

RFI 73

Project: COOLEY LABORATORY RENOVATION
Job: 3146 COOLEY LAB, PPA# 10-0023
Customer: STOFMT MSU BOZEMAN

POTENTIAL IMPACTS

Cost Impact: No
Schedule Impact: No

Issued To: CONSTRUCTION MANAGEMENT SERV.
P.O. BOX 7274
BOZEMAN, MT 59715

Attention: DONALD J. PLATISHA
Phone/Fax: 406 585-0611 / 406 585-2698

Coordination copies to:

Item: Domestic Water Supply in Basement Type: MECH
Reference: M3.1 Detail 4, M2.0.2 Spec. Section:
Attachments:

Description of Request

The domestic water supply is 3" after it splits off of the Industrial from the initial 4" water service. It then distributes 2" cold water to the domestic water heaters, the domestic cold continues on in 3" across the corridor of the basement to the stacked restroom groups. The total fixture count of the restroom groups including the drinking fountains, flushometers, and lavs on basement thru fourth floor is 333 fixture units. Taking into account 100' of piping and 50' of head we would be able to feed these restroom groups with a 2" pipe.

In the interest of keeping pipe size down in the basement corridor is it acceptable to run 2" piping over from the water heater branch off to the restroom groups . The size of the riser drops to 2" on 1st floor currently.

Williams Plumbing

Respond By: 01/16/12 By: TIM THOLT

Response

According to our calculations, the 3" water line size is required to satisfy the NIH DRM minimum pressure requirements at the most distant fixtures. The line should remain 3". If this is causing clearance issues, then discussions can be had regarding reduced insulation thickness.

Signed: Dave Broquist Date: 1-11-2012

Proceed as Indicated: Date:

Owner Authorized Representative