



BLUESTONE INC.

**BLUESTONE PREMIUM ROOFING SYSTEMS
INSTALLATION MANUAL**

AS OF YEAR 2022
PARTIAL LISTING OF SATISFIED CUSTOMERS SHOWING YEARS OF TROUBLE FREE SERVICE

*CLAROSTAT MFG - 40, 39 and 35 year old roofs

*WAYLAND REALTY TRUST - 38, 36, 29 and 7 year old roofs

*ENDICOTT FURNITURE - 39, 32, 20, 16 and 9 year old roofs

+ADM TOOL - 23 year old roof

*ADVANCED MAINTENANCE - 22 year old roof

BOND BUILDING HOSPITALITY LP

CAROL CABLE

CARROLL COUNTY ADMINISTRATIVE BUILDING - 27 year old roof

CORCORAN & JENNISON - 27 year old roof

*FIRST CONCORD FINANCIAL

FRATELLOS

*JEFFERSON MILL - 20 and 22 year old roofs

JENKINS REAL ESTATE

LAKE WALLACE HOTEL

*MAILWAYS

MANCHESTER SHOPPING CENTER

NEW HAMPSHIRE COLLEGE

*NORTHGATE APARTMENTS

*ONE WASHINGTON CENTER

REALTY MANAGEMENT ASSOCIATES

REDBALL INDUSTRIES

RIVCO WINDOWS AND DOORS

SAVIN HILL APARTMENTS - 27 year old roof

*THOMPSON'S POINT - 22 year old roof

WILLIAMS GROUP

THE FOLLOWING ARE ARCHITECTS THAT HAVE SPECIFIED OUR ROOFING SYSTEMS FOR PUBLIC BIDDING

THE COMMISSIONERS for CARROLL COUNTY ADMINISTRATIVE BUILDING

DENNIS MIRES ARCHITECTS for NYNEX

HMFH ARCHITECTS for THE EAST BOSTON SCHOOL DISTRICT

JEFFERY SKAPIN, A.I.A., ARCHITECT - MANAGER DESIGN & CONSTRUCTION for ROCKWELL AUTOMATION

KEITH HEMMINGWAY ARCHITECTS for WHITE MT. REGIONAL HIGH SCHOOL

NEW HAMSHIRE COLLEGE

RECOMMENDED BY FRANK MARINACE ARCHITECTS for CITY OF MANCHESTER

THE TURNER GROUP for PEASE DEVELOPMENT AUTHORITY

* Repeat customer

+ Referral



BLUESTONE PREMIUM ROOFING SYSTEMS

On A Comparison Basis: Now Rated *"The Best Of Both Worlds"*
In Economy And Performance By The Contractors Guide



1,2,3,4, or 5 plys
of select Bluestone
COPA (Co Polymer Alloy)
membrane.

Non Toxic, non-polluting,
fireproof and weather-resistant
Bluestone Superflex Elastomeric Coating.

Super Duty Aluminum Paint

Sun Shield Aluminum Chips

From 250 mils to 1000 mils of puncture-
proof roof in white, black, red, gray and
brown stone.
Can be painted any color of the rainbow.



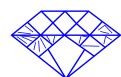
ECONOMICAL!

LIFE CYCLE COSTING PROVES THIS SYSTEM
COSTS MUCH LESS THAN ALL OTHER SYSTEMS!



BLUESTONE SUPERFLEX ELASTOMERIC COATING

will stretch up to twenty feet before snapping.
***Go to our website to see our demonstrations,
they prove every claim we make.***



BLUESTONE PREMIUM ROOFING SYSTEMS

TECHNICAL INFORMATION

THICKNESS	250 to 1000 mils	LOW TEMP FLEXIBILITY	+5 F. to -40 F.
REINFORCEMENT	170 gr. and 250 gr. Spunbound Polyester for the membrane and Fiberglass for the Bluestone Elastomeric flood coating	TENSILE STRENGTH	306 to 1150 lbs. per square inch
WEIGHT	1 to 10 lbs. per square loot	ASTM 2523	
TOP SURFACE	Peastone, Super Duty Aluminum Paint and Sun Shield Aluminum Chips	ELONGATION	50%
MELTING POINT	312 deg. for membrane 200 deg. flood coating	ACCELERATED WEATHERING	Excellent Weather Resistance
		EMMAQUA ASTM	
		ASTM E 108/UL 790	Class A+ Fire Rating

FEATURES



Approved

- **PUNCTURE PROOF! FIREPROOF! GOES WAY BEYOND IT'S CLASS "A" FIRE RATING.**
- 250 mil systems are price competitive with thin 45 and 60 mil membranes.
- Long life expectancy. 30 to 100 years - depending on the number of plys.
- **Excellent resistance to ponding water - Warranted under unlimited amounts of ponding water!**
- **Will not Alligator!**
- **Non-Toxic.**
- **Non-Polluting & No Fumes!**
- **TOUGH! TOUGH! TOUGH!** 4 and 5 ply systems can be used to waterproof multilevel parking lots. Automobile traffic and snow plowing **will not puncture the roof.**
- Excellent adhesion to weathered asphalt roofs.
- Excellent adhesion to metal edges and flashing.
- Excellent adhesion to primed concrete.
- Exceptional elasticity over the normal range of roofing service temperatures.
- Heat welded at melting point. No lap adhesive! No interply adhesive! The quality of the application is not affected by the wind, dust, temperature or the humidity.
- Stone ballast acts as a heat regulator to eliminate thermal shock and reflect UV rays.
- Very easy to install. Non labor intensive. Your money is invested in the materials not the labor. We all know that it is the materials that remain on the roof.
- Instantly waterproof when installing over existing built-up roof. Less liability!
- Can be modified with coatings to be resistant to all chemical agents.
- **NOW AVAILABLE** is the Bluestone TURFTOP roofing system. A green roof designed to utilize vacant rooftop space for gardens, parks and athletic fields.
- **NO NEED FOR USELESS AND EXPENSIVE WALKWAY PADS!** Studies show that most workman don't follow the circuitous walkways.
- Great for sunbelt states - Superflex coating will not crack or alligator - Sun Shield Aluminum greatly reduces air conditioning costs.
- **WE EVEN HAVE A BULLET PROOF ROOF!** No kidding! We have had requests from Architects needing a bullet proof roof for inner city construction projects.
- 35 roofing systems to choose from. One size does not fit all. We have the roofing system designed to fit your needs.
- Ask about our low interest short and long term financing. If the roof leaks, you don't pay! You can't get a better warranty than that!



BLUESTONE INC.

P.O. BOX 86
COLEBROOK, NH 03576

800-639-4016 * *Same phone # since 1984*

bsprs.com

Your Manufacturers Representative

Keep the old as long as it is good and take the new as soon as it is better.

INTRODUCTION

LIFE CYCLE COSTING PROVES OUR ROOFING SYSTEMS COST LESS THAN ALL OTHER SYSTEMS!

IN MANY CASES OUR SYSTEMS ALSO COME WITH A LOWER PRICE TAG!

The BLUESTONE PREMIUM ROOFING SYSTEMS in this installation specification manual are manufactured out of the highest performance materials available (**COPA and SYNIFLEX**) and designed to perform **TROUBLE FREE** under the most severe of conditions, for a minimum of 20 years and as long as 100 years.

The 20-year roofing systems are geared for developers who want a low priced roof that will outlast their 20 year bank loan.

The 30 to 100 year roofing systems were designed for and are marketed to **schools, universities and businesses** committed to long-term economy and demanding trouble free service. With the 3, 4, and 5 ply systems, architects are encouraged to design buildings with as much roof top activity as possible. This will maximize the buildings usable space and lower the cost of the overall construction project. We even have a roofing system that can handle automobile traffic and is designed to waterproof multilevel parking lots. You can run a snowplow on it! **Also, because of the extra high performance level of these BLUESTONE PREMIUM ROOFING SYSTEMS, they are warranted even under unlimited amounts of ponding water!**

Please notice how we use the word performance instead of quality in all of our literature when describing our BLUESTONE PREMIUM ROOFING SYSTEMS. The word quality has been used and abused by marketing strategists for all kinds of products, so often and for so long, that it has lost its true meaning. The word **performance** cannot be misinterpreted.

Many companies that offer the highest "quality" materials specify overlaps for the seams, often as little as 2 inches with glues that are tricky and difficult to work with under less than ideal weather conditions. **The BLUESTONE laps are a minimum of 8 inches and are heat welded at melting point. Heat welding is unaffected by temperature, humidity or wind. Ideal for winter installations.**

Many thin single ply membranes are truly made of good high quality materials, but have been thinned out to the point where they will not stand up to the harsh conditions found in the real world of roofing. Their high perm ratings guarantee their premature failure under ponding water. Price competition has thinned the most common single ply rubber and plastic membranes from an original of 90 mils to as little as 35 mils and the manufacturers and installers are issuing totally disclaimed guarantees to protect themselves from the predictably high failure rates. At BLUESTONE, we believe that if you can run it through a typewriter, it is **much too thin**, no matter what it is made of. An extreme example of this is, aluminium sheet metal making a very good roof but aluminium foil making a very poor roof.

While some manufacturers consider a 60 to 70% success rate something to be proud of, we at Bluestone consider a 30 to 40% failure rate something to be ashamed of.

Our philosophy at Bluestone is:

ANYTHING LESS THAN 100% SUCCESS IS UNACCEPTABLE!

I believe this installation manual accurately communicates our philosophy by keeping the specifications well above the minimum.

Gerard Beloin



Sales Manager

**BLUESTONE COPA
and SYNIFLEX**

	<u>UNIT</u>	<u>STANDARD</u>	<u>HEAVY</u>	<u>HEAVIER</u>	<u>HEAVIEST</u>
THICKNESS	in.	160 mils	200 mils	225 mils	250 mils
THICKNESS	mm	4	5	5.5	6
REINFORCEMENT: SPUNBOUND POLYESTER	g/m2	170	250	250	250
ROLL WEIGHT	lbs.	88	110	125	144
SOFTENING POINT	Fahrenheit	311	311	311	311
LOW TEMP. FLEXIBILITY	F	+5	+5	+5	+5
OPTION	F	-5	-5	-5	-5
OPTION FOR SYNIFLEX ONLY	F	-20	-20	-20	-20
	F	-40	-40	-40	-40

TENSILE STRENGTH

ASTM 2523 lbs/in 220 525 525 525
**AS HIGH AS 2,200 LBS. PER SQUARE INCH FOR THE MULTIPLE PLY SYSTEMS.
 NO OTHER ROOFING SYSTEM COMES CLOSE!**

ELONGATION

ASTM D412 % 50% 50% 50% 50%

WATER VAPOR

PERMEABILITY

RATING (perm rating)

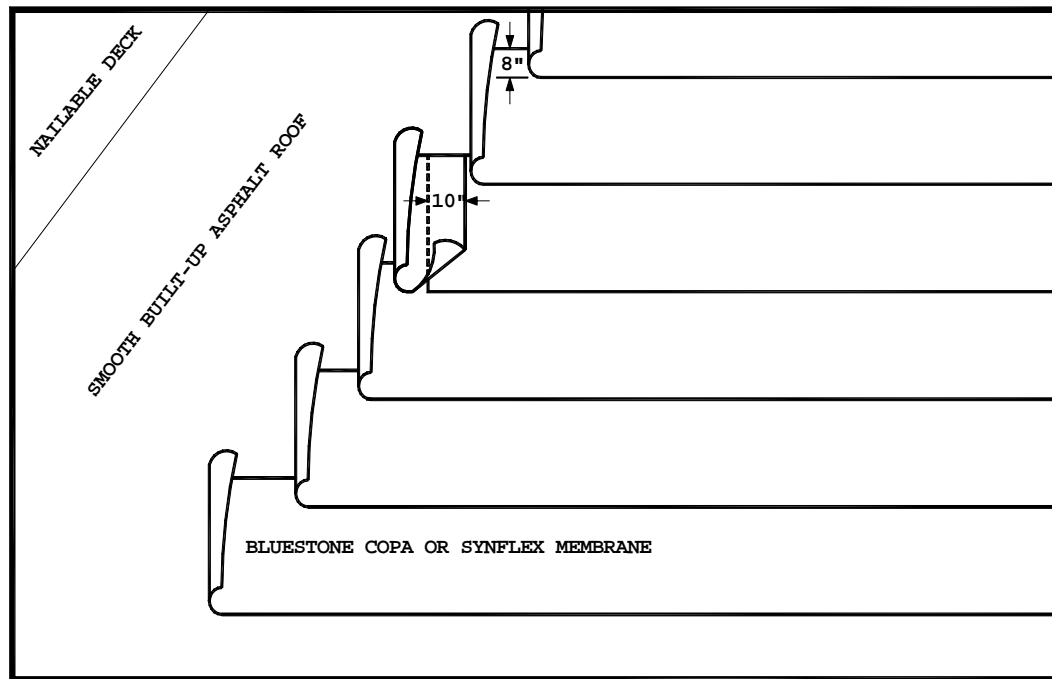
ASTM E 96

0.06 grams of water penetration per sq. meter in our single ply system. **That is 3,300% lower than other thin plastic or rubber membranes.** 0.000 grams per sq. meter in the multiple ply systems. Because our multiple ply systems have a 0.000 perm rating they can be installed on roofs with unlimited amounts of ponding water without affecting the warranty.

FIRE RATING – ASTM E 108/UL 790 – CLASS A+ Fire Rating. Meets and exceeds the ASTM E 108/UL fire test.

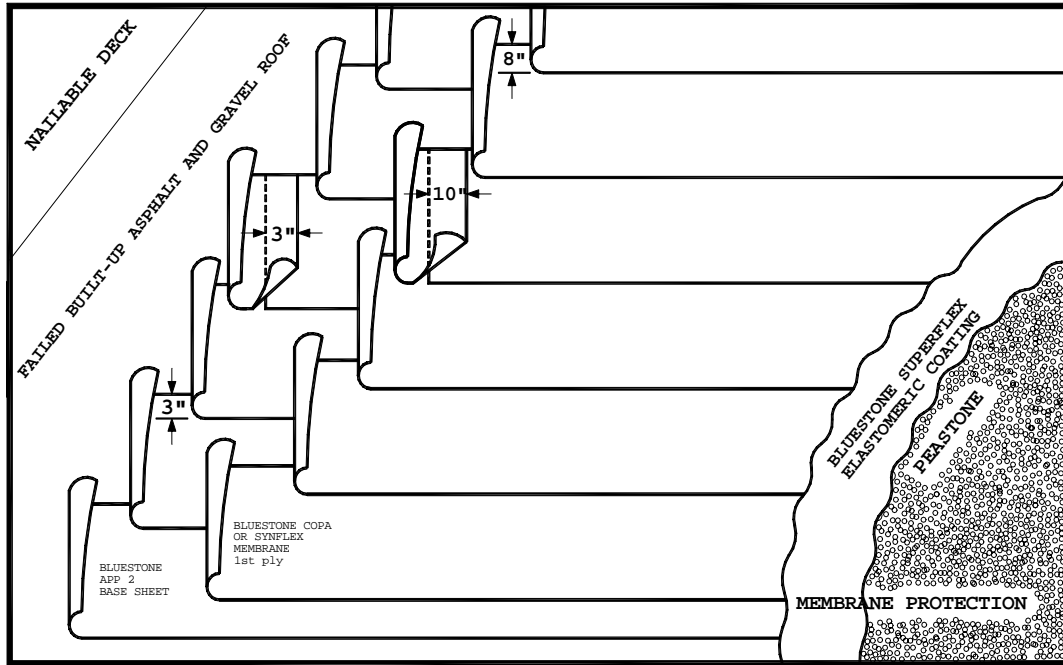
RE-ROOFING (RETROFIT) : FULLY ADHERED

NAILABLE DECK
OVER A FAILED SMOOTH BUILT-UP ASPHALT ROOF
RETROFIT



1. TYPE OF DECK:
Plywood, wood plank, gypsum, metal.
2. MATERIALS:
Approved fasteners
BLUESTONE COPA (Co Polymer Alloy) 3, 4, 5, 5.5, or 6 (130, 160, 200, 225, 250 mil)
BLUESTONE SYNDFLEX (SYNthetic FLEXene) 3, 4, 5, 5.5, or 6 (130, 160, 200, 225, 250 mil)
3. MECHANICAL ATTACHMENT OF THE OLD, SMOOTH, BUILT-UP ASPHALT ROOF:
The old roof must be swept clean. All blisters must be cut open and flattened. The entire roof must be aerated by puncturing the old roof all the way to the roof deck with 1/2 inch holes every 4 square feet. This is to allow trapped moisture to escape and prevent future blisters from forming. The entire roof must be secured with 3 inch diameter plates and appropriate length screws at a minimum rate of 5 per 100 square feet. (PLASTIC PLATES and STAINLESS STEEL screws are recommended in roofing systems containing moisture.) This is necessary to insure a secure bonding surface for the new roof. (These specifications are a viable option to a complete tear off and disposal of the old roof. Hiring a professional roofing consultant and performing a moisture scan is advised.)
4. MEMBRANE INSTALLATION:
Starting at the low point of the roof, HEAT WELD one ply of BLUESTONE COPA or SYNDFLEX membrane to the old roof, making sure to stagger all of the end laps a minimum of 4 ft. Side laps must be 8" and end laps 10". ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALTS WILL AUTOMATICALLY VOID THE WARRANTY.
5. MEMBRANE PROTECTION:
The new roof should be coated with BLUESTONE SUPERDUTY ALUMINUM PAINT at a rate of 300 to 400 sq. ft. per gallon.

NAILABLE DECK
OVER A FAILED BUILT-UP ASPHALT AND GRAVEL ROOF
RETROFIT



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Plywood, wood plank, gypsum, metal.

2. MATERIALS:

Approved fasteners * STAINLESS STEEL and PLASTIC when moisture is present.
BLUESTONE APP 2 base sheet * OPTIONAL * Recommended with COPA or SYNDFLEX 4 membranes and when reroofing over a Coal Tar Pitch roof.
BLUESTONE COPA (Co Polymer Alloy) 4, 5, 5.5, or 6 (160, 200, 225 or 250 mil)
BLUESTONE SYNDFLEX (SYNthetic FLEXene) 4, 5, 5.5, or 6 (160, 200, 225 or 250 mil)
BLUESTONE SUPERFLEX ELASTOMERIC COATING and pea stone

3. MECHANICAL ATTACHMENT OF OLD ROOF AND OR BASE SHEET:

The old Built-Up Asphalt and gravel roof must be planed smooth and swept clean. If the old roof insulation is wet, consult a qualified roofing consultant, perform a moisture scan to determine if any damage was caused by the moisture penetration. The old roofing system should be aerated by puncturing the old roof with a 1/2" drill every 4 square feet. This will allow the trapped moisture to aerate inside the building and prevent future blisters from forming. When moisture is present in the old roofing system, STAINLESS STEEL screws and PLASTIC plates should be used to secure the old roof or base sheet prior to reroofing. All roofing systems will dry out when these steps are taken. The only exception is roofs with concrete decks. (SEE SPECS. FOR **NON-NAILABLE DECK OVER FAILED BUILT-UP ASPHALT ROOF**) If a base sheet is used, it shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.

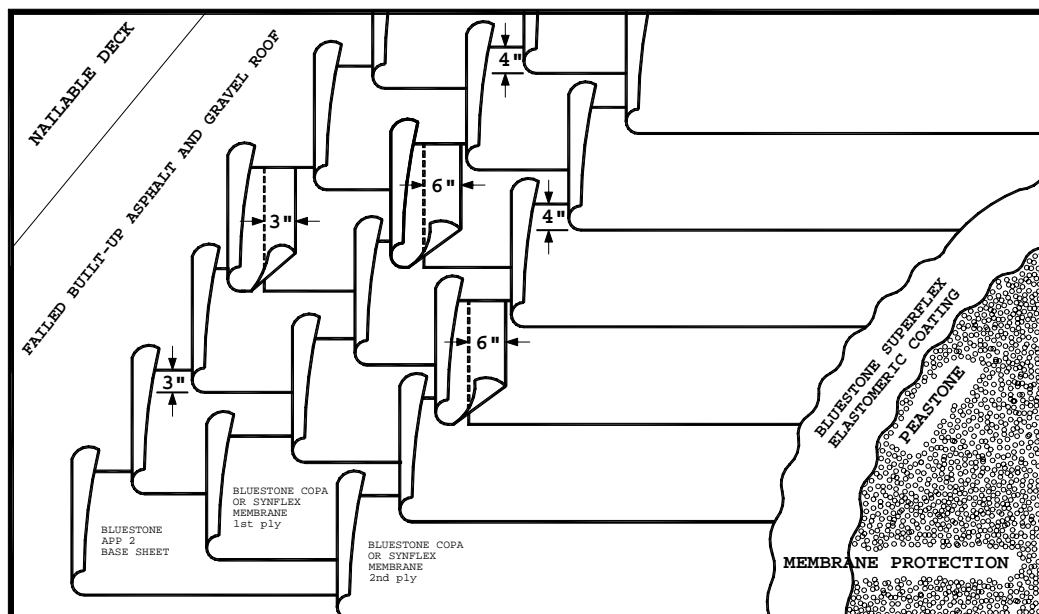
4. MEMBRANE INSTALLATION:

Starting at the low point of the roof, fully adhere one ply of 250 mil BLUESTONE membrane by **HEAT WELDING** directly to the failed built-up asphalt and gravel roof, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 8" and end laps 10". **ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.**

5. MEMBRANE PROTECTION:

The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are a lightweight option.

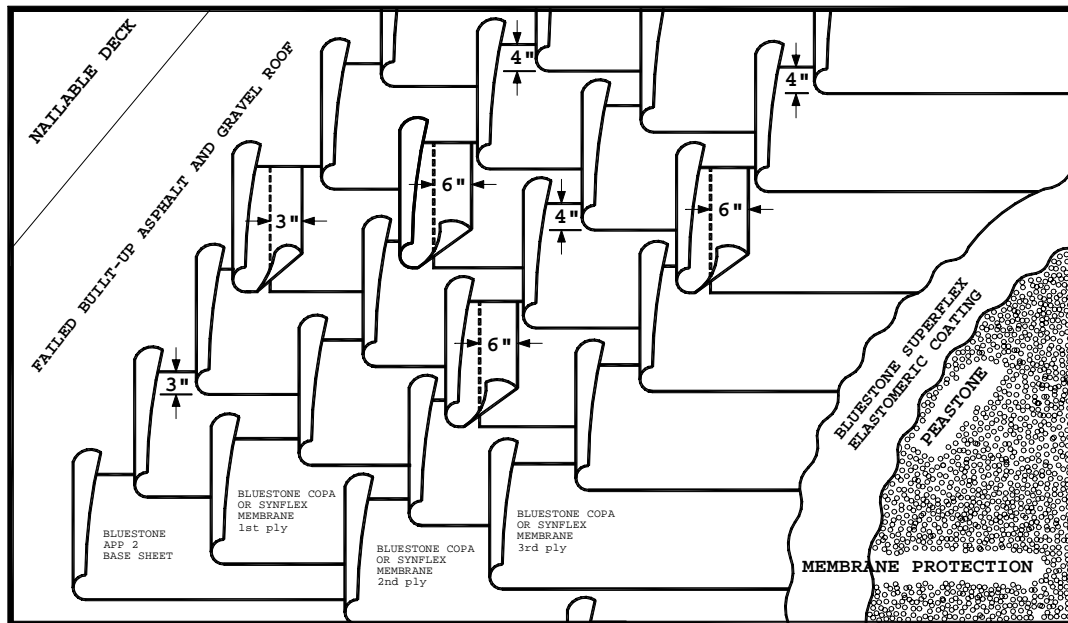
NAILABLE DECK
OVER A FAILED BUILT-UP ASPHALT AND GRAVEL ROOF
RETROFIT



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:
Plywood, wood plank, gypsum, metal.
2. MATERIALS:
Approved fasteners * STAINLESS STEEL and PLASTIC when moisture is present.
BLUESTONE APP 2 base sheet * OPTIONAL * Recommended when reroofing over a coal tar pitch roof.
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
BLUESTONE SUPERFLEX ELASTOMERIC COATING and pea stone
3. MECHANICAL ATTACHMENT OF OLD ROOF AND OR BASE SHEET:
The old Built-Up Asphalt and gravel roof must be planed smooth and swept clean. If the old roof insulation is wet, consult a qualified roofing consultant, perform a moisture scan to determine if any damage was caused by the moisture penetration. The old roofing system should be aerated by puncturing the old roof with a 1/2" drill every 4 square feet. This will allow the trapped moisture to aerate inside the building and prevent future blisters from forming. When moisture is present in the old roofing system, STAINLESS STEEL screws and PLASTIC plates should be used to secure the old roof or base sheet prior to reroofing. All roofing systems will dry out when these steps are taken. The only exception is roofs with concrete decks. (SEE SPECS. FOR **NON-NAILABLE DECK OVER FAILED BUILT-UP ASPHALT ROOF**) If a base sheet is used, it shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.
4. MEMBRANE INSTALLATION:
Starting at the low point of the roof, fully adhere the first ply of BLUESTONE membrane by HEAT WELDING to the failed built-up asphalt and gravel roof, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure once more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered with the previously installed ply. **ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.**
5. MEMBRANE PROTECTION:
The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are a lightweight option.

NAILABLE DECK
OVER A FAILED BUILT-UP ASPHALT AND GRAVEL ROOF
RETROFIT



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Plywood, wood plank, gypsum, metal.

2. MATERIALS:

Approved fasteners * STAINLESS STEEL and PLASTIC when moisture is present.
BLUESTONE APP 2 base sheet * OPTIONAL * Recommended when reroofing over a coal tar pitch roof.
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
BLUESTONE SUPERFLEX ELASTOMERIC COATING and pea stone

3. MECHANICAL ATTACHMENT OF OLD ROOF AND OR BASE SHEET:

The old Built-Up Asphalt and gravel roof must be planed smooth and swept clean. If the old roof insulation is wet, consult a qualified roofing consultant, perform a moisture scan to determine if any damage was caused by the moisture penetration. The old roofing system should be aerated by puncturing the old roof with a 1/2" drill every 4 square feet. This will allow the trapped moisture to aerate inside the building and prevent future blisters from forming. When moisture is present in the old roofing system, STAINLESS STEEL screws and PLASTIC plates should be used to secure the old roof or base sheet prior to reroofing. All roofing systems will dry out when these steps are taken. The only exception is roofs with concrete decks. (SEE SPECS. FOR **NON-NAILABLE DECK OVER FAILED BUILT-UP ASPHALT ROOF**) If a base sheet is used, it shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.

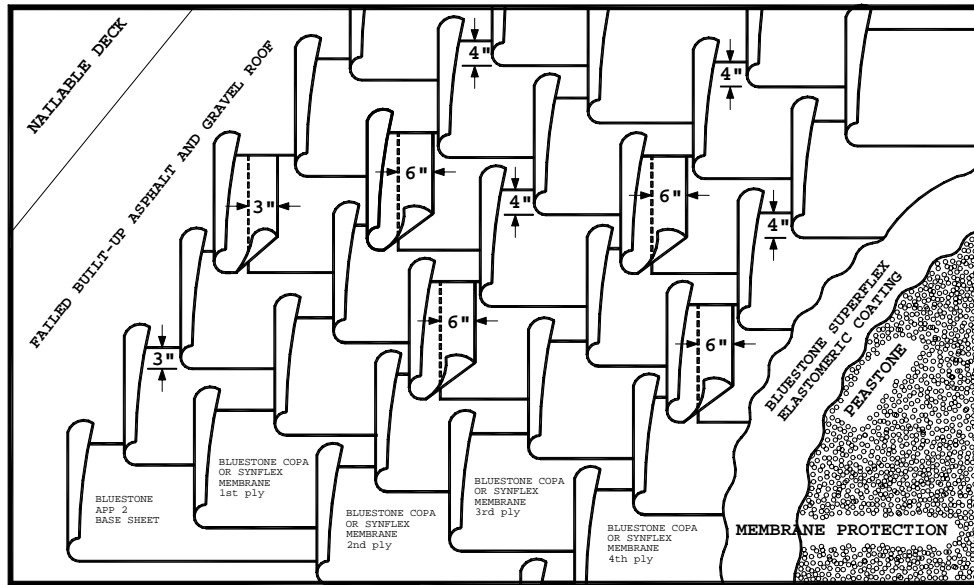
4. MEMBRANE INSTALLATION:

Starting at the low point of the roof, fully adhere the first ply of BLUESTONE membrane by HEAT WELDING to the failed built-up asphalt and gravel roof, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure twice more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered with the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. MEMBRANE PROTECTION:

The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are a lightweight option.

NAILABLE DECK
OVER A FAILED BUILT-UP ASPHALT AND GRAVEL ROOF
RETROFIT



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Plywood, wood plank, gypsum, metal.

2. MATERIALS:

Approved fasteners * STAINLESS STEEL and PLASTIC when moisture is present.

BLUESTONE APP 2 base sheet * OPTIONAL * Recommended when reroofing over a coal tar pitch roof.

BLUESTONE COPA 4 membrane (Co Ploymer Alloy)

BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)

BLUESTONE SUPERFLEX ELASTOMERIC COATING and pea stone

3. MECHANICAL ATTACHMENT OF OLD ROOF AND OR BASE SHEET:

The old Built-Up Asphalt and gravel roof must be planed smooth and swept clean. If the old roof insulation is wet, consult a qualified roofing consultant, perform a moisture scan to determine if any damage was caused by the moisture penetration. The old roofing system should be aerated by puncturing the old roof with a 1/2" drill every 4 square feet. This will allow the trapped moisture to aerate inside the building and prevent future blisters from forming. When moisture is present in the old roofing system, STAINLESS STEEL screws and PLASTIC plates should be used to secure the old roof or base sheet prior to reroofing. All roofing systems will dry out when these steps are taken. The only exception is roofs with concrete decks. (SEE SPECS. FOR **NON-NAILABLE DECK OVER FAILED BUILT-UP ASPHALT ROOF**) If a base sheet is used, it shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.

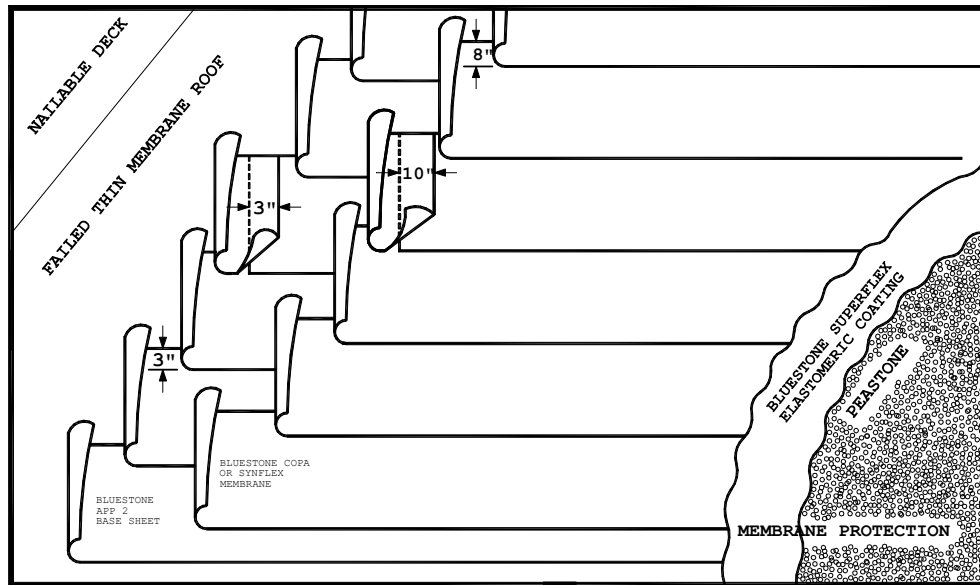
4. MEMBRANE INSTALLATION:

Starting at the low point of the roof, fully adhere the first ply of BLUESTONE membrane by HEAT WELDING to the failed built-up asphalt and gravel roof, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure thrice more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered with the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANE WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. MEMBRANE PROTECTION:

The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are a lightweight option.

NAILABLE DECK
OVER A FAILED RUBBER ROOF
RETROFIT



The top ply should have lap
in the center of the base sheet.

1. TYPE OF DECK:

Plywood, wood plank, gypsum, metal.

2. MATERIALS:

Acceptable Insulation

Approved fasteners

BLUESTONE APP 2 base sheet (optional)

BLUESTONE COPA (Co Polymer Alloy) 4, 5, 5.5, 6 (160, 200, 225, 250 mil) membrane

BLUESTONE SYN-FLEX (SYNthetic FLEXene) 4, 5, 5.5, 6 (160, 200, 225, 250 mil) membrane

BLUESTONE SUPERFLEX ELASTOMERIC COATING

Peastone, 1/2" fractured stone or slag

3. MECHANICAL ATTACHMENT OF BASE SHEET:

The base sheet shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.

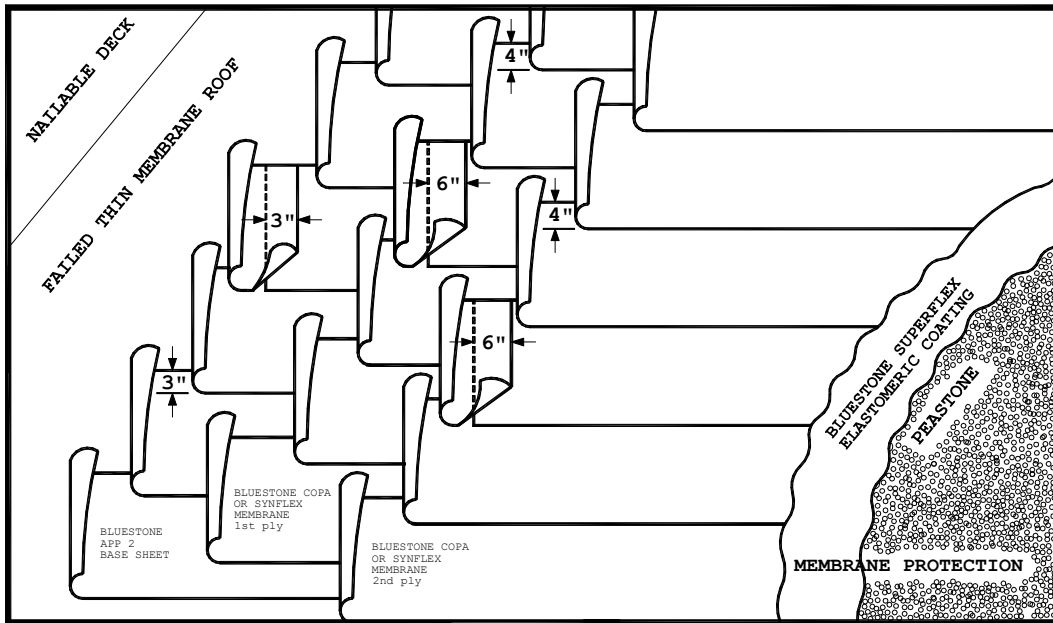
4. MEMBRANE INSTALLATION:

Starting at the low point of the roof, fully adhere one ply of BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 8" and end laps 10". ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. MEMBRANE PROTECTION:

The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS or SUPER DUTY ALUMINUM PAINT are a lightweight options.

NAILABLE DECK
OVER A FAILED MEMBRANE ROOF
RETROFIT



The top ply must have lap
in the center of the underlying ply.

1. TYPE OF DECK:

Plywood, wood plank, gypsum, metal.

2. MATERIALS:

- Acceptable Insulation
- Approved fasteners
- BLUESTONE APP 2 base sheet (optional)
- BLUESTONE COPA 4 membrane (Co Polymer Alloy)
- BLUESTONE SYNIFLEX 4 membrane (SYNthetic FLEXene)
- BLUESTONE SUPERFLEX ELASTOMERIC COATING
- Pea stone, 1/2" fractured stone or slag

3. MECHANICAL ATTACHMENT OF BASE SHEET:

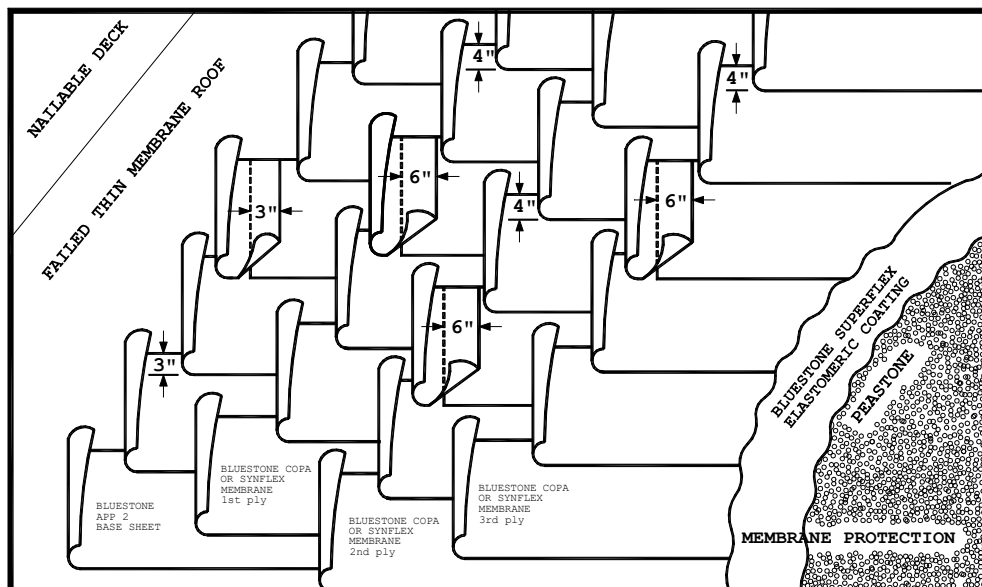
The base sheet shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.

4. MEMBRANE INSTALLATION:

Starting at the low point of the roof, fully adhere the first ply of the BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure once more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. MEMBRANE PROTECTION: The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are lightweight options.

NAILABLE DECK
OVER A FAILED MEMBRANE ROOF
RETROFIT



The top ply must have lap
in the center of the underlying ply.

1. TYPE OF DECK:

Plywood, wood plank, gypsum, metal.

2. MATERIALS:

Acceptable Insulation
Approved fasteners
BLUESTONE APP 2 base sheet (optional)
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
BLUESTONE SUPERFLEX ELASTOMERIC COATING
Pea stone, 1/2" fractured stone or slag

3. MECHANICAL ATTACHMENT OF BASE SHEET:

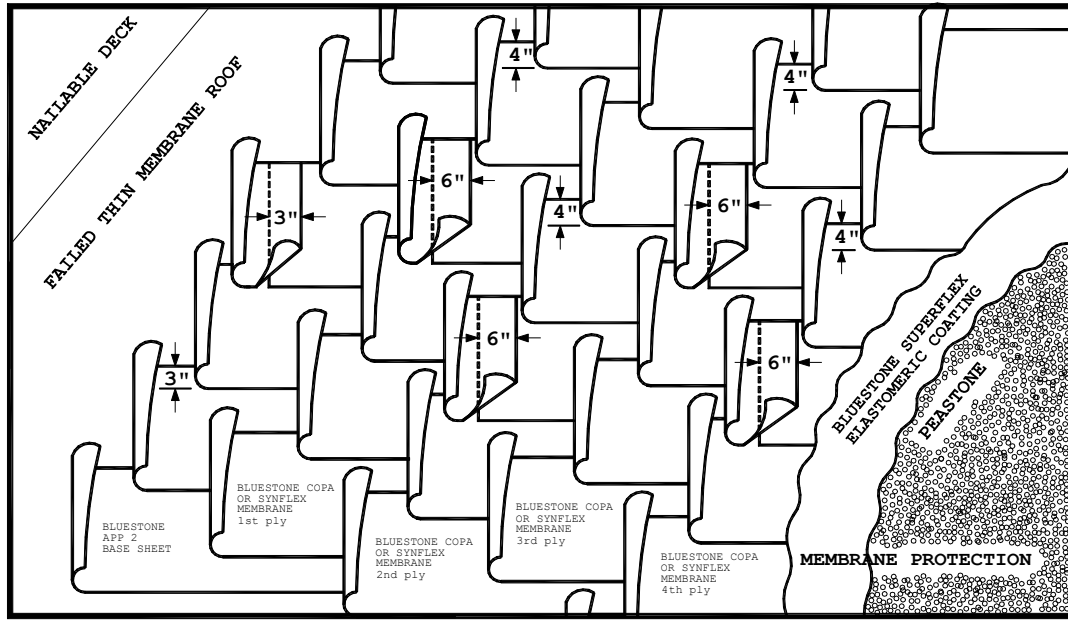
The base sheet shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.

4. MEMBRANE INSTALLATION:

Starting at the low point of the roof, fully adhere the first ply of the BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure twice more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. MEMBRANE PROTECTION: The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are lightweight options.

NAILABLE DECK
OVER A FAILED MEMBRANE ROOF
RETROFIT



The top ply must have lap
in the center of the underlying ply.

1. TYPE OF DECK:

Plywood, wood plank, gypsum, metal.

2. MATERIALS:

- Acceptable Insulation
- Approved fasteners
- BLUESTONE APP 2 base sheet (optional)
- BLUESTONE COPA 4 membrane (Co Polymer Alloy)
- BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
- BLUESTONE SUPERFLEX ELASTOMERIC COATING
- Pea stone, 1/2" fractured stone or slag

3. MECHANICAL ATTACHMENT OF BASE SHEET:

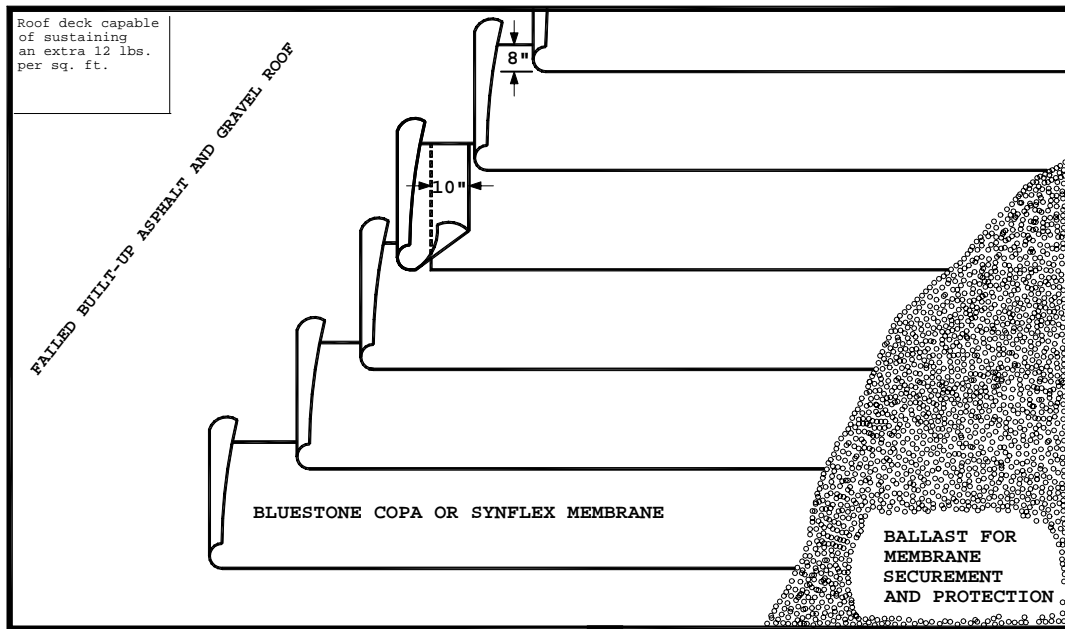
The base sheet shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.

4. MEMBRANE INSTALLATION:

Starting at the low point of the roof, fully adhere the first ply of the BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure thrice more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANE WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. MEMBRANE PROTECTION: The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are lightweight options.

REROOFING (RETROFIT): LOOSE LAID & BALLASTED



1. TYPE OF DECK:

Any deck capable of supporting the extra weight load of 12 lbs. per square ft.
Consult a structural engineer prior to adding the extra weight.

2. MATERIALS:

BASE SHEET; 30 lb felt (OPTIONAL) Recommended with the 160 mil membrane.
BLUESTONE COPA (Co Polymer Alloy) 4, 5, 5.5 or 6 (160, 200, 225, or 250 mil) membrane
BLUESTONE SYNIFLEX (SYNthetic FLEXene) 4, 5, 5.5 or 6 (160, 200, 225, or 250 mil) membrane
2" to 3" stone ballast

3. ROOF PREPARATION:

Sweep the old roof clean. Puncture the old roof with a 1/2 inch drill every 4 square feet to allow trapped moisture to escape and prevent future blisters from forming.

4. MEMBRANE INSTALLATION:

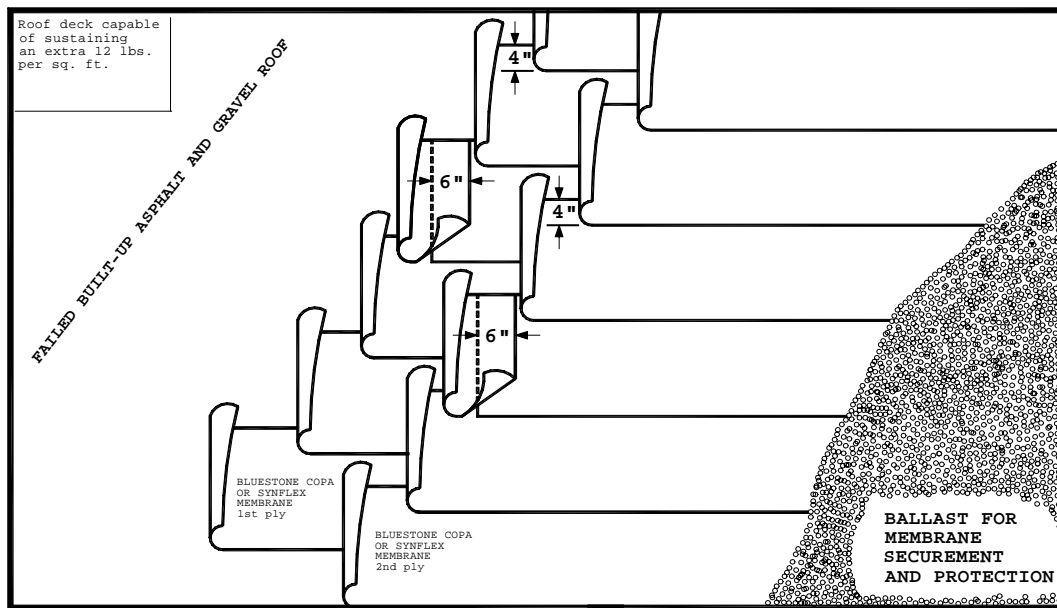
Starting at the low point of the roof, loose lay the BLUESTONE membrane over the failed asphalt and gravel roof. HEAT WELD the seams, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 8" and end laps 10". SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALTS WILL AUTOMATICALLY VOID THE WARRANTY.

5. FLASHING:

Install new .050 aluminum gravel stop with 2 inch raised edge.

6. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be ballasted with 2 to 3 inch stone at a rate of 10 lbs. per square foot.



The top ply must have lap
 in center of the underlying ply.

1. TYPE OF DECK:

Any deck capable of supporting the extra weight load of 12 lbs. per square ft.
Consult a structural engineer prior to adding the extra weight.

2. MATERIALS:

- BLUESTONE COPA 4 membrane (Co Polymer Alloy)
- BLUESTONE SYNflex 4 membrane (SYNthetic FLEXene)
- 2" to 3" stone ballast

3. ROOF PREPARATION:

Sweep the old roof clean. Puncture the old roof with a 1/2" drill every 4 square feet to allow trapped moisture to escape and prevent future blisters from forming.

4. MEMBRANE INSTALLATION:

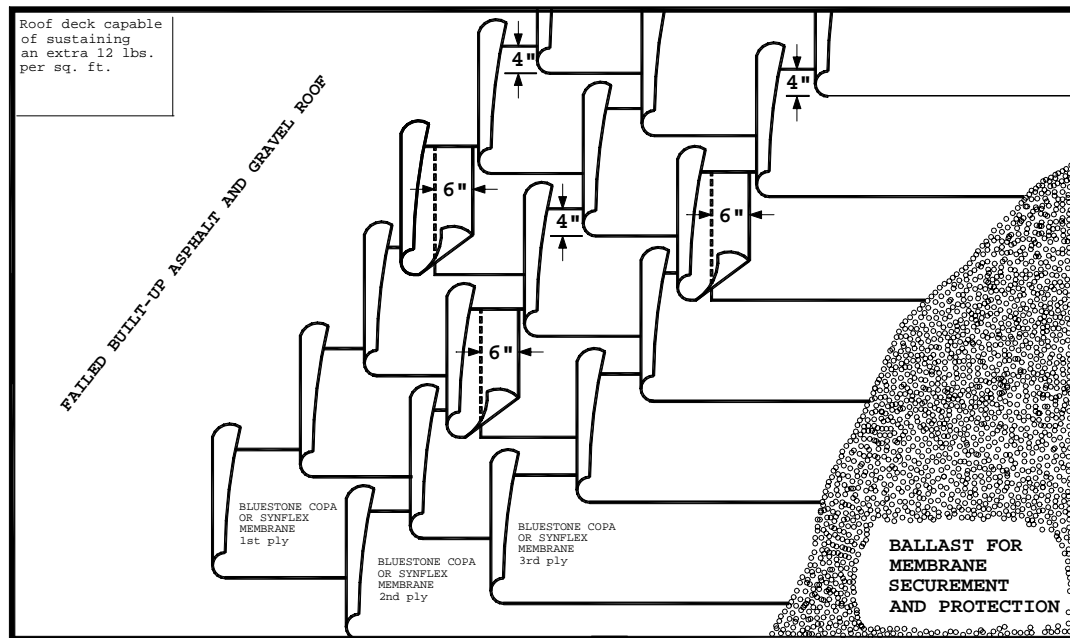
Starting at the low point of the roof deck, loose lay the first ply of BLUESTONE membrane over the surface of the failed asphalt and gravel roof and HEAT WELD the seams, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Fully adhere the second ply to the first ply by HEAT WELDING ONLY. Stagger all of the joints with the previously installed ply a minimum of 4 ft. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. FLASHING:

Install new .050 aluminium gravel stop with 2 inch raised edge.

6. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be ballasted with 2 to 3 inch stone at a rate of 10 lbs. per square foot.



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Any deck capable of supporting the extra weight load of 12 lbs. per sq.ft.
Consult a structural engineer prior to adding the extra weight.

2. MATERIALS:

BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
2" to 3" stone ballast

3. ROOF PREPARATION:

Sweep the old roof clean. Puncture the old roof with a 1/2" drill every 4 square feet to allow trapped moisture to escape and prevent future blisters from forming.

4. MEMBRANE INSTALLATION:

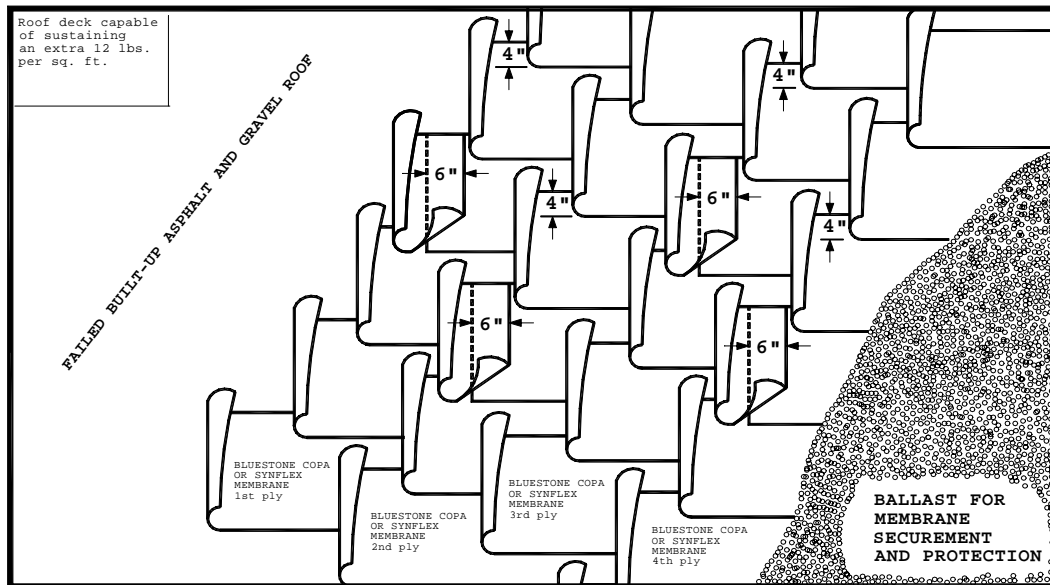
Starting at the low point of the roof deck, loose lay the first ply of BLUESTONE membrane over the surface of the failed asphalt and gravel roof and HEAT WELD the seams, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure twice more, fully adhering to the underlying ply by HEAT WELDING ONLY. Stagger all of the joints with the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANE WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. FLASHING:

Install new .050 aluminum gravel stop with 2 inch raised edge.

6. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be ballasted with 2 to 3 inch stone at a rate of 10 lbs. per square foot.



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Any deck capable of supporting the extra weight load of 12 lbs. per square ft.
Consult a structural engineer prior to adding the extra weight.

2. MATERIALS:

BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
2" to 3" stone ballast

3. ROOF PREPARATION:

Sweep the old roof clean. Puncture the old roof with a 1/2" drill every 4 square feet to allow trapped moisture to escape and prevent future blisters from forming.

4. MEMBRANE INSTALLATION:

Starting at the low point of the roof deck, loose lay the first ply of BLUESTONE membrane over the surface of the failed asphalt and gravel roof and HEAT WELD the seams, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure thrice more, fully adhering to the underlying ply by HEAT WELDING ONLY. Stagger all of the joints with the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANE WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

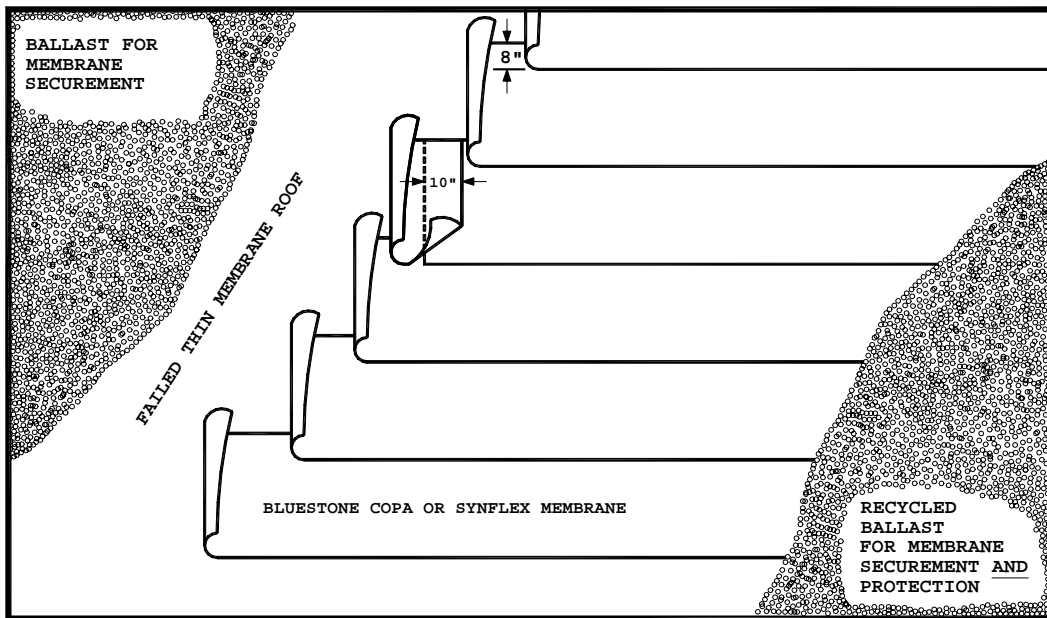
5. FLASHING:

Install new .050 aluminum gravel stop with 2 inch raised edge.

6. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be ballasted with 2 to 3 inch stone at a rate of 10 lbs. per square foot.

OVER A FAILED, LOOSE LAID & BALLASTED MEMBRANE ROOF
RETROFIT



1. TYPE OF DECK:

Must be capable of supporting 12 lbs. per square ft.

2. MATERIALS:

Base sheet; 30 lb felt (OPTIONAL)

BLUESTONE COPA (Co Polymer Alloy) 4, 5, 5.5, or 6 (160, 200, 225 or 250 mil) membrane

BLUESTONE SYNPLEX (SYNthetic FLEXene) 4, 5, 5.5, or 6 (160, 200, 225 or 250 mil) membrane

2" to 3" stone ballast (RECYCLED)

3. MEMBRANE INSTALLATION:

Remove the old ballast and set aside. Starting at the low point of the roof, loose lay a single ply of the BLUESTONE membrane over the failed membrane roof and HEAT WELD the seams, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 8" and end laps 10". SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

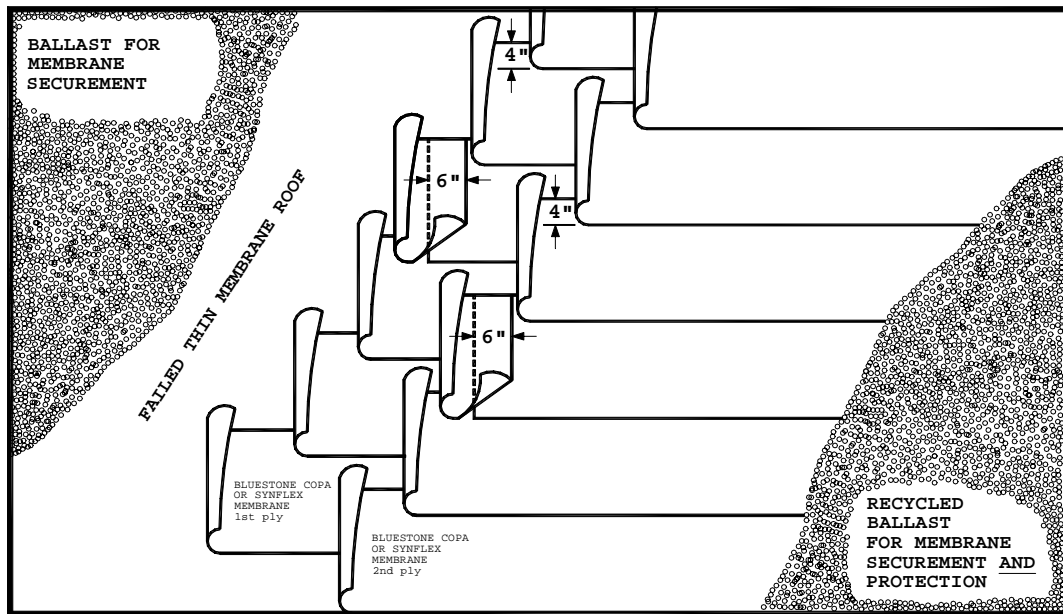
4. FLASHING:

Install new .050 aluminum gravel stop with 2 inch raised edge.

5. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be reballasted with the old stone at a rate of 10 lbs. per sq. ft.

OVER A FAILED, LOOSE LAID & BALLASTED MEMBRANE ROOF
RETROFIT



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Must be capable of supporting 12 lbs. per square ft.

2. MATERIALS:

Base sheet; 30 lb felt (OPTIONAL)
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
2" to 3" stone ballast (RECYCLED)

3. MEMBRANE INSTALLATION:

Remove the old ballast and set aside. Starting at the low point of the roof, loose lay the first ply of the BLUESTONE membrane over the failed membrane roof and HEAT WELD the seams, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure once more, fully adhering to the underlying ply by HEAT WELDING ONLY. Stagger all of the joints with the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

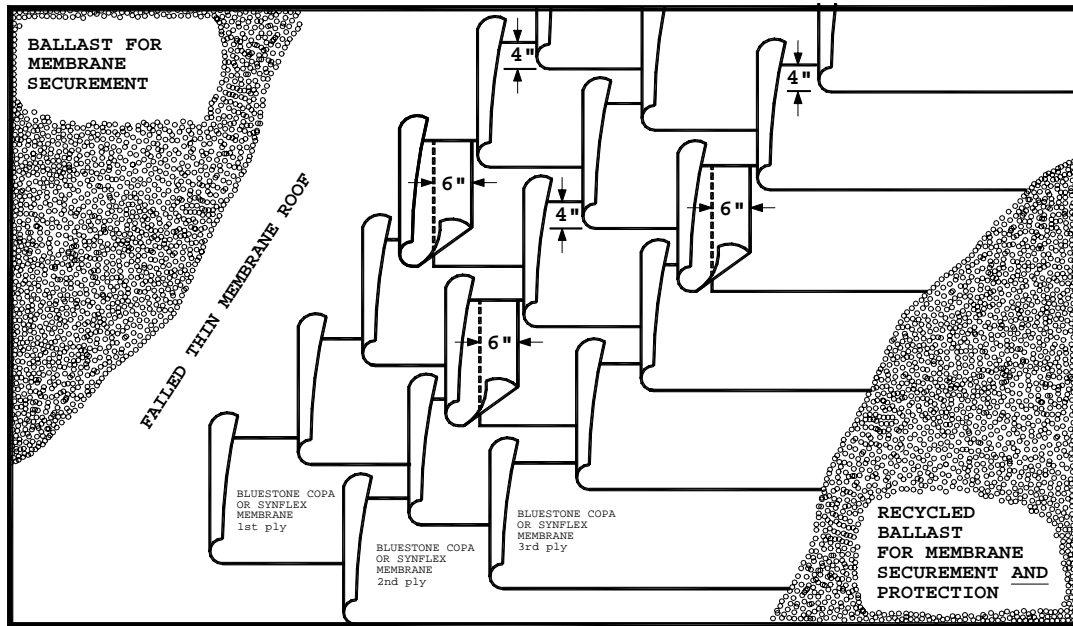
4. FLASHING:

Install new .050 aluminum gravel stop with 2 inch raised edge.

5. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be reballasted with the old stone at a rate of 10 lbs. per sq. ft.

OVER A FAILED, LOOSE LAID & BALLASTED MEMBRANE ROOF
RETROFIT



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Must be capable of supporting 12 lbs. per square ft.

2. MATERIALS:

Base sheet; 30 lb felt (OPTIONAL)
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
2" to 3" stone ballast (RECYCLED)

3. MEMBRANE INSTALLATION:

Remove the old ballast and set aside. Starting at the low point of the roof, loose lay the first ply of the BLUESTONE membrane over the failed membrane roof and HEAT WELD the seams, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure twice more, fully adhering to the underlying ply by HEAT WELDING ONLY. Stagger all of the joints with the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

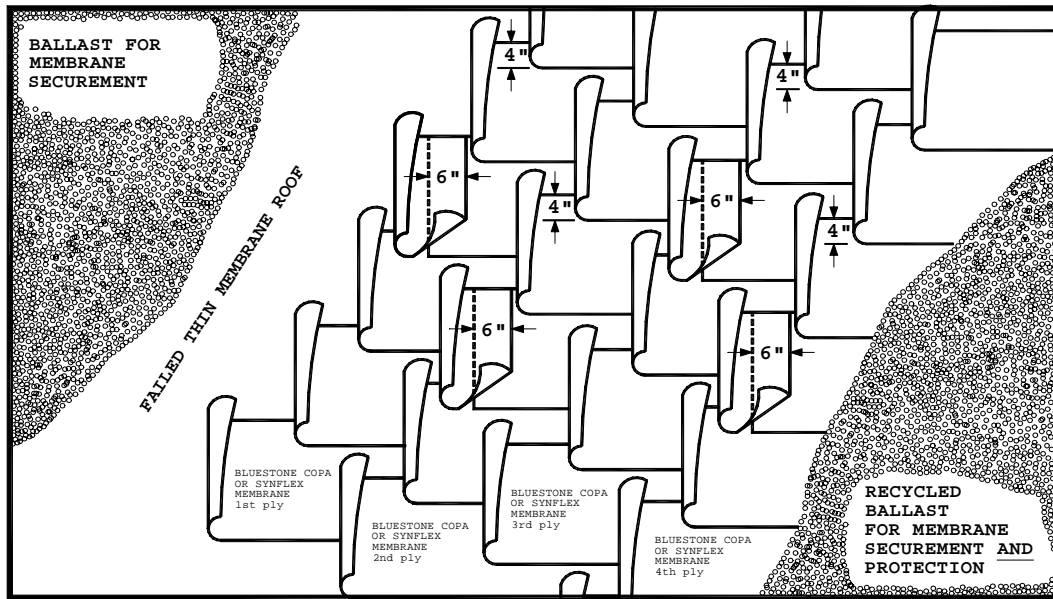
4. FLASHING:

Install new .050 aluminum gravel stop with 2 inch raised edge.

5. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be reballasted with the old stone at a rate of 10 lbs. per sq. ft.

OVER A FAILED, LOOSE LAID & BALLASTED MEMBRANE ROOF
RETROFIT



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Must be capable of supporting 12 lbs. per square ft.

2. MATERIALS:

Base sheet; 30 lb felt (OPTIONAL)
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
2" to 3" stone ballast (RECYCLED)

3. MEMBRANE INSTALLATION:

Remove the old ballast and set aside. Starting at the low point of the roof, loose lay the first ply of the BLUESTONE membrane over the failed membrane roof and HEAT WELD the seams, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure thrice more, fully adhering to the underlying ply by HEAT WELDING ONLY. ADHERING AND SEAMING THE BLUESTONE MEMBRANE WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

4. FLASHING:

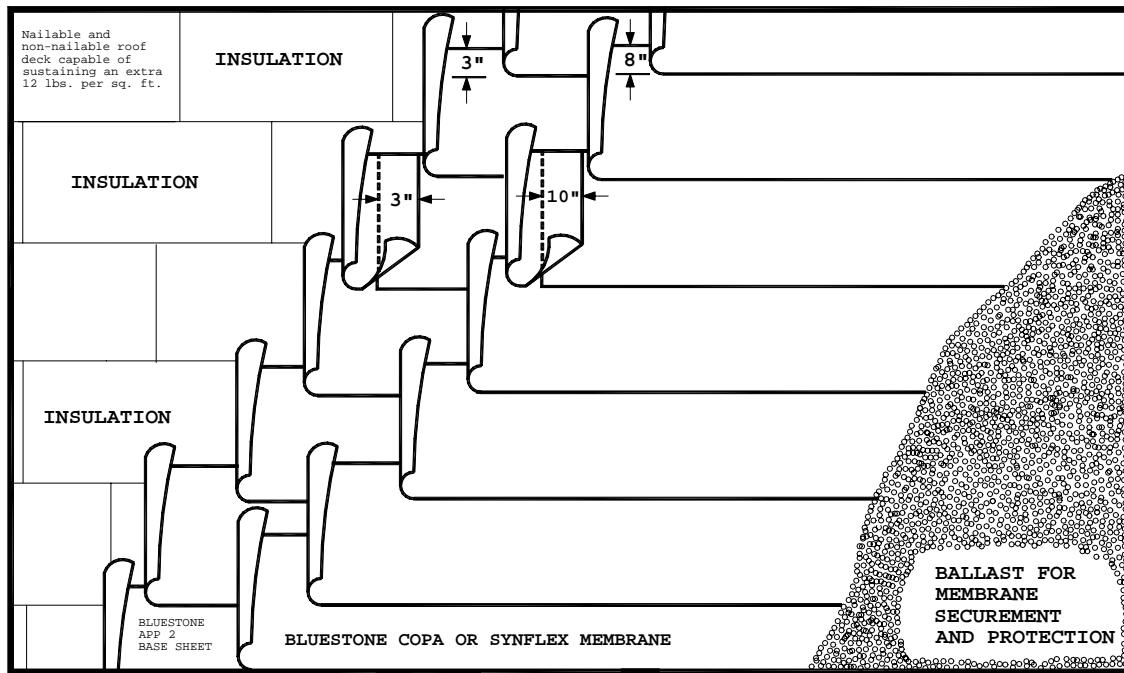
Install new .050 aluminum gravel stop with 2 inch raised edge.

5. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be reballasted with the old stone at a rate of 10 lbs. per sq. ft.

NEW CONSTRUCTION: LOOSE LAID & BALLASTED

NAILABLE OR NON-NAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION



1. TYPE OF DECK:

Must be capable of supporting 12 lbs. per square ft.

2. MATERIALS:

Vapour barrier (OPTIONAL)

Acceptable insulation

Base sheet (30 lb felt)

BLUESTONE COPA (Co Polymer Alloy) 4, 5, 5.5, or 6 (160, 200, 225 or 250 mil) membrane

BLUESTONE SYNPLEX (SYNthetic FLEXene) 4, 5, 5.5, or 6 (160, 200, 225 or 250 mil) membrane

2" to 3" stone ballast

3. INSULATION INSTALLATION:

After the vapour barrier is installed, the insulation will be laid over the decking and vapour barrier in a staggered fashion.

4. MEMBRANE INSTALLATION:

Starting at the low point of the roof deck, loose lay one sheet of 30 lb. felt over the insulation. This is to protect the insulation from the heat application process. Starting at the low point of the roof, loose lay the BLUESTONE membrane and HEAT WELD the seams. 8" side laps and 10" end laps are recommended. All of the end laps must be staggered a minimum of 4 ft. SEAMING THE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. FLASHING:

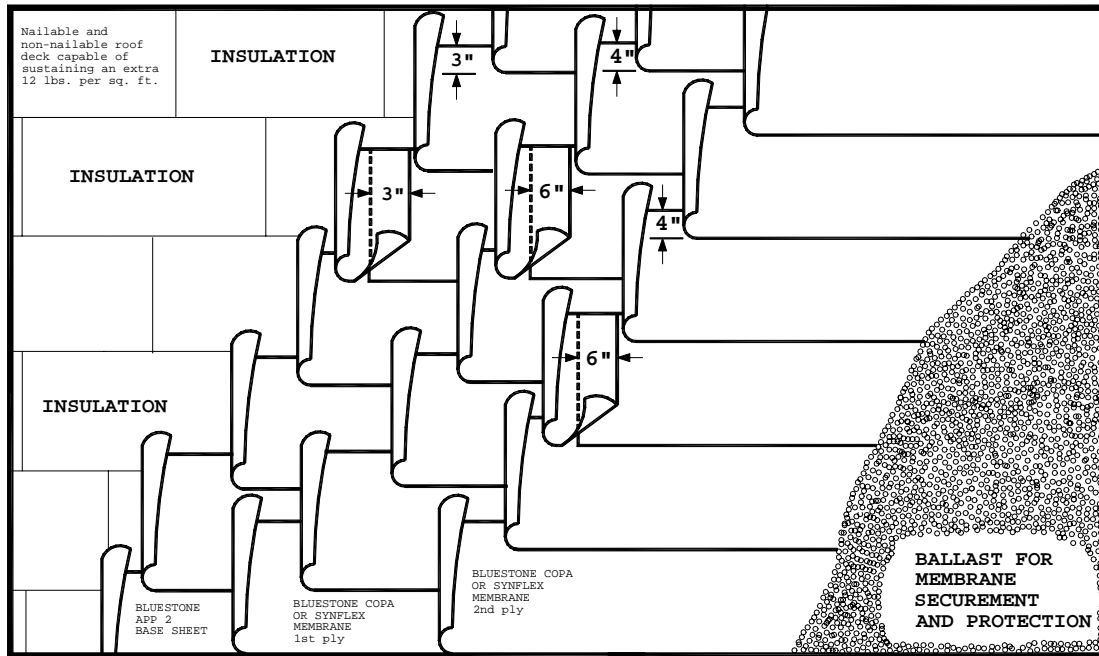
Install new .050 aluminium gravel stop with 2 inch raised edge.

6. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be ballasted with 2 to 3 inch stone at a rate of 10 lbs. per square foot.

This roofing system is very price competitive and comes with a real, 10 year warranty.

NAILABLE OR NON-NAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Must be capable of supporting 12 lbs. per sq. ft.

2. MATERIALS:

- Vapour barrier (OPTIONAL)
- Acceptable insulation
- Base sheet (30 lb felt)
- BLUESTONE COPA 4 membrane (Co Polymer Alloy)
- BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
- 2" to 3" stone ballast

3. INSULATION INSTALLATION:

After the vapour barrier is installed, the insulation will be laid over the decking and vapour barrier in a staggered fashion.

4. MEMBRANE INSTALLATION:

Starting at the low point of the roof deck, loose lay one sheet of 30 lb. felt over the insulation. This is to protect the insulation from the heat application process. Starting at the low point of the roof, loose lay the first ply of the BLUESTONE membrane and HEAT WELD the seams, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure once more, fully adhering by HEAT WELDING to the underlying ply and staggering all of the joints with the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

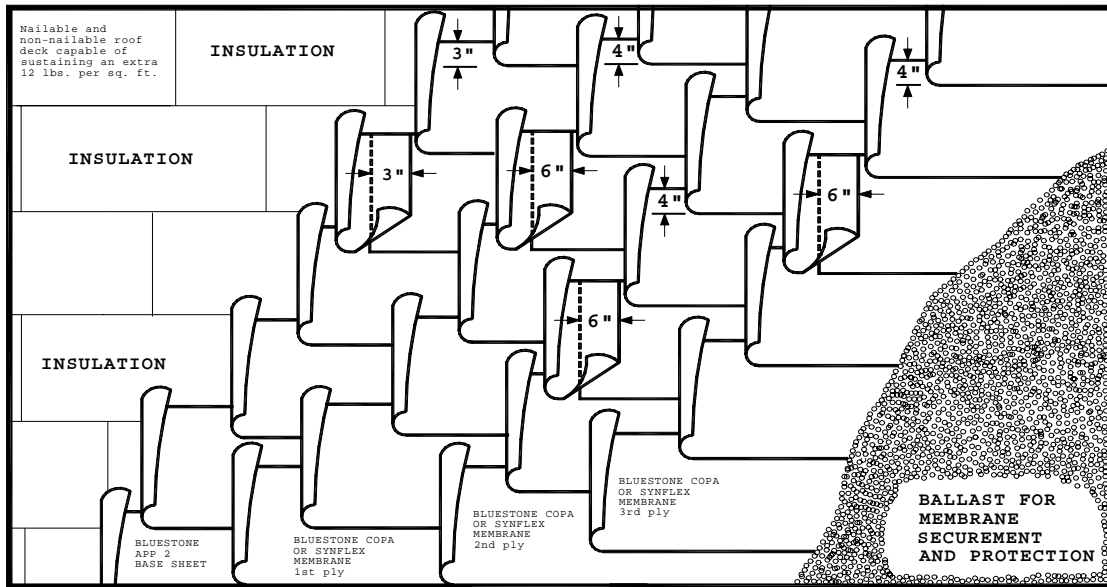
5. FLASHING:

Install new .050 aluminium gravel stop with 2 inch raised edge.

6. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be ballasted with 2 to 3 inch stone at a rate of 10 lbs per square foot.

NAILABLE DECK OR NON-NAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Must be capable of supporting 12 lbs. per square ft.

2. MATERIALS:

Vapor barrier (OPTIONAL)
Acceptable insulation
Base sheet (30 lb felt)
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
2" to 3" stone ballast

3. INSULATION INSTALLATION:

After the vapor barrier is installed, the insulation will be laid over the decking and vapor barrier in a staggered fashion.

4. MEMBRANE INSTALLATION:

Starting at the low point of the roof deck, loose lay one sheet of 30 lb. felt over the insulation. This is to protect the insulation from the heat application process. Starting at the low point of the roof, loose lay the first ply of the BLUESTONE membrane and HEAT WELD the seams, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure twice more, fully adhering by HEAT WELDING to the underlying ply and staggering all of the joints with the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

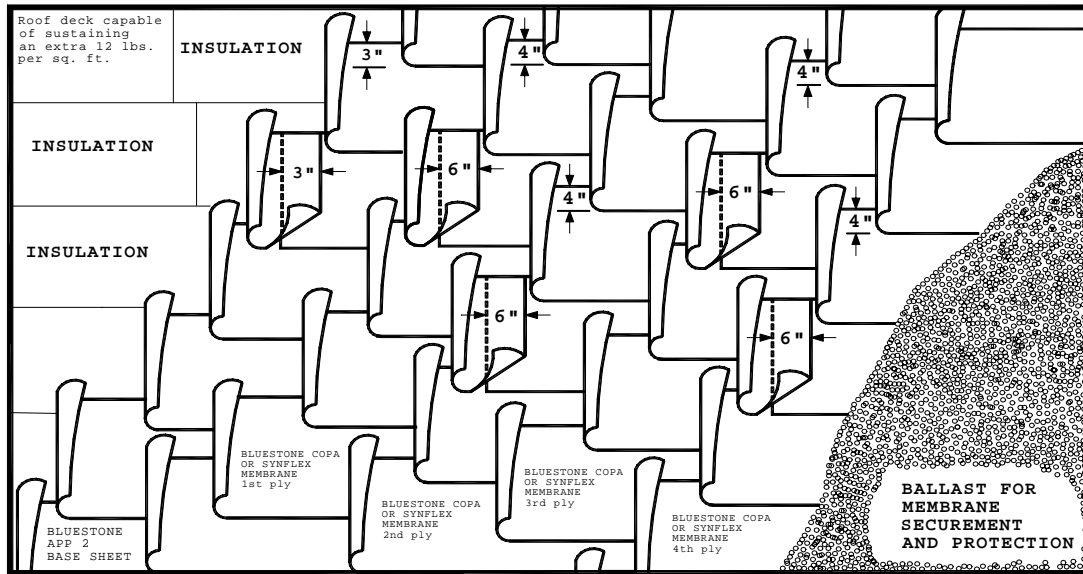
5. FLASHING:

Install new .050 aluminum gravel stop with 2 inch raised edge.

6. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be ballasted with 2 to 3 inch stone at a rate of 10 lbs. per square foot.

NAILABLE OR NON-NAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Must be capable of supporting 12 lbs. per sq. ft.

2. MATERIALS:

- Vapor barrier (OPTIONAL)
- Acceptable insulation
- Base sheet (30 lb felt)
- BLUESTONE COPA 4 membrane (Co Polymer Alloy)
- BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
- 2" to 3" stone ballast

3. INSULATION INSTALLATION:

After the vapor barrier is installed, the insulation will be laid over the decking and vapor barrier in a staggered fashion.

4. MEMBRANE INSTALLATION:

Starting at the low point of the roof deck, loose lay one sheet of 30 lb. felt over the insulation. This is to protect the insulation from the heat application process. Starting at the low point of the roof, loose lay the first ply of the BLUESTONE membrane and HEAT WELD the seams, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure thrice more, fully adhering by HEAT WELDING to the underlying ply and staggering all of the joints with the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANE WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. FLASHING:

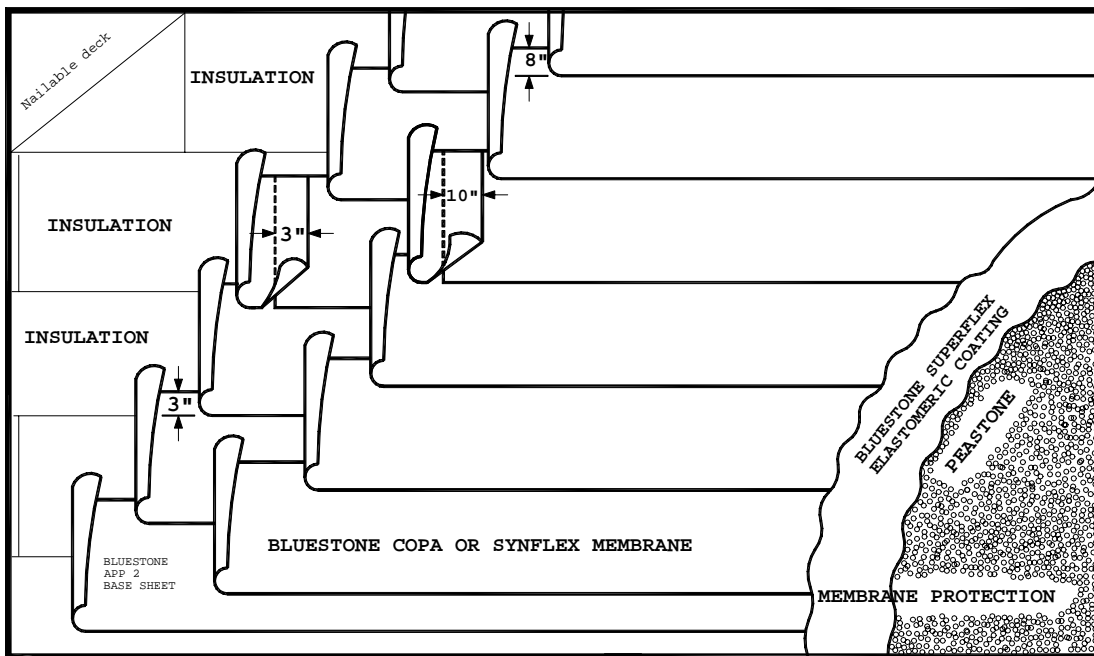
Install new .050 aluminum gravel stop with 2 inch raised edge.

6. MEMBRANE SECUREMENT AND PROTECTION:

The new roof will be ballasted with 2 to 3 inch stone at a rate of 10 lbs per square foot.

NEW CONSTRUCTION: FULLY ADHERED

NAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION



The Bluestone membrane should have lap
in the center of the base sheet.

1. TYPE OF DECK:

Plywood, wood plank, gypsum, metal.

2. MATERIALS:

Vapor barrier (OPTIONAL)
Acceptable insulation
Approved fasteners
BLUESTONE APP 2 base sheet
BLUESTONE COPA (Co Polymer Alloy) 4, 5, 5.5 or 6 (160, 200, 225 or 250 mil)
BLUESTONE SYNPLEX (SYNthetic FLEXene) 4, 5, 5.5 or 6 (160, 200, 225 or 250 mil)
BLUESTONE SUPERFLEX ELASTOMERIC COATING
Pea stone, 1/2" fracture stone or slag

3. MECHANICAL ATTACHMENT OF INSULATION AND BASE SHEET:

Roof insulation and base sheet shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.

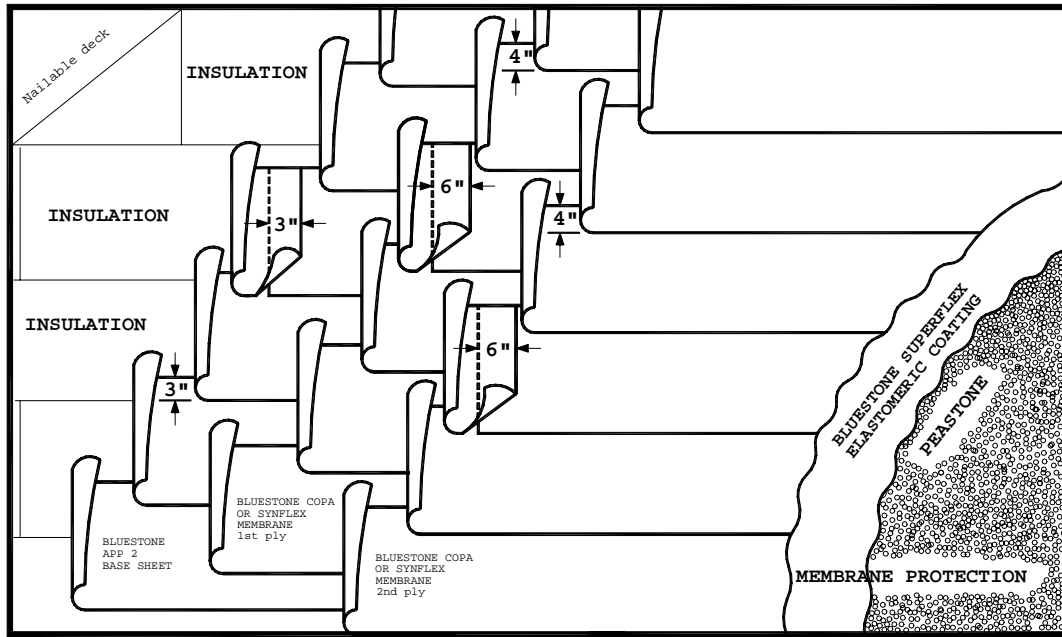
4. MEMBRANE INSTALLATION:

Starting at the low point of the roof deck, fully adhere one ply of BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 8" and end laps 10". ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. MEMBRANE PROTECTION:

The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM paint are lightweight options.

NAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:

Plywood, wood plank, gypsum, metal

2. MATERIALS:

Vapor barrier (OPTIONAL)
Acceptable insulation
Approved fasteners
BLUESTONE APP 2 base sheet
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
BLUESTONE SUPERFLEX ELASTOMERIC COATING
Pea stone, 1/2" fractured stone or slag

3. MECHANICAL ATTACHMENT OF INSULATION AND BASE SHEET:

Roof insulation and base sheet shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.

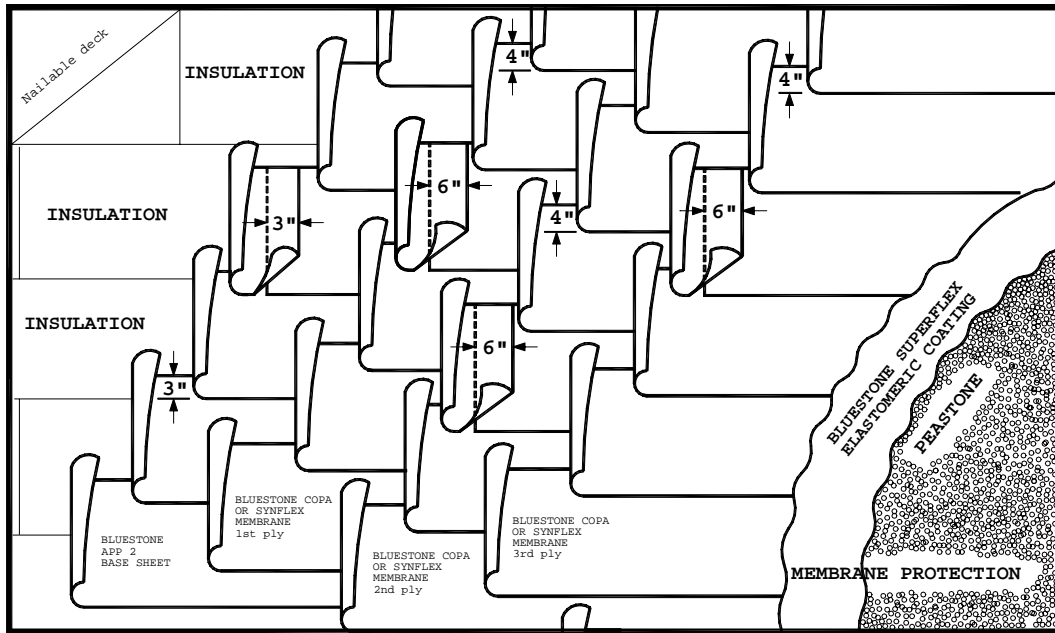
4. MEMBRANE INSTALLATION:

Starting at the low point of the roof deck, fully adhere the first ply of BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure once more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. MEMBRANE PROTECTION:

The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are lightweight options.

NAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION



The top ply must have lap
in the center of the underlying ply.

1. TYPE OF DECK:

Plywood, wood plank, gypsum, metal.

2. MATERIALS:

Vapor barrier (OPTIONAL)
Acceptable insulation
Approved fasteners
BLUESTONE APP 2 base sheet
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNIFLEX 4 membrane (SYNthetic FLEXene)
BLUESTONE SUPERFLEX ELASTOMERIC COATING
Pea stone, 1/2" fractured stone or slag

3. MECHANICAL ATTACHMENT OF INSULATION AND BASE SHEET:

Roof insulation and base sheet shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. All insulation boards will be staggered. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.

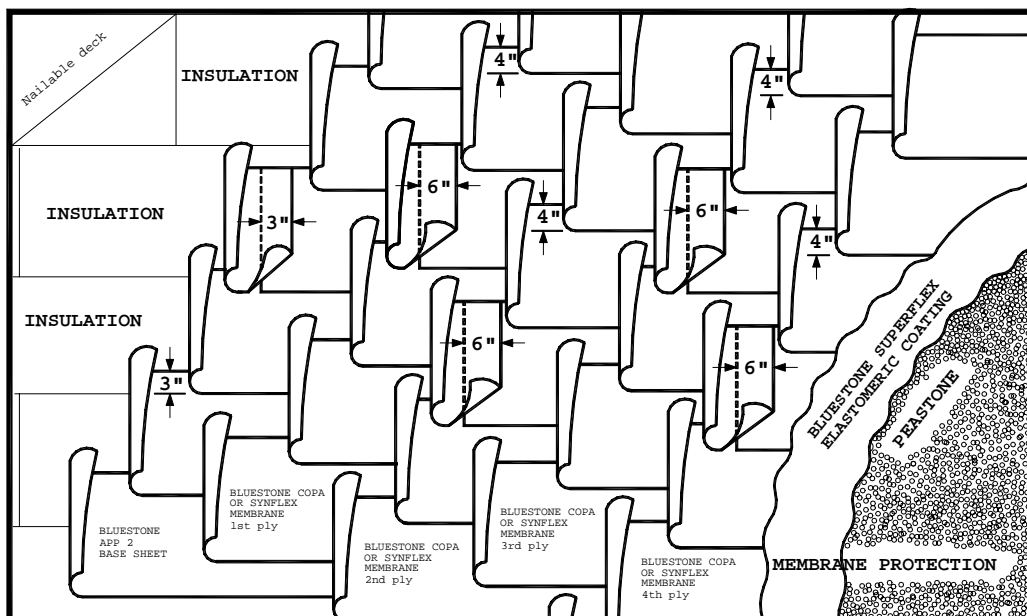
4. MEMBRANE INSTALLATION:

Starting at the low point of the roof deck, fully adhere the first ply of BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure twice more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. MEMBRANE PROTECTION:

The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are lightweight options.

NAAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION



The top ply must have lap
in the center of the underlying ply.

1. TYPE OF DECK:

Plywood, wood plank, gypsum, metal

2. MATERIALS:

Vapor barrier (OPTIONAL)
Acceptable insulation
Approved fasteners
BLUESTONE APP 2 base sheet
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
BLUESTONE SUPERFLEX ELASTOMERIC COATING
Pea stone, 1/2" fractured stone or slag

3. MECHANICAL ATTACHMENT OF INSULATION AND BASE SHEET:

Roof insulation and base sheet shall be mechanically attached to the underlying roof deck using the architect approved number of fasteners. All insulation boards will be staggered. The base sheet shall have 3" overlaps and extend up the walls a minimum of 2 inches past the cant strip.

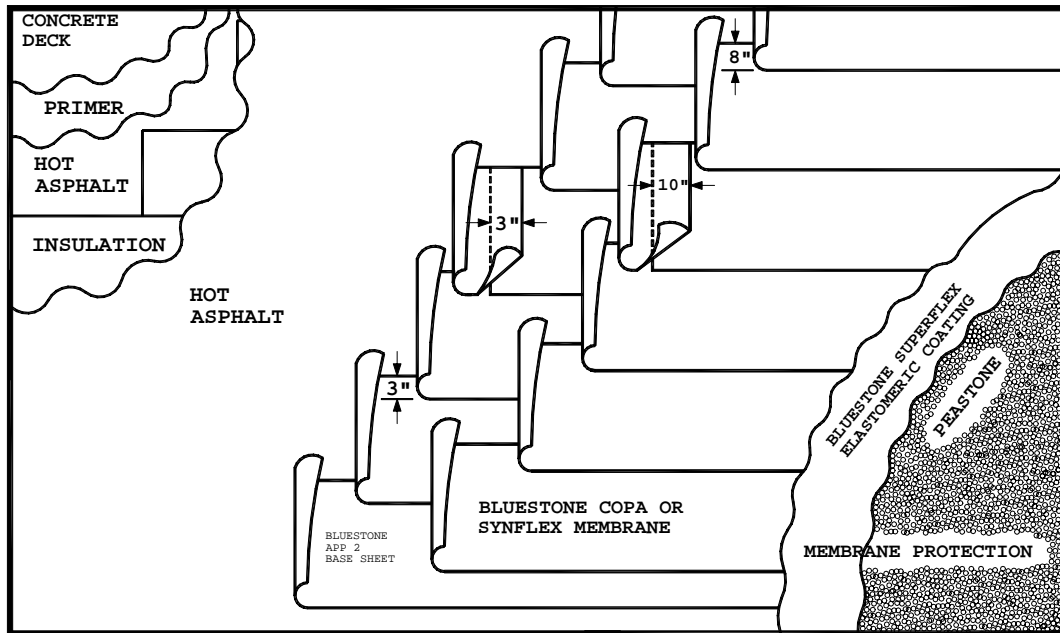
4. MEMBRANE INSTALLATION:

Starting at the low point of the roof deck, fully adhere one layer of BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure thrice more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANE WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.

5. MEMBRANE PROTECTION:

The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are a lightweight option.

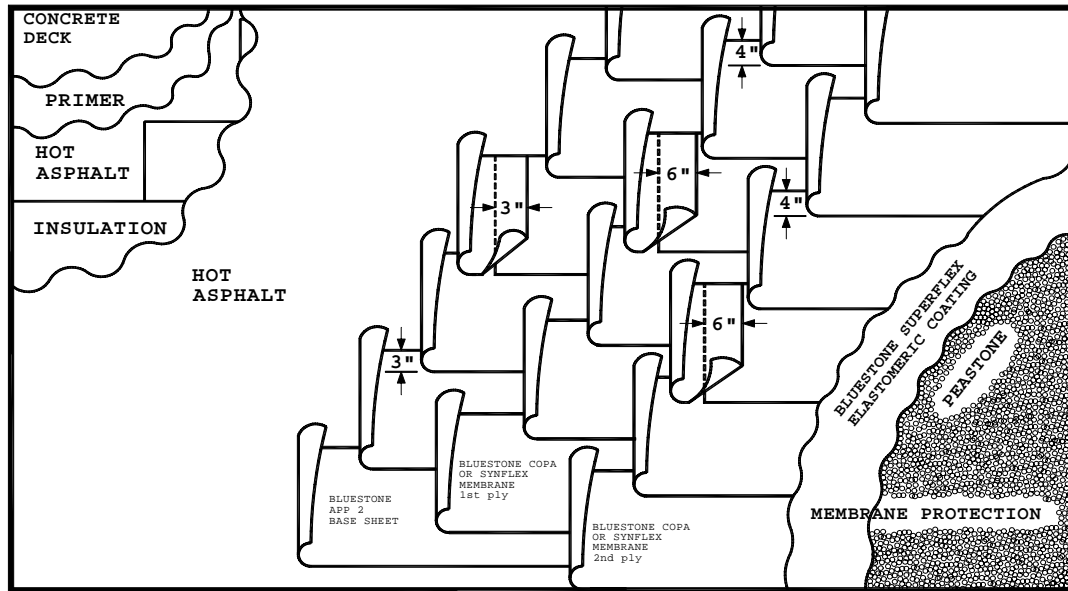
NON-NAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION



The top ply must have lap
in center of the base sheet.

1. TYPE OF DECK;
Poured in place structural concrete, precast concrete.
2. MATERIALS:
Asphalt primer, ASTM D41 or equal
Type III asphalt to adhere insulation to deck
Type I or Type II ASTM D312 asphalt to adhere base sheet to insulation
Acceptable insulation
BLUESTONE APP 2 base sheet
BLUESTONE COPA 6 membrane (Co Polymer Alloy)
BLUESTONE SYNIFLEX 6 membrane (SYNthetic FLEXene)
BLUESTONE SUPERFLEX ELASTOMERIC COATING
Pea stone, 1/2" fractured stone or slag
3. ROOF DECK:
Prime the roof deck and any vertical surfaces with asphalt primer at a rate of no less than 1/2 gallon per 100 square feet and allow to dry.
4. ATTACHMENT WITH HOT ASPHALT:
Install insulation and base sheet starting at the low point of the roof deck. Solid mop the primed concrete deck with Type III asphalt at a rate of 25 to 30 lbs. per 100 square feet and set insulation in the asphalt while hot. Insulation joints are to be staggered and applied perpendicular to the roof deck slope. Over the insulation, solid mop the base sheet using Type I or Type II asphalt at a rate of 25 to 30 lbs. per 100 square feet. Base sheet shall be lapped 2" on the sides and 4" on the end, and extend 2" past the cant or 2" up the vertical wall. NOTE: Contact each roof insulation manufacturer for attachment specifications and compatibility with asphalt.
5. MEMBRANE INSTALLATION:
Starting at the low point of the roof deck, fully adhere one layer of BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4". Side laps must be 8" and end laps 10". ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.
6. MEMBRANE PROTECTION:
The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are lightweight options.

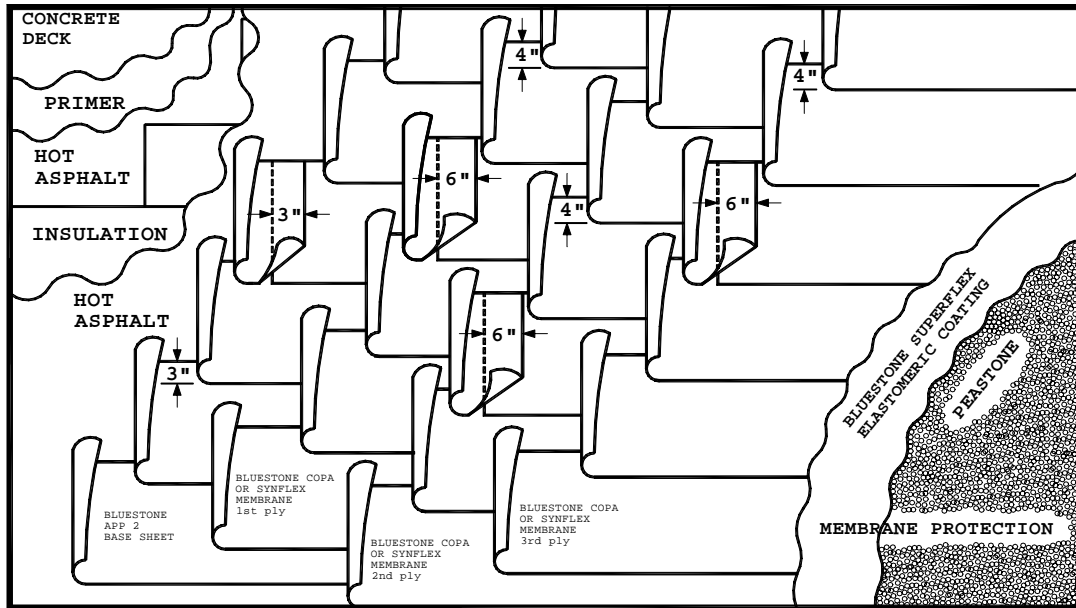
NON-NAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:
Poured in place structural concrete, precast concrete.
2. MATERIALS:
Asphalt primer, ASTM D41 or equal
Type III asphalt to adhere insulation to deck
Type I or Type II ASTM D312 asphalt to adhere base sheet to insulation
Acceptable insulation
BLUESTONE APP 2 base sheet
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNflex 4 membrane (SYNthetic FLEXene)
BLUESTONE SUPERflex ELASTOMERIC COATING
Pea stone, 1/2" fractured stone or slag
3. ROOF DECK:
Prime the roof deck and any vertical surfaces with asphalt primer at a rate of no less than 1/2 gallon per 100 square feet and allow to dry.
4. ATTACHMENT WITH HOT ASPHALT:
Install insulation and base sheet starting at the low point of the roof deck. Solid mop the primed concrete deck with Type III asphalt at a rate of 25 to 30 lbs. per 100 square feet and set insulation in the asphalt while hot. Insulation joints are to be staggered and applied perpendicular to the roof deck slope. Over the insulation, solid mop the base sheet using Type I or Type II asphalt at a rate of 25 to 30 lbs. per 100 square feet. Base sheet shall be lapped 2" on the sides and 4" on the end, and extend 2" past the cant or 2" up the vertical wall. NOTE: Contact each roof insulation manufacturer for attachment specifications and compatibility with asphalt.
5. MEMBRANE INSTALLATION:
Starting at the low point of the roof deck, fully adhere the first ply of BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure once more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.
6. MEMBRANE PROTECTION:
The new roof will be coated with BLUESTONE SUPERflex ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are lightweight options.

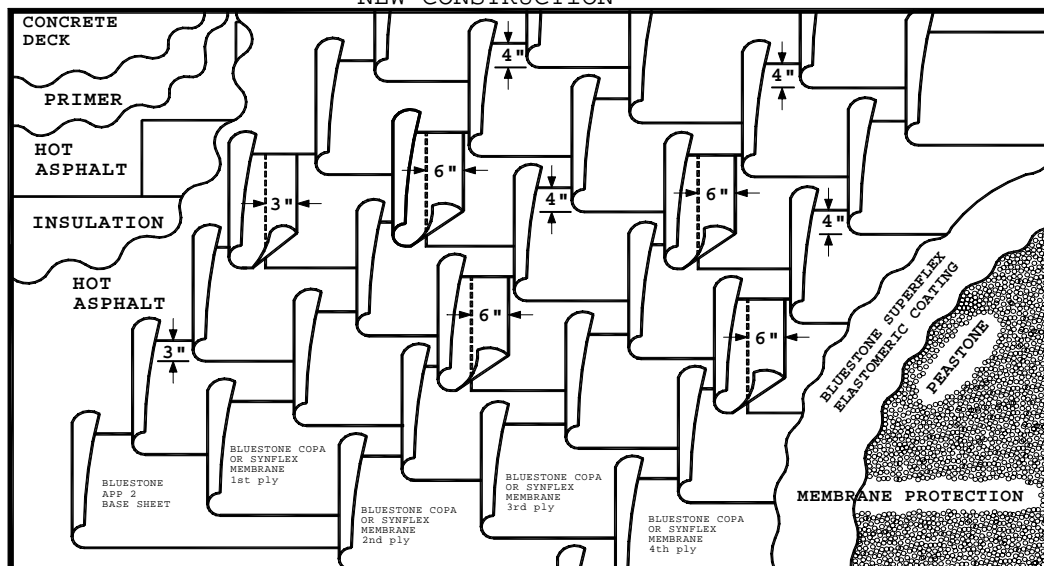
NON-NAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION



The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:
Poured in place structural concrete, precast concrete.
2. MATERIALS:
Asphalt primer, ASTM D41 or equal
Type III asphalt to adhere insulation to deck
Type I or Type II ASTM D312 asphalt to adhere base sheet to insulation
Acceptable insulation
BLUESTONE APP 2 base sheet
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNIFLEX 4 membrane (SYNTHETIC FLEXene)
BLUESTONE SUPERFLEX ELASTOMERIC COATING
Pea stone, 1/2" fractured stone or slag
3. ROOF DECK:
Prime the roof deck and any vertical surfaces with asphalt primer at a rate of no less than 1/2 gallon per 100 square feet and allow to dry.
4. ATTACHMENT WITH HOT ASPHALT:
Install insulation and base sheet starting at the low point of the roof deck. Solid mop the primed concrete deck with Type III asphalt at a rate of 25 to 30 lbs. per 100 square feet and set insulation in the asphalt while hot. Insulation joints are to be staggered and applied perpendicular to the roof deck slope. Over the insulation, solid mop the base sheet using Type I or Type II asphalt at a rate of 25 to 30 lbs. per 100 square feet. Base sheet shall be lapped 2" on the sides and 4" on the end, and extend 2" past the cant or 2" up the vertical wall. NOTE: Contact each roof insulation manufacturer for attachment specifications and compatibility with asphalt.
5. MEMBRANE INSTALLATION:
Starting at the low point of the roof deck, fully adhere the first ply of BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure twice more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.
6. MEMBRANE PROTECTION:
The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft, and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are lightweight options.

NON-NAILABLE DECK
WITH INSULATION
NEW CONSTRUCTION

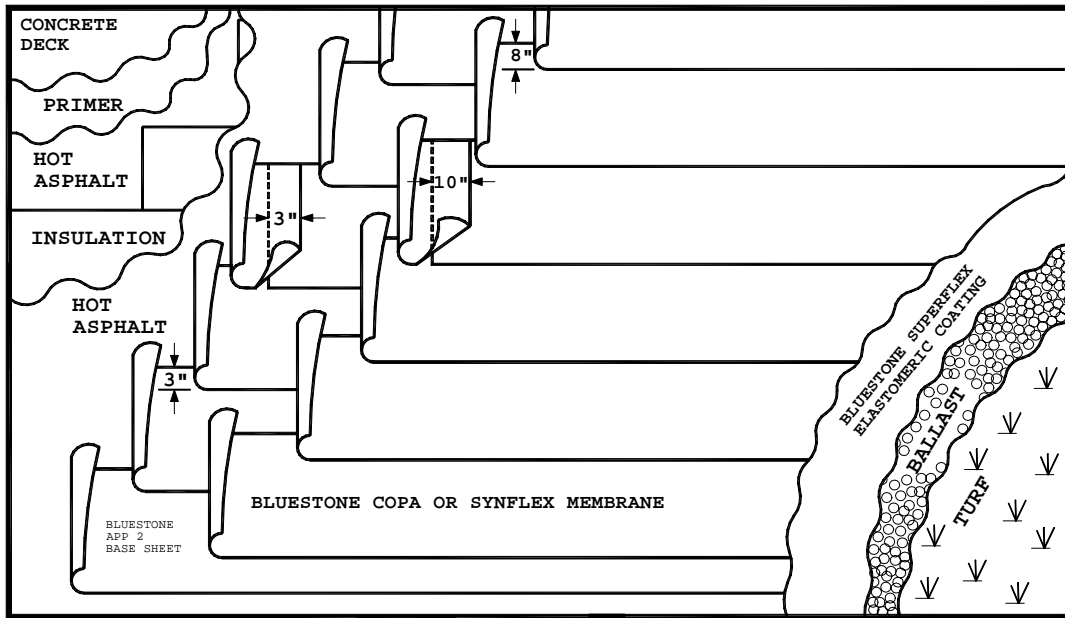


The top ply must have lap
in center of the underlying ply.

1. TYPE OF DECK:
Poured in place structural concrete, precast concrete.
2. MATERIALS:
Asphalt primer, ASTM D41 or equal
Type III asphalt to adhere insulation to deck
Type I or Type II ASTM D312 asphalt to adhere base sheet to insulation
Acceptable insulation
BLUESTONE APP 2 base sheet
BLUESTONE COPA 4 membrane (Co Polymer Alloy)
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)
BLUESTONE SUPERFLEX ELASTOMERIC COATING
Pea stone, 1/2" fractured stone or slag
3. ROOF DECK:
Prime the roof deck and any vertical surfaces with asphalt primer at a rate of no less than 1/2 gallon per 100 square feet and allow to dry.
4. ATTACHMENT WITH HOT ASPHALT:
Install insulation and base sheet starting at the low point of the roof deck. Solid mop the primed concrete deck with Type III asphalt at a rate of 25 to 30 lbs. per 100 square feet and set insulation in the asphalt while hot. Insulation joints are to be staggered and applied perpendicular to the roof deck slope. Over the insulation, solid mop the base sheet using Type I or Type II asphalt at a rate of 25 to 30 lbs. per 100 square feet. Base sheet shall be lapped 2" on the sides and 4" on the end, and extend 2" past the cant or 2" up the vertical wall. NOTE: Contact each roof insulation manufacturer for attachment specifications and compatibility with asphalt.
5. MEMBRANE INSTALLATION:
Starting at the low point of the roof deck, fully adhere the first ply of BLUESTONE membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure thrice more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANE WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.
6. MEMBRANE PROTECTION:
The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with pea stone, 1/2" fractured stone or slag at a minimum rate of 2 lbs. per sq. ft. On roofs that pond water, BLUESTONE F.A.R., (Flat Asphalt Roofcoating) is recommended at a rate of 7 gallons per 100 sq. ft. and covered with the afore mentioned stone at a minimum rate of 3 lbs. per sq. ft. SUNSHIELD ALUMINUM CHIPS and SUPER DUTY ALUMINUM PAINT are lightweight options.

GREEN ROOFS

NON-NAILABLE DECK
WITH INSULATION

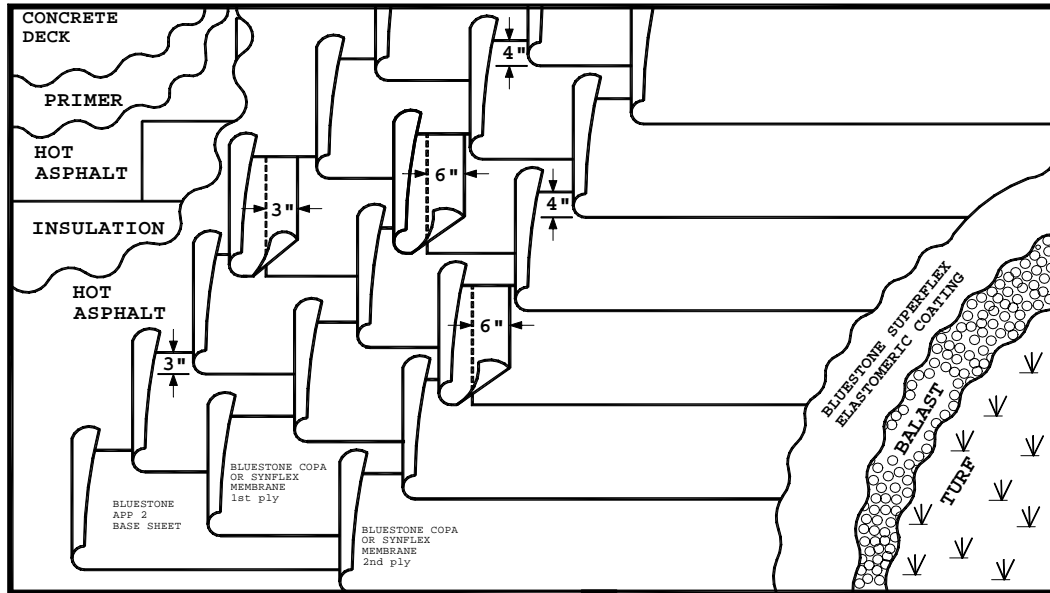


The top ply must have lap
in center of the underlying ply

1. TYPE OF DECK:
Poured in place structural concrete precast concrete.
2. MATERIALS:

Asphalt primer, ASTM D41 or equal	OPTIONAL
Asphalt ASTM D312 Type II or Type III	OPTIONAL
Acceptable insulation	OPTIONAL
BLUESTONE APP 2 base sheet	OPTIONAL
BLUESTONE COPA 4 membrane (Co Polymer Alloy)	
BLUESTONE SYNIFLEX 4 membrane (SYNthetic FLEXene)	
BLUESTONE SUPERFLEX ELASTOMERIC COATING	OPTIONAL
2 to 3 inch stone	
Loam and grass seeds	
3. ROOF DECK:
Prime the roof deck and any vertical surfaces with asphalt primer at a rate of no less than 1/2 gallon per 100 square feet and allow to dry.
4. ATTACHMENT WITH HOT ASPHALT: **OPTIONAL** * THE BALLAST AND LOAM WILL WEIGH APPROXIMATELY 20 LBS. PER SQUARE FOOT AND ADEQUATELY ANCHOR THE ROOFING SYSTEM:
Install insulation and base sheet starting at the low point of the roof deck. Solid mop the primed concrete deck with Type II or Type III asphalt at a rate of 25 to 30 lbs. per 100 sq. ft. and set insulation in the asphalt while hot. Insulation joints are to be staggered and applied perpendicular to the roof deck slope. Over the insulation, solid mop the base sheet using Type II or Type III asphalt at a rate of 25 to 30 lbs. per 100 sq. ft. Base sheet shall be lapped 2" on the sides and 4" on the end and extend 2" past the cant or 2" up the vertical wall.
NOTE: Contact each roof insulation manufacturer for attachment specifications and compatibility with asphalt.
5. MEMBRANE INSTALLATION:
Starting at the low point of the roof deck, fully adhere one layer of 250 mil BLUESTONE COPA 6 or SYNIFLEX 6 membrane by **HEAT WELDING** to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 8" and end laps 10". **ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.**
6. MEMBRANE PROTECTION:
The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with 2 to 3 inch stone at a rate of approximately 10 lbs. per sq. ft. Allow to cure for one year.
7. TURF INSTALLATION:
Once the roof has cured for a year, cover the roof with loam to whatever thickness is desired and immediately seed the loam.

NON-NAILABLE DECK
WITH INSULATION

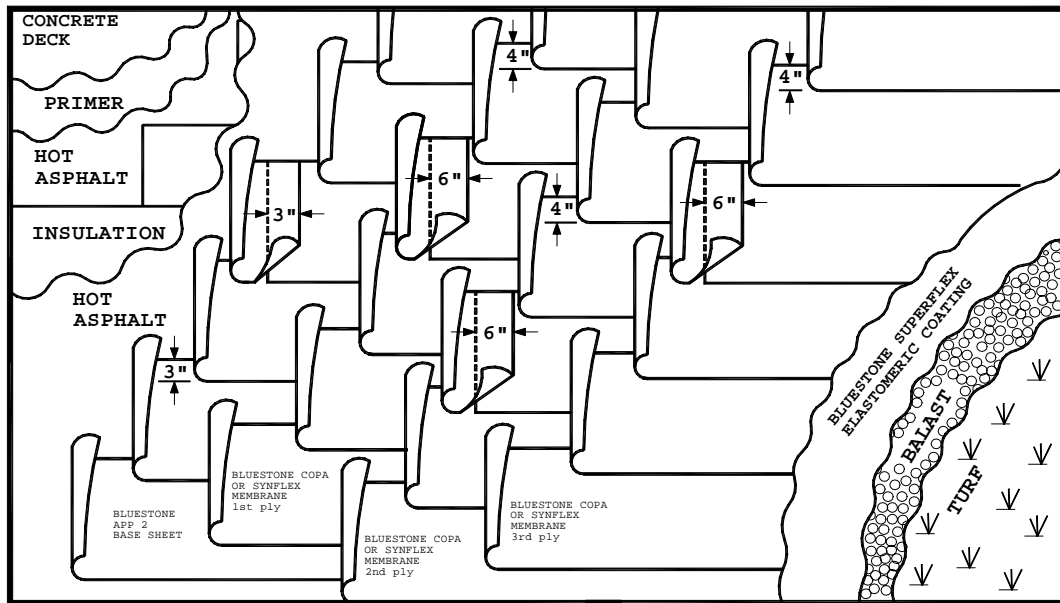


The top ply must have lap
in center of the underlying ply

1. TYPE OF DECK:
Poured in place structural concrete precast concrete.
2. MATERIALS:

Asphalt primer. ASTM D41 or equal	OPTIONAL
Asphalt ASTM D312 Type II or Type III	OPTIONAL
Acceptable insulation	OPTIONAL
BLUESTONE APP 2 base sheet	OPTIONAL
BLUESTONE COPA 4 membrane (Co Polymer Alloy)	
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)	
BLUESTONE SUPERFLEX ELASTOMERIC COATING	OPTIONAL
2 to 3 inch stone	
Loam and grass seeds	
3. ROOF DECK:
Prime the roof deck and any vertical surfaces with asphalt primer at a rate of no less than 1/2 gallon per 100 square feet and allow to dry.
4. ATTACHMENT WITH HOT ASPHALT: **OPTIONAL** * THE BALLAST AND LOAM WILL WEIGH APPROXIMATELY 20 LBS. PER SQUARE FOOT AND ADEQUATELY ANCHOR THE ROOFING SYSTEM:
Install insulation and base sheet starting at the low point of the roof deck. Solid mop the primed concrete deck with Type II or Type III asphalt at a rate of 25 to 30 lbs. per 100 sq. ft. and set insulation in the asphalt while hot. Insulation joints are to be staggered and applied perpendicular to the roof deck slope. Over the insulation, solid mop the base sheet using Type II or Type III asphalt at a rate of 25 to 30 lbs. per 100 sq. ft. Base sheet shall be lapped 2" on the sides and 4" on the end and extend 2" past the cant or 2" up the vertical wall.
NOTE: Contact each roof insulation manufacturer for attachment specifications and compatibility with asphalt.
5. MEMBRANE INSTALLATION:
Starting at the low point of the roof deck, fully adhere one ply of 160 mil BLUESTONE COPA 4 or SYNPLEX 4 membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure once more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.
6. MEMBRANE PROTECTION:
The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with 2 to 3 inch stone at a rate of approximately 10 lbs. per ft. Allow to cure for one year.
7. TURF INSTALLATION:
Once the roof has cured for a year, cover the roof with loam to whatever thickness is desired and immediately seed the loam.

NON-NAILABLE DECK
WITH INSULATION

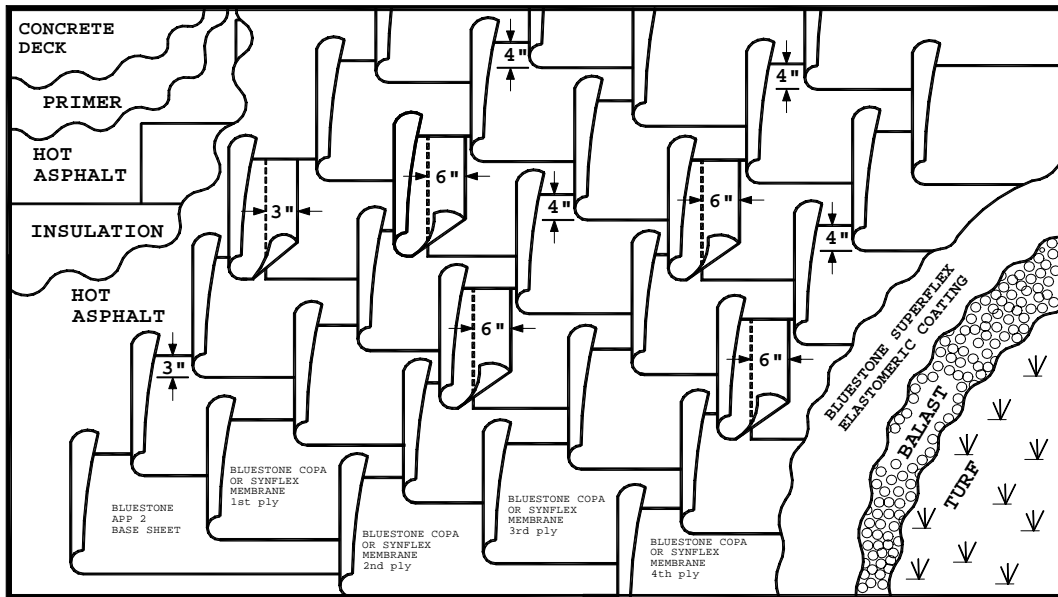


The top ply must have lap
in center of the underlying ply

1. TYPE OF DECK:
Poured in place structural concrete precast concrete.
2. MATERIALS:

Asphalt primer. ASTM D41 or equal	OPTIONAL
Asphalt ASTM D312 Type II or Type III	OPTIONAL
Acceptable insulation	OPTIONAL
BLUESTONE APP 2 base sheet	OPTIONAL
BLUESTONE COPA 4 membrane (Co Polymer Alloy)	
BLUESTONE SYNPLEX 4 membrane (SYNthetic FLEXene)	
BLUESTONE SUPERFLEX ELASTOMERIC COATING	OPTIONAL
2 to 3 inch stone	
Loam and grass seeds	
3. ROOF DECK:
Prime the roof deck and any vertical surfaces with asphalt primer at a rate of no less than 1/2 gallon per 100 square feet and allow to dry.
4. ATTACHMENT WITH HOT ASPHALT: **OPTIONAL** * THE BALLAST AND LOAM WILL WEIGH APPROXIMATELY 20 LBS. PER SQUARE FOOT AND ADEQUATELY ANCHOR THE ROOFING SYSTEM:
Install insulation and base sheet starting at the low point of the roof deck. Solid mop the primed concrete deck with Type II or Type III asphalt at a rate of 25 to 30 lbs. per 100 sq. ft. and set insulation in the asphalt while hot. Insulation joints are to be staggered and applied perpendicular to the roof deck slope. Over the insulation, solid mop the base sheet using Type II or Type III asphalt at a rate of 25 to 30 lbs. per 100 sq. ft. Base sheet shall be lapped 2" on the sides and 4" on the end and extend 2" past the cant or 2" up the vertical wall.
NOTE: Contact each roof insulation manufacturer for attachment specifications and compatibility with asphalt.
5. MEMBRANE INSTALLATION:
Starting at the low point of the roof deck, fully adhere one layer of BLUESTONE COPA or SYNPLEX 4 membrane over the entire surface of the roof, making sure to stagger all of the end laps a minimum of 6'. Side laps must be 4" and end laps 6". Repeat this procedure twice more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply.
6. MEMBRANE PROTECTION:
The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with 2 to 3 inch stone at a rate of approximately 10 lbs. per sq. ft. Allow to cure for one year.
7. TURF INSTALLATION:
Once the roof has cured for a year, cover the roof with loam to whatever thickness is desired and immediately seed the loam.

NON-NAILABLE DECK
WITH INSULATION



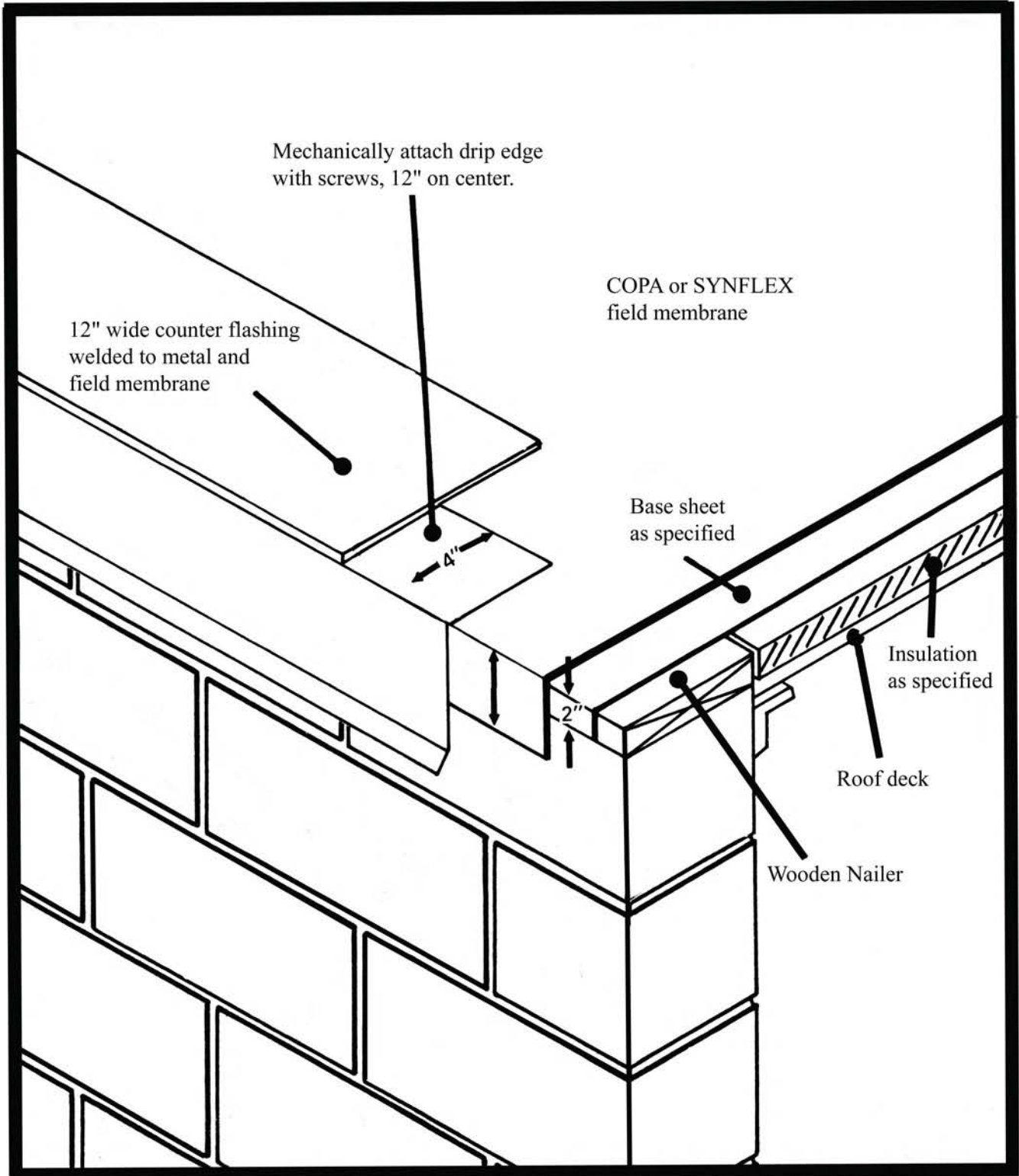
The top ply must have lap
in center of the underlying ply

1. TYPE OF DECK:
Poured in place structural concrete precast concrete.
2. MATERIALS:

Asphalt primer, ASTM D41 or equal	OPTIONAL
Asphalt ASTM D312 Type II or Type III	OPTIONAL
Acceptable insulation	OPTIONAL
BLUESTONE APP 2 base sheet	OPTIONAL
BLUESTONE COPA 4 membrane (Co Polymer Alloy)	
BLUESTONE SYNIFLEX 4 membrane (SYNthetic FLEXene)	
BLUESTONE SUPERFLEX ELASTOMERIC COATING	OPTIONAL
2 to 3 inch stone	
Loam and grass seeds	
3. ROOF DECK:
Prime the roof deck and any vertical surfaces with asphalt primer at a rate of no less than 1/2 gallon per 100 square feet and allow to dry.
4. ATTACHMENT WITH HOT ASPHALT: **OPTIONAL** * THE BALLAST AND LOAM WILL WEIGH APPROXIMATELY 20 LBS. PER SQUARE FOOT AND ADEQUATELY ANCHOR THE ROOFING SYSTEM:
Install insulation and base sheet starting at the low point of the roof deck. Solid mop the primed concrete deck with Type II or Type III asphalt at a rate of 25 to 30 lbs. per 100 sq. ft. and set insulation in the asphalt while hot. Insulation joints are to be staggered and applied perpendicular to the roof deck slope. Over the insulation, solid mop the base sheet using Type II or Type III asphalt at a rate of 25 to 30 lbs. per 100 sq. ft. Base sheet shall be lapped 2" on the sides and 4" on the end and extend 2" past the cant or 2" up the vertical wall.
NOTE: Contact each roof insulation manufacturer for attachment specifications and compatibility with asphalt.
5. MEMBRANE INSTALLATION:
Starting at the low point of the roof deck, fully adhere one ply of 160 mil BLUESTONE COPA 4 or SYNIFLEX 4 membrane by HEAT WELDING to the base sheet, making sure to stagger all of the end laps a minimum of 4'. Side laps must be 4" and end laps 6". Repeat this procedure thrice more, conforming to the above diagram. All side laps must be centered on the previously installed ply and all end laps must be staggered a minimum of 2' from the previously installed ply. ADHERING AND SEAMING THE BLUESTONE MEMBRANES WITH GLUES OR HOT ASPHALT WILL AUTOMATICALLY VOID THE WARRANTY.
6. MEMBRANE PROTECTION:
The new roof will be coated with BLUESTONE SUPERFLEX ELASTOMERIC COATING at a minimum rate of 10 gals. per 100 sq. ft. and covered with 2 to 3 inch stone at a rate of approximately 10 lbs. per ft. Allow to cure for one year.
7. TURF INSTALLATION:
Once the roof has cured for a year, cover the roof with loam to whatever thickness is desired and immediately seed the loam.

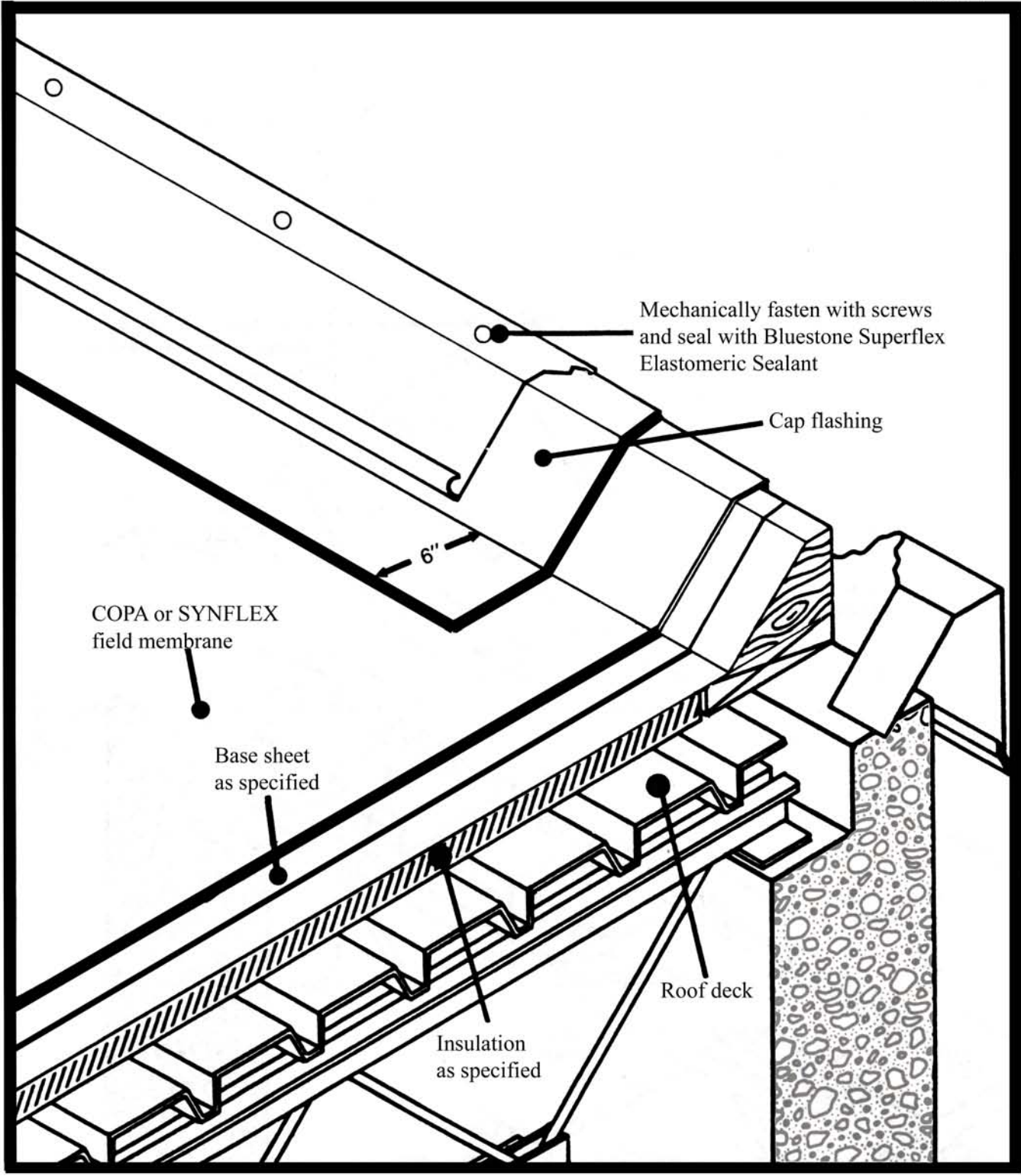
Detail 7.01

DRIP EDGE



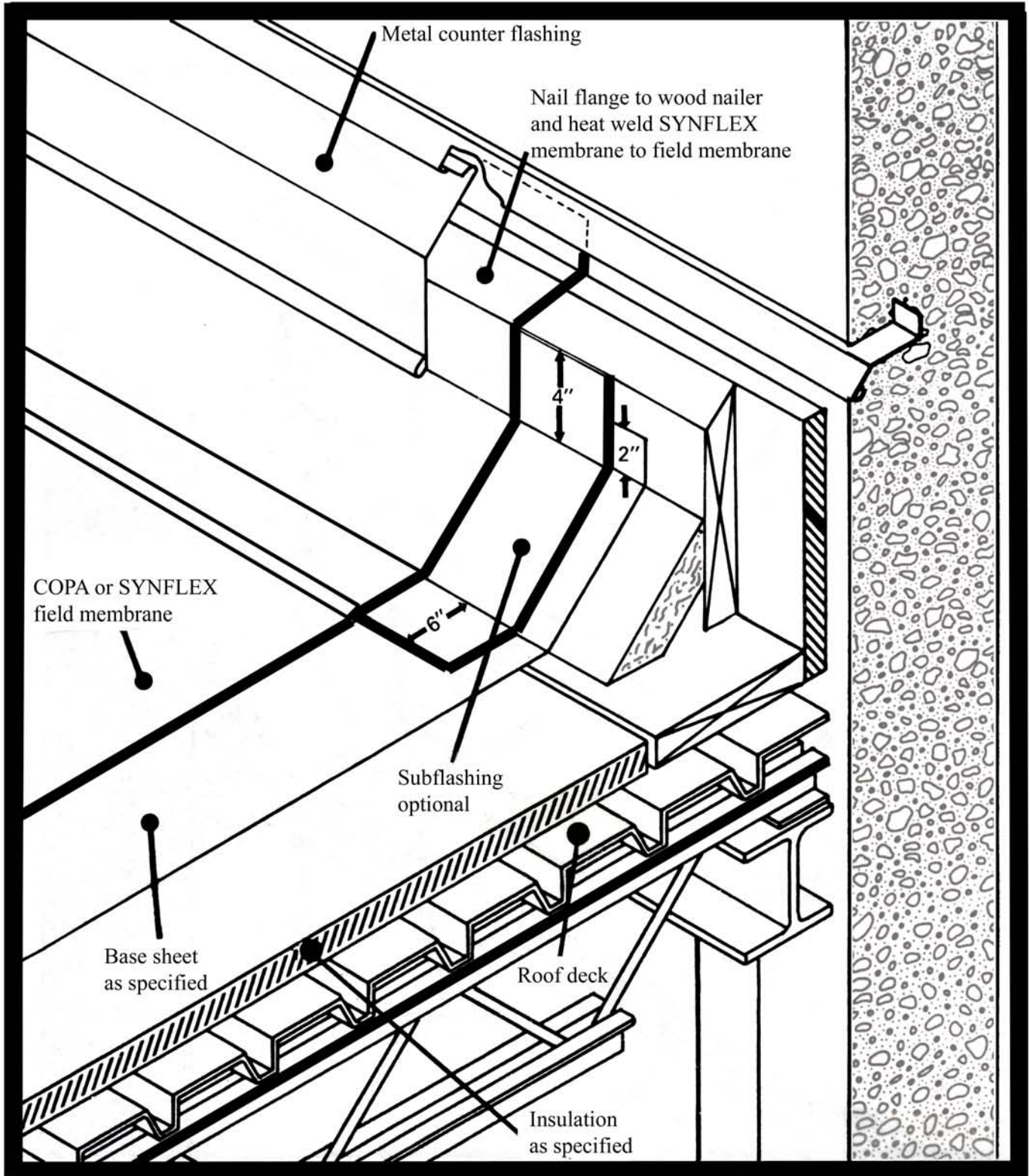
Detail 7.02

RAISED ROOF EDGE



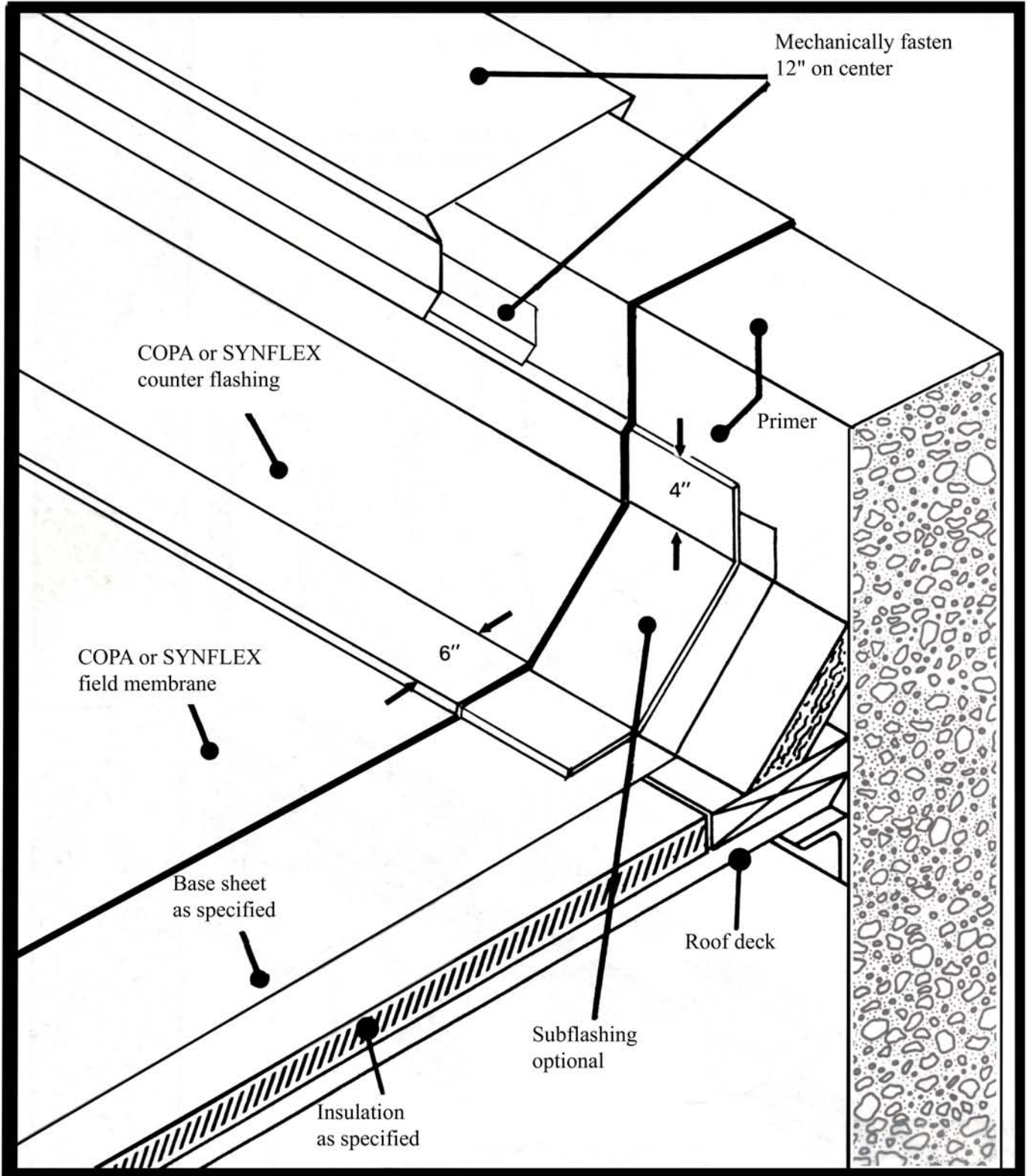
PARAPET (non-wall supported deck)

Detail 7.03



PARAPET (wall supported deck)

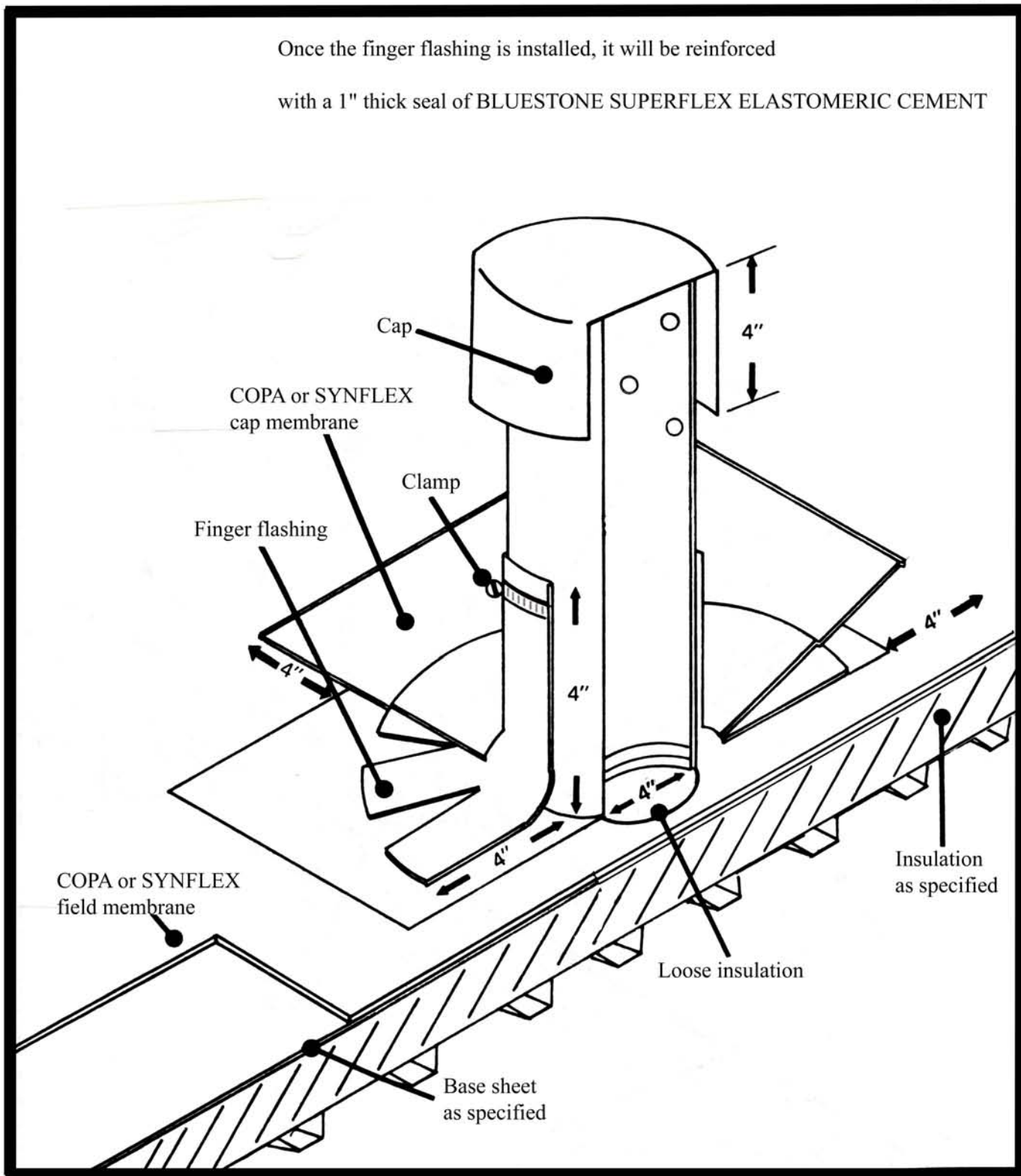
Detail 7.04



ROOF RELIEF VENT

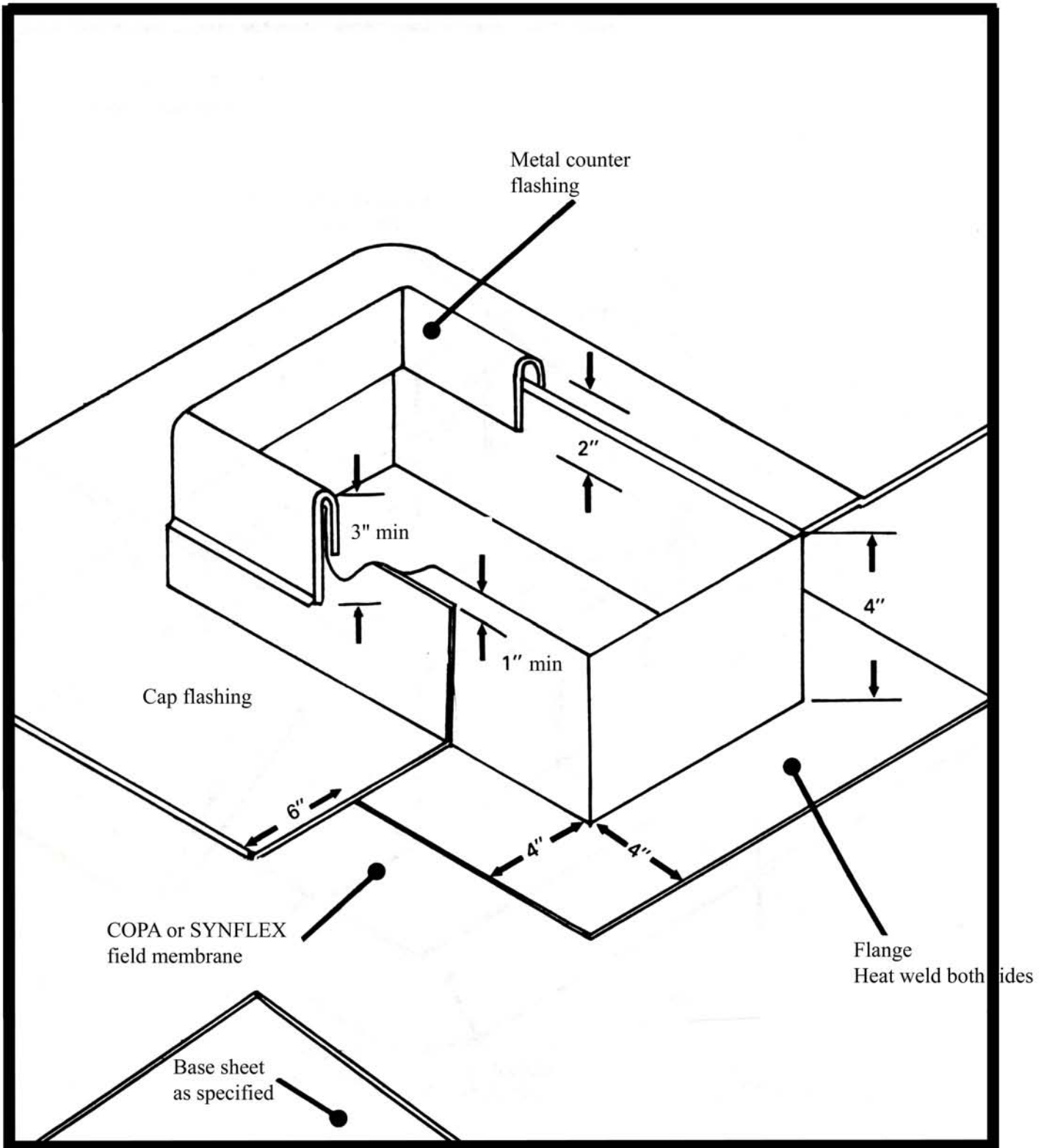
Once the finger flashing is installed, it will be reinforced

with a 1" thick seal of BLUESTONE SUPERFLEX ELASTOMERIC CEMENT



Detail 7.06

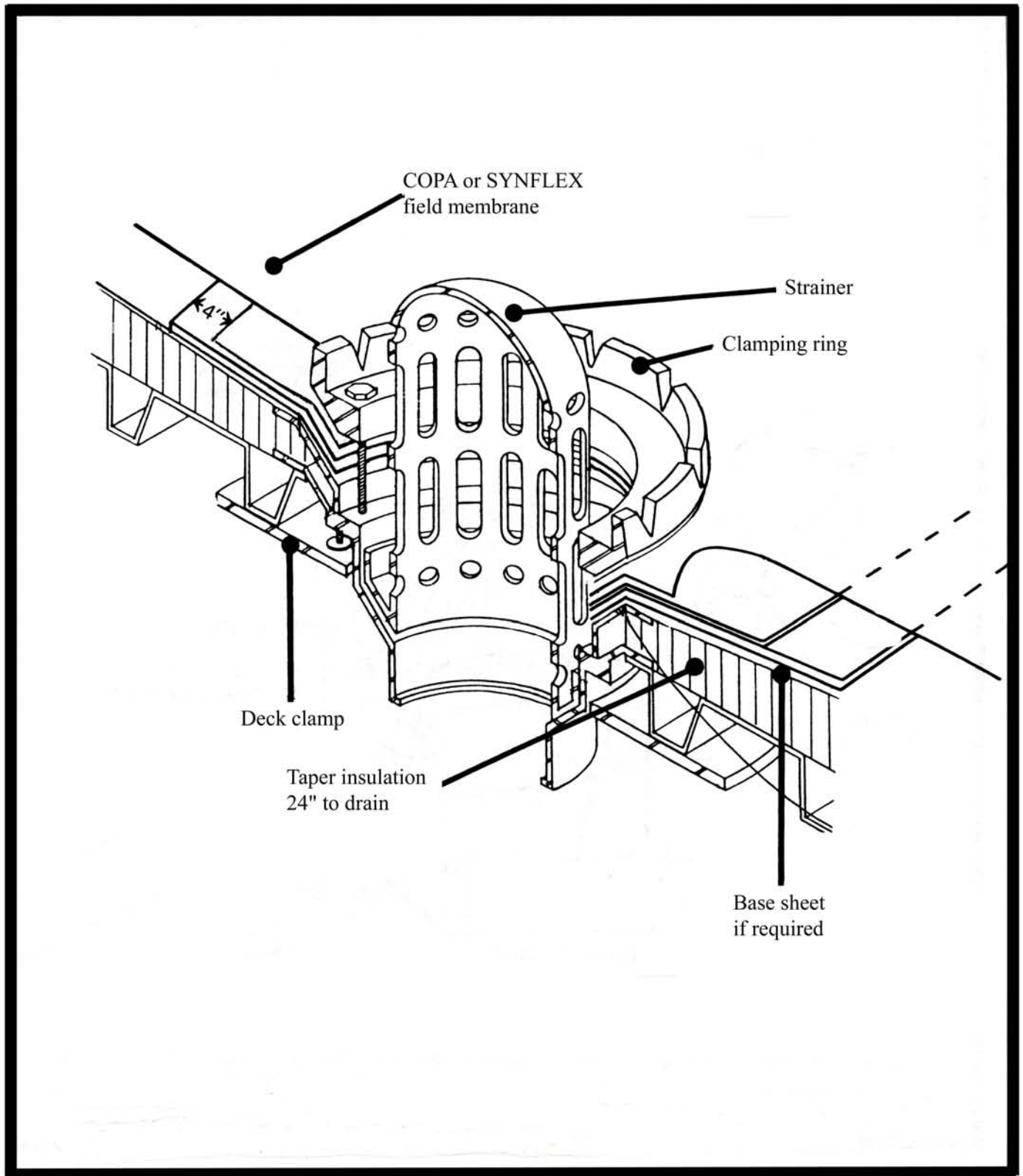
PITCH PAN



BLUESTONE PREMIUM ROOFING SYSTEMS

Detail 7.06

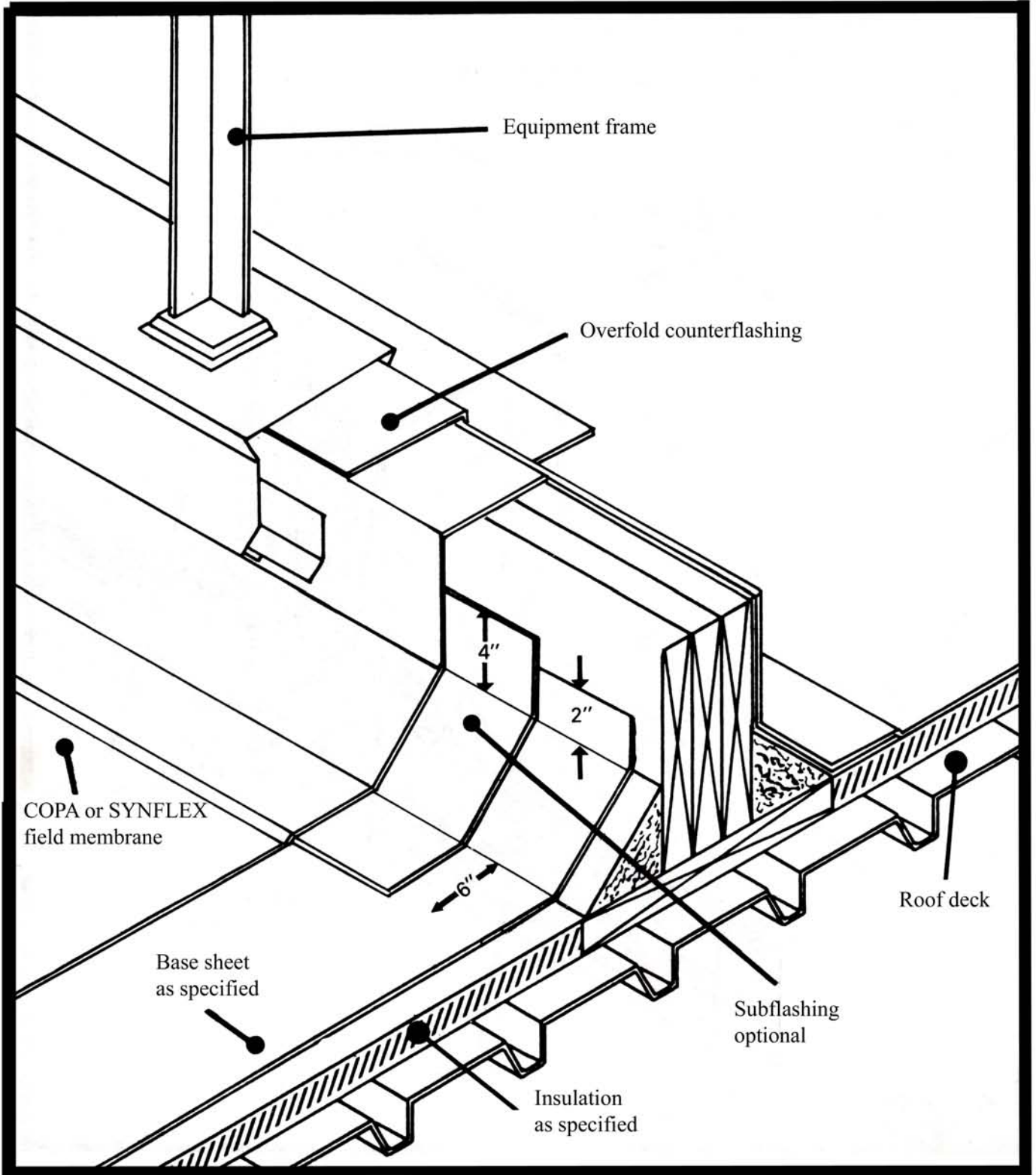
ROOF DRAIN



CURB EQUIPMENT SUPPORT

SUPPORT

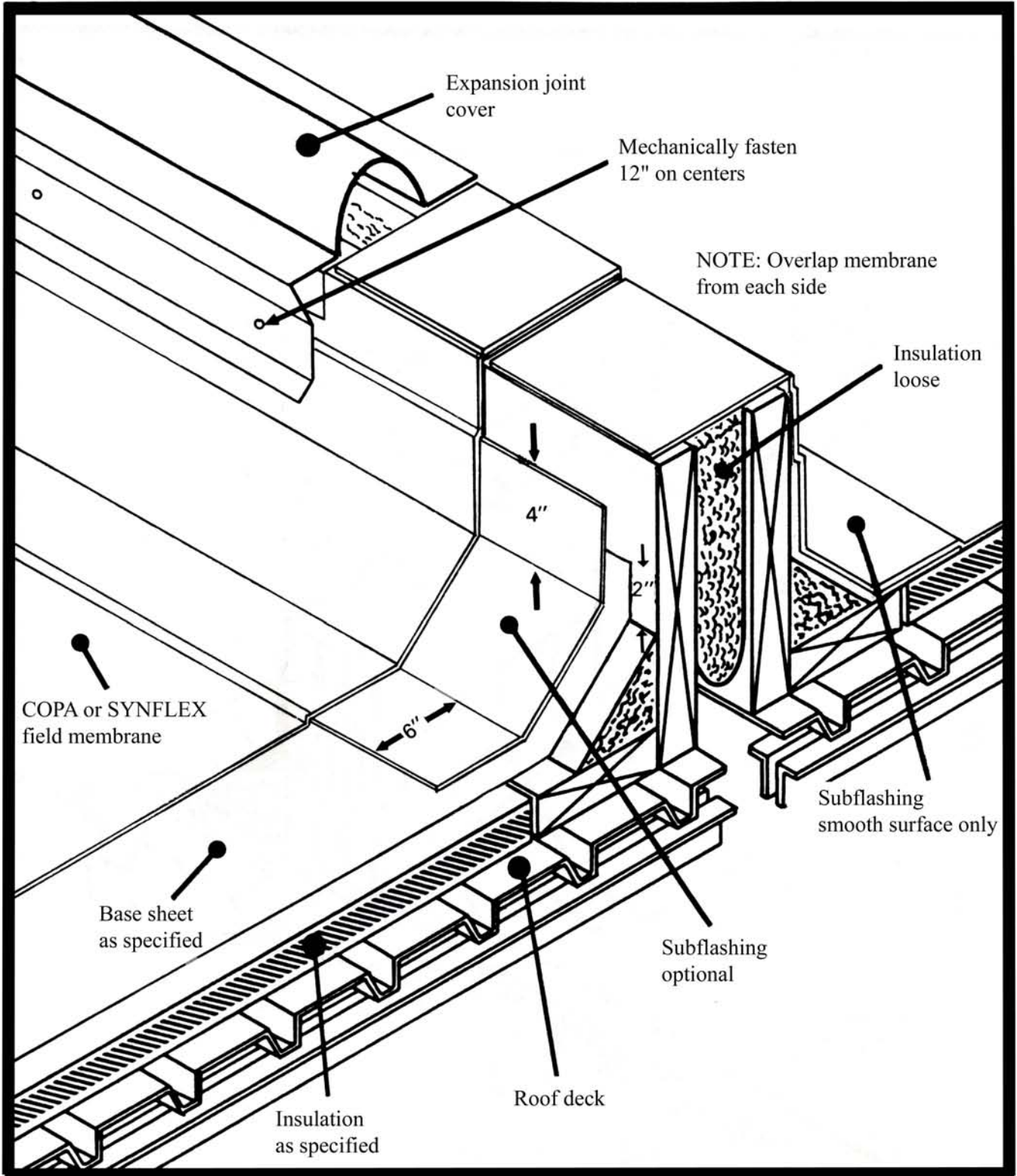
Detail
7.08



BLUESTONE PREMIUM ROOFING SYSTEMS

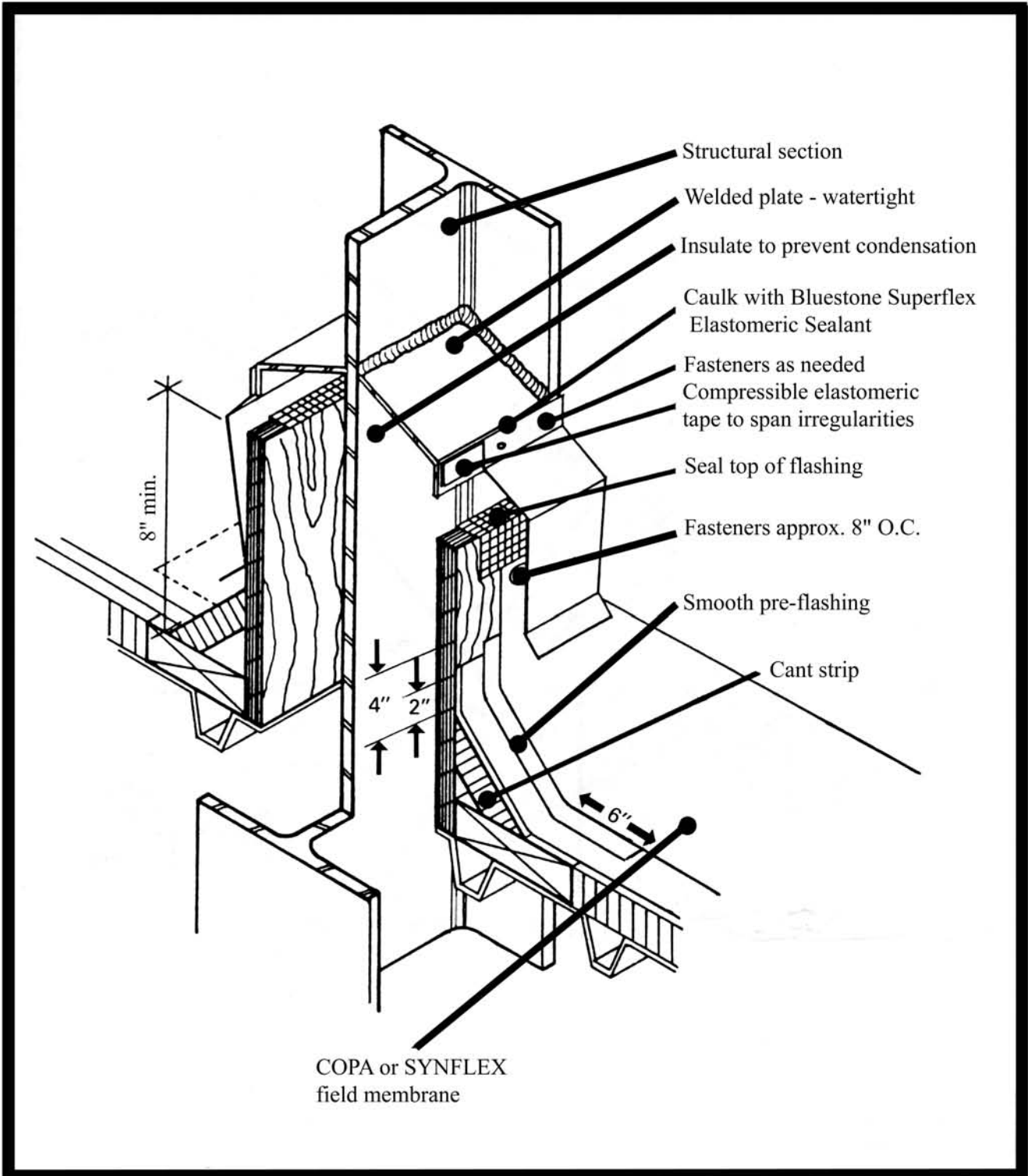
Detail 7.08

CURB EXPANSION JOINT



FLASHING STRUCTURAL MEMBER ROOF DECK

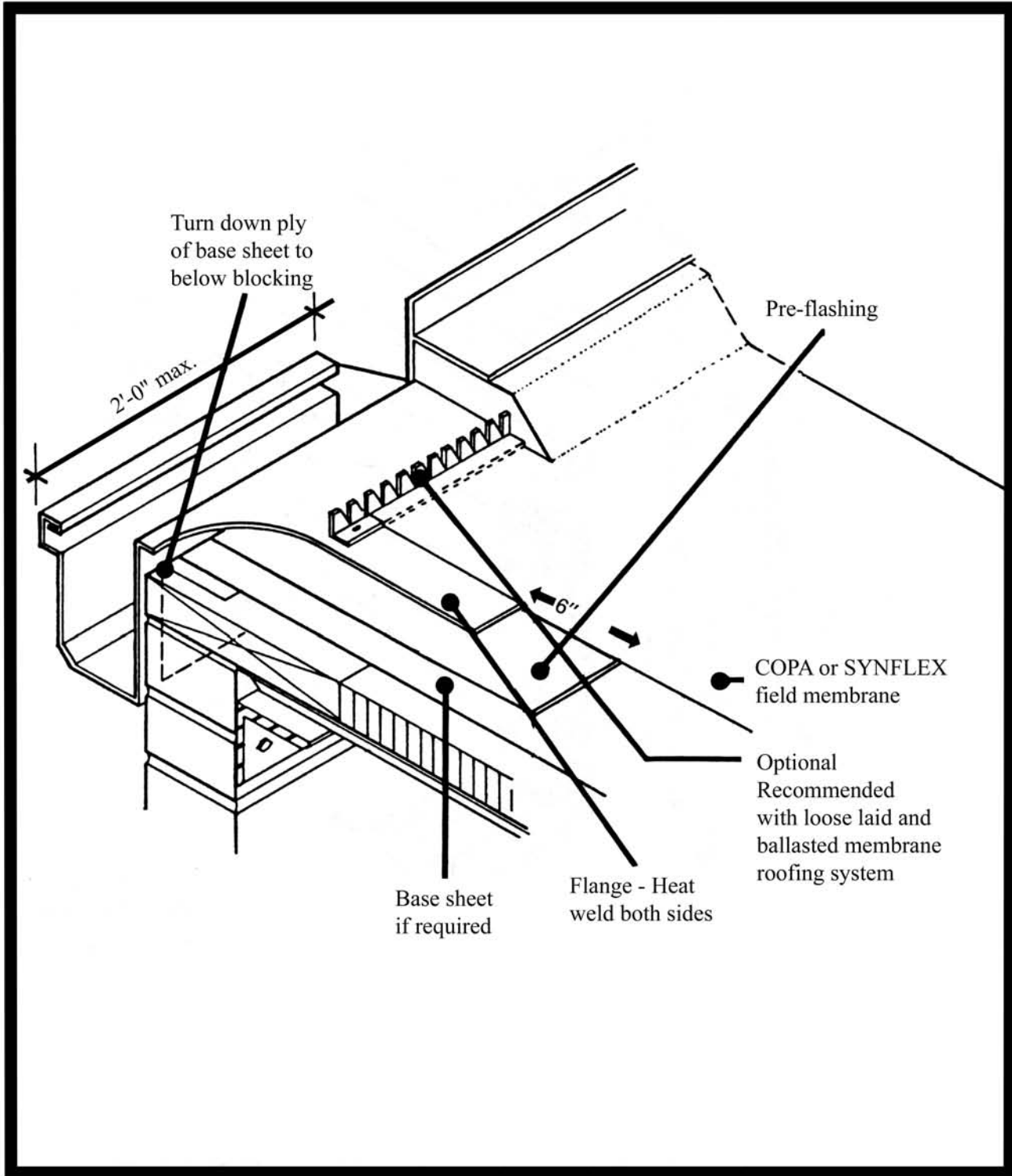
Detail
7.10



BLUESTONE PREMIUM ROOFING SYSTEMS

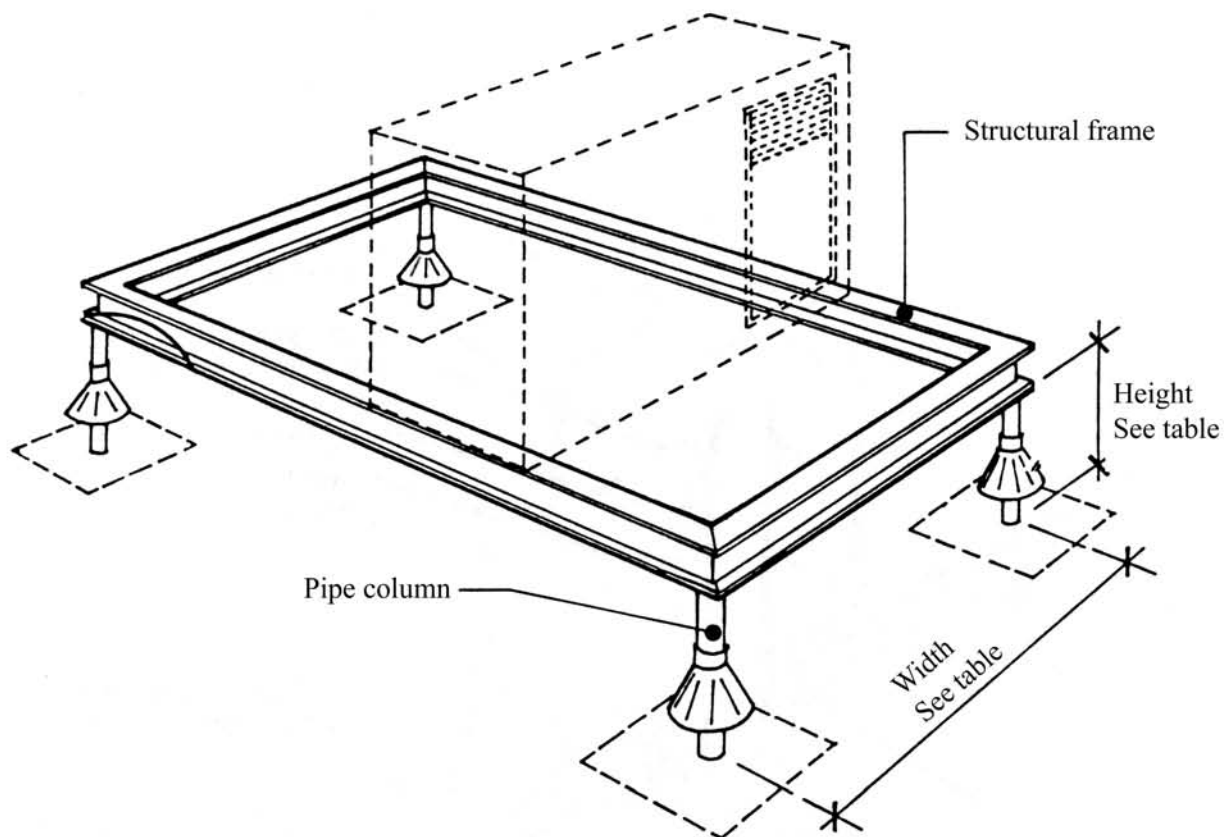
SCUPPER THROUGH ROOF EDGE

Detail 7.11



MECHANICAL EQUIPMENT STAND

Detail 7.12



WIDTH OF EQUIPMENT	HEIGHT OF LEGS
up to 24"	14"
25" to 36"	18"
37" to 48"	24"
49" to 60"	30"
61" and wider	48"

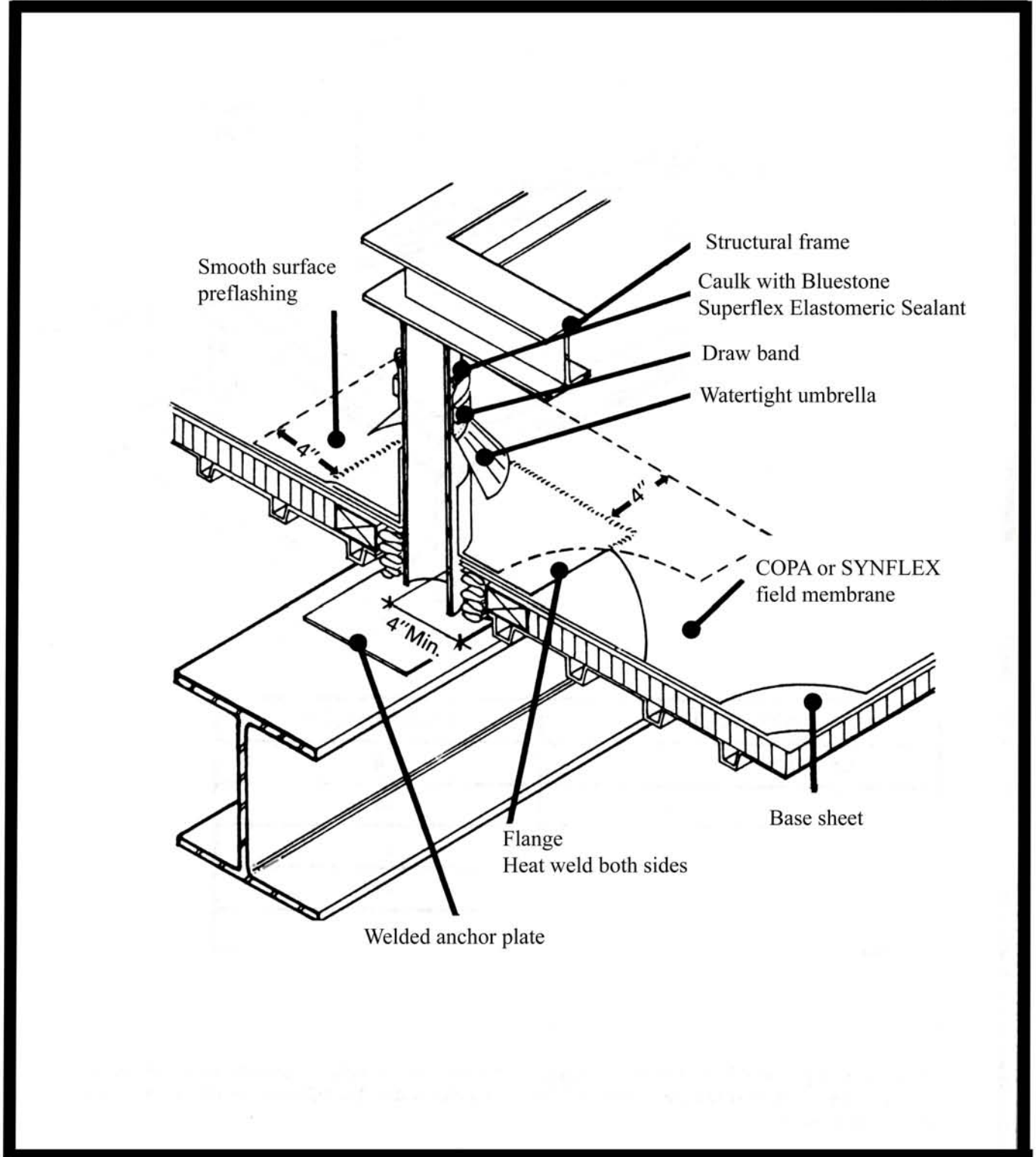
This detail is preferable when the concentrated load can be located directly over columns or heavy girders in the structure of the building. This detail can be adapted for other uses, such as sign supports.



BLUESTONE PREMIUM ROOFING SYSTEMS

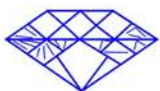
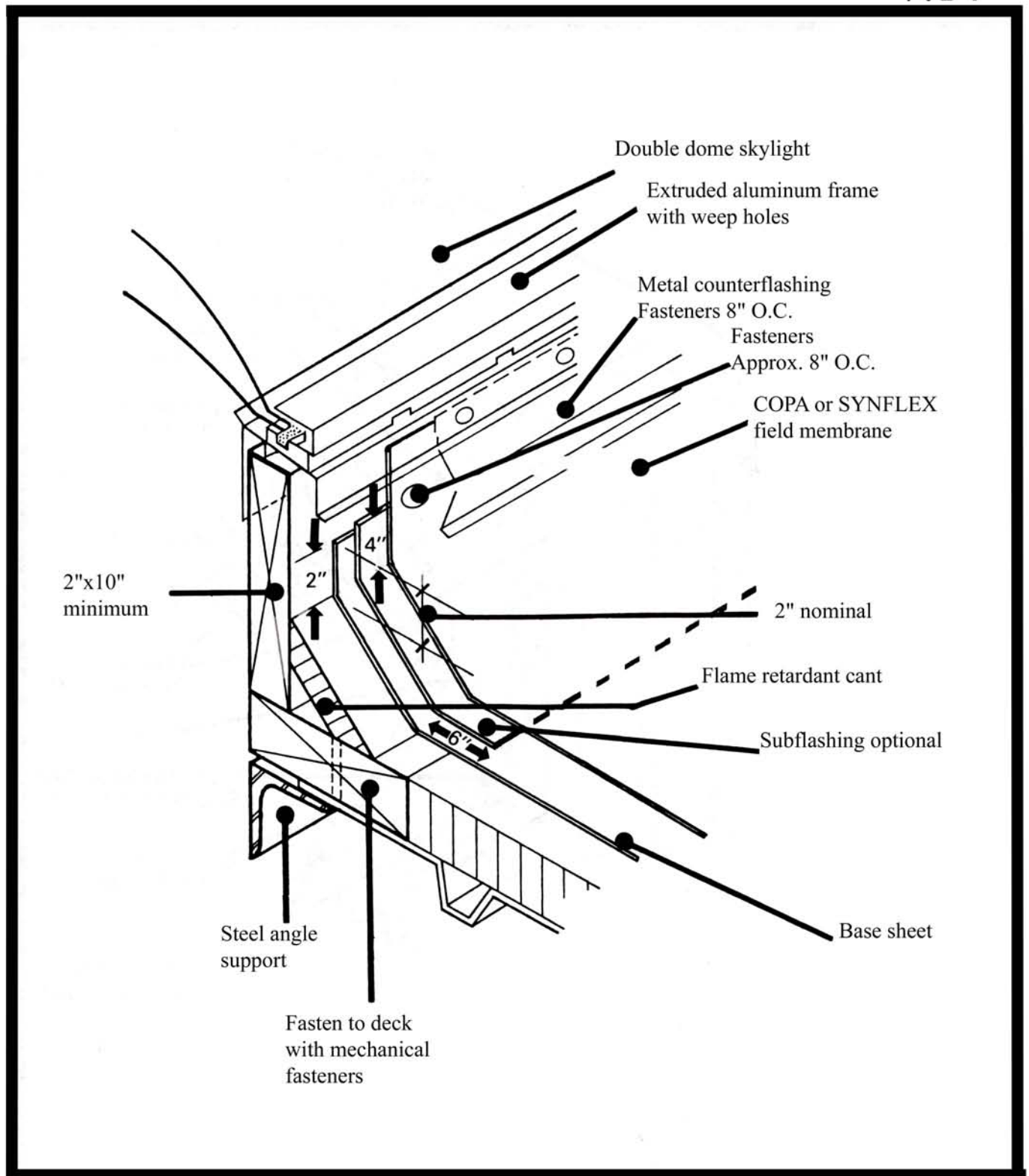
INSULATED DECK STEEL FRAME

Detail 7.13



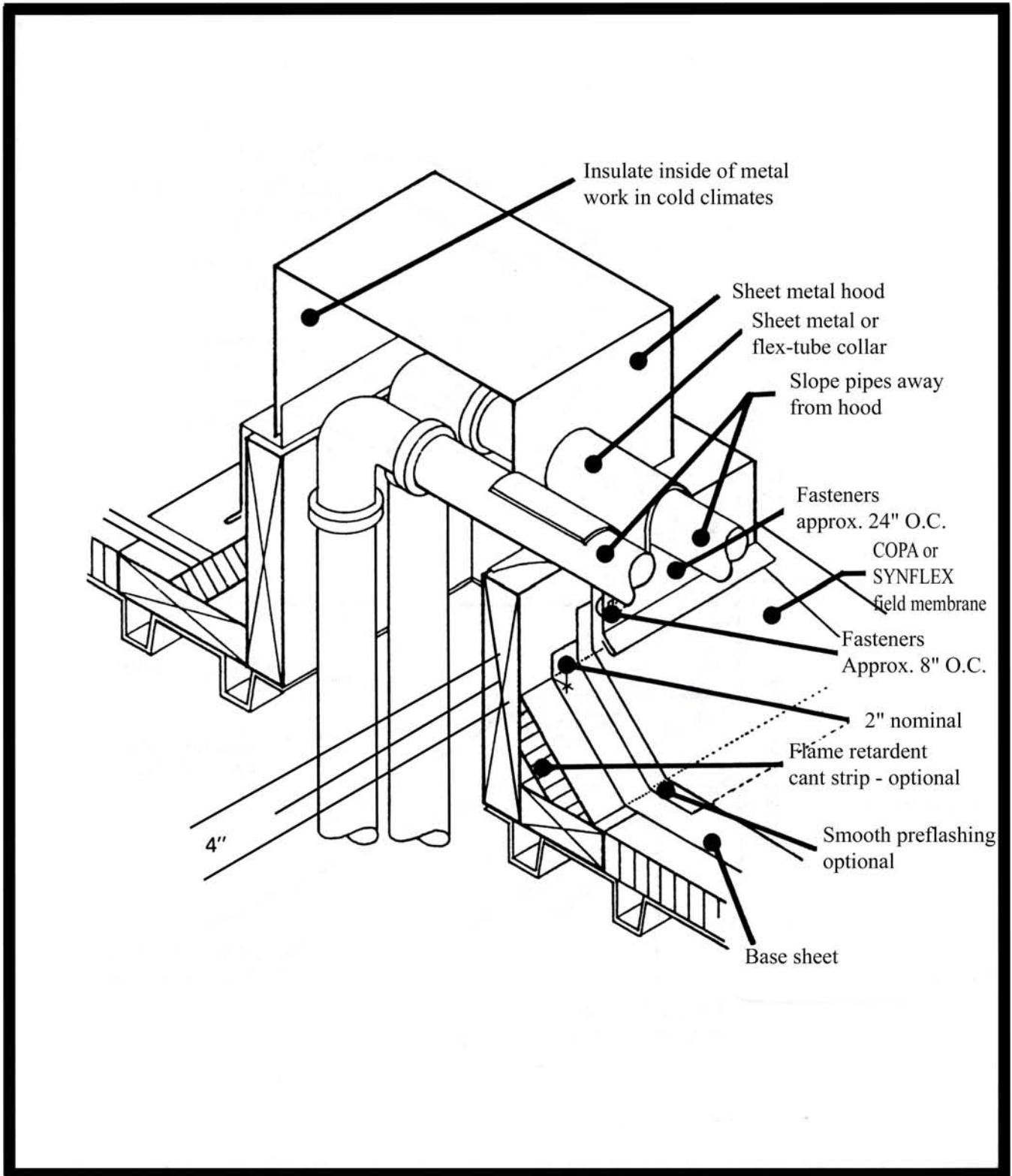
Detail 7.14

SKYLIGHT HATCH



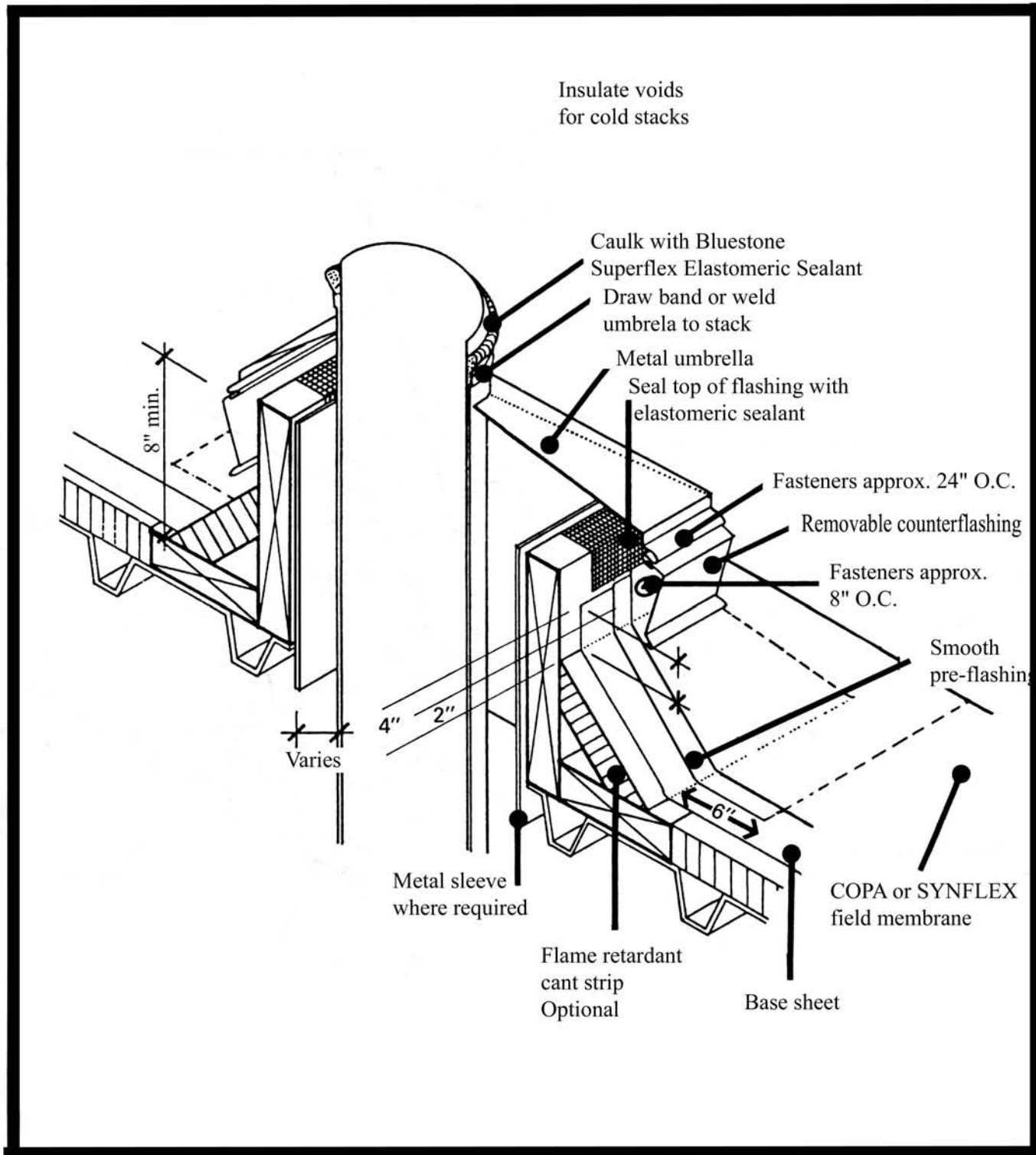
PIPING THROUGH ROOF DECK

Detail 7.15



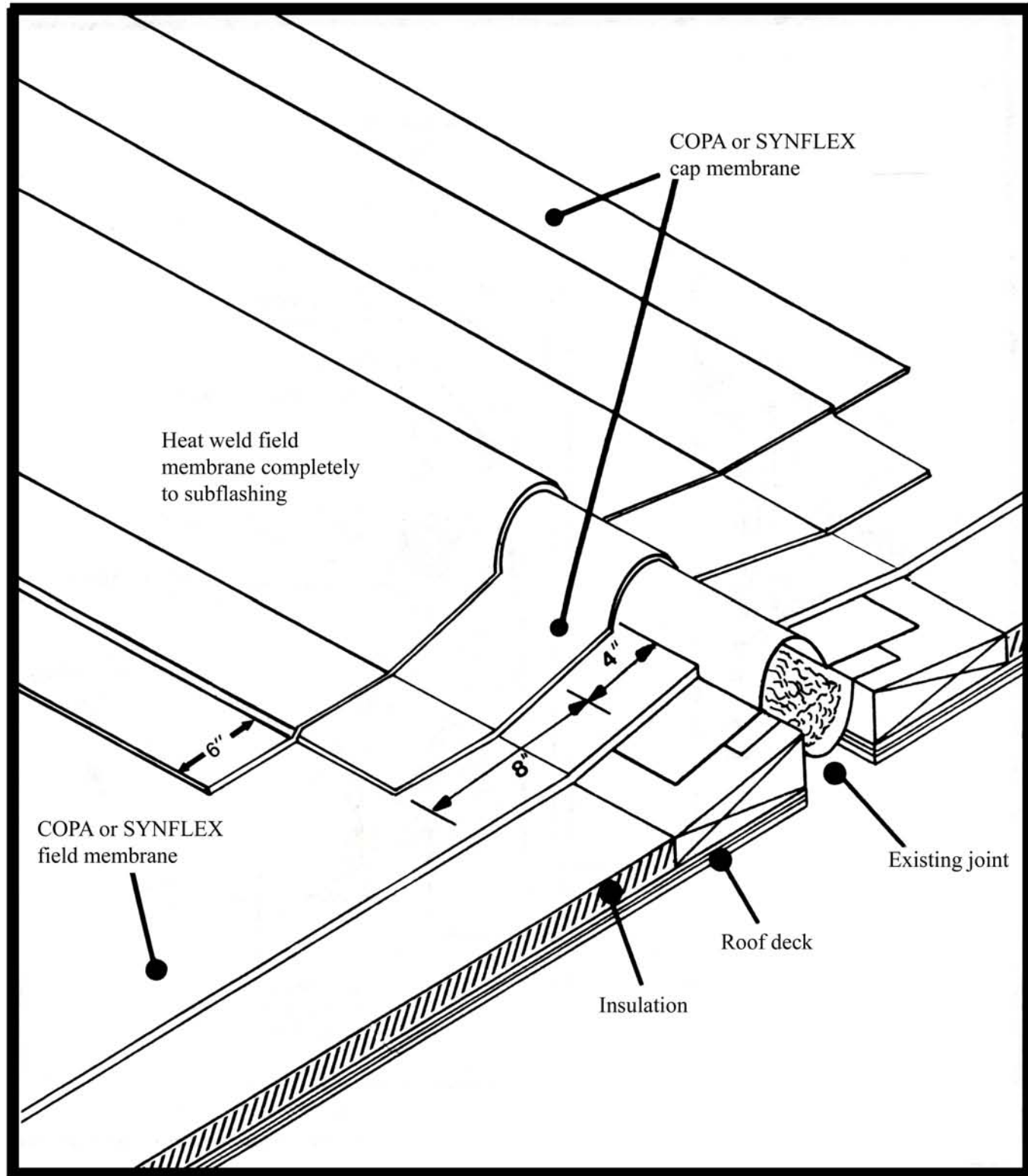
Detail 7.16

STACK FLASHING



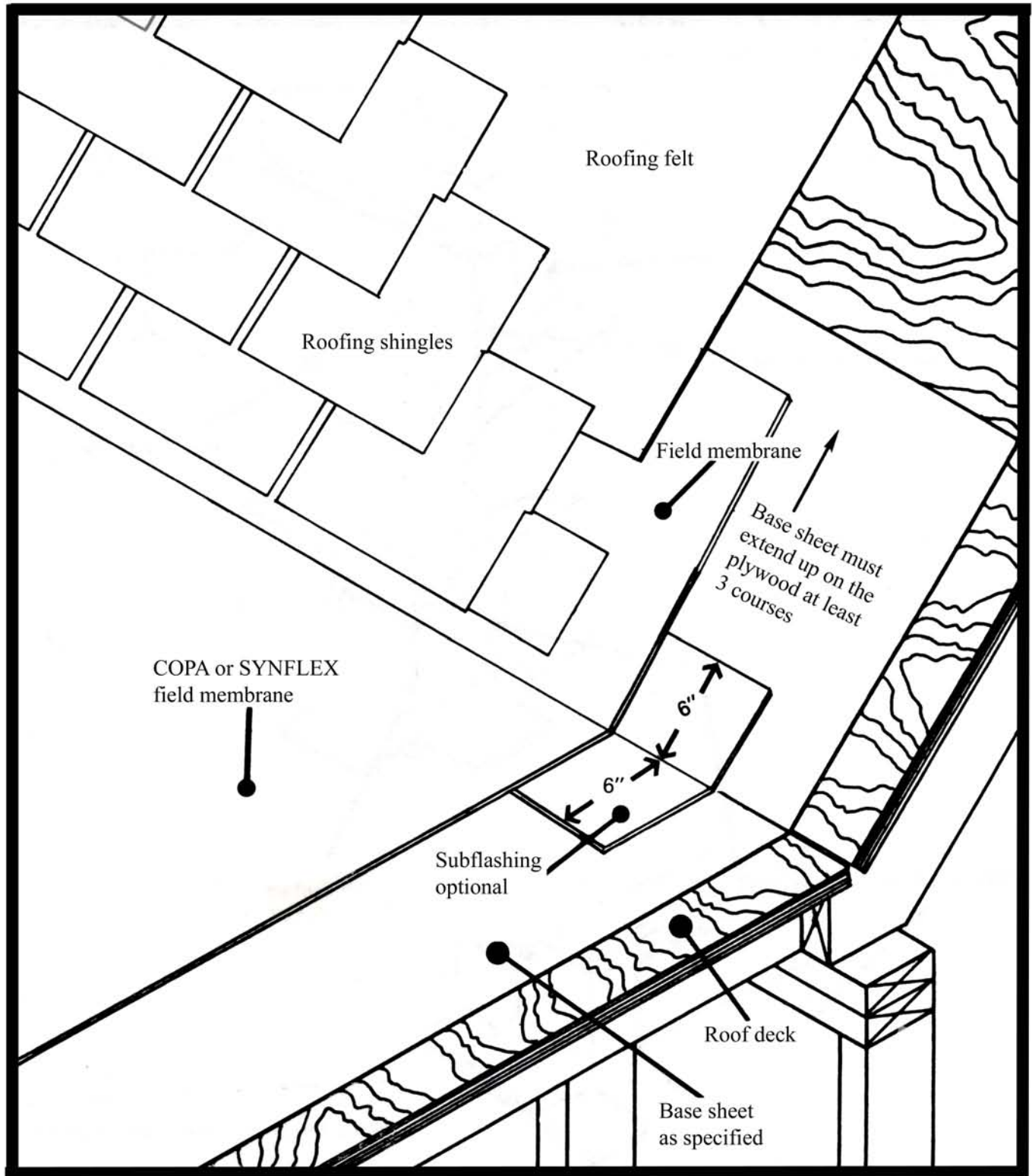
REROOFING EXISTING EXPANSION JOINT

Detail
7.17



Detail 7.18

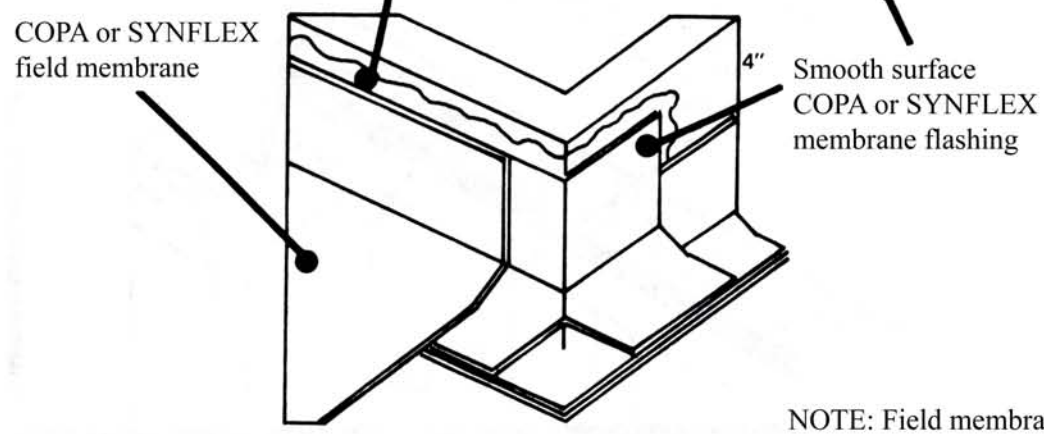
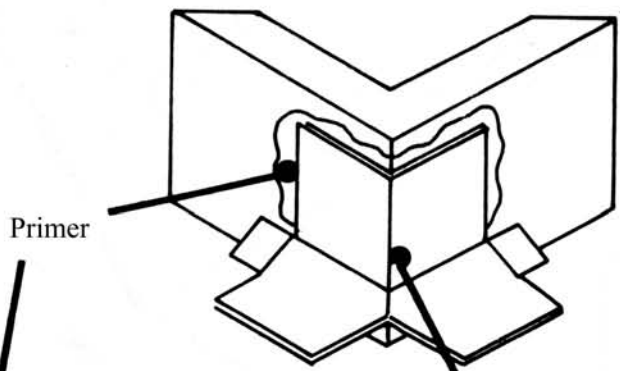
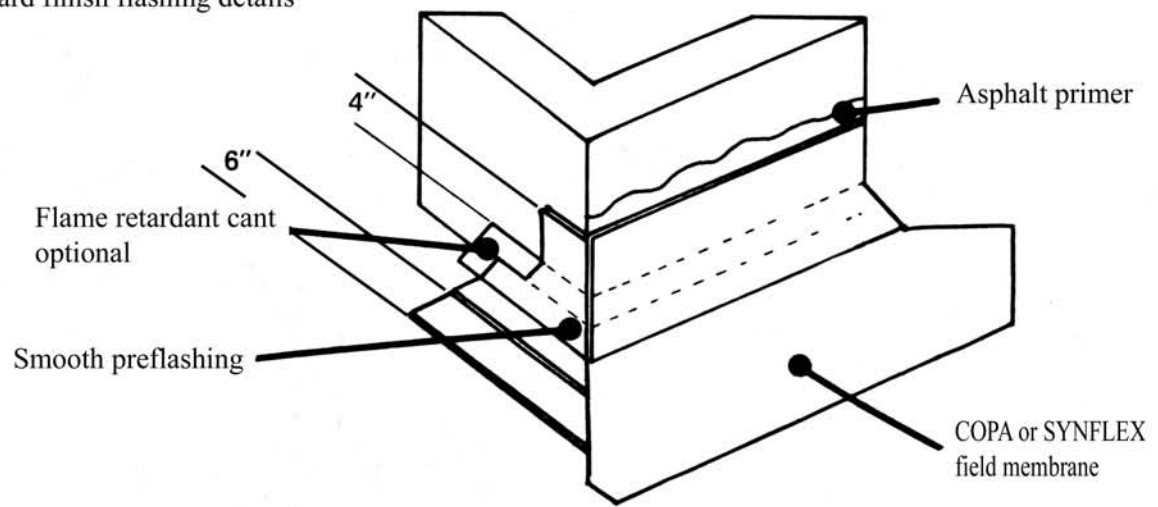
SHINGLE TIE-IN



Detail 7.19

OUTSIDE CORNER

NOTE: Concrete deck and parapet wall standard finish flashing details

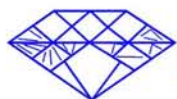
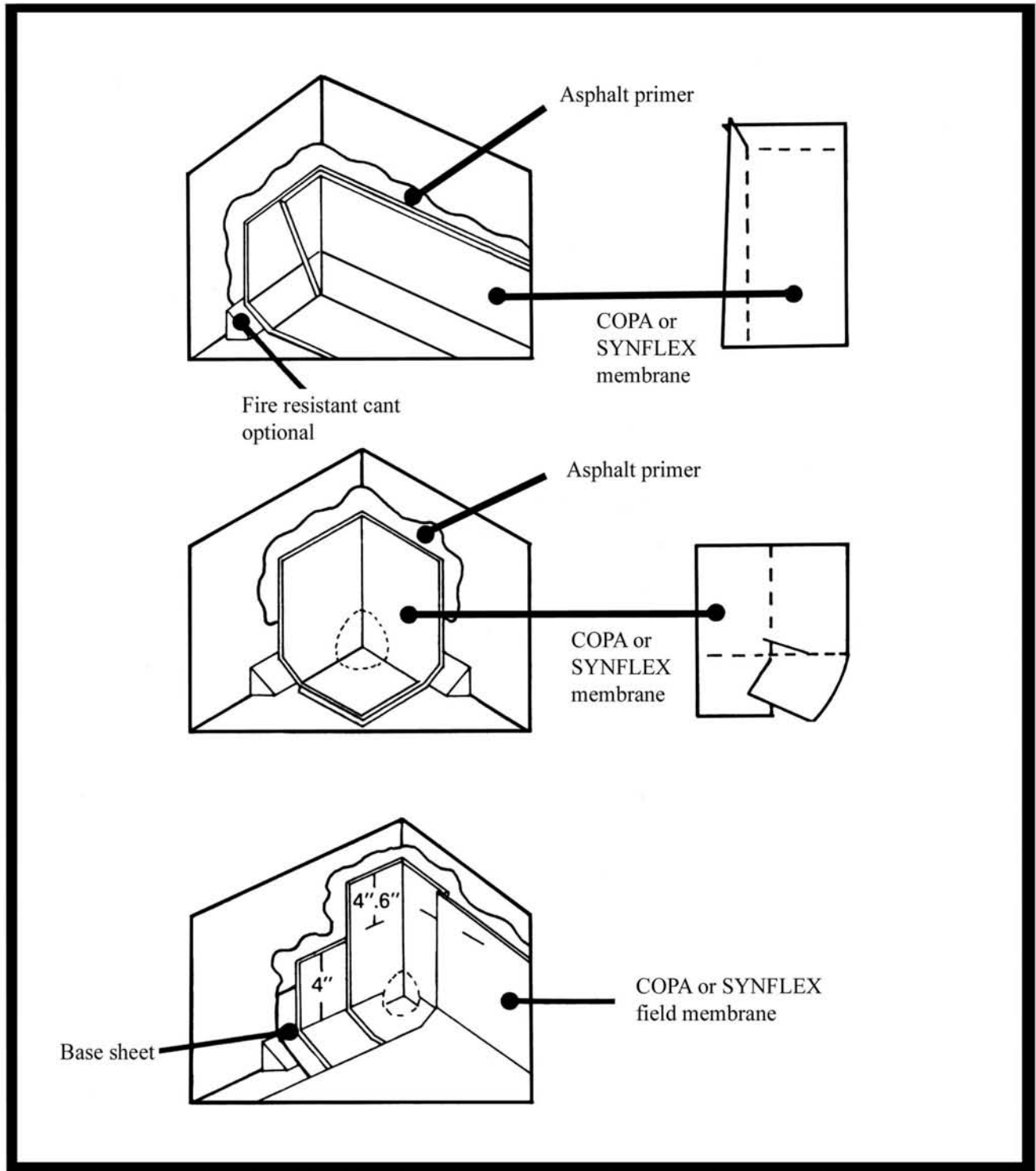


NOTE: Field membrane to wrap corners



Detail 7.20

INSIDE CORNER





BLUESTONE INC.

P.O. BOX 86
COLEBROOK, NEW HAMPSHIRE 03576
(800)-639-4016 * Same phone # since 1984
bsprs.com

What do you think of our Bluestone PREMIUM ROOFING SYSTEMS?

These are unequalled, top of the line roofing systems.

They are the lowest priced roofing systems on the market today, when calculated on a cost per year basis.

They are **puncture proof** and are expected to last a minimum of 30 trouble free and maintenance free years. (clean the drains once a year) Our highest performing roofing systems are expected to last 100 years!

They consist of 1, 2, 3, 4, or 5 plies of pure grade, Co Polymer Alloy or Synflex Modified Bitumen (160 to 640 mils thick) covered with a generous layer of BLUESTONE SUPERFLEX ELASTOMERIC COATING at a rate of 8 to 10 gallons per 100 square feet and covered with 1/2 inch stone at a rate of 2 lbs. per square foot.

The final product is 250 mils to 1 inch THICK!

THE BLUESTONE SUPERFLEX ELASTOMERIC COATING will never crack, alligator or harden completely. Slow erosion is the aging process. It is extremely fire resistant and is an excellent adhesive for the stone ballast.

The stone ballast acts as heat regulator to eliminate thermal shock, provides excellent UV ray protection, increases the puncture resistance and prevents workers from sticking to the roof on hot sunny days. This makes an excellent and durable roofing system for the sunbelt states.

Also, you can shovel or run a snow blower on any of our roofing systems without voiding the warranty. It does not happen often, but when a monster snowstorm hits and roofs need to be cleared, it is reassuring to know that you will not be going through the roof and your **10, 15 or 20 year no excuse warranty will still be valid.**

While all other manufacturers send one of their representatives to inspect the roof once it is completed, every shipment of 50,000 square feet or more of BLUESTONE PREMIUM ROOFING SYSTEM membrane arrives with a Bluestone Inspector that remains on the job until the system is installed. Our common sense approach leads to a 100% success rate with a roofing system that is designed to perform under the widest range and the most severe of conditions that exist in the real world of roofing.

Solidly committed to our no excuse solution for all of your roofing problems.

Gerard Beloin

Senior Sale's manager
Bluestone, Inc.

P.S. Financing is available through Bluestone Inc. with a clause in the promissory note that states that if the roof leaks you can stop the payments. **No other company is willing to make you this offer.** (Copy of Promissory Note on next page.)

CUSTOM DESIGN, MANUFACTURING AND DISTRIBUTION OF PERFORMANCE ORIENTED ROOFING SYSTEMS

PROMISSORY NOTE

ABC Co/ Inc.
XYZ Street
Anytown, USA

Date _____

FOR VALUE RECEIVED, ABC Co, Inc. of XYZ Street, City of Anytown, Any County and Any State, jointly, severally and individually, do hereby promise to pay to Bluestone, Inc., of P.O. Box 86, City of Colebrook, County of Coos and State of New Hampshire, or order, the sum of _____ due and payable on or before the _____ in _____ Monthly installments of _____. If said monthly payments are not paid within five days of the due date, a five percent (5%) penalty on the monthly payment shall be due as a late fee. If said monthly payments are not paid within thirty (30) days of the Due date as specified above, the promissory note shall be in default and interest shall accrue at a rate of ____ per annum on the unpaid balance until said balance is paid in full.

This Promissory Note is secured by Mortgage on the Real Estate owned by the Maker(s) located at _____ and UCC-1 Financing Statement pledging the following personal property as collateral: This note and terms are conditional on completion of the job to the satisfaction of the customer by _____. In the event of delay in completion, due date of note shall be adjusted on a day by day basis.

If a leak occurs, Bluestone, Inc must be notified immediately and given reasonable time to address the problem. If the leak comes from sources other than defective workmanship or defective materials, as specified in the written warranty, the signer of this note will be billed at the prevailing hourly rate plus the cost of materials. If Bluestone, Inc fails to address the problems in a timely manner, payments on this note can be stopped until the problems are resolved.

Bluestone, Inc shall not be held liable for damage to the contents of the building resulting from the leaks before or after the roof is completed. The undersigned shall have the right to repay any part or all of the remaining principal and indebtedness of this promissory note at any time without penalty. The undersigned agrees to pay all costs and expenses for collection of this note upon default, including reasonable attorney's fees, provided plaintiff prevails.

Presentment of payment, demand, protest, and notice of non-payment are hereby waived by all parties now or hereafter liable for payment of the indebtedness hereby evidenced.

This promissory note is not assumable without the expressed written consent of the Holder.

All rights and obligations hereunder shall be governed by the laws of the State of New Hampshire.

IN WITNESS WHEREOF, We have hereunto set our hands this _____ day of _____, 2022.

By:

NOTICE: THIS IS A REAL WARRANTY
WITH NO LIMITATION CLAUSES!

GUARANTEE

Date: _____

Issued To: _____

For a period of _____ years, Bluestone Inc. guarantees the performance of the materials installed on this roof. If the Bluestone roofing materials fail to perform for any reason other than the following causes during this time period, they will be replaced at no charge to the owner. This warranty is transferable with the approval of Bluestone, Inc.

- A. Damage caused by windstorms, hurricanes, tornados, gales, lighting, earthquakes, fire, explosion, riots, vandalism or war.
- B. Moisture entering the roofing system through walls, rooftop hardware or equipment.
- C. Damage to the roof caused by settlement, distortion, failure or cracking of the roof deck.
- D. Repairs or alterations made by unauthorized persons.
- E. Repairs or alterations must be made with Bluestone materials.

This guarantee shall only become operative upon payment in full for services rendered.

AUTHORIZED SIGNATURE _____



BLUESTONE INC.

BLUESTONE INC. * P.O. BOX 86 * COLEBROOK, NH 03576

800-639-4016 * *Same phone # since 1984*

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