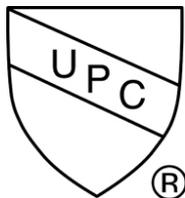


# IAPMO RESEARCH AND TESTING, INC.

5001 E. Philadelphia Street, Ontario, CA 91761-2816 • (909) 472-4100 • Fax (909) 472-4244 • www.iapmort.org



## IAPMO R&T Product Listing



This IAPMO R&T Listing is current as of 2/14/2020

Product: Roof Drains

File No. 9393

Issued To: JOSAM COMPANY  
P.O. BOX T  
MICHIGAN CITY, IN 46360

Identification: Manufacturer's name or trademark, model number and UPC® certification mark.

Characteristics: Drain systems used to join the roof membrane to the rainwater piping within a building. The systems are intended to compensate for most vertical and lateral piping and deck movement. Roof drains consisting of a dome and a drain body. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following code(s):

Uniform Plumbing Code (UPC®)

Products are in compliance with the following standard(s):

ASME A112.6.4-2003(R12)

### MODELS:

Series No.	Description
21500	Large sump

Note: Last "0" digit identifies outlet size 2-6

Suffix Options:

X : Inside Caulk

Y: Hub Outlet W/Gasket

Z: No-Hub Spigot

T: Threaded

AE: Threaded LEVELEZE Adjustable Extension

AER: Adjustable Extension using Threaded Rod/Hdwe

IRMA: Perforated Stainless Steel Extension

CR: Clamping Drain Receiver (Min Deck Opening 16" Diameter)

1: Deck Clamp Assembly

1C: Drain Receiver Clips (Min Deck Opening 16" Diameter)

2: Drain Receiver

3: Deck Clamp Assembly & Drain Receiver

3C: Drain Receiver and Drain Receiver Clips  
4: Secondary Flashing Clamp (use with -AE only)  
6: Extra Wide Flange Drain Body, 2"-6" -X Outlet Only  
10: Fixed Ext Collar, CI (specify Ht 4" Standard.)  
10-20: Fixed Exn Collar, Galv. (specify Ht 4" Standard.)  
16: Internal Waterguard 2"-6" Outlets Only  
16Galv: Internal Waterguard Galvanized steel 2"-6" Outlets Only  
17: 2 Inch High Solid Clamping Collar  
19: Clamp Collar w/SS Perf Gravel Guard  
20: Galvanized Cast Iron Parts  
21: Galvanized Cast Iron Dome Only  
22: Cast Iron Dome/Grate  
23: Rough Bronze Dome  
26: Aluminum Dome  
33: S.S. Mesh Screen Covered Dome  
66: No-Hub Side Outlet  
VP: Vandal-Proof Dome

**21500-RDG/ORDG Large sump, green roof drain**

Note: Last "0" digit identifies outlet size 2-6

Suffix Options:

X : Inside Caulk

Y: Hub Outlet W/Gasket

Z: No-Hub Spigot

T: Threaded

AE: Threaded LEVELEZE Adjustable Extension

AER: Adjustable Extention using Threaded Rod/Hdwe

PC: Perforated Cover

1: Deck Clamp Assembly

2: Drain Receiver

3: Deck Clamp Assembly & Drain Receiver

3C: Drain Receiver and Drain Receiver Clips

4: Secondary Flashing Clamp (use with -AE only)

6: Extra Wide Flange Drain Body, 2"-6" -X Outlet Only

10: Fixed Ext Collar, CI (specify Ht 4" Standard.)

10-20: Fixed Exn Collar, Galv. (specify Ht 4" Standard.)

20: Galvanized Cast Iron Parts

33: S.S. Mesh Screen Covered Dome

66: No-Hub Side Outlet

VP: Vandal-Proof Dome

**21500-SS Large sump, stainless steel**

Note: Last "0" digit identifies outlet size 2-6

Suffix Options:

- 1: Deck Clamp Assembly
- 2: Drain Receiver
- 35: Flat Grate (**for sizes up to 3" )**
- VP: Vandal-Proof Dome
- 316: Type 316L Material

**22010 Medium sump**

Note: Last "0" digit identifies outlet size 2-5

Suffix Options:

- X : Inside Caulk
- Z: No-Hub Spigot
- T: Threaded
- 1: Deck Clamp Assembly
- 1C: Drain Receiver Clips (Min Deck Opening 16" Diameter)
- 2: Drain Receiver
- 3: Deck Clamp Assembly & Drain Receiver
- 3C: Drain Receiver and Drain Receiver Clips
- 10: Fixed Ext Collar, CI (specify Ht 4" Standard.)
- 10-20: Fixed Exn Collar, Galv. (specify Ht 4" Standard.)
- 17: 2 Inch High Solid Clamping Collar
- 19: Clamp Collar w/SS Perf Gravel Guard
- 20: Galvanized Cast Iron Parts
- 23: Rough Bronze Dome
- 66: No-Hub Side Outlet
- VP: Vandal-Proof Dome

**22080 Small sump**

Note: Last "0" digit identifies outlet size 2-4

Suffix Options:

- X : Inside Caulk
- Y: Hub Outlet W/Gasket
- Z: No-Hub Spigot
- T: Threaded
- 1: Deck Clamp Assembly
- 1C: Drain Receiver Clips (Min Deck Opening 16" Diameter)
- 2: Drain Receiver
- 3: Deck Clamp Assembly & Drain Receiver
- 3C: Drain Receiver and Drain Receiver Clips
- 10: Fixed Ext Collar, CI (specify Ht 4" Standard.)
- 10-20: Fixed Exn Collar, Galv. (specify Ht 4" Standard.)
- 17: 2 Inch High Solid Clamping Collar
- 20: Galvanized Cast Iron Parts
- 21: Galvanized Cast Iron Dome Only
- 23: Rough Bronze Dome
- 33: S.S. Mesh Screen Covered Dome
- TSO: Threaded Side Outlet
- VP: Vandal-Proof Dome

**22100 Combination, small sump**

Note: Last "0" digit identifies outlet size 2-4

Suffix Options:

- IRMA: Perforated Stainless Steel Extention

- 1: Deck Clamp Assembly
- 10: Fixed Ext Collar, CI (specify Ht 4" Standard.)
- 19: Clamp Collar w/SS Perf Gravel Guard
- 20: Galvanized Cast Iron Parts
- 21: Galvanized Cast Iron Dome Only
- 23: Rough Bronze Dome
- 33: S.S. Mesh Screen Covered Dome
- VP: Vandal-Proof Dome

**22200                    Combination, medium sump**

Note: Last "0" digit identifies outlet size 2-5

Suffix Options:

X : Inside Caulk

Z: No-Hub Spigot

T: Threaded

IRMA: Perforated Stainless Steel Extention

- 10: Fixed Ext Collar, CI (specify Ht 4" Standard.)
- 19: Clamp Collar w/SS Perf Gravel Guard
- 20: Galvanized Cast Iron Parts
- 23: Rough Bronze Dome
- 33: S.S. Mesh Screen Covered Dome
- VP: Vandal-Proof Dome

**22500                    Combination, large sump**

Note: Last "0" digit identifies outlet size 2-6

Suffix Options:

X : Inside Caulk

Y: Hub Outlet W/Gasket

Z: No-Hub Spigot

T: Threaded

IRMA: Perforated Stainless Steel Extention

- 10: Fixed Ext Collar, CI (specify Ht 4" Standard.)
- 19: Clamp Collar w/SS Perf Gravel Guard
- 20: Galvanized Cast Iron Parts
- 21: Galvanized Cast Iron Dome Only
- 22: Cast Iron Dome/Grate
- 23: Rough Bronze Dome

26: Aluminum Dome

33: S.S. Mesh Screen Covered Dome

SC: Solid Top Cover on Overflow Dome

VP: Vandal-Proof Dome

**23500 Promenade, large sump**

Note: Last "0" digit identifies outlet size 2-4

Suffix Options:

X : Inside Caulk

Y: Hub Outlet W/Gasket

Z: No-Hub Spigot

T: Threaded

AE: Threaded LEVELEZE Adjustable Extension

IRMA: Preforated Stainless Steel Extention

CR: Clamping Drain Receiver (Min Deck Opening 16" Diameter)

PG: Parking Grate-110 SQ In F.A. (Ductile Iron Only)

1: Deck Clamp Assembly

1C: Drain Receiver Clips (Min Deck Opening 16" Diameter)

2: Drain Receiver

3: Deck Clamp Assembly & Drain Receiver

3C: Drain Receiver and Drain Receiver Clips

4: Secondary Flashing Clamp (use with -AE only)

6: Extra Wide Flange Drain Body, 2"-6" -X Outlet Only

10: Fixed Ext Collar, CI (specify Ht 4" Standard.)

10-20: Fixed Exn Collar, Galv. (specify Ht 4" Standard.)

18: Extra Deep Sump

20: Galvanized Cast Iron Parts

21: Galvanized Cast Iron Dome Only

22: Cast Iron Dome/Grate

23: Rough Bronze Dome

26: Aluminum Dome

33: S.S. Mesh Screen Covered Dome

36: Ductile Iron Grate

37-50: HVY-Duty Ductile Undergrate Laminated Top Nikaloy

37-51: HVY-Duty Ductile Undergrate Laminated Top Bronze

50: Cast Iron Undergrate Laminated Top Nikaloy

51: Cast Iron Ductile Undergrate Laminated Top Bronze

66: No-Hub Side Outlet

VP: Vandal-Proof Dome

**23510 Large sump, parking grate**

Note: Last "0" digit identifies outlet size 2-3

Suffix Options:

X : Inside Caulk

Y: Hub Outlet W/Gasket

Z: No-Hub Spigot

T: Threaded

CR: Clamping Drain Receiver (Min Deck Opening 16" Diameter)

1: Deck Clamp Assembly

1C: Drain Receiver Clips (Min Deck Opening 16" Diameter)

2: Drain Receiver

3: Deck Clamp Assembly & Drain Receiver

3C: Drain Receiver and Drain Receiver Clips  
10: Fixed Ext Collar, CI (specify Ht 4" Standard.)  
10-20: Fixed Exn Collar, Galv. (specify Ht 4" Standard.)  
20: Galvanized Cast Iron Parts  
36: Ductile Iron Grate  
50: Cast Iron Undergrate Laminated Top Nikaloy  
51: Cast Iron Ductile Undergrate Laminated Top Bronze  
VP: Vandal-Proof Dome

**23710 Promenade, medium sump**

Note: Last "0" digit identifies outlet size 2-3

Suffix Options:

X : Inside Caulk  
Z: No-Hub Spigot  
T: Threaded  
1: Deck Clamp Assembly  
1C: Drain Receiver Clips (Min Deck Opening 16" Diameter)  
2: Drain Receiver  
3: Deck Clamp Assembly & Drain Receiver  
3C: Drain Receiver and Drain Receiver Clips  
12: Ext Flasing Collar, CI (specify Ht)  
20: Galvanized Cast Iron Parts  
50: Cast Iron Undergrate Laminated Top Nikaloy  
66: No-Hub Side Outlet  
51: Cast Iron Ductile Undergrate Laminated Top Bronze  
VP: Vandal-Proof Dome

**23730 Promenade, small sump**

Note: Last "0" digit identifies outlet size 2

Suffix Options:

X : Inside Caulk  
Y: Hub Outlet W/Gasket  
Z: No-Hub Spigot  
T: Threaded  
1: Deck Clamp Assembly  
1C: Drain Receiver Clips (Min Deck Opening 16" Diameter)  
2: Drain Receiver  
3: Deck Clamp Assembly & Drain Receiver  
3C: Drain Receiver and Drain Receiver Clips  
12: Ext Flasing Collar, CI (specify Ht)  
12-20: Ext Flasing Collar, Galv (specify Ht)  
20: Galvanized Cast Iron Parts  
50: Cast Iron Undergrate Laminated Top Nikaloy  
50TP: Primer Tap  
51: Cast Iron Ductile Undergrate Laminated Top Bronze  
81: Bucket  
VP: Vandal-Proof Dome  
TSO: Threaded Side Outlet

**23740 Promenade, small sump, heavy-duty**

Note: Last "0" digit identifies outlet size 2

Suffix Options:

X : Inside Caulk  
Y: Hub Outlet W/Gasket

Z: No-Hub Spigot  
T: Threaded  
1: Deck Clamp Assembly  
1C: Drain Receiver Clips (Min Deck Opening 16" Diameter)  
2: Drain Receiver  
3: Deck Clamp Assembly & Drain Receiver  
3C: Drain Receiver and Drain Receiver Clips  
12: Ext Flashing Collar, CI (specify Ht)  
20: Galvanized Cast Iron Parts  
51: Cast Iron Ductile Undergrate Laminated Top Bronze  
VP: Vandal-Proof Dome  
TSO: Threaded Side Outlet

**24020                    Composition deck, medium sump**

Note: Last "0" digit identifies outlet size 2-3

Suffix Options:

X : Inside Caulk  
1: Deck Clamp Assembly  
20: Galvanized Cast Iron Parts  
29: Sediment Bucket Cast Iron  
20-29: Sediment Bucket Galvanized  
31 Chain Anchored Grate  
38: Less Grate  
36: Ductile Iron Grate  
50: Cast Iron Undergrate Laminated Top Nikaloy  
51: Cast Iron Ductile Undergrate Laminated Top Bronze  
HP: Heel-Proof Grate, CI, 5/16" Slot Width 25 SQ. IN Free Area  
VP: Vandal-Proof Dome

**24030                    Composition deck, large sump**

Note: Last "0" digit identifies outlet size 2-4

Suffix Options:

X : Inside Caulk  
1: Deck Clamp Assembly  
20: Galvanized Cast Iron Parts  
29: Sediment Bucket Cast Iron  
29-20: Sediment Bucet Galvanized  
31 Chain Anchored Grate  
36: Ductile Iron Grate  
50: Cast Iron Undergrate Laminated Top Nikaloy  
51: Cast Iron Ductile Undergrate Laminated Top Bronze  
HP: Heel-Proof Grate, CI, 5/16" Slot Width 25 SQ. IN Free Area  
VP: Vandal-Proof Dome

**24040                    Composition deck, medium sump**

Note: Last "0" digit identifies outlet size 2-3

Suffix Options:

X : Inside Caulk  
1: Deck Clamp Assembly  
20: Galvanized Cast Iron Parts  
29: Sediment Bucket Cast Iron  
29-20: Sediment Bucet Galvanized  
31 Chain Anchored Grate  
38: Less Grate  
36: Ductile Iron Grate

50: Cast Iron Undergrate Laminated Top Nikaloy  
51: Cast Iron Ductile Undergrate Laminated Top Bronze  
VP: Vandal-Proof Dome

**24050 Garage drain, large sump**

Note: Last "0" digit identifies outlet size 2-4

Suffix Options:

X : Inside Caulk  
1: Deck Clamp Assembly  
12: Ext Flasing Collar, CI (specify Ht)  
20: Galvanized Cast Iron Parts  
29: Sediment Bucket Cast Iron  
29-20: Sediment Bucet Galvanized  
31 Chain Anchored Grate  
36: Ductile Iron Grate  
50: Cast Iron Undergrate Laminated Top Nikaloy  
51: Cast Iron Ductile Undergrate Laminated Top Bronze  
VP: Vandal-Proof Dome

**24060 Composition deck, large sump**

Note: Last "0" digit identifies outlet size 2-4

Suffix Options:

X : Inside Caulk  
1: Deck Clamp Assembly  
20: Galvanized Cast Iron Parts  
29: Sediment Bucket Cast Iron  
29-20: Sediment Bucet Galvanized  
31 Chain Anchored Grate  
50: Cast Iron Undergrate Laminated Top Nikaloy  
51: Cast Iron Ductile Undergrate Laminated Top Bronze  
VP: Vandal-Proof Dome

**24200 Promenade with flange, large sump**

Note: Last "0" digit identifies outlet size 2-3

Suffix Options:

1: Deck Clamp Assembly  
20: Galvanized Cast Iron Parts  
50: Cast Iron Undergrate Laminated Top Nikaloy  
51: Cast Iron Ductile Undergrate Laminated Top Bronze  
60: Square top

**24700 Parapet type, sloped grate**

Note: Last "0" digit identifies outlet size 2

Suffix Options:

20: Galvanized Cast Iron Parts  
22: Cast Iron Dome/Grate  
24: Rough Nikaloy Grate  
45: Body With 45 deg Thread Outlet  
50: Cast Iron Undergrate Laminated Top Nikaloy  
51: Cast Iron Ductile Undergrate Laminated Top Bronze

61: Downspout Elbow (Cast Iron)

61-20: Downspout Elbow (Galvanized)

**24720 Parapet type, angled grate**

Note: Last "0" digit identifies outlet size 2-3

Suffix Options:

20: Galvanized Cast Iron Parts

23: Rough Bronze

24: Rough Nikaloy Grate

45: Body With 45 deg Thread Outlet

50: Cast Iron Undergrate Laminated Top Nikaloy

51: Cast Iron Ductile Undergrate Laminated Top Bronze

61: Downspout Elbow (Cast Iron)

61-20: Downspout Elbow (Galvanized)

VP: Vandal-Proof Dome

**24900 Parapet type, dome**

Note: Last "0" digit identifies outlet size 2-4

Suffix Options:

20: Galvanized Cast Iron Parts

24: Rough Nikaloy Grate

50: Cast Iron Undergrate Laminated Top Nikaloy

51: Cast Iron Ductile Undergrate Laminated Top Bronze

61: Downspout Elbow (Cast Iron)

61-20: Downspout Elbow (Galvanized)

VP: Vandal-Proof Dome

**25500 Large sump, Flo-Septor**

Note: Last "0" digit identifies outlet size 2-3

Suffix Options:

X : Inside Caulk

Y: Hub Outlet W/Gasket

Z: No-Hub Spigot

T: Threaded

CR: Clamping Drain Receiver (Min Deck Opening 16" Diameter)

1: Deck Clamp Assembly

2: Drain Receiver

3: Deck Clamp Assembly & Drain Receiver

20: Galvanized Cast Iron Parts

66: No-Hub Side Outlet

**25520 Medium sump, Flo-Septor**

Note: Last "0" digit identifies outlet size 2-3

Suffix Options:

X : Inside Caulk

Z: No-Hub Spigot

T: Threaded

1: Deck Clamp Assembly

2: Drain Receiver

3: Deck Clamp Assembly & Drain Receiver

20: Galvanized Cast Iron Parts

66: No-Hub Side Outlet

**26200            Expansion joint**

Note: Last "0" digit identifies outlet size 2-6

Suffix Options:

20: Galvanized Cast Iron Parts

BR: Brass Sleeve

**28600            Controlled flow, large sump**

Note: Last "0" digit identifies outlet size 2-6

Suffix Options:

X : Inside Caulk

Y: Hub Outlet W/Gasket

Z: No-Hub Spigot

T: Threaded

AE: Threaded LEVELEZE Adjustable Extension

CR: Clamping Drain Receiver (Min Deck Opening 16" Diameter)

1: Deck Clamp Assembly

2: Drain Receiver

3: Deck Clamp Assembly & Drain Receiver

4: Secondary Flashing Clamp (use with -AE only)

10: Fixed Ext Collar, CI (specify Ht 4" Standard.)

10-20: Fixed Exn Collar, Galv. (specify Ht 4" Standard.)

20: Galvanized Cast Iron Parts

23: Rough Bronze Dome

33: S.S. Mesh Screen Covered Dome

66: No-Hub Side Outlet

VP: Vandal-Proof Dome

**RD-700            Universal clamp ring and dome**

Suffix Options:

CD: Cast Iron Dome

AD: Aluminum Dome

VP: Vandal-Proof Dome

**24500-27        Sill Type With Tall Dome**

Note: Last "0" digit identifies outlet size 2

Suffix Options:

20: Galvanized Cast Iron Parts

24: Rough Nikaloy Dome  
33: S.S. Mesh Screen Covered Dome  
45: Body with 45 deg. Thread outlet  
90: Body with 90 deg. Thread outlet  
VP: Vandal-Proof Dome

**25540-27 Flo-Septor Small Sump (Tall Dome)**

Note: Last "0" digit identifies outlet size 2

Suffix Options:

1: Deck Clamp Assembly  
2: Drain Receiver  
3: Deck Clamp Assembly & Drain Receiver  
20: Galvanized Cast Iron Parts)  
X : Inside Caulk  
Y: Hub Outlet W/Gasket  
Z: No-Hub Spigot  
T: Threaded  
TSO: Threaded side outlet

**RD-400 Combination drain**

1: Deck Clamp Assembly  
  
21: Galvanized Cast Iron Dome Only  
  
28: Cast Iron Dome for Overflow Drain  
  
VP: Vandal-Proof Dome

**25000 Parapet scupper sleeve**

Note: Last "0" digit identifies Pipe Thickness:

1= 9", 2= 13", 3= 17" and 4 = 21"

Suffix Options:

20: Galvanized Cast Iron Parts

**25010 Downspout nozzle**

Note: Last "0" digit identifies Pipe Size 2-6

Suffix Options:

Z: No-Hub Spigot  
24: Rough Nikaloy Grate  
51: Cast Iron Ductile Undergrate Laminated Top Bronze  
BS: Bird Screen  
PVC: Connects to PVC Pipe

This IAPMO R&T Listing is current as of 2/14/2020