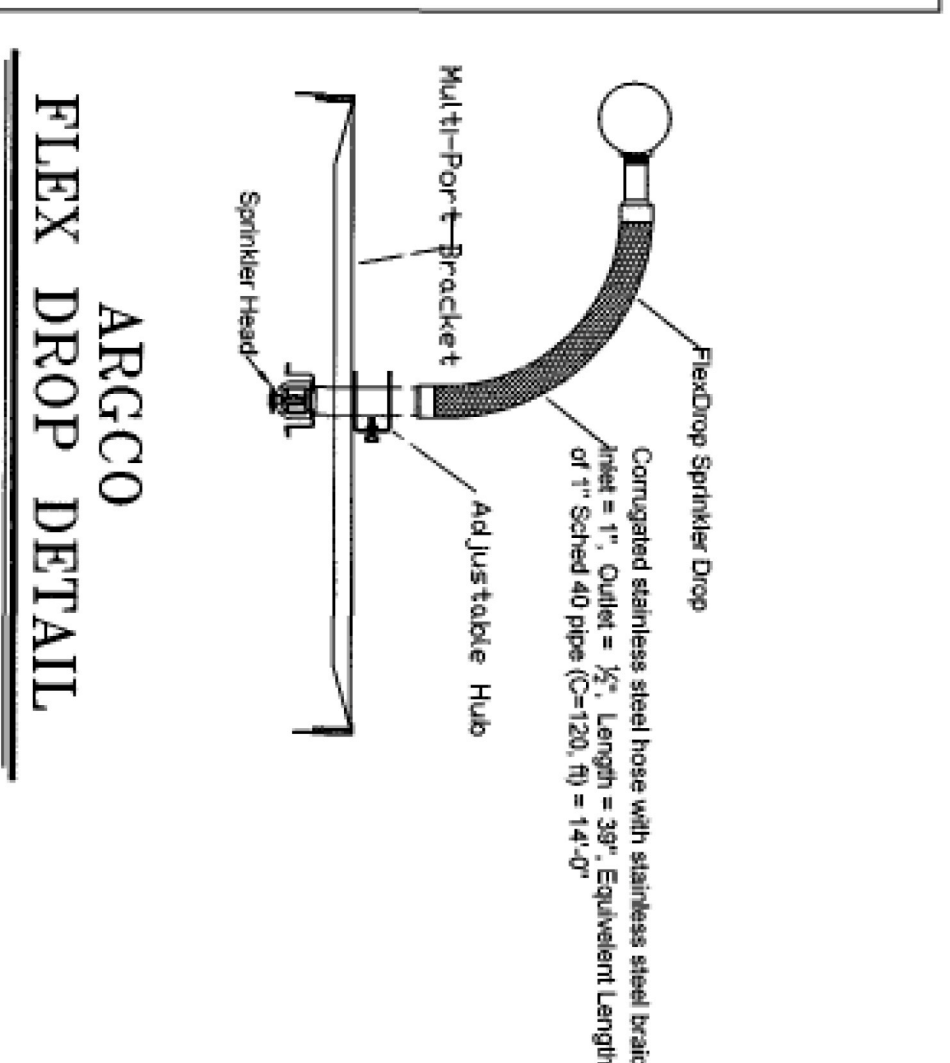
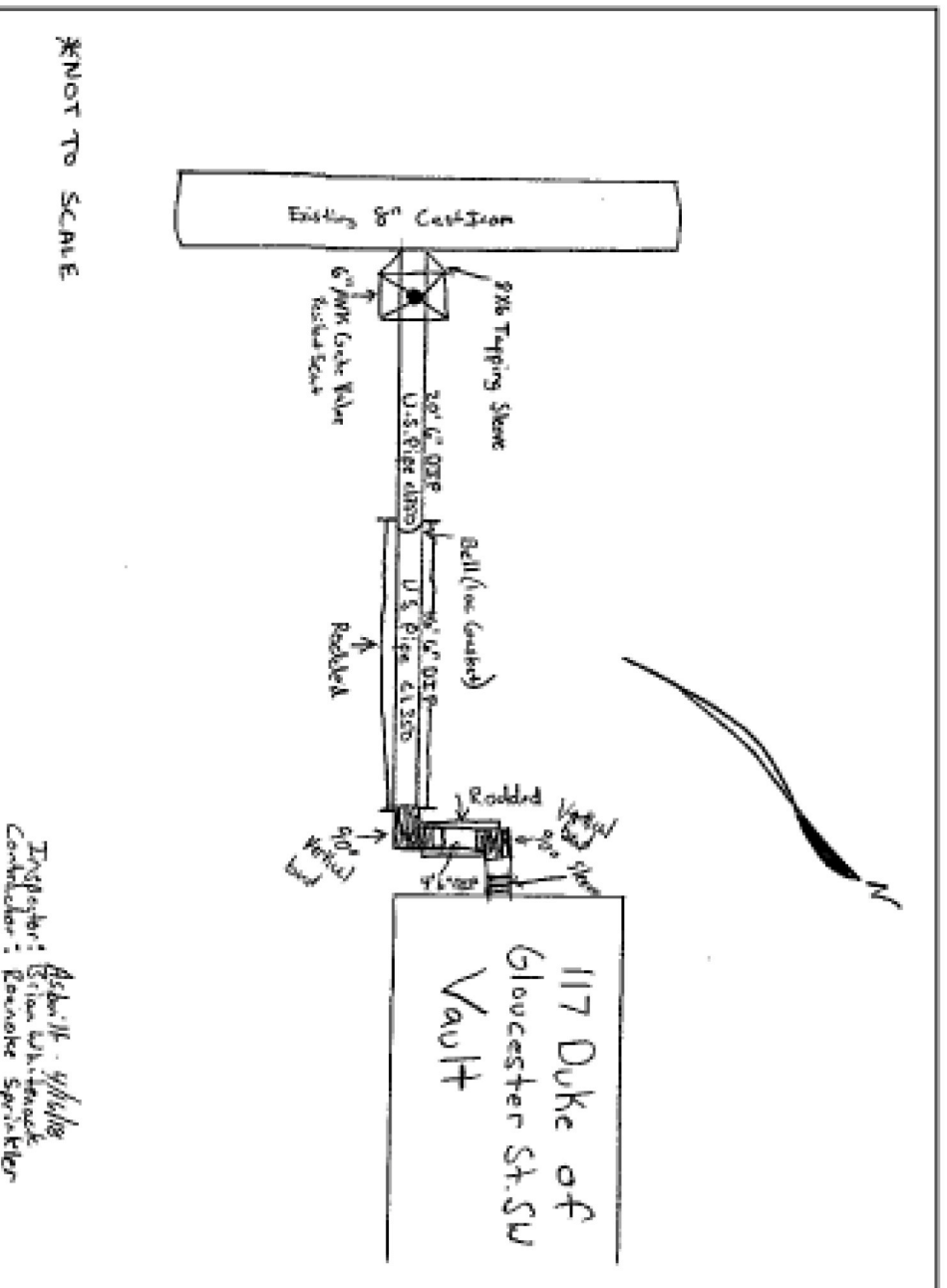


MAXIMUM HANGER SPACING
FROM END OF PIPE

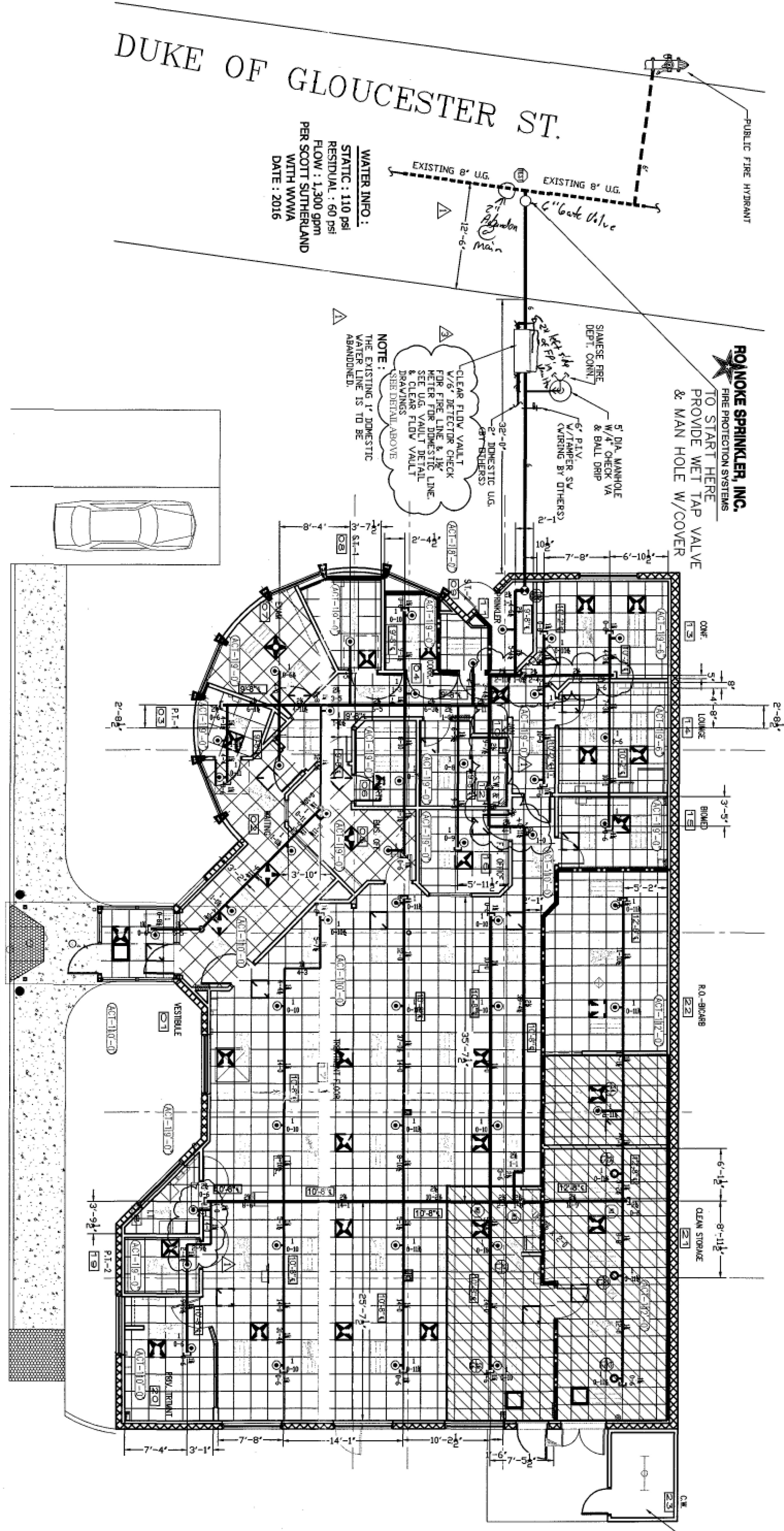


GENERAL NOTES:

1. IT IS THE OWNER'S RESPONSIBILITIES TO MAINTAIN HEAT AT A MINIMUM OF 40° F. IN ALL AREAS OF WET PITS AND TUNNELS.
2. ALL MATERIALS USED ON THIS SPRINKLER SYSTEM SHALL BE NEW AND IN COMPLETE COMPLIANCE WITH NFPA-13 (2010 edition).
3. COMPLIANCE WITH NFPA-13 (2010 edition) SHALL BE NEW AND IN COMPLETE COMPLIANCE WITH NFPA-13 (2010 edition).
4. ALL OVERSEEN SPRINKLER WORK TO BE IN ACCORDANCE WITH NFPA-13 (2010 edition).
5. REPORTS SHOWN FROM FINISH FLOOR UP TO CENTRALIZED SPRINKLER PIPING.
6. SLOPE ALL PIPING PER NFPA-13 (2010 edition).
7. ALL FIRE ALARM WORK AND WIRING BY OTHERS.

DETAIL COMMERCIAL METER VAULT

ARGCO
FLEX DROP DETAIL

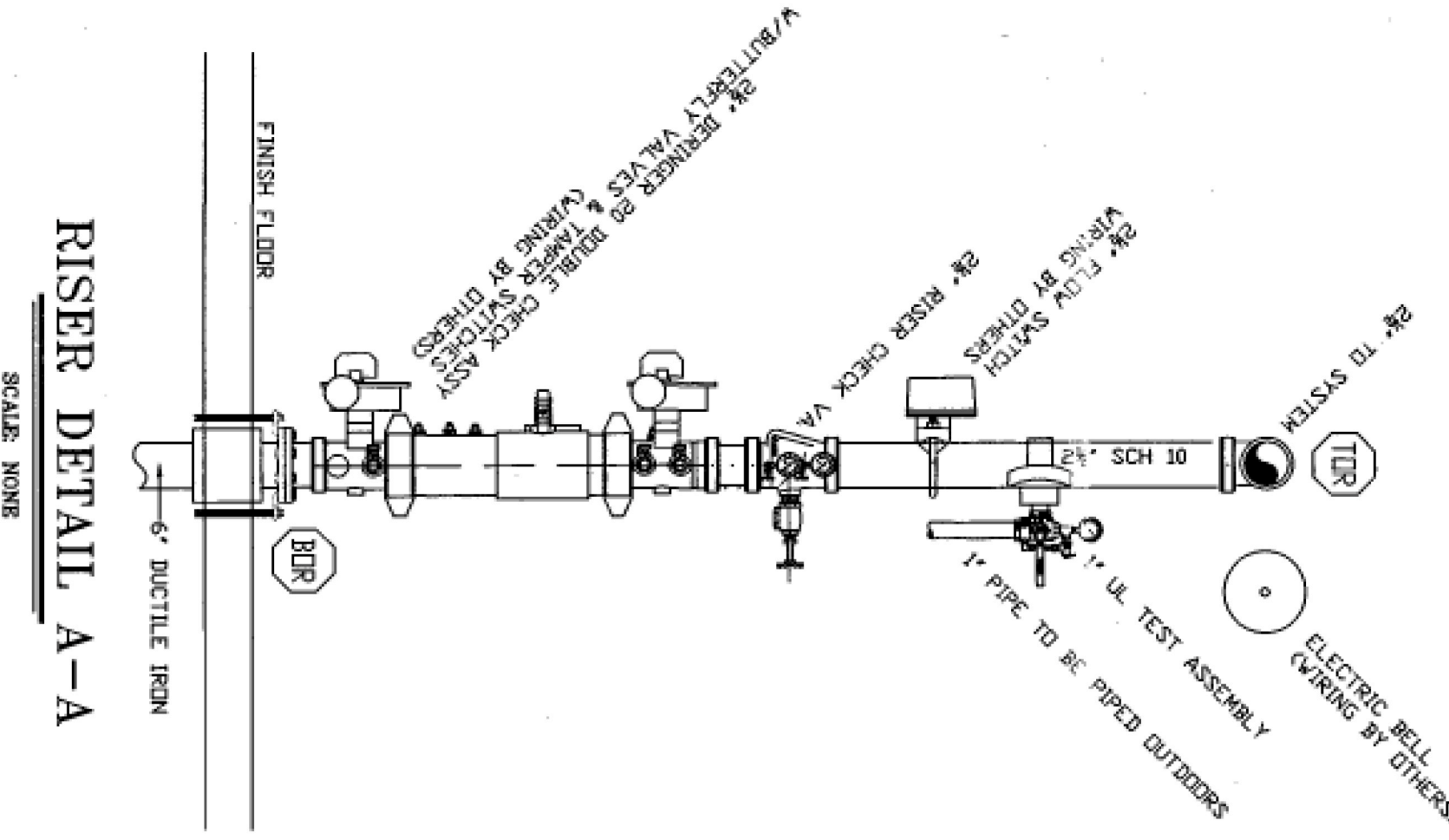


Design Area No. 1	-	Light & Ord GR
Density .16.15/moo	936	
Flow 450.96 gpm @	62.34	psi
Includes 250	gpm	Hose allowance

SAFETY FACTOR = 40.61 psi

SPRINKLER PLAN

NFPA-13 DESIGN (2010 edition)
SCALE: 1/8" = 1'-0"
PIPE TO BE 8" & ABOVE CEILINGS



MAXIMUM HANGER SPACING:

PIPE SIZE	MAXIMUM DISTANCE BETWEEN HANGERS
1"	12'-0"
1 1/4"	15'-0"
1 1/2"	15'-0"
2"	15'-0"
2 1/2"	15'-0"
4"	15'-0"
6"	15'-0"

HANGERS TO BE 6" MIN. FROM SPRINKLER HEADS

PLAN NORTH		SYSTEM DESIGN CRITERIA	
Type of System: ☒ Wet ☐ Dry	Preaction ☐ Other: _____	NEPA Standard #213	#137 #14 #20 #24
• Occupancy: <u>Unkwn Crtr</u> • Maximum Head Spraying: <u>225 & 255 ft</u> • Hazard: <u>Light & Ordinary Group 1</u> • Sprinkler: <u>ESFR</u> • Sprinkler Heating Center Point of Tiles • All 1" Piping to be Schedule 40 w/ threaded fittings • All Piping 1 1/2" and larger to be Schedule 160 w/ threaded ends & fittings • Minimum ambient temperature of air: <u>7</u> in all areas of Building to prevent freezing of Wet Portions of Sprinkler Systems			
			

SYMBOLS	
Symbol	Description
	Hydraulic Reference Points
g-0/ACT	Acoustical Ceiling Height
g-0/0YP	Gypsum Board Ceiling Height
12"*	Clearance of Pipe From Bottom of Deck
g-0/4	Center of Pipe From Finish Floor
	Denotes Pipe Hanger
	End Cap on Pipe
E=extended coverage Circuit/rk response S=standard response SMTL=stairwell	

Pullin Hanger ☐	Steel Hanger ☒
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[illegible][illegible]

REVISIONS	COMMENTS	DATE	REVISIONS
1	MOVE PINS TO AVOID ELECTRICAL PANELS	12-19-17	1
	REVIEW PER WWW.REVIEW.COMMENTS DATED 12-28-17	12-27-17	2
	REVISE DOMESTIC WATER HOLE 2" TO 1 1/2"	1-25-18	3

		1334 7TH STREET N.E. ROANOKE, VIRGINIA 24012 (540) 981-0009 FAX (540) 981-1012	
JOB No.		SPRINKLER PLAN, DETAILS, & NOTES	SHEET No.
DATE	12/5/17	U.S. RENAL CARE	2
DRAWN	AS NOTED	117 DUKE OF GLOUCESTER ST., S.W. ROANOKE, VA., 24014	OF 2

SCALE: $\frac{1}{2}'' = 1'-0''$
2' 4' 6' 8' 10' 12'

SCALE: $\frac{1}{2}'' = 1'-0''$
2' 4' 6'

SCALE: $\frac{1}{2}'' = 1'-0''$
2' 4'

ROANOKE SPRINKLER, INC.
FIRE PROTECTION SYSTEMS

CLIENT : A.P. WILLIAMS, INC

CLAUDE P. RICHMOND
NATIONAL SCHOOL TECHNICAL
LEVEL IV
NICET CERTIFIED
AUTOMATIC FIRE SPRINKLER
NO. 62735