## SPRINKLER SYSTEM NOTES SHALL CONFORM TO RS 17-2 \$ 27-954. 3. ONLY APPROVED DEVICES SHALL BE USED AS PER 27-958 (A THROUGH F) 1.7 OF RS 172.

- 1. SPRINKLER SYSTEM CONFORMS WITH NFPA #13-1989 AS MODIFIED BY BS \$ A CAL. NO. 310-90 BCR. 2. THE INSTALLATION, COMPONENTS, SIZING, SPACING, CLEARANCES, POSITION & TYPE OF SYSTEMS
- 4. SPRINKLERS SHALL BE PROTECTED AGAINST FREEZING \$ INJURY AS PER 27-966.
- 5. INSPECTIONS & TESTS OF SPRINKLER SYSTEMS SHALL BE CONDUCTED AS PER 27-967 & 27-951
- 6. THE OCCUPANCY OF THE AREAS TO BE SPRINKLERED SHALL BE IN ACCORDANCE WITH CHAPTER.
- 7. WATER SUPPLY TEST PIPES & GAUGES SHALL BE PROVIDED AS PER CHAPTER 2-9 OF RS 17-2
- 8. SPACING, LOCATION & POSITION OF SPRINKLER SHALL BE IN ACCORDANCE WITH CHAPTER 4 OF RS 17-2
- 9. ALL PIPE PASSING THROUGH WALLS SHALL COMPLY WITH 27-343.
- 10. THERE IS NO HIGH PILED STORAGE AS DEFINED IN CHAPTER 4-1.3.10 OF RS 17-2.
- 11. DISTANCE OF SPRINKLERS FROM HEAT SOURCE SHALL BE AS PER TABLE 3-11.6.3(A) OF RS 17-2.
- 12. ALL VALVES SHALL BE INDENTIFIED AS PER CHAPTER 3-9.4 OF RS 17-2.
- 13. DRAINAGE SHALL CONFORM TO CHAPTER 3-6 OF RS 17-2
- 14. FITTINGS SHALL BE PROVIDED AS PER 27-956 AND CHAPTER 3-8 OF RS 17-2.
- 15. VALVES SHALL BE APPROVED TYPE AS PER CHAPTER 3-9 OF RS 17-2.
- 16. PIPE HANGERS TO BE PROVIDED AS PER 27-956 AND CHAPTER 3-10 OF RS 17-2.
- 17. PROVISIONS SHALL BE MADE TO FACILITATE FLUSHING SYSTEM PIPING AS PER CHAPTER 3-32 OF RS 17-2.
- 18. SPRINKLERS SHALL BE AN APPROVED TYPE AS PER CHAPTER 3-1 | OF RS 17-2.
- 19. TEMPERATURE RATING OF SPRINKLERS SHALL COMPLY WITH CHAPTER 3-11.5 OF RS 17-2. 20. MINIMUM CLEARANCE OF 18" BELOW SPRINKLER DEFLECTORS SHALL BE MAINTAINED AS PER CHAPTER 4-25 OF RS 17-2.
- 21. CONCEALED PIPING IS TO BE INSPECTED PRIOR TO BEING COVERED.
- 22. SPRINKLER SYSTEM ALARMS SHALL BE PROVIDED AS PER 27-967 AND CHAPTER 3-12 \$ 3-12.2 OF RA 17-2.
- 23. SPARE SPRINKLER HEADS AND WRENCH TO BE ON PREMISES AS PER CHAPTER 3-11.7 OF RS 17-2.
- 24. SPRINKLER SYSTEM IS DESIGNED IN ACCORDANCE WITH CHAPTER 7 OF RS 17-2.

SPRINKLER DESIGN CRITERIA:

CONTROL

-CHECK VALVE

WITH ABD FROM

CONTROL

"SIGN# 1"

DCDA 🕸 05&Y 1 05&Y

OCCUPANCY CLASSIFICATION: LIGHT HAZARD-CHURCH

"SIGN#3"

TEST VALVE -

NOTE: NFPA 13-2007 SEC.

THE MANUFACTURER.

PRESSURES SHALL BE 7 PSI OR

THE MINIMUM PRESSURE STATED

THE MINIMUM OPERATING SPRINKLER

2" NYC WATER METER

TO DOMESTIC

-3" WATTS DCDA WITH BYPASS METER

SYSTEMS

DESIGN AREA: 957 SQ.FT.

DENSITY: 01 GPM/1500

- 25. SIDEWALL HEAD SPRINKLER HEAD BS \$4 # 375-75-SA.
- 26. ON-OFF SPRINKLER HEAD BS\$A # 375-75-5A
- 27. WATER FLOW ALARM MEA 3 750-76-5A.

"SIGN#2" 24 VOLT FIRE

ALARM BELL INSTALL ON

FRONT WALL

"SIGN#4"

3" SINGLE INLET

CONNECTION 30"

CURB VALVE PER

WATER DEPT.

3" COMBINED SPRINKLER AND WATER SERVICE

FROM CITY MAIN

STANDARDS

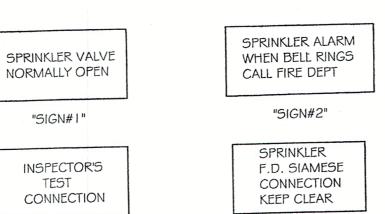
ABOVE GRADE

FIRE DEPT.

SPRINKLER HEADS SHALL BE NYC APPROVED, FM APPROVED, UL LISTED, RELIABLE BS&A NO. 587-75-SA

ALL SPRINKLER PIPING IS SIZED IN ACCORDANCE WITH SECTION 29-0 OF THE NYC BUILDING CODE, PIPE SCHEDULE SIZING METHOD

MAXIMUM DISTANCE BETWEEN HANGERS		
STEEL PIPE SIZE	MAXIMUM DISTANCE	
UPTO 1 1/4"	12 FT.	
1 1/2" AND LARGER	15 FT.	



PROVIDE THESE SIGNS AT LOCATIONS SHOWN ON DRAWINGS

NOTE: SPRINKLER SYSTEM IS DESIGNED BASED ON NFPA -13 2007.

- TO SPRINKLER LAYOUT (TYP)

SEE PLAN @ HS #42-18, 16 & 22

(5 HEADS) LIGHT HAZARD

SEE PLAN @ HS #42-16

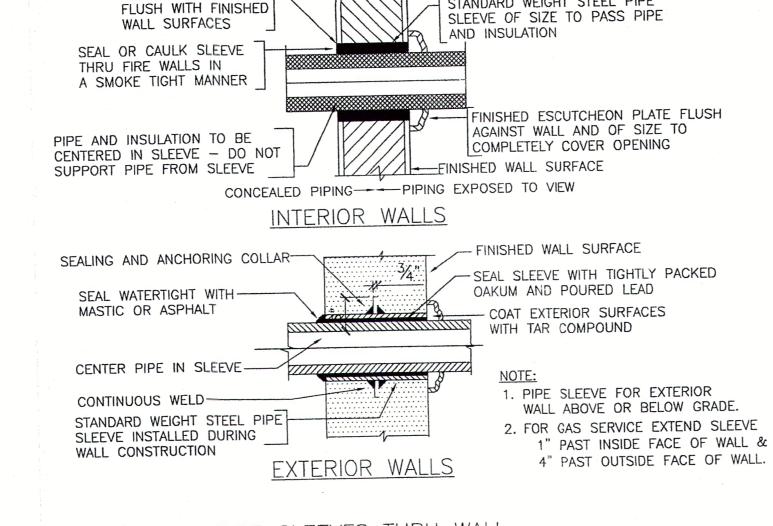
---- FLOOR CONTROL VALVE

ASSEMBLY

(125 HEADS) LIGHT HAZARD

"SIGN#3"

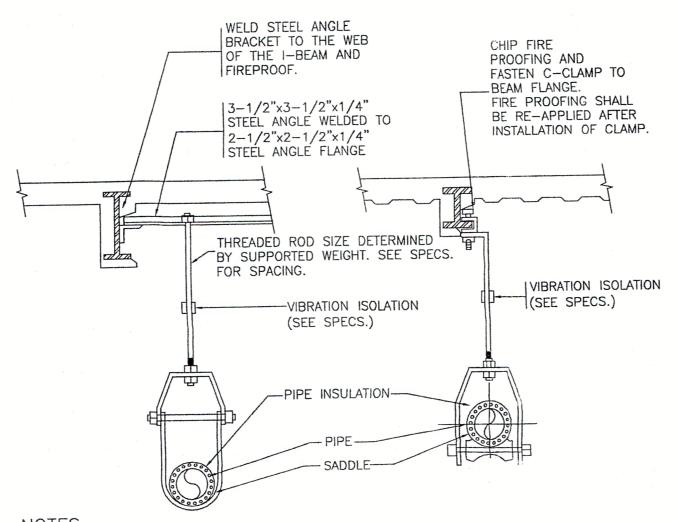
"SIGN#4"



STANDARD WEIGHT STEEL PIPE

TERMINATE SLEEVE

PIPE SLEEVES THRU WALL N.T.S.



## NOTES:

- 1. SHOP DRAWINGS SHALL BE SUBMITTED SHCWING HANGER LAYOUTS AND LOADS OF EACH HANGER. CALCULATIONS FOR HEAVY LOADS (100 LBS. OR GREATER) OR ANY VARIATION IN HANGERS SHALL HAVE THE SUBMITTED DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A N.Y. LICENSED PROFESSIONAL ENGINEER.
- 2. FISHPLATE DETAIL MAXIMUM LOAD 300 LBS.
- 3. STEEL TO STEEL ANGLE DETAIL MAXIMUM LOAD 400 LBS.
- 4. ANCHOR BOLT MAXIMUM LOAD 60 LBS.
- BEAM CLAMP DETAIL MAXIMUM LOAD 300 LBS.
- PROVIDE UNIT PRICE FOR EACH DIFFERENT PIPE SUPPORT DETAIL. TYPICAL PIPE HANGING DETAIL

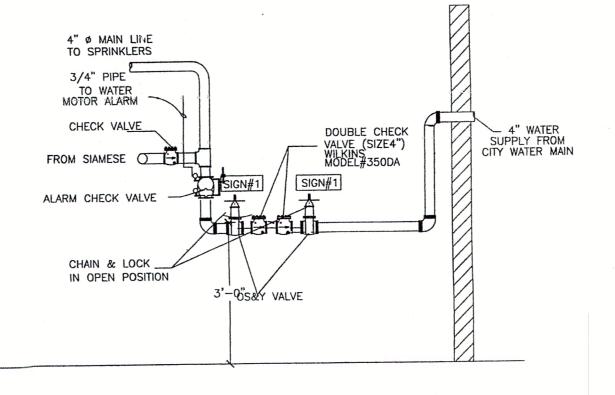
N.T.S.

NOTE: CONFORMANCE ATTESTING TO SUCH FROM THE MANUFACTURER

INFORMATION OR TEST DATA APPLICABLE, SUPPORTING THEY CONFORM

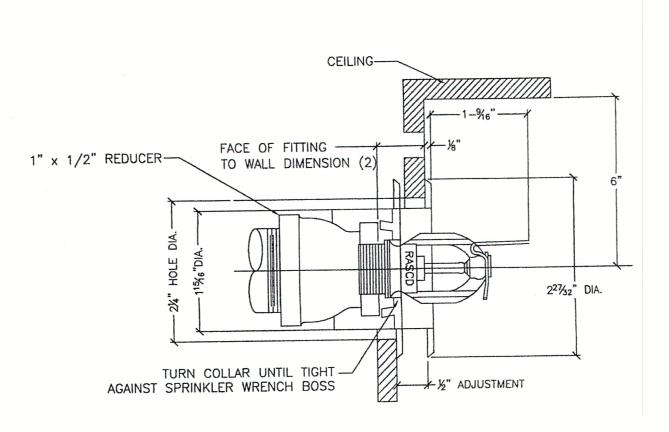
AND WHERE THE TEST STANDARD TO WHICH IDENTIFICATION OF ALL

MATERIALS TO BE USED. AC 28-104.7.8



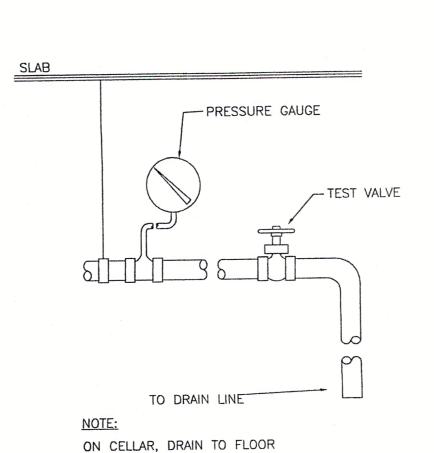
FIRE SERVICE W/BACKFLOW PREVENTER DETAIL NOT TO SCALE

1. LOKATE D.C.D.A. CLOSE TO ENTRY OF FIRE WATER SERVICE AND PROVIDE SUPPORT TO PREVENT LATERAL MOVEMENT. 2. INSTALL D.C.D.A. 18" FROM THE LOWEST PART AND 5'-0" TO THE TOP OF THE DEVICE, AND 8" FROM THE WALL.

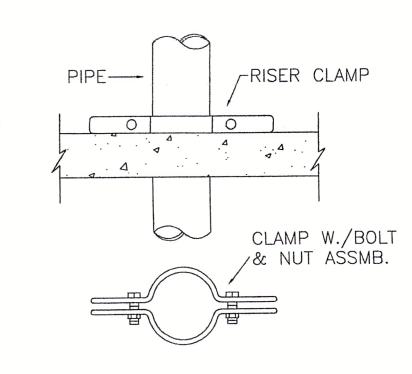


RECESSED HORIZONTAL SIDEWALL SPRINKLER

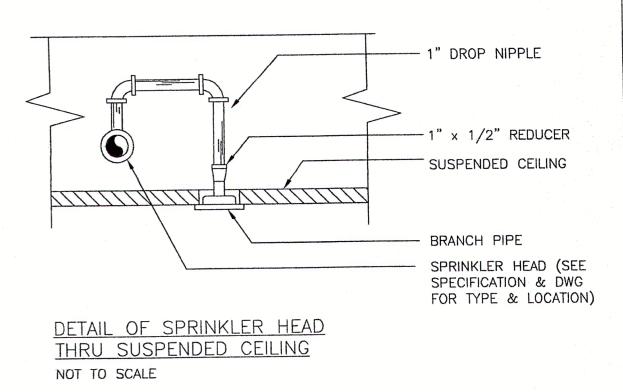
N.T.S.

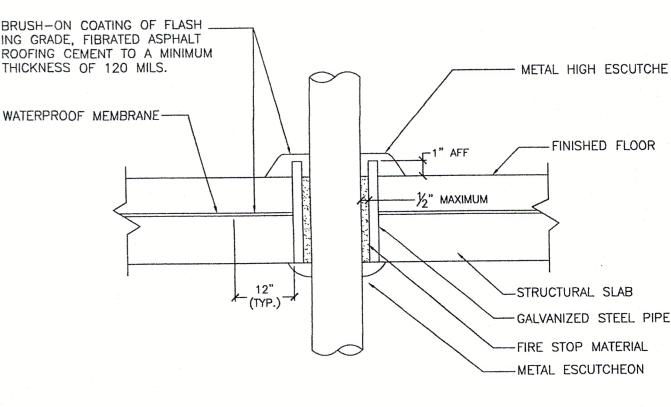


TYPICAL INSPECTOR TEST LINE N.T.S.



SPRINKLER STANDPIPE RISER SUPPORT





PIPE PENETRATION IN WATERPROOF SLAB NOT TO SCALE

> ACCEPTABLE FOR PERMIT UNDER DIRECTIVE NO. 14/75 AUG 0/1 2019 BOUBACARSOW

DOB STAMP:

471 UTICA AVE LOCATION: LOT # \_ 63 459

FLOOR #: MAP# 17B

SCALE: AS NOTED DATE: 8/01/19 DRAWN BY: J.M DRAWING No:

DRAWING TITLE:

FLOW & PRESSURE

(AT BASE OF RISER):

202.4 GPM @ 12.7 PSI

SPRINKLER RISER DIAGRAM

WORK CONTROLLED INSPECTION SCOPE OF WORK NEW FIRE SPRINKLER SYSTEM IN CONJUNCTION WITH ALT I APPLICATION 320548494.

TR I -SPECIAL INSPECTION CATEGORIES SPRINKLER SYSTEM CODE/SECTION: BC 1704.22 FIRE PENETRATIONS CODE/SECTION: BC 1704.27 TRI-PROGRESS INSPECTIONS CATEGORIES

ENERGY CODE COMPLIANCE INSPECTIONS, BC 1 10.3.

THE STATIC PRESSURE TAKEN ON A 8 INCH WATER MAIN WHICH IS

FED FROM TWO DIRECTIONS ON THE EAST SIDE OF UTICA AVEIST

SQUARE INCH. THE RESIDUAL PRESSURE AT THIS POINT WAS 48

POUNDS PER SQUARE INCH WHEN 500 GALLONS OF WATER PER

MINUTE WERE FLOWING FROM THE EAST SIDE OF UTICA AVE 1ST

HYDRANT SOUTH OF EAST NEW YORK AVE. THE HYDRANT FLOW

TEST WAS PERFORMED ON 5/29/2019 AT 9:39 AM.

HYDRANT NORTH OF RUTLAND ROAD WAS 49 POUNDS PER

**EXISTING STRUCTURE** ---- PROPERTY LINE EXISTING WALL

LEGEND

H G LEE ARCHITECTP.C

DESIGN \* ENGINEERING \* INTERIORS CONSTRUCTION SUPERVISION 34-16 149TH STREET, FLUSHING, NY 11354 TEL: (718)461-9100 FAX: (718)460-0843

ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY WORK FROM APPROVED PLANS THE CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FOR ANY CHANGES FROM ARCHITECT BEFORE COMMENCING SUCH WORK

BLOCK # C8-2 ZONE #

NOTES, SIGNS, SPRINKLER RISER DIAGRAM, DETAILS

SP-004.00 SHEET No. 4 of 5