

CLARKSON UNIVERSITY

CAMP SHARED LAB

C&S PROJECT #D34.004.001

POTSDAM, NEW YORK

PRE-BID ADDENDUM #1

SEPTEMBER 13, 2017

To All Holders of Contract Documents:

Your attention is directed to the following interpretations of, changes in, and additions to the Contract Documents for the above-referenced project. All bid adjustments caused by the content of the Addendum shall include the cost of materials and labor related to the items herein and for any subsequent adjustments to the contract documents to accommodate the work stated herein.

This Addendum is part of the Contract Documents. Contractors shall be responsible for the full context of changes, interpretations, and clarifications to both the drawings and specifications and shall take the same into consideration when preparing their bids. Indicate receipt of this Addendum in the space provided within the Proposal.

This addendum consists of (3) pages, pre-bid meeting minutes and Specification 08113 – Hollow Metal Doors as attachments.

SPECIFICATIONS

1. **Section 00311- Proposal Form; CHANGE** date of Substantial completion from March 1, 2018 to April 1, 2018.
2. **Section 00810 “Supplemental Conditions”; DELETE** Article 13.1.2.2
3. **Section 081113 – Hollow Metal Doors; ADD** the attached specification.
4. **Section 087100 “Door Hardware”; CHANGE** one of the three hinges required to be a 12V electrified hinge (1 per leaf = 2 total required) for Hardware Set H-1.
5. **Section 087100 “Door Hardware”; CHANGE** the number of hinges per leaf from 3ea to 4 ea. For Hardware Set H-1 through H-5.
6. **Specification Section 087100 – Door Hardware – Door hardware quantities indicated in specifications are per leaf.**

DRAWINGS

1. **Drawing A1/AD-101 First Floor Demolition Plan – CHANGE** Keynote #2 for demolition of wall in Room 152 from Alternate #2 to Alternate #3.
2. **Drawing A1/-A-101 First Floor Equipment Plan; CHANGE** flooring material in two notes in Atrium C1000C from “VCT” to “LVT”.

3. **Drawing A1/FP-101 First Floor Fire Protection Plan; DELETE** note in Room 152 that indicates all work on east side of atrium to be Alternate #2. Sprinklers and associated piping in Room 115 are to be included in Alternate #2 and additional piping and sprinklers in Room 152 are to be included in Alternate #3.

CLARIFICATIONS

1. **Alternate #2 Scope** – Although the note in Room 115 indicates all work in the space to be Alternate #2, keynoted furnishing as indicated in the keynote legend and specification are N.I.C.
2. **Storage Cabinet Heights:** The third dimension (height) for all 1'-6" x 3'-0" and 2'-0" x 3'-0" cabinets on Drawing A1/A-101 First Floor Equipment Plan is 6'-0". The basis of design for the 1'-6" x 3'-0" cabinets is Global Industrial Item#: WB237635GY.
3. **Hollow Metal Frame Extensions** – The hollow metal frame extensions shown on Drawing A2/A-201 and associated detailing are a continuation of select vertical members connected to the structure above in order to provide lateral support. The extensions are intended to be concealed by the wider GWB wall above.
4. **Room 142 Flooring** - The flooring material for Vestibule 142 indicated as rubber in the room finish schedule is defined by basis of design on Drawing A1/A-101 First Floor Equipment Plan as a rubber type walk-off mat.
5. **Lab 145 Flooring** – Floors in Lab 145 are not required to be polished. Grinding is indicated on demolition drawings in order to remove existing paint/sealers and provide a more uniform appearance to the surface in preparation for sealer. Sealer is specified in Section 099600.
6. **Cubicle Curtains and Track** – The basis of design for the cubicle curtains is Kentek Flex-Guard with the following properties/options:
Layout – As shown on Drawings
Barrier Material – 250 Watts/cm², Black Flex-Guard
Construction – Below ceiling mount – track and supports to be provided
Panel End Construction – Panels joined with zippers
Position at Floor – Standard 0.25" Clearance
Valence – No valence
Breaks – Rectangular Layouts: 2 Breaks at both long edges, L-Shape Layouts: 1 Break at long edge
Options – Wiring and interlock switch
7. **Wall Heights** – All walls are to extend to the underside of the floor/structure above as indicated in Drawings.
8. **Dishwasher** – The dishwasher on drawing C1/A-201 located directly to the north of the sink is to be included in the contract. Provide Cole-Parmer EW-98950-01 or equal.
9. **Metal Casework/Furniture** – The basis of design manufacturer for metal casework/furniture is Hamilton Laboratory Solutions (www.hamiltonlab.com). All work surfaces are to be black chemical resistant epoxy resin and all casework 22" deep unless noted otherwise.
10. **Glassware Storage** – The basis of design for the glassware storage cabinet is Global Industrial Item#: T9FB1636078.

11. **Overhead Service Door** – The overhead service door is not required to be insulated, is to be ¾ hour rated (for 1hr wall) and baked enamel finishing is acceptable.
12. **Painting** – The underside and sides of the existing atrium bridge are not required to be painted. In Lab 145 all existing and new piping, ductwork etc. is required to be painted and color coding is not required. Painting of existing beams, columns and CMU infills from first floor to 15'-0" above in the atrium is to be included in Alternate #1.

END OF ADDENDUM



PROJECT: CLARKSON UNIVERSITY
CAMP SHARED LAB
C&S Project # D34.004.001

LOCATION: 8 Clarkson Ave
Potsdam, New York

DATE: September 08, 2017

PARTICIPANTS: See attached sign-in sheet.

I. PRE-BID MEETING MINUTES

A. INTRODUCTIONS

- Clarkson University: Owner, and Contract Holder. End user of facility.
- C&S Companies: Architect / Engineer
- See attached sign-in sheet for list of contractors/subs in attendance.

B. PURPOSE OF MEETING

- The purpose of this meeting is to allow Bidders to become familiar with the building and site of the Project. The general requirements of the Project will be discussed and questions taken, but Bidders are cautioned that nothing said or implied at this meeting constitutes a change to the Contract Documents. Clarifications or changes to the Contract Documents, if any are required, will be made by Addendum.

C. PROJECT

- General Description:
- Contract Type:
 - Invited Bidder's List
 - Single Prime, General Construction
 - Not a public project, prevailing wage rates, Wick's Law, Executive Orders, etc. do not apply.
 - M/WBE participation requirements apply: 16% MBE, 16% WBE

D. ALTERNATES / ALLOWANCES / UNIT PRICES:

- Alternate #1: Atrium flooring removal and replacement, removal of benches and planters at east side of atrium, new lockers along east side of atrium and painting in atrium at levels 2 and 3.



- Alternate #2: Removal of CMU wall and replacement with glass in Lab 115. Work also includes all scope within Lab 115.
- Alternate #3: Removal of CMU wall and replacement with glass in Lab 152.

E. SCHEDULE

- Bid opening September 19, 2017 at 1 PM – Bids to be sent to campus, contractors are not invited to the bid opening. Bids may be submitted electronically via email to Ana Thomas (athomas@clarkson.edu).
- Substantial Completion no later than April 01, 2018.

F. REGULATORY/ UTILITY APPROVALS:

- Contractor required to secure and pay for building permit

G. REVIEW OF CONTRACT DOCUMENTS

- Bid documents are available from C&S in hard copy or electronic format.

H. ADDENDA

- Any changes or modifications identified will be made by addendum to all known plan holders.
- All questions must be submitted in writing by fax or email to C&S. Attn: Michael Barnes (315.703.4231, mbarnes@cscos.com) no later than September 12, 2017.

I. GENERAL DISCUSSION

- Work will be permitted to begin in early morning. Work that is anticipated to create excessive noise (demolition) is preferred to take place over Christmas break.
- Access to the work area is available from parking directly to the west of the building and from sidewalks connected to the atrium. In addition, at the north end of the building is a fire lane that may be used for deliveries only. Parking and storage of materials is strictly prohibited in the fire lane. Near the west entrance is an existing concrete mechanical unit pad which may be used as a storage area or dumpster.
- Negative air pressure is not specifically required for the work areas however measures should be taken as required by specifications to protect surrounding areas from dust, debris, and construction activity.
- Equipment that is vibration sensitive is used within the building. Scheduling of activities that are anticipated to cause significant vibration should be coordinated with the campus.

SECTION 081113 - HOLLOW METAL DOORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes hollow-metal work.
- B. Related Requirements:
 - 1. Section 087100 "Door Hardware" for door hardware for hollow-metal doors.
 - 2. Section 099123 "Interior Painting" for painting of hollow-metal doors.
 - 3. Section 081213 "Hollow Metal Frames" for frames for hollow-metal doors.

1.3 DEFINITIONS

- A. Minimum Thickness: Minimum thickness of base metal without coatings according to NAAMM-HMMA 803 or SDI A250.8.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, core descriptions, and finishes.
- B. Shop Drawings: Include the following:
 - 1. Elevations of each door type.
 - 2. Details of doors, including vertical- and horizontal-edge details and metal thicknesses.
 - 3. Locations of reinforcement and preparations for hardware.
 - 4. Details of accessories.
- C. Schedule: Provide a schedule of hollow-metal work prepared by or under the supervision of supplier, using same reference numbers for details and openings as those on Drawings. Coordinate with final Door Hardware Schedule.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver hollow-metal work palletized, packaged, or crated to provide protection during transit and Project-site storage. Do not use nonvented plastic.

1. Provide additional protection to prevent damage to factory-finished units.
- B. Store hollow-metal work vertically under cover at Project site with head up. Place on minimum 4-inch-high wood blocking. Provide minimum 1/4-inch space between each stacked door to permit air circulation.

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. Amweld International, LLC.
 2. Ceco Door Products; an Assa Abloy Group company.
 3. Curries Company; an Assa Abloy Group company.
 4. Custom Metal Products.
 5. Daybar.
 6. Pioneer Industries, Inc.
 7. Steelcraft; an Ingersoll-Rand company.
- B. Source Limitations: Obtain hollow-metal work from single source from single manufacturer.

2.2 INTERIOR (UNINSULATED) DOORS

- A. Standard-Duty Doors: SDI A250.8, Level 1.
 1. Physical Performance: Level C according to SDI A250.4.
 2. Doors:
 - a. Type: As indicated in the Door and Frame Schedule.
 - b. Thickness: 1-3/4 inches.
 - c. Face: Uncoated, cold-rolled steel sheet, minimum thickness of 0.032 inch.
 - d. Edge Construction: Model 2, Seamless.
 - a. Core: Manufacturer's standard kraft-paper honeycomb, polystyrene, polyurethane, polyisocyanurate, mineral-board, or vertical steel-stiffener core at manufacturer's discretion.

2.3 MATERIALS

- A. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B; suitable for exposed applications.
- B. Hot-Rolled Steel Sheet: ASTM A 1011/A 1011M, Commercial Steel (CS), Type B; free of scale, pitting, or surface defects; pickled and oiled.

- C. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial Steel (CS), Type B.

2.4 FABRICATION

- A. Fabricate hollow-metal work to be rigid and free of defects, warp, or buckle. Accurately form metal to required sizes and profiles, with minimum radius for metal thickness. Where practical, fit and assemble units in manufacturer's plant. To ensure proper assembly at Project site, clearly identify work that cannot be permanently factory assembled before shipment.
- B. Hollow-Metal Doors:
 - 1. Vertical Edges for Single-Acting Doors: Provide beveled or square edges at manufacturer's discretion.
- C. Fabricate concealed stiffeners and edge channels from either cold- or hot-rolled steel sheet.
- D. Hardware Preparation: Factory prepare hollow-metal work to receive templated mortised hardware; include cutouts, reinforcement, mortising, drilling, and tapping according to SDI A250.6, the Door Hardware Schedule, and templates.
 - 1. Reinforce doors to receive nontemplated, mortised, and surface-mounted door hardware.
 - 2. Comply with applicable requirements in SDI A250.6 and BHMA A156.115 for preparation of hollow-metal work for hardware.

2.5 STEEL FINISHES

- A. Prime Finish: Clean, pretreat, and apply manufacturer's standard primer.
 - 1. Shop Primer: Manufacturer's standard, fast-curing, lead- and chromate-free primer complying with SDI A250.10; recommended by primer manufacturer for substrate; compatible with substrate and field-applied coatings despite prolonged exposure.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Drill and tap doors to receive nontemplated, mortised, and surface-mounted door hardware.

3.3 INSTALLATION

- A. General: Install hollow-metal work plumb, rigid, properly aligned, and securely fastened in place. Comply with Drawings and manufacturer's written instructions.
- B. Hollow-Metal Doors: Fit hollow-metal doors accurately in frames, within clearances specified below. Shim as necessary.
 - 1. Non-Fire-Rated Steel Doors: Comply with SDI A250.8
 - 2. Fire-Rated Doors: Install doors with clearances according to NFPA 80.

3.4 ADJUSTING AND CLEANING

- A. Final Adjustments: Check and readjust operating hardware items immediately before final inspection. Leave work in complete and proper operating condition. Remove and replace defective work, including hollow-metal work that is warped, bowed, or otherwise unacceptable.
- B. Remove grout and other bonding material from hollow-metal work immediately after installation.
- C. Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying, rust-inhibitive primer.

END OF SECTION 081113

SEPTEMBER 08, 2017
 PRE-BID MEETING

FOR

CLARKSON UNIVERSITY
 CAMP SHARED LAB

NAME	AFFILIATION	EMAIL	PHONE/FAX
Joseph Cring Jason Wolyn	BETTE & CRING HECC	jering@bettecring.com heccinc@gmail.com	315-782-0074 315-384-3449
Ron Burlin	NORTHLAND ASSOC	RE@ORLINENORTHLANDASSOC.COM	315 451-3722
Michael LaBier Todd Mreche	MURKIN BLDG CONSTRUCTION NTC	mla@murkinbuilding.com Mreche@ntcnw.com	518-569-9278 315-287-0208
Kirk Davis	NTC	kdavis@ntcnw.com	315-287-0208
Joe Johnson	Johnson Protective Crigs	johnsonprotective@wildblue.net	518-483-7388