



**SCOPE OF WORK**

**FOR**

**SECURITY BOOTHS REPLACEMENT AT TMT AND BIMT**

**Project No.: G2021-04**

**Contract No.: MC-1783AR**

**TALLEYRAND MARINE TERMINAL  
AND  
BLOUNT ISLAND MARINE TERMINAL**

TMT AND BIMT SECURITY BOOTHS REPLACEMENT

JAXPORT PROJECT # G2021-04

JAXPORT CONTRACT # MC-1783AR

**SCOPE OF WORK, GENERAL NOTES, GENERAL  
SPECIFICATIONS, TECHNICAL SPECIFICATIONS**

## **Scope of Work**

Project work shall be inclusive of yet not limited to all labor, materials, equipment, incidentals, testing and supervision necessary to remove security guard booths, disconnect electrical and network components as needed, modify, replace, and /or reroute existing or install new electrical infrastructure and connections (conduits and cables), modify, replace and / or reroute existing or install new network infrastructure and connections (conduits and cables), modify concrete slab/footings as needed, install IT/Network equipment/devices, install new security guard booths, re-connect electrical and network components as needed. This project will take place at: Talleyrand Marine Terminal Main Gate (2085 Talleyrand Ave.) and, if Owner’s Option is executed, at Blount Island Marine Terminal Main Gate (9620 Dave Rawls Blvd). The work shall include, but may not be limited to:

- **Base bid**

- Purchase and delivery of eight (8) guard booths as follows: six 4’x6’ elevated guard booths with stairs, landings and support structure for TMT (delivered to TMT), and two 4’x6’ guard booths for BIMT (delivered to BIMT).
- Removal, demolition, and disposal of four (4) 6’x10’ guard booths at TMT. Jaxport’s Talleyrand Operations/Facilities will retain one (1) booth.
- Removal, demolition, and disposal of electrical and network infrastructure (conduits, boxes, fitting, cables, equipment) inside and outside of four (4) booths to be removed at TMT. This includes but is not limited to, removal/replacement of conduits and removal of wiring from booths/boxes/equipment to power sources, to existing gate arm operators.
- Labor and material to install (per all applicable building codes and standards) four (4) 4’x6’ elevated guard booths with stairs, landings and support structure at TMT. This will include but is not limited to, anchorage system, electrical systems, network systems, air conditioning systems.
- Labor and materials to install new electrical and network infrastructure to feed four (4) new booths and existing gate arm operators at TMT. This includes, but it is not limited to, modification of existing conduit runs, extension of existing conduit runs, installation of new conduit runs; installation of new conduit runs; installation of junction boxes to splice new electrical feeders to existing-to-remain feeders; installation of new feeders (spliced to existing-to-remain feeders) from new junction boxes to new booths; re-wiring all network systems from booths to boxes and to IT centralized cabinets. All electric work shall be in compliance with the National Electrical Code. All electrical components shall bear the UL Label.

- Labor and materials to modify six (6) existing concrete slabs/footings to accommodate the new booths footprint (Talleyrand only). This includes but it is not limited to, sawcut, removal, disposal and excavation of asphalt, concrete, and base material; form area for new concrete, install rebar, pour and cure concrete.
- Disconnection and reconnection of electrical and network components as needed.
- Perform Ground, Electrical and Network tests as needed and as required by Jaxport’s IT department.
- All permits, if required by any Authority Having Jurisdiction (AHJ) over the completion of this work are to be filed and obtained by the Contractor.
- Daily site clean-up.
- **Owner’s Option:**
  - JAXPORT will have 60 calendar days from Notice to Proceed to inform the Contractor on the decision of approval of this Owner’s Option.
  - Removal, demolition, and disposal of two 6’x10’ RPM guard booths at TMT (RPM booths) and two 4’x4’ RPM guard booths at BIMT (RPM booths).
  - Installation (per all applicable building codes and standards) of two 4’x6’ elevated RPM guard booths with stairs, landings and support structure at TMT and two 4’x6’ RPM guard booths at BIMT. This will include but is not limited to, anchorage system, electrical systems, network systems, air conditioning systems.
  - Removal, demolition, and disposal of electrical and network infrastructure (conduits, boxes, fitting, cables, equipment) inside and outside of two RPM booths at TMT, and two RPM booths at BIMT. This includes but is not limited to, removal/replacement of conduits and removal of wiring from booths/boxes/equipment to power sources, to existing gate arm operators and to RPM equipment
  - Labor and materials to install new electrical and network infrastructure to feed two new RPM booths, existing gate arm operators and RPM equipment at TMT, and two new RPM booths, existing gate arm operators and RPM equipment at BIMT. This includes, but it is not limited to, modification of existing conduit runs, extension of existing conduit runs, installation of new conduit runs; installation of junction boxes to splice new electrical feeders to existing-to-remain feeders; installation of new feeders (spliced to existing-to-remain feeders) from new junction boxes to new booths; re-wiring all network systems from booths to boxes and to IT centralized cabinets. All electric work shall be in compliance with the National Electrical Code. All electrical components shall bear the UL Label.
  - Disconnection and reconnection of electrical and network components as needed.
  - Perform Ground, Electrical and Network tests as needed and as required by Jaxport’s IT department.

- All permits, if required by any Authority Having Jurisdiction (AHJ) over the completion of this work are to be filed and obtained by the Contractor.
- Daily site clean-up.

All labor performed, materials and equipment to be furnished shall be in accordance and compliance with all applicable local, state and federal codes, standards and regulations, including but not limited to the NEC, NEMA, TIA, FDOT, ASTM, COJ, NFPA. The Work shall also be performed in accordance with all Jaxport’s bid/contract documents. The Contractor shall adhere to all notes and technical specifications as written and referenced herein.

### **General Notes**

All Jaxport’s Security requirements apply. TWIC and Jaxport badges are required.

The Contractor is responsible to visit, inspect, evaluate, and assess all areas where works are required prior to bid/quote and prior to construction.

The Contractor shall take due care to protect and prevent damage to any and all JAXPORT and/or tenant adjacent property. The Contractor shall be responsible for any damage caused to existing Owner property caused by his/her Operations. All areas affected by the construction (conduit installation, trenching, drilling, etc.) shall be restored to pre-construction conditions.

Site shall be cleaned-up in a daily basis, and no accumulation of debris and waste material will be allowed.

The Contractor shall call and provide for locate and field verify all utility locations prior to execution of work. It is the responsibility of the Contractor to confirm all utilities in the field.

All waste and debris generated from this job shall be removed from JPA Property by the Contractor. This includes, but is not limited to: removed security guard booths, removed electrical/network conduits, cables, equipment, etc., material resulting from excavations. Jaxport’s Talleyrand Facilities will retain one (1) removed booth.

Compliance with all applicable safety requirements shall be the responsibility of the Contractor. All works will take place adjacent to active operations areas and traffic areas. The Contractor shall prepare and implement a Safety Plan accordingly. The Contractor will be required to submit a Safety Plan. Strict coordination with Jaxport’s TMT Operations is needed in terms of Contractor’s schedule (days and hours to work).

Should necessity arise, sites are to be left in an operational condition that will not impede or cause damage to Owner and/or Tenant operations. Daily and final clean-up will be strictly adhered to and monitored, as these facilities will remain in full operation.

This project shall be planned/phased per Lane/Booth. The Contractor will be allowed to work at only one booth at a time, per Terminal. All works (from demolition to installation) at one booth shall be completed (new booth left functional) before starting to work on the next booth/lane. If the Contractor proposes to work overnight with the intention to complete more than one booth at a time, written request shall be submitted, and written authorization shall be issued by Jaxport.

**MOT / Work Plan**

Construction / Installation works for this project will take place adjacent to traffic areas and active port operations areas. Strict coordination is required between the Contractor and the JPA (Operations, IT, Public Safety, Engineering). The Contractor shall prepare a MOT / Work plan showing: approximate footprint of the construction/installation areas the Contractor plan to use per location, type and quantity of equipment and personnel, work/location sequence, estimated time per location, and control devices (if needed) to identify the work areas and allow no interruption to traffic and operations.

**Work hours:**

Approved hours for project work are 24/7. Strict coordination is needed during the execution of the project, to ensure minimal impact to traffic and operations. If overnight and weekend work will take place, the Contractor shall familiarize and work in compliance with all applicable local, state, and federal noise restriction ordinances.

**Project duration / completion date requirements:**

The duration of project shall be 150 calendar days, from issuance of an official Notice to Proceed (NTP) from JPA.

**Substantial Completion and Punch List:**

See Jaxport’s bid/contract documents (General Conditions, Special Conditions, etc.).

**Warranty:**

See Jaxport’s bid/contract documents (General Conditions, Special Conditions, etc.).

**Insurance and Bonds**

See Jaxport’s bid/contract documents (General Conditions, Special Conditions, etc.).

**Contract documents:**

See Jaxport’s bid/contract documents (General Conditions, Special Conditions, etc.).

**Federal Requirements/Regulations:** The Contractor shall meet all applicable Federal Regulations and Secretary of Labor Requirements, including the Davis Bacon Act. See Jaxport’s bid/contract documents (General Conditions, Special Conditions, etc.).

**General/Technical Specifications** (See also: Jaxport’s Public Safety’s presentation, Pre-fabricated Guard Booth Technical Specifications, General Specs and Project Requirements, and project drawings)

**I. General:**

**a. References**

- i. Jaxport’s Scope of Work, Drawings, and Specifications, Florida Building Code, NEC, NEMA, TIA, FDOT, the JPA, the COJ, the ASTM, the ACI, OSHA, UL, Jaxport’s Public Safety’s presentation, Pre-fabricated Guard Booth Technical Specifications, General Specs and Project Requirements.

**b. Summary**

- i. Jaxport has identified the need to replace six (6) security guard booths at TMT Main Gate, and two (2) security guard booths at BIMT Main Gate. This project will include, but is not limited to, replace (remove and install) booths, electrical/network infrastructure. At TMT Main Gate, the existing concrete slabs/footings need to be modified/extended to accommodate the extra length required for stairs and landings.

**c. Field conditions**

- i. The Contractor shall verify and confirm field conditions prior to commencement of work.

**d. Coordination**

- i. All coordination and communication shall be made primarily through the Jaxport’s Project Manager.

**e. Submittals** (See also: Jaxport’s Public Safety’s presentation, Pre-fabricated Guard Booth Technical Specifications, General Specs and Project Requirements, and project drawings)

**i. Administrative Submittals**

- a) Project Schedule & Work Plan
- b) MOT Plan
- c) Safety Plan

**ii. Technical Submittals**

- a) Booths submittals, catalog, cut sheets, shop drawings. This shall include, but may not be limited to, booths, stairs, landings, support structure, factory installed equipment, devices, fixtures, load/engineering calculations.
- b) Electrical and network materials: conduits, cables, boxes, fittings

- c) IT Equipment/devices (if applicable and if different to what is specified in JPA’s documents)
- d) Concrete Mix
- e) Rebar
- iii. Post-installation Submittals
  - a) O & M Manuals for all equipment and devices installed
  - b) Ground tests results
  - c) Electrical test results
  - d) Fiber Optic (OTDR) tests results (if applicable)
  - e) As-built drawings
  - f) General Warranty and installed products/equipment warranties

## **II. Materials / Products / Execution**

### **a. General**

- i. All materials, equipment and devices furnished and installed, and all labor shall be following JPA’s contract documents and all applicable codes, standards, and regulations, including but not limited to Florida Building Code, NEC, NEMA, TIA, FDOT, the JPA, the COJ, the ASTM, the ACI, OSHA.
- ii. The Contractor shall include all means and methods necessary to facilitate construction/installation.
- iii. The Contractor shall be responsible to prepare and implement their own Safety Plan.
- iv. The Contractor shall perform all ground tests as specified in the JPA’s contract documents. The Contractor shall submit all ground tests results to the Jaxport’s Project Manager.

### **b. Materials / Equipment / Devices**

- i. All material/equipment/device proposed by the Contractor shall be per approved submittal.
- ii. **IT Equipment** (See also: Jaxport’s Public Safety’s presentation)
  - a) TMT Central Cabinet
    - i. (1) Panduit 24 Port Cat6 Patch Panel, 1U (NK6PPG24Y)
    - ii. (1) Ditek 24 Port Rack Mounted Surge Suppression (DTK-RM24NETS)
  - b) Security Booths
    - i. For each booth requiring network connectivity pull (4) new CAT-6 unshielded cables terminated inside a wall junction box with a (4) port keystone faceplate.
    - ii. Junction box and cable faceplate shall be mounted underneath the counter top inside the new security booth.



- iii. Furnish and install one (1) 4-Port Keystone faceplate, keystones, and mounting junction box.

**iii. Asphalt/concrete removal/demolition and excavation**

- a) The Contractor shall sawcut asphalt prior to removal/demolition
- b) All excavated material, debris and waste resulting from this job shall be properly and legally hauled off the terminal in a daily basis.
- c) The contractor shall remove the existing asphalt (and base material if needed) to a minimum depth of 8 inches, to accommodate the new concrete slab/footing (extension to existing footing).
- d) The Contractor shall prevent surface water from entering the excavation.
- e) All excavated areas shall be proof rolled.
- f) If soft soil pockets and unsuitable materials are encountered during excavation, and / or areas yield under the proof rolling, the Contractor shall immediately notify the JPA Project Manager, and shall not proceed with rebar/concrete placement. The unsuitable materials should be removed and replaced with compacted structural fill. The base elevation may be re-established by backfilling, with lean concrete, or with a well-compacted, suitable fill such as limerock, clean sand, gravel, or crushed stone (#57).
- g) All material needed to backfill, including material to substitute removed soft soil, shall comply with the latest FDOT and ASTM standards.
- h) The Contractor shall furnish and install a vapor barrier as specified in the project drawings

**iv. Security Booths:** (See also: Jaxport’s Public Safety’s presentation, Pre-fabricated Guard Booth Technical Specifications, General Specs and Project Requirements, and project drawings)

- a) The Contractor shall install and anchor the new booths, stairs, landings, equipment, devices, fixtures, etc. following the manufacturer’s instructions and recommendations.
- b) Construction/manufacturing, materials, and installation of New Security Booths shall be following all applicable building codes.
- c) All Security Booths shall be equal or similar to Porta-King Model 7648SW, with dimensions, layout, features, equipment, devices, fixtures as indicated below and specified and shown in project documents and drawings:
  - i. 90” minimum interior height
  - ii. Stainless steel counter top (interior)

- iii. Room overhead interior above the desk area to install air handler for 12,000 BTU ductless mini-split heat pump
  - iv. Full pane glass inserts on front of booth
  - v. Transaction windows should be 42” W by 46” T on both sides of the booth
  - vi. Exterior window sill height to be 38” (inside sill height 34” from finish floor)
  - vii. Door shall swing outward over landing pad of stairs (TMT), and over concrete slab/pad (BIMT)
  - viii. Doors shall include ADA lever lockset and ADA hydraulic door closer. All booth door locks shall be keyed the same. A total of 12 keys shall be provided for booths.
  - ix. Heavy Duty push buttons to control gate arm operators, pre-labeled “Up” for gate-arm up, and “Down” for gate-arm down.
  - x. Minimum electrical requirements as follows:
    - 1. Single phase, 100-amp capacity load center with main breaker, pre-wired conduits, with capacity for at least one (1) 230 V circuit, and four (4) 115 V circuit, and two (2) spare circuits.
    - 2. Furnish a minimum of three (3) 115 V duplex outlets, and one (1) 230 V single outlet.
    - 3. Lighting fixture should be able to receive LED bulbs, or have LED lights installed by the manufacturer
  - xi. **TMT Main Gate** - Booths shall be **4’ x 6’, elevated** (see drawings); the Booth’s manufacturer shall include the stairs, landing platforms, legs, and all support structure to install the Booths at the elevation specified in the project documents.
  - xii. **BIMT Main Gate** - Booths shall be **4’ x 6’, not elevated**
- v. **Reinforced concrete** (for booths’ footings modification / expansion at TMT Main Gate):
- a) All materials for concrete (including aggregates) shall be according to approved mix designs, and in compliance with all applicable codes, standards and regulations, including but not limited to ACI, ASTM, FDOT. The Contractor shall submit for review and approval all concrete mix designs to be used in the project. All concrete work shall conform to the requirements of the latest edition of the ACI 318 and ACI 301.

- b) Concrete shall be Portland Cement Concrete, with a minimum compressive strength of 3,000 PSI. High Early Strength concrete can be used to minimize project impact to Jaxport and /or Tenant operations.
  - c) The minimum reinforcing cover shall be 3 inches (see drawings).
  - d) Steel reinforcement (rebar) for concrete shall be deformed bars (see drawings), per ASTM A615 GR. 60.
  - e) The thickness of the concrete footing shall be 8 inches (see drawings).
  - f) The Contractor shall provide and implement an acceptable method for curing the new concrete to avoid shrinkage and cracks, per applicable standards and industry best practices.
- vi. **Conduits** (See also: Jaxport’s Public Safety’s presentation, Pre-fabricated Guard Booth Technical Specifications, General Specs and Project Requirements, and project drawings):
- a) General:
    - i. All new conduit shall be rigid aluminum and be 2” reduced to no smaller than ¾” or fitted to tie into existing conduit as needed. Final conduit sizes must be approved by JAXPORT I.T., Engineering, or Physical security.
    - ii. All new conduit shall be installed above ground in the overhead canopy area
    - iii. Seal all conduit connections to prevent water intrusion
    - iv. Contractor shall install, as required by the project, minimum new ¾” rigid aluminum conduit from each new security booth to nearest overhead junction box that have an existing path back to the centralized network cabinet.
    - v. Contractor shall leave (1) spare pull string after all cable is pulled in all new conduit runs.
    - vi. Contractor shall seal all new conduit penetrations into overhead junction boxes and penetrations into new security booths.
  - b) Power/Electrical: existing underground electrical conduit shall be utilized, and extended with, and / or in addition to, new conduit, fittings, junction boxes, etc. as needed to make connections to new booths.
  - c) Network: Existing underground networking conduit to each booth shall be demoed flush with finish grade, abandoned, and capped or sealed. New conduit (and fittings) from new booths to existing overhead junction boxes shall be furnished and installed to make connections to new booths.

vii. **Cables** (See also: Jaxport’s Public Safety’s presentation, Pre-fabricated Guard Booth Technical Specifications, General Specs and Project Requirements, and project drawings):

a) Power/Electrical

- i. The Contractor shall reuse existing electrical feeders / wiring. New feeders (spliced to existing-to-remain feeders) from new junction boxes to new booths shall be installed. Junction boxes shall be installed to splice new electrical feeders to existing-to-remain feeders. This includes wiring for all equipment, components, including gate arm operators. This shall also include wiring for CBP RPM equipment if Owner’s Option is approved.
- ii. The Contractor shall be responsible to size the cables in compliance with the NEC.

b) Network (per IT’s Requirements/Specifications):

- i. All existing Cat. 6 cabling between the guard booths and the stainless-steel CCTV enclosure in lane 4 shall be removed from the booth and abandoned.
- ii. The Contractor shall install new cables (per specifications) from new booths to existing overhead junction boxes and existing network centralized cabinet.
- iii. Fiber Optic (if applicable): single mode, stranded loose-tube, with water blocking element, 6 strands, and / or as specified in the JPA’s contract documents.
- iv. All cabling shall be properly rated for the environment in which it is being installed.
- v. All data/communications cable runs shall be labeled in accordance with Telecommunications Industry Association (TIA) 606-C labeling guidelines
- vi. Contractor shall leave (1) spare pull string in all conduit runs after all cable is pulled
- vii. Contractor shall utilize standard unshielded Cat. 6 ethernet cabling for all cabling runs.
- viii. Contractor shall ensure that all new equipment mounted inside cabinet enclosures are properly grounded to the cabinets grounding bar.

- ix. Contractor shall, as required, re-terminate existing to remain fiber or Cat. 6 connections that are accidentally damaged in the course of this project.
- x. If Owner’s Option is approved by Owner, the Contractor is responsible to communicate and receive authorization from JAXPORT and CBP prior to removal/demolition of RPM booths, and removal/installations of all cabling, equipment, and infrastructure that support booths with a CBP RPM’s: TMT lanes 5 & 6 booths, and BIMT lanes 7 & 8 booths.
- xi. Crowley’s Security Booth – Lane 4 (Existing booth to remain)
  - 1. Contractor shall not remove conduit, cabling, or equipment associated with Crowley’s security booth.
  - 2. Crowley has existing 1” rigid aluminum conduit which runs between the Crowley security booth and the lane 5 booth. Crowley shall be responsible for re-working existing conduit and cabling to support their security booth.
  - 3. No JAXPORT network cabling exists between the lane 5 booth and the Crowley security booth.

viii. **Asphalt** (if applicable):

- a) SP12.5 mix
- b) If asphalt repair works are specified or needed, all materials and labor shall comply with the latest edition of the FDOT Standards, Sections 327, 300, 330, 334, 916 and 911.
- c) Provide, place and compact asphalt to match existing thickness and elevations, following the latest FDOT Standards

TMT AND BIMT SECURITY BOOTHS REPLACEMENT

JAXPORT PROJECT # G2021-04

JAXPORT CONTRACT # MC-1783AR

**GENERAL SPECIFICATIONS AND PROJECT  
REQUIREMENTS**

**JACKSONVILLE PORT AUTHORITY**  
**SUMMARY OF WORK**

PART 1. - GENERAL

1.1 SUMMARY

- A. The scope of the work includes removal of existing security guard booths, and installation of new security guard booths at Talleyrand Marine Terminal and Blount Island Marine Terminal as specified on the drawings and herein.
- B. At TMT Main gate: Remove 6 existing security booths ~ 6' x 10' (all lanes, inbound and outbound) and replace with new 4' x 6' elevated security booths. Galvanized steel support structure, stairs and landing platform shall be included. Four (4) of the booths are part of the Base Bid; two (2) of the booths are Owner's Option (see project SOW).
- C. At BIMT Main gate: Remove 2 existing security booths ~ 4' x 4' (lanes 7 and 8 outbound) and replace with new 4' x 6' security booths. Both (2) booths are Owner's Option (see project SOW).
- D. Contractor shall provide a Work Plan, including:
  - 1. Description of how work will be performed at both locations. Description shall include the closure of lanes, how equipment and conduits will be removed and protected and similarly how re-connected.
  - 2. Description of how IT equipment will be tested after reconnecting (if applicable).
  - 3. Submit qualifications of personal that will be performing the disconnection, reconnection and testing of equipment.
- E. The requirements contained in other sections of the Contract Documents are made a part hereof by reference and shall be considered as integral requirements of this section. The Contractor shall consider them in detail for instructions pertaining to its work and shall be responsible for, and governed by, all the requirements therein.

## 1.2 RELATED WORK

- A. All Division 16 Electrical sections apply to the work specified in this section.

## 1.3 REFERENCES, CODES AND REGULATIONS

- A. It is not the intention of this section to provide all details of design and fabrication. The Contractor shall ensure that the equipment has been designed and fabricated in accordance with applicable engineering codes and standards. When specific requirements are stated in this section that exceed and/or overlap those requirements of the codes and standards referenced herein, this section shall govern.
- B. This section is based on the latest applicable codes and standards in force at the time the Specification is issued for bid. Should the applicable codes or standards listed herein be revised before or after the award of the Contract, the Contractor shall inform the Owner immediately, in writing, upon receipt of such information. Before adoption of any subsequent issue, the Contractor shall identify the changes in writing and shall not proceed with engineering, material and/or fabrication changes without the Owner’s written permission.
- C. Design, material, fabrication, testing, inspection, certification, documentation and operation shall conform to the following referenced codes, regulations, standards and specifications.
  - 1. Regulations agencies:

US Customs and Border Patrol, US Coast Guard, Department of Homeland Security, Transportation Security Administration, TWIC Final Rules and Requirements, Jacksonville Port Authority, JEA, COJ
  - 2. JAXPORT IT Standards
  - 3. American National Standards Institute (ANSI)
  - 4. American Society of Testing and Materials (ASTM)
  - 5. Federal Communications Commission (FCC)
  - 6. General Services Administration (GSA)



7. Institute of Electrical and Electronics Engineers (IEEE)
  8. International Standards Organization (ISO)
  9. Insulated Cable Engineer Association (ICEA)
  10. National Electrical Manufacturers Association (NEMA)
  11. National Fire Protection Association (NFPA)
  12. Occupational Safety and Health Act (OSHA)
  13. Underwriters' Laboratories (UL)
  14. Applicable Federal, state and local laws, regulations, ordinances and codes.
- D. In the event of conflicting requirements between the authorities cited above or between authorities cited and those specified, such disagreements shall be resolved by the Owner.
- E. Nothing in this section, including invocation of certain specific codes, standards or specifications, shall relieve the Contractor of the responsibility for compliance with the codes, standards or specifications which are generally recognized to be applicable to the work specified herein.
- 1.4 SUBMITTALS (See the General SOW, Notes and Specifications, and the Prefabricated Guard Booths Technical Specifications for additional requirements on submittals)
- A. Unless noted otherwise in General Conditions, within 30 days of award of Contract, the Contractor shall submit manufacturer's specification or data sheets for all equipment to be utilized.
- B. The Contractor shall submit the following:
1. Manufacturers Installation and Programming Instructions
    - a. Provide Manufacturers Installation and Programming Instructions as requested in the various Specification Sections.
  2. Project Record Drawings

- a. Project Record Drawings are an important element of this Work. Contractor shall accurately maintain Project Record Drawings throughout the course of this project. Project Record Drawings shall include documentation of all Work, including the documentation of existing equipment, fiber, wiring, conduits, and raceways that are to be reused in the Work.
  - b. Contractor shall maintain a working set of Project Record Drawings at the project site throughout the course of the Work. The working set shall be updated on a daily basis as the Work progresses.
  - c. Project Record Drawings shall accurately show the physical placement of the following:
    - 1) Placement of new guard booths
    - 2) New network and electrical infrastructure
    - 3) New equipment
3. Project Record Drawings shall be available for inspection by JPA Project Manager on a daily basis. Incomplete or inaccurate Project Record Drawings may be cause for delay of Contractor's payment.
  4. Upon completion of Work, and prior to Final Acceptance, Contractor shall prepare and submit to JPA Project Manager a final record set of Project Record Drawings. This set shall consist of all data transferred from the working set. The final record set of Project Record Drawings shall be drafted by a skilled draftsman, under the supervision of Contractor. All final Project Record Drawings shall be provided to JPA.
  5. System Documentation (if applicable):
    - a. Definition: System Documentation is a complete collection of all installation, programming, operation, and maintenance manuals and work sheets relating to the equipment provided as part of the Work.
    - b. Contractor shall maintain a file of System Documentation at the project site throughout the course of the Work. Such file shall be updated with new information as equipment is received and installed. System Documentation shall be available for inspection by JPA Project Manager on a daily basis.
    - c. Upon completion of Work, and prior to final Acceptance,

Contractor shall prepare and submit to JPA Project Manager one (1) set of Printed System Documentation.

6. Closeout Submittals

- a. Provide a set of as-built drawings and manuals to the JPA Project Manager
  - 1) As-Built Drawings
  - 2) Mounting Details
  - 3) Product Data
  - 4) Installation Manuals
  - 5) Operating Manuals
  - 6) Maintenance/Service Manuals

- 7. Provide the JPA Project Manager with all keys to the booth doors, as-built drawings, operating manuals, maintenance/repair manuals, spare fuses, spare parts, etc.

1.5 SEQUENCING

- A. Description: This implementation plan describes the general approach that shall be followed in order to minimize the time of disruption to the daily operations.
- B. General Approach

Contractor shall plan and schedule all work in such a sequence as to minimize the time that a lane/guard booth will be out of operation. The following is a suggested approach to be used as a guideline to the sequence of work:

- 1. Order all equipment needed and notify any subcontractors to schedule their participation.
- 2. Perform all system layout work.
- 3. Ensure there are an adequate number of power receptacles in the new guard booths to run all existing equipment.
- 4. If applicable, all systems components will be tested, verified and documented in writing (with JPA and the contractor) that they are operating according to design. All communication cables (both copper and fiber) need to be tested prior to any cables being disconnected to get a baseline reading.
- 5. Provide shop drawings to verify location of all equipment, conduit runs, power connections, etc. Submit shop drawings to JPA Project Manager.

6. Coordinate with JPA for access to main electrical panels in order to disconnect power.
7. Prepare and pre-test all new termination of cables to the greatest extent possible.
8. Remove all existing equipment
9. Install new guard booth.
10. Test and inspect all systems.
11. Perform all other Work as required.
12. Provide as-built drawings.

#### 1.6 SCHEDULING

- A. The Contractor, within five (5) days after being awarded the contract, shall prepare and submit for JPA’s information, an estimated progress schedule for the Work. The progress schedule shall be related to the entire project, and shall indicate all main activities with start and completion dates.

#### 1.7 TESTING (where applicable)

- A. After all Work is completed, and prior to requesting the Acceptance test, Contractor shall conduct a final inspection, and test all equipment and system features. Contractor shall correct any deficiencies discovered as the result of the inspection and pre-test. Check all test results against the base line done at the start of the project. If any cables are not the same or above the baseline test, re-terminate and test again until corrected.
- B. Once all equipment has been reinstalled, it shall be retested against the original system verification that was done at the beginning of the project. This will be done with JPA and the contractor present to verify that all components are working as test at the beginning of the project.
- C. Contractor shall submit a request for the Acceptance test in writing to the JPA Project Manager, no less than fourteen days prior to the requested test date. The request for Acceptance test shall be accompanied by a certification from Contractor that all Work is complete and has been pre-tested, and that all corrections have been made.
- D. During Acceptance test, Contractor shall demonstrate all equipment and system features to JPA. Contractor shall remove covers, open wiring connections, operate equipment, and perform other reasonable work as requested by JPA.
- E. Any portions of the Work found to be deficient or not in compliance with the Project Drawing and Specifications will be rejected. JPA Project Manager will

prepare a list of any such deficiencies observed during the Acceptance test. Contractor shall promptly correct all deficiencies. Upon correction of deficiencies, Contractor shall submit a request in writing to JPA Project Manager for another Acceptance Test.

- F. If, at the conclusion of the Acceptance Test, all Work is found to be acceptable and in compliance with the Project Drawings and Specifications, JPA Project Manager will issue a letter of Acceptance to Contractor and JPA.

## 1.8 QUALITY ASSURANCE

### A. Supervision

1. Contractor shall employ a competent Foreman to be in responsible charge of the Work. Foreman shall be on the project site daily during the execution of the Work.
2. Contractor's Foreman shall be a regular employee, principle, or officer of Contractor, who is thoroughly experienced in projects of a similar size and type. Contractor shall not use contract employees or Subcontractors as Foremen.

### B. Qualifications of Technicians

1. If applicable, all electronic systems Work shall be performed by electronic technicians thoroughly trained in the installation and service of specialty low-voltage electronic systems.
2. Journeyman Wireman electrical workers may be used to install conduit, raceways, wiring, and the like, provided that final termination, hook-up, programming, and testing is performed by a qualified electronic technician, and that all such Work is supervised by the Contractor's Foreman.
3. All incidental Work, such as cutting and patching, lock hardware installation, painting, carpentry, and the like, shall be accomplished by skilled craftsperson's regularly engaged in such type of work. All such Work shall comply with the highest standards applicable to that respective industry or craft.
4. All 120 VAC power wiring and connections are to be performed by a qualified Journeyman Wireman, licensed to perform such Work.

C. Subcontractors

1. Definition: A Subcontractor is a person or entity who has a direct contract with the Contractor to perform any of the Work at the site.
2. Use of any Subcontractor is subject to the approval of JPA. Upon request, the Contractor shall submit a list identifying all Subcontractors. The Contractor shall make no substitution for any Subcontractor previously selected without approval from JPA.
3. Contractor's Foreman shall be on the project site daily during all periods when Subcontractors are performing any of the Work. Contractor's Foreman shall be in responsible charge of all Work, including any Work being performed by Subcontractors.
4. By an appropriate written agreement, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by the terms of the Drawings and Specifications, and to assume toward the Contractor all the obligations and responsibilities which the Contractor, by these documents, assumes toward JPA.

D. Supervision and Construction Procedures

1. The Contractor shall supervise and direct the Work, using his best skills and attention. Contractor is solely responsible for all construction means, methods, and techniques.
2. The Contractor shall employ a competent foreman who shall be in attendance at the project site during the progress of the Work. The foreman shall represent the Contractor and all communications given to the foreman shall be as binding as if given to the Contractor.

E. Regulatory Requirements

1. All Work is to conform to all building, fire, and electrical codes and ordinances applicable to Jaxport. In case of conflict between the Drawings/Specifications and codes, the codes shall govern. Notify JPA Project Manager of any such conflicts.

2. Contractor shall secure and pay for all licenses, permits, plan reviews, engineering certifications, and inspections required by regulatory agencies. Contractor shall prepare, at Contractor's expense, any documents, including drawings that may be required by regulatory agencies.

F. Permits

1. The Contractor shall make application for and obtain any and all permits required by federal, state, county, city, or other authority having jurisdiction over the work.

1.9 MAINTENANCE SERVICES – WARRANTY

- A. Contractor warrants that all Work furnished (material and labor) under this Contract will be of good quality, free from faults and defects, and in conformance with the Project Drawings and Specifications.
- B. Contractor shall provide a parts and labor guarantee on all Work. Unless otherwise specified herein, Contractor's guarantee shall be for a minimum period of one (1) year from date of Acceptance, except where any specific guarantees from a supplier or equipment manufacturer extends for a longer time.
- C. Contractor's guarantee shall cover all costs associated with troubleshooting, repair, and replacement of defective Work, including costs of labor, transportation, lodging, materials, and equipment.
- D. Contractor shall promptly respond to JPA's requests for service during the guarantee period. Contractor shall provide repair service as soon as reasonably possible upon request from JPA, but in no case shall service response exceed 8 hours from time of request.

1.10 MAINTENANCE

- A. Provide full documentation for the equipment being installed with the manufacture's recommend maintenance requirements.

1.11 OPERATIONAL REQUIREMENTS:

- A. Overview

1. The contractor shall remove and replace security booths and reconnect all electrical and IT equipment to work as it did before replacement.
2. Jaxport will retain one (1) removed booth. The contractor shall transport that one (1) old booth to a location on TMT as directed by the JPA project manager.
3. The contractor shall legally dispose of the remaining security booths removed.

## PART 2 - PRODUCTS

### 2.1 GENERAL DESIGN REQUIREMENTS

#### A. Operating Environment

1. All outdoor-installed components shall be rated to operate in an ambient environment of:
  - a. Temperatures between 30 degrees F and +115 degrees F.
  - b. Relative humidifies up to 100 percent at +100 degrees F.
  - c. Wind gusts up to 130 miles/hour per Florida Building Code.
  - d. Rainfall rates up to 6 inches/hour for periods up to 60 minutes.

## PART 3 - EXECUTION

### 3.1 DELIVERY, STORAGE AND HANDLING

- A. Components shall be delivered properly packaged in factory-fabricated type containers or wrappings which properly protect equipment from damage. The Contractor shall be responsible for all damaged equipment due to improper preparation for shipment.
- B. Equipment subject to deterioration by humidity at the project site shall be provided with plastic covers forming a vapor seal and an adequate quantity of desiccant. Desiccant shall be either visible or stored in a manner which can be



easily reached for inspection and replacement. Equipment so protected shall be noted on the packing list.

- C. Components shall be stored in original cartons in a clean dry space protected from weather and construction traffic. The Contractor shall be responsible for observing the equipment manufacturers storage and handling procedures as required to maintain any implied or stated warranty.
- D. Components shall be handled carefully to avoid breakages, impacts, denting and scoring finishes. Damaged equipment shall not be installed but returned for replacement.

### 3.2 INSTALLATION REQUIREMENTS

#### A. Examination

- 1. The Contractor shall examine areas and conditions under which the specified components are to be installed and notify JPA, in writing, of conditions detrimental to proper completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in an acceptable manner.

#### B. Installation

- 1. Components shall be installed in accordance with equipment manufacturer's written instructions, in compliance with NFPA 70, "National Electrical Code (NEC)," and ANSI C2, "National Electrical Safety Code," and with recognized industry practices, to ensure that the final product meets all requirements stated herein and serves its intended purposes.
- 2. Surface-mounted equipment shall be securely fastened. The Contractor shall ensure that this equipment is plumb and level.
- 3. Connectors and terminals, including screws and bolts, shall be tightened in accordance with equipment manufacturer's published torque tightening values. Where manufacturer's torqueing requirements are not indicated, tighten connectors and terminals to comply with the tightening torques specified in UL 486A/13, "Wire Connectors and Soldering Lugs for Use with Copper/Aluminum Conductors," and the NEC.

C. Grounding

1. Equipment grounding connections for specified components shall be provided. Ground connections shall be tightened to comply with the tightening torques specified in UL 486A to assure permanent and effective grounds.
2. The Contractor shall ensure and demonstrate that resistance to solid earth for signals is less than, or equal to, 3 ohms.

D. Adjusting and Cleaning

1. Upon completion of installation of the specified components, the Contractor shall set all field-adjustable controls/components and align and calibrate all equipment for the required performance and operation as specified herein.
2. The Contractor shall touch-up scratched and marred surfaces to match the original finishes.
3. Installed components shall be protected from damage during the remainder of the construction period.

E. Field Quality Control

1. If applicable, prior to turning on electronic hardware, the Contractor shall test all field-run wires and cables for electrical continuity and short circuits and to ensure proper polarity of all connections.
2. Upon reaching Substantial Completion, perform a complete test and inspection of the system. If found to be installed and operating properly, notify JPA of your readiness to perform the formal Test & Inspection of the complete system.
3. Submit the Record Drawings (as-builts) to JPA for review prior to inspection.
4. During the formal Test & Inspection of the system, have personnel available with tools and equipment to remove devices from their mounts to inspect wiring connections. Provide wiring diagrams and labeling charts to properly identify all wiring.

5. If corrections are needed, the Contractor will be provided with a Punch-List of all discrepancies. Perform the needed corrections in a timely fashion, not to exceed 30 calendar days.
6. Notify JPA when ready to perform a re-inspection of the installation.

### 3.3 INSPECTIONS AND TESTS

#### A. Inspections

1. The prime responsibility for inspection of all materials and work furnished by the Contractor pursuant to the Contract rests with the Contractor. The inspection or waiving of inspections by JPA shall not relieve the Contractor of any obligations or responsibilities to perform in accordance with the Contract.

#### B. Field Verification Tests

1. Where possible, malfunctioning components shall be corrected at the site; otherwise, the Contractor shall remove and replace. Upon correction/replacement, the component shall be retested.
2. If applicable, system hardware acceptance will be provided by JPA upon satisfactory completion of the approved system hardware verification tests at the site.

TMT AND BIMT SECURITY BOOTHS REPLACEMENT

JAXPORT PROJECT # G2021-04

JAXPORT CONTRACT # MC-1783AR

**PREFABRICATED BOOTHS TECHNICAL  
SPECIFICATIONS**

**JACKSONVILLE PORT AUTHORITY  
PRE-FABRICATED GUARD BOOTH**

PART 1 – GENERAL

1.1 SUMMARY

- A. Provide all labor, equipment and materials to furnish and install prefabricated portable metal or a combination of metal and fiberglass reinforced plastic (FRP) Control Booths as specified below.

1.2 RELATED WORK

- A. Drawings and general provisions of Contract, including Contractual Conditions and other Specification Sections, apply to this Section.
- B. Electrical service supply and connection.
- C. Disconnecting and reconnecting of Communication and Network Cabling.
- D. Removal of existing fiber optic cabling and re-terminating it.
- E. Site/foundation work.
- F. Unloading, placement, installation and anchoring.

1.3 SUBMITTALS

- A. General: Submit the following according to the Conditions of the Contract.
  - 1. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each security booth.
  - 2. Technical Data: Provide technical data sheets and material Safety data sheets for product specified.
  - 3. Shop Drawings: Submit shop drawings for approval by the Owner prior to fabrication.
  - 4. Product Certificates: Signed by manufacturers of all products certifying that each product furnished complies with requirements specified here in and as per general conditions as required by the Owner.
  - 5. Installation and Maintenance Data: Installation information and maintenance manuals.

1.4 QUALITY ASSURANCE

- A. Structures shall be the product of a manufacturer with a minimum of 20 years-documented experience in the design and fabrication of portable steel buildings.
- B. The basis of design portable building manufacturer is Porta-King Building Systems, 4133 Shoreline Drive, Earth City, MO 63045, Ph 800-284-5346. And Fax 314-291-2857, [www.portaking.com](http://www.portaking.com).
- C. For approval of prefabricated buildings by manufacturers other than Porta-King Building Systems, the contractor shall submit sufficient data to enable approval to be given. As a minimum, submit design drawings and/or calculations, applicable certifications, catalog information, showing equal range of variety.
- D. Electrical devices factory installed within the prefabricated building shall be UL listed. Factory installed wiring system shall be in full compliance with the current NFPA's National Electrical Code.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver control booths to the project site in manufacturer's original, unopened package bearing names of products and manufacturer, project identification and shipping and handling instructions.
- B. Store prefabricated booths on flat surfaces.
- C. Prefabricated booths will be protected before, during and after the installation, as per manufacturer's instructions, until installations are acceptable by the Owner.

1.6 PROJECT CONDITIONS

- A. Do not install prefabricated booths over concrete slabs until concrete has cured and is sufficiently dry to bond with adhesive.
- B. General Warranty: Special warranties specified in this section shall not deprive the Jacksonville Port Authority of other rights Jacksonville Port Authority may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Proponent under requirements of the Contract Documents.
  - 1. Warranty Period: Ten (10) years from date of Contract Completion.
  - 2. Special Installer's Warranty: Ten (10) years from date of substantial completion. NDL (No Dollar Limit) during the warranty period for repair and or replacement for all defects in materials and workmanship.
  - 3. Special Anodized Aluminum Warranty: Five (5) year warranty on all anodized aluminum surfaces (window frame and door) from oxidation.

## 1.7 SYSTEM PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide building systems capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
1. The following codes and publications, of the latest edition, govern this work unless indicated or specified otherwise.
    - a. “Metal Building Systems Manual”: A publication of MBMA.
    - b. “Metal Finishes Manual or Architectural and Metal Products”: A publication of NAAMM.
    - c. “Architectural Sheet Metal Manual”: A publication of SMACNA.
    - d. Florida Building Code.
      - i. All applicable components shall have appropriate Florida Product Approval numbers.
  2. Design Loads: As indicated in this Section.
  3. Live Loads: The structure shall be designed to withstand a roof live load of 20 PSF and floor live load of 50 PSF in accordance with applicable code requirements. In addition, the metal roof panel assembly needs to be able to withstand a 380 pounds concentrated load induced by incidental foot traffic.
  4. Wind Loads: Design wind loads shall be based on the following criteria: Vult =130 mph, Vasd=101 mph, Risk Category II, Exposure C.
  5. Collateral Loads: Include additional dead loads other than the weight of the metal building system for permanent items such as electrical systems. Minimum collateral load shall be 5 PSF vertically applied at the roof level.
  6. Load Combinations: Per applicable codes.
  7. Provide metal panel assemblies capable of withstanding the effects of loads and stresses indicated, based on testing in accordance with all applicable ASTM Standards, including but not limited to E1592.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Available Manufacturers: Basis of Design and Quality intended: Porta-King Model #7648SW.
- B. Provide all labor, equipment and materials to furnish and install prefabricated portable anodized aluminum building(s) where shown on the drawings.

C. Related work Specified Elsewhere.

1. Electrical service supply and connection.
2. Communication connections
3. Site/Foundation work.
4. Unloading, placement, installation and anchoring.
5. Plumbing and piping (when required).

D. References

1. Upon request, the prefabricated building manufacturer shall provide the locations and owners of three (3) similar buildings that have been in service more than three (3) years. This will allow the Owner to inspect on site and obtain a statement from the owners on the quality of workmanship (fit and finish).

E. Submittals (See General SOW, Notes, Specifications, and General Summary of Work for additional requirements on Submittals)

1. Upon award of order, manufacturer shall prepare and submit copies of shop drawings as required for each different building required for this project. Drawings shall include elevations, section, floor plan, electric schedule, service entrance locations, and anchor clip detail.
2. Warranty documents.
3. For installed products indicated to comply with design loads, include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

## 2.2 PRODUCT CONSTRUCTION

- A. Building to be of aluminum construction, with natural satin anodized aluminum, or UV Stabilized Fiberglass Reinforced Plastic for interior/exterior surfaces. All anodized aluminum surfaces to carry a five-(5) year warranty from surface deterioration caused by oxidation. Building height to be as indicated on drawings.
- B. Structural members to be extruded aluminum angles, channels, and tee sections of structural alloy 6005T6, anodized 204R1, with ribbed pattern exterior surfaces – Heavy Duty Aluminum Tee's.
- C. Fasteners used to manufacture and assemble buildings to be corrosion-proof type and to permit on-site replacement of damaged components. Welded fabrication is not acceptable.



D. Wall and Ceiling Panels

1. As a minimum, wall panels to be 3/4” high-impact resistant and expansion resistant insulating OSB. Wall panels shall carry a five- (5) year warranty from swelling due to moisture absorption. Ceiling panel to be 3/4” thick, high impact resistant, moisture resistant, and expansion resistant insulating OSB with white vinyl permanently laminated to interior side, and plastic protective sheet laminated to upside. Ceiling panel to carry a five- (5) year warranty from swelling due to moisture absorption.
2. Provide R-10 wall and ceiling insulation.
3. Provide 90” minimum interior height

E. Finish

1. Clear anodized aluminum, diamond embossed sheet permanently laminated to exterior side. Interior to have vinyl walnut wood grain surface

**OR**

2. Exterior - UV Stabilized Fiberglass Reinforced Plastic (Gray). Interior - Fiberglass Reinforced Plastic (Gray).

F. Floor Structure

1. Floor structure to be an integral part of the building with 1 1/2” solid waterproof insulating core fit tight against panels and fastened to bottom structural base frame.
2. Finished floor shall be maintenance-free aluminum tread plate floor covering.

G. Doors

1. Doors to be of anodized aluminum, 1 3/4” tubular construction and half-glazed. Bottom portion to include panel finish to match interior and exterior building walls.
2. (1ea) Swing door to swing outward and shall include ADA lever lockset and ADA hydraulic door closer. All booth door locks shall be keyed the same. A total of 12 keys shall be provided for booths.

H. Windows and Glazing

1. Windows shall have anodized aluminum frames and inserts and to be industrial quality with active window panel to slide horizontally on stainless steel, ball-bearing rollers (plastic rollers are not acceptable). Windows to include inside positive locking device. Exterior window sill height to be 38” (inside sill height 34” from finished floor). Sliding windows (“transaction windows”) shall have minimum dimensions of 42” W by 46” T, located only at both long sides of booth (sides perpendicular to door side).
2. Windows to be glazed with 3/16” gray tinted tempered safety glass.

I. Counter

1. Furnish 22” deep, full-width stainless steel counter, per plans, 32” A.F.F.

J. Stairs and landing platform for elevated booths (Talleyrand Marine Terminal)

1. Furnish and install galvanized steel support structure (“legs” and base) for the booths (36” finish floor height).
2. Furnish and install galvanized steel stairs and landing platform (anti-slip panel) to provide access to the elevated booths (36” finish floor height).

K. Electrical

1. Electrical service to include single phase, 100 amp capacity load center with main breaker, pre-wired in conduit, with capacity for one 230 V circuit and four 115 V circuit capacity – provide two spare circuits. All electric work shall be in compliance with the National Electrical Code. All electrical components shall bear the UL label.
2. Furnish three 115 V duplex outlet, and one 230 V single outlet.
3. Lighting fixture should be able to receive LED bulbs, or have LED lights installed by the manufacturer
4. Include one 12,000 BTU ductless mini-split heat pump system.
5. Include (2ea) additional 115V duplex outlets.

L. Exterior Roof

1. Exterior waterproof roofs include ribbed anodized fascia trim, matching structural with integral, self-contained gutters. Provide a 3” overhang. Roof ships installed.
2. Provide (2 ea.) downspouts.

### PART 3 - EXECUTION

#### 3.1 GENERAL

- A. Install prefabricated buildings on flat and level concrete pad in accordance with the manufacturer's recommendations and placement drawings. Position units over utility stub-ups, verify building is level and anchored.

#### 3.2 INSTALLATION

- A. Units shall be shipped fully assembled, fully wired, fully glazed and thoroughly painted.
- B. Position units over electrical stub-up on level pad. Drill and set expansion type anchor bolts. Ensure all penetrations in ceiling, walls and floors are sealed.
- C. Connect power and data and seal around edges where the floor base meets the concrete pad.

TMT AND BIMT SECURITY BOOTHS REPLACEMENT

JAXPORT PROJECT # G2021-04

JAXPORT CONTRACT # MC-1783AR

**JAXPORT'S PUBLIC SAFETY PRESENTATION**

# JAXPORT Blount Island & Talleyrand Security Booth Enhancement

Supplemental – 3 – I.J. 2

PSGP Rd-20

# Talleyrand Marine Terminal



Jacksonville



Talleyrand Marine Terminal

# Talleyrand Marine Terminal



Main Gate

Google earth

© 2016 Google

30°21'05.64" N 81°37'24.02" W elev 11. ft eye alt 6075 ft

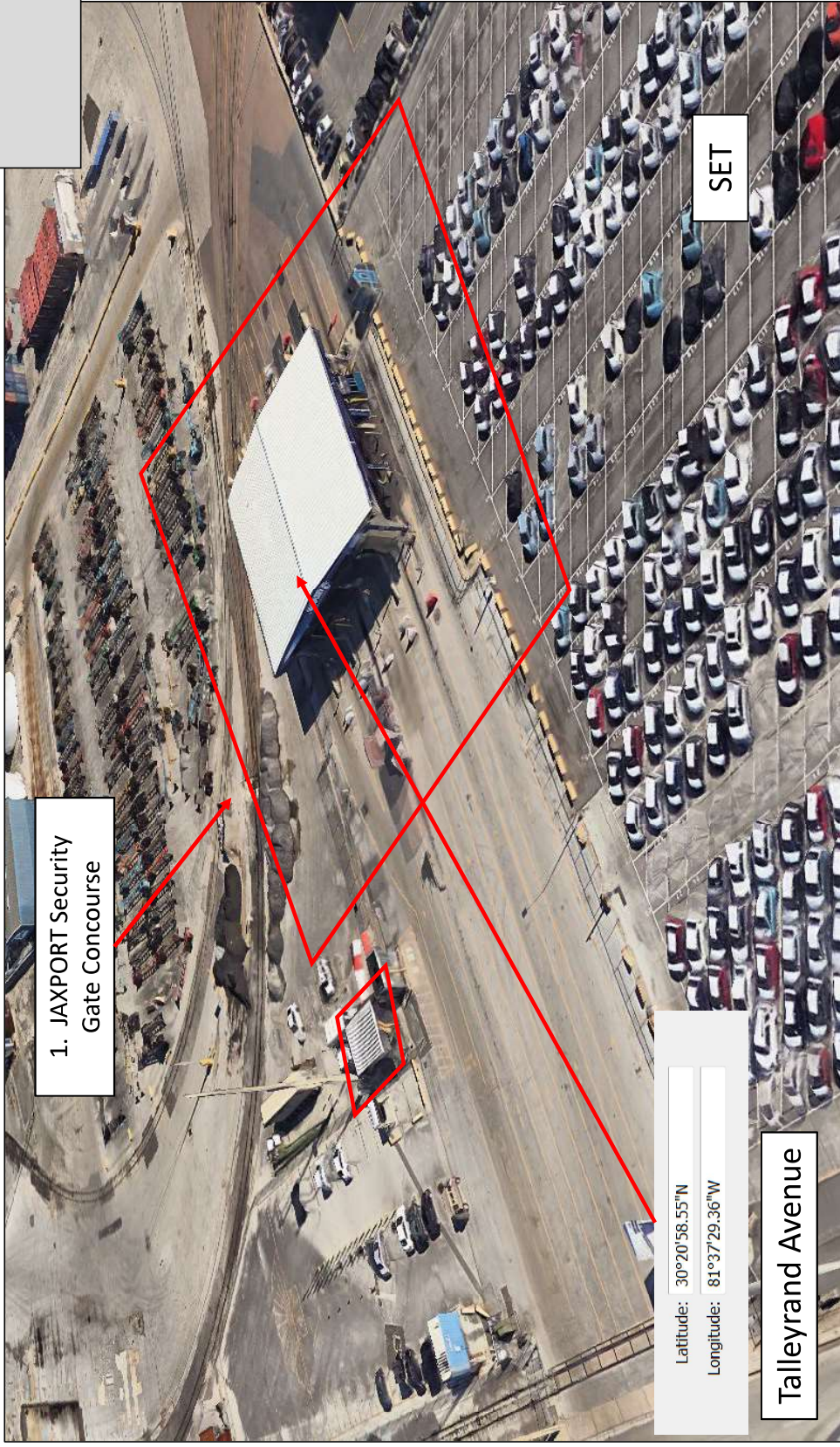
1994

Tour Guide

# Talleyrand Main Gate Overview

Areas:

1. Main Gate Lanes & Canopy



1. JAXPORT Security Gate Concourse

SET

Latitude: 30°20'58.55"N  
Longitude: 81°37'29.36"W

Talleyrand Avenue



## Talleyrand Main Gate City of Jacksonville Information

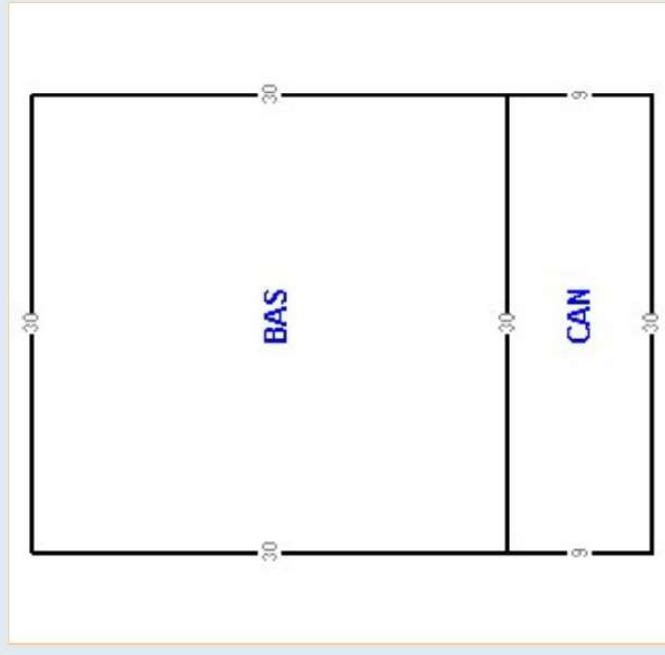
Building 1 Site Address  
 2701 TALLEYRAND AVE Unit  
 Jacksonville FL 32206

<b>Building Type</b>	4808 - UTILITY BLDG
<b>Year Built</b>	1998
<b>Building Value</b>	\$3,955.00

Type	Gross Area	Heated Area	Effective Area
Base Area	900	900	900
Canopy	270	0	108
<b>Total</b>	<b>1170</b>	<b>900</b>	<b>1008</b>

Element	Code	Detail
Exterior Wall	25	25 Modular Metal
Roof Struct	9	9 Rigid Fr/Bar J
Roofing Cover	12	12 Modular Metal
Interior Wall	7	7 None
Int Flooring	3	3 Concrete Fin
Heating Fuel	1	1 None
Heating Type	1	1 None
Air Cond	1	1 None
Comm Htg & AC	0	0 None
Comm Frame	5	5 S-Steel

Element	Code
Baths	0.000
Stories	1.000
Rooms / Units	1.000
Avg Story Height	20.000
Restrooms	0.000



## TMT MG Basic Project Scope

- 6 - Older 6' X 10' Security booths outlined in the following diagram will be removed.
- New **elevated** 4' X 6' security booths will be installed in accordance with local building codes.
- This project may require existing concrete slabs to be extended to compensate for the extra length required for stairs to be properly secured
  - Concrete slabs extensions (if needed) shall be in accordance with local building codes. Lengths, Widths and depths will be determined by the installer.
  - **NO OTHER GROUND DISTURBANCE WILL TAKE PLACE IN THIS PROJECT**
- Existing conduit shall be utilized in addition to new conduit and fittings as needed to make connections to new booths, re-routing to centralized network cabinet and electrical supply for power.
- If needed; All new conduit will be installed above ground in the overhead canopy area
- All new conduit will be rigid aluminum and be 2" reduced to no smaller than  $\frac{3}{4}$ " or fitted to tie into existing conduit as needed.
- **Note all conduit sizes must be approved by JAXPORT I.T. Engineering or Physical security.**

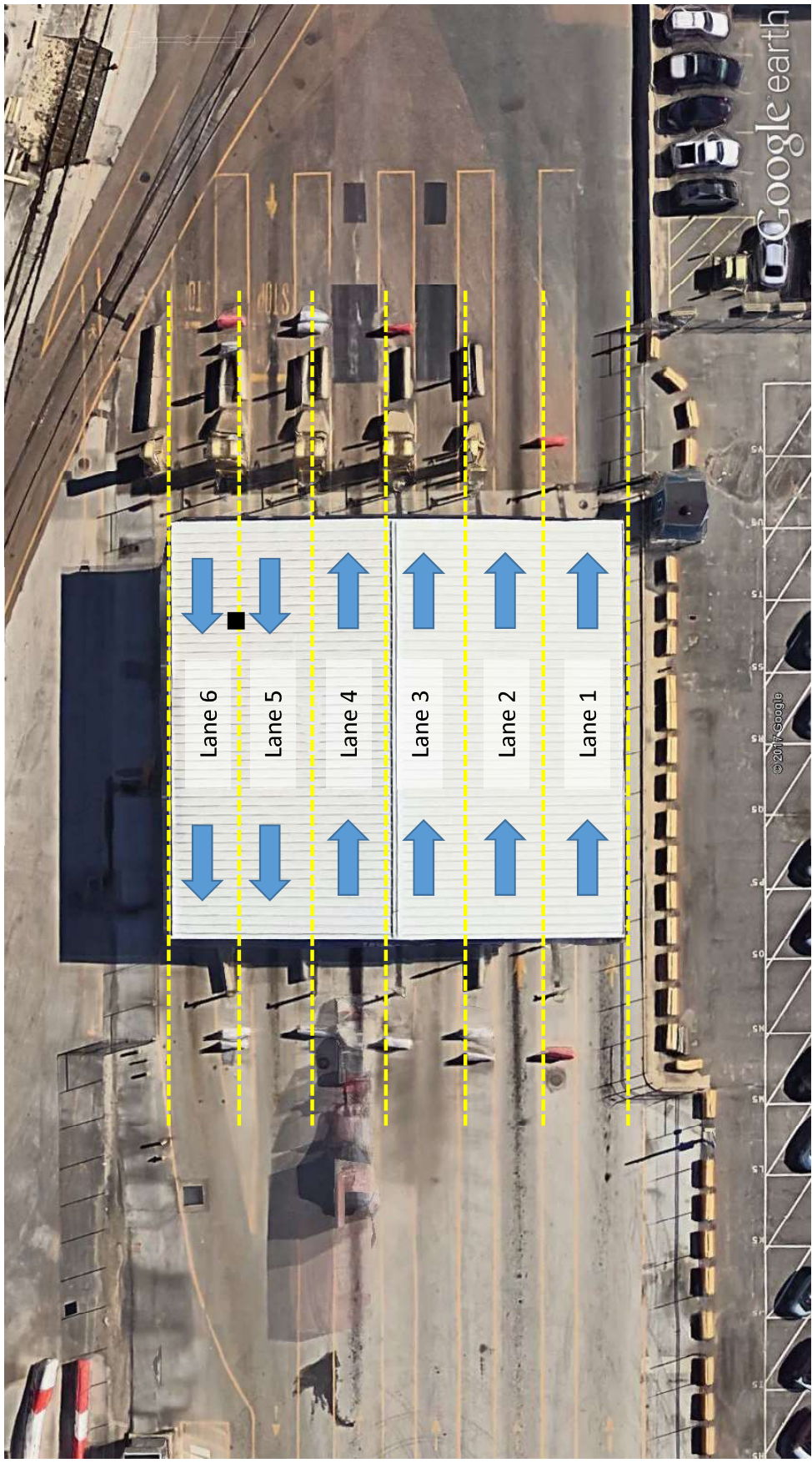
# JAXPORT I.T. General Requirements

- Contractor shall utilize standard unshielded cat6 ethernet cabling for all cabling runs.
- All cable runs shall be labeled in accordance with Telecommunications Industry Association (TIA) 606-C labeling guidelines.
- Contractor shall ensure that all new equipment mounted inside cabinet enclosures are properly grounded to the cabinets grounding bar.
- Contractor shall, as required, re-terminate existing to remain fiber or cat6 connections that are accidentally damaged in the course of this project.
- All conduit shall meet the following requirements
  - Contractor shall install, as required by the project, minimum new ¾" rigid aluminum conduit from each new security booth to nearest overhead junction box that have an existing path back to the centralized network cabinet.
  - Contractor shall leave (1) spare pull string after all cable is pulled in all new conduit runs.
  - Contractor shall seal all new conduit penetrations into overhead junction boxes and penetrations into new security booths.
- JAXPORT will configure all IP addressable devices prior to equipment installation.
- Existing Cabling Removal
  - All existing cat6 cabling between the guard booths and the stainless steel CCTV enclosure in lane 4 shall be removed from the booth and abandoned.
  - Existing underground networking conduit to each booth shall be demoed flush with finish grade and capped or sealed.
  - Contractor is responsible to communicate and receive authorization from JAXPORT and CBP prior to all cabling, equipment, and infrastructure removal/installations that support booths with a CBP RPMs.
    - BIMT lanes 7 & 8 booths
    - TMT lanes 5 & 6 booths
  - Crowley's Security Booth – Lane 4
    - Contractor shall not remove conduit, cabling, or equipment associated with Crowley's security booth.
    - Crowley has existing 1" rigid aluminum conduit which runs between the Crowley security booth and the lane 5 booth. Crowley shall be responsible for re-working existing conduit and cabling to support their security booth.
    - No JAXPORT network cabling exists between the lane 5 booth and the Crowley security booth.
- **New Equipment & Installation Notes**
- TMT Central Cabinet
  - (1) Panduit 24 Port Cat6 Patch Panel, 1U (NK6PPG24Y)
  - (1) Ditek 24 Port Rack Mounted Surge Suppression (DTK-RM24NETS)
- Security Booths
  - Install Notes:
    - For each booth requiring network connectivity pull (4) new cat6 unshielded cables terminated inside a wall junction box with a (4) port keystone faceplate.
    - Junction box and cable faceplate shall be mounted underneath the counter top inside the new security booth.
  - Equipment
    - (1) 4-Port Keystone faceplate, keystones, and mounting junction box.

# JAXPORT Security Gate Complex Lanes

## LEGEND

Network Cabinet





# TMT MAIN GATE CONCOURSE GROUND OVERVIEW

WEST SIDE OF MAIN GATE CONCOURSE



EAST SIDE OF MAIN GATE CONCOURSE



# TMT Main Gate New Booth Requirements

## Refer to JAXPORT Engineering's SOW for additional requirements

- Prefabricated Portable metal control booths
- 90" interior height
- Should have stainless steel counter top interior at front of booth
- Room over head interior above the desk area to install air handler for 12,000 BTU ductless mini-split heat pump
- Full pane glass insert on front of booth
- Transaction windows should be 42"W by 46"T on both sides of the booth
- Exterior window sill height to be 38" (inside sill height 34" from finished floor).
- Door shall swing outward over metal landing pad
- Doors shall include ADA lever lockset and ADA hydraulic door closer.
  - All booth door locks shall be keyed the same
  - Total of 12 keys shall be provided for booths
- Electrical service to include single phase, 100 amp capacity, load center with main breaker, pre-wired in conduit, with one 230v circuit and four 115v circuit capacity – provide two spare circuits. All electric work shall be in compliance with the National Electrical Code. All electrical components shall bear the UL label.
- Furnish three 115v duplex outlet, and one 230v single outlet.
- Lighting fixture should be able to receive LED bulbs or have LED lights installed by manufacturer
- Heavy Duty push buttons to control gate arm operators
  - Buttons shall be pre-labeled "Up" for gate-arm up & "Down" for gate-arm down

# TMT New Booth Example Photos

Note: Not exact example, See scope for requirements



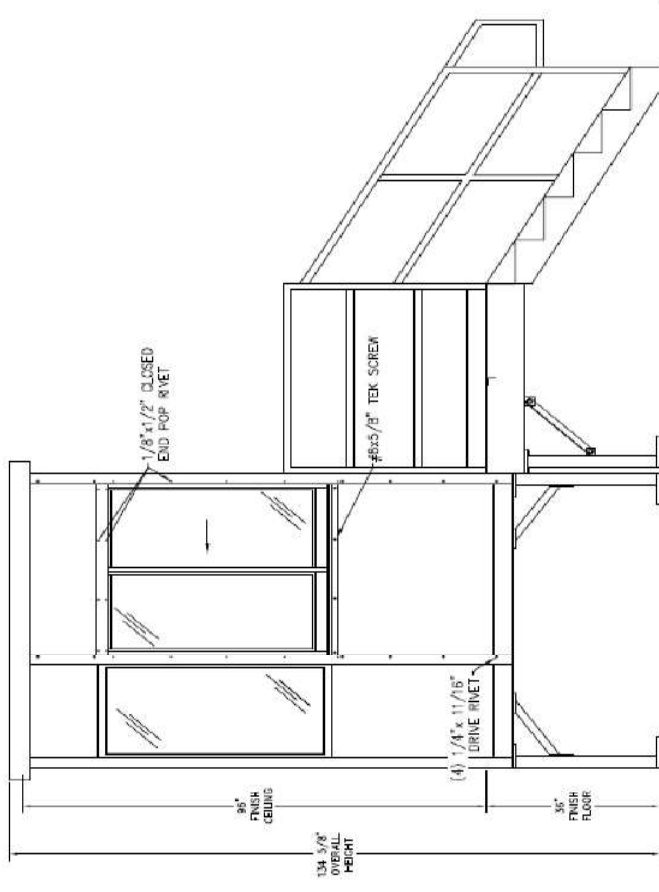


# LANE 1 BOOTH

Existing Booth



New Booth Layout Example



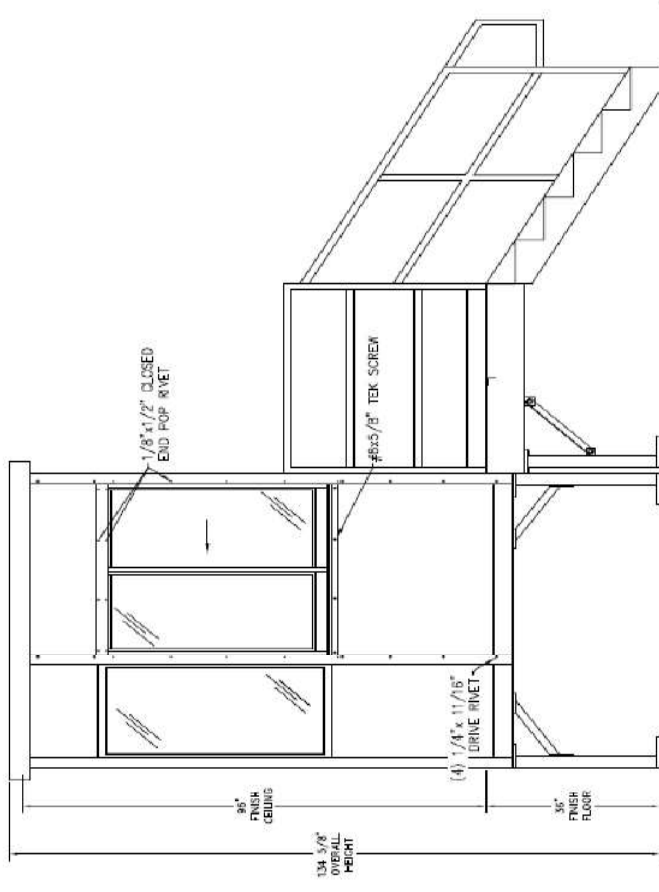
NEW LAYOUT

# LANE 2 BOOTH

Existing Booth



New Booth Layout Example



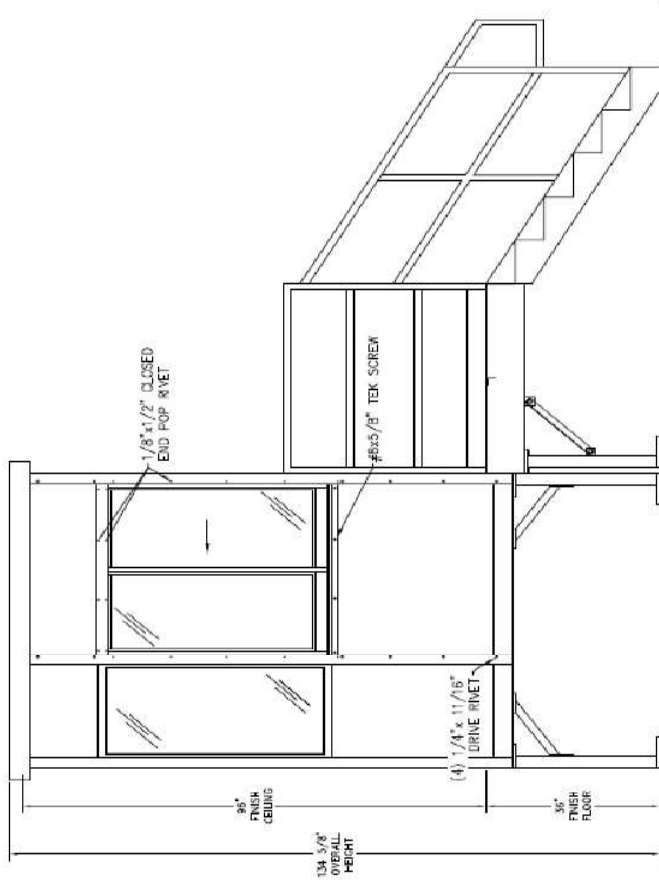
NEW LAYOUT

# LANE 3 BOOTH

Existing Booth



New Booth Layout Example



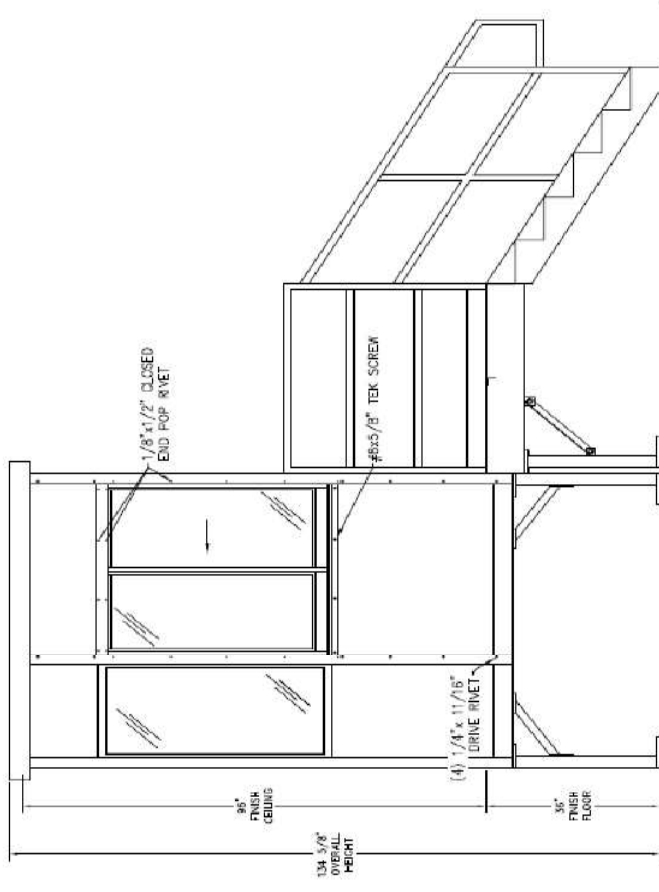
NEW LAYOUT

# LANE 4 BOOTH

Existing Booth



New Booth Layout Example



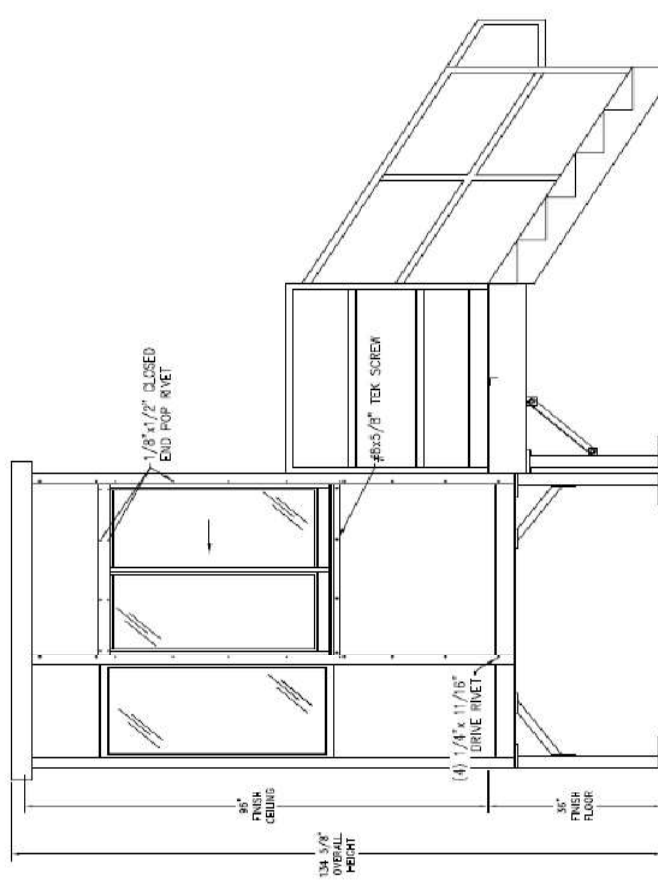
NEW LAYOUT

# LANE 5 BOOTH

Existing Booth



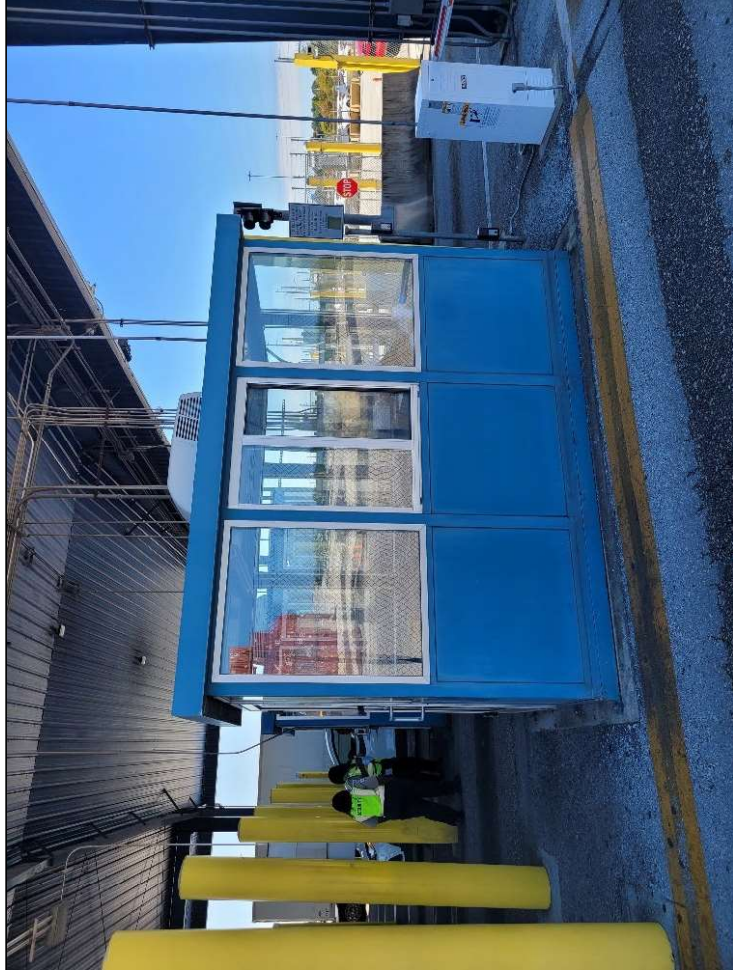
New Booth Layout Example



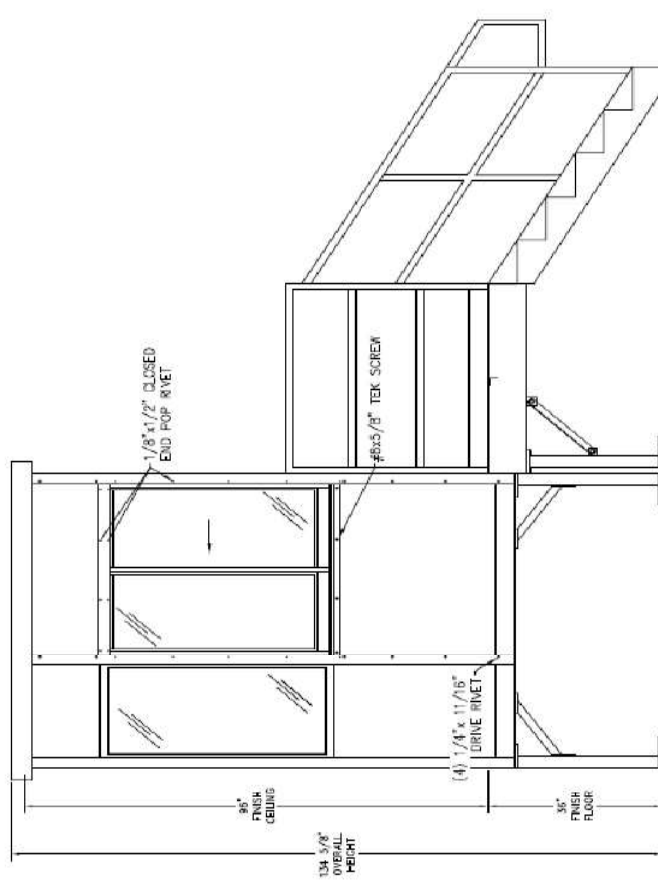
NEW LAYOUT

# LANE 6 BOOTH

Existing Booth



New Booth Layout Example



NEW LAYOUT

# Blount Island Marine Terminal



Jacksonville

Blount Island

Blount Island

- Areas:
1. Main Gate Lanes & Canopy
    1. Lanes 1 thru 8
  2. Access Control Building
    1. 1<sup>st</sup> Floor
    2. 2<sup>nd</sup> Floor
  3. POV Lanes
    1. POV-1
    2. POV-2





# Building & Canopy Information

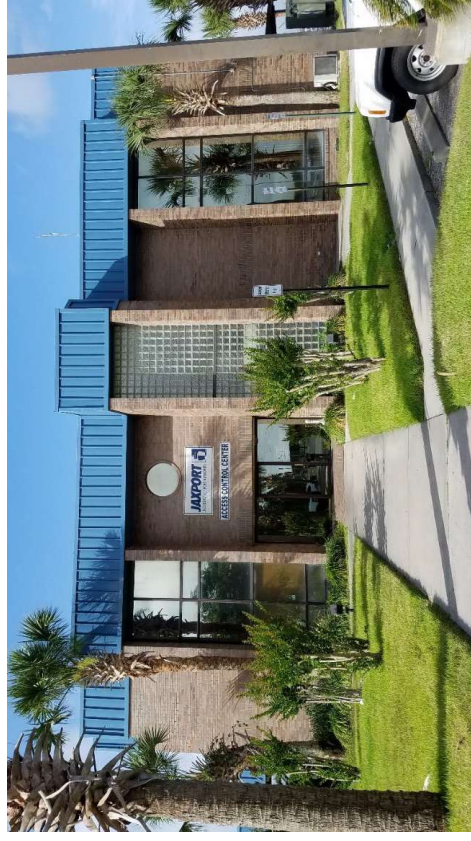
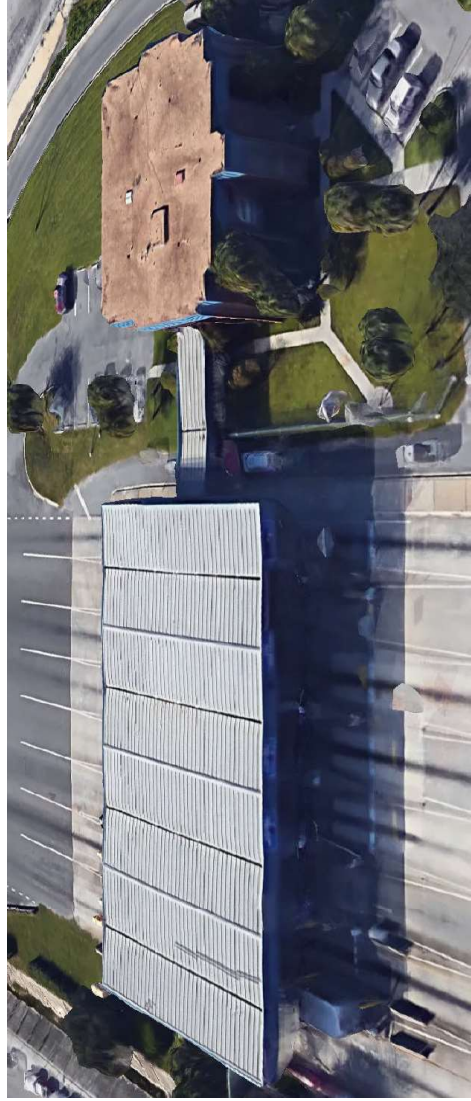
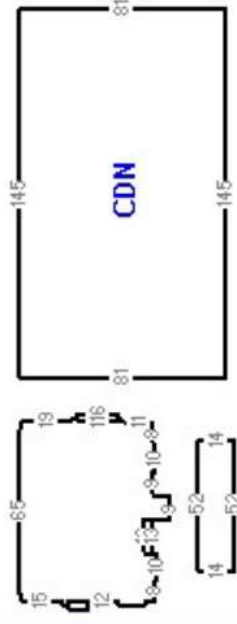
Building 1 Site Address  
9620 DAVE RAWLS BLVD Unit  
Jacksonville FL 32226

Building Type	1701 - OFFICE 1-2 STY
Year Built	1992
Building Value	\$649,247.00

Type	Gross Area	Heated Area	Effective Area
Canopy Detached	11745	0	3524
Canopy Detached	728	0	218
Base Area	3762	3762	3762
Finished upper story	3762	3762	3762
	1		
Canopy 24	0	0	6
Canopy 39	0	0	10
Canopy 48	0	0	12
<b>Total</b>	<b>20108</b>	<b>7524</b>	<b>11294</b>

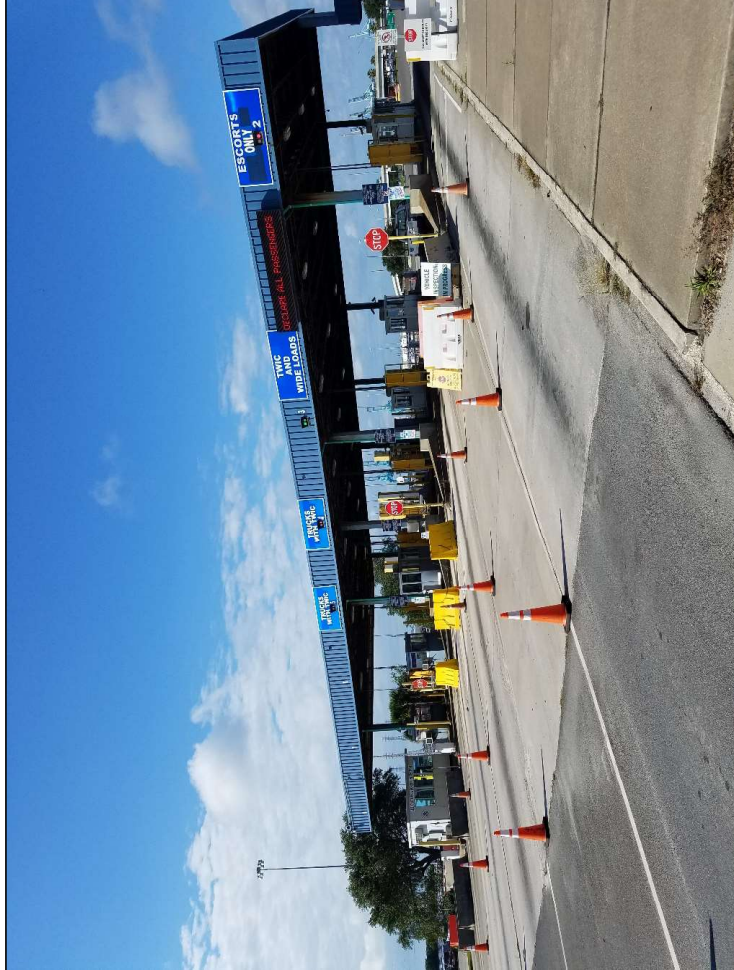
Element	Code	Detail
Exterior Wall	20	20 Face Brick
Roof Struct	9	9 Rigid Fr/Bar J
Roofing Cover	4	4 Built-Up/T&G
Interior Wall	5	5 Drywall
Int Flooring	14	14 Carpet
Heating Fuel	4	4 Electric
Heating Type	4	4 Forcad-Ducted
Air Cond	3	3 Central
Ceiling Wall Finish	5	5 S Cell Wall Fin
Comm Htg & AC	1	1 Not Zoned
Comm Frame	4	4 D-Wood Frame

Element	Code
Stories	2,000
Baths	16,000
Rooms / Units	22,000
Avg Story Height	11,000



# BIMT Main Gate Over View

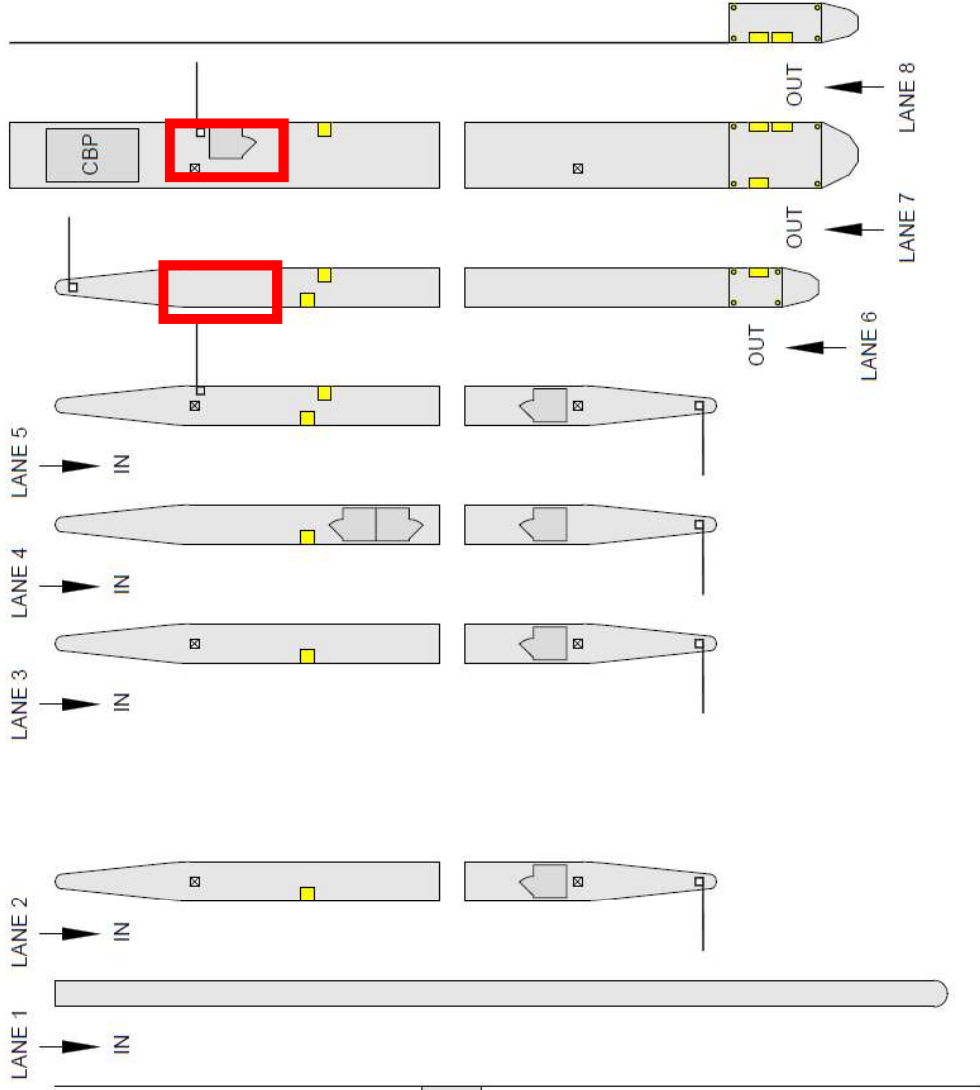
Inbound



Outbound



# BIMT MG Current Security Booth Locations



**LEGEND**

**Traffic Flow**

**Security Booths**

The legend defines the symbols used in the diagram: a white box with a black border represents a Security Booth, and two blue arrows pointing in opposite directions represent Traffic Flow.

# BIMT Basic Scope of work

- 2 – older 4' X 4' security booths in lanes 7 & 8 will be removed and replaced with new 4' X 6' security booths; See project scope for BIMT for details
- New 4' X 6' security booths will be installed in accordance with local building codes.
- **New booths will not be elevated and will be mounted on existing raised concrete slab**
- Existing conduit shall be utilized in addition to new conduit and fittings as needed to make connections to new booths, re-routing to centralized network cabinet and electrical supply for power.
- If needed; All new conduit will be installed above ground in the overhead canopy area
- All new conduit will be rigid aluminum and be 2" reduced to no smaller than 3/4" or fitted to tie into existing conduit as needed.
- **Note all conduit sizes must be approved by JAXPORT I.T. Engineering or Physical security.**

## BIMT Main Gate New Booth Requirements

### Refer to JAXPORT Engineering's SOW for additional requirements

- Prefabricated Portable metal control booths
- 90" interior height
- Should have stainless steel counter top interior at front of booth
- Room over head interior above the desk area to install air handler for 12,000 BTU ductless mini-split heat pump
- Full pane glass insert on front of booth
- Transaction windows should be 42"W by 46"T on both sides of the booth
- Exterior window sill height to be 38" (inside sill height 34" from finished floor).
- Door shall swing outward over concrete landing pad
- Doors shall include ADA lever lockset and ADA hydraulic door closer.
  - All booth door locks shall be keyed the same
  - Total of 4 keys shall be provided for booths
- Electrical service to include single phase, 100 amp capacity, load center with main breaker, pre-wired in conduit, with one 230v circuit and four 115v circuit capacity – provide two spare circuits. All electric work shall be in compliance with the National Electrical Code. All electrical components shall bear the UL label.
- Furnish three 115v duplex outlet, and one 230v single outlet.
- Lighting fixture should be able to receive LED bulbs or have LED lights installed by manufacturer
- Heavy Duty push buttons to control gate arm operators
  - Buttons shall be pre-labeled "Up" for gate-arm up & "Down" for gate-arm down

# BIMT New Booth Example Photos



# LANE 7 BOOTH

Existing Booth



New Booth Example



# LANE 8 BOOTH

Existing Booth



New Booth Example







**DRAWINGS**

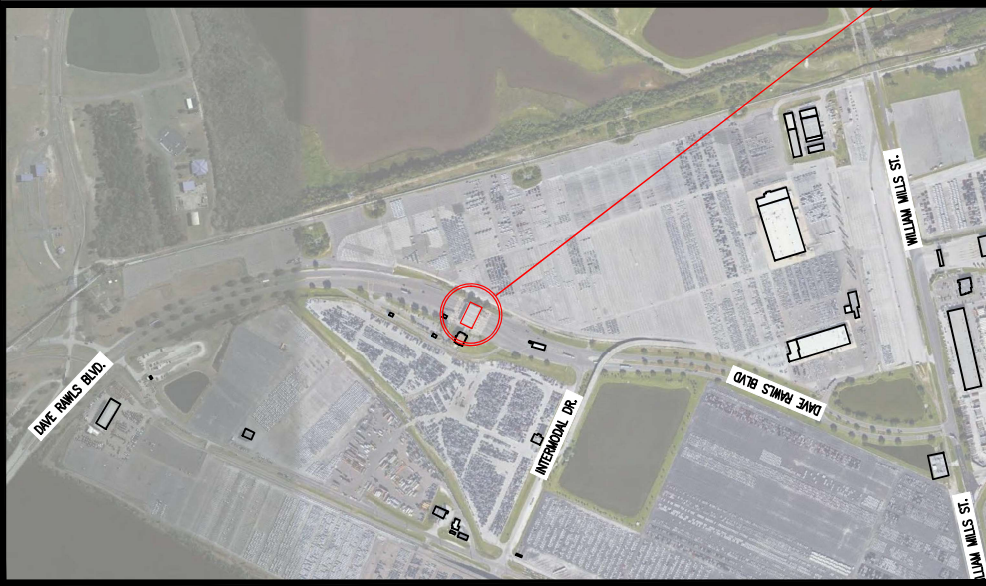
**FOR**

**SECURITY BOOTHS REPLACEMENT AT TMT AND BIMT**

**Project No.: G2021-04**

**Contract No.: MC-1783AR**

**TALLEYRAND MARINE TERMINAL  
AND  
BLOUNT ISLAND MARINE TERMINAL**



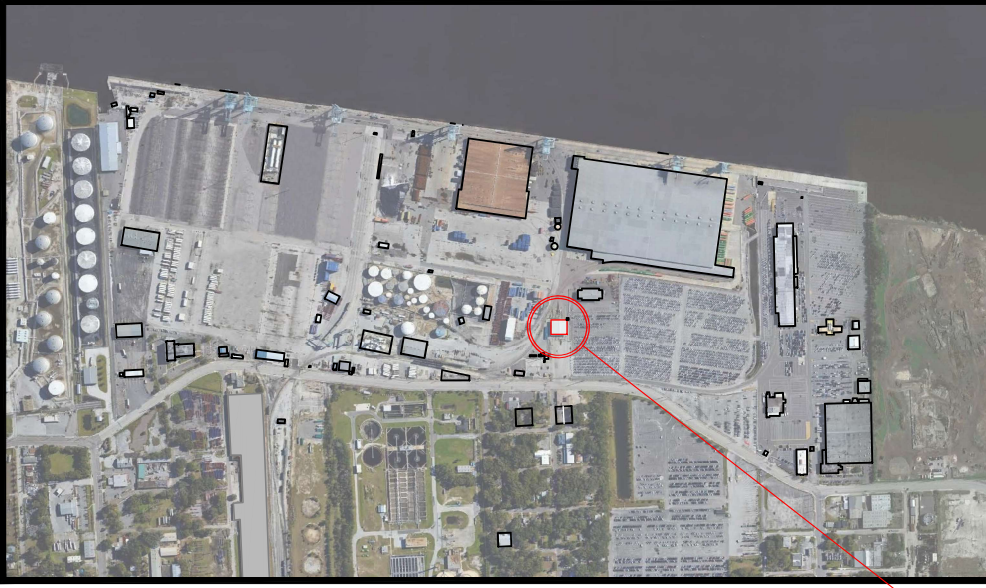
BLOUNT ISLAND MARINE TERMINAL  
VICINITY MAP & PROJECT LOCATION  
NTS

**JACKSONVILLE PORT AUTHORITY, JACKSONVILLE, FL**  
**SECURITY BOOTHS REPLACEMENT**  
**TALLEYRAND MARINE TERMINAL MAIN GATE**  
**&**  
**BLOUNT ISLAND MARINE TERMINAL MAIN GATE**  
**JPA PROJECT NO. G2021-04**  
**JPA CONTRACT NO. MC-1783AR**

LEGEND	
SHEET NO.	SHEET DESCRIPTION
1	TITLE SHEET (PROJECT TITLE, INDEX, LOCATION MAPS)
GENERAL NOTES	
3	TMT EXISTING CONDITIONS AND LAYOUTS; DEMOLITION / REMOVAL PLAN
4	TMT EXISTING PLUMBING AND ELECTRICAL UTILITIES
5	TMT NEW GUARD BOOTH AND DETAILS
6	TMT ELECTRICAL DEMO & NEW ELECTRICAL POWER PLAN
7	BIMT EXISTING CONDITIONS AND LAYOUTS; DEMOLITION / REMOVAL PLAN
8	BIMT NEW BOOTH, LOCATION, NEW ELECTRICAL PANEL & DETAILS

**BIMT  
PROJECT  
LOCATION**

**TMT  
PROJECT  
LOCATION**



TALLEYRAND MARINE TERMINAL  
VICINITY MAP & PROJECT LOCATION  
NTS



BLOUNT ISLAND MARINE TERMINAL & TALLEYRAND MARINE TERMINAL  
REPLACE SECURITY BOOTHS  
TITLE SHEET (PROJECT TITLE, INDEX, LOCATION MAPS)

JAXPORT ENGINEERING & CONSTRUCTION  
DEPARTMENT

2831 TALLEYRAND AVENUE  
JACKSONVILLE, FL 32206

SHEET	1
PROJECT NO.	G2021-04
CONTRACT NO.	MC-1783AR
DATE	5/28/2022
SCALE	NTS

SHEET	2
PROJECT NO.	G2021-04
CONTRACT NO.	MC-1783AR
DATE	5/28/2022
SCALE	NIS

**JAXPORT ENGINEERING & CONSTRUCTION DEPARTMENT**

**BLOUNT ISLAND MARINE TERMINAL & TALLEYRAND MARINE TERMINAL  
 REPLACE SECURITY BOOTHS  
 GENERAL NOTES**



GENERAL:

- ALL WORK SHALL CONFORM WITH THE LATEST APPLICABLE LOCAL, STATE, AND FEDERAL STANDARDS AND CODES, INCLUDING, BUT NOT LIMITED TO: THE FLORIDA BUILDING CODE, THE FDOT, THE NEC, THE ACI, THE ASTM, THE NFPA.
- IT IS THE INTENT OF THESE DRAWINGS AND ALL OTHER PROJECT DOCUMENTS TO PRODUCE COMPLETE AND FUNCTIONING SYSTEMS. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND OTHER SERVICES AS MAY BE NECESSARY TO ACHIEVE THIS PRODUCT.
- THE CONTRACTOR SHALL GUARANTEE ALL HIS WORK AND MATERIALS FOR A MINIMUM PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE OF OWNER.
- ALL DIMENSIONS SHOWN IN THE DRAWINGS ARE APPROXIMATE. THE CONTRACTORS SHALL FIELD VERIFY AND CONFIRM ALL DIMENSIONS AND MEASUREMENTS. FINAL DIMENSIONS OF PROPOSED BOOTHS, AS WELL AS FINAL DIMENSIONS OF NEEDED EXTENSION FOR THE NEW BOOTHS FOUNDATIONS, AS SHALL BE VERIFIED AND CONFIRMED WITH THE BOOTHS MANUFACTURER.
- BOOTHS SHALL BE DELIVERED PER LOCATION TIME AND BENT. STORAGE LOCATIONS TO BE COORDINATED BETWEEN THE CONTRACTOR AND JAXPORT'S OPERATIONS FACILITIES.
- THE CONTRACTOR OR SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND THE PROPER, LEGAL DISPOSAL OF ALL REMOVED MATERIALS, EQUIPMENT, BOOTHS, ETC.
- THE DISPOSITION AND REMOVAL OF ALL DEMOLISHED MATERIALS SHALL BE IN ACCORDANCE WITH ENVIRONMENTAL REQUIREMENTS AND APPLICABLE LAWS.
- THE CONTRACTOR SHALL PROVIDE A FIRST RIGHT OF REUSE TO OWNER FOR ANY DEMOLISHED FURNISHINGS, FIXTURES, EQUIPMENT, DEVICES, BOOTHS, OR OTHER VALUABLE ITEMS PRIOR TO REMOVAL FROM THE SITE.
- THE CONTRACTOR SHALL PATCH, REPAIR, AND FINISH ALL ADJACENT SURFACES DAMAGED OR MARKED AS A RESULT OF DEMOLITION WORK IN PREPARATION FOR NEW CONSTRUCTION AND NEW FINISHES.
- BASE BID: FOUR BOOTHS (NO RPMS) AT TMT; OWNERS OPTION: 2 RPMS BOOTHS AT TMT AND 2 RPMS BOOTHS AT BMT.

GENERAL STRUCTURAL:

- DESIGN LOADS FOR NEW BOOTHS SHALL BE IN ACCORDANCE WITH THE LATEST APPLICABLE BUILDING CODE, INCLUDING BUT NOT LIMITED TO THE FLORIDA BUILDING CODE.

ELECTRICAL:

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC, LATEST EDITION OF ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES.
- MINIMUM CONDUCTOR SIZE: ALL CIRCUIT RUNS AND ALL CONDUIT-AND-WIRE SHALL BE # 12 AWG UNLESS OTHERWISE NOTED.
- MINIMUM SIZE OF CONDUITS SHALL BE 1/2" CONDUITS SHALL BE ALUMINUM RIGID.
- CONDUIT ROUTING, PANELS LOCATIONS, EQUIPMENT DEVICES LOCATIONS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. THE CONTRACTOR SHALL FIELD ROUTE, LOCATE, VERIFY AND CONFIRM.
- REMOVE ALL OUT OF SERVICE WIRE, CONDUIT AND VOICEDATA WIRING.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY SUCH FEES AS MAY BE NECESSARY FOR INSPECTIONS, TESTS, AND OTHER SERVICES NECESSARY FOR THE COMPLETION OF THE WORK.
- THERE SHALL BE NO SPLICES OF WIRING INSIDE PANEL BOARDS OR DISCONNECT SWITCHES. ONLY ONE WIRE SHALL BE TERMINATED TO ANY SINGLE LUG ON A CIRCUIT BREAKER.
- ALL WIRING AND CONDUIT SIZES SHALL BE BASED ON THE REQUIREMENTS OF THE LATEST EDITION OF THE NEC.
- UNLESS OTHERWISE NOTED, FOR LIGHTING AND RECEPTACLE HOMERUNS HAVING A TOTAL LENGTH OF 100' TO 200', USE # 10 CONDUCTORS. FOR HOMERUNS HAVING A TOTAL LENGTH OF 200' OR GREATER, USE # 8 CONDUCTORS.
- ALL CONDUCTORS SHALL BE COPPER WITH THIN WAIN AND RATED FOR 90V UNLESS OTHERWISE NOTED. TERMINATIONS SHALL BE RATED FOR 75 DEGREES C MINIMUM. DEVIATIONS SHALL COMPLY WITH THE NEC FOR EXACT EQUIPMENT BEING PROVIDED.
- ALL EQUIPMENT SHALL BE UL APPROVED AND SHIPPED TO THE SITE WITH UL LABEL.
- CONDUITS LEAVING OR ENTERING BUILDINGS BOOTHS SHALL BE SEALED PER THE NEC TO PREVENT ENTRANCE OF MOISTURE.
- IT IS THE INTENT OF THESE DRAWINGS AND ALL OTHER PROJECT DOCUMENTS TO PRODUCE COMPLETE AND FUNCTIONING SYSTEMS. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND OTHER SERVICES AS MAY BE NECESSARY TO ACHIEVE THIS PRODUCT.
- THE CONTRACTOR SHALL GUARANTEE ALL HIS WORK AND MATERIALS FOR A MINIMUM PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE OF OWNER.
- ALL WORK SHALL BE TESTED IN PRESENCE OF OWNERS REPRESENTATIVES TO DEMONSTRATE THAT THE ENTIRE SYSTEM IS IN PROPER WORKING ORDER AND IN ACCORDANCE TO PROJECT DOCUMENTS.
- FOR THE ELECTRICAL INFRASTRUCTURE IT IS THE INTENT OF THE OWNER TO REUSE THE EXISTING UNDERGROUND CONDUITS. EXISTING CONDUITS SHALL BE EXTENDED TO THE NEW BOOTHS. NO NEW UNDERGROUND CONDUIT RUNS WILL BE ALLOWED. ELECTRICAL FEEDERS (WIRES) SHALL BE RE-USED FROM MDP, GATE ARMS OPERATORS AND RPMS TO BOOTHS.
- FOR THE NETWORK INFRASTRUCTURE, THE CONTRACTOR SHALL REMOVE ALL EXISTING CONDUITS AND WIRES. CUTTING CONDUITS FLUSH WITH FINISH GRADE AND CAPPED OR SEALED. NEW RIGID ALUMINUM CONDUIT SHALL BE INSTALLED FROM EACH NEW SECURITY BOOTH TO NEAREST OVERHEAD JUNCTION BOX THAT HAVE AN EXISTING PATH BACK TO THE CENTRALIZED NETWORK CABINET.
- THE CONTRACTOR SHALL REMOVE ALL BRANCH CIRCUITS IN SURFACE BACK TO THEIR SOURCE.
- THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH OWNER IN ADVANCE IF ANY WORK REQUIRES SHUTDOWN OR INTERRUPTION OF BUILDINGS SERVICES OR SYSTEMS.
- THE CONTRACTOR OR SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND THE PROPER, LEGAL DISPOSAL OF ALL REMOVED MATERIALS, EQUIPMENT.
- ANY EQUIPMENT, MATERIALS AND SUPPLIES TEMPORARILY REMOVED FOR THE PURPOSE OF PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS AND CONDITIONS UNLESS OTHERWISE NOTED. ANY EQUIPMENT, MATERIALS AND SUPPLIES DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.
- REMOVE AND DISPOSE ALL ABANDONED CABLE AND CONDUITS BACK TO ORIGINATING PANELS.
- CONNECTION TO MOTOR OPERATED GATE ARMS SHALL BE PROVIDED BY THE CONTRACTOR.
- IF OWNERS OPTION IS APPROVED, STRICT COORDINATION WITH CPB WILL BE REQUIRED BEFORE ANY WORK IS STARTED AND COMPLETED IN THE OUTBOUND LANES WITH RPMS (LANES 5 & 6 AT TMT, LANES 7 & 8 AT BMT). WORKS AT THESE BOOTHS SHOULD NOT START UNTIL JAXPORT ISSUES AUTHORIZATION.
- CONTRACTOR SHALL LEAVE (1) SPARE PULL STRING IN ALL CONDUIT RUNS AFTER ALL CABLE IS PULLED (ELECTRICAL AND NETWORK).

FOUNDATIONS/SLABS:

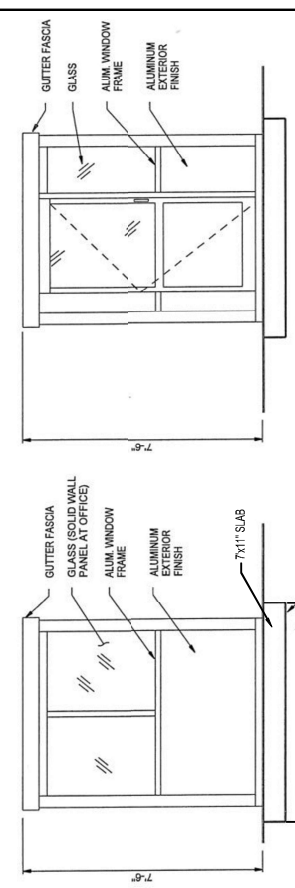
- THE CONTRACTOR SHALL SAWCUT ASPHALT PRIOR TO REMOVAL/DEMOLITION
- ALL EXCAVATED MATERIAL, DEBRIS AND WASTE RESULTING FROM THIS JOB SHALL BE PROPERLY AND LEGALLY HAULLED OFF THE TERMINAL IN A DAILY BASIS.
- THE CONTRACTOR SHALL REMOVE THE EXISTING ASPHALT AND BASE MATERIAL (IF NEEDED) TO A MINIMUM DEPTH OF 8 INCHES, TO ACCOMMODATE THE NEW CONCRETE SLAB FOOTING (EXTENSION TO EXISTING FOOTING).
- THE CONTRACTOR SHALL PREVENT SURFACE WATER FROM ENTERING THE EXCAVATION.
- ALL EXCAVATED AREAS SHALL BE PROPE ROLLED.
- IF SOFT SOIL POCKETS AND UNSUITABLE MATERIALS ARE ENCOUNTERED DURING EXCAVATION, AND/OR AREAS YIELD UNDER THE PROOF-ROLLING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE JPA PROJECT MANAGER, AND SHALL NOT PROCEED WITH REBAR/CONCRETE PLACEMENT. THE UNSUITABLE MATERIALS SHOULD BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL. THE BASE ELEVATION MAY BE RE-ESTABLISHED BY:
  - BACKFILLING WITH LEAN CONCRETE, OR WITH A WELL-COMPACTED, SUITABLE FILL SUCH AS LIMEROCK, CLEAN SAND, GRAVEL, OR CRUSHED STONE (#57).
  - SOILS OR STRUCTURAL FILL BELOW FOUNDATIONS/SLABS SHALL BE COMPACTED TO A MINIMUM DENSITY OF 95% OF THE MODIFIED PROCTOR (ASTM D-1557) MAXIMUM DRY DENSITY.
  - ALL MATERIAL NEEDED TO BACKFILL, INCLUDING MATERIAL TO SUBSTITUTE REMOVED SOFT SOIL, SHALL COMPLY WITH THE LATEST FDOT AND ASTM STANDARDS.
  - THE CONTRACTOR SHALL FURNISH AND INSTALL A VAPOR BARRIER AS SPECIFIED IN THE PROJECT DRAWINGS

REINFORCING STEEL:

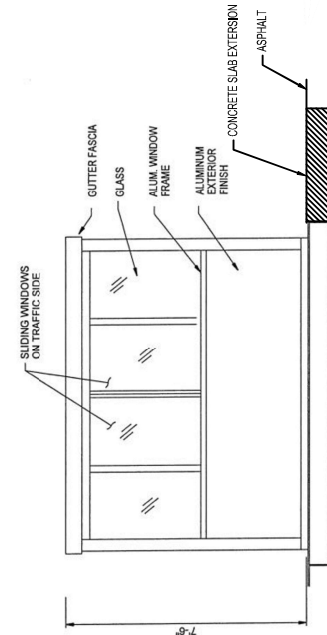
- REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
- MINIMUM COVER SHALL BE 3".
- ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES, IN CONFORMANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND ACI 311.

CONCRETE:

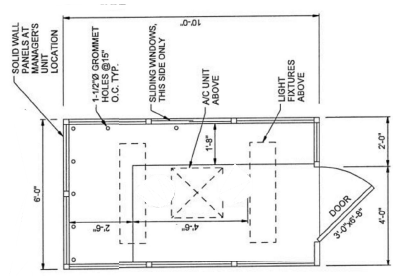
- ALL CONCRETE SHALL BE PER AC-318
- ALL CONCRETE SHALL BE DESIGNED BY APPROVED LABORATORY, AND DESIGN MIX SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL.
- ALL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:
  - 3000 PSI @ 28 DAYS
  - MAXIMUM W/C RATIO OF 0.45
  - SUMP OF 4" x 4" x 4" MEASURED AT THE POINT OF DISCHARGE
- SUBMIT MANUFACTURERS PRODUCT DATA, SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR PROPRIETARY MATERIALS.
- SUBMIT PROPORTIONS AND TESTING FACILITY REPORTS FOR ALL PROPOSED MIXES.
- AN INDEPENDENT TESTING LABORATORY SHALL PERFORM FIELD TESTS AND PREPARE TEST RESULTS.



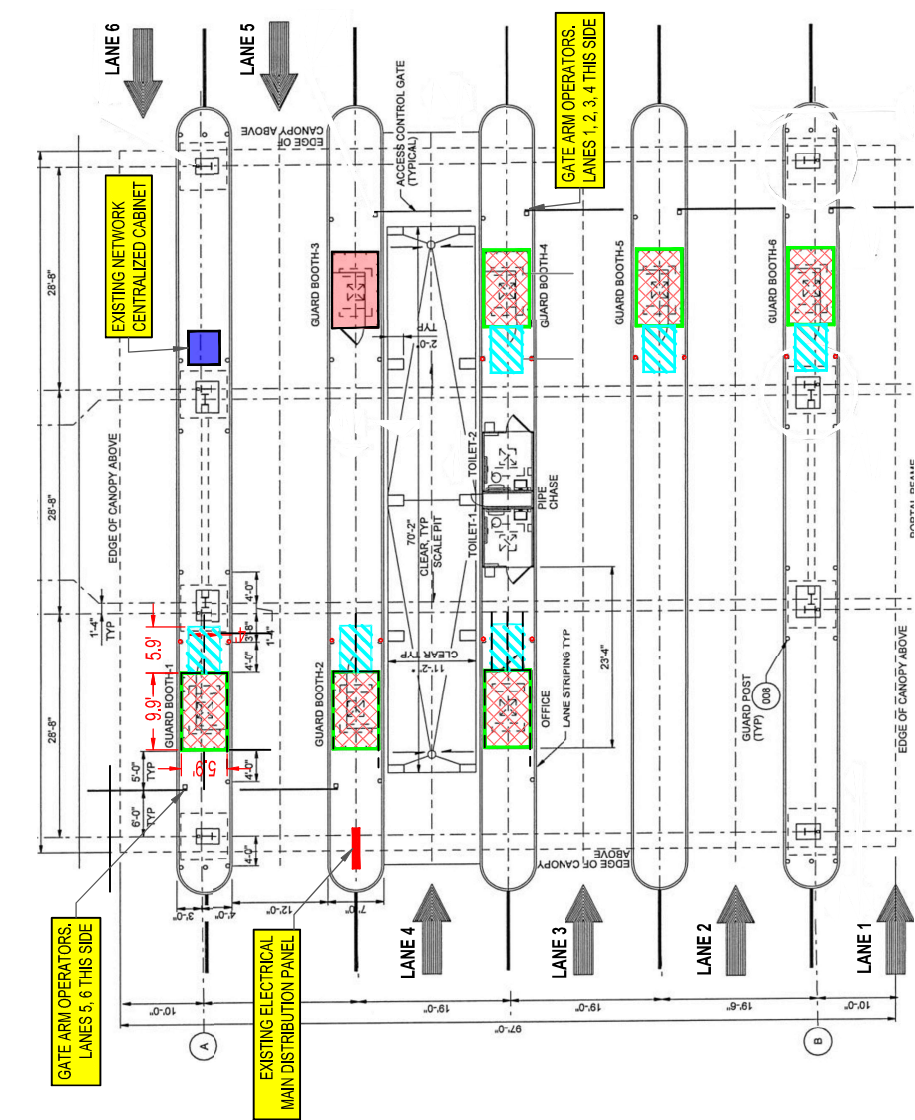
EXISTING GUARD BOOTH TO BE REMOVED



EXISTING GUARD BOOTH TO BE REMOVED



EXISTING GUARD BOOTH TO BE REMOVED



**LEGEND**

	EXISTING GUARD BOOTH 1, 2, OFFICE, 4, 5, 6 TO BE DEMOED AND REPLACED WITH NEW GUARD BOOTH (BOOTHES 1, 2 ARE OWNER'S OPTION)
	EXISTING GUARD BOOTH 3 TO REMAIN
	ASPHALT TO BE REMOVED, TO EXTEND CONCRETE SLAB (ALL BOOTHES)
	EXISTING BOLLARD

NOTES: CPB RPM'S ARE LOCATED AT LANES 4, 5 AND 6. ELECTRICAL PANEL IS LOCATED AT ISLAND BETWEEN LANES 4 AND 5. NETWORK CENTRALIZED CABINET IS LOCATED AT ISLAND BETWEEN LANES 5 AND 6. NETWORK OVERHEAD JUNCTION BOXES LOCATED OVER GUARD BOOTHES 2, 3, 5, 6 AND RESTROOMS.

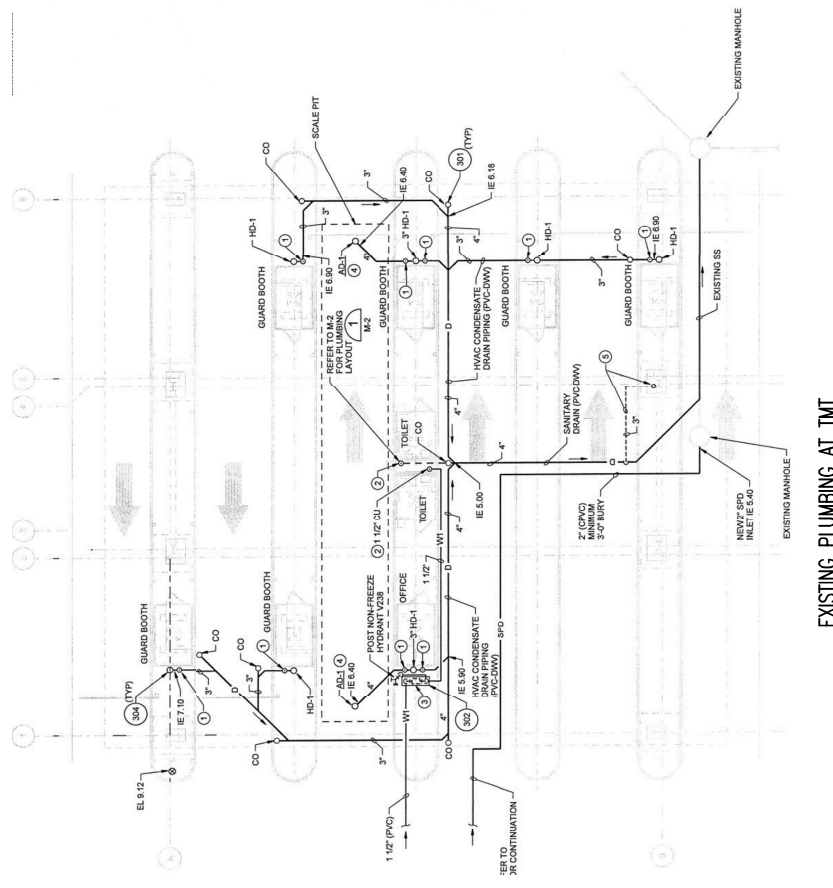
**JAXPORT**  
JACKSONVILLE PORT  
AUTHORITY

BLOUNT ISLAND MARINE TERMINAL & TALLEYRAND MARINE TERMINAL  
REPLACE SECURITY BOOTHS  
TMT EXISTING CONDITIONS AND LAYOUTS; DEMOLITION / REMOVAL PLAN

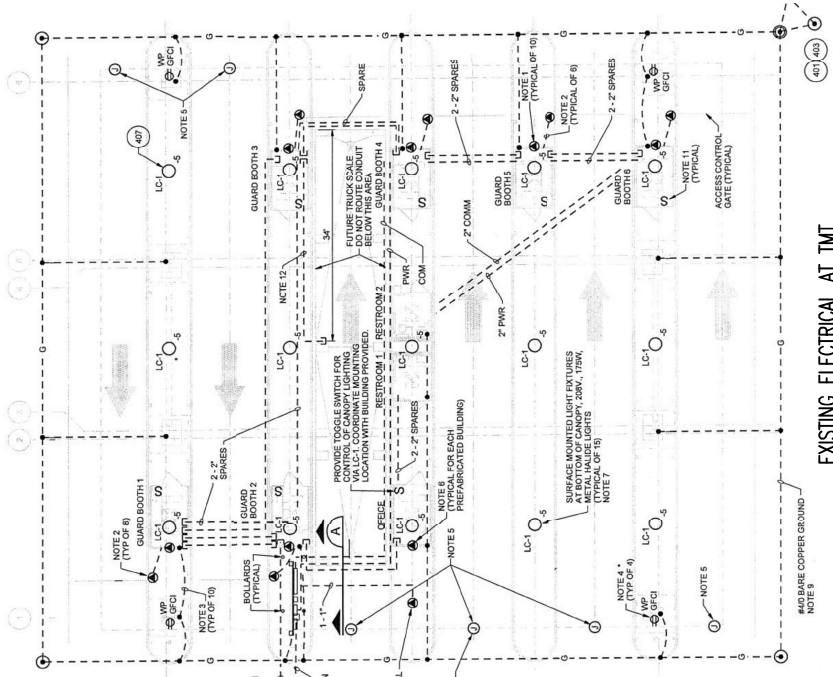
**JAXPORT ENGINEERING & CONSTRUCTION**  
DEPARTMENT

2831 TALLEYRAND AVENUE  
JACKSONVILLE, FL 32206

SHEET	3
PROJECT NO.	G2021-04
CONTRACT NO.	MC-1783AR
DATE	5/28/2022
SCALE	NIS



EXISTING PLUMBING AT TMT



EXISTING ELECTRICAL AT TMT

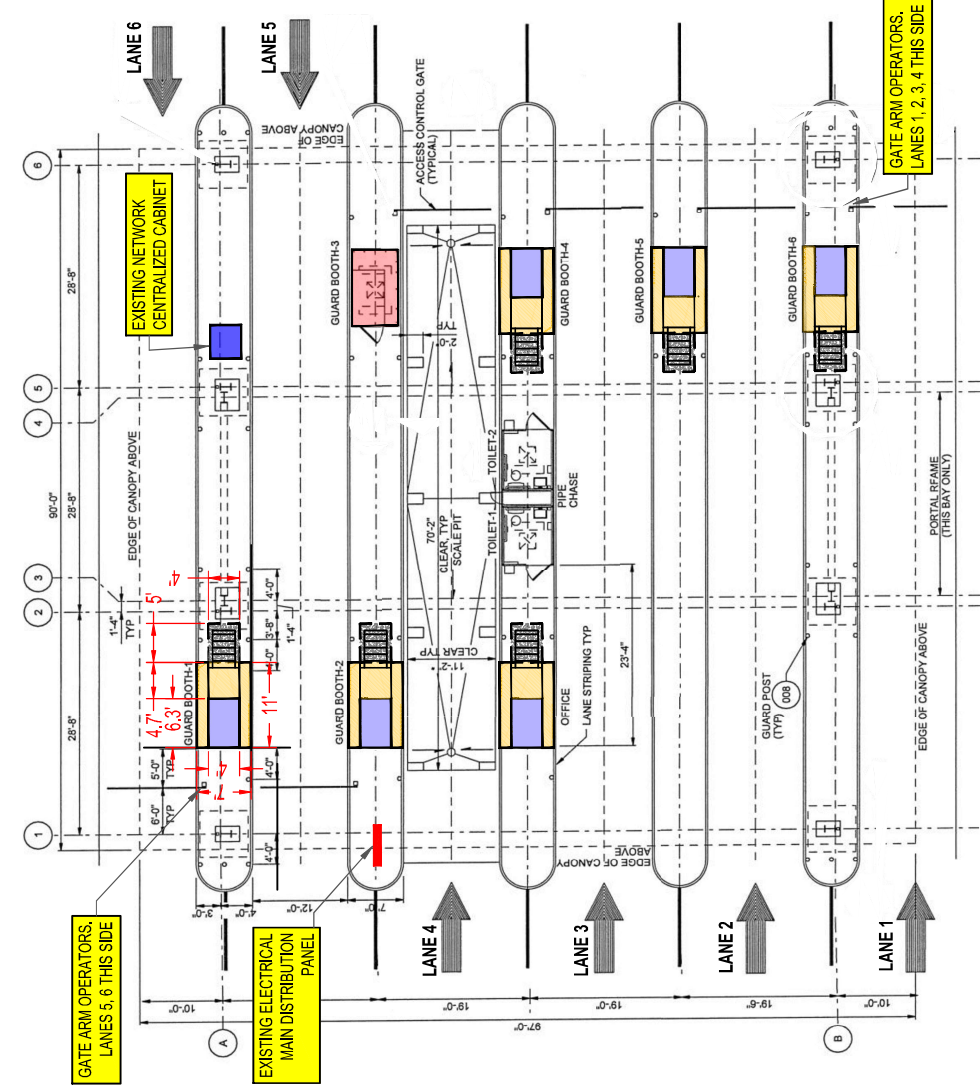
NOTES: CPB RPM'S ARE LOCATED AT LANES 4, 5 AND 6. ELECTRICAL PANEL IS LOCATED AT ISLAND BETWEEN LANES 4 AND 5. NETWORK CENTRALIZED CABINET IS LOCATED AT ISLAND BETWEEN LANES 5 AND 6. NETWORK OVERHEAD JUNCTION BOXES LOCATED OVER GUARD BOOTHS 2, 3, 5 AND RESTROOMS.



BLOUNT ISLAND MARINE TERMINAL & TALLEYRAND MARINE TERMINAL  
 REPLACE SECURITY BOOTHS  
 TMT EXISTING PLUMBING AND ELECTRICAL UTILITIES

JAXPORT ENGINEERING & CONSTRUCTION  
 DEPARTMENT  
 2831 TALLEYRAND AVENUE  
 JACKSONVILLE, FL 32206

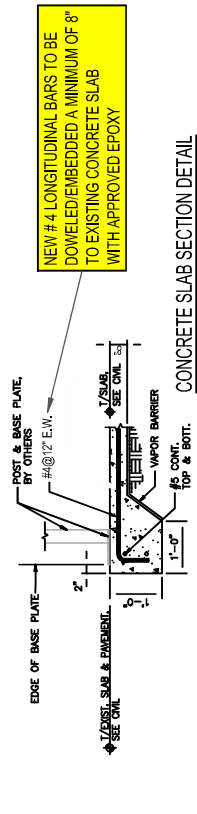
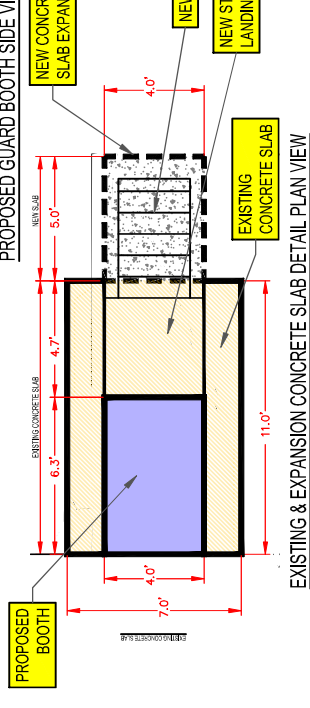
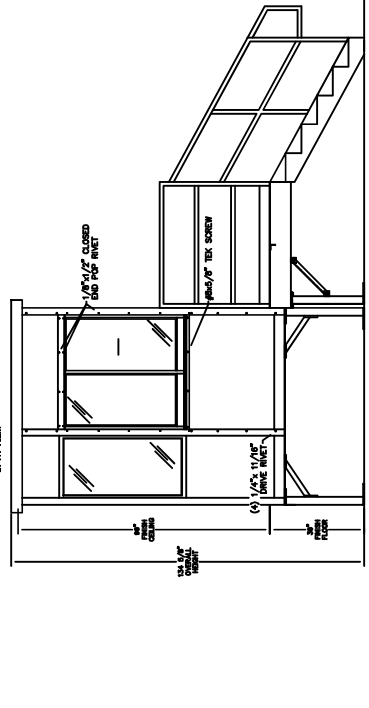
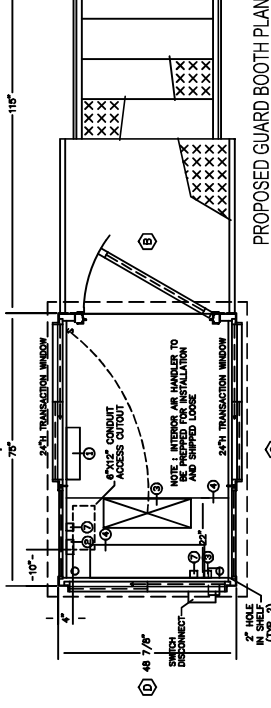
SHEET	4
PROJECT NO.	G2021-04
CONTRACT NO.	MC-1783AR
DATE	5/28/2022
SCALE	NIS



**LEGEND**

	PROPOSED GUARD BOOTH 1, 2, OFFICE, 4, 5, 6
	EXISTING GUARD BOOTH 3 TO REMAIN
	PROPOSED CONCRETE SLAB (5'Wx4'Lx8'H)
	EXISTING CONCRETE TO REMAIN

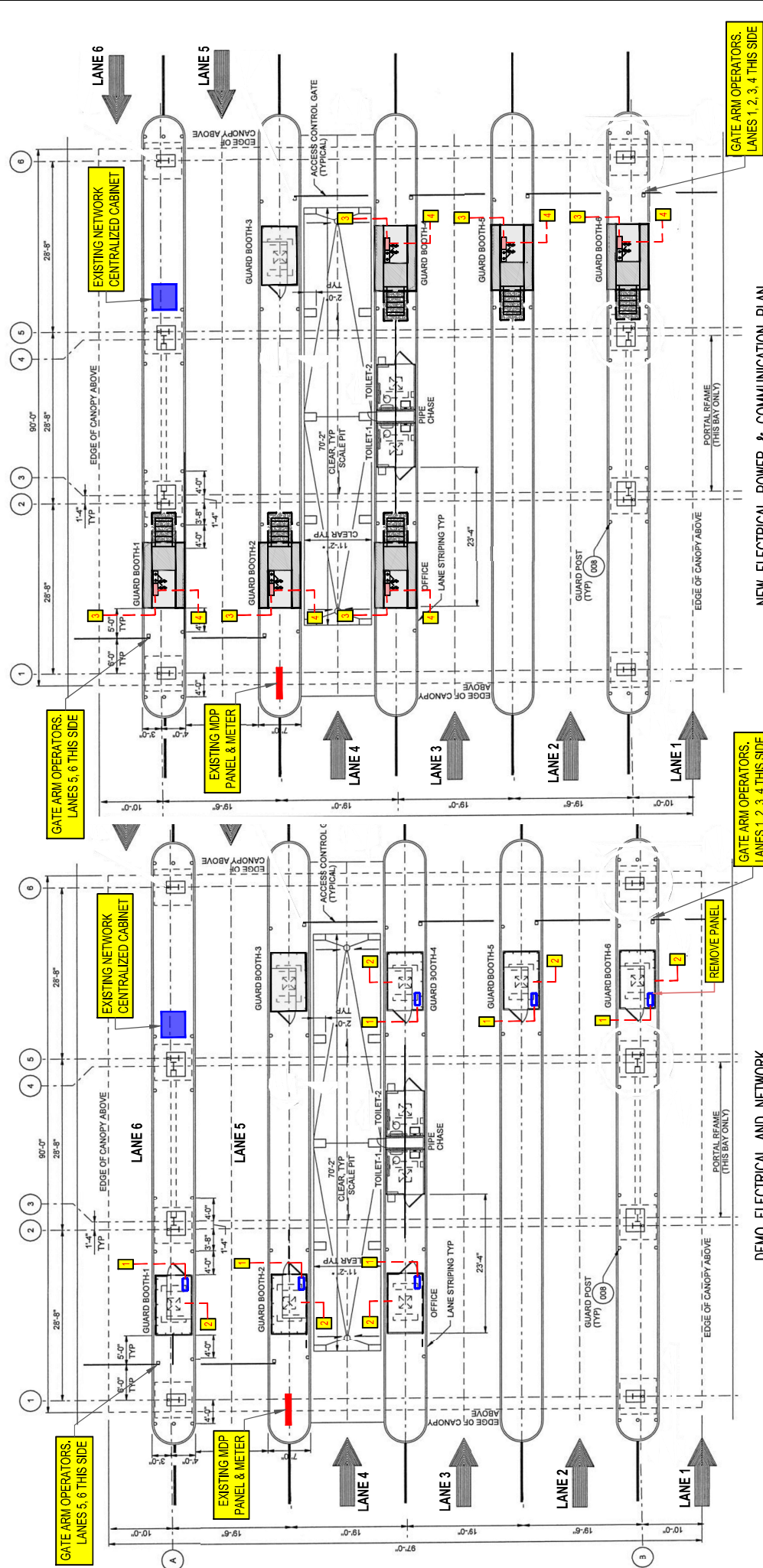
NOTES: CPB RPM's ARE LOCATED AT LANES 4, 5 AND 6.  
 ELECTRICAL PANEL IS LOCATED AT ISLAND BETWEEN LANES 4 AND 5.  
 NETWORK CENTRALIZED CABINET IS LOCATED AT ISLAND BETWEEN LANES 5 & 6.  
 NETWORK OVERHEAD JUNCTION BOXES LOCATED OVER GUARD BOOTHS 2, 3, 5, 6 AND RESTROOMS.  
 BOOTHS 1, 2 ARE OWNER'S OPTION



SHEET	5
PROJECT NO.	G2021-04
CONTRACT NO.	MC-1783AR
DATE	5/28/2022
SCALE	NIS

**JAXPORT ENGINEERING & CONSTRUCTION DEPARTMENT**  
 2831 TALLEYRAND AVENUE  
 JACKSONVILLE, FL 32206

BLOUNT ISLAND MARINE TERMINAL & TALLEYRAND MARINE TERMINAL  
 REPLACE SECURITY BOOTHS  
 TMT NEW GUARD BOOTH AND DETAILS



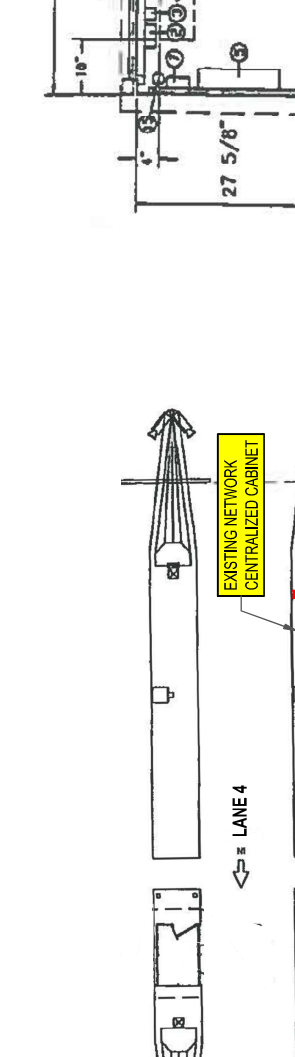
**NEW ELECTRICAL POWER & COMMUNICATION PLAN**

**DEMO ELECTRICAL AND NETWORK**

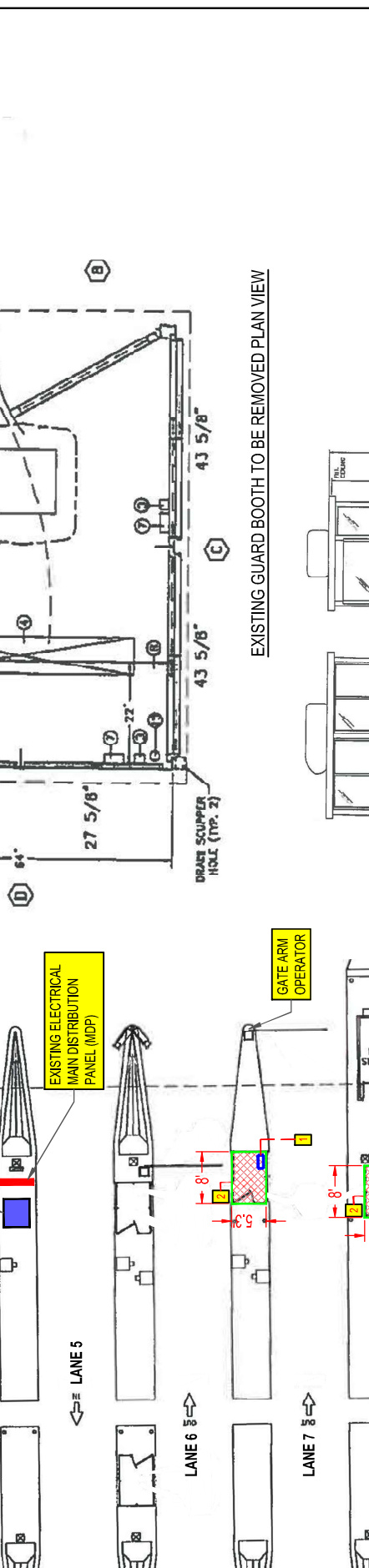
- 1 REUSE ELECTRICAL FEEDERS FROM MDP, GATE ARM OPERATORS AND RIMS TO BOOTHS.
- 2 REMOVE NETWORK CONDUITS AND WIRES FLUSH TO FINISHED GRADE AND ABANDON IT.
- 3 EXTEND EXISTING ELECTRICAL UNDERGROUND CONDUIT TO NEW BOOTHS AS NEEDED. INSTALL JUNCTION BOXES AND NEW FEEDERS FROM J.B.'S TO EACH NEW BOOTHS, INCLUDING GATE ARM OPERATORS AND RIMS.
- 4 INSTALL NEW CONDUITS (FOR NETWORK) FROM EACH NEW BOOTHS TO OVERHEAD JUNCTION BOX. RUN NEW WIRES FROM EACH BOOTHS TO NETWORK CENTRALIZED CABINET.

NOTES: CPB RPM'S ARE LOCATED AT LANES 4, 5 AND 6. ELECTRICAL PANEL IS LOCATED AT ISLAND BETWEEN LANES 4 AND 5. NETWORK CENTRALIZED CABINET IS LOCATED AT ISLAND BETWEEN LANES 5 AND 6. NETWORK OVERHEAD JUNCTION BOXES LOCATED OVER GUARD BOOTHS 2, 3, 5, 6 AND RESTROOMS. BOOTHS 1, 2 ARE OWNER'S OPTION

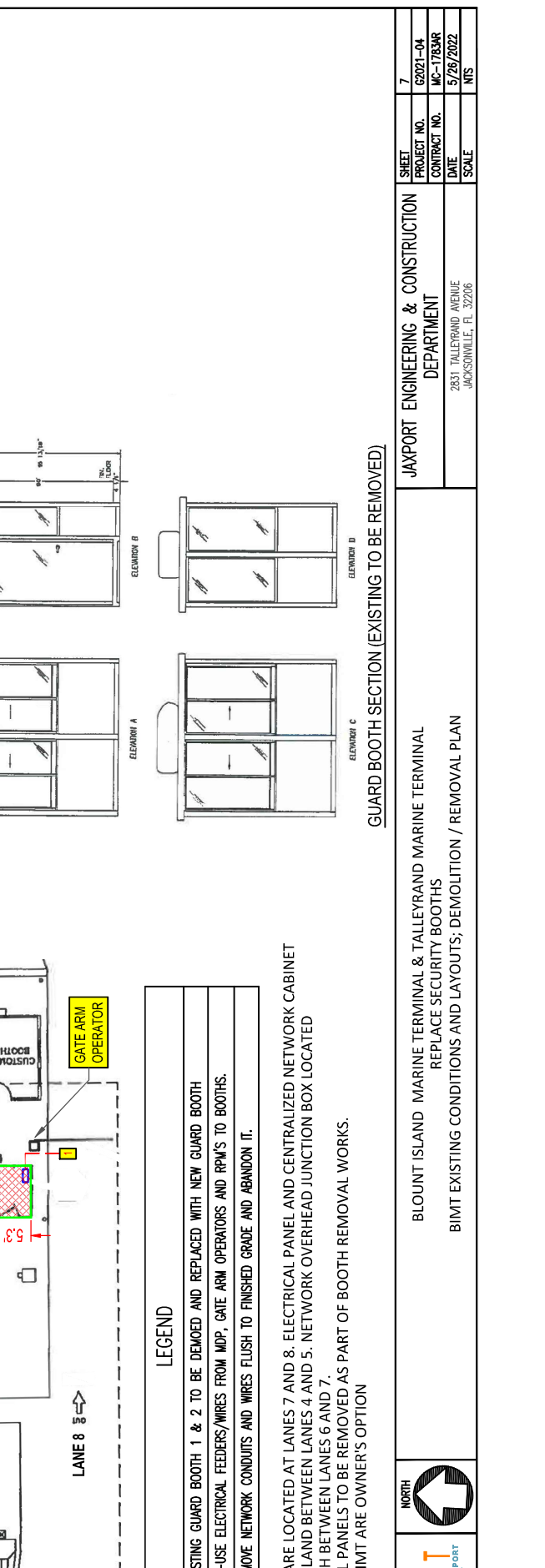
	<b>JAXPORT ENGINEERING &amp; CONSTRUCTION DEPARTMENT</b> 2831 TALLEYRAND AVENUE JACKSONVILLE, FL 32206		SHEET <b>6</b>
	PROJECT NO. <b>G2021-04</b>	CONTRACT NO. <b>MC-1783AR</b>	DATE <b>5/28/2022</b>
BLOUNT ISLAND MARINE TERMINAL & TALLEYRAND MARINE TERMINAL REPLACE SECURITY BOOTHS TMT ELECTRICAL DEMO & NEW ELECTRICAL POWER PLAN		SCALE	NIS



EXISTING GUARD BOOTH TO BE REMOVED PLAN VIEW



GUARD BOOTH SECTION (EXISTING TO BE REMOVED)

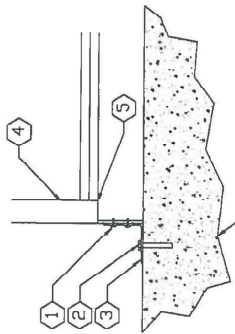


LEGEND

[Red cross-hatch]	EXISTING GUARD BOOTH 1 & 2 TO BE DEMOED AND REPLACED WITH NEW GUARD BOOTH
[Green cross-hatch]	RE-USE ELECTRICAL FEEDERS/WIRES FROM MDP, GATE ARM OPERATORS AND RPWS TO BOOTHS.
[Blue cross-hatch]	REMOVE NETWORK CONDUITS AND WIRES FLUSH TO FINISHED GRADE AND ABANDON IT.

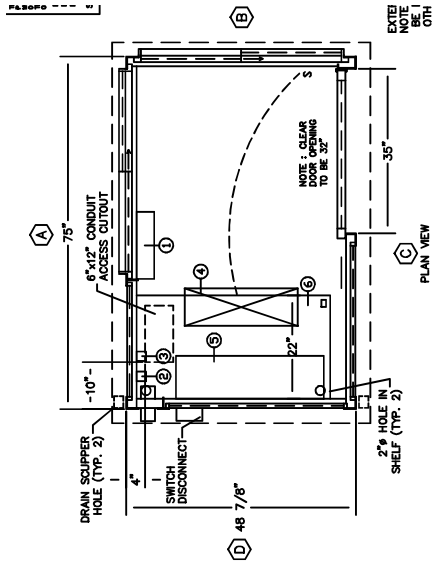
NOTES: CPB RPW's ARE LOCATED AT LANES 7 AND 8. ELECTRICAL PANEL AND CENTRALIZED NETWORK CABINET ARE LOCATED ON ISLAND BETWEEN LANES 4 AND 5. NETWORK OVERHEAD JUNCTION BOX LOCATED OVER GUARD BOOTH BETWEEN LANES 6 AND 7. BOOTHS ELECTRICAL PANELS TO BE REMOVED AS PART OF BOOTH REMOVAL WORKS. BOTH BOOTHS AT BIMT ARE OWNER'S OPTION



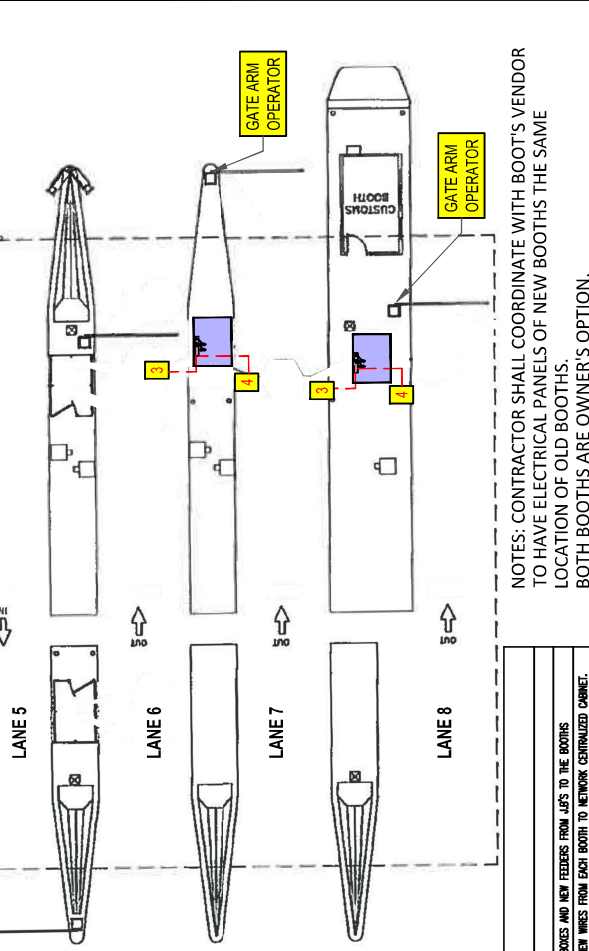
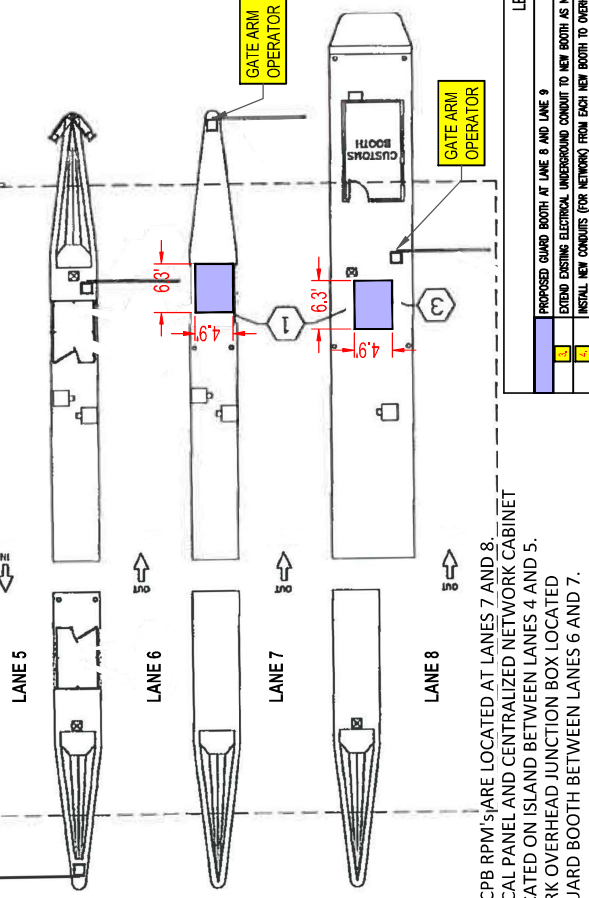
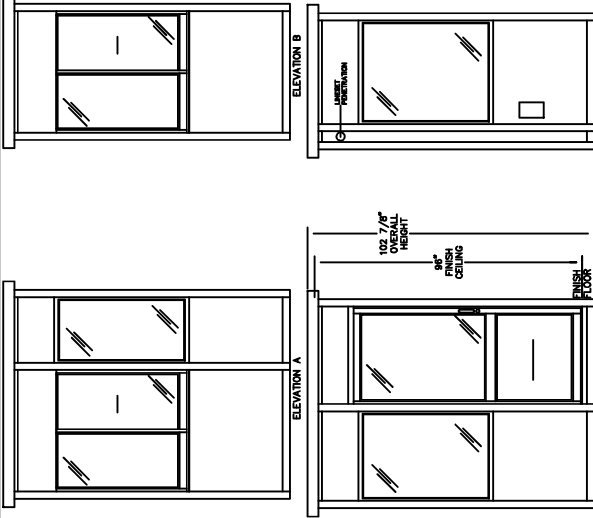


- 1 BOLT OR TBX SCREW TO BASE FRAME
- 2 1/2"x3-1/2" EXPANSION ANCHOR OR COMPLY WITH LOCAL CODES
- 3 ANCHOR BRACKET SHIPPED WITH BOOTH
- 4 BUILDING
- 5 BASE FRAME
- 6 CONCRETE PAD

**MOUNTING DETAIL**



**PROPOSED GUARD BOOTH  
PLAN & SECTION VIEW**



NOTES: CPB RPM'S ARE LOCATED AT LANES 7 AND 8. ELECTRICAL PANEL AND CENTRALIZED NETWORK CABINET ARE LOCATED ON ISLAND BETWEEN LANES 4 AND 5. NETWORK OVERHEAD JUNCTION BOX LOCATED OVER GUARD BOOTH BETWEEN LANES 6 AND 7.

LEGEND

1	PROPOSED GUARD BOOTH AT LANE 9 AND LANE 9
2	EXTEND EXISTING ELECTRICAL UNDERGROUND CONDUIT TO NEW BOOTH AS NEEDED. INSTALL JUNCTION BOXES AND NEW FEEDERS FROM JBS TO THE BOOTH.
3	INSTALL NEW CONDUITS (FOR NETWORK) FROM EACH NEW BOOTH TO OVERHEAD JUNCTION BOX. RUN NEW WIRES FROM EACH BOOTH TO NETWORK CENTRALIZED CABINET.

NOTES: CONTRACTOR SHALL COORDINATE WITH BOOT'S VENDOR TO HAVE ELECTRICAL PANELS OF NEW BOOTHS THE SAME LOCATION OF OLD BOOTHS. BOTH BOOTHS ARE OWNER'S OPTION.



BLOUNT ISLAND MARINE TERMINAL & TALLEYRAND MARINE TERMINAL  
REPLACE SECURITY BOOTHS  
BIMT NEW BOOTH, LOCATION, NEW ELECTRICAL PANEL & DETAILS

JAXPORT ENGINEERING & CONSTRUCTION  
DEPARTMENT

2831 TALLEYRAND AVENUE  
JACKSONVILLE, FL 32206

SHEET	8
PROJECT NO.	G2021-04
CONTRACT NO.	MC-1783AR
DATE	5/28/2022
SCALE	NIS