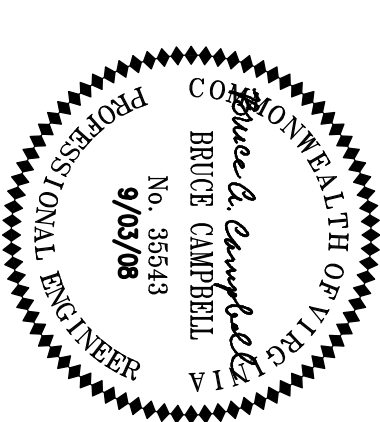


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☐ ☐ ☐
LEGEND, NOTES
4 ABBREVIATIONS
FIRE PROTECTION

REVISION DATE

J O B N U M B E R 0 7 0 4
F P O . 0 1

ABBREVIATIONS & LEGEND

FDC	FIRE DEPARTMENT CONNECTION		
FP	FIRE PROTECTION		
			PIPING:
			FIRE SPRINKLER MAIN LINE
			PIPING:
			DRY HEAD PIPING
			SPRINKLER HEAD:
			RESIDENTIAL SIDEWALL
			SPRINKLER HEAD:
			RESIDENTIAL PENDENT
			RESIDENTIAL UPRIGHT
			RESIDENTIAL FLUSH PENDANT
			SPRINKLER HEAD:
			RESIDENTIAL FLUSH PENDANT
			PIPE WORK:
			BACK FLOW PREVENTOR

SPRINKLER NOTE:

CONTRACTOR SHALL DESIGN AND PROVIDE A FULLY AUTOMATIC WET PIPE FIRE EXTINGUISHING SPRINKLER SYSTEM TO PROVIDE COVERAGE THROUGHOUT THIS BUILDING. SPRINKLER SYSTEM DESIGN, MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13R AND STATE AND LOCAL AUTHORITIES. SPRINKLER SYSTEM DESIGN SHALL BE BY HYDRAULIC CALCULATIONS FOR LIGHT HAZARD OCCUPANCY.

FIRE PROTECTION NOTES:

1. PROVIDE WET PIPE SYSTEM COMPLETE.
2. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL SPRINKLER HEADS AND PIPING WITH ALL OTHER TRADES.
3. BEFORE INSTALLATION AND ERECTION OF PIPING, VERIFY ALL DIMENSIONS AND ROUTING IN THE FIELD.
4. SPRINKLER HEADS SHALL BE LOCATED AND INSTALLED IN ACCORDANCE WITH NFPA 13R.
5. CLEAN ALL PIPING FREE FROM SCALE AND DIRT PRIOR TO INSTALLATION
6. SLOPE ALL SPRINKLER PIPING FOR DRAINAGE. PROVIDE DRAIN VALVES AT LOW POINTS.
7. ALL INSTALLATION, MATERIAL, AND EQUIPMENT SHALL BE IN ACCORDANCE WITH NFPA-13R.
8. ALL PIPE MUST BE FLUSHED AND TESTED BEFORE FINAL CONNECTION TO INSIDE PIPE.
9. ALL HANGERS TO BE OF THE NFPA APPROVED TYPE.
10. ALL ELECTRICAL, CONTROL, AND ALARM WIRING TO PERFORMED BY OTHERS
11. ALL FIRE EXTINGUISHERS TO BE PROVIDED BY OTHERS.
12. WATER FLOW TEST SHALL BE PERFORMED BY A CERTIFIED SPRINKLER CONTRACTOR AT THE CLOSEST FIRE HYDRANT TO THE SITE.
13. ROUTE FIRE PROTECTION WITHIN CONDITIONED SPACE OR ON WARM SIDE OF INSULATION.

DESIGN CRITERIA:

1. LIVING AREAS – LIGHT HAZARD
2. SYSTEM DESIGN FOR THIS BUILDING SHALL BE SPRINKLERED PER NFPA 13R.
3. SEE ARCHITECTURAL DRAWINGS FOR CONSTRUCTION TYPE AND BUILDING CLASSIFICATION.

NOTES TO FIRE PROTECTION CONTRACTOR:

THESE DESIGN DOCUMENTS INDICATE FIRE SPRINKLER DEVICE LOCATIONS AND OVERALL SYSTEM INTENT. THESE DRAWINGS SHALL NOT BE USED AS INSTALLATION DRAWINGS OR FIRE SPRINKLER PER DRAWINGS. THE FIRE SPRINKLER CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS FOR PERMITTING AND INSTALLATION OF THE FIRE SPRINKLER SYSTEM. THESE DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY THE FIRE PROTECTION CONTRACTOR'S REGISTERED ENGINEER FOR THE FIRE SPRINKLER PORTION OF THIS WORK.

INSTALLATION/PERMIT DRAWINGS SHALL INCLUDE THE FOLLOWING:

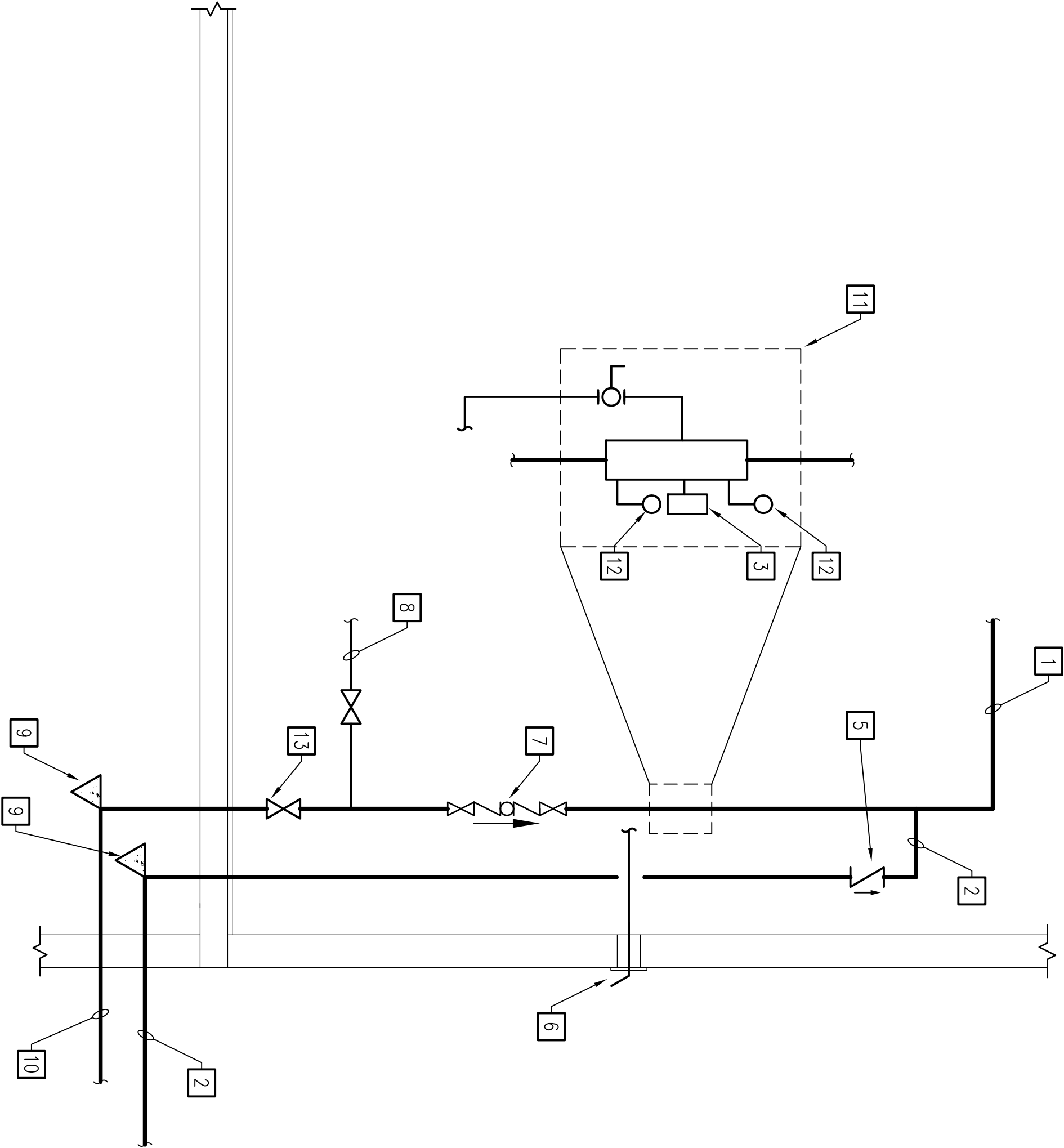
1. WORKING DRAWINGS ARE DESCRIBED IN NFPA-13R AND NFPA-24, AT A SCALE OF NOT LESS THAN 1/8" = 1'-0", CONTAINING SPRINKLER DEVICE LOCATIONS, PIPING LAYOUT, DRAWING NOTES AND DETAILS.
2. COMPLETE HYDRAULIC CALCULATIONS IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS.
3. EQUIPMENT CUT SHEETS OF ALL PRODUCTS INTENDED TO BE INSTALLED ON THIS PROJECT.
4. CURRENTLY CONDUCTED FLOW TEST DATE INCLUDING THE FOLLOWING:
 - A. DATE AND TIME TEST WAS PERFORMED.
 - B. NAME AND PHONE NUMBER OF PERSON AND COMPANY CONDUCTING THE TEST.
 - C. STATIC PRESSURE.
 - D. RESIDUAL PRESSURE.
 - E. GALLONS PER MINUTE FLOWED.

FIRE HYDRANT FLOW TEST DATA:

1. TEST WAS PERFORMED ON DECEMBER 11, 2007
2. TEST DATA WAS SUPPLIED BY NEWPORT NEWS WATER WORKS.
3. TOTAL DISCHARGE DURING TEST = 1153 GPM.
4. STATIC PRESSURE = 66 PSI
5. RESIDUAL PRESSURE = 60 PSI

RISER NOTES

- 1 1-1/2" FP TO SPRINKLER SYSTEM
- 2 TO FDC
- 3 WATERFLOW SWITCH
- 4 1-1/2" FIRE DEPT. CONNECTION
- 5 CHECK VALVE
- 6 1" TEST & DRAIN
- 7 DOUBLE DETECTOR CHECK BACKFLOW PREVENTER
- 8 2" TO DOMESTIC WATER SERVICE
- 9 ANCHOR IN ACCORDANCE WITH NFPA 24
- 10 2" COMBINED SERVICE; SEE SITE PLAN FOR CONTINUATION
- 11 NFPA 13R RISER MANIFOLD
- 12 PRESSURE GAUGE
- 13 MAIN CONTROL VALVE WITH HANDLE LOCKED OPEN



NFPA 13R WET PIPE SPRINKLER RISER DETAIL

NO SCALE