

5" PVC DUCT ON BRIDGES BACK TO BACK EXPANSION JOINT INSTALLATION

Instructions:

To install the expansion joint:

- (A) Cut an 8 inch length of duct to serve as a joiner between the two expansion sleeves.
- (B) Bevel inside edges of sleeves, nipple and joiner.
- (C) Apply cleaner to one end of this joiner and to the inside of an expansion joint sleeve (3 inches wide).
- (D) Immediately apply cement generously to one end of the joiner piece, and insert 3 inches into the end of the expansion joint sleeve. (See Figure 1)
- (E) Insert this 8 inch joiner through the support and repeat steps C and D. Be certain that the shoulders of both expansion joint sleeves set firm.
- (F) Install the duct nipples into the expansion sleeves as shown in Figure 2.
- (G) Score ends of all threads after installation.
- (H) Baltimore City uses 3" and 4" PVC ducts for utilities other than Baltimore Gas and Electric Company.

Notes:

The coefficient of thermal expansion for PVC is .00003 inches per inch per degree fahrenheit. The length of a 100 foot conduit run will change 3.6 inches during a temperature change of 100° F.

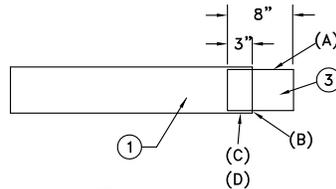


Figure 1

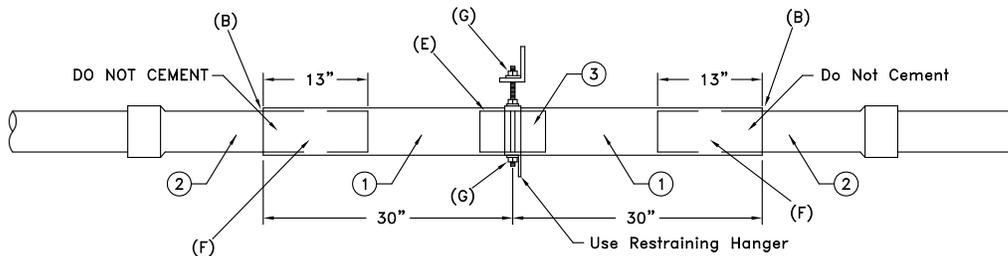
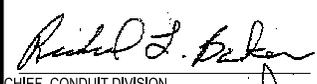
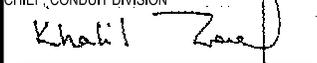


Figure 2

Bill of Material

Item	Description	Quantity
1	30" Expansion sleeve	2
2	5" - I.D. - Duct nipple (Schedule 40)	2
3	5" - I.D. x 8" - Duct joiner (Schedule 40)	1



APPROVED:

 CHIEF, CONDUIT DIVISION

 DIRECTOR, DEPARTMENT OF TRANSPORTATION

**CITY OF BALTIMORE
DEPARTMENT OF TRANSPORTATION
CONDUIT DIVISION**

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BACK TO BACK EXPANSION JOINT
INSTALLATION**

ISSUED	REVISED	REVISED
8 / 2010		
STANDARD NO. BC 802.04-5		
SCALE: NONE	SHEET 5 OF 6	