



Procurement Department Bid Office
Customer Center 1st Floor, Room 002
21 W. Church Street
Jacksonville, Florida 32202

January 14, 2021

ADDENDUM NUMBER: One (1)

TITLE: Twin Creeks Reclaimed Water Re-Pump Station Improvements – Phase II

JEA IFB NUMBER: 016-21

BID DUE DATE: January 20, 2021

TIME OF RECEIPT: 12:00 PM

TIME OF OPENING: 2:00 PM

THIS ADDENDUM IS FOR THE PURPOSE OF MAKING THE FOLLOWING CHANGES OR CLARIFICATIONS:

JEA is providing the following files:

Attachments - 016-21 Addendum 1 Appendix A – Additional Drawings

Sheet 40 – S-7 Roof Framing Plan has been included to show revised table and diagram.

Sheet 45 – S-12 Sodium Hypochlorite Storage and Feed System Plan & Details has been included to show revised table and diagram.

Changes to the Specifications

Section 07552 – SBS Modified Bituminous Membrane Roofing

1. Paragraph 1.06: add the following to the end of subparagraph D.3.a.

“1) Field-of-Roof Uplift Pressure: 120 PSF

2) Perimeter Uplift Pressure: 165 PSF

3) Corner Uplift Pressure: 240 PSF

4) Minimum roof assembly requirements: Roof assembly shall meet the FM 1-150 roof assembly rating requirements as long as the FM 1-150 rating requirements exceeds the field, perimeter and corner wind pressure requirements as per FM data sheet 1-28 and 1-29.”

Section 10200 – Louvers and Vents

1. Paragraph 1.03 C: replace “2017” with “2020”.

Section 15060 Hangers and Supports – HVAC and Plumbing

1. Paragraph 1.03 J: replace “IBC - International Building Code, Latest Edition. Section 1621.” with “FBC-M - 2020 Florida Building Code, Mechanical, 7th Edition.”

2. Paragraph 1.03: add the following after subparagraph M.

“N. FBC-P - Florida Building Code, Plumbing (2020 Edition).”

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3. Paragraph 3.02 A.1: delete in its entirety and replace with “Supports and hangers for all piping shall be in accordance with 2020 Florida Building Code, Mechanical, 7th Edition; Section 305, Table 305.4, or in accordance with ANSI/MSS SP-58.”
4. Paragraph 3.02 A.1: for nominal tubing sizes 2½-inches through 8-inches, replace the table values for the Maximum Span * (Feet) with “8”. See below for revised table.

Recommended Hanger Spacing and Rod Size for Copper Tubing		
Nominal Tubing Size (inches)	Maximum Span* (Feet)	Recommended Hanger Rod Sizes (inches)
1/2"	5	3/8"
3/4"	5	3/8"
1"	6	3/8"
1 1/4"	7	3/8"
1 1/2"	8	3/8"
2"	8	3/8"
2 1/2"	8	1/2"
3"	8	1/2"
3 1/2"	8	1/2"
4"	8	1/2"
5"	8	1/2"
6"	8	5/8"
8"	8	3/4"

5. Paragraph 3.02 A.1: delete “*For hanger spacing greater than 10’-0-inch, many codes require pipe hangers to be spaced a maximum of every 10’ (3.048 meters) regardless of size. CONTRACTOR shall check with local codes and comply as applicable.”.
6. Paragraph 3.02 B.3: replace “25 feet” with “10 feet”.

Section 15081 – Piping Insulation

1. Paragraph 1.03 K: replace “International Building Code” with “2020 Florida Building Code, Mechanical, 7th Edition”.
2. Paragraph 1.03 L: replace “International Energy Conservation Code” with “2020 Florida Building Code, Energy Conservation, 7th Edition”.
3. Paragraph 1.03: add the following after subparagraph M.
“N. FBC-P Florida Building Code, Plumbing (2020 Edition)”
4. Paragraph 2.03 A: replace “latest editions of the International Building Code and the International Energy Conservation Code.” with “2020 Florida Building Code, Mechanical, 7th Edition and the 2020 Florida Building Code, Energy Conservation, 7th Edition.”

Section 15140 – Domestic Water Piping

1. Paragraph 1.02 F: replace “(latest edition)” with “(2020 Edition)”.

Section 15141 – Disinfection

1. Paragraph 1.02 C: replace “Florida Building Code, Plumbing (Latest Edition)” with “FBC-P Florida Building Code, Plumbing (2020 Edition)”.

Section 15410 – Plumbing Fixtures

1. Paragraph 1.03 G: replace “Florida Building Code, Plumbing (Latest Edition)” with “FBC-P Florida Building Code, Plumbing (2020 Edition)”.

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Section 15506 – Refrigerant Piping Systems

1. Paragraph 1.03 A: add the following after subparagraph 6.

“7. 2020 Florida Building Code, Mechanical, 7th Edition”.

Section 15810 – Ductwork and Duct Accessories

1. Paragraph 1.05 C.4.a: replace “International Fire Prevention and Building Code” with “Florida Fire Prevention Code, Latest Edition and 2020 Florida Building Code, Building, 7th Edition.”
2. Paragraph 1.05 C.4.b: replace “International Building Code (IBC) Latest Edition, Section 1621” with “2020 Florida Building Code, Mechanical, 7th Edition.”
3. Paragraph 1.05 C.4: add the following after subparagraph c.
“d. 2020 Florida Building Code, Energy Conservation, 7th Edition.”

Section 15815 – Duct Insulation

1. Paragraph 1.03 A: add the following after subparagraph 15.
“16. 2020 Florida Building Code, Energy Conservation, 7th Edition”.
2. Paragraph 1.05 C.3.a: replace “International Building Code” with “2020 Florida Building Code, Mechanical, 7th Edition.”
3. Paragraph 1.05 C.3.b: replace “International Fire Code” with “Florida Fire Prevention Code, Latest Edition.”
4. Paragraph 1.05 C.3.c: replace “International Energy Conservation Code” with “2020 Florida Building Code, Energy Conservation, 7th Edition.”

Section 16010 – Basic Electrical Requirements

1. Paragraph 1.02 A.1: replace “2019” with “2020”.
2. Paragraph 1.02 A.2: replace “2017” with “2020”.

Section 16415 – Transfer Switches

1. Paragraph 3.01: add the following after subparagraph C.
“D. Where transfer switches are supplied with typical short circuit current ratings, the installer shall field mark the applicable rating on the exterior of the transfer equipment.”

Changes to the Drawings

Sheet 24 – A-1 Code Summary and Life Safety Plan

1. Within Building Code Summary, under Codes Reviewed, delete the following:
“2017 FLORIDA BUILDING CODE, 6TH EDITION. BUILDING (FBC-B)
2017 FLORIDA BUILDING CODE, 6TH EDITION. MECHANICAL (FBC-M)
2017 FLORIDA BUILDING CODE, 6TH EDITION. PLUMBING (FBC-P)
2017 FLORIDA FIRE PREVENTION CODE, 6TH EDITION. (FFPC)
2014 NATIONAL ELECTRICAL CODE”
and replace with
“2020 FLORIDA BUILDING CODE, 7TH EDITION. BUILDING (FBC-B)
2020 FLORIDA BUILDING CODE, 7TH EDITION. MECHANICAL (FBC-M)
2020 FLORIDA BUILDING CODE, 7TH EDITION. PLUMBING (FBC-P)
2020 FLORIDA FIRE PREVENTION CODE, 7TH EDITION. (FFPC)
NFPA 70 -2017 NATIONAL ELECTRICAL CODE”

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Sheet 29 – A-6 Roof Plan

Detail A – FMG Wind Uplift Diagram

1. Add the following to the end of the note after "...ENTIRE ROOF FOOTPRINT."
"MINIMUM ROOF ASSEMBLY REQUIREMENTS: ROOF ASSEMBLY SHALL MEET THE FM 1-150 ROOF ASSEMBLY RATING REQUIREMENTS AS LONG AS THE FM 1-150 RATING REQUIREMENTS EXCEEDS THE FIELD, PERIMETER AND CORNER WIND PRESSURE REQUIREMENTS AS PER FM DATA SHEET 1-28 AND 1-29."

Sheet 34 – S-1 Structural Notes

1. Within General note 1: replace "6TH EDITION FLORIDA BUILDING CODE (2017)" with "7TH EDITION FLORIDA BUILDING CODE (2020)".
2. Within General note 12.E: Spectral Response Accelerations (SS, S1) values shall be revised to "0.096, 0.050".
3. Within General note 12.E: Spectral Response Coefficients (SDS, SD1) values shall be revised to "0.102, 0.080".
4. Within General note 12.E: Seismic Response Coefficient for the BPS & GST & Fuel Tank value shall be revised to "0.064".
5. Within General note 12.E: Seismic Response Coefficient for the Generator value shall be revised to "0.051".
6. Within General note 12.E: Seismic Response Coefficient for the PEMB value shall be revised to "0.064".

Sheet 40 – S-7 Roof Framing Plan

1. See attached drawing for changes to Roof Pressures table.
2. See attached drawing for changes to Wind Uplift Diagram.

Sheet 45 – S-12 Sodium Hypochlorite Storage and Feed System Plan & Details

1. See attached drawing for changes to Roof Uplift Plan.
2. See attached drawing for changes to Roof and Wall Pressures table.

Sheet 58 – SD-9 Guardrail Details

1. Within Guardrail Notes note 13: replace "6TH EDITION FLORIDA BUILDING CODE (2017)" with "7TH EDITION FLORIDA BUILDING CODE (2020)".

Sheet 79 – P-3 Plumbing Details

Detail A – Emergency Eyewash Shower Detail

1. Add the following note.
"3. WHERE HOT AND COLD WATER IS SUPPLIED TO AN EMERGENCY SHOWER OR EYEWASH STATION, THE TEMPERATURE OF THE WATER SUPPLY SHALL ONLY BE CONTROLLED BY A TEMPERATURE ACTUATED MIXING VALVE COMPLYING WITH ASSE 1071."

Sheet 82 – E-3 Proposed One-Line Diagram

1. Within note 1 on the table: replace "NFPA 70-2014" with "NFPA 70-2017".
2. Within note 2 on the table: replace "NFPA 70-2014" with "NFPA 70-2017".

JEA is responding to the following questions as shown below:

1. Question:

Is complete submergence of the pump with intrinsically safe barriers in the control panel an acceptable alternative to the use of explosion-proof pumps? If not, is a standard centrifugal grinder that is explosion-proof an acceptable alternative to the progressive cavity pump specified?

Answer:

No. Supplier shall furnish equipment in accordance with the bid documents.

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