

HONEY LEDGE STONE SMOOTH®

Nature's
most beautiful
and
durable
building
stone

ROCKY MOUNTAIN
QUARTZITE

A Classic Choice



Dove Canyon Clubhouse

ARCHITECTS LORIMER-CASE

Designed as part of a master-planned golf course community in South Orange County, California, the Dove Canyon Clubhouse is a two-story building of approximately 47,000 square feet. The building houses meeting facilities, dining and food preparation areas, a lounge, administrative offices, men's and women's locker rooms, a pro shop, and support amenities.

The Dove Canyon Clubhouse was designed to blend into a landscape of rocky foothills and gently sloping valleys. The golf course and the residential community of Dove Canyon are nestled in a valley with native chaparral, mature oak trees and wild grasses. The community of Dove Canyon was planned to appear to be part of this landscape.

The Clubhouse is sited between two hills, high above the golf course's 18th green. From the approach to the Clubhouse, visitors see a one-story building with broad overhangs. This wide roof rests on stone facades which anchor the building to the site. A porte cochere leads visitors into a grand lobby. The porte cochere roof is one end of a "spine" about which the floor plan of the Clubhouse is organized. A vaulted open-beam clerestory covers the "spine" as it runs the entire length of the building. The open plan of the Dove Canyon Clubhouse takes full advantage of its site by opening its interior spaces to surrounding views.

The upper level of the Clubhouse hosts such formal areas as the entry and main lobby, formal and banquet dining spaces, a lounge, library, administrative offices and food preparation facilities. The lower level of the Clubhouse is devoted to recreational activity and includes men's and women's locker rooms and health facilities, a grill with informal dining, a golf pro shop, and cart and bag storage. This level has direct access to a terrace overlooking the golf course and the valley below. The terrace provides outdoor grill dining and circulation space.



Material selection was of utmost importance to the success of the architectural design and to fitting the Clubhouse into the natural beauty of the valley and the coastal foothills. The typical image of Spanish-flavored Southern California architecture was deemed inappropriate in this environment. The materials had to be natural, durable and rich. Stone was the perfect choice for the exterior and interior of the Clubhouse due to the presence of the rocky foothills. Heavy timber framing, wood panelling and a copper roof complement the stone.

Rocky Mountain Honey Ledge, the name given to a high quality quartzite ashlar by the quarry, was selected at Dove Canyon. The cost of the stone was approximately \$168 per ton; each ton covering close to 30 square feet when laid mortarless to a depth of approximately eight inches. Quartzite ashlar was selected for its natural pattern, its durability, abrasion-resistance and its imperviousness. The long ashlar pattern of this stone helps to visually join the horizontal form of the clubhouse to its site and to the natural landscape. □

PROJECT: Dove Canyon Clubhouse, Dove Canyon, California.

ARCHITECT: Architects Lorimer-Case, San Diego, California. David T. Lorimer, AIA, President/Principal; Carlos Rodriguez, AIA, Project Designer; Roger L. Basinger, AIA, Designer; Rob Quisenberry, AIA, Project Manager; Joseph R. Marandola, AIA, Project Architect. OWNER: Garth L. Chambers, Dove Canyon Company, Dove Canyon, California. GENERAL CONTRACTOR: Christesen Company, Newport Beach, California. STONE QUARRIER: Gary Mullard, Northern Stone Supply, Oakley, Idaho. STONE SUPPLIER: Del Piso Brick & Tile, Anaheim, California. STONE INSTALLER: Krudwig Masonry, Santa Ana, California. PHOTOGRAPHY: David Hewitt, Anne Garrison, San Diego, California.



ROCKY MOUNTAIN QUARTZITE

Along the precipices of the high peaks of the Raft River Range of the Rockies, quartzites abound in a variety of color. Quarried are those with particular characteristics of shape and color with which man can build. Rocky Mountain Quartzite is quarried from vast reserves of this high quality quartzite located near the town of Oakley, Idaho.

The Rocky Mountain Quartzite quarry deposits are stratified as they were deposited in thin layers at the bottom of an ancient water body. Over a period of approximately one billion years, through heat, pressure and changes in the earth these sediments were metamorphosed into an unusual, rare and beautiful natural stone. This stone laminate is now at elevations to 7,000 ft. and the layers are as true in plane and as even as the day they were laid down. Only in a few spots on this

earth has nature been so careful in retaining the arrangement of a natural building material.

The sedimentary layers are of an even thickness for a given stratification but they vary from one to another as the amount of sediment washed in varied. Vertical beds with parallel lines are found in some areas of the deposits. These, broken, form ledge pieces.

In addition to Honey Ledge Stone Smooth used in the Dove Canyon Clubhouse, Northern Stone Supply, Inc. produces a wide variety of building stone, flagstone, landscape stone, and specialty stone products. Listed below are a few of the products that we quarry. For complete information and samples see your local dealer or contact us.

TYPE	GENERAL COLOR AND TEXTURE	APPROX. DIMENSIONS	APPROX. COVERAGE SQ. FT. PER TON
FLAGSTONE Sunset Gold	A light gold to dark gold color with swirls and patterns. Flat smooth sheets varying in size from 1 sq. ft. to 12 sq. ft.	¼" to ¾" thickness or ¾" to 1¼" flat smooth sheets varying in size from 1 sq. ft. to 10 sq. ft.	250 150
FLAGSTONE Sunset Silver	A light to dark silver grey color with occasional gold overtones.	¼" to ¾" thickness or ¾" to 1¼" flat smooth sheets varying in size from 1 sq. ft. to 10 sq. ft.	250 150
FLAGSTONE Charcoal	A dark charcoal grey color with occasional gold overtones.	¼" to ¾" thickness or ¾" to 1¼" flat smooth sheets varying in size from 1 sq. ft. to 10 sq. ft.	250 150
FLAGSTONE White Mist	An off-white with an occasional suggestion of green and gold.	¼" to ¾" thickness or ¾" to 1¼" flat smooth sheets varying in size from 1 sq. ft. to 10 sq. ft.	250 150
FLAGSTONE Lime Light Green	A light lime or sea green with typical mica fleck found in our flagstone.	¾" to 7/8" thickness or 7/8" to 1¼"	250 150
FLAGSTONE Garden Stepping Stones	Quarry run, mixed colors gold through white or lime light green.	1½" to 2" thickness 1 sq. ft. to 3 sq. ft.	75
HONEY LEDGE STONE Smooth	Relatively uniform rectangular shapes with fairly smooth faces. Color will vary from off-white to light greys and deep rusty color.	2" - 8" height 3" - 7" depth 8" - 20" length	35 - 40
HONEY LEDGE STONE Rustic	Relatively uniform rectangular shapes with rugged, bold, etched faces. Color is light grey, off-white to honey color with light rust overtones.	2" - 8" height 3" - 7" depth 8" - 20" length	35 - 40

TECHNICAL INFORMATION

ROCKY MOUNTAIN QUARTZITE is an exceptionally hard, metamorphic, silica colored by various elements such as manganese and iron oxides. It is very hard (5.8 to 7.4), weighs 160 to 170 lbs. per cu. ft., has a negligible porosity and no absorption. Crushing strength varies from 30,000 to 50,000 psi. Rocky Mountain Quartzite will stay clean! It is so hard that there is practically nothing that will stain it permanently.

ROCKY MOUNTAIN QUARTZITE has all of the best qualities found in natural stone...

- **EXTREMELY HARD** - will not flake off or weather under the most extreme conditions.
- **COMPLETELY NON-POROUS** - very easy to clean and keep clean.
- **COMPLETELY UNFADING** - forever.
- **NON-SKID QUALITY** - perfect for pool decks, entrance ways, walks, stair treads, etc.
- **READILY SPLITS** - into perfect true, flat sheets from ¼" thick and up.
- **WORKABILITY** - flat, true pieces are easily trimmed, minimizing installation costs.
- **BEAUTIFUL NEUTRAL COLORS** - blend with any type of design.

CLEANING AND SEALING. Ideally, all stone work should be cleaned with clear water as the work progresses. When it is necessary to remove dry mortar stains, a dilute muriatic acid solution or other masonry cleaners may be used to clean Rocky Mountain Quartzite without harmful effects to the stone. Because of the complete non-porous nature of Rocky Mountain Quartzite, sealers are not necessary to protect the stone, but in some cases it may be desirable to use a sealer to make floor maintenance slightly easier and to protect the mortar joints. Use only a type of sealer that is recommended for hard, non-porous stone. No matter what sealer is used, try a small area first to determine if the effect is desirable to you. Please call us for the latest and best information on sealers.

PLEASE NOTE: Natural stone may vary from shipment to shipment. Since we are constantly working different levels and stratas of our quarries we are never sure of the precise color and pattern that will come out. These subtle differences are simply part of mother nature's artwork. We suggest that you personally select your stone from your local dealers stock or in the case of larger jobs you are welcome to visit our quarries and yards to make your personal selection.

YOUR LOCAL DEALER



NORTHERN STONE SUPPLY, INC.

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