Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 11/15/17

AREA 1 (TEST) HEADS 101&102
FLOW REQUIRED: 32.1 GPM
PRESSURE REQUIRED AT PUMP: 41.3 PSI
16'-0" x 16'-0" SPACING

F1RES44 SPACING
16' X 16' MAXIMUM SPACING
16'-0" MAXIMUM BETWEEN SIDEWALLS
8'-0" MINIMUM BETWEEN SIDEWALLS
8'-0" MAX FROM LATERAL WALLS
16'-0" MAX FROM OPPOSITE WALLS

SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0" 427 SQFT PROTECTED

FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0" 998 SQFT PROTECTED

AREA 2 (test) HEADS 201&202
FLOW REQUIRED: 32.9 GPM
PRESSURE REQUIRED AT PUMP: 30.1 PSI
16'-0" x 16'-0" SPACING

BASEMENT PLAN
SCALE: 1/4" = 1'-0" 942 SQFT PROTECTED

AREA 3 (most remote) HEADS 201&202
FLOW REQUIRED: 38.2 GPM
PRESSURE REQUIRED AT PUMP: 27.2 PSI
16'-0" x 18'-0" SPACING

F1RES49 SPACING
(EXPOSED CPVC BASEMENT WITH WOOD FLOOR JOISTS)
14' X 16' MAXIMUM SPACING
14'-0" MAXIMUM BETWEEN PENDENTS ACROSS WOOD JOISTS
16'-0" MAXIMUM BETWEEN PENDENTS ALONG WOOD JOISTS
8'-0" MINIMUM BETWEEN PENDENTS
7'-0" MAXIMUM AWAY FROM WALLS ACROSS WOOD JOISTS
8'-0" MAXIMUM AWAY FROM WALLS ALONG WOOD JOISTS

SYSTEM RISER DETAIL
N.T.S.

SECTION
N.T.S.

T.R. ARNOLD & ASSOCIATES, INC. 4703 Chester Dr. Elkhart, IN 46516
State(s) MAINE
Accredited Evaluation and Inspection Agency
This document is certified as being in conformance with LISTED CODES
Aug 8, 2017
Approved By
Approval of this document does not authorize or approve any omission or deviation from the requirements of applicable State Laws.
TRA APPROVAL LIMITED TO FACTORY-BUILT MODULES ONLY.

GENERAL NOTES:

1. OWNER TO PROVIDE SUFFICIENT HEAT TO PREVENT WATER-FILLED SPRINKLER PIPING FROM FREEZING
2. OWNER TO MAINTAIN SYSTEM TO NFPA 13D STANDARDS / LOCAL ORDINANCES
3. HANGERS AND SUPPORTS TO BE INSTALLED PER NFPA 13D AND MANUFACTURERS INSTALLATION RECOMMENDATIONS
4. FLOW SWITCH TO BE WIRED TO LOCAL ALARM BELL OR SMOKE DETECTORS BY OTHERS
5. ELECTRIC PUMP, PANEL, SWITCHES AND BELL TO BE WIRED BY OTHERS
6. BUILDING IS OF COMBUSTIBLE MODULAR CONSTRUCTION
7. PLAN IS SUBJECT TO MINOR DEVIATIONS DUE TO SITE CONDITIONS AND/OR TRADE COORDINATION. DEVIATIONS SHALL NOT AFFECT SCOPE OF WORK OR CODE COMPLIANCE

DESIGN CRITERIA:

WORKMANSHIP, MATERIAL, AND DESIGN SHALL CONFORM TO NFPA 13D STANDARDS (2013 ED.) AND LOCAL REGULATIONS

PIPE SIZED BY HYDRAULIC CALCULATIONS AS PER NFPA 13D

MATERIAL:

UNLESS NOTED OTHERWISE
PIPING: BLAZEMASTER CPVC
FITTINGS: BLAZEMASTER CPVC

KEYED NOTES

1. SPRINKLERS ARE NOT REQUIRED IN BATHROOMS UNDER 55 FT² PER NFPA 13D:8.6.2
2. SPRINKLERS ARE NOT REQUIRED IN CLOSETS AND PANTRIES PER THE CONDITIONS OF NFPA 13D:8.6.3
3. SPRINKLERS ARE NOT REQUIRED IN GARAGES AND PORCHES PER NFPA 13D:8.6.4
4. SPRINKLERS ARE NOT REQUIRED IN ATTICS PER THE CONDITIONS OF NFPA 13D:8.6.5

LIFE SAFETY
Fire Protection, Inc.
97 Lower Jeffrey Road
Dublin, NH 03444
(603) 563-7700 phone
(603) 563-7070 fax
lifesafetyfire.com

SCALE 1/4"=1'-0"

LEGEND

	HYDRAULIC REFERENCE POINTS
	HANGER LOCATION
	PIPE RISE/DROP
0-0	CENTER OF PIPE ABOVE FLOOR (R.-in.)
0 Bfg	CENTER OF PIPE FROM BOTTOM OF DECK (in.)
	EXISTING PIPE TO REMAIN
	NEW PIPE INSTALLATION
	CEILING HEIGHT

SPRINKLER INFORMATION

TOTAL HEADS THIS JOB: 28

SYM	CNT	POSITION	FINISH	TEMP	K	NPT	SIN	MFG.	MODEL#
	15	SIDEWALL	WHITE	155	4.4	1/2"	R3531	RELIABLE	F1RES44
	8	PENDENT	BRASS	155	4.9	1/2"	R3516	RELIABLE	F1RES49
	3	PENDENT	WHITE	155	4.9	1/2"	RA0616	RELIABLE	RFC49
	2	DRYRESSW	WHITE	155	4.4	1/2"	RA5231	RELIABLE	F3RES44

ISLAND AVE 374
PEAKS ISLAND
PORTLAND, ME

CONTRACT WITH: LINDA CAPONE-NEWTON

REVISIONS

NO.	DATE	DESCRIPTION

SCALE: 1/4"=1'-0"
DRAWN BY: CJT
DATE: 07/07/17
JOB NUMBER: 17077
SHEET NUMBER: F1 of 1