;

- p) Cancel this procurement process at any stage, for any reason;
- q) Cancel this procurement process at any stage and issue a new bid solicitation for the same or similar deliverables;
- r) Accept any bid submission in whole or in part;
- s) Waive minor non-compliance with the mandatory requirements of the bid solicitation and accept the bid submission; or
- t) Accept a bid submission which contains the following errors:
 - error in mathematics whether this involves the extension of a unit price or an error in addition, the mistake will be corrected and the correct total will be used for evaluation purposes and will be binding on the bidder.
 - (ii) conflict between the written and numerical bid prices. In all cases, the total bid price will be corrected to reflect the written bid price, whether lump sum or unit price (where applicable).
 - (iii) failure to include the contingency allowance in the total bid price (where applicable). If the contingency allowance was not included in the addition, the bid price shall be corrected to reflect its inclusion.

and these reserved rights are in addition to any other express rights or any other rights which may be implied in the circumstances and the City shall not be liable for any expenses, costs, losses or any direct or indirect damages incurred or suffered by any bidder or any third party resulting from the City exercising any of its express or implied rights under this bid solicitation.

By submitting a bid, the bidder authorizes the collection by the City of the information set out at paragraph i) in the manner contemplated in that subparagraph.

Limitation of Liability and Waiver

Each bidder, by submitting a bid, agrees that:

- a) Neither the City nor any of its employees, agents, advisors or representatives will be liable, under any circumstances, for any Claim arising out of this procurement process including but not limited to costs of preparation of the bid submission, loss of profits, loss of opportunity or for any other Claim; and
- b) The bidder waives any Claim for any compensation of any kind whatsoever, including Claims for cost of preparation of the bid submission, loss of profit or loss of opportunity by reason of the City's decision to not accept the bid submitted by the bidder, to award a Contract to any other bidder or to cancel this procurement process, and the bidder shall be deemed to have agreed to waive such right or Claim.

Validity Period

The bid submission constitutes an offer which shall remain open and irrevocable until 90 days after the submission deadline.

Minor Irregularities

The City of Saint John reserves the right to waive minor non-compliances in accordance with Section 120 of the Province of New Brunswick's Regulation 2014-93 under the Procurement Act.

APPENDIX A – SPECIFICATIONS

TENDER No. 2024-085102T SALT SHED REMEDIATION

<u>GENERAL NOTES</u>

- 1. THE BUILDING STRUCTURE REMEDIATION BEEN DESIGNED IN ACCORDANCE WITH THE NATIONAL BUILDING CODE 2015.
- 2. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS WITH SITE CONDITIONS. REPORT ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- 3. READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.
- 4. ALL REFERENCES TO CODES & STANDARDS ARE TO THE LATEST ISSUE.

SITE INSPECTION REPORTS & TESTING

- 1. THE NATIONAL BUILDING CODE 2015 SPECIFIES THAT GENERAL FIELD REVIEWS OF THE BUILDING BE CARRIED OUT DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE START OF CONSTRUCTION TO FACILITATE SUCH REVIEWS BY THE STRUCTURAL ENGINEER.
- 2. THIRD PARTY INSPECTION AND TESTING REPORTS ARE TO BE SUPPLIED TO THE STRUCTURAL ENGINEER BY THE GENERAL CONTRACTOR FOR THE FOLLOWING:
 - A) STRUCTURAL STEEL, ERECTION, PLUMB, BOLTING AND FIELD WELDS.

STRUCTURAL METAL

- 1. CONFORM TO CSA STANDARD CAN/CSA S16 LIMIT STATES DESIGN OF STEEL STRUCTURES.
- CONFORM TO CSA STANDARD W55.3, RESISTANCE WELDING QUALIFICATIONS CODE FOR FABRICATORS OF STRUCTURAL MEMBERS USED IN BUILDINGS.
- 3. CONFORM TO CSA STANDARD W59, WELDED STEEL CONSTRUCTION (METAL ARC WELDING).
- 4. WELDING ELECTRODES CSA STANDARD W48, FILLER METALS AND ALLIED MATERIALS FOR METAL ARC WELDING.
- 5. STRUCTURAL STEEL CSA STANDARD G40.20/G40.21, GENERAL REQUIREMENTS FOR ROLLED OR WELDED STRUCTURAL QUALITY STEEL/STRUCTURAL QUALITY STEELS. GRADE 350W FOR GENERAL PURPOSE STRUCTURAL STEEL SHAPES, 300W FOR ANGLES, CHANNELS, RODS AND PLATES. HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO CSA STANDARD G40.20 GRADE 350W, HOT FORM WELDED OR HOLLOW STRUCTURAL SECTION, CLASS H.
- HIGH STRENGTH BOLTS, NUTS AND WASHERS A.S.T.M. STANDARD A325, STANDARD SPECIFICATION FOR STRUCTURAL BOLTS, STEEL, HEAT TREATED 120/105 ksi MINIMUM TENSILE STRENGTH OR A325M, STANDARD SPECIFICATION FOR HIGH STRENGTH BOLTS FOR STRUCTURAL STEEL JOINTS (METRIC).
- 7. ANCHOR RODS A.S.T.M. F1554 GRADE 36

FOUNDATION WALL - LIQUID APPLIED MEMBRANE

A) MANUFACTURER

 WATERPROOFING MEMBRANE COMPONENTS AND ACCESSORIES MUST BE OBTAINED AS A SINGLE-SOURCE FROM THE MEMBRANE MANUFACTURER / DISTRIBUTOR TO ENSURE TOTAL SYSTEM COMPATIBILITY AND INTEGRITY.

ACCEPTABLE MANUFACTURER: NATURASEAL DISTRIBUTION INC. 960 EDGELEY BOULEVARD, UNIT 4 VAUGHAN, ONTARIO, L4K 4V4 1-855-795-SEAL WWW.NATURASEAL.COM

B) <u>MATERIALS</u>

1. PRIMARY WATERPROOFING MEMBRANE FOR TEMPERATURES ABOVE 4.5 DEGREES C SHALL BE SPRAYSEAL NS F-300 MANUFACTURED BY NATURASEAL; A TWO COMPONENT ELASTOMERIC ASPHALT EMULSION, SPRAY APPLIED, COMPATIBILITY WITH SUBSTRATES AND TRANSITION MEMBRANES. MEMBRANE SHALL HAVE THE FOLLOWING PHYSICAL PROPERTIES:

ELONGATION: 486% MAXIMUM VOC: 0 G/L WATER VAPOR PERMEANCE: 0.02 PERMS TO ASTM E96-16 CHEMICAL RESISTANCE: ALKALIS, CALCIUM CHLORIDE, MILD ACID AND SALT SOLUTIONS

- 2. TROWEL OR CAULKING TUBE APPLIED LIQUID WATERPROOFING MEMBRANE FOR DETAILING SHALL BE PATCHSEAL MANUFACTURED BY NATURASEAL.
- C) <u>INSPECTION</u>

PRIOR TO COMMENCEMENT OF WORK, A THOROUGH INSPECTION OF THE SUBSTRATE SHOULD BE CARRIED OUT TO DETERMINE OR CONFIRM THE FOLLOWING:

- 1. PARTICULARLY IN THE CASE OF NEW CONSTRUCTION, DETERMINE WHETHER CURING OR PARTING COMPOUNDS OR HARDENERS WERE USED AND, IF SO, THE SPECIFIC COMPOUNDS USED. NON-OIL BASED COMPOUNDS ARE GENERALLY COMPATIBLE WITH AND ARE PREFERRED. HOWEVER, OIL BASED COMPOUNDS DO NOT PRESENT A PROBLEM IF THE SURFACE IS PROPERLY PREPARED. REFER QUESTIONS REGARDING COMPATIBILITY TO NATURASEAL DISTRIBUTION INC. – ALSO REFER TO THE CHEMICAL RESISTANCE CHART (CRC) LOCATED ON NATURASEAL WEBSITE.
- 2. THE PRESENCE OF LARGE IRREGULARITIES, SUCH AS CRACKS, VOIDS, BUG HOLES, OR LARGE GAPS.
- 3. THE SOUNDNESS OF THE EXISTING TOP COAT, IF THE WALL HAS BEEN COATED, AND THE COMPATIBILITY OF THE COATING AND SPRAYSEAL MEMBRANE SHOULD BE DETERMINED BY SPRAYING A SMALL TEST AREA.

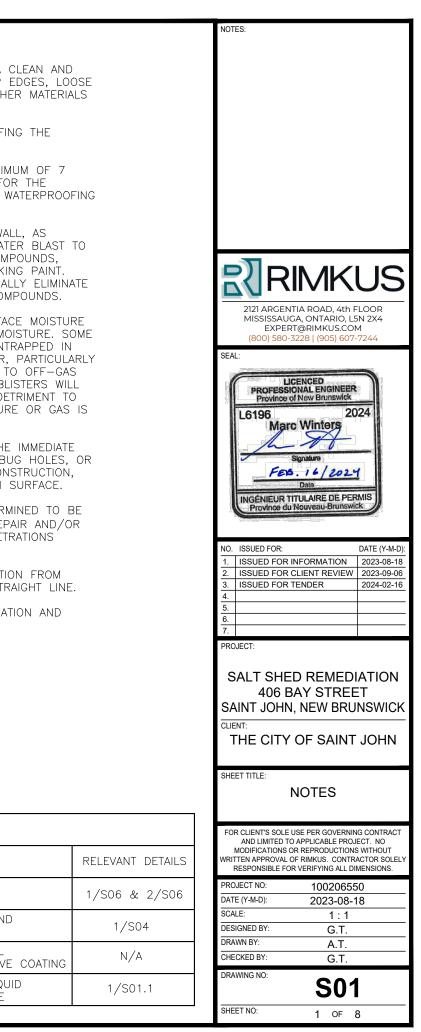
D) <u>SUBSTRATE PREPARATION</u>

SPRAYSEAL MEMBRANE MUST BE INSTALLED ON A CLEAN AND STRUCTURALLY SOUND SURFACE, FREE OF SHARP EDGES, LOOSE OR FOREIGN MATERIAL, DIRT, OIL, GREASE OR OTHER MATERIALS OR DEBRIS THAT MAY DAMAGE THE MEMBRANE.

PRIOR TO THE INSTALLATION OF ANY WATERPROOFING THE FOLLOWING MUST BE MET:

- CONCRETE SHALL EITHER BE CURED A MINIMUM OF 7 DAYS, OR DEEMED DRY AND ACCEPTABLE FOR THE WATERPROOFING BY THE CONSULTANT AND WATERPROOFING MEMBRANE MANUFACTURER.
- 2. POWER WASH OR OTHERWISE CLEAN THE WALL, AS NECESSARY, INCLUDING HIGH PRESSURE WATER BLAST TO REMOVE RESIDUAL CURING OR PARTING COMPOUNDS, HARDENERS, LAITANCE OR LOOSE AND FLAKING PAINT. HIGH-PRESSURE WATER BLAST WILL GENERALLY ELIMINATE ANY PROBLEMS ASSOCIATED WITH SUCH COMPOUNDS.
- 3. ALLOW WALL TO DRY UNTIL FREE OF SURFACE MOISTURE AND, IF POSSIBLE, FREE FROM RETAINED MOISTURE. SOME BLISTERING MAY OCCUR IF MOISTURE IS ENTRAPPED IN THE WALL AT THE TIME OF APPLICATION OR, PARTICULARLY IN THE CASE OF NEW CONSTRUCTION DUE TO OFF-GAS OF THE CONCRETE WHEN SEALED. THESE BLISTERS WILL DISAPPEAR WITHIN A FEW DAYS, WITHOUT DETRIMENT TO THE SPRAYSEAL MEMBRANE AS THE MOISTURE OR GAS IS ABSORBED INTO THE SUBSTRATE.
- 4. FILL ANY SIGNIFICANT IRREGULARITIES IN THE IMMEDIATE SUBSTRATE, SUCH AS CRACKS, VOIDS OR BUG HOLES, OR LARGE GAPS IN THE CASE OF PRECAST CONSTRUCTION, WITH SUITABLE FILLER TO FORM A SMOOTH SURFACE.
- 5. ONCE THE EXISTING WALL HAS BEEN DETERMINED TO BE A SOUND SUBSTRATE FOR APPLICATION, REPAIR AND/OR REPLACE ANY DETAILS, FLASHING, OR PENETRATIONS FOUND TO BE SUSPECT.
- 6. MASK ALL AREAS AS NEEDED FOR PROTECTION FROM OVER-SPRAY. MASK TERMINATIONS TO A STRAIGHT LINE.
- 7. CHECK WIND CONDITIONS PRIOR TO APPLICATION AND COMPENSATE FOR OVER-SPRAY.

BUILDING REMEDIATION SCHEDU		G REMEDIATION SCHEDULE
MARK	REMEDIATION	SPECIFICATION SECTIONS
(1)	TRUSS END REPAIRS	STRUCTURAL METAL
2	STEEL X-BRACING REPLACEMENTS	AIRCRAFT CABLES ANE ACCESSORIES
3	STEEL COMPONENTS CLEANING AND RE-FINISHING	STRUCTURAL STEEL COMPONENTS-NEW PROTECTIVE
④.	CONCRETE WALL CRACK SEALING AND NEW MEMBRANE APPLICATION	FOUNDATION WALL-LIQU APPLIED MEMBRANE



FOUNDATION WALL-LIQUID APPLIED MEMBRANE (CONTINUED)

E) <u>DETAIL WORK</u>

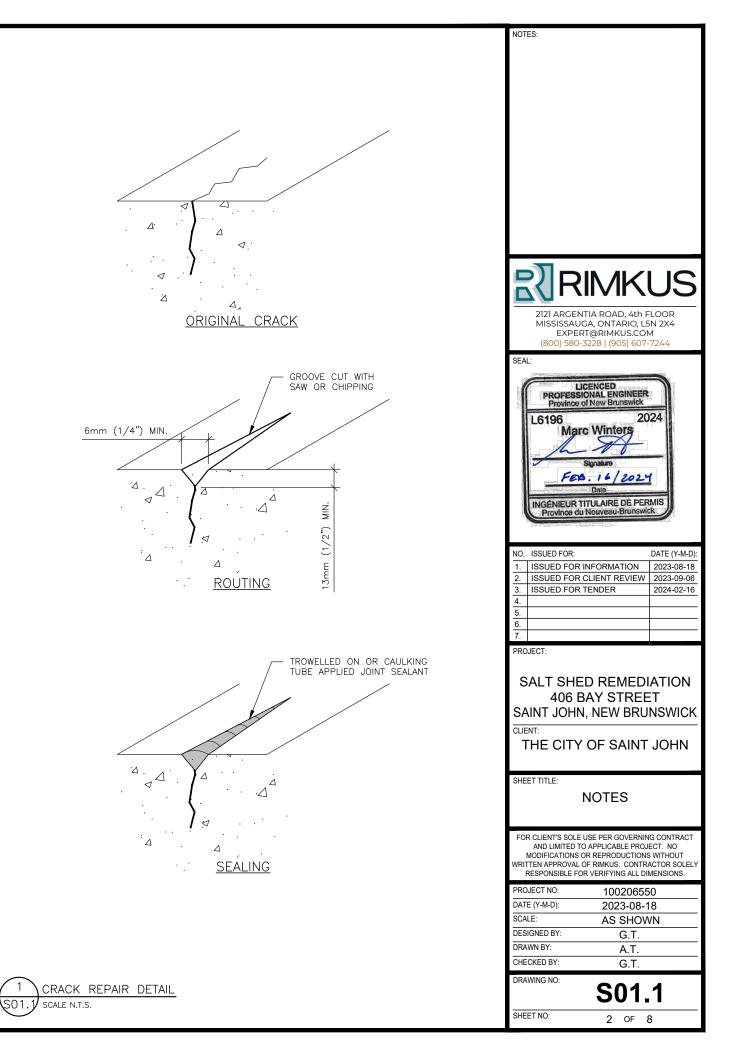
- 1. ALL SHRINKAGE CRACKS MORE THAN 1/16" (1.5 mm) SHALL BE ROUTED ¼" (6 MM) WIDE BY ½" (12 mm) DEEP, CLEAN OUT ROUTED CRACK, INSTALL BOND BREAKER IN BOTTOM OF CRACK AND APPLY PATCHSEAL SEALANT AND TOOL INTO THE CRACK. BASE BID PRICE TO INCLUDE FOR A TOTAL OF 250 LINEAR FEET OF CRACK ROUTING AND SEALING. REFER TO DETAIL 1/S01.1.
- 2. SPRAYSEAL SHALL BE SUPPLIED AND INSTALLED BY AN APPROVED APPLICATOR. THE SPRAY GUN AND ASSOCIATED DELIVERY EQUIPMENT SHALL BE SET UP SUCH THAT THE SEPARATE EMULSION AND CATALYST ARE COMBINED IN TWO EVEN FAN PATTERNS WITH NO PRECIPITATION OF EITHER COMPONENT. IT SHALL PRODUCE A NON-LIQUID COATING EXHIBITING A FINELY TEXTURED SURFACE WITH THE CHARACTERISTIC OF UNIFORMLY RELEASING THE WATER CARRIER CONTAINED WITHIN THE EMULSION.
- 3. FOR ALL VERTICAL WALL AREAS, SUPPLY AND INSTALL SPRAYSEAL NS-F300 SHALL BE SPRAY APPLIED IN LIQUID FORM AND AIR CURED TO FORM A SEAMLESS FILM. THE APPLIED MEMBRANE SHOULD MEASURE 110 MILS (2.75 mm) (WET) AND 80 MILS (2 mm) (DRY).
- 4. SPRAY AN ADDITIONAL 20 MIL COAT OF SPRAYSEAL TO ALL VERTICAL INSIDE AND OUTSIDE CORNERS EXTENDING 75 mm ON EITHER SIDE OF THE CORNER.
- 5. SPRAYSEAL DRIES TO THE TOUCH IN ONE (1) MINUTE @20°C AND IS COMPLETELY CURED IN 48 HRS. THIS CURING TIME MAY VARY DEPENDING ON TEMPERATURE AND RELATIVE HUMIDITY. TYPICALLY, AN APPLICATOR CREW CAN SPRAY 10,000 ft²/ (930 m²/) PER DAY WITH ONE CREW OR 20,000 ft²/ (1850 m²/) WITH 2 CREWS USING ONE MACHINE
- 6. ATTENTION MUST BE TAKEN DURING APPLICATION PROCESS TO ENSURE A CONSISTENT AND HOMOGENEOUS MEMBRANE. USE A WET FILM THICKNESS GAUGE TO ENSURE PROPER MINIMUM THICKNESS ACHIEVED.
- CHECK MEMBRANE FOR CORRECT THICKNESS IN A GRID PATTERN EVERY 10m²/.
- 8. THE NOMINAL STANDARD CURING TIME IS 24 HRS AT 200/C.

F) QUALITY ASSURANCE

- 1. PERFORM WORK IN ACCORDANCE WITH THE PRINTED REQUIREMENTS OF THE MEMBRANE MANUFACTURER AND THIS SPECIFICATION. ADVISE DESIGNER OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF THE WORK.
- 2. THE SPRAY-APPLIED MEMBRANE MAY ONLY BE APPLIED BY A QUALIFIED LICENSED NATURASEAL DISTRIBUTION INC. APPLICATOR.
- 3. MAINTAIN ONE COPY OF MANUFACTURERS LITERATURE ON SITE THROUGHOUT THE EXECUTION OF THE WORK.
- 4. ENSURE CONTINUITY OF THE WATERPROOFING MEMBRANE THROUGHOUT THE SCOPE OF THIS SECTION.
- 5. WORKS SHALL BE SO SCHEDULED AS TO PROVIDE A WATERTIGHT SEAL AT THE END OF EACH WORKING DAY ON THE AREAS WORKED UPON DURING THE DAY.
- 6. INSPECTION METHOD: MEMBRANE MAY BE CHECKED FOR COVERAGE WITH A LIGHTLY OILED, NEEDLE NOSE DEPTH GAUGE, OR BY TAKING ONE (1) CUT-OUT OF ONE (9) SQUARE INCHES EVERY ONE THOUSAND (1,000) SQUARE FEET (93 m²/). RECORD THE MINIMUM READING. MARK THE TEST AREA. TEST AREAS ARE TO BE PATCHED OVER WITH SPRAYSEAL MEMBRANE TO A 120-MIL (3 mm) MINIMUM DRY THICKNESS, EXTENDING A MINIMUM OF 25 mm BEYOND THE TEST PERIMETER. IF THE MEMBRANE SUFFERS DAMAGE IT SHALL BE REPAIRED BY REPEATING THE APPLICATION PROCESS AND OVERLAPPING THE DAMAGED AREA THAT HAS BEEN TRIMMED AND CLEANED.

AIRCRAFT CABLES & ACCESSORIES

- 1. ALL CABLES, SHACKLES, TURNBUCKLES AND PINS TO BE GALVANIZED.
- 2. SHACKLES, TURNBUCKLES AND PINS TO BE GRADE 100-110 STEEL.
- 3. STEEL CABLES TO CONFORM TO US FEDERAL SPEC RR-W-410H.
- 4. NEW 3/8" DIAMETER CABLES TO HAVE A MINIMUM BREAK STRENGTH OF 10,000 LBS.



STRUCTURAL STEEL COMPONENTS – NEW PROTECTIVE COATING

A) <u>REFERENCES</u>

1. ALL CODES, STANDARD SPECIFICATIONS AND BY-LAWS REFERRED TO IN THIS SECTION SHALL BE CURRENT EDITIONS INCLUDING ALL REVISIONS, ADDENDA, AND SUPPLEMENTS.

2. MASTER PAINTERS INSTITUTE (MPI):

- .1 ARCHITECTURAL PAINTING SPECIFICATION MANUAL.
- 3. SOCIETY FOR PROTECTIVE COATINGS (SSPC):
- .1 SSPC MANUAL VOL.1: GOOD PAINTING PRACTICE.
- .2 SSPC MANUAL VOL.2: SYSTEMS AND SPECIFICATIONS.
- .3 SSPC SURFACE PREPARATION STANDARDS.
- .4 SSPC SP1: SOLVENT CLEANING.
- .5 SSPC SP10: NEAR-WHITE BLAST CLEANING.

B) QUALITY ASSURANCE

- . CONTRACTOR QUALIFICATIONS: SHALL HAVE A MINIMUM OF 5 YEARS PROVEN SATISFACTORY EXPERIENCE. WHEN REQUESTED, PROVIDE A LIST OF LAST 3 COMPARABLE JOBS INCLUDING, JOB NAME AND LOCATION, SPECIFYING AUTHORITY, AND PROJECT MANAGER.
- .1 QUALIFIED JOURNEYMEN SHALL BE ENGAGED IN PAINTING WORK. APPRENTICES MAY BE EMPLOYED PROVIDED THEY WORK UNDER DIRECT SUPERVISION OF A QUALIFIED JOURNEYMAN IN ACCORDANCE WITH TRADE REGULATIONS.
- 2. MATERIALS: PRIMERS, PAINTS, COATINGS, VARNISHES, STAINS, LACQUERS, FILLERS, THINNERS, SOLVENTS, ETC. SHALL BE IN ACCORDANCE WITH MPI PAINTING SPECIFICATION MANUAL "APPROVED PRODUCT" LISTING AND SHALL BE FROM A SINGLE MANUFACTURER FOR EACH SYSTEM USED, UNLESS NOTED ON DRAWINGS OR AS ACCEPTABLE MATERIALS WITHIN THIS SPECIFICATION.
- 3. OTHER PAINT MATERIALS SUCH AS LINSEED OIL, SHELLAC, TURPENTINE, ETC. SHALL BE HIGHEST QUALITY PRODUCT OF AN APPROVED MANUFACTURER.

C) <u>DELIVERY, HANDLING AND STORAGE</u>

- 1. DELIVER AND STORE MATERIALS IN ORIGINAL CONTAINERS, SEALED, WITH LABELS INTACT.
- 2. LABELS TO CLEARLY INDICATE:
- .1 MANUFACTURER'S NAME AND ADDRESS.
- .2 TYPE OF PAINT OR COATING.
- .3 COMPLIANCE WITH APPLICABLE STANDARD.
- .4 COLOUR NUMBER IN ACCORDANCE WITH OWNER APPROVED COLOUR.
- 3. REMOVE DAMAGED, OPENED, AND REJECTED MATERIALS FROM SITE.
- 4. PROVIDE AND MAINTAIN DRY, TEMPERATURE CONTROLLED, SECURE STORAGE.
- 5. OBSERVE MANUFACTURER'S RECOMMENDATIONS FOR STORAGE AND HANDLING.
- 6. STORE MATERIALS AND SUPPLIES AWAY FROM HEAT GENERATING DEVICES.
- 7. STORE MATERIALS AND EQUIPMENT IN A WELL VENTILATED AREA WITH TEMPERATURE RANGE 7C TO 30C.
- 8. STORE TEMPERATURE SENSITIVE PRODUCTS ABOVE MINIMUM TEMPERATURE AS RECOMMENDED BY MANUFACTURER.

- 9. KEEP AREAS USED FOR STORAGE, CLEANING, AND PREPARATION, CLEAN AND ORDERLY TO APPROVAL OF CONSULTANT. AFTER COMPLETION OF OPERATIONS, RETURN AREAS TO CLEAN CONDITION TO APPROVAL OF CONSULTANT.
- 10. REMOVE PAINT MATERIALS FROM STORAGE ONLY IN QUANTITIES REQUIRED FOR SAME DAY USE.
- 11. COMPLY WITH REQUIREMENTS OF WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) REGARDING USE, HANDLING STORAGE, AND DISPOSAL OF HAZARDOUS MATERIALS.
- 12. FIRE SAFETY REQUIREMENTS:
- .1 PROVIDE ONE 9 KG TYPE ABC FIRE EXTINGUISHER ADJACENT TO STORAGE AREA.
- .2 STORE SOLVENT RAGS, WASTE PRODUCTS, EMPTY CONTAINERS AND MATERIALS SUBJECT TO SPONTANEOUS COMBUSTION IN ULC APPROVED, SEALED CONTAINERS AND REMOVE FROM SITE ON A DAILY BASIS.
- .3 HANDLE, STORE, USE AND DISPOSE OF FLAMMABLE AND COMBUSTIBLE MATERIALS IN ACCORDANCE WITH NATIONAL FIRE CODE OF CANADA.

D) <u>MATERIALS</u>

- 1. ONE COAT, MINIMUM DFT OF 6 MILS.
- .1 DEVOE BAR-RUST 235 EPOXY COATING SUPPLIED BY AKZONOBEL.
- 2. COLOUR TO MATCH EXISTING GREY STEEL COLOUR. SUBMIT COLOUR SAMPLE TO CONSULTANT, TO BE APPROVED BY OWNER.

E) <u>EXECUTION</u>

- 1. COMPLY WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS OR SPECIFICATIONS, INCLUDING PRODUCT TECHNICAL BULLETINS, HANDLING, STORAGE AND INSTALLATION INSTRUCTIONS, AND DATA SHEET.
- 2. PAINT MANUFACTURER TO HAVE TECHNICAL REPRESENTATIVE ATTEND SITE DURING SAMPLE PREPARATION AND RANDOMLY DURING APPLICATION TO CONFIRM FOR CONSULTANT, THAT THEIR PRODUCT IS BEING USED AND APPLIED IN AN APPROPRIATE AND SATISFACTORY MANNER. A WRITTEN REPORT BY MANUFACTURER TO BE PROVIDED TO CONSULTANT PRIOR TO COMPLETION OF THE WORK.

F) <u>SURFACE PREPARATION</u>

- 1. ALL STEEL COMPONENTS TO BE SOLVENT CLEANED TO SSPC SP1 REQUIREMENTS.
- 2. ALL STEEL COMPONENTS TO BE WIRE BRUSHED AS REQUIRED, AND SAND BLASTED TO NEAR WHITE TO SATISFY SSPC - SP10 REQUIREMENTS.

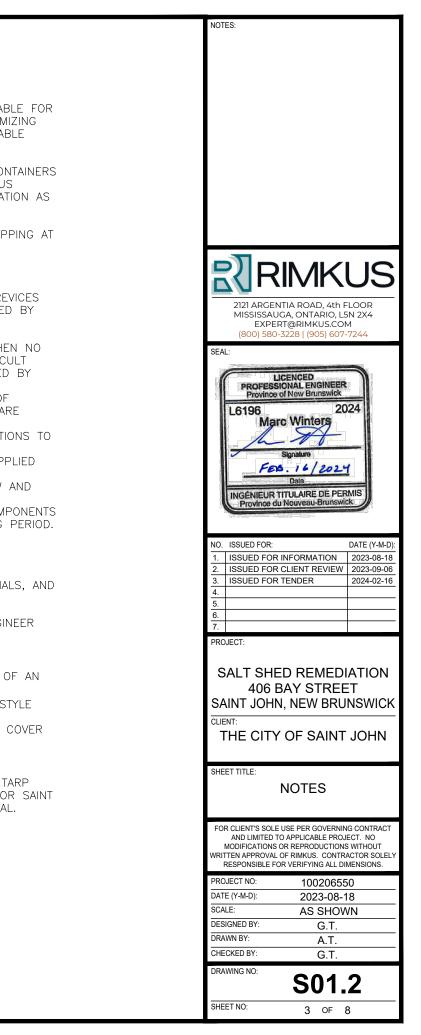
G) <u>APPLICATION</u>

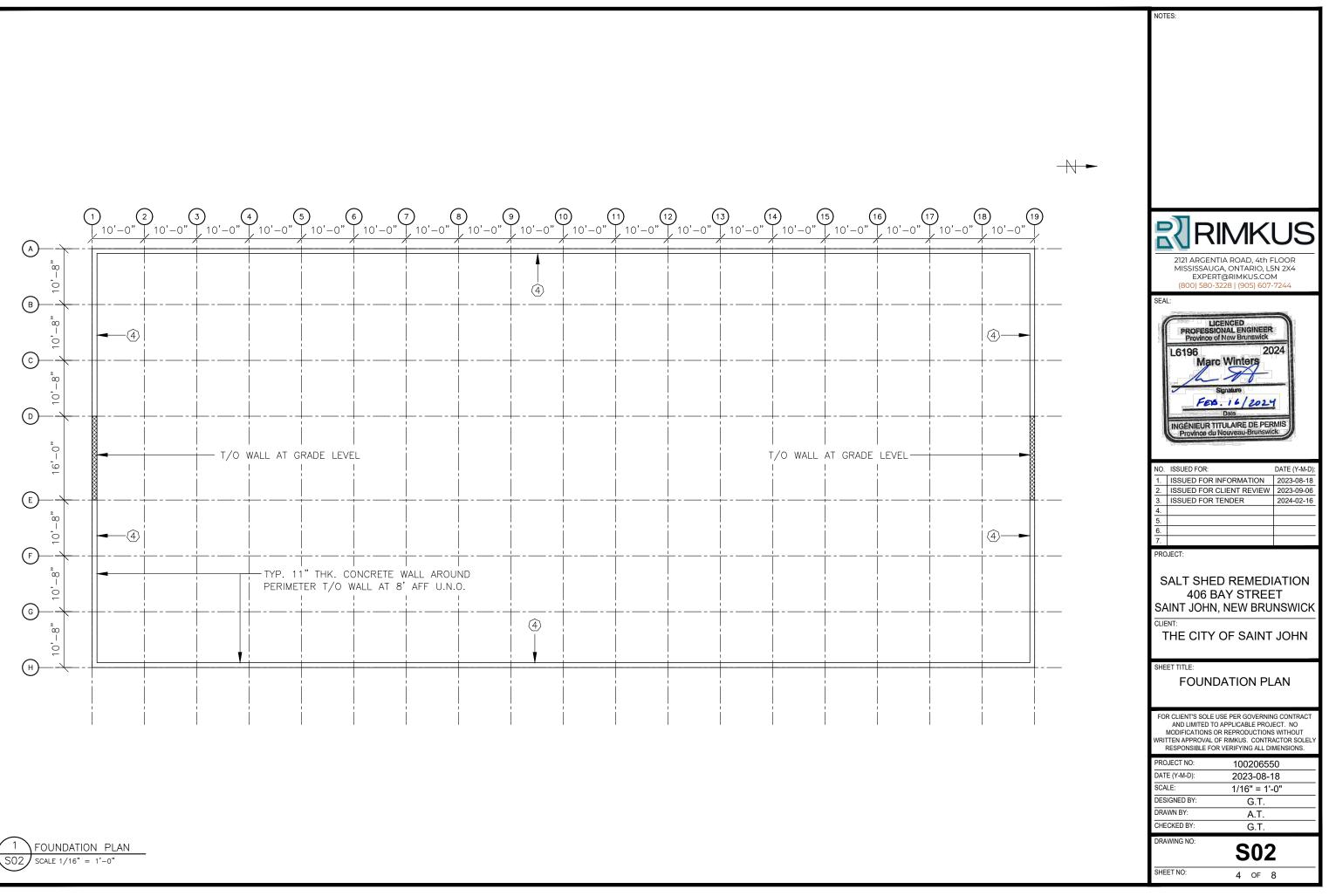
- 1. SPRAY APPLICATION:
- .1 PROVIDE AND MAINTAIN EQUIPMENT THAT IS SUITABLE FOR INTENDED PURPOSE, CAPABLE OF PROPERLY ATOMIZING PAINT TO BE APPLIED, AND EQUIPPED WITH SUITABLE PRESSURE REGULATORS AND GAUGES.
- .2 KEEP PAINT INGREDIENTS PROPERLY MIXED IN CONTAINERS DURING PAINT APPLICATION EITHER BY CONTINUOUS MECHANICAL AGITATION OR BY INTERMITTENT AGITATION AS FREQUENTLY AS NECESSARY.
- .3 APPLY PAINT IN A UNIFORM LAYER, WITH OVERLAPPING AT EDGES OF SPRAY PATTERN.
- .4 BRUSH OUT IMMEDIATELY RUNS AND SAGS.
- .5 USE BRUSHES TO WORK PAINT INTO CRACKS, CREVICES AND PLACES WHICH ARE NOT ADEQUATELY PAINTED BY SPRAY.
- 2. USE DIPPING, SHEEPSKINS, OR DAUBERS ONLY WHEN NO OTHER METHOD IS PRACTICAL IN PLACES OF DIFFICULT ACCESS AND ONLY WHEN SPECIFICALLY AUTHORIZED BY CONSULTANT.
- 3. APPLY COATS OF PAINT AS A CONTINUOUS FILM OF UNIFORM THICKNESS. REPAINT THIN SPOTS OR BARE AREAS BEFORE NEXT COAT OF PAINT IS APPLIED.
- 4. FIELD OBSERVATION OF EXTERIOR PAINTING OPERATIONS TO BE CARRIED OUT BY CONSULTANT.
- 5. ADVISE CONSULTANT WHEN EACH SURFACE AND APPLIED COATING IS READY FOR REVIEW.
- 6. PROVIDE ACCESS TO AREAS OF WORK FOR REVIEW AND OBSERVATION.
- 7. ADHESION TESTING OF SAMPLE COATED STEEL COMPONENTS MAY BE PERFORMED FOLLOWING REQUIRED CURING PERIOD.

H) <u>TARP COVERING</u>

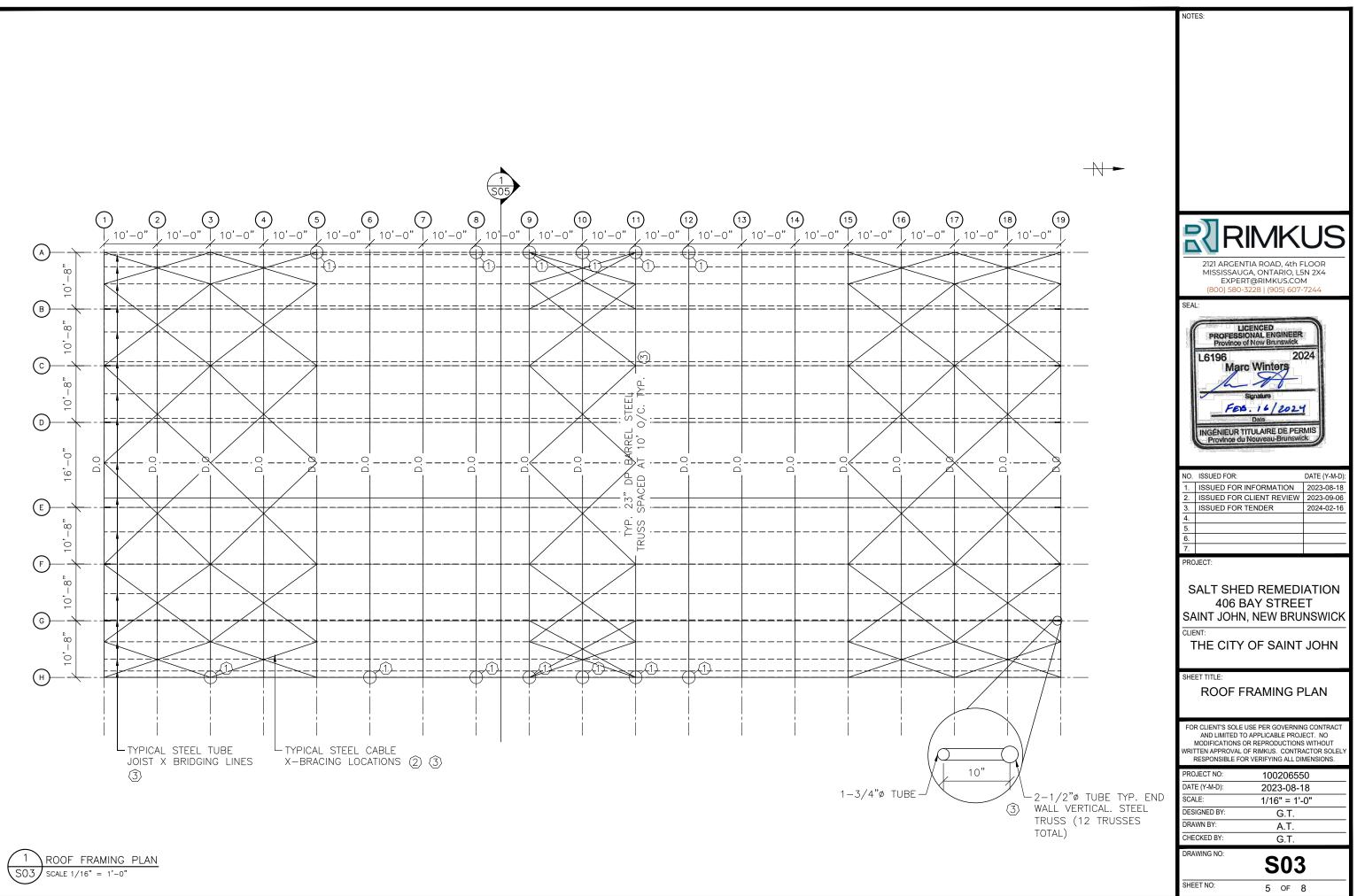
- 1. CONTRACTOR TO SUPPLY ALL EQUIPMENT, MATERIALS, AND ACCESSORIES TO INSTALL NEW TARP COVERING.
- 2. MANUFACTURER: TARP-RITE INC. OR RIMKUS ENGINEER APPROVED EQUIVALENT.
- 3. PRODUCT(S):
- 4. MAIN COVER TO COVER A 80'W X 90'L SECTION OF AN 80'X180' DOME ARCH SPAN BUILDING.
- 5. 80' BACK END WALL COVER FOR AN 80' DOME STYLE ARCH SPAN BUILDING.
- 6. ANY ADDITIONAL PARTS OR REPAIRS, FRONT END COVER AND FRONT 90' OF MAIN COVER.
- 7. COVER SPECS, 12.50Z/23MIL WHITE FR POLY.
- 8. SUBMIT ENGINEER SEALED SHOP DRAWINGS FOR TARP COVERING TO SATISFY CLIMATIC REQUIREMENTS FOR SAINT JOHN, NB, TO RIMKUS FOR REVIEW AND APPROVAL.

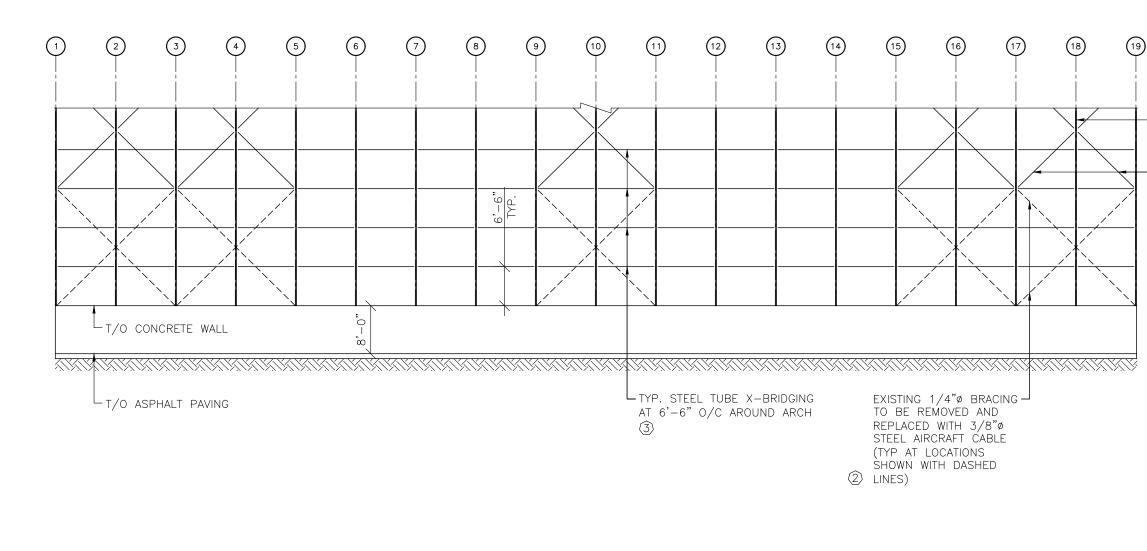
M:_PROJECTS2/25751-26000/25840_SALT SHED, 406 BAY STREET, SAINT JOHN, NB_CITY OF SAINT JOHNINB23-027SP/04_(



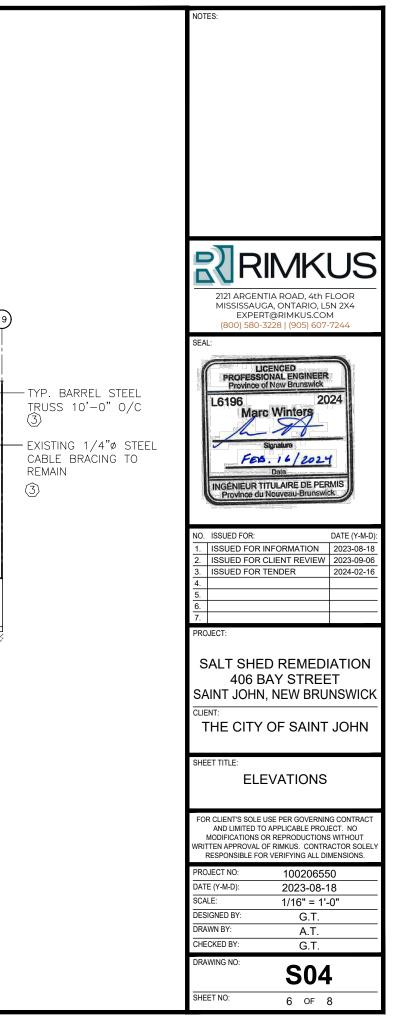


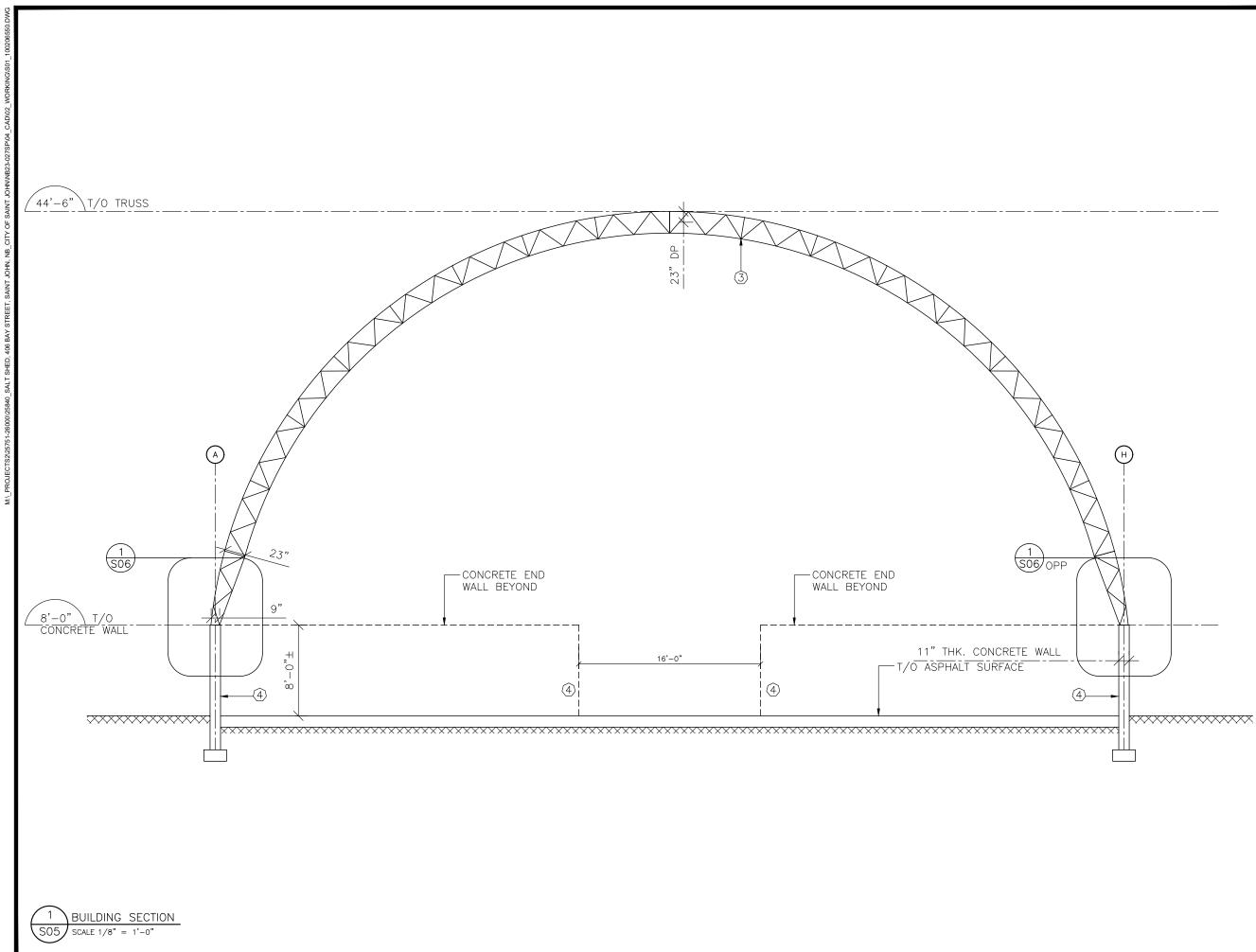


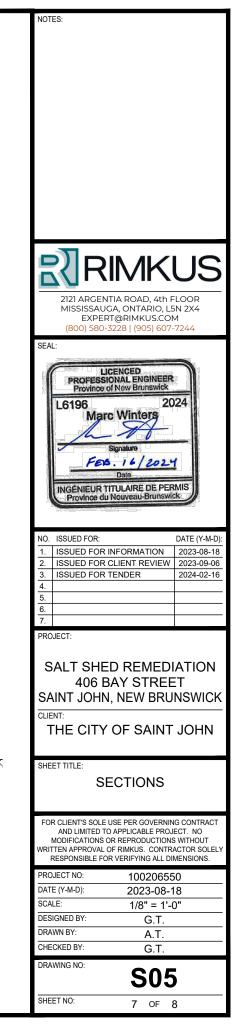


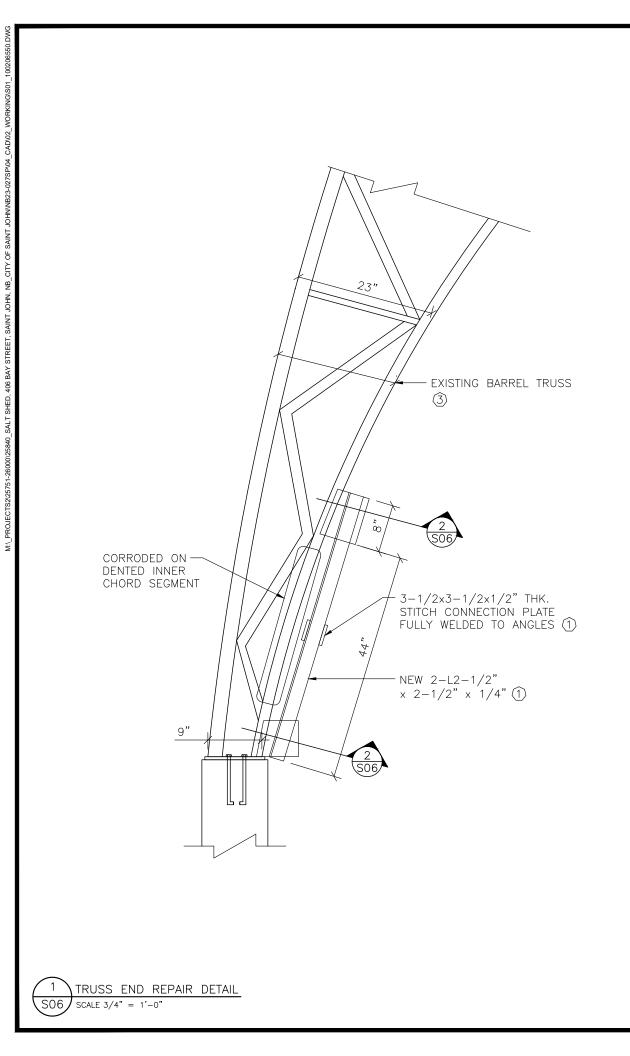


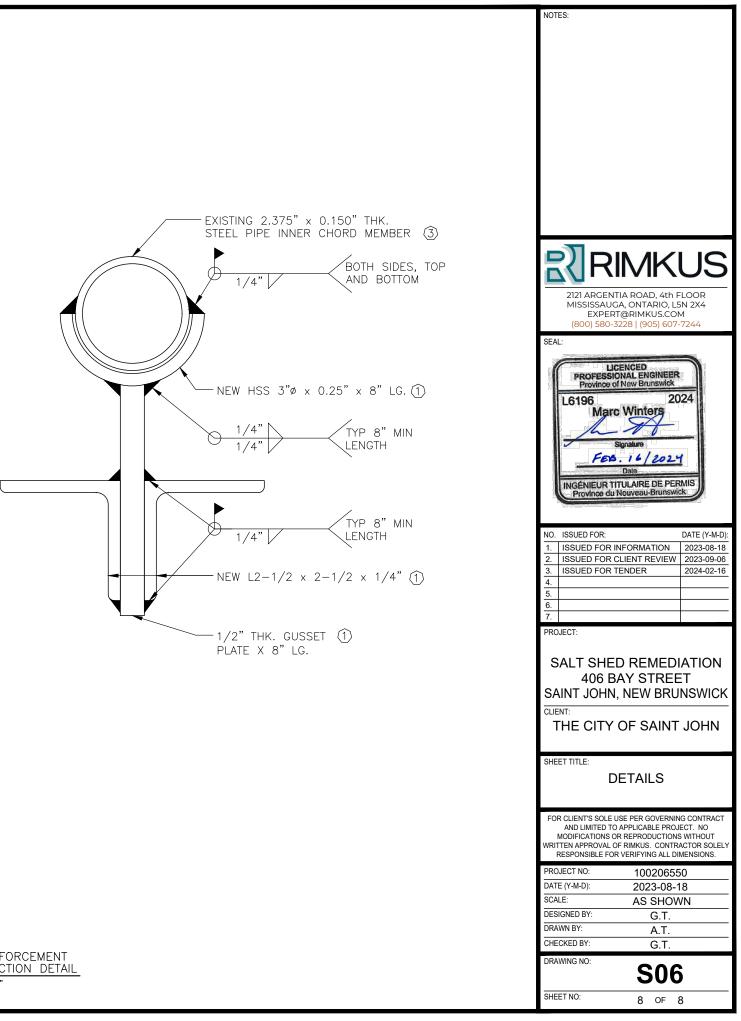
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SO4
\end{array}$ ELEVATION ALONG GRID (OPPOSITE) $\begin{array}{c}
SO4
\end{array}$ SCALE 1/16" = 1'-0"

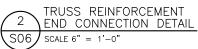












APPENDIX B – FORM OF TENDER

TENDER No. 2024-085102T SALT SHED REMEDIATION

FORM OF TENDER

2024-085102T SALT SHED REMEDIATION

The undersigned bidder has carefully examined the specifications and scope of work, and also visited the premises to become familiar with the conditions, character and extent of work.

The undersigned bidder has determined the quality and quantity of labour, materials and equipment required, and has the capability to comply with the terms and conditions herein described.

The undersigned bidder further agrees to provide all necessary equipment, tools, labour and materials which are necessary to complete the work in accordance with the contract and agrees to accept, therefore, in payment in full, in accordance with the terms, conditions, specifications, and drawings, the sum of:

\$

Total Cost (All Taxes Extra)

*Pricing is to be bid in Canadian Funds and FOB Saint John, NB prepaid. The tender pricing shall include all installation wages, fringe benefits, insurance, transportation, delivery, duty, working tools, equipment costs, and any other charges incurred in order to provide required materials and/or services.

COMPANY:	SIGNATURE:
E-MAIL:	NAME: (print)
Date:	Tel # Fax #
H.S.T. Reg.#	Remarks: