



DEPARTMENT OF BUILDINGS

EXECUTIVE OFFICES
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312-8100

M E M O R A N D U M

DATE: JULY 3, 1990
TO: The Borough Superintendents
FROM: Executive Engineer Irving Polsky, P.E. *JP*
SUBJECT: Highlights of Local Law 100 of 89
in relation to the installation and support of
No-Hub type soil pipe, fittings and couplings.

BACKGROUND:

The above local law was enacted on December 27, 1989. It added two reference standards (CISPI 310-1985 and CISPI 301-1985) developed by the Cast Iron Soil Pipe Institute to Reference Standard RS-16 to insure proper installation and support of No-Hub type soil pipe.

PURPOSE:

The purpose of this memorandum is to extract and disseminate some of the significant details from the latter specifications.

SPECIFICS:

The following requirements apply to horizontal and vertical piping:

(1) HORIZONTAL PIPING:

(a) CISPI 310/85 (6.1) and RS 16 P106(b)(1):

Straight runs of horizontal piping shall be supported at five foot intervals, except pipe in ten foot lengths may be supported at ten foot intervals. Supports shall maintain alignment, maintain slope, prevent sagging and shall be placed within eighteen inches of coupling or joint. Refer to Drawing (1) (a).

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- (b) CISPI 310/85 (6.1.2) and RS-16 P106.3 (b) (1)

Additional hangers shall be provided at each horizontal branch connection.

- (c) CISPI 310/85 (6.2.1) - "SHEAR PREVENTION":

Use standard pipe supports such as beam clamps with clevis or trapeze hangers supported from structural members, or wall brackets secured to masonry with expansion bolts.

- (d) CISPI 310/85 (6.2.1) - "SWAY BRACING":

Piping suspended in excess of eighteen inches from slab above with non-rigid hangers, shall be provided with sway bracing to prevent horizontal movement.

Strap (band) iron less than one-eighth inch in thickness shall not be considered suitable. Refer to Drawing (1) (d).

- (e) CISPI 310/85 (6.1.2) - "PREVENTION OF JOINT SEPARATION":

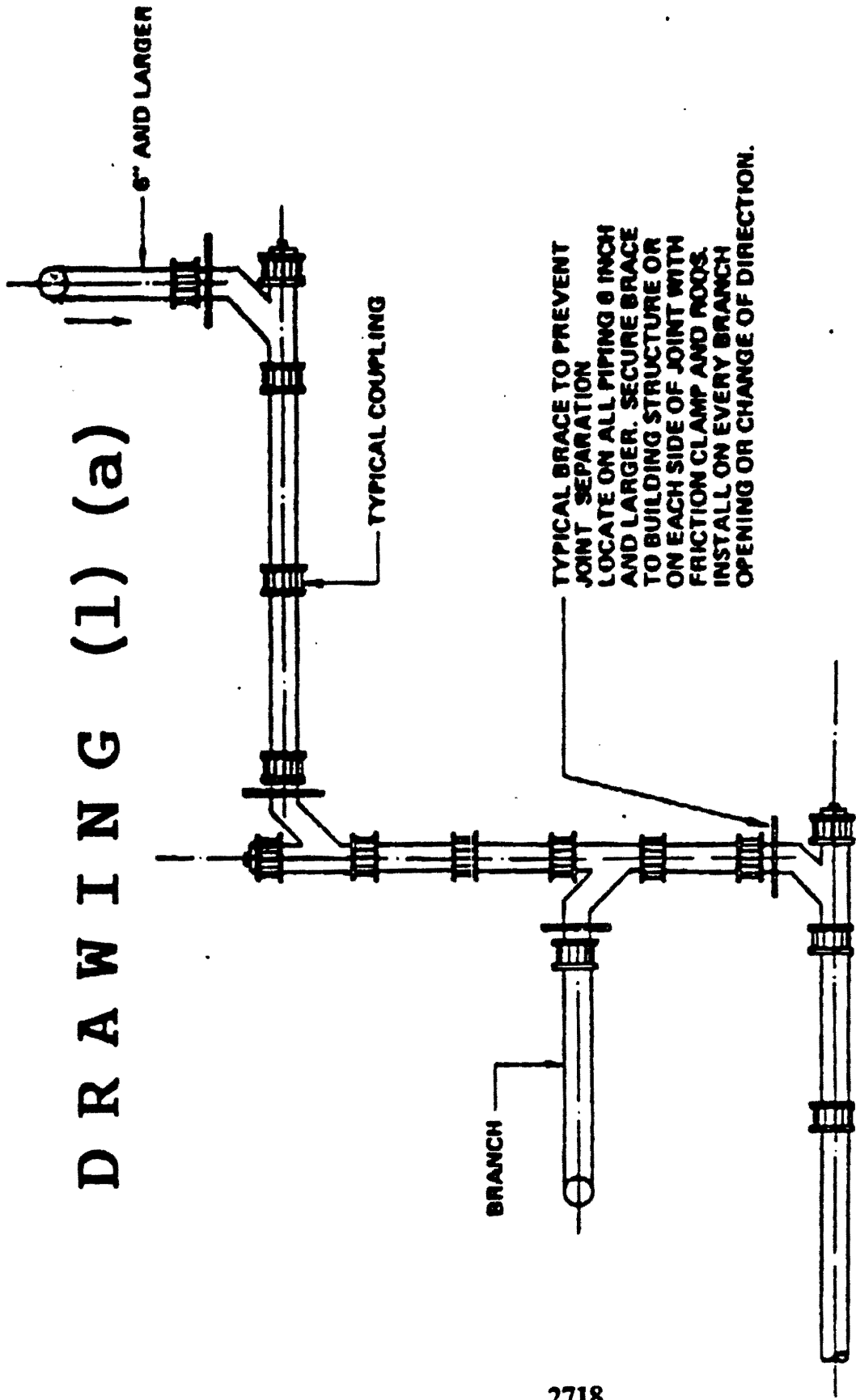
To prevent joint separation, horizontal pipe and fittings six inches and larger and all traps, trap arms and similar branches shall be braced at every branch connection or change in direction. Install riser clamps with rodding straddling the couplings or secure piping to structure with anchor.

(2) **VERTICAL PIPING:**

- CISPI 310/85 (6.3) and RS-16 P106.3 (a):

Vertical piping shall be installed plumb and vertical without joint deflection. Maintain alignment by bracing each joint and by supporting each stack base fitting from the structure above. Support shall handle the weight of the piping and its contents. Refer to Drawing (2).

DRAWING (I) (a)

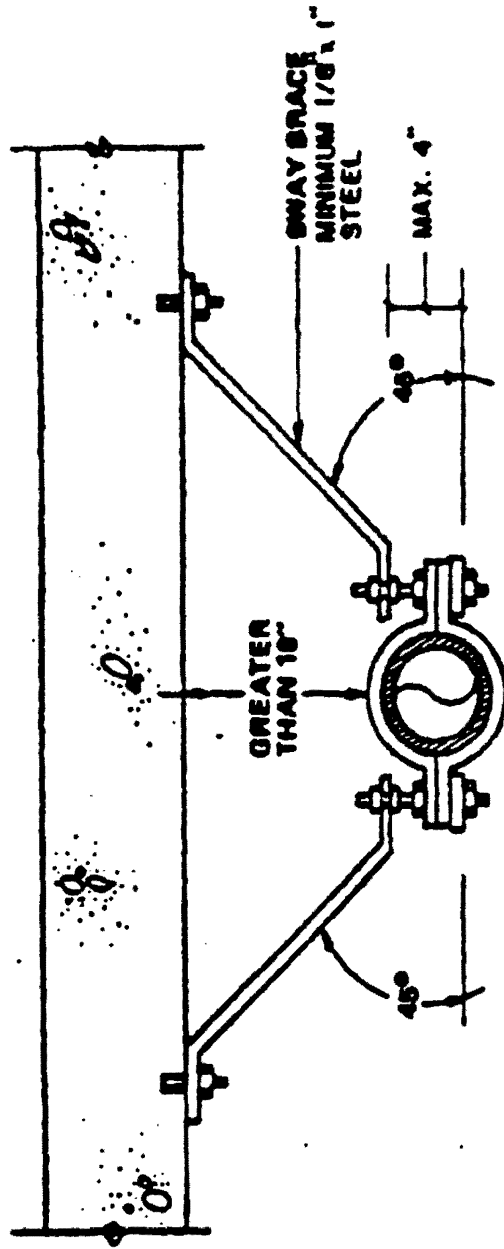


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NO HUB PIPE BRACING LOCATION FOR HORIZONTAL PIPING

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DRAWING (I) (d)

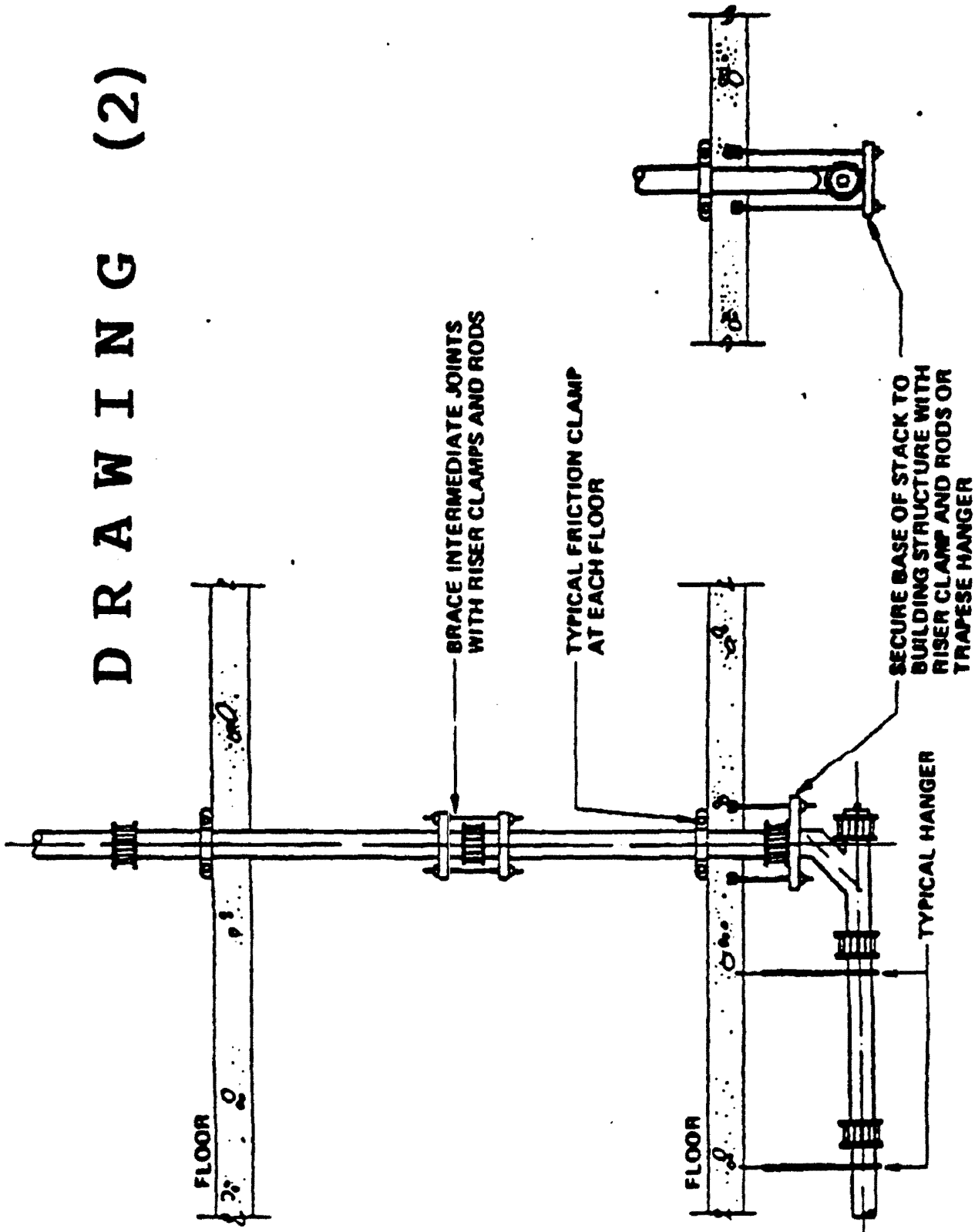


WHEN NO HUB PIPING IS SUSPENDED IN EXCESS OF 18" BELOW STRUCTURE, SWAY BRACING SHALL BE PROVIDED TO PREVENT HORIZONTAL MOVEMENT. LOCATE BRACE EVERY 30 FT ON STRAIGHT RUNS WITH AT LEAST ONE BRACE ON OFFSETS IN EXCESS OF 10 FEET.

NO HUB PIPE SWAY BRACING FOR HORIZONTAL PIPING

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DRAWING (2)



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NO HUB PIPE BRACING FOR VERTICAL PIPING
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