

CostGard™ CONDENSATE DRAIN SEAL POSSIBLE INSTALLATION ARRANGEMENT FOR DELALIO ELEMENTARY SCHOOL AHU-2

NO SCALE

RETURN AIR

SUPPLY AIR

BALANCING THE AIR SEAL

Install the valve in the closed position and leave it there during the test and balancing operation. The system will drain successfully with the valve closed.

During operation at rated condition, prior to condensate formation and drainage, open the valve in small steps until air begins to flow from the drain line vent. (The proper valve setting is when the air from the drain line vent deflects slightly the flame of a lighter.)

GROMMET
(1-7/8" HOLE SAW)

PIPE SUPPORT
(TYPICAL)

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(TYPICAL)

WARNING LABEL

1-1/4" DRAIN

1-1/4" PIPE & FITTINGS

PIPE SUPPORT
(TYPICAL)

ROTATE TEE
TO ALIGN PIPING
(UP TO 60°)

VENT - 3" HIGH

1" PIPE & FITTINGS
TO MAIN DRAIN

CostGard™
CONDENSATE DRAIN SEAL
MODEL C45BV-12-10

CAUTION TO PREVENT POSSIBLE DAMAGE TO INTERNAL COMPONENTS, EQUIP HOLE SAW WITH DEPTH STOP SUCH AS ILLUSTRATED BELOW.

HOLE SAW DEPTH STOP USING PVC PIPE 1/4" ALLOWABLE BIT DEPTH 1/8" ALLOWABLE SAW DEPTH

MACHINE NUT MACHINE BOLT

SUGGESTED HOLE SAW CONFIGURATION

GROMMET SIZE	HOLE SAW	PVC PIPE
1-1/4"	1-7/8"	2" SCH 80

NOTES:

- DO NOT ALLOW PIPES TO PROTRUDE THROUGH GROMMETS MORE THAN 3/4".
- INSTALL PIPE SUPPORTS AS NECESSARY TO ENSURE PIPING INTEGRITY.
- ROUTE ALL PIPING TO AVOID ACCESS PANELS.
- CONNECTION TO SUPPLY AIR COMPARTMENT MAY VARY.
- ALLOW 1/8" / FT. SLOPE BETWEEN CostGard™ AND FLOOR DRAIN.
- ONCE THE PARTS ARE ASSEMBLED, EACH CONNECTING JOINT MUST BE BONDED WITH PVC CEMENT.

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TITLE CostGard™ CONDENSATE DRAIN SEAL POSSIBLE INSTALLATION ARRANGEMENT		
SCALE: NONE	DRAWING NO. 507	DATE: 6/28/2017
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		SHEET 1 OF 1