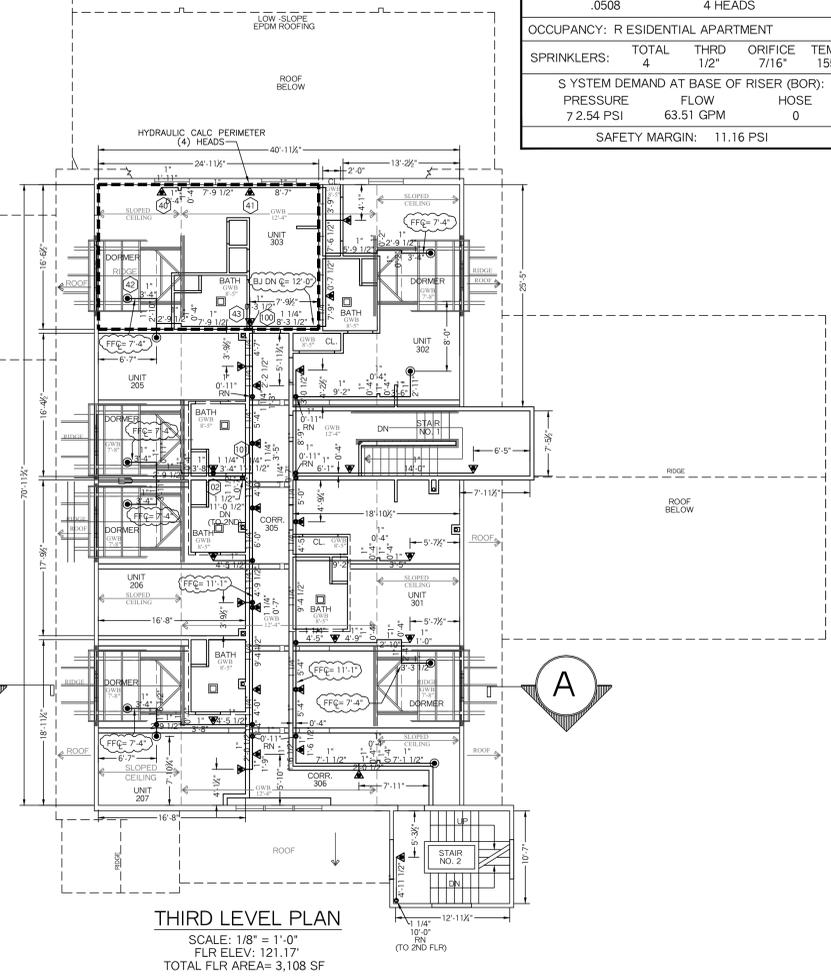


HYDRAULIC CALCULATION INFORMATION				
LOCATION: 2ND FLOOR APARTMENT (AREA #3)				
BASIS OF DESIGN: NFPA 13, 2007 EDITION				
DENSITY	AREA OF COVERAGE			
.0556	4 HEADS			
OCCUPANCY: RESIDENTIAL APARTMENT				
SPRINKLERS:	TOTAL	THRD	ORIFICE	TEMP
	4	1/2"	7/16"	155
SYSTEM DEMAND AT BASE OF RISER (BOR):				
PRESSURE	FLOW	HOSE		
65.81 PSI	65.17 GPM	0		
SAFETY MARGIN: 18.54 PSI				

SPRINKLER HEAD INFORMATION, FOR THIS FLOOR ONLY

QTY	SIZE	ORIFICE	K-FACTOR	DESCRIPTION	MODEL	TEMP	ESCUTCHEON	SYMBOL
16	1/2"	7/16"	4.0	VIKING RES. WHITE HOR. SIDEWALL	VK486	155	RECESSED	◀
36	1/2"	7/16"	4.9	VIKING RES. WHITE PENDENT	VK468	155	RECESSED	●

TOTAL HD'S= 52



SPRINKLER HEAD INFORMATION, FOR THIS FLOOR ONLY								
QTY	SIZE	ORIFICE	K-FACTOR	DESCRIPTION	MODEL	TEMP	ESCUTCHEON	SYMBOL
28	1/2"	7/16"	4.0	VIKING RES. WHITE HOR. SIDEWALL	VK486	155	RECESSED	◀
10	1/2"	7/16"	4.9	VIKING RES. WHITE UPRIGHT	VK467	155	NONE	●

TOTAL HD'S= 38

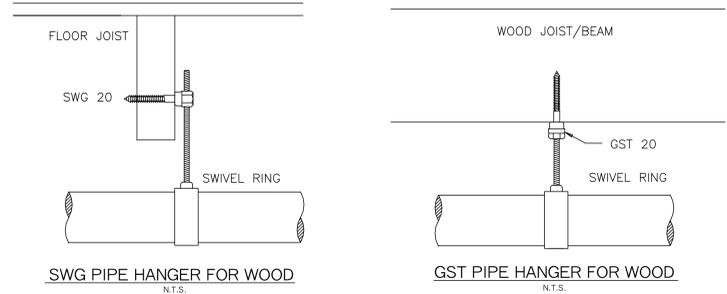
HYDRAULIC CALCULATION INFORMATION				
LOCATION: 3RD FLOOR APARTMENT (AREA #3)				
BASIS OF DESIGN: NFPA 13, 2007 EDITION				
DENSITY	AREA OF COVERAGE			
.0508	4 HEADS			
OCCUPANCY: RESIDENTIAL APARTMENT				
SPRINKLERS:	TOTAL	THRD	ORIFICE	TEMP
	4	1/2"	7/16"	155
SYSTEM DEMAND AT BASE OF RISER (BOR):				
PRESSURE	FLOW	HOSE		
72.54 PSI	63.51 GPM	0		
SAFETY MARGIN: 11.16 PSI				

SYSTEM GENERAL NOTES:

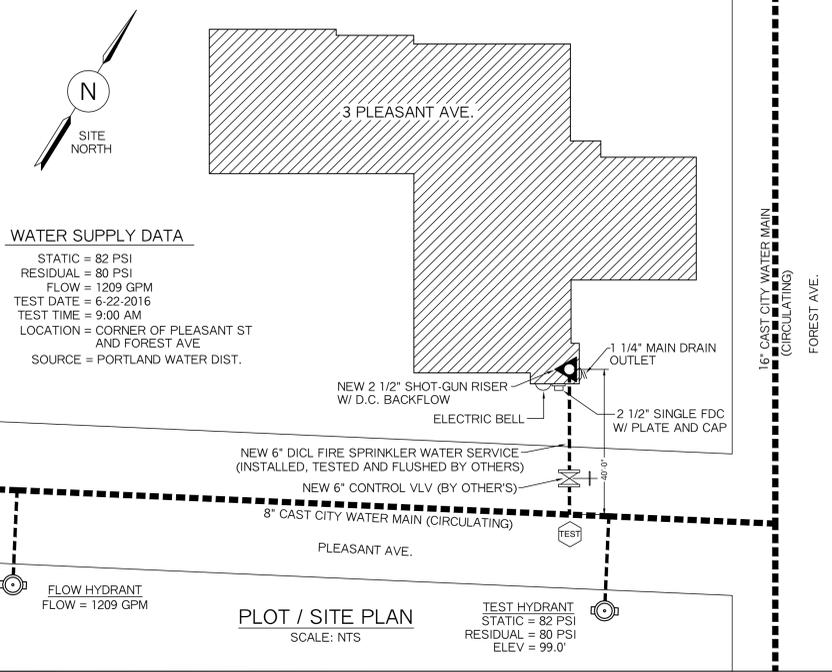
- A WET PIPE SYSTEM OF AUTOMATIC SPRINKLERS DESIGNED AND INSTALLED PER NFPA 13R (2016 EDITION)
- NEW 6" DICL UNDERGROUND SPRINKLER WATER LINE TO BE INSTALLED, TESTED AND FLUSHED BY OTHERS IN ACCORDANCE WITH NFPA 24 AND LOCAL CODES. RESIDENTIAL FIRE PROTECTION TO START AT UNI-FLANGE AT THE END OF 6" DICL SPIGOT IN THE BASEMENT.
- 2 1/2" SHOT-GUN VALVE RISER WITH A VERTICAL COLT "C200" DOUBLE CHECK BACKFLOW.
- EXPOSED LINE PIPING THROUGHOUT THE BUILDING TO BE SCHEDULE 40 BLACK STEEL WITH THREADED C.I. FITTINGS WITH EITHER AN UPRIGHT, PENDENT OR SIDEWALL HEADS ON LINE.
- CONCEALED PIPE TO HAVE WHITE RECESSED RESIDENTIAL PENDENT HEADS INSTALLED ON THE CEILINGS WITH DROPS AND WHITE RECESSED RESIDENTIAL SIDEWALL HEADS WILL BE INSTALLED ON THE WALLS.

NFPA 13R NOTES:

- SPRINKLERS SHALL BE INSTALLED IN ALL AREA'S EXCEPT THE FOLLOWING:
- BATHROOMS WHERE THE AREA DOES NOT EXCEED 55 SF
 - CLOTHES CLOSETS, LINEN CLOSETS AND PANTRIES THAT MEET THE FOLLOWING CONDITIONS:
 - THE AREA OF THE SPACE DOES NOT EXCEED 24 SF
 - THE LEAST DIMENSION DOES NOT EXCEED 3'-0"
 - THE WALLS AND CEILINGS ARE SURFACED WITH NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS.
 - PORCHES, BALCONIES, CORRIDORS AND STAIRS THAT ARE OPEN AND ATTACHED
 - ATTICS, PENTHOUSES, EQUIPMENT ROOMS, ELEVATOR MACHINE ROOMS, CONCEALED SPACES DEDICATED EXCLUSIVELY TO AND CONTAINING ONLY DWELLING UNIT VENTILATION EQUIPMENT, CRAWL SPACES, FLOOR/CEILING SPACES, NON-COMBUSTIBLE ELEVATOR SHAFTS WITH THE CAR IN COMPLIANCE WITH ANSI A17.1 "SAFETY CODE FOR ELEVATORS" AND OTHER CONCEALED SPACES THAT ARE NOT USED OR INTENDED FOR LIVING PURPOSES OR STORAGE AND DO NOT CONTAIN FUEL FIRED EQUIPMENT
 - CLOSETS ON EXTERIOR BALCONIES, REGARDLESS OF SIZE, AS LONG AS THERE ARE NO DOORS OR UNPROTECTED PENETRATIONS FROM THE CLOSET DIRECTLY INTO THE DWELLING UNIT.



HANGER DETAILS
N.T.S.



WATER SUPPLY DATA

STATIC = 82 PSI
RESIDUAL = 80 PSI
FLOW = 1209 GPM
TEST DATE = 6-22-2016
TEST TIME = 9:00 AM
LOCATION = CORNER OF PLEASANT ST AND FOREST AVE
SOURCE = PORTLAND WATER DIST.

PROJECT NAME: PLEASANT AVE APARTMENTS 3 PLEASANT AVE PORTLAND, ME. 04101	FIRE SPRINKLER PLANS AND DETAILS REQUIRED APPROVALS: STATE FIRE MARSHALS OFFICE LOCAL FIRE DEPARTMENT OWNER	RESIDENTIAL FIRE PROTECTION, LLC DATE: 6-30-2016
CONTRACT WITH: HARDYOND CONSTRUCTION 1039 RIVERSIDE STREET PORTLAND, ME. 04103 PH: (207) 797-6066	DRAWN BY: TPP NICET III (100864) CHECKED BY: SJC NICET III (09864) CONTRACTOR LICENSE #511 CONTRACTOR PMS #80	SCALE: 1/8" = 1'-0" CONTRACT NO. C16015 DRAWING NO. 2 OF 2
RESIDENTIAL FIRE PROTECTION 64 DAGGETT HILL ROAD, GREENE, MAINE 04236 PH: (207) 946-3473 FAX: (207) 946-3474		