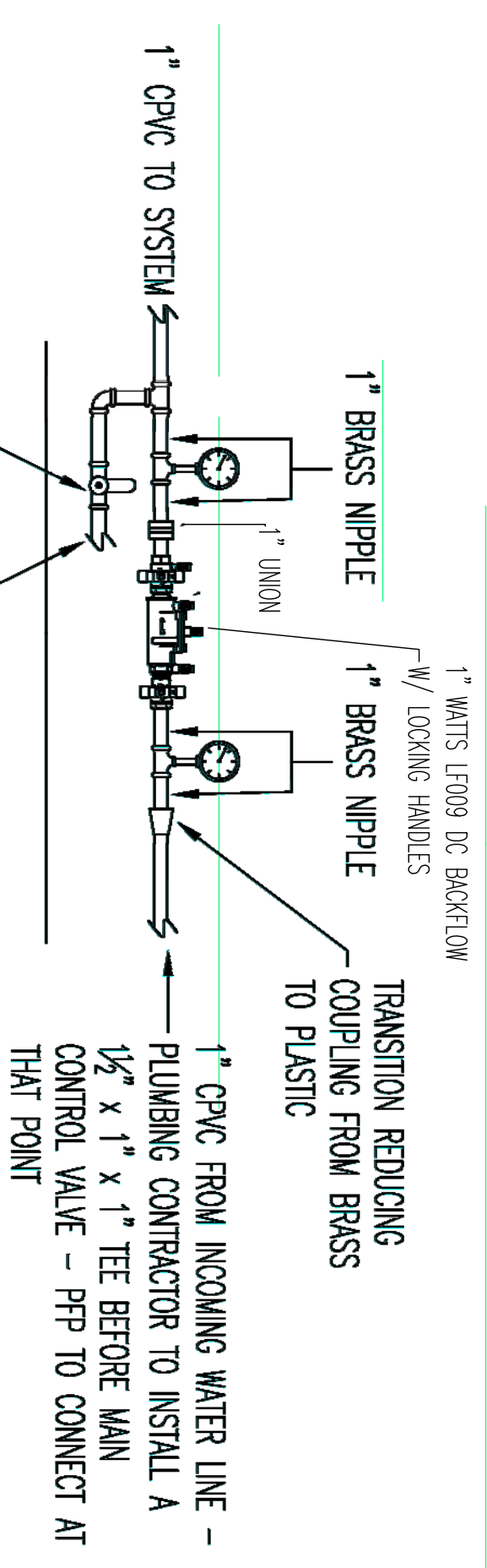


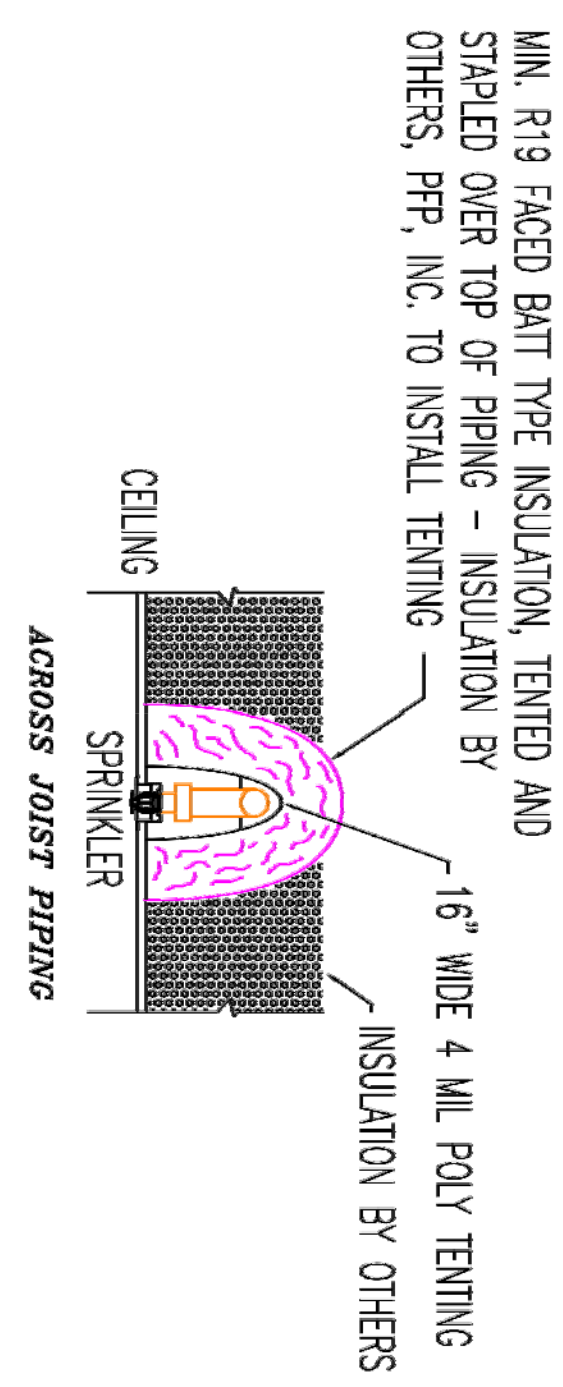
1.5x. DESIGNER RESPONSIBLE FOR THE PROTECTION PER DESIGN AREA. PROTECTION FROM NON-APPLICABLE AND SPECIFICATION OF OTHER MATERIALS TO BE PROVIDED BY CONTRACTOR.

Design Area No. 1
Density 0.05 Area 1 HEAD
Flow 21 gpm @ 52 psi
Includes N/A gpm Hose allowance

Design Area No. 2
Density 27 Area 2 HEAD
Flow 27 gpm @ 54 psi
Includes N/A gpm Hose allowance



PCA (BACKFLOW) DETAIL
Not to Scale



INSULATION DETAIL
Not to Scale

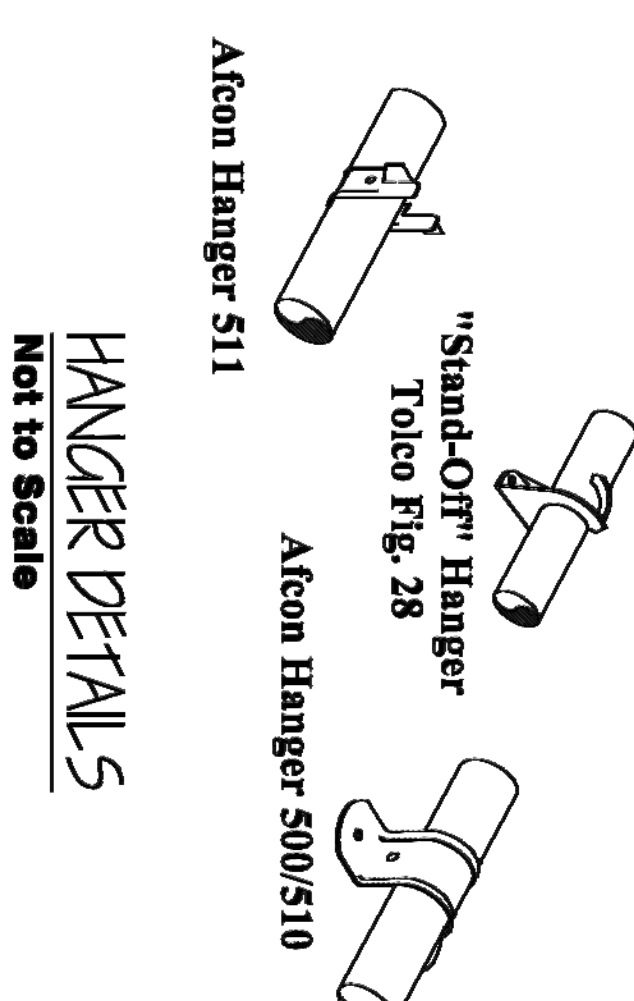
MIN. R19 FACED BATT TYPE INSULATION, TENED AND STAPLED OVER TOP OF PIPING - INSULATION BY OTHERS, PFP, INC. TO INSTALL TENNING

MIN. R19 FACED BATT TYPE INSULATION, TENED AND STAPLED OVER TOP OF PIPING - INSULATION BY OTHERS, PFP, INC. TO INSTALL TENNING

A HANGER MUST BE INSTALLED WITHIN 12" OF AN END OF LINE SPRINKLER HEAD OR 90° ELL AND WITHIN 5.0" OF AN INLINE TEE

Minimum Allowable Hanger Distances
Per Length of CPVC Tubing

PIPE SIZE	1 Hanger	2 Hangers	3 Hangers
0'-0" - 5'-6"	5'-7" - 11'-0"	11'-1" - 16'-6"	
0'-0" - 6'-0"	6'-1" - 12'-0"	12'-1" - 18'-0"	
0'-0" - 6'-6"	6'-7" - 13'-0"	13'-1" - 19'-6"	
0'-0" - 7'-0"	7'-1" - 14'-0"	14'-1" - 21'-0"	
0'-0" - 8'-0"	8'-1" - 16'-0"	16'-1" - 24'-0"	
0'-0" - 9'-0"	9'-1" - 18'-0"	18'-1" - 27'-0"	
0'-0" - 10'-0"	10'-1" - 20'-0"	20'-1" - 30'-0"	



GENERAL FIRE PROTECTION NOTES

- * ALL WORKMANSHIP AND MATERIALS SHALL BE PER NFPA 130 STANDARDS AND ALL APPLICABLE LOCAL CODES.
- * IT IS THE BUILDING OWNER'S RESPONSIBILITY TO PROVIDE ADEQUATE HEAT, 40° OR HIGHER, FOR ALL AREAS OF THE BUILDING THAT CONTAIN WATER FILLED SPRINKLER SYSTEM PIPING. (SEE INSULATION DETAILS)
- * OUTING OF STRUCTURAL OR ARCHITECTURAL MEMBERS ARE TO BE RECORDED ONLY WITH THE WRITTEN APPROVAL OF THE ARCHITECT OR STRUCTURAL ENGINEER.
- * ANY REAR WALL OR FLOOR PENETRATIONS ARE TO BE FIRE STOPPED PER THE APPLICABLE DETAIL.
- * FIRE PROTECTION, I.T.C. MANAGEMENT
- * ALL CHANGES MADE DURING INSTALLATION SHALL BE RECORDED AND RETURNED TO THE DESIGN DEPARTMENT FOR AS-BUILT RECORDS.
- * THE JOB PERSONNEL IS TO REVIEW ALL NOTES AND DETAILS BEFORE STARTING INSTALLATION, BRING ANY DISCREPANCIES BETWEEN THE PLAN AND ACTUAL FIELD CONDITIONS TO THE CONSTRUCTION AND DESIGN DEPARTMENTS' ATTENTION IMMEDIATELY.
- * ALL ELECTRICAL / ALARM DEVICES SHALL BE TIED INTO THE FIRE ALARM SYSTEM BY THE OWNER'S FIRE ALARM CONTRACTOR.
- * RELIABLE FIRE PROTECTION - SCORE OF WORK
- * STARTING 1'-0" AFT AT THE 1" PVC CONNECTION INSTALLED BY OTHERS, INSTALL A COMPLETE AND WORKING WET PIPE FIRE SPRINKLER SYSTEM DESIGNED BY NFPA 130 STANDARDS.
- * SPRINKLERS NOT REQUIRED IN BATHROOMS LESS THAN 55 SQ.FT.
- * SPRINKLERS NOT REQUIRED IN BATHROOMS LESS THAN 55 SQ.FT.
- * SPRINKLERS NOT REQUIRED IN GARAGES OR GARAGE PORCHES.
- * SPRINKLERS NOT REQUIRED IN ATTIC SPACE.
- * SYSTEM DESIGN STANDARDS / CRITERIA
- * NFPA 130 2013
- * 0.5 GPM/SQ.FT. OVER A MAXIMUM OF 1 & 2 SPRINKLERS
- * SPRINKLER SPACING -
- * RESIDENTIAL PROGRAM: NOT TO EXCEED 400 SQ. FT. MAX. 20" x 20" GAULF SPACING 10'
- * MINIMUM DISTANCE FROM WALLS IS 6'
- * MINIMUM DISTANCE FROM CEILING FAN IS 3'
- * ALL FIRE SPRINKLER PIPING TO BE CPVC TUBE WITH CPVC FITTINGS UNLESS
- * FIRE SPRINKLERS (NFPA 130) SYSTEM BRANCHES ARE TO BE REVIEWED BY THE PLUMBING INSPECTOR PER THE FIRE MARSHAL FOR APPROVAL AND PERMITTING.
- * BUILDING/PLUMBING INSPECTOR IS TO INSPECT AND WILL SIGN PFP ON INSTALLATION.

AREA #	SYSTEM TYPE	HAZARD CLASS	RISER #	SPRINKLER DESIGN AREA	DESIGN DENSITY	DESIGN AREA	DESIGN HEAD	DESIGN FLOW	# OF HEADS (O.C.T.)	HOSE ALLOWANCE	EDUCATION	TEST	SAFETY NUMBER	NOTES
1	RESIDENTIAL	RESIDENTIAL	400	0.05	SHOULD MEET NFPA 130	4.9	1	N/A	21	N/A	21	52	33	
2	RESIDENTIAL	RESIDENTIAL	144	0.05	2 HEADS (NFPA 130)	4.9	2	N/A	27	54	27	54	31	

REVISIONS	DATE	DESCRIPTION
1	12-09-20	ISSUE FOR PERMITTING
2	12-09-20	REVISED PER COMMENTS

RELIABLE PFP FIRE PROTECTION, LLC
32 PALM RD, DUMM, NC 28834 P: 910-890-1294 F: 910-890-1295

ADAMS RESIDENCE
219 HARPELL RD.
COATS, NC

DESIGNED BY: STEVE GENERAL CONTRACTORS, LLC
DRAWN BY: MICHAEL BLUMER
CHECKED BY: ROBERT DANLEY

DATE: 12-09-20