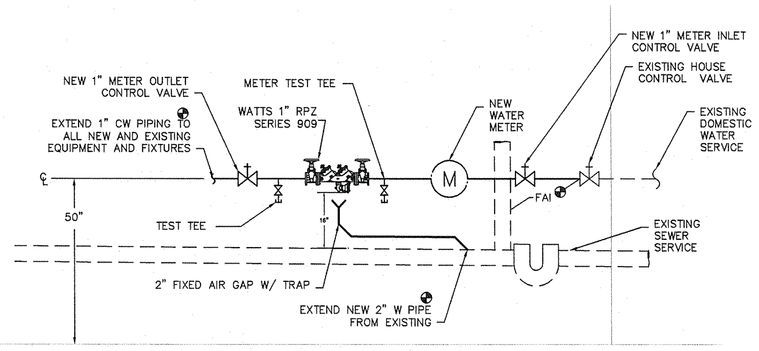
BACKFLOW PREVENTER INSTALLATION NOTES:

1. ALL WORK SHALL CONFORM TO LOCAL WATER COMPANY RULES AND REGULATIONS.
2. PROVIDE 60" MAX CLEARANCE SPACE BETWEEN CENTER LINE OF DEVICE TO FLOOR.
3. PROVIDE 30" MIN CLEARANCE SPACE FROM CENTERLINE OF HORIZONTAL DEVICE TO FLOOR. PROVIDE 36" MIN CLEARANCE TO FLOOR FOR VERTICAL DEVICE.
4. PROVIDE 30" MIN. CLEARANCE OF CLEAR SPACE BETWEEN THE FRONT SIDE OF THE DEVICE AND THE NEAREST WALL OR OBSTRUCTION.
5. PROVIDE 8" MIN CLEARANCE SPACE BETWEEN THE BACK SIDE OF THE DEVICE TO THE NEAREST WALL OR OBSTRUCTION.
6. BETWEEN POINT OF ENTRY AND BFP, THE PIPES MUST BE STENCILED "FEED TO BACKFLOW PREVENTER–DO NOT TAP OR CONNECT TO THIS LINE" AT 5' INTERVALS AND AT ALL WALL AND FLOOR PENETRATIONS. LETTERING SHALL BE 2" BLACK ON WHITE BACKGROUND.
7. THE DEVICE SHALL BE TESTED ANNUALLY, DISASSEMBLED AND OVERHAULED EVERY FIVE YEARS AS REQUIRED BY WATER COMPANY.
8. INSTALLATION OF DEVICE WILL MEET THE WATER COMPANY REQUIREMENTS.
9. THE ROOM WHERE THE DEVICE IS INSTALLED HAS HEAT AND LIGHT.
10. CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER TO CHECK THE INSTALLATION OF THE NEW DEVICE IN ACCORDANCE TO THE APPROVED PLANS AND SIGN A CERTIFICATION STATEMENT ON FORM GN–235.
11. PROVIDE OSHA APPROVED LADDER AND PLATFORM IF BFP IS INSTALLED MORE THAN 60" ABOVE FLOOR.
12. WHERE THE DISTANCE BETWEEN THE WATER METER AND THE BFP IS GREATER THAN 10'–0", ALL EXPOSED PIPING SHOULD BE STENCILED "FEED TO BACKFLOW PREVENTER–DO NOT TAP OR CONNECT TO THIS LINE" AT 5' INTERVALS.
13. PROVIDE ADEQUATE SUPPORT FOR THE PIPING AND BFP ASSEMBLY TO PREVENT LATERAL MOVEMENT. PIPE HANGERS, BRAXCES, SADDLES, STANCHIONS, PIERS, ETC SHOULD BE USED TO SUPPORT THE DEVICE AND SHOULD BE PLACED IN A MANNER THAT WILL NOT OBSTRUCT THE FUNCTION OF OR ACCESS TO THE RELIEF VALVE.
14. IT IS UNLAWFUL TO REMOVE THIS DEVICE FOR ANY REASON UNLESS DEP CROSS CONNECTION CONTROL UNIT IS NOTIFIED.
15. DISCHARGE PIPING FROM RELIEF VALVE SHALL BE TERMINATED A MINIMUM OF 1" ABOVE ANY FLOOR DRAIN OR OTHER RECEIVING RECEPTACLE.

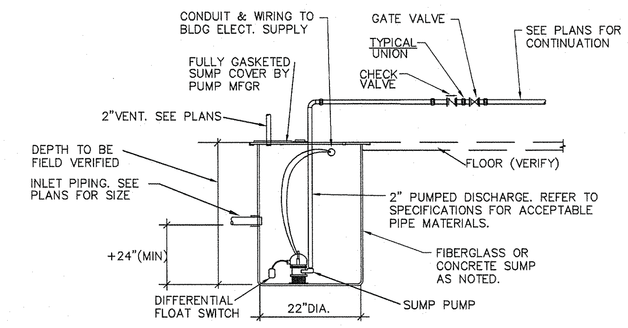


1 DOMESTIC WATER RPZ BACKFLOW PREVENTOR SECTION
SCALE: 1/2" = 1'–0"

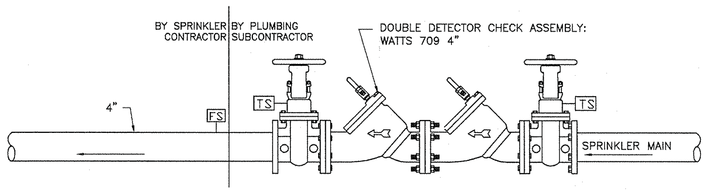
PIPE LENGTHS

7' FROM POINT OF ENTRY TO THE WATER METER.
1'–4" FROM WATER METER TO THE BFP.
1' FROM THE RPZ TO THE TEST TEE.

NOTES
1. CONTRACTOR SHALL PREPARE FILING DOCUMENTS BASED ON FINAL COORDINATED DESIGN. DRAWINGS AND BACKFLOW PREVENTION APPLICATIONS SHALL BE FORWARDED TO ENGINEER WHO WILL SIGN AND SEAL DOCUMENTS FOR FILING.



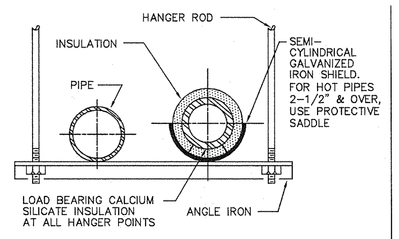
SIMPLEX SUMP PUMP DETAIL
NOT TO SCALE



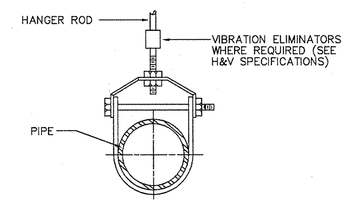
DETAIL OF SPRINKLER DOUBLE–CHECK VALVE ASSEMBLY
N.T.S.

BACKFLOW PREVENTOR NOTES:

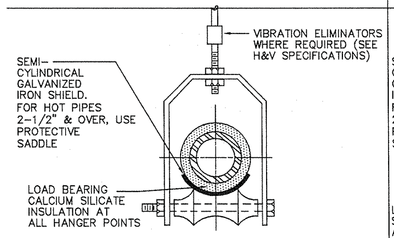
1. PROVIDE ADEQUATE SUPPORT FOR THE PIPING AND BFP ASSEMBLY TO PREVENT LATERAL MOVEMENT. PIPE HANGERS, BRACES, SADDLES, STANCHIONS, PIERS, ETC SHOULD BE USED TO SUPPORT THE DEVICE AND SHOULD BE PLACED IN A MANNER THAT WILL NOT OBSTRUCT THE FUNCTION OF OR ACCESS TO THE RELIEF VALVE.
2. DEVICE INSTALLATION DETAILS AND CLEARANCE SHALL BE PER WATER DEPARTMENT AND DEPARTMENT OF HEALTH REQUIREMENTS.



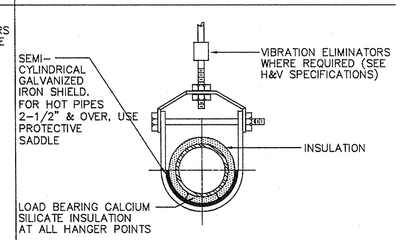
TRAPEZE HANGER
NOT TO SCALE



CLEVIS HANGER
NOT TO SCALE



CLEVIS ROLLER HANGER
NOT TO SCALE



CLEVIS HANGER
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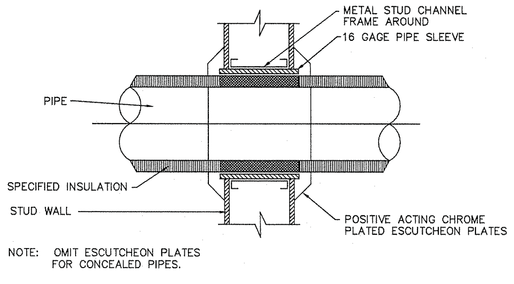
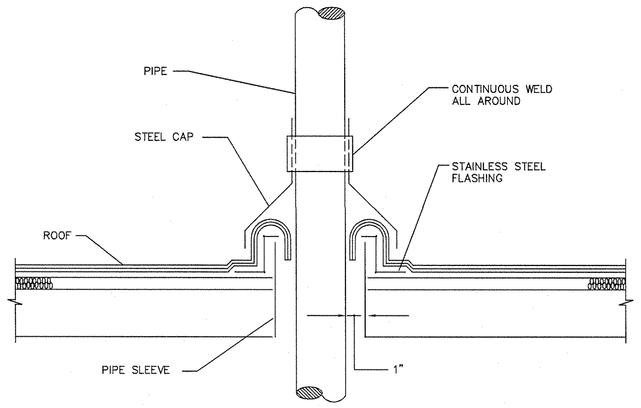
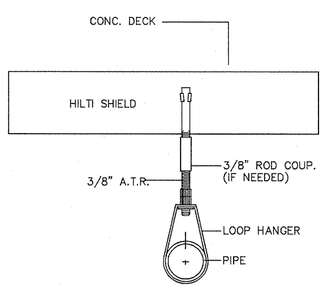


NOTE: OMIT ESCUTCHEON PLATES FOR CONCEALED PIPES.

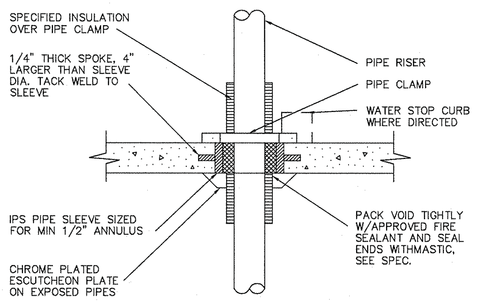
PIPE THRU STUD WALL DETAIL
NOT TO SCALE



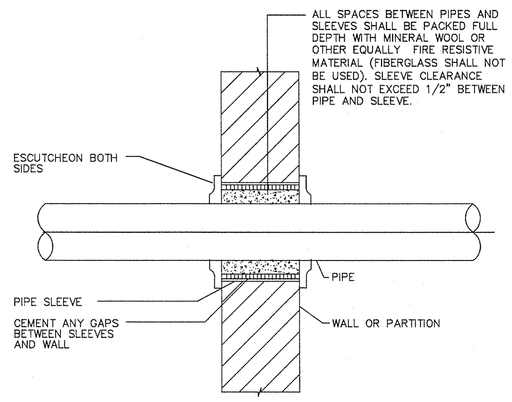
DETAIL OF UNINSULATED PIPE THRU ROOF
N.T.S.



HILTI SHIELD HANGER
SCALE: NONE

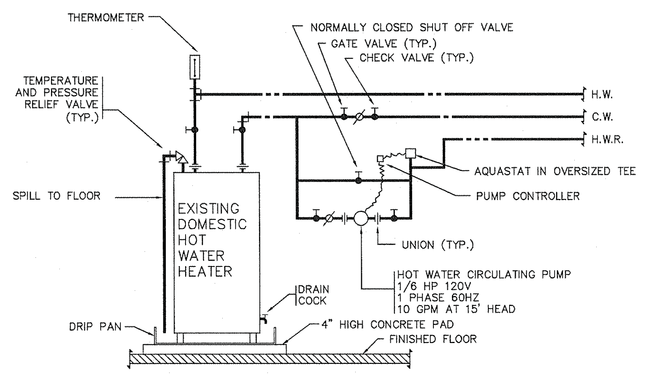


PIPE THRU FLOOR SLAB DETAIL
N.T.S.



NOTE:
1. REFER TO SPECIFICATIONS ARTICLE ENTITLE SLEEVES AND ESCUTCHEONS FOR PIPING.
2. THIS DETAIL ALSO APPLICABLE TO INTERIOR NON–WATER PROOF FLOOR CONSTRUCTION. FOR WATER PROOF FLOOR CONSTRUCTION AND OTHER FLOOR CONSTRUCTION SEE SPECIFICATIONS.

DETAIL OF PIPING PENETRATING REQUIRED FIRE RATED PARTITIONS AND WALL
NOT TO SCALE



DOMESTIC H.W. HEATER DETAIL
N.T.S.

NOTES:
– PROVIDE HWC SYSTEM WHERE INDICTED ON PLANS.
– PROVIDE TIMECLOCK FOR PUMP. TIMECLOCK SHALL TURN PUMP ON DURING NORMAL BUSINESS HOURS (9AM–5PM, ADJUSTABLE) AND TURN OFF DURING OFF HOURS. PUMP SHALL TURN OFF WITHIN 5 MINUTES OF THE END OF HEATING CYCLE.

THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

K:\DWG\brooklynphilharmonic_nyc\90337-CAD\HVAC\NY090337-P30-01.dwg Jul 19, 2012 06:30pm cwilcox

Project
BROOKLYN PHILHARMONIC MUSIC CENTER
299 DeGraw Street, Brooklyn, NY 11231

Prepared for
Brooklyn Philharmonic
55 Washington Street, Suite 656
Brooklyn, NY 11201

Contract No: 79.07250.09

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MEP Engineers
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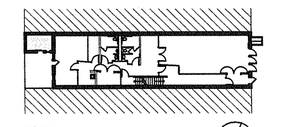
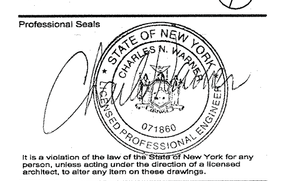
Syska Hennessy Group
Lighting Consultant
11 West 42 Street
New York, NY 10036

Key Plan



BLOCK: 414
LOT: 61

Professional Seals



It is a violation of the law of the State of New York for any person, unless acting under the direction of a licensed architect, to alter any item on these drawings.

No.	Issue Description	MM-DD-YYYY
1	ISSUED FOR FILING	06-14-2012
2	ISSUED FOR BID	07-20-2012

No.	Revision Description	MM-DD-YYYY

B-Scan

Drawn by AW Reviewed by EP
Project No 79.07250.09
Date June 1, 2011
CAPIS ID PV467BPHL

Sheet Title
PLUMBING DETAILS

Sheet Number
P–701.00

Sheet 6 of 6
Original drawing is 42 x 30. Do not scale contents of this drawing