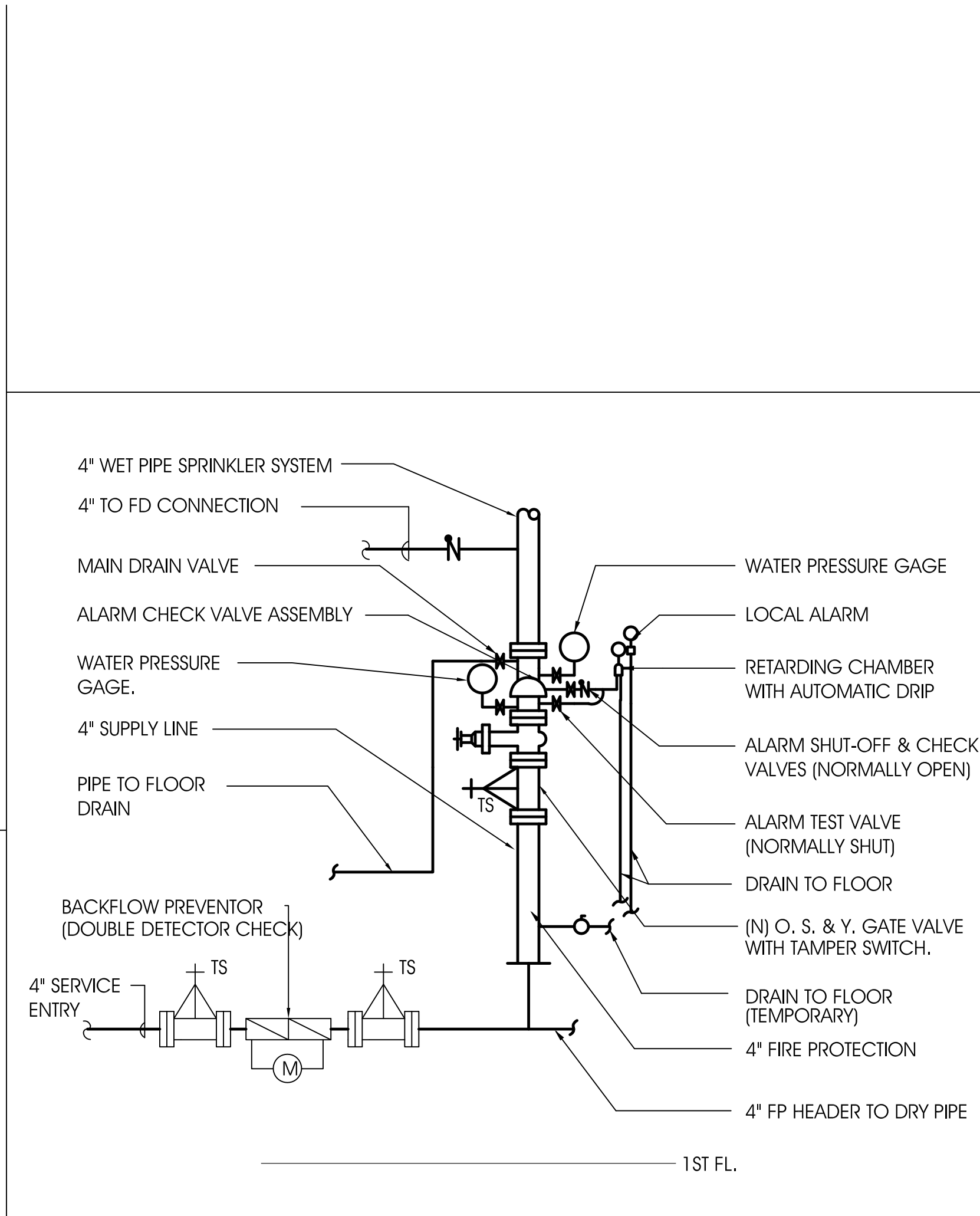


NOTES:

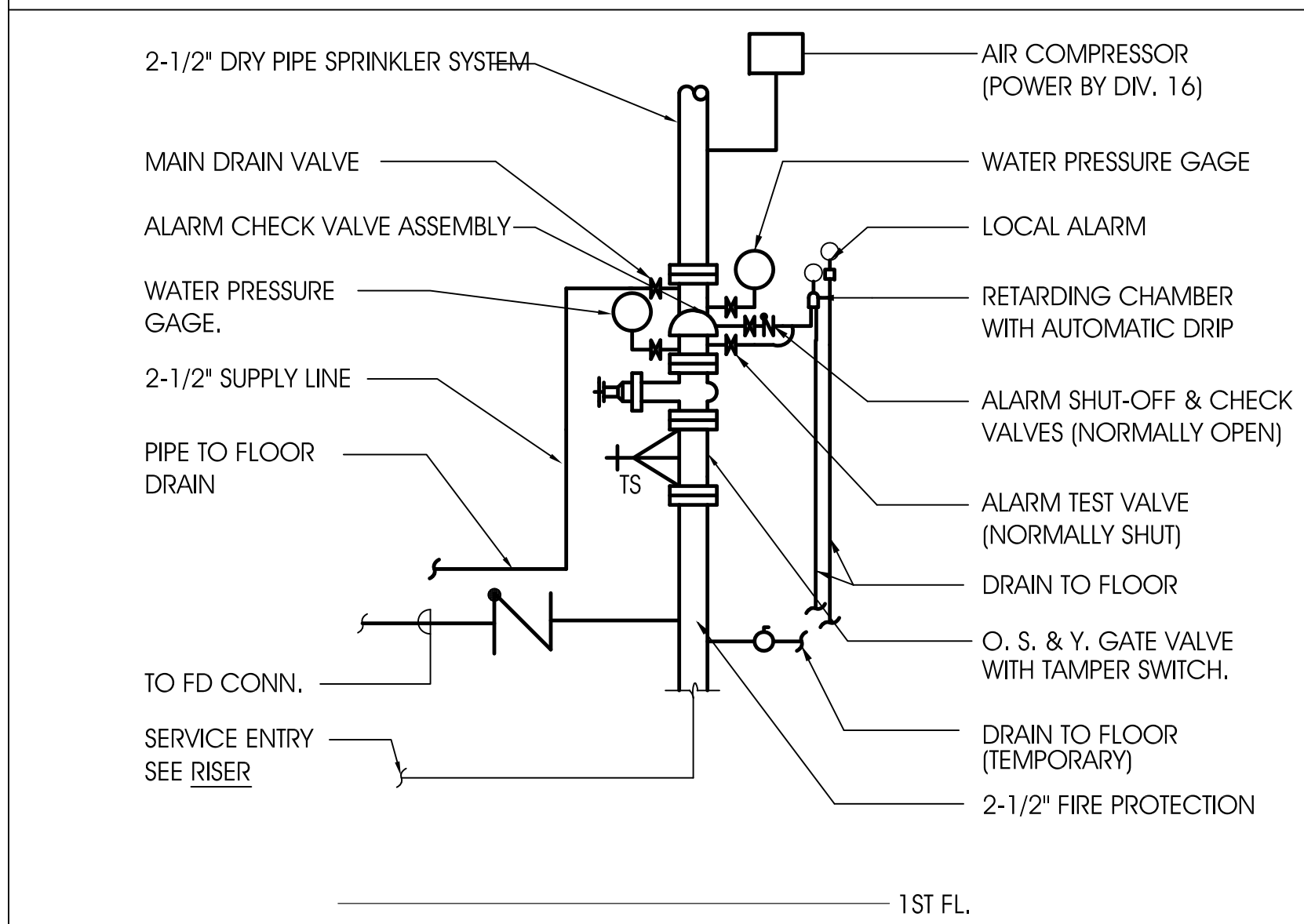
- PIPE SIZES PROVIDED FOR BID PURPOSES. ALL PIPE SIZES TO BE PER HYDRAULIC CALCULATIONS. SEE SPRINKLER SYSTEM NOTES ON THIS DRAWING.
- SEE SPRINKLER SYSTEM NOTES THIS DWG. FOR ALL REQUIREMENTS.



WET PIPE SPRINKLER ALARM VALVE DETAIL
NO SCALE

NOTES:

- PROVIDE A RATED WET PIPE ALARM VALVE ASSEMBLY, FM & UL LISTED. BASED ON RELIABLE MODEL 'E' WITH TRIM KIT MODEL E3.
- PLUMBING CONTRACTOR TO PROVIDE NEW WATER SERVICE & BFP AS A PART OF THE DCV FILING.



DRY PIPE SPRINKLER ALARM VALVE DETAIL
NO SCALE

NOTES:

- DIVISION 16 TO PROVIDE POWER TO AIR COMPRESSOR AND TO PROVIDE INTERLOCK WITH ANY FACP.
- PROVIDE A RATED DRY PIPE ALARM VALVE ASSEMBLY, FM & UL LISTED. BASED ON RELIABLE MODEL 'D'.

SYMBOLS			
	NEW DRY PIPE UPRIGHT SPRINKLER		CHECK VALVE
	NEW WET PIPE UPRIGHT SPRINKLER HEAD		FIRE PROTECTION
	NEW WET PENDANT		COLD WATER
	OS&Y VALVE		UNION
	ANGLE VALVE		FLOW SWITCH
			TAMPER SWITCH

- SPRINKLER SYSTEM NOTES**
- ENTIRE INSTALLATION SHALL CONFORM TO ALL NEW JERSEY STATE AND THE TOWN OF MAHWAH CODES AND ALL OF THE NFPA REQUIREMENTS. THIS CONTRACTOR SHALL PROVIDE ALL NEW DEVICES, INCLUDING WET PIPE, DRY PIPE, ALARM CHECKS, SPRINKLER HEADS AND BRANCH PIPING CONNECTING TO A NEW WATER SERVICE. AS NOTED AS A PART OF THIS CONTRACT.
 - ALL HYDRAULIC CALCULATIONS SHALL BE PREPARED BY THIS CONTRACTOR AND SHALL BE PER THE BUILDING DEPARTMENT. PROVIDE CALCULATIONS FOR BUILDING OWNER AND BUILDING DEPT. REVIEW. SIGN AND SEAL ALL CALCULATIONS AND SUBMIT PER ALL REQUIREMENTS.
DESIGN SYSTEM FOR THE FOLLOWING:
- ALL AREAS - LIGHT HAZARD 1500 SF, 0.1 GPM/SF 250 GPM INSIDE HOSE ALLOWANCE.
 - THE SPRINKLER SYSTEM INSTALLING CONTRACTOR SHALL COORDINATE ALL SPRINKLER WORK WITH THE WORK OF ALL OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES. COORDINATE LOCATION OF SPRINKLERS WITH THIS DRAWING AND THE ARCHITECTURAL DRAWINGS.
 - TEST ALL PIPING TO 200 PSI FOR (2) HOURS BEFORE CLOSING IN ANY WORK. ALL LOW POINTS IN PIPING SHALL BE PROVIDED WITH DRAIN VALVES. PROVIDE A TEST CONNECTION PER THE DRAWINGS.
 - SPRINKLER HEADS SHALL BE BASED ON RELIABLE SPRINKLER CO. INSTALLED PER CODE AND MANUFACTURER REQUIREMENTS.
 - NEW DRY ALARM CHECK ASSEMBLY TO BE BASED ON RELIABLE MODEL D, DRY PIPE TYPE FOR CRAWL SPACE. NEW WET PIPE CHECK ASSEMBLY TO BE BASED ON RELIABLE MODEL E FOR ALL OTHER AREAS.
 - ALL PRODUCTS SHALL BE BY A SINGLE VENDOR. ALTERNATE MANUFACTURER'S:
- VIKING
- GRINNEL
- RELIABLE
 - FIRE DEPARTMENT CONNECTIONS TO BE APPROVED BY LOCAL FIRE DEPARTMENT. PROVIDE BRONZE PLATE LABEL.
 - TAMPER SWITCHES TO BE UL LISTED AND FM APPROVED (GRINNEL #F640). DIVISION 16 TO WIRE TO FACP.
 - PROVIDE SPARE SPRINKLER CABINET WITH 6 SPARE HEADS PER TYPE. LOCATION AT EACH SERVICE.
 - COORDINATE ALL SERVICE & PRESSURE REQUIREMENTS WITH TOWN OF MAHWAH DPW
 - PAY FOR ALL HYDRANT TEST REQUIRED TO PREPARE HYDRAULIC CALC.
 - PIPING TO BE "VITAUCLIC" BLACK STEEL SCHEDULE 40. SUPPORT TO BUILDING STRUCTURE PER ALL NFPA REQUIREMENTS.
 - ALL SPRINKLER PIPING TO BE EXPOSED AND BE PAINTED BY G.C. IN FUTURE CONTRACT. PREPARE PIPE FOR PAINTING.

ALL WORK ON THIS DRAWING IS IN AN ALTERNATE BID AND IS NOT IN BASE BID.

Phase 1

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DATE	JUNE 14, 2010
DRAWN BY	VP
CHECKED BY	RHB
JOB NO.	ARBPE 3052
FIRE PLAN: SYMBOLS, NOTES, AND SCHEDULES	FP-1