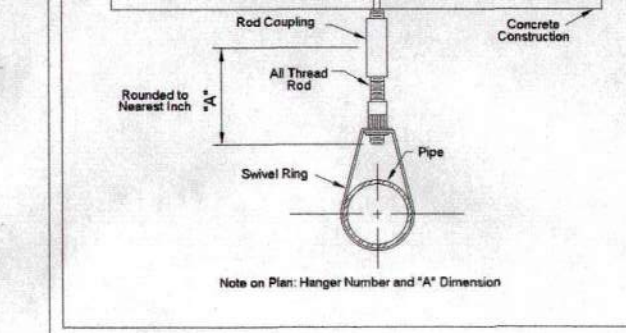




HOME 2 SUITES
Remote Area: 1st Floor - RESIDENTIAL

CALCULATION DESIGN CRITERIA
STANDARD: NFPA 13-2010
OCCUPANCY CLASS: RESIDENTIAL
MAX. COVERAGE PER HEAD: 400 FT²
DENSITY: 10 GPM / FT² @ 485 PSI
SPRINKLER: Reliable Model F1RES 44
ORIFICE: 1/2" K_v: 4.9
WATER FLOW INFORMATION:
STATIC: 155 PSI
RESIDUAL: 131 PSI
FLOW: 750 GPM
AT SUPPLY SYSTEM REQUIREMENTS:
173.69 GPM @ 69.384 PSI
* At time of Design

HOME 2 SUITES
Remote Area: 1st Floor - LAUNDRY

CALCULATION DESIGN CRITERIA
STANDARD: NFPA 13-2010
OCCUPANCY CLASS: ORD G-1
MAX. COVERAGE PER HEAD: 130 FT²
DENSITY: 15 GPM / FT² @ 913 PSI
SPRINKLER: Reliable Model F1FR 56
ORIFICE: 1/2" K_v: 5.6
WATER FLOW INFORMATION:
STATIC: 155 PSI
RESIDUAL: 131 PSI
FLOW: 750 GPM
AT SUPPLY SYSTEM REQUIREMENTS:
541.76 GPM @ 98.449 PSI
* At time of Design

HOME 2 SUITES
Remote Area: 1st Floor - LOBBY

CALCULATION DESIGN CRITERIA
STANDARD: NFPA 13-2010
OCCUPANCY CLASS: LIGHT
MAX. COVERAGE PER HEAD: 225 FT²
DENSITY: 10 GPM / FT² @ 1150 PSI
SPRINKLER: Reliable Model F1FR 56
ORIFICE: 1/2" K_v: 5.6
WATER FLOW INFORMATION:
STATIC: 155 PSI
RESIDUAL: 131 PSI
FLOW: 750 GPM
AT SUPPLY SYSTEM REQUIREMENTS:
368.23 GPM @ 105.624 PSI
* At time of Design

NFPA 13 2013 Edition
Not 2010

Sprinkler Legend

Symbol	Manufacturer	SIN/Model	Quantity	K-Factor	Type	Size	Response	Orifice/Finish	Temperature	Note
●	Reliable	RA1435	2	5.6	Sidwall	1/2"	Quick	1/2" Brass	200°F	
●	Reliable	RA1414	1	5.6	Pendent	1/2"	Quick	1/2" Brass	200°F	
●	Reliable	RA1414	128	5.6	Pendent	1/2"	Quick	1/2" White	155°F	
●	Reliable	R3516	22	4.9	Pendent	1/2"	Quick	1/2" White	155°F	
●	Reliable	R5714	6	5.6	Pendent	1/2"	Quick	1/2" White	200°F	
●	Reliable	RA1425	2	5.6	Upright	1/2"	Quick	1/2" Brass	200°F	
●	Reliable	R5714	1	5.6	Pendent	1/2"	Quick	1/2" White	200°F	
Total =			162							

- FOR GENERAL NOTES REFER TO FP-2

IMPORTANT

In localities subject to freezing conditions, it is the owner's responsibility to provide heat throughout wet pipe sprinkler system areas and in enclosures for dry pipe deluge and other types of valves controlling water supplies to sprinkler systems.

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PAUL M. GIFFORD
NICET LEVEL 4
Paul M. Gifford
CERTIFICATION NO. 81305

STATE OF MS.
PERMIT NO.
11749-SC

REV. NO.	DESCRIPTION	BY	DATE
1	CHANGED HORIZONTAL S/W SPRINKLERS TO PENDANT SPRINKLERS.	CJ	07-20-2017
2	REMOVED SPRINKLERS FROM PORTE-COCHERE - NOT ATTACHED TO BUILDING	CJ	07-20-2017
3	CHANGED RES. S/W TO RES. PENDANT DUE TO LOWERED CEILING	CJ	07-20-2017

SYSTEM TYPE		
WET	6"	DELUGE
DRY		PREACTION
APPROVALS		
□ SPM	OUT	IN
□ RI	OUT	IN
□ FMO/LOCAL	OUT	IN
☒ OWNER	OUT	IN
☒ CITY OF FLOWOOD	OUT	IN

FIRST FLOOR WET SYSTEM

SYSTEM DESIGN DATA

HAZARD CLASSIFICATION:	ORD / LIGHT / RES.	SYSTEM AREA:	VARIES
HYDRAULIC DENSITY:	10, 15	SOFTEND:	225 FOR SSP SPRINKLERS
DESIGN DATA:		RES ROOM DESIGN:	
AREA OF APPLICATION:	1ST FLOOR	HOSE ALLOWANCES:	100, 250 GPM
TOTAL SYSTEM REQUIREMENTS:	SEE HYDRAULIC NOTES		
WATER SUPPLY:	STATIC PRESSURE: 155 PSI	RESIDUAL PRESSURE:	131 PSI
FLOWING:	750 GPM	LOCATION:	OLD FANNIN RD. @ HOSPITALITY DR. FLOWOOD, MS
WATER SUPPLY TESTED BY:	COMBINED CITY AND FIRE PUMP RATED CAPACITY 02/07/2017		

CONTRACT NAME

HOME 2 SUITES BY HILTON

FLOWOOD, MS

VFP FIRE SYSTEMS

6181 F. RANGELINE RD.
THEODORE, AL 36682
PH: (251) 443-7234

P.O. Box 190597
MOBILE, AL 36619
Fax: (251) 443-7502

1/8" = 1'-0"
VFP CONTRACT NO. 787405
DATE: 02/20/2017
DRAWN BY: L FICKLING
CHECK BY: JD HOWARD
DRAWING NO. FP1

