

FIRE PROTECTION LEGEND

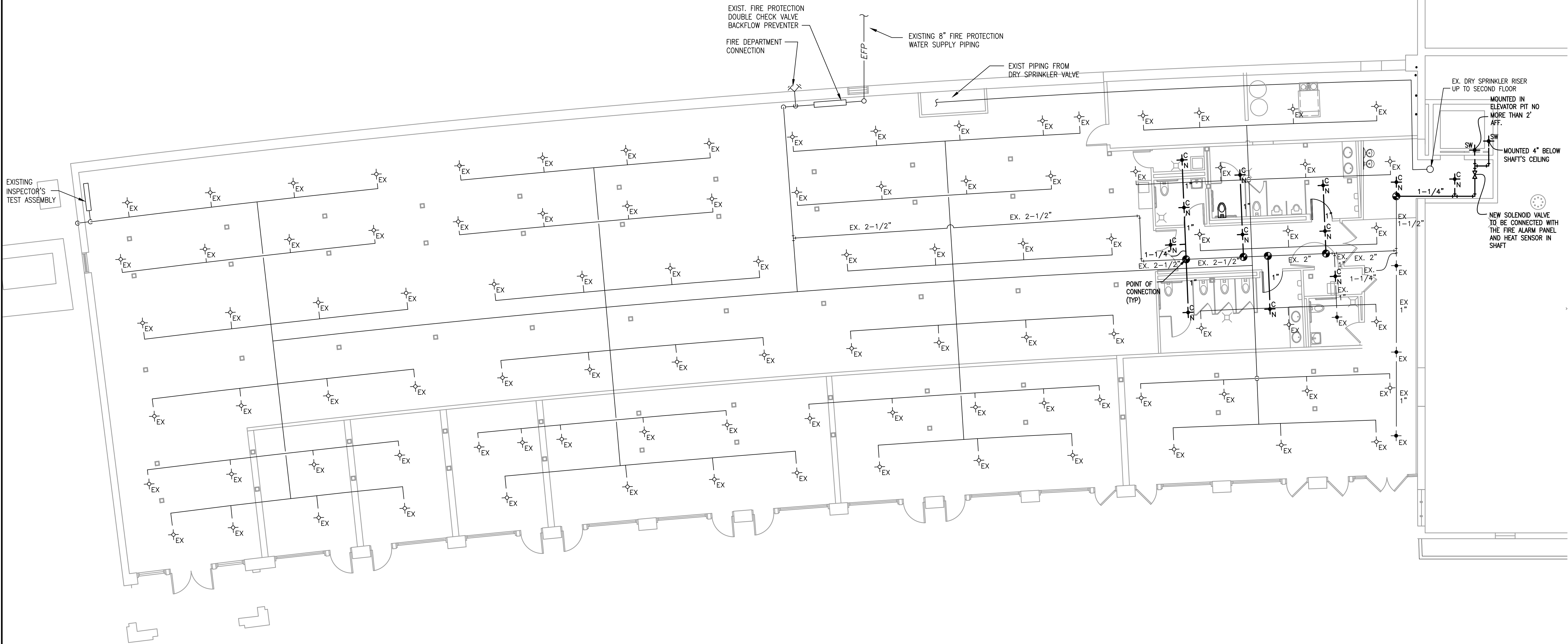
- NEW CONCEALED FIRE SPRINKLER HEAD
- NEW SIDEWALL FIRE SPRINKLER HEAD
- EXISTING UPRIGHT FIRE SPRINKLER HEAD
- EXISTING CONCEALED FIRE SPRINKLER HEAD
- EXISTING SPRINKLER PIPING
- NEW SPRINKLER PIPING
- POINT OF CONNECTION TO EXISTING PIPING

GENERAL NOTES

- REFER TO SPRINKLER SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR PIPING AND HANGERS.
- SPRINKLER PIPE AND FITTINGS SHALL BE SO INSTALLED THAT THE SYSTEM MAY BE DRAINED TO THE EXISTING DRAIN VALVE.
- HANGER ASSEMBLIES AND COMPONENTS SHALL BE LISTED. PROVIDE RETAINING STRAPS WHEN INSTALLING BEAM CLAMPS OR CLAMPS.
- THE UNSUPPORTED LENGTH BETWEEN THE END SPRINKLER AND THE LAST HANGER SHALL NOT EXCEED 36 INCHES.
- THE LENGTH OF AN UNSUPPORTED ARMOVER SHALL NOT EXCEED 24 INCHES.
- ALL NEW SPRINKLERS ADDED AS PART OF THIS WORK SHALL BE IDENTICAL TO THOSE INSTALLED.

LIGHT HAZARD PIPE SCHEDULE			
PIPE SIZE	STEEL PIPE MAX # HEADS	HANGER/SPACING	
1"	2	7' STEEL	6' COPPER
1 1/4"	3	7' STEEL	6' COPPER
1 1/2"	5	10' STEEL	8' COPPER
2"	10	11' STEEL	9' COPPER
2 1/2"	30	10' STEEL	8' COPPER
3"	60	12' STEEL	10' COPPER
3 1/2"	100	12' STEEL	10' COPPER

THIS TABLE COMPILED FROM NFPA-13 9.2.2.1(a) AND 22.5.2.2.1



1 FIRE PROTECTION PLAN OF BATH HOUSE LEVEL - SOUTH EVENT SPACE
FP101 SCALE: 1/8" = 1'-0"

PROJECT NORTH

**D&B ENGINEERS
AND
ARCHITECTS, P.C.**
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WHITE PLAINS, NY,
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(914)467-5300

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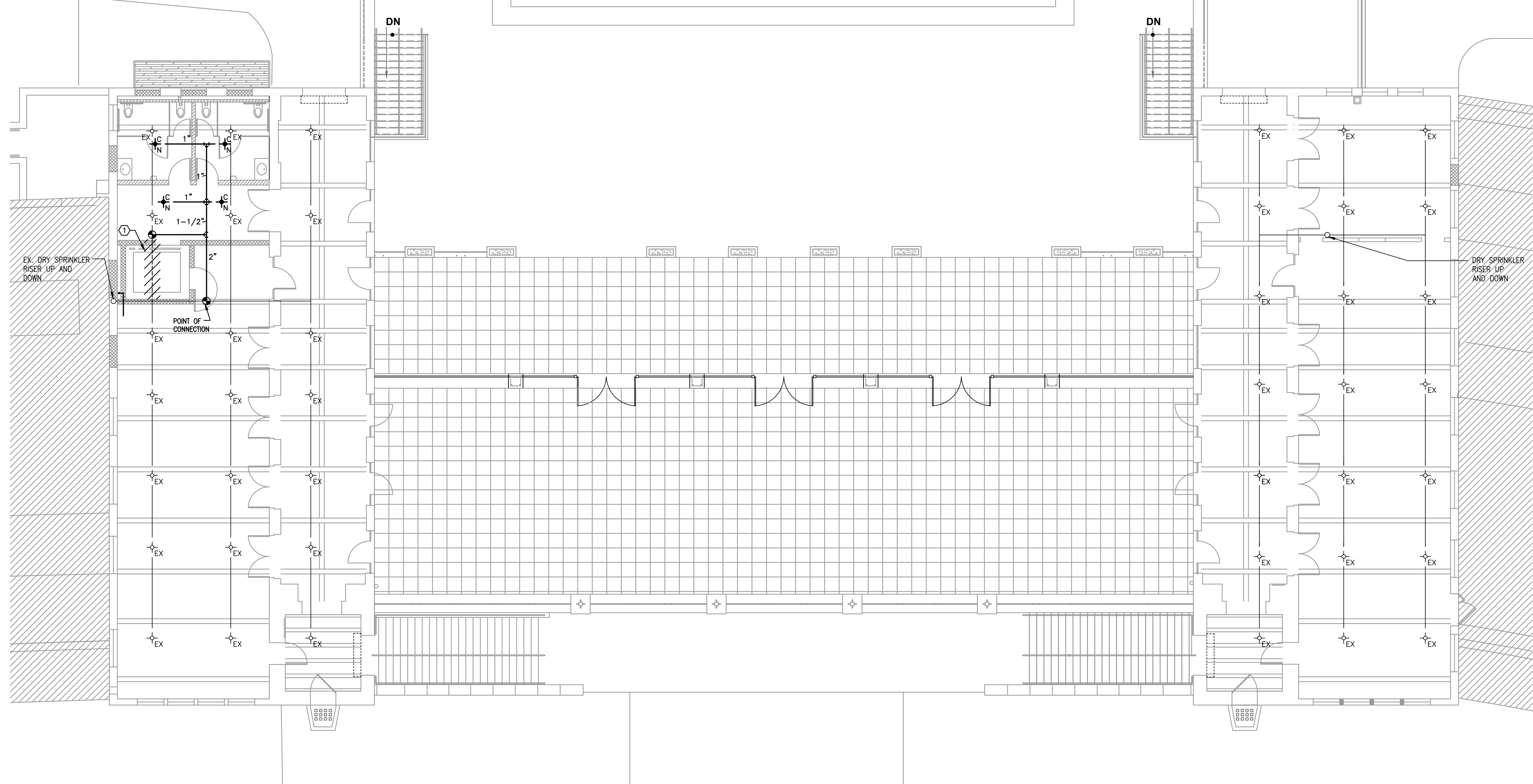
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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION			
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CONTRACTOR		PROJECT COORDINATOR	
NAME		NAME	
SIGNATURE		SIGNATURE	
TITLE		TITLE	

WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 20-504	SHEET NUMBER FP-101
REHABILITATION OF POOL AND BATHHOUSE PLAYLAND PARK, RYE, NEW YORK FIRE PROTECTION PLAN SOUTH EVENT SPACE		SHEET NO. 134 OF 201	
SCALE: AS NOTED DATE: NOVEMBER 10, 2020 DPW FILE NO.		1-19-FS-491	REV. NO. 0



FIRE PROTECTION LEGEND

- NEW CONCEALED FIRE SPRINKLER HEAD
- NEW SIDEWALL FIRE SPRINKLER HEAD
- EXISTING UPRIGHT FIRE SPRINKLER HEAD
- EXISTING SPRINKLER PIPING
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- POINT OF CONNECTION TO EXISTING PIPING

GENERAL NOTES

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LIGHT HAZARD PIPE SCHEDULE			
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THIS TABLE COMPILED FROM NFPA-13 9.2.2.1(a) AND 22.5.2.2.1

1 FIRE PROTECTION PLAN OF BATH HOUSE LEVEL
FP102 SCALE: 1/8" = 1'-0"

SHEET NOTES

- CONTRACTOR TO REMOVE EXISTING EXPOSED SPRINKLER PIPING AT LOCATION OF NEW ELEVATOR SHAFT AND REROUTE AROUND SHAFT.



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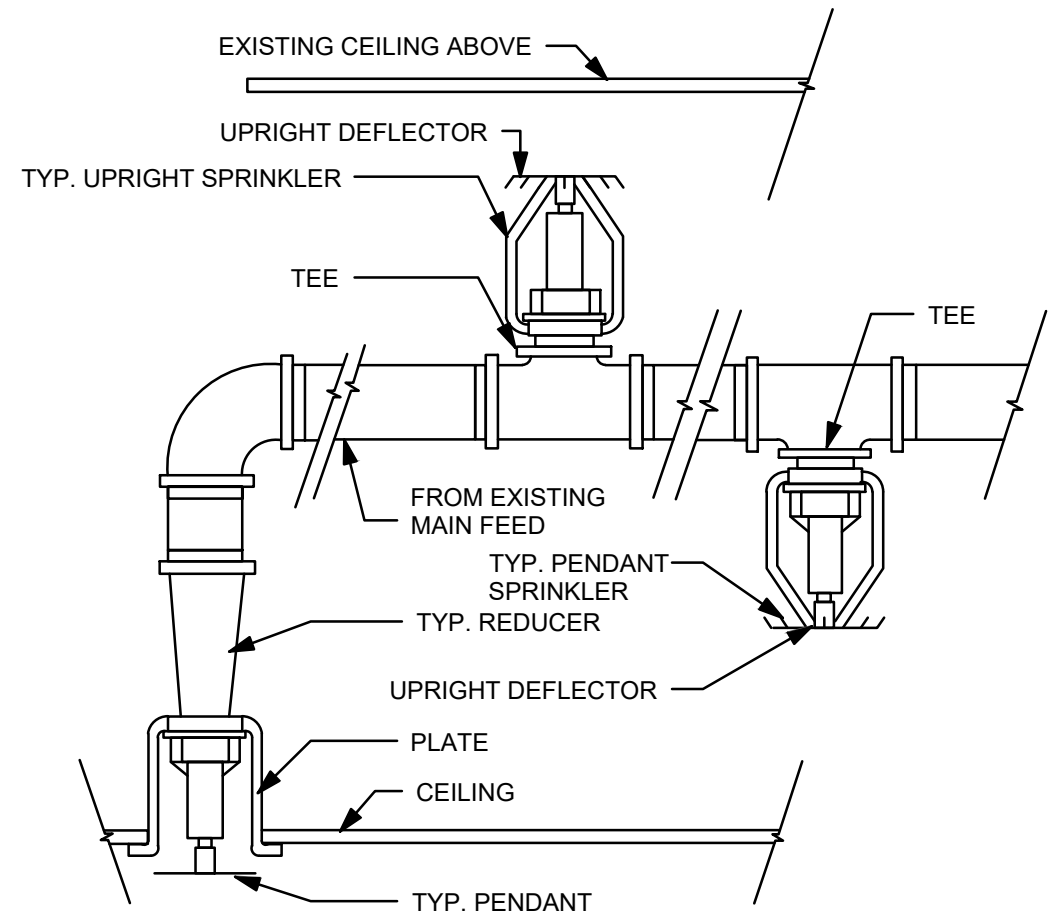
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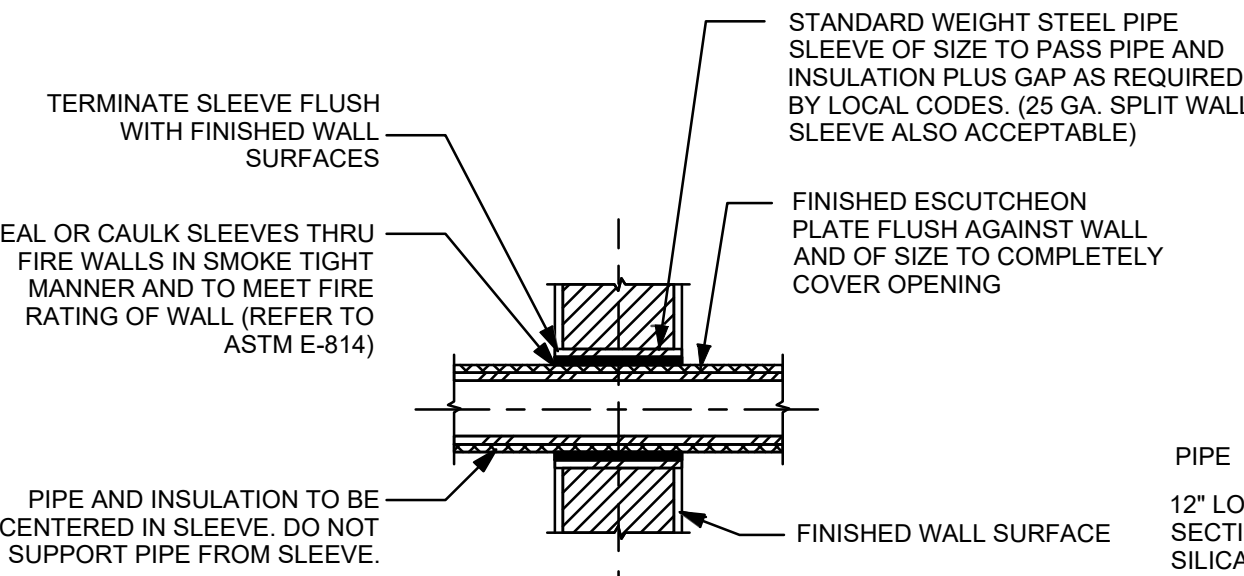
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WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION DIVISION OF ENGINEERING		CONTRACT NUMBER 20-504	SHEET NUMBER FP-102
REHABILITATION OF POOL AND BATHHOUSE PLAYLAND PARK, RYE, NEW YORK FIRE PROTECTION PLAN POOL DECK LEVEL		SHEET NO. 135 OF 201	
		SCALE: AS NOTED DATE: NOVEMBER 10, 2020 DPW FILE NO.	REV. NO. 0
		1-19-FS-492	

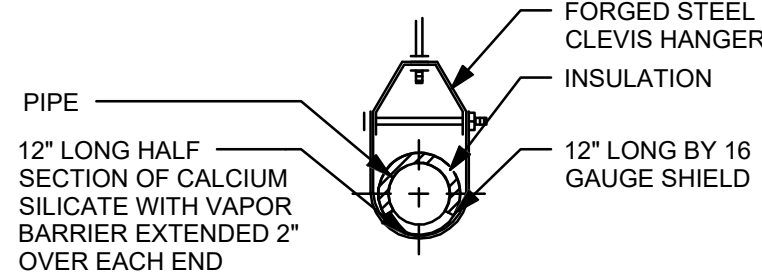


1 SPRINKLER DETAILS
SCALE: NO SCALE



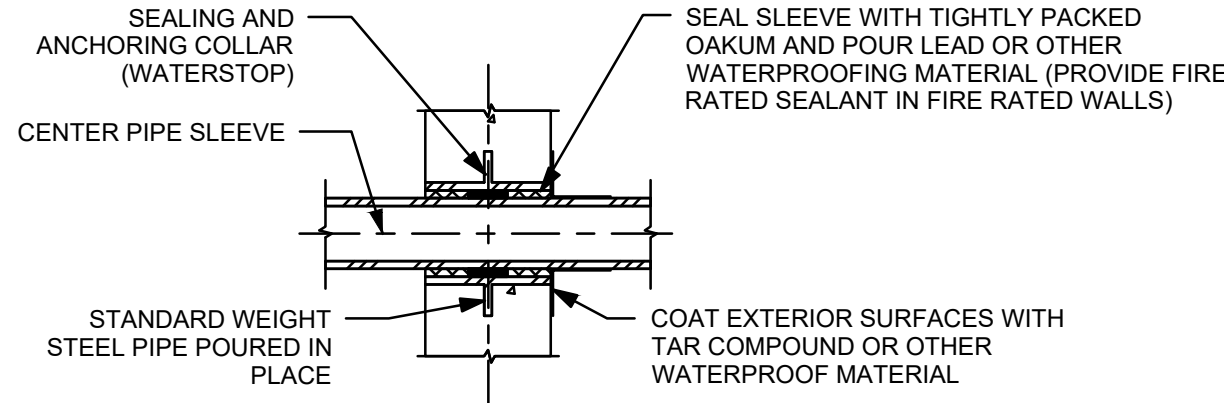
NOTE: PROVIDE FOR ALL MASONRY WALLS AND FIRE RATED WALLS
* UL SYSTEM NO. 147 FIRESTOP CONFIGURATION A.

2 PIPE SLEEVE INTERIOR WALLS
SCALE: NO SCALE

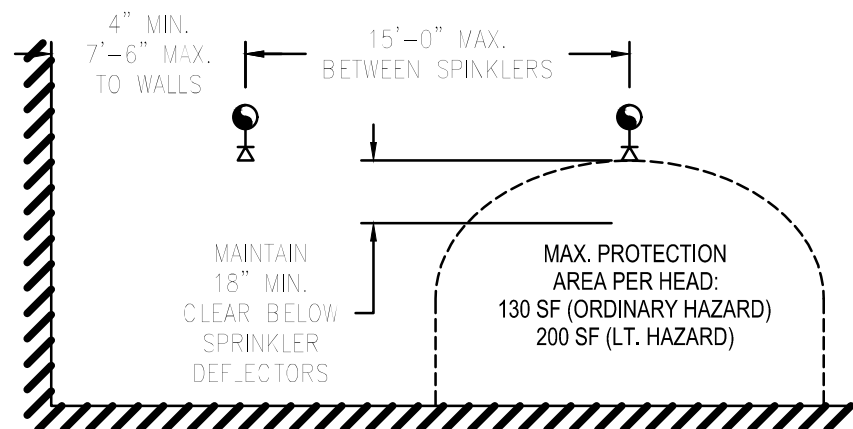


NOTE:
1. PROVIDE SEISMIC DIAGONAL BRACING AS REQUIRED
2. FLOOR PENETRATION SIMILAR

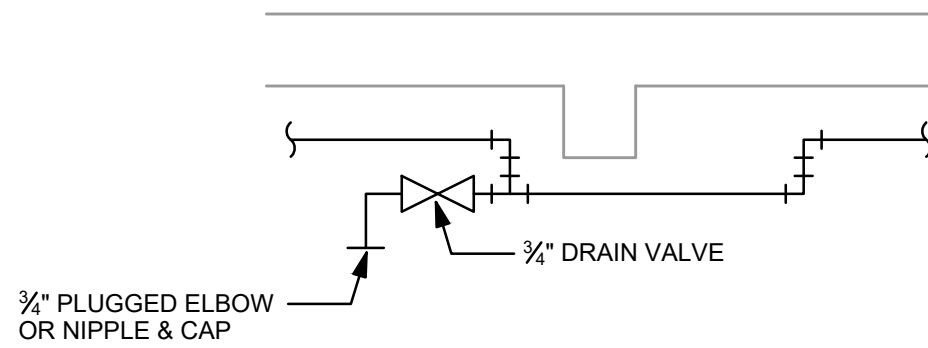
3 PIPE HANGING DETAIL
SCALE: NO SCALE



* UL SYSTEM NO. 147 FIRESTOP CONFIGURATION B
4 PIPE SLEEVE EXTERIOR WALLS
SCALE: NO SCALE



5 SPRINKLER SPACING
SCALE: NO SCALE



6 TYP. DRAIN CONNECTION FOR TRAPPED LINES
ON WET PIPE SPRINKLER SYSTEMS
SCALE: NO SCALE

- SPRINKLER NOTES:**
1. THE SPRINKLER SYSTEM SHALL BE DESIGNED TO CONFORM WITH NFPA-13 CODES (LATEST EDITION).
 2. THE SYSTEM SHALL BE DESIGNED TO CONFORM TO ALL LIGHT HAZARD CLASSIFICATIONS AS DEFINED BY NFPA-13, SECTION 2-1.2.2.
 3. ONLY NEW INTERMEDIATE-TEMPERATURE CLASSIFICATION SPRINKLERS SHALL BE USED THROUGHOUT THE INSTALLATION. SPRINKLERS SHALL CONFORM TO NFPA-13 SECTION 3.2. A STOCK OF SPRINKLER AND SPECIAL SPRINKLER WRENCH SHALL BE SUPPLIED AS PER SECTION 3.2.9 OF NFPA-13.
 4. UPRIGHT SPRINKLERS SHALL BE INSTALLED WITH FRAME ARMS PARALLEL TO THE BRANCH LINE.
 5. THE SPRINKLERS SHALL BE PROTECTED AGAINST FREEZING AND INJURY AS PER NFPA-13 SECTION 5-14.3.
 6. SPRINKLERS SHALL BE LOCATED, SPACED AND POSITIONED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 5-5 OF NFPA-13.
 7. THE PROTECTION AREA OF COVERAGE PER SPRINKLER SHALL BE DETERMINED IN ACCORDANCE WITH SECTION 5-5.2.1 OF NFPA-13.
 8. THE MAXIMUM DISTANCE BETWEEN SPRINKLERS SHALL COMPLY WITH TABLES 5-6.2.2 (a) THRU (d) OF NFPA-13.
 9. SPRINKLERS SHALL BE INSTALLED IN ACCORDANCE WITH THEIR LISTING.
 10. DISTANCE TO ROOF DECK CANNOT EXCEED 22 INCHES AND DEFLECTOR MUST BE WITHIN 1 INCH TO 6 INCHES OF THE STRUCTURAL MEMBER.
 11. SPRINKLERS SHALL BE LOCATED SO AS TO MINIMIZE OBSTRUCTIONS TO DISCHARGE AS DEFINED BY SECTION 5-6.5.2 AND 5-6.5.3 OF NFPA-13. CONTRACTOR TO ALLOW IN HIS BID TO PROVIDE AN ADDITIONAL 16 HEADS AND ASSOCIATED PIPING TO ENSURE ADEQUATE COVERAGE OF THE HAZARD DUE TO OBSTRUCTIONS.
 12. THE SPRINKLER SYSTEM SHALL BE DESIGNED AND ARRANGED FOR FLUSHING PER NFPA-13 SECTION 5-13.17.
 13. SPRINKLER SYSTEM SHOULD BE ABLE TO BE ISOLATED SO THAT THE ENTIRE SYSTEM IS NOT IMPAIRED. FLOOR OR ZONE CONTROL VALVES ARE TO BE USED.
 14. INSTALLATIONS OF ALL PIPE, FITTINGS AND ASSOCIATED EQUIPMENT ARE TO CONFORM TO NFPA-13 SECTION 5-14 AND CONFORM TO SECTION 3-3.
 15. THE SPRINKLER SYSTEM SHALL BE PROVIDED WITH A LISTED INDICATING VALVE IN AN ACCESSIBLE LOCATION, SO LOCATED AS TO CONTROL ALL AUTOMATIC SOURCES OF WATER SUPPLY.
 16. IDENTIFICATION SIGNS ARE TO BE PROVIDED AT EACH VALVE TO INDICATE ITS FUNCTION AND WHAT IT CONTROLS.
 17. TWO VALVE WRENCHES ARE TO BE PROVIDED. COORDINATE STORAGE LOCATION WITH OWNER.
 18. LOCATION OF VALVE AND WRENCHES TO BE CLEARLY MARKED IN MECHANICAL ROOM.
 19. ALL SYSTEM PIPING AND FITTINGS SHALL BE SO INSTALLED THAT THE SYSTEM CAN BE DRAINED. ALL PIPING IS TO BE ARRANGED TO DRAIN TO THE MAIN DRAIN VALVE.
 20. WATERFLOW ALARMS SHALL BE PROVIDED ON THE SPRINKLER SYSTEMS.
 21. THE CONTRACTOR SHALL TIE FLOW SWITCHES INTO THE FIRE ALARM CONTROL PANEL.
 22. HOSE CONNECTIONS FOR FIRE DEPARTMENT USE TO CONFORM TO NFPA-13 SECTION 5-15.5.2. COORDINATE WITH LOCAL FIRE DEPARTMENT.
 23. HANGERS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 6-1 OF NFPA-13. SET SCREWS SHALL NOT BE USED.
 24. RISERS SHALL BE SUPPORTED BY PIPE CLAMPS AS SPECIFIED IN SECTION 6-2.4.5 OF NFPA-13.
 25. ALL TEES, PLUGS, CAPS, BENDS, REDUCERS, VALVES, PIPING TO BE RESTRAINED BY THE USE OF THRUST BLOCKS AS SPECIFIED IN NFPA-13 SECTION 6-3.1 THRU 6-3.3.5.
 26. MINIMUM WATER SUPPLY REQUIREMENTS FOR HYDRAULICALLY DESIGNED OCCUPANCY HAZARD FIRE CONTROL SPRINKLER SYSTEM SHALL BE DETERMINED BY ADDING THE HOSE STREAM DEMAND FOR TABLE 7-2.3.1.1 TO THE WATER SUPPLY FOR SPRINKLER DETERMINED IN 7-2.3.1.2. THIS SHALL BE AVAILABLE FOR THE MINIMUM DURATION SPECIFIED IN TABLE 7-2.3.1.1 OF NFPA-13.
 27. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS, SIGNED AND SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER, AND SUBMIT FOR APPROVAL OF THE LOCAL FIRE DEPARTMENT, INSURANCE CARRIER, LOCAL BUILDING DEPARTMENT AND ALL AUTHORIZATION HAVING JURISDICTION.
 28. NO WORK CAN COMMENCE UNTIL ALL APPROVALS ARE IN PLACE.
 29. CONTRACTORS SHALL DO THE FOLLOWING AND SUPPLY ALL REQUIRED DOCUMENTS PRIOR TO ACCEPTANCE BY THE OWNER. NOTIFY THE AHJ AND OWNER'S REPRESENTATIVE OF THE TIME AND DATE TESTING WILL BE PERFORMED. PERFORM ALL REQUIRED ACCEPTANCE TESTS PER SECTION 10-2 OF NFPA-13. COMPLETE AND SIGN THE APPROPRIATE CONTRACTOR'S MATERIAL AND TEST CERTIFICATES. CONSTRUCTION MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING ALL REQUIRED FORMS FOR WESTCHESTER COUNTY, TOWN OF RYE, AND ANY ADDITIONAL FORMS REQUIRED BY THE LOCAL AHJ, BUILDING DEPARTMENT AND INSURANCE CARRIER.

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☐ AS BUILT - NO CHANGES

CONTRACTOR

NAME _____
SIGNATURE _____
TITLE _____ DATE _____

PROJECT COORDINATOR

NAME _____
SIGNATURE _____
TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION
DIVISION OF ENGINEERING

REHABILITATION OF POOL AND BATHHOUSE
PLAYLAND PARK, RYE, NEW YORK
**FIRE PROTECTION
NOTES & DETAILS**

CONTRACT
NUMBER
20-504

SHEET
NUMBER
FP-500

SHEET NO. 136 OF 201

SCALE: AS NOTED
DATE: **NOVEMBER 10, 2020**

DPW FILE NO.

1-19-FS-493

REV.
NO.

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