

EXISTING PIPING	NEW PIPING	ABBR.	DESCRIPTION
--- FIRE MAIN ---	--- FIRE MAIN ---	-	FIRE MAIN BELOW GRADE/SLAB
--- FIRE MAIN ---	--- FIRE MAIN ---	-	FIRE MAIN/SUPPLY ABOVE CEILING
--- X-X-X-X-X-X---		-	EXISTING PIPING TO BE REMOVED
	○	-	ELBOW DOWN
	○	-	ELBOW UP
	┐	-	Pipe CONTINUES
	└	-	Pipe CAP
	→	-	DIRECTION OF FLOW
	IS	-	TAMPER SWITCH
	RS	-	FLOW SWITCH

The diagram illustrates a fire pump riser system with the following components and connections:

- Electric Alarm Bell:** Labeled "ELECTRIC ALARM BELL PORTER POWER 6230", it is connected to the top of the riser.
- Standpipe System:** Labeled "STANDPIPE SYSTEM", it branches off from the riser and is connected to a "STANDPIPE" on the "STANDPIPE" floor.
- Dry Piping System:** Labeled "DRY PIPING SYSTEM", it branches off from the riser and is connected to a "DRY PIPE SPRINKLER SYSTEMS AT PORT COCHERE" on the "PORT COCHERE" floor.
- Wet Piping System:** Labeled "WET PIPING SYSTEM", it branches off from the riser and is connected to "WET PIPE SPRINKLER SYSTEMS ON EACH FLOOR".
- 2" Main Drain (TYP):** A vertical pipe labeled "2\" MAIN DRAIN (TYP)" extends from the riser down to the "8\" UNDERGROUND".
- Alarm Check Valve and Test (TYPIC):** Located on the wet piping system.
- Pressure Gauges (TYPIC):** Located on the wet piping system.
- OS&Y Gate Valve (MAIN SHUT-OFF) (TYPIC):** Located on the wet piping system.
- 8\" Underground:** The main drain pipe terminates at the "8\" UNDERGROUND".
- Floor Labels:** "STANDPIPE", "PORT COCHERE", and "8\" UNDERGROUND" are labeled on the right side of the diagram.
- Legend:** A square symbol represents "SPACE SPRINKLERS AND WRENCH IN CABINET".

FLOW TEST INFORMATION

FLOW TEST DATE: 4--22--2013
TEST CONDUCTED BY: ANTONIO DENNIS AND JERRY BELTON
LOCATION: AT OR AROUND SAMS CLUB, 5400 FOWARD RD
WATER MAIN SIZES: 8" & 12"
STATIC PRESSURE: 60 PSIG
RESIDUAL PRESSURE: 45 PSIG
PIPING MATERIAL: DUCTILE IRON
GPM: 320

FP CONTRACTOR SHALL PROVIDE A 7500 GPM FIRE PUMP, IF REQUIRED. FP CONTRACTOR TO DETERMINE NEED PRIOR TO DRINKING WATER FIRE.

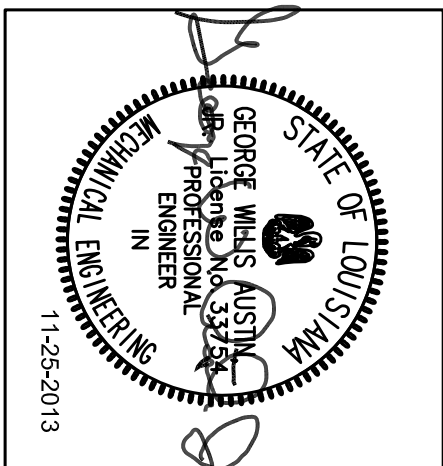
1. THE FIRE PROTECTION CONTRACTOR SHALL DESIGN, FABRICATE, INSTALL AND SECURE REQUIRED APPROVALS FOR A COMPLETE FIRE PROTECTION AUTOMATIC SPRINKLER AND STANDPIPE SYSTEM WHERE SHOWN ON THE CONTRACT DOCUMENTS, AND AS NEEDED FOR A COMPLETE AN PROPER INSTALLATION IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO CSA, NFPA AND LOCAL GOVERNMENTAL AGENCIES HAVING JURISDICTION.
2. SCOPE OF WORK INCLUDES PROVIDING DESIGNING SERVICES, COMPLETE AND COORDINATED DRAWINGS OF THE PROPOSED PP EQUIPMENT AND SYSTEMS, PLANNING ALL LABOR, MATERIAL, EQUIPMENT, THE PUMP (IF REQUIRED), SET FLOW TEST INFORMATION (THIS SHEET) AND INSTALLATION AS REQUIRED FOR A FULLY OPERATIONAL FIRE PROTECTION SYSTEM AS DESCRIBED WITHIN THE CONTRACT DOCUMENTS AND SPECIFICATIONS. SCOPE OF WORK SHALL INCLUDE BUT NOT BE LIMITED TO: PROVIDING DESIGN SERVICES, DESIGN AND CONSTRUCTION OF AROUND THE MAINS, STANDPIPE SYSTEMS, DRY PIPE SPRINKLER SYSTEMS, ETC.
3. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE INSTALLATION OF FIRE PROTECTION SYSTEMS AND EQUIPMENT WITH THAT OF THE OTHER TRADES SO THAT ALL WORK WILL BE PERFORMED IN AN ORDERTLY MANNER AND WITH THE LEAST POSSIBLE INTERFERENCE.

1. THE CONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION (AAJ), INCLUDING THOSE OF ALL APPLICABLE CITY, COUNTY, STATE, FEDERAL, AND PUBLIC ENTITIES, ALL LICENSES, PERMITS, AND FEES SHALL BE OBTAINED BY THE CONTRACTOR AND THE COST SHALL BE INCLUDED IN THE CONTRACT PRICE.
 2. THE MINIMUM STANDARD OF WORK UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE UNDERWRITERS LABORATORY (UL) "FIRE EQUIPMENT LIST", ALL STATE, FEDERAL, COUNTY OR MUNICIPAL CODES AS APPLICABLE BY AUL.
- MATERIALS AND EQUIPMENT:**
1. SEE CONTRACT DOCUMENTS FOR COMPLETE LIST OF REQUIREMENTS. BOTH THE DRAWINGS AND SPECIFICATIONS SHALL BE UTILIZED, IF ANY DISCREPANCIES BETWEEN THE TWO ON ANY SPECIFIC ITEM OR REQUIREMENT ARISES, THE MOST STRINGENT SHALL APPLY. NO EXCEPTIONS.
- ALL MATERIALS (USED ON THE PROTECTION SYSTEMS SHALL MEET THE REQUIREMENTS OF

1. FIRE PROTECTION WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS LISTED UNDER CODES, REGULATIONS, AND PRACTICES SECTION OF THE FIRE PROTECTION SYSTEMS NOTES ON THIS SHEET.
2. GENERAL AND SPECIAL CONDITIONS ARE HEREBY MADE AN INTEGRAL PART OF THE FIRE PROTECTION SPECIFICATIONS INsofar AS THE GENERAL AND SPECIAL CONDITIONS ARE APPLICABLE TO THE FIRE PROTECTION WORK, UNLESS OTHERWISE NOTED.
3. PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND MAINTENANCE OF THE FIRE PROTECTION SYSTEMS IN ACCORDANCE WITH ALL APPLICABLE CODES, NFPA, AND THE NFPA.
4. PENALTIES, APPLY AND PAY FOR ALL NECESSARY PENALTIES, FEES, AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION.

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Services**

Phase

FOR CONSTRUCTION

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