

April 20, 2015

BID # 1305

BID PACKAGE
FOR
REHABILITATION/RECONSTRUCTION WORK TO
COOPER RESIDENCE
17 TREMONT STREET
MILFORD, CONNECTICUT

ENGINEERS: DIVERSIFIED TECHNOLOGY CONSULTANTS

ADDENDUM NO. 2

THE FOLLOWING SHALL BE INCORPORATED INTO THE WORK.

RESPONSES TO CONTRACTOR QUESTIONS

1. The FF noted on page A-100 states the FF is 16.75'
The bottom of the lowest beam member is 16.00' The perimeter framing is a 14"PSL beam with the existing joist and floor sheathing sitting on top of the 14" PSL beam. I believe the FF of the first floor should be 17.66

Response: Utilize all elevations as shown on drawing A-101 and A-102 make the following typo correction: The 6'-6" from the Base Elevation EL 5.5' to AE 11.00' should read **5'-6"**.

All other Elevations AE 11.00, Top of Conc. 15.00' and Finish Floor 16.75' shall remain the same. Please note there is a Benchmark onsite of EL. 4.44 located to the NW of the exist residence in the sidewalk. See C-100

The basis of the elevations are:

$$AE\ 11.00' \times 1.25 + 1.0' = 14.75'$$

$$\text{Top of Concrete} = 14.75' + .25' \text{ for construction variation} = \mathbf{15.00'}$$

$$\text{Bottom of Lowest Structural member} + \text{TOC } 15.00' + 1.17' = \mathbf{16.17'}$$

$$\text{Finish Floor} = \text{Top of Structural member } 16.17' + .4584' = \mathbf{16.75' \quad *}$$

*(16.63 rounded to 16.75' for variations in existing construction.)

Verify all conditions in field prior to setting final Top of Conc. or Bottom of lowest structural member.

CHANGES AND CLARIFICATIONS

1. Sheets A-101, A-102: Change the value of the vertical dimension string spanning from EL 5.5' to AE 11.00' from 6'-6" to **5'-6"**

OORR PROGRAM
Cooper Residence
17 Tremont Street
Milford, CT
Project #: 1305
Addendum No. 2

2. Sheet S301: Change "BOTTOM OF THE LOWEST MEMBER ELEV." *from 16.0' to 16.17'*
3. The following section shall be added to the bid specifications: 085313 VINYL WINDOWS
4. The following section shall be added to the bid specifications: 096520 LAMINATE FLOORING

THE BID DATE AND TIME IS NOT CHANGED BY THIS ADDENDUM

CONTRACTORS SHALL ACKNOWLEDGE THIS ADDENDUM ON THE BID FORM

Attachments:

085313 VINYL WINDOWS

096520 LAMINATE FLOORING

END OF ADDENDUM NO. 2.

SECTION 085313 - VINYL WINDOWS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Vinyl New Construction Windows.

1.2 RELATED SECTIONS

- A. Section 06 20 00 - Finish Carpentry.
- B. Section 07 46 00 - Siding.

1.3 REFERENCES

- A. ANSI/AAMA/NWDA 101/I.S.2; 97 and current A-440-05 - Voluntary Specification for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors with revisions contained in "reprinting" of 12/99.
- B. AAMA 701/702 - Combined Voluntary Specifications for Pile Weather strip and Replaceable Fenestration Weather seals.
- C. AAMA 902 - Voluntary Specification for Sash Balances.
- D. ASTM E 283 - Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen.
- E. ASTM E 330 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference.
- F. ASTM E 547 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Cyclic Static Air Pressure Difference.
- G. ASTM E 1886 - Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.
- H. ASTM E 1996 - Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes.
- I. ASTM E 2190 - Standard Specification for the Classification of the Durability of Sealed Insulating Glass Units.
- J. ASTM F 588 - Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact.
- K. NFRC 100/200 - Procedure for Determining Fenestration Product U-Factors and Solar Heat Gain.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00.
- B. Product Data: Submit the following documents for each type of window.
 - 1. Manufacturer's technical data, product descriptions and installation guides.
 - 2. Elevation for each style window specified indicating its size, glazing type, muntin type and design.
 - 3. Manufacturer's head, jamb and sill details for each window type specified.
- C. Selection Samples: For each finish product specified, a complete set of Color chips representing manufacturer's full range of available Colors.
- D. Verification Samples: Provide operating units of each style window specified.
 - 1. Verification samples may be operating scaled-down mock-ups of actual-size units.
 - 2. Operating hardware such as balances, sash locks and weather-stripping.
 - 3. Verification samples will be returned to manufacturer's representative at project closeout.
- E. Test Reports: Submit certified independent testing agency reports indicating window units meet or exceed specified performance requirements.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum ten (10) years producing vinyl (PVC) windows.
- B. Installer Qualifications: Utilize an installer having demonstrated experience on projects of similar size.
- C. Source Limitations: Obtain window units from one manufacturer through a single source.
- D. Provide window units independently tested and found to be in compliance with ANSI/AAMA/NWDA 101/I.S.2-97 and current A440-05 performance standards listed above.
- E. Code Compliance: Provide windows that are labeled in compliance with the jurisdiction having authority over the project.
- F. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship and color are approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver windows to project site in undamaged condition; handle windows to prevent damage to components and to finishes.
- B. Store products in manufacturer's unopened packaging, out of direct sunlight or high temperature locations, until ready for installation.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.8 WARRANTY

- A. Submit manufacturer's standard warranty against defects in workmanship and materials.
1. Limited Lifetime Limited Transferable warranty on extruded solid vinyl member and component parts. Insulated glass is warranted against material obstruction of transparency resulting from film formation or dust collection on the interior glass surfaces for a period of twenty (20) years. Consult warranty for complete details.
 2. The warranty period for commercial project work such as apartments, housing authorities and other buildings not used by individual homeowners is 10 years, covering all vinyl, glass and component parts. Consult warranty for complete details.

PART 2 PRODUCTS

- 2.1 GENERAL: Windows shall be ordered to fit existing buck opening size of the windows. Contractor shall verify opening dimensions in the field.

2.2 MANUFACTURERS

- A. Design Based Product:

1. Manufacturer: Harvey Building Products , which is located at: 1400 Main St. ; Waltham, MA 02451-9180; Toll Free Tel: 800-598-5400; Tel: 781-398-7800; Fax: 781-398-7749; Email: [request info \(architects@harveybp.com\)](mailto:request_info_architects@harveybp.com); Web: www.harveybp.com

2. Product: Classic New Construction

2.3 NEW CONSTRUCTION CLASSIC DOUBLE HUNG WINDOWS

- A. Construction:

1. Nominal 0.070 inch (1.8mm) frame thickness polyvinyl chloride (PVC) with miter cut and fusion welded corners. Operable sash shall be a nominal 0.065 inch (1.7mm) thickness and fusion welded corners.
2. Siding Attachment: Integral 13/16 inch (21mm) "J" fin pocket.
3. Siding Attachment: L-fin (Integral J w/ L-adapter).
4. Color: White.
5. Glazing: Insulated glass units secured to sash frame using a sealant and dual durometer glazing bead. Complies with ASTM E 2190.
6. Sash Balances: Factory calibrated block and tackle, complying with AAMA-902. Balance cords shall be anchored to locking terminal housings when the sash is tilted in. The locking terminal and pivot bar system shall provide accurate alignment of the sash and the frame during operation.
7. Sash Locks: Cam type locks anchored with screws driven through the sash rail and into an extruded aluminum reinforcing bar. Double locks where

- openings exceed 30 1/4 inches (768mm) wide.
- 8. Weather Stripping: In compliance with AAMA 701.2.
- 9. Screens: Extruded aluminum full screen with 18 x 16 charcoal finished fiberglass mesh.
- 10. Screens: Extruded aluminum locking half screen with 18 x 16 charcoal finished fiberglass mesh.
- 11. Grids: 5/8 inch (16mm) SDL (Simulated Divided Lites).

B. Performance:

- 1. ENERGY STAR Rated
- 2. Structural Rating: H-R35 (DP35) - Test Size: 44 inches x 60 inches (1118mm x 1524mm) in accordance with ANSI/AAMA/NWDA 101/I.S.2.
- 3. Forced Entry: Type B, Grade 10 in accordance with ASTM F 588.
- 4. Sound Transmission Class: (STC) 28 and 35.
- 5. Thermal Transmittance: The following values are in accordance with NFRC 100 and NFRC 200.
 - a. Low-E/Argon: U-Factor - 0.30 / R-Value - 3.33 / SHGC - 0.30 / VT - 0.55.

2.4 NEW CONSTRUCTION PICTURE WINDOWS

A. Construction:

- 1. Frame: Nominal 0.070 inch (1.8mm) wall thickness polyvinyl chloride (PVC) with miter cut and fusion welded corners.
- 2. Siding Attachment: Integral 13/16 inch (21mm) "J" fin pocket.
- 3. Siding Attachment: L-fin (Integral J w/ L-adapter).
- 4. Color: White.
- 5. Glazing: Insulated glass units secured to sash frame using a sealant in the corners and glazing bead. Complies with ASTM E 2190.
- 6. Grids: No Grid

B. Performance:

- 1. ENERGY STAR Rated
- 2. Structural Rating: F-C50 (DP50) - Test Size: 70 inches x 70 inches (1778mm x 1778mm) in accordance with ANSI/AAMA/NWDA 101/I.S.2.
- 3. Forced Entry: Type D, Grade 40 in accordance with ASTM F 588.
- 4. Sound Transmission Class (STC): 29.
- 5. Thermal Transmittance: The following values are in accordance with NFRC 100 and NFRC 200.
 - a. Low-E/Argon: U-Factor - 0.27 / R-Value - 3.70 / SHG c-0.31 / VT - 0.58.

2.5 NEW CONSTRUCTION WINDOW ACCESSORIES

A. Mullions:

- 1. Common Jamb: Windows are contained within single frame and separated by a common mull post.
- 2. Non-Structural Combination Mullion: horizontal or vertical members. May be factory or field applied.

B. Casings: Factory installed casing options.

- 1. 2 3/8 inch (60mm) brick mold, nominal thickness 0.080 inches (2mm); 4 Sides.

2. 2 3/8 inch (60mm) brick mold, nominal thickness 0.080 inches (2mm) with 1 inch (25mm) sill nosing.
 3. 3 inch (76mm) flat casing, nominal thickness 0.080 inches (2mm); 4 sides.
 4. 3 inch (76mm) flat casing, nominal thickness 0.080 inches (2mm) with 1 inch (25mm) sill nosing.
- C. Extension Jambs:
1. Clear Pine.
 2. Custom Depth: Contractor shall confirm field dimension.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Confirm Rough Opening Sizes in the field. Order window to fit the field opening to minimize reworking rough opening size.
- B. Verify rough opening size is of sufficient size to receive window unit and complies with manufacturer's requirements for opening clearances.
- C. Verify that sill plate is level.

3.2 INSTALLATION

- A. Install window unit in accordance with manufacturer's printed instructions.
- B. Apply sealant around perimeter of window unit between nail fin and exterior sheathing of wall. Refer to Division 7 Section "Joint Sealants".
- C. Install window unit level and plumb. Center window unit in opening and secure window unit by nailing through nail fin and screw through jambs as indicated in manufacturer's instructions.
- D. Flash window in accordance with AAMA's "Standard Practice for Installation of Windows with a Mounting Flange in Stud Frame Construction". Install air barrier system. Install asphaltic weather barrier tape around rough opening commencing with sill flashing. Lap weather barrier tape for positive drainage over top flange of window. Seal all window flanges with weather barrier. Install all weather barrier tape to complete air barrier system at the window with existing air barrier system.
- E. Insulate between window frame and rough opening with insulation. Refer to Division 7 Section "Building Insulation".

3.3 ADJUSTING

- A. Adjust units for smooth operation without binding or racking.
- B. Adjust sash locks and screens for smooth operation.

3.4 CLEANING

- A. Clean soiled surfaces and glass prior to substantial completion.

3.5 PROTECTION

- A. Protect window unit from damage until substantial completion. Repair or replace damaged units.

END OF SECTION

SECTION 096520 - LAMINATE FLOORING

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
1. Laminate Plank flooring
 2. Reducers
 3. Thresholds
 4. Base
 5. Underlayments

1.2 REFERENCES

- A. ASTM International (ASTM):
1. D2047 - Standard Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces as Measured by the James Machine
 2. E648 - Standard Test Method for Flooring Radiant Panel Test
 3. F970 - Standard Test Method for Static Load Limit
 4. F1066 - Standard Specification for Vinyl Composition Tile
- B. Resilient Floor Covering Institute (RFCI) - FloorScore Certification Program

1.3 SUBMITTALS

- A. Submittals for Review:
1. Product Data: Provide data on specified products, describing physical and performance characteristics
 2. Samples:
 - a. Flooring: 12 inch long samples in each color and pattern
 - b. Reducers, thresholds, transitions and moldings: 4 inch long samples in each color
- B. Quality Control Submittals:
1. Certificates of Compliance: Certification from an independent testing laboratory that flooring meets fire hazard classification requirements

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum 5 years documented experience in work of this Section.
- B. Fire Hazard Classification: Class I rated, tested to ASTM E648.
- C. Static Coefficient of Friction: Minimum 0.5, tested to ASTM D2047.

1.5 PROJECT CONDITIONS

- A. Maintain temperature in spaces to receive flooring between 70 and 90 degrees F for 24 hours before, during, and for minimum 48 hours after installation.
- B. Maintain minimum temperature of 55 degrees F after flooring is installed, except as otherwise specified.

1.6 WARRANTY

- A. Provide manufacturer 25 year limited residential warranty. The warranty shall warrant against the following defects:

- 1) The laminate surface will not wear through
- 2) The floor will not fade due to sun or electrical light
- 3) The floor will not stain.
- 4) The floor will resist damage from moisture due to damp mopping and everyday spills when removed promptly
- 5) MAINTENANCE The joint will remain secure under normal use conditions.

1.7

- A. Extra Materials: One unopened carton of each color and pattern.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers - Vinyl Plank:
1. Innovations
 2. USFloors. (www.usfloorsllc.com)
 3. Armstrong. (www.armstrong.com)
 4. Mannington. (www.mannington.com)

- B. Substitutions: Under provisions of Division 01.

2.2 MATERIALS

- A. Laminate Flooring Tile:
1. Product: Match Existing Laminate Flooring.
 2. Size: As selected by homeowner.
 3. Color: As selected by homeowner from manufacturer's selection.
 4. Greenguard Certified Low/Voc, or FloorScore Certified

2.3 ACCESSORIES

- A. Leveling Compound: White, premixed, latex based.
- B. Foam underlayment – 2.0 lb polyethylene foam (1.9-2 lb density, CFC free, 1.8mm to 2.1mm thickness.
- C. Thresholds, Transition Strips & misc.: Provide thresholds, transitions strips, and misc. moldings to match the new flooring material as approved by the owner to complete the work.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that wood subflooring is properly installed. Correct any deficiencies to existing subflooring that may result in a substandard installation.

3.2 PREPARATION

- A. Clean substrate; remove loose and foreign matter that could impede performance of flooring.
- B. Replace any water damaged underlayment & subflooring.
- C. Fill cracks, voids, and depressions in substrate with leveling compound.

- D. Grind off high spots and projections in substrate; leave smooth and level to 1/4 inch in 10 feet.

3.3 INSTALLATION OF PLANK

- A. Install in accordance with manufacturer's instructions.
- B. Mix materials from multiple containers to ensure shade variations are consistent when flooring is placed.
- C. Lay flooring with joints parallel to building lines to produce symmetrical pattern.
- D. Install flooring to pattern directed by owner. Allow minimum half-size units at room or area perimeter.
- E. Scribe flooring to walls, columns, cabinets, and other appurtenances. Ensure that base, trim, plates, or escutcheons will completely cover cut edges. Allow 3/8" expansion space for expansion and contraction as recommended by the manufacturer.
- F. Extend flooring into recesses, alcoves, closets and under equipment.
- G. Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar.

3.4 INSTALLATION OF REDUCER STRIPS

- A. Center strips under doors where flooring terminates at door openings.
- B. Install in longest practical lengths; butt ends tight.
- C. Scribe to abutting surfaces.

3.5 ADJUSTING

- A. Correct flooring that is not seated; replace damaged flooring.

3.6 CLEANING

- A. Clean flooring, wax, and machine buff in accordance with manufacturer's instructions.

3.7 PROTECTION

- A. Do not allow traffic on flooring in accordance with manufacturer's installation instructions.
- B. Cover areas subject to traffic with protective covering.

END OF SECTION - 096520