ADDENDUM NO. 3

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

Renovate Paint and Blast Booths and Install Solar Array
Ike Skelton Training Site
Jefferson City, Missouri
PROJECT NO.: T1921-01

Bid Opening Date: 1:30 PM, Thursday, June 25, 2020 (Not Changed)

Bidders are hereby informed that the construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

1. SECTION 26300 – PHOTOVOLTAIC COLLECTOR
   a. PART 2 – PRODUCTS – ADD additional manufacturer to subsection 2.1-A:

2. SECTION 133424 – PAINT BOOTHS
   a. PART 2 – PRODUCTS – ADD manufacturer to subsection 2.1 Manufacturers:
      E. Global Finishing Solutions

3. SECTION 083360 – COILING OVERHEAD DOORS
   a. PART 2 – PRODUCTS – ADD manufacturer to subsection 2.1 Manufacturers:
      C. Alpine Wind-Tite

4. SECTION 211313 – FIRE SUPPRESSION SYSTEM PERFORMANCE SPEC
   a. PART 1 – GENERAL, 1.02 – ADD painting mixing room to subsection B DESCRIPTION OF WORK.

5. SECTION 133426 - PAINT MIX ROOM
   a. PART 2 – PRODUCTS, 2.3 FABRICATED PAINT MIX ROOM, DELETE item “I” in its entirety.

6. SECTION 133426 - PAINT MIX ROOM
   a. PART 2 – PRODUCTS, 2.3 FABRICATED PAINT MIX ROOM, DELETE item “L” in its entirety.
A manometer shall be provided with the unit to monitor the filter resistance and thereby offer a visual indicator of the filter's life and efficiency.

7. SECTION 133424 - PAINT BOOTHs

   a. PART 2 – PRODUCTS, 2.3 FABRICATED STEEL PAINT BOOTH, DELETE item “R” in its entirety and ADD the following:

   R. Finish: Immediately after cleaning and pretreating, apply manufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat. Color White.

8. SECTION 133424 - PAINT BOOTHs

   a. PART 2 – PRODUCTS, 2.3 FABRICATED STEEL PAINT BOOTH, DELETE item “S” in its entirety and ADD the following:

   S. Provide and install hydraulic or pneumatic man lift (one on each side of booth), 3 axis travel, maximum lift height of 8’, control valves located on the front of basket, basket maximum capacity of 500 lbs, Basis of Design: Titan Lifts (TL-8), equivalent manufacturers: LPI Lift Systems, Accudraft. Contractor to provide a complete installation of hydraulic or pneumatic 3-axis man lift so it is fully functional with all necessary components and installation.

DRAWING CHANGES:

1. DRAWING E-103 – ELECTRICAL LIGHTING PLAN: Detail 3, EF-8 WIRING DIAGRAM

   a. DELETE Detail 3, EF-8 Wiring Diagram in its entirety. ADD switch to control EF-8; ADD the following keynote #16:

   16. PROVIDE SWITCH AT THIS LOCATION FOR EF-8 IN MIXING ROOM.

   *Reference SK-1 & SK-4 attached to this addendum*

2. DRAWING E-103 – ELECTRICAL LIGHTING PLAN

   a. ADD the following general note to the sheet:

   GENERAL NOTE: PANEL “EL” LOCATED IN ELECTRICAL ROOM 118 IS LOCATED IN CENTER CORE AREA OF FACILITY.

   *Reference SK-1 attached to this addendum*

3. DRAWING E-103 – ELECTRICAL LIGHTING PLAN, BASIS OF DESIGN – LIGHTING FIXTURE SCHEDULE

   a. DELETE the following light fixture types in their entirety:

   Fixture Types H and J: These fixtures are not used within the scope of this project.

   *Reference SK-1 attached to this addendum*
4. DRAWING E-103 – ELECTRICAL LIGHTING PLAN
   a. **ADD** “NL” and update symbol to reflect night light circuit for fixture type “B” over ADA stall in MEN 10 and WOMEN 11. Fixtures are to be circuited to existing night light circuit from panel “EL”.

   *Reference SK-2 attached to this addendum*

5. DRAWING E-103 – ELECTRICAL LIGHTING PLAN, BASIS OF DESIGN – LIGHTING FIXTURE SCHEDULE
   a. **DELETE** type “K” light fixture on lighting fixture schedule and **ADD** type “K” light fixture as Eaton WPSLED-30GL-UNV.

   *Reference SK-1 attached to this addendum*

6. DRAWING E-103 – ELECTRICAL LIGHTING PLAN
   a. **DELETE** night light fixture type “C” in weld shop and **ADD** night light fixture type “CE”.

   *Reference SK-2 attached to this addendum*

7. DRAWING E-103 – ELECTRICAL LIGHTING PLAN
   a. **ADD** (1) fire alarm horn/strobe notification appliance to Machine Shop 08 and (1) to Prep Bay Expansion 05A; **ADD** (1) fire alarm strobe notification appliance to Men 10 and (1) to Women 11; **ADD** the following keynote #17:

   **17. PROVIDE FIRE ALARM NOTIFICATION APPLIANCES AT THIS LOCATION. CONTRACTOR TO PROVIDE LAYOUT AND DESIGN FROM FIRE ALARM DESIGNER THAT IS NICETT III CERTIFIED. NOTIFICATION DEVICES ARE TO BE CIRCUITED TO EXISTING FIRE ALARM PANEL LOCATED OUTSIDE ELECTRICAL 118 IN THE CORRIDOR. PROVIDE PULL STATION WITH HORN/STROBE AT EACH NEW EXIT.**

   *Reference SK-1, SK-2 & SK-3 attached to this addendum*

8. DRAWING E-103 – ELECTRICAL LIGHTING PLAN
   a. **ADD** the following keynote #15:

   **15. ELECTRICAL CONTRACTOR TO RE-USE EXISTING CIRCUIT FROM PANEL “EL” MADE AVAILABLE FROM DEMO WORK.**

   *Reference SK-1 & SK-2 attached to this addendum*

9. DRAWING E-103 – ELECTRICAL LIGHTING PLAN
   a. **ADD** (2) Emergency wall mounted fixtures type E and existing keyed note #2 to the Exist. Wash Bay; **ADD** new keyed note #18:
18. PROVIDE EMERGENCY LIGHT FIXTURE TYPE "E" WITH "WPVS" OPTION FOR WATERPROOF PROTECTION OF FIXTURE.

*Reference SK-1 & SK-4 attached to this addendum*

10. DRAWING E-103 – ELECTRICAL LIGHTING PLAN, BASIS OF DESIGN – LIGHTING FIXTURE SCHEDULE

   a. ADD the following fixture types to the lighting fixture schedule:

      Type “X” fixture: Lithonia LHQM
      Type “L” fixture: Lithonia JEBL-12L-40K-80CRI-WH
      Type “CE” fixture: Eaton UHB-12-UNV-L850-CD-U-EL14W

      Note: Type “L” fixture is in the existing wash bay.

      *Reference SK-1 & SK-4 attached to this addendum*

11. DRAWING E-102 – ELECTRICAL POWER FLOOR PLAN

   a. ADD circuit location L3-37, 39, 41 for BAND SAW; ADD circuit location P3-105 for SMALL DRILL PRESS; ADD circuit location P3-119 for WASHER MACHINE; ADD circuit location P3-121, 123 for SMALL LATHE; ADD circuit location P3-115, 117 for LATHE; ADD circuit location P3-26, 28 for OUTSIDE WELD RECEPTACLE.

      *Reference SK-5 attached to this addendum*

12. DRAWING E-102 – ELECTRICAL POWER FLOOR PLAN

   a. ADD the following keynote #29 referencing the Paint Mix Room under detail 1/E102:

      29. PROVIDE CLASS 1 / DIVISION 2 RECEPTACLES WITH GRC CONDUIT AND SEAL-OFFS.

      *Reference SK-6 attached to this addendum*

13. DRAWING E-601 – ELECTRICAL SCHEDULES AND ONE-LINE DIAGRAM

   a. PANEL P5: DELETE circuits 26, 28, 30 BAND SAW/MACHINE SHOP 702 and ADD “SPARE” at circuits 26, 28, 30. New band saw is 460V/3PH; ADD band saw to circuit L3-37, 39, 41.

      Note: Circuit L3-37 PAINT DRYING LTS has been relocated to L3-36 to provide adequate space for new band saw on panel L3.

14. DRAWING E-601 – ELECTRICAL SCHEDULES AND ONE-LINE DIAGRAM

   a. PANEL L3: UNBOLDEN circuits 19, 21, 23 ELECTRIC UNIT HEATERS; UNBOLDEN circuits 25, 27, 29 PAINT BAY ELECTRIC UNIT HEATERS

      Note: Electric unit heaters are existing to remain.

15. DRAWING E-601 – ELECTRICAL SCHEDULES AND ONE-LINE DIAGRAM
a. PANEL P3: **DELETE** circuits 119, 121, 123 WASHER MACHINE SHOP and **ADD** WASHER MACHINE SHOP to circuit 119. Washer is 120V/1PH and **not** 208/3PH; **ADD SMALL LATHE** to circuits 121, 123.

16. **DRAWING E-601 – ELECTRICAL SCHEDULES AND ONE-LINE DIAGRAM**

a. PANEL L3: **UNBOLDEN** circuits 30, 32 WELD RECEPTACLES

   **Note:** Weld receptacles are existing to remain.

17. **DRAWING A-102 – FLOOR PLAN**

a. **ADD** the following general note #10:

   **10. PAINT AND BLAST BOOTHS SHALL NOT HAVE GREATER THAN 4” THICKNESS FOR PANELS. REFERENCE SPECIFICATIONS FOR OVERALL DIMENSIONAL REQUIREMENTS.**

18. **DRAWING P-404 – ENLARGED PLUMBING PLANS**

a. **DELETE** keyed note D in its entirety and **ADD** keyed note D as follows:

   **D. 2-1/2” GAS CONNECTION TO EXISTING 4” GAS PIPE. 2-1/2” CONNECTION TO MAU-4. MINIMUM OF 2 PSI GAS PRESSURE (IFGC 2015 402.4(4)). ROOF PENETRATION AS SHOWN. INSTALL GAS TRAIN COMPONENTS AS SHOWN ON DETAIL 1/P-601.**

19. **DRAWINGS P-404 – ENLARGED PLUMBING PLANS**

a. **ADD** the following general note to detail 1:

   **GENERAL NOTE: CONTRACTOR SHALL UTILIZE ADJACENT AVAILABLE BREATHABLE AIR LINES FOR EXTENSION TO THE PAINT BOOTH. MINIMUM OF 2 BREATHABLE AIR DROPS REQUIRED FOR PAINT BOOTH.**

20. **DRAWING A-401 – ENLARGED LOCKER ROOMS PLANS AND ELEVATIONS**

a. TOILET ACCESSORIES LEGEND: **DELETE** OS9 AIR SHOWER UNDER “OWNER SUPPLIED” ITEMS AND **ADD AIR SHOWER** AS ITEM “L” (GENERAL CONTRACTOR SUPPLIED). REFERENCE SPECIFICATIONS FOR AIR SHOWER REQUIREMENTS.

**ATTACHMENTS:**

1. SK-1, SK-2, SK-3, SK-4, SK-5, SK-6

June 18, 2020

**END ADDENDUM NO. 3**
**Basis of Design - Lighting Fixture Schedule**

<table>
<thead>
<tr>
<th>PLAN MARK</th>
<th>MANUFACTURER</th>
<th>CATALOG No</th>
<th>LAMP DATA</th>
<th>REMARKS AND MOUNTING HEIGHT TO BOTTOM OF LIGHT FIXTURE</th>
<th>TOTAL WATTS PER FIXTURE</th>
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<tbody>
<tr>
<td>A</td>
<td>EXISTING</td>
<td>N/A</td>
<td>N/A</td>
<td>STRIP LED FIXTURE RE-LOCATED</td>
<td>N/A</td>
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<tr>
<td>B</td>
<td>EATON</td>
<td>4NWLED-LD4-2SFL-U-UNV-L480-CD1-LU</td>
<td>LED FURNISHED WITH FIXTURE</td>
<td>617 X 24&quot; 230MM ROUND LENS, 2680 LUMENS, 4000K</td>
<td>20</td>
</tr>
<tr>
<td>C</td>
<td>EATON</td>
<td>LH4-12-L4-UNV-LED-CD1-L14W</td>
<td>LED FURNISHED WITH FIXTURE</td>
<td>24&quot; X 272X 4&quot; 4000K LINEAR HIGH BAY, 12000 LUMENS, 5000K</td>
<td>67</td>
</tr>
<tr>
<td>D</td>
<td>EATON</td>
<td>LH5-10-L4-UNV-LED-CD1-L14W</td>
<td>LED FURNISHED WITH FIXTURE</td>
<td>24&quot; X 272X 4&quot; 4000K LINEAR HIGH BAY, 12000 LUMENS, 5000K WITH 48V EMERGENCY BATTERY PACK</td>
<td>67</td>
</tr>
<tr>
<td>E</td>
<td>EATON</td>
<td>ELUMIL-UVOLT-LTP</td>
<td>LED FURNISHED WITH FIXTURE</td>
<td>LED EMERGENCY FIXTURE, DAMP LOCATION LISTED, 1100 LUMENS</td>
<td>11</td>
</tr>
<tr>
<td>F</td>
<td>EATON</td>
<td>VPF-6-LED-40K-MM</td>
<td>LED FURNISHED WITH FIXTURE</td>
<td>6&quot; ROUND LED WAFER, 1200 LUMENS, 4000K, WET LOCATION LISTED</td>
<td>13</td>
</tr>
<tr>
<td>G</td>
<td>LITHONIA</td>
<td>MS-400DLX-5BL-MVOLT-Q210-50K-50CR-VH</td>
<td>LED FURNISHED WITH FIXTURE</td>
<td>48&quot; X 1072X 4&quot; 4000K LINEAR LOW BAY, 4000 LUMENS, 5000K</td>
<td>13</td>
</tr>
<tr>
<td>H</td>
<td>EATON</td>
<td>WP8LED-30-3L-UNV</td>
<td>LED FURNISHED WITH FIXTURE</td>
<td>8.5W X 4/9X 6.5&quot; POST ENTRY WALL PACK, 230V LUMENS, 4000K, WET LOCATION LISTED</td>
<td>27</td>
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<tr>
<td>I</td>
<td>EATON</td>
<td>JESC-12L-40X 90R-MH</td>
<td>LED FURNISHED WITH FIXTURE</td>
<td>12&quot; D. D. HIGH BAY, 12000 LUMENS, 4000K, WET LOCATION LISTED</td>
<td>93</td>
</tr>
<tr>
<td>J</td>
<td>EATON</td>
<td>LHQM LED</td>
<td>LED FURNISHED WITH FIXTURE</td>
<td>12&quot; X 8&quot; X 2&quot; H EXIT SIGN, DAMP LOCATION LISTED, WALL MOUNTED WITH BACK PLATE MOUNTING, REFER TO SHEET ET FOR HARMAN AND DIRECTION OF ARROWS</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Notes:**

1. LIGHT FIXTURE SHALL BE INSTALLED IN SAME LOCATION AS EXISTING FIXTURE AND CONNECTED TO EXISTING LIGHTING CIRCUIT.
2. EMERGENCY LIGHTING FIXTURE SHALL BE CIRCULATED TO LOCAL EXISTING CIRCUIT FROM PANEL "EL".
3. EXISTING FIXTURE TO REMAIN.
4. CLASS II DIV 2 LIGHT FIXTURES SHALL BE SUPPLIED BY PAINT MIXING ROOM SUPPLIER.
5. INSTALL NEW LIGHT SWITCH IN LOCATION INDICATED.
6. INSTALL NEW HAZARDOUS LOCATION LISTED LIGHT SWITCH.
7. INSTALL WIRE FROM OLD MACHINE SHOP TO NEW MACHINE SHOP - 08.
8. INSTALL WIRE FROM OLD MACHINE SHOP TO NEW MACHINE SHOP - 08.
9. INSTALL NEW LIGHT SWITCH IN LOCATION INDICATED.
10. INSTALL NEW WIRE FROM OLD MACHINE SHOP TO NEW MACHINE SHOP - 08.
11. INSTALL NEW WIRE FROM OLD MACHINE SHOP TO NEW MACHINE SHOP - 08.
12. INSTALL NEW WIRE FROM OLD MACHINE SHOP TO NEW MACHINE SHOP - 08.
13. INSTALL NEW WIRE FROM OLD MACHINE SHOP TO NEW MACHINE SHOP - 08.
14. INSTALL NEW WIRE FROM OLD MACHINE SHOP TO NEW MACHINE SHOP - 08.
15. INSTALL NEW WIRE FROM OLD MACHINE SHOP TO NEW MACHINE SHOP - 08.
16. PROVIDE SWITCH AT THIS LOCATION FOR EF-8 IN MIXING ROOM.
17. PROVIDE FIRE ALARM NOTIFICATION APPLIANCES AT THIS LOCATION. CONTRACTOR TO PROVIDE HORN/STROBE AT EACH NEW EXIT.
18. PROVIDE EMERGENCY LIGHT FIXTURE TYPE "E" WITH "WPVS" OPTION FOR WATERPROOF PROTECTION OF FIXTURE.
EXIST. PAINT

EXIST.

WASH BAY

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ELECTRICAL LIGHTING PLAN

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

E103

ELECTRICAL LIGHTING PLAN

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

1

E103

AINT MIX

ROOM

06

ELEc LIGHTING PLAN

SUPPLEMENTAL

SKETCH

1

E103

STATE OF MISSOURI

MICHAEL L. PARSON,

GOVERNOR

OFFICE OF

ADMINISTRATION

DIVISION OF FACILITIES

MANAGEMENT,

DESIGN AND

CONSTRUCTION

MISSOURI NATIONAL

GUARD

RENOVATE PAINT AND

BLAST BOOTHS AND

INSTALL SOLAR ARRAY

COMBINED SUPPORT

MAINTENANCE SHOP (CSMS)

2302 MILITIA DRIVE

JEFFERSON CITY, MISSOURI

65101

PROJECT # T1921-01

SITE # 6300

ASSET# 8136300017

ISSUE DATE: 04/22/2020

REVISION: 1

DATE: 04/22/2020

REVISION: 1

DATE: 04/22/2020

REVISION: 1

DATE: 04/22/2020

CAD DWG FILE:

DRAWN BY:

CHECKED BY:

DESIGNED BY:

MISS

MISS

MISS

SHEET TITLE:

ELEC LIGHTING PLAN

SUPPLEMENTAL

SKETCH

SHEET NUMBER:

SK-4

04/22/2020
SHEET E101 FROM DEMO.

26. ALTERNATE #2: RE-ROUTE CONDUIT ATTACHED TO WALL TO UTILIZE CEILING STRUCTURE FOR SUPPORT. WALL TO BE REMOVED UNDER THIS ALTERNATE.

27. GENERAL ROUTE OF FEEDER FOR NEW PANEL "LA". EXACT ROUTE TO BE DETERMINED IN FIELD. KEEP CONDUIT TIGHT TO STRUCTURE AND PROPERLY SEAL ALL PENETRATIONS. SEE DETAIL 1/E601 FOR CONDUIT AND CABLE SIZE.

28. PRIMARY AND SECONDARY FEEDERS FOR NEW TRANSFORMER "TA". SEE DETAIL 1/E601 FOR CONDUIT AND CABLE SIZE.

29. PROVIDE CLASS 1/DIVISION 2 RECEPTACLES WITH GRC CONDUIT AND SEAL OFFS.