

**BOONE MEMORIAL HOSPITAL
BOONE COUNTY, WEST VIRGINIA
FARMERS MARKET AND GREENHOUSE**

**ADDENDUM #4
DECEMBER 27, 2023
THRASHER PROJECT #060-10310**

TO WHOM IT MAY CONCERN:

A Pre-Bid Conference was held on Tuesday, November 28, 2023, on the above-referenced project. The following are clarifications and responses to questions posed by contractors for the above reference project.

- A. GENERAL**
THE BID OPENING HAS BEEN EXTENDED TO 3:00 P.M. ON WEDNESDAY, JANUARY 3, 2024.
- B. SPECIFICATIONS**
SECTION 062600 – CHARRED WOOD SIDING
- C. DRAWINGS**
None
- D. QUESTIONS AND RESPONSES**
1. Is the Greenhouse supposed to be provided and installed by the General Contractor including the foundation, interior 4” aggregate base stone surfacing & stone veneer? Spec Section 011000 – Summary – 1.4 C – Separate Contracts – leads me to believe the Owner is contracting direct with the Greenhouse Manufacturer but then Drawing C6.05 provides the Greenhouse Spec.
 - A. The bid is to include ordering, manufacturing, delivery, and installation of the greenhouse in entirety. This includes the foundation, aggregate base stone, and stone veneer at the base.
 2. Drawing C3.01 calls for the grounds between the Stage, Greenhouse & Indoor Market to be concrete pavement but note #4 on Drawing A1.01 calls for masonry paver pedestrian area. If masonry pavers are required please provide area limits and detail?
 - A. No masonry pavers are included.
 3. Drawing C4.01 calls for the new sanitary sewer line to tie into an existing sanitary sewer manhole in Main St. in front of the Indoor Market. It appears this manhole does not exist and the only local manhole is to the left looking at the print from plan view. Should the tie-in location be changed to this manhole?
 - A. Yes
 4. Note #6 on A1.01 says to see Civil Drawings for the concrete ramp but the Civil Drawings do not provide any details for this ramp. Please advise.
 - A. C4.01 provides dimensions.
 5. Note #5 on A1.01 calls for a pedestrian ramp and it located at the Stage steps. Are we to provide a ramp in the stage steps?
 - A. Note #5 on A1.01 shall be revised as “Steps to Stage.” No ramp is to be provided.

6. Please clarify that the over excavation per Note #3 on Drawing S1.00 has been completed and approved.
 - A. Yes this work has already been completed.
7. The structural drawings call for wood framed walls but the Architectural Drawings call for metal stud framed walls. Please advise.
 - A. Metal Stud Framing shall be utilized on the exterior walls at locations except at framing of the interior spaces and equipment platform above. This should include framing along the exterior wall at these locations.
8. What thickness and finish is required for the grating on the mechanical platform shown on Drawing S1.01?
 - A. Finish shall be galvanized. Thickness is based on metal grating (19W4)
9. Is a 2-line rail with a toe plate acceptable at the mechanical platform?
 - A. A 2-line rail with toe plate is acceptable for the mechanical platform outside the building.
10. What type of exterior railing? Is it a 7-line rail with a grab rail?
 - A. Correct. A 7-line guardrail with handrail
11. Could you provide a detail for the equipment platform shown on A1.01?
 - A. The equipment platform is detailed in Section Detail 2/S2.03 and Section Detail 4/A3.02.
12. The plans show 2EA backflow preventers for the water. WVAWC typically requires these to be above ground if they are at risk of backflow contamination. The greenhouse would likely be a candidate for backflow contamination. When these devices are installed above ground, a "hot box" is typically required. The hot box requires a circuit to provide heat. The drawings do not show a hot box or the electrical circuit. Please verify if either or both of these backflow preventers will need hot boxes.
 - A. A hot box should be included for the water line that serves the greenhouse and we will move the backflow preventer to the greenspace adjacent to the greenhouse. The building already includes backflow preventers for domestic and fire service on the interior of the building per the MEP plans and details so removing the backflow preventer for the fire line is ok.
13. There is no specification on the water meter. Please provide.
 - A. The owner will coordinate the setting of new meters with WVAW.
14. There is no specification for the backflow preventers. Please provide.
 - A. Reduced-Pressure-Principle Backflow Preventers:
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 2.
 1. Conbraco Industries, Inc.
 2. FEBCO; SPX Valves & Controls.
 3. Watts Industries, Inc.; Water Products Div.
 4. Zurn Plumbing Products Group; Wilkins Div.
 3. Standard: ASSE 1013.
 4. Operation: Continuous-pressure applications.
 5. Pressure Loss: 12 psig maximum, through middle 1/3 of flow range.

6. Size: See drawings.
7. Accessories:
 1. Valves: Ball type with threaded ends on inlet and outlet of NPS 2 and smaller; outside screw and yoke gate-type with flanged ends on inlet and outlet of NPS 2-1/2 and larger.
 2. Air-Gap Fitting: ASME A112.1.2, matching backflow-preventer connection.

15. The existing storm pipe we are connecting to appears to be a 12" instead of 18" after looking at the pipe penetration in the inlet across the street. Please verify. The 18" diameter pipe will require additional asphalt/concrete replacement.
 - A. We were told by the City of Madison the pipe is 18" at the 45 where the 12" line you are referencing connects to the other side of the street. For now keep the 18" in your price.

16. Is there a traffic control plan for installing the storm drainage and sanitary in the street? Will we be allowed to close the street?
 - A. Street closures will be allowed and must be coordinated with the City of Madison with ample notice. Appropriate road closure signage and detour signage should be provided by the contractor. The alley way behind the site can be used as a throughway when the street is closed.

17. Please verify the gas meter will be by Mountaineer Gas. Typically the gas company provides and installs the meters.
 - A. Gas meter will be provided by Southern Public Service Gas Company.

18. Please verify Mountaineer Gas will provide connection to the contractor installed line.
 - A. Gas company will set meter and provide connection. Contractor is responsible for installing service lines from tie in point to meters.

19. There is no construction entrance shown. The site is tight. Should we have an allowance for laydown stone/construction entrance stone?
 - A. This is up to the contractor. There is no permit requirement for this through WVDEP because the size of the site is below their permit threshold.

20. Specification 102800 calls for 24"x36" mirrors but the mirrors appear to be 18"x36" on drawing A4.01?
 - A. Contractors shall provide 24"x36" mirrors.

21. Do we provide all toilet accessories listed in the Spec Section 102800 or only what is called for on the toilet accessory schedule on Drawing A4.01?
 - A. Contractors shall only Provide Toilet Accessories Listed on the Accessory Schedule.

22. Is the enlarged plan for Toilets 104 & 105 the same as Toilets 102 & 103 shown on Drawing A4.01?
- A. Correct
23. There is no specification for the wood siding.
- A. See attached specification and design basis. Alternate siding options will be considered as part of the substitution process as approved equivalents.
24. Is the three coat flourpolymer required for metal roofing?
- A. No
25. Is the storefront to be center set or front set? Wall sections indicate front set; details show center set; specifications do not mention glazing pane.
- A. Windows shall be center set as displayed in details. Any exterior sill conditions shall be protected with metal flashings or drip edges.
26. Window schedule on A6.01 calls out glazing Types 1 and 3. There is a G1 mentioned in Para 2.04.A in the glazing spec. Is this the definition for Type 1? What is the definition for Type 3?
- A. Type 3 noted in the drawings shall be reference to Glazing Type G1. Glazing Type 3 (Type G1 in the specs) shall be the only type specified. Type 1 shall be omitted.
27. Is grass seed or sod to be included in the bid?
- A. Sod

E. CLARIFICATIONS

1. If you are turning in a bid in person a Thrasher representative will be present at 2:00 pm on January 3rd. Bids are due by 3:00 pm. If you are dropping off a bid early or mailing a bid it must be addressed to Ray Harell.

If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until **3:00 p.m.** on **Wednesday, January 3, 2024**, at **Boone Memorial Hospital** located at **701 Madison Avenue, Madison, WV 25130**. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.



Samual Rich, PLA
Project Manager



SECTION 062600 – CHARRED WOOD SIDING

PART 1 - GENERAL

1.1 RELATED WORK SPECIFIED IN OTHER SECTIONS

- A. Rough Carpentry: Section 06 10 00
- B. Finish Carpentry: Section 06 20 00
- C. Sheetmetal Flashing& Trim: Section 07 62 00
- D. Caulking & Sealing: Section 07 92 00
- E. Field Painting & Finishing: Section 09 90 00

1.2 SAMPLES

- A. In accordance with Section 01 33 00, submit 2 Samples of specified Siding.

1.3 PRODUCT DELIVERY

- A. Do not deliver Products to Jobsite until notified by General Contractor that Project is conditioned and prepared to handle and store Products without damage or discoloration.

1.4 PRODUCT STORAGE & HANDLING

- A. Protect against damage and discoloration.
- B. Do not expose Siding to direct sunlight or rain.
- C. Separate Siding bundles to promote air-circulation.
- D. Prior to installation, acclimate Siding at Project Site for at least 14 days.

1.5 TEMPERATURE

- A. Maintain 50°F minimum in interior spaces where Materials are located.

PART 2 - PRODUCTS

2.1 FURRING

- A. Material: Lumber
- B. Species: [Douglas Fir] [Pine]
- C. Grain: Mixed
- D. WWPA Grade: Construction
- E. Surface Texture: Smooth
- F. Size: See Drawings

2.2 SIDING

- A. Manufacturer (Basis-of-Design): Nakamoto Forestry; 4110 SE Hawthorne Blvd.; Suite 190; Portland, OR 97214-5246, USA; (503) 512-6780; Equitable substitute as approved by the architect.
- B. Brand: Pika-Pika with Linseed Oil Natural
- C. Species: Japanese Cypress (*Cryptomeria Japonica*)
- D. Grade: [Select]
- E. Exposed Face Grain: Flat
- F. Required ASTM E-84 Fire-resistance Rating Class: B
- G. Maximum Moisture Content at time of installation: 14%
- H. Shape: Shiplap

(Cont.)

- I. Nominal (Actual) Overall Size:
 - 1. Shiplap Edge Boards: 1x6 (9/16 x 5-5/16) inches
- J. Length: [12 ft.]

2.3 SIDING TRIM

- A. Material: Lumber
- B. Species: [Douglas Fir] [Western Red Cedar] [Cypress]
- C. Grain: Vertical
- D. WWPA Grade: [B & btr.]
- E. Maximum Moisture Content at time of installation: 12%
- F. Surface Texture: [Rough Sawn]
- G. Minimum Lengths:
 - 1. Opening & Standing Trim: 1-piece single-length
 - 2. Running Trim: Joints no closer than 12 ft. apart.

2.4 FASTENERS

- A. Type: Nails
- B. Manufacturing Standard: Fed. Spec. FF-N-105B
- C. Material: Stainless Steel
- D. Type: Ring or Spiral Shank with Blunt or Medium-diamond Point
- E. Minimum Length: 2 inches

2.5 ADHESIVE

- A. Type: Recommended by Paneling Manufacturer for conditions of use.

2.6 FACTORY-FINISH

- A. For Exterior Work:
 - 1. Material: [2 coats] Penetrating Oil Stain
 - 2. Stain Color: Linseed Oil
- B. Apply to [face] surfaces of each Member.

C. Air-dry Stain without artificial heat.

2.7 SIDING FABRICATION

A. Cut with sharp, ultra-fine, Carbide-tipped Finishing Saw.

PART 3 - EXECUTION

3.1 EXISTING CONDITIONS

- A. Verify that Structure and Surfaces to receive Siding are straight, plumb, true, solid, rigid, dry, and otherwise properly prepared.
- B. Prior to starting Work, notify General Contractor and Architect about defects requiring correction.
- C. Do not start Work until conditions are satisfactory.

3.2 PROTECTING ADJACENT WORK

A. Protect against damage and discoloration caused by Work of this Section.

3.3 FURRING INSTALATION

- A. Install Perpendicular to direction of Siding
- B. Space 16 inches o.c. maximum.
- C. Locate Joints over solid bearing.
- D. Secure to Substrate with Fasteners.

3.4 LAYOUT

- A. Wall Siding: Vertical. See Drawings
- B. Exterior Soffits: Run perpendicular to adjacent Walls.

3.5 SIDING INSTALLATION

- A. Follow Siding Manufacturer's instructions.
- B. Fit neatly at Joints and against Trim.
- C. Accurately scribe to adjacent Surface irregularities.
- D. Locate Joints over solid bearing.
- E. Fit accurately and neatly around any Projections through Siding.
- F. Secure Siding with 2-each face-applied Fasteners located 1 inch from each Board-edge, and spaced 16 inches o.c. (max.)
- G. Drive Fasteners flush with Siding face.
- H. Trim External Corners as shown on Drawings.

3.6 TRIM INSTALLATION

- A. Install as shown on Drawings.
- B. Fit carefully at Joints and against other Members.
- C. Locate Joints on Solid Bearing.
- D. Bevel-cut and glue End Joints.

3.7 TOUCH-UP

- A. Touch-up Field-cuts.

3.8 PRODUCT CLEANING & REPAIRING

- A. Wipe exposed Siding surface with clean and wet Rag to remove any Soil or Foreign Matter.
- B. Including Work of other Trades, clean, repair and touch-up, or replace when directed, Products which have been soiled, discolored, or damaged by Work of this Section.
- C. Remove Debris from Project Site upon Work completion, or sooner if directed.

END OF SECTION



Installation Details

Overage

Please add a healthy overage ranging 15~20%, as shipping additional material can be expensive.

Fastening (Exterior)

Two ring or screw-shank headed face nails or screws per furring strip within 1" of each edge

Substrate (Exterior)

Rigid furring maximum 16" on-center

Installation Layout

Vertical or horizontal, all profiles

Dimensions & Grades Available

Select Grade				
SKU#	Profile	Length	Reveal	SF/pc
PA2112	6" Lap	145 11/16"***	5 5/16"	5.33
PB2112	6" S3S	145 11/16"	5 11/16"	5.75
PE2112	8" Lap	145 11/16"	7 5/16"	7.33
PF2112	8" S3S	145 11/16"	7 11/16"	7.75
Premium Clear Grade				
SKU#	Profile	Length	Reveal	SF/pc
PD2112	6" Lap	145 11/16"	5 5/16"	5.33

** 72", 96", 120" lengths sometimes available

Prefinish Specifications

Prefinish Option	1 Coat Traditional Linseed Oil
Prefinish Color	Natural
Exterior Application	Yes
Interior Application	No
Back-Oiling Option	Available
2nd Coat Oil Option	Not available
Shop-Applied Fire Retardant	Available
Pressure Treated Fire Retardant	Not available



Manufacturer

Nakamoto Forestry North America

Warehouse and Office (By Appt Only)
6400 SE 101st Ave Unit 2C & 3C
Portland Oregon 97266
Tel. (503) 512-6780

Mailing and Billing
4110 SE Hawthorne Blvd. #190
Portland Oregon 97214

Pika-Pika with Linseed Oil NATURAL (previous SKU# NM1710)

Yakisugi "shou sugi ban" siding. Wire-brushed, textured surface, with all loose soot removed revealing a striped pattern. Suitable for exterior applications. Delivered ready to install.

Product does not shed soot after installation

Copy and Paste into Appropriate CSI Division

SECTION 06 26 00 or 07 46 00

CHARRED WOOD SIDING

Surface & Texture

Pika-Pika is a surface with deep wire-brushed topography of soft early wood valleys and burnt late wood ridges.

Species

Cryptomeria japonica, a monotypic genus in the Cypress family native to Japan. The Japanese name is "Sugi" (as in yakisugi and shou sugi ban), and in the West it is colloquially known as "Japanese Cedar".

Wood Grade

Select - JAS "Small Knot" grade allows for up to 20 tight or 10 dead knots per 79" (2m) board length. Unlimited combination of heartwood and sapwood, pith allowed. Checks allowed to 1/16" as long as plank stability, weather-resistance, and cosmetics are not adversely affected.

Premium Clear - JAS "Joko Mubushi" grade allows for up to 4 tight or 3 dead pinhole knots per 79" (2m) board length. Unlimited combination of heartwood and sapwood, no pith allowed. Checks allowed to 1/16" as long as plank stability, weather-resistance, and cosmetics are not adversely affected.

Fire Resistance

Pika-Pika tests to ASTM E84 and UL723 Class B Flame Spread and Smoke Developed without fire retardant. Species tests to CAN/ULC S102-10 FS of 25 and SDC of 60 without fire retardant. Acceptable for Calfire WUI zone exterior applications as cladding over a 60-minute Class A wall assembly.

Moisture Content

Air dried then kiln dried to 11~14% MC, but may fluctuate during transport or warehousing. Please acclimate on site for two weeks prior to installation.

1x6 Shiplap Dimensions

- Nominal 1x6x12
- 5 5/16 inches (135mm) actual reveal
- 145 11/16 inches (3700mm) actual length
- 5.33 SF/piece

1x6 Square Edge Dimensions

- Nominal 1x6x12
- 5 1/16 inches (145mm) actual reveal
- 145 11/16 inches (3700mm) actual length
- 5.75 SF/piece

1x8 Shiplap Dimensions

- Nominal 1x8x12
- 7 5/16 inches (185mm) actual reveal
- 145 11/16 inches (3700mm) actual length
- 7.33 SF/piece

1x8 Square Edge Dimensions

- Nominal 1x8x12
- 7 1/16 inches (195mm) actual reveal
- 145 11/16 inches (3700mm) actual length
- 7.75 SF/piece

*Dimensional shrinkage after manufacture is possible due to being a solid-sawn wood product.

