

CROSS CONC  
599 WEST HART  
WHITE PLAIN

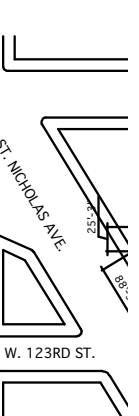
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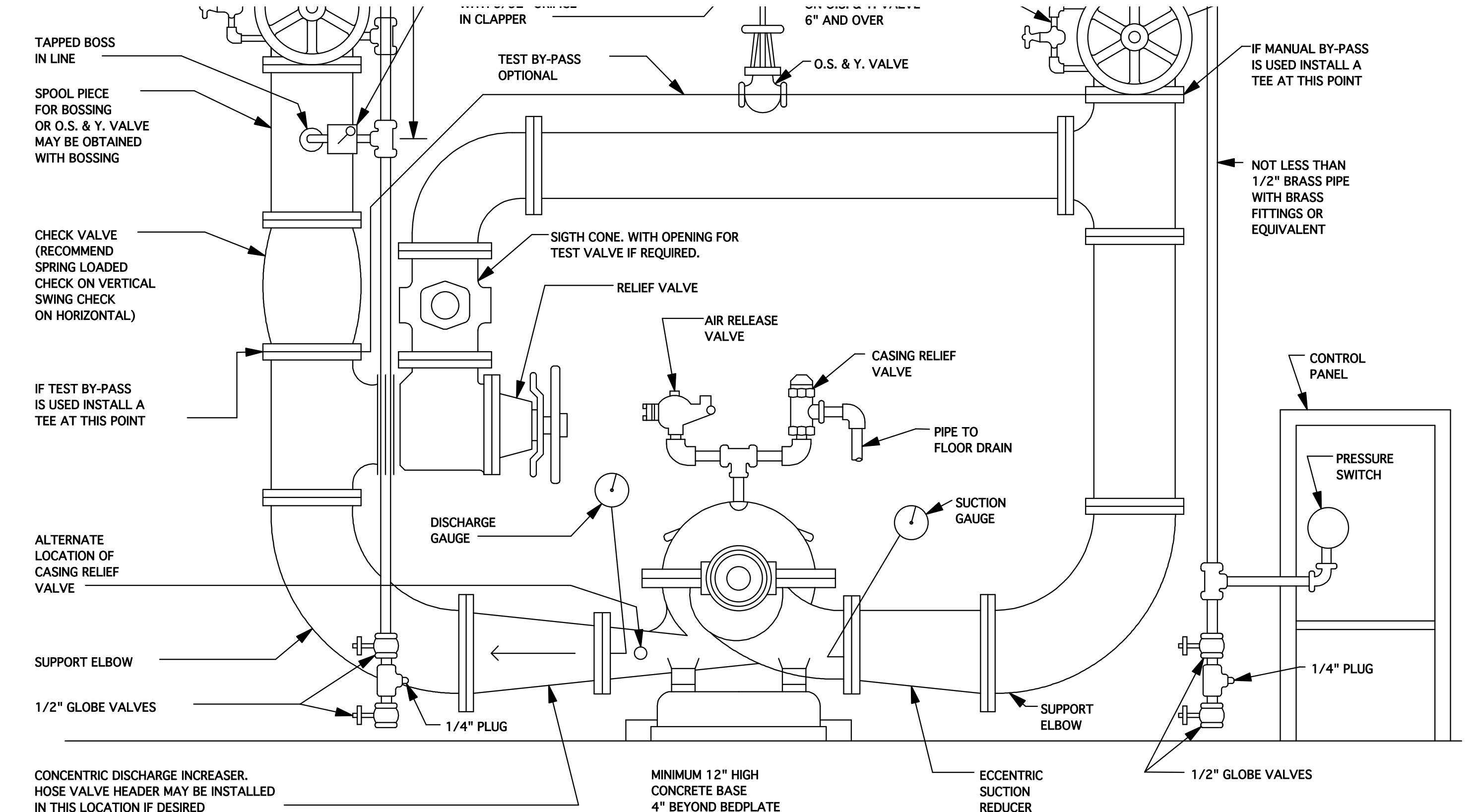
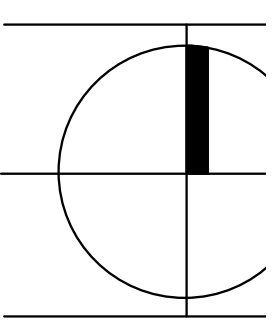
**CONSTR**  
CROSS  
599 WEST HART  
WHITE P  
TEL ( )  
FAX ( )



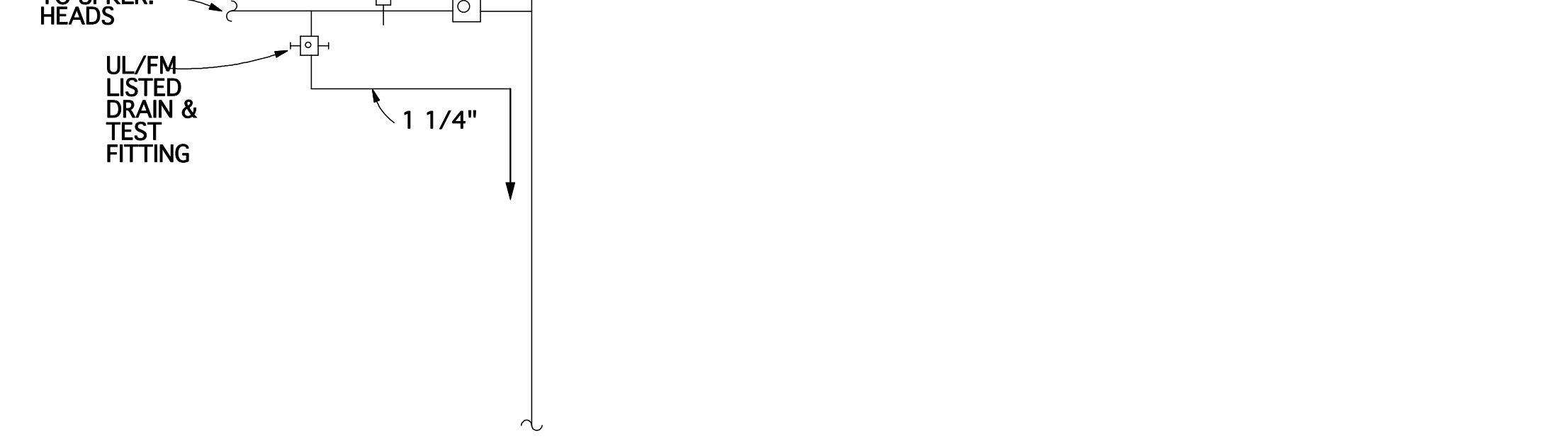
KEY PLAN

REVISIONS:  
No. DATE

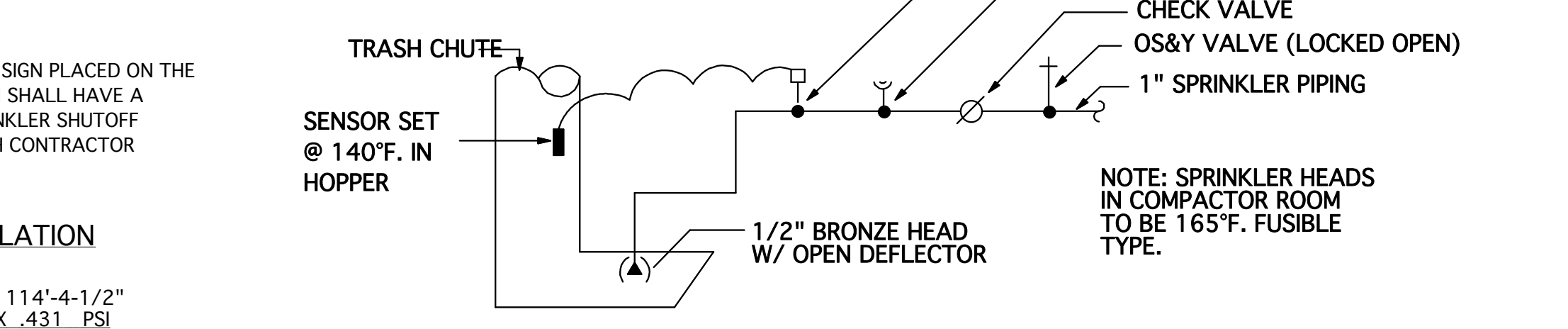
No.	DATE



SUGGESTED METHOD FOR PIPING FIRE BOOSTER PUMP IN NEW YORK CITY NOT TO SCALE



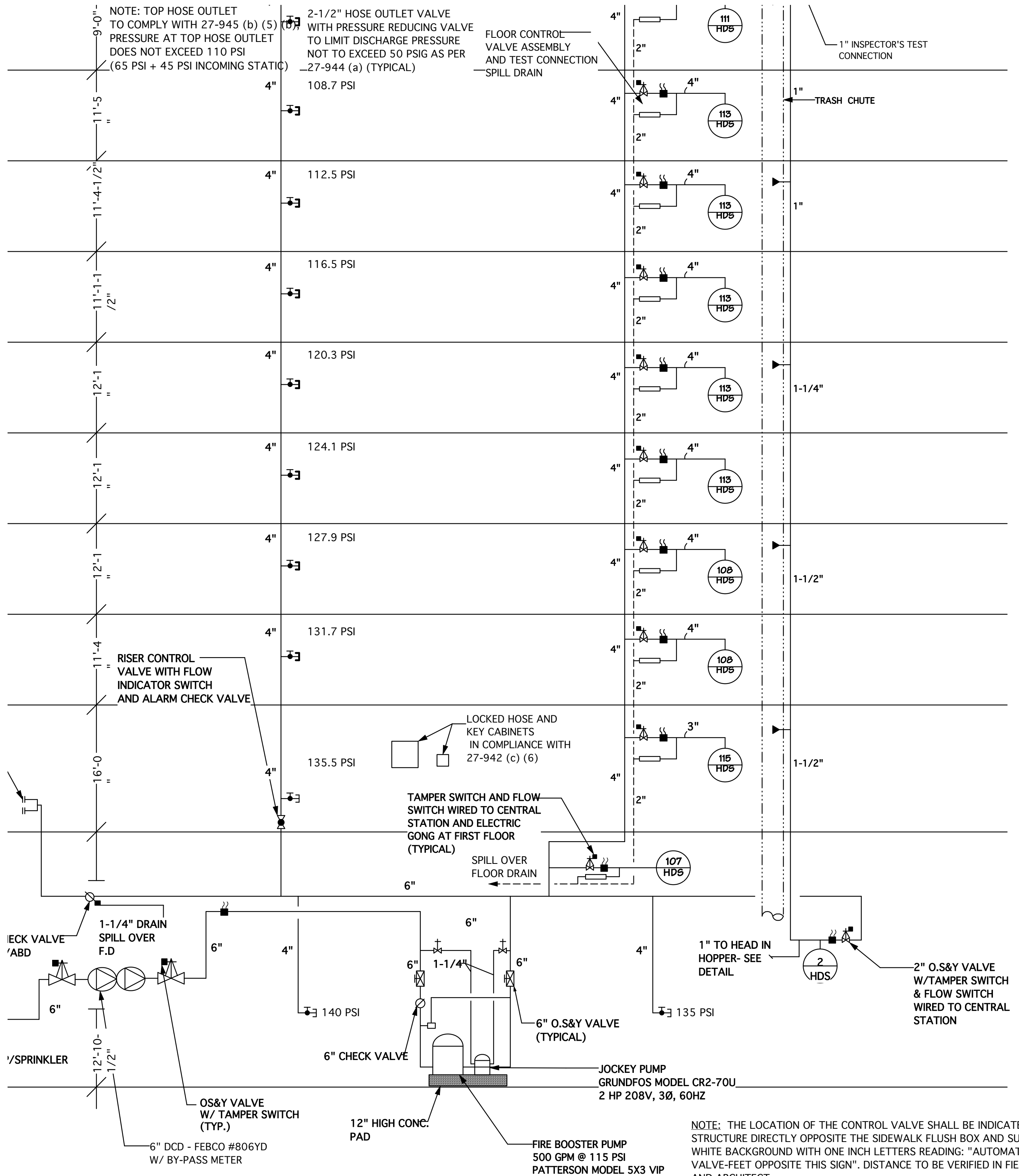
FLOOR CONTROL VALVE & TEST CONNECTION DETAIL NOT TO SCALE



DETAIL OF SPRINKLER HEAD IN COMPACTOR HOPPER NOT TO SCALE



- Sprinkler Notes**
- 1. The installation, components, sizing, spacing, location, clearances, position and type of systems shall conform to RS 17-2 and Article 4.
- 2. As per paragraph 27-958 only approved materials will be used.
- 10. Sprinkler alarm will be in accordance with chapter 3-17 of RS 17-2 .
- 11. Spacing, location and position of sprinklers will be in accordance with chapter 4 of RS 17-2.
- 12. All blind spaces exceeding 6 inches in width or depth which contain combustible material will be sprinklered.
- 13. All pipe passing through walls will comply with paragraph Sec. 27-375 (j).
- 14. There is no piled high storage, defined in chapter 4-1.3.8 of RS 17-2.
- 15. Distance of sprinklers from heat sources shall be in accordance with table 3-16.6.4 (A).
- 16. Automatic interlock cutoff switch for ventilation will conform to paragraph 1005 of RS 13-1 (applicable only if there is an air system utilizing recirculated air and requiring a thermostatic device).
- 17. As per paragraph 27-963 provide Department of Water Supply letter with flow test data.
- 18. All pipes passing through foundation walls to be protected as provided by section P101.1 of RS 16.
- 19. This application is not filed as result of actions by the Fire Commissioner as authorized by the B.S. & A. to modify the certificate of occupancy nor is such action pending.
- 20. All valves shall be identified as required by RS 17-2 chapter 3-14.3.



STANDPIPE RISER DIAGRAM

NOTE:  
FIRE BOOSTER PUMP ELECTRIC SERVICE TO COMPLY WITH 27-945 (b) (5) (c)  
NOTE:  
FIRE /SPRINKLER BOOSTER PUMP TO COMPLY WITH THE REQUIREMENTS OF SECTION 27-946

SPRINKLER CALCULATION

HEIGHT TO HIGHEST SPRINKLER HEAD	128'-4-1/2"
X .431 PSI	55.33 PSI
REQUIRED AT TOP SPRINKLER HEAD	+ 15 PSI
	70.33 PSI
AVAILABLE =	42 PSI

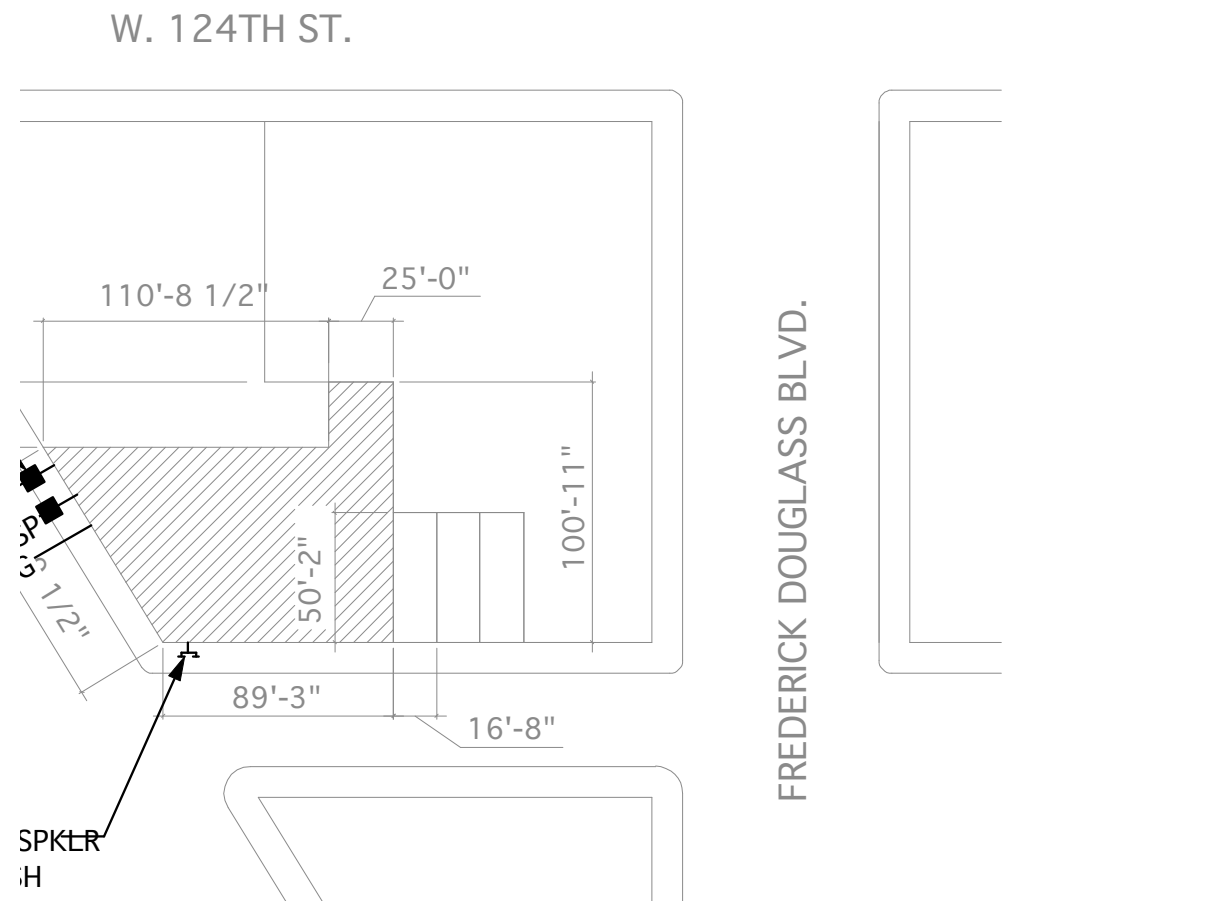
FIRESTANDPIPE CALCULATION

HEIGHT TO HIGHEST HOSE RACK	114'-4-1/2"
X .431 PSI	49.30 PSI
REQUIRED AT TOP HOSE RACK	+ 15 PSI
	64.30 PSI
AVAILABLE =	42 PSI

\* NOT ACCEPTABLE AS PER 27-963 PROVIDE BOOSTER PUMP

Fire Standpipe Notes

- 1. Siamese shall be 3" x 3" x " flush connection of free standing or approved type with separate clapper and chain as per RS 17-1-2.
- 2. Siamese shall be located 18" to 36" above final grade and be provided metal "STANDPIPE" sign as per RS 17 1-2 (b) and (c).
- 3. Siamese shall have approved type 3/4" automatic ball drip set in a horizontal position, RS 17-1-2 (e).
- 4. Hose shall be "flex-line" unfired linen hose coupled in 25 and 50 foot lengths, 27-942 (c).
- 5. Hose valves shall be approved type 2-1/2" angle globe valve located not more than 6 feet and not less than 5 feet above floor or stair landing, 27-942 (a) and RS 17-1-3.
- 6. Hose racks shall be approved type, RS 17-1-3 (h).
- 7. Couplings and nozzles shall be approved type, RS 17-1-3 (f) and (g).
- 8. Approved 3-way manifold will be located above roof. If area is not heated a control valve and automatic ball drip in heated space below will be provided, 27-942 (a) (2).
- 9. Pipe and fittings for Standpipe will be according to RS 17-1-1 All pipe and fittings as approved by Board of Standards and Appeals.
- 10. Supports will comply with RS 17-1-1.
- 11. Tests shall comply with 27-951.
- 12. Frost protection to be provided as per 27-936.
- 13. Riser location shall comply with 27-936.
- 14. Install riser control valves as per RS 17-1-1 (c) (3).
- 15. Combined house and fire tank if required, shall be installed at least 25'-0" above the highest hose outlet, 27 945 (b) (3).
- 16. Fire pump is required, shall be installed as per 27-946, 947, 951 and RS 16-1-5.
- 17. Electrical equipment used in conjunction with the standpipe system shall comply with RS 17-3.
- 18. All devices used shall bear manufacturer's name and number of approval as per 27-939.
- 19. Control valves shall be indicated by signs and arrows; valves greater than 7'-0" above floor as per RS 17-1-1 (c) (3) and (7) will be made accessible by means of approved type locks, RS 16-1-1 (c) (9).
- 20. Valves shall be sealed open by means of heavy chain and approved type locks, RS 16-1-1 (c) (9).
- 21. An elevator shall be maintained at all times for Fire Department use 27-989 and RS 167-1 and Division of Fire Prevention.
- 22. All branch line to hose racks shall be in accordance with RS 17-1-3 (c) (1). 2-1/2" branch lines shall not exceed 4 feet.
- 23. The roof tank is filled by automatic pump at a rate of not less than 65 GPM, RS 17-1-4 (c) (1).



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