2. SYSTEM DESIGN BASIS:

HYDRAULICALLY MOST DEMANDING 2 SPRINKLERS.

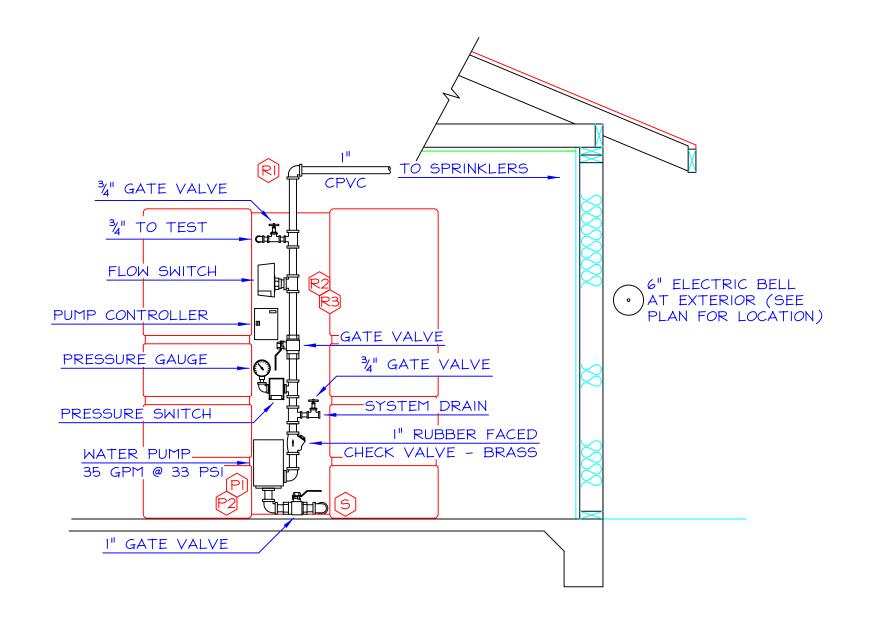
3. WATER SUPPLY:

300 GALLON STORAGE TANK WITH A 35 GPM @ 33 PSI PUMP

4. ALL PIPE SHALL BE U.O.N. :

RISER - COPPER OVERHEAD - CPVC

- 5. MANUFACTURERS OF RESIDENTIAL SPRINKLERS PUBLISH INFORMATION REGARDING THE SPACING OF THEIR SPRINKLERS WITH RESPECT TO HEAT PRODUCING DEVICES (FIREPLACES, RANGES, OVENS, HEATING VENTS, WATER HEATERS, FURNACES, ETC.) WHETHER OR NOT ALL HEAT PRODUCING DEVICES ARE SHOWN ON THE PLAN PROPER MINIMUM DISTANCES MUST BE MAINTAINED. SEE HEAT SOURCE CHART.
- 6. THE MINIMUM DISTANCE BETWEEN ANY 2 RESIDENTIAL SPRINKLERS SHALL NOT BE LESS THAN 8 FEET.
- 7. THE MAXIMUM DISTANCE BETWEEN ANY 2 RESIDENTIAL SPRINKLERS ON THIS PROJECT IS HYDRAULICALLY LIMITED TO 16 FEET. SPRINKLERS SHALL NOT EXCEED 8 FEET FROM ANY WALL. THE MAXIMUM DISTANCE BETWEEN 2 SPRINKLERS ON A SLOPED CEILING IS LIMITED TO 16 FEET. SPRINKLERS SHALL NOT EXCEED 8 FEET FROM ANY WALL.
- 8. THE MINIMUM DISTANCE A SPRINKLER CAN BE LOCATED FROM A WALL IS 4 INCHES.
- 9. INSTALLATION OF ALL RESIDENTIAL SPRINKLERS SHALL BE IN STRICT COMPLIANCE WITH THE MANUFACTURERS INSTALLATION GUIDE.
- 10. PRIOR TO DRILLING JOISTS CONTACT STRUCTURAL ENGINEER FOR RECOMMENDED DRILLING GUIDELINES.

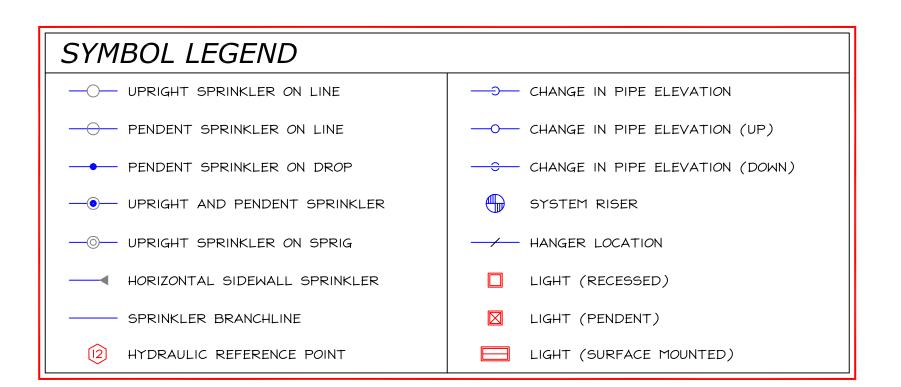


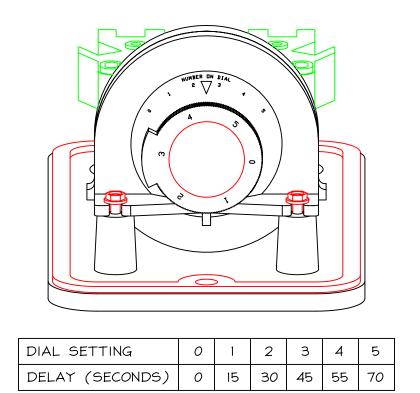
RISER DETAIL

SPRINKLER TOTALS

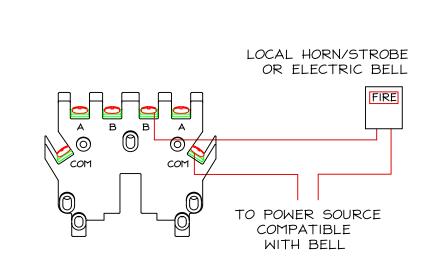
34 RELIABLE RFC43 CONCEALED PENDENT (RA0612) 165°/ 7/16" ORIFICE K=4.30

	MINIMUM DISTANCE FROM EDGE OF SOURCE TO				
HEAT SOURCE	ORDINARY TEMPERATURE SPRINKLER	INTERMEDIATE TEMPERATURE SPRINKLER			
SIDE OF OPEN OR RECESSED FIREPLACE	3'-0"	1'-0"			
FRONT OF RECESSED FIREPLACE	5'-0"	3'-0"			
COAL- OR WOOD- BURNING STOVE	3'-6"	1'-0"			
KITCHEN RANGE	1'-6"	0'-9"			
WALL OVEN	1'-6"	0'-9"			
HOT AIR FLUES	1'-6"	0'-9"			
UNINSULATED HEAT DUCTS	1'-6"				
UNINSULATED HOT WATER PIPES	1'-0"	0'-6"			
SIDE OF CEILING- OR WALL- MOUNTED HOT AIR DIFFUSERS	2'-0"	1'-0"			
FRONT OF WALL-MOUNTED HOT AIR DIFFUSERS	3'-0"	1'-6"			
HOT WATER HEATER OR FURNACE	0'-6"	0'-3"			
LIGHT FIXTURE 0W - 250W	0'-6"	0'-3"			
LIGHT FIXTURE 250W – 499W	1'-0"	0'-6"			





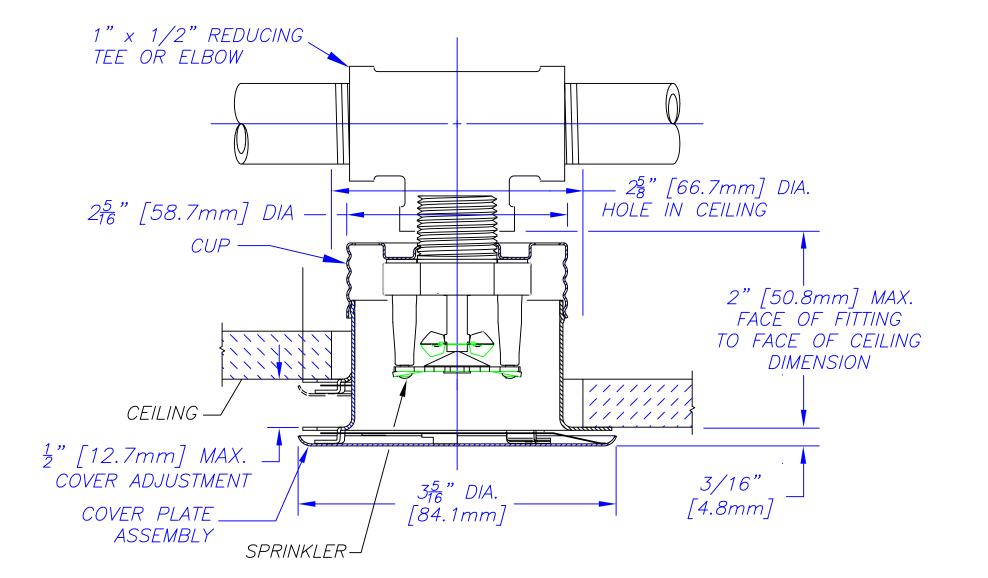
FLOW SWITCH DIAL SETTINGS



FLOW SWITCH WIRING DIAGRAM

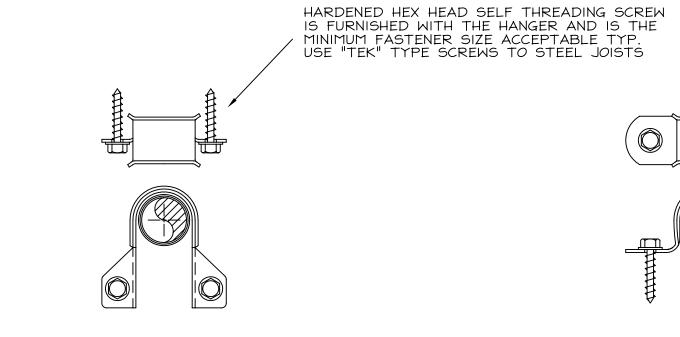
HANGER SPACING										
PIPING MATERIAL		PIPE SIZE								
		3/11	1"	1½"	1½"	2"	2½"	<u>_</u>		
COPPER		6	8	8	10	10	10	12		
CPVC	73°	5.5	6	6.5	7	8	9	10		
	100°	5	5.5	6.5	7	7.5	8.5	9.5		
	120°	4.5	5	5.5	6	7	7.5	8.5		
SCHEDULE 40 STEEL	\$ 10	*	12	12	15	15	15	15		
THREADABL THINWALL		*	12	12	12	12	12	12		

- All lengths shown are the maximum recommended distance between hangers expressed in feet.
- 2. Provide a hanger within 6 inches of all drops to sprinkler heads when using CPVC pipe.
- 3. * Steel pipe is not allowed in sizes less than I inch.
- 4. ** Indicate information that is not available. 5. CTS = Copper Tube Size.
- 6. IPS = Iron Pipe Size.



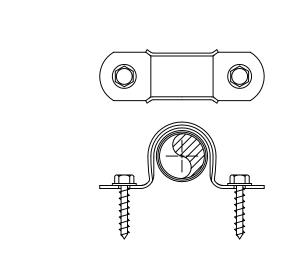
COVER PLATE: 1/2" [12.7mm] ADJUSTMENT

RELIABLE RFC43 CONCEALED PENDENT



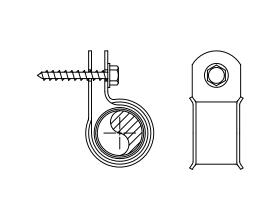
CPVC DOUBLE FASTENER STRAP TYPE HANGER





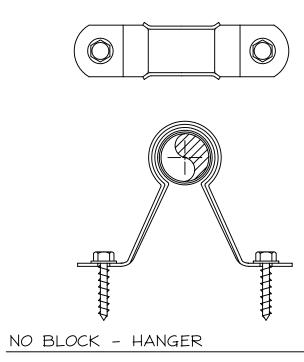
CPVC DOUBLE FASTENER STRAP TYPE HANGER





CPVC SINGLE FASTENER STRAP TYPE HANGER





REVISIONS

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T. RAY 05-03-05 1/4'' = 1' - 0''FILE NUMBER

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