

DATE: December 3, 2015

TO:

CS Advantage
Diversifield Roofing
PRC Roofing
Atlas Universal
Atlas Universal
Sea Breeze Roofing
Grassroot C&M

Oscar Galvan
Brian Watkins
Andrew Delgado
Francisco Ruvalcaba
Mike Schoeneman
Donnis Hammond
Rendy Arnold

o_ggalvan@hotmail.com
timcerminar@diverifiedroofing.com
adelgado@prcroofing.com
frank@atlasuniversal.com
mikes@atlasuniversal.com
sbri@seabreezerroofing.com
romdy@grassroots.com

C: Arturo Lopez
Jennifer Chiu
John Robertson
Kerry Doucette

Houston Community College
Houston Community College
Houston Community College
Houston Community College

arturo.lopez@hccs.edu
hua.chiu@hccs.edu
john.robertson@hccs.edu
kerry.doucette@hccs.edu

Fred Garcia

Armko Industries

fgarcia@armko.com

FROM: Mike Perry

NO. OF PAGES: 4

**ADDENDUM NO. 1
FOR
HOUSTON COMMUNITY COLLEGE SYSTEM
IFB 16-05 HCC ADMINISTRATIOIN BUILDING EYEBROW ROOFING at 3100 MAIN**

Contractor shall incorporate the following additions, deletions and clarifications into the proposal for this project to be submitted by 2:00 P.M., TUESDAY, DECEMBER 15, 2015, ATTN: Mr. Arturo Lopez, Senior Buyer for Houston Community College System, 3100 Main, Houston Texas, 77002. Contractor shall acknowledge receipt and consideration of this Addendum No. 1 on the Proposal Form.

The addendum serves to clarify, revise, and supersede information in the Project Manual, the Drawings, and previously issued Addenda.

The following additions, deletions and clarifications shall be made part of the plans and specifications for this project:

1. IFB 16-05 3100 Eyebrow Reroofing, Page 5 of 34, Section 2, Item 3 Total Cost, 001:
States: Remove and properly dispose of the existing ballasted EPDM roof system to the existing substrate. This is not applicable to this project. Delete.
2. Contractor to furnish and install new clad coated retrofit drains to all existing drain bowls.
3. All piping that is not setting on an existing support shall have new neoprene base supports installed.
4. Contractor is to provide external access ladder/scaffolding for workers in lieu of utilizing window access in the facility.
5. All permits are the responsibility of the bidder/contractor
6. MEASUREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

Attachments: HD PVC Retrofit Drain Data Sheet (2 pages)
Sign In Sheet (1 page)

END

Heavy Duty PVC Coated RetroDrain

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

The one-piece spun aluminum body has a plastisol coated flange for direct hot air welding of Membrane PVC roof membranes. The drain flange has a depressed sump area to facilitate the easy drainage of all water from the roof surface. The drain is equipped with a heavy duty cast aluminum strainer dome for strength and durability. The Heavy Duty PVC Coated RetroDrain incorporates U-Flow® Seal technology for a watertight mechanical connection to PVC or cast iron pipes. Available in 3-in., 4-in., 5-in. and 6-in. sizes.

FEATURES & BENEFITS

- One-piece seamless body manufactured from 0.125-in., 11 gauge spun aluminum.
- Extra large 17½-in., plastisol coated flange.
- Sump area.
- Flange has welded metal clips for dome attachment.
- 12-in. long drain stem.
- Incorporates U-Flow Seal technology for a secure, watertight connection.
- Simple and easy to install.

APPLICATION

RetroDrains are designed to replace existing drains in reroofing applications. Installed from the roof surface, RetroDrains are engineered to be installed without removing the existing plumbing or fixture while providing a watertight connection to the roof system and the existing plumbing.

APPROVALS & STANDARDS



ANSI/SPRI RD-1 is a national performance standard for retrofit roof drains. While most retrofit drains are not tested to this standard, Flex Insert Drains – including the Heavy Duty PVC Coated RetroDrain with U-Flow Seal – exceed the standard, which requires that the seal hold a 10-ft. column of water for 24 hours without leaking.



PHYSICAL DATA

The data below is constant for each Heavy Duty PVC Coated RetroDrain.

DRAIN BODY	SEAL
11 gauge (.125") spun aluminum	Watertight U-Flow mechanical seal requires U-Flow screwdriver
FLANGE	STRAINER DOME
17½" diameter plastisol coated with sump area	Cast aluminum
STEM	
12" length	

ORDERING INFORMATION

CAT. NO.	SIZE	DOME TYPE	PKG	DIMENSIONAL WEIGHT
8044	3"	Aluminum	Each	32 lbs.
8045	4"	Aluminum	Each	32 lbs.
8046	5"	Aluminum	Each	32 lbs.
8047	6"	Aluminum	Each	32 lbs.

Heavy Duty PVC Coated RetroDrain

INSTALLATION PROCEDURE

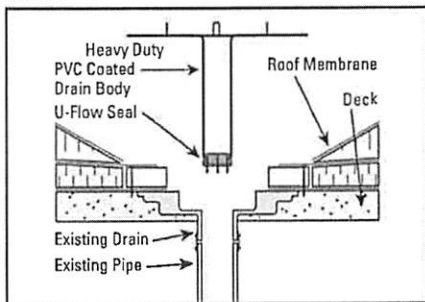
FOR USE WITH

PVC membrane roof systems.

JOB PREPARATION

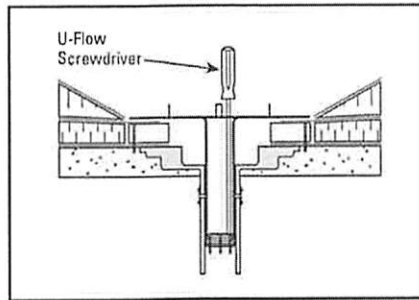
The existing leader pipe shall be cleaned of excess bitumen build-up, dirt and debris. Remove the clamping ring assembly and bolts from the existing drain and discard. If required, comply with roof manufacturer's directions for additional cleaning or detailing.

STEP 1



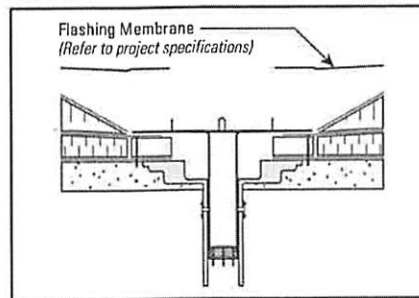
Examine the existing water leader to make sure there are no elbows that prevent the drain stem from being fully inserted into the pipe. (If an elbow is present, see "How to Shorten a Drain.") Insert U-Flow Seal into end of drain stem and tighten screws enough to hold the seal in place during installation. Insert assembled drain into existing leader pipe until flange lies flush on roof membrane.

STEP 2



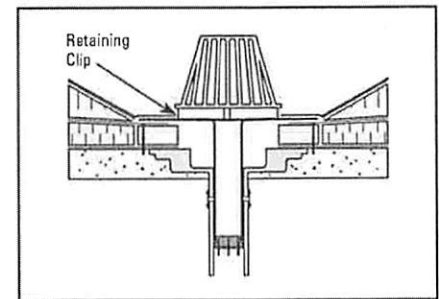
Alternately tighten seal compression ring screws with the U-Flow Screwdriver until hand tight. The Heavy Duty PVC Coated RetroDrain is correctly installed when pressure placed on the drain body results in no vertical movement. Do not overtighten screws.

STEP 3



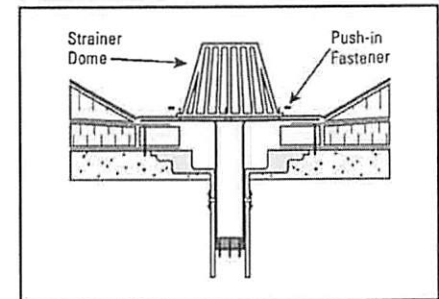
Secure the drain flange to the roof deck/nailer using a minimum of three pan-head fasteners, evenly spaced around the flange. The flashing membrane must cover and extend past the fastener head. Flashing membrane must be installed per detail. Hot air weld the flashing membrane to the drain flange and the field membrane as detailed.

STEP 4



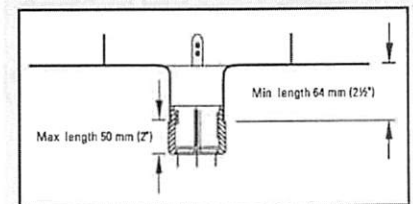
Install the strainer dome onto the retaining clips.

STEP 5



Insert nylon push-in fastener into the appropriate height hole in each of the three retaining clips.

HOW TO SHORTEN A FLEX RETROFIT DRAIN



Make sure there is at least 4-inches of clear vertical distance in the existing pipe to accommodate the drain. Cut drain stem to desired length and insert U-Flow Seal. **Note:** Leave at least 2.5-inches of the drain stem to accommodate the seal.

Insert the U-Flow Seal in the cut drain stem and tighten the seal screws. Once the drain and seal have been assembled, insert it into the existing water leader and complete the assembly following installation steps 2 thru 5.