David J. Machado, PE
Brad P. Patano, PE
Gerrod W. Kilpatrick, PE
Bradford A. Jones. AIA
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ADDENDUM 1
ELEVATED REEFER PLUGS

Date: May 12, 2023

Project #: 0297.22.002

Project Name: Elevated Reefer Plugs
30th Avenue
Gulfport, MS 39501

Owner: Mississippi State Port Authority Port of Gulfport
30th Avenue
Gulfport, MS 39501

To: All Prospective Bidders

From: Nick Moody, PE, LEED AP BD+C

Bidders are hereby informed that the Project Manual and Drawings are modified as follows:

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents with a submittal signed and stamped date of April 13, 2023. It is the General Contractor's responsibility for providing proper acknowledgement and receipt of this Addendum in the Bid Forms/Document.

Attachments to this Addendum: As described herein

Total Number of Pages in this Addendum: 16 Pages

PART A: GENERAL ADDENDUM, BIDDING, AND/OR PROJECT NOTES:

A1. See attached for the Pre-bid Meeting Agenda.
A2. Deliveries to the site can be escorted by personnel that has a TWIC card.
A3. Work will be required to take place between the hours of 6:00 – 5:30. Contractor can request to work on the weekend if needed. Request must be made to the engineer-of-record and MSPA seven (7) calendar days prior to weekend being requested.

PART B: CONTRACTOR QUESTIONS WITH RESPONSES (Responses are in RED)
Note: If you do not see your question answered, then we are still researching or working on a solution.

B1. Picture on drawing C202 shows 10.5" cores for stand posts; C620 says 8" cores for posts. Which diameter is to be drilled? Is there a known depth of the asphalt
Response: The 10.5" shown in the picture on Sheet C202 is the asphalt depth, not the core diameter. The 8" shown on C620 is the core diameter.
B2. Is the raised structure to be built with galvanized steel and cold galvanized applied or is it to be building with carbon steel and galvanized dipped?
Response: The raised steel structure is to be hot-formed structural tubing that is blasted, primed, painted. See attached spec section 055000 Metal Fabrications.
B3. Will stored materials/advancement of materials be paid?

Response: Yes, the contractor will be required to submit the following backup information for stored materials; copies of invoices clearly indicating the cost of goods and project name, insurance certificates for the facility where materials are being stored, and pictures of stored materials with labels showing the project name.

B4. Will secured laydown space be made available for this project?
Response: Yes, see attached Sheet C201 for location.

B5. Will the "UL Listed expanding foam" be supplied by the owner for the sealing of the new reefer boxes? If not, can you please provide a spec for the expanding foam?
Response: Contractor shall provide and install, match existing.

B6. Do the 2 gang reefer boxes need 3/0 XHHW-2 since they are only 60 amps?
Response: Yes

B7. Who will be responsible for the identification tags and arc flash hazard stickers located on the new reefer boxes?
Response: Provided and installed by contractor, match existing.

B8. Can consideration be made to the below statement in the contract documents (Section 3 of the General Conditions)? This puts full responsibility on the contractor in the event MSPA does not receive state/federal funding for this project.
Response: This provision does not mean that the MSPA can decide to stop a project and terminate the contract in 10 days. It is not discretionary – the MSPA would have to be out of money and the State Legislature would have to significantly cut the MSPA's budget in the next legislative session to trigger this provision.

The proposer can rest assured that sufficient funds have been budgeted and approved by the state legislature for this project. For context, this provision is designed to protect the MSPA in very large infrastructure projects, spanning multiple years and multiple budget cycles.

PART C: DRAWING CLARIFICATIONS, REVISIONS, AND ADDITIONS:

C1. See attached for the following revised drawings:
1. C201 North Harbor Site Plan
2. C620 Civil Site Details
3. E002 Electrical Abbreviations & Schedules
4. E601 Electrical One-line Diagram
5. E602 Electrical One-line Diagram
6. E603 Electrical One-line Diagram
7. E604 Electrical One-line Diagram
8. E605 Electrical One-line Diagram

PART D: SPECIFICATION CLARIFICATIONS, REVISIONS, AND ADDITIONS

D1. Information for Bidders
- Page 2 – paragraph should read: "**<u>If Bidder does not have a Certificate of Responsibility number he can only bid on public projects seventy-five thousand dollars ($75,000.00) or less and must provide a statement on the outside or exterior of the envelope or container containing his bid to the effect that the bid enclosed therewith does not exceed seventy-five thousand dollars ($75,000.00).</u>** "

D2. Omit Section 051200 – Structural Steel Framing

D3. Omit Section 099113 – Exterior Painting

D4. See attached for the following revised specifications:
1. Section 055000 – Metal Fabrications

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PART E: APPROVED PRODUCT/VENDOR EQUALS

E1. None this addendum.

END OF ADDENDUM 1

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PRE-BID MEETING

Mississippi State Port Authority at Gulfport
Elevated Reefer Plugs
0297.22.002

Date/ Time:

Wednesday, May 10, 2023

Pre-Bid Meeting Location:

Mississippi State Port Authority at Gulfport (MSPA)
2510 14th Street
Gulfport, MS 39501

Introductions:

- Owner Representatives:
  - James Buras, PE – Port Engineer
  - Teresa Ehrlich – Project Manager
  - Cindy Ford – Engineering Administrative Assistant
- Design Team:
  - David Machado, PE – Principal-in-charge
  - Nick Moody, PE, LEED AP BD+C – Project Manager
  - Kenny Beverin – Project Engineer

Project Location:

Mississippi State Port Authority at Gulfport
North Harbor

Project Description

- This project consists of the demolition and replacement of the existing reefer plugs located north of the west pier in the Port of Gulfport. The new reefer plugs will be elevated on fabricated pedestals to an elevation of 4 ft. above existing grade.

Bid Day:

- Thursday, May 25, 2023
- Sealed Bids inside an opaque envelope are due by 2:00 PM. Late bids will be considered invalid.
- Bids shall be delivered to 2510 14th Street, Suite 1450, Gulfport, Mississippi, 39501
- Bid Opening: Same day, after the bids are due bids will be opened, read out loud, and recorded.
- Review page 2 of the Advertisement to Bid along with the General Conditions for information required to submit with your bid.
- Use the MSPA bid form provided in the Project Manual. Be sure to complete, sign, and date the form.
- Complete the Certification Regarding Debarment Form included in the Project Manual.
- Complete the List of Subcontractors.
- Review insurance requirements/provisions for labor laws.
- Certification Letter stating the bidder will agree to use Mississippi products over non-Mississippi products when all things are equal with respect to price, quality, availability and service.
- Certification Letter stating all new labor hires will be residents of Mississippi.
- Non-resident Bidder – must provide a copy of contractor's current State law pertaining to own State's treatment of non-resident contractors.
- Provide two (2) copies of all submission documents.
- Bid must be accompanied by cash, a cashier's check, certified check or bid bond in the amount of ten percent (10%) of the total bid amount.

- Mark the outside of the envelope clearly with the following information:
  - Project Name
  - Bid Date
  - Company Name
  - Company Address
  - All applicable state license and certificate numbers
  - Certificate of Responsibility Number is required for bids over $50,000
  - No modifications may be made to the bid on the outside of the envelope.

Information for Bidders:

- All questions must be submitted electronically via email to Cindy Ford at cford@shipmspa.com.
- All addenda will be issued electronically via email from MSPA and from Central Bidding
- Cut off for questions will be Wednesday, May 17th at 5:00 pm.
- Contractor will be required to execute the Contract within fourteen (14) calendar days from the date of Notice of Award.
- After approval by the MSPA Board at its monthly meeting the contract will then be sent to MDA for execution. A fully executed contract should be distributed within 30 days of MDA's signature.

Addenda:

- None at this time.
- Addendum 01 coming this week

Alternates:

- No alternates

Time of Completion:

- Contract Time: 240 days.
- Inclement Weather Days will be allowed. Contractor is required to provide written notification of request within 10 days of the inclement weather event.

Liquidated Damages:

- $500.00 for each calendar day over the contract time.

Submittals:

- Procore Software shall the basis for file sharing, submittal review, and all other transmittals pertaining to the Work.

Work Constraints:

- TWIC cards will be required for all personnel.
- Company vehicles used to access the site will have to registered with MSPA operations.
- Owner will continue to occupy adjacent buildings and portions of the site. Confine operations to within limits of work.
- Coordinate job security with the MSPA security and operations.
- No obstruction of roadways, sidewalks, or other public pathways is allowed.
- No deadly weapons of any kind are permitted on the property.
- No tobacco products or alcohol are allowed on the construction site, or anywhere on the MSPA property
- Coordinate utility outages with Engineer of Record seven (7) days prior.
- Hurricane Season: Contractor is responsible for any additional mobilization/storage costs made necessary by a hurricane threat level issued by the National Hurricane Center/NOAA/NWS

Temporary Facilities and Controls:

- Temporary restrooms will be required.
- Job Security will be by the GC per contract.
- Waste removal is required to maintain a clean and orderly site
- No burning or burying of waste allowed on site
- Securing active work zones and providing barriers any unauthorized peoples will be the responsibility of the GC through the duration of the project.
-

Temporary Utilities:

- Temporary utilities, i.e., wifi/internet, water, sewer, electrical, etc. will be at the contractor's expense.

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Parking and Laydown:

- Certain existing parking areas can be used by the construction personnel. This will be coordinated with the Owner after contract award along with a designated area for laydown.

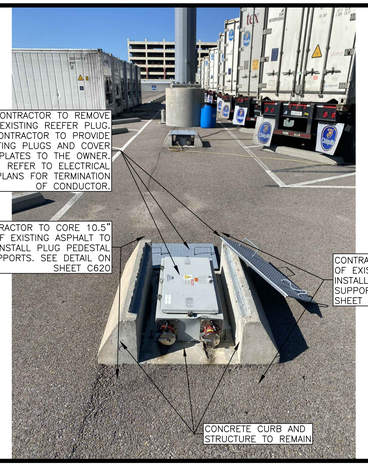
Specific Project Information:

- New reefer plugs will be provided by the owner. MSPA staff will have a transfer sheet to keep track of reefer plugs that are provided to the contractor. New reefer plugs will be released to the contractor by MSPA at the start of each milestone.
- Existing reefer plugs will be supplied to the owner once removed. MSPA staff will also have a transfer sheet to keep track of existing plugs provided to the owner. Existing reefer plugs will be accepted by MSPA at the completion of each milestone is verified.
- Project Milestones (7 Total):
    - Milestones #1 – 7
        - Existing reefer plugs to be disconnected and removed. Plugs and plug covers should be provided to the owner. Contractor to coordinate delivery with the owner.
        - Install new reefer plug supports.
        - Install reefer plugs and reconnect to existing electrical conductor.
        - Test each reefer plug to ensure they're operational.
        - Once all work has been approved by the engineer-of-record and the owner, then the contractor can proceed to the next milestone.

Questions

SURVEY LEGEND

- DENOTES WATER VALVE
- DENOTES ELECTRICAL MANHOLE
- DENOTES FIRE HYDRANT
- DENOTES DRAIN INLET
- DENOTES COMMUNICATIONS MANHOLE
- DENOTES REEFER PLUG



TYPICAL EXISTING REEFER PLUG DEMOLITION

N

0' 30' 60' 120'

GRAPHIC SCALE
1" = 60'

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NICHOLAS W. MOODY
LICENSED PROFESSIONAL ENGINEER
5/8/2023
28230
STATE OF MISSISSIPPI

ELEVATED REEFER PLUGS
PORT OF GULFPORT MISSISSIPPI
STATE PORT AUTHORITY
30TH AVENUE
GULFPORT, MS 39501

SCALE: AS INDICATED
PROJECT NO: 0297.22.002
DRAWN BY: NWM
CHECKED BY: NWM

NORTH HARBOR SITE PLAN

NO.	DATE	REVISION / SUBMITTAL
REV 0	4/13/2023	ISSUED FOR CONSTRUCTION
REV 1	5/12/2023	ADDENDUM 01

C201

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

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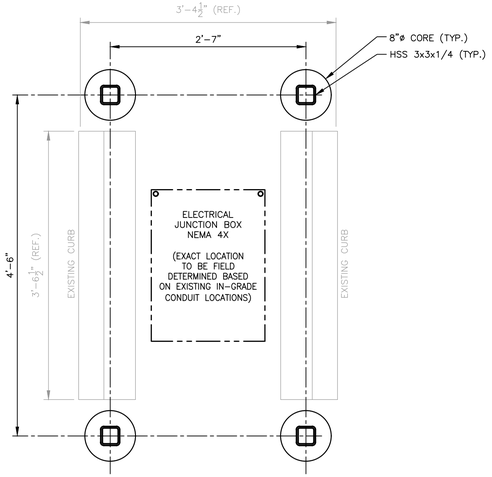
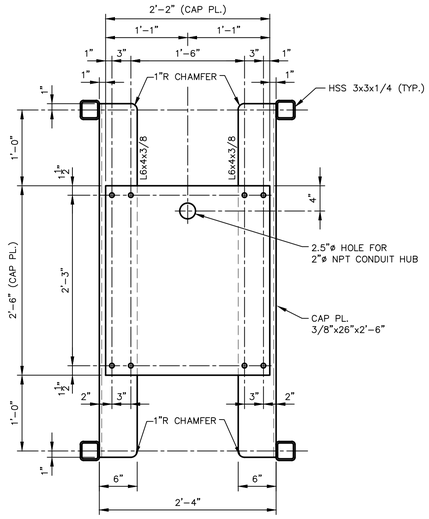
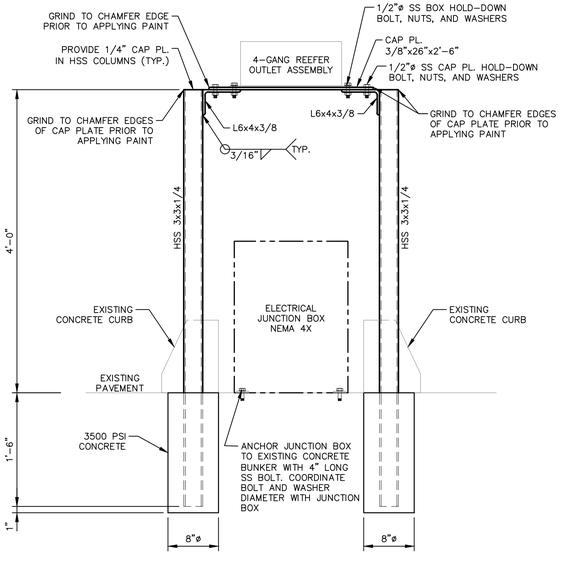


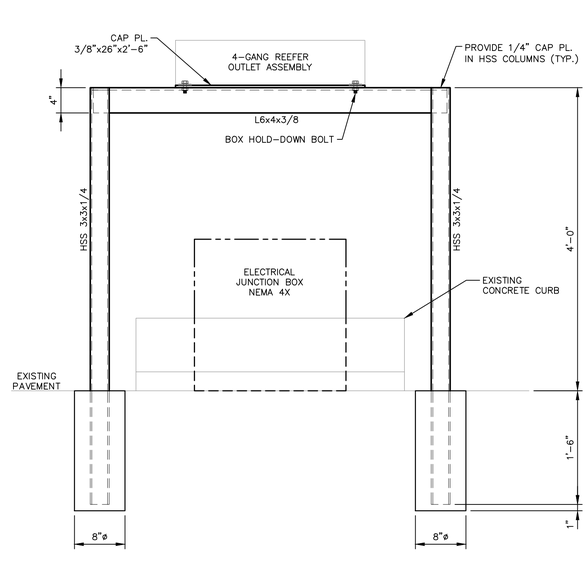
FOUNDATION PLAN



FRAMING PLAN



ELEVATION



ELEVATION

1 REEFER PLUG PEDESTAL DETAIL

SCALE: 1" = 1'-0"

2 ELEVATED REEFER PLUG RENDERING (FOR REFERENCE ONLY)

NOT TO SCALE

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28230
STATE OF MISSISSIPPI

ELEVATED REEFER PLUGS
PORT OF GULFPORT MISSISSIPPI STATE PORT AUTHORITY
30TH AVENUE
GULFPORT, MS 39501

SCALE: AS INDICATED
PROJECT NO: 0297.22.002
DRAWN BY: NWM
CHECKED BY: NWM

CIVIL SITE DETAILS

NO.	DATE	REVISION / SUBMITTAL
REV 0	4/13/2023	ISSUED FOR CONSTRUCTION
REV 1	5/12/2023	ADDENDUM 01

C620

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ABBREVIATIONS

A

A	AMPERE(S)
AC	ALTERNATING CURRENT
AD	AIR DRYER
A/C	AIR CONDITIONING
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERES INTERRUPTING CAPACITY
ALUM	ALUMINUM
AT	AMPERE TRIP
AWG	AMERICAN WIRE GAGE
AHU	AIR HANDLING UNIT

C

C	CONDUIT
CB	CIRCUIT BREAKER
CC	COMPRESSOR
CKT	CIRCUIT
CL	CLASS
COND	CONDUCTOR(S)
CT	CURRENT TRANSFORMER
CU	COPPER
COMM	COMMUNICATION
CWP	CHILLED WATER PUMP

D

DC	DIRECT CURRENT
DET.	DETECTOR

E

E.C.	ELECTRICAL CONTRACTOR
EEB	ELECTRICAL EQUIPMENT BUILDING
EF	EXHAUST FAN
EL.	ELEVATION
EM	EMERGENCY
ESD	EMERGENCY SHUTDOWN
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING

F

FC	FOOT CANDLE
FF	FINISHED FLOOR
FLA	FULL LOAD AMPS
FL	FLUORESCENT
FREQ.	FREQUENCY
FT.	FOOT; FEET

G

G	GROUND
GALV	GALVANIZED
GFI	GROUND FAULT INTERRUPTER
GND	GROUND

H

HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HZ	HERTZ

J

JB	JUNCTION BOX

K

KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT.AMPERES
KW	KILOWATT

L

LBS.	POUNDS
LEV	LEVEL
LTG.	LIGHTING
LV	LOW VOLTAGE

M

MCB	MAIN CIRCUIT BREAKER
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MH	MOUNTING HEIGHT

N

N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NF	NONFUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	UN SWITCHED NIGHT LIGHT
NTS	NOT TO SCALE

O

OC	ON CENTER
OL	OVERLOAD CONTACT

P

ø	PHASE
PB	PULL BOX
PNL	PANEL
PR	PAIR
PE	PHOTO ELECTRIC
PHWP	HEAT PUMP
PRI	PRIMARY
PIR	PASSIVE INFRARED
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
PWR	POWER

R

REC	RECEPTACLE
REQ'D.	REQUIRED
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RT	RAINTIGHT

S

SEC	SECONDARY
SMK	SMOKE
SPC	SINGLE POINT CONNECTION
SR	SUNRISE
SS	SUNSET
STD	STANDARD
SUPVR	SUPERVISORY
SWBD	SWITCHBOARD

T

TYP	TYPICAL

U

UG	UNDERGROUND
UL	UNDERWRITER'S LABORATORIES

V

V	VOLTS
VAC	VOLTAGE, ALTERNATING CURRENT
VDC	VOLTAGE, DIRECT CURRENT

W

W	WATTS, WIRE, WIDTH
WP	WEATHERPROOF

X

XFMR	TRANSFORMER

FEEDER SCHEDULE

TYPE THHN/THWN INSUL. COPPER CONDUCTOR AMPACITY BASED ON (75° TEMP. RATING) IN RIGID METAL CONDUIT
FOR REEFER OUTLET ASSEMBLIES: XHHW-2 TYPE TC CABLE BASED ON (90° TEMP. RATING) IN RIGID METAL CONDUIT
DRY INTERIOR LOCATIONS: EMT WITH CAST COMPRESSION FITTINGS
WET EXTERIOR LOCATIONS: RGS WITH CAST FITTINGS
UNDERGROUND INSTALLATIONS: SCHEDULE 80 PVC BELOW SLAB OR CONCRETE ENCASED. FIBERGLASS ELSEWHERE.

FEEDER DESIGNATION	3PH+G PHASE + GND. CONDUCTORS AND CONDUIT SIZE	FEEDER DESIGNATION	3PH+N+G PHASE + NEUTRAL + GND. CONDUCTORS AND CONDUIT SIZE	FEEDER DESIGNATION	2 WIRE + NEUTRAL + GND. OR 2 WIRE + GND. OR 1 WIRE + NEUTRAL + GND. CONDUCTORS AND CONDUIT SIZE
20	3#12+#12 GND., 3/4"C	20N	4#12+#12 GND., 3/4"C	20S	2#12+#12 GND., 3/4"C
30	3#10+#10 GND., 3/4"C	30N	4#10+#10 GND., 3/4"C	30S	2#10+#10 GND., 3/4"C
50	3#8+#10 GND., 1"C	50N	4#8+#10 GND., 1"C	50S	2#8+#10 GND., 1"C
65	3#6+#8 GND., 1"C	65N	4#6+#8 GND., 1 1/4"C	65S	2#6+#8 GND., 1"C
85	3#4+#8 GND., 1 1/4"C	85N	4#4+#8 GND., 1 1/4"C	85S	2#4+#8 GND., 1 1/4"C
100	3#3+#8 GND., 1 1/4"C	100N	4#3+#8 GND., 1 1/2"C	100S	2#3+#8 GND., 1 1/4"C
115	3#2+#6 GND., 1 1/2"C	115N	4#2+#6 GND., 1 1/2"C	115S	2#2+#6 GND., 1 1/2"C
130	3#1+#6 GND., 1 1/2"C	130N	4#1+#6 GND., 2"C	130S	2#1+#6 GND., 1 1/2"C
150	3#1/0+#6 GND., 2"C	150N	4#1/0+#6 GND., 2"C	150S	2#1/0+#6 GND., 2"C
175	3#2/0+#6 GND., 2"C	175N	4#2/0+#6 GND., 2 1/2"C	175S	2#2/0+#6 GND., 2"C
200	3#3/0+#6 GND., 2"C	200N	4#3/0+#6 GND., 2 1/2"C	200S	2#3/0+#6 GND., 2"C
230	3#3/0+#4 GND., 2"C	230N	4#4/0+#4 GND., 3"C	230S	2#4/0+#4 GND., 2 1/2"C
255	3#250+#4 GND., 2 1/2"C	255N	4#250+#4 GND., 3"C	255S	2#250+#4 GND., 2 1/2"C
285	3#300+#4 GND., 3"C	285N	4#300+#4 GND., 3"C	285S	2#300+#4 GND., 3"C
310	3#350+#3 GND., 3"C	310N	4#350+#3 GND., 4"C	310S	2#350+#3 GND., 3"C
335	3#400+#3 GND., 3"C	335N	4#400+#3 GND., 4"C	335S	2#400+#3 GND., 4"C
380	3#500+#3 GND., 4"C	380N	4#500+#3 GND., 4"C	380S	2#500+#3 GND., 4"C
400	2 SETS(3#3/0+#3 GND., 2"C)	400N	2 SETS(4#3/0+#3 GND., 2 1/2"C)		
420	3#600+#2 GND., 4"C	420N	4#600+#2 GND., 4"C		
460	2 SETS(3#4/0+#2 GND., 2"C)	460N	2 SETS(4#4/0+#2 GND., 2 1/2"C)		
510	2 SETS(3#250+#1 GND., 2 1/2"C)	510N	2 SETS(4#250+#1 GND., 3"C)		
570	2 SETS(3#300+#4 GND., 2 1/2"C)	570N	2 SETS(4#300+#4 GND., 3"C)		
620	2 SETS(3#350+#1/0 GND., 3"C)	620N	2 SETS(4#350+#1/0 GND., 3"C)		
760	2 SETS(3#500+#1/0 GND., 3"C)	760N	2 SETS(4#500+#1/0 GND., 4"C)		
840	2 SETS(3#600+#2/0 GND., 4"C)	840N	2 SETS(4#600+#2/0 GND., 4"C)		
855	3 SETS(3#300+#2/0 GND., 2 1/2"C)	855N	3 SETS(4#300+#2/0 GND., 3"C)		
1005	3 SETS(3#400+#3/0 GND., 3"C)	1005N	3 SETS(4#400+#3/0 GND., 3"C)		
1240	4 SETS(3#350+#4/0 GND., 3"C)	1240N	4 SETS(4#350+#4/0 GND., 4"C)		
1650	5 SETS(3#400+#250 GND., 3"C)	1650N	5 SETS(4#400+#250 GND., 4"C)		
2010	6 SETS(3#400+#350 GND., 3"C)	2010N	6 SETS(4#400+#350 GND., 4"C)		
2660	7 SETS(3#500+#450 GND., 4"C)	2660N	7 SETS(4#500+#400 GND., 4"C)		
3040	8 SETS(3#500+#500 GND., 4"C)	3040N	8 SETS(4#500+#500 GND., 4"C)		
4180	11 SETS(3#500+#700 GND., 4"C)	4180N	11 SETS(4#500+#700 GND., 4"C)		
MV500	3 #500 KCMIL+#4/0 GND., 5"C				

EQUIPMENT BY OTHERS

THE FOLLOWING EQUIPMENT SHALL BE SUPPLIED BY THE OWNER; INSTALLED AND COMMISSIONED BY THE CONTRACTOR. CONTRACTOR SHALL INSTALL PER SPECIFICATIONS AND EQUIPMENT DOCUMENTATION FOR A COMPLETE AND OPERABLE SYSTEM:

- REEFER PLUGS
  - ** 2-GANG REEFER OUTLET ASSEMBLY, 480VAC, 3-PHASE, 3-WIRE, 60 AMP. NOTE THAT RR3N-16 IS A 35 KAIC RATED REEFER OUTLET ASSEMBLY AND RR3N-17 IS A 65 KAIC RATED REEFER OUTLET ASSEMBLY.
  - ** 4-GANG REEFER OUTLET ASSEMBLY, 480VAC, 3-PHASE, 3-WIRE, 120 AMP.

CONTRACTOR SHALL PROVIDE ALL MISC. EQUIPMENT REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

LOCK OUT/TAG OUT

CONTRACTOR SHALL DEVELOP A LOCK OUT/TAG OUT PLAN AND SUBMIT TO THE PORT OF GULFPORT FOR REVIEW AND APPROVAL PRIOR TO STARTING WORK.

REEFER OUTLET ASSEMBLY LABELING

CONTRACTOR SHALL PROVIDE AND INSTALL THE FOLLOWING LABELING ON EACH REEFER OUTLET ASSEMBLY:
1. REEFER OUTLET ASSEMBLY NUMBER AND CIRCUIT NUMBER – CONTRACTOR SHALL MATCH INFORMATION ON EXISTING REEFER OUTLET ASSEMBLIES.
2. ARC FAULT STICKER – CONTRACTOR SHALL MATCH INFORMATION ON EXISTING REEFER OUTLET ASSEMBLIES.
3. CONDUCTOR LABELING – CONTRACTOR SHALL MATCH EXISTING CONDUCTOR LABELING.

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BRADLEY P. PATANO – REGISTERED PROFESSIONAL – ENGINEER – 5/12/2023 – 17411 – STATE OF MISSISSIPPI

ELEVATED REEFER PLUGS
PORT OF GULFPORT MISSISSIPPI
STATE PORT AUTHORITY
30TH AVENUE
GULFPORT, MS 39501

SCALE: NOT TO SCALE
PROJECT NO: 0297.22.002
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ELECTRICAL ABBREVIATIONS & SCHEDULES

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REV 0	4/13/2023	ISSUED FOR CONSTRUCTION
REV 1	5/12/2023	ADDENDUM 1

E002

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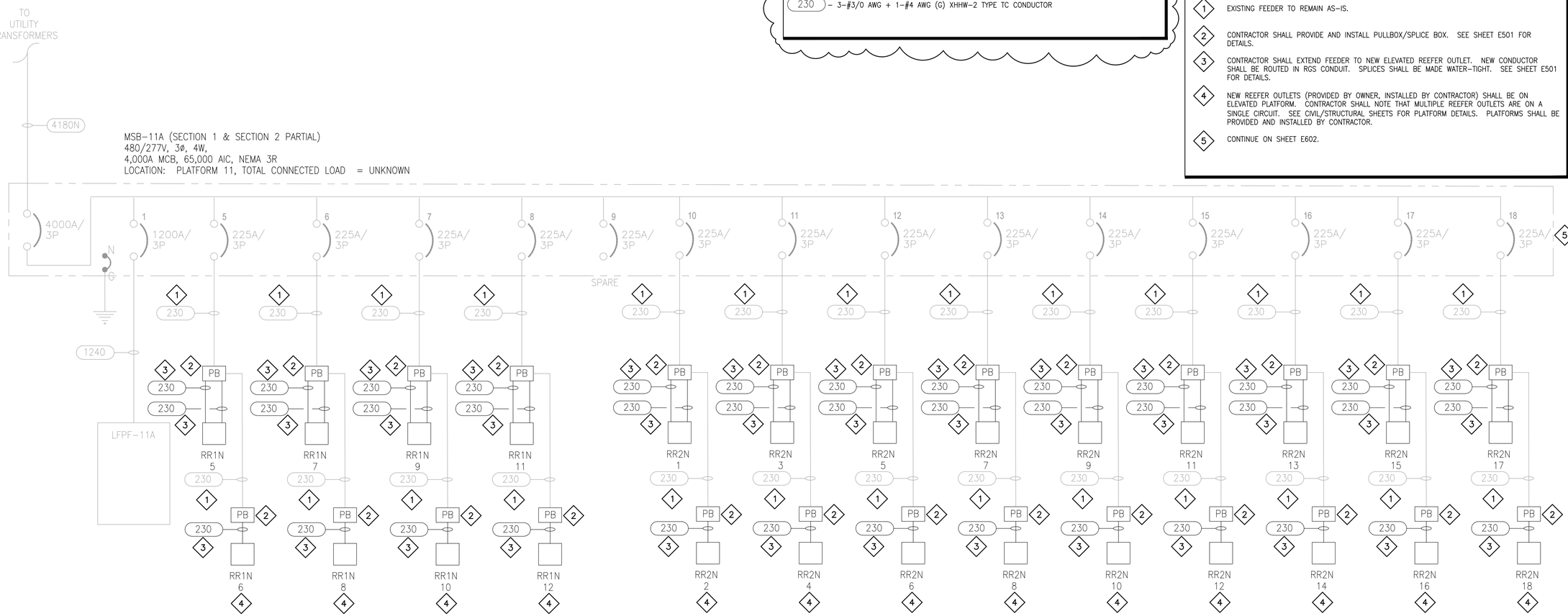
SHEET E601 LEGEND

230 – 3–#3/0 AWG + 1–#4 AWG (G) XHHW–2 TYPE TC CONDUCTOR

DRAWING E601 SPECIFIC NOTES

1. EXISTING FEEDER TO REMAIN AS–IS.
2. CONTRACTOR SHALL PROVIDE AND INSTALL PULLBOX/SPLICE BOX. SEE SHEET E501 FOR DETAILS.
3. CONTRACTOR SHALL EXTEND FEEDER TO NEW ELEVATED REEFER OUTLET. NEW CONDUCTOR SHALL BE ROUTED IN RGS CONDUIT. SPLICES SHALL BE MADE WATER–TIGHT. SEE SHEET E501 FOR DETAILS.
4. NEW REEFER OUTLETS (PROVIDED BY OWNER, INSTALLED BY CONTRACTOR) SHALL BE ON ELEVATED PLATFORM. CONTRACTOR SHALL NOTE THAT MULTIPLE REEFER OUTLETS ARE ON A SINGLE CIRCUIT. SEE CIVIL/STRUCTURAL SHEETS FOR PLATFORM DETAILS. PLATFORMS SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR.
5. CONTINUE ON SHEET E602.



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ELECTRICAL ONE-LINE DIAGRAM

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E601

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SHEET E602 LEGEND

230 – 3–#3/0 AWG + 1–#4 AWG (G) XHHW–2 TYPE TC CONDUCTOR

DRAWING E602 SPECIFIC NOTES

1. EXISTING FEEDER TO REMAIN AS–IS.
2. CONTRACTOR SHALL PROVIDE AND INSTALL PULLBOX/SPLICE BOX. SEE SHEET E501 FOR DETAILS.
3. CONTRACTOR SHALL EXTEND FEEDER TO NEW ELEVATED REEFER OUTLET. NEW CONDUCTOR SHALL BE ROUTED IN RGS CONDUIT. SPLICES SHALL BE MADE WATER–TIGHT. SEE SHEET E501 FOR DETAILS.
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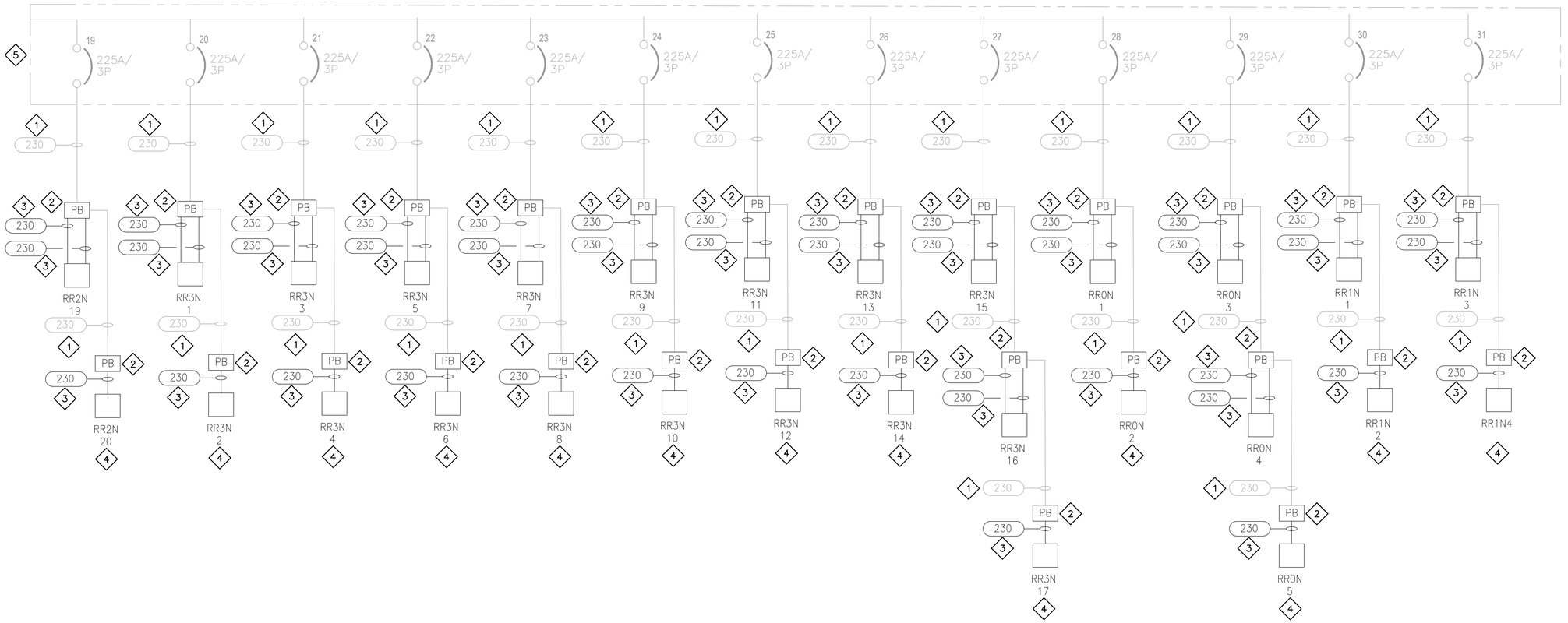
5. CONTINUE ON SHEET E601.

MSB–11A (SECTION 2 PARTIAL AND SECTION 3 PARTIAL)
480/277V, 3ø, 4W,
4,000A MCB, 65,000 AIC, NEMA 3R
LOCATION: PLATFORM 11, TOTAL CONNECTED LOAD = UNKNOWN



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ELEVATED REEFER PLUGS
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STATE PORT AUTHORITY
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GULFPORT, MS 39501

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ELECTRICAL ONE-LINE DIAGRAM

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REV 1	5/12/2023	ADDENDUM 1

E602

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SHEET E603 LEGEND

230 – 3–#3/0 AWG + 1–#4 AWG (G) XHHW–2 TYPE TC CONDUCTOR

DRAWING E603 SPECIFIC NOTES

1. EXISTING FEEDER TO REMAIN AS–IS.
2. CONTRACTOR SHALL PROVIDE AND INSTALL PULLBOX/SPLICE BOX. SEE SHEET E501 FOR DETAILS.
3. CONTRACTOR SHALL EXTEND FEEDER TO NEW ELEVATED REEFER OUTLET. NEW CONDUCTOR SHALL BE ROUTED IN RGS CONDUIT. SPLICES SHALL BE MADE WATER–TIGHT. SEE SHEET E501 FOR DETAILS.
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5. CONTINUE ON SHEET E604.

TO UTILITY TRANSFORMERS

4180N

MSB–11B (SECTION 1 & SECTION 2 PARTIAL)
480/277V, 3ø, 4W,
4,000A MCB, 65,000 AIC, NEMA 3R
LOCATION: PLATFORM 11, TOTAL CONNECTED LOAD = UNKNOWN

4000A/ 3P

1	5	6	7	8	9	10	11	12	13	14	15	16	17
1200A/ 3P	225A/ 3P	225A/ 3P	225A/ 3P	225A/ 3P	225A/ 3P	225A/ 3P	225A/ 3P	225A/ 3P	225A/ 3P	225A/ 3P	225A/ 3P	225A/ 3P	225A/ 3P
	RR4N 9	RR4N 11	RR4N 13	RR5N 1	RR5N 3	RR5N 5	RR5N 7	RR5N 9	RR5N 11	RR6N 1	RR6N 3	RR6N 5	RR6N 7
	RR4N 10	RR4N 12	RR4N 14	RR5N 2	RR5N 4	RR5N 6	RR5N 8	RR5N 10		RR6N 2	RR6N 4	RR6N 6	RR6N 8

5

1240

LFPF–11B

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ELEVATED REEFER PLUGS
PORT OF GULFPORT MISSISSIPPI
STATE PORT AUTHORITY
30TH AVENUE
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ELECTRICAL ONE-LINE DIAGRAM

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REV 1	5/12/2023	ADDENDUM 1

E603

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SHEET E604 LEGEND

(230) – 3–#3/0 AWG + 1–#4 AWG (G) XHHW–2 TYPE TC CONDUCTOR

DRAWING E604 SPECIFIC NOTES

1. EXISTING FEEDER TO REMAIN AS–IS.
2. CONTRACTOR SHALL PROVIDE AND INSTALL PULLBOX/SPLICE BOX. SEE SHEET E501 FOR DETAILS.
3. CONTRACTOR SHALL EXTEND FEEDER TO NEW ELEVATED REEFER OUTLET. NEW CONDUCTOR SHALL BE ROUTED IN RGS CONDUIT. SPLICES SHALL BE MADE WATER–TIGHT. SEE SHEET E501 FOR DETAILS.
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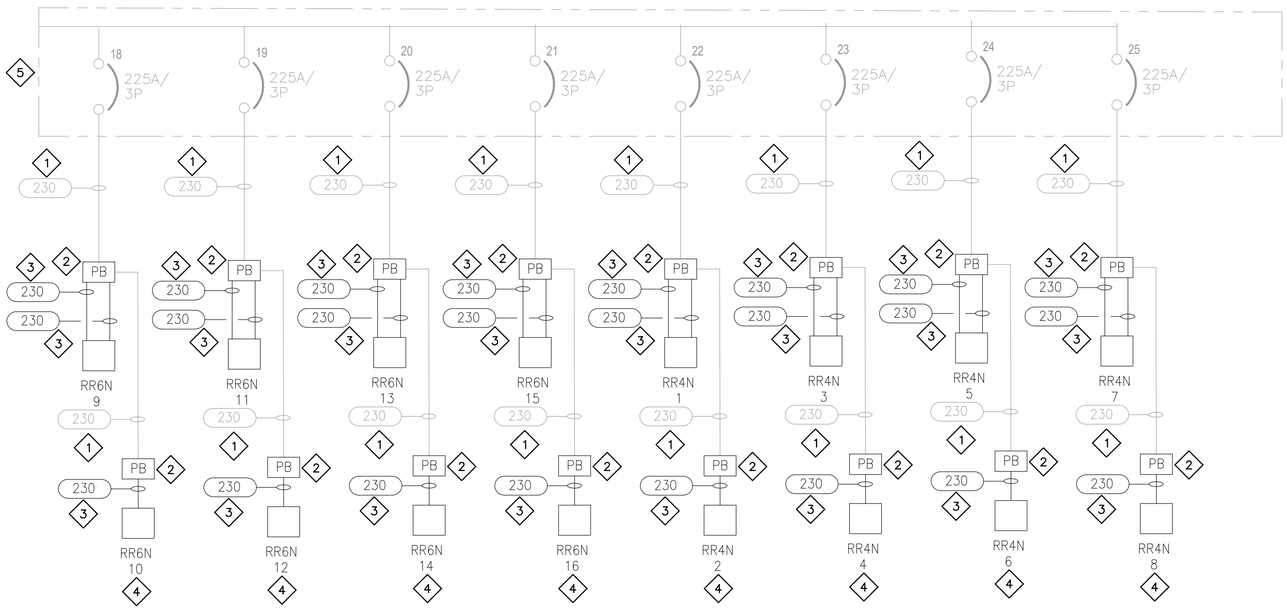
5. CONTINUE ON SHEET E603.

MSB–11B (SECTION 2 PARTIAL)
480/277V, 3ø, 4W,
4,000A MCB, 65,000 AIC, NEMA 3R
LOCATION: PLATFORM 11, TOTAL CONNECTED LOAD = UNKNOWN



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BRADLEY P. PATANO
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ENGINEER
5/12/23
17411
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ELEVATED REEFER PLUGS
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REV 1	5/12/2023	ADDENDUM 1

E604

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SHEET E605 LEGEND

230 – 3–#3/0 AWG + 1–#4 AWG (G) XHHW–2 TYPE TC CONDUCTOR

DRAWING E605 SPECIFIC NOTES

1. EXISTING FEEDER TO REMAIN AS–IS.
2. CONTRACTOR SHALL PROVIDE AND INSTALL PULLBOX/SPLICE BOX. SEE SHEET E501 FOR DETAILS.
3. CONTRACTOR SHALL EXTEND FEEDER TO NEW ELEVATED REEFER OUTLET. NEW CONDUCTOR SHALL BE ROUTED IN RGS CONDUIT. SPLICES SHALL BE MADE WATER–TIGHT. SEE SHEET E501 FOR DETAILS.
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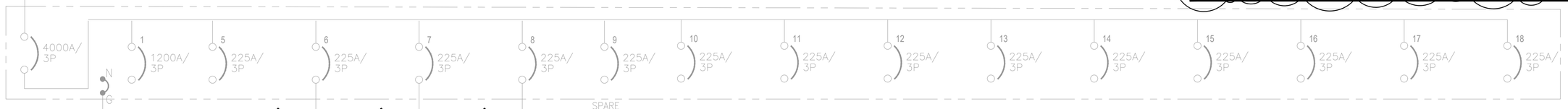
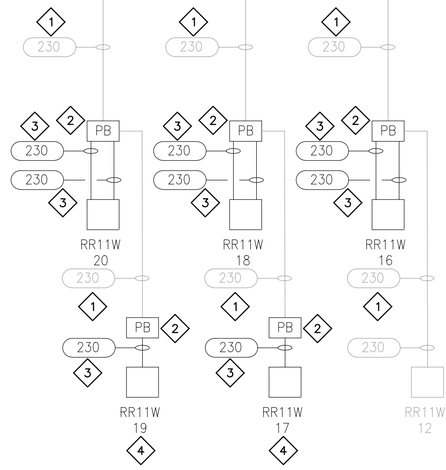
TO UTILITY TRANSFORMERS

4180N

MSB–16A (SECTION 1 & SECTION 2 PARTIAL)
480/277V, 3ø, 4W,
4,000A MCB, 65,000 AIC, NEMA 3R
LOCATION: PLATFORM 16, TOTAL CONNECTED LOAD = UNKNOWN





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ELEVATED REEFER PLUGS
PORT OF GULFPORT MISSISSIPPI
STATE PORT AUTHORITY
30TH AVENUE
GULFPORT, MS 39501

SCALE: NOT TO SCALE
PROJECT NO: 0297.22.002
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ELECTRICAL ONE-LINE DIAGRAM

E605

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SECTION 055000
METAL FABRICATIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Shop fabricated steel items.

1.02 RELATED REQUIREMENTS

A. Section 033000 - Cast-in-Place Concrete: Placement of metal fabrications in concrete.

1.03 REFERENCE STANDARDS

A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel 2019.

B. ASTM A283/A283M - Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates 2018.

C. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength 2021.

D. ASTM A501/A501M - Standard Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing 2021.

E. AWS D1.1/D1.1M - Structural Welding Code - Steel 2020, with Errata (2022).

F. SSPC-Paint 20 - Zinc-Rich Coating (Type I - Inorganic, and Type II - Organic) 2019.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include erection drawings, elevations, and details where applicable. Provide templates for anchors and bolts specified for installation under other Sections. Provide reaction loads for each hanger and bracket.

PART 2 PRODUCTS

2.01 MATERIALS - STEEL

A. Steel Sections: ASTM A36/A36M.

B. Steel Tubing: ASTM A501/A501M hot-formed structural tubing.

C. Plates: ASTM A283/A283M.

D. Bolts, Nuts, and Washers: Stainless Steel 316

E. Welding Materials: AWS D1.1/D1.1M; type required for materials being welded.

2.02 FABRICATION

A. Fit and shop assemble items in largest practical sections, for delivery to site.

B. Fabricate items with joints tightly fitted and secured.

C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.

D. Furnish components required for anchorage of fabrications. Fabricate anchors and related components of same material and finish as fabrication, except where specifically noted otherwise.

2.03 FINISHES - STEEL

A. Clean surfaces of rust, scale, grease, and foreign matter prior to finishing.

B. Steel should be blasted in accordance with Dry Abrasive Blast SSPC SP10 at minium.

C. Paint:
   1. Option 1: BLP
      a. One (1) Primer Coat: BLP Mobile MoPoxY ZRV Zinc Rich Epoxy @ 3.0 dft.
      b. One (1) Intermediate Coat: BLP Mobile Paints MoPoxY ST Epoxy Coating @ 6.0 dft.

c. One (1) Finish Coat: BLP Mobile Paints MOTHANE Polyurethane @ 2.0 dft. Color to be selected by owner.

2. Option 2: Sherwin Williams Paint System
   a. One (1) Primer Coat: SW Zinc Clad 4100 Organic Zinc-Rich Expoxy Primer @ 3.0 dft.
   b. One (1) Intermediate Coat: SW Recoatable Epoxy Primer @ 6.0 dft.
   c. One (1) Finish Coat: SW Acrolon 218 HS Acrylic Polyurethane @ 2.0 dft. Color to be selected by owner.

2.04 FABRICATION TOLERANCES

A. Squareness: 1/8 inch maximum difference in diagonal measurements.

B. Maximum Offset Between Faces: 1/16 inch.

C. Maximum Misalignment of Adjacent Members: 1/16 inch.

D. Maximum Bow: 1/8 inch in 48 inches.

E. Maximum Deviation From Plane: 1/16 inch in 48 inches.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that field conditions are acceptable and are ready to receive work.

3.02 PREPARATION

A. Supply setting templates to the appropriate entities for steel items required to be embedded in concrete.

3.03 INSTALLATION

A. Install items plumb and level, accurately fitted, free from distortion or defects.

B. Provide for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.

C. Obtain approval prior to site cutting or making adjustments not scheduled.

3.04 TOLERANCES

A. Maximum Variation From Plumb: 1/4 inch.

B. Maximum Offset From True Alignment: 1/4 inch.

C. Maximum Out-of-Position: 1/4 inch.

END OF SECTION