

Aviation
 Maintenance Department
 4200 NW 22 Street, Bldg 3030
 Miami, FL 33159



MIAMI-DADE COUNTY, FLORIDA
 REQUEST FOR PRICE QUOTATION (RPQ)
 Contract No: MCC 7040 Plan - CICC 7040-0/07
 RPQ No: AA017C-2

This RPQ is issued under the terms and conditions of the MCC 7040 Plan .

Date Issued: 2/4/2021 Bid Date Due: 3/10/2021 Time Due: 02:00 PM

Bid shall be Submitted Via: Sealed Envelope to:

Name: James P. Ferreira Email: JFerreira@miami-airport.com

Address: MIA Bldg. 3030; 2nd Floor; 4331 NW 22 St. Miami, FL. 33122 Fax: 305-869-4782

RPQ Added: 1/14/2021 User Bidder Request: 1/28/2021 Bond Adm./OMB Approval: 2/1/2021 Bidders Added: 2/1/2021

Project Number: AA017C-2 Estimated Value: \$1,581,851.03 SBE-Con. Level: SBE-Con. Level 1
 (excluding contingencies and dedicated allowances)

Project Name: MIA Public Restroom Modernization South Terminal Group 2 Emergency: N

Project Location: MIA South Terminal ESP:

SITE #	LOCATION 1	DIST	ESTIMATE	T-S-R
#3000091	MIA INT	30	\$1,581,851.03	--

Department Contact: James P. Ferreira Phone No: (305) 876-7322 Fax No: 305-869-4782

Project Manager: Adrian Portal Phone No: 3058768315 Fax No:

Document Pickup: Contact: James P. Ferreira Phone: 305-876-7322 Date: 2/16/2021

Document Pickup: Location: After the Pre-bid meeting.

	Mandatory:	Date:	Time:	Location:
PreBid Meeting: <u>Y</u>	<u>Y</u>	<u>2/16/2021</u>	<u>10:00 AM</u>	<u>Conference Call (see details below)</u>
Site Meeting: <u>Y</u>	<u>Y</u>	<u>2/18/2021</u>	<u>10:00 AM</u>	<u>Meet at 3030 bldg (Conf. Room #1)</u>

Type of Contract: Multiple Trade Method of Award: Lowest Responsible Bidder

Performance/Payment Bond Required: Y Bid Bond Required: Y Insurance Required: Y

Addition Insurance Required: Y Addition Insurance Amount: \$5,000,000.00

Federally Funded: N GOB Funded: N Does the funding source allow UAP? Yes No

CIIP Funded: Funded or reimbursed by LAP Agreements with FDOT: N

AIPP: N \$0.00

Comm Dist: District 6 Davis Bacon: N

Prevailing Wage Rate Requirements: Building Construction SBD Certificate of Assurance Form Required Y

SBE-Con. Requirements: Y 100.00% Trade Set-a-side: N

SBE-S Requirements: N 0.00% SBE-G Requirements: N 0.00%

DBE Requirements: N 0.00% DBE Subcontract Forms Required: N

CWP Requirements: Y 10.00%

SBD Dates: Received: 3/24/2021 SOI Date: 3/23/2021 Compliance: Y Memo Date: 4/7/2021

Type:	License:	Count:	Work%:	Add Bidders
Primary	<u>General Building Contractor</u>	<u>999</u>		
Primary	<u>Building Contractor</u>	<u>999</u>	<u>0%</u>	<u>Y</u>
Sub	<u>Plumber, Master</u>	<u>1</u>	<u>0%</u>	<u>Y</u>
Sub	<u>Electrical Contractor</u>	<u>1</u>	<u>0%</u>	<u>Y</u>

Sub General Mechanical, Master 1 0% Y

Anticipated Start Date: 6/14/2021

Calendar Days for Project Completion: 365

Liquidated Damages / \$\$ Per day: Y \$335.49

Method of Payment: Scheduled Monthly Payments

CAPITAL BUDGET PROJECT # - DESCRIPTION

MCC ESTIMATE

2000000068- MIAMI INTERNATIONAL AIRPORT (MIA) - RESERVE MAINTENANCE
SUBPROGRAM

\$1,581,851.03

FUNDING SOURCE:

SOURCE

PROJECT NUM

SITE #

MCC ESTIMATE

Reserve Maintenance Fund

2000000068

#3000091

\$1,581,851.03

Awarded To: GREEN ENGINEERING & CONSTRUCTION, INC.

SBE-Con. Exp Date:

Paid Amt: \$0.00

Collusion Affidavit Received: Y

Date Collusion Affidavit Received: 3/24/2021

Date Dept Awarded: 4/8/2021

Date Award Letter: 4/8/2021

PO Approval Date: 6/3/2021

Base Amt: \$1,576,005.60

Cont Amt: \$157,600.56

Ded Amt: \$80,000.00

Award Amt: \$1,813,606.16

Insurance: ISD Reviewed: N

Date Approved: 6/2/2021

GL Ins Exp Dt: 7/27/2021

P & P Bond: Risk Approved:

Date Approved: 6/2/2021

WC Ins Exp Dt: 1/1/2022

AL Ins Exp Dt: 3/7/2022

Scope of Work: (Contractor must obtain and submit all permits prior to performing any work.)

Scope of Work shall include, but not be limited to: Provide all labor, equipment and materials for the general interior demolition and renovation of six existing restrooms including new partition walls, new toilet partitions, new restroom finishes including flooring, wall tile, drywall and act ceiling, vanity counter tops, accessories, and associated HVAC, fire sprinkler, plumbing, electrical systems, and fire-alarm replacement. The demolition and renovation shall be performed in two phases of three restrooms each. CONTRACTOR shall review all documents, specifications, and scope of work provided by Miami-Dade Aviation Department (MDAD) for work to be completed. Please refer to the Plans & Technical Specifications for further description of the scope of work.

Contractors must agree to perform all work in accordance with the scopes of work established by MDAD, the MCC 7040 contract's terms and conditions, all required permits and inspections and all applicable federal, state and local laws, codes and regulations. Any minor variation in the scope of work that is necessary to complete the intended work shall be considered incidental and will not warrant additional compensation. Any major variation encountered in the scope of work that is necessary to complete the intended work will be additional work and will be compensated through a contingency allowance account, dedicated allowance account, or change order. However such major variation shall be completed without delay. Contractor shall use an adequate number of qualified workers who are thoroughly trained in the techniques required to properly complete the work specified. Contractor will own or have access to the equipment necessary and to meet all safety, insurance, and technical requirements of the owner and local, county, state, and federal regulating authorities. The grand total bid price shall be reflected on the RPQ Bid Form – Attachment 5A.

LICENSE:

Note: Pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, selected Contractors must possess a valid, current, and active State of Florida and/or Miami-Dade County contractor's license issued by the County's Construction Trades Qualifying Board and which is consistent with the requirements of their respective trade and the scope of work.

RESPONSIBLE WAGES:

Prospective bidders are notified that Responsible Wages and Benefits requirements apply to this Request for Price Quotation (RPQ), therefore all labor rates shall not be less than those contained in the Wage and Benefits Schedule in effect as of January 1st of the year the work is performed. Prospective bidders are responsible for taking into consideration all applicable Ordinances and/or Regulations in force at the time of the bid, such as Responsible Wages, that may affect unit prices.

BID BOND AND PERFORMANCE & PAYMENT BOND:

Prospective bidders shall submit a Bid Bond at the time of Bid submission. Bidders may use the Surety Company standard bid bond. Alternatively, a certified or cashier's check will be acceptable in lieu of the bid bond.

The Performance & Payment (P&P) bond must be submitted, using the contract specified form, within ten (10) working days from receipt of the Recommendation for Award (RFA) or time extension approved by the MDAD project manager. The P&P bond shall be required for the full contract amount. P&P Bond shall be submitted once the low "responsive and

responsible" bidder is determined and the Recommendation for Award is issued.

MDAD ENVIRONMENTAL POLICY:

Compliance with the Aviation Department (MDAD)'s Environmental Policy, ISO 14000 certification and Commissioning requirements will be strictly enforced by the MDAD PM. These requirements will be discussed during the mandatory pre-bid meeting. The awarded bidder shall comply with all requirements listed on the project plans, specifications and/or distributed separately following the mandatory pre-bid meeting.

SAFETY:

The awarded contractor is responsible for the safety and security of the job site. Any vandalism, theft, etc. which occurs during the construction time is the responsibility of the contractor. No monetary compensation shall be granted if any of the above occurs. If Contractor opts to hire an independent Security Company, such company is to be properly bonded and insured. Contractors shall provide an established safety program and implementation policy. Contractors' safety programs shall be reviewed and approved by MDAD post-bid submittal and work orders shall not be issued to any contractor until their safety program is approved by MDAD.

LIQUIDATED DAMAGES:

If the awarded contractor shall neglect, fail, or refuse to complete the work within the time specified for Substantial Completion in the Notice to Proceed (NTP), then the contractor hereby agrees, as part of the consideration for the awarding of this Contract, to pay to the Owner, as liquidated damages and not as a penalty, the sum of \$335.49 per day for each calendar day beyond the dates set forth in the NTP and/or Work Order(s). The said amount is fixed and agreed on by and between the Contractor and the Owner because of the impracticability and extreme difficulty of ascertaining the true value of the damages which the Owner will sustain by failure of the Contractor to complete the Work on time, such as loss of revenue, service charges, interest charges, delays caused to other construction activities of Owner by failure to perform this Contract, and other damages, some of which are indefinite and not susceptible of easy proof. Said amount is agreed to be a reasonable estimate of the amount of damages which the Owner will sustain and said amount shall be deducted from any monies due or that may become due to the contractor, and if said monies are insufficient to cover said damages, then the Contractor shall pay the amount of the difference. Substantial completion does not relieve the contractor of completing the project in its entirety, nor does it obligate the owner to pay the entire contract price. Final acceptance is achieved when a Certificate of Completion (i.e., if required), acceptable warranties, final payrolls, final releases or acceptable Consent of Surety and documentation required in the contract documents has been submitted for approval to the MDAD project manager.

SECURITY REQUIREMENTS:

Valid MDAD identification (ID) badges with a U.S. Customs Seal will be required as well as vehicle decals to enter airside. The selected contractor and their employees must comply with all MDAD security requirements including background checks, security badges, specialized aviation-related insurance requirements, etc. MDAD may, at its sole discretion, consider making these security-related expenses reimbursable.

Upon the award, the awarded contractor will have up to sixty (60) calendar days to provide a copy of the security badges with the Customs Seal to MDAD/MPEC Division. If the Contractor fails to secure and provide a copy of the required Badges with the Customs Seal after thirty (30) calendar days following the issuance of the NTP, Contractor may be terminated for default as established in Section 1 of the General Terms and Conditions, Article 1.20 (Termination for Default) of the MCC 7040 contract.

UTILITY CLEARANCES & SHUTDOWNS:

The awarded contractor shall be responsible for obtaining all utility clearances and coordinating all utility shutdowns at least 14 working days before initiating any work. Damage to existing equipment, utilities, MDAD or its business partners' property, etc. will be repaired and/or replaced at the contractor's expense. MDAD forms and procedures to obtain utility clearances and/or coordinate shutdowns will be distributed following the mandatory pre-bid meeting.

REQUEST FOR INFORMATION:

All requests for information (RFIs) shall comply with the Cone of Silence, Administrative Order 3-27 and shall be directed in writing to the MDAD project manager with a copy to the Clerk of the Board (clerkbcc@miamidade.gov). The deadline to submit RFIs is no later than five (5) working days before the bid opening date and time specified on the RPQ and Invitation to Bid. MDAD will issue all changes and/or clarifications to the RPQ in writing via an Addendum. Verbal statements made by the County or the Owner's Representative that are not contained in the RPQ or Addendum are not binding on the County and do not form any basis for a bidder's response to a RPQ.

MINIMUM QUALIFICATIONS AND EXPERIENCE:

The selected SBE-Construction contractor must possess:

1. Contractors must be certified SBE-Construction and registered to participate in the MCC 7040 Plan with ISD's Procurement Management Division;
2. Contractors must hold a valid license required to perform work in the following trade: General Contractor License.
3. Contractors must have a minimum of 5 years' experience performing work in their specific trade. In the event a new firm is established by executives, supervisors and other senior field staff (key employees) that would have met these

minimum experience requirements with a prior firm, MDAD reserves the right to qualify the new firm, based on MDAD's sole determination and evaluation of the knowledge and prior experience of these key employees employed by the new firm.

4. Contractors must be able to demonstrate that their firm or its key employees, as described above, have experience performing their respective trade within the company's noted history. Specifically contractors must submit proof that their respective firms have been regularly and successfully engaged in work related to their specific trade for a minimum of one (1) year. These requirements shall be based on projects completed prior to the submission date. Contact information for projects and/or firms submitted as proof of experience shall be provided by prospective contractors as part of their bid package. MDAD will confirm the listed experience by calling the firms' owners or representatives. Should such evidence not be satisfactory to MDAD, whose decision shall be final, the submission will be considered non-responsive. The qualifying proof with names and phone numbers shall be submitted in a sealed envelope at the time of bid.

5. Contractors must have a minimum average total score of 3.0 in their Contractor Performance Evaluations in ISD's Capital Improvements Information System (CIIS). In the event a new firm has been created that does not have evaluations in the CIIS, the firm that previously employed the key employees of the new firm must have had a minimum average total score of 3.0 in the CIIS Contractor Performance Evaluation Module or the new firm must provide, to MDAD's satisfaction, documentation that the new firm has performed satisfactorily on similar projects within their respective trade. Further, any incidence of project delays in a contractor performance evaluation must be justified to the satisfaction of MDAD.

INDEMNIFICATION & INSURANCE:

Contractor is required to have proper insurance to cover ongoing work on the job site. The Contractor shall furnish certificates of insurance and insurance policies to the Owner prior to commencing any operations under this Contract. Certificates and policies shall clearly indicate that the Contractor has obtained insurance, as required for strict compliance with this specification. Compliance with the foregoing requirements shall not relieve the Contractor from liability under any other portion of this Contract. The Contractor shall be responsible for assuring that the insurance certificates required in conjunction with this section remain in force for the duration of the agreement. See attached for indemnification and insurance requirements.

CERTIFICATE OF ASSURANCE:

Bidders must submit a completed Certificate of Assurance (COA) along with the Bid Submittal Package identifying the Small Business Enterprise (SBE) measure. By submitting a completed COA the bidder acknowledges the Small Business Enterprise (SBE) measures applied to the project and agrees to submit, upon notification by SBD or the Miami-Dade County Business Management Workforce System (BMWS), a Utilization Plan via BMWS listing all certified SBE contractor(s) to be utilized to satisfy the measures on the Project, indicating the percentage of work and the description of the work to be performed (pursuant to the firm's certification), within the specified time frame, before the Utilization Plan may be submitted to SBD for approval. Bidders can confirm a SBE-CON certification via BMWS at <http://mdcsbd.gob2g.com/>.

Place the completed COA(s) on top of the bid package so that it can be readily identified by the Department during the bid opening.

MANDATORY PRE-BID MEETING & SITE VISIT:

Since a conference call does not require a physical presence, social distancing practices for COVID-19 are being adhered to. Bidders are still required/responsible for participating in the MANDATORY conference call. Failure to participate in the MANDATORY conference call shall result in the corresponding contractor/company being considered non-responsive. Contractors are extremely encouraged to call 5 minutes before the scheduled meeting time for a roll call. Late arrivals to the conference call shall result in the contractor/company being considered non-responsive. The conference call will be recorded.

The dial-in instructions for the conference call are described below:

- Dial in: 305-876-8333
- Meeting ID: 5762555
- Passcode/Pin: 5869

The agenda for the pre-bid conference call meeting will be sent to you via email to be used during the meeting. Make sure you receive it, if not, please check your junk email or contact our office.

Bidders are responsible for attending the mandatory pre-bid meeting conference call and site visit.

BID BOX:

The bid box is located in the hallway between Conference Rooms B-205 and B-209 in MIA Bldg. 3030, B-Wing, 2nd Floor. If the time clock adjacent to the bid box is unable to stamp the bid envelope due to its thickness, please see Ms. Silvia Perez, Mr. Ultimo De Oliveira or any MDAD representative at MIA Building 3030 to have bid envelopes signed, dated and timed prior to dropping them in the box.

BID SUBMITTAL:

All potential bidders are hereby notified that bids for this project must reflect a lump sum amount. The lump sum amount shall be indicated on the MCC-7040 Attachment 5A Bid Form. All quantities provided with the bid documents are estimated quantities based on the project scope of work. It is the bidder's responsibility to confirm any and all estimated quantities or amounts reflected on the bid documents to generate a "responsive and responsible" bid. Errors, omissions and/or discrepancies in quantities shall be brought-up to the attention of the MDAD team via the request for information (RFI) process during the bidding phase. Failure to confirm estimated quantities shall not constitute grounds for subsequent change orders. The lump sum bid amount shall be all inclusive to complete the work scope reflected on the construction bid documents. Bidders are responsible for all costs related to permitting, preparation of required shop drawings, special inspections, preparation of as-built drawings, close-out documentation and/or any engineering certificates required.

Contingency Allowance Account: for unforeseen conditions, construction changes, for additional work or materials not covered by other proposal items and for quantity adjustments, if ordered by the MDAD PM.

This account item is for all labor, materials, equipment and service necessary for modification or extra work required to complete the Project because of unforeseeable conditions, unforeseeable conflicts between existing elements of work and the proposed work; for minor changes required to resolve any unforeseeable conditions, Revised Regulations, Technological and Products Development, Operational Changes, Schedule Requirements, Program Interface, Emergencies and other miscellaneous costs; all if ordered by the MDAD PM. The Contingency Allowance Account is ten percent of the lump sum amount submitted in the RPQ Bid Form - Attachment 5A.

Payment to the CONTRACTOR under this item will only be made for work ordered in writing by the MDAD. Any portion of this fund remaining after all authorized payments have been made will be withheld from Contract Payments, and will remain with the County. If one account has been depleted and funds are available in the other accounts the MDAD PM may use some of the available funds to complete the Project.

Dedicated Allowance Account: for other unforeseen conditions (permitting, plan revisions, existing utility relocations, utility company service fees), construction changes and for quantity adjustments. The Dedicated Allowance Account is fixed at \$80,000.00. Any portion of this fund remaining after all authorized payments have been made will be withheld from Contract Payments, and will remain with the County. If one account has been depleted and funds are available in the other accounts the MDAD PM may use some of the available funds to complete the Project.

Bid Documents shall be distributed following the MANDATORY Pre-Bid Meeting (see date and time above). Bid Documents must be submitted in a sealed envelope. The bidder's name, address, the project name and the RPQ number must be indicated on the outside of the envelope. The sealed envelope shall include, at a minimum, the following documents:

1. Bid price using Bid Form-Attachment 5A.
2. Bid guarantee in the form of a bid bond, certified check, or cashier's check. Failure to include a bid bond/ guarantee shall render the bid non-responsive.
3. Fully executed Fair Wage and Collusion Affidavit.
4. Any and all applicable Addenda documents (fully executed and dated) issued during the bidding phase.
5. Internal Services Department (ISD) Division of Small Business Development's (SBD) Certificate of Assurance (COA) Form.

All potential bidders are hereby notified that failure to submit the completed Bid Form – Attachment 5A reflecting the bid amount and bidder information, COA, and/or the bid bond/guarantee will not constitute a curable deficiency and shall render the bid "non-responsive." Failure to include the Fair Wage and/or Collusion affidavits, Addendum or other similar forms due with the bid shall be considered curable deficiencies. Bidders will be allowed to cure these deficiencies within deadlines established by MDAD staff.

Recommendation for Award is contingent to availability of proper funding.

SCHEDULE OF VALUES:

During the due diligence evaluation of bids MDAD may request bidders to submit a detailed and itemized schedule of values (SOV) before the award process is completed for review and acceptance by the MDAD team. Schedule of value should show the complete breakdown of labor, material and equipment for all categories of the work to be performed by building. Work scope deductions and associated costs, if needed, will be based on the accepted SOV. The Owner may require further breakdown and additional line items following review of the CONTRACTORS' submittal and/or at any time throughout the duration of the project.

CONSTRUCTION PROGRESS SCHEDULE:

The contractor, within seven days of the Recommendation for Award or time extension granted by the MDAD PM, shall submit a "Construction Progress Schedule" and the final "Schedule of Values" as follows:

The Construction Progress Schedule shall be in a bar chart format with separate bars for each trade, activity and operation on each building, structure and improvement. Include all trades required for completion of project in activities of schedule. Identify the first workday of each week. Provide electronic copy of schedule or submit via E-mail to the MDAD PM. Updated schedules shall be provided with each application for payment. Updated schedules must reflect all changes

since previous submittal. Failure to submit updated schedule may be cause for withholding payment to contractor. Activities detailed within construction schedule shall correlate with all items listed within Schedules of Values. OWNER will review and return schedule (approved or rejected) to Contractor. Construction may not begin until OWNER has reviewed and approved in writing of Contractor proposed schedule.

DAILY LOG:

CONTRACTOR shall maintain a daily log (report) of activity at job-site. Reports will be submitted to the MDAD project manager upon request. Daily reports shall be submitted to the Construction Supervisor at the stipulated progress meeting(s). FAILURE TO SUBMIT DAILY REPORTS AS STIPULATED ABOVE MAY RESULT IN PAYMENT DELAYS.

Contractor will be responsible for all his work until accepted by the MDAD. Any damage to any newly completed or in progress work will be the sole responsibility of the contractor to fix at no additional cost to the owner. No time extension will be granted for any delays related to such damages. All existing finishes and areas disturbed by CONTRACTOR will be repaired and or replaced to original condition as directed by OWNER.

PROGRESS MEETINGS:

The MDAD project manager will schedule and host progress meetings throughout the duration of the project. The contractor shall attend each meeting with major subcontractors, contractor's project manager, and job superintendent and supplier representatives. Attendants noted above shall cooperate with the MDAD PM to ensure that meetings are held on a timely manner. One of the progress meetings may be designated as a monthly payment requisition review meeting.

PERMITS:

CONTRACTOR is responsible for obtaining all applicable permits and paying all related fees needed to begin and complete all phases of work within the plans. It shall be the contractor's responsibility to ensure that all required regulatory or proprietary permits are obtained prior to commencement of work. Copies of all permits shall be submitted to MDAD PM prior to commencing work. CONTRACTOR is responsible for obtaining all permits and inspections required to complete project. The CONTRACTOR, prior to final requisition for payment, shall obtain and submit a Certificate of Completion and/or Certificate of Occupancy (i.e., if applicable) to the MDAD PM.

CONTRACTOR shall provide all construction administration services and related costs required for all permits and preparation of all required shop drawings, review, field inspections, as-built, change order review, and close out documents, engineering certificates as required

SHOP DRAWINGS AND SAMPLES:

The contractor shall submit two (2) copies of all Shop Drawings, catalog cut-sheets and samples (submittals) required. Samples (as applicable) shall provide full range of manufacturer's standard colors, textures, and patterns for selection. All color and finish selections must be submitted by the contractor in a single submittal, properly labeled and identified.

The contractor shall maintain a set of construction drawings on site reflecting all changes, revisions, approved RFIs and/or directives applicable to the changes/modifications. All changes, revisions and/or modifications shall be clearly marked in red on the said drawings before requesting pencil draft walkthrough inspections for processing of payment requisitions. The marked set of drawings shall be readily available at the project site upon request by the MDAD project manager and/or its authorized representative(s).

AS-BUILTS:

CONTRACTOR shall provide THREE (3) HARD COPIES and/or THREE (3) CAD COPIES on CD of SIGNED and SEALED as-built drawings at completion of work. Use the latest version of CAD compiled format. X-REF files are not acceptable. Final requisition for payment will not be processed without submittal and acceptance of as-built drawings. CONTRACTOR shall maintain updated Red line as-built at the jobsite for review as part of the Monthly Requisition review meeting. All projects must have an As-Built completed, received, reviewed and approved by the Miami-Dade Aviation Department prior to authorizing final payment to the consultant or contractor. As-Built shall be Signed and Sealed by a Professional Land Surveyor or Professional Engineer.

Design Drawings Included: Y

Shop Drawings Included: N

Specifications Included: Y

Project Qualifier: Ana Finol, P.E.

Phone No: 305-876-8310

Email: AFinol@miami-airport.com

Comments:

EMPLOY MIAMI-DADE PROGRAM

In accordance with Section 5.02 of the Miami-Dade County Home Rule Amendment and Charter, Section 2-8.1 of the Code of Miami-Dade County, and Administrative Order No. 3-63, all contractors and subcontractors of any tier on (i) construction contracts valued in excess of one million dollars (\$1,000,000) for the construction, demolition, alteration and/or repair of public buildings, or public works; or (ii) contracts or leases valued in excess of one million dollars (\$1,000,000) for privately funded construction, demolition, alteration or repair of buildings, or improvements on County-owned land. The awarded Contractor is hereby notified that the County will consider whether the Contractor made its best reasonable efforts to promote Employ Miami-Dade on this contract, as defined in A.O. 3-63, as part of the County's evaluation and responsibility review of the Contractor for new County contract awards.

RESIDENTS FIRST TRAINING AND EMPLOYMENT PROGRAM

In accordance with Section 2-11.17 of the Code of Miami-Dade County and Implementing Order No. 3-61, all contractors and subcontractors of any tier on (i) construction contracts valued in excess of \$1 million for the construction, demolition, alteration and/or repair of public buildings, or public works; or (ii) contracts or leases valued in excess of \$1 million for privately funded construction, demolition, alteration or repair of buildings, or improvements on County-owned land shall comply with the following: (i) prior to working on the project, all persons employed by the contractor or subcontractor on the project to perform construction have completed the OSHA 10-hour safety training course, and (ii) the contractor will make its best reasonable efforts to have 51% of all construction labor hours performed by Miami-Dade County residents.

In accordance with Miami-Dade County Implementing Order 3-9, Accounts Receivable Adjustments, if money is owed by the Contractor to the County, whether under this Contract or for any other purpose, the County reserves the right to retain such amount from payment due by County to the Contractor under this Contract. Such retained amount shall be applied to the amount owed by the Contractor to the County. The Contractor shall have no further claim to such retained amounts which shall be deemed full accord and satisfaction of the amount due by the County to the Contractor for the applicable payment due herein.

Pursuant to Section 2-8.10 of the Code of Miami-Dade County, this Contract is subject to a user access fee under the County's User Access Program (UAP) in the amount of two percent (2%). All construction services provided under this contract are subject to the 2% UAP. This fee applies to all Contract usage whether by County Departments or by any other governmental, quasi-governmental or not-for-profit entity. From every payment made to the Contractor under this contract (including the payment of retainage), the County will deduct the two percent (2%) UAP fee provided in the ordinance and the Contractor will accept such reduced amount as full compensation for any and all deliverables under the contract. The County shall retain the 2% UAP for use by the County to help defray the cost of its procurement program. Contractor participation in this pay request reduction portion of the UAP is mandatory.

Provided, however, UAP shall not be applicable for total contract values, inclusive of contingency and allowance accounts, of less than five hundred thousand dollars (\$500,000.00).

All Projects, where the prices received are in excess of \$200,000 will require the submission of the Payment and Performance Bond as required by State of Florida Statute.

COMMUNITY WORKFORCE PROGRAM

Prior to entering into a contract and according to the Miami-Dade County Code §2-1701 and amended by Ordinance 13-66, the successful bidder on a construction contract subject to a Community Workforce Program (CWP) goal, must submit to Small Business Development (SBD) through the contracting officer a workforce plan outlining how the CWP goal will be met. Additional information is available at the County's website at <http://www.miamidade.gov/business/contract-requirements.asp#0>.

Contractor must submit a Workforce Plan to the Miami-Dade County Internal Services Department, Small Business Development Division within fifteen (15) days of notification of award of the contract. The County will not enter into the contract until it receives the contractor's Workforce Plan and deems the Plan acceptable. The Workforce Plan forms may be obtained on the County's website at <http://www.miamidade.gov/business/contract-requirements.asp#0>.

PUBLIC RECORDS AND CONTRACTS FOR SERVICES PERFORMED ON BEHALF OF MIAMI-DADE COUNTY:

The Contractor shall comply with the Public Records Laws of the State of Florida, including but not limited to: (1) keeping and maintaining all public records that ordinarily and necessarily would be required by Miami-Dade County (County) in order to perform the service; (2) providing the public with access to public records on the same terms and conditions that the County would provide the records and at a cost that does not exceed the cost provided in Chapter 119, F.S., or as otherwise provided by law; (3) ensuring that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law; and (4) meeting all requirements for retaining public records and transferring, at no cost, to the County all public records in possession of the Contractor upon termination of the contract and destroying any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements upon such transfer. In addition, all records stored electronically must be provided to the County in a format that is compatible with the information technology systems of the County. Failure to meet any of these provisions or to comply with Florida's Public Records Laws as applicable shall be a material breach of the agreement and shall be enforced in accordance with the terms of the agreement.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT (305) 375-5773; ISD-VSS@MIAMIDADE.GOV; 111 NW 1 STREET, SUITE 1300, MIAMI, FLORIDA 33128

Type	Contractor Name	Trade	Bid	SBD OK	Base Bid Amount	Award	Bid Type	LI Exp Date
7040	A GREEN WORLD CONSTRUCTION CO INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	A Servi, LLC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	A. J. J. GLASS WORK INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	AA EQUIPMENT & SERVICES, INC.	General Building Contractor	N		\$0.00	N	Pri	9/30/2022
7040	AAP CONSTRUCTION GROUP CORP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Aarya Construction & Design, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	A-B Remodeling, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	ACME ORGANIZATION INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Alexander Air & Heating Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	ALL CONSTRUCTION & PLUMBING INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	All Dade General Waterproofing, Inc. DBA All Dade General	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	ALTA HOME REMODELING CO. DBA ALTA QUALITY BUILDERS	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	AM Florida Builders Corp	Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	AMERICAN COOLING MASTERS CORP DBA AMERICAN BUILDERS MASTERS CORP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	AMERICAN PIPELINE CONSTRUCTION, LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	ARES CONSTRUCTION, CORP.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Arisen Construction Inc	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	AVATAR INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	AVR Contractors, Corp	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	BACALLAO CONSTRUCTION & ENGINEERING DEVELOPMENT LLC DBA BC&E	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	B-Line Construction, Inc	General Building Contractor	N		\$0.00	N	Pri	9/30/2022
7040	Blue Home Builders Corp.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	BOFAM CONSTRUCTION COMPANY INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	BUILDERS OF MIAMI LLC	Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	C L ELIAS CONSTRUCTION INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	CALISTE CONSTRUCTION LLC	Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	CAMO CONSULTING LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	CANYON CONSTRUCTION INC	Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	CASANOVA SERVICES GROUP CORP DBA THE CERTIFIED GENERAL CONTRACTORS GROUP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	CDC GROUP & ASSOCIATES, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	CG3 GROUP, LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	CONBUILD L.L.C. dba CONBUILD	General Building Contractor	Y	Y	\$2,094,850.00	N	Pri	8/31/2022
7040	CONSTRUCTION SERVICES INTERNATIONAL CORP. DBA CSI CONSTRUCTION	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	COOL HAVEN, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	CORELAND CONSTRUCTION CORP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Crisscross Concrete Cutting & Drilling Inc.	Building Contractor	N		\$0.00	N	Pri	9/30/2022
7040	CSR CONSULTING AND CONTRACTING CORP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	D CATASUS INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	D. TORR GENERAL CONTRACTORS, INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	DBTECH, INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	DDI Management Construction & Engineering LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	DE ZAYAS-BITAR CONSTRUCTION	General Building Contractor	N		\$0.00	N	Pri	8/31/2022

	CO.							
7040	DEDCO Construction, Inc	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	DEEN CONSTRUCTION COMPANY	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	DELKA INNOVO GROUP, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	DLF SERVICES LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	DODEC, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Done Wright A/C and Electric Service Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	DoubleDay Engineering, LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Dozier & Dozier Construction, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	D'UNIVERSAL BUILDERS, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	DUNN DEVELOPMENT LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	DUNOL CONSTRUCTION MANAGEMENT DCM LLC DBA DUNOL ENGINEERING CORP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	E.C. & C. CONSTRUCTION GROUP, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	EPIC CONSTRUCTION GROUP INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	EPIC CONSTRUCTION SOLUTIONS LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	F X P Corp.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	FELIGOU CONSTRUCTION, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	FLEITES CONSTRUCTION GROUP INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	FLORIDA GENERAL & ROOFING CONTRACTORS, LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	G.I.P. Construction Management Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Gallardo Construction, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	GAMAX CONSULTING, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	GECKO GROUP INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	GOPHERWOOD CONSTRUCTION, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	GRAND HOME BUILDERS INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	GREEN ENGINEERING & CONSTRUCTION, INC.	General Building Contractor	Y	Y	\$1,576,005.60	Y	Pri	8/31/2022
7040	GREENBROOK AT KENDALL INC DBA GREENBROOK POOLS	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	GROUP II INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Gryphon Construction Services Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Haber & Sons Plumbing Inc	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	HALMAG SOLUTIONS, INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	HARTEC GROUP INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	IGWT Construction, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	IMECO, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	IMF ESTIMATING & CONSTRUCTION.CORP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	IMR CONSTRUCTION, INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	INFRAMASTER G C CORP	General Building Contractor	N		\$0.00	N	Pri	9/30/2022
7040	INTER RELATED CONSTRUCTION SERVICES CORP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	JCM Development Group Inc	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	JCS Construction Services, LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	JDI CONSTRUCTION SERVICES INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	JNN CONTRACTORS INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	John Bell Construction, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Joseph L. Cole, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Kalex Construction and Development, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Kalex Steel Buildings, Corp.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Landel Construction Corp.	Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	LAW Construction Group, Inc.	General Building Contractor	N		\$0.00	N	Pri	9/30/2022

7040	Leadex Corporation	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	LLORENS CONTRACTING, LLC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Luis & Luigi Concrete LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	M & N Construction Group LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	M.A.C. Construction, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	MAC195 ENGINEERING CORPORATION	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	MAG CONSTRUCTION INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	MARLIN CONSTRUCTION, INC.	Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	MARVI BUILDERS LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Mass Construction Corporation	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Mckercher Construction Corp	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	MCO Environmental, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	MERRICK INDUSTRIAL MANAGEMENT CORPORATION	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	METROPOLIS CONSTRUCTION SERVICES, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	MG PROPERTY SOLUTIONS CORP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	National Builders Group, Corp.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Nimble Construction LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	ONAIR, INC.	Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	One General Contractors LLC dba Triangulo Construction	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	OVERNIGHT SUCCESS INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2021
7040	PADRINOS CONSTRUCTION CORP.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Paradise Construction Corporation	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Paragon Construction Unlimited, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	PARSA CORPORATION	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Perez-Borroto Construction LLC dba Miami Fresh Renovations	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	PERPETUAL ADVANCEMENT ENTERPRISES INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	PERRIN INTERNATIONAL SERVICES INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	PLACERES CONSTRUCTION, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	PRESIDENTIAL BUILDERS INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	PRESTIGE DEVELOPERS & CONTRACTORS INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	PT SUPPLIERS LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	R & G Engineering, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	R2 BUILDERS INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Regosa Engineering Services, Inc	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	RF ENVIRONMENTAL SERVICES, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Ricmon Group LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	RIERA CONSTRUCTION COMPANY	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	RJ SPENCER CONSTRUCTION LLC DBA RJS CONSTRUCTION	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	RJR CONSTRUCTION INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	SCR MECHANICAL LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	SERVILACON, CORP.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	SFL PROPERTY MAINTENANCE CORP.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Shovel Construction, LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	SK Quality Contractor Inc dba S K Construction Company	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	SKY LIVING CO., INC.	Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	SMART HOUSE SOLUTIONS INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Southeast Allegiance LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	STONE CONCEPT MIAMI INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Supreme Roofing & Construction,	General Building Contractor	N		\$0.00	N	Pri	8/31/2022

	Inc.							
7040	SUSTAINABLE DESIGN AND CONSTRUCTION SERVICES, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	TCS CONTRACTING CORP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	TCS EMPIRE INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	TECHGROUPONE, INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	TEQUESTA CONSTRUCTION SERVICES GROUP INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	TERRA HYLE CONTRACTORS, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	TERRECON DESIGN & CONSTRUCTION INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	The Bannerman Group, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Top Crafts, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	TRADE SOLUTIONS, LLC DBA PRONTO CONSTRUCTION DEVELOPERS	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	TVC CONSTRUCTION CORP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	UNITED UNDERGROUND UTILITY CORPORATION	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	VERSATILE STRUCTURE, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	VINWARD CONSTRUCTION CORP	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	W & R Construction Group, Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	WARBIRD, INC.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	WAYPOINT CONTRACTING INC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	WM7 GROUP LLC	General Building Contractor	N		\$0.00	N	Pri	8/31/2022
7040	Wrangler Construction Inc.	General Building Contractor	N		\$0.00	N	Pri	8/31/2022



RPQ ADDENDUM

Addendum No.:	1	Date:	2/12/2021
Project No.:	AA017C-2	Project Title:	MIA Public Restroom Modernization South Terminal Group 2
RPQ No.:	AA017C-2	RPQ Due Date:	3/10/2021
Project Location:	MIA South Terminal	Project Manager:	A. Portal

This Addendum also serves to respond to the Request for Information (RFI) submitted by the following Contractors:

Carlos Gazol of MCO Environmental, Inc., received on 2/4/2021, 9:25AM.

- Q.1 Does this project have any asbestos abatement or any hazardous material removal?
- A.1 The Asbestos Renovation Survey and other bid documents will be provided to all contractors who attend the Pre-bid Conference Call on 2/16/21.

Christi Elias of C.L. Elias Construction, Inc., received on 2/4/2021, 11:24AM.

- Q.2 C.L. Elias employees have MDAD Badges with seals. Is it necessary for us to submit Driver's License ... to obtain VIP badges?
- A.2 No. Anyone attending the site visit who already has an MDAD badge does not need VIP badges.

Kassandra Gorecki of Arya Construction & Design, Inc., received on 2/4/2021, 4:43PM.

- Q.3 In regards to the mandatory site visit on 2/18/21, when would you like the license and information sent over? The date that information is required in order to obtain VIP badges is not specified.
- A.3 Any time prior to the site visit is acceptable.

Arturo di Mauro of Gryphon Construction Services, Inc., received on 2/8/2021, 12:53PM.

Q.4 Will this project have bid packages similar to the MCC or is it bidding straight to a GC?

A.4 As shown in the Invitation to Bid, this is an MCC-7040 project (100% SBE-Construction participation) with the following license requirements:

Primary: General Building Contractor; Building Contractor

Sub: Plumber, Master; Electrical Contractor; General Mechanical, Master

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor: _____

Name of Individual Authorized to Sign: _____

Title: _____

Signature: _____



RPQ ADDENDUM

Addendum No.:	2	Date:	3/5/2021
Project No.:	AA017C-2	Project Title:	MIA Public Restroom Modernization South Terminal Group 2
RPQ No.:	AA017C-2	RPQ Due Date:	3/24/2021
Project Location:	MIA South Terminal	Project Manager:	A. Portal

- Change Bid Due Date from Wednesday, 3/10/2021 to Wednesday, 3/24/2021.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor: _____

Name of Individual Authorized to Sign: _____

Title: _____

Signature: _____



RPQ ADDENDUM

Addendum No.:	3	Date:	3/16/2021
Project No.:	AA017C-2	Project Title:	MIA Public Restroom Modernization South Terminal Group 2
RPQ No.:	AA017C-2	RPQ Due Date:	3/24/2021
Project Location:	MIA South Terminal	Project Manager:	A. Portal

This Addendum also serves to respond to the Request for Information (RFI) submitted by the following Contractors:

Alejandro Arismendi of SK Quality Contractor Inc. dba SK Construction Co., received on 3/3/2021, 5:25PM.

- Q.1 In the Plan A-501 mentioned Solid polymer material for toilet partition, benches and baby changing station use Array Cararra V201 but in the specs section 12 36 00 Countertops Part 2/ mentioned six different manufactures included Wilsonart. All solid surface included partition they can be from any of these companies?
- A.1 Only the Array Cararra V201 will be accepted for this project. Specification Section 12 36 00 has been revised to delete reference to other manufacturers. MDAD will not consider any other manufacturer's product as equivalent on this project. See attached "Revised Spec 12 36 00 for Addendum #3".
- Q.2 In the section 10 21 13 / Products 2.1 mentioned Array Solid Surface (www.ArrayShowers.com) 877-778-1149 – Color Chilled Earth Panels F922 Polished both sides - as Basis of Design Used. See Technical Data Sheet attached. Please provide the Technical data sheet.
- A.2 See attached "Technical Data Sheet for Addendum #3" for the Array Solid Surface.
- Q.3 In the section 10 21 13 / Products 2.1 mentioned Array Solid Surface (www.ArrayShowers.com) 877-778-1149 – Color Chilled Earth Panels F922 Polished both sides or, as approved equivalent only if accepted by MDAD Engineering prior to Bid submittal date. Please find the attached technical data sheet for Wilsonart solid surface, and equivalent Wilsonart color Chilled Earth 9228SS, in order to obtain approval to use this material.
- A.3 Refer to A.1 above.

Joaquin Esquivia of Conbuild, LLC, received on 3/4/2021, 3:58PM.

- Q.4 Can contractors use the work area to store materials and equipment during construction?
- A.4 Yes, at contractor's risk. Any restrictions will be discussed and finalized at the pre-construction meeting.
- Q.5 Will contractor allowed to use toilet inside the facility, or are contractors required to have portable toilets? if so, please provide designated location?
- A.5 Public restrooms are available for use inside the facility.
- Q.6 For estimating purposes, can MDAD designate the location for the dumpster or at least indicate how far maximum distance. This affects the labor travel costs for demolitions.
- A.6 Locations for the dumpster will be discussed and determined at the pre-construction meeting.
- Q.7 Are there requirements to enclose the dumpster: barricade, fencing, silk.
- A.7 Dumpster requirements depend on the accepted location which will be discussed and determined at the pre-construction meeting.
- Q.8 Provide permit number or process number to estimate building permit fees.
- A.8 Process number: C2020164501. See Attachment #22 in the Bid Documents for more information.
- Q.9 Confirm MDAD will pay for all permit fees GC and Subs? Or contractor will be reimbursed?
- A.9 The actual cost of the permits will be reimbursed from the dedicated allowance. All other costs should be included in the bidder's base bid.
- Q.10 What is the status of the plans revision to obtain the building permit?
- A.10 Refer to A.8 above.
- Q.11 Is there any asbestos test required?
- A.11 Refer to Asbestos Renovation Survey in Attachment #21 of the Bid Documents.
- Q.12 Is a pre-Test for existing HVAC system required?
- A.12 No. Refer to Section 230593 of the Technical Specs.

- Q.13 Will Test and Balance required? If so, clarify the extend of areas to T&B.
- A.13 Yes. Refer to the Test and Balance (T&B) Scope described in Section 230593 of the Technical Specs. The T&B work should include the work area as defined in the Florida Building Code - Existing Building, 2017. In addition, per the Existing Building Code, the Work must also conform to the Florida Building Code - Energy Conservation, 2017 Section C408.2.2.
- Q.14 Will MDAD hire a third-party consultant to perform floor moisture testing or who is responsible for testing if required?
- A.14 Moisture testing is not required.
- Q.15 Since project duration is until 2022, will owner provide allowance for escalation in prices of materials?
- A.15 Allowance for escalation in prices of materials will not be provided.
- Q.16 Since project duration is until 2022, will owner provide allowance for escalation in labor costs?
- A.16 Allowance for escalation in labor costs will not be provided. All Contractors shall comply with the latest Responsible Wages & Benefits requirements. For more information, refer to:
- <https://www.miamidade.gov/smallbusiness/responsible-wages-and-benefits.asp>
- Q.17 Will partial TCO be approved to use each phase when finished?
- A.17 Yes. The use of finished toilets upon completion of phase is required. Phase is not deemed completed until the restrooms are available for use by the public.
- Q.18 Clarify how will warranty work in this project, since phase 1 will finish earlier than phase 2, there will be progressive portions of the project turn to Owner for use and last bathroom will finish 2 years after the first was completed? Will the owner accept the one-year warranty per bathroom?
- A.18 Date of beginning of time of warranty will be the date of Substantial Completion. Refer to Section 01740 of the Technical Specs. Please note that the construction duration for the project is 365 days.
- Q.19 What are the working hours for this project?
- A.19 There is no limit for the working hours (24 hours per day), but the working hours will be discussed and finalized at the pre-construction meeting. Deliveries of equipment and materials should be scheduled after hours to avoid disturbing the airport operations.

- Q.20 Does contractor and subcontractors need to upload the certified payrolls on a weekly basis in the BMWS-LCP Tracker system?
- A.20 Each contractor and every low-tier subcontractor is required to submit all certified payrolls and labor compliance documentation electronically by the 10th of every month for the previous month using LCP Tracker, a web-based Certified Payroll Management System (www.lcptracker.net). The system is managed by Small Business Development (“SBD”), a division of the Internal Services Department. The use of the system is mandatory, pursuant to Miami-Dade County Ordinance No. 18-33. The only aspect of this procedure that has been modified is that before the certified payrolls would be submitted through hard copy whereas now Miami-Dade County has moved to a web-based submission. Contractors have always had to submit payrolls even when no physical work was ongoing. This requirement is due once a month by the 10th of every month.
- Q.21 Does subcontractors need to upload payrolls into LCP tracker system after first day of work regardless if no work was performed in following weeks, or can subcontractor upload the payroll information only for the weeks were performed. Please note that if subcontractor must upload on a weekly basis is an additional overhead cost for a zero payroll period. This cost could be a huge burden on a weekly basis since there are approximately 52 weeks for 365 days project duration. Not all subcontractors will be working concurrently in this project. Please clarify.
- A.21 Refer to A.20 above.
- Q.22 Clarify if waterproof membrane is required for wall & floor tiles.
- A.22 Water proofing membrane is required for the slabs.
See attached “Revised Spec 09 30 00 for Addendum #3”.
- Q.23 Sheet A-501 states solid surface SP-1 color to be Carrara V201, but specs states Color Chilled Earth Panels F922 Polished both sides - as Basis of Design Used. Please confirm color.
- A.23 Refer to A.1 & A.2 above.
- Q.24 Please confirm that Toilet compartment system and components shall be LINEA RETTA (Privacy Systems) by Turning Point Industries of Florida.
- A.24 Refer to A.1 & A.2 above.
- Q.25 SECTION 01504 CONSTRUCTION IDENTIFICATION SIGNS describe embedded installations for an exterior type project and not interior. Please confirm that MDAD will supply the signs at to be installed at temporary walls.
- A.25 MDAD will provide the necessary construction signs for this project.
See attached “Revised Spec 01504 for Addendum #3”.

- Q.26 The digital artwork panels will be supplied by MDAD or by contractor?
- A.26 The paneling system must be supplied and installed by the contractor.
- Q.27 Please provide specs for the stainless steel doors & frames.
- A.27 See attached “Revised Spec 08 11 13 for Addendum #3”.
- Q.28 Please clarify where in the plans is applicable specs SECTION 09 96 00 HIGH PERFORMANCE COATINGS.
- A.28 Section 09 96 00, High Performance Coatings, is not required. Omit this section for this project.
- Q.29 Please clarify the specs for tags WP-1 and WP-2 as per sheets A-201, A-202, A-203, A-204.
- A.29 See the following revised drawing sheets attached:
“Revised Plans A-201 for Addendum #3”
“Revised Plans A-202 for Addendum #3”
“Revised Plans A-203 for Addendum #3”
“Revised Plans A-204 for Addendum #3”
“Revised Plans A-206 for Addendum #3”
Reference to WP-1 and WP-2 has been deleted. Refer to specification section 09 78 13, Metal Wall Panel System, for wall panel system.
- Q.30 Due to delays in price proposals from subs and vendors, can MDAD consider extending the bid for one more week.
- A.30 Addendum #2 extended the bid due date to Wednesday, 3/24/2021.

Javier Delgado of Delka Innovo Group, Inc., received on 3/15/2021, 12:39PM.

- Q.31 Do you want a sequence between the placement of the tile between the floor and the walls?
- A.31 In every restroom, the contractor shall follow the tile installation 'Start Point' as indicated on the plans for walls and for the floors.

Q.32 In previous projects, they have wanted a match between the floor and the wall and take into account that when a 12 "tile is placed on the wall and later they want it to coincide with two 6" on the floor and it is quite difficult, because when placing on the floor it is must place a required spacing for the grout, these tiles expand more than 12 "and no longer match.

A.32 The tile base design as shown on the drawings does not have to align with the wall or floor tiles, as shown on the plans. This is intentional to avoid the issue referred to in the question. However, by following the tile 'Start Points' as indicated on the plans, the wall and floor tiles should appear to be matching even if it is not an exact match.

Leo Curiel of Green Engineering & Construction, Inc., received on 3/15/2021, 12:57PM.

Q.33 The specifications call for Hollow Metal Doors Galvanized, but Door Schedule calls for Stainless Steel Doors. If they are in fact Stainless Steel, we need to know if they are 304 or 316 and the finish.

A.33 Stainless steel doors and frames shall be stainless steel alloy type 304 ss and provided as indicated on revised specs. See attached "Revised Spec 08 11 13 for Addendum #3".

Q.34 No hardware is disclosed on plans, do we need to provide hardware or will re-use existing? What kind of hardware will be required?

A.34 All new doors and frames shall be provided with new Hardware in accordance with spec section 08 71 00. Provide all door hardware components required for a complete operational door and frame installation that matches the existing operational conditions for each door indicated on the door schedule.

Javier Delgado of Delka Innovo Group, Inc., received on 3/15/2021, 4:04PM.

Q.35 In the demolition plans, it specifies that the lobby area or entrance of each bathroom must be demolished to the existing floor, but in the architectural plans (Floor Plan), it says that the terrazzo floor must be maintained and a transition must be built. clarify, which of the two is it?

A.35 As shown in the Plans, the terrazzo floor is to remain and must be protected during the demolition and the duration of the work.

Q.36 Specify the location of the dumpster for each phase of the project.

A.36 Refer to A.6 above.

Q.37 Doors 2166, 2166B and 2 JXXXX, do not appear in the Door Schedule.

A.37 No work is required on these doors in the project scope of work.

Q.38 Specify if the dumpsters should have a temporary fence? clarify what type of temporary fence is required.

A.38 Refer to A.7 above.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor: _____

Name of Individual Authorized to Sign: _____

Title: _____

Signature: _____

REVISED ADDENDUM 3

MIA Public Restroom Modernization SOUTH Terminal
Project No. AA017C-2

SECTION 12 36 00 COUNTERTOPS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Work includes labor, materials, appliances, tools, equipment, facilities, transportation, and services necessary for and incidental to performing operations in connection with furnishing, delivery and installation of the work of this Section, meeting current building codes and manufacturer's latest printed instructions, complete as shown on the drawings and/or specified herein.

1.2 REFERENCE STANDARDS

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2018.
- B. ISFA 2-01 - Classification and Standards for Solid Surfacing Material; 2013.
- C. SEFA 2 - Installations; 2010.
- D. SEFA 3 - Laboratory Work Surfaces; 2010.
- E. WI (CCP) - Certified Compliance Program (CCP); Current Edition.

1.3 SUBMITTALS

- A. See Section 01300 – A Submittals, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Specimen warranty.
- C. Shop Drawings: Complete details of materials and installation; combine with shop drawings of cabinets and casework specified in other sections.
- D. Selection Samples: For each finish product specified, color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, minimum size 6 inches square, representing actual product, color, and patterns.
- F. Test Reports: Chemical resistance testing, showing compliance with specified requirements.
- G. Certificate: Submit labels and certificates required by quality assurance and quality control programs.
- H. Installation Instructions: Manufacturer's installation instructions and recommendations.
- I. Maintenance Data: Manufacturer's instructions and recommendations for maintenance and repair of countertop surfaces.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of the type specified in this section, with not less than three years of documented experience.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.6 FIELD CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS**2.1 COUNTERTOPS**

- A. Solid Surfacing Countertops: Solid surfacing sheet or plastic resin casting over continuous substrate.
1. Flat Sheet Thickness: 3/4 inch, minimum.
 2. Solid Surfacing Sheet and Plastic Resin Castings: Complying with ISFA 2-01 and NEMA LD 3; acrylic or polyester resin, mineral filler, and pigments; homogenous, non-porous and capable of being worked and repaired using standard woodworking tools; no surface coating; color and pattern consistent throughout thickness.
 - a. Manufacturers:
 - 1) Array Surfaces: www.array-surfaces.com
 - 2) Or, approved equivalent only if accepted by MDAD Engineering.
 - b. Finish on Exposed Surfaces: Polished.
 3. Other Components Thickness: 1/2 inch, minimum.
 4. Back and End Splashes: Same sheet material, square top; minimum 4 inches high.

END OF SECTION



Modified Acrylic Material Technical Data Sheet

PROPERTIES	TYPICAL RESULTS	TEST PROCEDURE
Specific gravity	1.70 g/cm ³	ASTM D 792, GB/T 17657
Flexural strength	>42 MPa or >6,100 psi	ASTM D 790, JC 908
Flexural modulus	>6,000 MPa or >8.7x10 ⁵ psi	ASTM D 790, JC 908
Hardness	≥50 barcol impressor	ASTM D 2583, JC 908
Water absorption	<0.03%	ASTM D 570
Gloss (60 Gardner)	5 – 40	NEMA LD-3
Chemical resistance	Pass	ANSI Z 124, JC 908
Stain resistance	Pass	ANSI Z 124, JC 908
Abrasion resistance	Pass	ANSI Z 124
Boiling water surface resistance	No effect	NEMA LD-3
High temperature resistance	No effect	NEMA LD-3
Pencil hardness	≥ 4H	GB/T 6739
IZOD impact resistance (notched)	>3 KJ/m ² or >1.43 ft-lbs/in ²	ASTM D 256
Ball drop (12"x12") sheet, 60" drop	½ pound ball, pass	NEMA LD-3
Bacterial resistance	No growth	ASTM G22
Fungi resistance	No growth	ASTM G 21
Oxygen index	>35	JC 908
Flammability Flame spread Smoke density	Class A / Class 1 10 10	UBC 8-1 ASTM E 84 ASTM E 84

SECTION 09 30 00 TILING**Revised 03.09.2021****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Work includes labor, materials, appliances, tools, equipment, facilities, transportation, and services necessary for and incidental to performing operations in connection with furnishing, delivery and installation of the work of this Section, meeting current building codes and manufacturer's latest printed instructions, complete as shown on the drawings and/or specified herein.

1.02 REFERENCE STANDARDS

- A. ANSI A108/A118/A136 - American National Standard Specifications for the Installation of Ceramic Tile (Compendium); 2017.
- B. ANSI A108.5 - American National Standard Specifications for Installation of Ceramic Tile with Dry-Set Portland Cement Mortar or Latex-Portland Cement Mortar; 1999 (Reaffirmed 2010).
- C. ANSI A108.9 - American National Standard Specifications for Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout; 1999 (Reaffirmed 2010).
- D. ANSI A108.10 - American National Standard Specifications for Installation of Grout in Tilework; 1999 (Reaffirmed 2010).
- E. ANSI A108.13 - American National Standard for Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone; 2005 (Reaffirmed 2010).
- F. ANSI A118.1 - American National Standard Specifications for Dry-Set Cement Mortar; 2012 (Revised).
- G. ANSI A118.3 - American National Standard Specifications for Chemical Resistant, Water Cleanable Tile-Setting and -Grouting Epoxy and Water Cleanable Tile-Setting Epoxy Adhesive; 2013 (Revised).
- H. ANSI A118.4 - American National Standard Specifications for Modified Dry-Set Cement Mortar; 2012 (Revised).
- I. ANSI A118.6 - American National Standard Specifications for Standard Cement Grouts for Tile Installation; 2010 (Reaffirmed 2016).
- J. ANSI A118.10 - American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes For Thin-Set Ceramic Tile And Dimension Stone Installation; 2014.
- K. ANSI A118.12 - American National Standard Specifications for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation; 2014.
- L. ANSI A137.1 - American National Standard Specifications for Ceramic Tile; 2012.
- M. ASTM C150/C150M - Standard Specification for Portland Cement; 2018.
- N. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2016, with Editorial Revision (2016).
- O. ASTM C373 - Standard Test Methods for Determination of Water Absorption and Associated Properties by Vacuum Method for Pressed Ceramic Tiles and Glass Tiles and Boil Method for Extruded Ceramic Tiles and Non-tile Fired Ceramic Whiteware Products; 2017.
- P. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2017.
- Q. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2016a.

- R. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation; 2017.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by all affected installers.

1.04 SUBMITTALS

- A. See Section 01300 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.
- C. Shop Drawings: Indicate tile layout, patterns, color arrangement, perimeter conditions, junctions with dissimilar materials, control and expansion joints, thresholds, and setting details.
- D. Samples: Mount tile and apply grout on two plywood panels, minimum 18 by 18 inches in size illustrating pattern, color variations, and grout joint size variations.
- E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- F. Master Grade Certificate: Submit for each type of tile, signed by the tile manufacturer and tile installer.
- G. Maintenance Data: Include recommended cleaning methods, cleaning materials, and stain removal methods.
- H. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. Extra Tile: 1/2 of 1 percent of each size, color, and surface finish combination.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, with minimum five years of documented experience.
- B. Installer Qualifications: Company specializing in performing tile installation, with minimum of five years of documented experience.

1.06 MOCK-UP

- A. Construct tile mock-up where indicated on drawings, incorporating all components specified for the location.
 - 1. Minimum size of mock-up is 4 feet by 4 feet
 - 2. Approved mock-up may remain as part of the Work.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Protect adhesives from overheating in accordance with manufacturer's instructions.

1.08 FIELD CONDITIONS

- A. Maintain ambient and substrate temperature of 50 degrees F during installation of mortar materials.

PART 2 PRODUCTS

2.01 TILE (SEE FINISH SCHEDULE FOR MATERIAL SELECTIONS)

- A. Manufacturers: All products by the same manufacturer.
 - 1. American Olean Corporation: www.americanolean.com.
 - 2. Crossville; www.crossvilleinc.com
 - 3. Dal-Tile Corporation: www.daltile.com.
 - 4. Emser Tile, LLC: www.emser.com.
 - 5. Tectura Designs, a division of Wausau Tile Inc: www.tecturadesigns.com/#sle.
 - 6. Or, accepted equal.

- B. Porcelain Tile: ANSI A137.1, standard grade.
 - 1. Moisture Absorption: 0 to 0.5 percent as tested in accordance with ASTM C373.
 - 2. Color(s): As indicated on drawings.
 - 3. Trim Units: Matching bullnose, double bullnose, cove base, and cove shapes in sizes coordinated with field tile.

202 TRIM AND ACCESSORIES

- A. Non-Ceramic Trim: Satin natural anodized extruded aluminum, style and dimensions to suit application, for setting using tile mortar or adhesive.
 - 1. Applications:
 - a. Open edges of wall tile.
 - b. Wall corners, outside and inside.
 - c. Thresholds at door openings.
 - d. Expansion and control joints, floor and wall.
 - e. Borders and other trim as indicated on drawings.
 - 2. Manufacturers:
 - a. Schluter-Systems: www.schluter.com.
 - b. Genesis APS International: www.genesis-aps.com.
 - c. Or, accepted equal.
- B. Thresholds: Marble, white or gray, honed finish; 2 inches wide by full width of wall or frame opening; 1/2 inch thick; beveled one long edge with radiused corners on top side; without holes, cracks, or open seams.
 - 1. Applications:
 - a. At doorways where tile terminates.
 - b. At open edges of floor tile where adjacent finish is a different height.

203 SETTING MATERIALS

- A. Manufacturers:
 - 1. ARDEX Engineered Cements: www.ardexamericas.com/#sle.
 - 2. Bostik Inc: www.bostik-us.com.
 - 3. Custom Building Products: www.custombuildingproducts.com.
 - 4. LATICRETE International, Inc: www.laticrete.com/sle.
 - 5. Merkrete, by Parex USA, Inc: www.merkrete.com/sle.
 - 6. TEC, an H.B. Fuller Construction Products Brand: www.tecspecialty.com/#sle.
 - 7. Or, accepted equal.
- B. Latex-Portland Cement Mortar Bond Coat: ANSI A118.4.
 - 1. Applications: Use this type of bond coat where indicated.
 - 2. Products:
 - a. ARDEX Engineered Cements: www.ardexamericas.com/#sle.
 - b. Custom Building Products, with Multi-Surface Bonding Primer: www.custombuildingproducts.com.
 - c. Merkrete, by Parex USA, Inc: www.merkrete.com/sle.
 - d. TEC, an H.B. Fuller Construction Products Brand: www.tecspecialty.com/#sle.
 - e. Or, accepted equal.

204 GROUTS

- A. Manufacturers:
 - 1. ARDEX Engineered Cements: www.ardexamericas.com/#sle.
 - 2. Bostik Inc: www.bostik-us.com.
 - 3. Custom Building Products: www.custombuildingproducts.com.
 - 4. LATICRETE International, Inc: www.laticrete.com/#sle.
 - 5. Merkrete, by Parex USA, Inc: www.merkrete.com/sle.

6. TEC, an H.B. Fuller Construction Products Brand: www.tecspecialty.com/#sle.
 7. Or, accepted equal.
- B. Epoxy Grout: ANSI A118.3 chemical resistant and water-cleanable epoxygrout.
1. Color(s): As indicated on drawings.
 2. Products:
 - a. Basis of Design: Mapei "Kerapoxy"; www.mapei.com
 - b. ARDEX Engineered Cements: www.ardexamericas.com/#sle.
 - c. Custom Building Products: www.custombuildingproducts.com.
 - d. LATICRETE International, Inc: www.laticrete.com/#sle.
 - e. Merkrete, by Parex USA, Inc: www.merkrete.com/sle.
 - f. Stuart Dean Company, Inc: www.stuartdean.com.
 - g. TEC, an H.B. Fuller Construction Products Brand: www.tecspecialty.com/#sle.
 - h. Or, accepted equal.

205 WATER PROOFING AND CRACK ISOLATION MEMBRANE – Liquid Applied

- A. Waterproofing and Crack Isolation Membrane to be thin, cold applied, single component liquid and load bearing and UL GREENGUARD Gold certified. Reinforcing fabric to be non-woven rot-proof specifically intended for waterproofing membrane. Waterproofing Membrane to be non-toxic, non-flammable, and non-hazardous during storage, mixing, application and when cured. It shall be certified by IAPMO and ICC approved as a shower pan liner and shall also meet the following physical requirements:
- | | |
|--|--------------------------|
| 1. Hydrostatic Test (ASTM D4068): | Pass |
| 2. Elongation @ break (ASTM D751): | 20-30% |
| 3. System Crack Resistance (ANSI A118.12): | Pass (High) |
| 4. 7 day Tensile Strength (ANSI A118.10): | 265 psi (1.8 MPa) |
| 5. 7 day Shear Bond Strength (ANSI A118.10) | 200 psi (1.4 MPa) |
| 6. 28 Day Shear Bond Strength (ANSI A118.4): | 214 psi (1.48 – 2.4 MPa) |
| 7. Service Rating (TCNA/ASTM C627): | Extra Heavy |
| 8. VOC Content: | 2.39 g/L |
| 9. Total VOC Emissions: | ≤0.22 mg/m ³ |
- B. Install waterproofing and crack isolation membrane in compliance with current revisions of ANSI A108.1 (2.7 Waterproofing), ANSI A108.13, and ANSI A108.17. Review the installation and plan the application sequence. Follow manufacturer recommendations prior to application.
- C. Pre-Treat Cracks and Joints - Fill all substrate cracks, cold joints and control joints to a smooth finish using a latex-fortified thin-set. Alternatively, a liberal coat* of water-proofing applied with a paint brush or trowel may be used to fill in non-structural joints and cracks. Apply a liberal coat* of water-proofing approximately 8" (200mm) wide over substrate cracks, cold joints, and control joints using a paint brush or heavy napped paint roller.
- D. Pre-Treat Coves and Floor/Wall Intersections - Fill all substrate coves and floor/wall transitions to a smooth finish and changes in plane using a latex-fortified thin-set. Alternatively, a liberal coat* of water-proofing applied with a paint brush or trowel may be used to fill in cove joints and floor/wall transitions <1/8" (3mm) in width. Apply a liberal coat* of water-proofing approximately 8" (200mm) wide over substrate cracks, cold joints, and control joints using a paint brush or heavy napped paint roller.
- E. Pre-Treat Drains - Drains must be of the clamping ring type, with weepers as per ASME A112.6.3. Apply a liberal coat* of water-proofing around and over the bottom half of drain clamping ring. Cover with a second liberal coat of water-proofing. Install the top half of drain clamping ring.
- F. Pre-Treat Penetrations - Allow for a minimum 1/8" (3mm) space between drains, pipes, lights, or other penetrations and surrounding Ceramic tile, stone or brick. Pack any gaps around pipes, lights or other penetrations with a latex-fortified thin-set. Apply a liberal coat* of water-proofing around penetration opening. Bring water-proofing up to level of tile.

- G. Main Application - Allow any pre-treated areas to dry to the touch. Apply a liberal coat* of water-proofing with a paint brush or heavy napped roller over substrate including pre-treated areas and allow to dry to the touch. Install another liberal coat* of water-proofing over the first coat. Let the top coat of water-proofing dry to the touch approximately 1 – 2 hours at 70°F (21°C) and 50% RH. When the top coat has dried to the touch inspect the surface for pinholes, voids, thin spots or other defects. Water-proofing will dry to an olive green color when fully cured. Use additional water-proofing to seal any defects.
- H. Movement Joints - Apply a liberal coat of water-proofing, approximately 8" (200mm) wide over the areas.
- I. * Dry coat thickness is 20 – 30 mil (0.02 - 0.03" or 0.5 - 0.8mm); consumption per coat is approximately 0.01 gal/ft² (approx. 0.4 L/m²); coverage is approximately 100 ft² /gal (approx. 2.5 m² / L).
- J. Manufacturers:
 - a. LATICRETE International, Inc: www.laticrete.com/#sle.
 - b. Or, accepted equal.
- K. Product:
 - a. LATICRETE – HYDRO BAN
 - b. Or, accepted equal.

206 MAINTENANCE MATERIALS

- A. Tile Sealant: Gunnable, silicone, siliconized acrylic, or urethane sealant; moisture and mildew resistant type.
 - 1. Applications: Between tile and plumbing fixtures and at vertical tile inside corners.
 - 2. Color(s): Clear.

207 ACCESSORY MATERIALS

- A. Concrete Floor Slab Crack Isolation Membrane (slab on grade): Material complying with ANSI A118.12; not intended as waterproofing.
 - 1. Type: Peel-and-stick sheet.
 - 2. Thickness: 20 mils, maximum.
 - 3. Crack Resistance: No failure at 1/16 inch gap, minimum.
- B. Waterproofing Membrane at floors above grade: Specifically designed for bonding to cementitious substrate under thin-set tile; complying with ANSI A118.10.
 - 1. Crack Resistance: No failure at 1/16 inch gap, minimum; comply with ANSI A118.12.
 - 2. Peel-and-Stick Sheet Type:
 - a. Material: PVC sheet membrane, 40 mils, thick, minimum.
- C. Backer Board: Cementitious type complying with ANSI A118.9; high density, glass fiber reinforced, 1/2 inch thick; 2 inch wide coated glass fiber tape for joints and corners.
- D. Mesh Tape: 2 inch wide self-adhesive fiberglass mesh tape.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that sub-floor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.
- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.
- C. Verify that sub-floor surfaces are dust-free and free of substances that could impair bonding of setting materials to sub-floor surfaces.
- D. Verify that concrete sub-floor surfaces are ready for tile installation by testing for moisture emission rate and alkalinity; obtain instructions if test results are not within limits recommended by tile manufacturer and setting materials manufacturer.
- E. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

- A. Protect surrounding work from damage.
- B. Vacuum clean surfaces and damp clean.
- C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.
- D. Install backer board in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of setting material to a featheredge.

3.03 INSTALLATION - GENERAL

- A. Install tile and thresholds and grout in accordance with applicable requirements of ANSI A108.1a through ANSI A108.13, manufacturer's instructions, and TCNA (HB) recommendations.
- B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
- D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.
- E. Form internal angles square and external angles bullnosed.
- F. Install non-ceramic trim in accordance with manufacturer's instructions.
- G. Install thresholds where indicated.
- H. Sound tile after setting. Replace hollow sounding units.
- I. Keep control and expansion joints free of mortar, grout, and adhesive.
- J. Prior to grouting, allow installation to completely cure; minimum of 48 hours.
- K. Grout tile joints unless otherwise indicated. Use standard grout unless otherwise indicated.
- L. At changes in plane and tile-to-tile control joints, use tile sealant instead of grout, with either bond breaker tape or backer rod as appropriate to prevent three-sided bonding.

3.04 INSTALLATION - FLOORS - THIN-SET METHODS

- A. Over interior concrete substrates, install in accordance with TCNA (HB) Method F113, dry-set or latex-Portland cement bond coat, with standard grout, unless otherwise indicated.
 - 1. Use uncoupling membrane under all tile on grade only.
 - 2. Use waterproofing membrane on floors above grade, install in accordance with TCNA (HB) Method F122, with latex-Portland cement grout.

3.05 INSTALLATION - WALL TILE

- A. Over cementitious backer units on studs, install in accordance with TCNA (HB) Method W244, using membrane at toilet rooms.
- B. Over gypsum wallboard on metal studs install in accordance with TCNA (HB) Method W243, thin-set with dry-set or latex-Portland cement bond coat, unless otherwise indicated.
 - 1. Where waterproofing membrane is indicated, install in accordance with TCNA (HB) Method W222, one coat method.

3.06 CLEANING

- A. Clean tile and grout surfaces.

3.07 PROTECTION

- A. Do not permit traffic over finished floor surface for 4 days after installation.

END OF SECTION

SECTION 01504 CONSTRUCTION IDENTIFICATION SIGNS

Revised 8.12.2021

PART 1 GENERAL

1.01 REQUIREMENT INCLUDED

- A. Contractor shall erect and remove the temporary construction identification sign(s) in accordance with the contract documents and as directed by the MDAD Field Representative. MDAD will provide to the contractor the required temporary project sign for contractor installation and removal.

PART 2 PRODUCTS

- 2.02
 - A. Sign Face: 7/8 Inch thick (min.); exterior plywood. All edge sealed.
 - B. Supports: Pressure treated posts - min. size 4" x 4". Painted White
 - C. Hardware: Galvanized steel.
 - D. Paint: Background and lettering - Exterior grade, latex, gloss paint. Colors as directed.

PART 3 EXECUTION

- 3.01
 - A. Install where directed; minimum post embedment 36".
 - B. Thoroughly compact backfill in post holes.
 - C. Legend as per appended sheet.
 - D. Provide the sign of size, lettering types and sizes, and colors, etc. in full accordance with the Aviation standards for project signage.
 - E. At substantial completion, remove sign(s) and restore site to original or proposed condition.

MIA Public Restroom Modernization SOUTH Terminal
Project No. AA017C-2

AVIATION - THE ECONOMIC FOUNDATION OF MIAMI-DADE COUNTY

Miami International Public Restroom Modernization South Terminal – Group 2
EDP-AV-AA017C-2

The project consist of the renovation of 6 public restrooms with new walls, new toilet partitions, new restroom finishes, new flooring, wall tile, new ACT ceilings, vanity counter tops, accessories, plumbing, electrical systems, HVAC, fire sprinkler and emergency systems.

Daniella Levine Cava
Mayor
Board of County Commissioners

Rebecca Sosa
Chairwoman / Vice Chairwoman

Oliver G. Gilbert, III
District 1

Jean Monestine
District 2

Keon Hardemon
District 3

Sally A. Heyman
District 4

Eileen Higgins
District 5

Rebecca Sosa
District 6

Raquel A. Regalado
District 7

Danielle C. Higgins
District 8

Kionne L. McGhee
District 9

Javier D. Souto
District 10

Joe A. Martinez
District 11

Jose "Pepe" Diaz
District 12

Rene Garcia
District 13

Abigail Price-Williams
County Attorney
Lester Sola
Aviation Director



CONSTRUCTION IDENTIFICATION SIGNS
01504-2 OF 2

MIA Public Restroom Modernization SOUTH Terminal
Project No. AA017C-2

Contractor to request a digital official copy of the MIA logo from the Aviation project manager,
as required.

END OF SECTION

SECTION 08 11 13 HOLLOW METAL DOORS AND FRAMES

Revised 03.09.2021

PART 1 GENERAL**1.01 SECTION INCLUDES**

- A. Work includes labor, materials, appliances, tools, equipment, facilities, transportation, and services necessary for and incidental to performing operations in connection with furnishing, delivery and installation of the work of this Section, meeting current building codes and manufacturer's latest printed instructions, complete as shown on the drawings and/or specified herein.

1.02 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. ANSI/SDI A250.4 - Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors; 2011.
- C. ANSI/SDI A250.6 - Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames; 2003 (R2009).
- D. ANSI/SDI A250.8 - Specifications for Standard Steel Doors and Frames (SDI-100); 2014.
- E. ANSI/SDI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames; 2011.
- F. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2017.
- G. ASTM A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable; 2016.
- H. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2017.
- I. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2018.
- J. BHMA A156.115 - American National Standard for Hardware Preparation in Steel Doors and Steel Frames; 2016.
- K. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.
- L. NAAMM HMMA 840 - Guide Specifications for Installation and Storage of Hollow Metal Doors and Frames; 2007.
- M. NAAMM HMMA 861 - Guide Specifications for Commercial Hollow Metal Doors and Frames; 2014.
- N. SDI 117 - Manufacturing Tolerances for Standard Steel Doors and Frames; 2013.
- O. ASTM a167, type 304 for Stainless Steel Doors.
- P. NAAAMM HMMA 866 Guide Specifications for Stainless Steel Doors and Frames.

1.03 SUBMITTALS

- A. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes; and one copy of referenced standards/guidelines.
- B. Shop Drawings: Details of each opening, showing elevations, glazing, frame profiles, and any indicated finish requirements.
- C. Samples: Submit two samples of metal, 2 inch by 2 inch in size showing factory finishes, colors, and surface texture.

- D. Installation Instructions: Manufacturer's published instructions, including any special installation instructions relating to this project.
- E. Manufacturer's Certificate: Certification that products meet or exceed specified requirements.
- F. Manufacturer's Qualification Statement.
- G. Installer's Qualification Statement.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.
- C. Maintain at project site copies of reference standards relating to installation of products specified.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Comply with NAAMM HMMA 840 or ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
- B. Protect with resilient packaging; avoid humidity build-up under coverings; prevent corrosion and adverse effects on factory applied painted finish.

PART 2 PRODUCTS

201 MANUFACTURERS

- A. Hollow Metal Doors and Frames:
 1. Ceco Door, an Assa Abloy Group company: www.assaabloydss.com.
 2. Curries, an Assa Abloy Group company: www.assaabloydss.com.
 3. Fleming Door Products, an Assa Abloy Group company: www.assaabloydss.com.
 4. Republic Doors, an Allegion brand: www.republicdoor.com/#sle.
 5. Steelcraft, an Allegion brand: www.allegion.com/#sle.
 6. Or, accepted equal.

202 DESIGN CRITERIA

- A. Requirements for Hollow Metal Doors and Frames:
 1. Steel used for fabrication of doors and frames shall comply with one or more of the following requirements; Galvannealed steel conforming to ASTM A653/A653M, cold-rolled steel conforming to ASTM A1008/A1008M, or hot-rolled pickled and oiled (HRPO) steel conforming to ASTM A1011/A1011M, Commercial Steel (CS) Type B foreach.
 2. Accessibility: Comply with ICC A117.1 and ADA Standards.
 3. Zinc Coating for Typical Interior Locations: Provide metal components zinc-coated (galvanized) and/or zinc-iron alloy-coated (galvannealed) by the hot-dip process in accordance with ASTM A653/A653M, with manufacturer's standard coating thickness, unless noted otherwise for specific hollow metal doors and frames.
 - a. Based on SDI Standards: Provide at least A40/ZF120 (galvannealed) when necessary, coating not required for typical interior door applications, and at least A60/ZF180 (galvannealed) for corrosive locations.
- B. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with the specified requirements for each type; for instance, an exterior door that is also indicated as being sound-rated must comply with the requirements specified for exterior doors and for sound-rated doors; where two requirements conflict, comply with the most stringent.

203 HOLLOW METAL DOORS

- A. Door Finish: Factory primed and field finished.
- B. Interior Doors, Non-Fire Rated:
 - 1. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
 - a. Level 3 - Extra Heavy-duty.
 - b. Physical Performance Level A, 1,000,000 cycles; in accordance with ANSI/SDI A250.4.
 - c. Model 1 - Full Flush.
 - d. Door Face Metal Thickness: 18 gage, 0.042 inch, minimum.
 - 2. Door Thickness: 1-3/4 inch, nominal.
 - 3. Door Face Sheets: Flush.
 - 4. Stainless Steel Door Metal Thickness: 18 gage, 0.042 inch minimum, with vertical edge seams. All components made of stainless steel with Honeycomb door core.
 - 5. Stainless steel alloy: 304.

204 HOLLOW METAL FRAMES

- A. Comply with standards and/or custom guidelines as indicated for corresponding door in accordance with applicable door frame requirements.
- B. Frame Finish: Factory primed and field finished.
- C. Interior Door Frames, Non-Fire Rated: Face welded type.
 - 1. Terminated Stops: Provide at interior doors; closed end stop terminated 6 inch, maximum, above floor at 45 degree angle.
 - 2. Frame Metal Thickness: 16 gage, 0.053 inch, minimum.
 - 3. Stainless Steel Frame Metal Thickness: 16 gage, 0.053 inches minimum. All components made of stainless steel. Machine mitered corners factory welded with no visible seams. Anchors as required for installation.

205 FINISHES

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.

206 ACCESSORIES

- A. Silencers: Resilient rubber, fitted into drilled hole; provide three on strike side of single door, three on center mullion of pairs, and two on head of pairs without centermullions.

PART 3 EXECUTION**3.01 EXAMINATION**

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Verify that finished walls are in plane to ensure proper door alignment.

3.02 INSTALLATION

- A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.
- B. Fill door frames solid with grout.
- C. Coordinate frame anchor placement with wall construction.
- D. Door anchors shall be fully hidden and not visible at finish condition.
- E. Install door hardware as specified in Section 08 71 00.

3.03 TOLERANCES

- A. Clearances between Door and Frame: Comply with related requirements of specified frame standards or custom guidelines indicated in accordance with SDI 117 or NAAMM HMMA 861.
- B. Maximum Diagonal Distortion: 1/16 inch measured with straight edge, corner to corner.

3.04 ADJUSTING

- A. Adjust for smooth and balanced door movement.

3.05 DOOR SCHEDULE

- A. Refer to Door and Frame Schedule on the drawings.

END OF SECTION



8887 SOUTHWEST 131 STREET
MIAMI, FLORIDA 33176
3052333304 DESIGN@MATEU.COM

ARCHITECTURE INTERIOR DESIGN PLANNING

SEAL:

ARMANDO M. RIZO, AIA LEED AP
AR0008957

INITIAL ENGINEERS
MEP ENGINEERING CONSULTANT
7145 SW 42ND AVENUE
MIAMI, FL 33155

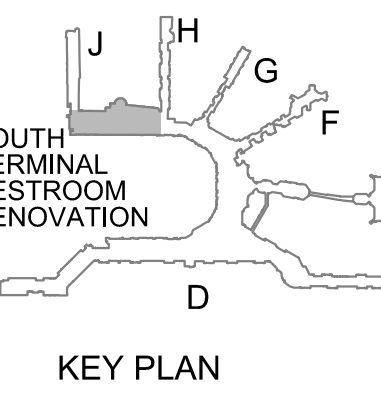
PROJECT MANAGER
ABEL OPORTO, AVIATION

M D A D
P O BOX 025504
MIAMI, FL 33102-5504



PSA CONTRACT ID.
E D P - AV - AA017C - 2

MIA PUBLIC RESTROOM MODERNIZATION SOUTH TERMINAL
SOUTH TERMINAL GROUP 2 (6 BR)



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PHASE
100% BID SET

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AA0017C-2 / MA 1911

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EM & RAG

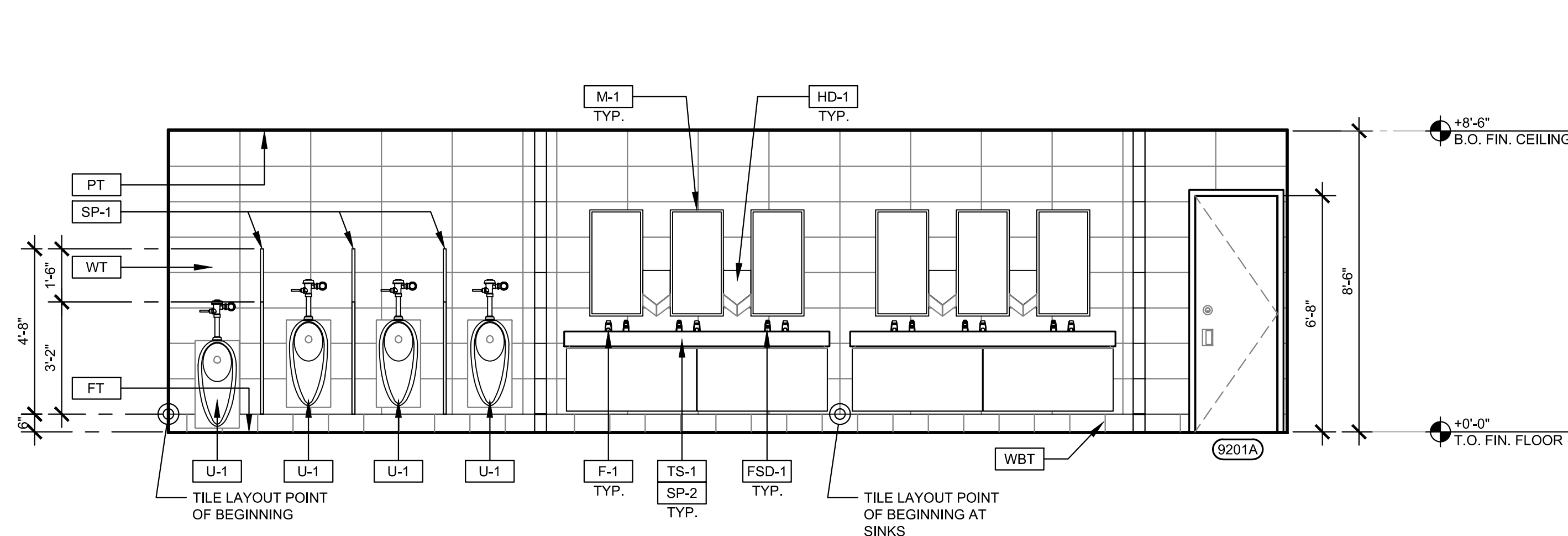
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ISSUE DATE:
DECEMBER 20, 2020

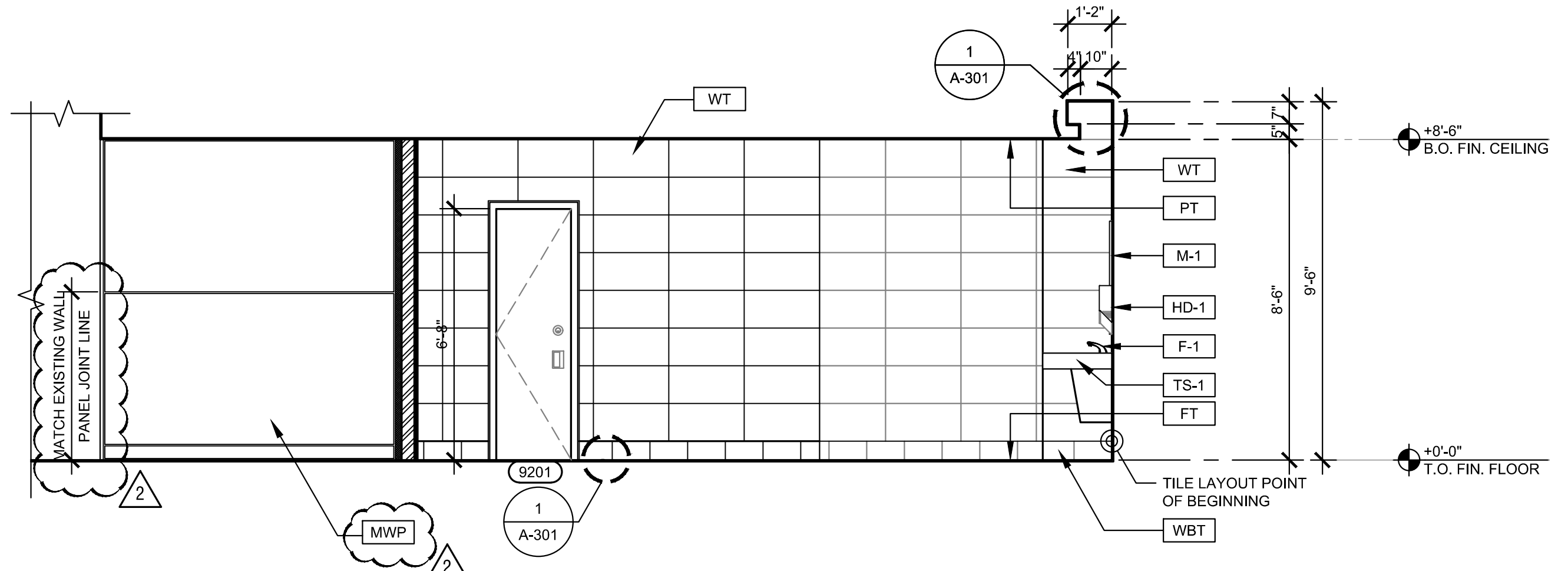
REVISIONS
△ BID REVISIONS 03.10.2021

SHEET TITLE
MEN'S RESTROOM RR9201 INTERIOR ELEVATIONS, FIXTURE SCHEDULE, NOTES

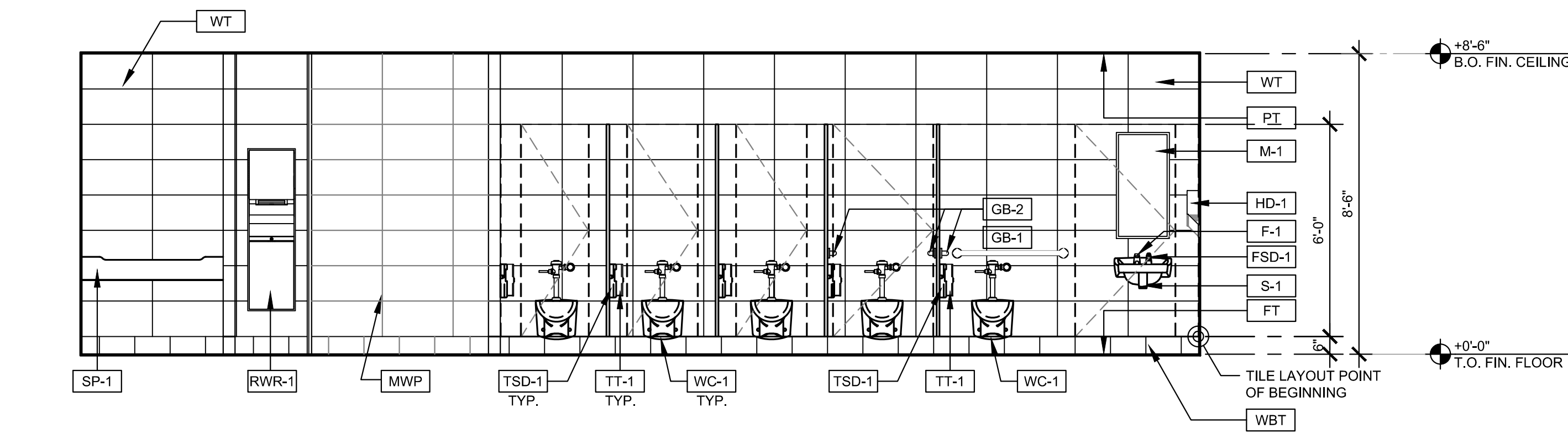
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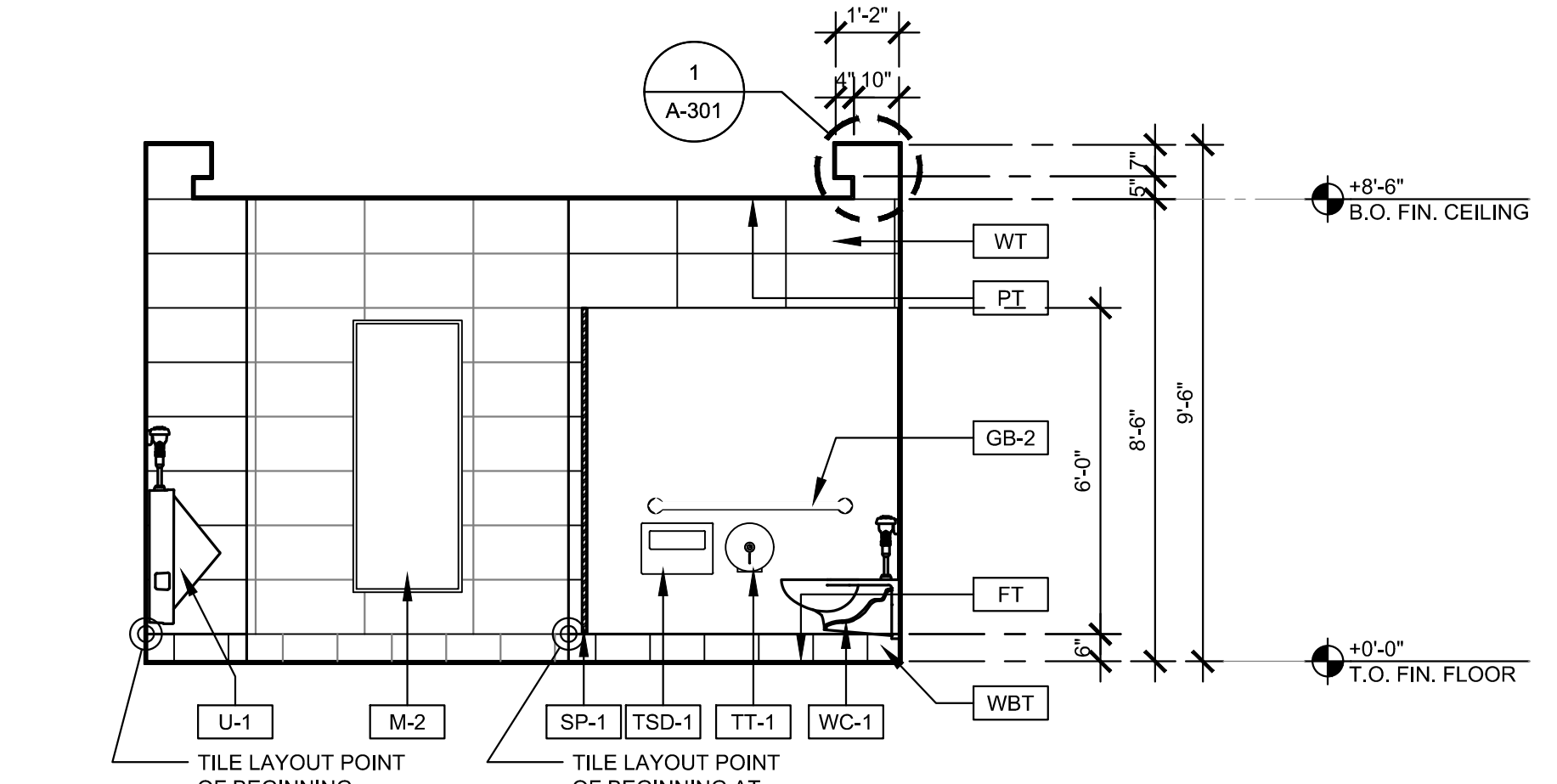
2 MEN'S RESTROOM RR9201 ELEVATION
SCALE: 3/8"=1'-0"



1 MEN'S RESTROOM RR9201 ELEVATION
SCALE: 3/8"=1'-0"



4 MEN'S RESTROOM RR9201 ELEVATION
SCALE: 3/8"=1'-0"



3 MEN'S RESTROOM RR9201 ELEVATION
SCALE: 3/8"=1'-0"

PLUMBING FIXTURES & ACCESSORIES SCHEDULE - NOTE - FOR ADDITIONAL PLUMBING FIXTURES INFO, REFER TO PLUMBING SHEET P-101				
MARK	DESCRIPTION	MANUFACTURER*	MODEL	TYPE COMMENTS
EWC-1	ELECTRIC WATER COOLER AND BOTTLE FILLING STATION	ELKAY-EZH20	LVRCL8WSK	NON-FILTERED, VANDAL RESISTANT, STAINLESS STEEL, REFRIGERATED
	WATER COOLER (EWC-1)	ELKAY-EZH20	LVRCL8WSC	INCLUDE FILTERS FOR STATION
	BOTTLE FILLER (EWC-1)	ELKAY-EZH20	LVRCS	INCLUDE FILTERS FOR BOTTLE FILLER
EWC-2	ELECTRIC WATER COOLER AND BOTTLE FILLING STATION	ELKAY-EZH20	VRCLR8WSK	NON-FILTERED, VANDAL RESISTANT, STAINLESS STEEL, REFRIGERATED
	ELECTRIC WATER COOLER (EWC-2)	ELKAY-EZH20	LVRCL8WSC	INCLUDE FILTERS FOR STATION
	BOTTLE FILLER (EWC-2)	ELKAY-EZH20	LVRCS	INCLUDE FILTERS FOR BOTTLE FILLER
F-1	FAUCET (0.5 GPM)	SLOAN	EBF-615	INCLUDED IN ESD-601-CP SLOAN-FAUCET AND SOAP COMBINATION, PROVIDE BELOW DECK THERMOSTATIC MIXING VALVE
FSD-1	FOAM SOAP DISPENSER	SLOAN	ESD-600	INCLUDED IN ESD-601-CP SLOAN-FAUCET AND SOAP COMBINATION, USE SLOAN MIX-101-A TRIM PLATE WHEN INSTALLING ON SINK "S-1"
GB-1	GRAB BAR - 36 INCHES	BOBRICK	B-6806x36	
GB-2	GRAB BAR - 42 INCHES	BOBRICK	B-6806x42	
HD-1	HAND DRYER	DYSON	VAB12 - NICKEL	
IEWH	INSTANT ELECTRIC WATER HEATER			REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
M-1	FRAME MIRROR	BOBRICK	B-290 1836	
M-2	FRAME MIRROR	BOBRICK	B-290 2460	
NTD	SURFACE-MOUNTED SANITARY NAPKIN/TAMPON DISPOSAL	BOBRICK	B-270	
RH-1	ROBE HOOK	BOBRICK	B-233	
RWR-1	RECESSED WASTE RECEPTACLE	BOBRICK	B-39747	SS RECESSED TOWEL DISPENSER AND WASTE RECEPTACLE

*OR APPROVED EQUAL

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TS-1	DESIGNER SERIES TRIPLE STATION GRADIENT BASIN LAVATORY	SLOAN	DSG-8300	DUPONT GLACIER ICE WITH STAINLESS STEEL SHROUD, TWO SLOAN FLUSH RETRACTABLE CHARCOAL 50 POUNDS PURSE HOOKS
TSD-1	TOILET SEAT COVER DISPENSER	BOBRICK	B-4221	STAINLESS
TT-1	SURFACE MOUNTED SINGLE JUMBO-ROLL TOILET TISSUE DISPENSER	BOBRICK	B-2890	STAINLESS
U-1	URINAL - ADA	KOHLER	K-5244-ET	FLUSH VALVE - SLOAN ROYAL 186 SFSM-0.125 CODE No. 3912748
WC-1	WATER CLOSET, 1.28 GPF, ADA	AMERICAN STANDARD	3351.101	FLUSH VALVE - SLOAN ROYAL 111 SFSM-1.28 CODE No. 3910276 ADJUSTABLE FIXTURE SUPPORT - JAY R. SMITH 0230Y-M54-XK VERTICAL FITTINGS BARIATRIC DUTY - 1,000 LBS.

*OR APPROVED EQUAL

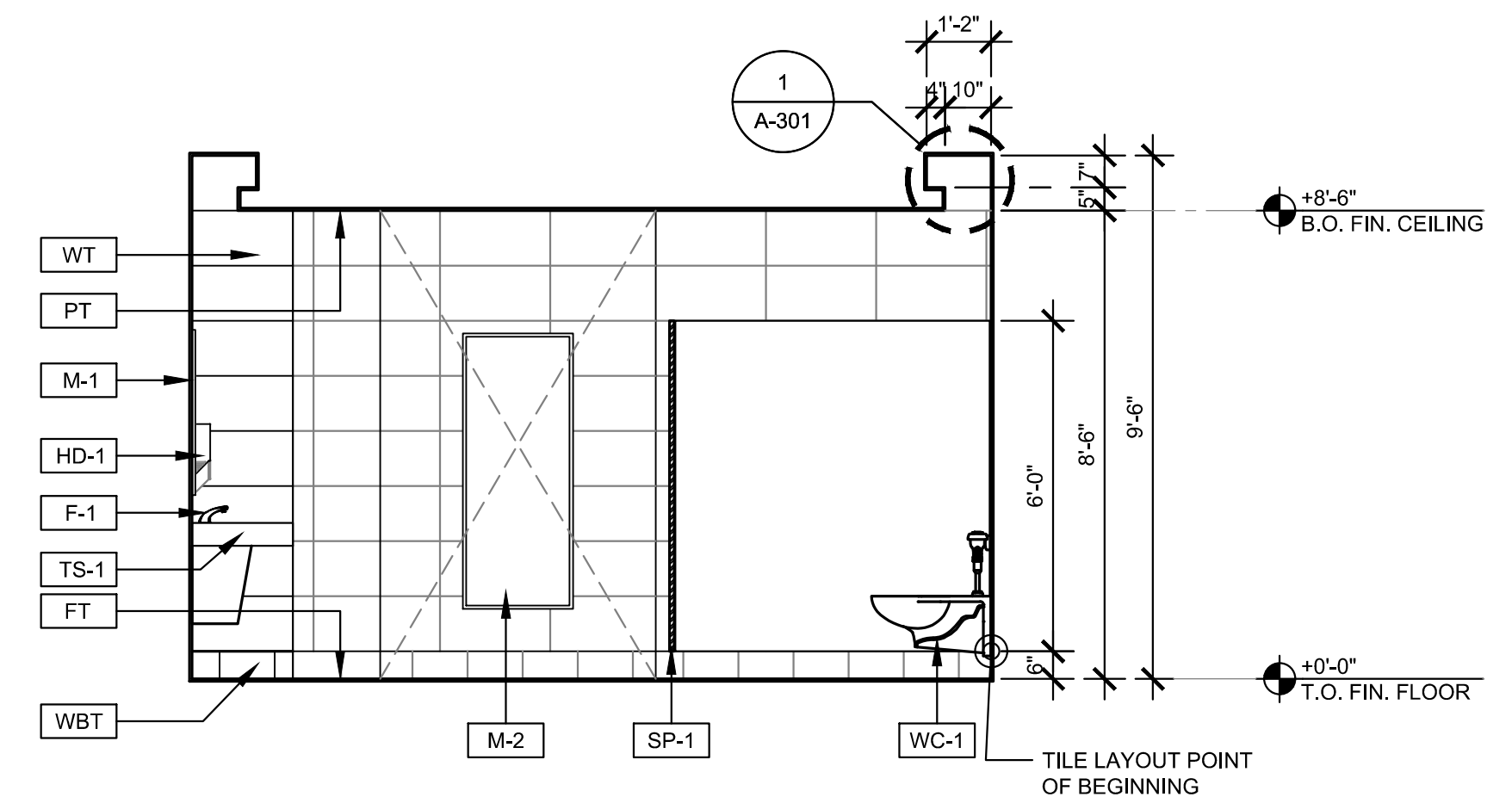
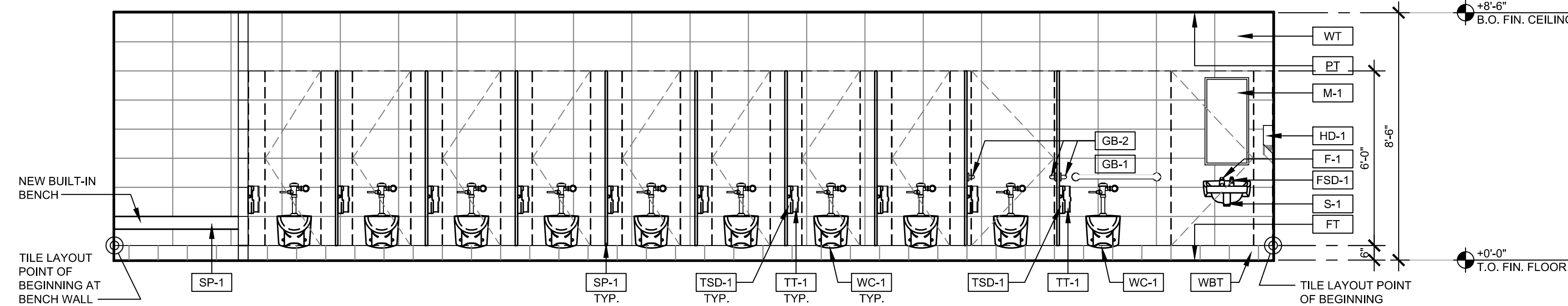
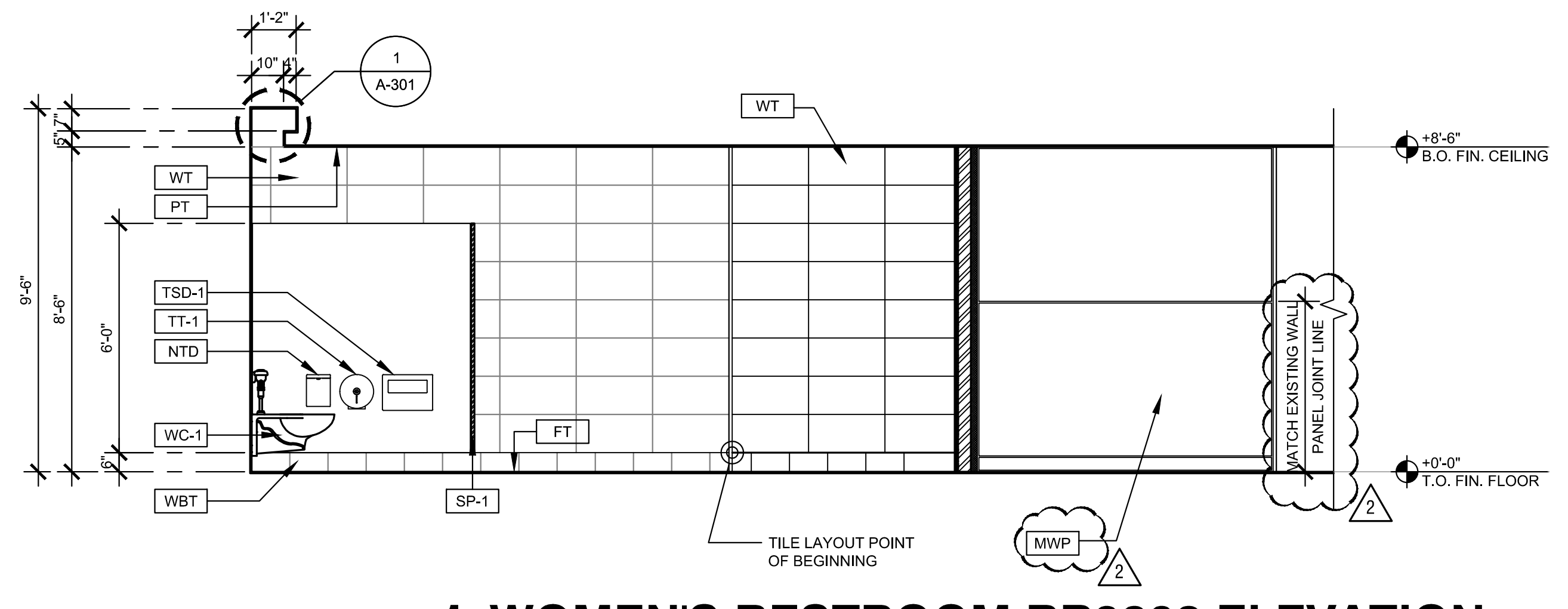
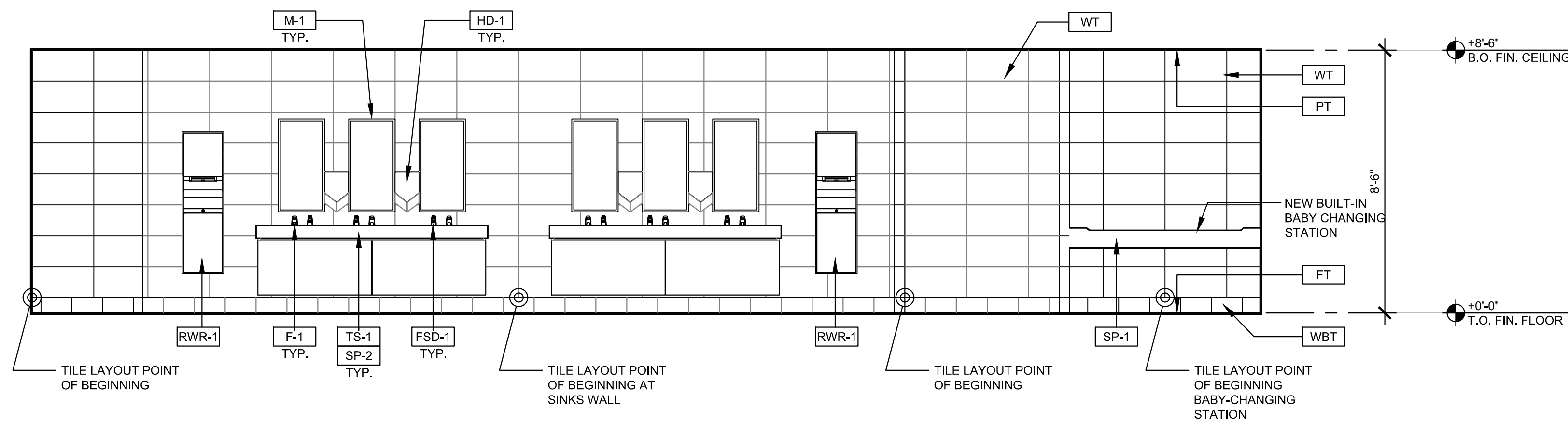
PLUMBING NOTES:

- PROVIDE EXTRA SPARE PARTS FOR ALL PLUMBING FIXTURES TO COMPLY WITH DGM 224213.16, SECTION 2-4
- CONTRACTOR TO VERIFY AND COORDINATE DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION
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FINISH NOTES:

- PROVIDE EXTRA WALL, FLOOR AND BASE TILES. QUANTITY TO BE 15% MIN. OF THE TILED AREA OF EACH RESTROOM IN PROJECT
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- REFER TO SHEET A-501 FINISH SCHEDULE AND NOTES FOR ADDITIONAL FINISHES INFORMATION

NOTE: SEE SHEET G-004 FOR ALL PLUMBING FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES



PLUMBING FIXTURES & ACCESSORIES SCHEDULE - NOTE - FOR ADDITIONAL PLUMBING FIXTURES INFO, REFER TO PLUMBING SHEET P-101				
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	ELECTRIC WATER COOLER (EWC-2)	ELKAY-EZH20	LVRCL8WSC	INCLUDE FILTERS FOR STATION
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FINISH NOTES:

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NOTE: SEE SHEET G-004 FOR ALL PLUMBING FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES

#2600522



8887 SOUTHWEST 131 STREET
MIAMI, FLORIDA 33176
3052333304 DESIGN@MATEU.CO

ARCHITECTURE INTERIOR DESIGN PLANNING
SEAL:

ARMANDO M. RIZO, AIA LEED AP
AR0008957

INITIAL ENGINEERS
MEP ENGINEERING CONSULTANT
7145 SW 42ND AVENUE
MIAMI, FL 33155

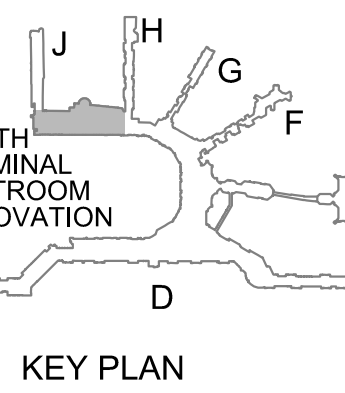
PROJECT MANAGER
ABEL OPORTO, AVIATION

M D A D
P O BOX 025504
MIAMI, FL 33102-5504



PSA CONTRACT ID.
E D P - AV - AA017C - 2

MIA PUBLIC RESTROOM MODERNIZATION SOUTH TERMINAL
SOUTH TERMINAL GROUP 2 (6 BR)



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PHASE
100% BID SET

FILE NAME:
M1511103SHEETARCHA-202.dwg

PROJECT NO:
AA0017C-2 / MA 1911

DRAWN BY:
EM & RAG

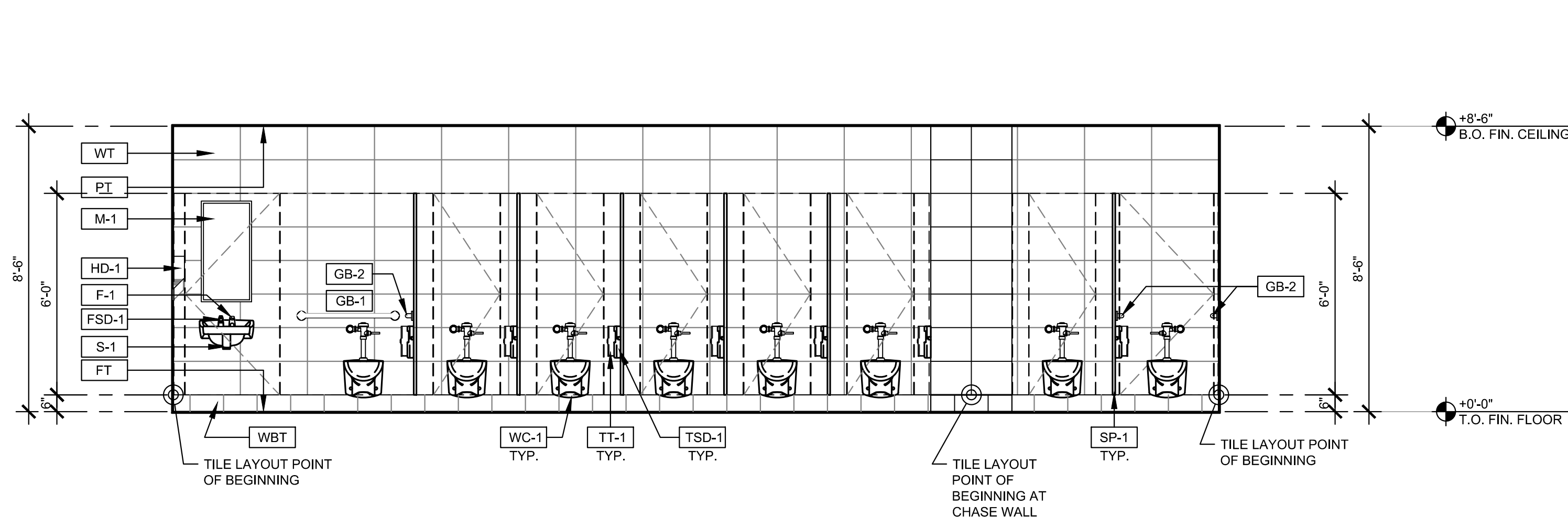
CHECKED BY:
AMR

ISSUE DATE:
DECEMBER 20, 2020

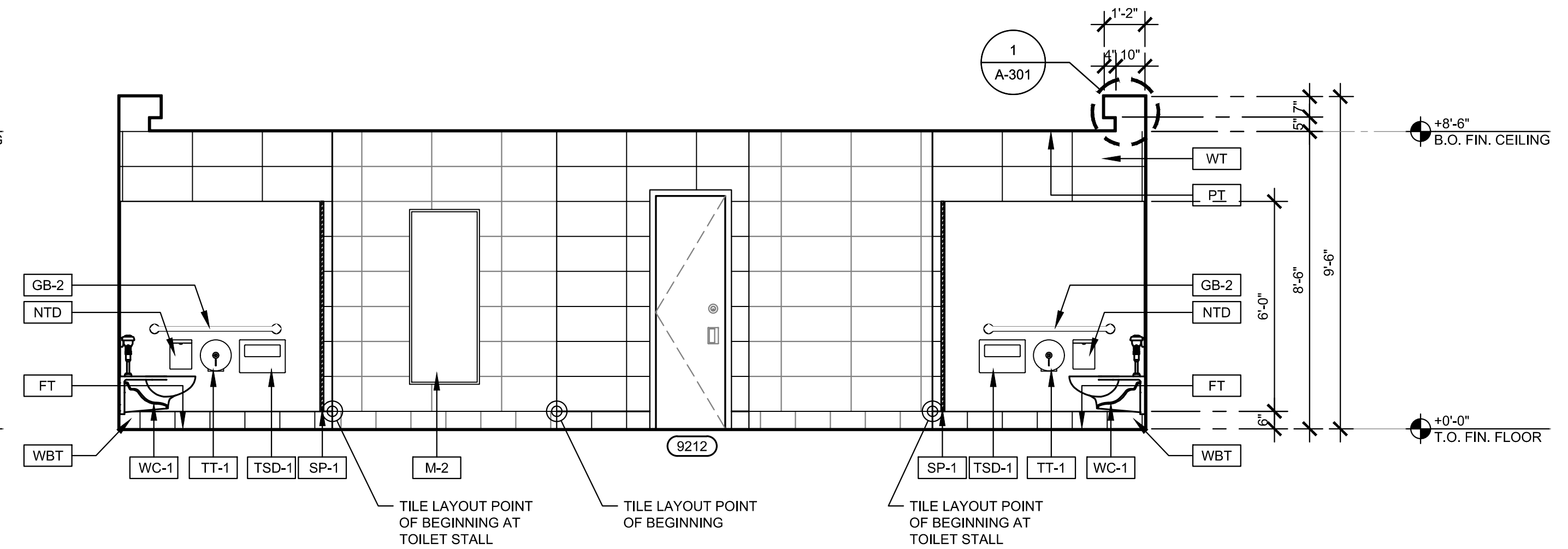
REVISIONS
△ BID REVISIONS 03.10.2021

SHEET TITLE
WOMEN'S RESTROOM RR9202
INTERIOR ELEVATIONS,
FIXTURE SCHEDULE, NOTES

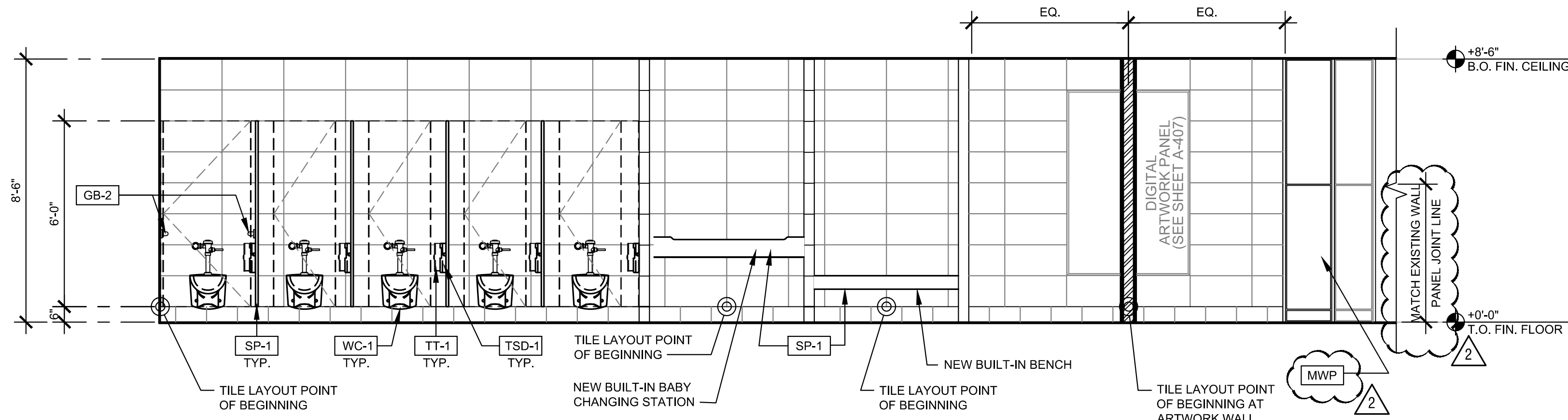
SHEET:
A-202



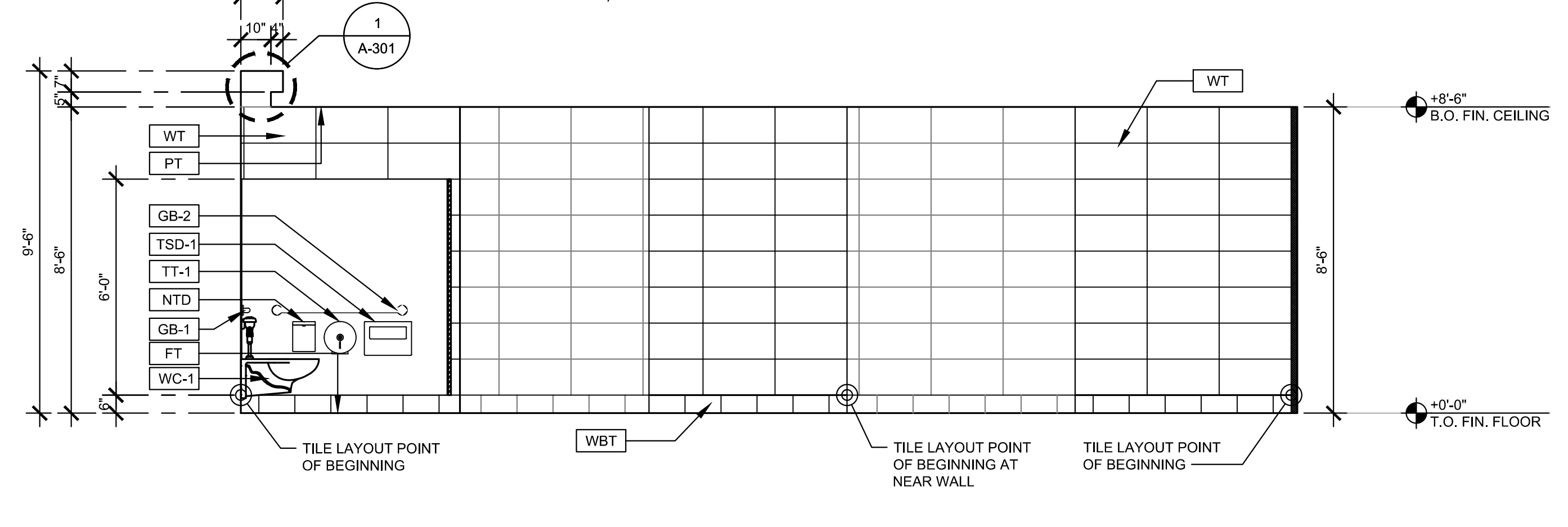
2 WOMEN'S RESTROOM RR9212 ELEVATION
SCALE: 3/8"=1'-0"



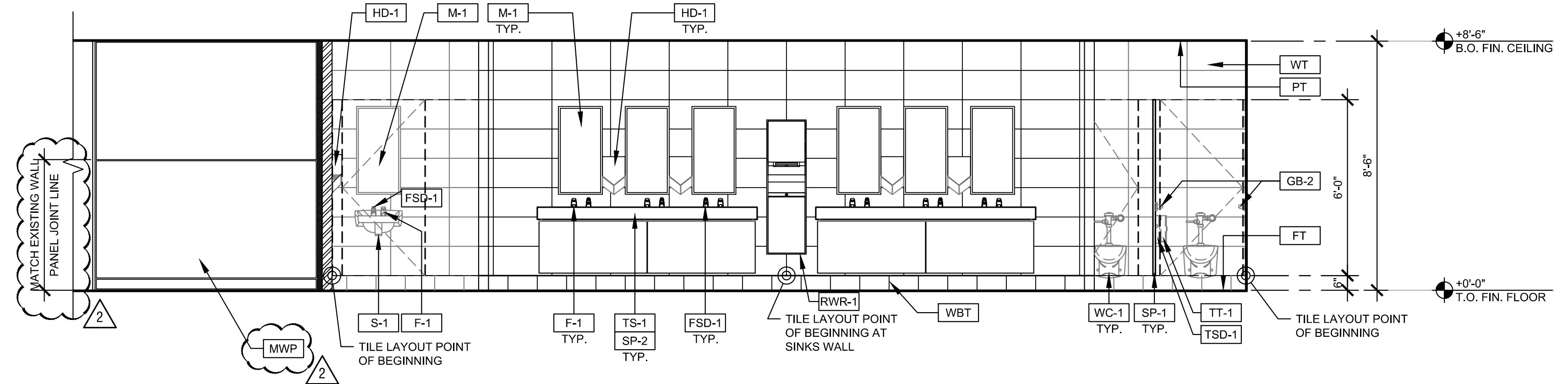
1 WOMEN'S RESTROOM RR9212 ELEVATION
SCALE: 3/8"=1'-0"



4 WOMEN'S RESTROOM RR9212 ELEVATION
SCALE: 3/8"=1'-0"



3 WOMEN'S RESTROOM RR9212 ELEVATION
SCALE: 3/8"=1'-0"



5 WOMEN'S RESTROOM RR9212 ELEVATION
SCALE: 3/8"=1'-0"

PLUMBING FIXTURES & ACCESSORIES SCHEDULE - NOTE - FOR ADDITIONAL PLUMBING FIXTURES INFO, REFER TO PLUMBING SHEET P-101				
MARK	DESCRIPTION	MANUFACTURER*	MODEL	TYPE COMMENTS
EW-1	ELECTRIC WATER COOLER AND BOTTLE FILLING STATION	ELKAY-EZH20	LVRCL8WSK	NON-FILTERED, VANDAL RESISTANT, STAINLESS STEEL, REFRIGERATED
	WATER COOLER (EWC-1)	ELKAY-EZH20	LVRCL8WSC	INCLUDE FILTERS FOR STATION
	BOTTLE FILLER (EWC-1)	ELKAY-EZH20	LVRCS	INCLUDE FILTERS FOR BOTTLE FILLER
EW-2	ELECTRIC WATER COOLER AND BOTTLE FILLING STATION	ELKAY-EZH20	VRCL8WSK	NON-FILTERED, VANDAL RESISTANT, STAINLESS STEEL, REFRIGERATED
	ELECTRIC WATER COOLER (EWC-2)	ELKAY-EZH20	LVRCL8WSC	INCLUDE FILTERS FOR STATION
	BOTTLE FILLER (EWC-2)	ELKAY-EZH20	LVRCS	INCLUDE FILTERS FOR BOTTLE FILLER
F-1	FAUCET (0.5 GPM)	SLOAN	EBF-615	INCLUDED IN ESD-601-CP SLOAN-FAUCET AND SOAP COMBINATION, PROVIDE BELOW DECK THERMOSTATIC MIXING VALVE
FSD-1	FOAM SOAP DISPENSER	SLOAN	ESD-600	INCLUDED IN ESD-601-CP SLOAN-FAUCET AND SOAP COMBINATION, USE SLOAN MIX-101-A TRIM PLATE WHEN INSTALLING ON SINK "S-1"
GB-1	GRAB BAR - 36 INCHES	BOBRICK	B-6806x36	
GB-2	GRAB BAR - 42 INCHES	BOBRICK	B-6806x42	
HD-1	HAND DRYER	DYSON	DYSON AIRBLADE V AB12 - NICKEL	
IEWH	INSTANT ELECTRIC WATER HEATER			REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
M-1	FRAME MIRROR	BOBRICK	B-290 1836	
M-2	FRAME MIRROR	BOBRICK	B-290 2460	
NTD	SURFACE-MOUNTED SANITARY NAPKIN/TAMPON DISPOSAL	BOBRICK	B-270	
RH-1	ROBE HOOK	BOBRICK	B-233	
RWR-1	RECESSED WASTE RECEPTACLE	BOBRICK	B-39747	SS RECESSED TOWEL DISPENSER AND WASTE RECEPTACLE

*OR APPROVED EQUAL

PLUMBING FIXTURES & ACCESSORIES SCHEDULE - NOTE - FOR ADDITIONAL PLUMBING FIXTURES INFO, REFER TO PLUMBING SHEET P-101			
MARK	DESCRIPTION	MANUFACTURER*	TYPE COMMENTS
S-1	WALL MOUNTED BATHROOM SINK - ADA	KOHLER	K-1728-0
TS-1	DESIGNER SERIES TRIPLE STATION GRADIENT BASIN LAVATORY	SLOAN	DSG-8300
TSD-1	TOILET SEAT COVER DISPENSER	BOBRICK	B-4221
TT-1	SURFACE MOUNTED SINGLE JUMBO-ROLL TOILET TISSUE DISPENSER	BOBRICK	B-2890
U-1	URINAL - ADA	KOHLER	K-5244-ET
WC-1	WATER CLOSET, 1.28 GPF, ADA	AMERICAN STANDARD	3351.101

*OR APPROVED EQUAL

PLUMBING NOTES:

- PROVIDE EXTRA SPARE PARTS FOR ALL PLUMBING FIXTURES TO COMPLY WITH DGM 224213.16, SECTION 2-4.
- CONTRACTOR TO VERIFY AND COORDINATE DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION.
- CONTRACTOR TO PROVIDE BLOCKING AND BRACING IN WALLS TO SUPPORT ALL FIXTURES AS REQUIRED BY MANUFACTURER'S SPECIFICATIONS, BY THE LATEST F.B.C. AND BY MDAD DESIGN GUIDELINES, TYP.
- ALL BATHROOM FIXTURES, ACCESSORIES AND FINISHES ARE AS SCHEDULED, TYP.

FINISH NOTES:

- PROVIDE EXTRA WALL, FLOOR AND BASE TILES. QUANTITY TO BE 15% MIN. OF THE TILED AREA OF EACH RESTROOM IN PROJECT.
- CONTRACTOR TO VERIFY AND COORDINATE DIMENSIONS IN FIELD PRIOR TO FABRICATION AND INSTALLATION. CONTRACTOR TO PROVIDE BLOCKING AND BRACING IN WALLS TO SUPPORT ALL FIXTURES AS REQUIRED BY MANUFACTURER'S SPECIFICATIONS, BY THE LATEST F.B.C. AND BY MDAD DESIGN GUIDELINES, TYP.
- USE DUROCK CEMENT BOARD PRODUCTS AT ALL TILED RESTROOM WALLS AND FLOAT TO A VERTICALLY LEVEL COMPOUND SURFACE READY FOR TILE INSTALLATION, TYP.
- ALL BATHROOM FIXTURES, ACCESSORIES AND FINISHES ARE AS SCHEDULED, TYP.
- REFER TO SHEET A-501 FINISH SCHEDULE AND NOTES FOR ADDITIONAL FINISHES INFORMATION.

NOTE: SEE SHEET G-004 FOR ALL PLUMBING FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND CLEARANCES

#26000522



8887 SOUTHWEST 131 STREET
MIAMI, FLORIDA 33176
3052333304 DESIGN@MATEU.COM

ARCHITECTURE INTERIOR DESIGN PLANNING
SEAL:

ARMANDO M. RIZO, AIA LEED AP
AR0008957

INITIAL ENGINEERS
MEP ENGINEERING CONSULTANT
7145 SW 42ND AVENUE
MIAMI, FL 33155

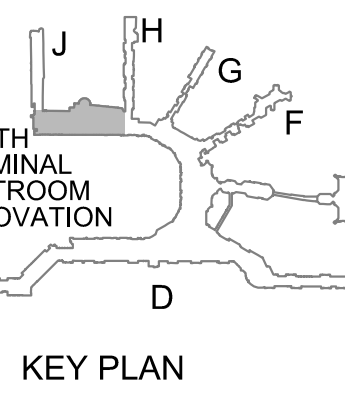
PROJECT MANAGER
ABEL OPORTO, AVIATION

MDAD
P O BOX 025504
MIAMI, FL 33102-5504



PSA CONTRACT ID.
E D P - AV - AA017C - 2

MIA PUBLIC RESTROOM MODERNIZATION SOUTH TERMINAL
SOUTH TERMINAL RESTROOM GROUP 2 (6 BR)



KEY PLAN

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PHASE
100% BID SET

FILE NAME:
M1511103SHEETARCHA-204.dwg

PROJECT NO.
AA0017C-2 / MA 1911

DRAWN BY:
EM & RAG

CHECKED BY:
AMR

ISSUE DATE:
DECEMBER 20, 2020

REVISIONS
△ BID REVISIONS 03.10.2021

SHEET TITLE
WOMEN'S RESTROOM RR9212
INTERIOR ELEVATIONS,
FIXTURE SCHEDULE, NOTES

SHEET:
A-204



8887 SOUTHWEST 131 STREET
MIAMI, FLORIDA 33176
3052333304 DESIGN@MATEU.CO

ARCHITECTURE INTERIOR DESIGN PLANNING
SEAL:

ARMANDO M. RIZO, AIA LEED AP
AR0008957

INITIAL ENGINEERS
MEP ENGINEERING CONSULTANT
7145 SW 42ND AVENUE
MIAMI, FL 33155

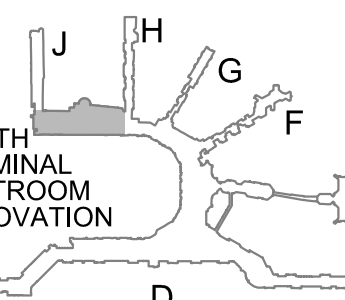
PROJECT MANAGER
ABEL OPORTO, AVIATION

M D A D
P O BOX 025504
MIAMI, FL 33102-5504



PSA CONTRACT ID.
E D P - A V - A A 017 C - 2

MIA PUBLIC RESTROOM MODERNIZATION SOUTH TERMINAL
SOUTH TERMINAL GROUP 2 (6 BR)



KEY PLAN

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PHASE
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PROJECT NO.
A A 017 C - 2 / MA 1911

DRAWN BY:
EM & RAG

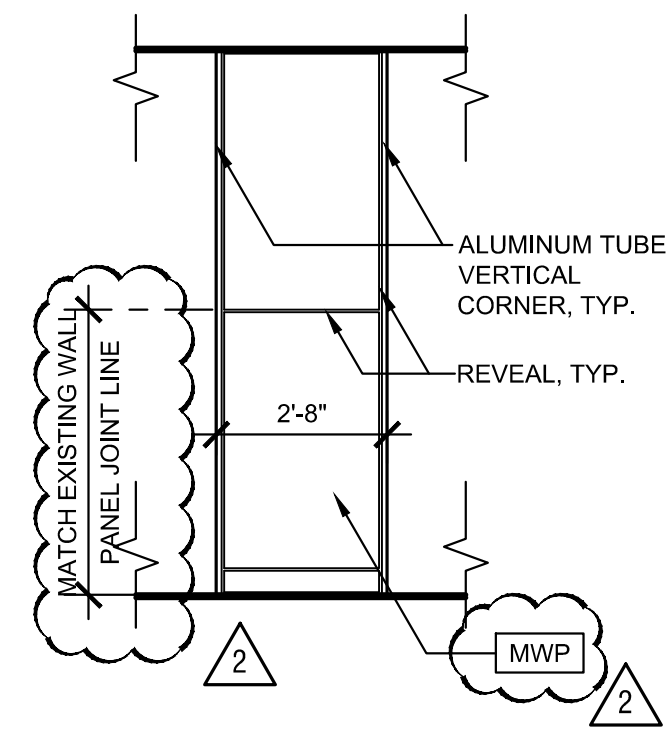
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AMR

ISSUE DATE:
DECEMBER 20, 2020

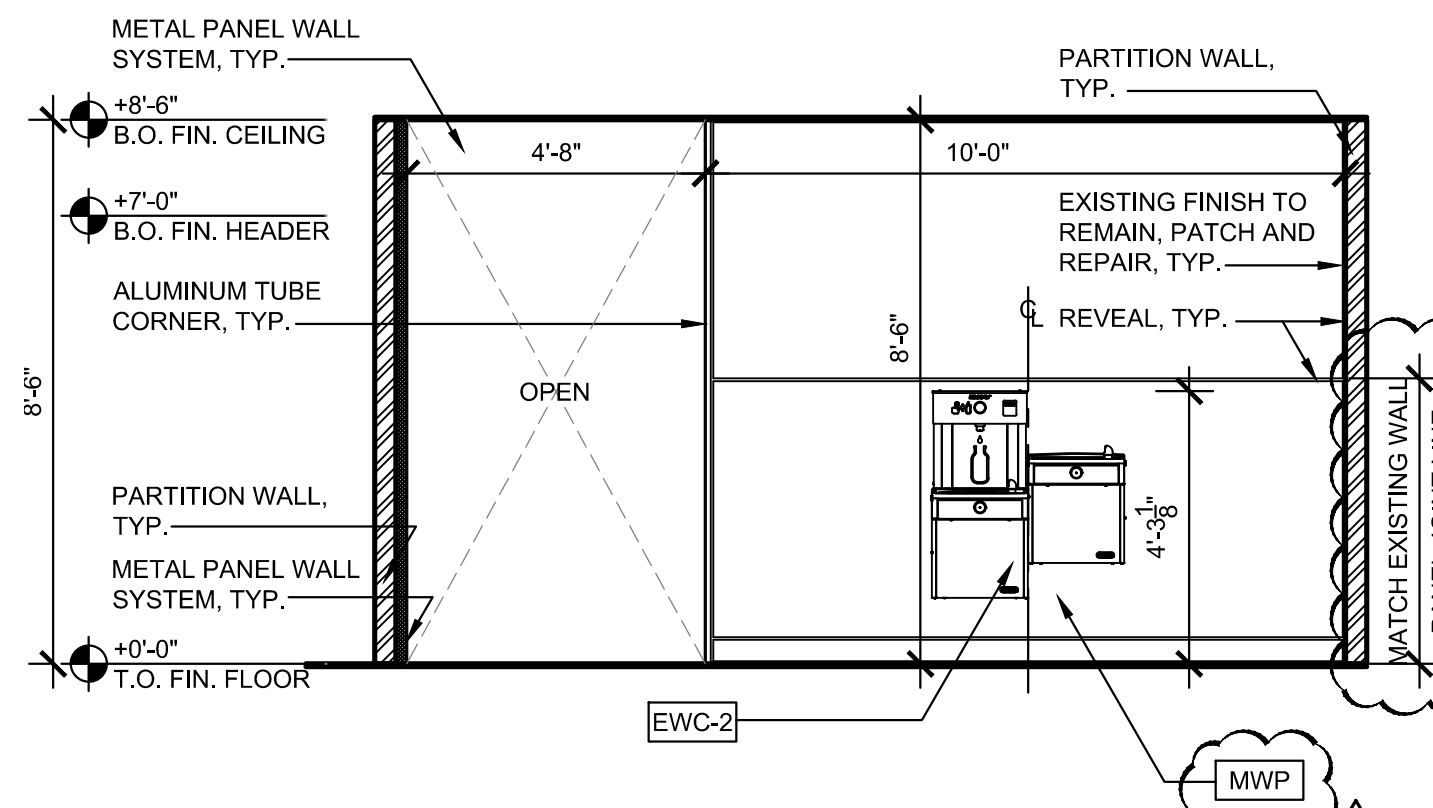
REVISIONS
▲ BID REVISIONS 03.10.2021

SHEET TITLE
ENTRY VESTIBULES
INTERIOR ELEV. & KEY
PLANS, FIXTURE SCHEDULE

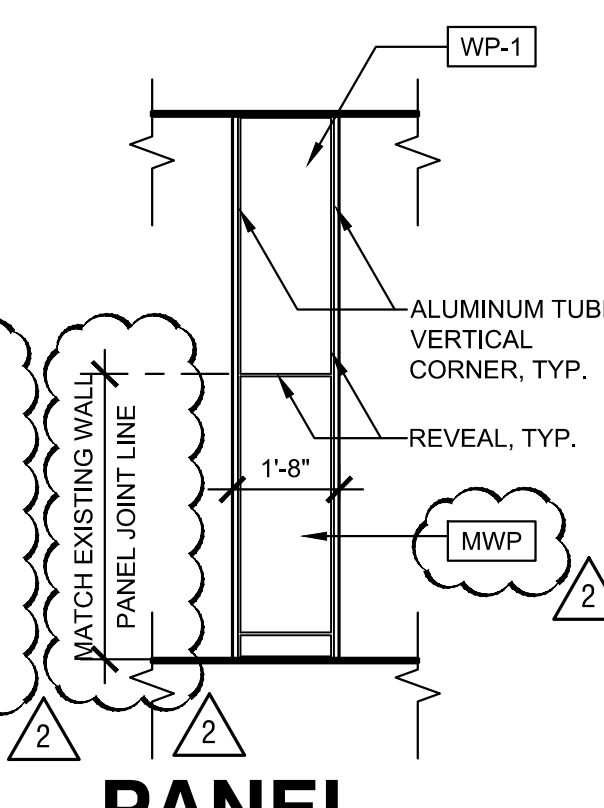
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A-206



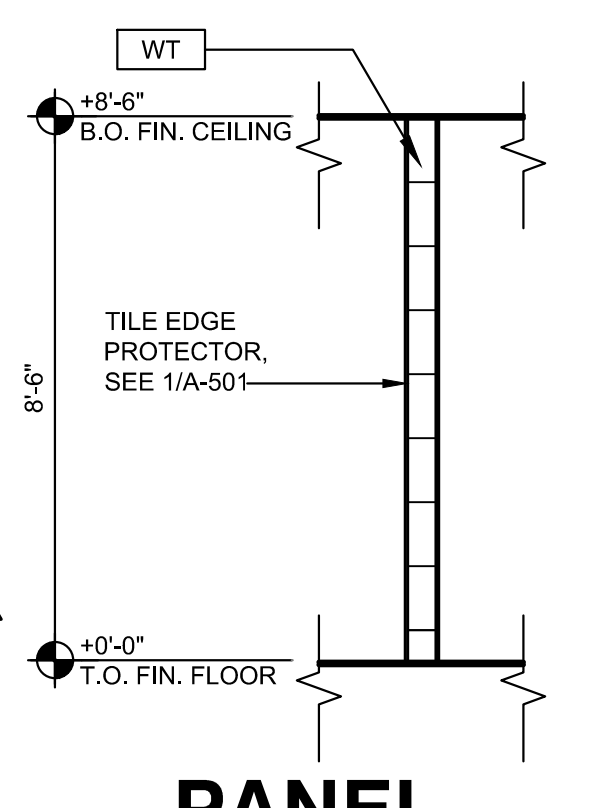
6 PANEL ELEVATION
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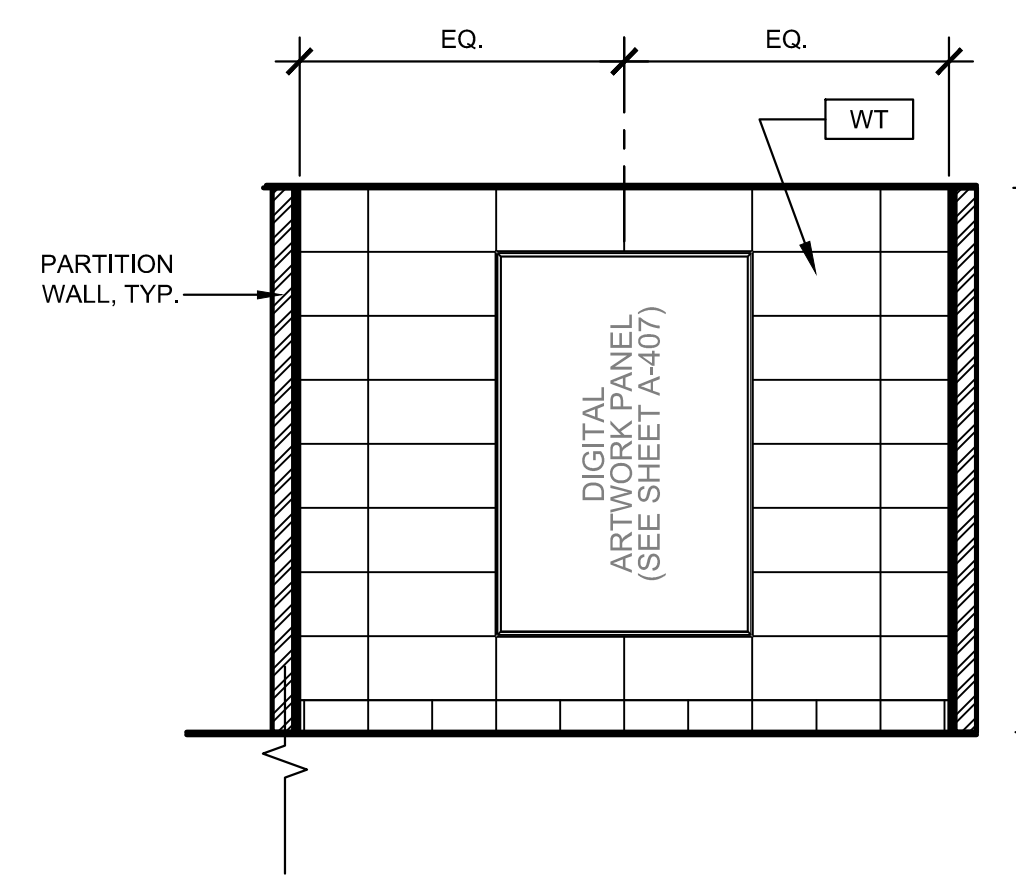
5 PANEL ELEVATION
SCALE: 3/8"=1'-0"



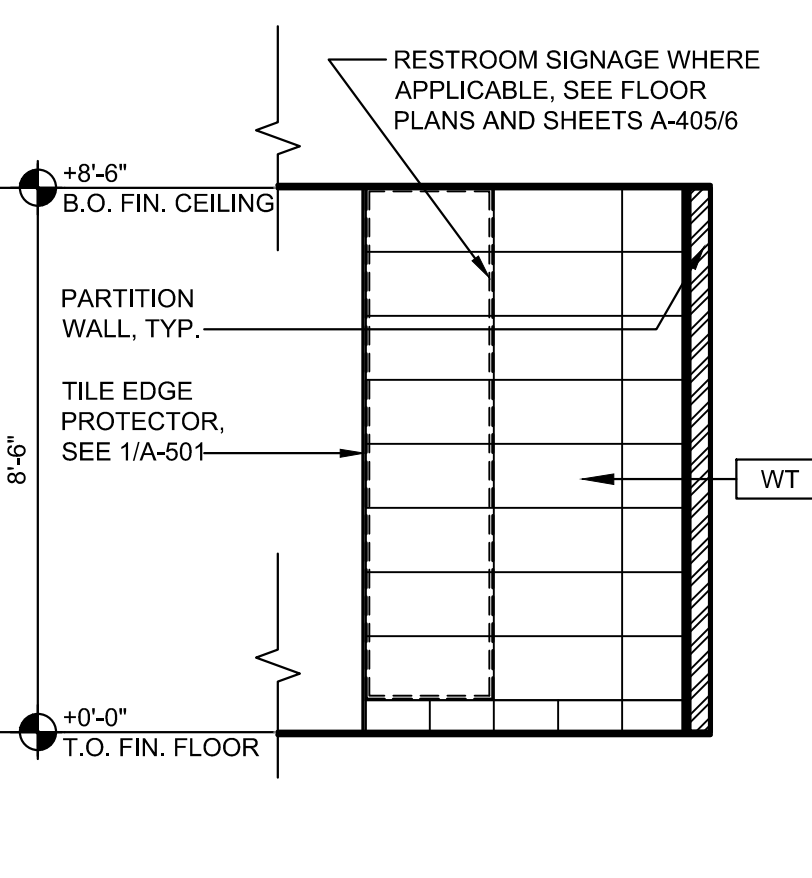
4 PANEL ELEVATION
SCALE: 3/8"=1'-0"



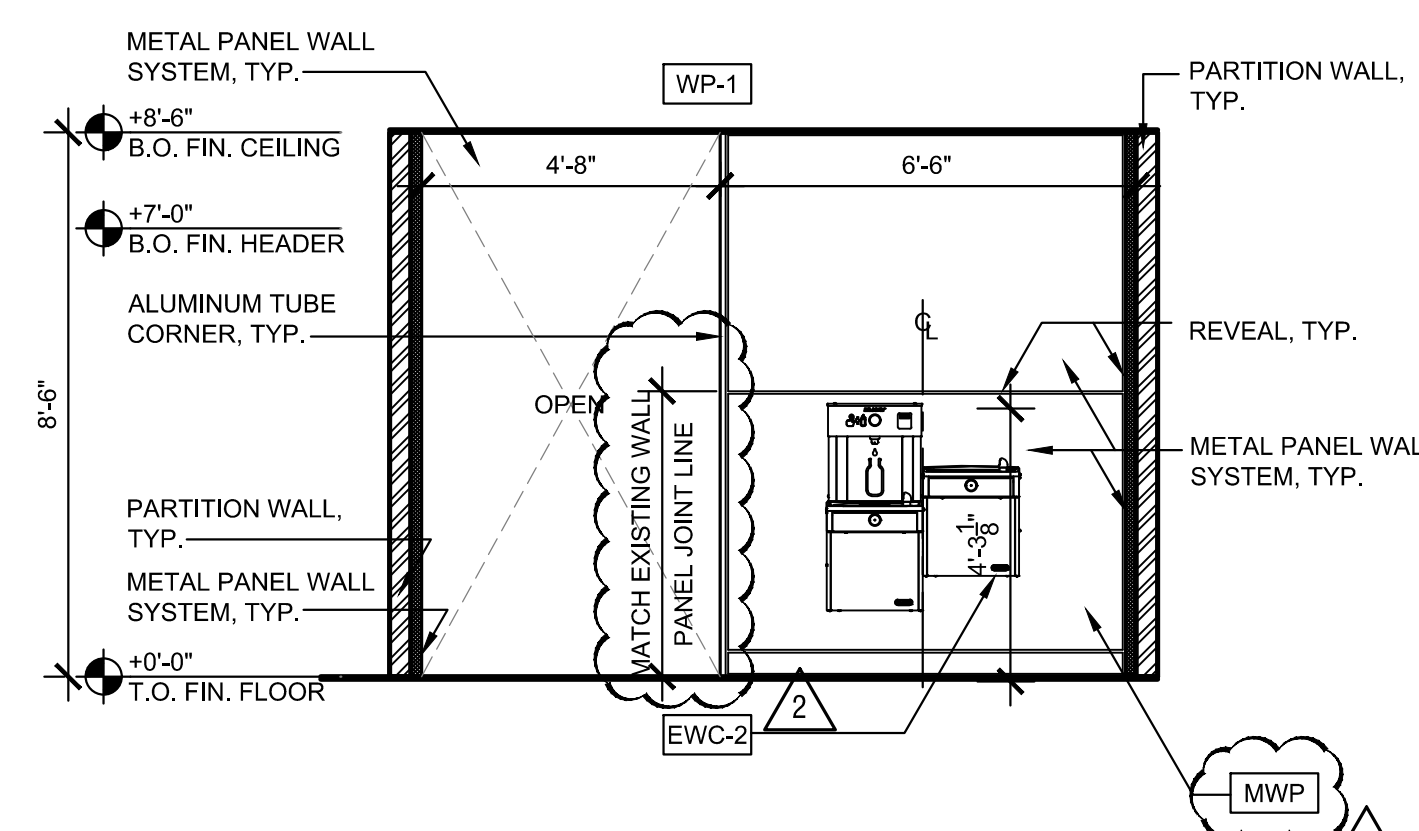
3 PANEL ELEVATION
SCALE: 3/8"=1'-0"



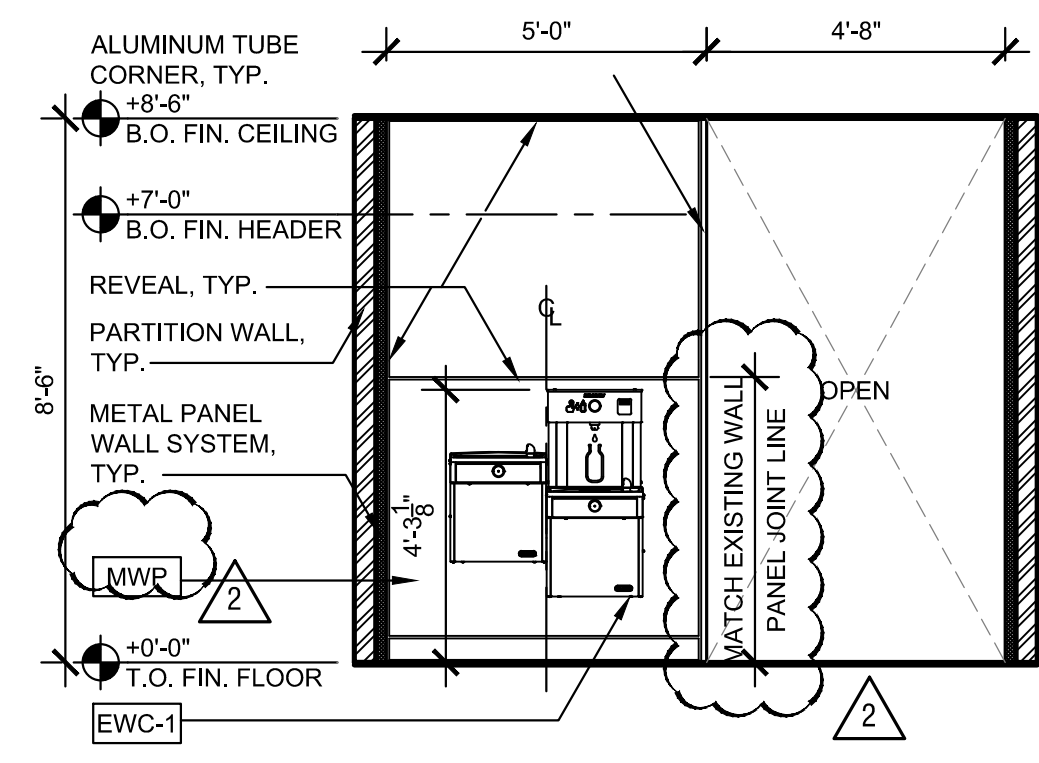
2 PANEL ELEVATION
SCALE: 3/8"=1'-0"



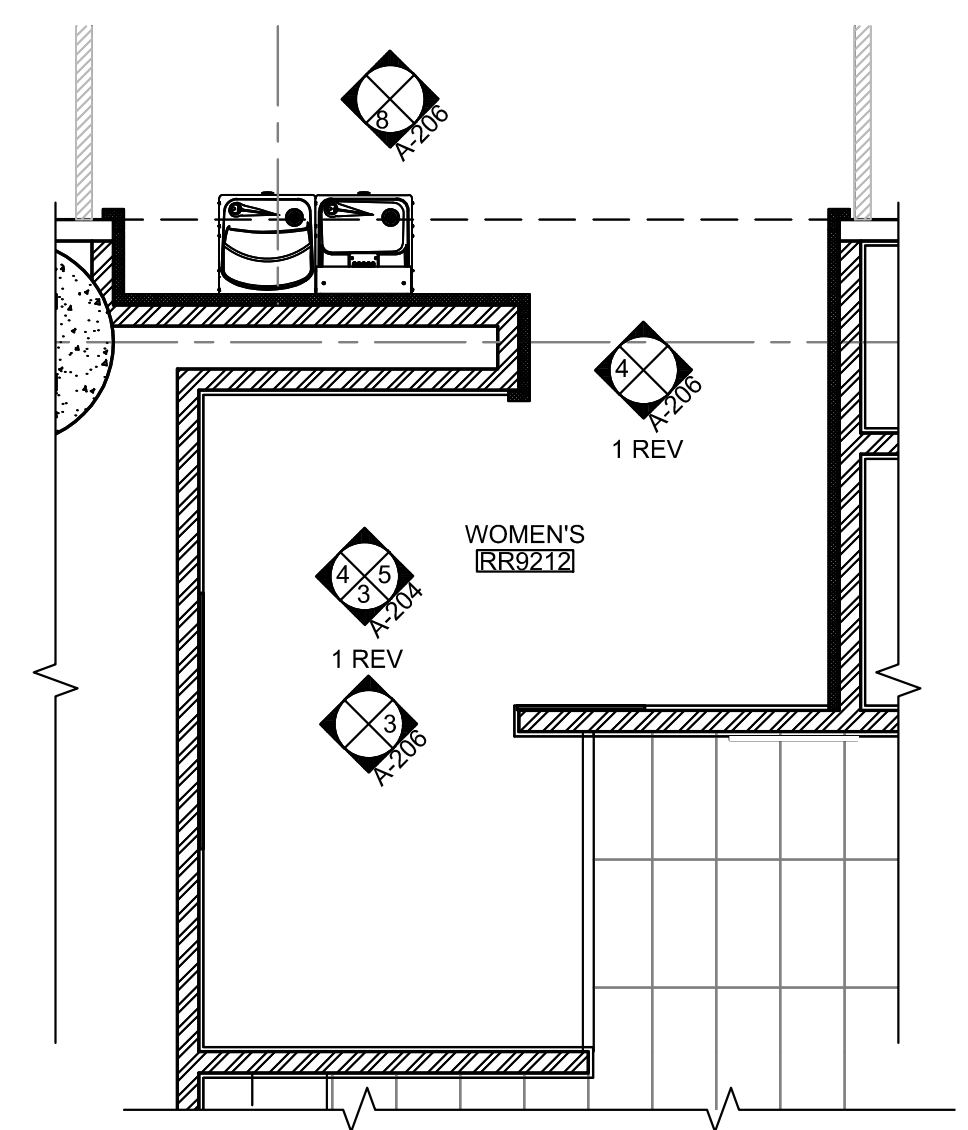
1 PANEL ELEVATION
SCALE: 3/8"=1'-0"



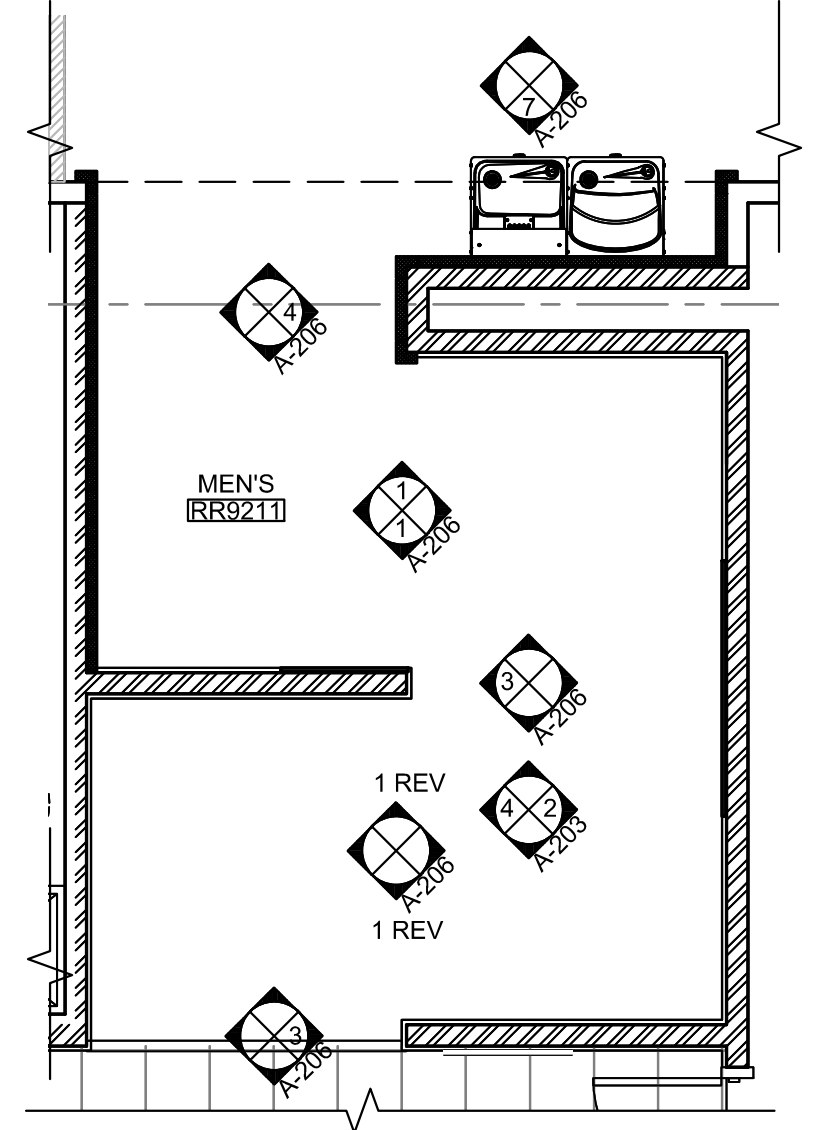
8 PANEL ELEVATION
SCALE: 3/8"=1'-0"



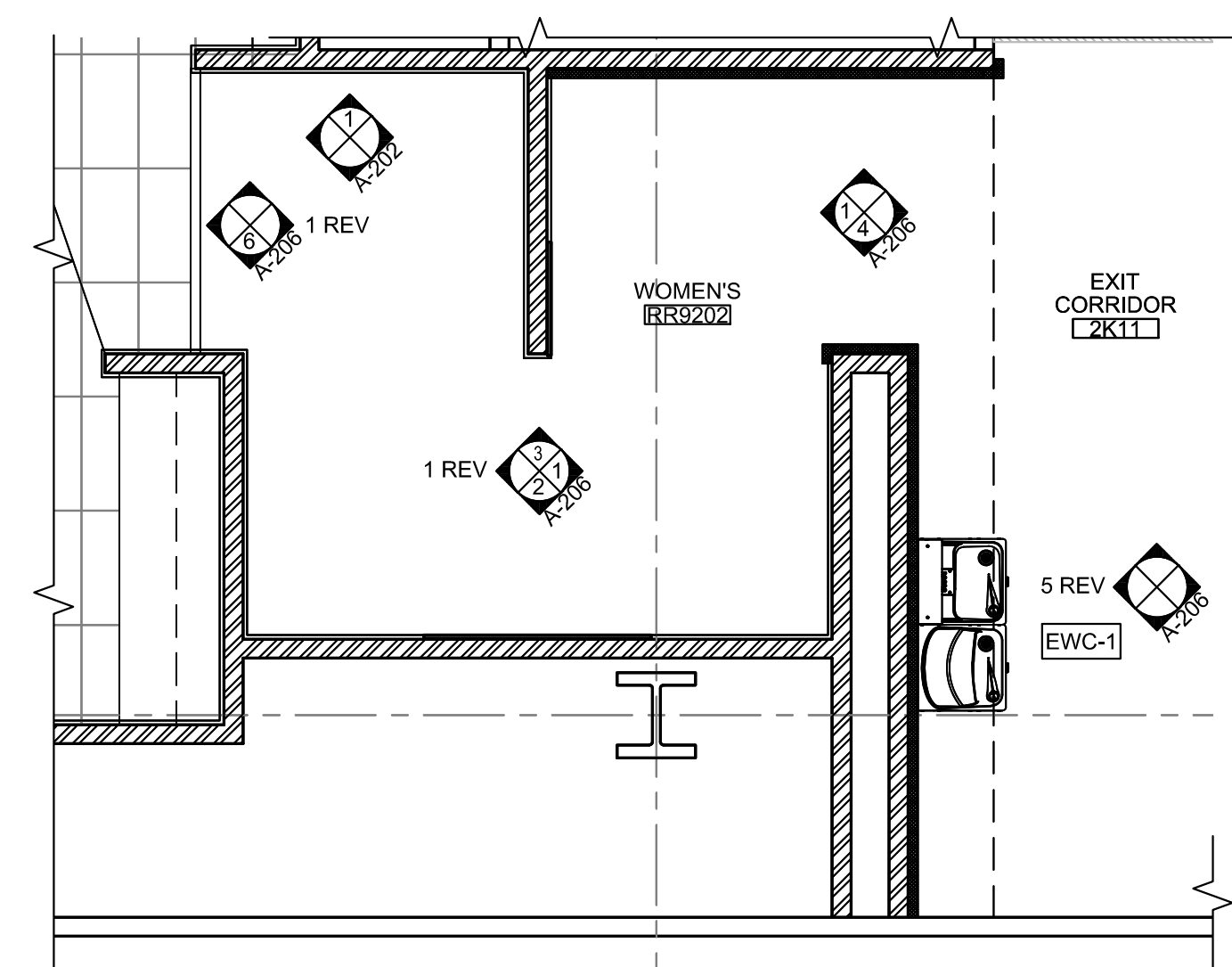
7 PANEL ELEVATION
SCALE: 3/8"=1'-0"



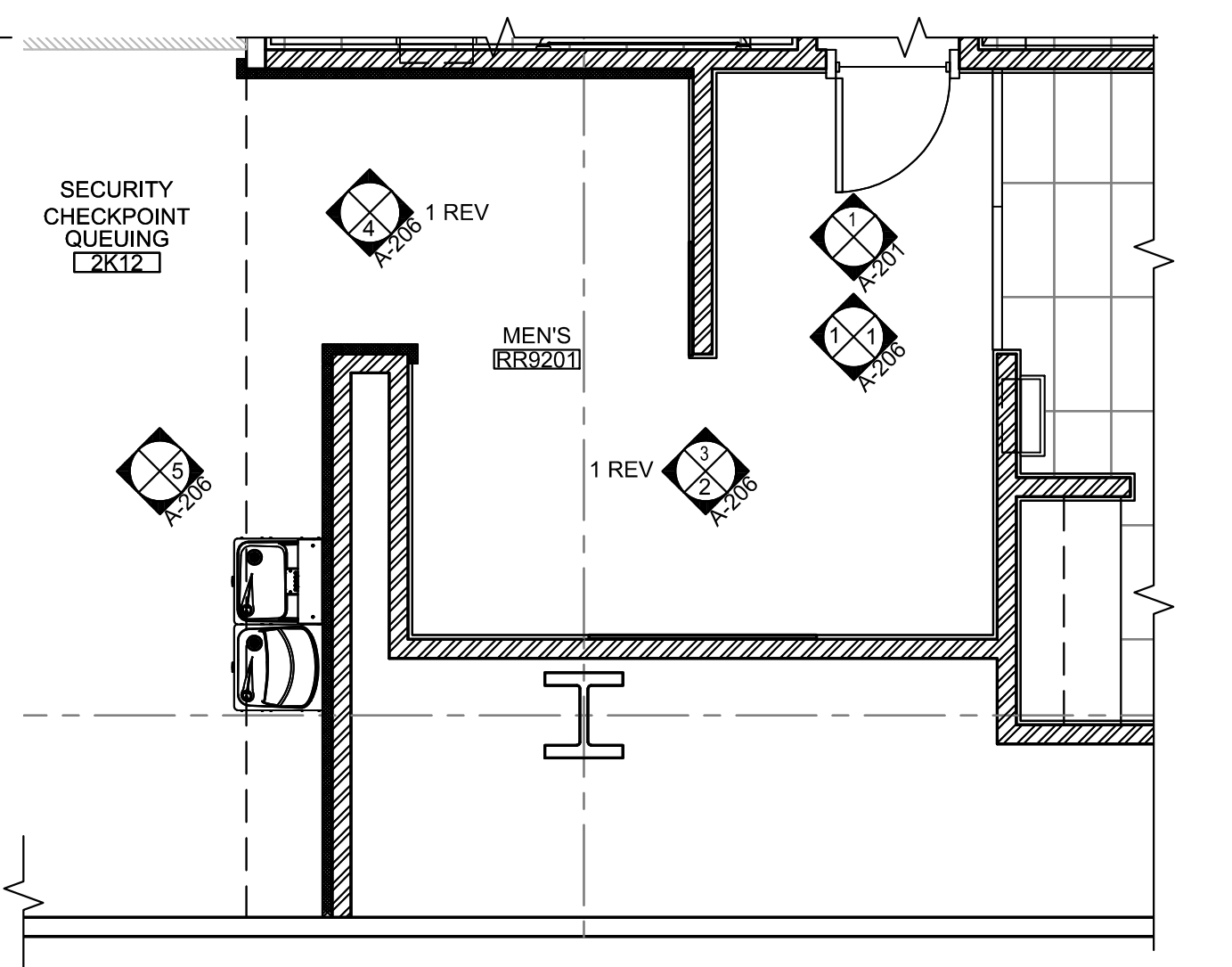
RR 9212 VESTIBULE KEY PLAN
SCALE: 3/8"=1'-0"



RR 9211 VESTIBULE KEY PLAN
SCALE: 3/8"=1'-0"



RR 9202 VESTIBULE KEY PLAN
SCALE: 3/8"=1'-0"



RR 9201 VESTIBULE KEY PLAN
SCALE: 3/8"=1'-0"

PLUMBING FIXTURES & ACCESSORIES SCHEDULE - NOTE - FOR ADDITIONAL PLUMBING FIXTURES INFO, REFER TO PLUMBING SHEET P-101				
MARK	DESCRIPTION	MANUFACTURER*	MODEL	TYPE COMMENTS
EWC-1	ELECTRIC WATER COOLER AND BOTTLE FILLING STATION	ELKAY-EZH20	LVRCTL8WSK	NON-FILTERED, VANDAL RESISTANT, STAINLESS STEEL, REFRIGERATED
	WATER COOLER (EWC-1)	ELKAY-EZH20	LVRCTL8WSK	INCLUDE FILTERS FOR STATION
	BOTTLE FILLER (EWC-1)	ELKAY-EZH20	LVRROWS	INCLUDE FILTERS FOR BOTTLE FILLER
EWC-2	ELECTRIC WATER COOLER AND BOTTLE FILLING STATION	ELKAY-EZH20	VRCTL8WSK	NON-FILTERED, VANDAL RESISTANT, STAINLESS STEEL, REFRIGERATED
	ELECTRIC WATER COOLER (EWC-2)	ELKAY-EZH20	LVRCTL8WSK	INCLUDE FILTERS FOR STATION
	BOTTLE FILLER (EWC-2)	ELKAY-EZH20	LVRROWS	INCLUDE FILTERS FOR BOTTLE FILLER

*OR APPROVED EQUAL

NOTE: ADDITIONAL NOTES TO BE FOUND ON SHEET A-201



RPQ ADDENDUM

Addendum No.:	4	Date:	3/19/2021
Project No.:	AA017C-2	Project Title:	MIA Public Restroom Modernization South Terminal Group 2
RPQ No.:	AA017C-2	RPQ Due Date:	3/24/2021
Project Location:	MIA South Terminal	Project Manager:	A. Portal

-
- **Work Hours Clarification:** It is possible for demolition work to be done during the day, but if it is deemed disruptive to the TSA security checkpoint or the airlines nearby, it might have to be done during off hours including midnight.

This Addendum also serves to respond to the Request for Information (RFI) submitted by the following Contractors:

Javier Delgado of Delka Innovo Group, Inc., received on 3/16/2021, 10:33PM.

- Q.1 I need reference to DIGITAL ARTWORK PANELS (A-407).
What is the artwork, will it be provided in high resolution?
- A.1 The artwork will be selected on a case-by-case basis by MDAD Interior Department and approved by the Director's Office. The selected image will be provided to the contractor for the fabrication and installation in full accordance with the Wall Panel Spec provided in this Addendum. The image will be high resolution.

Joaquin Esquivia of Conbuild, LLC, received on 3/17/2021, 4:32PM.

- Q.2 Addendum #3, response to question #29 revise the plans and states: “Reference to WP-1 and WP-2 has been deleted. Refer to specification section 09 78 13, Metal Wall Panel System, for wall panel system.” The revised plans show only MWP tag at the bottom of the wall, but the specs describes a second material not listed in the finish schedule: Spec 09 78 13 Section 2.2 A.2 Materials: Illuminated Glass Panels (LightPlane) Material: VividGlass: ViviChrome Chromis.
Manufacturer Forms+Surfaces asking where is applicable the Illuminated Glass Panels (LightPlane) Material: VividGlass: ViviChrome Chromis.
- A.2 See attached “Wall Panel Specs for Addendum #4”.

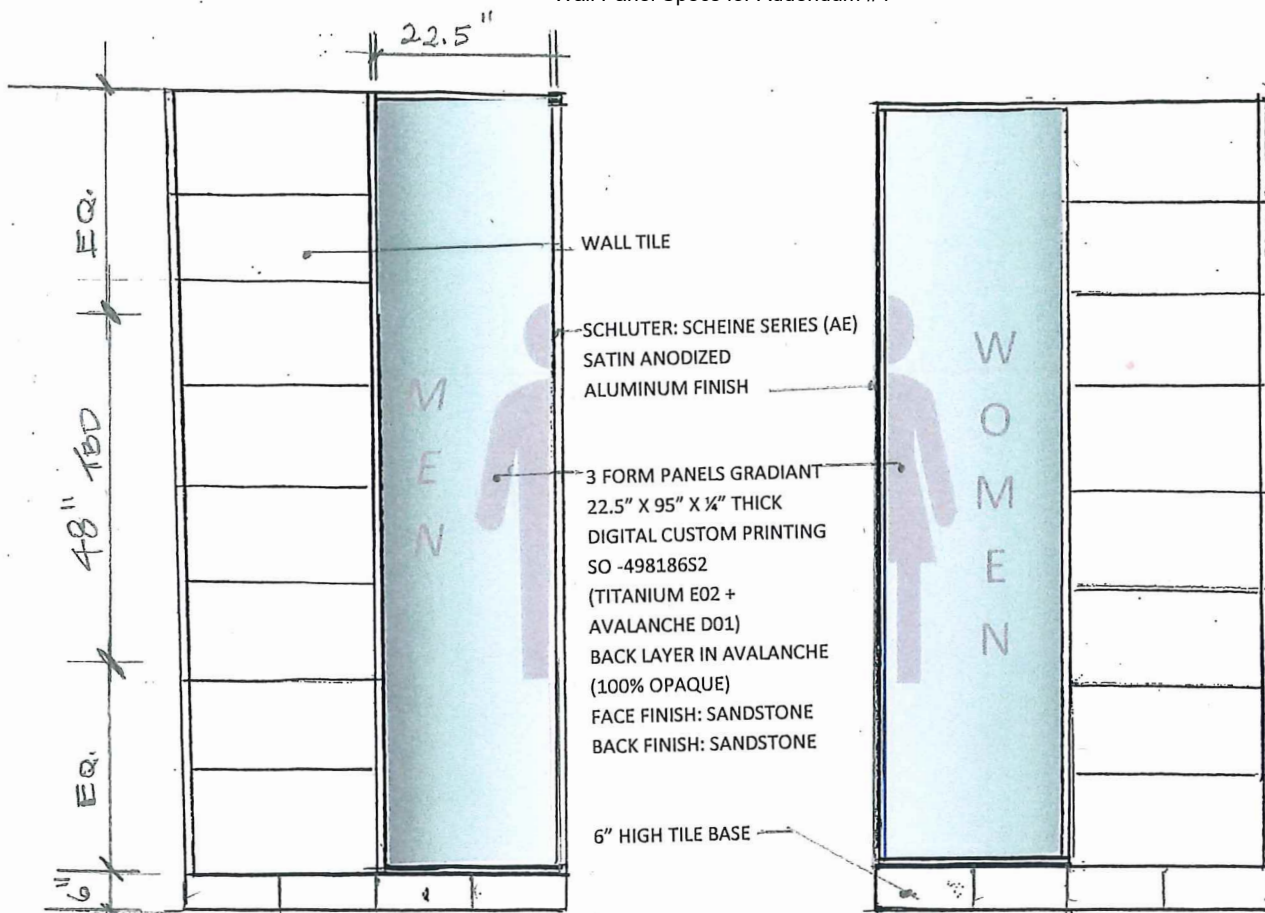
All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor: _____

Name of Individual Authorized to Sign: _____

Title: _____

Signature: _____



3 FORM PANEL:

VARIA ECORESIN 1/4" THICK GRADIANT (REFER TO MANUFACTURE REP: JULIAN SHARKEY (954) 579-6545

STYLE: VARIA DIGITAL PRINTING CUSTOM SO-498186S2 + TITANIUM E02 + AVALANCHE

FACE FINISH: SANDSTONE

BACK FINISH: SANDSTONE

CUSTOM DIGITAL PRINT

48" X 96" PANEL TO BE PRE-CUT INTO (TWO PANELS) EACH PANEL MEASURES: 22.5" X 95" H

BACK LAYER IN AVALANCHE (100% OPAQUE)

TWO AHESIVES TO BE USED AS RECOMMENDED BY THE MANUFACTURE 3 FORM.

3 FORM GRAPHIC PANEL INSTALLATION TO BE COORDINATED WITH MDAD INTERIORS DEPT.

3 FORM PANELS SHALL BE ALIGN TO THE ADJACENT WALL TILES AND SCHLUTER TRIM

3 FORM PANELS TO BE PROVIDED BY MDAD INSTALLED BY GENERAL CONTRACTOR

SCHLUTER TRIM:

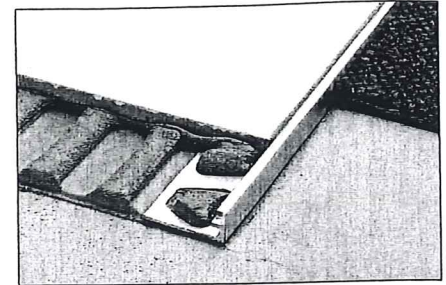
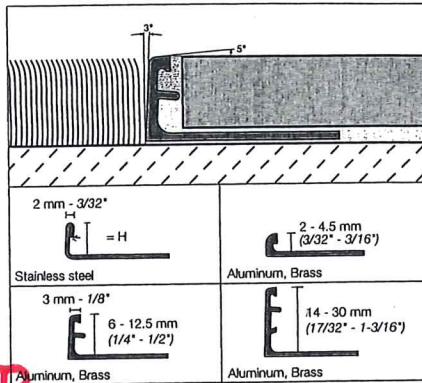
SCHLUTER: SCHEINE SERIES (AE)

FINISHING, EDGE-PROTECTION & TRANSITION PROFILES FOR FLOORS

Schluter®-SCHIENE

Schluter®-SCHIENE is designed to provide edging for tile coverings. Typical applications include edge protection where tile is bordered by carpet, at expansion joints, or as a decorative edging for stairs. SCHIENE in aluminum, anodized aluminum, and brass features an integrated joint spacer that establishes a defined joint cavity between the tile and the profile.

Note: Also available in stainless steel 316L (1.4404 = V4A). Contact Customer Service for pricing and availability.



↓ HT. TO BE DETERMINED



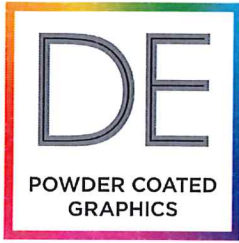
Schluter®-SCHIENE										
Length = 2.5 m - 8' 2-1/2"	Stainless steel 304 (1.4301 = V2A) (E)		Brushed stainless steel 304 (1.4301 = V2A) (EB)		Solid brass (M)		Aluminum (A)		Satin anodized aluminum (AE)	
H = mm - in.	Item No.	\$/ Length	Item No.	\$/ Length	Item No.	\$/ Length	Item No.	\$/ Length	Item No.	\$/ Length
2 - 3/32	E 20	23.02	-	-	-	-	A 20	7.63	AE 20	11.67
3 - 1/8	E 30	25.32	-	-	M 30	24.18	A 30	8.00	AE 30	12.21
4.5 - 3/16	E 45	29.95	-	-	M 45	27.08	A 45	8.18	AE 45	12.52
6 - 1/4	E 60	30.53	E 60 EB	36.63	M 60	28.21	A 60	8.74	AE 60	13.06
7 - 9/32	E 70	31.10	-	-	-	-	A 70	9.07	AE 70	13.58
8 - 5/16	E 80	31.66	E 80 EB	38.01	M 80	31.08	A 80	9.22	AE 80	13.62
9 - 11/32	E 90	32.69	-	-	M 90	31.44	A 90	9.72	AE 90	14.33
10 - 3/8	E 100	33.40	E 100 EB	40.08	M 100	31.78	A 100	9.70	AE 100	14.45
11 - 7/16	E 110	33.91	E 110 EB	41.43	M 110	32.60	A 110	9.84	AE 110	15.39
12.5 - 1/2	E 125	34.54	E 125 EB	41.46	M 125	32.94	A 125	10.20	AE 125	15.49
14 - 17/32	E 140	35.98	-	-	-	-	A 140	11.49	AE 140	16.45
15 - 9/16	E 150	40.30	-	-	M 150	36.98	A 150	12.02	AE 150	16.63
16 - 5/8	E 160	41.11	-	-	M 160	37.21	A 160	12.36	AE 160	18.03
17.5 - 11/16	E 175	41.47	-	-	M 175	37.89	A 175	13.12	AE 175	19.08
20 - 3/4	E 200	43.18	-	-	M 200	38.70	A 200	13.68	AE 200	20.69
21 - 13/16	-	-	-	-	-	-	A 210	14.21	AE 210	21.21
22.5 - 7/8	E 225	44.92	-	-	M 225	47.22	A 225	14.55	AE 225	21.75
25 - 1	E 250	46.64	-	-	M 250	48.14	A 250	15.29	AE 250	22.81
27.5 - 1-1/16	-	-	-	-	-	-	A 275	15.86	AE 275	24.39
30 - 1-3/16	E 300	50.11	-	-	M 300	52.40	A 300	16.94	AE 300	25.45

Length = 2.5 m - 8' 2-1/2"	Bright chrome anod. alu. (ACB)		Bright nickel anod. alu. (ATB)		Bright copper/bronze anod. alu. (AKB)		Bright brass anod. alu. (AMB)	
H = mm - in.	Item No.	\$/ Length	Item No.	\$/ Length	Item No.	\$/ Length	Item No.	\$/ Length
6 - 1/4	A 60 ACB	13.29	A 60 ATB	13.56	A 60 AKB	13.56	A 60 AMB	13.56
8 - 5/16	A 80 ACB	14.36	A 80 ATB	14.65	A 80 AKB	14.65	A 80 AMB	14.65
10 - 3/8	A 100 ACB	15.30	A 100 ATB	15.61	A 100 AKB	15.61	A 100 AMB	15.61
12.5 - 1/2	A 125 ACB	16.31	A 125 ATB	16.63	A 125 AKB	16.63	A 125 AMB	16.63

Note: The anchoring leg of Schluter®-SCHIENE is available with a special radius perforation so that the profile can be used to form curves.

- Price surcharge: \$0.70 per foot
- Available in all materials
- Stocked sizes: 6, 8, 10, and 12.5 mm
- Item No.: R / Profile No. (e.g., R/M 80)
- For delivery time on other sizes, please call Customer Service





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**DIRECT EMBED
COATING
SYSTEMS, LLC**

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Powder Coating 2.0 | Taking Powder Coating to the Next Level

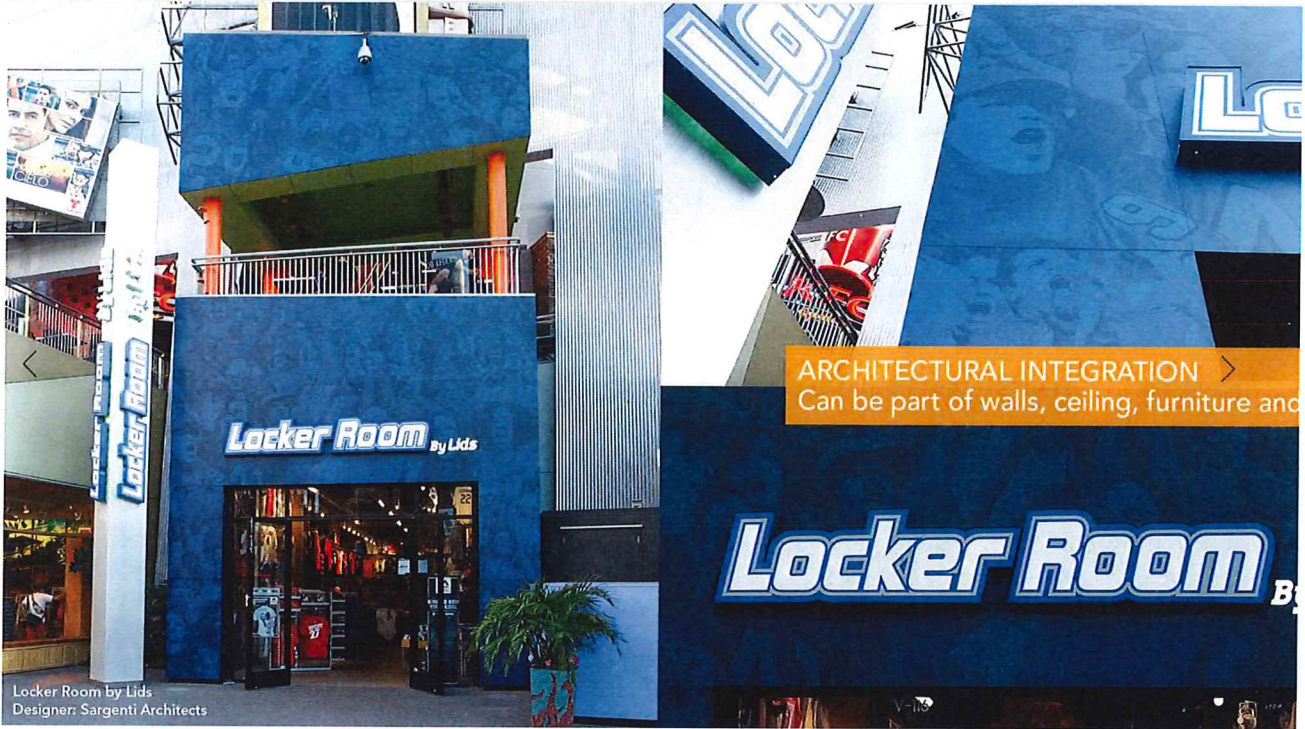


Over the last five years Direct Embed has become one of the leading solutions for signs, buildings, places and spaces. We have learned a lot in that time thanks to collaboration for the design and fabrication community.



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What is Direct Embed Coating Systems?

Through a patented process, our technicians transfer a permanent hi-resolution image to a powder coat finish, the transfer process is beneath the surface! Whether it's a two dimensional or a three dimensional surface, our process transfers a perfect image! Working with aluminum, steel, glass, ceramic, and various other sustainable materials*, we take your concepts and turn them into unparalleled reality!

Direct Embed ® Coating System is the perfect solution to high-traffic areas. it is one of the world's most durable interior or exterior process and backed by a warranty up to 10 years! **

We have the capabilities to make your signage, exhibit, architecture, retail fixtures, furniture and products truly unique. Please teake a look around the site and learn how Direct Embed Coating System can put dimension into your design... although we do flat pretty darn well too!

We are unique, all under one roof so your project has tight control and less lead time!

*Receptor materials for the Direct Embed Coating System must be able to meet criteria of retaining their characteristics during imaging process. Our representatives will be able to provide additional information.

**Extended warranty is based on receptor material, DECS finish and environment.

AN INTRODUCTION TO DIRECT EMBED



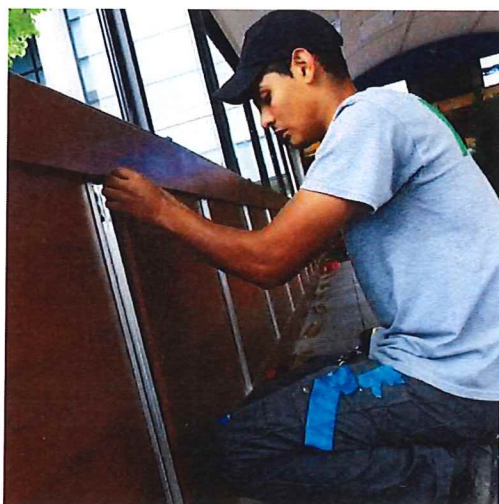


A Division of MS SIGNS, Inc.
**DIRECT EMBED
COATING
SYSTEMS, LLC**

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The Direct Embed Process



Direct Embed® was developed by team with diverse experience in architectural fabrication. We created a three step approach to applying graphics to a variety of materials and three dimensional surfaces.

Fabrication: Direct Embed offers a full custom fabrication facility easily adjusting to your specific project needs.

Powder Coating: The finish is a tough, durable polyurethane powder coat that is formulated to withstand high traffic interior environments as well as exterior weather conditions. Direct Embed uses powders that are free of any VOC's.

Embedding: a high resolution image (i.e. wood grain, stone, branding, photographic images and more) is permanently embedded into the powder coated surface. The decorative image is constructed with organic inks protected under the tough layer of powder.

OUR SERVICES ALSO INCLUDE MOCKUPS AND INSTALLATION SUPPORT TO ENSURE THAT OUR GRAPHICS FIT PERFECTLY INTO ARCHITECTURAL ENVIRONMENTS.

Direct Embed

COATING SYSTEMS LLC

Where design meets durability!

Florida Office:

9900 W. Sample Road – Ste. 203
 Coral Springs, FL 33065
 Tel: 954-825-0410
 Fax: 954-825-0413
 Cell: 954-347-6812

Email: eric@directembedcoating.com

Main Office:

280 North Midland Ave, Building C-1, Unit 128
 Saddle Brook, NJ. 07663
 Tel: 973-333-8988
 Fax: 973-807-9281

Date: 4/12/2019

To: Richard G. Garcia, Miami-Dade Aviation Department (Tel) 305-869-1040
 (Fax)
 (Email) rgarcia@miami-airport.com
 From: Eric Koslow (Tel) (954) 347-6812
 (Fax)
 (Email) eric@directembedcoating.com
 Re: MIA Graphic Panels - Restroom Renovations Location:

Material and labor furnished are guaranteed to be in accordance with the below referenced specifications. Written approval will be obtained for any alterations or deviations whether or not they involve extra cost. Should Direct Embed Coating Systems, LLC be obstructed or delayed in the completion of the manufacture or installation of the product by strike, accident, or delay beyond our control, then there shall be an allowance of additional time as reasonably agreed upon by the parties. In the event Client shall fail to pay all monies owed hereunder and Direct Embed Coating Systems, LLC shall cause this contract to be placed in the hands of an attorney for collection, client hereby agrees to pay all costs of collection including all attorney's fees and court costs. All Deposits are non-refundable. The prices quoted below are valid for a period of 30 days. A fuel surcharge of 1.5% may be applied to the total.

Qty

Description

Direct Embed to supply 1/8" Aluminum Panels to be coated with exterior grade super durable powder coat and embedded with client provided custom graphic

Phase 1 renovation of 4 women's restrooms and 4 men's restrooms in Concourse H:

- 3 Type 1 - Women's Restroom: 4'-0" wide x 8'-0" high
- 3 Type 1 - Men's Restroom: 4'-0" wide x 8'-0" high
- 1 Type 2 - Women's Restroom: 6'-6" wide x 8'-0" high (made in sections)
- 1 Type 2 - Men's Restroom: 6'-6" wide x 8'-0" high (made in sections)

*** SIZES OF PANELS MAY VARY
 FINAL SIZES TO BE DETERMINED**

Set-up fee:

Samples are additional as required

Subtotal:

Tax: (Sales tax not included, please supply resale cert. and W-9 form)

Total:

Installation by others: Direct Embed suggests use of 3M- VHB tape as well as Lord Adhesive for direct adhesion to existing substrate.

Art files to be provided by client in production ready electronic format

Production time 6 weeks

Prices are FOB Saddle Brook; sales tax is not included and to be added if applicable

Crating & Shipping Additional & TBD

Terms – 50% deposit Balance COD

Acceptance of Proposal _____

Signature

Date

SECTION 05080

DECORATIVE METAL COATINGS

Display hidden notes to specifier. (Don't know how? [Click Here](#))

Copyright 2014 ARCAT Inc. - All rights reserved

**** NOTE TO SPECIFIER **** Direct Embed Coating Systems; image embedding process DECS.

This section is based on the products of Direct Embed Coating Systems, which is located at:
280 North Midland Ave, Building C-1, Unit 128
Saddle Brook, NJ 07663
Tel: (954) 825-0410
Email: eric@directembedcoating.com
Web: <http://www.directembedcoating.com>
{[click Here](#)} for additional information.

We turn the ordinary into extraordinary! With our metal fabrication facility, state of the art powder coating and our 3-D embedding process DECS will create for you what up to now was just a vision that you held for the future. With DECS the future of design has arrived.

PART 1 GENERAL

1.1 SECTION INCLUDES

**** NOTE TO SPECIFIER **** Delete applications below not required for project.

- A. Permanent imaging thermally-embedded in flat surfaces and dimensional objects for the following applications:
 1. Exterior architectural surfaces.
 2. Interior architectural surfaces.
 3. Glass surfaces.
 4. Signage and streetscape components.
 5. Retail components.
 6. Exhibition components.
 7. Furniture.
 8. Other

1.2 RELATED SECTIONS

**** NOTE TO SPECIFIER **** Add sections below relevant to this project as required.

- A. Section 09900 – Paints and Coatings.

1.3 SYSTEM DESCRIPTION

- A. Process: The process embeds a high-resolution image deep into and throughout a super durable powder coated layer. The image is embedded inside the powder and flows seamlessly over edges and corners. It is not a film or a laminate. There are no visible corners and no delamination. The process shall be capable of coating and decorating both flat surfaces and dimensional objects.
 1. Product substrates selected shall be able to withstand the 350-degree F (177 degree C) temperature of the powder coating oven. This includes and is not limited to aluminum, steel, glass, MDF, ceramic and high temperature plastics.
- B. Characteristics: Coating shall be super durable polyurethane powder coated finish that is resistant to abrasion, humidity and corrosion. It shall be anti-graffiti, scratch resistant and

Install
- 2 clips
- ADHESIVE ←

non-combustible. The coating process shall be applicable for both interior and exterior applications. Coating shall withstand high traffic and extreme weather.

1. Available characteristics include anti-skid, antimicrobial, post-formable and super texture.
- C. Capability: Embed process capability shall allow parts from the size of a button to 24 feet (7315 mm) in length. Includes dimensional objects, flat and embossed sheets, extruded profiles, and folded panels.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used.
- C. Shop Drawings: For all fabrications, including details of construction and attachment to adjacent surfaces.
- D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.
- E. Sustainability Submittals:
1. Certificates for percentage of recyclable base materials, recyclable transfer film and organic water-based inks.
 2. Coating Process documentation of polyurethane powders emitting zero or near zero volatile organic compounds (no VOC's).

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 3 years experience manufacturing similar products. Manufacturer shall have capability to provide a "delegated design" responsibility including prototypes, value engineering and budget analysis.
- B. Quality Assurance Process: The following services shall be provided by the manufacturer to deliver the specified product for installation.
1. Project Management: Management of the design facilitation, review, prototype and implementation process.
 2. Value Engineering: Reviewing possible cost saving approaches for single or multiple production pieces.
 3. Prototype Development: Creating a full design element or portion of the element that reflects the final production piece.
 4. Production/Fabrication: Creation of the final production piece.
 5. Coating and Embedding: The powder coating and embedded decoration of the final production piece.
 6. Installation and Service: Installation of the final production piece as well the maintenance of the final piece after installation.

**** NOTE TO SPECIFIER **** Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
1. Finish areas designated by Architect.
 2. Do not proceed with remaining work until workmanship is approved by Architect.
 3. Rework mock-up area as required to produce acceptable work.

1.6 PRE-INSTALLATION MEETINGS

- A. Convene minimum two weeks prior to starting work of this section.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging until ready for installation.
- B. Handling: Handle materials to avoid damage.

1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.9 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.10 WARRANTY

- A. Manufacturer's Warranty: Provide manufacturer's standard warranty for up to 10 years depending on location, substrate, environment and amount of direct sunlight.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Direct Embed Coating Systems; 6 Morris St., Paterson, NJ 07501. ASD. Tel: (954) 825-0410. Email: info@directembedcoating.com. Web: <http://www.directembedcoating.com>.

**** NOTE TO SPECIFIER **** Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 COATING SYSTEM

- A. Powder Coating with Embedded Image using DECS Equipment: As manufactured by Direct Embed Coating Systems. Coating shall be resistant to abrasion, humidity and corrosion; anti-graffiti, scratch resistant, non-combustible, super-durable (UV resistant), and TGIC free (non-toxic). Suitable for both interior and exterior applications. Coating shall withstand high traffic and extreme weather.
 1. Substrate Material: As indicated on the Drawings.
 2. Substrate Material: _____.
 3. Image Source: As indicated on the Drawings.
 4. Image Source: _____.
 5. Color: As indicated on the Drawings.
 6. Color: _____.
 7. Finish: As indicated on the Drawings.
 8. Finish: Matte.
 9. Finish: Gloss.
 10. Finish: Textured matte.
 11. Finish: Textured gloss.

**** NOTE TO SPECIFIER **** Provide description and drawing references to production pieces utilizing the imaging coating process.

2.3 APPLICATIONS/SCOPE

- A. Sign and Streetscapes: As detailed on the Drawings for the following applications.
 - 1. Identity.
 - 2. Wayfinding.
 - 3. Interpretive.
 - 4. Banners.
 - 5. Landmarks.
 - 6. Overhead.
 - 7. Parks.
 - 8. Waste Units.
 - 9. Benches.

- B. Exhibition: As detailed on the Drawings for the following applications.
 - 1. Museums.
 - 2. Tradeshows.
 - 3. Public spaces.
 - 4. Corporate.
 - 5. Visitor's centers.
 - 6. Institutional.
 - 7. Donor.

- C. Architectural Exteriors: As detailed on the Drawings for the following applications.
 - 1. Cladding.
 - 2. Glass block.
 - 3. Curtain wall.
 - 4. Awnings.
 - 5. Shutters.
 - 6. Murals.
 - 7. Screens.

- D. Retail: As detailed on the Drawings for the following applications.
 - 1. Fixtures.
 - 2. Cabinets.
 - 3. Shelving.
 - 4. Wall Units.
 - 5. Lighting Fixtures.
 - 6. End Caps.
 - 7. Point of Purchase.
 - 8. Kiosks.
 - 9. Hand Dryers.

- E. Products and Furniture: As detailed on the Drawings for the following applications.
 - 1. Stools.
 - 2. Tables.
 - 3. Chairs.
 - 4. Tins.
 - 5. Lamps.

- F. Architectural Interiors: As detailed on the Drawings for the following applications.
 - 1. Walls.
 - 2. Floors.
 - 3. Wainscotting.
 - 4. Flooring.

5. Bathroom partitions.
 6. Office partitions.
- G. Coatings on Glass:: As detailed on the Drawings for the following applications.
1. Interior glass.
 2. Exterior glass.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions and in proper relationship to adjacent surfaces.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

(Miami Airport bathrooms —



BUDGETARY ESTIMATE ONLY. PRICING SUBJECT TO CHANGE. VALID THROUGH DEC 26, 2019

BILL TO

Maria Diaz-todaro
 Miami-Dade County Aviation
 Department
 P O Box 025504
 Miami FL 33102-5504, USA
 EMAIL — mdiaz-todaro@miami-air-port.com

SHIP TO (Commercial)

Maria Diaz-todaro
 Miami-Dade County Aviation
 Department
 P O Box 025504
 Miami FL 33102, USA
 PHONE — 305.869.4165

CARRIER: ABF W/ PRIOR NOTIFY

NOTE: Hardware may ship separately

Estimated Lead Time
 (in business days, shipping time excluded)

35

NOTE: Any change in the product, quantities, or services could extend the lead time.

Estimator —
 Indiana Kimura, 801-994-8152
indiana.kimura@3-form.com

SHIPPING OPTIONS

Select additional shipping options:

- INCLUDE FREIGHT INSURANCE *
- LIFT GATE (\$100 ADDITIONAL FEE) **
- INSIDE DELIVERY (ADDITIONAL FEE) **

* If not selected buyer accepts full responsibility for any damages incurred in transit. ** Required for all residential deliveries.

SOLUTIONS

Application - Varia

SUMMARY DESCRIPTION:

Qty (2) 22.5" w x 95" h

* Pricing includes polished edges

	PRODUCT LINE	STYLE	GAUGE	FACE FINISH	BACK FINISH	SAMPLE
Digital Printing	Varia Ecoresin	Varia Digital Printing Custom SO-498186S2 + Titanium E02 + Avalanche D01	1/4"	sandstone	sandstone	

3form

adhesives selection matrix vertical applications

Important: This chart is for panels 1/4" thick and less. If you have a thicker panel call 3form Technical Support. You can use VHB Tape or an aluminum angle/wood blocking under the panel for support during curing. It is important that the panel be supported until the adhesive reaches full cure. See 3form load bearing aluminum angle detail (page 4).

Varia Eco-resin Fizz Float, PEP	Varia Eco-resin Fizz Float	Dup Koda XT	Chroma	Stone	Profile	Glass	Unsealed Wood	Sealed Wood	Metal ¹	Primed/Painted Drywall ²
Primer 94 with VHB 4496 ¹ + Weld-On 55/58	Primer 94 with VHB 4496 ¹ + Weld-On 55/58	Primer 94 with VHB 4496 ¹ + Weld-On 55/58	Primer 94 with VHB 4496 ¹ + Seam It 304 Plexus MA310	Primer 94 with VHB 4496 ¹ + Seam It 304 Plexus MA310	Primer 94 with VHB 4496 ¹ + Loctite 1390595 ⁵	Primer 94 with VHB 4496 ¹ + SIGlaze II ²	3form recom-mends sealing	Primer 94 with VHB 4496 ¹ + Plexus MA310 or SIGlaze II ²	Primer 94 with VHB 4496 ¹ + Plexus MA310 or SIGlaze II ²	Primer 94 with VHB 4496 ¹ + SIGlaze II ²
Dup Koda XT	Primer 94 with VHB 4496 ¹ + Weld-On 55/58	Primer 94 with VHB 4496 ¹ + Weld-On 55/58	Primer 94 with VHB 4496 ¹ + Seam It 304	Primer 94 with VHB 4496 ¹ + Seam It 304	Primer 94 with VHB 4496 ¹ + Loctite 1390595 ⁵	Primer 94 with VHB 4496 ¹ + SIGlaze II ²	3form recom-mends sealing	Primer 94 with VHB 4496 ¹ + Weld-On 55/58 or SIGlaze II ²	Primer 94 with VHB 4496 ¹ + Weld-On 55/58 or SIGlaze II ²	Primer 94 with VHB 4496 ¹ + SIGlaze II ²
Chroma	Primer 94 with VHB 4496 ¹ + Seam It 304 Plexus MA310	Primer 94 with VHB 4496 ¹ + Seam It 304	Primer 94 with VHB 4496 ¹ + Seam It 304	Primer 94 with VHB 4496 ¹ + Seam It 304	Primer 94 with VHB 4496 ¹ + Loctite 1390595 ⁵	Primer 94 with VHB 4496 ¹ + SIGlaze II ²	3form recom-mends sealing	Primer 94 with VHB 4496 ¹ + SIGlaze II ²	Primer 94 with VHB 4496 ¹ + SIGlaze II ²	Primer 94 with VHB 4496 ¹ + SIGlaze II ²
Stone	Primer 94 with VHB 4496 ¹ + Seam It 304	Primer 94 with VHB 4496 ¹ + Seam It 304	Primer 94 with VHB 4496 ¹ + Seam It 304	Primer 94 with VHB 4496 ¹ + Seam It 304	Primer 94 with VHB 4496 ¹ + Loctite 1390595 ⁵	Primer 94 with VHB 4496 ¹ + Loctite 3035	3form recom-mends sealing	Primer 94 with VHB 4496 ¹ + Weld-On 55/58 or SIGlaze II ²	Primer 94 with VHB 4496 ¹ + Plexus MA310 or SIGlaze II ²	Primer 94 with VHB 4496 ¹ + SIGlaze II ²

All products are available for purchase from 3form. Please see product fabrication manuals for application techniques and surface preparation.

¹Clear VHB 4910 can be specified when necessary. Use 3M Primer 94 when adhering VHB to Varia Ecoresin or Chroma.

²Silicone is to be used for glazing and sealing ONLY. Choose a structural adhesive for applications like adhering a panel directly to a wall.

³Metal represents carbon steel, stainless steel and aluminum. Contact 3form Technical Service if bonding to other types of metal.

⁴Drywall is a poor substrate to achieve high bonding strength. 3form does not recommend bonding panels greater than 1/4" directly to drywall. See 3form load bearing aluminum angle detail.

⁵Loctite 1390595 is the intended for primary adhesion. 3form recommends scuffing the surface of Profile panels (100 grit) before applying the 1390595 to improve bond.

Although many adhesives listed are translucent or colorless, the bond will NOT be invisible.

Do NOT use cyanoacrylate thread locking materials (Loctite™) or solvent type adhesives with 3form panels.

- Use Weld-On® 55 or 58 for seaming and edge-sealing of Varia Ecoresin.
- Use Seam It (ICE 304 clear) for seaming Chroma.
- Use Devcon Plexus MA310 for applying plastic panels to non-plastic substrates.
- Use 3M VHB tape when you want clean lines or in place of mechanical fasteners in applications like stair treads or countertop mounting.
- Use formerly GE Silicone for most structural glazing and sealing applications.

	Varia Ecoresin Fizz & Float	Koda XT	Chroma	Alabaster	100 PERCENT	Glass
Sealing in a frame	Momentive SilGlaze II SCS 2801	Momentive SilGlaze II SCS 2801	Momentive SilGlaze II SCS 2801	Momentive SilGlaze II SCS 2801	Momentive SilGlaze II SCS 2801	Momentive SilGlaze II SCS 2801
Structural Glazing	Momentive SCS 1201	Momentive SCS 1201	Momentive SCS 1201	Momentive SCS 1201	Momentive SCS 1201	Momentive SCS 1201

Sealing/Weathersealing - These silicones are designed to be used as a general-purpose weather and glazing sealant. This will provide a water-tight seal, but is not designed to provide structural support. For edge sealing specifically see the 3form Edge Sealing Guidelines White Paper.

Structural Glazing - These silicones are NOT structural adhesives, but can be used for structural glazing applications. Structural glazing is an application where a sealant not only functions as a barrier against the passage of water and air, but also primarily provides structural support and the attachment of glazing components in a window, curtain wall or framing system.

Adhesive	3form Part#	Gun Part#	Tip Part#	Size (ml)	Color	Working Time	Full Cure	Type
Weld-On 55	3-05-0055	3-05-0056	3-05-0057	50	colorless	10-12 min.	+72 hours	Urethane
Weld-On 58	3-05-0058	3-05-0056	3-05-0057	50	colorless	2-3 min.	72 hours	Urethane
Seam It 304	3-20-318	3-20-320	3-20-319	35	colorless	5-12 min.	24 hours	Acrylic
Plexus MA310	3-20-308	3-05-0056	3-05-0057	250 or 400	straw	15-20 min.	24 hours	Acrylic
Loctite H5004	3-20-315	3-05-0056	3-05-0057	50	colorless	3 min.	24 hours	Acrylic
3M VHB 4910*	3-20-301	Use J-roller to apply		1" x 36 yd	colorless	n/a	72 hours	Acrylic
3M VHB 4496* White	3-20-313	Use J-roller to apply		1" x 36 yd	white	n/a	72 hours	Acrylic
3M Primer 94 (capsule)	3-05-0068	Use tip of capsule		0.66	colorless	5 min	n/a	n/a
3M Primer 94 (1/2-pint)	3-05-0072	Use clean rag or foam brush		236.6	colorless	5 min	n/a	n/a
Momentive SCS2801	3-05-0069	Use standard caulk gun		295	translucent	6-12 min.	2-4 days	neutral cure
Momentive SCS1201	3-05-0070	Use standard caulk gun		295	translucent	30 min	3-4 days	acid-cure

*Use 3M Primer 94 when adhering 3M VHB Tape to 3form Varia Ecoresin or Chroma. Coverage of Primer 94 is 25in²/capsule or 38 ft²/halfpint (14.7 m²/l)

All technical specification sheets and MSDS forms are available upon request. email: technical@3-form.com

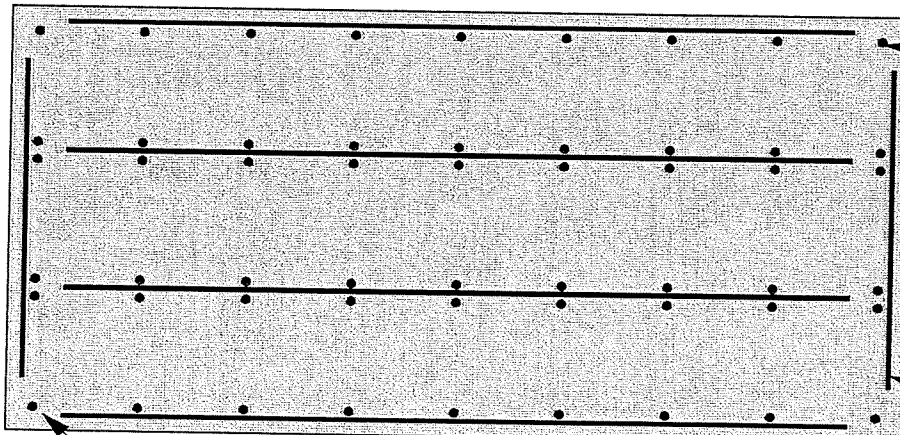
Approximate adhesive coverage in square feet with 0.008" bond line (does not include nozzle waste)

Square ft per 35ml	Square ft per 50ml	Square ft per 230ml
2	2.5	11.5

Masking Tape Recommendations

Use 3M 8952 tape for masking. We specify this tape because it provides a tight seal against the adhesive.

3/16" - 1/4"

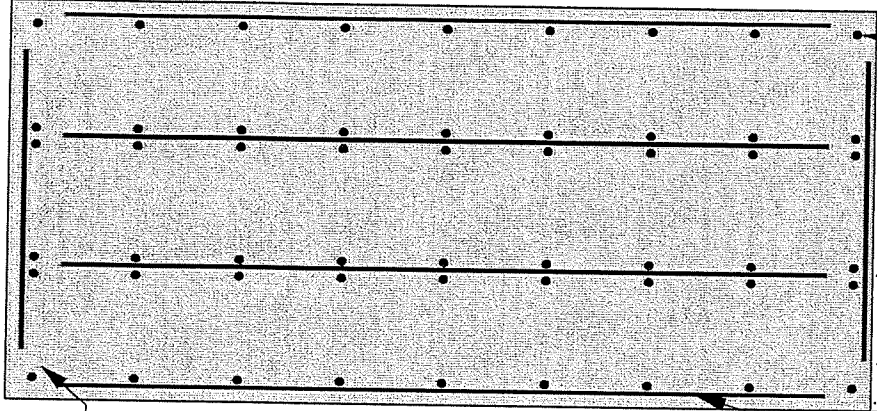


typ. keep VHB tape
4" from corners

approximately 40' VHB
tape per panel

typ. apply silicone as
secondary adhesive

3/8" - 1"



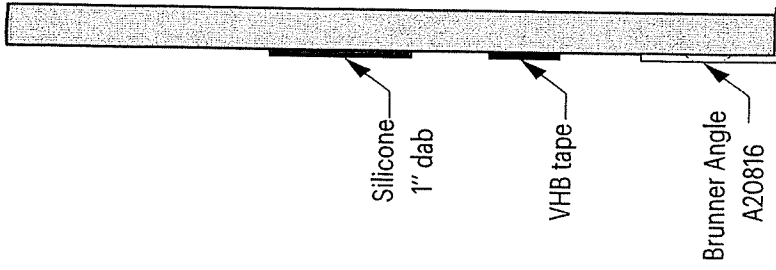
typ. keep VHB tape
4" from corners

approximately 40' VHB
tape per panel

angle support
added for greater
gauge material

typ. apply silicone as
secondary adhesive

angle support
section detail
3/8" - 1"



Silicone
1" dab

VHB tape

Brunner Angle
A20816

**!adhesives will be visible through translucent materials!
!specify a layer of Avalanche to hide adhesives!**

3form varia ecoresin[®] | flammability

Varia Ecoresin Flammability Results

3form Varia Ecoresin[®] meets the performance requirements established by the 2009 International Building Code (IBC) for light transmitting plastics and interior finishes. The provisions of these codes provide adequate regulation for most applications of 3form Varia Ecoresin panels. For use as an interior finish, ASTM E84 testing has been performed and 1/4" - 3/4" gauges of Varia Ecoresin produced from Varia Ecoresin achieve a Class B rating, with a Flame Spread Index less than 75 and a smoke density less than 450. Varia Ecoresin at 3/16" and at 1" thickness meets the criteria for a Class A rating, with a flame spread index less than 25 and a smoke density less than 450.

Note: Class B material can be used in place of Class A material when installed with an approved automatic fire suppression system. Exception: Group I-3 buildings (Table 803.9 of the 2009 IBC)

NFPA 101-00 (Section 10.2.4.4) refers to the use of light-transmitting plastic for interior applications to authorities and organizations having local jurisdiction. Such authorities typically adopt the IBC, which is supported by the International Code Council (ICC).

Varia Ecoresin is further recognized by the New York Department of Buildings (MEA#65-05 III) and the Los Angeles Department of Building Safety (LARR 25591).

There are four specific ASTM tests, which form the basis for a plastic material to become recognized by the ICC. These three ASTM tests are required in the 2015 IBC, upon which officials rely for material compliance. **ASTM TEST RESULTS**

TEST	VARIA ECORESIN	RESULT
ASTM D 2843 Smoke Density	71.6%	PASS Less than 75
ASTM D 635 Flame Spread	Self extinguishing	PASS CC1
ASTM D 1929 Self-ignition Temperature	716°F	PASS Greater than 650°F
ASTM E84 Flame Spread, 1/8" thickness Smoke generated	0 190	Class A: 0-25 <450
ASTM E84 Flame Spread, 3/16" thickness Smoke generated	25 250	Class A: 0-25 <450
ASTM E84 Flame Spread, 1/4" thickness Smoke generated	65 250	Class B: 26-75 <450
ASTM E84 Flame Spread, 1/2" thickness Smoke generated	55 400	Class B: 26-75 <450
ASTM E84 Flame Spread, 3/4" thickness Smoke generated	35 450	Class B: 26-75 <450
ASTM E84-03 Flame Spread, 1" thickness Smoke generated	20 250	Class A: 0-25 <450

TEST	3FORM DICHRIOC	RESULT
ASTM D 2843 Smoke Density	47.5%	PASS Less than 75
ASTM D 635 Flame Spread	17.4 mm/min	PASS CC2
ASTM D 1929 Self-ignition Temperature	716°F	PASS Greater than 650°F
ASTM E84-03 Flame Spread, 1/4" thickness Smoke generated	65 450	Class B: 26-75 <450

TEST	3FORM TIMBER	RESULT
ASTM D 2843 Smoke Density	68.5%	PASS Less than 75
ASTM D 635 Flame Spread	16.7 mm/min	PASS CC2
ASTM D 1929 Self-ignition Temperature	716°F	PASS Greater than 650°F
ASTM E84-03 Flame Spread, 1/4" thickness Smoke generated	70 400	Class B: 26-75 <450

Due to their specialty construction, 3form Dichroic and 3form Wood have their own unique set of fire performance results.

NFPA 286 TEST RESULTS

NFPA 286 1/4" thickness (walls only or ceilings only)	Pass	Pass
3/8" thickness (walls only in standoff configuration or ceilings only)	Pass	

The NFPA 286 corner burn test is accepted by the 2012 IBC for interior finishes. Passing the NFPA 286 test allows for materials to be utilized where Class A materials are required (IBC 803.1.2).

Canadian Flammability

3form Varia Ecoresin meets the performance requirements established by the National Building Code of Canada 2005. Surface burning characteristics of building materials and assemblies for thermoplastic materials are conducted in accordance with CAN/ULC S102.2, "Test for surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies".

CAN/ULC S102.2 TEST RESULTS

TEST	RESULT
CAN/ULC S102.2 Tunnel Test Flame Spread, 6mm (1/4") thickness Smoke generated	70 516
CAN/ULC S102.2 Tunnel Test Flame Spread, 25 mm (1") thickness Smoke generated	40 240

All test reports are available upon request.

3form | flammability

3form material flammability chart

MATERIAL		INTERIOR FINISHES		LIGHT TRANSMITTING PLASTICS (D635)
		ASTM E84	NFPA 286	
Stone	Alabaster	CLASS A	PASS (wall only or ceiling only)	CC1
	Onyx	CLASS A	PASS (wall only or ceiling only)	CC1
	Trace Bone	CLASS B	NOT TESTED	CC2
	Trace Dune	CLASS B	NOT TESTED	CC2
Varia Ecoresin	1/8"	CLASS A	PASS (wall only or ceiling only)	CC1
	3/16"	CLASS A	PASS (wall only or ceiling only)	CC1
	1/4"	CLASS B	PASS (wall only or ceiling only)	CC1
	3/8"	CLASS B	PASS (stand-off configuration)	CC1
	1/2"	CLASS B	DOES NOT PASS	CC1
	3/4"	CLASS B	DOES NOT PASS	CC1
	1"	CLASS A	DOES NOT PASS	CC1
	Wood	CLASS B	NOT TESTED	CC2
	Dichroic	CLASS B	NOT TESTED	CC2
	Timber	CLASS B	NOT TESTED	CC2
	Struttura Fizz/Float	CLASS B	NOT TESTED	CC1
Duo	1/4"	CLASS A	NOT TESTED	CC2
	5/8"	CLASS B	NOT TESTED	CC2
Chroma	1/4"	NOT TESTED	DOES NOT PASS	CC2
	1/2"	CLASS C	DOES NOT PASS	CC2
	1"	CLASS C	DOES NOT PASS	CC2
	2"	CLASS C	DOES NOT PASS	CC2
Koda XT	1/2"	CLASS B	PASS (wall only or ceiling only)	CC1
Profile	FR Treated	CLASS A	NOT TESTED	NOT APPLICABLE
	MDF	CLASS B	NOT TESTED	NOT APPLICABLE
	Felt	CLASS B	NOT TESTED	NOT APPLICABLE
	Birch + Poplar	CLASS B	NOT TESTED	NOT APPLICABLE
Seeyond	all	CLASS A	NOT TESTED	NOT APPLICABLE
Tetria	all	CLASS A	NOT TESTED	NOT APPLICABLE
Velo (resin)	all	CLASS A	NOT TESTED	CC1
Velo (felt)	all	CLASS A	NOT TESTED	NOT APPLICABLE



RPQ ADDENDUM

Addendum No.:	5	Date:	3/19/2021
Project No.:	AA017C-2	Project Title:	MIA Public Restroom Modernization South Terminal Group 2
RPQ No.:	AA017C-2	RPQ Due Date:	3/24/2021
Project Location:	MIA South Terminal	Project Manager:	A. Portal

This Addendum serves to respond to the Request for Information (RFI) submitted by the following Contractors:

Joaquin Esquivia of Conbuild, LLC, received on 3/19/2021, 8:31AM.

- Q.1 There are no specs attached or included in the response for the metal wall panels as per addendum #4.

- A.1 See attached "Revised Spec 09 78 13 for Addendum #5".
Article 2.2B2, Illuminated Glass Panels (LightPlane), has been deleted since it is not required in the scope of work for the project.

All else remains the same. This document must be signed and returned as part of your RPQ response. Failure to return this document signed may result in your RPQ response being rejected as non-responsive.

Name of Contractor: _____

Name of Individual Authorized to Sign: _____

Title: _____

Signature: _____

SECTION 09 78 13 METAL WALL PANEL SYSTEM

Revised 03/19/2021

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes: Pre-engineered wall system including wall panels, mounting extrusions, bases and frame. Wall system comes "ready to install" with fasteners, adhesives, and other materials required for a complete assembly. Fasteners shall be concealed type.

1.2 REFERENCES

- A. ASTM E84 – Surface Burning Characteristics of Building Materials.

1.3 SUBMITTALS

- A. Provide submittals in accordance with Section 01340 – Shop Drawings, Product Data and Samples.
- B. Submit manufacturer's shop drawings, installation drawings, installation instructions and maintenance instructions.
- C. Submit environmental impact data for all materials.
- D. Submit samples no less than 4" x 4" for all specified material finishes.
- E. Submit panel edge extrusion samples no less than 4" of specified finish.
- F. Submit mock-up of wall system no less than 12" x 12".
- G. Manufacturer information:
 - 1. Provide overview literature describing manufacturer's overall scope of products and manufacturing capabilities.
 - 2. Provide URL for manufacturer's web site; web site must provide access to technical data, images and general product information.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications
 - 1. Minimum 10 years experience in the manufacture of architectural surface materials.
 - 2. Minimum 10 years experience in the fabrication of wall systems.
 - 3. Provide reference list of at least 20 public space projects currently using walls fabricated by the manufacturer.
- B. Installer Qualifications
 - 1. Minimum three years experience in the installation of wall systems.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to installation site in manufacturer's original packaging. Handle products in accordance with manufacturer's instructions. Store in dry, secure location, protected against direct sunlight and excessive heat. Protect finished surfaces with strippable film.

1.6 WARRANTY

- A. Provide manufacturer's standard warranty.
 - 1. Warranty terms: one year against defects in materials and workmanship.

PART 2 PRODUCT

2.1 MANUFACTURER AND BASIS OF DESIGN

- A. Provide LEVELe Wall System by
Forms+Surfaces
30 Pine Street
Pittsburgh, PA 15223
phone: 800-451-0410
fax: 412-781-7840
contact: Ed Pelaez
cell: (305) 562-5653
email: ed.pelaez@forms-surfaces.com

2.2 WALL PANELS

- A. General
 - 1. Provide interlocking grid panel system with inset panels mounted to extruded aluminum frames on structural backer. The recommended substrate is 3/4" fire-rated OSB or plywood.
 - 2. Panel configuration: Forms+Surfaces' LEVELe Wall System with Minimal style panel frames. See drawings for panel layout and reveal spacing.
 - 3. Provide inset panels in the finishes specified.
 - 4. Weight per square foot: average 2.40 lbs to 3.04 lbs
 - 5. Frames are extruded aluminum. Aluminum is inherently non-combustible.
- B. Inset Materials
 - 1. Stainless Steel Panels
 - a. Material: Stainless Steel.
 - b. Finish: Seastone
- C. Base
 - 1. Stainless Steel Panels
 - a. Material: Stainless Steel.
 - b. Finish: Seastone
- D. Panel Frames and Outside Corner Extrusion
 - 1. Material: Extruded, anodized aluminum
 - 2. Finish: Clear
- E. Reveals
 - 1. Material: Extruded, anodized aluminum
 - 2. Finish: Stainless Steel

PART 3 EXECUTION

3.1 Preparation

A. Protect wall finishes, fixtures and equipment from damage caused by work of this Section.

3.2 Installation

A. Install in accordance with wall system manufacturer's instructions

3.4 Cleaning and Protection

A. Remove strippable film. Clean exposed surfaces in accordance with manufacturer's instructions.

B. Protect exposed surfaces from damage by subsequent construction.

END OF SECTION



Aviation
Maintenance Department
4200 NW 22 Street, Bldg 3030
Miami, FL 33159

April 8, 2021

Leonardo J Curiel
GREEN ENGINEERING & CONSTRUCTION, INC.
8757 NW 35 Ln
Doral, FL 33172

CERTIFIED MAIL No:
FACSIMILE: (954) 210-9878
TELEPHONE: (305) 748-7845

Re: Recommendation for Award for CICC 7040-0/07 Contract - RPQ NO: AA017C-2
MIA Public Restroom Modernization South Terminal Group 2
MIA South Terminal

Dear Leonardo J Curiel:

In accordance with Sections 2-8.3 and 2-8.4 of the Code of Miami-Dade County and Implementing Order 3-21, this letter serves to notify you and all bidders on this solicitation that your firm has been recommended for award of the referenced Request for Price Quotation (RPQ) based on the bid submitted on Wednesday, March 24, 2021. Pursuant to the referenced legislation, the three (3) day protest period shall commence upon the filing of this recommendation to award with the Clerk of the Board. This contract award will be effective only in accordance with the conditions of the solicitation, which requires execution by both parties of the Notice to Proceed (NTP).

The value of this award is \$1,813,606.16 and the UAP shall apply. This award amount includes the base bid amount of \$1,576,005.60, a contingency amount of \$157,600.56 and a Dedicated amount of \$80,000.00. The contract term is 365 calendar days. The award is contingent upon the submission and approval of Insurance Certificates listing the required coverage for General Liability, Auto Liability (Owned, Non-owned and Hired Vehicles) and Workers Compensation as required by Florida Statue Chapter 440. Additional documents may be required as listed below:

MIA Public Restroom Modernization South Terminal Group 2

1. Copy of required licenses.
2. Fully executed and current Payment & Performance Bond Certificate.
3. ISO 14001: 2015 Awareness Self-Training Module certificates.
4. Certificates of insurance in accordance with the RPQ documents.
5. Workforce plan including Form RFTE-2, RFTE-3, and executed Job Clearing Affidavit for approval in writing by the SBD.
6. Copy of your firm's Safety Plan.
7. The OSHA Form 300 containing a list of the company's work-related injury and illness data for the previous three years.
8. OSHA inspection data for the previous three years.

The preceding Documents are required as outlined within the RPQ project specification and the MCC 7040 Plan. They must be submitted to the Aviation within 10 business days of receipt of this letter. In the event additional insurance is required, it also must be submitted within 10 business days. Failure to submit the documents within the specified time frame, or an extension approved by the County, will result in the award being rescinded.

Subsequent to the review and approval of the referenced documents, you are required to obtain the necessary permits in the time frame stipulated in the RPQ. Upon obtaining the permit(s), copies must be submitted to the Project Manager prior to commencement of work. No work is to be performed without a permit (if applicable). Following receipt of the permit(s), the Project Manager may schedule a pre-construction conference and issue a Notice to Proceed authorizing the performance of the work.

This letter shall also serve as a reminder that this contract is a Small Business Enterprise – Construction (SBE-Con) 100% set-aside. All construction work must be performed by contractors certified in accordance with Section 10-33.02 of the Code of Miami Dade County. The scope of work must be performed in accordance with the contract terms and conditions, all permits and inspections and in accordance with all applicable Federal, State and local laws, codes and regulations. Should you have any questions please contact Adrian Portal, Project Manager, at 3058768315.

Sincerely,



Ana Finol, P.E.
Division Director

CC: Ralph Cutie MDAD, Ana Finol MDAD, Juan Paan MDAD, Silvia Perez MDAD,
Gary Hartfield ISD, Laurie Johnson ISD, Marcia Martin ISD, Yuleisy Hernandez MDAD,
Olga Valverde COB, Patricia Gomez MDAD, James P. Ferreira MDAD,
Green Engineering & Construction, Inc., Conbuild, LLC



Daniella Levine Cava, Mayor

Aviation

Maintenance Department
4200 NW 22 Street, Bldg 3030
Miami, FL 33159

June 3, 2021

Leonardo J Curiel
GREEN ENGINEERING & CONSTRUCTION, INC.
8757 NW 35 Ln
Doral, FL 33172

CERTIFIED MAIL No:
FACSIMILE: (954) 210-9878
TELEPHONE: (305) 748-7845

Re: Notice To Proceed for MCC 7040 Plan - RPQ NO: AA017C-2
MIA Public Restroom Modernization South Terminal Group 2
MIA South Terminal

Dear Leonardo J Curiel:

This letter will serve as your notification that you are to proceed with the work described in RPQ #AA017C-2 starting Wednesday, July 7, 2021, and that all work must be completed on schedule in accordance with the contract documents. The time allotted for the contract is 365 consecutive calendar days which results in a scheduled completion date of Thursday, July 7, 2022. **In the event the project is not completed by the scheduled completion date and a time extension has not been granted, your firm shall be subject to any liquidated and or stipulated damages as defined in the contract documents for this project.**

MIA Public Restroom Modernization South Terminal Group 2

The complete execution of this notice to proceed shall constitute a contract for the work described in the Request for Price Quotation (RPQ) under the MCC 7040 Plan. **Failure to properly execute and return this document within ten (10) calendar days of the date of this letter may result in the County rescinding the award to your firm and awarding the subject project to the next lowest responsive and responsible bidder.**

The terms and conditions applicable to this contract are in the 7040 Contract and 7040 Amendment #1, dated 10/18/2002 and 3/1/2005 respectively, and the totality of the contract documents (including but not limited to the RPQ including any special provisions contained therein, drawings and specifications, addenda, and any contract modifications or change orders etc).

This letter will also serve as a reminder that all work must be performed in accordance with the contract documents and in accordance with all applicable Federal, State and local laws, codes and regulations. In accordance with the contract procedure, the Miami-Dade County Purchase Order Release Number is 0000053493.

Should you have any questions regarding this notification, please contact Adrian Portal at 3058768315.

Sincerely,

for Ana Finol, P.E.
Division Director

CC: Ralph Cutie, MDAD; Sylvia Novela, MDAD; Juan Paan, MDAD;
Yuleisy Hernandez, MDAD; Silvia Perez, MDAD; James P. Ferreira, MDAD;
Adrian Portal, MDAD; Laurie Johnson, ISD; Marcia Martin, ISD;
Dayron Perez, ISD; Olga Valverde, COB; Project File.

Purchase Order

AVIATION DEPARTMENT

4200 NW 36TH Street
Miami FL 33102
United States

Supplier: 0000019169
GREEN ENGINEERING & CONSTRUCTION, INC
8757 NW 35 LN
DORAL FL 33172

Dispatch via Print

Purchase Order AVIAT-0000053493	Date 05/26/2021	Revision 1	Page 1
Payment Terms N30	Freight Terms Destination	Ship Via Common Carrier	
Buyer VIVIAN Reina GONZALEZ-MD	Phone	Currency	

Ship To: 1C30401C
Warehouse Bldg 3040
4331 NW 22nd Street
Miami FL 33122
United States

Attention: Not Specified

Bill To: Accounts Payable
P.O. Box 526624
MIAMI FL 33152-6624
United States

Tax Exempt? Y **Tax Exempt ID:** 59-6000573

Replenishment Option: Standard

Line-Sch	Item/Description	Mfg ID	Quantity	UOM	PO Price	Extended Amt	Due Date
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1- 1	RPQ AA017C-2, General Interior Renovation of 6 existing Restrooms. Total RPQ approved amount = \$1,813,606.16. - Base = \$1,576,005.60 split as follows: => \$909,012.44 (EA502) FY20-21 => \$666,993.16 (EA301) FUTURE to be updated as RM Budget becomes available		1.00	EA	909,012.44	909,012.44	05/26/2021
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Contract ID: MCC-PROGRAM-7040

Contract Line: 0 Category Line: 0 Release: 91

Item Total 909,012.44

2- 1	RPQ AA017C-2, Project AA017C-2: General Interior Renovation of 6 existing Restrooms. - Contingency = \$157,600.56, EA502 AV3201 Acct 942100 O&M 468		1.00	EA	157,600.56	157,600.56	05/26/2021
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Contract ID: MCC-PROGRAM-7040

Contract Line: 0 Category Line: 0 Release: 93

Item Total 157,600.56

3- 1	RPQ AA017C-2, Project AA017C-2: General Interior Renovation of 6 existing Restrooms. - Dedicated Allowance = \$80,000.00, EA502 AV3201 Acct 942100 O&M 468		1.00	EA	80,000.00	80,000.00	05/26/2021
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Contract ID: MCC-PROGRAM-7040

Contract Line: 0 Category Line: 0 Release: 94

Item Total 80,000.00

Total PO Amount 1,146,613.00

Note: All Chemical and hazardous material orders must be delivered with a copy of the most recent available MSDS for the product. Failure to do so, may result in the refusal of acceptance of the material or product.

Authorized Signature
Vivian R. Gonzalez

Digitally signed by Vivian R. Gonzalez
DN: cn=Vivian R. Gonzalez, o=MDAD, ou=Program
Controls, email=vgonzalez@miami-airport.com, c=US
Date: 2021.06.04 09:25:31 -0400