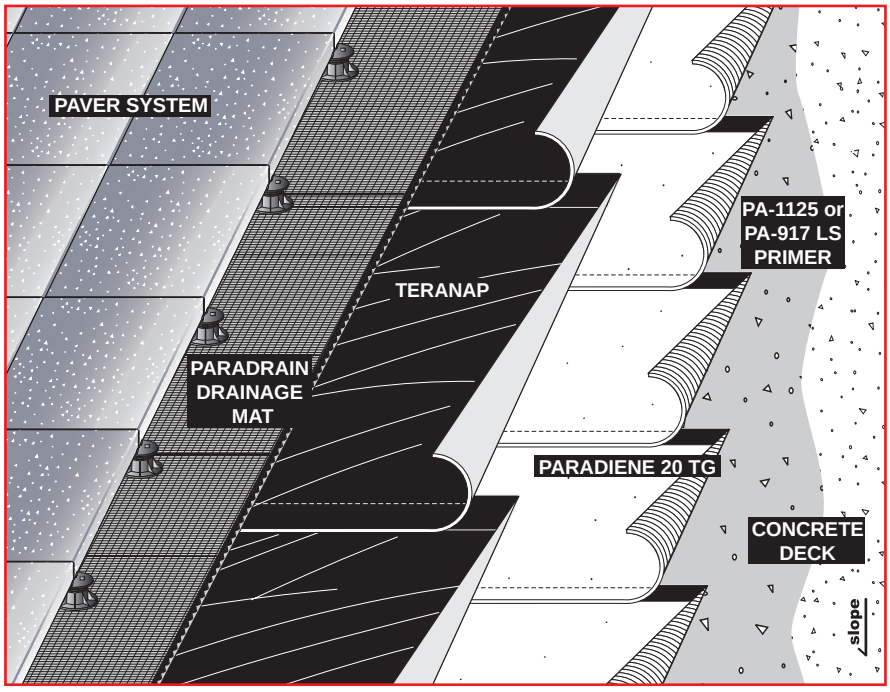
TERANAP PLAZA DECK

DRAINAGE MAT/PEDESTAL/PAVER SYSTEM



n.t.s.

SLOPE	**0" - 1/2" per ft***
MATERIALS	**per 100 sq ft**
PA-1125 or PA-917 LS PRIMER	**1 gal**
PARADIENE 20 TG	**76 lb**
TERANAP	**105 lb**
PARADRAIN DRAINAGE MAT	**25 lb**
PEDESTAL/PAVER SYSTEM	

*** Contact Siplast for higher slope requirements.**

Requirements and recommendations detailed in the Siplast catalog and Siplast long form specifications shall apply in addition to the following recommendations and specifications.

Application

1. Prime the entire deck using PA-1125 or PA-917 LS Primer and allow the primer to dry thoroughly.
2. Beginning at the low point of the roof, fully torch one ply of Paradiene 20 TG to the primed substrate, lapping sides and ends a minimum of 3 inches. Offset end laps a minimum of 3 feet.
3. Beginning again at the low point of the roof, fully torch one ply of Teranap to the Paradiene 20 TG surface, lapping sides and ends a minimum of 6 inches. Offset end laps a minimum of 3 feet. Stagger laps between plies.
4. Lay one layer of Paradrain Drainage Mat dry over the finished Teranap surface.
5. Install the approved pedestal/paver system over the Paradrain Drainage Mat surface according to the paver system manufacturer's specifications and recommendations.

Note: Teranap is manufactured in both 1 meter and 2 meter widths. The Teranap weight shown above is a minimum weight for standard 2 meter wide Teranap. Contact Siplast for weights on other Teranap finish plies.

Caution: Siplast recommends that all practices pertaining to NRCA CERTA guidelines be followed when torching methods are employed. This includes performing a fire watch following any torch applications. Always have approved fire-extinguishing equipment nearby.

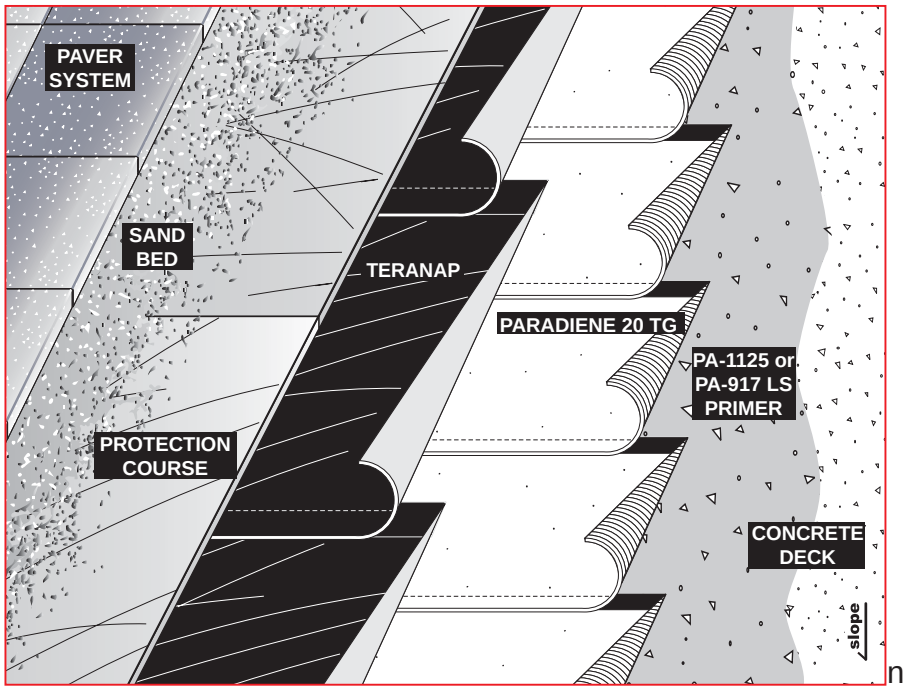
Ref. #: P20-tg Tnap Concrete Drain-mat Paver-ped
Rev. 10.13.11

siplast® 1000 East Rochelle Boulevard Irving, Texas 75062 (800) 922-8800 FAX (469) 995-2206

An Icopal Group Company

TERANAP PLAZA DECK

PROTECTION COURSE/SAND BED/PAVER SYSTEM



n.t.s.

SLOPE	**0" - 1/2" per ft***
MATERIALS	**per 100 sq ft**
PA-1125 or PA-917 LS PRIMER	**1 gal**
PARADIENE 20 TG	**76 lb**
TERANAP	**105 lb**
PROTECTION COURSE	
SAND BED	
PAVER SYSTEM	

*** Contact Siplast for higher slope requirements.**

Requirements and recommendations detailed in the Siplast catalog and Siplast long form specifications shall apply in addition to the following recommendations and specifications.

Application

1. Prime the entire deck using PA-1125 or PA-917 LS Primer and allow the primer to dry thoroughly.
2. Beginning at the low point of the roof, fully torch one ply of Paradiene 20 TG to the primed substrate, lapping sides and ends a minimum of 3 inches. Offset end laps a minimum of 3 feet.
3. Beginning again at the low point of the roof, fully torch one ply of Teranap to the Paradiene 20 TG surface, lapping sides and ends a minimum of 6 inches. Offset end laps a minimum of 3 feet. Stagger laps between plies.
4. Install the approved protection course dry over the Teranap surface according to the protection course manufacturer's specifications and recommendations.
5. Install the approved block paver system over a sand-leveling bed according to the paver system manufacturer's specifications and recommendations.

Note: Teranap is manufactured in both 1 meter and 2 meter widths. The Teranap weight shown above is a minimum weight for standard 2 meter wide Teranap. Contact Siplast for weights on other Teranap finish plies.

Caution: Siplast recommends that all practices pertaining to NRCA CERTA guidelines be followed when torching methods are employed. This includes performing a fire watch following any torch applications. Always have approved fire-extinguishing equipment nearby.

Ref #: P20-tg Tnap Concrete Protect-bd Paver-sand
Rev: 10.13.11

siplast® 1000 East Rochelle Boulevard Irving, Texas 75062 (800) 922-8800 FAX (469) 995-2206

An Icopal Group Company

HANOVER®
Architectural Products

PRODUCT DATA SHEET

Hanover® Prest® Pavers

Hanover® Prest® Pavers meet Federal Metric Construction Guidelines. Hanover® Pavers are manufactured metrically and actually measure 3mm less than the metric size shown.

PAVER SIZE
Refer to the size chart below for size information.

PAVER THICKNESS
Standard thickness for Hanover® Prest® Pavers is 2" or 50mm which is suitable for pedestrian applications. However, when utilized in urban pedestrian applications, we recommend increasing the thickness to 2 1/2". The additional strength will help to accommodate the unpredictable circumstances and stressful situations that exist in the urban city environment. Please note that the larger pavers have a standard thickness of 2 1/2" or 63mm.

Dimensionally Compatible Prest® Paver Sizes

		1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	3"	4"
150mm x 447mm	5 7/8" x 17 5/8"				X	X	X	X	X
150mm x 597mm	5 7/8" x 23 1/2"				X	X	X	X	X
150mm x 897mm	5 7/8" x 35 3/8"				X	X	X	X	X
297mm x 297mm	11 3/4" x 11 3/4"		X	X	X	X	X	X	
297mm x 447mm	11 3/4" x 17 5/8"		X	X	X	X	X	X	
297mm x 597mm	11 3/4" x 23 1/2"		X	X	X	X	X	X	
297mm x 899mm	11 3/4" x 35 3/8"		X		X	X	X	X	
297mm x 1197mm	11 3/4" x 47 1/8"						X	X	
447mm x 447mm	17 5/8" x 17 5/8"		X	X	X	X	X	X	X
447mm x 597mm	17 5/8" x 23 1/2"		X	X	X	X	X	X	
447mm x 899mm	17 5/8" x 35 3/8"		X		X	X	X	X	
597mm x 597mm	23 1/2" x 23 1/2"		X	X	X	X	X	X	X
597mm x 897mm	23 1/2" x 35 3/8"			X	X	X	X	X	
597mm x 1197mm	23 1/2" x 47 1/8"*						X	X	
897mm x 897mm	35 3/8" x 35 3/8"*						X	X	

Additional Prest® Paver Sizes

		1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	3"	4"
302mm x 302mm	11 7/8" x 11 7/8"		X		X	X	X	X	
303mm x 303mm	11 15/16" x 11 15/16"		X		X	X	X	X	
378mm x 378mm	14 7/8" x 14 7/8"		X		X	X	X	X	
403mm x 403mm	15 7/8" x 15 7/8"		X		X	X	X	X	
454mm x 454mm	17 7/8" x 17 7/8"		X		X	X	X	X	
597mm x 747mm	23 1/2" x 29 1/2"				X	X	X	X	
606mm x 606mm	23 7/8" x 23 7/8"		X		X	X	X	X	
606mm x 911mm	23 7/8" x 35 7/8"		X		X	X	X	X	
756mm x 756mm	29 3/4" x 29 3/4"				X	X	X	X	
759mm x 759mm	29 7/8" x 29 7/8"				X				
908mm x 908mm	35 3/4" x 35 3/4"*						X	X	
911mm x 911mm	35 7/8" x 35 7/8"*						X		
Hexagonal, 402mm across flats	Hexagonal, 15 7/8" across flats				X	X	X	X	
Hexagonal, 597mm across flats	Hexagonal, 23 1/2" across flats				X	X	X	X	
Octagonal, 402mm across flats	Octagonal, 15 7/8" across flats				X	X	X	X	

= Standard Thickness = SlateFace® Paver Thickness (22 lbs/sf)

Please Note: Paver weight at a 2" thickness is 25 lbs/sf.

*Note increased thickness and weight for these paver sizes.

Hanover® Prest® Pavers (continued)

RELATIVE STRENGTHS: (at 2" thickness)

Absorption:	less than 5%	Compressive:	8,500 psi at 28 days
Density:	155 lbs/cu ft.	Flexural:	1,100 psi

Hanover® Prest® Pavers, high density, hydraulically pressed concrete units, are manufactured to 1/8" tolerances and produced by subjecting the concrete mix to a minimum pressure of 1,000 pounds per square inch over the entire surface area. This results in a product with the density and strength of natural stone.

The concrete pavers shall be fabricated of Coplay Cement, Type I, Buff. Aggregates should be a blend from 200 mesh to 5/8" with a light gray color. The aggregate used should have a PA S.R.L. Test of H and a specific gravity of 2.79 and absorption of 2.60. The aggregates should be washed with no deleterious substances, with no thin or elongated pieces. The aggregated should have an L.A. abrasion test of 21 and L.A. rattles loss test of 21.8% (at 500 revolutions). Most specifically, the aggregates should have a wash test of less than 1%. This includes materials lost by washing the aggregate - even those finer than 200 mesh. Mix should be prepared in a stationary mixer to a 5" slump, mixed a maximum time of 2 minutes and placed in the mold in a homogenous state. The whole of the paver is to be of the same design and a single mix system. Hydraulic pressure to be employed should be a minimum of 800,000 pounds without use of any vibration.

The top surface finish shall be Tudor® of Hanover® Architectural Products, Inc. design. The concrete pavers are to be integrally colored with custom blended shades as specifically prepared by Hanover® Architectural Products, Inc. The final shade as selected by the architect.

STANDARD COLORS:

Limestone Gray, Quarry Red, Cream, Tan, Brown, Red 15, Charcoal, and Natural

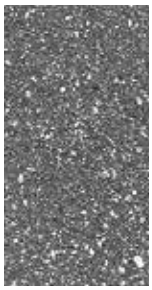
Custom color and aggregate blending is available on special order and when quantity ordered permits.

HANOVER® PREST® PAVER COLORS

The colors shown are a small sampling of the colors Hanover® can provide. Custom color and aggregate blending is Hanover's specialty. Texture is as important to the appearance of the installation as color and pattern. Hanover's Tudor® Finish adds a weathered or sandlblasted appearance lightly exposing the aggregates, while Hanover's Ground Finish provides a smooth surface, more clearly revealing the aggregates.

STANDARD COLORS WITH TUDOR® FINISH


Quarry Red


Charcoal


Natural*


Red 15


Tan


Brown


Cream


Limestone Gray

*Natural color Prest® Pavers have a tendency to vary in color within any given shipment. It may vary in shade from gray/buff to light gray, and even to a darker gray. This variance should be expected and considered normal for the Natural color Prest® Pavers.

PLEASE NOTE: For stability of color, sealing is recommended. Two types of sealers are suggested – Hanover® Intensifying Sealer or Hanover® Natural Sealer.

CUSTOM COLORS WITH GROUND FINISH


Super Black


Matrix #1111


Matrix #1171


Matrix #1049


Matrix #1185


Matrix #1109


Matrix #1151


Matrix #1240

CUSTOM COLORS WITH TUDOR® #13 FINISH


Matrix #1428


Matrix #1775


Matrix #2127


Matrix #1914

CUSTOM COLORS WITH TUDOR® FINISH


Matrix #1458


Matrix #1025


Matrix #115


Matrix #1171*


Antietam*


Matrix #1119


Matrix #1151*


Glacier White


Matrix #1914


Matrix #1916*


Matrix #1952


Matrix #1457


Matrix #1856


Matrix #1875*


Matrix #1810


Matrix #1649


Matrix #1767


Matrix #1442


Matrix #1111*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Matrix #1636


Matrix #1983


Matrix #2088

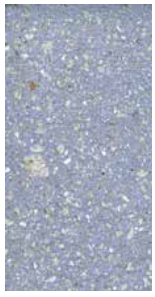

Matrix #2922

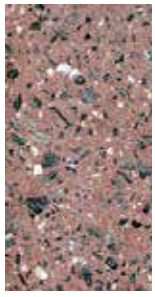

Matrix #1428


Matrix #2115


Matrix #2156


Matrix #1930


Matrix #1537


Matrix #2659


Matrix #2259


Matrix #2835

PLEASE NOTE: Additional custom blending is available on special order when quantities permit. The color photos shown were prepared with great concern for accuracy. However, it is suggested that actual samples be requested before specifying. Due to the natural variance of the raw materials used, products can be expected to differ slightly from sample to actual product. It is recommended that the products be cleaned after the installation is finished. Contact our representatives for product suggestions.

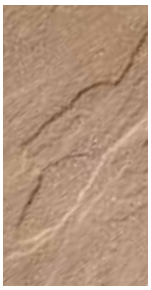
Colors shown are custom colors. Contact a Hanover® Representative for pricing.

* Colors are available with a Heavy Tudor®, Ground or Ground Tudor® finish only.

HANOVER® PREST® PAVER COLORS

SLATEFACE® PREST® PAVER COLORS

BlueStone
(#M2374)



Tennessee Flagstone
(#M2343)

PLEASE NOTE: The color photos shown to the left are a representation of possible color blend and texture. The actual product may vary. Hanover's blended colors consist of several shades and will include some solid and some blended pieces.

WOODLAND® PAVER COLORS

Dark Cedar

Brazilian
Cherry

Black Forest
Oak

DETECTABLE WARNING® PAVER COLORS

Charcoal

Red-15

Yellow
(Matrix #1517)

PLEASE NOTE: Tudor® finish is available on special order when quantities permit.

PLEASE NOTE: Additional custom blending is available on special order when quantities permit. The color photos shown were prepared with great concern for accuracy. However, it is suggested that actual samples be requested before specifying. Due to the natural variance of the raw materials used, products can be expected to differ slightly from sample to actual product. It is recommended that the products be cleaned after the installation is finished. Contact our representatives for product suggestions.

HANOVER®
Architectural Products
5000 Hanover Road, Hanover, PA 17331
717.637.0500 • fax 717.637.7145
www.hanoverpavers.com

GENERAL DESCRIPTION

The Hanover High-Tab™ fixed-height pedestal system consists of octagonal fixed height support pedestals with taller integral joint spacer tabs composed of high density polyethylene that can be combined with octagonal leveling plates/shims made of flexible rubber.

BASIC USE

The Hanover fixed-height pedestal system is designed for use with Hydrotech's Architectural Pavers to provide a loose-laid, open joint paver installation. Combinations of leveling plates and pedestals can provide elevation of the pavers off the substrate from 1/16 inch, to provide free drainage and air movement beneath the paver surface or to make up for differences in height between the structural deck and the finished elevation.

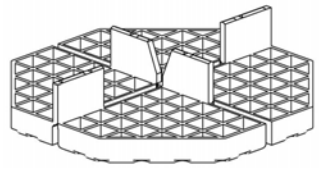
Leveling plates can be used singularly or stacked together to accommodate elevations from 1/16 inch to 5/8 inch (thickness of a support pedestal). Spacer tabs must be used to maintain consistent 1/8 inch joint spacing between pavers.

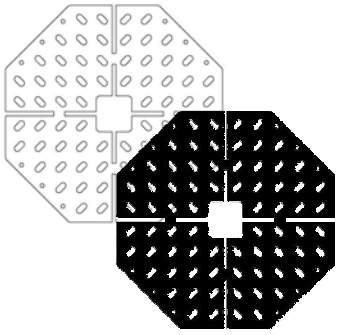
Support pedestals can be used singularly or stacked together to accommodate elevations from 5/8 inch to 3 inches. Leveling plates can be used with the support pedestals in whole, halves or quarters for minor leveling and elevation adjustments.

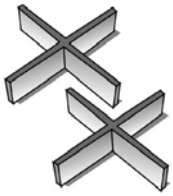
Both support pedestals and leveling plates are easily separated into halves or quarters to accommodate perimeter and corner conditions.

TECHNICAL SPECIFICATIONS

High-Tab™ Pedestal	High Density Polyethylene	7 inches across flat dimen.; 5/8 inch thick; 1/8 inch joint High-Tab™ spacer tabs
Leveling Plate	Flexible Rubber	7 inches across flat dimen.; 1/8 (white) and 1/16 (black) inch thick
Spacer Tabs	Rigid Plastic	1/8 inch thick

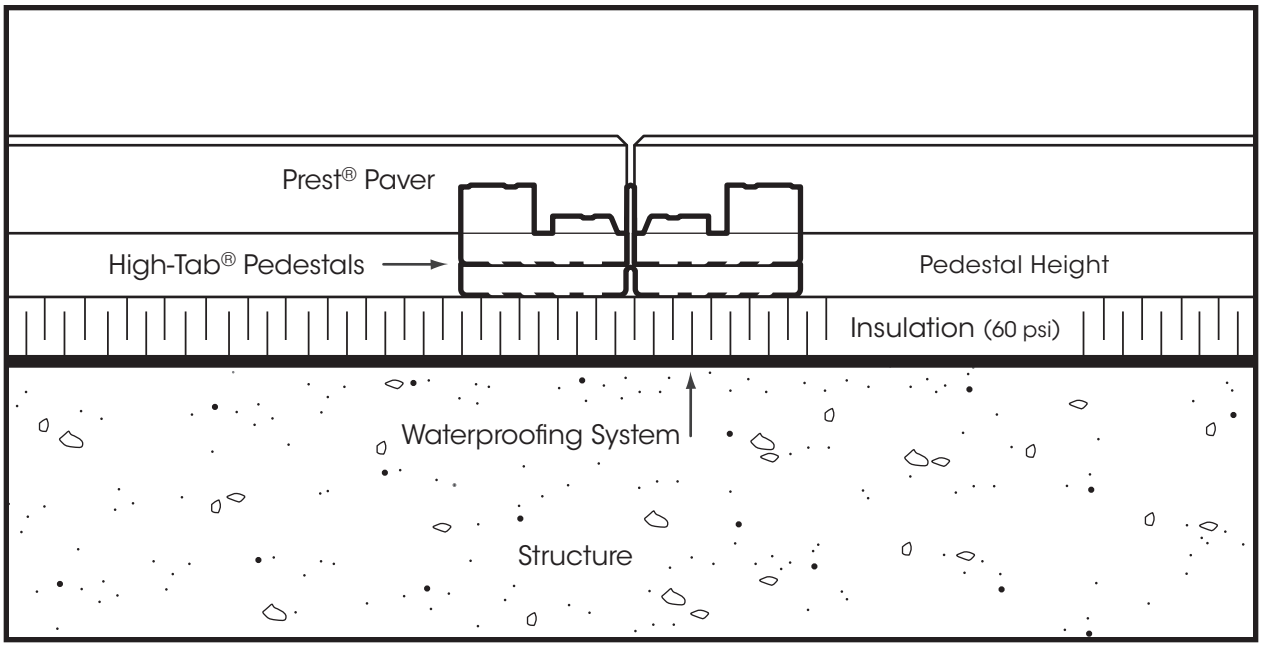






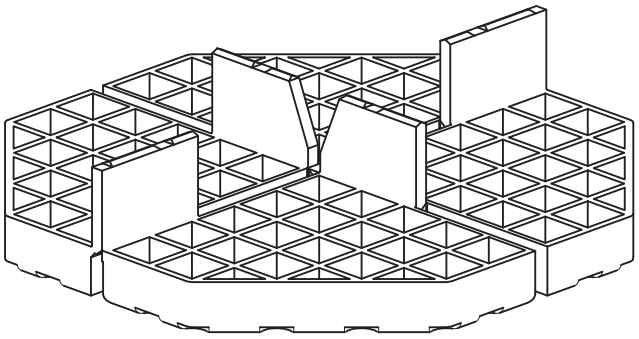
American Hydrotech, Inc.
303 East Ohio St., Chicago, Ill., 60611 * (312) 337-4998 * FAX (312) 661-0731 * www.hydrotechusa.com * 03/07

Hanover® Prest® Pavers on High-Tab® Pedestals



Pavers are shown on two High-Tab® Pedestals

The illustration above shows a cross section of a roof deck installation. Insulation board with a minimum of 60 psi is required to support the paver/pedestal assembly under pedestrian use.



HANOVER®
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717.637.0500 fax 717.637.7145
www.hanoverpavers.com

11.27.13

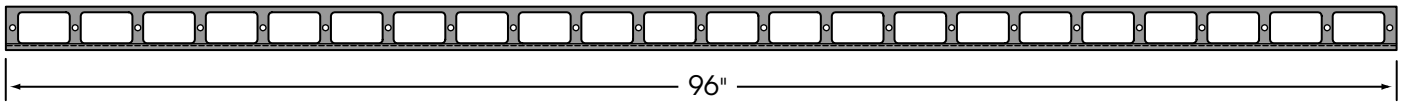
HANOVER® EDGE 100

Edge Restraint for Interlocking Paving Units

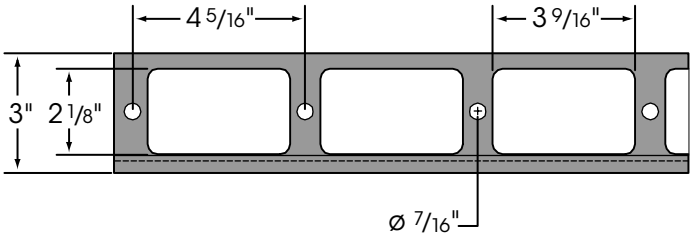
Hanover® Edge 100 is a one piece edge restraint system made from UV resistant 100% recycled material. Hanover's edging will provide unit paver system interlock which is essential to a long lasting and stable paver installation. Designed with a strength rib, Hanover® Edge 100 has incredible durability. Curves, radii and straight edges can all be achieved with one piece; simply cut the back and flex to desired radius. Use with Hanover's Edging Spikes for a quick and simplified installation. With an open base, soil can be backfilled and grass will grow through the voids in the edging and up to the paver edge. Hanover® Edge 100 is well suited for both commercial and residential applications.

- 100% recycled material
- UV resistant
- Commercial and residential applications
- Quick and easy installation
- Curves, radii and straight edges
- Open base for grass growth

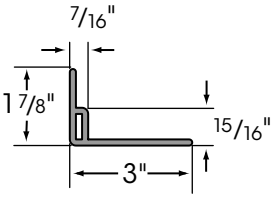
TOP VIEW



ENLARGED TOP VIEW



SIDE VIEW



Length: 8′ or 96″ Height: 1 7/8″ Depth: 3″

PACKAGING

1 Bundle = 12 pieces = 96 feet = 33 lbs

1 Pallet = 660 pieces = 5280 feet = 1958 lbs

55 Bundles = 1 pallet

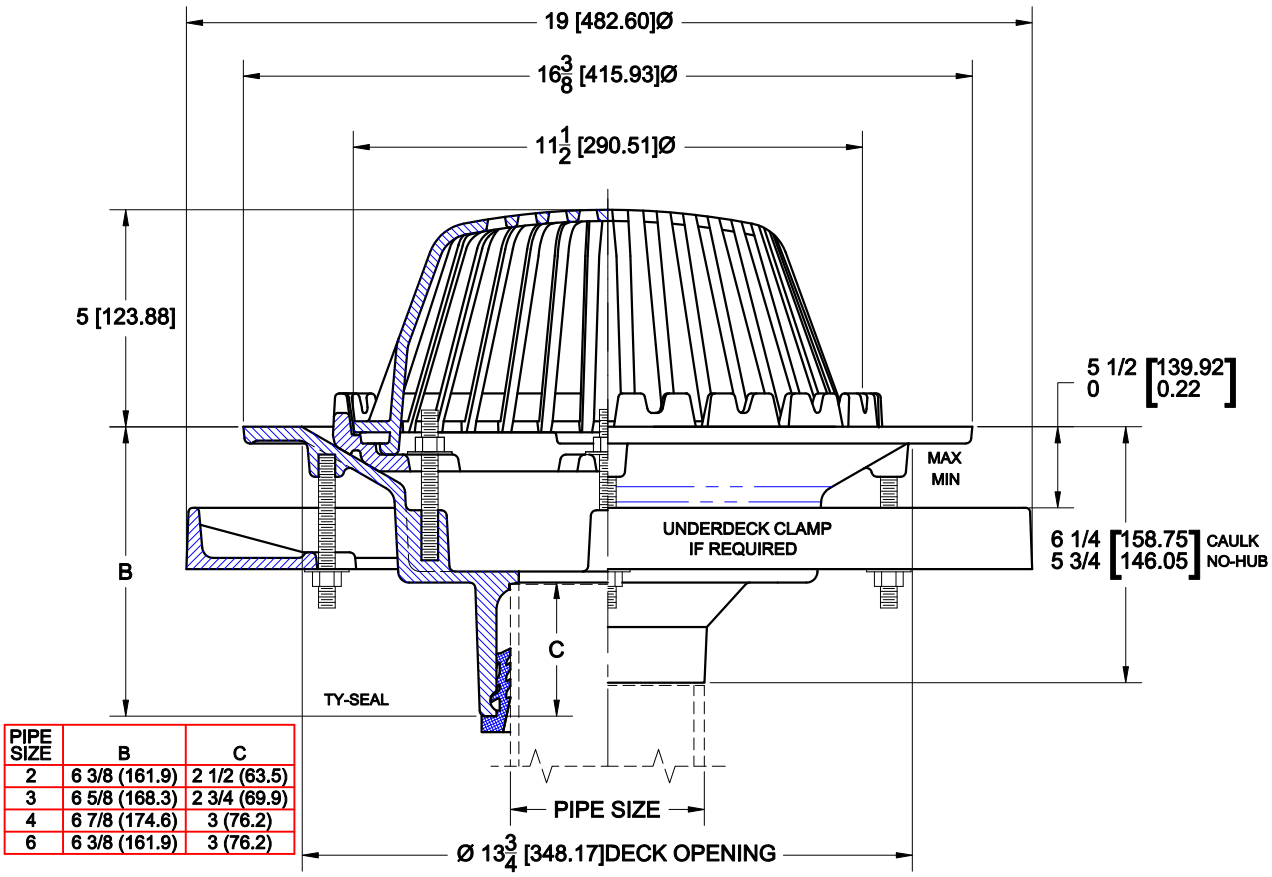
Please Note : Weights shown are approximate.

HANOVER®
Architectural Products
5000 Hanover Road, Hanover, PA 17331
717.637.0500 • fax 717.637.7145
www.hanoverpavers.com

ROOF DRAIN

3000

CAST IRON ROOF DRAIN WITH CLAMPING COLLAR INTEGRAL WITH GRAVEL STOP, MUSHROOM TWIST LOCK DOME AND BOTTOM OUTLET



PIPE SIZE	B	C
2	6 3/8 (161.9)	2 1/2 (63.5)
3	6 5/8 (168.3)	2 3/4 (69.9)
4	6 7/8 (174.6)	3 (76.2)
6	6 3/8 (161.9)	3 (76.2)

Cat. No.	Pipe Size	Wt. Lbs.
☐ 3002	2 (50)	41.0
☐ 3003	3 (75)	42.0
☐ 3004	4 (100)	42.0
☐ 3005	5 (125)	42.0
☐ 3006	6 (150)	43.0
☐ 3008	8 (200)	43.0

OPTIONS

Suffix	Description
☐ 3	ROUGH BRONZE DOME
☐ 5	VANDAL PROOF
☐ 39	GALVANIZED IRON PARTS
☐ 46	ALUMINUM DOME
☐ 52	BEARING PAN
☐ 53	UNDERDECK CLAMP

OUTLETS

☐ NH NO-HUB ☐ TY TY-SEAL ☐ IC INSIDE CAULK ☐ IPS THREADED

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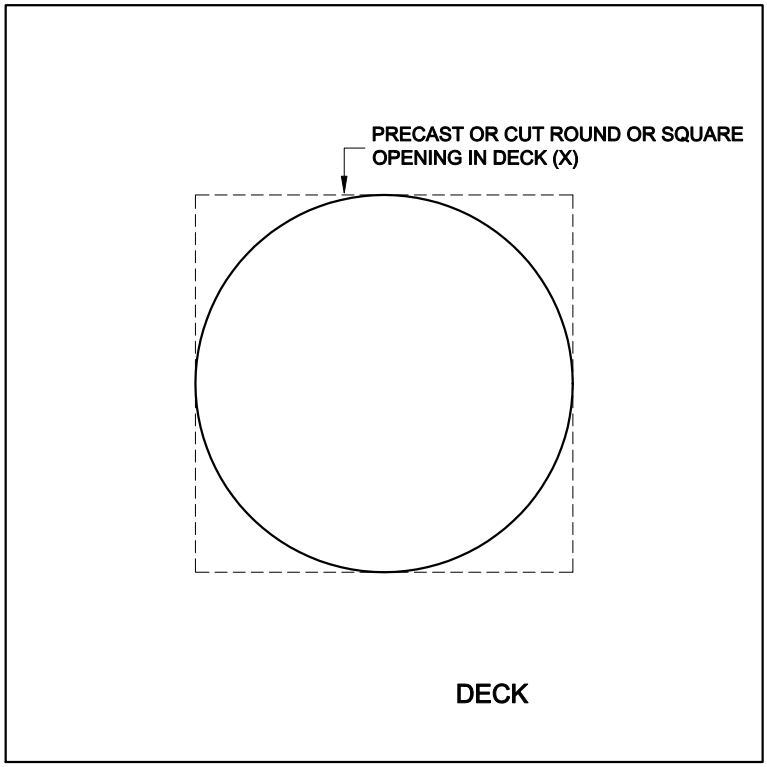
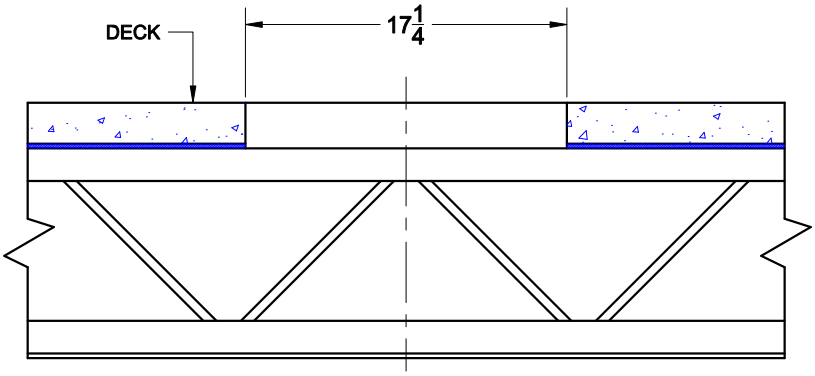
LARGE ROOF DRAIN

3000

CAST IRON ROOF DRAIN WITH CLAMPING COLLAR INTEGRAL WITH GRAVEL STOP, MUSHROOM DOME AND BOTTOM OUTLET





1. AT THE PREDETERMINED LOCATION LOCATE THE CENTER FOR THE DRAIN OPENING & SCRIBE TO DIMENSION.
2. VERIFY THAT THERE ARE NO OBSTRUCTIONS UNDER THE AREA WHERE THE DRAIN IS TO BE LOCATED.
3. CHECK TO INSURE THAT THE LOCATION IS TO THE SYSTEM ENGINEERED PLANS.
   LOCATE PRECISELY - DO NOT DEVIATE FROM PLANS.
4. IF THE SPECIFIED LOCATION HAS INTERFERENCES OR IF A LOCATION CHANGE IS DESIRED, DO NOT PROCEED. CONSULT WITH THE ENGINEERING AUTHORITY RESPONSIBLE FOR THE DESIGN SO THE CHANGE CAN BE REEVALUATED.
5. IF NO PROBLEMS EXISTS AT THE PREDETERMIND SITE, CUT A ROUND OR SQUARE OPENING IN THE DECK (X - DIMENSION)

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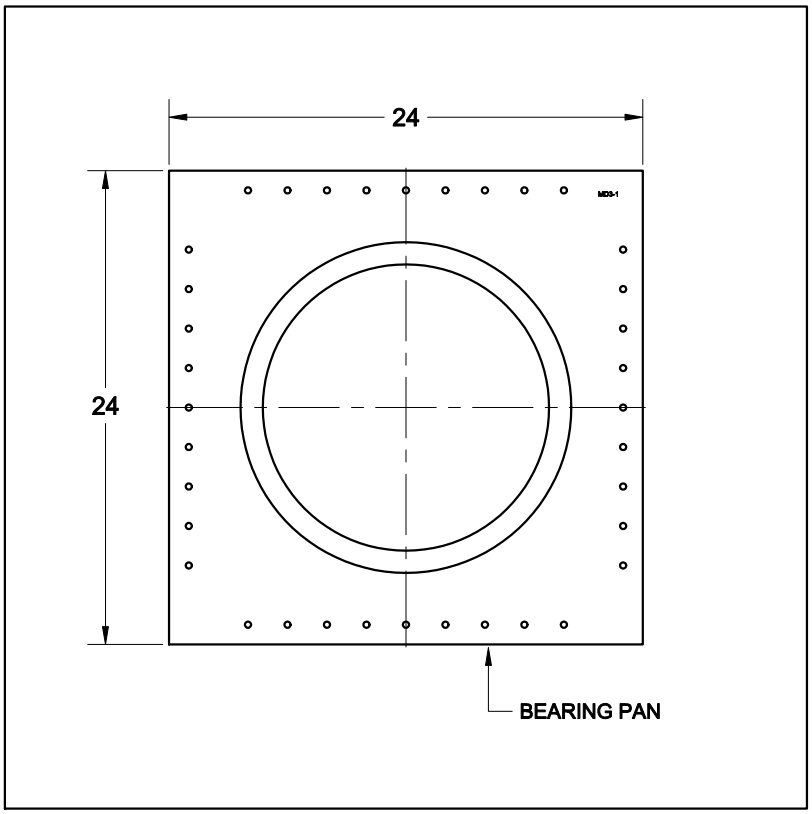
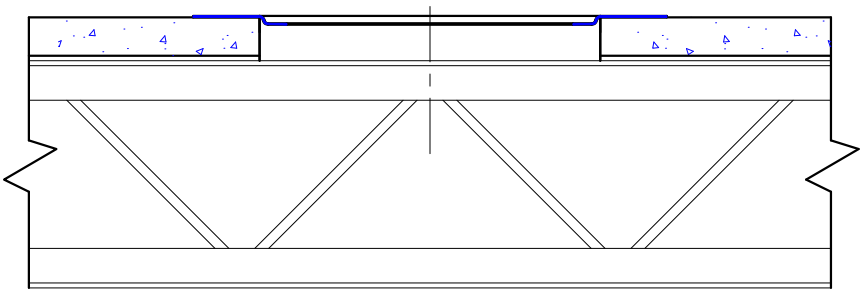
Tyler Pipe / Wade Division * P.O. Box 2027 * Tyler, TX 75710-2027 * (903)882-5511 * FAX (888)879-9233

LARGE ROOF DRAIN

3000

CAST IRON ROOF DRAIN WITH CLAMPING COLLAR INTEGRAL WITH GRAVEL STOP, MUSHROOM DOME AND BOTTOM OUTLET



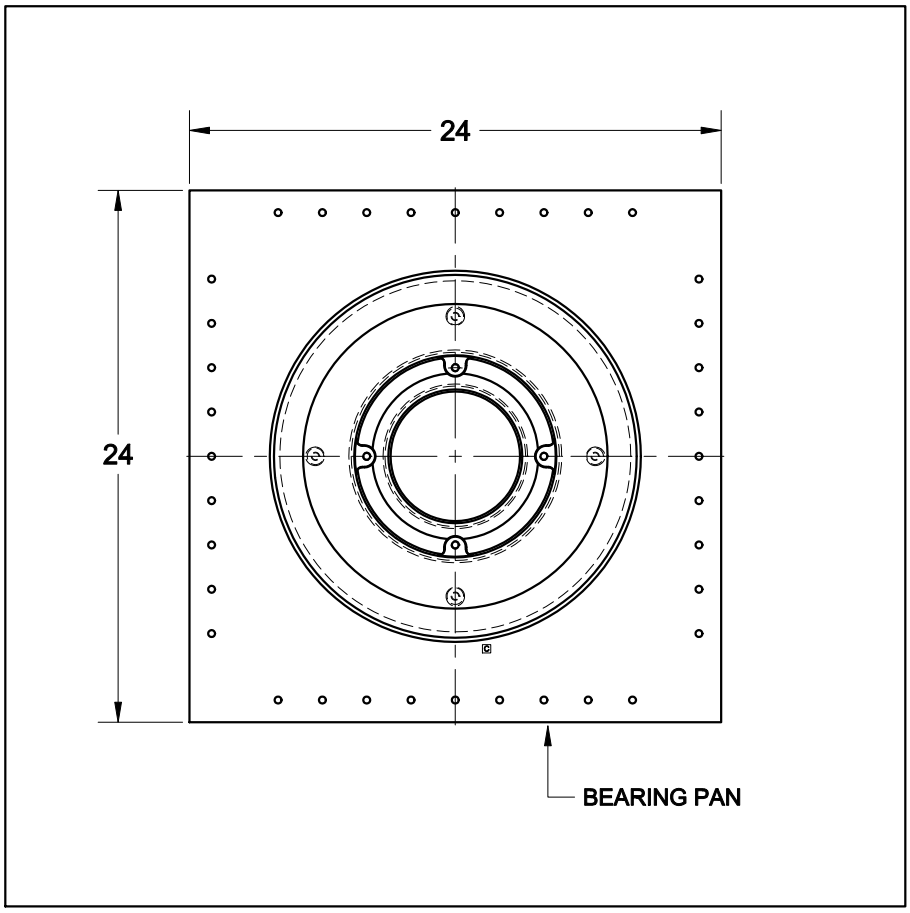


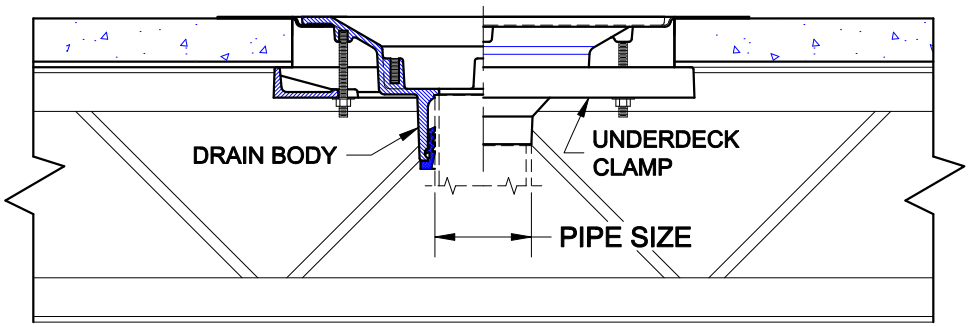
6. INSTALL THE BEARING PAN (SUMP RECEIVER)INTO DECK OPENING.
7. THE BEARING PAN HAS PERIMETER HOLES FOR SECURING TO THE DECK (IF DESIRED)

LARGE ROOF DRAIN

3000

CAST IRON ROOF DRAIN WITH CLAMPING COLLAR INTEGRAL WITH GRAVEL STOP, MUSHROOM DOME AND BOTTOM OUTLET





8. INSTALL DRAIN BODY INTO BEARING PAN RECESS.
9. FROM UNDERSIDE, INSTALL UNDER DECK CLAMPS AND TIGHTEN SECURELY.
10. INSTALLATION OF PIPE MAY THEN PROCEED.

LARGE ROOF DRAIN

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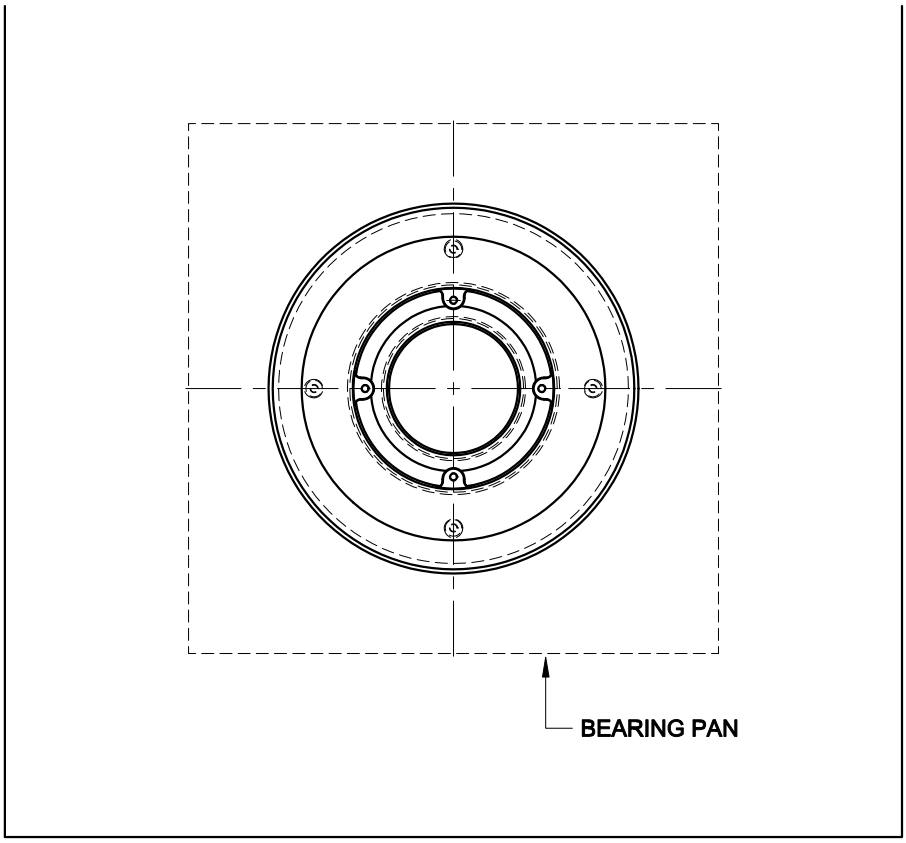

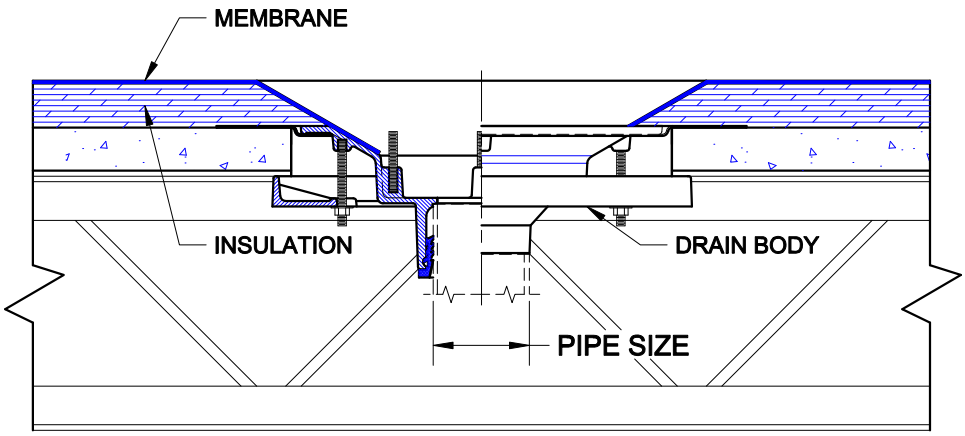

11. FROM THE ROOF SIDE, THE INSULATION CAN BE INSTALLED. THE INSULATION SHOULD BE TAPERD TO THE ROOF DRAIN A MINIMUM OF 4" FROM THE EDGE OF THE DRAIN.

12. APPLY MEMBRANE PER MANUFACTURERS INSTRUCTIONS. CUT OPENING IN A CIRCULAR PATTERN. NOTCH AROUND THREADED STUDS (IF REQUIRED)

13. MEMBRANE MUST LAY FLAT AND CONTOUR THE OPENING.

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LARGE ROOF DRAIN

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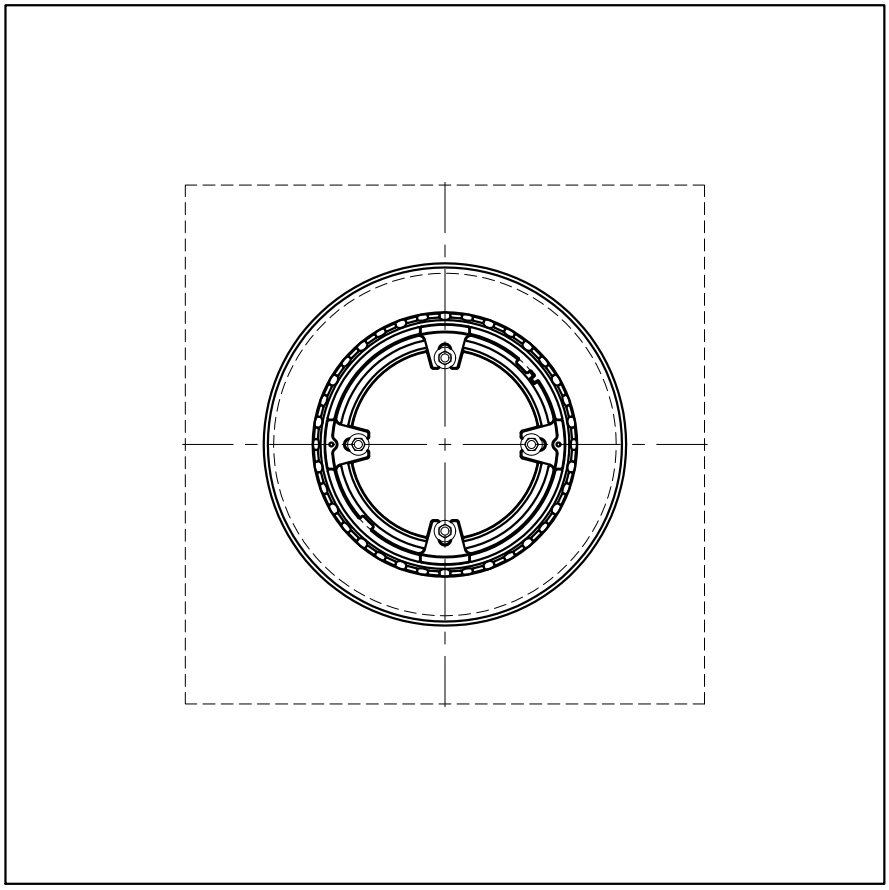

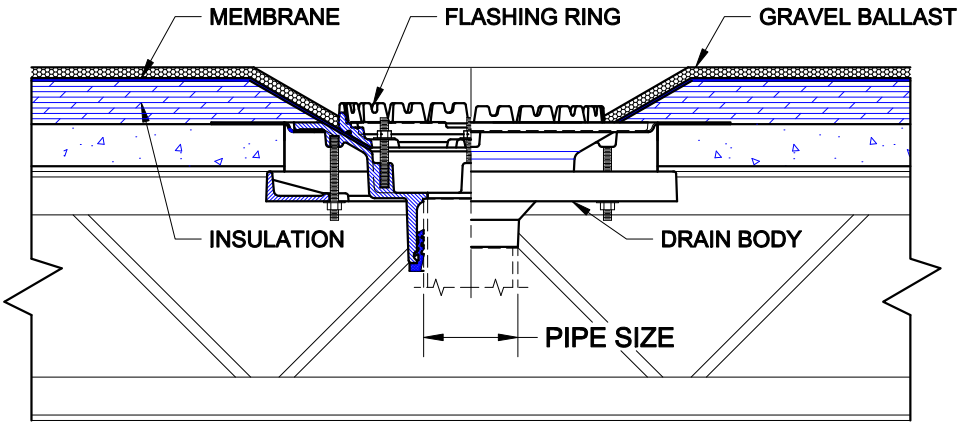

14. INSTALL THE FLASHING RING WITH THE HARDWARE PROVIDED. INSURE THAT THE NUTS ARE TIGHT.

LARGE ROOF DRAIN

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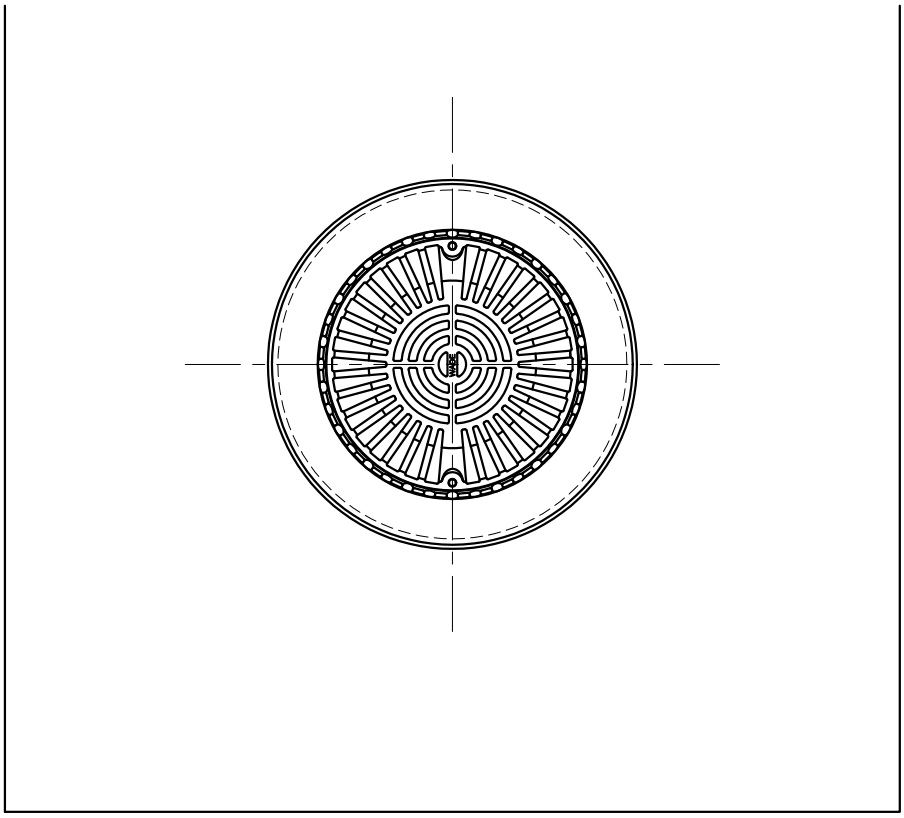

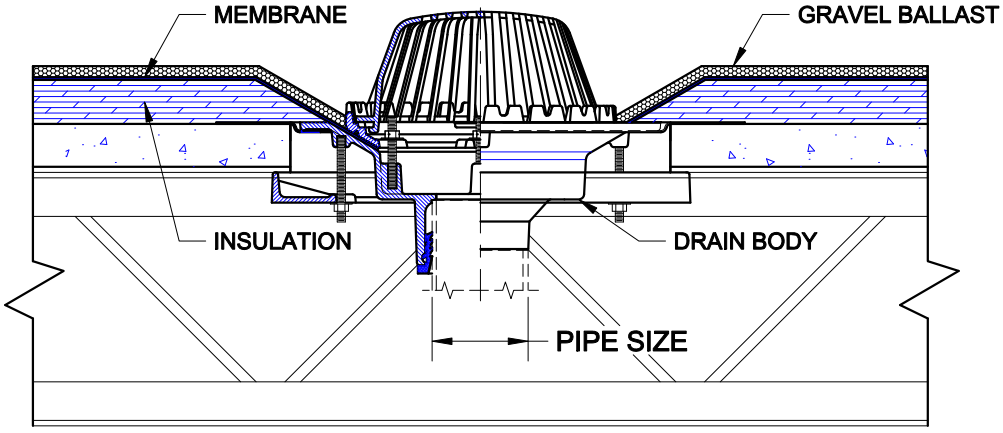

17. INSTALL DOME