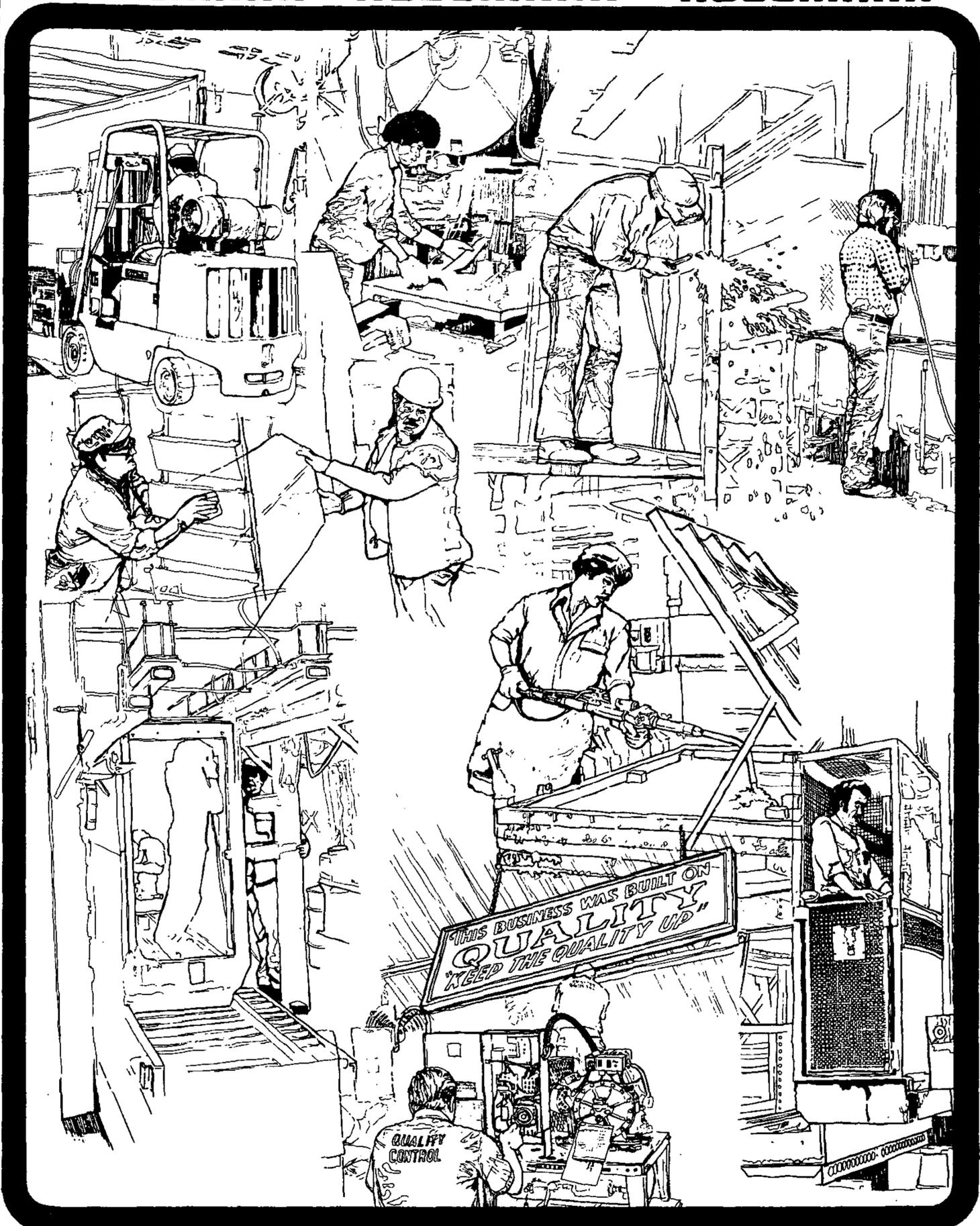


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CORPORATION

PEN

SELF-SERVICE
NON-REFRIGERATED
PRODUCE END DISPLAY

INSTALLATION / SERVICE INSTRUCTIONS

ENG. NO. 140632A
October, 1986
Supersedes 140632
Dated August, 1976
Section 4

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WARRANTY

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SECTION 1

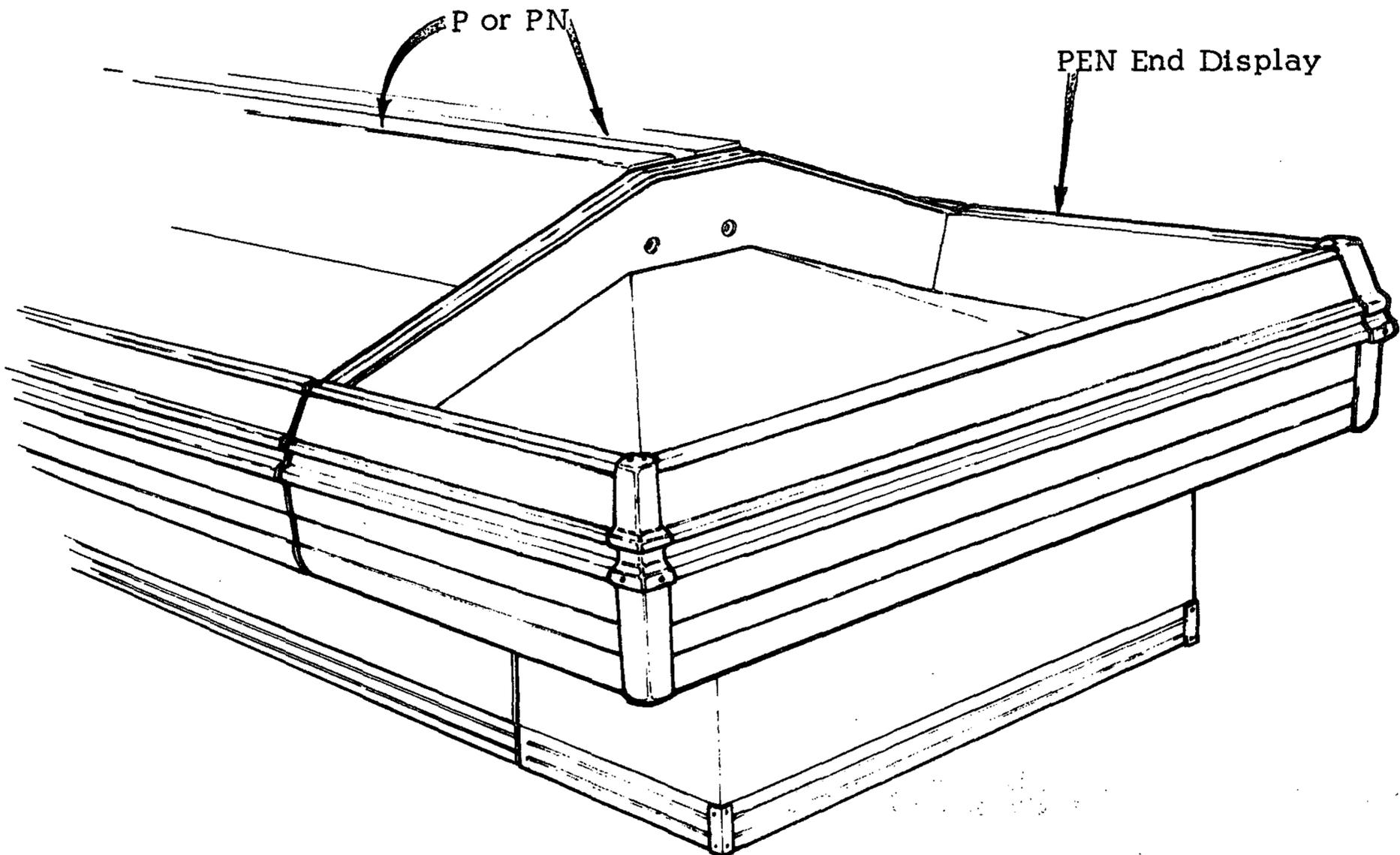
GENERAL INFORMATION

MODEL DESCRIPTION:

The Model PEN (Produce End Non-Refrigerated) is a single deck, no glass front, display fixture for non-refrigerated products.

APPLICATION:

The PEN case is designed to display fresh produce or other non-refrigerated products. It is installed at the ends of Hussmann Model "P" or "PN" series fixtures installed back-to-back, giving the effect of a mass display.



SECTION 2

INSTALLING FIXTURE

SHIPPING DAMAGE:

All equipment should be thoroughly examined for shipping damage before and when unloading.

If there is any damage, the carrier should be notified immediately and an inspection requested. The delivery receipt must be noted that equipment was received damaged. If damage is of a concealed nature we suggest the carrier be contacted immediately or no later than three (3) days following delivery. A claim must be filed with the carrier by the consignee for all damages.

SHIPPING BRACES:

WARNING: DO NOT REMOVE SHIPPING BRACES THAT HAVE BEEN PROVIDED TO PREVENT TIPPING OF THE FIXTURE UNTIL THE FIXTURE IS TO BE SECURED IN POSITION. BRACES MUST BE INSTALLED AT ALL TIMES WHEN THE FIXTURE IS NOT SUPPORTED BY OTHER FIXTURES. THE PEN IS TOP HEAVY AND CAN BE TIPPED OVER CAUSING PERSONAL INJURY.

Move the fixture as close as possible to its permanent location, then remove all packaging and shipping braces, and join to the appropriate fixtures with the fasteners provided.

WASTE OUTLET:

The Waste Outlet is located at the center front of the fixture interior. A 1-inch nominal pipe nipple (17½" long) is provided with the fixture. Additional drip piping is by others. The lower rear side of the fixture is open for routing the drip piping either to the rear of the fixture, or directly below the fixture.

INSTALLING:

To join the PEN fixture to the open end of two Model "P" or "PN" Produce Cases that are back-to-back and are of the same model, remove the following parts, shipped in the fixture, and install as follows:

<u>ITEM</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
1.	2	$\frac{1}{2}$ "x $\frac{1}{2}$ "x180" End Gasket
2.	10	Leveling Wedges
3.	1	1" NPT x 17 $\frac{1}{2}$ " Pipe Nipple
4.	1	Front Panel Joint Trim
5.	1	Rubrail Joint Trim
6.	1	Splashguard
7.	1	L.H. End Splashguard
8.	1	R.H. End Splashguard
9.	2	Splashguard Corner Cover
10.	6	5/16"-18x1 $\frac{1}{4}$ " Cap Screws
11.	8	5/16" Flat Washers
12.	2	5/16-18 Hex Nuts
13.	16	#8x $\frac{1}{2}$ " Tr. Hd. Sheet Metal Screws

STEP 1. Apply the $\frac{1}{2}$ "x $\frac{1}{2}$ "x180" END GASKET (Item 1) to the open end of the joining fixtures as shown.

NOTE:

- (1) GASKET MUST BE ON METAL SURFACE, $\frac{1}{4}$ " FROM EDGE.
- (2) DO NOT STRETCH GASKET AROUND CORNERS.
- (3) MAKE SPLICES, IF NECESSARY, ON VERTICAL RUNS ONLY. SPLICES MUST BE TIGHT FIT.
- (4) SEAL OFF HOLES IN JOINING CASES WITH GASKET, AS SHOWN.

STEP 2. Install 5/16"-18 Retainer Nuts (shipped as loose parts with joining fixtures) at holes indicated on joining fixture where not factory installed (see Illustration).

STEP 3. Move the PEN fixture against the open end of the joining fixture with the cases in close alignment. Remove and retain for reuse the plug buttons from the joining bolt holes on the PEN fixture (see Illustration).

STEP 4. Level the cases with LEVELING WEDGES (Item 2).

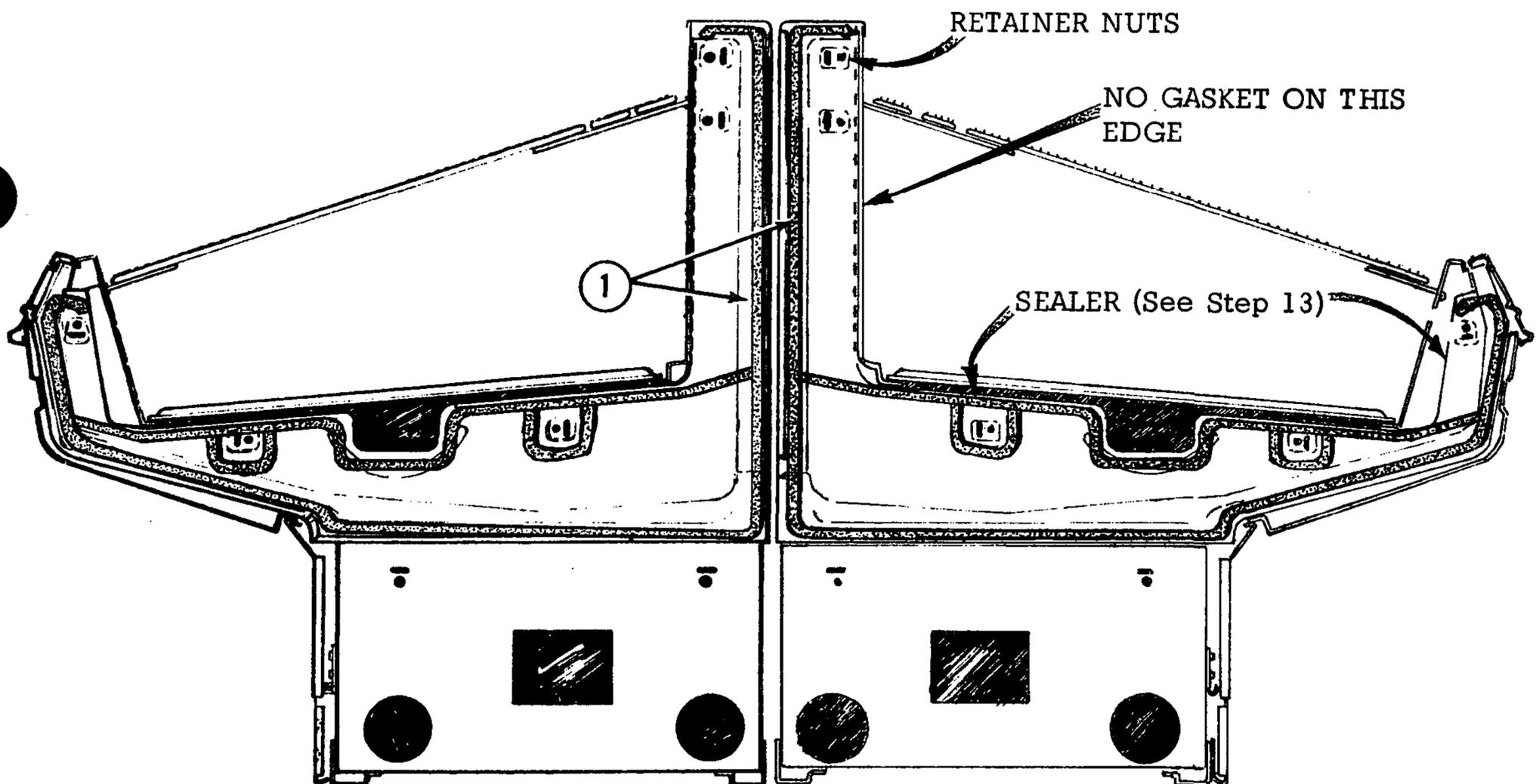
STEP 5. Remove the L.H. and R.H. Bottom Panels from the PEN fixture for access to drip pipe connections and joining bolt holes. Lift and tilt panels out at lower edge for removal (see Illustration on Page 7).

STEP 6. Attach PEN fixture to joining fixtures with 5/16"-18x1 $\frac{1}{4}$ " CAP SCREWS (Item 10) and 5/16" FLAT WASHERS (Item 11) where retainer nuts are installed on joining fixture, and 5/16"-18x1 $\frac{1}{4}$ " CAP SCREWS (Item 10), 5/16" FLAT WASHERS (Item 11), and 5/16"x18 HEX NUTS (Item 12) where shown (see Illustration). Replace PLUG BUTTONS (Step 3).

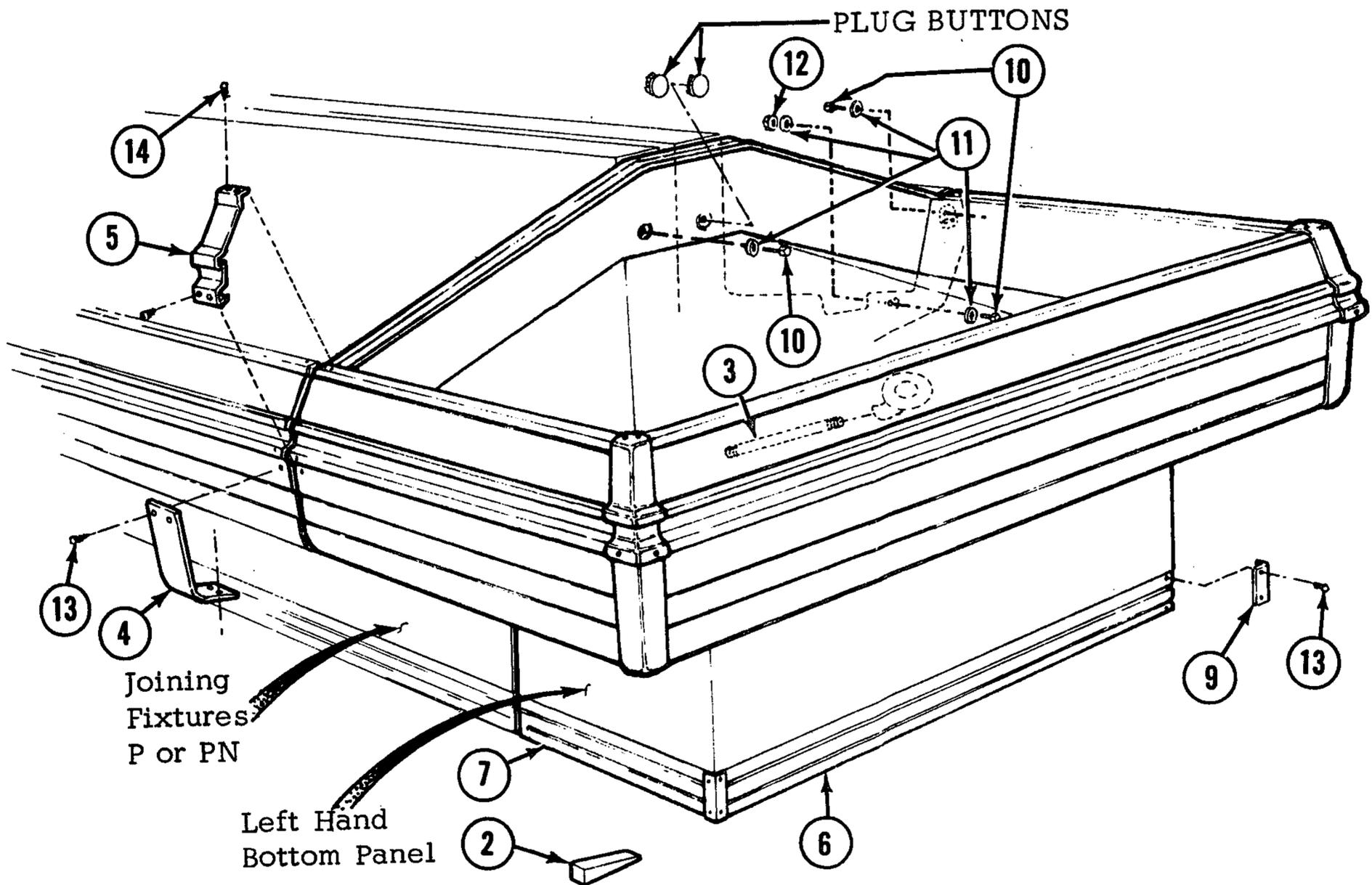
NOTE: USE FLAT WASHER UNDER HEAD OF CAP SCREW AND HEX NUT.

STEP 7. Connect PEN fixture drip piping with the 1" NPTx17 $\frac{1}{2}$ " PIPE NIPPLE (Item 3) and additional piping (not furnished with fixture) that may be necessary.

STEP 8. Replace the L.H. and R.H. Bottom Panels that were removed in Step 5.



JOINING FIXTURES
(P or PN)



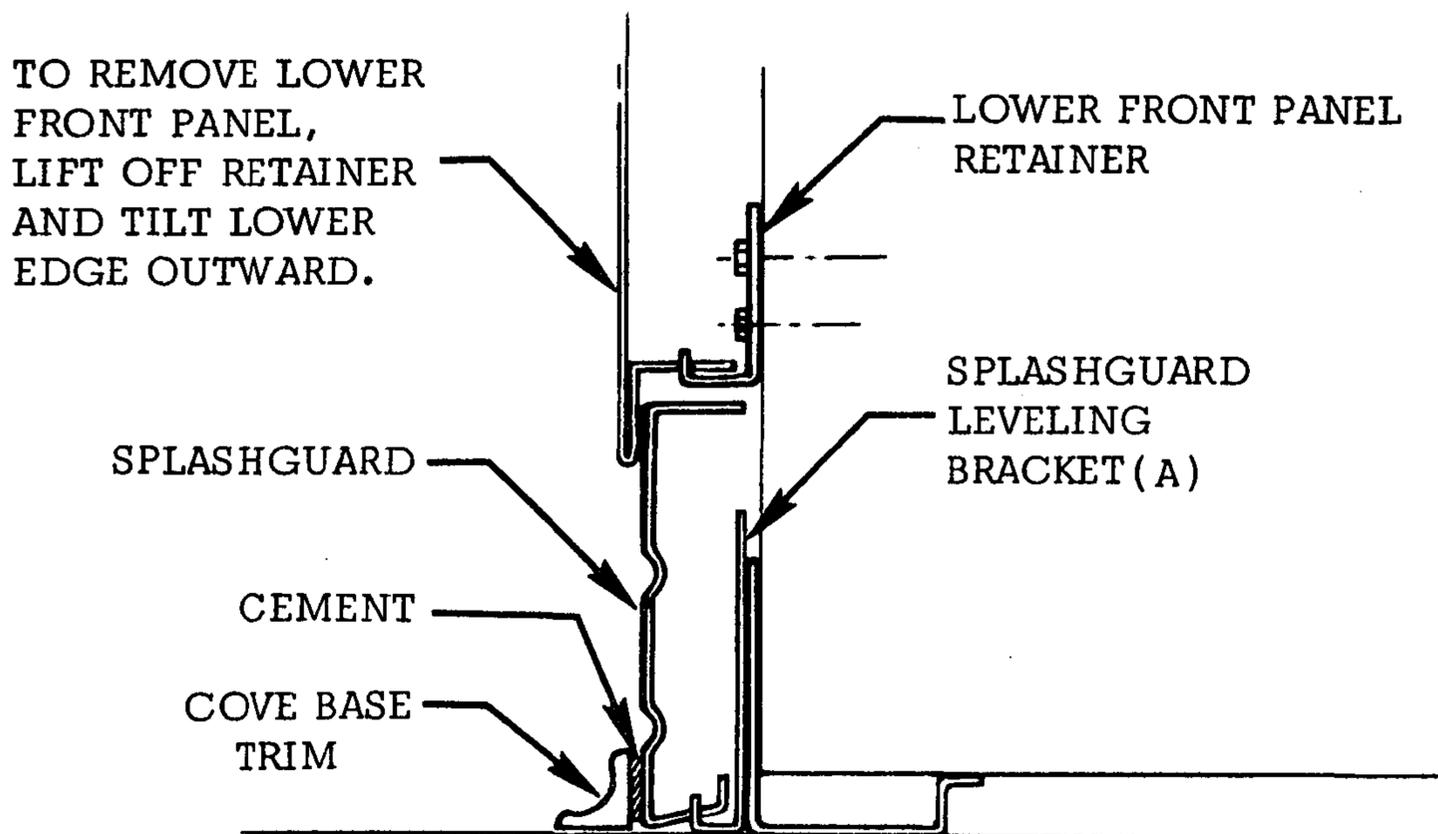
STEP 9. Install FRONT PANEL JOINT (Item 4) over the joint at the location shown with #8x $\frac{1}{2}$ " SHEET METAL SCREWS, TR. HD. (Item 13). Use trim as template for drilling screw pilot holes in the PEN fixture and the joining fixture. Remove film covering from trim. Repeat at other side of fixture.

STEP 10. Install RUBRAIL JOINT TRIM (Item 5) over the rubrail joint with #8x $\frac{1}{2}$ " TRUSS HD. SHEET METAL SCREWS (Item 13). See Illustration. Use casting as template to drill screw pilot holes in the fixtures. Repeat at other side of fixture.

STEP 11. Install SPLASHGUARDS (Items 6, 7 and 8) at their respective sides of the PEN fixture. The Splashguards fit under the PEN front panels and are retained at the lower edge by the adjustable splashguard brackets on the PEN that fit into the cutouts provided in the lower edge of the splashguard.

STEP 12. Install SPLASHGUARD CORNER COVERS (Item 9) with #8x $\frac{1}{2}$ " TR. HD. SHEET METAL SCREWS (Item 13). See Illustration for location on Page 6.

STEP 13. Apply gun grade latex sealer into joint as shown, over the end gasket to fill joint. Remove excess sealer to improve appearance of joint. Sealer is provided with joining "P" Model fixtures. See Illustration on Page 5.



SEALING SPLASHGUARD TO FLOOR:

If required by local sanitary codes or if customer so desires, splashguards may be sealed to the floor using a Vinyl Cove Base Trim such as produced by Armstrong, Kentile, Johnson, etc. from local floor covering supplier, (see illustration below). The size needed will depend on how much the floor is out of level.

When installing the cove base trim to the splashguard:

STEP 1. Remove all dirt, wax and grease from surface area of splashguard where adhesion will be necessary. This will insure a good, secure installation.

STEP 2. Apply a good contact cement to the cove base trim and allow the proper drying time according to directions supplied with cement.

STEP 3. Install cove base trim so that it is lying flush with store floor.

SECTION 3

USER'S INSTRUCTIONS

DISPLAY PANS:

Display Pans are available for placement in the fixture to elevate the display. The front display requires two pan segments, the side display areas requiring one display pan, each side.

CARE AND CLEANING:

Long life and satisfactory performance of any equipment is dependent upon the care given to it. To insure long life, proper sanitation and minimum maintenance costs, the fixture should be thoroughly cleaned, debris removed and the interior washed down monthly.

NEVER INTRODUCE WATER INTO THE FIXTURE FASTER THAN THE WASTE OUTLET CAN CARRY IT AWAY.

To preserve the interior and exterior finish of the fixture, use warm water and a mild detergent.

DO NOT USE ABRASIVE CLEANERS OR STEEL WOOL SCOURING PADS AS THESE WILL MAR THE FINISH.

SECTION 4SERVICE TIPSREMOVAL AND REPLACEMENT OF LOWER FRONT PANEL AND SPLASHGUARDS:A. TO REMOVE PANEL:

1. Slide panel upward off Retainer (A).
2. Pivot lower end of panel outward from fixture.
3. Remove Panel (B).

B. TO REPLACE PANEL:

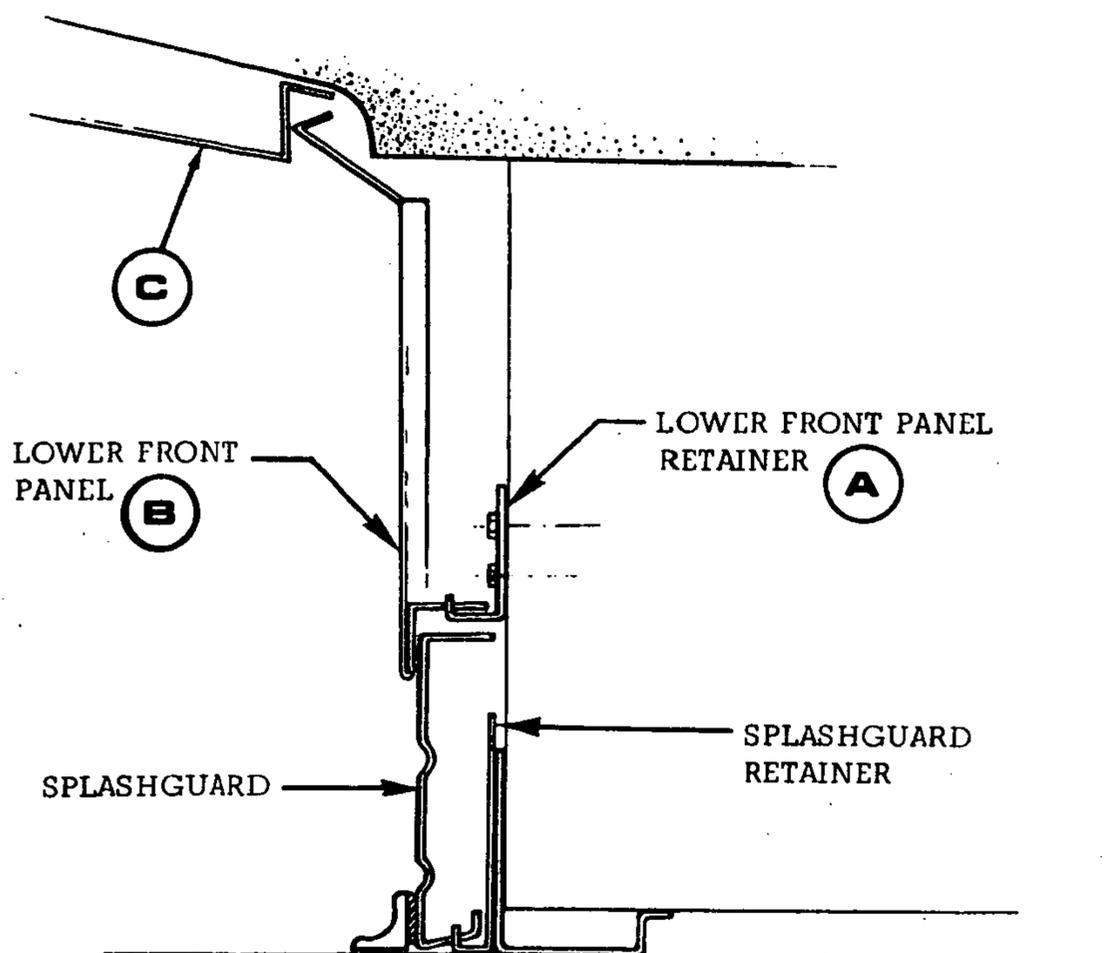
1. Insert upper edge of Panel (B) under the Exterior Upper Front Panel (C).
2. Pivot lower edge of Panel (B) toward fixture.
3. Slide Panel upward, then lower into position onto Retainer (A).

C. TO REMOVE SPLASHGUARD:

1. Remove Splashguard Corner Cover.
2. Raise Splashguard.
3. Tilt lower end of Splashguard outward and remove.

D. TO INSTALL SPLASHGUARD:

1. Insert upper end of Splashguard under Fixture Lower Front Panel (see Illustration).
2. Lower the Splashguard. The notches in the lower end of the Splashguard will fit over the retainers that are located along the edge of the Fixture and retain the Splashguard.
3. Attach Splashguard Corner Cover over Corner Joint of Splashguard.



SECTION 5

FIXTURE PARTS LIST
MODEL PEN PRODUCE FIXTURE

<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
6.	0140624	Splashguard
7.	0140626	L.H. End Splashguard
8.	0140627	R.H. End Splashguard
9.	0140628	Splashguard Corner Cover
15.	0140584	Exterior Upper Front Panel
16.	0140590	Exterior Upper Front L.H. Panel
17.	0140591	Exterior Upper Front R.H. Panel
18.	0142980	Exterior Lower Front Panel
19.	0140602	Exterior Lower Front L.H. Panel
20.	0140603	Exterior Lower Front R.H. Panel
21.	0142943	Rubrail Trim
22.	0140619	Side Rubrail Trim
23.	0140620	Top Front Trim
24.	0140622	L.H. Top Front Trim
25.	0140623	R.H. Top Front Trim
26.	0140629	Rubrail Corner Trim
27.	-----	Serial Plate Location
28.	0140688	Exterior Top Front Panel
29.	0140689	Exterior Top Side Panel

