SPRINKLER LEGEND

SYMBOL	ABBR	DESCRIPTION
	SIA	FIRE DEPARTMENT SIAMESE CONNECTION
SPRINKLER HEADS		
●		PENDANT CONCEALED SPRINKLER HEAD
○		UPRIGHT SPRINKLER HEAD
▽		RECESSED SIDEWALL HEAD
▼D		DRY SIDEWALL HEAD
⊗		DRY PENDANT SPRINKLER HEAD
PIPING:		
—(E)—	(E)	EXISTING PIPING
—SP—	SP	NEW SPRINKLER PIPING
FITTINGS:		
		PIPE CAP OR PLUG
VALVES:		
	WFS	WATER FLOW SWITCH
		CHECK VALVE
	OS&Y	CONTROL VALVE W/ PRV
	FCVA	FLOOR CONTROL VALVE ASSEMBLY

SPKR.	SPRINKLER
F.S.P.	FIRE STANDPIPE
DOM.	DOMESTIC
CONN.	CONNECTION, CONNECT
PROV.	PROVIDED
S.P.	STREET PRESSURE
HDS.	HEADS
FIT.	FITTINGS
H.Z.	HIGH ZONE
L.Z.	LOW ZONE

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.

BUILDING DEPARTMENT NOTES

THIS PLAN IS APPROVED ONLY FOR 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.

THE SYSTEM AREA OF APPLICATION ON EACH FLOOR WILL NOT BE DISTURBED BY SPRINKLER WORK.

ALL PIPING NOT INDICATED FOR REPLACEMENT WILL REMAIN AS INSTALLED WITH REGARD TO ROUTING, LOCATION AND PIPE SIZE.

ALL SPRINKLER PIPING SHALL BE SEISMICLY BRACED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13.

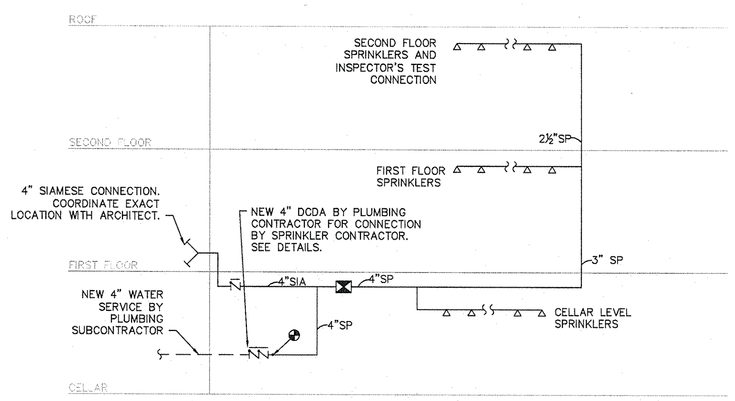
HYDRAULIC SPRINKLER SIZING CRITERIA

SHALL BE AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION BUT SHALL NOT BE SMALLER THAN THE FOLLOWING:

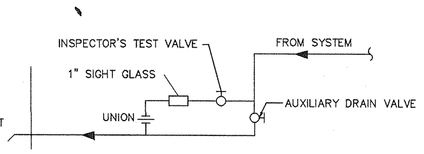
1. OCCUPANCY CLASSIFICATION = LIGHT HAZARD (OFFICE)
2. DENSITY = 0.10 GPM/SQUARE FEET
3. AREA OF APPLICATION = 1500 SQUARE FEET
4. COVERAGE/SPRINKLER = 225 SQUARE FEET/HEAD MAXIMUM
5. STORAGE SPACES SHALL BE CONSIDERED ORDINARY HAZARD, GROUP 1 AND THE COVERAGE PER SPRINKLER SHALL BE 130 SQUARE FEET OR LESS

THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE HYDRAULIC CALCULATIONS AND OBTAIN APPROVAL FROM ALL AUTHORITIES HAVING JURISDICTION OVER THE SPRINKLER WORK, INCLUDING THE BUILDING DEPARTMENT, THE OWNERS INSURANCE CO., OBTAIN AGENCY APPROVALS FOR HYDRAULICS PRIOR TO INSTALLATION OF NEW WORK.

HYDRAULIC CALCULATIONS SHALL BE SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER RETAINED BY THE SPRINKLER CONTRACTOR.

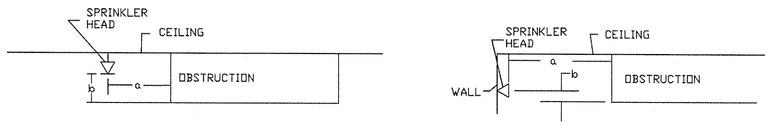


SPRINKLER SYSTEM RISER DIAGRAM
N.T.S.



INSPECTOR'S TEST CONN. ASSEMBLY
N.T.S.

NOTE:
PROVIDE INSPECTION TEST CONNECTION AT HYDRAULICALLY MOST REMOTE POINT IN SPRINKLER SYSTEM



DISTANCE FROM SPRINKLERS TO SIDE OF OBSTRUCTION (a)	MAXIMUM ALLOWABLE DISTANCE OF DEFLECTOR ABOVE BOTTOM OF OBSTRUCTION (b)
LESS THAN 1'	0"
1' TO LESS THAN 1'-6"	2 ½"
1'-6" TO LESS THAN 2'	3 ½"
2' TO LESS THAN 2'-6"	5 ½"
2'-6" TO LESS THAN 3'	7 ½"
3' TO LESS THAN 3'-6"	9 ½"
3'-6" TO LESS THAN 4'	12"
4' TO LESS THAN 4'-6"	14"
4'-6" TO LESS THAN 5'	16 ½"
5' AND GREATER	18"

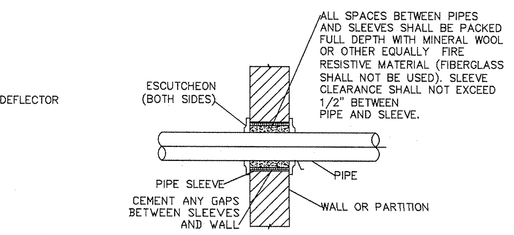
PENDANT SPRINKLERS

DISTANCE FROM SIDEWALL SPRINKLER TO SIDE OF OBSTRUCTION (a)	MAXIMUM ALLOWABLE DISTANCE OF DEFLECTOR ABOVE BOTTOM OF OBSTRUCTION (b)
LESS THAN 4'	0"
4' TO LESS THAN 5'	1"
5' TO LESS THAN 5'-6"	2"
5'-6" TO LESS THAN 6'-6"	3"
6' TO LESS THAN 6'-6"	4"
6' TO LESS THAN 7'	6"
7' TO LESS THAN 7'-6"	7"
7'-6" TO LESS THAN 8'	9"
8' TO LESS THAN 8'-6"	11"
8'-6" AND GREATER	14"

SIDEWALL SPRINKLERS

POSITIONING OF SPRINKLERS TO AVOID OBSTRUCTIONS TO DISCHARGE
FROM NFPA 13

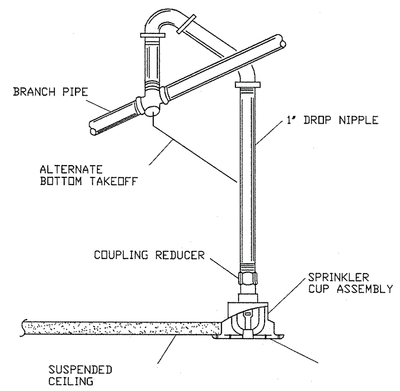
APPLIES TO ALL OBSTRUCTIONS, INCLUDING SURFACE MOUNTED LIGHTS, PIPES, DUCTS, ETC. PROVIDE EXTENDED MOUNT TO COMPLY.



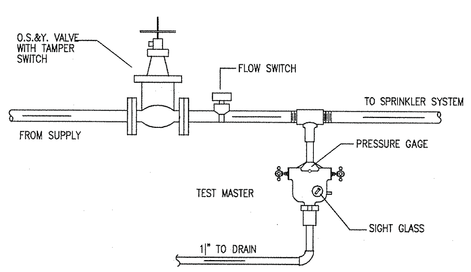
NOTE:
1. REFER TO SPECIFICATIONS ARTICLE ENTITLE "SLEEVES AND ESCUTCHEONS FOR PIPING."

2. THIS DETAIL ALSO APPLICABLE TO INTERIOR NON-WATER PROOF FLOOR CONSTRUCTION. FOR WATER PROOF FLOOR COSTRUCTION AND OTHER FLOOR CONSTRUCTION SEE SPECIFICATIONS.

DETAIL OF PIPING PENETRATION OF FIRE RATED PARTIONS OR WALLS
N.T.S.

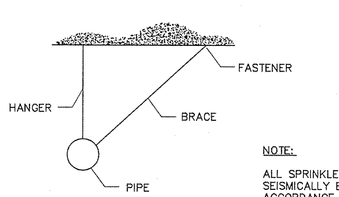


CONCEALED SPRINKLER HEAD CONNECTION FOR SUSPENDED CEILING
N.T.S.



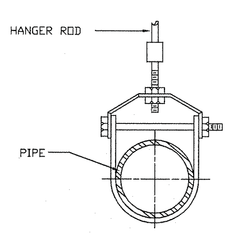
DETAIL OF FLOOR CONTROL VALVE ASSEMBLY
SCALE: NONE

NOTE:
PROVIDE REPAIRS TO EXISTING SYSTEM AS NECESSARY TO MATCH EQUIPMENT AND SCOP INDICATED IN THIS DETAIL

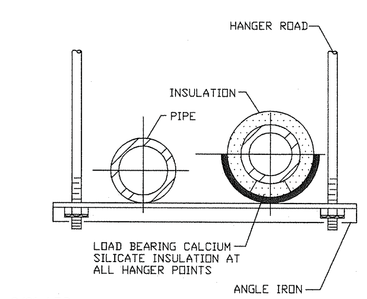


NOTE:
ALL SPRINKLER PIPING SHALL BE SEISMICALLY BRACED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13.

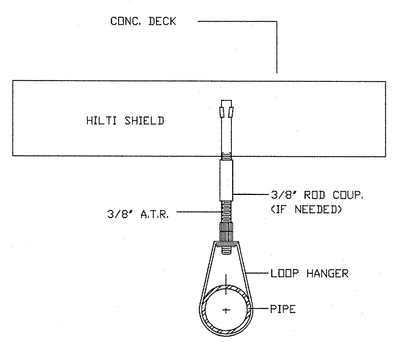
SEISMIC BRACING DETAIL
N.T.S.



CLEVIS HANGER
NOT TO SCALE



TRAPEZE HANGER
N.T.S.



HILTI SHIELD HANGER
NO SCALE

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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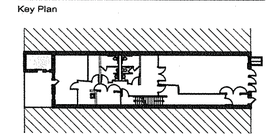
Key Plan



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

Sheet Title
SPRINKLER LEGEND AND RISERS

Sheet Number
SP-001.00

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

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