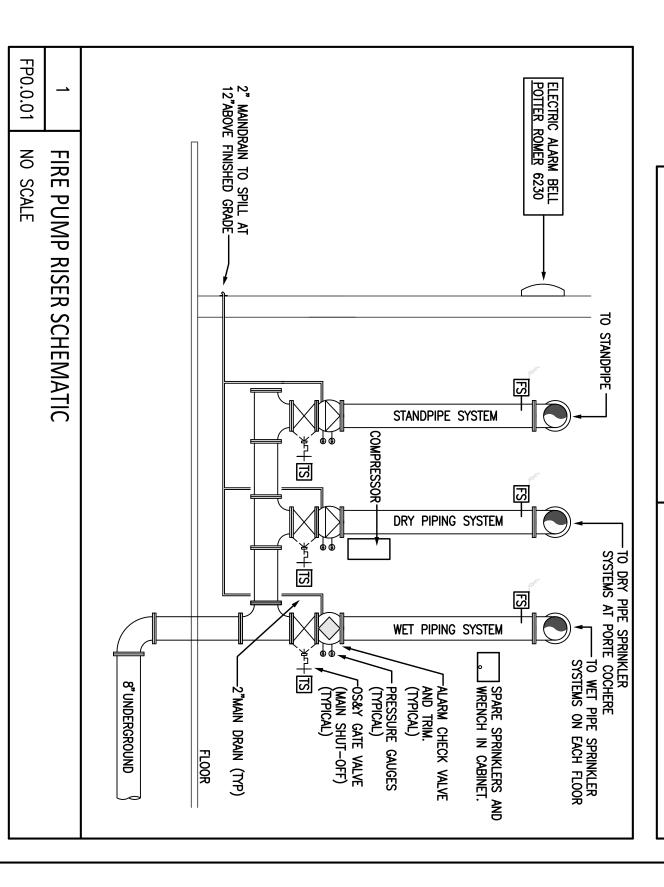
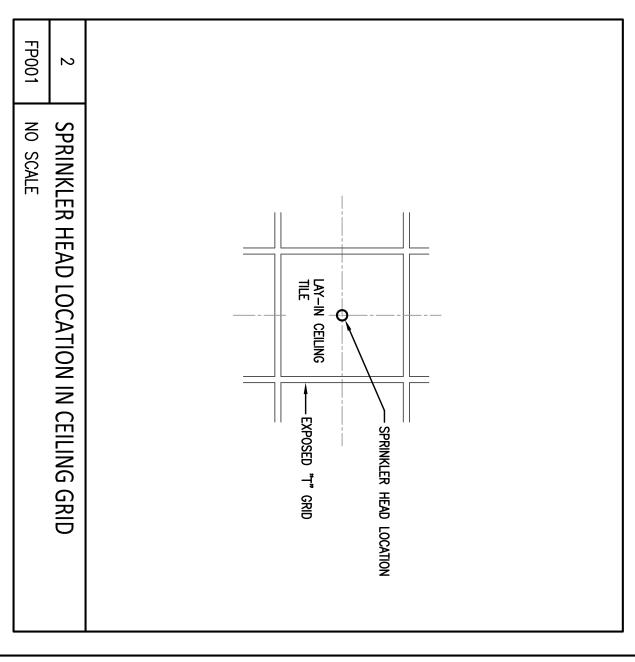
EXISTING PIPING GALLONS PER HORSE POWER 30VE 30VE FINISHED FLOOR JILDING AUTOMATION SYSTEM TING HED FLOOR FINISHED FIRE ELEVATION NEW PIPING PROTECTION LEGEND ABBR. WC TT SF PH MBH KW ELBOW DOWN PIPE CONTINUES PIPE CAP FIRE MAIN/SUPPLY DESCRIPTION DIRECTION OF FLOW EXISTING PIPING TO BE REMOVED FLOW SWITCH KILOWATT 1,000 BTUH 1,000 BTUH MOUNTING HEIGHT PHASE POUNDS PER SQUARE | SQUARE FEET TEMPERATURE AND PRE TYPICAL VALVE WATER COLUMN LECTRICAL CONTRACTOR EENERAL CONTRACTOR IECHANICAL CONTRACTOR LUMBING CONTRACTOR IRE PROTECTION CONTRACTO N 오





FIRE **PROTECTION SYSTEMS**

- PIPE SYSTEM
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 BUT NOT
- SCOPE OF WORK INCLUDES PROVIDING DESIGNING SERVICES; COMPLETE AND COORDINATED DRAWINGS OF THE PROPOSED FP EQUIPMENT AND SYSTEMS, FURNISHING ALL LABOR, MATERIAL, EQUIPMENT, FIRE PUMP (IF REQUIRED, SEE 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 LIMITED TO: AUTOMATIC WET PIPE SPRINKLER SYSTEM, UNDERGROUND FIRE MAINS, STANDPIPE SYSTEMS, DRY PIPE SPRINKLER SYSTEMS, FIRE PUMPS.
- 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 ORDERLY MANNER AND WITH THE LEAST POSSIBLE INTERFERENCE.

- THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE TO THE ENGINEER FOR REVIEW SIX (6) COPIES OF REQUIRED SUBMITTALS IN ACCORDANCE WITH NFPA "WORKING DRAWINGS". ALL CATALOG DATA, SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND APPROVAL FROM LOCAL AH. (FIRE MARSHAL) SHALL BE SUBMITTED AS A SINGLE PACKAGE. SUBMITTALS SHALL CLEARLY A COMPLETELY DESCRIBE THE SPECIFIC PRODUCT(S) THEY REPRESENT. DRAWINGS AND PLANS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER, AND BEAR THE SIGNATURE A SEAL REPRESENTING THE STATE IN WHICH THE PROJECT IS CONSTRUCTED. AHJ Y AND
- PRIOR TO HYDRAULIC CALCULATIONS, THE CONTRACTOR SHALL OBTAIN FIRE FLOW DATA (GPM AND PRESSURE) FROM THE NEAREST HYDRANT(S). FLOW TEST INFORMATION SHALL BE WITHIN ONE YEAR OF PROJECT COMPLETION. DUE TO CONSTRUCTION LENGTH, MULTIPLE FLOW TESTS MAY BE REQUIRED TO FULLFILL THIS REQUIREMENT.
- NO WORK SHALL COMMENCE PRIOR TO SHOP DRAWING **APPROVAL**

70.

CODES, REGULATIONS AND PRACTICES:

- THE CONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION (AHJ), 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.
- THE MINIMUM STANDARD OF WORK UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE FOLLOWING: ALL APPLICABLE SECTIONS OF NFPA 13, 14, 20, 25, NATIONAL ELECTRIC CODE, UNDERWRITERS LABORATORY (UL) "FIRE EQUIPMENT LIST", ALL STATE, FEDERAL, COUNTY OR MUNICIPAL CODE AS APPLICABLE BY AHJ.

MATERIALS AND EQUIPMENT:

- 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 FIRE PROTECTION SYSTEMS SHALL MEET THE REQUIREMENTS OF APPLICABLE CODES, STANDARDS, AND REQUIREMENTS OF THE AHJ AND THE OWNER'S INSURANCE UNDERWRITER.
- PIPE AND FITTINGS ABOVE GRADE: BLACK STEEL IN ACCORDANCE WITH ASTM A53, ASTM A135 OR ASTM A75. PIPING 2½," AND LARGER SHALL BE SCH 10, PIPING 2" AND SMALLER SHALL BE SCH 40. FITTINGS SHALL BE UL LISTED GROOVED FITTINGS SHALL BE UL LISTED AND IN ACCORDANCE WITH ASTM A536. PIPE AND FITTINGS BELOW GRADE: DUCTILE IRON IN ACCORDANCE WITH AWWA C151. TIE AND THRUST BLOCKS SHALL MEET NFPA 24. FITTINGS SHALL BE DUCTILE IRON MEETING C153. WORKING PRESSURE SHALL BE 350 PSIG.

RESTRAINTS:

THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO DETERMINE SITE CLASSIFICATION AND SEISMIC REQUIREMENTS FOR THIS PROJECT. WHERE REQUIRED THE FIRE PROTECTION CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL STRUCTURAL ENGINEER, LICENSED IN THE PROJECT STATE, TO DESIGN SEISMIC RESTRAINT ELEMENTS REQUIRED FOR THIS PROJECT.

- SPRINKLERS SHALL BE UL LISTED. PROVIDE CHROME PLATED/CONCEALED PENDENT TYPE I IN CEILINGS AND BRONZE UPRIGHT HEADS IN EXPOSED CEILING AREAS UNLESS SPECIFIED OTHERWISE. HEADS
- PROVIDE SPARE SPRINKLERS, CABINET, SPECIALTY TOOLS FOR REPLACEMENT "STOCK OF SPARE SPRINKLERS" PER NFPA 13. PROVIDE SPRINKLER HEADS WITH TEMPERATURE RATINGS IN COMPLIANCE WITH NFPA 13.
- INSTALLATION: PIPING SHALL BE INSTALLED AS INDICATED ON SHOP DRAWINGS AND COMPLY WITH REQUIREMENTS FOR INSTALLATION OF SPRINKLER PIPING PER NFPA 13. INSTALL SPRINKLEI PIPING AND DEVICES WITH DRAINS FOR COMPLETE SYSTEM DRAINAGE. PIPING SHALL BE FREE OF SCALE, SLAG, DIRT AND DEBRIS. AND REMOVE BURRS. BEVEL PLAIN ENDS OF STEEL PIPE. REAM ENDS

WATER MAIN SIZES: 8" & 12" STATIC PRESSURE: 60 PSIG RESIDUAL PRESSURE: 45 PSIG PITOT: 30 GPM: 920

FLOW TEST DATE: 4-22-2013 TEST CONDUCTED BY: ANTONIO DENNIS AND JERRY BELTON LOCATION: AT OR AROUND SAM'S CLUB, 5400 FRONTAGE RD

FLOW TEST INFORMATION

FP CONTRACTOR SHALL PROVIDE, A 750 GPM FIRE PUMP, IF REQUIRED. DETERMINE NEED PRIOR TO BIDDING DOCUMENTS.

FP CONTRACTOR TO

NEW FIRE PROTECTION SYSTEMS SHALL BE TESTED TO DISCLOSE LEAKS AND DEFECTS PER NFPA-13, CHAPTER 25 "SYSTEMS ACCEPTANCE".

INSTALL SPRINKLERS IN SUSPENDED CEILINGS IN CENTER OF ACOUSTICAL CEILING PANELS. INSTALL DRY TYPE SPRINKLERS WITH WATER SUPPLY FROM HEATED SPACE. DO NOT INSTALL WET TYPE SPRINKLERS IN AREAS SUBJECT TO FREEZING. VICTAULIC AQUAFLEX FLEXIBLE DROP SYSTEM MAY BE USED WITH REQUIRED SUPPORT MEMBERS AND BRACING.

INSTALL LISTED FIRE PROTECTION VALVES, TRIM AND DRAIN VALVES: SPECIALTY TRIM; CONTROLS AND SPECIALTIES, ACCORDING TO NFPA 13 AND AHJ.

- THE FIRE PROTECTION CONTRACTOR SHALL NOTIFY THE SYSTEM TEST DATE. STOPPING: AHJ AND 롦 OWNER 7 DAYS PRIC OR TO
- FIRE STOP ALL PENETRATIONS, BY PIPING OR CONDUITS, OF FIRE RATED WALLS, FLOORS / PARTITIONS. PROVIDE A DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814, AND INSTALL IN ACCORDANCE WITH THE CONDITIONS OF THLISTING. PROVIDE A DEVICE(S) OR SYSTEMS(S) WITH AN 'F' RATING EQUAL TO THE RATING THE ASSEMBLY BEING PENETRATED. REFER TO ARCHITECTURAL PLANS FOR WALL AND FLOOR TYPES. AS THEIR NG OF OOR

FIRE PROTECTION GENERAL NOTES

- 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.
- 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.

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ARCHITECTURE

PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL FIRE PROTECTION SYSTEMS IN ACCORDANCE WITH ALL APPLICABLE CODES, NFPA, AND THE AHJ.

6800 S Creek Rd, Charlotte, NC 28277 Ph:(704) 625-6554 Fax:(704) 919-5822 EMAIL:ashish@mishraarch.com WEB: www.mishraarch.com

- PERMITS: APPLY AND PAY FOR ALL NECESSARY PERMITS, FEES, AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION.
- WARRANTY: PROVIDE A ONE YEAR WARRANTY, FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER, FOR ALL FIRE PROTECTION MATERIALS AND EQUIPMENT, FURNISHED AGAINST DEFECTS, LEAKS, PERFORMANCE AND NON-OPERATION. COORDINATE ALL FIRE PROTECTION PIPING LOCATIONS, EQUIPMENT LOCATIONS, AND INSTALLATION OF HEADS WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES. FINAL INSTALLATION OF PIPING AND EQUIPMENT LOCATION SHALL BE A CODE COMPLIANT INSTALLATION FOR ALL TRADES.
- SPRINKLER HEADS, EQUIPMENT, ACCESSORIES SHOWN ON DRAWINGS ARE FOR COORDINATION PURPOSES ONLY. THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FULLY FUNCTIONAL, NFPA 13 COMPLIANT SYSTEM REGARDLESS OF QUANTITIES SHOWN ON DOCUMENTS. THE FIRE PROTECTION CONTRACTOR SHALL FURNISH ACCESS DOORS TO THE G.C. FOR INSTALLATION IN CEILINGS, WALLS, PARTITIONS, AND FLOORS (ACCESS TO VALVES AND OTHER APPURTENANCES).
- THE DESIGN SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND APPROVED BY THE LOCAL FIRE MARSHAL AND OWNERS INSURANCE COMPANY PRIOR TO FABRICATION OR INSTALLATION.
- SPRINKLERS IN GUESTROOMS AND PUBLIC AREAS SHALL BE CONCEALED TYPE. 2

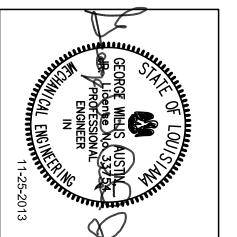
 CUT WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF FIRE PROTECTION WORK. ALL CUTTING SHALL BE HELD TO A MINIMUM. PATCH AND FINISH SURFACES TO MATCH ADJOINING SURFACES. FIRE PROTECTION PIPING SHALL BE CONCEALED WITHIN WALLS, PARTITIONS OR ABOVE CEILINGS UNLESS OTHERWISE NOTED. FIRE PROTECTION PIPING IN EXPOSED AREAS SHALL BE INSTALLED AS HIGH AS POSSIBLE.
- ATTACH PIPING HANGARS TO STRUCTURE, HANGERS SHALL $\underline{\mathsf{NOI}}$ BE ATTACHED TO THE DECK. THE BUILDING STRUCTURE SHALL NOT BE COMPROMISED.

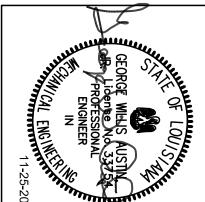
13.

- THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SUBSTITUTIONS.
- SPRINKLER HEADS CONFLICTING WITH RECESSED CAN LIGHTS OR TRACK LIGHTS SHALL BE COORDINATED WITH ELECTRICAL CONTRACTOR. WHERE SPRINKLER HEAD CANNOT BE RELOCATED WITHOUT ADDING A HEAD, THE LIGHT SHALL BE RELOCATED.

ENGINEERING GROUP, PC 212 N. McDowell St Suite 204 Charlotte, NC 28204 (P) 704.334.7363 (F) 704.347.0093 www.shultzeg.com SHULTZ

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No.	REVISIONS		
Date			SE
Description			SEG - 13-039





KEY PLAN

Southern Hospitality Services

Hampton Inn and Suites

Schedule and Notes - Fire Protection 5400 I-20 & Frontage Rd. Monroe, LA 71201

FP001

Hampton Inn and Suites