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ROBERT SINGER & ASSOCIATES

design consultants lighting specialist

Robert Singer & Associates, Inc., established in 1981, is an award winning lighting design firm specializing in high end residential and commercial projects throughout the world. RSA's base office is located in Aspen, Colorado with a branch office in Scottsdale, Arizona. Many of RSA's award winning projects have been featured in several design publications and books. Robert Singer & Associates is a member of IALD, IES, US Green Building Council and is also a LEED Certified Company.

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WAINSCOTT RESIDENCE

The design of this modern home sought to optimize both the indoor and outdoor spaces. Great attention was given to both the lighting and architecture at the exterior living spaces. Linear slot lighting harmonizes with the structured design and manicured landscape. Uplights and downlights are used in conjunction with sculptural and art elements, creating points of interest with intense highlights and shadows. Completely lamped with LED sources, this remodel greatly reduced its energy consumption with custom details that accentuate the updated architectural forms. A fully integrated control system assists with energy savings and ease of use.

The exterior to interior transitions are showcased with open window walls allowing free movement throughout. Floating horizontal planes and linear accents are carried from one location to another with uplights and downlights creating accents for artwork. The control system provides easy access for the color changing pool lights.

ARCHITECTURE— Zone 4 Architects

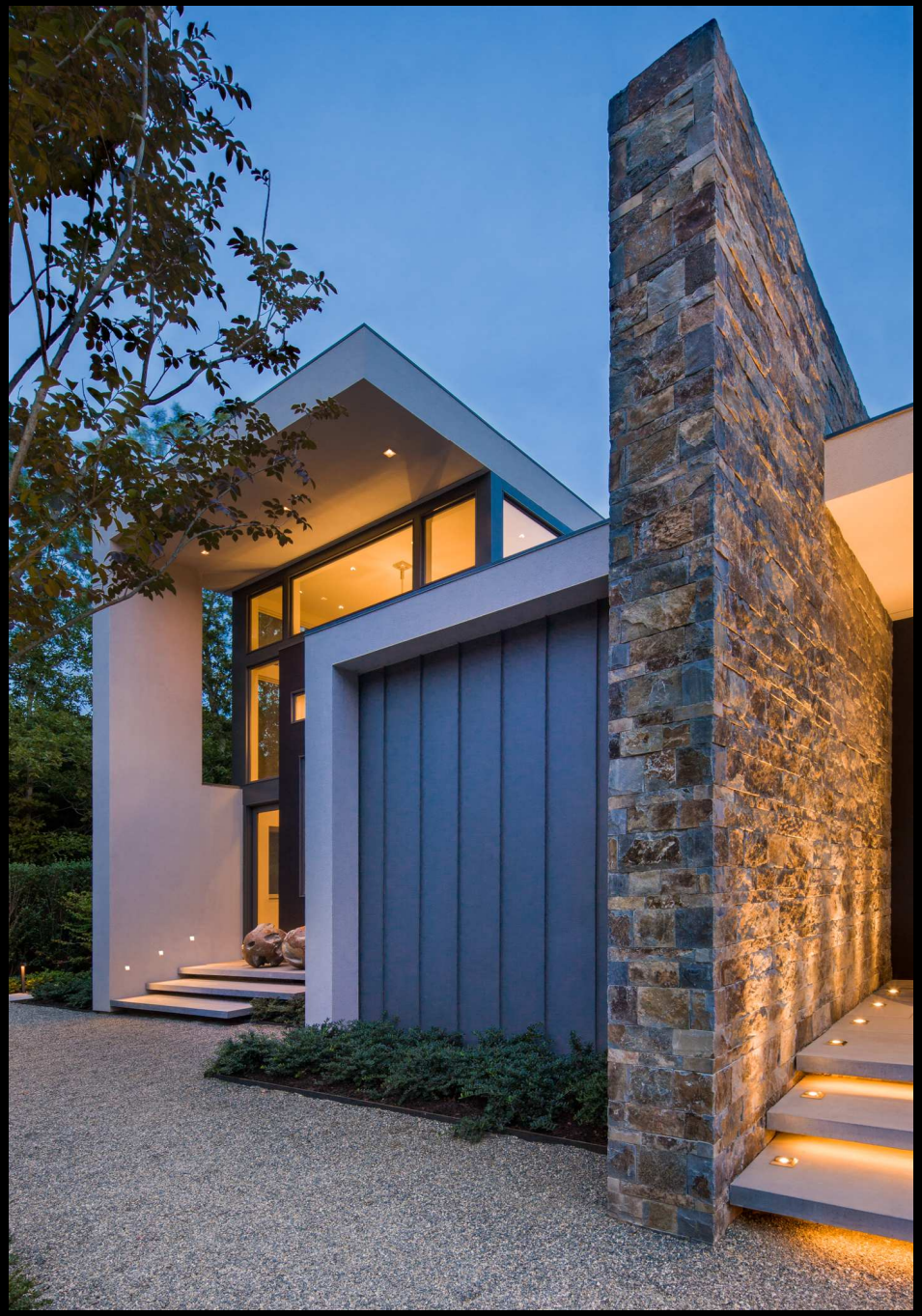
INTERIORS— Home Owner

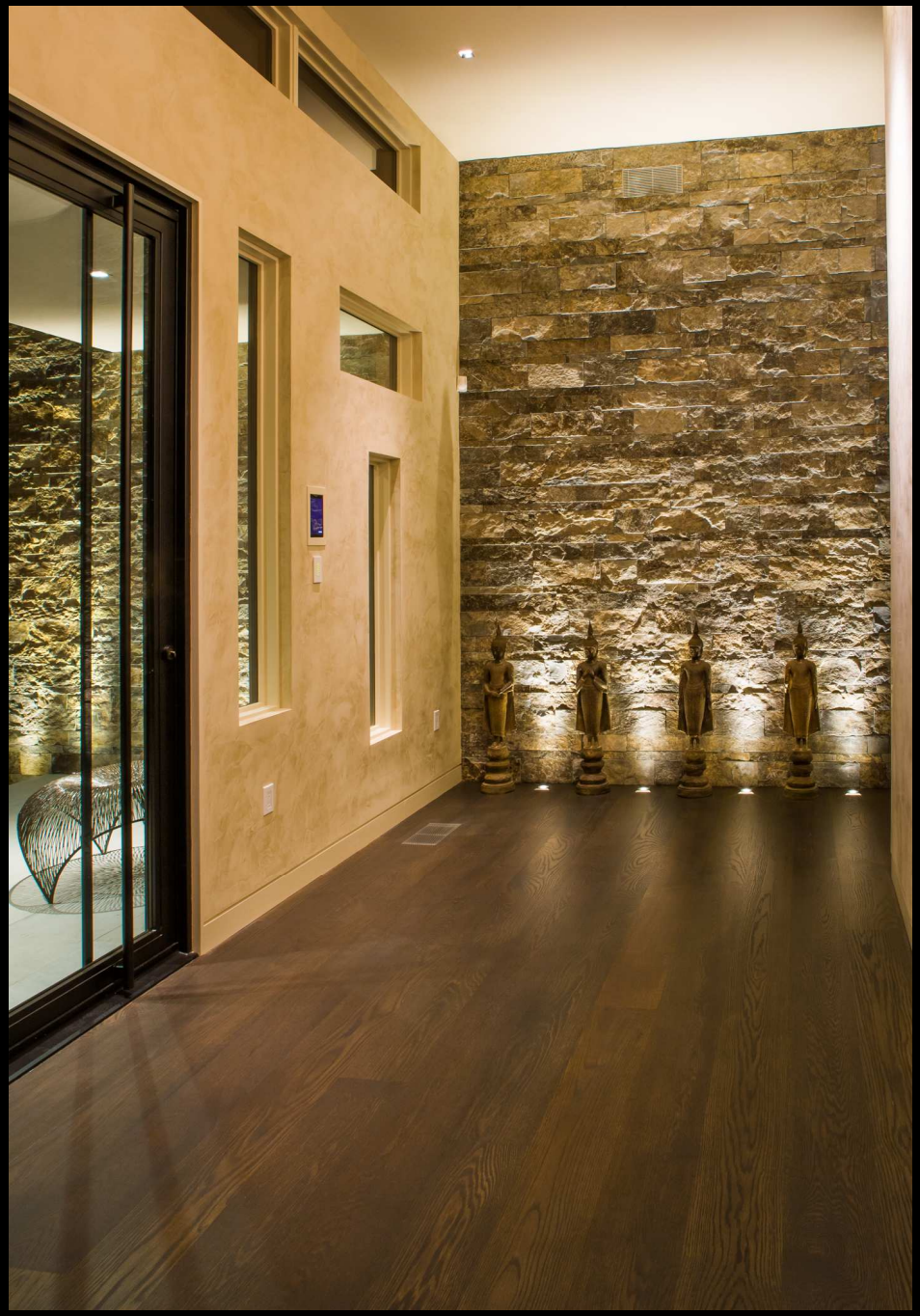
LANDSCAPE ARCHITECTURE— Marta Fry Landscape Associates

PHOTOGRAPHY— Steve Mundinger

2015 Winner of the Brilliance Award

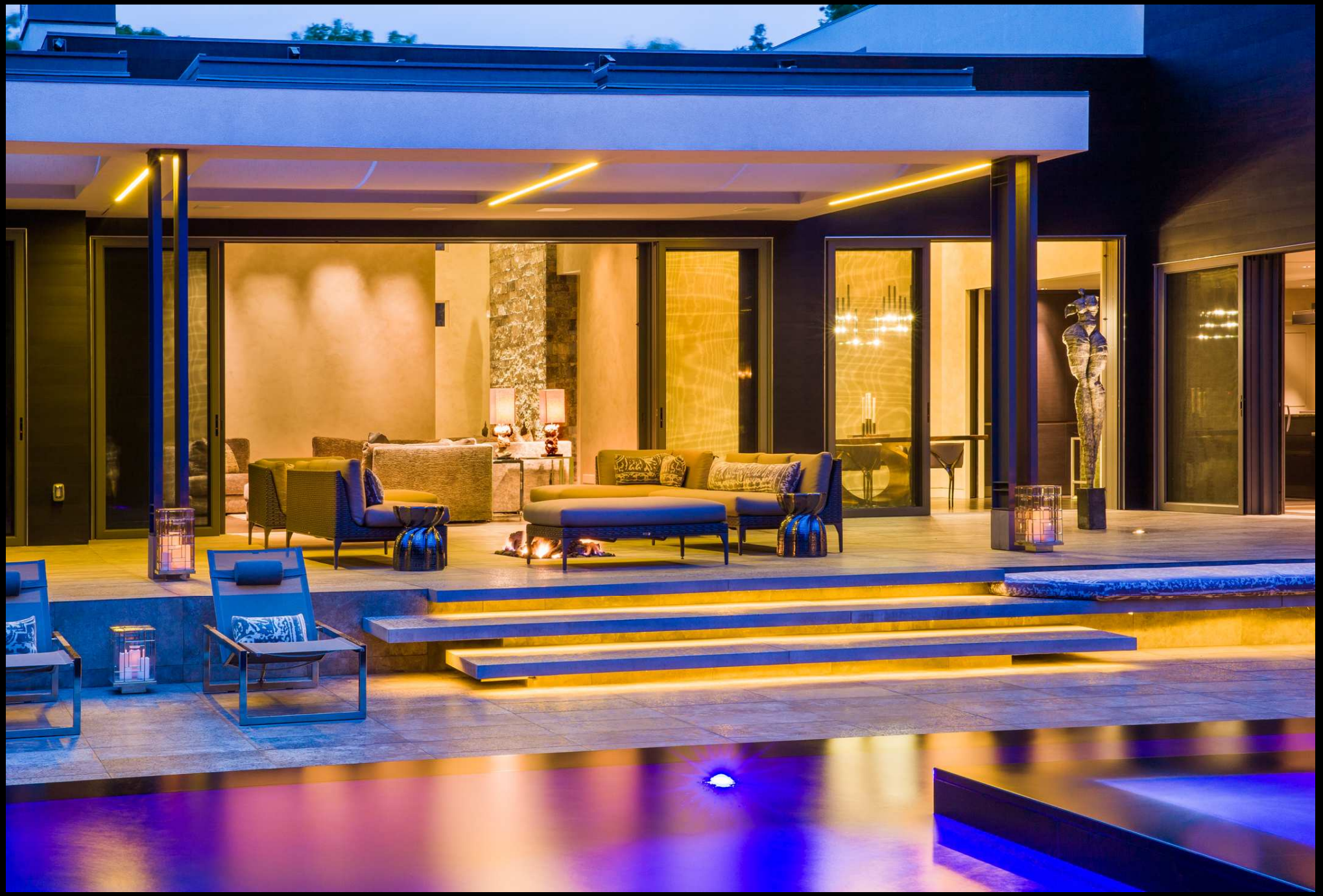
Linear forms are emphasized with under step LED’s leading to the entry of the home. Downlights provide general illumination and accent to furnishings.



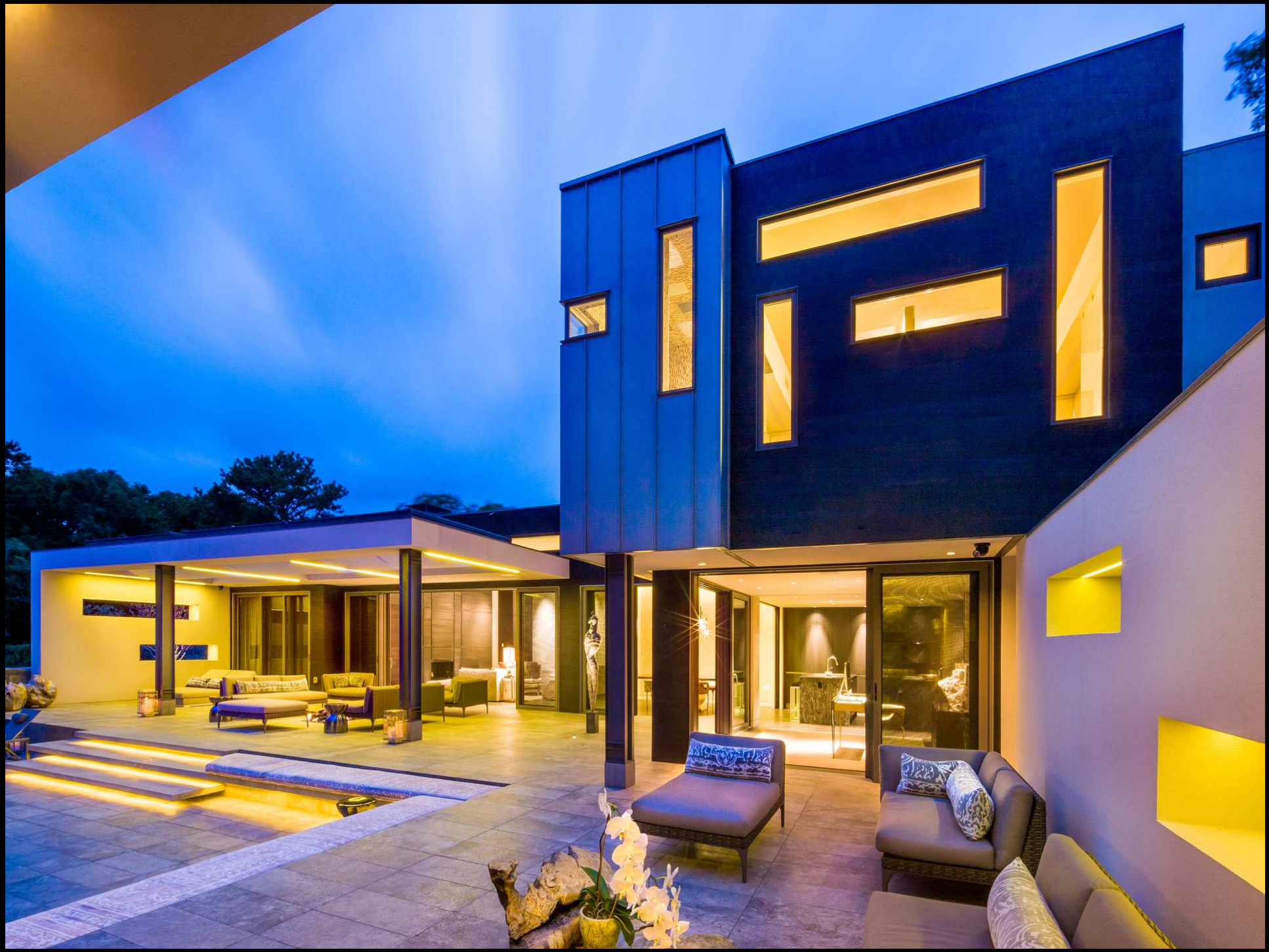


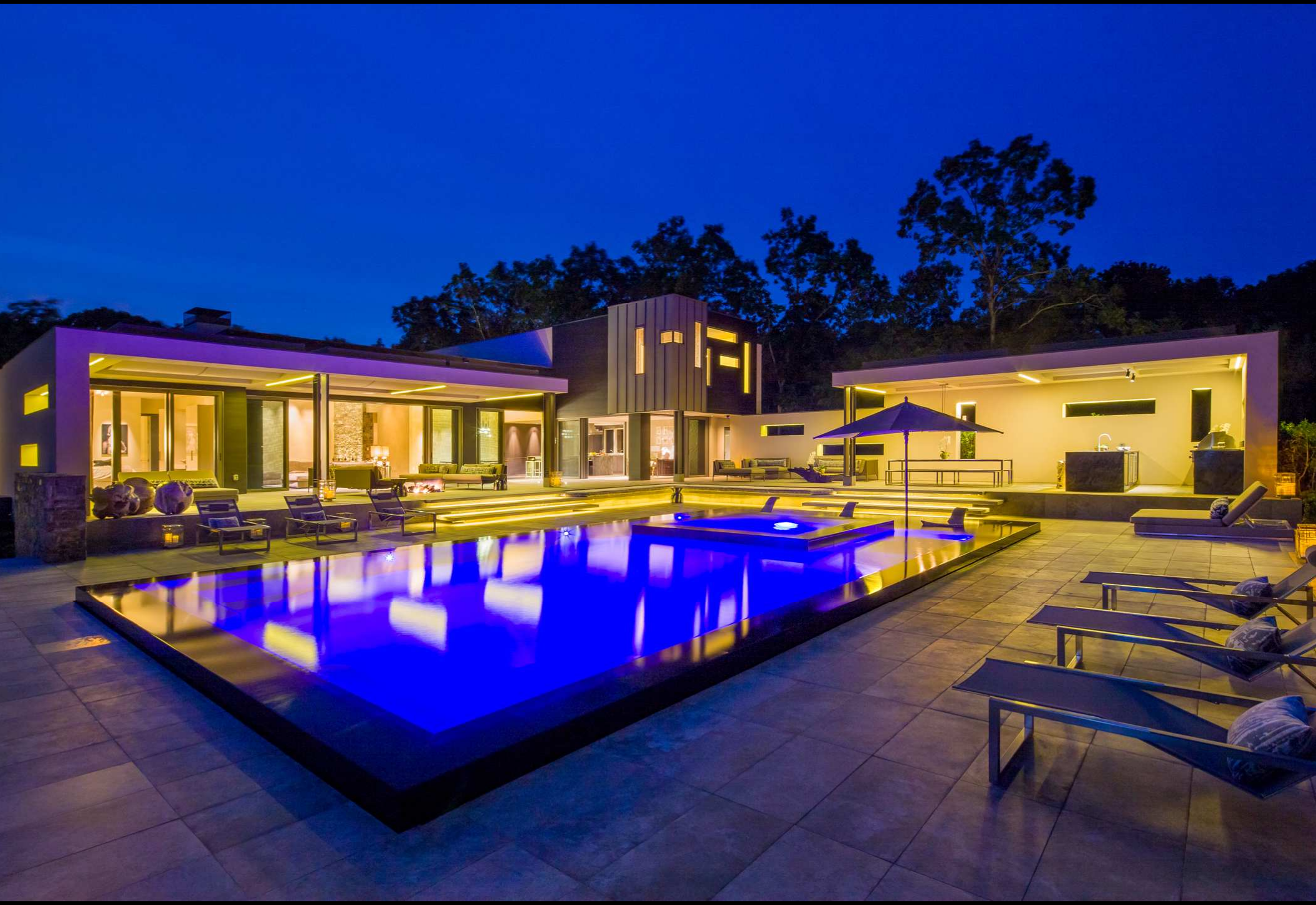
Ingratiated LED uplights grazes the stone wall, developing the indoor to outdoor theme while creating depth and accenting sculptures.

The transition from the interior to the exterior is best viewed with the sliders completely open. A comfortable seating area on the interior leads to another on the exterior.



Under step lighting creates floating planes that harmonize with the architecture and provides safety illumination.





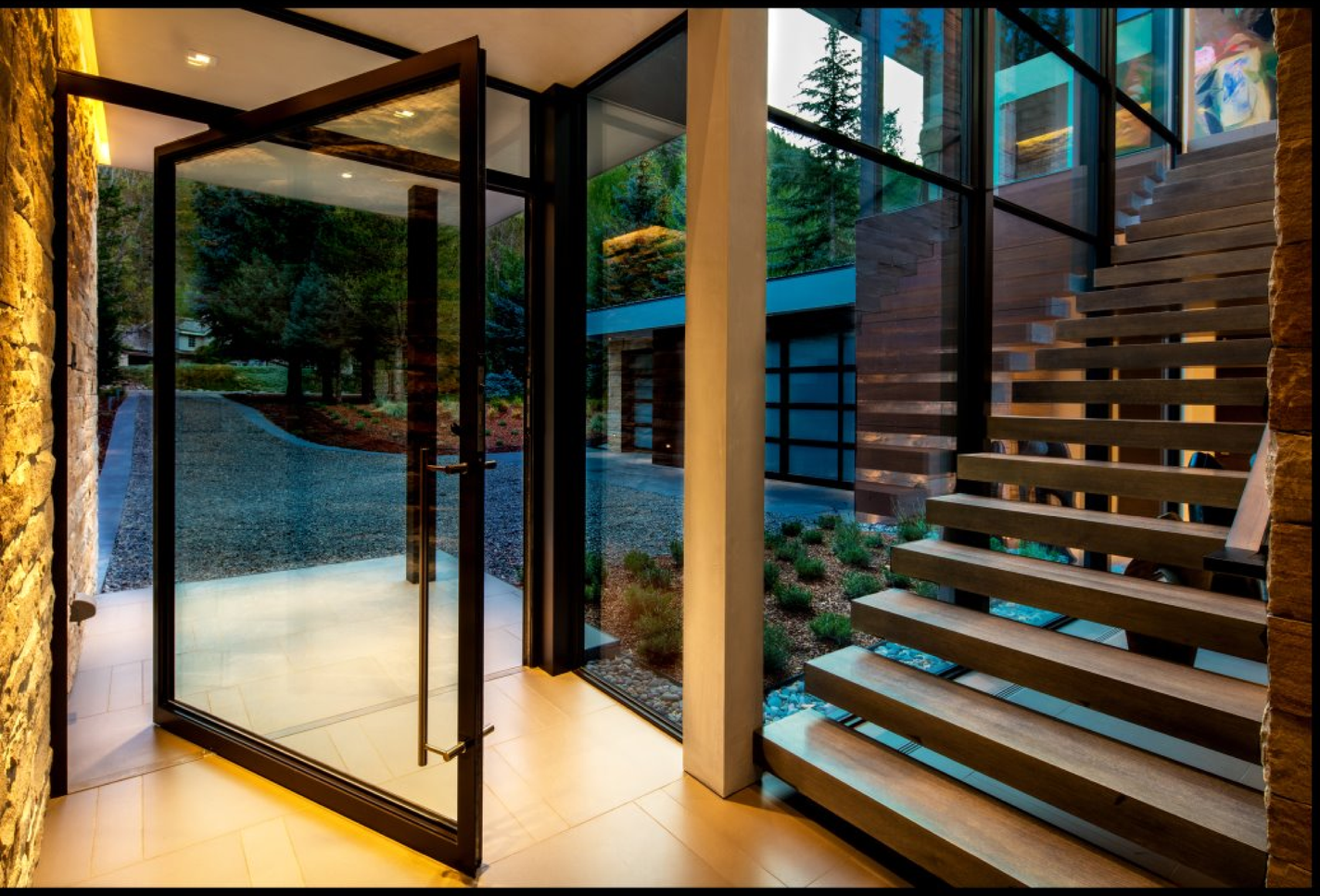
RED BUTTE RESIDENCE

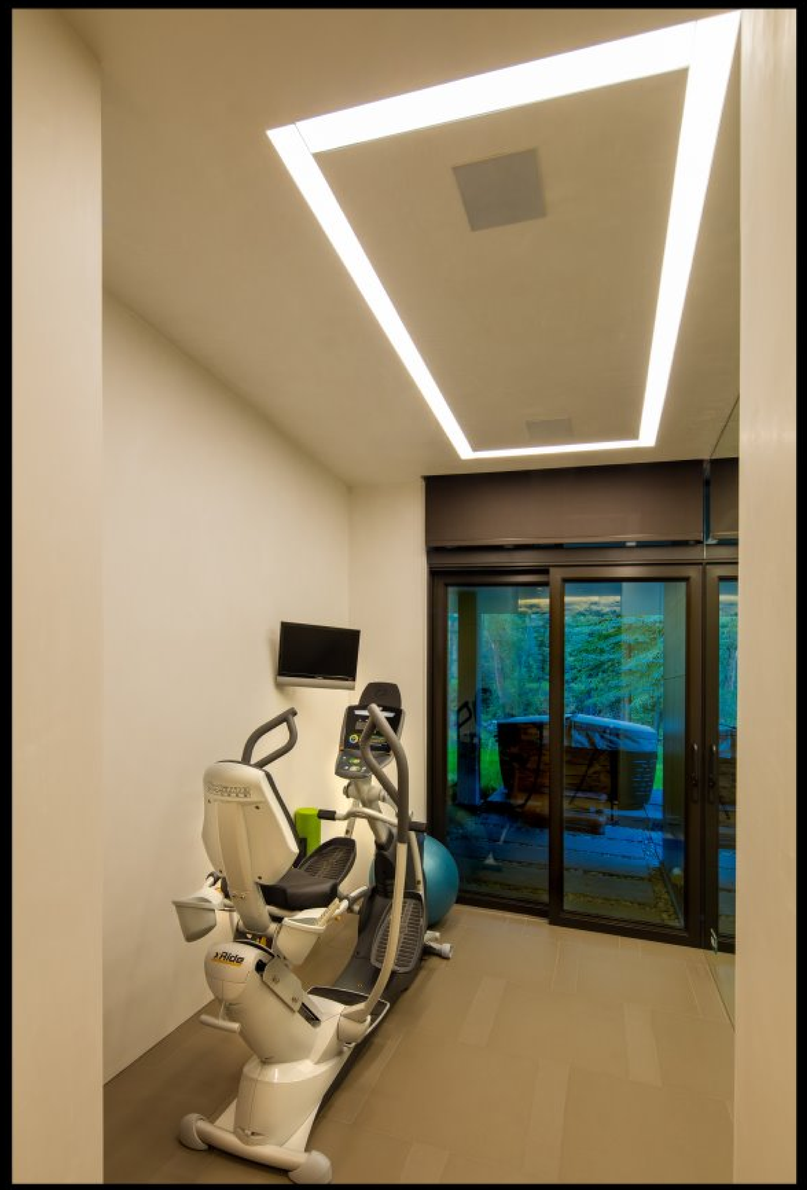
This magnificent Rocky Mountain home is designed to emphasize the owners outstanding art collection as well as highlight the architecture without competing with the natural setting.

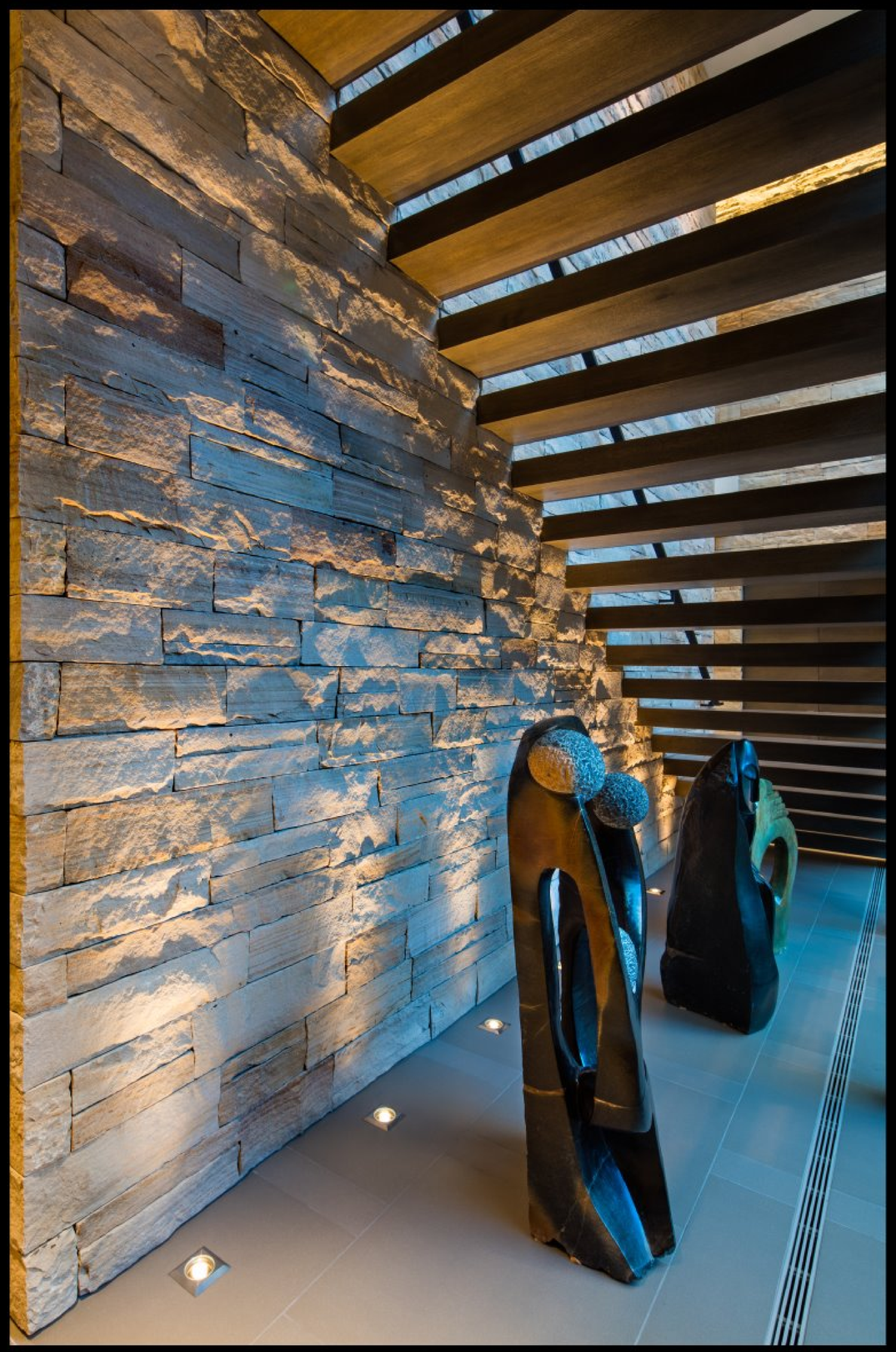
ARCHITECTURE – Charles Cunniffe Architects and Rich Pavcek

GENERAL CONTRACTOR – Brikor Associates

PHOTOGRAPHY – David Marlow and Steve Mundinger







GRAYHEAD RESIDENCE

This majestic ultramodern signature residence was designed to capture the breathtaking landscape of the surrounding mountains. Roof planes extend upward, opening the home toward the sky, with branching support columns reminiscent of trees. Rather than minimize the homes structural elements, the architecture embraces these supports making them a distinguishing feature of this home. The lighting echoes the architecture seeking to highlight the support columns and the junction of the supports with the ceiling planes. Following this lead, the lighting is also instrumental in creating floating architectural elements using linear LED hidden within horizontal components. Halogen lamping was requested by the owner for their warm color temperature, high color rendering and high output for illuminating artwork. The house control system curbs energy waste by dimming the fixtures throughout the home and providing easily accessed scene buttons for rooms and suite off. Shade pockets were integrated into header details to control the large amounts of solar gain while providing a mounting location for the linear LED used to highlight the ceilings.

Strong modern architecture harmonizes with the rugged mountain peaks that surround the home. The architectural nature of this home influenced the decision to limit the amount of light from decorative elements.

ARCHITECTURE – Poss Architecture + Planning

GENERAL CONTRACTOR – Fortenberrry Construction

PHOTOGRAPHY – Steve Mundinger and Joshua Johnson

Low level massing at the fireplaces and built-in cabinetry are surrounded by soft glows. Linear steplighting is used for both safety illumination and to reiterate the linear feel. The considerable flexibility of the downlights work in harmony with the complex ceiling planes allowing artwork and furnishings to be properly illuminated. Thoughtfully placed decorative lighting fixtures enhance the rooms by adding visual interest to the spaces.

Using black alzack reflectors in the trims limits the glare from the downlights used to highlight the gaming tables as well as graze the stone. In-grade uplights help to emphasize the stone relief at the perimeter walls. Glass at the bar is edgelit with linear LED product.

RGB LED spa fixtures create a relaxing atmosphere with the perimeter stone wall carrying into an illuminated ceiling reveal. Downlights illuminate the pathway as well as adding light to the fireplace stone wall. Up-lights graze the stone from below adding to the allure of the space.

The exterior of the home showcases the care that was taken to design a space which opens to the environment.

The monumental entry ceiling floats more than twenty feet overhead with a single slanted support column. In-grade uplights follow the angle of the column, grazing the surface and illuminating the ceiling. Additional uplights graze the stone walls, and in conjunction with the decorative chandelier, increase the radiance of the ceiling.

219½

TELLURIDE TOWN RESIDENCE

The architecture is an homage to the industrial age, celebrating the mining heritage of the local area with exposed metal beams and reclaimed wood elements. Stepping through the doorway the style is pushed toward a modern aesthetic with strong linear forms throughout the spaces. The horizontal architectural planes are emphasized using linear light fixtures. Decorative lighting elements play a large part in the styling of the home, combining elements of contemporary and industrial style.
The eclectic interiors drove the lighting toward direct view linear sources with statement decorative fixtures. High level illumination levels were requested for the kitchen and living areas, but structural conflicts prevented the use of traditional lighting methods. With these constraints in mind, the lighting plays off the architectural forms and features, while creating an evenly lit work plane. The lighting draws attention to the unique blend of materials used in finishing the home. The blend of stacked stone, reclaimed wood, angle iron and natural wood work in harmony with the modern tile and plaster finishes.
Fully integrated LED fixtures are used throughout the home with a limited number of decorative elements using retrofit LED lamps. This ensures the homeowners style to be expressed when choosing the decorative elements, while keeping maintenance and energy costs to a minimum.
This authentic mountain gem celebrates the old and the new, complementing the rustic charm of the town with a modern twist.

ARCHITECTURE – Tommy Hein Architecture

GENERAL CONTRACTOR – Gerber Construction

INTERIOR DESIGN – Lisa Kanning

PHOTOGRAPHY – Steve Mundinger

Bar

ORINDA RESIDENCE

Horizontal planes ground this contemporary home which boasts amazing views of the Northern California hillside. Clean architectural design led to a minimalist lighting design using square aperture downlights as both general and accent light throughout the home. Uplights and hidden linear elements highlight architectural materials while carefully selected decorative fixtures create drama and visual interest. LED's are used throughout the home to help reduce lighting loads. A lighting control system helps the owners to conserve energy by limiting maximum brightness and creates light scenes to provide minimal but comfortable illumination levels.

Landscape fixtures highlight the stone façade, as well as a water feature. Lighting mounted in the trees throw leaf projection patterns along the pathways creating a moonlit feel. The family room, gallery and master bedrooms are viewed through the large windows.

ARCHITECTURE—Talon Design Group, Inc., California

INTERIORS—Home Owner

GENERAL CONTRACTOR—Branagh Development, Inc., California

ELECTRICAL CONTRACTOR—Mission Electric Company, California

PHOTOGRAPHY—Douglas Johnson, California

2012 winner of the IES Illumination Design Award

The living room is comfortably lit with downlights for artwork and furniture accent. Stone walls appear to penetrate the ceiling with a combination of LED lamped uplights and linear stone wash.

A pendant over the dining room table softly lights the surface and creates a warm cozy feel. Perimeter downlights highlight the cabinetry and art work on either side of the room.

CRYSTAL LAKE RESIDENCE

Sitting at the base of the mountain with a view of Independence Pass, this home was designed to make the most of its small footprint, with an open floor plan that creates a spacious, yet cozy feel. The exterior of the house holds true to the mountain home style, however, in the interiors, you will find a more contemporary design complemented by wood trusses, bamboo floors, dry-stacked stone and darkened steel. This project demonstrates how both modern and rustic styles can be integrated together using both architectural and lighting details. Several layers of light were used throughout the home to provide comfortable, yet functional living space with the necessary balance of accent and ambient light. Coordinating details with the architecture resulted in an inviting family home nestled in the mountains.

At the exterior of the house, high sconces on the columns wash the stone, while low step lights illuminate the walkways on the upper and lower decks. Adjustable accent lights provide directional lighting for the lower seating area. The railing above is highlighted with a linear LED light source hidden in the handrail. The interior glows from the linear uplighting on the trusses, as well as single and multi-lamp downlights.

ARCHITECTURE—Charles Cunniffe Architects, Colorado

INTERIORS—Home Owner

GENERAL CONTRACTOR—Olson Builders, Colorado

ELECTRICAL CONTRACTOR—Twins Peaks Electrical, Colorado

PHOTOGRAPHY—Nick Tinienko, Colorado

2008 Winner of the Cooper Source Awards

The main living space utilizes linear uplighting in the trusses for indirect ambient light to enhance architectural details and discreet downlights in the wood ceiling for accent light in the furniture. The art is highlighted with carefully placed monopoints. A custom chandelier above the dining

135

135 MINERS TRAIL RESIDENCE

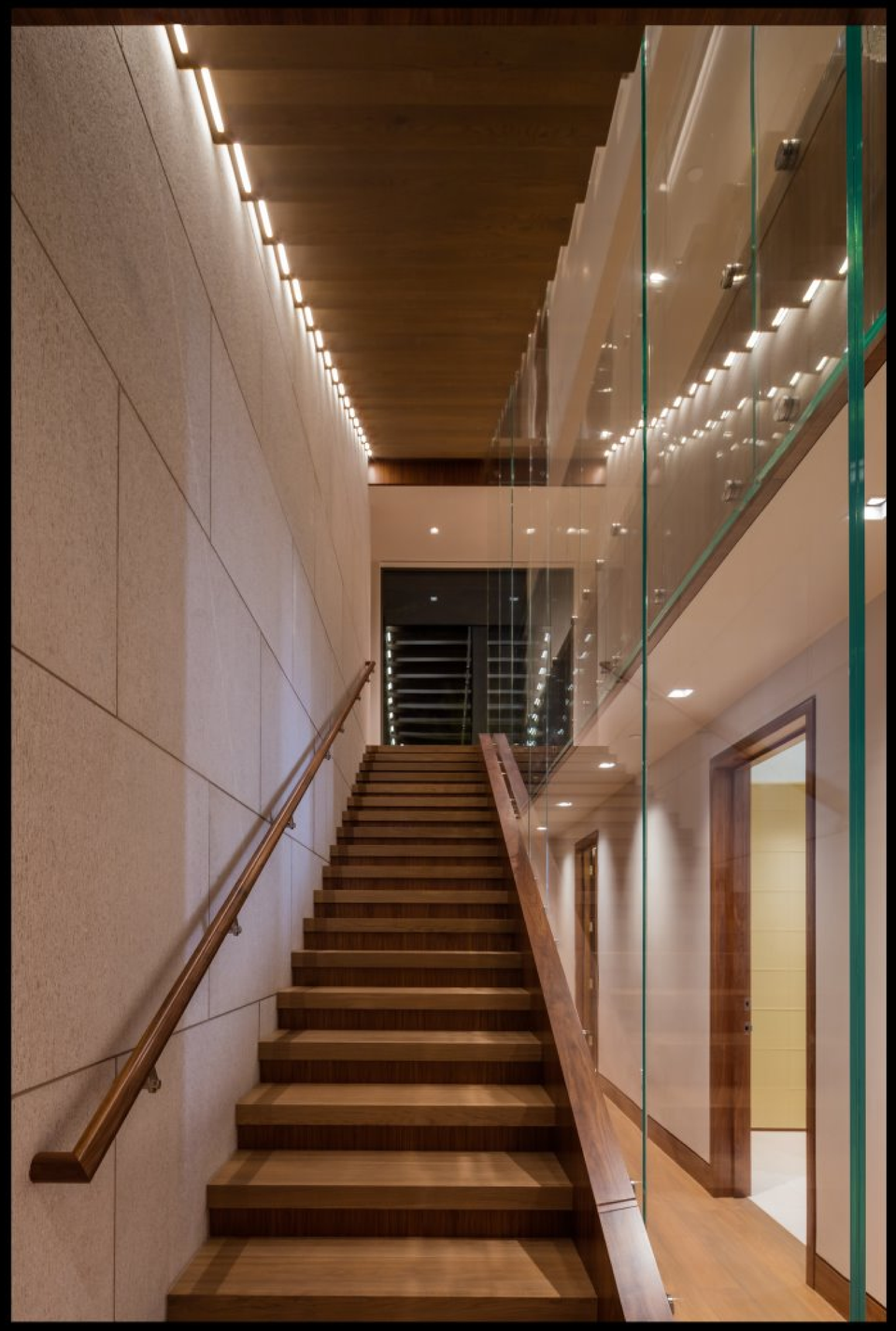
Steps from Downtown Aspen, this distinctive estate exudes serenity and inviting livability. Relax in the over-sized outdoor hot tub with lighted water feature and fireplace, or enjoy the versatile open concept theater, which incorporates dining area/bar and game room to satisfy all of your entertaining needs. This custom residence has a timeless design and unbeatable location that redefines luxury.

ARCHITECTURE – Poss Architecture + Planning

GENERAL CONTRACTOR – Kaegebeine Fine Homebuilding

INTERIOR DESIGN – Paige Larkin

PHOTOGRAPHY – Steve Mundinger



UTE RESIDENCE

This traditional 1980's style home was completely remodeled into a modern contemporary home; it is designed around the owner's desire for both a comfortable and relaxing space, as well as a showcase for their extensive art collection. The lighting emphasizes the native stone, teak siding and patina copper panels that provide a contemporary counterpoint to the original structure. A reconfigured floor plan takes advantage of the site views and provides spaces for entertaining, as well as private retreats. Special attention was paid to the gallery spaces within the home, to ensure that the lighting provided would be flexible with a high CRI for the displayed artwork. A whole home control system assists in reducing the connected lighting load, as well as dimming lamps for energy conservation. Motorized shades are controlled through integration at the lighting control keypads for ease of use and daylight control.

Tree mounted LED accent fixtures highlight a driftwood sculpture creating depth and shadow with minimal glare and light pollution. A floating soffit above the entry houses downlights creates a warm pool of light at the entryway. Additional downlights graze the garage door accenting the recessed framed by copper paneling.

ARCHITECTURE—Poss Architecture + Planning

INTERIORS— Owner

GENERAL CONTRACTOR— Dan Liccardi

ELECTRICAL CONTRACTOR— R&A Enterprises

PHOTOGRAPHY— Steve Mundinger

2013 Winner of the Brilliance Award

2013 Winner of the IES Illumination Design Award

Contemporary style square aperture downlights accent the art pieces using mirrored reflectors to achieve the high adjustment angles from the sloped ceiling. Linear LED product is housed in a custom wall detail providing a glow on the ceiling, helping to define the volume of the space. The decorative pendant over the table adds visual interest and accentuates the dining area.

Low voltage track heads evenly illuminate the kitchen island and can be easily switched with decorative pendants in the future. Linear LED fixtures are used as uplights for illumination on the ceiling and undercabinet for illumination on the work surface. An exterior walls curve is accentuated with linear LED.

Halogen track is mounted in a custom steel wrapped recessed channel, diminishing the view of the systems hardware and augmenting the architectural curve. Square track heads coordinate with square trimmed downlights throughout the home. The flexibility of track lighting keeps the revolving art collection well lit.

MOUNTAIN VILLAGE RESIDENCE

This mountainside home embraces structural architecture with a Native American influence. Wood and stone finishes are emphasized with a variety of techniques creating a multi-layer canvas that invites occupants to explore the home, guided by integrated or placed totems and enjoying private nooks. The neutral architectural palate is offset with pops of color introduced with interior furnishings and artwork. The lighting mimics this dichotomy, using hidden linear sources in combination with minimally dispersed downlights as a base layer, then accenting with strategically placed downlights for artwork and decorative pieces, creating drama and accenting the homes distinct style.

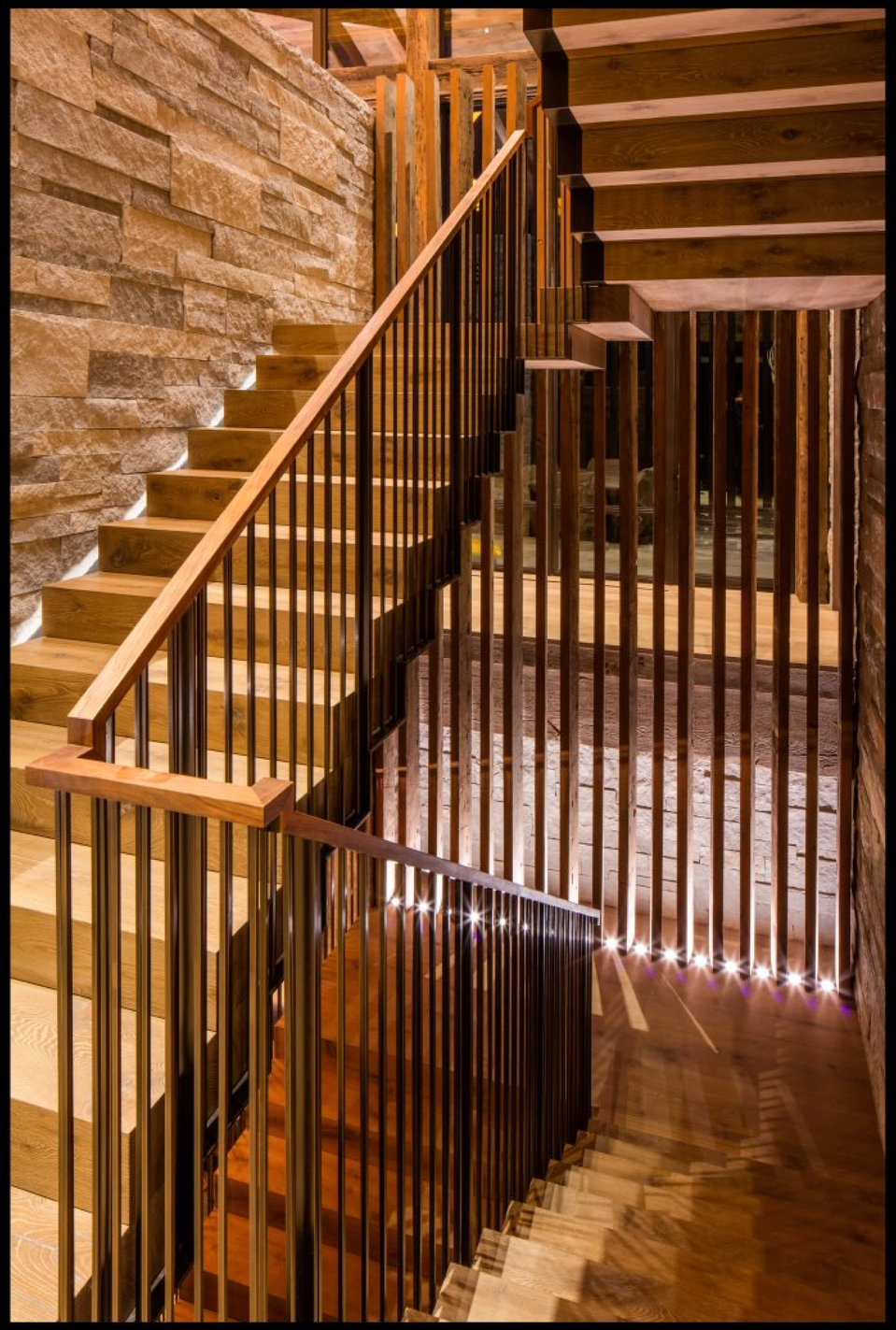
ARCHITECTURE – Tom Conyers Architects

GENERAL CONTRACTOR – Gerber Construction

INTERIOR DESIGN – Thomas Hamel

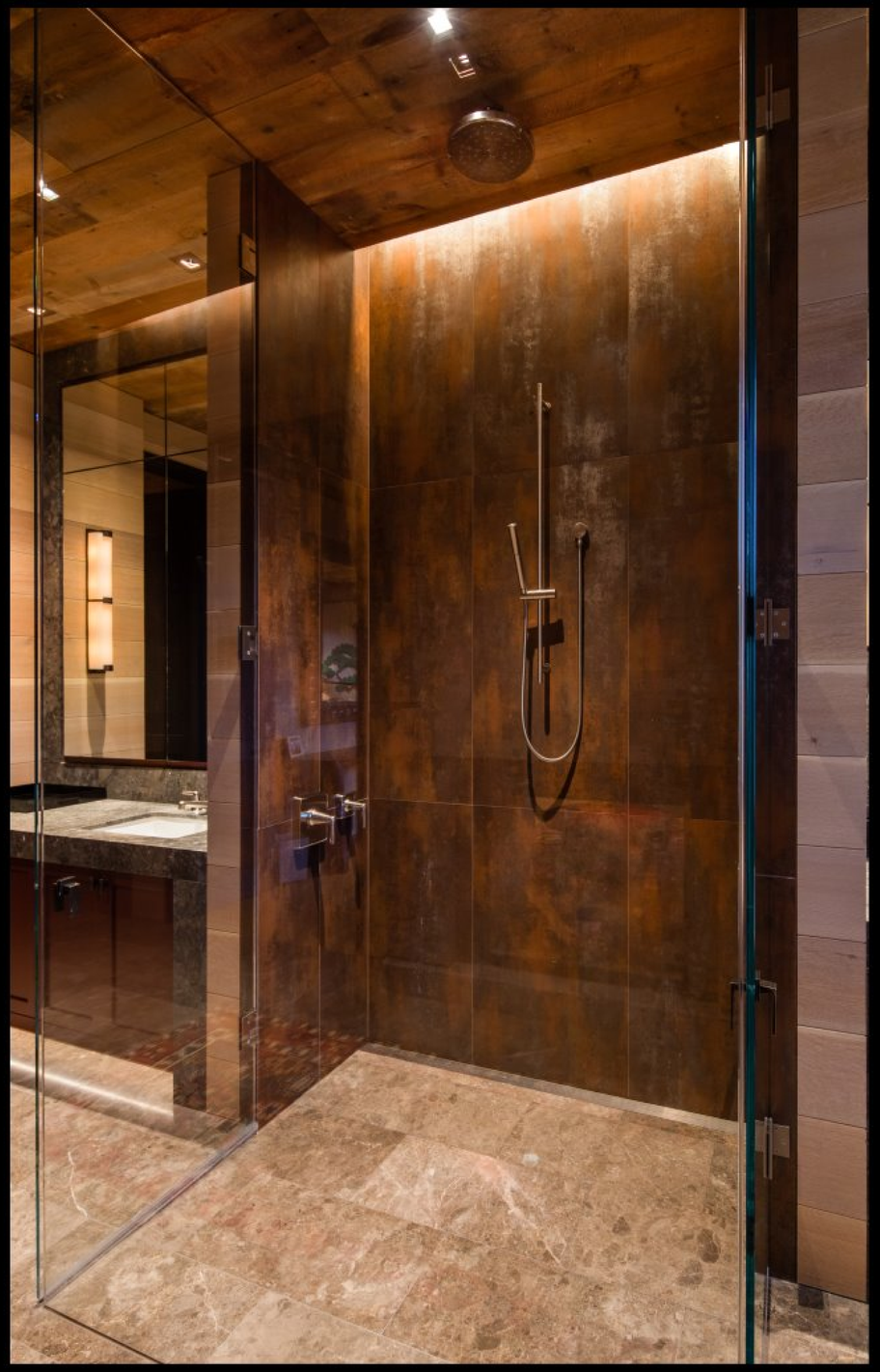
PHOTOGRAPHY – Steve Mundinger

Brunswick
M



Brunswick

Uplights highlight and silhouette the reclaimed wood totems, used to screen the stair. Downlights accent the sculpture at the end of the hallway.



WATSON DIVIDE RESIDENCE

Located on a large elk preserve this traditional mountain home overlooks a river valley and mountains in the distance. Large windows take advantage of the beautiful views in every direction. The architecture focuses on the use of natural materials. Large wood columns anchor the entry and main staircase of the home; wood beams, stone fireplaces and oak millwork completed the look. The warmth of the finishes is brought to life using halogen downlights, uplights and concealed linear incandescent sources. Supplemental lighting is provided by LED puck lights and linear LED sources to provide accents on countertops and shelves. Every room in this house was carefully planned, from layout to cabinetry. Through coordination with plumbing, HVAC, fire protection and audio visual equipment, ensured that the finished space is well lit, while allowing the house to function as desired. The product of this coordination is a majestic wood and timber mountain dream home.

ARCHITECTURE—Poss Architecture + Planning

INTERIORS—Eric Charles Design

GENERAL CONTRACTOR—Structural Ass, Colorado

ELECTRICAL CONTRACTOR—R&A, Colorado

PHOTOGRAPHY—Nick Tinienko

2009 Winner of the Cooper Source Awards

2009 Winner of the IES Illumination Design Award

Attention is drawn to the wood coffer detail in the Recreation Room, using linear product to illuminate the ceiling. Adjustable downlights accent the end tables and bar tops, while a pendant provides lighting for the pool table. A linear LED product illuminates the bar face and cabinet interior.

The great room is a focal point of the home. Layers of light were created using multiple circuits of downlights to enhance the fireplace and seating groups. A concealed linear source is built into the shade pocket for additional ambient lighting and to emphasize the wood trusses.

A fiber optic star-field is reflected in the water of the pool below. Color changing linear LED fixtures creates sunrise and sunset effects. Beyond the pool room, uplights graze the wood columns and elevator shaft. Downlights add to ambient exterior light and bring out the seating area and stone walls inside.

RIVER HOUSE II

This contemporary home boasts of high ceilings and strong linear elements. Square architectural luminaries complement the architecture and enhance artwork and furnishing with consistent high quality light. Pathways throughout the home are lit using a variety of LED products for lower wattage and nighttime use. Backlighting glass and metal elements create visual interest and contrast in the architectural materials. The lighting control system integrates with other automated systems to reduce wall clutter and provide the clients with central locations for controlling their environment.

The exterior show the layers of light within the home, as well as bringing attention to the outdoor environment. Exterior lighting is limited to custom step lights along the stone walls and downlights under the eaves. The pools infinity edge is lit with color changing LEDs that splash light onto the adjacent walls, when in use.

ARCHITECTURE—Charles Cunniffe Architects, Colorado

INTERIORS—Joyce Von Graven, California

GENERAL CONTRACTOR—Lambert Construction, Colorado

ELECTRICAL CONTRACTOR—Electrical Outfitters, Colorado

PHOTOGRAPHY—Nick Tinienko, Colorado

2011 Winner of the Award of Merit in the IES Illumination Awards

2011 Winner of the GE Edison Award

2010 Winner of the GE Edison Award

2010 Winner of the IALD Award

A large statue and water feature are prominent at the homes entrance. Adjustable LED uplights highlights the statue and underwater LED fixtures illuminate the water trough from the interior to the exterior. Indirect horizontal lighting is used in the dropped ceiling creating a floating plane, as well as above the shade pockets for perimeter glow, along with vertical slot details on walls.

Decorative fixtures are centered over the living rooms seating groups to create visual interest. A vertical reveal draws attention to the wall of art and creates a definite line between the exterior and interior of the home. The texture of the stone columns are pronounced using uplighting.

WRIGHT ROAD RESIDENCE

This contemporary mountain home is brought to life by using layers of warm LEDs, fluorescents, and incandescent sources to enhance the architectural features and create a soothing environment. Used as a full time residence by the Architect and his family, the lighting design needed to be flexible to accommodate rotating art pieces and family treasures. A large entertaining Great Room, Family Den with Children's Library and worktable and a working office are all part of this unique home. Focal points in the entry, and stair are complimented with custom chandeliers and custom wall and ceiling details. A lighting system with scenes that are easy to interact with ensures that the lighting remains in balance and simple for even the youngest occupants. The control system also manages motorized shades, used for daylight control, for the floor to ceiling windows.

ARCHITECTURE— Charles Cunniffe Architects

INTERIORS— Donna Guerra

GENERAL CONTRACTOR—David Lambert Construction

ELECTRICAL CONTRACTOR— Electrical Outfitters

PHOTOGRAPHY— Steve Mundinger

2014 Winner of the IES Illumination Design Award—Denver

2013 Winner of the IALD Awards

An open concept great room works as a family gathering area as well as an entertainment space with a breakfast table that doubles as a children’s workspace. Lighting works in conjunction with the furniture layout to delineate this multi use space with linear elements in lighting and architecture unifying the space by utilizing step lighting and ceiling uplighting

The bathrooms are kept clean and simple with downlights providing general lighting and additional accent lighting on the ceiling complimenting the finishes. Contemporary sconces work in conjunction with fluorescent mirror details to provide high levels of illumination at the vanity areas.

ROSE PEARLS
HULA
ANGELINA

AWARD WINNERS

International Illumination Design Awards:

Grayhead Residence—2016
Wainscott Residence—2015
Morningstar Residence—2014
Wrights Road—2014
Mountain Penthouse—2014
Ute Residence—2013
Tiehack Compound—2012
Orinda Residence—2012
River House II—2011
Northstar Preserve—2009
Watson Divide Residence—2009
Mountain Residence—2007
Stillwater Residence—2006
Cherry Creek Remodel—2006
Aspen Townhome Remodel—2006
Gracie Cabin Residence—2006
Red Mountain Residence—2002
Bootjack Main House—2002
Buttermilk Residence—2002
Taylor Crest Residence—2002
Celani Residence—2000
Whitley Residence—2000

Cooper Source Awards:

Private Residence—2017
Waterstone Way Residence—2016
Grayhead Residence—2016
Morningstar Residence—2014
Colorow Residence—2013
Vail Townhome—2012
Top of the Mill—2011
Ridge Residence—2010
Willow Court Residence—2010
Watson Divide Residence—2009
Crystal Lake Residence—2008
Pyramid Road Residence—2008
Aspen Estate—2007
Aspen Townhome Remodel—2006
Wildcat Ridge—2005

Brilliance Awards:

Wainscott Residence—2015
Ute Residence—2013

Other Awards:

GE Edison Award Winning Projects—River House II 2011
Best Interior Lighting Designer in Colorado — 2008
Home Book Design Excellence Gold Award—2002

RIDGE RESIDENCE

ARCHITECTURE – Charles Cunniff Architects

GENERAL CONTRACTOR – Fenton Construction

PHOTOGRAPHY – Michael Hefferon

SCOPE OF SERVICE FOR INTERIOR AND EXTERIOR DESIGN

SCHEMATIC / DESIGN DEVELOPMENT

Design development includes the complete review of all architectural drawings including: furniture plans, reflected ceiling plans, interior elevations, details and sections. The preparation of the lighting plans is based on this review, as well as meeting with clients. RSA will provide the locations and types of fixtures, along with preliminary concept details and optional 3D renderings.

CONSTRUCTION DOCUMENTS

Preparation of final CAD lighting plans for base drawings supplied by architect; indicating the location, dimensions and control switches, circuitry and type of lighting fixtures specified. Additional documentation will include conceptual lighting details, fixtures specifications, control and load schedules and specifications.

CONTROL SYSTEM & PROGRAMMING

Complete lighting control system design including integration with daylight, audio visual control systems and security systems. Control system documentation will include load schedules, panel schedules, control station guides and programming.

EXTERIOR / SITE LIGHTING

Exterior lighting includes a review of local code requirements and HOA for exterior lighting allowances. Development and preparation of landscape/ hardscape lighting plans on Cad from base drawings supplied by architect; indicating the location, dimensions and control switches, circuitry and type of lighting fixtures specified. Additional documentation will include conceptual lighting details, fixtures specifications, control and load schedules and specifications.

DECORATIVE DESIGN

RSA will meet with the interior designer, architect and client to review a decorative fixture package and design intent. We will review all wattages of all fixtures selected by interior designer/client to adhere to all wattages allocated in specified control system. Upon request, RSA will prepare decorative fixture specifications and custom fixture design.

ON SITE SERVICES

Regular on-site visits to ensure proper installation of lighting fixtures, with the coordination of all field conditions. Site specific mock-ups of conceptual lighting details, upon request.

CONSTRUCTION ADMINISTRATION

Construction coordination with design team and contractors to ensure proper execution of lighting design. Documentation will include revisions and continuous coordination with on-site conditions.

FINAL FOCUS & CONTROL PROGRAMMING

On-site supervision and fine tuning of entire lighting system including control.

Please contact RSA to discuss the opportunity to collaborate on your next signature project.

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