

Henry®

building envelope systems®



Roofing Systems

075200-075500

Green Roof Systems

075563

Air Barrier Systems

072700

Waterproofing Systems

073100-071416

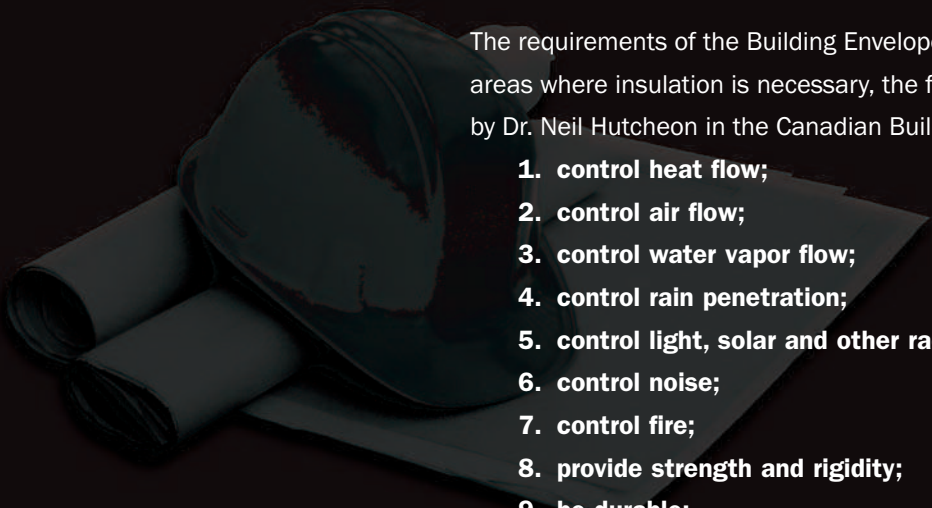


superior building

the building envelope

The Building Envelope is essentially the “**skin**” of a building. The quality of the Building Envelope will determine how well a building will function and its life span.

The requirements of the Building Envelope will differ with the climate of the area. In areas where insulation is necessary, the following requirements have been identified by Dr. Neil Hutcheon in the Canadian Building Digest – CBD48 (1963).

- 
1. **control heat flow;**
 2. **control air flow;**
 3. **control water vapor flow;**
 4. **control rain penetration;**
 5. **control light, solar and other radiation;**
 6. **control noise;**
 7. **control fire;**
 8. **provide strength and rigidity;**
 9. **be durable;**
 10. **be aesthetically pleasing; and**
 11. **be economical.**

Examination of building problems clearly indicates that the requirements of the Building Envelope most in need of **solutions** are air flow, water vapor flow, rain penetration, and durability.

Building Envelope failures are evident as rain penetration, high energy costs, early deterioration of building components, and Sick Building Syndrome/Indoor Air Quality (IAQ) problems.

g performance

At Henry we understand the principles of providing integrated systems. Our high **quality** products ensure superior building **performance**.

This translates into Henry roofing, air barrier and waterproofing systems, and the **expertise** to integrate these systems.

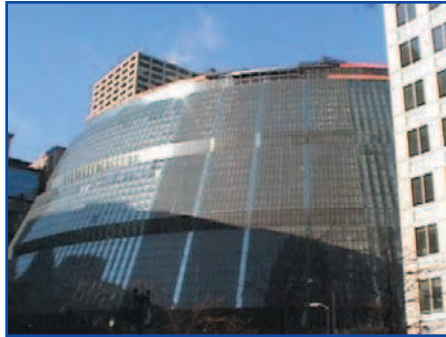
hot rubberized asphalt

protected membranes

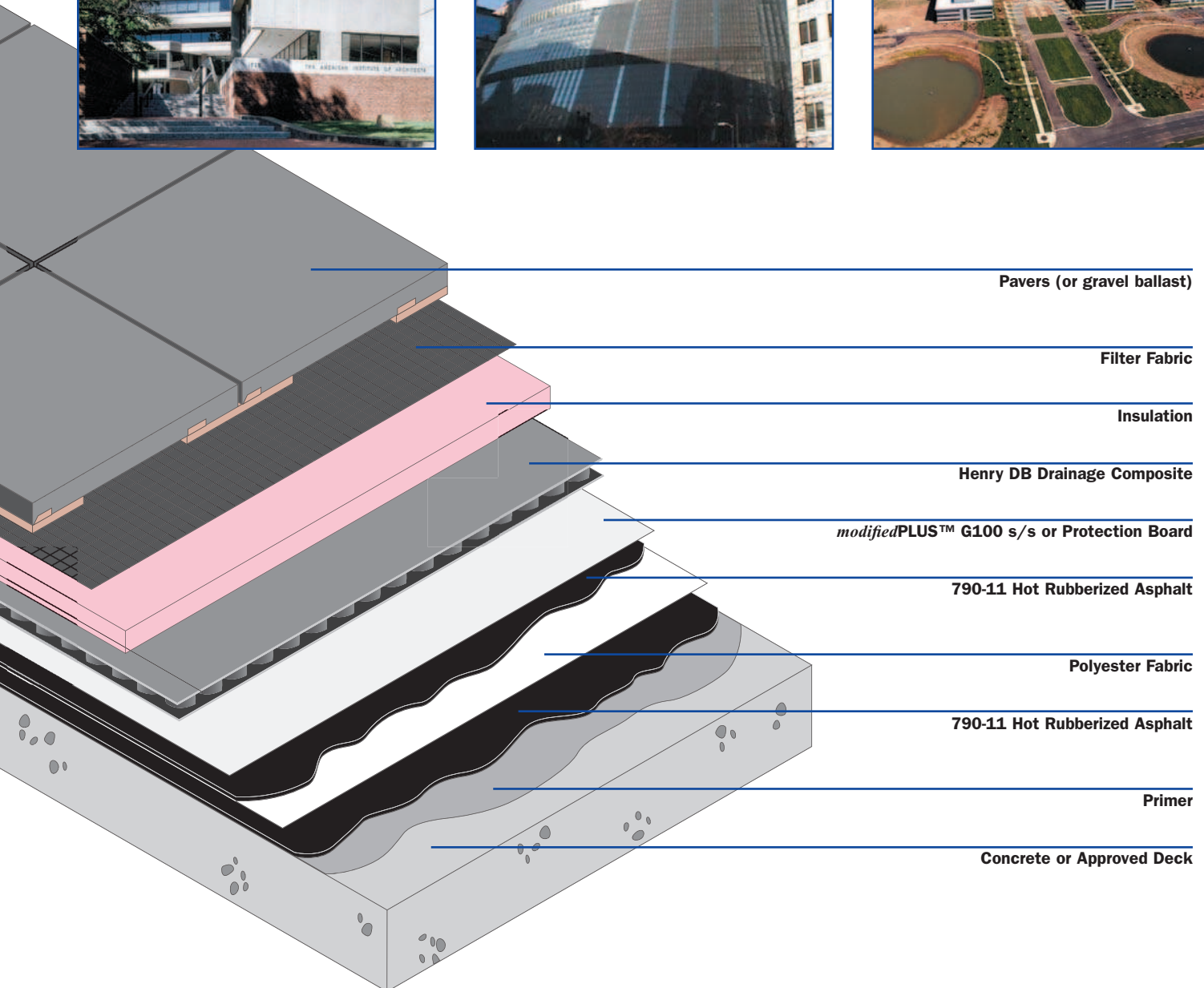
AIA Headquarters, Washington, D.C.



Thompson Center, Chicago, IL



MCI WorldCom Headquarters, Sterling, VA



Our premier system for protected membrane applications...Henry 790-11. Trusted since 1967, this system is a monolithic, joint-free, reinforced and fully adhered membrane that is an ideal solution for new or retrofit concrete decks.

Like all warranted Henry systems, it is applied by Henry trained and qualified contractors.



Consult your Henry representative for specific UL system configurations.

790-11 hot rubberized asphalt

green roof system

Millennium Park, Chicago, IL



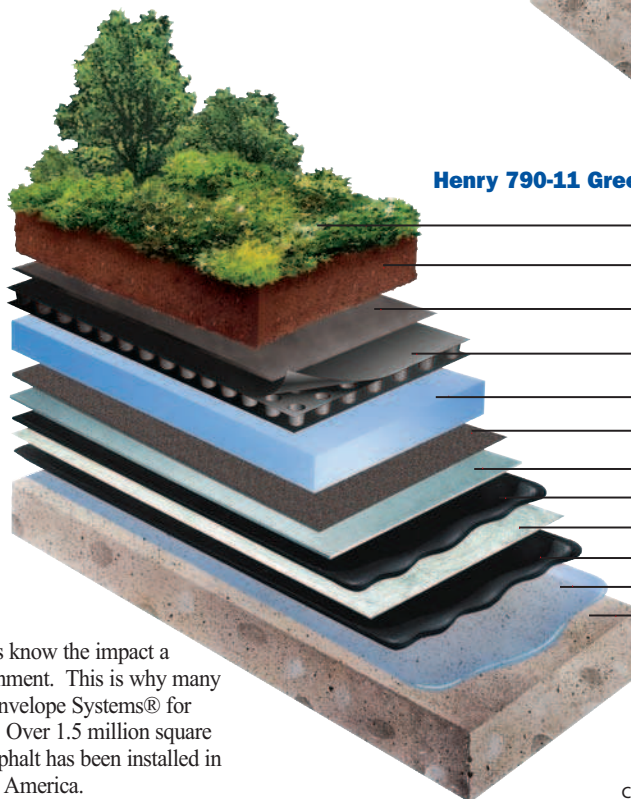
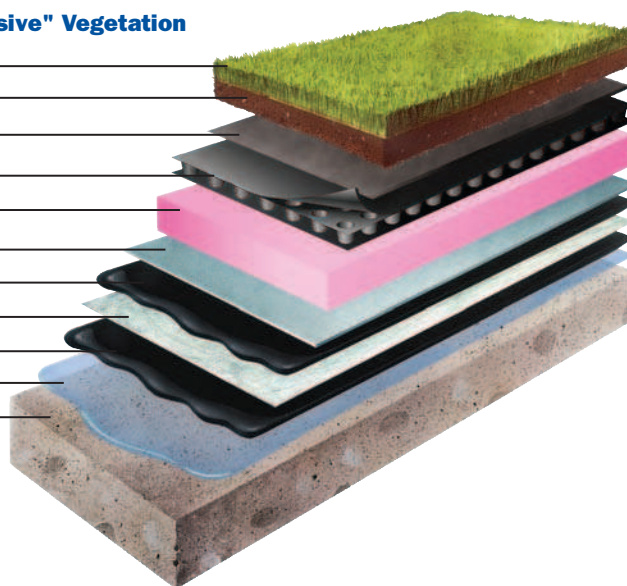
Bank One building, Chicago, IL



**Qualifies
for LEED
Credits!**

Henry 790-11 Green Roof System for "Extensive" Vegetation

Vegetation
Growing Medium
Filter Fabric N04
Henry DBR 50
Insulation
modifiedPLUS® G100 s/s
790-11 Hot Rubberized Asphalt
Polyester Fabric
790-11 Hot Rubberized Asphalt
930-18 Primer
Concrete or approved deck



Henry 790-11 Green Roof System for "Intensive" Vegetation

Vegetation
Growing Medium
Filter Fabric N04
Henry DBR 100
Insulation
Root Bloc™ 20 (Optional)
modifiedPLUS® G100 s/s
790-11 Hot Rubberized Asphalt
Polyester Fabric
790-11 Hot Rubberized Asphalt
930-18 Primer
Concrete or approved deck

Leading architects and designers know the impact a building can have on the environment. This is why many are turning to Henry Building Envelope Systems® for strategies in sustainable designs. Over 1.5 million square feet of 790-11 hot rubberized asphalt has been installed in green roof projects across North America.



Consult your Henry representative for specific UL system configurations.

SBS modified bitumen

cold applications

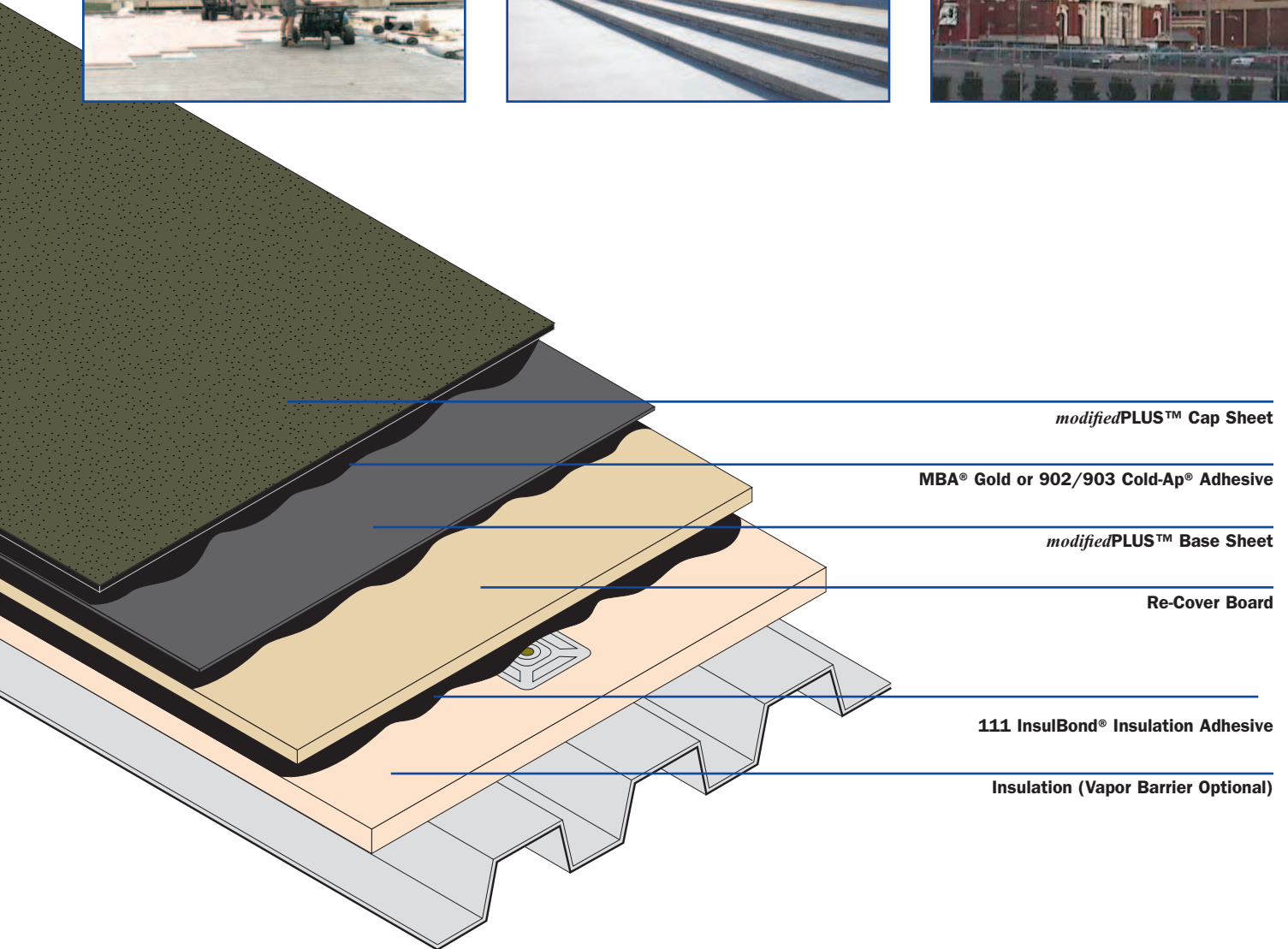
De Paul University, Chicago, IL



Continental Airlines, LAX Training Facility, Los Angeles, CA



St. Joseph's Preparatory School, Philadelphia, PA



The high performance modified bitumen roofing system provides high tensile strength in a rugged reinforced two-ply membrane. Henry brings the added value of industry leading cold adhesives for both the membranes and insulation components, completely eliminating the need for open flame or hot asphalt.

Multiple surfacing options provide the specifier and designer with aesthetic flexibility.



Consult your Henry representative for specific FM or UL system configurations.

SBS modified bitumen

self-adhesive applications

Scotia Bank, Toronto, Ontario



US Smokeless Tobacco Co., Chicago, IL

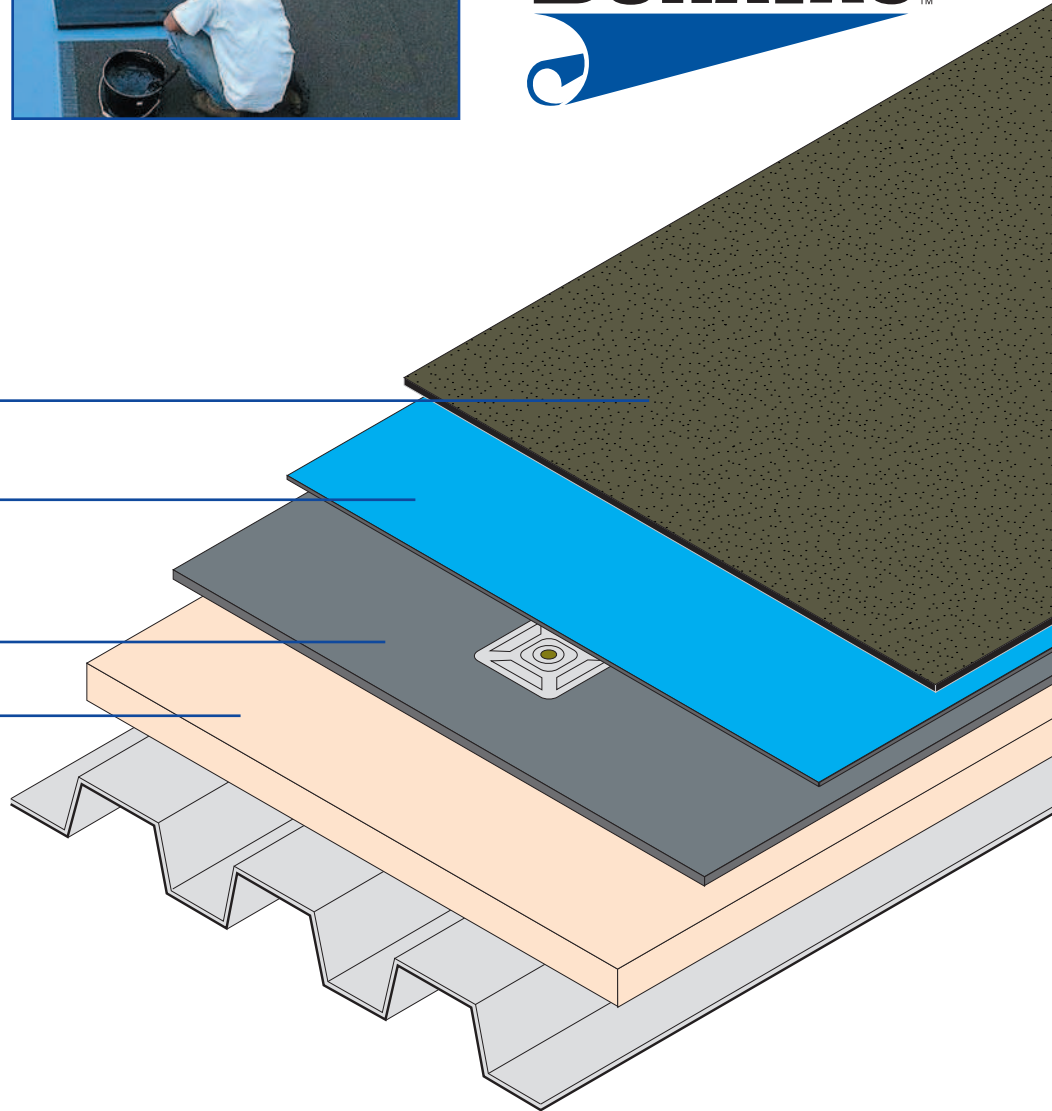


DuraTac™ SA Cap Sheet

DuraTac™ SA Base Sheet

Re-Cover Board

Insulation



No stink. With DuraTac™, there is no disturbing odor

No torch. There is no open flame, reduces risk of fire

No sweat. It is self-adhering, so much safer and easier to apply

Henry, with its leading position in self-adhesive bitumen technology, developed DuraTac™ Roofing Systems to provide all the advantages of modified bitumen while reducing the concerns related to more conventional methods of application. DuraTac™ SA eliminates the odor of roofing asphalt and the risk of fire from torching. It is that friendly.



Consult your Henry representative for specific UL system configurations.

roofing

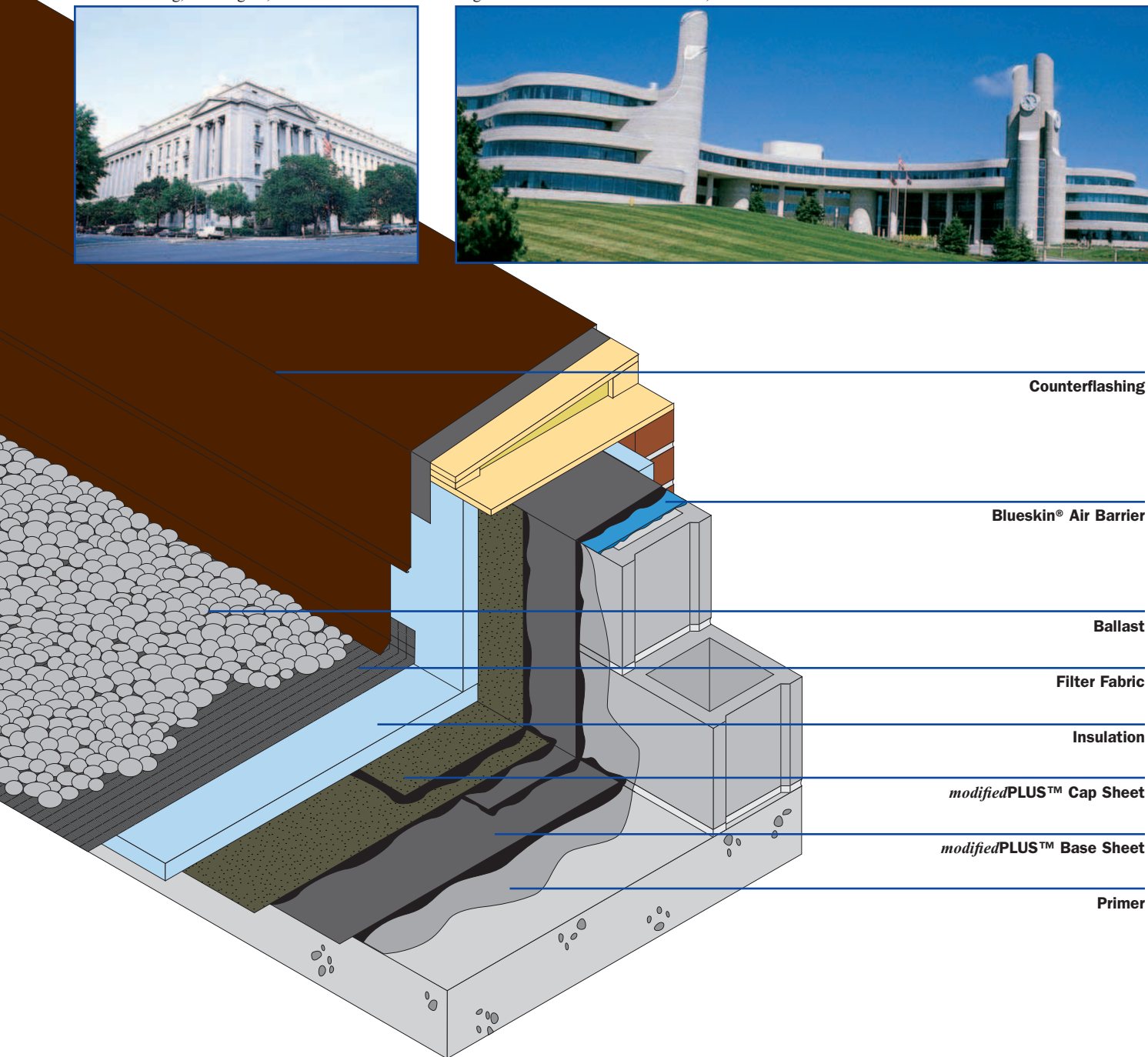
SBS modified bitumen

hot and torch applications

Justice Building, Washington, D.C.



Region of York Administration Centre, Ontario.



Consult your Henry representative for specific FM or UL system configurations.

The two-ply modified bitumen system provides security in thickness and toughness. A specifier knows the headaches of searching for leaks through thin unbonded membranes.

self-adhered

sbs modified bitumen roofing underlayment

WinRidge School, Memphis, TN



Swiss Re Headquarters, Armonk, NY



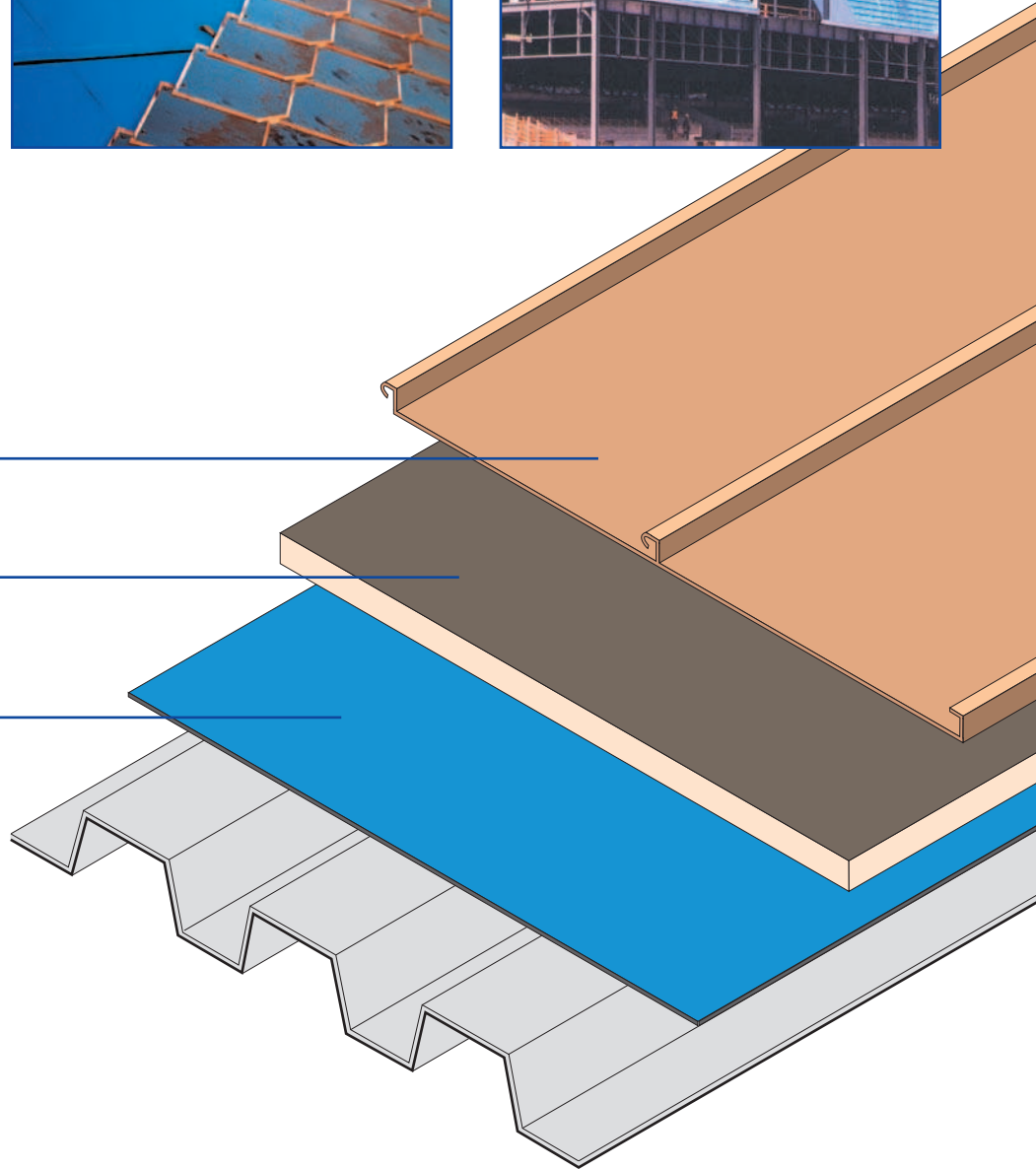
Barrie Raceway, Barrie, Ontario



Architectural Metal Roof

Insulation
(Insulation below underlayment
in hot, humid climates)

Blueskin® PE200 HT



Henry manufactures a full line of self-adhered roofing underlayments including membranes for use under architectural metal, tile, slate, shingles, and other commonly used roofing systems. Various surfacing options and performance characteristics ensure that specific design needs are met.

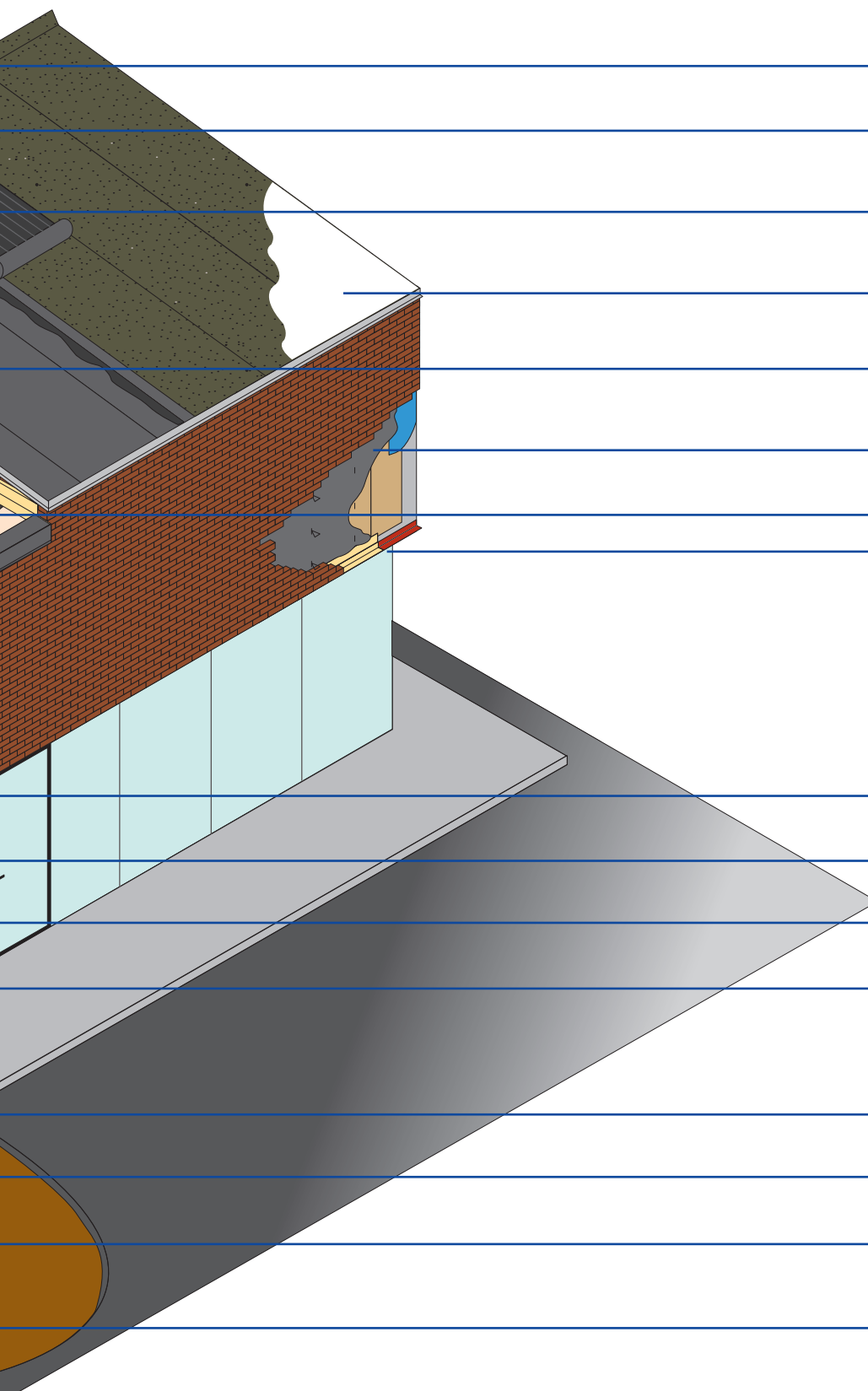
ISO
9002

roofing

integrated systems

for the building envelope







***modifiedPLUS*TM Modified Bitumen
Thermofusible Flashing**

**SEBS 890-12 Polymer
Modified Bitumen Glass Ply BUR**

***modifiedPLUS*TM Cold Applied with
Henry 902, 903, or MBA[®] Gold Adhesive**

**  Cool Roof Reflective Coatings:
Henry 275 White, Henry 280DC White
Elastomeric Roof Coating*
DuraTacTM SA/Re-cover Board
(Self-Adhered System)**

**Air-Bloc 07, Air-Bloc 31, Air-Bloc 33 Vapor
Permeable Liquid Applied Air Barriers***

***modifiedPLUS*TM Hot Applied**

Blueskin[®] TWF Thru-wall Flashing

**Air-Bloc 06 or Air-Bloc 32 Liquid Applied
Air and Vapor Barrier**

**Air-Bloc 21 or Air-Bloc 21 FR Liquid Applied Air
Barrier, Vapor Barrier, and Insulation Adhesive**

**790-11 Hot Rubberized Asphalt
Protected Membrane Roofing**

**Blueskin[®] SA Self-Adhered
Air Barrier**

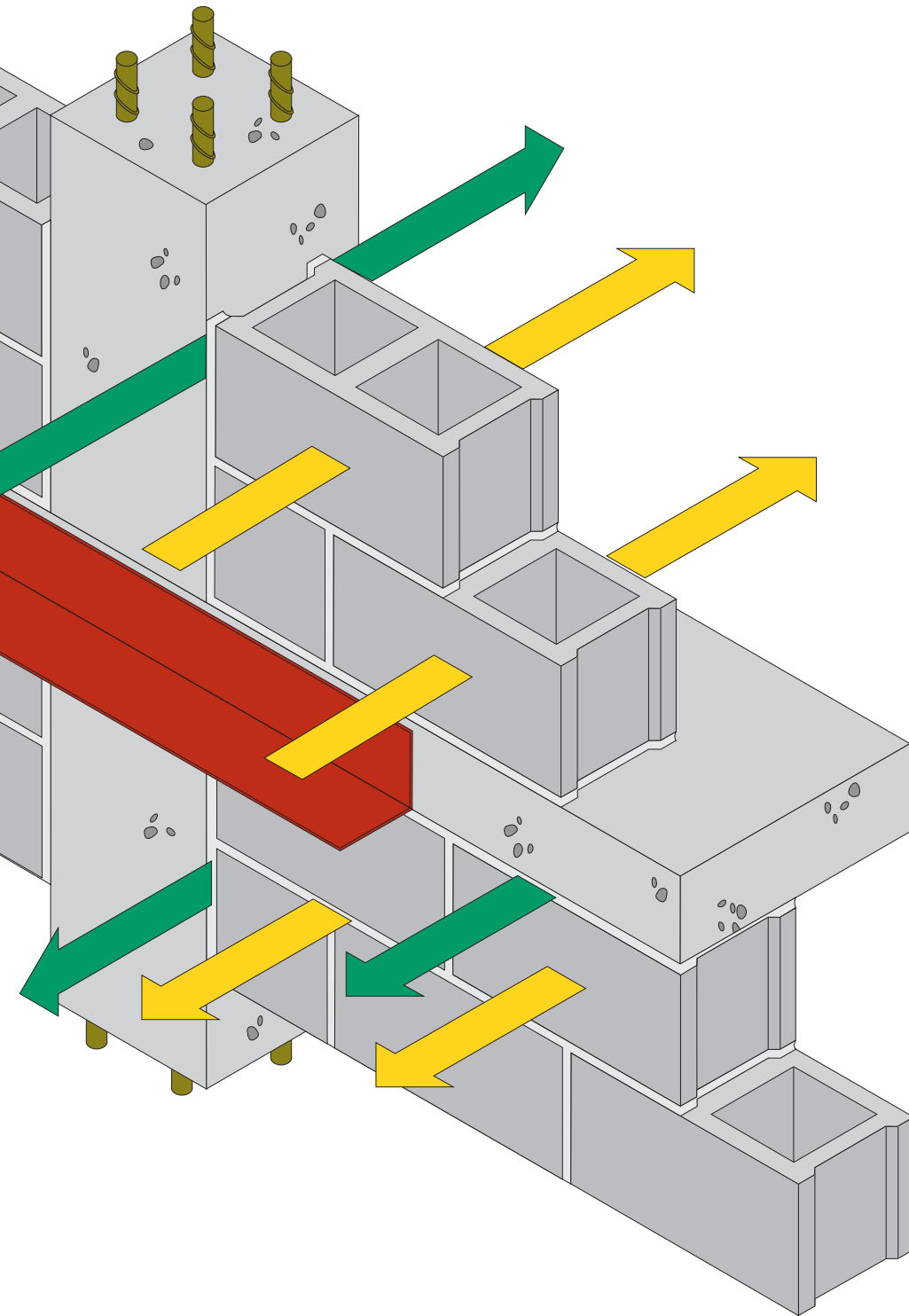
**Blueskin[®] TG Thermofusible
Air Barrier**

**Hot or Cold Applied
or Sheet Waterproofing**

**790-11 Hot Rubberized Asphalt
Plaza Deck Waterproofing**

**790-11 Hot Rubberized Asphalt
or Thermoseal Parking Deck Waterproofing**

the theory of air movement



Air leakage is the uncontrolled movement of air through the Building Envelope. This movement of air is caused by wind, stack effect and fan pressures. The combined forces are significant and must be resisted by the air barrier system.

Uncontrolled air leakage translates into:

- Uncontrolled heat loss
- Uncontrolled cooling costs
- Increased humidification needs
- Condensation problems
- Mold and serious indoor air quality concerns

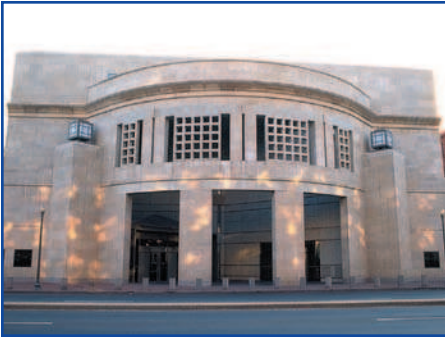
These issues have proven to be significant enough to effect building code changes. Air barrier technology is a rapidly growing concern for all designers and specifiers, and Henry leads the industry with over 20 years of experience with successful, high profile projects.

With over 12 completely integrated systems, our architectural services team can assist building owners, designers and specifiers create an effective plane of air tightness throughout the Building Envelope.

sheet applied

air and vapor barriers

Holocaust Museum, Washington, D.C.



University of Washington, Bothell, WA



Roofing Membrane

Insulation

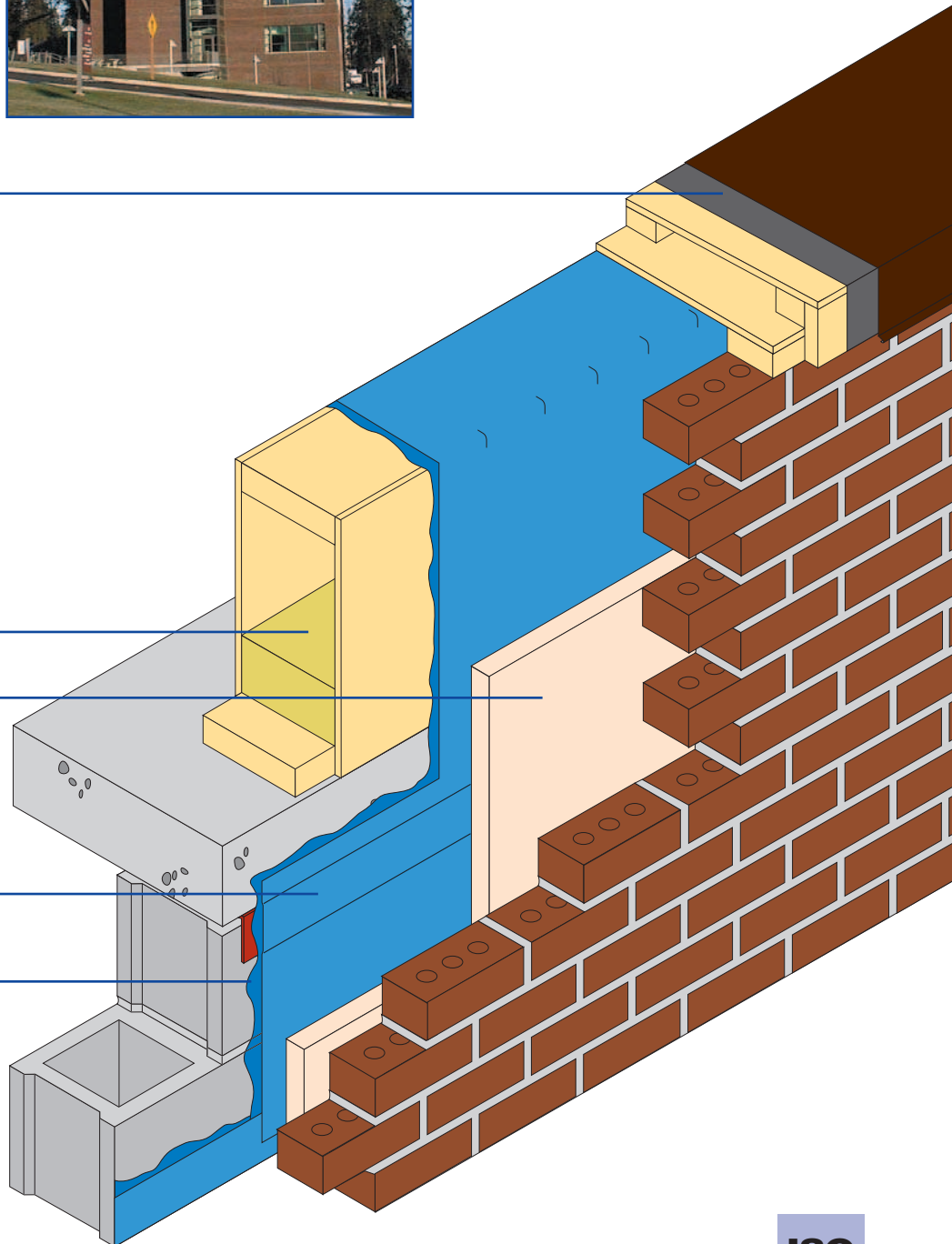
Insulation

Blueskin® SA or Blueskin® TG

Primer

The Blueskin® family of membranes is designed to resist air leakage, water penetration and vapor diffusion. Highly respected and trusted, these membranes are custom matched to the needs of your project and can accommodate virtually any design.

Let the professionals at Henry show you!



ISO
9002

Qualifies for LEED Credits

air barrier

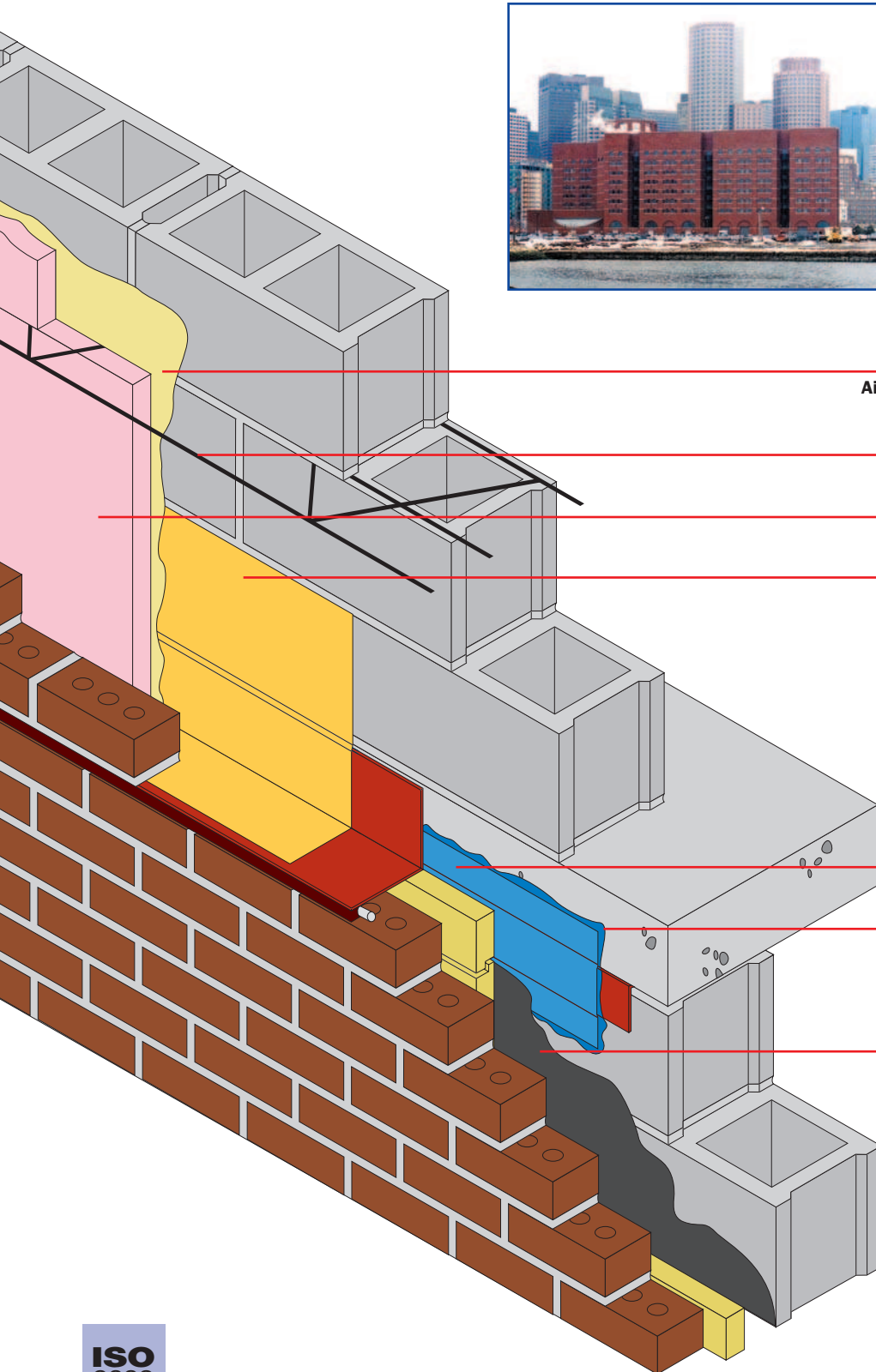
liquid applied

air and vapor barriers for cold climates

Federal Courthouse, Boston, MA



Korean Mission to the UN, New York, NY



Air-Bloc 21/21 FR Air/Vapor Barrier and Adhesive
(use Air-Bloc 32 as low VOC application)

Brick Tie

Insulation

Blueskin® TWF Thru-wall Flashing

Blueskin® SA

Primer

Air-Bloc 06 or Air-Bloc 32
Air/Vapor Barrier

Air-Bloc 06, Air-Bloc 21 and Air-Bloc 32 are elastomeric air and vapor barrier systems that remain resistant to rain water penetration. Unlike a dampproofing product, Air-Bloc 06 Air-Bloc 21 and Air-Bloc 32 are self-sealing and will remain flexible. Air-Bloc 32 is a low VOC system.

A Blueskin® transition sheet is used at the interface of dissimilar substrates to complete the system.

ISO
9002

air barrier

Qualifies for LEED Credits

liquid applied

air and vapor barriers for hot, humid climates

Rice University, Houston, TX



UT School of Nursing, TX



BJ Services Corp, TX



Gypsum Board

Blueskin® SA or Air-Bloc 32
Air/Vapor Barrier

Gypsum Board

Blueskin® TWF
Thru-wall Flashing

Blueskin® SA

Primer

Blueskin® SA or Air-Bloc 32
Air/Vapor Barrier

Air-Bloc 32 or Blueskin® SA are applied to the “warm” side of the wall, to provide an air and vapor barrier in warm climates.

Air-Bloc 32 is a low VOC membrane.

ISO
9002

Qualifies for LEED Credits

air barrier

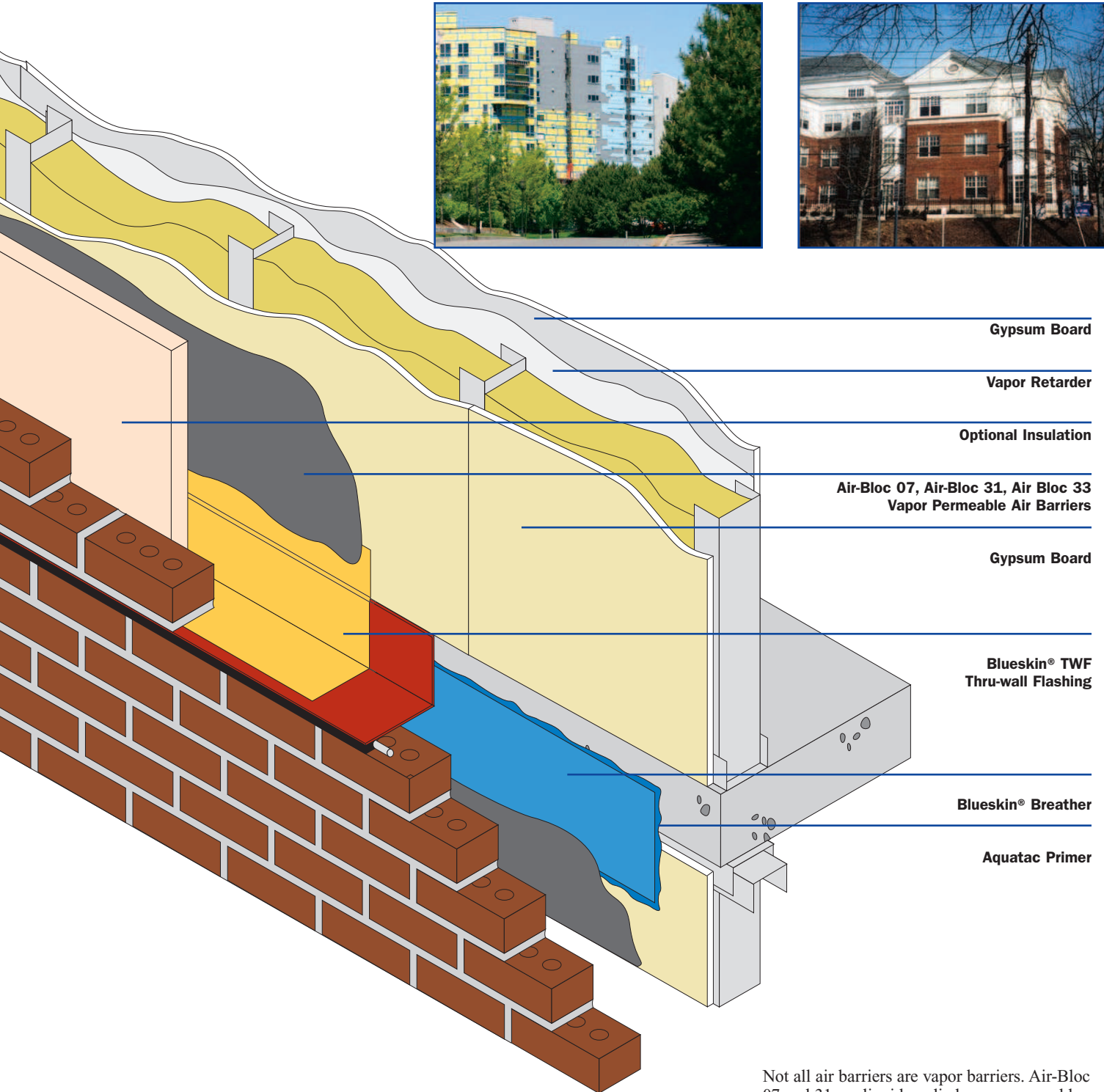
liquid applied

vapor permeable air barrier

Marina Bay, Boston, MA



Sibley Memorial Hospital, Washington, D.C.



Gypsum Board

Vapor Retarder

Optional Insulation

Air-Bloc 07, Air-Bloc 31, Air Bloc 33
Vapor Permeable Air Barriers

Gypsum Board

Blueskin® TWF
Thru-wall Flashing

Blueskin® Breather

Aquatrac Primer

Not all air barriers are vapor barriers. Air-Bloc 07 and 31 are liquid applied vapor permeable air barrier systems, which provide continuous water protection and air tightness, while remaining permeable to the passage of vapor.

Blueskin® is used as a transition membrane to complete the system.

ISO
9002

hot rubberized asphalt waterproofing

The White House, Washington, D.C.



Turnberry Condominiums, Las Vegas, NV



Lincoln Memorial, Washington, D.C.



Pavers or Topping Slab

Filter Fabric

Insulation

Henry DB Drainage Composite

modifiedPLUS™ G100 s/s or
Protection Board

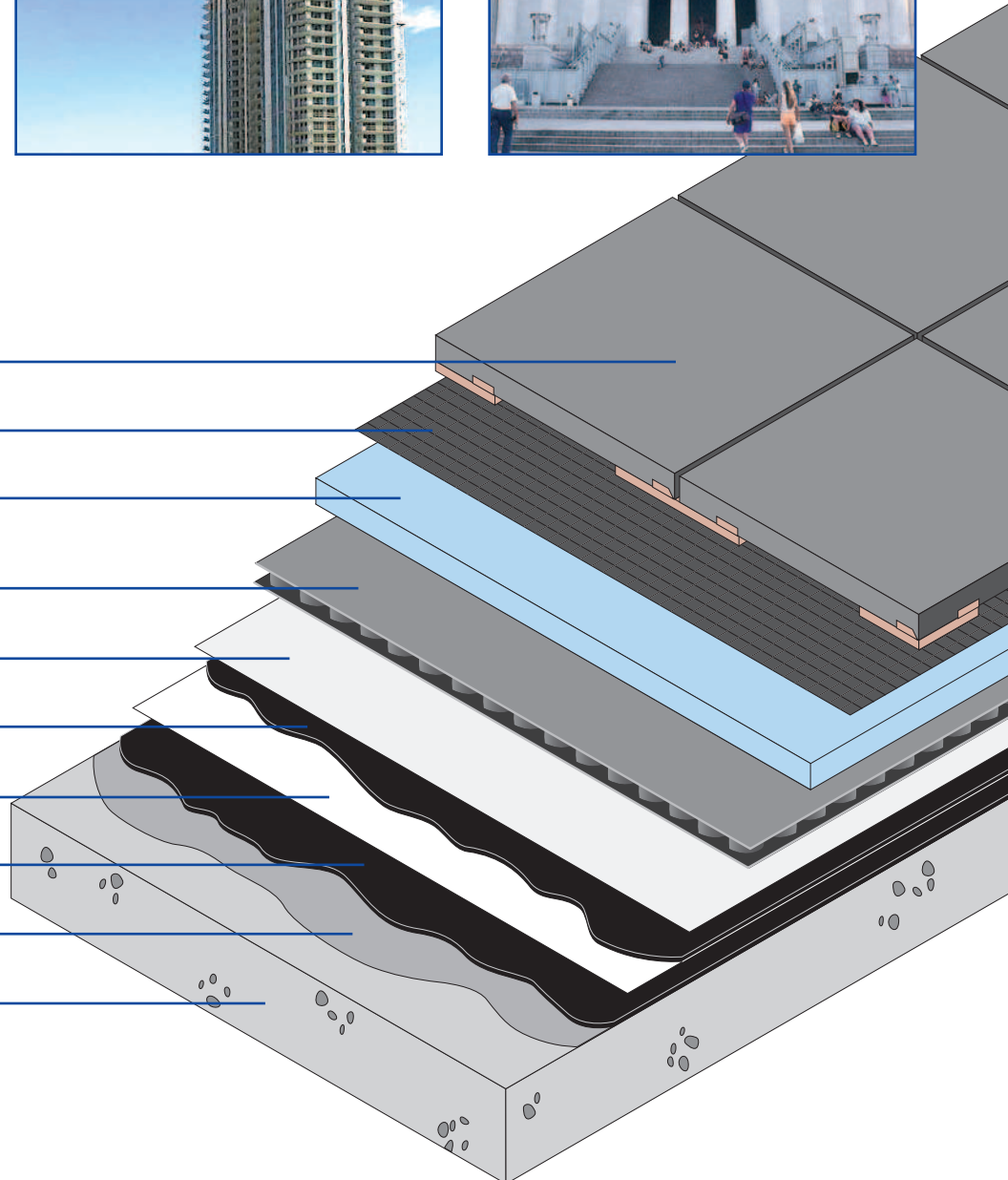
790-11 Hot Rubberized Asphalt

Polyester Fabric

790-11 Hot Rubberized Asphalt

Primer

Concrete



Henry brings to the specifier over 30 years of experience in hot rubberized asphalt. Our flagship 790-11 system is backed by ISO registration, UL Class A, CCMC approval, LARR and other listings. The system is installed by Henry trained and qualified contractors, with available warranty coverage of all components, “from the deck up.”



Consult your Henry representative for specific UL system configurations.

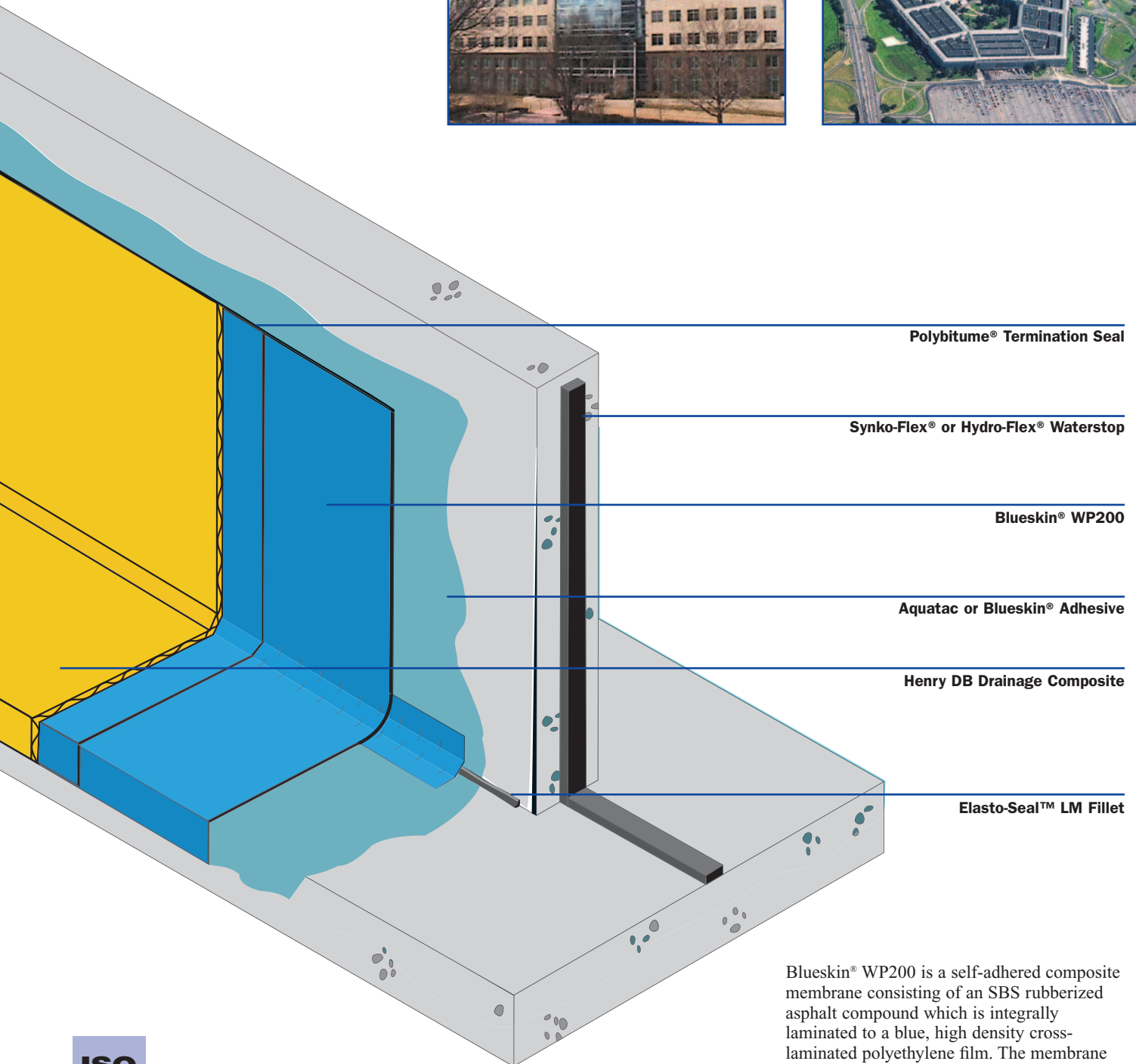
waterproofing

self-adhered waterproofing membrane

Shenandoah Office Tower, Mclean, VA



The Pentagon, Arlington, VA



Blueskin® WP200 is a self-adhered composite membrane consisting of an SBS rubberized asphalt compound which is integrally laminated to a blue, high density cross-laminated polyethylene film. The membrane is specifically designed to be self-adhered to a prepared substrate providing a high performance waterproofing barrier.

ISO
9002

leadership

through innovation

Henry Company serves the Industrial/Commercial/Institutional (ICI) markets as the leading innovator of specialized **Building Envelope Systems®**

These include:

- **Roofing Systems**
- **Air Barrier Systems**
- **Waterproofing Systems**

as well as many other products and systems not in this brochure, including insulation adhesives and protective coatings, specialty industrial emulsions, and many products adapted to the retail consumer.

Henry brings years of **technological experience** as a company devoted to products designed for the construction of high quality buildings and structures.

Henry's quality control, supported by its ongoing ISO registration, provides evidence of its **commitment** to the advancement of technology and to the **quality** of its products. This translates to high quality warranted systems and the unique ability to integrate its systems within its warranty offering.

Corporate highlights include:

- Project-specific design solutions
- Dedicated architectural services team
- Dedicated technical services team
- ISO 9002 registered manufacturing facilities
- Manufacturing facilities and regional offices across North America
- Extensive distribution network
- A history of successful projects

From rooftop to foundation, Henry assures you professional **service** at every level. Combining technical **experience** with a commitment to providing **quality** products, Henry offers the designer, contractor, and building owner a trusted source for complete building **solutions**.



Henry®

Henry®

#1 CHOICE OF PROFESSIONALS®

Henry Company

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El Segundo, CA 90245
www.henry.com

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Technical Services**

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