**ADDENDUM ONE**

Peoria Park District ADDENDUM NO. 1

Planning, Design and Construction Department

1314 N. Park Road PROJECT TITLE: Barn and Cabin Roof Replacement

Peoria, IL 61604 W.H. Sommer Park

Telephone: (309) 686-3386

ISSUANCE DATE: 8/02/2016

LOCATION: W.H. Sommer Park

The proposed Contract Documents for this Work are modified as follows:

 I. **DRAWINGS**:

 N/A

 II. **PROJECT MANUAL/PROJECT SPECIFICATIONS**.:

 Add Specification Section 07317- CEDAR SHAKE ROOFING. Section attached.

 III. **INVITATION TO BID**:

 N/A

 END OF ADDENDUM NO. 1

 Addendum No. 1

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**SECTION 07317 – CEDAR SHAKE ROOFING**

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

 A. Drawings and general provisions of the Contract, including General and Supplementary

Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

 A. This Section includes the following:

 1. Removal of existing roof materials

 2. Wood shake roofing.

 3. Felt underlayment.

1.3 DEFINITIONS

 A. Roofing Terminology: Refer to ASTM D 1079 and glossary of NRCA's "The NRCA Roofing and

Waterproofing Manual" for definitions of terms related to roofing work in this Section.

1.4 SUBMITTALS

 A. Product Data: For each type of product indicated.

 B. Qualification Data: For Installer.

 C. Maintenance Data: For wood shakes to include in maintenance manuals.

1.5 QUALITY ASSURANCE

 A. Installer Qualifications: A qualified installer who is familiar with shake roof installation details and has installed at least 5 roofs similar to the roofs in this project.

 B. Source Limitations: Obtain wood shakes through one source from a single manufacturer.

1.6 DELIVERY, STORAGE, AND HANDLING

 A. Store underlayment rolls on end on pallets or other raised surfaces. Do not double-stack rolls.

 1. Handle, store, and place roofing materials in a manner to avoid significant or permanent

damage to roof deck or structural supporting members.

 B. Protect unused underlayment from weather, sunlight, and moisture when left overnight or when

roofing work is not in progress.

1.7 PROJECT CONDITIONS

 A. Weather Limitations: Proceed with installation only when existing and forecasted weather

conditions permit roofing to be performed according to manufacturer's written instructions and

warranty requirements.

1.8 EXTRA MATERIALS

 A. Furnish extra materials described below that match products installed and that are packaged

with protective covering for storage and identified with labels describing contents.

1. Wood Shakes: 2 bundles.

PART 2 – PRODUCTS

2.1 ROOF SHAKES

 A. Cedar Roof Shakes: Handsplit and resawn western red cedar shakes; split face and sawn

back.

 1. CSSB Grade: Number 1 grade

 2. Length: 24 inches

 3. Thickness: 3/4 inch at butt.

 B. Ridge Units: Site-fabricated units of same grade as shake, 9 inches wide; beveled,

alternately overlapped, and nailed.

 1. Type: Handsplit and resawn.

 2. Length: 24 inches.

 3. Thickness: 5/8 inch at butt.

2.2 UNDERLAYMENT MATERIALS

 A. Roof Felt Underlayment: ASTM D 226 or ASTM D 4869, Type II, asphalt-saturated organic felt, 30lb per 100 sq. ft.

 B. Roof Felt Interlayment: ASTM D 226 or ASTM D 4869, Type II, asphalt-saturated organic felt, 30lb per 100 sq. ft.

2.3 ACCESSORIES

 A. Roofing Nails: ASTM F 1667; stainless-steel wire nails, sharp-pointed, and of sufficient length

to penetrate a minimum of 3/4 inch into sheathing.

 1. Use box-type nails for wood shakes.

 2. Where nails are in contact with metal flashing, use nails made from same metal as

flashing.

 B. Felt Underlayment Nails: Stainless-steel wire nails with low-profile capped heads or disc caps,

1-inch minimum diameter.

PART 3 – EXECUTION

3.1 DEMOLITION

 A. Remove existing shakes, shingles, flashing, underlayment, and nails from existing building decks. Transport and dispose of materials off-site in a legal manner.

 1. Burning materials on-site is not permitted.

3.2 EXAMINATION

 A. Examine substrates, areas, and conditions for compliance with requirements for installation tolerances and other conditions affecting performance of work.

 B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.3 ROOF UNDERLAYMENT INSTALLATION

 A. Single-Layer Roof Felt Underlayment: Install single layer of 30 lb. roof felt underlayment on roof

deck perpendicular to roof slope in parallel courses. Lap sides a minimum of 2 inches

over underlying course. Lap ends a minimum of 4 inches. Stagger end laps between

succeeding courses at least 72 inches. Fasten with felt underlayment nails.

3.4 METAL FLASHING INSTALLATION

 A. General: Install metal flashings and other sheet metal to comply with requirements in Division 7

Section "Sheet Metal Flashing and Trim."

 1. Install metal flashings according to wood roofing recommendations in NRCA's "The

NRCA Roofing and Waterproofing Manual."

 B. Replace all existing flashing with 26 ga. painted aluminum flashing or 26 ga. galvanized and painted steel.

3.5 ROOF SHAKE INSTALLATION

 A. Install wood shake roofing according to manufacturer's written instructions, recommendations in

CSSB's "Design and Application Manual for New Roof Construction," and recommendations in

NRCA's "The NRCA Roofing and Waterproofing Manual."

 B. Install single-layer wood shake starter course along lowest roof edge. Extend starter course 1

inch over fascia and 1 inch over rake edge.

 C. Install first course of wood shakes directly over starter course and in continuous courses across

roof deck. Install second and succeeding courses of wood shakes in continuous straight-line

courses across roof deck. Extend 1 inch.

 1. Install 18-inch wide strip of roof felt interlayment over top portion of first and

each succeeding course trim to follow edge of shakes. Set bottom edge of roof felt

interlayment at a distance of twice the weather-exposure dimension above the shake

butt. Stagger fasten to roof deck with felt underlayment nails.

 2. Offset joints between shakes in succeeding courses a minimum of 1-1/2 inches.

Limit alignment of vertical joints in every third course to not exceed 10 percent of joints.

 3. Space shakes a minimum of 3/8 inch and a maximum of 5/8 inch apart.

 4. Fasten each shake with 2 nails spaced 3/4 to 1 inch from edge of shake

and 1-1/2 to 2 inches above butt line of subsequent course. Drive

fasteners flush with top surface of shakes without crushing wood.

 5. Maintain weather exposure of Max. 10 inches for 24-inch-shakes.

 D. Open Valleys: Cut and fit wood shakes at open valleys, trimming upper concealed corners of

shakes. Maintain uniform width of exposed open valley from highest to lowest point.

 E. Ridge Vents: Install continuous ridge vents over wood shakes according to manufacturer's

written instructions. Fasten with roofing nails of sufficient length to penetrate sheathing.

 1. Fasten ridge units to cover ridge vent without obstructing airflow.

END OF SECTION 07317