

March 25, 2022

To: All Potential Respondents  
From: Construction Procurement  
Subject: RFQ922900-01 – NCCF R&D Floor Replacement

### **Request for Quote**

The State of Iowa is conducting a Request for Quote for a contractor to replace existing wood flooring in the R&D building with new. See Exhibit B for additional detail.

All work must be done on-site at North Central Correctional Facility and all personnel must pass a background check. Information required for the background check includes full name, birthdate, state driver's license # or State id#, and social security number.

The flooring replacement shall be completed no later than 9/30/2022.

The Project is located at North Central Correctional Facility, 313 Lanedale Avenue, Rockwell City, Iowa 50579.

**Please email your quote using the Exhibit A pricing form to [construction.procurement@iowa.gov](mailto:construction.procurement@iowa.gov) prior to Thursday, April 14, 2022 at 2:00 pm (CT).**

**All questions regarding this solicitation must be received by email by 10:00 am (CT) ON April 8, 2022.**

### **Contract Terms and Conditions**

This procurement will result in a Consensus 802 Agreement. By submitting a quote, respondent agrees to the contract terms and conditions available at:

<https://das.iowa.gov/sites/default/files/procurement/pdf/ConsensusDoc802.pdf>

Respondent must provide a one-year warranty from the date of substantial completion and any additional warranties required in Exhibit E Technical Specifications.

Respondent must provide a Performance and Payment Bond in accordance with Section 10.8 of Consensus 802 Agreement.

### **Insurance Requirements**

Prior to the start of the work, the respondent must provide insurance to meet the requirements in the 802.

See sample Certificate of Insurance attached as Exhibit D for required limits, additional insured requirements and waiver of subrogation.

## Exhibit A Pricing Form

NCCF R&D Floor Replacement  
North Central Correctional Facility  
Request for Quote RFQ922900-01

**Due Thursday, April 14, 2022 at 2:00 pm (CT)**

Please submit this completed form with your Quote to:

Attention: Bobbi Pulley

Iowa Department of Administrative Services - Central Procurement

[construction.procurement@iowa.gov](mailto:construction.procurement@iowa.gov)

This form is to be completed in ink or typewritten.

Only pricing on this form or an exact copy of this form will be accepted.

Pricing Form shall be signed by an officer of the firm with authority to bind Respondent to Contract.

Respondent acknowledges receipt of the following Addenda (if issued) which are part of the RFQ documents:

Addendum No. \_\_\_\_\_ Date \_\_\_\_\_

Addendum No. \_\_\_\_\_ Date \_\_\_\_\_

Freight Terms: FOB Destination, Freight Pre-Paid

The State reserves the right to reject any or all quotes without penalty and to waive minor deficiencies and informalities if, in the judgement of the State, it's best interests will be served.

Respondents must submit pricing for all scope of work items indicated per the attached Exhibit B. The State reserves the right to evaluate pricing. The State intends to make one Award for this project.

### Lump Sum Price for NCCF R&D Floor Replacement

Wood Floor Replacement (Labor and Material(s)) Total \$ \_\_\_\_\_

\*Please note all pricing is to be delivered price. That is why we are stating FOB Destination, Freight Pre-Paid.\*

Signature \_\_\_\_\_

Name (Print) \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City, St., Zip \_\_\_\_\_

Phone # \_\_\_\_\_ Fax # \_\_\_\_\_

E-mail \_\_\_\_\_

Federal Tax Identification Number \_\_\_\_\_

Iowa Contractor Registration Number \_\_\_\_\_

Bidder Safety Manager Name \_\_\_\_\_

## **Exhibit B Scope of Work**

NCCF R&D Floor Replacement  
North Central Correctional Facility  
Request for Quote RFQ922900-01

**Due Thursday, April 14, 2022 at 2:00 pm (CT)**

### **SCOPE OF WORK**

Drawings: All drawings titled DOC NCCF R&D Floor Replacement, Dated: 3/9/2022

Specifications: All specifications Dated: 3/9/2022

1. Each person (excluding delivery drivers) shall submit to and pass a background check run by the State of Iowa prior to site entry. Information needed for background checks include full name, date of birth, and social security number. There is no cost to the Contractor for background checks. Plan that each background check take 2-weeks from the date of submission.
2. Contractors shall clean up and dispose of waste materials and debris generated from their work daily.
3. Contractors shall have a copy of their own Company Safety Manual onsite and submit an electronic copy to the Construction Manager.
4. If not included in the Company Safety Manual, Contractors shall submit their OSHA-required Silica Control Policy/Plan along with documentation identifying who the onsite Component Silica Control person(s) are, prior to beginning work onsite.
5. Contractors shall maintain an accurate set of As-Built Drawings throughout the duration of the Project.
6. All persons shall wear hardhats, safety glasses, work boots, full-length pants, and shirts with a minimum of 4-inch sleeves while onsite.
7. All persons are prohibited from using products containing tobacco and/or nicotine on site. Vaping products are also prohibited.
8. Contractors may use the facilities restroom.

## **Exhibit C Facility Work Requirements**

NCCF R&D Floor Replacement  
North Central Correctional Facility  
Request for Quote RFQ922900-01

**Due Thursday, April 14, 2022 at 2:00 pm (CT)**

- A. NCCF will provide an orientation for all individuals prior to working onsite. The orientation lasts approximately 2 hours. This will include:
  - a. NCCF General Rules of Employee Conduct
  - b. Dress Code and Appearance Guidelines
  - c. IDOC Staff Sexual Misconduct with Offenders Policy
  - d. PREA Policy and power point presentation to be completed by all site workers. This training takes about an hour and should be completed prior to commencement of work.
  - e. Tobacco Usage Policy
  - f. IDOC/NCCF Entrance Procedure
  - g. Tool Control Policy – full time NCCF staff supervision.
- B. All Contractors tools shall be inventoried upon entry into the institution and re-inspected upon exit.
  - a. NCCF would like to have the contractors bring a small trailer or container that can only be inside the secure perimeter during work hours, and outside of secure perimeter when not working. NCCF will move the trailer as no contractor vehicles can be inside secure perimeter. The trailer has to be lockable and NCCF will supply the lock. This container or trailer will house all tools and material that will be needed on a day to day basis. The tools will be inventoried each day before work begins and accounted for prior to the end of work each day. Tools shall be on shadow boards and an inventory sheet shall accompany the tools.
  - b. All Class A tools shall remain under direct supervision at all times (Class A tools will be designated prior to work start).
  - c. A Correctional Officer or CTL shall escort contractors while in the Facility.
  - d. Use of all terrain lifts would be preferred, ladders and scaffolding if used would need to be disassembled and removed from the facility nightly and constantly monitored while inside.
  - e. Dumpsters are allowed inside the perimeter fence but will require a 6'-0" tall perimeter fence that extends 10'-0" beyond the dumpster in all directions. Fencing needs to be mechanically continuous.
  - f. Major equipment and moving dumpsters in and out of the perimeter fence can only happen at count time. Count time is 11:15am and 4:00pm daily.
- C. The North Central Correctional Facility is a secure environment. To maintain this level of security, all vehicles and individuals entering the facility are subject to adherence to certain procedures and requirements including pat searches, metal-detector searches, and vehicle searches.
  - a. All persons shall be required to submit to a NCIC background check prior to being allowed on grounds.
  - b. Contractors are responsible for maintaining constant control of all tools and materials being used. At no time are offenders to be allowed the use of any Contractor's tools.
  - c. Refusal to submit to any of these requirements will result in forfeiture of access to the facility.
  - d. No weapons, ammunition, other security equipment, or controlled substances, are allowed on facility grounds.

- e. Cell phones are allowed for professional use. They need to always stay on person and if they are missing immediately report to NCCF staff.
  - f. Equipment such as backhoes, excavators, loaders, ride-on compactors, dump trucks, forklifts, scissor lifts, booms lifts shall be moved outside of the perimeter security fence at the end of each work shift.
- D. Contractors will not be allowed to leave a designated area without first getting approval from the supervising staff.
- a. Tobacco use is only allowed in a designated area outside of the secure perimeter.
  - b. Breaks should be coordinated to limit the amount of times contractors will need to be escorted in and out of the facility.
  - c. All contractors are required to wear long pants and, if at all possible, refrain from blue jeans. Contractors are not allowed to wear the following color shirts or coats: orange, blue, and grey. We recommend wearing high visibility yellow if possible to help distinguish you from the offender population.

**Exhibit D Sample Certification of Insurance**

NCCF R&D Floor Replacement  
North Central Correctional Facility  
Request for Quote RFQ922900-01

**Due Thursday, April 14, 2022 at 2:00 pm (CT)**



# SAMPLE

## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
xx/xx/xxxx

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER <b>Agent's Name</b> <b>Agent's Address</b>	CONTACT NAME: <b>Agent's Information</b> PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: INSURER(S) AFFORDING COVERAGE INSURER A: <b>Company A (AM Best Rated A/VI or Better)</b> INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	NAIC # <b>Admitted</b> <b>Carriers</b>
INSURED <b>Trade Contractor's Name</b> <b>Trade Contractor's Mailing Address</b>		

COVERAGES		CERTIFICATE NUMBER:		REVISION NUMBER:				
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.								
INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	Minimum
* A	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	X	X	#TBD- CGL	3/1/17	3/1/18	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMPROP AGG	\$ 1,000,000 \$ \$ \$1,000,000 \$2,000,000 \$1,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	X	X	#TBD-AL	3/1/17	3/1/18	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	\$ 1,000,000 \$ \$ \$
C	UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	X	X	#TBD-UMB	3/1/17	3/1/18	EACH OCCURRENCE AGGREGATE	\$ 2,000,000 \$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/ MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		X	#TBD-WC	3/1/17	3/1/18	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	\$ 500,000 \$500,000 \$500,000
* E	Owners Contrators Protective Liability			#TBD-OCF	3/1/17	3/1/18	*Limits equal to CGL (or) as required by owner (Note- Would be either CGL or OCF, not both)	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
Additional Insured on a Primary & Non-Contributory basis (CGL;AL;UMB/Excess) in favor of : (Owner) Iowa Department of Administrative Services (DAS), Officers, Directors, Members, Consultants, Agents, and Employees.  
Waiver of Subrogation (CGL;AL;WC/EL;UMB/Excess) in favor of: (Owner) Iowa Department of Administrative Services (DAS), Officers, Directors, Members, Consultants, Agents, and Employees.  
Project XXXX.XX (Number varies by project)

CERTIFICATE HOLDER Iowa Department of Administrative Services (DAS) 109 SE 13th Street Des Moines, IA 50319	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE <b>Signature</b>
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**Exhibit E Technical Specifications**

NCCF R&D Floor Replacement  
North Central Correctional Facility  
Request for Quote RFQ922900-01

**Due Thursday, April 14, 2022 at 2:00 pm (CT)**



**SECTION 02 41 00**  
**DEMOLITION**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Selective demolition of building elements for alteration purposes.

**1.02 REFERENCE STANDARDS**

- A. 29 CFR 1926 - U.S. Occupational Safety and Health Standards.
- B. NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations.

**1.03 ADMINISTRATIVE REQUIREMENTS**

- A. Preinstallation Meeting: Conduct a preinstallation meeting one week prior to the start of the work of this section; require attendance by all affected installers.

**1.04 SUBMITTALS**

- A. See RFQ for submittal procedures.
- B. Site Plan: Showing:
  - 1. Areas for temporary construction and field offices.
  - 2. Areas for temporary and permanent placement of removed materials.
- C. Demolition Plan: Submit demolition plan as specified by OSHA and local authorities.
  - 1. Indicate extent of demolition, removal sequence, bracing and shoring, and location and construction of barricades and fences.
  - 2. Include measures for environmental protection, for dust control, and for noise control.
  - 3. Detail special measures proposed to protect adjacent buildings to remain including means of egress from those buildings.
  - 4. Include a summary of safety procedures.
- D. Inventory of items that have been removed and salvaged.
- E. Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction.

**1.05 QUALITY ASSURANCE**

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ASSE A10.6 and NFPA 241.

**1.06 FIELD CONDITIONS**

- A. Spaces immediately adjacent to demolition area will be occupied. Conduct demolition so operations of occupied spaces will not be disrupted.
  - 1. Provide not less than 72 hours' notice of activities that will affect operations of adjacent occupied spaces.
  - 2. Maintain access to existing walkways, exits, and other facilities used by occupants of adjacent spaces.
    - a. Do not close or obstruct walkways, exits, or other facilities used by occupants of adjacent spaces without written permission from authorities having jurisdiction.
- B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- C. Hazardous Materials:
  - 1. It is not expected that hazardous materials will be encountered in the Work.
  - 2. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner.
- D. On-site storage or sale of removed items or materials is not permitted.

- E. Arrange demolition schedule so as not to interfere with Owner's on-site operations or operations of adjacent occupied buildings or spaces.

## **PART 2 PRODUCTS -- NOT USED**

## **PART 3 EXECUTION**

### **3.01 SCOPE**

- A. Remove portions of existing building as indicated in demolition plans.
- B. Remove items indicated, for salvage and relocation, including:
  - 1. Wood shoes at stair risers.

### **3.02 MATERIALS OWNERSHIP**

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.
- B. Historic items, relics, antiques, and similar objects including, but not limited to, cornerstones and their contents, commemorative plaques and tablets, and other items of interest or value to Owner that may be uncovered during demolition remain the property of Owner.
  - 1. Carefully salvage in a manner to prevent damage and promptly return to Owner.

### **3.03 GENERAL PROCEDURES AND PROJECT CONDITIONS**

- A. Comply with other requirements specified in Section 01 70 00.
- B. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
  - 1. Obtain required permits.
  - 2. Comply with applicable requirements of NFPA 241.
  - 3. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
  - 4. Provide, erect, and maintain temporary barriers and security devices.
  - 5. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
  - 6. Do not close or obstruct roadways or sidewalks without permit.
  - 7. Conduct operations to minimize obstruction of public and private entrances and exits; do not obstruct required exits at any time; protect persons using entrances and exits from removal operations.
  - 8. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon or limit access to their property.
- C. Do not begin removal until receipt of notification to proceed from Owner.
- D. Do not begin removal until built elements to be salvaged or relocated have been removed.
- E. Protect existing structures and other elements that are not to be removed.
  - 1. Provide bracing and shoring.
  - 2. Prevent movement or settlement of adjacent structures.
  - 3. Stop work immediately if adjacent structures appear to be in danger.
- F. Minimize production of dust due to demolition operations.
- G. If hazardous materials are discovered during removal operations, stop work and notify Architect and Owner; hazardous materials include regulated asbestos containing materials, lead, PCB's, and mercury.
- H. Perform demolition in a manner that maximizes salvage and recycling of materials.
  - 1. Dismantle existing construction and separate materials.
  - 2. Set aside reusable, recyclable, and salvageable materials; store and deliver to collection point or point of reuse.

### **3.04 EXISTING UTILITIES**

- A. Protect existing utilities to remain from damage.

- B. Contractor to coordinate utility shut-downs or disruptions with the Owner through the CM. Notices shall be as identified in RFQ and as agreed to at Pre-Construction meeting.
- C. Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to Owner.
- D. Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least three (3) days prior notification to Owner.

### **3.05 SELECTIVE DEMOLITION FOR ALTERATIONS**

- A. Drawings showing existing construction and utilities are based on casual field observation and existing record documents only.
  - 1. Verify that construction and utility arrangements are as indicated.
  - 2. Report discrepancies to Architect before disturbing existing installation.
  - 3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.
- B. Cooperate with the Owner and Authorities Having Jurisdiction to provide Interim Life Safety Measures (ILSM) in all areas affected by demolition or construction operations. ILSM consists of the following measures:
  - 1. Ensure exits provide an unobstructed egress. Building areas under construction must maintain escape facilities for construction workers at all times. Provide alternate routes around closed or obstructed traffic-ways if required by authorities having jurisdiction.
  - 2. Ensure fire alarm, detection and suppression systems are not impaired. Provide temporary systems if necessary.
  - 3. Ensure temporary construction partitions are smoke-tight and built of non-combustible or limited combustible materials that will not contribute to the development or spread of fire.
  - 4. Develop and enforce storage, housekeeping, and debris removal practices that reduce the flammable and combustible fire load of the building to the lowest level necessary for daily operations as stated in the general conditions.
  - 5. Provide hazard surveillance of building, grounds, and equipment with attention to construction areas, construction storage, and field offices.
  - 6. Follow NFPA 241 guidelines pertaining to safe-guarding for construction and demolition processes.
  - 7. Follow NFPA 1 guidelines pertaining to fire prevention measures.
- C. Separate areas in which demolition is being conducted from other areas that are still occupied.
  - 1. Provide, erect, and maintain temporary dustproof partitions of construction as indicated in RFQ .
- D. Salvaged Items: Comply with the following:
  - 1. Clean salvaged items of dirt and demolition debris.
  - 2. Pack or crate items after cleaning. Identify contents of containers.
  - 3. Store items in a secure area until delivery to Owner.
  - 4. Transport items to storage area designated by Owner.
  - 5. Protect items from damage during transport and storage.
- E. Remove existing work as indicated and as required to accomplish new work.
  - 1. Remove rotted wood, corroded metals, and deteriorated masonry and concrete; replace with new construction specified.
  - 2. Remove items indicated on drawings.
  - 3. Inventory and record the condition of items to be removed and salvaged.
- F. Protect existing work to remain.
  - 1. Prevent movement of structure; provide shoring and bracing if necessary.
  - 2. Perform cutting to accomplish removals neatly and as specified for cutting new work.
  - 3. Repair adjacent construction and finishes damaged during removal work.
  - 4. Patch as specified for patching new work.

### **3.06 DEBRIS AND WASTE REMOVAL**

- A. Remove debris, junk, and trash from site.
  - 1. Do not allow demolished materials to accumulate on-site.
  - 2. Locate building demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
  - 3. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
  - 4. Remove debris from elevated portions of the building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
  - 5. Project Coordinator will provide dumpster and coordinate with waste hauler for drop off and pick-up.
  - 6. Dumpster to be located as agreed upon at Pre-Bid meeting or by Owner.
- B. Leave site in clean condition, ready for subsequent work.
- C. Clean up spillage and wind-blown debris from public and private lands.

**END OF SECTION**

**SECTION 07 92 00**  
**JOINT SEALANTS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Nonsag gunnable joint sealants.
- B. Joint backings and accessories.

**1.02 REFERENCE STANDARDS**

- A. ASTM C834 - Standard Specification for Latex Sealants.
- B. ASTM C1193 - Standard Guide for Use of Joint Sealants.

**1.03 SUBMITTALS**

- A. See RFQ for submittal procedures.
- B. Product Data for Sealants: Submit manufacturer's technical data sheets for each product to be used, that includes the following.
  - 1. Physical characteristics, including movement capability, VOC content, hardness, cure time, and color availability.
  - 2. List of backing materials approved for use with the specific product.
  - 3. Substrates that product is known to satisfactorily adhere to and with which it is compatible.
  - 4. Substrates the product should not be used on.
  - 5. Substrates for which use of primer is required.
  - 6. Substrates for which laboratory adhesion and/or compatibility testing is required.
  - 7. Installation instructions, including precautions, limitations, and recommended backing materials and tools.
  - 8. Sample product warranty.
  - 9. Certification by manufacturer indicating that product complies with specification requirements.
- C. Product Data for Accessory Products: Submit manufacturer's technical data sheet for each product to be used, including physical characteristics, installation instructions, and recommended tools.
- D. Color Cards for Selection: Where sealant color is not specified, submit manufacturer's color cards showing standard colors available for selection.

**1.04 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum ten years documented experience.

**1.05 FIELD CONDITIONS**

- A. Do not proceed with installation of joint sealants under the following conditions:
  - 1. When ambient and substrate temperature conditions are outside limits permitted by joint sealant manufacturer or below 40 deg F.
  - 2. When substrates are wet.
  - 3. Where joint widths are less than those allowed by joint sealant manufacturer for applications indicated.
  - 4. Where contaminants capable of interfering with adhesion have not yet been removed from joint substrates.
- B. Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.

**1.06 WARRANTY**

- A. See RFQ for additional warranty requirement.
- B. Correct defective work within a five year period after Date of Substantial Completion.

- C. Warranty: Include coverage for installed sealants and accessories that fail to achieve watertight seal, exhibit loss of adhesion or cohesion, or do not cure.
1. Silicone sealant: 20 years.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Non-Sag Sealants: Permits application in joints on vertical surfaces without sagging or slumping.
1. Adhesives Technology Corporation: [www.atcepoxy.com](http://www.atcepoxy.com).
  2. Bostik Inc: [www.bostik-us.com](http://www.bostik-us.com).
  3. Chem Link, Inc: [www.chemlinkinc.com](http://www.chemlinkinc.com).
  4. Dow Corning Corporation: [www.dowcorning.com/construction/sle](http://www.dowcorning.com/construction/sle).
  5. Fortifiber Building Systems Group: [www.fortifiber.com/sle](http://www.fortifiber.com/sle).
  6. Hilti, Inc: [www.us.hilti.com/#sle](http://www.us.hilti.com/#sle).
  7. Master Builders Solutions by BASF: [www.master-builders-solutions.basf.us/en-us/#sle](http://www.master-builders-solutions.basf.us/en-us/#sle).
  8. Momentive Performance Materials, Inc (formerly GE Silicones): [www.momentive.com/sle](http://www.momentive.com/sle).
  9. Pecora Corporation: [www.pecora.com/?sle](http://www.pecora.com/?sle).
  10. Sherwin-Williams Company: [www.sherwin-williams.com](http://www.sherwin-williams.com).
  11. Sika Corporation: [www.usa-sika.com](http://www.usa-sika.com).
  12. Tremco Commercial Sealants & Waterproofing: [www.tremcosealants.com/#sle](http://www.tremcosealants.com/#sle).
  13. W.R. Meadows, Inc: [www.wrmeadows.com/sle](http://www.wrmeadows.com/sle).
  14. **OR** equal, approved by Architect prior to bid.

### **2.02 NONSAG JOINT SEALANTS**

- A. Type - General Purpose Interior Sealant - Acrylic Emulsion Latex: Water-based; ASTM C834, single component, non-staining, non-bleeding, non-sagging; not intended for exterior use.
1. Color: Standard colors matching finished surfaces, Type OP (opaque); paintable.
  2. Grade: ASTM C834; Grade - NF.
  3. Manufacturers:
    - a. BASF Building Systems; Sonolac.
    - b. Bostik, Inc.; Chem-Calk 600.
    - c. Master Builders Solutions; MasterSeal NP 520: [www.master-builders-solutions.com/en-us/#sle](http://www.master-builders-solutions.com/en-us/#sle).
    - d. Pecora Corporation; AC-20 +Silicone: [www.pecora.com/#sle](http://www.pecora.com/#sle).
    - e. Sherwin-Williams Company; White Lightning 3006 Siliconized Acrylic Latex Caulk: [www.sherwin-williams.com/#sle](http://www.sherwin-williams.com/#sle).
    - f. Sherwin-Williams Company; 850A Acrylic Latex Caulk: [www.sherwin-williams.com/#sle](http://www.sherwin-williams.com/#sle).
    - g. Sherwin-Williams Company; 950A Siliconized Acrylic Latex Caulk: [www.sherwin-williams.com/#sle](http://www.sherwin-williams.com/#sle).
    - h. Tremco Commercial Sealants & Waterproofing; Tremflex 834: [www.tremcosealants.com/#sle](http://www.tremcosealants.com/#sle).
    - i. **OR** equal, approved by Architect prior to bid.
  4. Applications:
    - a. Interior floor, wall and ceiling control joints in non-wet areas.
    - b. Other interior joints for which no other type of sealant is indicated.

### **2.03 ACCESSORIES**

- A. Backer Rod: Cylindrical cellular foam rod with surface that sealant will not adhere to, compatible with specific sealant used, and recommended by backing and sealant manufacturers for specific application.
1. Closed Cell and Bi-Cellular: 25 to 33 percent larger in diameter than joint width.
  2. Manufacturers:
    - a. ADFAST Corporation; ADSEAL BR-2600 (Backer Rod): [www.adfastcorp.com/#sle](http://www.adfastcorp.com/#sle).

- b. Nomaco, Inc; HBR or SOF Rod: [www.nomaco.com/#sle](http://www.nomaco.com/#sle).
- c. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Backing Tape: Self-adhesive polyethylene tape with surface that sealant will not adhere to and recommended by tape and sealant manufacturers for specific application.
- C. Masking Tape: Self-adhesive, nonabsorbent, non-staining, removable without adhesive residue, and compatible with surfaces adjacent to joints and sealants.
- D. Joint Cleaner: Non-corrosive and non-staining type, type recommended by sealant manufacturer; compatible with joint forming materials.
- E. Primers: Type recommended by sealant manufacturer to suit application; non-staining.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Verify that substrates and joints are ready to receive work.
- B. Verify that backing materials are compatible with sealants.
- C. Verify that backer rods are of the correct size.

#### **3.02 PREPARATION**

- A. Remove loose materials and foreign matter that could impair adhesion of sealant.
- B. Clean joints, and prime as necessary, in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Mask elements and surfaces adjacent to joints from damage and disfigurement due to sealant work; be aware that sealant drips and smears may not be completely removable.

#### **3.03 INSTALLATION**

- A. Perform work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Perform installation in accordance with ASTM C1193.
- C. Measure joint dimensions and size joint backers to achieve the following, unless otherwise indicated:
  - 1. Width/depth ratio of 2:1.
  - 2. Neck dimension no greater than 1/3 of the joint width.
  - 3. Surface bond area on each side not less than 75 percent of joint width.
- D. Install bond breaker backing tape where backer rod cannot be used.
- E. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without getting sealant on adjacent surfaces.
- F. Do not install sealant when ambient temperature is outside manufacturer's recommended temperature range, or will be outside that range during the entire curing period, unless manufacturer's approval is obtained and instructions are followed.
- G. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface.

#### **3.04 CLEANING**

- A. Clean adjacent soiled surfaces.

#### **3.05 PROTECTION OF FINISHED WORK**

- A. Protect sealants until cured.

**END OF SECTION**





**SECTION 09 64 29**  
**WOOD STRIP AND PLANK FLOORING**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Wood strip and plank flooring, nailed.

**1.02 RELATED REQUIREMENTS**

- A. Section 02 41 00 - Demolition.

**1.03 REFERENCE STANDARDS**

- A. MFMA (SPEC) - Guide Specifications for Maple Flooring Systems.
- B. National Park Service; Preservation Brief 18: Rehabilitating Interiors in Historic Buildings
- C. NWFA (IG) - Installation Guidelines.

**1.04 SUBMITTALS**

- A. See RFQ for submittal procedures.
- B. Product Data: Provide data for flooring and floor finish materials.
- C. Shop Drawings: Indicate floor joint pattern and termination details.
  - 1. Indicate provisions for expansion and contraction, base, and base corner details.
- D. Samples: Submit two samples 6 by 18 inch in size illustrating floor finish, color, and sheen.

**1.05 QUALITY ASSURANCE**

- A. Perform work of this section in accordance with NWFA (IG).
- B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years documented experience.
- C. Installer Qualifications: Company specializing in performing work of the type specified and approved by manufacturer.
- D. Review Preservation Guidelines prior to performing the work. Follow guidelines when applicable along with recommendations from the Regional Historic Preservation Officer (RHPO). The guidelines cover the following:
  - 1. Safety Precautions
  - 2. Historic Structures Precautions
  - 3. Submittals
  - 4. Quality Assurance
  - 5. Delivery, Storage and Handling
  - 6. Project/Site Conditions
  - 7. Sequencing and Scheduling
  - 8. General Protection (Surface and Surrounding)

**1.06 FIELD CONDITIONS**

- A. Existing Conditions: Determine that surfaces to which finishes are to be applied are even, smooth, sound, clean, dry and free from defects affecting proper application. Correct or report defective surfaces to Architect.
- B. Do not install wood flooring until wet construction work is complete and ambient air at installation space has moisture content stabilized at maximum moisture content of 40 percent.
- C. Provide heat, light, and ventilation prior to installation.
- D. Store materials in area of installation for minimum period of 24 hours prior to installation.
- E. Maintain minimum room temperature of 65 degrees F for a period of two days prior to delivery of materials to installation space, during installation, and after installation.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Hardwood Strip and Plank Flooring:
  - 1. Alexander Smith
  - 2. American Showcase
  - 3. Anderson Hardwood Floors: [www.andersonfloors.com/#sle](http://www.andersonfloors.com/#sle).
  - 4. Armstrong World Industries, Inc: [www.armstrong.com/#sle](http://www.armstrong.com/#sle).
  - 5. Bruce Flooring
  - 6. Johnson Hardwood
  - 7. Mohawk
  - 8. Shaw Floors
  - 9. Somerset Hardwood Flooring: [www.somersetfloors.com/#sle](http://www.somersetfloors.com/#sle).
  - 10. **OR** equal, approved by Architect prior to bid.

### **2.02 MATERIALS**

- A. Wood Strip Flooring: Contractor to verify species, grade, cut and size prior to ordering.
  - 1. Species: White hard maple- select.
  - 2. Grade: First.
  - 3. Cut: Edge grain.
  - 4. Moisture Content: 7 to 9 percent.
  - 5. Actual Width: 2-1/4 inches, to match existing.
  - 6. Edge: Tongue and Groove.
  - 7. Length: Random, minimum of 24 inches.
- B. Flooring Nails: Type recommended by flooring manufacturer.
- C. Subflooring: solid wood boards, to match depth of existing, tooth into existing.
  - 1. Species: contractor's choice.
  - 2. Minimal patching may be required after finish floor is demolished. No specific areas known at this time.
- D. Sheathing Paper: Plain building paper.

### **2.03 ACCESSORIES**

- A. Wood Base: Same species as flooring; profile as indicated.
- B. Wood Filler Paste: MPI #91.
- C. Transition Strip: Same species and finish as flooring material; flat boards unless otherwise indicated.
- D. Floor Finish: Water borne urethane, to achieve satin sheen surface; minimum 2 coats.
  - 1. Manufacturers:
    - a. Basic Coatings: Street Shoe XL
    - b. Bona: Traffic
    - c. Substitutions: Section 01 60 00 - Product Requirements.

### **2.04 EQUIPMENT**

- A. Hand-held orbital sanders (NO ROTARY OR DISK SANDERS)
- B. Machine belt or orbital sander (NO ROTARY OR DISK SANDERS)
- C. Stiff bristle brushes.
- D. Sandpaper: 3 grades, finest grade 100.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify existing conditions before starting this work.
- B. Verify that concrete subfloor surface is smooth and flat to plus or minus 1/4 inch in 10 feet.

- C. Verify wood subfloor is properly secured, smooth and flat to plus or minus 1/4 inch in 10 feet.
- D. Maximum Moisture Content of Interior Wood Substrates: 15 percent, when measured with an electronic moisture meter.
- E. Verify that required floor-mounted utilities are in correct location.

### **3.02 PREPARATION**

- A. Remove hardware, covers, plates, and similar items already in place that are removable. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and finishing
- B. Subflooring: replace subfloor that has deteriorated or does not meet wood flooring installation criteria.
- C. Prepare substrate to receive wood flooring in accordance with manufacturer's, MFMA, and NWFA instructions.
- D. Broom clean substrate.

### **3.03 INSTALLATION**

- A. Sheathing Paper: Place over wood subfloor; lap edges and ends 2 inches, staple in place.
- B. Wood Flooring:
  - 1. Install in accordance with manufacturer's, MFMA, and NWFA instructions; blind nail to wood sub-floor.
  - 2. Lay flooring to match existing direction. Verify alignment as work progresses.
  - 3. Arrange flooring with end matched grain set flush and tight.
  - 4. Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar; provide divider strips and transition strips in accordance with flooring manufacturer's recommendations and as indicated.
  - 5. Install edge strips at unprotected or exposed edges, and where flooring terminates.
  - 6. Secure edge strips before installation of flooring with stainless steel screws.
  - 7. Install flooring tight to floor access covers.
  - 8. Provide 1/32 inch per foot of room width or length expansion space at fixed walls and other interruptions.
- C. Install base at floor perimeter to cover expansion space in accordance with manufacturer's instructions. Miter inside and outside corners.
  - 1. Provide custom carved pieces at radiused wall conditions.

### **3.04 FINISHING AND REFINISHING**

- A. Mask off adjacent surfaces before beginning sanding.
- B. Sand flooring to smooth even finish with no evidence of sander marks. Take precautions to contain dust. Remove dust by vacuum.
  - 1. Machine sand in the direction of grain to remove stains, indentations and old finish. Remove only the amount of wood necessary to remove old finish but no more than 1/16 inch.
  - 2. Use hand-held sanders at edges of floor.
- C. Apply finish in accordance with floor finish manufacturer's instructions.
  - 1. Apply filler and stain and three finish coats.
  - 2. Apply wood filler paste to open-grain woods, as defined in "MPI Architectural Painting Specification Manual," to produce smooth, glasslike finish.
  - 3. Lightly buff between coats with steel wool and vacuum clean before applying succeeding coat.
  - 4. Apply last coat of finish.
- D. Reinstall floor mounted accessories in original locations.

**3.05 CLEANING**

- A. Clean and polish floor surfaces in accordance with floor finish manufacturer's instructions.

**3.06 PROTECTION**

- A. Prohibit traffic on floor finish for 48 hours after installation.
- B. Place protective coverings over finished floors; do not remove coverings until Date of Substantial Completion.

**END OF SECTION**