ADDENDUM No. 03
September 15, 2016

AW Stanley Park and Aquatic Facility Improvements

New Britain, Connecticut
City of New Britain Bid Number 3896

The following changes and/or clarifications are hereby made to the Contract Documents dated August 22, 2016 for the above captioned project.

GENERAL INFORMATION

None

PROJECT MANUAL and SPECIFICATIONS

1) **Section 012200 "Unit Prices"**
   a) Clarification: For Unit Price items 3 and 4 (Shade Structures) and 5-7 (Site Furnishings) the Base Bid shall include none. All shade structures, park benches, trash receptacles and bike racks shall be provided at the Unit Price, if so selected by the Owner.

2) **Section 061000 "Rough Carpentry"; 2.1A**
   a) Delete Article 2.1 A "Certified Wood" in its entirety.

3) **Section 061000, "Rough Carpentry"; 2.10A and 2.10B**
   a) Change: Neoprene sill sealer to poly-foam sill sealer.

4) **Section 061850 "Glulam Construction"**
   a) Delete: Article 2.2B "Regional materials" in its entirety.

5) **Section 087100 "Door Hardware"**
   a) 3.8B – Delete coordinators at Hardware Sets 1 and 7

6) **Section 105113 "Metal Lockers"**
   a) Add: Section 105113 "Metal Lockers" in its entirety.

DRAWINGS

7) **Drawing S1.0 – Foundation Notes**
   a) Change: Note #4 to be #5 rebar at 24" OC, to match Detail 1/S4.1.

8) **Drawing 2/A2.3**
   a) At Chemical Storage #23, provide a 1-hour rated GWB ceiling. Assembly to be ^" metal joists at 16" OC with (2) layers 5/8" Type 'X' GWB, Moisture Resistant at bottom and (1) Layer 5/8" Type X, moisture resistant GWB on top. Tape and paint.

9) **Drawing 13 / A4.2**
   a) Add: 4" high concrete base for lockers.

10) **Drawings A8.1 and A8.2**
   a) Delete: References to masonry rebar size and spacing and refer to Structural Drawings for information.

11) **Drawings 14 / A9.2 Hardware Schedule**
   a) The following modifications / clarifications are made:
      i) Door #1 and #15: Change Size to a pair of 3'-6" Wide x 7'-0" High Doors
         Door to be similar to Type C/HM (adjust for size noted above)
         Frame is to be similar to Type C/HM (adjust for size notes above)
      ii) Door #14: Change Size to 3'-0" Wide x 7'-0" High Door
         Door to be Type A/HM
         Frame to be Type A/HM
      iii) Doors # 22, 23 & 28 are overhead coiling doors. Refer to Details on A9.3.
      iv) Door #27: Door is to be 45-Minute, Fire-Rated Door.

12) **Drawings A3.3, A3.4, A3.5 and A8.1**
   a) Delete: All reference to rigid insulation at foundation of Bathhouse. (Foundation insulation is required at Maintenance Building only).

SUBSTITUTION REQUESTS

None

QUESTIONS FROM BIDDERS (Not addressed above)

13) Please confirm the Owner will purchase builder's risk insurance if required.

Response: In accordance with the General Conditions, Article 28, the contractor shall not include any costs for Builder's Risk Insurance.

14) Section 055213 refers to Duncan ColorGalv on interior stair railings; confirm this is correct.

Response: Refer to Addendum #2. Color Galv is to be used on exterior railings only. Interior railings and steel at Maintenance Building is to be hot-dipped galvanized.

15) Addendum 1 clarifies that SIPs roof panels will have a total depth of 6 5/8" in lieu of 11 3/8" noted in the plans. Is it safe to assume that all eave and rakes details will change in size to conform to this new specification? For instance, the rake detail in section 13/A8.2 currently shows blocking within the SIPs panel and a 1 pc. PVC fascia trim board. The blocking scales to 11 3/8" and the trim scales to a ±1'. Will these items, and those similar, now match the depth of the 6 5/8" panels?

Response: Yes, all rake and fascia details will reduce in size to match the SIPs panel dimensions.

16) 06100 2.2B calls for lumber to be kiln dried after treatment. Multiple forced moisture content changes will compromise the integrity of the lumber. Industry standard is to kiln dry lumber before treatment. Please confirm this is acceptable.

Response: Kiln drying after treatment is the industry standard for the specified moisture content. Provide lumber as specified.

17) 9/A8.1 calls for a metal end cap at the end of the glulam rafter. Can you please confirm that each rafter will be capped individually, and that no continuous band will be required to accommodate the desired appearance?

Response: Yes, each rafter tail is capped individually.

18) As the specifications call for keying to existing system, please confirm which system is currently in place.

Response: Hardware cylinders will need to be coordinated with the City prior to the shop drawing phase.

19) Hardware sets 2-7 indicate no closer, but the schedule indicates positive latching. Please clarify.

Response: Doors have latch/lock sets that hold the door in the closed position. Doors with closers are self-latching, as opposed to positive latching.

20) Specifications lists all conduit to be RNC, PVC, but the reflected ceiling plan (A6.1) mentions all exposed conduit to be metallic. Please confirm which is correct.

Response: Conduit shall be as specified in Division 26 and as noted on 'E' Drawings.

21) GFI receptacles are listed as hospital grade; is this correct?

Response: GFCI receptacles do not need to be hospital grade.

22) Please clarify the "Clear Finished Exposed Wood Deck" as shown on Detail 6/A6.1. It appears that Details shown on drawing A8.1 show that the exposed under-side of the roof decking is the bottom layer of the Structural Insulated Roof Panels. Is it your intent that this material be the Pine Cladding, Beaded Ceiling material?

Response: Refer to Addendum #2. As originally specified, the pine was factory applied to SIPs. Addendum #2 changed the ceilings to be field applied.

23) On drawing 13/A3.1, between grid C.6 and E.7, you have labeled PTD MDO above the windows, is that supposed to be cement board siding? Is cement board siding typical above the windows and louvers?

Response: Yes, siding above the windows is cement board siding.

24) On details 2, 3/S4.3, is there gravel fill underneath? If yes, what thickness?

Response: Refer to Drawing GT 1.1 for material and depths below footing.

25) On detail 12/A9.3, on the inside of the concrete masonry wall, there appears to rigid insulation (not label), is that the intent and is this typical?

Response: Insulation at inside face of the foundation walls is required at Maintenance Building only. It is not required at Bathhouse.

26) On detail 11/S4.1, what is the spacing for pressure treated 2x10 joists?

Response: Refer to Plan 1 / S1.1.

ATTACHMENTS

1. Specification 105113 "Metal Lockers"

END OF ADDENDUM

SECTION 105113 - METAL LOCKERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following:

1. All-welded, athletic metal lockers.

1.3 DEFINITIONS

A. Uncoated Steel Sheet Thicknesses: Indicated as the minimum thicknesses.

1.4 SUBMITTALS

A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of metal locker and bench.

B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.

1. Show sloping tops, filler panels, recess trim and other accessories.
2. Include locker identification system.

C. Samples for Initial Selection: For units with factory-applied color finishes.

D. Qualification Data: For Installer.

E. Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms to include in maintenance manuals.

F. Warranty: Special warranty specified in this Section.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An authorized representative of metal locker manufacturer for installation and maintenance of units required for this Project.

B. Source Limitations: Obtain metal lockers and accessories through one source from a single manufacturer.

C. Product Options: Drawings indicate size, profiles, and dimensional requirements of metal lockers and are based on the specific system indicated. Refer to Division 1 Section "Product Requirements."

1. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.

D. Regulatory Requirements: Where metal lockers are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG).

1. Provide not less than 1 shelf located no higher than 48 inches (1219 mm) above the floor for forward, 54 inches (1372 mm) above the floor for side reach.
2. Provide 1 shelf located at bottom of locker no lower than 15 inches (381 mm) above the floor for forward, 9 inches (230 mm) above the floor for side reach.
3. Provide hardware that does not require tight grasping, pinching, or twisting of the wrist, and that operates with a force of not more than 5 lbf (22.2 N).

E. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 1 Section "Project Management and Coordination."

1.6 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver metal lockers until spaces to receive them are clean, dry, and ready for metal locker installation.

1.7 PROJECT CONDITIONS

A. Field Measurements: Verify the following by field measurements before fabrication and indicate measurements on Shop Drawings:

1. Concealed framing, blocking, and reinforcements that support metal lockers before they are enclosed.
2. Recessed openings.

1.8 COORDINATION

A. Coordinate size and location of concrete / concrete masonry bases for metal lockers.

B. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to ensure that metal lockers can be supported and installed as indicated.

1.9 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal lockers that fail in materials or workmanship, excluding finish, within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Structural failures.
b. Faulty operation of latches and other door hardware.

2. Damage from deliberate destruction and vandalism is excluded.
3. Warranty Period for All-Welded Metal Lockers: Minimum 10 years from date of installation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

1. Lyon Workspace Products, LLC.
2. Penco Products, Inc.
3. Republic Storage Systems, LLC.

2.2 MATERIALS

A. Cold-Rolled Steel Sheet: Prime, high grade Class 1 mild annealed, cold-rolled steel frame, free from surface defects.

B. Fasteners: Zinc- or nickel-plated steel, slotless-type exposed bolt heads, and self-locking nuts or lock washers for nuts on moving parts.

C. Anchors: Select material, type, size, and finish required for secure anchorage to each substrate.

1. Provide nonferrous-metal or hot-dip galvanized anchors and inserts in all locations.
2. Provide toothed-steel or lead expansion sleeves for drilled-in-place anchors.

2.3 ALL-WELDED, ATHLETIC METAL LOCKERS

A. Basis-of-Design Product: Lyon Lockers, All Welded “Quiet Lockers” or an equivalent product.
B. Locker Arrangement: Double tier indicated on Drawings.

C. Body: Assembled by welding body components together. Fabricate from unperforated, cold-rolled steel sheet with thicknesses as follows:

1. Tops and Bottoms: 0.0528 inch thick, with single bend at edges.
2. Backs: 0.0428 inch thick.

3. Shelves: 0.0528 inch thick, with double bend at front and right-angle single bend at sides and back.

D. Unperforated Sides: Fabricated from 0.0528-inch thick, cold-rolled steel sheet.

E. Frames: Channel formed; fabricated from 0.0528-inch- thick, cold-rolled steel sheet or 0.0966-inch- thick steel angles; lapped and factory welded at corners; with top and bottom main frames factory welded into vertical main frames. Form continuous, integral door strike full height on vertical main frames.

1. Cross Frames for Double-Tier Lockers: Channel formed and fabricated from same material as main frames; welded to vertical main frames.

F. Door Frame: One-piece, 14 gauge formed steel channels. Vertical members shall have an additional flange to form continuous door strike. Corners shall be lapped and welded into a rigid assembly. In addition, bottom cross members shall have tang at each end that fits through the slot in rear flange of upright frame member to prevent twisting out of alignment. Top and bottom cross members shall provide support for front edge of locker top and locker bottom.

G. Door: One-piece, 14 gauge steel on single and double tier with both vertical edges formed into channel-shaped formation; top and bottom shall be flanged at 90 degree angle. On multiple tier lockers, hinge side shall be formed into channel shaped formation with three sides flanged at 90 degrees.

H. Ventilation: Louvers shall be as follows:

1. Double tier lockers shall have six 6” louvers top and bottom.

I. Door Jambs: Single tier lockers shall have three door jambs; double tier lockers shall have two welded to side of door frames to engage locking device. Design and gauge of jamb to prevent freeing of lock device by prying. Each jamb shall have safety reverse nose to prevent hazard of sharp pointing device from protruding into locker. Each jamb shall have easily replaceable soft rubber bumper.

J. Hinges: Self-closing; welded to door and attached to door frame with not less than 2 factory-installed rivets per hinge that are completely concealed and tamper resistant when door is closed; fabricated to swing 180 degrees.

1. Knuckle Hinges: Steel, full loop, 5 or 7 knuckles, tight pin; minimum 2 inches (51 mm) high. Provide not less than 3 hinges for each door more than 42 inches (1067 mm) high.
2. Continuous Hinges: Manufacturer's standard, steel continuous hinge; side or top mounted as required by locker configuration.
3. Hinges: Manufacturer's standard, steel continuous or knuckle type.

L. Handles: On all lockers all parts shall be chrome plated, die cast zinc alloy with a tensile strength of not less than 40,000 psi. No moving parts are to operate against outside surface of locker. Padlock attachment to be integral part of lift which shall be attached directly to locking bar and protected by fixed handle housing. Handle to provide built-in padlock strike. Multiple

tier lockers shall be equipped with a 16 gauge door pull with padlock attachment. An optional recessed handle shall be available at no extra charge on all lockers. The recessed handle shall be approximately 4" x 6" x 1" deep and constructed of die-cast zinc alloy, nickel plated, with a minimum tensile strength of 40,000 psi.

M. Equipment: Equip each metal locker with identification plate and the following, unless otherwise indicated:

1. Double-Tier Units: One double-prong ceiling hook and two single-prong wall hooks.

N. Accessories:

1. Continuous Sloping Tops: Fabricated from minimum 0.0428-inch- (1.1-mm-) thick, cold-rolled steel sheet; approximately 20-degree pitch.

   a. Closures: Hipped-end type.

2. Recess Trim: Fabricated from 0.0428-inch- (1.1-mm-) thick, cold-rolled steel sheet.
3. Filler Panels: Fabricated from 0.0428-inch- (1.1-mm-) thick, cold-rolled steel sheet.
4. Boxed End Panels: Fabricated from 0.0528-inch- (1.35-mm-) thick, cold-rolled steel sheet.

M. Finish: Provide manufacturer's standard Three step corrosion resistant finishing process, as follows:

1. All metal parts to be cleaned and treated with multi-step detergent/iron phosphate coating, cold water rinsed and sealed with an environmentally sound non-chrome treatment.
2. Apply a prime coat of modified epoxy through an electrostatically charged dip process.
3. Apply a top coat of high solids polyester paint through an electrostatically charged spray process.
4. Color(s): As selected by Architect from manufacturer's full range.

2.6 FABRICATION

A. General: Fabricate metal lockers square, rigid, and without warp; with metal faces flat and free of dents or distortion. Make exposed metal edges free of sharp edges and burrs, and safe to touch.

1. Form body panels, doors, shelves, and accessories from one-piece steel sheet, unless otherwise indicated.
2. Provide fasteners, filler plates, supports, clips, and closures as required for a complete installation.

B. Unit Principle: Fabricate each metal locker with an individual door and frame; individual top, bottom, and back; and common intermediate uprights separating compartments.

C. All-Welded Construction: Factory preassemble metal lockers by welding all joints, seams, and connections, with no bolts, nuts, screws, or rivets used in assembly of main locker groups. Factory weld main locker groups into one-piece structures. Grind exposed welds flush.

D. Hooks: Manufacturer's standard ball-pointed type, aluminum or steel; zinc plated.

E. Identification Plates: Manufacturer's standard etched, embossed, or stamped aluminum plates; with numbers and letters at least 3/8 inch high.

F. Continuous Sloping Tops: Fabricated in lengths as long as practicable, without visible fasteners at splice locations; finished to match lockers.

1. Sloped top corner fillers, mitered.

G. Recess Trim: Fabricated with minimum 2-1/2-inch face width and in lengths as long as practicable; finished to match lockers.

H. Boxed End Panels: Fabricated with 1-inch- wide edge dimension, and designed for concealing fasteners and holes at exposed ends of nonrecessed metal lockers; finished to match lockers.

1. Provide one-piece panels for double-row (back-to-back) locker ends.

I. Finished End Panels: Designed for concealing unused penetrations and fasteners, except for perimeter fasteners, at exposed ends of nonrecessed metal lockers; finished to match lockers.

2.7 STEEL SHEET FINISHES

A. General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Factory finish steel surfaces and accessories except stainless-steel and chrome-plated surfaces.

C. Surface Preparation: Clean surfaces of dirt, oil, grease, mill scale, rust, and other contaminants that could impair paint bond. Use manufacturer's standard methods.

D. Polyester Finish: Immediately after cleaning and pretreating, electrostatically apply manufacturer's standard high solids polyester finish. Comply with manufacturer's written instructions for application and minimum dry film thickness.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine walls, floors, and support bases, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work.

1. For the record, prepare written report, endorsed by Installer, listing conditions detrimental to performance of work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. General: Install level, plumb, and true; shim as required, using concealed shims.

1. Anchor locker runs at ends and at intervals recommended by manufacturer, but not more than 36 inches o.c. Install anchors through backup reinforcing plates, channels, or blocking as required to prevent metal distortion, using concealed fasteners.
2. Anchor single rows of metal lockers to walls near top and bottom of lockers.
3. Anchor back-to-back metal lockers to floor.

B. All-Welded Metal Lockers: Connect groups of all-welded metal lockers together with standard fasteners, with no exposed fasteners on face frames.

C. Equipment and Accessories: Fit exposed connections of trim, fillers, and closures accurately together to form tight, hairline joints, with concealed fasteners and splice plates.

1. Attach hooks with at least two fasteners.
2. Attach door locks on doors using security-type fasteners.
3. Identification Plates: Identify metal lockers with identification in sequential numbers.

a. Attach plates to each locker door, near top, centered, with at least two aluminum rivets.

4. Attach recess trim to recessed metal lockers with concealed clips.
5. Attach filler panels with concealed fasteners. Locate fillers panels where indicated on Drawings.
6. Attach sloping top units to metal lockers, with closures at exposed ends.
7. Attach boxed end panels with concealed fasteners to conceal exposed ends of nonrecessed metal lockers.
8. Attach finished end panels with fasteners only at perimeter to conceal exposed ends of nonrecessed metal lockers.

3.3 ADJUSTING, CLEANING, AND PROTECTION

A. Clean, lubricate, and adjust hardware. Adjust doors and latches to operate easily without binding.

B. Protect metal lockers from damage, abuse, dust, dirt, stain, or paint. Do not permit metal locker use during construction.

C. Touch up marred finishes, or replace metal lockers that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by metal locker manufacturer.

END OF SECTION 105113