Attahcment 05

Green Hedges School
Tongue & Groove Wood Fencing Option

Prepared for Green Hedges School

Prepared by Unisource Services LLC

Date: June 23, 2026

Based on supplier coordination with Scott Wheeley of 84 Lumber, Unisource confirms that the new wood fencing can be custom-built with tongue and groove (T&G) features. The proposed material direction is a Southern Yellow Pine, above-ground pressure-treated T&G board option in nominal 2x6 dimensions, installed vertically with the interlocking T&G profile to create a more continuous privacy-fence appearance. The attached manufacturer literature is organized for review and markup.

Proposed custom-built fence concept
Fence boards: Vertical T&G boards, nominal 2x6 Southern Yellow Pine, above-ground pressure-treated lumber. Available profile options include V one side, Sloppy V, Square Edge, and V two sides.
Posts: 4x4 square posts are proposed as the base condition. Alternate decorative post tops may be reviewed, including chamfered or French Gothic top profiles.
Rails: 2x4 top and bottom rails are proposed to support the vertical board layout. Final attachment method, fastener type, and blocking requirements are to be coordinated with manufacturer recommendations and applicable code.
Height and grade alignment: The bottom of the fence is intended to follow the site ground elevations, while the top of the fence is intended to remain uniform at a single height elevation. Custom fence height options of 6 ft and 8 ft are available for review.

Review note: Any lumber component that is embedded, in direct soil contact, or exposed to repeated trapped moisture should be verified for the appropriate treatment category and fastener/hardware compatibility before final procurement.

Narrative for Review

Unisource proposes the T&G option as a viable custom wood-fence approach for the Green Hedges School buffer fencing scope. The selected board style can provide a tighter, more finished privacy-fence appearance than standard separated pickets, and is also the recommended system of the sound engineer due to its compact design and sound mitigation properties.

The fence boards would be installed vertically. The intended layout is to follow existing site grade at the bottom of the fence while maintaining a uniform top-of-fence elevation across the run. The final top elevation can be reviewed as either a 6 ft or 8 ft custom-built fence height, subject to the Studio 39 drawings, jurisdictional requirements, and Owner approval.

The base post option is a 4x4 square post. Decorative post-top alternates are available for consideration, including chamfered and French Gothic style tops. Top and bottom 2x4 rails are proposed for board support and alignment. Final post spacing, rail orientation, embedment/anchoring, drainage clearance, and fastener selection should be coordinated during final detailing.

Feature	Basis of Review	Available Options / Notes
T&G board profile	Culpeper T&G profile literature	Nominal 2x6 boards in V one side, Sloppy V, Square Edge, or V two sides profiles.
Wood species / treatment	Supplier-coordinated material option	Southern Yellow Pine, pressure-treated for above-ground use for vertical T&G fence-board application. Posts should be treated appropriately for actual ground contact or embedment condition.
Fence height	Custom-built fence work	6 ft and 8 ft height options available for review. Top of fence to be held uniform at the selected elevation.
Post appearance	Culpeper fencing options	Base: square 4x4 post. Alternates: chamfered or French Gothic post-top profiles.
Rails / support	Proposed field-built assembly	2x4 top and bottom rails, with final fasteners and connection detailing coordinated with manufacturer recommendations and code.

Suggested markup process: Use this PDF to highlight the required T&G features, post-top preference, rail condition, height selection, gate matching requirements, and grade/top alignment requirements called for in the Studio 39 Buffer Revision drawings

One-Page Summary: Matching Wood Gate

R-T Segment - Sheet C-010A

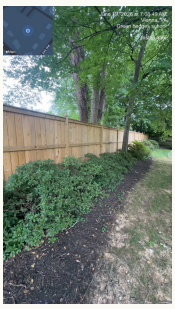
Unisource will custom-build a wood gate along the fence line shared with 213 Nutley to match the existing wood fence condition. The intent is for the gate to read as part of the existing fence line, matching the existing wood species or approved closest match, fence-board style, trim/rail proportions, overall fence height, and natural wood appearance.

Gate scope	Proposed matching approach
Design intent	Custom-built wood gate to integrate with the existing fence along the 213 Nutley fence line, rather than introducing a different prefabricated gate style.
Match criteria	Match existing wood species or approved closest match; vertical board layout; rail/trim proportions; top elevation; and fence height. Final height and exact dimensions to be field verified.
Gate construction	Build gate leaf with wood vertical infill boards and framed rails to align visually with the adjacent fence. Reinforcement, bracing, post sizing, and hinge/latch requirements to be coordinated based on opening width and expected use.
Posts and hardware	Install or reinforce gate posts to support hinge and latch loads. Use exterior-rated hinges/latch hardware in a finish selected to coordinate with the existing fence and Green Hedges School security/access requirements.
Field coordination	Confirm rough opening, swing direction, latch side, lock/keypad requirements if any, ground clearance, grade transitions, and any conflicts with existing trees, landscaping, or adjacent construction.

Basis of visual review: the uploaded field/reference photos show a matching wood gate concept with vertical infill, horizontal rails, wood posts, and exterior gate hardware, plus the existing Green Hedges School fence run where the gate is to be installed.

Reference: sample 4'W gate will match existing front and rear profiles of existing fence at 213 Nutley

Site reference: existing fence 213 Nutley; front facing



Site reference: existing fence 213 Nutely; rear facing

Final acceptance should be based on Owner/Architect review of the field conditions, Studio 39 drawings, and a confirmed gate opening layout before fabrication.

Attachment Index

The following documents are attached behind this cover package in a review order that starts with the proposed T&G profile options, then general fencing/post references, treatment and fastener guidance, installation handling guidance, and the SDS. A one-page R-T segment gate summary is included in the front matter for Owner/Architect review.

Attachment	Document	Purpose for Review
A	Culpeper T&G and Custom Milling Profiles	Identifies nominal 2x6 T&G profile options: V one side, Sloppy V, Square Edge, and V two sides.
B	Culpeper Fencing	Shows fence-board, panel, post, and decorative top options, including square, chamfered, and French Gothic post profiles.
C	Culpeper Treatment Options	Provides overview of available treated lumber product families, including MCA/MicroPro.
D	Culpeper Fastener and Hardware Usage	Provides manufacturer guidance for fasteners and hardware compatibility with MCA-treated lumber.
E	T&G Porch Flooring, T&G and Custom Milling Installation Guide	Included only as supplemental handling, fastening, and T&G engagement guidance. Final fence-specific detailing should be confirmed by supplier/manufacturer and design team.
F	MicroPro MCA Treated Wood Safety Data Sheet	Safety data for Micronized Copper Azole treated wood, including handling, PPE, storage, fire, and disposal information.

Note: Manufacturer literature included in this package is for review and coordination only. Final design responsibility, code compliance, and suitability for the specific application remain subject to architect/engineer review, Owner approval, and supplier/manufacturer confirmation.

Reference Appearance Image

The image below is included as a general visual reference for a vertical board privacy-fence appearance. It is not a final shop drawing and should not be treated as the exact installed condition.

Review intent: confirm desired vertical T&G board look, selected profile, post-top condition, rails, and height/grade strategy against the Studio 39 Buffer Revision drawings.

Attachment A

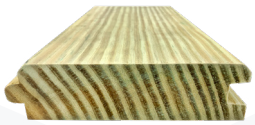
Culpeper T&G and Custom Milling Profiles

This attachment supports the T&G board profile selection, including the 2x6 nominal profile options reviewed for the custom fence boards: V one side, Sloppy V, Square Edge, and V two sides.

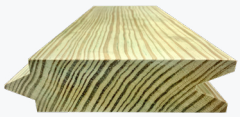
Document follows on next page.

CULPEPER TONGUE AND GROOVE

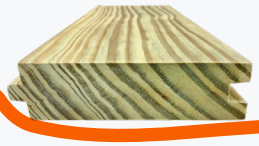
Culpeper tongue and groove boards consist of a "tongue" on one side and the interlocking "groove" on the other for easy installation. The tongue and groove style is a popular choice for porches, covered patio ceilings, wallcoverings, and siding.



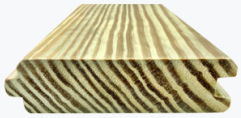
2x6 V ONE SIDE



2x6 SLOPPY V



2x6 SQUARE EDGE



2x6 V TWO SIDES

Attachment B

Culpeper Fencing

This attachment supports general fencing and post appearance review, including square, chamfered, and French Gothic post-top options.

Document follows on next page.

FENCING

POSTS

SQUARE

CHAMFERED

FRENCH GOTHIC POINTED

FRENCH GOTHIC REGULAR

LEARN MORE ABOUT CULPEPER FENCING
CULPEPERWOOD.COM/FENCING

FENCE PANELS

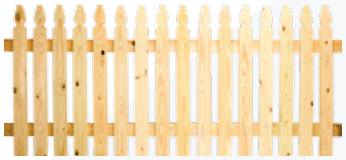
8′ and 6′ **PRIVACY** to match visual reference below

6′x8′ SHADOW BOX

6′x8′ FRENCH GOTHIC

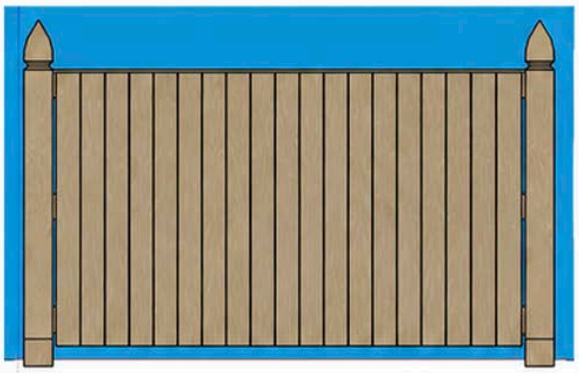
6′x8′ STOCKADE

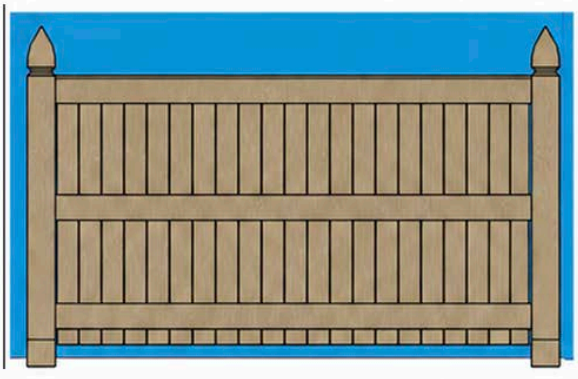
6′x8′ DOG EAR



42″x48″x8′ FRENCH GOTHIC SPACED PICKET

Primary visual references





888.817.6215 SALES@CULPEPERWOOD.COM CULPEPERWOOD.COM

CULPEPER TREATED LUMBER

Attachment D

Culpeper Fastener and Hardware Usage

This attachment supports fastener and hardware compatibility review for MCA-treated lumber in exterior assemblies.

Document follows on next page.

FASTENER AND HARDWARE USAGE

HOLD IT TOGETHER

CHOOSING THE PROPER FASTENERS AND HARDWARE

Lumber treated with micronized copper azole (MCA) offers many benefits, including improved corrosion performance. Culpeper MCA-treated pine exhibits corrosion rates on metal fasteners and hardware similar to CCA-treated lumber and untreated lumber. It's critical that you use the right fasteners and hardware for your project.

FOR INTERIOR OR EXTERIOR APPLICATIONS

Use fasteners and hardware that comply with manufacturer recommendations and building codes for their end use. Do not use MCA-treated lumber where trapped moisture or water can occur. Always use stainless steel fasteners for applications exposed to constant, repetitive, or long periods of wetting.

FOR EXTERIOR APPLICATIONS

Follow these recommendations for connectors, joist hangers, fasteners, and other materials in direct contact with exterior applications of MCA-treated lumber:

FASTENERS (NAILS, SCREWS, ETC.)

- Pressure treated ground contact with MCA Hot-Dip Galvanized ASTM - A 153 (1 oz./ft^2)
- Epoxy Coated Carbon Steel (Zinc Plated) AC-257
- Stainless Steel 304, 305 (Alloy Group 1) or 316 (Marine Grade)

HARDWARE (CONNECTORS, JOIST HANGERS, ETC.)

- Compliant with ASTM - A 653 G90 (0.90 oz./ft^2)

Consider other building materials within an assembly as well as environmental factors when selecting fasteners and hardware for a project containing treated lumber.

Type 304, 305, and 316 stainless steel fasteners and hardware are required for below grade permanent wood foundations and for other severe exterior applications such as swimming pools, saltwater exposure, etc.

ALUMINUM

Aluminum building products may be placed in direct contact with MCA-treated lumber used for interior uses and above-ground exterior applications such as decks, fencing, and landscaping. Examples include aluminum siding, roofing, gutters, door and window trim, flashing, nails, fasteners, and other connectors. However, direct contact of MCA-treated lumber and aluminum materials should be limited to code-compliant construction providing proper water drainage and prohibiting exposure to, or continual contact with, moisture, standing water, or water immersion. Additionally, to avoid pitting or other unwanted results, do not encase, seal, or wrap MCA-treated lumber with aluminum products where trapped moisture or water may occur.

Contact the aluminum product manufacturer for recommendations regarding use of the aluminum product when in contact with MCA-treated lumber in ground contact applications or when exposed to salt water, brackish water, or chlorinated water, such as swimming pools or hot tubs.

Check with the aluminum building product manufacturer regarding compatibility with other chemicals and cleaning agents.

WATCH FASTENER AND HARDWARE VIDEO
CULPEPERWOOD.COM/FASTENER-INFORMATION

888.817.6215 SALES@CULPEPERWOOD.COM CULPEPERWOOD.COM

CULPEPER TREATED LUMBER