

Sarnafil Milestone Management

The Sarnafil Milestone Management™ process integrates proven materials, skilled workmanship, and expert assistance into every phase of every project for comprehensive quality control. The result: peace of mind for architects, engineers, owners, and occupants alike.

Solve the Problem and Save Money Over the Life of the Roof.

Solve the problem for the long term with Sika Sarnafil's Metal Retrofit System. There is no need to reseal, coat or replace your roof with the Sika Sarnafil solution. The system is installed directly over your existing metal roof. The result is a long lasting roof that requires little maintenance and has a very low life-cycle cost. In addition, the highly reflective surface of Sika Sarnafil's EnergySmart Roof® membranes combined with the additional system insulation will greatly reduce roof surface temperature and heat transfer into the building, keeping the interior cooler and saving you money on cooling costs.

You Can Be Confident in the Sika Sarnafil Solution.

Recovering your metal roof with Sarnafil is a cost effective, long term solution that allows you to stop worrying about leaks. Unlike metal roofs, where penetrations and detailing are common sources for leakage, Sarnafil's hot-air welded seams and flashings remain watertight. When the membrane is hot-air welded, the watertight seams that are created are permanent and are even stronger than the membrane itself. Sika Sarnafil has been manufacturing long-lasting, high-quality roofing systems for more than forty years, longer than any other thermoplastic membrane manufacturer. So selecting Sika Sarnafil's Metal Retrofit System will give you peace of mind, knowing that you have purchased a roofing system that is proven to perform for decades.

Tired of your leaking metal roof but aren't sure what's causing the leaks?

Here's some problems and causes that might be ailing your roof.

❖ Metal Corrosion

Rusting and corrosion of metal roofs occur from normal precipitation and acid rain as well as ponding water. Over time, this corrosion makes its way through the metal, leaving holes for water to penetrate.

❖ Expansion and Contraction

As seasons and temperatures change, leaks can occur. As the metal roof expands and contracts, fasteners loosen at the joints. The thermal movement ends up leaving loose seams and cracks at penetrations leading to leaks in your roof.

❖ Condensation

Metal roofs are difficult to seal and insulate. Moist interior air can condense on the back side of the metal. The condensate drips into the building, causing the same problems as leaks.

❖ Transition Areas

Metal roofs are only watertight if the slope is adequate. Transitions, valleys and interior gutters are prone to leaking with metal roofing.

Design Options

To make your metal roof watertight and retain its original appearance, consider the Sarnafil Décor Roof System. A Décor Roof System provides you with the look of a metal roof by adding a choice of ribs to the roof surface that simulates a standing seam or batten seam metal roof. It will give you the aesthetics of a metal roof with the integrity of Sika Sarnafil's hot-air welded thermoplastic membrane. The systems are the ideal choice for buildings that call for the appearance of metal yet require maximum watertight performance. And, with Décor, you can choose from a variety of membrane colors to meet your design objectives.



Décor is available in seven standards colors: White, Tan, Light Grey, Patina Green, Lead Grey, Copper Brown, Evergreen, or an unlimited number of custom colors.

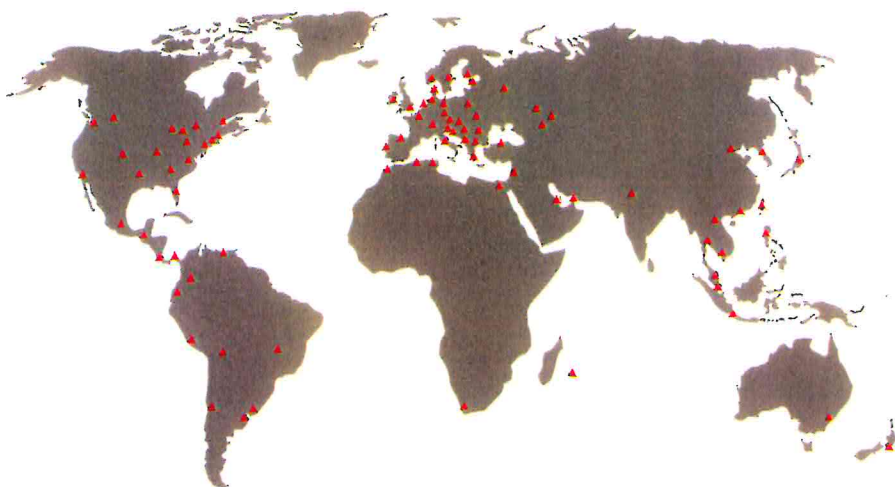
Sarnafil®

Sika – Your Local Partner with a Global Presence

Sika is a globally active company in the speciality and construction chemicals business. It has subsidiary manufacturing, sales and technical support facilities in over 70 countries around the world.

Sika is THE global market and technology leader in waterproofing, sealing, bonding, dampening, strengthening and protection of buildings and civil engineering structures.

Sika has more than 10,000 employees worldwide and is therefore ideally positioned to support the success of its customers.



Quick Reference Guide

Your requirements are...

Sarnafil Metal Retrofit System provides...

Watertight Integrity

- Quality that meets or exceeds ASTM standards with watertight, hot-air welded seams
- Permanent watertight flashings and details

Low life-cycle costs

- Long-lasting membrane that does not rust or corrode
- Membrane that requires no resurfacing or recoating
- Hot-air welded seams that require no maintenance

Saves energy

- Insulated roof system with ENERGY STAR® rated roof

Retaining the look of metal

- Metal roof appearance with standing-seam profiles or battens
- Seven standard colors or custom colors

Proven performance

- An industry veteran that has produced over 15 billion sq. ft. of membrane worldwide
- The same basic membrane formulation that has protected buildings for more than 40 years
- Material that consistently ranks as the highest quality thermoplastic membrane in independent testing

Sika Sarnafil Inc.

100 Dan Road
Canton, MA 02021
Telephone 1-800-451-2504
Telefax 781-828-5365
Internet www.sikacorp.com

Sika Sarnafil

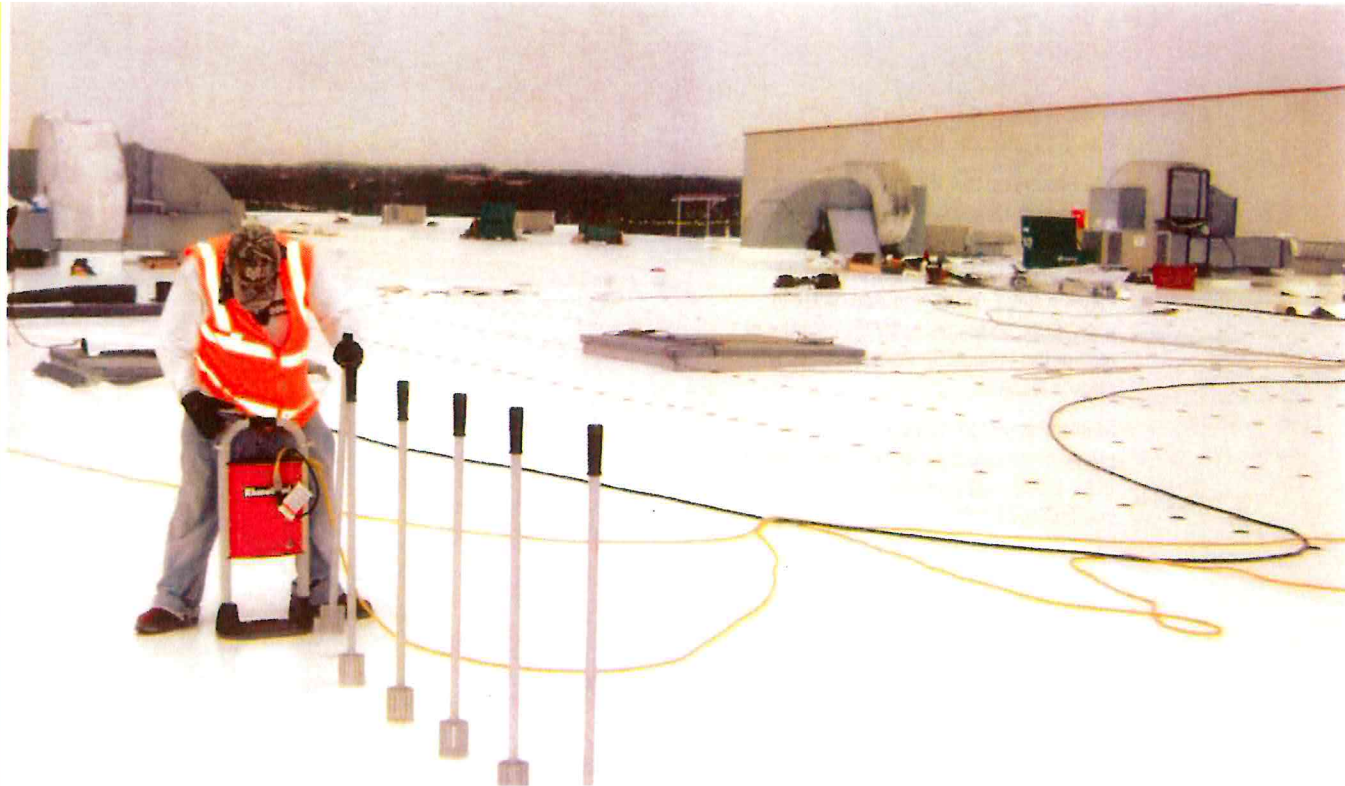
A Business Unit of Sika Canada Inc.
6820 Davand Drive, Unit 2
Mississauga, Ontario
L5T 1J5 Canada
Telephone 1-800-268-0479
Telefax 905-670-5278
Internet www.sika.ca

Our most current General Sales Conditions shall apply. Please consult the Product Data Sheet prior to any use and processing.



Sarnafil®





RhinoBond® Roof System

- Quick and Easy to Install
- No Membrane Fastener Penetrations
- Increased Productivity
- Even Wind Load Distribution
- Enhanced Wind Uplift Resistance
- Reduced Membrane 'Flutter'
- Elimination of Half Sheets
- Covered by System Warranty
- FM Approval Up to 210 PSF



The RhinoBond Roof System is used with Sika Sarnafil PVC membranes to increase contractor productivity and enhance roof wind uplift resistance.

This innovative attachment system relies on electromagnetic induction welding to eliminate fastener penetrations. Specially-coated membrane plates are fastened to the roof assembly and later heat-welded to the underside of membrane using the RhinoBond tool.

The RhinoBond Roof System uses a patented 'stand-up' tool — a single worker places the unit above a plate and activates the electromagnetic pulse, which is completely safe. The pulse causes the securement plate to heat up and fuse to the membrane directly above it. Typical weld time is five seconds per plate. A weighted RhinoBond 'cooling clamp magnet' is then temporarily placed on top of the plate to assure a strong bond.

RhinoBond is ideal for projects that require enhanced wind protection. The system achieves an FM I-90 rating in the field while requiring 30 percent fewer fasteners per square.

The system is also perfect for metal retrofit applications. And with adequate steel deck strength, contractors can even avoid the need

to drill and fasten into steel roof purlins. Productivity is improved by eliminating this time-consuming step, and wider roof membrane sheets can also be used with fewer seams to weld.

RhinoBond is simple to use and has proven to be a real time saver for contractors.



Sarnafil®

A Tool that is Easy to Handle ... Easy to Use on Roofs

The RhinoBond tool is lightweight, portable and has an adjustable handle. An LED display provides detailed information for start-up, ready, energy level, number of plates welded / remaining, and cycles to date. Error messages notify the operator of high or low voltage conditions, and also if no plate is found.

Stable power (110-125 volts, 60 Hz) is required to operate the tool. Operators should use a 5,000 watt generator (minimum) with one 20A GFCI-protected circuit per tool. A maximum of two RhinoBond tools per 5,000 watt generator is recommended. The power cord should be 12 gauge at a minimum, with a maximum length of 100 feet.

Six cooling clamp magnets come with the tool. A convenient carry case protects the unit during transit and storage.

To obtain pricing and ordering information for the RhinoBond Roof Fastening Tool or to purchase a unit, contact your regional Sika Sarnafil representative.

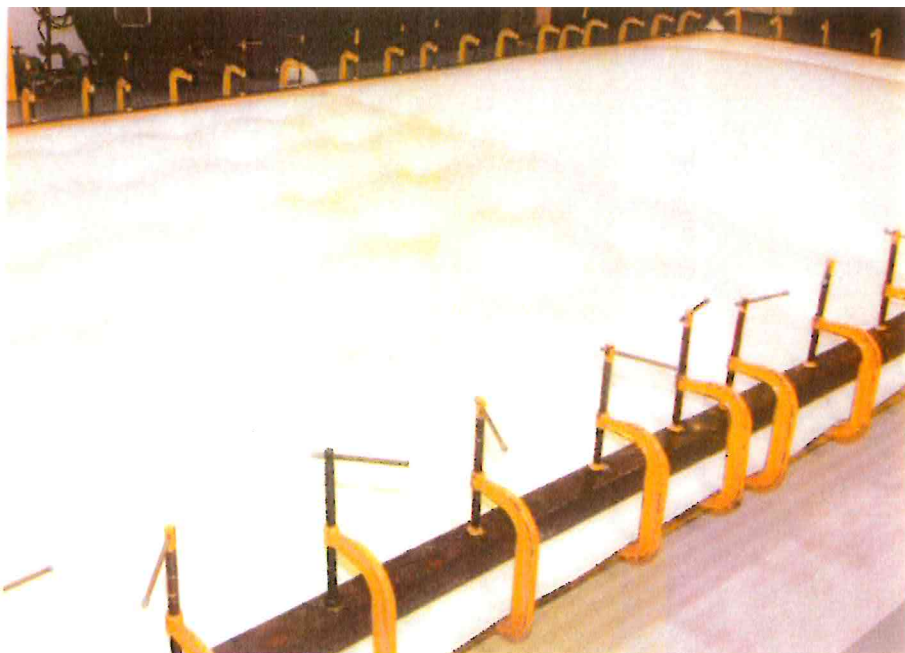


Sika Sarnafil

A Division of Sika Corporation
100 Dan Road
Canton, MA 02021
Telephone: 800-451-2504
Fax: 781-828-5365
www.sikacorp.com

Sika Sarnafil

A Business Unit of Sika Canada Inc.
6820 Davand Drive, Unit 2
Mississauga, Ontario
L5T 1J5 Canada
Telephone: 800-268-0479
Fax: 905-670-5278
www.sika.ca



A PVC membrane undergoing wind resistance tests. The membrane is seen secured on the left portion of the test bed with the RhinoBond tool, and at right using conventional in-seam attachment.

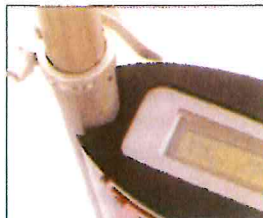
RhinoBond Roof Fastening Tool

Ordering Information

Part Number	Description	Packaging	Weight
1352653	RhinoBond Tool and 6 Cooling Clamp Magnets	Molded Cases	58 lbs.
1352654	6 Cooling Clamp Magnets	Molded Case	21 lbs.
1352641	PVC Plates	500 / Bucket	35 lbs.

Physical Data

RhinoBond Tool	Cooling Clamp Magnets
Height: 28.5 Inches Handle Extends to 34 Inches	Quantity: 6 / Case
Width: 12.5 Inches	Weight: 2.5 lbs. Each
Weight: 23 lbs.	Base Diameter: 3.25 Inches
Case Weight (Empty): 14 lbs.	Case Weight (Empty): 6 lbs.
Total Weight (Tool w/Case): 37 lbs	Total Weight (Clamps w/Case): 21 lbs



RhinoBond features an adjustable handle and easy-to-read LED display.



Vinyl-coated plates are attached to roof decks and heat-welded to the underside of PVC membranes.

RhinoBond® is a registered trademark of OMG, Inc. Our most current General Sales Conditions shall apply. Please consult the Product Data Sheet prior to any use and processing.



Sarnafil®

S327 Sarnafil Membrane 60 mil



Fastener (Maxload in field)
(Purlin Fastener in perimeter)



Rhinobond Plate



1/4" Densdeck



(Alt #1 insert 1.5" ISO here) →

1 1/2" Flute Filler



Existing Metal Roof Pans



Existing Purlins



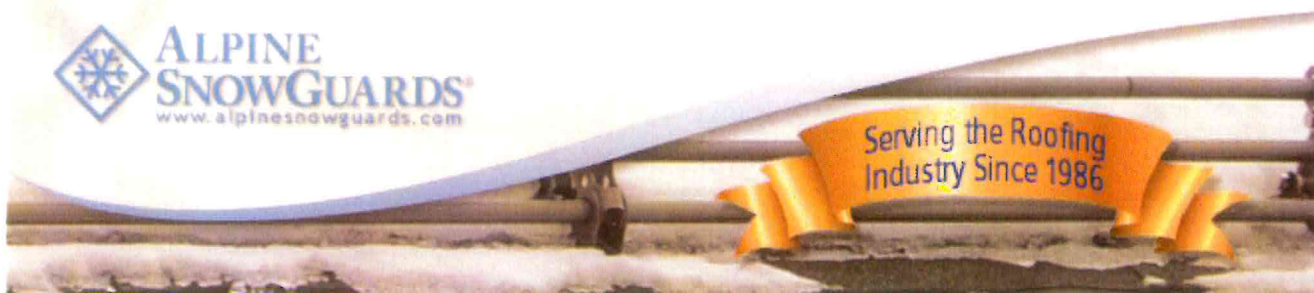
Lowe Roofing

PO Box 369
Gillette WY 82717

307-687-0303 phone
307-682-3710 fax

Lowe Roofing Detail #

Camplex Central Pavillion Roof Assembly

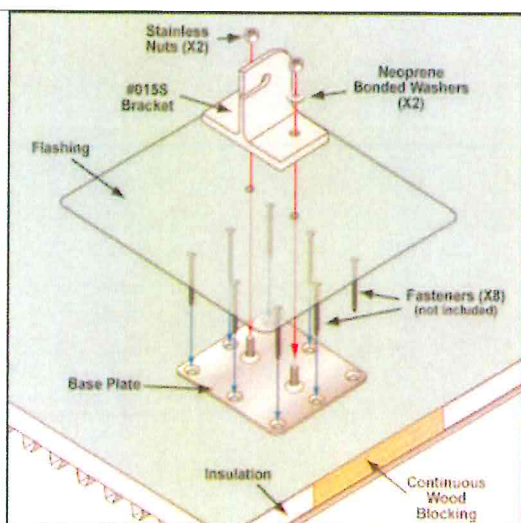


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#0155 Bar-Type Snow Guard for Membrane Roofs

uses ColorGard® from S-5!

✗ two pipe standing seam - clamp to the seam snow guard



#0155 single bar-type snow guard for membrane roofs consists of a stainless steel base plate and extruded aluminum bracket. The base plate is secured to the roof with 8 appropriate fasteners. The base plate is then flashed with a compatible target patch and the bracket is bolted on top of the patch forming a compression seal.

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The #0155 uses a single extruded aluminum bar - ColorGard® from S-5!. The ColorGard bar accepts a 2" high strip of metal to match the color of the roof.

[Spe](#)

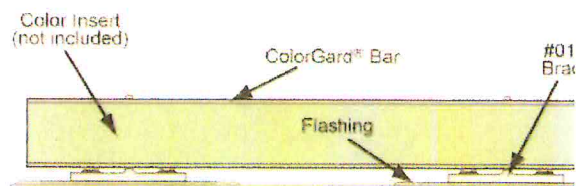
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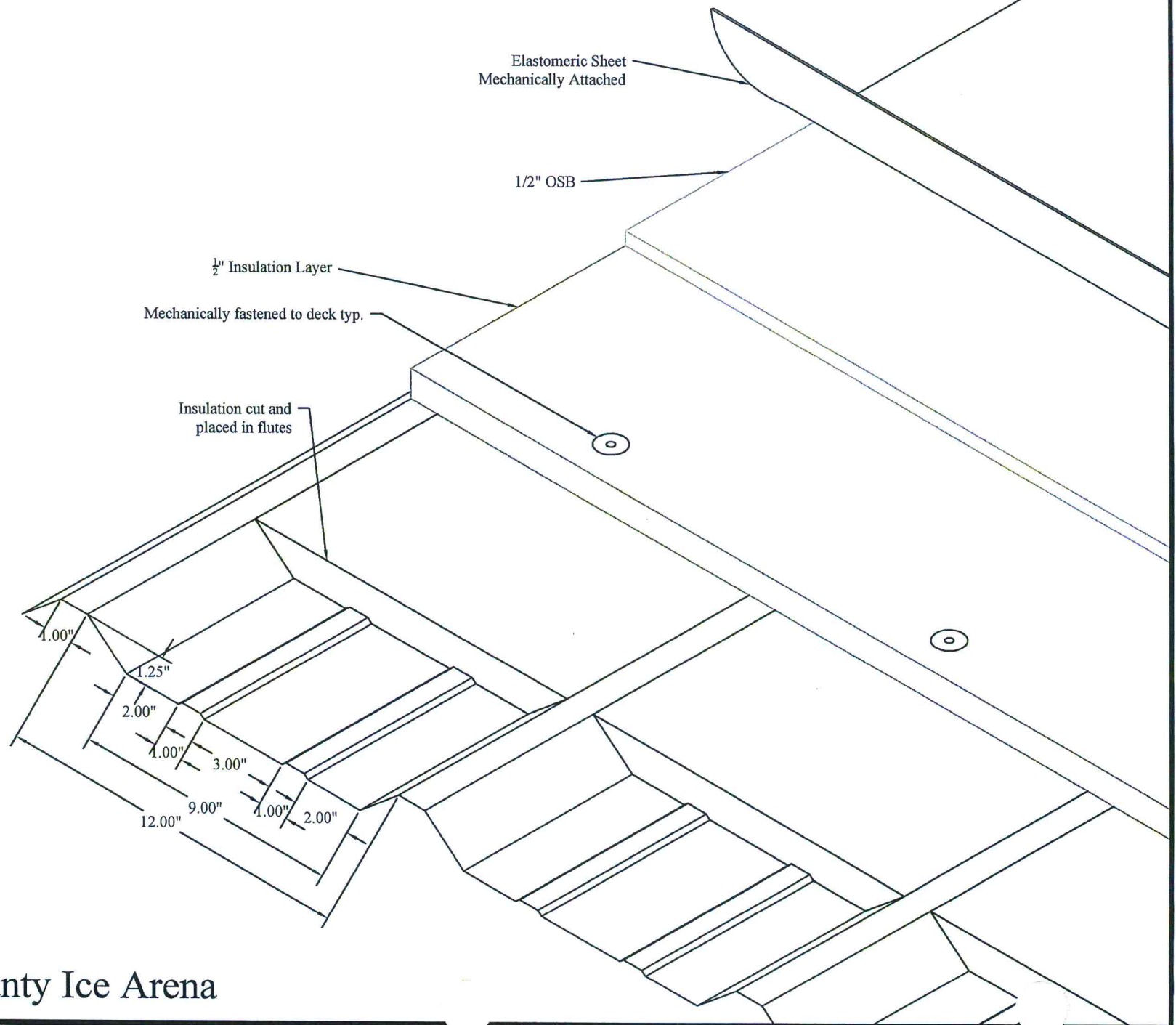
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Campbell County Ice Arena