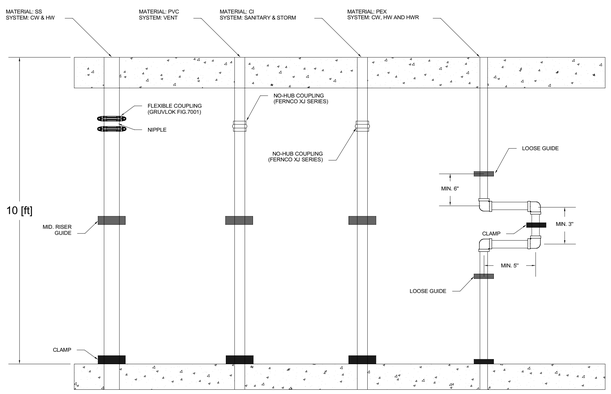
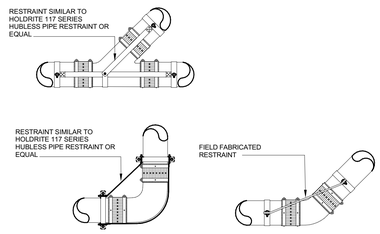



1 P06.01 DETAIL - PLUMBING - EXPANSION JOINTS
N.T.S.




HORIZONTAL PIPE AND FITTINGS 5" AND LARGER SHALL BE SUITABLY BRACED TO PREVENT HORIZONTAL MOVEMENT. THIS MUST BE DONE AT EVERY BRANCH OPENING OR CHANGE IN DIRECTION BY THE USE OF BRACES, BLOCKS, RODDING OR OTHER SUITABLE METHOD, TO PREVENT MOVEMENT OR JOINT SEPARATION. THIS BRACING MAY BE FIELD FABRICATED OR A MANUFACTURED SYSTEM. THE DETAILS SHOWN ON THIS PAGE ILLUSTRATES SEVERAL METHODS OF BRACING.

2 P06.01 NO-HUB THRUST RESTRAINT
1" = 1'-0"

**City Of Portland**

**REVIEWED FOR CODE COMPLIANCE**

Date: 02/11/20

Project:
19-106743-REV-01-CO


**American Heating, Inc.**
PLUMBING CONTRACTORS
PORTLAND, OREGON 97202-4765
TELEPHONE (503) 239-4600 FAX (503) 239-4605



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08/23/18
B. SHEA
J. LOVELL
418309

REGISTERED PROFESSIONAL ENGINEER
80947PE
DIGITALLY SIGNED
OREGON
JAMES D. SCOTT
RENEWS: 12-31-2019
NOT VALID UNLESS DIGITAL SEALED

**18S**
GREYSTAR
1715 SW Salmon St
Portland, OR 97205

REVISIONS

| | | |
|---|---|---|
| A | PERMIT RESPONSE 1 | 05/03/2019 |
| B | PERMIT RESPONSE 2 | 08/09/2019 |
| 3 | AB-01 | 09/27/2019 |

CHECKED BY: Checker
ISSUE DATE: 27 SEP 2019
PROJECT NO: 1803002

**PLUMBING DETAILS**

**P06.01**

**CONSTRUCTION SET**

10/31/2019 1:11:05 PM