

FIRE SPRINKLER PLAN - BASEMENT

SCALE: 1/8"=1'-0"
 AREA PROTECTED: 6108 SQ.FT.
 FINISH FLOOR ELEVATION: 39.50'
 COLOR CODE:

Symbol	Count	Thread	SN#	K-FACTOR	TEMP	Description	Note
○	66	1/2"	RA4425	5.6	200°	RELIABLE MODEL FIRE86 BRASS UPRIGHT	ON LINE
●	6	1"	RA714	5.6	200°	RELIABLE FLOOR FRT86 PENDENT	ON DRGP
◁	1	1/2"	RA1435	5.6	200°	RELIABLE WOOD FIRE86 HORIZONTAL	ON LINE

73 = Total Number of Heads Basement

FIRE SPRINKLER PLAN - FIRST FLOOR

SCALE: 1/8"=1'-0"
 AREA PROTECTED: 6279 SQ.FT.
 FINISH FLOOR ELEVATION: 49.33'
 COLOR CODE:

Symbol	Count	Thread	SN#	K-FACTOR	TEMP	Description	Note
○	65	1"	RA714	5.6	200°	RELIABLE MODEL F86 FRT PENDENT	ON DRGP
●	2	3/4"	RA882	8.0	200°	RELIABLE MODEL FIRE86 WHITE	HORIZONTAL SIGNAL
◁	1	1/2"	RA1435	5.6	200°	RELIABLE MODEL FIRE86 WHITE HORIZONTAL	ON LINE

68 = Total Number of Heads Basement

FIRE SPRINKLER PLAN - SECOND FLOOR

SCALE: 1/8"=1'-0"
 AREA PROTECTED: 6430 SQ.FT.
 FINISH FLOOR ELEVATION: 59.67'
 COLOR CODE:

Symbol	Count	Thread	SN#	K-FACTOR	TEMP	Description	Note
○	70	1/2"	RA414	5.6	200°	RELIABLE MODEL FIRE86 WHITE RECESSED ESC.	ON DRGP
●	13	1/2"	RA1414	5.6	200°	RELIABLE MODEL FIRE86 WHITE RECESSED ESC.	ABOVE / BELOW
●	28	1/2"	RA4454	5.6	212°	RELIABLE MODEL KFR-CSS COMBUSTIBLE CONCEALED SPACE UPRIGHT	ON LINE
●	8	1/2"	RA4454	5.6	212°	RELIABLE MODEL KFR-CSS COMBUSTIBLE CONCEALED SPACE UPRIGHT	ON SPRNG
●	10	1/2"	RA1414	5.6	200°	RELIABLE MODEL FIRE86 BRASS PENDENT	ON DRGP
◁	2	3/4"	RA882	8.0	200°	RELIABLE MODEL FIRE86 WHITE HORIZONTAL SIGNAL	ON LINE

143 = Total Number of Heads Second Floor

FIRE SPRINKLER PLAN - THIRD FLOOR

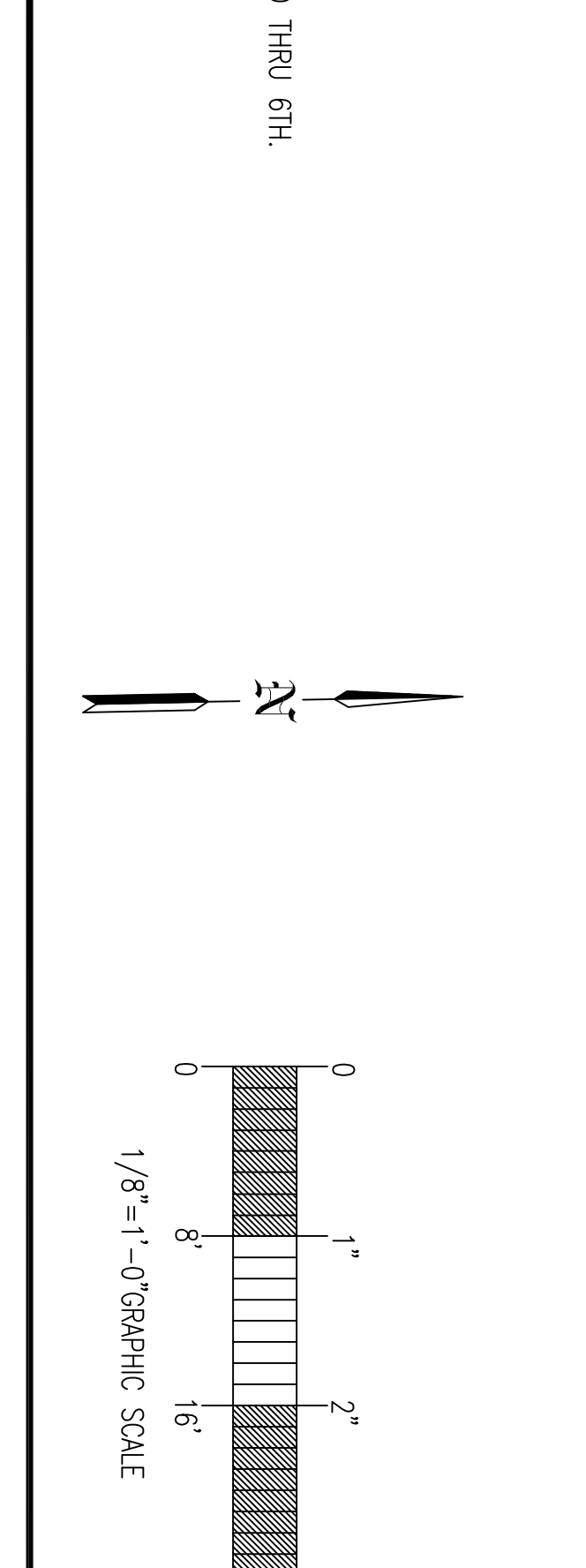
SCALE: 1/8"=1'-0"
 AREA PROTECTED: 6430 SQ.FT.
 FINISH FLOOR ELEVATION: 72.00'
 COLOR CODE:

Symbol	Count	Thread	SN#	K-FACTOR	TEMP	Description	Note
○	70	1/2"	RA414	5.6	200°	RELIABLE MODEL FIRE86 WHITE RECESSED ESC.	ON DRGP
●	13	1/2"	RA1414	5.6	200°	RELIABLE MODEL FIRE86 WHITE RECESSED ESC.	ABOVE / BELOW
●	28	1/2"	RA4454	5.6	212°	RELIABLE MODEL KFR-CSS COMBUSTIBLE CONCEALED SPACE UPRIGHT	ON LINE
●	8	1/2"	RA4454	5.6	212°	RELIABLE MODEL KFR-CSS COMBUSTIBLE CONCEALED SPACE UPRIGHT	ON SPRNG
●	10	1/2"	RA1414	5.6	200°	RELIABLE MODEL FIRE86 BRASS PENDENT	ON DRGP
◁	2	3/4"	RA882	8.0	200°	RELIABLE MODEL FIRE86 WHITE HORIZONTAL SIGNAL	ON LINE

143 = Total Number of Heads Third Floor

AS PER NFPA 13, 2016 PAB 8.16.2.3.1 DRY SYSTEM BRASS LINE PIPING SHALL BE PROVIDED AT LEAST 1/2" PER 10'-0" MAIN PIPING SHALL BE PROVIDED AT LEAST 1/4" PER 10'-0"

INDICATES NEW DRY SYSTEM BLACK STEEL PIPE
 INDICATES NEW WET SYSTEM BLACK STEEL PIPE
 FLOORS 2ND THRU 6TH



GENERAL NOTES

SPRINKLER SYSTEM INSTALLATION TO COMPLY WITH NFPA13 (2016) AND NFPA14 (2013)
 DRY SYSTEM AND DEPOSED WET SYSTEM BRASS LINE PIPING TO BE BLACK STEEL
 SCHEDULE 40 JOINED BY THREADED DOUBLE END FITTINGS
 DRY SYSTEM AND STAMPED WET SYSTEM MAIN PIPING TO BE BLACK STEEL SCHEDULE 40 WITH GROOVED ENDS AND WELDED OUTLETS JOINED BY MECHANICAL CHANGES
 TWO THIRD FLOOR FLOORS CONCEALED WET SYSTEM 1" THRU 2" PIPING TO BE CPVC PLASTIC
 OWNER TO PROVIDE SUFFICIENT HEAT THROUGHOUT BUILDING TO PREVENT FREEZING OF WATER FILLED SPRINKLER PIPING & EQUIPMENT (MIN 40° F) EXCEPT FOR BASEMENT AND FRESH FLOOR PARKING LEVELS

REVISIONS

DATE	REVISIONS

REQUIRED APPROVALS

OWNER / ARCHITECT	STATE FIRE MARSHAL	PORTLAND FIRE DEPARTMENT
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CONTRACTOR GEN# 093088
 CHECKED BY JMD / GEN# 118803
 CONTRACTOR LICENSE # 101

CONTRACT WITH: LANOR / FRENCH CONSTRUCTION CO.
 167 NEWBURY ST., PORTLAND, MAINE
EASTERN FIRE PROTECTION
 AUBURN/LEWISTON INDUSTRIAL
 AUBURN, MAINE 04270

FIRE SPRINKLER PLANS & DETAILS
 DWG. NO. 2 OF 3
 JOB NUMBER AU-5537-16
 SCALE AS NOTED
 DATE 12-2-16