

# GalvinSafe<sup>®</sup> Free Standing Combi Shower, Axion<sup>®</sup> MSR Eye/Face Wash, Hand Activated (HAWS)

**PRODUCT CODE:**

Galvin Engineering: 190.80.10.12

HAWS: 8330-A

**PRE - INSTALLATION**

**LOCATION OF UNIT:** The Model 190.80.10.12 (8330-A) Stainless Steel combination Shower Eye/Face Wash should be installed in close proximity to potential accident areas. It should be clearly identified, free from obstructions and easy to access.

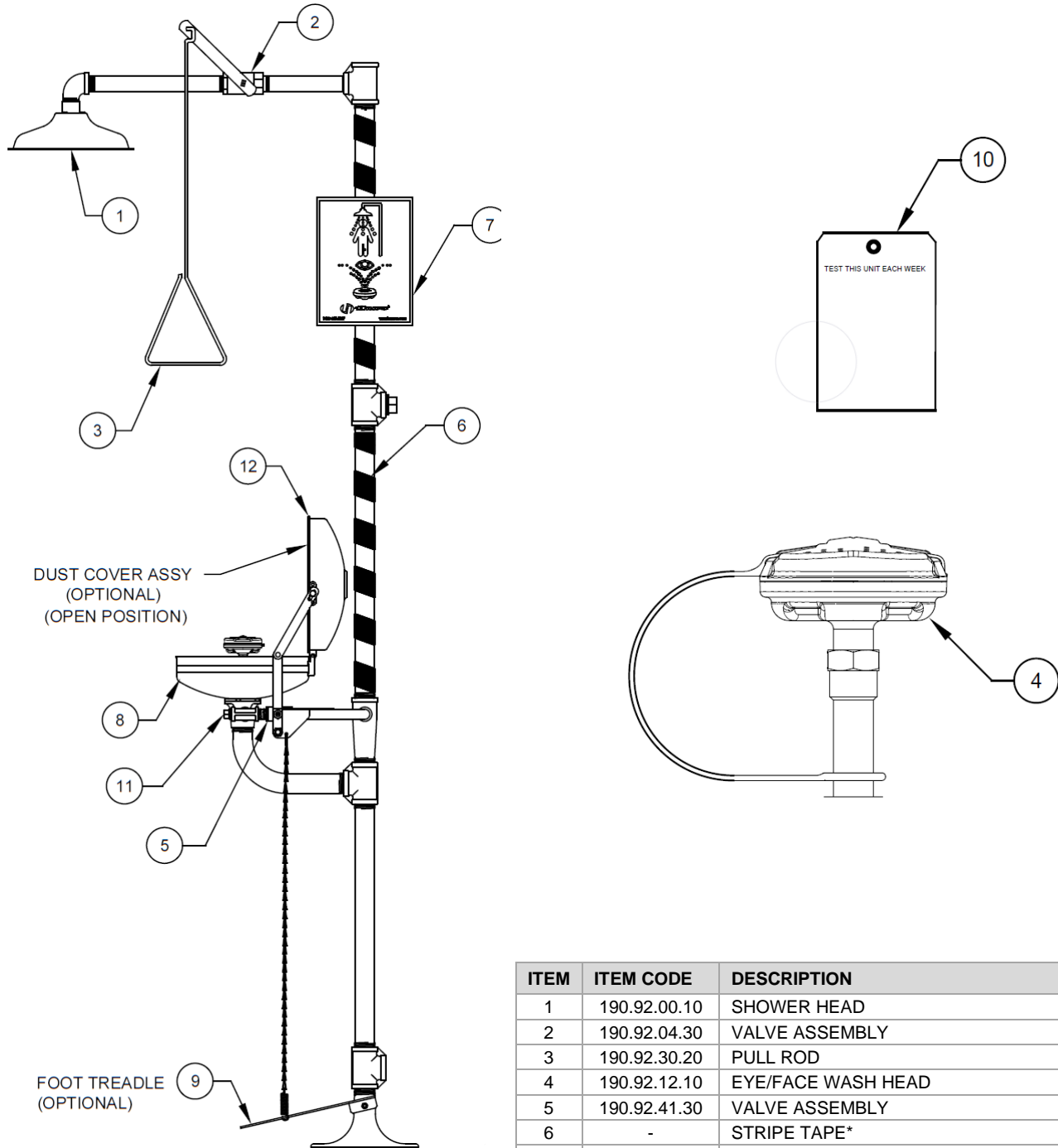
**SUPPLY LINE:** The minimum recommended line size is 1-1/4" BSP with 210 – 600 kPa flowing pressure. Where sediment or mineral content is a problem, an inlet filter is recommended.

**PLUMBING CONNECTIONS:** Inlet supply is male 1-1/4" BSPT. Waste outlet is male 1-1/4" BSPT.

**INSTALLATION**

Refer to installation drawing to clarify installation procedure.

**PARTS BREAKDOWN**



ITEM	ITEM CODE	DESCRIPTION
1	190.92.00.10	SHOWER HEAD
2	190.92.04.30	VALVE ASSEMBLY
3	190.92.30.20	PULL ROD
4	190.92.12.10	EYE/FACE WASH HEAD
5	190.92.41.30	VALVE ASSEMBLY
6	-	STRIPE TAPE*
7	190.95.90.90	EMERGENCY EYE & SHOWER SAFETY SIGN
8	190.92.22.20	BOWL
9	190.91.22.12	FOOT TREADLE (OPTIONAL)
10	190.91.80.33	TEST TAG
11	-	L-STRAINER*
12	-	SS DUST COVER ASSEMBLY* (OPTIONAL)

\* spare parts will require special order or may not be available (contact Galvin engineering for more details).

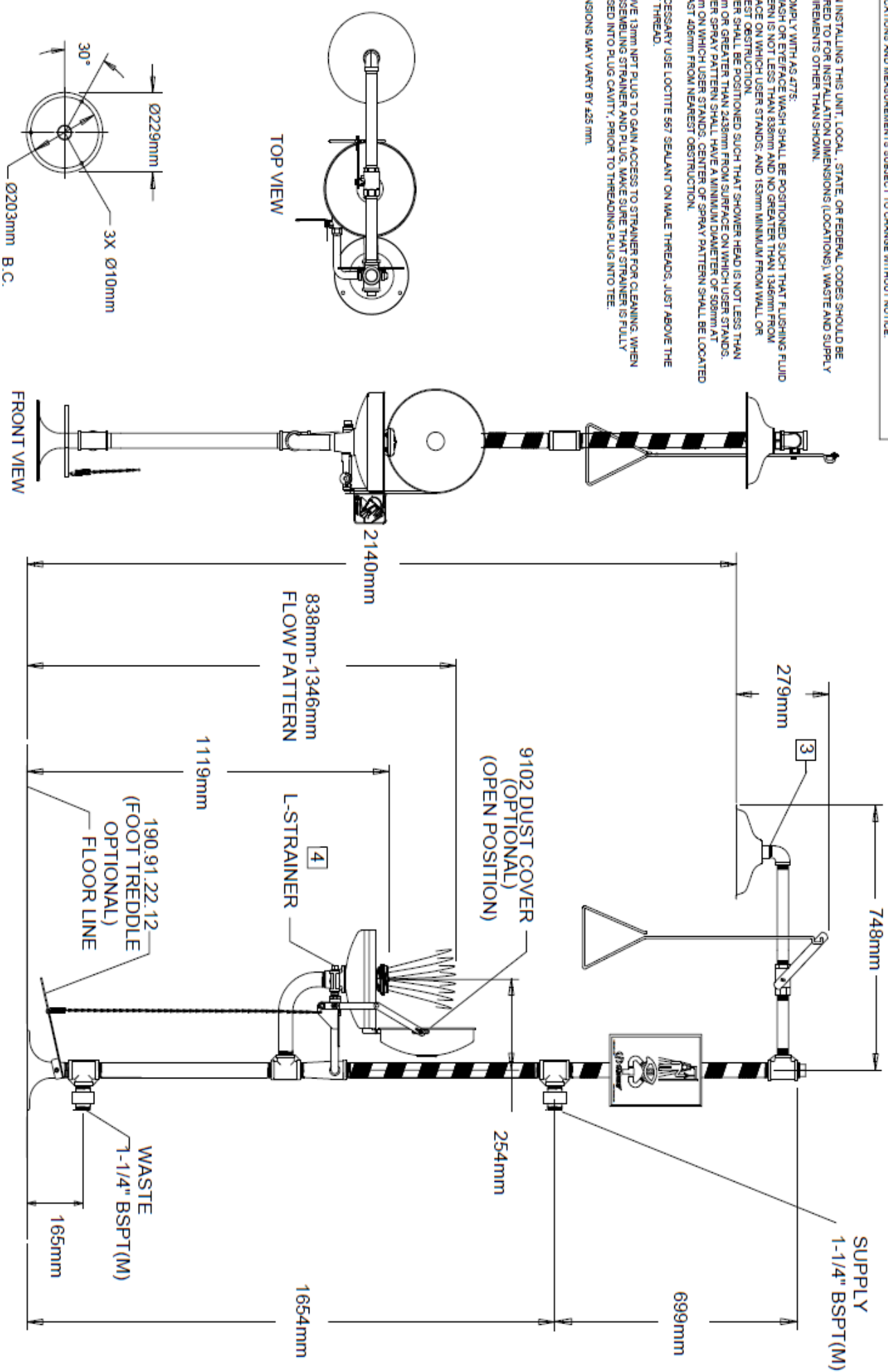
**INSTALLATION PROCEDURE**

Refer to Installation Drawing for clarification. Check parts list to ensure all required parts are included. Use AS 4020 approved pipe joint sealant on all connections.

- STEP 1:** Prepare the emergency shower foundation by using the floor flange as a template. Locate the three holes for the 3/8-16 UNC x 6" anchor bolts. (Not supplied). They should extend 1" above the floor level.
- STEP 2:** Once the concrete foundation is ready (dry), assemble the floor flange to the anchor bolts; then securely fasten with 3/8-16 UNC Hex nuts and 3/8" washers (Not supplied). Seal and tighten floor flange and (1-1/4") tee making certain the waste tee is facing the proper location and the foot control holes are facing side to side.
- STEP 3:** Assemble nipple (1-1/4" x 24") to the tee and tighten with a pipe wrench.
- STEP 4:** Assemble the eye/face wash loop assembly to the (24") nipple from Step three. Connect the pipe wrench to the nipple between the two tees to avoid damage.
- STEP 5:** Assemble in the following order:  
Attach nipple (1-1/4" x 24") onto the loop assembly.  
Attach nipple (1-1/4" x 24") onto the tee.  
Attach tee (1-1/4" x 1-1/4" x 1") onto nipple.  
Attach nipple (1" x 8") and valve assembly onto tee.  
Attach street elbow (1") and nipple (1" x 12-1/2") onto valve.
- STEP 6:** Assemble showerhead onto street elbow (1").
- STEP 7:** Assemble the sign onto the unit. Use the strap, screws, washers and nuts provided to mount the sign onto the upright. The sign should be positioned for maximum visibility.
- STEP 8:** Insert the plug into the optional supply line tee that is not used. Before connecting the supply water line to the emergency shower; **CHECK IF THE ASSEMBLY IS RIGIDLY TIGHTENED AND FLUSH THE LINE THOROUGHLY.**

NOTES:

1. WHEN INSTALLING THIS UNIT, LOCAL, STATE, OR FEDERAL CODES SHOULD BE ADHERED TO FOR INSTALLATION DIMENSIONS (LOCATIONS), WASTE AND SUPPLY REQUIREMENTS OTHER THAN SHOWN.
2. TO COMPLY WITH AS 4775:
  - EYEWASH OR EYEFACE WASH SHALL BE POSITIONED SUCH THAT FLUSHING FLUID PATTERN IS NOT LESS THAN 838mm AND NO GREATER THAN 1346mm FROM SURFACE ON WHICH USER STANDS; AND 153mm MINIMUM FROM WALL OR NEAREST OBSTRUCTION.
  - SHOWER SHALL BE POSITIONED SUCH THAT SHOWER HEAD IS NOT LESS THAN 2033mm OR GREATER THAN 2438mm FROM SURFACE ON WHICH USER STANDS.
  - SHOWER SPRAY PATTERN SHALL HAVE A MINIMUM DIAMETER OF 508mm AT 1524mm ON WHICH USER STANDS. CENTER OF SPRAY PATTERN SHALL BE LOCATED AT LEAST 406mm FROM NEAREST OBSTRUCTION.
3. IF NECESSARY USE LOCTITE 567 SEALANT ON MALE THREADS, JUST ABOVE THE FIRST THREAD.
4. REMOVE 13mm NPT PLUG TO GAIN ACCESS TO STRAINER FOR CLEANING. WHEN REASSEMBLING STRAINER AND PLUG, MAKE SURE THAT STRAINER IS FULLY PRESSED INTO PLUG CAVITY, PRIOR TO THREADING PLUG INTO TEE.
5. DIMENSIONS MAY VARY BY ±25 mm.



FLOOR FLANGE MOUNTING DETAIL

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ECN NO. REVISED	FEEDBACK	MODEL(S)	190.80.10.12 (8330-A)	PART NUMBER	0002080174.D
ECN: 5530	FV			REVISION	26
DRAWN: C. HAYES	DATE: 05/91			SCALE: 1/16	DRAWING TYPE: INSTALLATION
APPROVED: NE	DATE: 03/27/20			SIZE: A	SHEET 1 OF 1

TROUBLESHOOTING	
PROBLEM	REPAIR CHECKLIST
1. No Flow.	1. Check the main shut-off valve.
2. Insufficient water flow.	2. Verify minimum 210 kPa flowing supply line pressure.
3. Insufficient water flow on eye/face wash, however, shower is sufficient	<p>3. a. Verify minimum 210 kPa flowing supply line pressure</p> <p>b. Probable clogging of flow control due to inadequate line flushing. Unscrew eye/face wash head and remove the four screws to disassemble head. Clean flow control and reassemble Head.</p> <p>c. Remove plug located on L – Strainer using a 9/16” wrench to access clean filter screen.</p>
4. Eye/face wash streams do not meet desired eye level.	4. Possible blocked flow control, see above solution. Possible non-leveled eye/face wash assembly
5. Water does not drain properly.	5. Check your drain system for debris. Check the main waste line of your building to see if it does handle the capacity required for the entire drainage system
6. Water leak between joints or fittings.	6. Tighten loose connections. If leak persists, the application of hot water will sometimes reseal improperly applied joint compound. After 30 minutes wait and retest. A persistent leak will necessitate reassembly and additional sealant.
7. Insufficient water flow from shower, however, eye/face wash is sufficient.	7. Probable clogging of flow control inside showerhead. Unscrew showerhead off of elbow and clean rubber flow control.

For more information about GalvinSafe® (Haws) products, see our website.



## FLOW CONTROL CLEANING STEPS:

- 1 UNSCREW EYEFACE WASH ASSEMBLY FROM ADAPTER (NOT SHOWN).
- 2 REMOVE SCREWS (QTY. 4) FROM SP65 EYEFACE WASH ASSEMBLY. REMOVE EYEFACE WASH HEAD AND BUFFER (INSERT).
- 3 REMOVE EXISTING FLOW CONTROL FROM BASE BY PUSHING IT OUT FROM THE TOP, AND CAREFULLY REMOVE ANY DEBRIS LODGED BETWEEN O-RING AND HOUSING OR OPENINGS. ALSO, CHECK FOR ANY SEDIMENT OR MINERAL DEPOSITS BLOCKING OPENINGS. EXERCISE CAUTION NOT TO DAMAGE OR LOSE O-RING IN THE PROCESS. ALL OPENINGS ON FLOW CONTROL MUST BE FREE AND CLEAR OF ANY OBSTRUCTIONS FOR FLOW CONTROL TO FUNCTION PROPERLY. REINSTALL FLOW CONTROL. SEE DETAIL A FOR ORIENTATION.
- 4 INSERT BUFFER (INSERT) INTO EYEFACE WASH HEAD NOTING ORIENTATION OF POST IN RELATIONSHIP TO ALIGNMENT GROOVE AS SHOWN ON DETAIL B.
- 5 REASSEMBLE EYEFACE WASH HEAD, MAKING SURE THAT ALIGNMENT GROOVE ON EYEFACE WASH HEAD LINES UP WITH ALIGNMENT TAB ON BASE.
- 6 REINSTALL SCREWS (QTY. 4) INTO THE EYEFACE WASH ASSEMBLY. TIGHTEN SNUG TO ENSURE A WATER-TIGHT SEAL. DO NOT OVER-TIGHTEN. TORQUE SPEC: 4 IN. LBS. MAX
- 7 REASSEMBLE 190.92.12.10 EYEFACE WASH ASSEMBLY ONTO ADAPTER (NOT SHOWN). ORIENT TAB TOWARDS THE BACK (AWAY FROM USER). DO NOT OVER-TIGHTEN.
- 8 PLACE DUST COVER (NOT SHOWN) ONTO EYEFACE WASH.

EYEFACE WASH HEAD HAS 2 LARGE OPENINGS (FOR EYES) AND MULTIPLE SMALLER OPENINGS (FOR FACEWASH)

ALIGNMENT GROOVE [5]

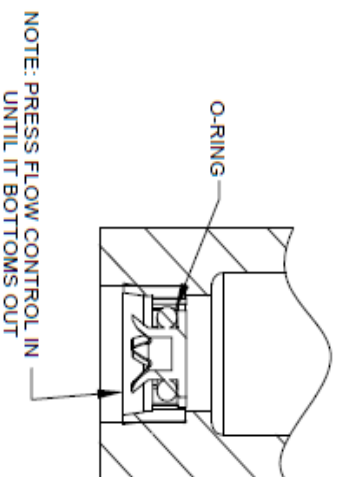
BUFFER (INSERT) [2] [4]

BASE [5]

ALIGNMENT TAB [5]

4X SCREW [2] [6]

EYEFACE WASH FLOW CONTROL (COLOR: PINK) [3]



[3] DETAIL A

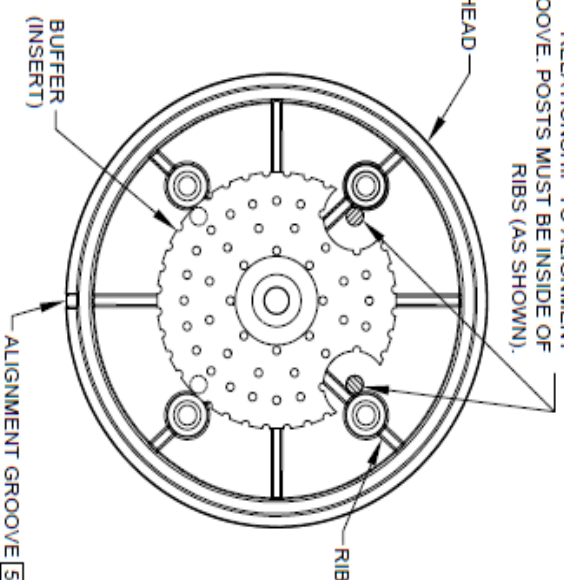
FLOW CONTROL SHOWN IN PLACE



EYEFACE WASH SHOWN WITHOUT DUST COVER [8]

TAB [7]

NOTE ORIENTATION OF POSTS IN RELATIONSHIP TO ALIGNMENT GROOVE. POSTS MUST BE INSIDE OF RIBS (AS SHOWN).



[4] DETAIL B

SEE SHEET 1 OF 2 FOR INSTALLATION/RETROFIT STEPS

190.92.12.10 (SP65)

**Haws**

ENTRICK (REVISED) PART NO:	MODEL(S)	PART NUMBER
4109	190.92.12.10 (SP65)	0002077031
DRAWN	DATE	DRAWING NO.
1.0	04/2013	15342A00
APPROVED	DATE	REV
		8
SCALE: 1:10	DRAWING TYPE: INSTALLATION	SHEET 2 OF 2

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