December 18, 2012

891 Arkwright

To All Contractors Bidding:

Hopefully this will be the last of it.

Changes to 891 Specification and Addendum Alternate emailed yesterday:

- 1. #02 4100 Demolition: demo attic space, remove insulation, drywall, trim. Flooring
- 2. #07 4646 Fiber Cement Trim: Eliminate from specification
- 3. New window and door trim to be 1 x 4" treated lumber, shimmed out to 5/4 depth and wrapped with Aluminum (#07 6200) for both Steel siding and Vinyl siding specifications.
- 4. #07 4633 Vinyl Siding: use vinyl corner boards

Gail Merriam
Spec Writer and Project Manager

SECTION 00 4102

HRA LINE ITEM BID SHEET PART 1 MANUAL BID SHEET - LINE ITEM BREAKDOWN OF WORK **DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIRMENTS DIVISION 02 - EXISTING CONDITIONS** 022663 - Mold Assessment \$ _____ 024100 - Demolition 028200 - Asbestos Remediation 028313 - Lead Hazard Control Activities **DIVISION 03 - CONCRETE** 030100 - Maintenance of Concrete 033000 - Cast in Place Concrete **DIVISION 04 - MASONRY** 042300 - Glass Unit Masonry **DIVISION 06 - WOOD, PLASTICS AND COMPOSITES** 061000 - Rough Carpentry 062000 - Finish Carpentry **DIVISION 07 - THERMAL AND MOISTURE PROTECTION** 072119 - Foamed-In-Place Insulation 072126 - Blown Insulation 072500 - Weather Barriers 072700 - Air Barrier System 073113 - Asphalt Shingles 074633 - Vinyl Siding \$_____ 074646 - Fiber Cement Trim 075200 - Modified Bituminous Membrane Roofing \$ _____ 076200 - Sheet Metal Flashing and Trim 077123 - Manufactured Gutters and Downspouts **DIVISION 08 - OPENINGS** 081100 - Exterior Insulated Metal Doors and Frames 081613 - Fiberglass Doors \$ _____ 081429 - Wood Doors 083323 - Overhead Garage Door 085413 - Wood/Fiberglass Windows **DIVISION 09 - FINISHES** 090120 - Repair of Plaster and Gypsum Board 090160 - Hardwood Flooring Restoration 092116 - Gypsum Board Assemblies 093000 - Tiling \$_____ 096219 - Floating Floor 099000 - Painting and Coating

099723 - Concrete and Masonry Coatings

DIVISION 10 - SPECIALTIES		
105623 - Closet Storage Sh	elving	\$
107446 - Window Wells		\$
DIVISION 11 - EQUIPMENT		
113100 - HRA Residential A	Appliances	\$
DIVISION 12 - FURNISHINGS		
121110 - HRA Mail Box and	House Numbers	\$
121111 - Bathroom Furnish	ings	\$
123530 - Residential Casev	vork	\$
DIVISION 22 - PLUMBING		
223000 - Plumbing Equipm	ent	\$
224000 - Plumbing Fixtures		\$
DIVISION 23 - HEATING, VEN	FILATING AND AIR CONDITIONING	
230000 - Residential Ventila	ation	\$
235400 - Forced Air Furnac	e and Ducts	\$
236213 - Forced Air A/C		\$
DIVISION 26 - ELECTRICAL		
261001 - Power, Wiring and	d Devices	\$
265101 - HRA Lighting		\$
DIVISION 28 - ELECTRONIC S	AFETY AND SECURITY	
281600 - Intrusion Detection	า	\$
DIVISION 31 - EARTHWORK		
312200 - Grading		\$
DIVISION 32 - EXTERIOR IMP	ROVMENTS	
321313 - Concrete Paving		\$
32-3113 - Chain Link Fence	es and Gates	\$
323223 - Segmental Retain	ing Walls	\$
329223 - Sodding		\$
329223 - Sodding		\$
329300 - Plants		\$
ALTERNATE TO VINYL SIDIN	G	
074213 - STEEL SIDING		\$
TOTAL		
TOTAL		\$

SECTION 07 4633 ADDENDUM: PLASTIC SIDING

PART 1 GENERAL

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1.01 SUBMITTALS

A. Color Charts: Where colors are not specified, provide samples of manufacturer's entire color line for selection.

PART 2 PRODUCTS

2.01 MATERIALS

- A. General Requirements:
 - 1. Siding: Comply with ASTM D3679 Class 2.
 - 2. Soffit: Comply with ASTM D4477.
- B. Horizontal Vinyl Siding Type CertainTeed Wolverine Encore:
 - 1. Profile: Clapboard, Double 4-Inch; 4 inches wide; 8 inch exposure.
 - 2. Band board: 7" wide
 - 3. Thickness: 0.038 inch, minimum.
 - 4. Length: 12 feet, minimum.
 - 5. Nailing Hem: Single layer, with 1-1/8 inch long nail holes at maximum 18 inches on center.
 - 6. Finish: Woodgrain.
 - Color: As selected by Construction Manager from manufacturers full range of available colors.
- C. Accessories: Provide coordinating accessories made of same material as required for complete and proper installation whether or not specifically shown on the drawings.
- D. Fasteners: Aluminum nails, alloy 5056 or 6110, with minimum tensile strength of 63,000 pounds per square inch; length as required to penetrate framing at least 3/4 inch.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install siding, soffit, and trim in accordance with manufacturer's printed installation instructions.
- B. Attach securely to framing, not sheathing, with horizontal components true to level and vertical components true to plumb, providing a weather resistant installation.

3.02 LOCATION

A. Exterior of the Home; Bandboard at front of house.

END OF SECTION

SECTION 07 4646 FIBER CEMENT TRIM

PART 1 GENERAL
PART 2 PRODUCTS
2.01 TRIM

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- A. Window and door trim
 - 1. Individual made of cement and cellulose fiber formed under high pressure with integral surface texture, complying with ASTM C1186 Type A Grade II; with squared edges.
 - 2. Style: 5/4 HardieTrim NT3 Boards.
 - 3. Texture: Smooth.
 - 4. Width (Height): 5.50 inches.
 - 5. Thickness: 1 inch, nominal.
 - 6. Finish: Factory applied primer. Finish painting to be applied by contractor.
 - 7. Color: As selected by Construction Manager (see section 09 9000).
 - 8. Warranty: 15 year limited; transferable.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions and recommendations.
 - 1. Read warranty and comply with all terms necessary to maintain warranty coverage.

3.02 LOCATION

A. House Trim

END OF SECTION

SECTION 07 4213

ALTERNATE: STEEL SIDING

PART 1 GENERAL	\$
1.01 SUBMITTALS	

A. Samples: Submit two samples of wall panel, ____ inch by ____ inch in size illustrating finish color, sheen, and texture.

1.02 WARRANTY

- A. Correct defective work within a five year period after Substantial Completion for degradation of panel finish, including color fading caused by exposure to weather.
- B. Correct defective Work within a five year period after Substantial Completion, including defects in water tightness and integrity of seals.

PART 2 PRODUCTS

2.01 MANUFACTURED METAL PANELS

- A. Wall Panel System: Factory fabricated prefinished metal panel system, site assembled.
 - 1. Provide exterior panels.
 - 2. Maximum Allowable Deflection of Panel: 1/90 of span.
 - 3. Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.
 - 4. Fabrication: Formed true to shape, accurate in size, square, and free from distortion or defects; pieces of longest practical lengths.
 - 5. Corners: Factory-fabricated in one continuous piece with minimum 18 inch returns.
 - 6. Exterior Finish: Panel manufacturer's standard polyvinylidene fluoride (PVDF) coating, top coat over epoxy primer.
 - 7. Exterior Panel Back Coating: Panel manufacturer's standard polyester wash coat.

B. Exterior Panels:

- 1. Emco Preserve Double 4 Woodgrain or approved equal
 - a. Profile: Horizontal; style as indicated on plans.
 - b. Bandboard: 7" wide.
 - c. Side Seams: Double-interlocked, tight-fitting, sealed with continuous gaskets.
 - d. Material: Precoated steel sheet, minimum 22 gage thick.
 - e. Panel Width: 4 inches x 2
 - f. Color: As selected by Construction Manager from manufacturer's standard line.
- C. Internal and External Corners: Same material, thickness, and finish as exterior sheets;
 _____ profile to suit system; shop cut and factory mitered to required angles. Mitered internal corners to be back braced with ____ gage precoated sheet stock to maintain continuity of profile.
- D. Expansion Joints: Same material, thickness and finish as exterior sheets; ____ gage; manufacturer's standard brake formed type, of profile to suit system.
- E. Trim: Same material, thickness and finish as exterior sheets; brake formed to required profiles.
- F. Anchors: Galvanized steel.

2.02 MATERIALS

A. Precoated Steel Sheet: Hot-dipped galvanized steel sheet, ASTM A653/A653M Structural Steel (SS) or Forming Steel (FS), with G90/Z275 coating; continuous coil-coated on exposed surfaces with specified finish coating and on panel back with specified panel back coating.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install panels on walls in accordance with manufacturer's instructions.
- B. Install bandboard at front of house.

C. Fasten panels to structural supports; aligned, level, and plumb. **END OF SECTION**