

DRAWINGS

FOR

SECURITY BOOTHS REPLACEMENT AT TMT AND BIMT

Project No.: G2021-04

Contract No.: MC-1783ARR

TALLEYRAND MARINE TERMINAL
AND
BLOUNT ISLAND MARINE TERMINAL



SECURITY BOOTHS REPLACEMENT TALLEYRAND MARINE TERMINAL MAIN GATE & BLOUNT ISLAND MARINE TERMINAL MAIN GATE

JPA PROJECT NO. G2021-04 JPA CONTRACT NO. MC-1783ARR

LEGEND		
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BIMT PROJECT LOCATION



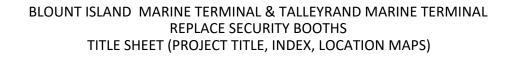


TALLEYRAND MARINE TERMINAL
VICINITY MAP & PROJECT LOCATION
NTS

BLOUNT ISLAND MARINE TERMINAL VICINITY MAP & PROJECT LOCATION NTS







JAXPORT ENGINEERING & CONSTRUCTION	SHEET	1
	PROJECT NO.	G2021-04
DEPARTMENT	CONTRACT NO.	MC-1783ARR
2831 TALLEYRAND AVENUE	DATE	8/24/2022
JACKSONVILLE, FL 32206	SCALE	NTS

GENERAL:

- 1. 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.
- 4. ALL DIMENSIONS SHOWN IN THE DRAWINGS ARE APPROXIMATE. THE CONTRACTORS SHALL FIELD VERIFY AND CONFIRM ALL DIMENSIONS OF PROPOSED BOOTHS, AS WELL AS FINAL DIMENSIONS OF REDED EXTENSION FOR THE NEW BOOTHS FOUNDATION/SLAB SHALL BE VERIFIED AND CONFIRMED WITH THE BOOTH'S MANUFACTURER.
- 5. BOOTHS' STORAGE LOCATIONS TO BE COORDINATED BETWEEN THE CONTRACTOR AND JAXPORT'S OPERATIONS/FACILITIES. BOOTHS SHALL BE MOVED FROM STORAGE TO INSTALLATION LOCATION BY THE CONTRACTOR.
- THE CONTRACTOR OR SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND THE PROPER, LEGAL DISPOSAL OF ALL REMOVED MATERIALS, EQUIPMENT, BOOTHS, ETC.
- 7. 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 REFUSAL TO OWNER FOR ANY DEMOLISHED FURNISHINGS, FIXTURES, EQUIPMENT, DEVICES, BOOTHS, OR OTHER VALUABLE ITEMS PRIOR TO REMOVAL FROM THE SITE.
- 9. THE CONTRACTOR SHALL PATCH, REPAIR AND REFINISH ALL ADJACENT SURFACED DAMAGED OR MARRED AS A RESULT OF DEMOLITION WORK IN PREPARATION FOR NEW CONSTRUCTION AND NEW FINISHES.
- D. BASE BID: FOUR BOOTHS (NO RPM'S) AT TMT; OWNER'S OPTION: 2 RPM BOOTHS AT TMT AND 2 RPM BOOTHS AT BIMT.

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.

FI FCTRICAL

- 1. 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.
- 3 2. MINIMUM CONDUCTOR SIZE: ALL CIRCUIT RUNS AND ALL CONDUIT-AND-WIRE SHALL BE # 12 AWG UNLESS OTHERWISE NOTED.
 - MINIMUM SIZE OF CONDUITS SHALL BE ¾". 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 VOICE/DATA 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.
 - 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 THWN/THHN AND RATED FOR 600 V UNLESS OTHERWISE NOTED. TERMINATIONS SHALL BE RATED FOR 75 DEGREES C MINIMUM. DEVIATIONS SHALL COMPLY WITH THE NEC FOR EXACT EQUIPMENT BEING PROVIDED.
- 10. 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
- 13. THE CONTRACTOR SHALL GUARANTEE ALL HIS WORK AND MATERIALS FOR A MINIMUM PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE OF OWNER.
- 4. ALL WORK SHALL BE TESTED IN PRESENCE OF OWNER'S 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 RPM'S TO BOOTHS.
- NEW JUNCTION BOXES SHALL BE INSTALLED TO EXTEND THE EXISTING WIRES TO THE NEW BOOTHS. NEW FEEDERS/WIRES SHALL BE INSTALLED FROM NEW JUNCTION BOXES TO NEW BOOTHS.
- FOR THE NETWORK INFRASTRUCTURE, THE CONTRACTOR SHALL REMOVE ALL EXISTING CONDUITS AND WIRES, CUTTING CONDUITS HALL BE INSTALLED FROM EACH NEW SECURITY BOOTH TO NEAREST OVERHEAD JUNCTION BOX THAT HAVE AN EXISTING PATH BACK TO THE CENTRALIZED NETWORK CABINET.
- 7. 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.
- 9. 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.
- . CONNECTION TO MOTOR OPERATED GATE ARMS SHALL BE PROVIDED BY THE CONTRACTOR.
- 21. IF OWNER'S OPTION IS APPROVED, STRICT COORDINATION WITH CPB WILL BE REQUIRED BEFORE ANY WORK IS STARTED AND COMPLETED IN THE OUTBOUND LANES WITH RPM'S (LANES 7 & 8 AT TMT; LANES 7 & 8 AT BIMT). 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:

22.

- THE CONTRACTOR SHALL SAWCUT ASPHALT PRIOR TO REMOVAL/DEMOLITION
- L ALL EXCAVATED MATERIAL, DEBRIS AND WASTE RESULTING FROM THIS JOB SHALL BE PROPERLY AND LEGALLY HAULED 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)
- 4. THE CONTRACTOR SHALL PREVENT SURFACE WATER FROM ENTERING THE EXCAVATION.
- ALL EXCAVATED AREAS SHALL BE PROOF ROLLED.
- 6. 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

- 1. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
- MINIMUM COVER SHALL BE 3".
- ALL REINFORCING STEEL SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES, IN CONFORMANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND ACI 531.

CONCRETE:

- 1. ALL CONCRETE SHALL BE PER ACI-318
- 2. ALL CONCRETE SHALL BE DESIGNED BY APPROVED LABORATORY, AND DESIGN MIX SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL
- 3. ALL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:
- a. 3000 PSI @ 28 DAYS
- b. MAXIMUM W/C RATIO OF 0.45
 - SLUMP OF 4" + / 1" MEASURED AT THE POINT OF DISCHARGE
 - SUBMIT MANUFACTURER'S PRODUCT DATA, SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR PROPRIETARY MATERIALS.
- 5. SUBMIT PROPORTIONS AND TESTING FACILITY REPORTS FOR ALL PROPOSED MIXES.
- 6. AN INDEPENDENT TESTING LABORATORY SHALL PERFORM FIELD TESTS AND PREPARE TEST RESULTS.

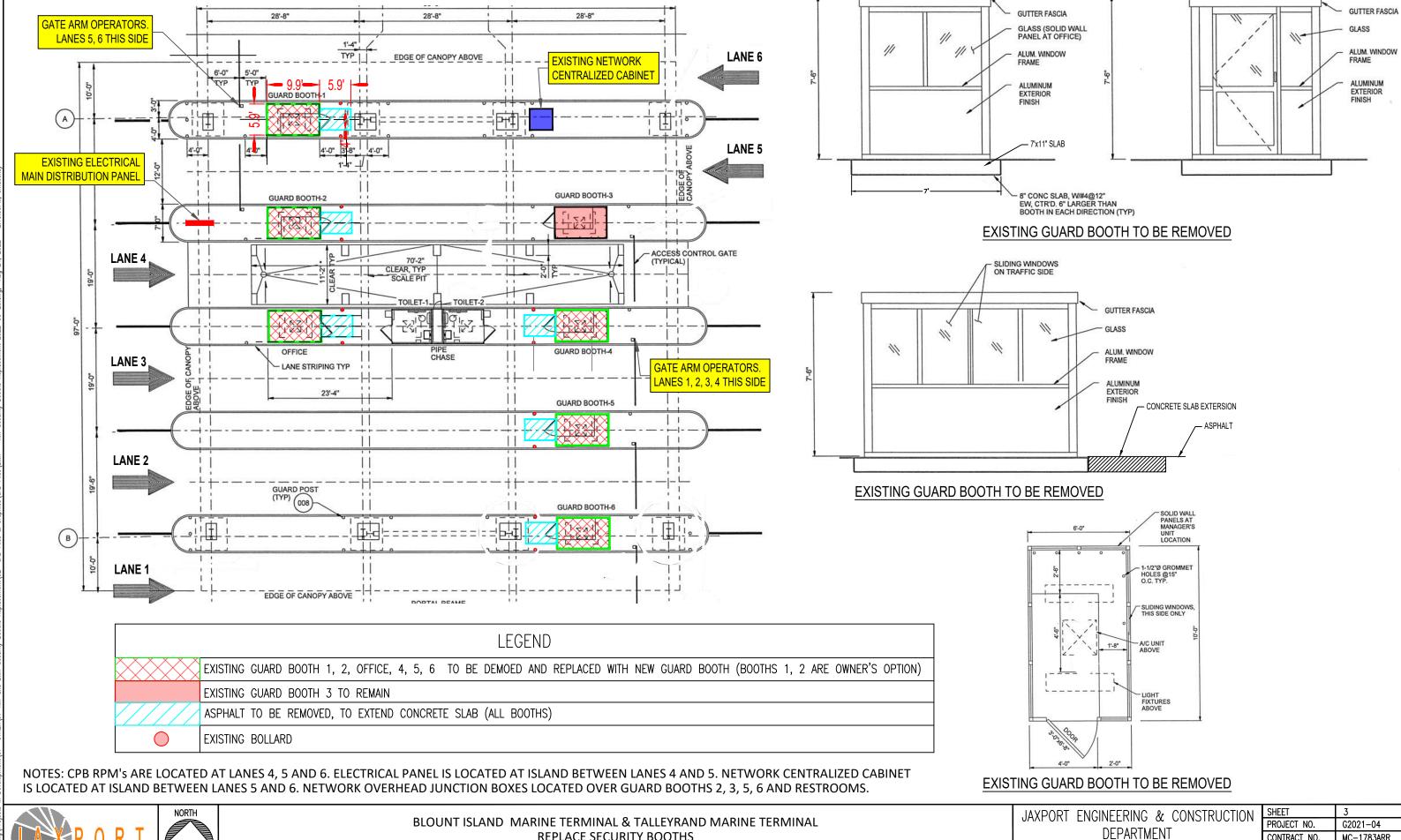




BLOUNT ISLAND MARINE TERMINAL & TALLEYRAND MARINE TERMINAL REPLACE SECURITY BOOTHS GENERAL NOTES

JAXPORT ENGINEERING & CONSTRUCTION DEPARTMENT	SHEET	2
	PROJECT NO.	G2021-04
	CONTRACT NO.	MC-1783ARR
2831 TALLEYRAND AVENUE	DATE	8/24/2022
JACKSONVILLE, FL 32206	SCALE	NTS

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CONTRACT NO.

DATE

SCALE

2831 TALLEYRAND AVENUE

JACKSONVILLE, FL 32206

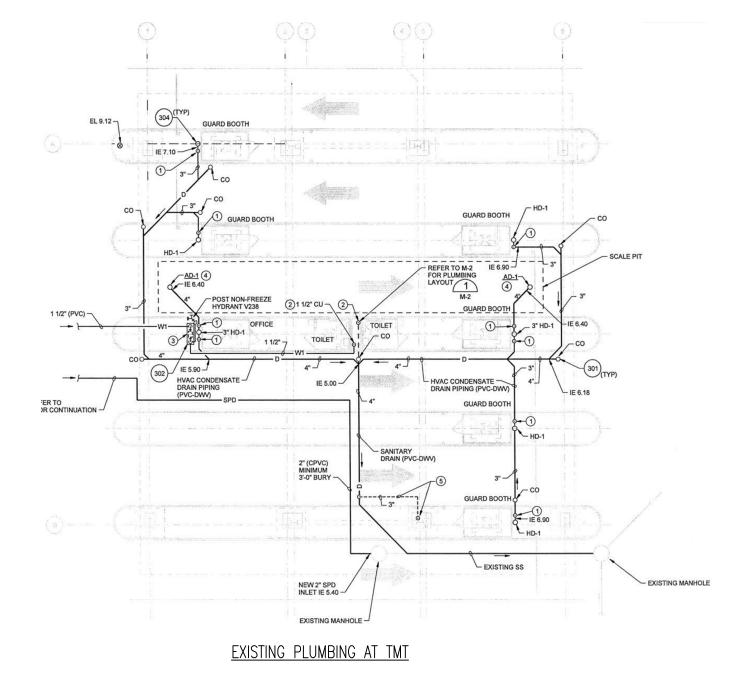
MC-1783ARR

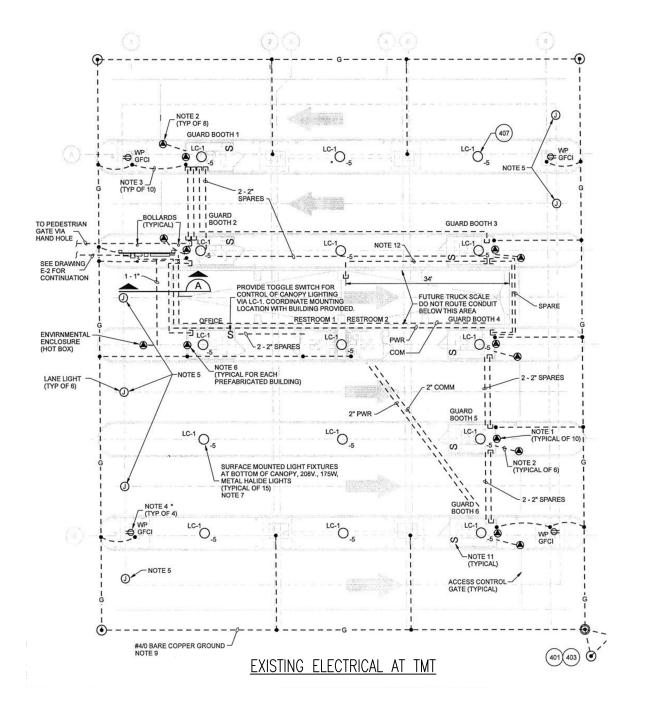
8/24/2022

NTS

REPLACE SECURITY BOOTHS

TMT EXISTING CONDITIONS AND LAYOUTS; DEMOLITION / REMOVAL PLAN





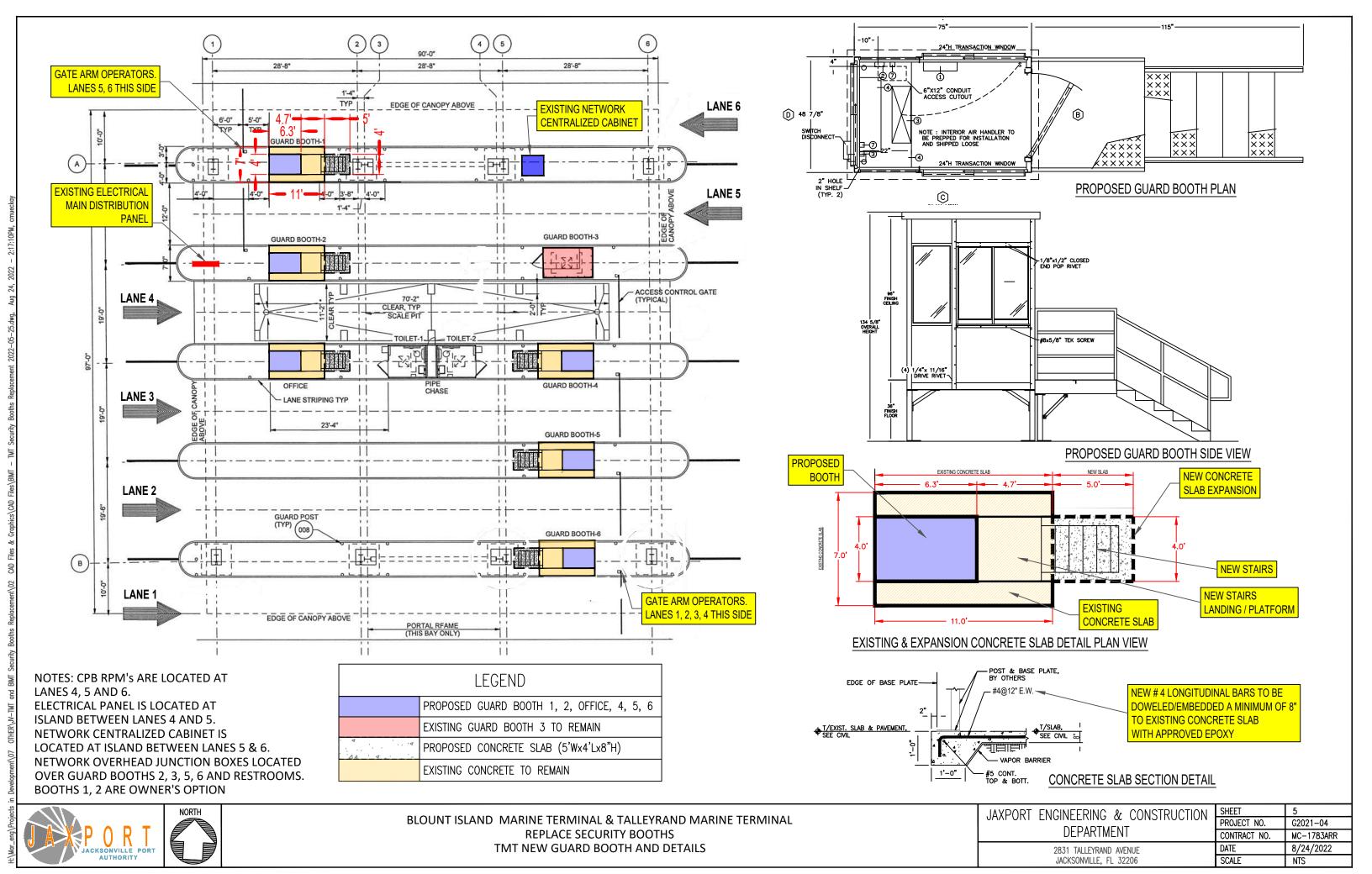
NOTES: CPB RPM's ARE LOCATED AT LANES 4, 5 AND 6. ELECTRICAL PANEL IS LOCATED AT ISLAND BETWEEN LANES 4 AND 5. NETWORK CENTRALIZED CABINET IS LOCATED AT ISLAND BETWEEN LANES 5 AND 6. NETWORK OVERHEAD JUNCTION BOXES LOCATED OVER GUARD BOOTHS 2, 3, 5, 6 AND RESTROOMS.

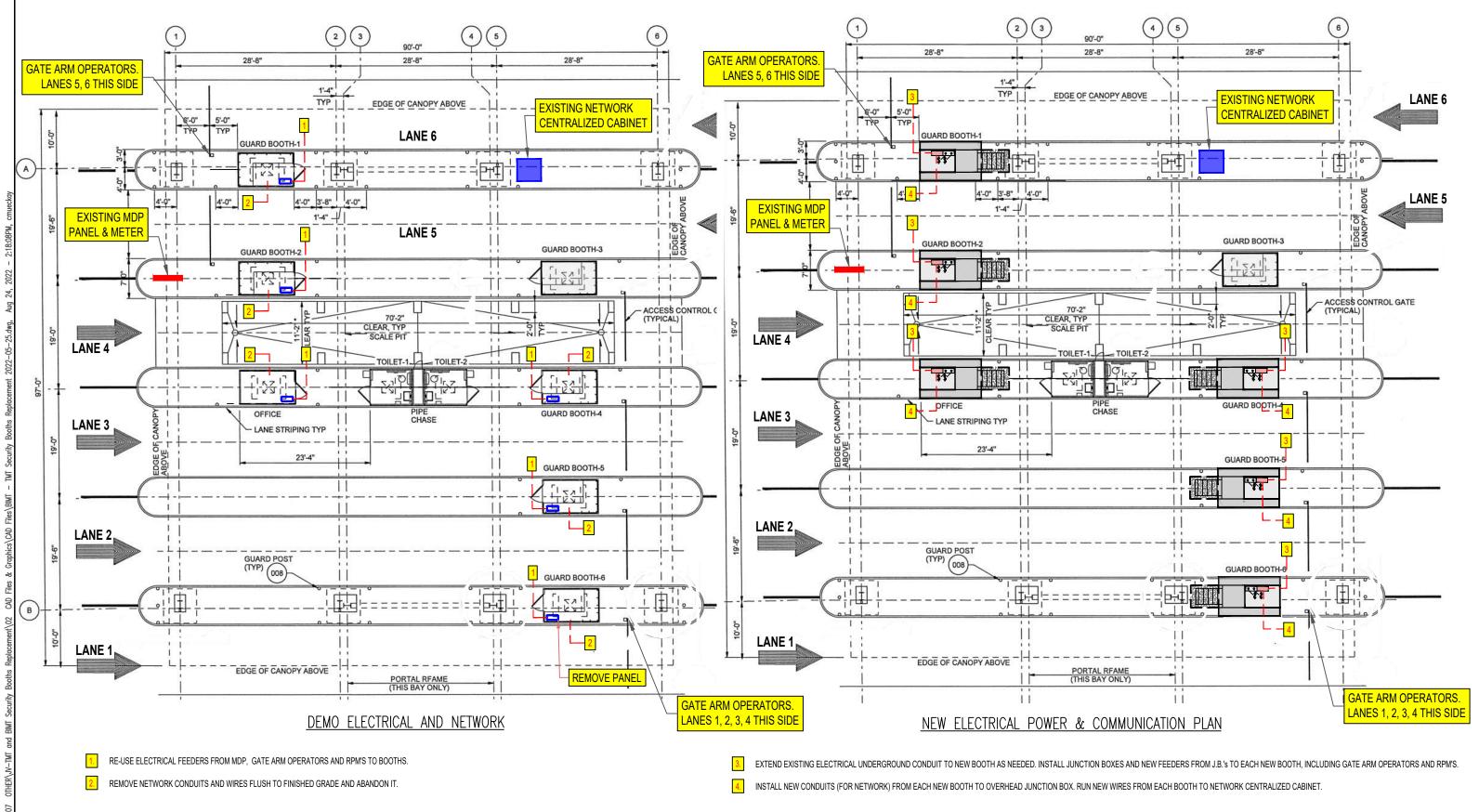






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2831 TALLEYRAND AVENUE	DATE	8/24/2022
JACKSONVILLE, FL 32206	SCALE	NTS





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.

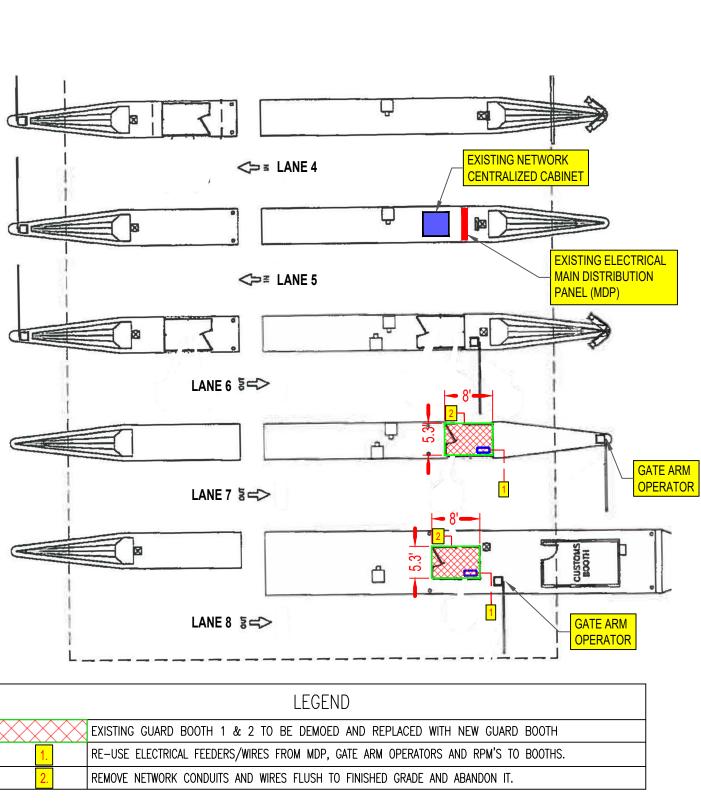
BOOTHS 1, 2 ARE OWNER'S OPTION





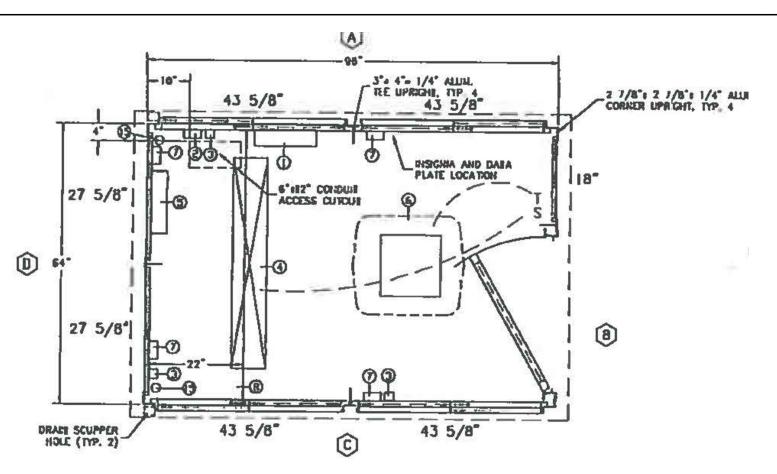
BLOUNT ISLAND MARINE TERMINAL & TALLEYRAND MARINE TERMINAL REPLACE SECURITY BOOTHS
TMT ELECTRICAL DEMO & NEW ELECTRICAL POWER PLAN

JAXPORT ENGINEERING & CONSTRUCTION	SHEET	6
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2831 TALLEYRAND AVENUE	DATE	8/24/2022
JACKSONVILLE, FL 32206	SCALE	NTS

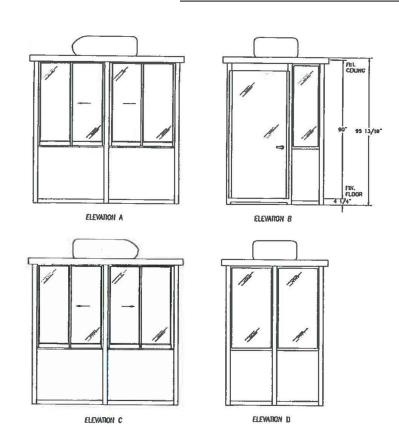


NOTES: CPB RPM's ARE LOCATED AT LANES 7 AND 8. ELECTRICAL PANEL AND CENTRALIZED NETWORK CABINET ARE LOCATED ON ISLAND BETWEEN LANES 4 AND 5. NETWORK OVERHEAD JUNCTION BOX LOCATED

OVER GUARD BOOTH BETWEEN LANES 6 AND 7. BOOTHS ELECTRICAL PANELS TO BE REMOVED AS PART OF BOOTH REMOVAL WORKS. BOTH BOOTHS AT BIMT ARE OWNER'S OPTION



EXISTING GUARD BOOTH TO BE REMOVED PLAN VIEW



GUARD BOOTH SECTION (EXISTING TO BE REMOVED)





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

JAXPORT ENGINEERING & CONSTRUCTION	SHEET	7
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