

Iowa Department of Natural Resources  
Pikes Peak State Park, Clayton County  
26-03-22-04 Pikes Peak Roofing Replacements

Project Description:

Work consists of removing existing shingles on the store/shelter, restroom and kiosk and replacing with architectural asphalt shingles. Gutters will be added to areas around the store front, shelter access and restrooms.

GENERAL NOTES:

Verify actual locations and elevations with DNR Engineer.

Grass areas around the structures will be protected and minimally disturbed.

No work will be allowed from 12 noon Friday until the following Monday. No work on holidays. Approval may be allowed per the Iowa DNR Engineer and/or Park Manager.

Road to remain open while work is being performed.

All work shall conform to and be performed in accordance with all applicable codes and ordinances

The contractor shall visit the site and inspect the project area and thoroughly familiarize themselves with the actual job conditions prior to bidding and start of work. Failure to visit the project site shall not relieve contractor from performing the work in accordance to the plans, specifications, special provisions and contract.

The contractor shall verify, at the site, all dimension and conditions shown on the plans and shall notify the DNR Engineer of any discrepancies, omissions, and/or conflicts prior to proceeding with the work.

It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken asphalt/concrete) which is not desirable to be incorporated into the work involved on this project. No material shall be placed within the right-of-way, unless specifically stated in the plans or approved by the DNR Engineer.

The contractor shall not disturb desirable grass areas or desirable trees outside the construction limits. The contractor shall not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of the DNR Engineer.

Where utilities and fixtures are encountered within the construction area, it shall be the responsibility of the contractor to notify DNR Engineer of those utilities prior to the beginning of any construction. No claims for additional compensation will be allowed to the contractor for any interference or delay.

Ice guard, underlayment and drip edge installation will be incidental to the Architectural Asphalt Shingles.

Estimated Project Quantities			
ITEM NO.	ITEM	UNIT	TOTAL
1	Mobilization	L.S.	1
2	Demo-Existing Store/Shelter Roof	L.S.	1
3	Demo-Existing Restroom Roof	L.S.	1
4	Demo-Existing Kiosk Roof	L.S.	1
5	Roof Decking	EA	5
6	Architectural Asphalt Shingles-Store/Shelter	L.S.	1
7	Architectural Asphalt Shingles-Restroom	L.S.	1
8	Architectural Asphalt Shingles -Kiosk	L.S.	1
9	Gutters-Store/Shelter	L.S.	1
10	Gutters-Restroom	L.S.	1

Estimate Reference Information	
ITEM No.	DESCRIPTION
5	Item is in case there are spots of existing decking that need to be replaced
6	Approximately 27 squares
7	Approximately 14 squares
8	Approximately 7 squares
9	Approximately 100 LF at areas with pedestrian traffic
10	Approximately 64 LF at areas with pedestrian traffic

Approved List of Shingles – Contractor Must Submit On the Intended Shingle to Be Used.

Certainteed – Landmark Pro – Weathered Wood  
Owens Corning – Duration Designer – Summer Harvest  
Atlas – Pinnacle Pristine – Majestic Strike

Iowa Department of Natural Resources  
Engineering Bureau  
<http://programs.iowadnr.gov/engreal/>  
Manufactured Gutters and Downspouts  
077123 - 1  
SECTION 077123  
MANUFACTURED GUTTERS AND DOWNSPOUTS

## PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Zinc gutters and downspouts.

### 1.02 DESIGN REQUIREMENTS

A. Conform to SMACNA - Architectural Sheet Metal Manual; latest edition for sizing components for rainfall intensity determined by a storm occurrence of 1 in 100 years and as required by local building code.

### 1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Shop Drawings: Provide roof plan and roof eave wall sections. Indicate perimeter drain upstand locations, plug-in outlet and downspout locations, configurations, jointing methods, fastening methods, special component locations and installation details.

C. Samples: Submit one fascia bracket, one gutter, and one downspout sample, each 12" long where applicable, illustrating component design, finish, color, size, and configuration.

### 1.04 DELIVERY, STORAGE, AND HANDLING

A. Stack material restrained vertically. Prevent twisting, bending, or abrasion. Keep dry and provide ventilation.

B. Prevent contact with materials during storage and installation which may cause discoloration, staining or damage.

### 1.05 WARRANTY

A. Material Only Warranty: provide X-year limited warranty for Titanium-Zinc alloy from original rolling mill manufacturer. Warranty to cover the material quality of the sheet/ coil material used to fabricate sheet metal flashing & trim profiles appropriate for zinc installation.

B. Installation Warranty: provide X-year guarantee covering the proper material or product application preventing failure due to hot-water corrosion, damage due to inappropriate slip sheet, absorptive separation material, or other installer induced failure.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

A. Gutters and Downspouts:

1. RHEINZINK Preweathered Half-round Snap-Lock Gutter System with powder coated aluminum fascia mounting rail and snap-lock brackets.

a. prePATINA graphite-grey

2. RHEINZINK-PREPATINA graphite - grey round downspouts. Standard downspout profile to be smooth (without corrugations) with expanded hub ends for clean, tight, friction fit connections.

3. Substitutions: See Section 016000 - Product Requirements.

### 2.02 MATERIALS

A. RHEINZINK Gutters: 6" Half-round Profile as indicated on drawings.

B. RHEINZINK Downspouts: 4" smooth plain round profile to fit corresponding gutter size. All

downspouts, elbows, offsets and downspout accessories must be high frequency welded.

C. RHEINZINK Plug in Outlets: Funnel inlets at transition between half-round gutter and downspouts.

D. RHEINZINK prefabricated roof drainage accessories:

1. RHEINZINK 90° Miters: Preformed seamless, inside corner & outside corner
2. RHEINZINK Half-round Leaf Guard