ADDENDUM 2

1. Structural framing assemblies for exterior viewing windows to CHANGE from stainless steel to hot dipped galvanized steel.

specifications

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<td>00 01 10</td>
<td>PROJECT MANUAL INDEX</td>
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<td>OMIT this section as originally issued &amp; revised in Addendum 1 and REPLACE with Section 00 01 10 – Project Manual Index – Revised, as included with this addendum.</td>
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drawings

Following is a summary of the changes to drawing sheets that are being reissued with this addendum.

E0.1 COVER SHEET – ELECTRICAL
1. Circuiting revised in panel schedules due to plumbing equipment revisions.

E2.1 FIRST FLOOR PLAN – POWER
1. Removed connections to heat trace.
2. Removed connection to recirculating pump.
3. Relocated connection to gas water heater.

Po.1 COVER SHEET AND SPECIFICATION - PLUMBING

P1.1 FLOOR PLANS – PLUMBING
1. Revised keynotes 2, 3, 4, 5 & 8.
2. Rerouted CW main to underground entry to semi-heated space.
3. Relocated water heater and expansion tank.
4. Eliminated circulating pump and HW recirculation piping.
5. Rerouted CW and HW piping.
7. Added note for waterfall supply piping.

**P5.1 PLUMBING SCHEDULES**
1. Eliminated circulating pump schedule.
2. Revised Gas-Fired Water Heater Schedule.

*Enclosures*
- Spec. Section 00 01 10 – Project Manual Index - Revised (2 pages)
- Windsor MEP Drawings E0.1, E2.1, P0.1, P1.1 & P5.1 (24x36)(5 pages)

This addendum shall become part of this bid. The bidder shall insert the addendum number in the space where indicated on the proposal form. Failure to comply may result in the bid being rejected.

END OF ADDENDUM TWO (2)
SECTION 00 01 10
PROJECT MANUAL INDEX

LAKE SUPERIOR ZOO – BLACK BEAR EXHIBIT RENOVATION
DULUTH, MINNESOTA

DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS
00 01 01 PROJECT MANUAL TITLE AND REGISTRATION SHEET
00 01 10 PROJECT MANUAL INDEX
00 01 15 SCHEDULE OF DRAWINGS
00 11 10 ADVERTISEMENT FOR BIDS (CITY OF DULUTH)
00 21 00 INSTRUCTIONS TO BIDDERS
00 41 10 BID FORM ONLINE (CITY OF DULUTH – BID EXPRESS)
00 51 10 LIST OF CONTRACT FORMS (BID EXPRESS)
00 72 00 GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION
(AIA A232/CMa - 2009 – as modified for this project)
00 72 10 SUPPLEMENTAL GENERAL CONDITIONS

DIVISION 01 GENERAL REQUIREMENTS
01 10 00 SUMMARY OF WORK
01 12 00 LIST OF WORK SCOPE CATEGORIES & WORK SCOPE INDEX
01 12 10 WORK SCOPE - GENERAL REQUIREMENTS FOR ALL CONTRACTS
01 12 20 2-A WORK SCOPE FOR 2-A - DEMOLITION PACKAGE
01 12 20 3-A WORK SCOPE FOR 3-A - CONCRETE PACKAGE
01 12 20 3-B WORK SCOPE FOR 3 B - CONCRETE RESTORATION
01 12 20 4-A WORK SCOPE FOR 4-A - MASONRY PACKAGE
01 12 20 5-A WORK SCOPE FOR 5-A - STRUCTURAL STEEL & MISC. METALS – COMBINED MATERIAL & ERECTION
01 12 20 6-A WORK SCOPE FOR 6-A - CARPENTRY PACKAGE
01 12 20 7-K WORK SCOPE FOR 7-K – JOINT SEALER PACKAGE
01 12 20 8-A WORK SCOPE FOR 8-A - DOORS, FRAMES AND HARDWARE - MATERIAL ONLY
01 12 20 9-K WORK SCOPE FOR 9-K – PAINTING AND COATINGS
01 12 20 13-A WORK SCOPE FOR 13-A – ARTIFICIAL ROCKWORK
01 12 20 23-B WORK SCOPE FOR 23-B – COMBINED MECHANICAL
01 12 20 26-A WORK SCOPE FOR 26-A – COMBINED ELECTRICAL PACKAGE
01 12 20 31-A WORK SCOPE FOR 31-A – EARTHWORK, EXTERIOR IMPROVEMENTS, & UTILITIES
01 29 00 PAYMENT PROCEDURES
01 31 00 PROJECT MANAGEMENT AND COORDINATION
01 32 10 PROJECT SCHEDULE REQUIREMENTS
01 32 20 EXISTING PROJECT INFORMATION
01 32 53 PROJECT SAFETY REQUIREMENTS
01 33 00 SUBMITTAL PROCEDURES
01 44 00 QUALITY ASSURANCE PROCEDURES
01 50 10 TEMPORARY FACILITIES AND CONTROLS
01 60 00 PRODUCT REQUIREMENTS
01 77 10 CLOSE-OUT PROCEDURES
01 78 00 CLOSE-OUT SUBMITTALS

DIVISION 02 EXISTING CONDITIONS
02 41 00 DEMOLITION

DIVISION 03 CONCRETE
03 10 00 CONCRETE FORMING AND ACCESSORIES
03 20 00 CONCRETE REINFORCEMENT
03 30 00 CAST–IN–PLACE CONCRETE
DIVISION 04 MASONRY
  04 20 00 UNIT MASONRY

DIVISION 05 METALS
  05 12 00 STRUCTURAL STEEL FRAMING
  05 50 00 METAL FABRICATIONS

DIVISION 07 THERMAL AND MOISTURE PROTECTION
  07 21 00 THERMAL INSULATION
  07 21 19 FOAMED IN PLACE INSULATION – POLYICYCYNENE
  07 42 13 METAL WALL PANELS
  07 62 00 SHEET METAL FLASHING AND TRIM
  07 90 05 JOINT SEALERS

DIVISION 08 OPENINGS
  08 11 13 HOLLOW METAL DOORS AND FRAMES
  08 71 00 DOOR HARDWARE
  08 80 00 GLAZING

--------- BLACK BEAR EXHIBIT GLAZING GLASS ENGINEERING ANALYSIS

DIVISION 09 FINISHES
  09 22 16 NON-STRUCTURAL METAL FRAMING
  09 90 00 PAINTING AND COATINGS

DIVISION 13 SPECIAL CONSTRUCTION
  13 15 00 WATER FEATURE

DIVISION 31 EARTHWORK
  31 22 00 GRADING
  31 23 16 EXCAVATION
  31 23 23 FILL

DIVISION 32 EXTERIOR IMPROVEMENTS
  32 11 23 AGGREGATE BASE COURSES
  32 12 16 ASPHALT PAVING
  32 16 00 CONCRETE CURBS AND WALKS
  32 31 13 CHAIN LINK FENCES AND GATES
  32 92 19 SEEDING
  32 92 23 SODDING

DIVISION 33 UTILITIES
  33 41 11 SITE STORM UTILITY DRAINAGE PIPING
  33 46 00 SUBDRAINAGE

END OF SECTION
1. PLUMBING GENERAL NOTES

- IDENTIFICATION: The plumbing system includes fixtures, piping, and related materials. Each fixture and fitting is identified with specific tags and symbols.
- PVC pipe shall be used throughout the plumbing system.
- All plumbing systems shall be designed and constructed in accordance with the applicable codes and standards.

2. PLUMBING SPECIFICATIONS

- All fixtures and fittings shall comply with the latest edition of the Uniform Plumbing Code.
- The plumbing system shall be designed to meet the requirements of the local building code.
- All plumbing materials shall be corrosion-resistant and durable.

3. PLUMBING ACCESSORIES

- Accessory tags shall be used throughout the plumbing system.
- The plumbing system shall include all necessary accessories such as valves, traps, and connectors.

4. PLUMBING FIXTURE SCHEDULE

- Refer to plumbing fixtures schedule.
- Fixture units shall be listed by type and size.

5. PLUMBING SHEET INDEX

- All plumbing sheets are listed in the index.
- Plumbing sheet index includes all necessary information about the plumbing system.

6. PLUMBING GENERAL NOTES

- Fire Protection System:
  - Fire protection systems shall be designed and installed in accordance with the latest edition of the NFPA 25 standard.
  - All fire protection systems shall be commissioned after installation.

- Water Supply System:
  - Water supply systems shall be designed and installed in accordance with the latest edition of the ASHRAE 15 standard.
  - Water supply systems shall be commissioned after installation.

- Sewage System:
  - Sewage systems shall be designed and installed in accordance with the latest edition of the AWWA C150 standard.
  - Sewage systems shall be commissioned after installation.

7. PLUMBING GENERAL NOTES

- All plumbing systems shall be designed and installed in accordance with the latest edition of the NFPA 90A standard.
- Plumbing systems shall be commissioned after installation.

8. PLUMBING GENERAL NOTES

- All plumbing systems shall be designed and installed in accordance with the latest edition of the ASHRAE 135 standard.
- Plumbing systems shall be commissioned after installation.

9. PLUMBING GENERAL NOTES

- All plumbing systems shall be designed and installed in accordance with the latest edition of the AWWA C150 standard.
- Plumbing systems shall be commissioned after installation.

10. PLUMBING GENERAL NOTES

- All plumbing systems shall be designed and installed in accordance with the latest edition of the NFPA 25 standard.
- Plumbing systems shall be commissioned after installation.

11. PLUMBING GENERAL NOTES

- All plumbing systems shall be designed and installed in accordance with the latest edition of the NFPA 90A standard.
- Plumbing systems shall be commissioned after installation.

12. PLUMBING GENERAL NOTES

- All plumbing systems shall be designed and installed in accordance with the latest edition of the ASHRAE 135 standard.
- Plumbing systems shall be commissioned after installation.

13. PLUMBING GENERAL NOTES

- All plumbing systems shall be designed and installed in accordance with the latest edition of the AWWA C150 standard.
- Plumbing systems shall be commissioned after installation.

14. PLUMBING GENERAL NOTES

- All plumbing systems shall be designed and installed in accordance with the latest edition of the NFPA 25 standard.
- Plumbing systems shall be commissioned after installation.

15. PLUMBING GENERAL NOTES

- All plumbing systems shall be designed and installed in accordance with the latest edition of the NFPA 90A standard.
- Plumbing systems shall be commissioned after installation.

16. PLUMBING GENERAL NOTES

- All plumbing systems shall be designed and installed in accordance with the latest edition of the ASHRAE 135 standard.
- Plumbing systems shall be commissioned after installation.

17. PLUMBING GENERAL NOTES

- All plumbing systems shall be designed and installed in accordance with the latest edition of the AWWA C150 standard.
- Plumbing systems shall be commissioned after installation.
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