



HYDRAULIC DATA:			
STORAGE AREA (AREA #1)			
BASIS OF DESIGN (NFPA 13)			
DENSITY	AREA OF COVERAGE		
.15	514 SF		
SPRINKLERS	TOTAL	THREAD	TEMP
7	1/2"	155'	
SYSTEM DEMAND AT BOR:			
PRESSURE	FLOW	HOSE	
56.75	122.55	250	
SAFETY MARGIN: 2.41 PSI			
OCCUPANCY: STORAGE			

HYDRAULIC DATA:			
APARTMENT UNIT (AREA #2)			
BASIS OF DESIGN (NFPA 13)			
DENSITY	AREA OF COVERAGE		
.0508	(4) RES. SPRK'S		
SPRINKLERS	TOTAL	ORIFICE	TEMP
4	7/16"	155'	
SYSTEM DEMAND AT BOR:			
PRESSURE	FLOW	HOSE	
39.4	52.74	100	
SAFETY MARGIN: 19.85 PSI			
OCCUPANCY: RESIDENTIAL			

HYDRAULIC DATA:			
APARTMENT UNIT (AREA #3)			
BASIS OF DESIGN (NFPA 13)			
DENSITY	AREA OF COVERAGE		
.0508	(4) RES. SPRK'S		
SPRINKLERS	TOTAL	THREAD	TEMP
4	1/2"	155'	
SYSTEM DEMAND AT BOR:			
PRESSURE	FLOW	HOSE	
55.5	52.64	100	
SAFETY MARGIN: 3.76 PSI			
OCCUPANCY: RESIDENTIAL			

**FIFTH FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"  
 FLR ELEV: 165.0'  
 TOTAL FLR AREA= 12,368 SF

**SPRINKLER HEAD INFORMATION, FOR THIS FLOOR ONLY**

QTY	SIZE	ORIFICE	K-FACTOR	DESCRIPTION	MODEL	TEMP	ESCUOTCHEON	SYMBOL
126	1/2"	7/16"	4.0	VIKING BRASS RESIDENTIAL HOR. SIDEWALL	VK486	155'	RECESSED	◻
54	1/2"	1/2"	5.6	VIKING BRASS "QR" UPRIGHT	VK300	200'	NONE	○

TOTAL HD'S= 180

PROJECT NAME:	<b>MOTHERHOUSE SENIOR HOUSING</b> 605 STEVENS AVE PORTLAND, ME. 04103	FIRE SPRINKLER PLANS AND DETAILS	RESIDENTIAL FIRE
CONTRACT WITH:	<b>PORTLAND BUILDERS, INC</b> 70 CENTER STREET, SUITE 304 PORTLAND, ME. 04101 PH: (207) 879-0118	REQUIRED APPROVALS: STATE FIRE MARSHALS OFFICE LOCAL FIRE DEPARTMENT OWNER	PROTECTION, LLC
DRAWN BY:	TPP	DATE:	7-27-2017
CHECKED BY:	SJC	SCALE:	1/8" = 1'-0"
CERTIFICATION #	100854	CONTRACT NO.	C17011
CONTRACTOR LICENSE #	511	DRAWING NO.	5 OF 5
CONTRACTOR RMS #	880		
<b>RESIDENTIAL FIRE PROTECTION</b> 64 DAGGETT HILL ROAD, GREENE, MAINE 04236 PH: (207) 946-3473 FAX: (207) 946-3474			