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Bid Bulletin #02

PROJECT: Seward Memorial Library
Lower Level Renovation
Seward, NE

DATE: February 1, 2013

This Bid Bulletin includes items 1-1 through 1-1. Each item shall be fully incorporated into the Bidding/Contract Documents and have the same force and effect as though originally included. Bidders shall acknowledge receipt of this Bid Bulletin on the bid form.

Item 1-1 Attached is Addendum #2 dated 1/31/13 from The Clark Enersen Partners.

END OF BID BULLETIN #02

578-004-11

ADDENDUM NO. 2

The Architect/ Engineer issues this addendum, applicable to the above named project, to all known Contractors before receipt of proposal.

This addendum includes Item Number 2-1 thru 2-7. This addendum item shall be fully incorporated into the Bidding/Contract Documents and have the same force and effect as though originally included.

The Bidder shall acknowledge receipt of this Addendum No. 2 on the Bid Proposal Form in the place provided.

ARCHITECTURAL

Specifications

Item 2-1: Section 057300 – Decorative Metal Railings

This section has been revised and reissued as part of this Addendum.

Drawings

Item 2-2: A1.02 – First Floor Plan

Refer to the north wall of Public Lobby 101. As part of this Contract, provide a wall mounted monitor centered on the north wall between the restroom alcove and the lower level entrance. Monitor to be a 42" LCD display with accessible SD and USB inputs similar to Panasonic TH-42LRU50. The monitor must be less than 5" in depth. Provide with the monitor a compatible recessed mounting bracket. Install bracket and monitor so it is centered in the space at 60" AFF to the center. Provide all necessary cutting and patching and support for installation of the monitor at location indicated.

Item 2-3: A5.01 – Enlarged Stair Section & Floor Plan

- Detail 3: Add the following general note:

GENERAL NOTES:

- ALL HANDRAILS TO BE 1½" DIA. SOLID CHERRY HARDWOOD W/ CONCEALED CONTINUOUS INTEGRAL STEEL REINFORCING BAR. FIELD APPLIED STAIN, ST-1
- ALL HANDRAIL BRACKETS TO BE BRONZE: STANDARD US-10/612-639 FINISH "SATIN BRONZE"

Item 2-4: A6.02 – Enlarged Floor Plan & Interior Elevations

- Detail 5: Change Finish Ceiling Elevation from 96'-0" to 95'-4"
- Detail 6: Change Finish Ceiling Elevation from 96'-0" to 95'-4"
- Detail 8: Change Finish Ceiling Elevation from 96'-0" to 95'-4"
- Detail 9: Change Finish Ceiling Elevation from 96'-0" to 95'-0"
- Detail 9: Dimension from the North wall to the North edge of the marker board should read 3'-8".

578-004-11

Item 2-5: F1.01 – Lower Level Finish Floor Plan

- Room Finish Schedule: ROOM NO. 019 - ALCOVE: Change Height of Room from 10'-0" to 9'-4"
- Room Finish Schedule: ROOM NO. 034 – WARMING KITCHEN: Change Base from WB-1 to RB-1, eliminate stain ST-1.

Item 2-6: F1.02 – First Floor Finish Plan

- Addendum 1 item 1-14 includes new chase wall within Women 103 to accommodate new refrigerant and power lines for Dehumidification. Relocate existing Sanitary Napkin dispenser in new location as indicated, patching existing chase wall location. IN ADDITION, check attic stock ceramic tile and base to re-finish the wall to match existing tile. If attic stock is too small, order samples to ensure finish match to existing tile.

ELECTRICAL

Drawings

Item 2-7: E3.01 – Electrical One Line Diagram, Lighting Fixture, Schedule & Details

Refer to the Lighting Fixture Schedule. Add a note to the Type EM fixture to read as follows: "MOUNT FIXTURE AT 7'-6" AFF UNLESS NOTED OTHERWISE ON THE DRAWINGS."

Refer to the Light Fixture Schedule. Refer to fixture types 'F', 'LL' and 'TT'. Fixtures are to be provided with a white flange and clear reflector.

Refer to the Light Fixture Schedule. The following lighting fixtures have been reviewed in accordance with Project Specification, and are included in the Contract Documents for bidding purposes. All fixtures, lamps, and ballasts are required to meet the specification requirements regardless of prior approval. Prior approval does not waive any requirements indicated on the drawings or the specifications. Some fluorescent fixtures require dimming or multiple levels of switching. The required number and types of ballasts shall be provided to meet the switching requirements shown on the drawings.

<u>Type</u>	<u>Manufacturer and Catalog Number</u>
C	Cooper 2EP3GX-332S36I-UNV-ER81-U
D	Cooper 2GC8-232A12125-UNV-ER81-U
Exit	Cooper CX71SD
EM	Lithonia ELM2 SD Cooper CC3WHSD
F	C8142E/8350WF/HB26
U	NuLite 212-232T8-UNV-PSN
W	SPI EIV9901-2F54-277VV-FT-ADJ
HH	NeoRay 79PF-1T5HO-5FT-UNV-EB(PROG)-SI
KK	NeoRay 79PF-1T5HO(PER 4')-8FT-UNV-EB(PROG)-SI
LL	Cooper C81421D32MARKVII/8350WF/HB26
MM	Cooper WN-232A-UNV-ER81-U
TT	Cooper C9242E/9250WF/HB26

END OF ADDENDUM NO. 2

578-004-11

SECTION 057300 – DECORATIVE METAL RAILINGS

1. GENERAL

1.1 SUMMARY

A. Section Includes:

1. Tempered glass railing assemblies.
2. Stair railings and guardrails.

B. Related Sections:

1. Section 055000 – Metal Fabrications – Supports.
2. Section 092900 – Gypsum Board: Placement of backing plates in stud wall construction.

1.2 REFERENCES

- A. 16 CRF 1201 – Safety Standard for Architectural Glazing Materials, current edition.
- B. ANSI Z97.1 – American National Standard for Safety Glazing Materials Used in Buildings, Safety Performance Specifications and Methods of Test; 2004.
- C. ASTM A 666 – Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2003.
- D. ASTM B 248 – Standard Specification for General Requirements for Wrought Copper and Copper-Alloy Plate, Sheet, Strip, and Rolled Bar; 2007.
- E. ASTM B 248M – Standard Specification for General Requirements for Wrought Copper and Copper-Alloy Plate, Sheet, Strip, and Rolled Bar (Metric); 2007.
- F. ASTM C 920 – Standard Specification for Elastomeric Joint Sealants, 2005.
- G. ASTM C 1036 – Standard Specification for Flat Glass; 2006.
- H. ASTM C 1048 - Standard Specification for Heat-Treated Flat Glass--Kind HS, Kind FT Coated and Uncoated Glass; 2004.
- I. ASTM C 1172 - Standard Specification for Laminated Architectural Flat Glass; 2003.
- J. ASTM C 1193 - Standard Guide for Use of Joint Sealants; 2005a.

578-004-11

- K. ASTM E 935 - Standard Test Methods for Performance of Permanent Metal Railing Systems and Rails for Buildings; 2000 (Reapproved 2006).
- L. ASTM E 985 - Standard Specification for Permanent Metal Railing Systems and Rails for Buildings; 2000 (Reapproved 2006).
- M. AWS D 1.1/D 1.1M – Structural Welding Code - Steel; 2008.
- N. AWS D 1.6 – Structural Welding Code – Stainless Steel; 2007.
- O. AWS C 3.4/3.4M – Specification for Torch Brazing; 2007.
- P. AWS C 3.5/3.5M – Specification for Induction Brazing; 2007.
- Q. AWS C 3.9/C 3.9M – Specification for Resistance Brazing; 2007.

1.3 SYSTEM DESCRIPTION

- A. Design Requirements: Design, fabricate, and test railing assemblies in accordance with ASTM E 985 and requirements of governing authorities.
 - 1. Movement: Accommodate movement between railing system components and between railing system components and other work, without damage to components and connections.
- B. Performance Requirements: Railings shall meet the following loading requirements:
 - 1. Lateral Force: 75 lb (333 N) at any point without damage or permanent set; tested in accordance with ASTM E 935.
 - 2. Distributed Load: 50 lb per lineal foot (0.73 kN per m), applied in any direction at the top of the handrail; tested in accordance with ASTM E 935.
 - 3. Concentrated Loads on Intermediate Rails: 50 lb per square foot (0.22 kN per 0.093 square m).
 - 4. Concentrated Load: 200 lb (888 N), applied in any direction at any point along the handrail system; tested in accordance with ASTM E 935.
 - 5. Loads do not need to be applied simultaneously.

1.4 SUBMITTALS

- A. See Section 013300 – Submittal Procedures.
- B. Product Data: Submit J.M. Gruca, Inc.'s product data for railing system and accessories including description of materials, components, finishes, fabrication details.
 - 1. Metal components.
 - 2. Glass.

578-004-11

3. Anchors and accessories.

- C. Shop Drawings: Indicate railing system elevations and sections, details of profile, dimensions, sizes, connection attachments, anchorage, size and type of fasteners, and accessories. Indicate anchor and joint locations, brazed connections, transitions, and terminations.
- D. Test Reports: Submit test reports from an independent testing agency that show compliance with specified design and performance requirements.
- E. Manufacturer's Instructions: Submit J.M. Gruca, Inc.'s instructions for special requirements for installation, and cleaning and maintenance.

1.5 QUALITY ASSURANCE

A. Qualifications:

- 1. Installer Qualifications: Company specializing in installing glazed railing systems, acceptable to J.M. Gruca, Inc.

B. Mock-ups:

- 1. Construct a railing of each type specified
- 2. Locate mock-ups where directed.
- 3. Mock-ups may remain as part of the Work.

C. Pre-Installation Meeting:

- 1. Schedule and conduct a preinstallation meeting one week before starting work of this section.
- 2. Attendees shall include, but are not limited to:
 - a. Contractor
 - b. J.M. Gruca, Inc. representative
 - c. Architect or Owner's representative
 - d. Other subcontractors of adjacent work

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver railing materials in factory provided protective coverings and packaging.
- B. Protect railing materials against damage during transit, delivery, storage, and installation at site.
- C. Acceptance at Site: Inspect railing materials upon delivery for damage. Repair damage to be indistinguishable from undamaged areas; if damage cannot be repaired to be indistinguishable from undamaged parts and finishes, replace damaged items.

578-004-11

- D. Storage and Protection: Prior to installation, store materials and components under cover, in a dry location.

1.7 PROJECT CONDITIONS

- A. Do not install railings until project is enclosed and ambient temperature of space is minimum 65 degrees F (18.3 degrees C) and maximum 95 degrees F (35 degrees C).
- B. Maintain ambient temperature of space at minimum 65 degrees F (18.3 degrees C) and maximum 95 degrees F (35 degrees C) for 24 hours before, during, and after railing installation.

1.8 WARRANTY

- A. Warranty: Furnish railing manufacturer's standard one year warranty against defects in materials, fabrication, finishes, and installation commencing on Date of Substantial Completion.

2. PRODUCTS

2.1 MANUFACTURER

- A. Handrails and Railings:
 - 1. J.M. Gruca, Inc.: 5309 Palmero Court, Burford, GA 30518; 877-628-1601: www.architecturalglassrailings.com.

2.2 MATERIALS

- A. Bronze Components: Standard US-10/612-639 finish – “Satin Bronze”
- B. Glass: Fully tempered – Kind FT, Quality Q3, ASTM C 1048, Condition A, Type 1, transparent glass.
 - 1. Surface and Edge Compression: Test in accordance with ASTM C 1048.
 - 2. Impact Strength: Category II, tested in accordance with 16 CFR 1201.
 - 3. Thickness:
 - a. ½ inch (13 mm).
 - 4. Configuration: Flat
 - 5. Edges: Ground smooth and polished.
 - 6. Color:
 - a. Clear.

578-004-11

2.3 BASE MOUNT RAILING SYSTEM

- A. Description: Engineered, base supported railing system with glass infill.
- B. Top Cap: 1 x 1-1/2 inch cherry wood unfinished.
- C. Base Shoe: Aluminum, 6063 T5 alloy; 2-1/2 inch (64 mm) wide by 4-1/8 inch (105 mm) high, rectangular profile, mill finish.
- D. Glass: As specified in this section.
- E. Fasteners:
 - 1. Attachment to Steel: Provide 24 inch (610 mm) center-to-center hole spacing; ½ inches (13 mm) – 13, stainless steel, socket head cap screws for drilled and tapped or drilled and bolted attachment.

2.4 HANDRAIL

- A. Handrail: 1-1/2 inch (38 mm) cherry wood, unfinished, with continuous integral steel reinforcing bar.
- B. Handrail Brackets: J.M. Gruca, Inc. standard, bronze finish brackets.
 - 1. Mounting: Glass
 - 2. Finish: US-10 180 grit satin finish.

2.5 ACCESSORIES

- A. Non-Weld Mechanical Fittings: Slip-on galvanized malleable iron castings, for Schedule 40 pipe, with flush setscrews for tightening by standard hex wrench, no bolts or screw fasteners.
- B. Exposed Fasteners: No exposed bolts or screws.
- C. Hydraulic Expansion Cement: Hartline Products Co., Inc.; Rockite Cement: www.rockite.com.
- D. Bituminous Coating: Fully tempered – Kind FT, Quality Q3, ASTM C 1048, Condition A, Type 1, transparent glass.
- E. Caulk: Silicone; black color.
- F. Provide anchors and other materials as required to attach to structure, made of same materials as railing components unless otherwise indicated; where exposed fasteners are unavoidable provide flush countersunk fasteners.

578-004-11

- G. Provide slip-on non-weld mechanical fittings to join lengths, seal open ends, and conceal exposed mounting bolts and nuts, including but not limited to elbows, T-shapes, splice connectors, flanges, escutcheons, and wall brackets.

2.6 FABRICATION

- A. Accurately form materials to suit specific project conditions and for proper connection to building structure.
- B. Fit and shop assemble components in largest practical sizes for delivery to site.
- C. Fabricate materials with joints tightly fitted and secured.
- D. Machine joint edges smooth and plan to produce hairline seams when site assembled; supply concealed sleeve connectors for joints.
- E. Provide sleeves to accommodate site assembly and installation.

2.7 FINISHES

- A. Provide finishes as noted below, unless otherwise indicated.
 - 1. Bronze Finish: US No. 10 180 grit stain.
 - 2. Touch-Up Materials: As recommended by manufacturer for field application.

3. EXECUTION

3.1 EXAMINATION

- A. Verify dimensions of location to receive railings.
- B. Blocking and supports for attachment of anchors will be required.
- C. Site conditions must be acceptable and ready to receive work.
- D. Notify Customer immediately of conditions that are not acceptable for installation of work.

3.2 PREPARATION

- A. Clean surfaces to receive metal railing of materials and substances that are detrimental to the installation.

578-004-11

3.3 INSTALLATION

- A. Install components plumb and level, accurately fitted, free from distortion or defects, with tight joints.
- B. Anchor railings securely to structure.
- C. Conceal anchor bolts and screws whenever possible. Where not concealed, use flush countersunk fastenings.

3.4 TOLERANCES

- A. Maximum Variation From Plumb: 1/4 inch (6 mm) per floor level, noncumulative.
- B. Maximum Offset From True Alignment: 1/4 inch (6 mm).
- C. Maximum Out-of-Position: 1/4 inch (6 mm).

3.5 FIELD QUALITY CONTROL

- A. Manufacturer's Field Services: J.M. Gruca, Inc. shall provide field observation of installation of their systems.
- B. Notify Customer immediately of any issues during railing installation.

3.6 CLEANING INSTRUCTIONS

- A. Remove protective film from exposed metal surfaces.
- B. Clean exposed metal finishes with potable water and mild detergent, in accordance with J.M. Gruca, Inc.'s recommendations. Do not use abrasive materials or chemicals, detergents or other substances that may damage the material or finish.
- C. Clean glazing surfaces; remove excess glazing sealant compounds, dirt, and other substances.
- D. Repair damage to exposed finishes to be indistinguishable from undamaged areas.
- E. If damage to finishes and components cannot be repaired to be indistinguishable from undamaged finishes and components, replace damaged items.

578-004-11

3.7 PROTECTION

- A. Protect installed railing systems and finishes from damage, after installation.

END OF SECTION 057300