

EXHIBIT B – Scope of Work

Intent:

In general, this Bid Package is comprehensive to specific CSI Division Work and related Work as referenced, indicated on, or implied by the Project Drawings, Specifications and Project Manual. Subcontractor acknowledges that the following Scope of Work detail is provided as a courtesy and must be used in conjunction with all Project Documents. Scope of Work detail listed is not intended to describe a complete and final work scope. It is provided as a summary overview only.

Document Inclusions:

- Sample subcontract agreement with special provisions and exhibits
- Owner contract
- Exhibit B - this scope of work
- Schedule
- Logistics plan
- Soils Report
- March 29, 2019 75% CD drawings and specifications

Scope of Work Summary:

Furnish all **DOORS AND HARDWARE, AND ACCESSORIES** submittals and shop drawings, fabrication, materials, safety, quality control, labor, equipment and tools, competent supervision, hoisting, scaffolding, campus traffic control measures, and transportation required for a complete installation of all **DOORS AND HARDWARE, AND ACCESSORIES** as outlined in the contract documents.

- ✓ **Include all doors and hardware**
- ✓ **Include all fire extinguishers and cabinets**
- ✓ **Include a threshold guards over expansion joints**
- ✓ **Include Knox Box**

Trade Specific Scope of Work Items:

The following is a general outline of items specifically included, but not limited to, under this agreement:

1. Provide cleaning of all exposed surfaces furnished under this package prior to final turnover.
2. Subcontractor understands the schedule and has included multiple crews in order to achieve the required dates.
3. All testing, certification tests, etc. under direction of Owner, Engineer, Inspectors, and governmental authority(s) having jurisdiction. This includes but is not limited to all seismic qualification certifications and/or calculations as required in various elevator specification sections. Certifications/calculations shall be signed and sealed by a qualified professional engineer.
4. This Subcontractor shall make deliveries by trailer truck. Storage space at the jobsite is extremely limited and will only be available as allowed by the CM. Include all necessary equipment, etc. to unload all deliveries.

5. Subcontractor shall include 2% of the total contract value for participation in composite clean-up crew. Balfour Beatty will be responsible for managing this crew.
6. Cleaning of streets if soiled by this subcontractor is included immediately upon occurrence before Owner contracts BBC.
7. Flaggers at site entrance are included for your scope of work entering and existing site
8. Subcontractor is responsible for all offsite/onsite storage, handling, and re-handling costs.
9. DOORS AND HARDWARE:
 - a. All hollow metal doors and frames:
 - i. Frames shall be prepped for masonry walls
 - ii. If any, louver and vision kits are included. Vision glass is included herein by this subcontractor
 - iii. All wiring pathways for card reader access
 - b. Design and specify all door hardware including lock sets, cylinders, cores, panics, closures, etc. Weather stripping and thresholds included to prevent blowing water into door openings (during pressure washing and cleaning of deck). All doors to have overhead door stops.
 - i. Elevator machine room doors need to self close and latch to meet NCDOL inspections.
 - ii. ADA compliant
 - iii. UNCW design standards compliant
 - iv. Weather stripping will be installed after painting is complete
 - v. Keying
 1. Provide temporary cores for construction with keys
 2. Turnover all permanent keys and cores to Owner
 3. Upon SCO Final, work with UNCW to swap out temporary cores with permanent cores. Subcontractor shall install all doors and jambs plumb, level and true. Subcontractor shall provide top quality work with tight, even joints, and all screws and nails properly set.
 - vi. Subcontractor shall coordinate with electrical subcontractor for all electrified hardware to determine location for rough-in, connections, wiring, etc. Subcontractor shall attend security coordination meeting to verify all conditions.
 - vii. Provide all specified and required special tools for the installation and maintenance of materials furnished under this agreement including providing Maintenance Manuals as required by Contract Documents for proper installation and owner turnover.
 - c. Include a minor bondo patching of doors and frames prior to painting of doors.
10. FIRE PROTECTION SPECIALTIES
 - a. Furnish and install all Stainless Steel surface mounted fire extinguishers cabinets. Include fire extinguisher. Locations throughout deck shown on plans

- i. Provide anchored signage above each cabinet
 - ii. Field verify locations with designer prior to installation to confirm location is protected from damage by vehicles.
 - iii. Provide 3 extra cabinets and 3 extra extinguishers in case fire marshal adds during inspections. Turnover as attic stock if not used in deck
- b. Furnish and install all wall mounted fire extinguishers at following locations:
 - i. at elevator machine rooms on level 5 (x2)
 - ii. electrical room on level 1
 - iii. IT closet on level 1
- c. All mounting heights are to be coordinated per accessibility requirements noted in the contract documents
- d. Provide an inspection service agreement for inspection and servicing of extinguishers for one year following date of initial charge, as well as for servicing and recharging extinguishers failing to hold charge within the initial one-year period. Recharging extinguishers due to use or vandalism shall not be included in service agreement.

11. THRESHOLD GUARDS AT EXPANSION JOINTS

- a. Furnish and install threshold type covers/guards over the rubber expansion joints floor levels 2-5 at both stairs.

12. KNOX BOX

- a. Furnish and install 3200 series knox box at electrical room on level 1
 - i. Surface mounted type
 - ii. Obtain local fire marshal code for keying (City of Wilmington)

13. ACCESS PANELS

- a. Furnish and install stainless steel access panels with lock cylinder and core matching UNCW campus standards. Include a handle.
 - i. At storage room under ramp (4'x4')
 - ii. At both "under" stair landings on level 1 (3'x3')

14. Project award includes erection times **(fill in durations)**:

Shop Drawing Time: _____ weeks

Fabrication Time: _____ weeks

Estimated duration of erection: _____ weeks

EXCLUSIONS:

1. Temporary doors, unless this subcontractor is late on permanent

ALTERNATES:

NONE