

City of Saint John

TENDER

Tender # 2023-085101T CUSTOMER SERVICE HARDENING

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 # 2023-085101T CUSTOMER SERVICE HARDENING”

will be received until 2:30:00 pm, Tuesday, July 4th, 2023 for the supply of all materials, labor and equipment necessary to complete the install of Customer Service Hardening project located in the lobby of City Hall, 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. **Registered bidders may attend remotely via Teams invitation.**

The lowest or any tender not necessarily accepted.

**Monic MacVicar, CCLP, CPPB
Supply Chain Management**

Issued: Wednesday, June 14th, 2023

T E N D E R
Tender # 2023-085101T
CUSTOMER SERVICE HARDENING

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 install of Customer Service Hardening project located in the lobby of City Hall, as per the specifications, drawings, terms and conditions outlined in this document.

A pre-bid site visit will be held on Wednesday, June 21st, 2023 at 1:00:00PM. We will meet in the lobby of City Hall located at 15 Market Square. 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:

- Atlantic Trade and Procurement Partnership (ATAPP)
- New Brunswick Procurement Act and Regulation 2014-93
- City of Saint John Policy for the Procurement of Goods, Services and Construction

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:

“2023-085101T
CUSTOMER SERVICE HARDENING”

will be received until 2:30:00 pm, Tuesday, July 4th, 2023 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: supplychainmanagement@saintjohn.ca

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.

Taxes

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, June 14 th , 2023
Pre-Bid Site Visit	Wednesday, June 21st, 2023 at 1:00PM ADT
Deadline for Enquiries	Monday, June 26 th , 2023 at 4:00:00 pm, ADT
Deadline for Issuing Addenda	Tuesday, June 27 th , 2023 at 4:00:00 pm, ADT
Submission Deadline	Tuesday, July 4 th , 2023 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 (www.saintjohn.ca) 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 supplychainmanagement@saintjohn.ca 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 (www.saintjohn.ca) 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

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 (accounts payable@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.

Holdback

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.

Substitutes

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.

Cancellation 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;
 - l) 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:
 - (i) 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. 2023-085101T
CUSTOMER SERVICE HARDENING**

CLIENT:

**SANT JOHN
 CITY HALL**

15 MARKET SQUARE
 GROUND LEVEL

CONSULTANTS:

ARCHITECT: TOSS SOLUTIONS INC.
 INTERIOR DESIGN: TOSS SOLUTIONS INC.
 MECHANICAL ENGINEERING:
 ELECTRICAL ENGINEERING:
 STRUCTURAL ENGINEERING:
 CIVIL ENGINEERING:
 ACUSTIC SPECIALIST:
 LANDSCAPE ARCHITECT:

DRAWING LIST:

INTERIOR DESIGN
 ID1.0 COUNTER MOUNT POSTS & GLAZING
 ID2.0 FLOOR MOUNT POSTS & GLAZING UPGRADES

SUBMISSIONS:

REV.	DATE	ISSUE

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**PRELIMINARY
 REVIEW**

PROJECT NAME:

**CUSTOMER SERVICE
 HARDENING**

15 MARKET SQUARE
 GROUND LEVEL

DRAWING TITLE:

**COUNTER MOUNT POSTS &
 GLAZING PANELS**

PROJECT NO.:
 22-72 (509)

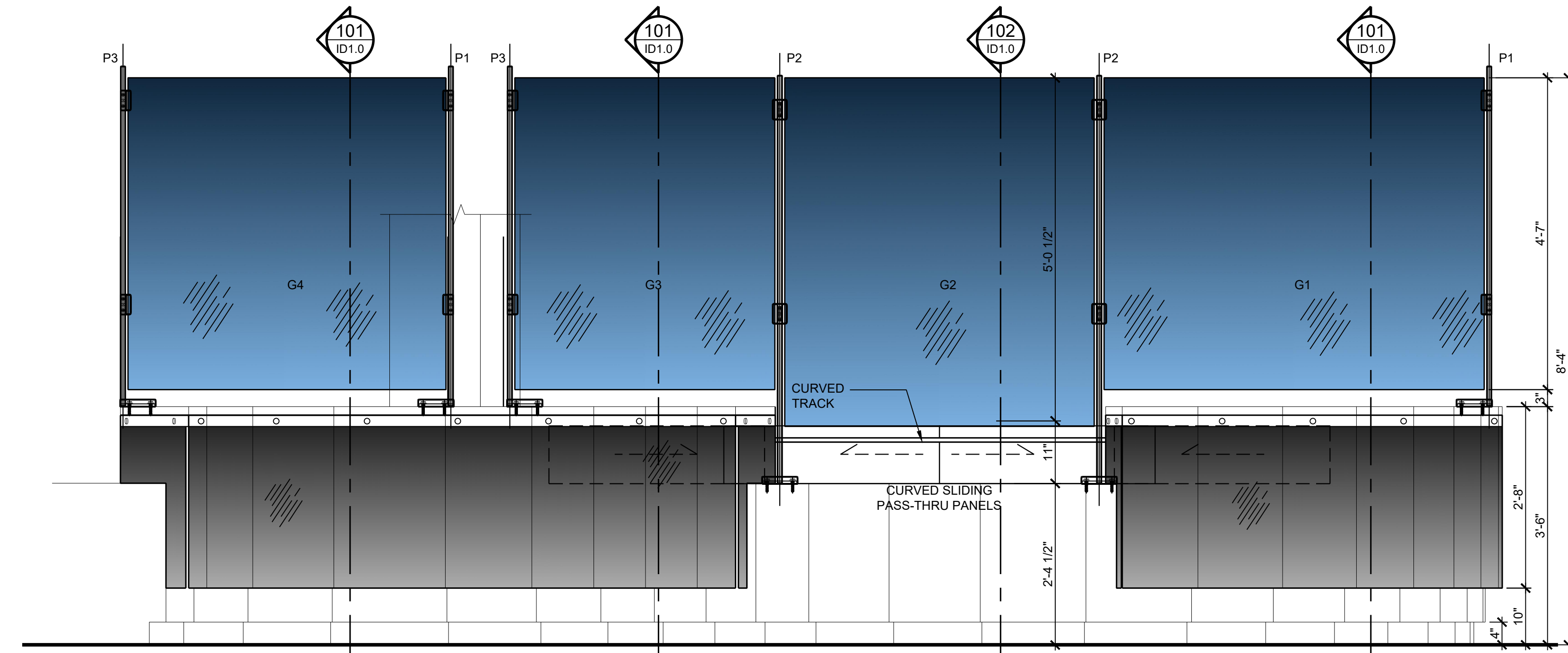
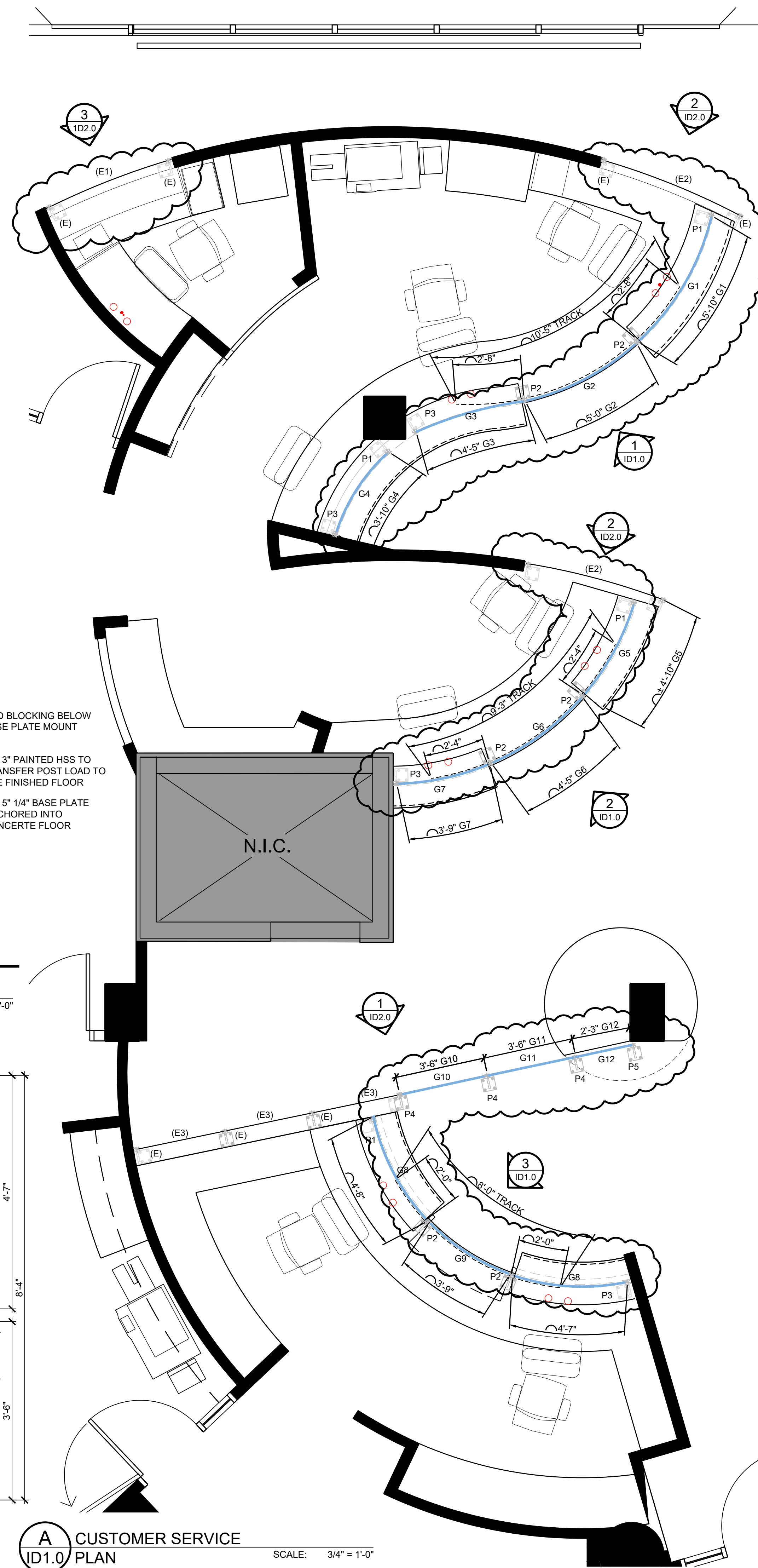
DATE:
 MARCH 2023

DWG. SCALE:
 1/8" = 1'-0"

PLOT SCALE:
 1 : 1

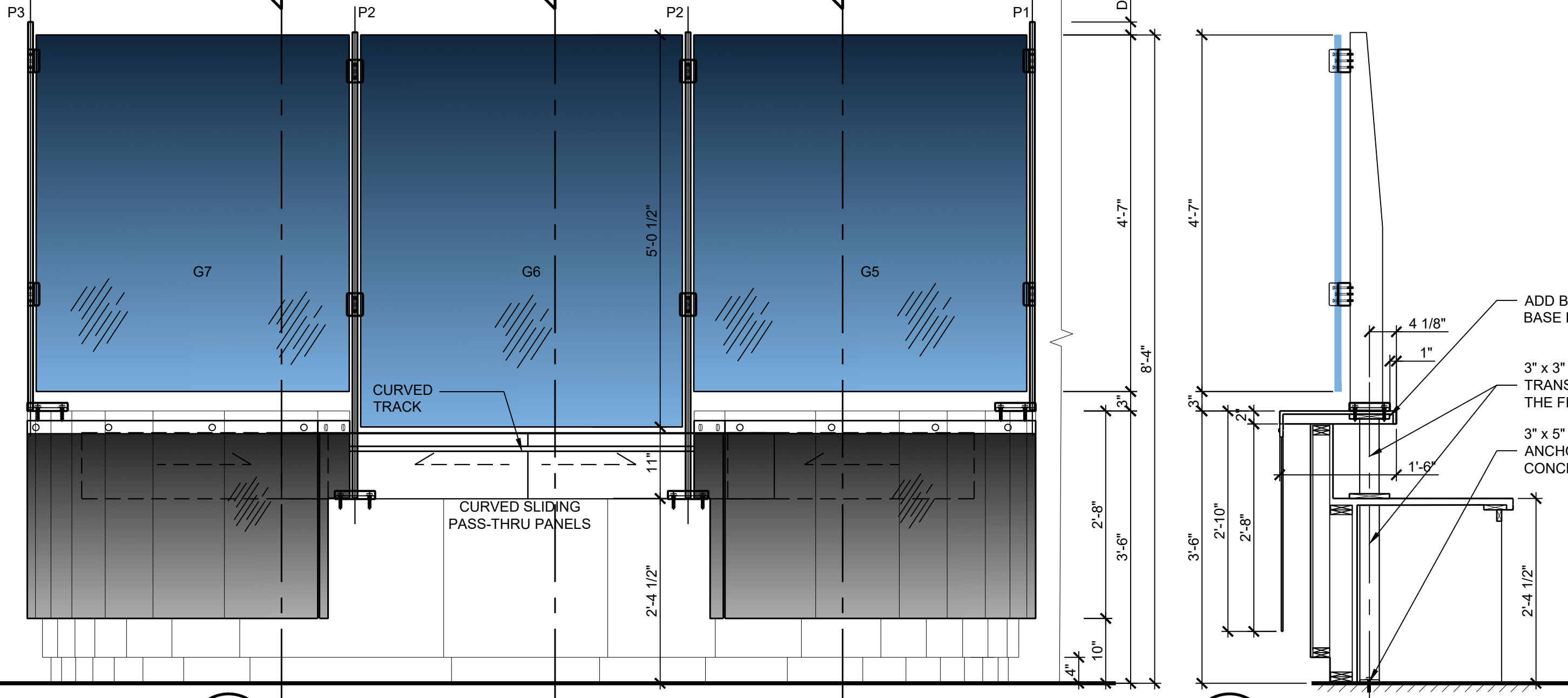
DWG. NO.:
 ID1.0

REV. NO.:
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**1 GLASS PANEL ELEVATION
 ID1.0 ROOM 141**

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

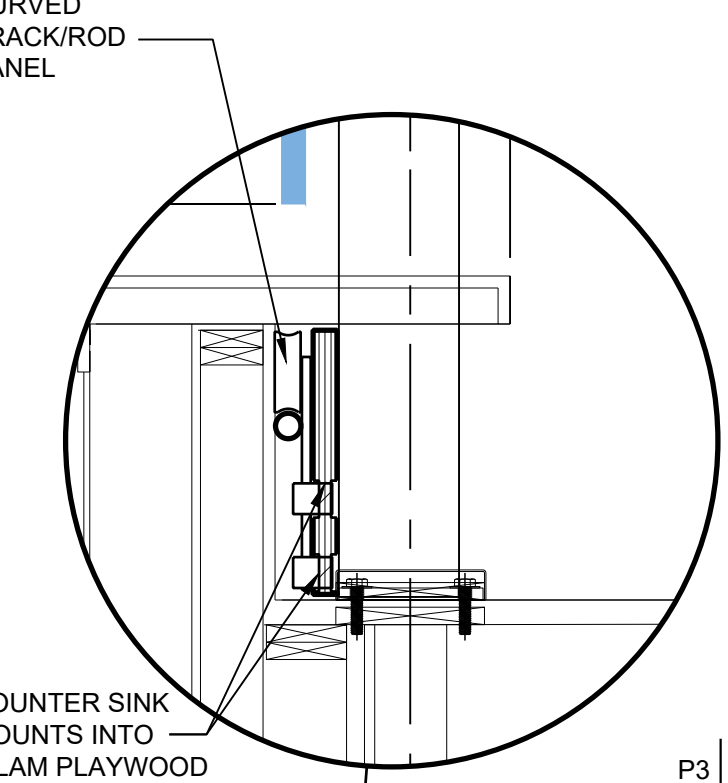
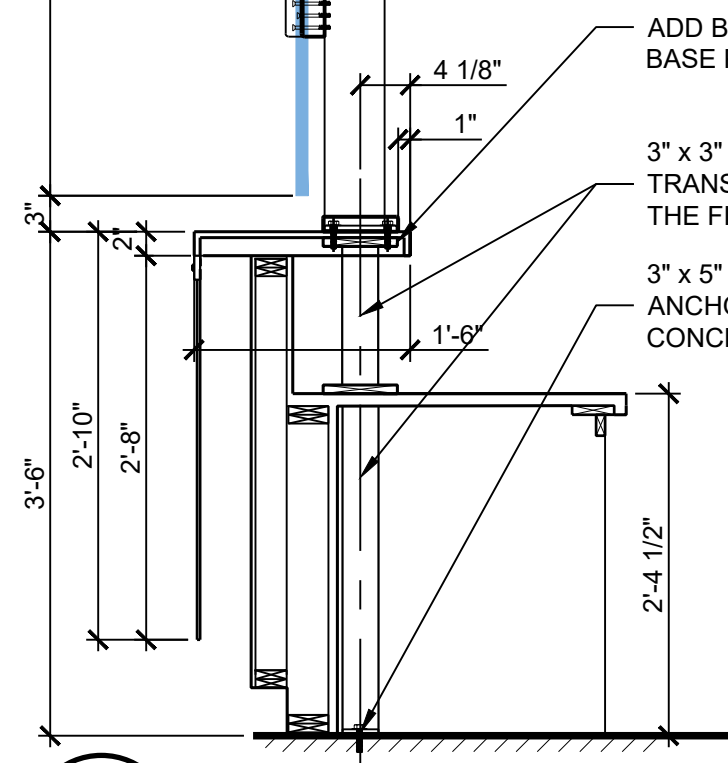


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 ID1.0 ROOM 141**

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

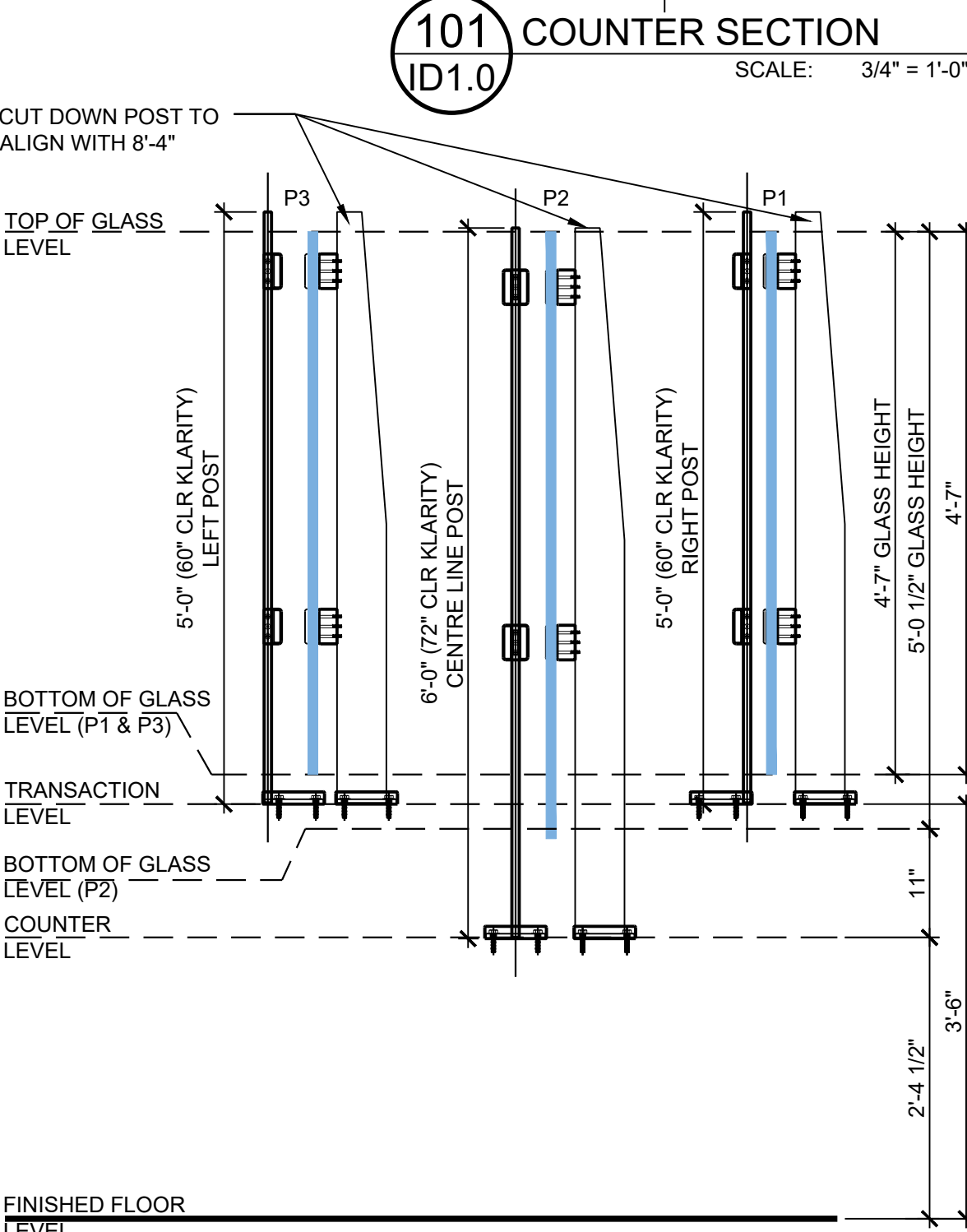
**101 COUNTER SECTION
 ID1.0**

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



**102 DRAWING PASS-THRU COUNTER
 ID1.0 SLIDING PANEL**

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



**103 POSTS & GLAZING HEIGHTS
 ID1.0**

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

**A CUSTOMER SERVICE
 ID1.0 PLAN**

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

CLIENT:

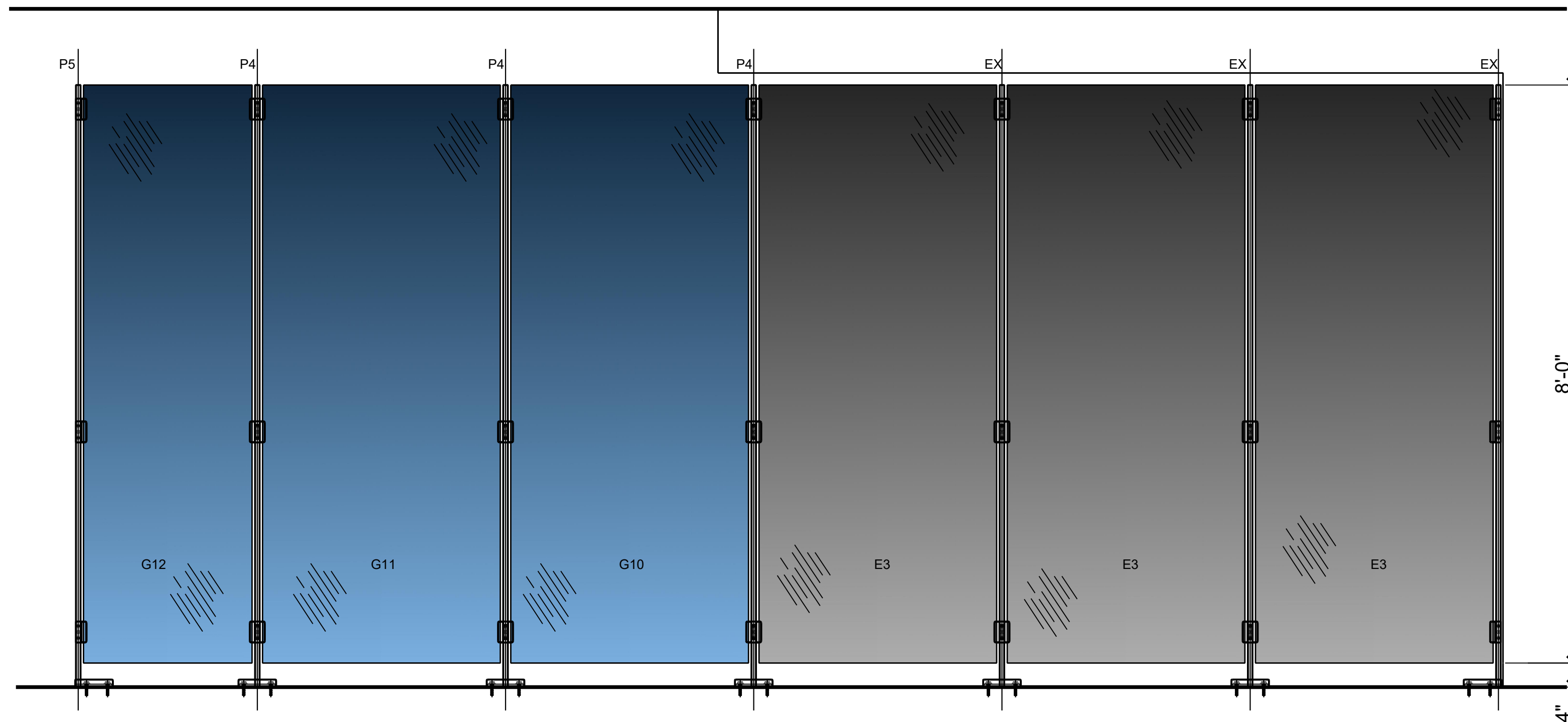
**SAINT JOHN
 CITY HALL**
 15 MARKET SQUARE
 GROUND LEVEL

CONSULTANTS:

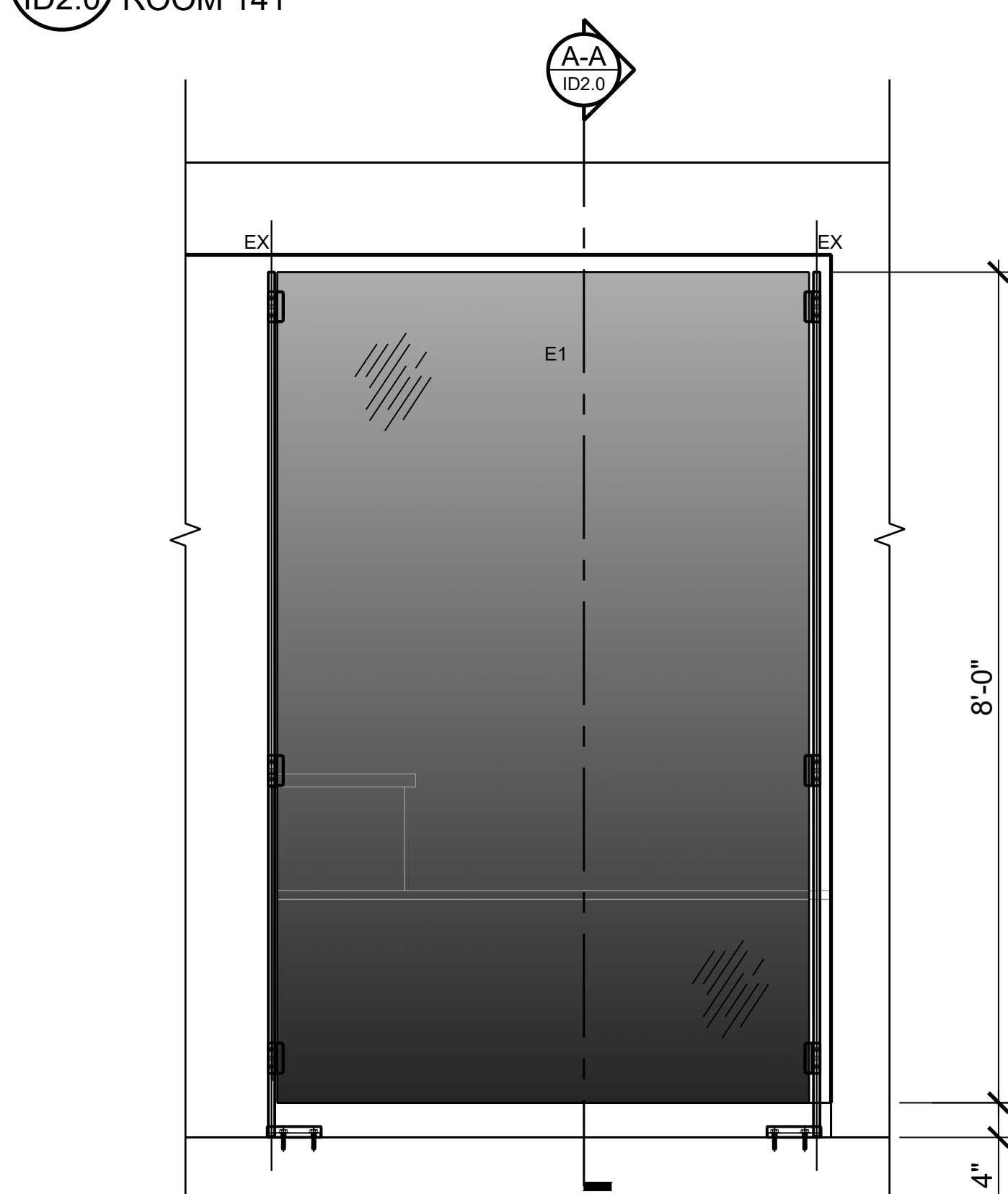
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 INTERIOR DESIGN: TOSS SOLUTIONS INC. -
 MECHANICAL ENGINEERING: -
 ELECTRICAL ENGINEERING: -
 STRUCTURAL ENGINEERING: -
 CIVIL ENGINEERING: -
 ACOUSTIC SPECIALIST: -
 LANDSCAPE ARCHITECT: -

DRAWING LIST:

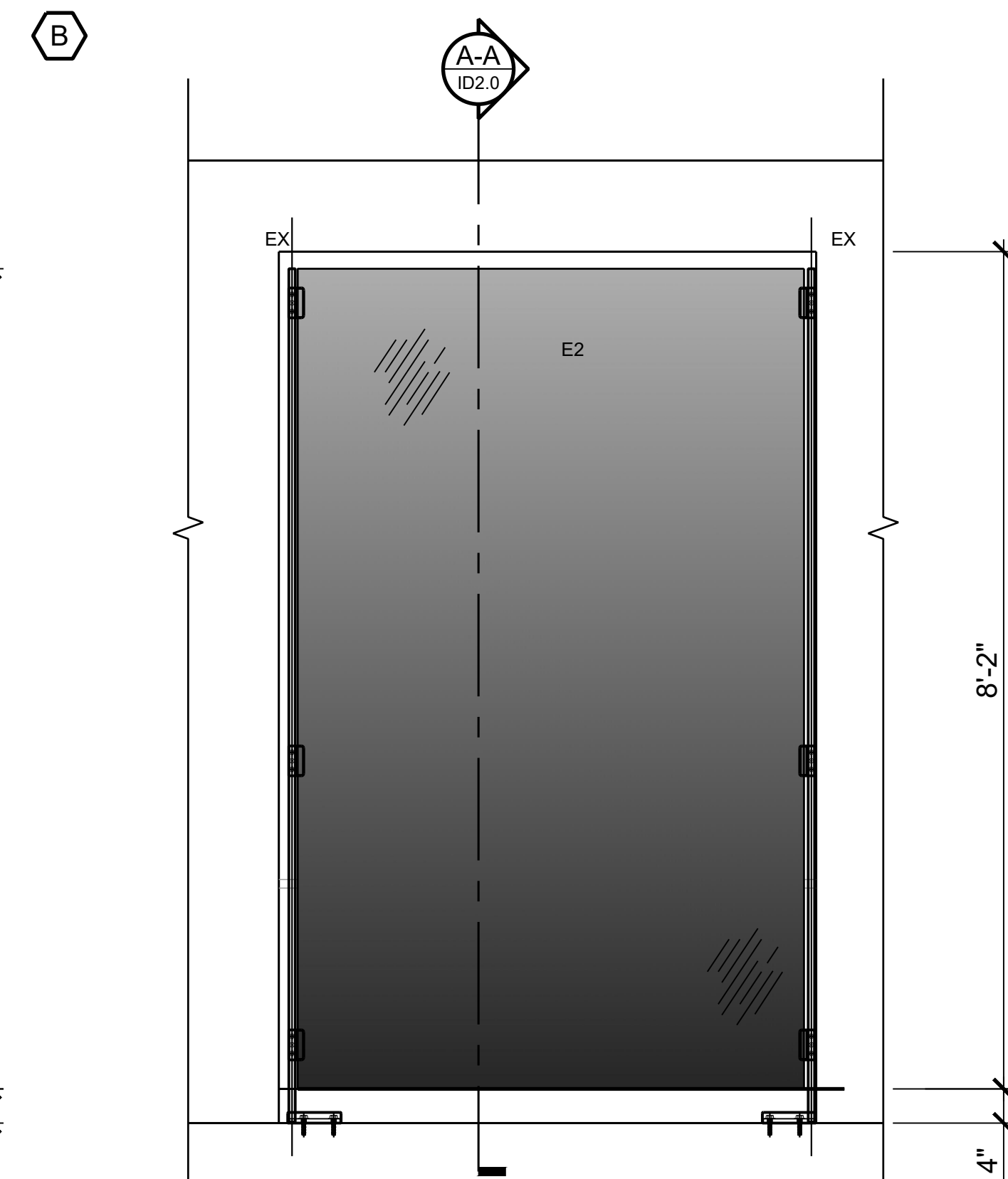
INTERIOR DESIGN
 ID1.0 COUNTER MOUNT POSTS & GLAZING
 ID2.0 FLOOR MOUNT POSTS & GLAZING UPGRADES



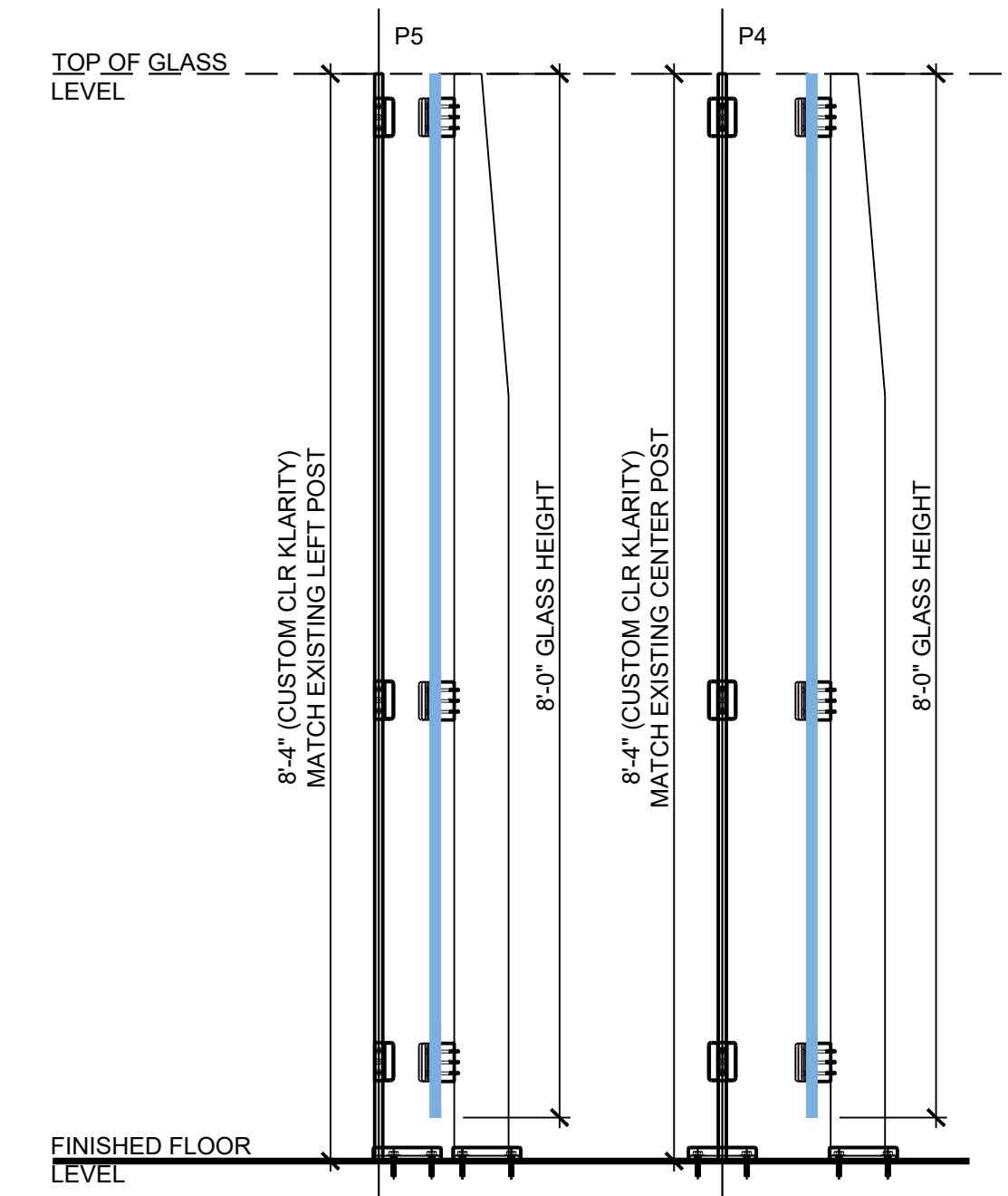
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 ID2.0 ROOM 141 SCALE: 3/4" = 1'-0"



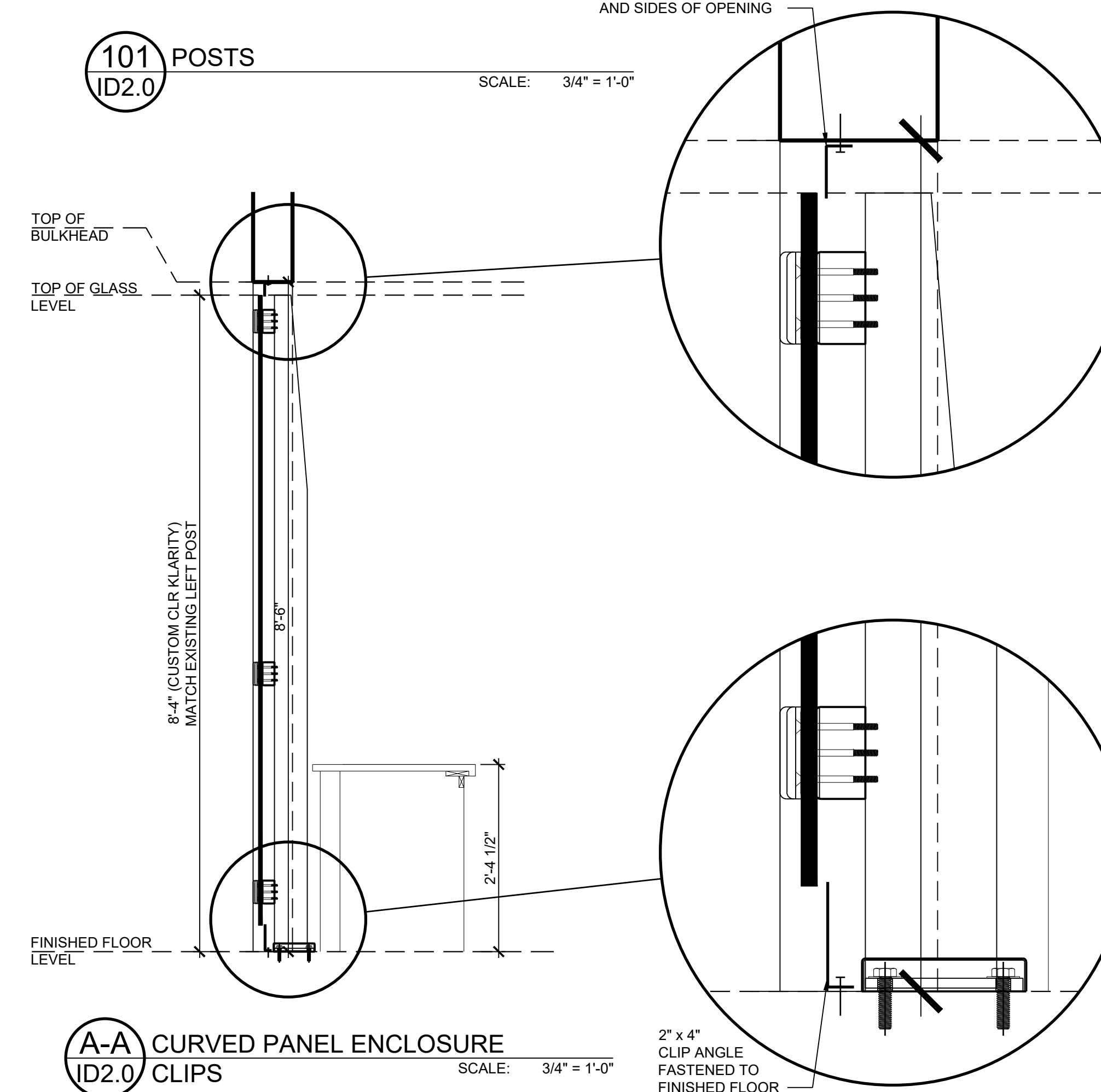
2 GLASS PANEL ELEVATION
 ID2.0 ROOM 141 SCALE: 3/4" = 1'-0"



3 GLASS PANEL ELEVATION
 ID2.0 ROOM 141 SCALE: 3/4" = 1'-0"



101 POSTS
 ID2.0 SCALE: 3/4" = 1'-0"



A-A CURVED PANEL ENCLOSURE
 ID2.0 CLIPS SCALE: 3/4" = 1'-0"

SUBMISSIONS:

REV.	DATE	ISSUE
0	MAY 31, 2023	ISSUED FOR TENDER
		Drawn By: TOSS Approved By: BB
		Drawn By: Approved By:
		Drawn By: Approved By:
		Drawn By: Approved By:
		Drawn By: Approved By:
		Drawn By: Approved By:

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PROJECT NAME:

**CUSTOMER SERVICE
 HARDENING**
 15 MARKET SQUARE
 GROUND LEVEL

DRAWING TITLE:

**FLOOR MOUNT POSTS &
 GLAZING UPGRADES**

PROJECT NO: 22-72 (509) **DATE:** MARCH 2023

DWG. SCALE: 1/8" = 1'-0" **PLOT SCALE:** 1:1

DWG. NO: ID2.0 **REV. NO:** 0

Part 1 General

1.1 GENERAL REQUIREMENTS

- .1 Conform to requirements of Division 1.

1.2 QUALITY ASSURANCE

- .1 Do steel welding work in accordance with CSA W59-18 unless specified otherwise, by qualified welders certified under CSA W47.1-09 (R2014).

1.3 DESIGN REQUIREMENTS

- .1 Where required by authorities having jurisdiction, have work of this Section designed by a professional engineer licensed to design structures and registered in the Province of the Work.
- .2 Design metal stair, railings, balustrade and landing construction and connections to requirements of the building code and other authorities having jurisdiction. Maximum deflection of L/360 of clear span.

1.4 SUBMITTALS

- .1 Shop drawings: Submit the shop drawings in accordance with Section Division 1 bearing stamp or seal and signature of the Professional Engineer responsible for the design of the work of this Section. Indicate the following:
 - .2 materials, core thicknesses
 - .3 connections, joints, supports, reinforcement details
 - .4 system arrangement and component sizes
 - .5 method of assembly and anchorage,
 - .6 locations of exposed fasteners,
 - .7 finishes and hardware
 - .8 accessories

Part 2 Products

2.1 MATERIALS

- .1 Steel sections and plates: CAN/CSA-G40.21-2013 (R2018), Grade 300W.
- .2 Steel pipe: ASTM A53/A53M-18, schedule 40.
- .3 Welding materials: CSA W59-2018.
- .4 Bolts and anchor bolts: [ASTM A307-14e1](#).
- .5 Galvanizing: Hot dip galvanize, after fabrication, all steel used in exterior construction to CSA G164.
- .6 Stainless steel tubing: Type 304, with AISI No 4 finish (for interior use only).
- .7 Shop coat primer: CAN/CGSB-1.40-M.

- .8 Zinc primer: Zinc rich, ready mix to CGSB 1-GP-181M.
- .9 Self-levelling sealant: THC 900 by Tremco or approved equal.
- .10 Grout: Non-shrink, non-metallic, flowable, 24h, 2100 psi, pull-out strength 1150 psi.

2.2 FABRICATION - GENERAL

- .1 Refer to drawings for items and details of work of this Section.
- .2 Fabricate work square, true, straight and accurate to required size, with joints closely fitted and properly secured. Where possible, fit and shop assemble work, ready for erection.
- .3 Weld connections where possible, otherwise bolt connections. Countersink exposed fastenings, cut off bolts flush with nuts. Make exposed connections of same material, colour and finish as base material on which they occur.
- .4 Accurately form connections with exposed faces flush; mitres and joints tight.
- .5 Continuous weld joints for the full length of each joint. Grind or file exposed welds and steel sections smooth.
- .6 Apply one shop coat of primer to metal items, with exception of galvanized or concrete encased items.
- .7 Use primer unadulterated, as prepared by manufacturer. Paint on dry surfaces, free from rust, scale, grease. Do not paint when temperature is lower than 7 degrees C.
- .8 Clean surfaces to be field welded; do not paint.
- .9 Provide galvanized finish for exterior work, prime paint for interior work.

2.3 MISCELLANEOUS STEEL SECTIONS

- .1 Provide all steel items not indicated to be supplied under other Sections.
- .2 Where sections are required to be built into masonry or concrete supply such members to the respective Sections.

2.4 ANCHOR BOLTS AND OTHER MEANS OF ANCHORAGE

- .1 Provide all anchor bolts and expansion bolts or other means of anchorage required for building into floors, walls and ceilings, where it is necessary to secure metal and wood to concrete, masonry or steel work. Supply anchor bolts, nuts and similar hardware to the respective Sections for fastening.

2.5 CASEWORK CLIP ANGLES AND HSS POSTS

- .1 Construct clip angles of 3" x 3" X 1/4" angles solid steel in 2" sections to be welded to HSS where applicable and fastened to plywood.
- .2 Construct casework gable support angles of 2" x 2" X 1/4" angles solid steel to various legnts (see drawings) to support overhang of counters and assemblies.
- .3 HSS 3" x 3" tubing complete with base plate at post locations

Part 3 Execution

3.1 ERECTION

- .1 Erect metalwork square, plumb, straight, and true, accurately fitted, with tight joints and intersections.
- .2 Provide suitable means of anchorage such as dowels, anchor clips, bar anchors, expansion bolts and shields, and toggles.
- .3 Make field connections with high tensile bolts to CAN/CSA-S16-14 (R2019), or weld.
- .4 Hand items over for casting into concrete or building into masonry to appropriate trades together with setting templates.
- .5 Touch-up rivets, field welds, bolts and burnt or scratched surfaces after completion of erection with primer.
- .6 Touch-up galvanized surfaces with zinc rich primer where burned by field welding.
- .7 Unless otherwise indicated, grout set work in concrete with non-shrink grout. Trowel surface smooth and flush with adjacent surfaces.

END OF SECTION

Part 1 General

1.1 RELATED WORK

- .1 Section 05 50 00 – Metal Fabrications

1.2 REFERENCE STANDARDS

- .1 American National Standards Institute (ANSI):
 - .1 ANSI A208.2-2016, Medium Density Fiberboard for Interior Use.
- .2 Architectural Woodwork Manufacturers Association of Canada (AWMAC):
 - .1 AWMAC Quality Standards for Architectural Woodwork, 2003.
- .3 Canadian Standards Association (CSA):
 - .1 CAN3-A172-M79, High Pressure Paper Base, Decorative Laminates.
 - .2 CSA B35.4-1972, Wood Screws.
 - .3 CSA-B111-1974(R2003), Wire Nails, Spikes and Staples.
 - .4 CSA-O121-17, Douglas Fir Plywood.
 - .5 CAN/CSA-O141-05(R2014), Softwood Lumber.
- .4 Canadian General Standards Board (CGSB):
 - .1 CAN/CGSB-19.22-M89, Mildew-Resistant Sealing Compound for Tubs and Tiles.
 - .2 CAN/CGSB-71.20-M88, Adhesive, Contact, Brushable.

1.3 DEFINITIONS

- .1 Plywood: Layers or plies of wood veneer permanently bonded together in panels with the grain of each layer at 90° to adjacent layers. The outer plies are called face and back. The inner plies are called the "core". The term "plywood", as used in this specification, does not include assemblies manufactured with particleboard, hardboard or fibreboard cores.

1.4 SUBMITTALS

- .1 Shop Drawings:
 - .1 Shop drawings to include complete dimensioned drawings of each millwork assembly, including locations of on-site joints in countertops and details of construction.

- .2 Indicate all materials, thicknesses, finishes and hardware.
- .3 Indicate locations of all service outlets in millwork, typical and special installation conditions, and all connections, attachments and anchorage.
- .2 Maintenance Data: Provide maintenance data for plastic laminate work for incorporation into the operation and maintenance manual specified in Section 01770.

1.5 PRODUCT STORAGE AND HANDLING

- .1 Protect millwork against dampness during and after delivery.
- .2 Do not store or install materials in areas where relative humidity is less than 25% or greater than 60% at 22oC.
- .3 Store millwork in ventilated areas, protected from extreme changes of temperature or humidity.
- .4 Cover finished laminated plastic surfaces heavy kraft paper or put in cartons during shipment. Protect installed laminated surfaces by approved means. Do not remove protection until immediately before final inspection.

Part 2 Products

2.1 PANEL MATERIALS

- 1. Laminated Plastic: To CAN3-A172, as follows:
 - .1 General purpose grade GPR, 1.15 mm (0.045") thick, colours to match existing white plastic laminate.
 - .2 Edging to match white laminate.
- .2 Curved Plywood
 - .1 (4) sheets of 1/4" Douglas fir plywood for a combined curved laminated plywood panel of 1" thick to match radius of existing counter.

2.2 TRACK & HARDWARE

- .1 KN Crowder – Crowder Curve rod to the specialty bar length specified on drawings for double panel sliding doors.
- .2 Each sliding panel to have (2) stainless steel CRT-103-12-SS roller hangers. Panel through mounts on plywood wood instead of glass panels.
- .3 Surface mounted sliding door drop latch CRL Screen Latch A105 Chrome Finish.

2.3 LAMINATED PLASTIC APPLICATION

- .1 Obtain governing dimensions before fabricating items which are to accommodate or abut appliances, equipment and other materials.
- .2 Ensure adjacent parts of continuous laminate work match in colour and pattern.

- .3 Veneer laminated plastic to core material in accordance with adhesive manufacturer's instructions. Ensure core and laminate profiles coincide to provide continuous support and bond over entire surface. Use continuous lengths up to 3 m (10'-0"). Keep joints 600 mm (2' 0") from lavatory or sink cut-outs.
- .4 Where not otherwise indicated, use straight self edging laminate strip for flatwork to cover exposed edge of core material. Chamfer exposed edges uniformly at approximately 20 degrees. Do not mitre laminate edges.
- .5 Apply laminate backing sheet to reverse side of core of plastic laminate work.
- .6 Apply laminated plastic liner sheet to interior of cabinetry and where indicated.

Part 3 Execution

3.1 EXAMINATION

- .1 Examine areas and conditions under which work is to be performed and notify the Engineer in writing of conditions detrimental to the proper and timely completion of the work.
- .2 Do not proceed with the work until unsatisfactory conditions have been corrected to the satisfaction of the installer.
- .3 Take field measurements to verify or supplement dimensions.
- .4 Commencement of the installation will be construed as acceptance of the site conditions and, thereafter, the Contractor shall be fully responsible for satisfactory work as specified herein.

3.2 INSTALLATION OF CABINETWORK

- .1 See architectural drawings for cabinet work dimensions sizes and room location.
- .2 Fasten and anchor cabinetwork securely. Provide heavy duty fixture attachments for wall mounted cabinets.
- .3 Scribe and cut as required to fit abutting walls and to fit properly into recesses and to accommodate piping, cabling, columns, fixtures, outlets or other projecting, intersecting or penetrating objects.
- .4 Make allowances around perimeter where fixed objects pass through or project into laminated plastic work to permit normal movement without restriction.
- .5 Provide cut-outs for inserts, grilles, appliances, outlet boxes and other penetrations. Round internal corners, chamfer edges and seal exposed core.
- .6 At junction of laminated plastic counter and adjacent wall finish, apply small bead of sealant.
- .7 Apply bituminous coating over wood framing members in contact with masonry or cementitious construction.
- .8 Fit hardware accurately and securely in accordance with manufacturer's directions. adjust operating parts for smooth, correct function.

3.3 PROTECTION

- .1 Protect installed work from damage.

3.4 CLEANING

- .1 Upon completion of the installation, remove from the premises all surplus material, dirt and debris caused by the work of this Section and leave the installation clean and ready for the intended use by the Owner.

END OF SECTION

Part 1 General

1.1 RELATED WORK

- .1 Section 05 50 00 – Metal Fabrications
- .2 Section 06 40 23 - Architectural Woodwork

1.2 REFERENCE STANDARDS

- .1 American National Standards Institute (ANSI)
 - .1 ANSI/ASTM E 330-02, Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference
- .2 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-12.1-2017, Tempered or Laminated Safety Glass.
 - .2 CAN/CGSB-12.3-M91 (R2017), Flat, Clear Float Glass.
 - .3 CAN/CGSB-12.8-2017, Insulating Glass Units.

1.3 PERFORMANCE REQUIREMENTS

- .1 Provide continuity of building enclosure vapour and air barrier using glass and glazing materials as follow:
 - .1 Utilize inner light of multiple light sealed units for continuity of air and vapour seal.
- .2 Size glass to withstand wind loads, dead loads and positive and negative live loads as measured in accordance with ANSI/ASTM E330-02.
- .3 Limit glass deflection to 1/200 with full recovery of glazing materials.

1.4 QUALITY ASSURANCE

- .1 Perform work in accordance with IGMAC for glazing installation methods.

1.5 MOCK-UP

- .1 Construct mock-up to including glazing & film of one section for owner approval.
- .2 Construct mock-up where directed by owner.
- .3 Allow 24 hours for inspection of mock-up by designer or owner before proceeding with work.
- .4 When accepted, mock-up will demonstrate minimum standard for this work. Mock-up may remain as part of the finished work.

1.6 ENVIRONMENTAL REQUIREMENTS

- .1 Install glazing when ambient temperature is 50°C minimum. Maintain ventilated environment for 24 hours after application.
- .2 Maintain minimum ambient temperature before, during and 24 hours after installation of glazing compounds.

1.7 GUARANTEE

- .1 Provide written guarantee for sealed units for a period of 5 years from the date of the Certificate of Substantial Performance of the Work.Products.

Part 2 Products

2.1 GLASS

- .1 Tempered glass: to CAN/CGSB-12.1-2017
- .2 Glazing Panels:
 - .1 E1 & E2- Existing 1/2" Clear Tempered Glazing (curved)
 - .1 Remove the existing glazing panel and install Madeco SafetySheild 800 security film on the inner side of the curved glazing surface.
 - .2 Install aluminum clip angles to sides, bottom and top
 - .2 E33 - Existing 1/2" Clear Tempered Glazing (curved)
 - .1 Remove the existing glazing panel and install Madeco SafetySheild 800 security film on the inner side of the curved glazing surface.
 - .3 G1 – G8 – New 3/8" Clear Tempered Glazing (Curved)
 - .1 Install Madeco SafetySheild 800 security film on the inner side of the curved glazing surface.
 - .2 Install graphic film type SXJ-0547 on 50% of outside curved glazing surface. Solid top 25% and Feather Gradation remaining 25%.
 - .4 G9 – G12 – New 1/2" Clear Tempered Glazing
 - .1 Install graphic film type SXJ-0547 on 50% of outside curved glazing surface. Solid top 25% and Feather Gradation remaining 25%.

2.2 POSTS

- .1 Posts to match existing CRL Klarity System (no substitutes accepted)
- .2 Anodized Aluminum Posts:
 - .1 P1 – CRL Klarity Right Post (60" Standard Height)
 - .2 P2 - CRL Klarity Centre Post (72" Standard Height)
 - .3 P3 – CRL Klarity Left Post (60" Standard Height)
 - .4 P4 – CRL Klarity Left Post (8'-4" Custom Height to match existing)

1.10 ACCESSORIES

- .1 Aluminum Clip Angles:
 - .1 1/8" Clear anodized full-length extrusions.
 - .2 Semi-countersunk flat head stainless finished stainless fastenings (anchored into substrate).
 - .3 Mitre where intersecting clip angles meet at a corners.
- .2 Glazing tape: preformed butyl tape, 10-15 durometer hardness, paper release, white colour, thickness and width as recommended by steel door and screen frame manufacturer.
- .3 Setting blocks: Neoprene, Shore "A" durometer hardness 70-80, 100 mm long x 6 mm high x width to suit glass thickness.
- .4 Spacer shims: Neoprene, Shore "A" durometer hardness 70-80, 75 mm long x 2.4 mm thick x 9 mm high.
- .5 Primers, sealers and cleaners: to glass manufacturer's standard.
- .6 Glazing splines: resilient polyvinyl chloride, extruded shape to suit glazing channel retaining slot, colour as selected.
- .7 Lock-strip gaskets: to ASTM C542 - 05(2017).
- .8 Primer-Sealers and Cleaners: to manufacturer's standard.

Part 3 Execution

3.1 EXAMINATION

- .1 Examine areas and conditions under which work is to be performed and notify the Engineer in writing of conditions detrimental to the proper and timely completion of the work.
- .2 Do not proceed with the work until unsatisfactory conditions have been corrected to the satisfaction of the Engineer and the installer.
- .3 Take field measurements to verify or supplement dimensions.
- .4 Commencement of the installation will be construed as acceptance of the site conditions and, thereafter, the Contractor shall be fully responsible for satisfactory work as specified herein.

3.2 WORKMANSHIP

- .1 Remove protective coatings and clean contact surfaces with solvent and wipe dry.
- .2 Apply primer-sealer to contact surfaces.
- .3 Place setting blocks as per manufacturer's instructions.
- .4 Install glass, rest on setting blocks, ensure full contact and adhesion at perimeter.
- .5 Install removable stops, without displacing tape or sealant.
- .6 Provide edge clearance of 3 mm minimum.

- .7 Insert spacer shims to center glass in space. Place shims at 600 mm oc and keep 6 mm below sight line.
- .8 Do not cut or abrade tempered, heat treated, or coated glass.

3.3 CLEANING

- .1 Remove glazing materials from finish surfaces.
- .2 Remove labels after work is complete.
- .3 Clean glass and mirrors.

3.4 PROTECTION OF FINISHED WORK

- .1 After installation, mark light with an "X" by using removable plastic tape or paste.

3.5 FINISHING

- .1 Immediately remove sealant and compound droppings from finished surfaces. Remove labels after work is completed.
- .2 Make good damage to adjacently finished surfaces.

END OF SECTION

APPENDIX B – FORM OF TENDER

**TENDER No. 2023-085101T
CUSTOMER SERVICE HARDENING**

FORM OF TENDER

**2023-085101T
CUSTOMER SERVICE HARDENING**

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:

APPENDIX C – FORM OF AGREEMENT

**TENDER No. 2023-085101T
CUSTOMER SERVICE HARDENING**

AGREEMENT BETWEEN OWNER AND CONTRACTOR

THIS AGREEMENT made in triplicate between **THE CITY OF SAINT JOHN** herein (and in the Specifications) called the "Owner" or the "City"

AND

_____ herein (and in the Specifications) called the "Contractor".

WITNESSETH: That the Owner and the Contractor agree as follows:

- (a) The Contractor shall provide all the materials and perform all the work shown on the drawings and described in the Contract Specifications titled:
Contract No: __2023-085101T_____
Title: CUSTOMER SERVICE HARDENING
- (b) The Contractor shall do and fulfill everything indicated by this Agreement; and
- (c) The Contractor shall Substantially Complete the Work no later than __NA_____ .

CONTRACT DOCUMENTS

General Specifications

General Specifications, City of Saint John, New Brunswick, with all applicable divisions, as updated and as listed in the Table of Contents of the Contract Specifications.

Contract Specifications

Contract specifications for

Contract No: __2023-085101T_____

Title: CUSTOMER SERVICE HARDENING

City of Saint John, New Brunswick,

Drawings

ID1.0	COUNTER MOUNT POSTS & GLAZING PANELS
ID2.0	FLOOR MOUNT POSTS & GLAZING UPGRADES

ADDENDA

The Contractor agrees that he has received addenda ___ to ___ inclusive, and that the tender price includes the provisions set out in the addenda.

CONTRACT PRICE

The Owner shall pay to the Contractor, in lawful money of Canada for the performance of the Contract, the amounts determined for each of the items of work completed at the unit prices as listed in the Schedule of Quantities and Unit Prices, plus applicable taxes, submitted with the tender, which is to be attached with this Agreement, for the total tender price of:

If the Engineer orders in writing the performance of any work not covered by the drawings or included in the specifications that cannot be classified as coming under any of the contract units and for which a unit price can be agreed upon, then such additional work shall be paid for as described under the General Administration of Contract, Division 6.

PAYMENT

The Owner shall pay on account of thereof upon the Engineer's Certificate, as invoiced by the Contractor and approved by the Engineer, in the manner described in the Specifications.

AGREEMENT DOCUMENTS

The General Administration of Contract, Division 6 and the aforesaid Specifications and Drawings are all to be read into and form part of this Agreement and the whole shall constitute the Contract between the parties and it shall inure to the benefit of and be binding upon them and their successors, executors, administrators, and subject to the General Administration of Contract, their assigns.

AFFIDAVIT OF CORPORATE EXECUTION

CANADA

PROVINCE OF NEW BRUNSWICK

CITY OF SAINT JOHN

I, _____, of the _____
in the County of _____, and Province of New Brunswick

MAKE OATH AND SAY:

- (1) THAT I am the _____ of _____, and _____ is the _____ of the said Company, as such I am/we are duly authorized officer(s) of the said Company to execute the foregoing instrument.
- (2) THAT the signature _____ subscribed to the within instrument is my signature and in my own proper handwriting and that the signature _____ so subscribed is his signature made thereto by him in my presence.
- (3) THAT the Seal affixed to the said instrument purporting to be the Corporate Seal of the said _____ is the Corporate Seal of the said Company and was affixed to the said instrument by me and by order of the Board of Directors of the Company.

SWORN TO BEFORE ME at the _____)
)
of _____)
)
in the Province of _____)
)
this ____ day of _____ A.D., _____.)
)
_____) _____)
COMMISSIONER OF OATHS) CONTRACTOR
)

Note: The blank spaces are to be filled in with the name or names of the signing officer(s).