

## Addendum

<b>Solicitation Name</b>	Construction of Multifamily Housing Phase 1 of Austin Homes Redevelopment C20007	<b>Addendum Number</b>	3	<b>Date</b>	06/04/2020
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This addendum has three distinct sections.

### **Section 1: Answers to Questions**

This portion answers questions raised about this solicitation. To aid in readability, the questions are in black, the answers are in **bolded blue**, and the answers follow immediately below.

Q1	Alternate '5' – Please clarify the location of the intumescent fire protection and the applied fireproofing. <b>All intumescent fire protection has been removed from the project. All spray applied fire protection will be as specified in spec section 07 81 00 Applied Fireproofing as revised in Addendum #1. Alternate '5' has been removed from the project. Please see revised Solicitation Document A attached to this addendum.</b>
Q2	Alternate '6' - The revised specification section 07 25 00 does not include the approved alternate materials required. Please clarify. <b>Please see revised spec section 07 25 00 included in this addendum.</b>
Q3	There is a discrepancy in the spec between the elevator dimensions and the capacity of each elevator. Please clarify. <b>Please disregard the answer for question #8 in Addendum #2. Please provide (1) 1,800 pound elevator with a platform size of 6'-5 1/8"D x 4'-7"W and (1) 3,500 pound elevator with a platform size of 6'-5 1/8"D x 7'-6"W.</b>

## **Section 2: Revision to Section 07 25 00 Weather Barriers**

### **SECTION 07 25 00 WEATHER BARRIERS**

#### **PART 1 GENERAL**

##### **1.01 SECTION INCLUDES**

- A. Water-Resistive Barrier: Under exterior wall cladding, over sheathing or other substrate; not air tight or vapor retardant.
- B. Vapor Retarders: Materials to make exterior walls, joints between exterior walls and roof, and joints around frames of openings in exterior walls water vapor resistant and airtight.
- C. Air Barriers: Materials that form a system to stop passage of air through exterior walls, joints between exterior walls and roof, joints around frames of openings in exterior walls, and \_\_\_\_.

##### **1.02 RELATED REQUIREMENTS**

- A. Section 03 30 00 - Cast-in-Place Concrete: Vapor retarder under concrete slabs on grade.
- B. Section 07 24 00 - Exterior Insulation and Finish Systems: Water-resistive barrier under exterior insulation.
- C. Section 07 54 00 - Thermoplastic Membrane Roofing: Vapor retarder installed as part of roofing system.
- D. Section 07 62 00 - Sheet Metal Flashing and Trim: Metal flashings installed in conjunction with weather barriers.
- E. Section 07 92 00 - Joint Sealants: Sealing building expansion joints.
- F. Section 09 21 16 - Gypsum Board Assemblies: Water-resistive barrier under exterior cladding.

##### **1.03 DEFINITIONS**

- A. Weather Barrier: Assemblies that form either water-resistive barriers, air barriers, or vapor retarders.
- B. Air Barrier: Airtight barrier made of material that is relatively air impermeable but water vapor permeable, both to the degree specified, with sealed seams and with sealed joints to adjacent surfaces. Note: For the purposes of this specification, vapor impermeable air barriers are classified as vapor retarders.
- C. Vapor Retarder: Airtight barrier made of material that is relatively water vapor impermeable, to the degree specified, with sealed seams and with sealed joints to adjacent surfaces.
  - 1. Water Vapor Permeance: For purposes of conversion,  $57.2 \text{ ng}/(\text{Pa s sq m}) = 1 \text{ perm}$ .

- D. Water-Resistive Barrier: Water-shedding barrier made of material that is moisture resistant, to the degree specified, intended to be installed to shed water without sealed seams.

#### **1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on material characteristics.
- C. Shop Drawings: Provide drawings of special joint conditions.
- D. Manufacturer's Installation Instructions: Indicate preparation.

#### **1.05 FIELD CONDITIONS**

- A. Maintain temperature and humidity recommended by the materials manufacturers before, during and after installation.

### **PART 2 PRODUCTS**

#### **2.01 WEATHER BARRIER ASSEMBLIES**

- A. Water-Resistive Barrier: Provide on exterior walls under exterior cladding.
- B. Exterior Vapor Retarder:
1. On outside surface of inside wythe of masonry cavity wall use vapor retarder coating.
  2. On outside surface of sheathing use vapor retarder coating.
  3. On underside of elevated floors over enclosed soffit space use vapor retarder coating.

#### **2.02 WATER-RESISTIVE BARRIER MATERIALS (NEITHER AIR BARRIER OR VAPOR RETARDER)**

#### **2.03 AIR BARRIER MATERIALS (WATER VAPOR PERMEABLE AND WATER-RESISTIVE)**

- A. Air Barrier Sheet, Mechanically Fastened:
1. Air Permeance: 0.004 cfm/sq ft, maximum, when tested in accordance with ASTM E2178.
  2. Water Vapor Permeance: 5 perms, minimum, when tested in accordance with ASTM E96/E96M Procedure A (Desiccant Method) at 73.4 degrees F.
  3. Ultraviolet (UV) and Weathering Resistance: Approved in writing by manufacturer for up to 180 days of weather exposure.
  4. Surface Burning Characteristics: Flame spread index of 25 or less, and smoke developed index of 50 or less, when tested in accordance with ASTM E84.
  5. Complies with NFPA 285 wall assembly requirements.
  6. Water Resistance: Comply with applicable water-resistive requirements of ICC-ES AC308.
  7. Seam and Perimeter Tape: Polyethylene self adhering type, mesh reinforced, 2 inches wide, compatible with sheet material; unless otherwise specified.
  8. Manufacturers:
    - a. Carlisle Coatings and Waterproofing, Inc; CCW 705 RS: [www.carlisleccw.com/#sle](http://www.carlisleccw.com/#sle).
    - b. DuPont de Nemours, Inc; Tyvek Commercial Wrap with Tyvek Fluid Applied Flashing

- Brush Formulation, Tyvek Fluid Applied Flashing and Joint Compound, FlexWrap NF, StraightFlash, StraightFlash VF, Tyvek Wrap Caps, and Tyvek Tape: [www.dupont.com/#sle](http://www.dupont.com/#sle).
- c. Kimberly-Clark, distributed by Wolf Home Products; BLOCK-IT House Wrap: [www.wolfhomeproducts.com/#sle](http://www.wolfhomeproducts.com/#sle).
- d. Kingspan Insulation LLC; GreenGuard RainDrop Building Wrap: [www.trustgreenguard.com/#sle](http://www.trustgreenguard.com/#sle).
- e. Kingspan Insulation LLC; GreenGuard MAX Building Wrap: [www.trustgreenguard.com/#sle](http://www.trustgreenguard.com/#sle).
- f. Substitutions: See Section 01 60 00 - Product Requirements.

**B. Air Barrier, Fluid Applied: Vapor permeable, elastomeric waterproofing.**

**1. Air Barrier Coating:**

- a. Material: Acrylic.
- b. Acceptable Substrates: Stated by manufacturer as suitable for installation on visibly damp surfaces and concrete that has hardened but is not full cured ("green" concrete) without requiring a primer.
- c. Adhesion to Paper and Glass Mat Faced Sheathing: Sufficient to ensure failure due to delamination of sheathing.
- d. Dry Film Thickness (DFT): 10 mil, 0.010 inch, minimum.
- e. Air Permeance: 0.004 cfm/sq ft, maximum, when tested in accordance with ASTM E2178.
- f. Water Vapor Permeance: 18 perms, minimum, when tested in accordance with ASTM E96/E96M Procedure B (Water Method) at 73.4 degrees F.
- g. Ultraviolet (UV) and Weathering Resistance: Approved in writing by manufacturer for up to six months of weather exposure after application.
- h. Surface Burning Characteristics: Flame spread index of 25 or less, smoke developed index of 450 or less, when tested in accordance with ASTM E84.
- i. Code Acceptance: Comply with applicable requirements of ICC-ES AC212.
- j. Sealants, Tapes and Accessories: As recommended by coating manufacturer.
- k. Manufacturers:
  - 1) 3M Company; \_\_\_\_: [www.3M.com/construction/#sle](http://www.3M.com/construction/#sle).
  - 2) Master Wall, Inc; Rollershield LAB System: [www.masterwall.com/#sle](http://www.masterwall.com/#sle).
  - 3) Parex USA, Inc; Parex USA WeatherSeal Spray & Roll-on: [www.parexusa.com/#sle](http://www.parexusa.com/#sle).
  - 4) PROSOCO, Inc; R-GUARD Spray Wrap MVP: [www.prosoco.com/r-guard/#sle](http://www.prosoco.com/r-guard/#sle).
  - 5) Substitutions: See Section 01 60 00 - Product Requirements.

**2.04 AIR BARRIER MATERIALS (AIR AND VAPOR BARRIER)**

**A. Air and Vapor Barrier Sheet, Self-Adhered:**

- 1. Air Permeance: 0.004 cfm/sq ft, maximum, when tested in accordance with ASTM E2178.
- 2. Water Vapor Permeance: 0.02 perms, maximum, when tested in accordance with ASTM E96/E96M, Procedure B.
- 3. Water Penetration Resistance Around Nails: Pass, when tested in accordance with ASTM D1970/D1970M (modified).
- 4. Ultraviolet (UV) and Weathering Resistance: Approved in writing by manufacturer for up to 30 days of weather exposure.
- 5. Surface Burning Characteristics: Flame spread index of 25 or less, smoke developed index of 450 or less (Class A), when tested in accordance with ASTM E84.
- 6. Seam and Perimeter Tape: As recommended by sheet manufacturer.

7. Manufacturers:

- a. Carlisle Coatings and Waterproofing, Inc; Fire Resist 705FR-A: [www.carlisleccw.com/#sle](http://www.carlisleccw.com/#sle).
- b. \_\_\_\_\_.
- c. Substitutions: See Section 01 60 00 - Product Requirements.

B. Air and Vapor Barrier Sheet, Fluid-Applied:

- 1. Air Permeance: 0.004 cfm/sq ft, maximum, when tested in accordance with ASTM E2178.
- 2. Water Vapor Permeance: 0.1 perm, maximum, when tested in accordance with ASTM E96/E96M Procedure A (Desiccant Method) at 73.4 degrees F.
- 3. Water Penetration Resistance Around Nails: Pass, when tested in accordance with ASTM D1970/D1970M.
- 4. Surface Burning Characteristics: Flame spread index of 25 or less, smoke developed index of 450 or less (Class A), when tested in accordance with ASTM E84.
- 5. Seam and Perimeter Tape: As recommended by sheet manufacturer.
- 6. Manufacturers:
  - a. Carlisle Coatings and Waterproofing, Inc; Fire Resist Barritech NP: [www.carlisleccw.com/#sle](http://www.carlisleccw.com/#sle).
  - b. Tremco Commercial Sealants & Waterproofing; ExoAir 130: [www.tremcosealants.com/#sle](http://www.tremcosealants.com/#sle).
  - c. Substitutions: See Section 01 60 00 - Product Requirements.

**2.05 VAPOR RETARDER MATERIALS (AIR BARRIER AND WATER-RESISTIVE)**

**2.06 ACCESSORIES**

- A. Sealants, Tapes, and Accessories for Sealing Weather Barrier and Sealing Weather Barrier to Adjacent Substrates: As specified or as recommended by weather barrier manufacturer.
- B. Flexible Flashing: Self-adhesive sheet flashing complying with ASTM D1970/D1970M, except slip resistance requirement is waived if not installed on a roof.
- C. Termite-Resistant Barrier Foundation Flashing: Peel and stick flashing membrane; polyethylene film bonded to sealant.
  - 1. Thickness: 40 mil, 0.040 inch overall.
  - 2. Roll Width: 12 inch.
  - 3. Termite Resistance: 100 percent when tested in accordance with ICC-ES AC380.
  - 4. Manufacturers:
    - a. Polyguard Barrier Systems, Inc, a division of Polyguard Products, Inc; TERM Flashing Barrier: [www.polyguardbarriers.com/#sle](http://www.polyguardbarriers.com/#sle).
    - b. Substitutions: See Section 01 60 00 - Product Requirements.
- D. Liquid Flashing: One part, fast curing, non-sag, elastomeric, gun grade, trowelable liquid flashing.
  - 1. Manufacturers:
    - a. BASF Corporation; MasterSeal AWB 900: [www.master-builders-solutions.basf.us/#sle](http://www.master-builders-solutions.basf.us/#sle).
    - b. Master Wall Inc; SuperiorFlash: [www.masterwall.com/#sle](http://www.masterwall.com/#sle).
    - c. Pecora Corporation; \_\_\_\_\_: [www.pecora.com/#sle](http://www.pecora.com/#sle).
    - d. Substitutions: See Section 01 60 00 - Product Requirements.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that surfaces and conditions are ready to accept the work of this section.

### **3.02 PREPARATION**

- A. Remove projections, protruding fasteners, and loose or foreign matter that might interfere with proper installation.
- B. Clean and prime substrate surfaces to receive adhesives in accordance with manufacturer's instructions.

### **3.03 INSTALLATION**

- A. Install materials in accordance with manufacturer's instructions.
- B. Water-Resistive Barriers: Install continuous barrier over surfaces indicated, with sheets lapped to shed water but with seams not sealed.
- C. Air Barriers: Install continuous airtight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.
- D. Vapor Retarders: Install continuous airtight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.
- E. Mechanically Fastened Sheets - On Exterior:
  - 1. Install sheets shingle-fashion to shed water, with seams generally horizontal.
  - 2. Overlap seams as recommended by manufacturer but at least 6 inches.
  - 3. Overlap at outside and inside corners as recommended by manufacturer but at least 12 inches.
  - 4. For applications specified to be airtight, seal seams, laps, penetrations, tears, and cuts with self-adhesive tape; use only large-headed, gasketed fasteners recommended by the manufacturer.
  - 5. Install air barrier and vapor retarder underneath the jamb flashings.
  - 6. Install head flashings under weather barrier.
  - 7. At openings to be filled with frames having nailing flanges, wrap excess sheet into opening; at head, seal sheet over flange and flashing.
- F. Coatings:
  - 1. Prepare substrate in manner recommended by coating manufacturer; treat joints in substrate and between dissimilar materials as recommended by manufacturer.
  - 2. Use flashing to seal to adjacent construction and to bridge joints.
- G. Openings and Penetrations in Exterior Weather Barriers:
  - 1. Install flashing over sills, covering entire sill frame member, extending at least 5 inches onto weather barrier and at least 6 inches up jambs; mechanically fasten stretched edges.

2. At openings to be filled with frames having nailing flanges, seal head and jamb flanges using a continuous bead of sealant compressed by flange and cover flanges with sealing tape at least 4 inches wide; do not seal sill flange.
3. At openings to be filled with non-flanged frames, seal weather barrier to each side of opening framing, using flashing at least 9 inches wide, covering entire depth of framing.
4. At head of openings, install flashing under weather barrier extending at least 2 inches beyond face of jambs; seal weather barrier to flashing.
5. At interior face of openings, seal gap between window/door frame and rough framing, using joint sealant over backer rod.

**Construction of Multifamily Housing Phase 1 of Austin Homes Redevelopment C20007**  
**REVISED Solicitation Document A General Information and Cost**

**General Information about the Supplier**

**Sign Your Name to the Right of the Arrow** →

Your signature indicates you read and agree to "KCDC's General Instructions to Suppliers" ([www.kcdc.org](http://www.kcdc.org)) and that you are authorized to bind the supplier or are submitting the response on behalf of and at the direction of the suppliers' representative authorized to contractually bind the supplier. I represent that the supplier or its applicable representative(s) has reviewed the information contained in this Solicitation Package and that the information submitted is accurate.

**Printed Name and Title** →

**Company Name** →

**Street Address** →

**City/State/Zip** →

**Contact Person (Please Print Clearly)** →

**Telephone Number** →

**Cell Number** →

**Supplier's E-Mail Address (Please Print Clearly)** →

**Addenda**

Addenda are at [www.kcdc.org](http://www.kcdc.org). Click on "Procurement" and then on "Open Solicitations" to find addenda. Please check for addenda prior to submitting a proposal.

**Acknowledge addenda have been issued by checking below as appropriate:**

None ☐

Addendum 1 ☐

Addendum 2 ☐

Addendum 3 ☐

Addendum 4 ☐

Addendum 5 ☐

**Statistical Information (Check all the apply)**

**This business is at least 51% owned and operated by a woman**

Yes ☐ No ☐

**This business qualifies as a small business by the State of Tennessee**

*Total gross receipts of not more than \$10,000,000 average over a three-year period OR employs no more than 99 persons on a full-time basis*

Yes ☐ No ☐

**This business qualifies as a Section 3 business by defined herein**

Yes ☐ No ☐

**This business is owned & operated by persons at least 51% of the following ethnic background:**

Asian/Pacific ☐

Black ☐

Hasidic

Jew ☐

Hispanic ☐

Native

American ☐

White ☐

Publicly

Owned ☐

**Prompt Payment Discount**

**A prompt payment discount of \_\_\_\_\_% is offered for payment within \_\_\_\_ days of submission of an accurate and proper invoice.**

**Insurance**

**I have reviewed the insurance requirements and will comply with them without exception. Yes ☐ No ☐**



**Construction of Multifamily Housing Phase 1 of Austin Homes Redevelopment C20007**

**REVISED Solicitation Document A General Information and Cost**

Pursuant to and in compliance with the solicitation documents, the supplier signing Solicitation Document A, having thoroughly examined the work to be performed, agrees to perform the work for the following total bid amount for the above referenced project. The prices quoted cover all of the supplier's expenses including, but not limited to, overhead, profit, insurance, subcontractors, supplies and bonding.

***Complete all "blanks"-even if the amount is \$0.00***

<b>Cost Information</b>	
<b>Total Project Cost</b>	<b>\$</b>

<b>Deduct Alternates</b>	
Alternate No. 1: <u>Concrete Wall Finishing At Parking Garage</u>	-\$
Alternate No. 2: <u>Exterior Wall Veneer - Swisspearl</u>	-\$
Alternate No. 3: <u>Exterior Wall Veneer – AFCC Cembrit</u>	-\$
Alternate No. 4: <u>Entry Exterior Doors</u>	-\$
Alternate No. 5: Not Used	NA
Alternate No. 6: <u>Vapor Barrier</u>	-\$
Alternate No. 7: <u>Interior Unit Doors</u>	-\$
Alternate No. 8: <u>Window Treatment</u>	-\$
Alternate No. 9: <u>Rubber Base</u>	-\$
Alternate No. 10: <u>Cabinets - Merillat</u>	-\$
Alternate No. 11: <u>Cabinets - Master Woodcraft</u>	-\$
Alternate No. 12: <u>Countertops</u>	-\$
Alternate No. 13: <u>LVT Flooring</u>	-\$

<b>Unit Prices –Construction of Multifamily Housing Phase 1 of Austin Homes Redevelopment C20007</b>		
<b>Description</b>	<b>Cost</b>	<b>Unit of Measure</b>
Unit Price No. 1: Undercut and off-site disposal of unsuitable soil in trenches and replace with crushed stone	\$	Cubic Yard
Unit Price No. 2: Undercut and off-site disposal of unsuitable soil in mass excavation and replace with compacted soil	\$	Cubic Yard
Unit Price No. 3: Removal and off-site disposal of trench rock	\$	Cubic Yard
Unit Price No. 4: Removal and disposal of mass rock	\$	Cubic Yard
Unit Price No. 5: Flowable fill	\$	Cubic Yard