PROBLEM:

Holiday House's original roof was installed in the late 1960s. Multiple coatings intended to extend the life of the roof ultimately contributed to the expedited corrosion of the roof and the need for a new roof. Holiday House offers programs that promote the advancement and dignity of individuals who are affected by disability or handicapping circumstances. Chronic leaks were not an option.

SOLUTION:

Butler's solution was to utilize the Low-Profile Metal-Over-Metal Retrofit System with the proven Butler MR-24® roof system. The galvalume MR-24 roof is installed with extra tall clips over the existing roof which allows for more insulation to be added resulting in increased thermal efficiency and no interruptions to the operations below. With no need for additional secondary structural steel, the Low-Profile Metal-Over-Metal System is economical and solved the Holiday House leak problems for years to come.

PROBLEM:

The roof on this ice rink had been covered with an asphaltic product that was delaminating from the metal roof it was intended to fix. An abandoned hot water heating system was corroding and causing leaks into the building. To compound things, the building was inadequately insulated and had ventilation problems. All of these items contributed to an unsafe and undesirable skating environment.

SOLUTION:

Butler's solution was to utilize the High-Profile Metal-Over-Metal Retrofit System with the proven Butler MR-24® roof system and a hybrid insulation system. The painted MR-24 roof is installed over new secondary structural steel attached to the existing building structure. This allows for in-flute installation of board insulation and additional batt insulation under the MR-24 roof system which significantly upgraded the thermal efficiency of the roof assembly. Eliminating the water heating system and vented ridge ensured the weathertightness of the system by eliminating these penetrations.

PROBLEM:

An antiquated design in pre-engineered buildings called broached endwalls reduced the slope of the roof to nearly flat at the endwalls resulting in premature corrosion of the roof panels.

SOLUTION:

The Butler Slope Build-Up Reroof System coupled with the High-Profile Metal-Over-Metal Retrofit System allowed the contractor to increase the slope at the endwalls thus creating a consistent roof plane to ensure long-term performance from the new MR-24® roof.

PROBLEM:

After significant hail damage and a subsequent history of leaks, XLT Ovens wanted a long-term, weather-tight roof system that would not only modernize their building's aesthetic, but also be a greener and more energy-efficient solution.

SOLUTION:

XLT Ovens conducted a review of available products and systems and chose a Butler® solution based on its proven performance characteristics. Butler's solution included the Slope-Build Up Retrofit system utilyzing the MR-24® roof system which allowed for expedient installation right over the existing roof with minimal interruptions to their business.

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LONG-TERM REROOF SOLUTIONS

BUTLER OFFERS LONG-TERM SOLUTIONS FOR YOUR BUILDING'S ROOF PROBLEMS.

Most roof repairs are only temporary solutions. By their very nature, built-up or single-ply roof systems require constant maintenance to remain watertight. But there is a better option.

Butler Manufacturing™ offers long-term solutions to whatever roof problems are compromising your structures—the Metal-Over-Metal Systems, the Slope Build-up Reroof System, and many custom retrofit systems. These systems are practical, long-term, and cost-efficient retrofit solutions.

INSTALL A BUTLER® ROOF SYSTEM THAT'S AFFORDABLE, DURABLE, ATTRACTIVE, AND GREEN.

In most cases, you can install a Butler® reroof system directly over your current existing built-up, single-ply, or metal roof. This saves you the cost of tearing off your current roof and avoids any interruption to your business activities during the process.

There are many other reasons why a Butler roof system is your best choice.

AFFORDABILITY

You may be surprised to discover that a Butler® retrofit roof is comparable in price to short-term fixes. You can achieve more savings through the improved energy efficiency that comes with the addition of new insulation. You can also eliminate removal and disposal costs, a very "green" solution, by installing a new slope build-up roof system directly over your existing roof.

LONGEVITY

Butler standing-seam roofs have documented in-place performance since the late 1960s. Research confirms that these roofs withstand decades of harsh sun, heavy rains, snow, ice, and extreme temperatures with minimal annual maintenance.

FLEXIBILITY

Whether your roof repairs are basic or complex, Butler reroof systems fit your needs. We can install over all types of flat roofs to a variety of slopes and even steep-pitched roofs. We can also add pitch by installing a structural slope build-up system directly over a flat roof.

DURABILITY

Constantly changing temperatures cause a roof to expand and contract thousands of times each year. Butler roof systems are specifically engineered to allow for this natural thermal movement and provide years of long-term watertight performance.

AESTHETICS

A new steep-sloped metal roof can dramatically change the appearance of a building. Butler can add color, provide a mansard, or change a roof pitch to give your entire building a face lift.

GREEN BUILDING

Butler roof systems are material-efficient, made from recycled material, recyclable, low-maintenance, and long-life roof solutions. Their green attributes may earn credits for LEED® certification. They're also available in "cool roof" colors with a certifed, highly reflective finish to reduce energy consumption.

SYSTEM DESIGN

With Butler, all aspects of your roof system—ridges, eaves, trims and flashings, interior or exterior drainage, roof openings, and accessories—have been designed to work in unison with the metal roof to form an integrated system.

RELIABILITY

Butler introduced the first modern standing-seam roof system in 1969 and continues to lead the metal roofing industry. The MR-24® roof system has been installed on more than 2 billion square feet of buildings all over the world. In fact, it is specified more than any other standing-seam roof.

INDUSTRY-LEADING WARRANTIES

It stands to reason that the best roofing systems should carry the best warranties. The Butler Watertight Gold warranty assures up to 20 years of weathertight protection and includes full-system coverage of roof trims, roof curbs, and pipe penetrations on a non-prorated basis during the entire warranty life.

1 VSR II™ STANDING-SEAM METAL ROOF SYSTEM

Combine structural integrity with aesthetic appeal. The strong visual lines and variety of colors make the VSR II metal roof system the right choice for all types of building solutions, whether it's used to recover asphalt shingles, on slope-enhancing frames, or atop the engineered light-gauge truss system.

2 REROOFING OVER SHINGLES

Sub-purlins are attached to the existing wood deck or joists, and one or more layers of blanket insulation are added to increase energy efficiency. Often in this application, the VSR II standing-seam metal roof system is selected because of its outstanding performance combined with lasting beauty.

3 SLOPE BUILD-UP FRAMING SYSTEM

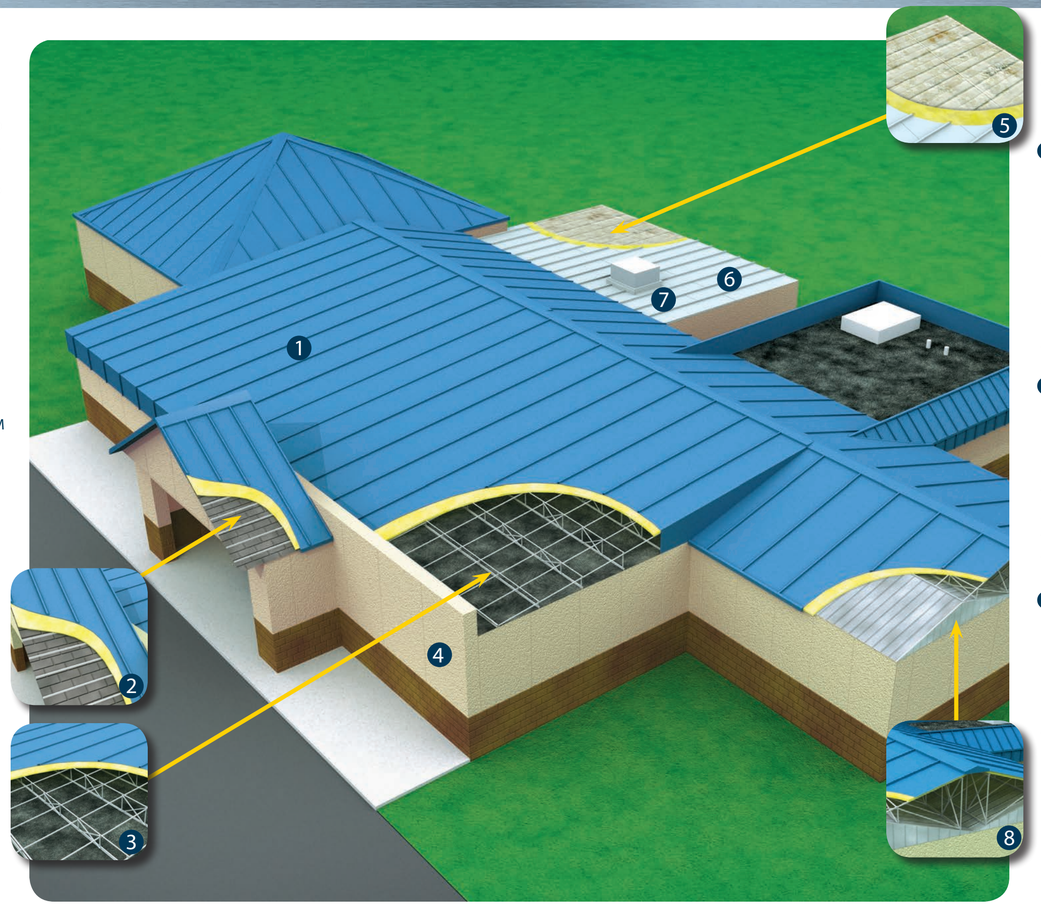
Flat roofs often leak. A Butler slope-enhancing steel framing system engineered to meet the toughest building codes and loads can permanently add slopes up to 30 degrees (7:12)—more than enough for most buildings to quickly shed damaging ponding water. The flexible system can be overlaid with all structural metal roof panels and also allows insulation to be added.

4 WALL SYSTEMS

Re-siding transforms aging buildings into showpieces. We offer a variety of wall systems suitable for any type of construction, ranging from the most economical metal wall panel to custom designs incorporating conventional wall materials of your choice.

5 LOW-PROFILE METAL-OVER-METAL SYSTEM

Thru-fastened metal roofs have a shorter life span than standing-seam roofs. An economical low-profile metal-over-metal system easily attaches to your building's existing roof structurals, virtually eliminating all leaking caused by exposed fasteners. Additional insulation can be added for increased energy efficiency.



6 MR-24® STANDING-SEAM METAL ROOF SYSTEM

Butler's long-term, low-slope roof solution is the MR-24 roof system—the most specified metal roof system in the industry. Developed in the late 1960s, the MR-24 roof system has far outpaced all of its long-term warranties and consistently outperforms all other low-slope roofs in such critical areas as lifecycle costing, annual maintenance requirements, and serviceability.

7 ROOF-MOUNTED EQUIPMENT

Eighty percent of all roofs leak at locations around roof-mounted equipment. Butler is the only metal roof manufacturer to design and patent its own roof curb to meet the industry's most stringent requirements. The all-aluminum Internal Flange (IF) curb comes in standard sizes and can also be custom manufactured to any size. The IF Curb design ensures your roof is watertight for decades to come.

8 RE-SLOPINGFORWATERMANAGEMENT

Buildings are often built and then added on to at a later date. This can transform what was originally designed to be an exterior gutter into an interior gutter that fails to be watertight. Butler offers a unique solution by reverse-sloping the affected roof areas with a Butler-engineered steel framing system, effectively redirecting water drainage to the exterior.