

## FALL CREEK FALLS STATE PARK SIDING AND WINDOW REPLACEMENT FOR REC BUILDING

FALL CREEK FALLS STATE PARK

2009 VILLAGE CAMP ROAD

PIKEVILLE, TN 37367

Contractor is to furnish all labor, materials, equipment necessary to remove rotted siding and windows, replace 4 wooden doors, windows (remove approximately 62 windows and replace with approximately 23 windows), replace rotted T-111 with like thickness sheathing, replace rotted wood in structure of building and around all windows, and paint new siding and trim. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEASUREMENTS AND QUANTITIES.

Contractor is to remove all windows and any rotted T-111 siding and rotted structural wood. New sheathing of equal thickness shall be installed to replace any rotted T-111 siding.

Gutters will be removed during the installation of siding and then reinstalled.

### SIDING

Vapor barrier will be installed over the existing T-111 once all rotted areas have been repaired. Contractor will then install new pre-finished Hardie Plank Lap Siding- James Hardie, Allura Lap Siding, or equal. The color of the siding and trim will be picked by the park manager. All trim will be replaced. Any trim, interior or exterior, that is not pre-finished, is to have (1) coat of primer & (2) coats of paint. The primer and paint is to be as good as or equal to Porter Permanizer, Sherwin Williams Duration. The exterior color is to match, and the interior color is to match. Exterior restroom doors, large swinging doors, posts, porch ceilings and any area that is currently painted shall be painted to match new siding and trim.

### DOORS

Contractor is to remove 4 wooden doors, frames and replace with metal doors and frames. Approximate size of doors is 3068. New doors are to be Steelcraft L20 Door Series, Armor Door or equal. Doors shall be keyed to match existing lockset. Doors shall be painted a color selected by the Park Manger. The doors shall be energy star rated and meet the guidelines for the North-Central climate zone.

Door shall have a U-factor of .29 Door shall be certified to the new UL Environment UL ISR 102 standard

### WINDOWS

All small windows located below the bigger window and the medium window on the back side will be removed, sheathing shall be installed and then siding will be installed over the openings.

Windows shall be Energy Star rated.

To improve the thermal performance of insulated glazing (windows with two or more panes of glass), the space between the panes shall be filled with an inert gas, such as argon or krypton, which has a higher resistance to heat flow than air.

Windows shall have NFRC-certified U-Factor and, where applicable, SHGC ratings at levels which meet or exceed the minimum qualification criteria specified in the table below. Also, Windows and Skylights shall meet the criteria for a given Energy Star Climate Zone.

Energy Efficiency Requirements for Windows

Climate Zone U-Factor SHGC Northern  $\leq 0.27$  Any North-Central  $\leq 0.30$   $\leq 0.40$

South-Central  $\leq 0.30$   $\leq 0.25$

Southern  $\leq 0.40$   $\leq 0.25$

Windows shall have Air Leakage ratings at levels which meet or exceed the minimum qualification criteria specified in the table below and adhere to the labeling requirements laid out below.

Air Leakage Requirements Product Air Leakage Rating Window, Sliding door, or Skylight  $\leq 0.3$  cfm/ft<sup>2</sup>  
Swinging Door  $\leq 0.5$  cfm/ft<sup>2</sup>

\*Windows, Sliding doors, and skylights shall demonstrate adherence to this requirement by either: (1) Displaying " $\leq 0.3$ " in the Air Leakage Portion of the NFRC temporary label OR (2) Placing one of the following labels on the product: a. AAMA Gold Label b. Keystone Certifications, Inc. NAFS Structural Certification Label c. National Accreditation & Management Institute, Inc. (NAMI) NAFS Structural Certification Label d. WDMA Hallmark Certification Label

Acceptable brand/models are ThermaStar by Pella 15 Series Vinyl Double Pane Double Hung Window Model # 1000006669, MGM Industries (Hendersonville, Tennessee), Series # 6000, 270 Argon filled <http://www.mgmindustries.com/mgm-product-catalog.php> or equal.

Install safety glass where required by codes.

Contractor is to remove all trash and debris and dispose of off park grounds.

Contractor will be responsible to repair, replace any damage to the buildings or grounds at no cost to the State of TN.

Contractor is to start work 20 days after receipt of purchase order has been issued and 60 days to complete this project.

Contractor is to furnish a 1year warranty on workmanship upon final inspection and acceptance by the State of Tn. Payment will be made after final inspection and acceptance has been issued.