

FIRE PROTECTION SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(A)	ABANDON IN PLACE
AFF	ABOVE FINISHED FLOOR
AS	AUTOMATIC SPRINKLER
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DECK
BOP	BOTTOM OF PIPE
BOR	BOTTOM OF RISER
BV	BUTTERFLY VALVE
C	CENTER LINE
CV	CHECK VALVE
(X)	DEMOLITION
DDCV	DOUBLE DETECTOR CHECK VALVE ASSEMBLY
DN	DROP NIPPLE
EL	ELEVATION
(E)	EXISTING
EC	EXTENDED COVERAGE
F	FAHRENHEIT
FT	FEET
FF	FINISHED FLOOR
FDC	FIRE DEPARTMENT CONNECTION
FFL	FLOOR FLANGE
FS	FLOW SWITCH
(F)	FUTURE
GPM	GALLONS PER MINUTE
GV	GATE VALVE
G	GRADE
H	HANGER
HSW	HORIZONTAL SIDE WALL
HV	HOSE VALVE
IN	INCHES
ID	INSIDE DIAMETER
MAX	MAXIMUM
MIN	MINIMUM
(N)	NEW
N&C	NIPPLE AND CAP
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OBJ	OPEN BAR JOIST
OD	OUTSIDE DIAMETER
OS & Y	OUTSIDE SCREW & YOKE
PIV	POST INDICATOR VALVE
PS	PRESSURE SWITCH
(R)	RELOCATE/RELOCATED LOCATION
RN	RISER NIPPLE
RM	ROOF MANIFOLD
SOV	SHUT OFF VALVE
SF	SQUARE FEET
SSP	STANDARD SPRAY PENDENT
SSU	STANDARD SPRAY UPRIGHT
SP	STANDPIPE
SB	SWAY BRACE
TS	TAMPER SWITCH
TOB	TOP OF BEAM
TOP	TOP OF PIPE
TOR	TOP OF RISER
TOS	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

Control

	BELL/GONG
	CONTROL PANEL
	FLOW DETECTION SWITCH
	PRESSURE GAUGE
	TAMPER DETECTOR

General

	CONTINUATION
	DETAIL NUMBER AND SHEET LOCATION
	EQUIPMENT IDENTIFICATION
	KEYED NOTE
	PIPE OR CONDUIT BELOW GRADE
	POINT OF CONNECTION
	SECTION NUMBER AND SHEET LOCATION
	DEMOLISH
	DEMOLISH (DASH-DOT)
	EXISTING WORK
	NEW WORK

Miscellaneous

	2-WAY SWAY BRACE
	4-WAY SWAY BRACE
	AUXILIARY DRAIN
	BRANCHLINE RESTRAINT (TEXT INDICATES TYPE)
	COUPLING
	ELEVATION ABOVE FINISHED FLOOR
	FLANGED COUPLING
	FLEXIBLE COUPLING
	GROOVED CAP

	GROOVED COUPLING
	HANGER (TEXT INDICATES TYPE)
	HYDRAULIC CALCULATION NODE
	RISER
	SCREWED CAP
	SCREWED PLUG
	UNION

Sprinkler Heads

	CONCEALED PENDENT SPRINKLER
	DRY PENDENT SPRINKLER
	DRY SIDEWALL SPRINKLER
	EC PENDENT SPRINKLER
	EC SIDEWALL SPRINKLER
	EC SPRINKLER
	HORIZONTAL SIDEWALL SPRINKLER
	PENDENT SPRINKLER
	PENDENT SPRINKLER WITH GUARD
	RECESSED PENDENT SPRINKLER (ACOUSTIC TILE CEILINGS)
	RECESSED PENDENT SPRINKLER (HARD LID CEILINGS)
	SPECIAL SPRINKLER
	UPRIGHT SPRINKLER
	UPRIGHT SPRINKLER
	UPRIGHT SPRINKLER WITH GUARD

Valves

	ALARM CHECK VALVE, ELEVATION VIEW
	ALARM CHECK VALVE, PLAN VIEW
	CHECK VALVE
	DRY VALVE
	INDICATING BUTTERFLY VALVE
	SPRINKLER DOUBLE DETECTOR CHECK VALVE ASSEMBLY
	VALVE WITH TAMPER SWITCH

Water Service

	DOUBLE CHECK BACKFLOW PREVENTER
	FIRE DEPARTMENT CONNECTION
	FLOOR CONTROL ASSEMBLY
	FREE STANDING F.D. CONNECTION
	O.S.&Y. VALVE
	POST INDICATOR VALVE
	REDUCED PRESSURE BACKFLOW PREVENTER
	STANDPIPE WITH HOSE CONNECTION
	THRUST BLOCK

GENERAL FIRE PROTECTION NOTES

- A. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS AND ADOPTED CODES AND STANDARDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO AHJ.
- B. FIRE PROTECTION PLANS ARE CONCEPTUAL AND NOT INTENDED TO SHOW THE FIRE PROTECTION SYSTEM IN ITS ENTIRETY.
- C. SCOPE OF WORK IS TO PROVIDE A FIRE PROTECTION SYSTEM DESIGN IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13, 2013 EDITION.

HAZARD CLASSIFICATIONS

OCCUPANCY	DESCRIPTION	MAX SPRINKLER SPACING	DESIGN DENSITY	REMOTE AREA
RESIDENTIAL 13R	RESIDENTIAL AND ADJOINING SPACES.	PER SPRINKLER HEAD LISTING	PER SPRINKLER HEAD LISTING	4 HEADS
RESIDENTIAL 13R	STORAGE ROOMS (BASEMENT)	130 SQ FT	SEE NFPA 13R SECTION 7.2.4.1.	4 HEADS
RESIDENTIAL 13R	UNFINISHED BASEMENT	225 SQ FT	SEE NFPA 13R SECTION 7.2.4.1.	4 HEADS

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Construction Documents for:
ARLINGTON COUNTY DHS GROUP HOME
 1212 S. IRVING ST.
 ARLINGTON, VA 22204

Project: 19296-01

Issued 10/21/2020

100% BID

Revisions

1 Addendum No. 1 03.25.2021

SYMBOL LIST AND GENERAL NOTES - FIRE PROTECTION

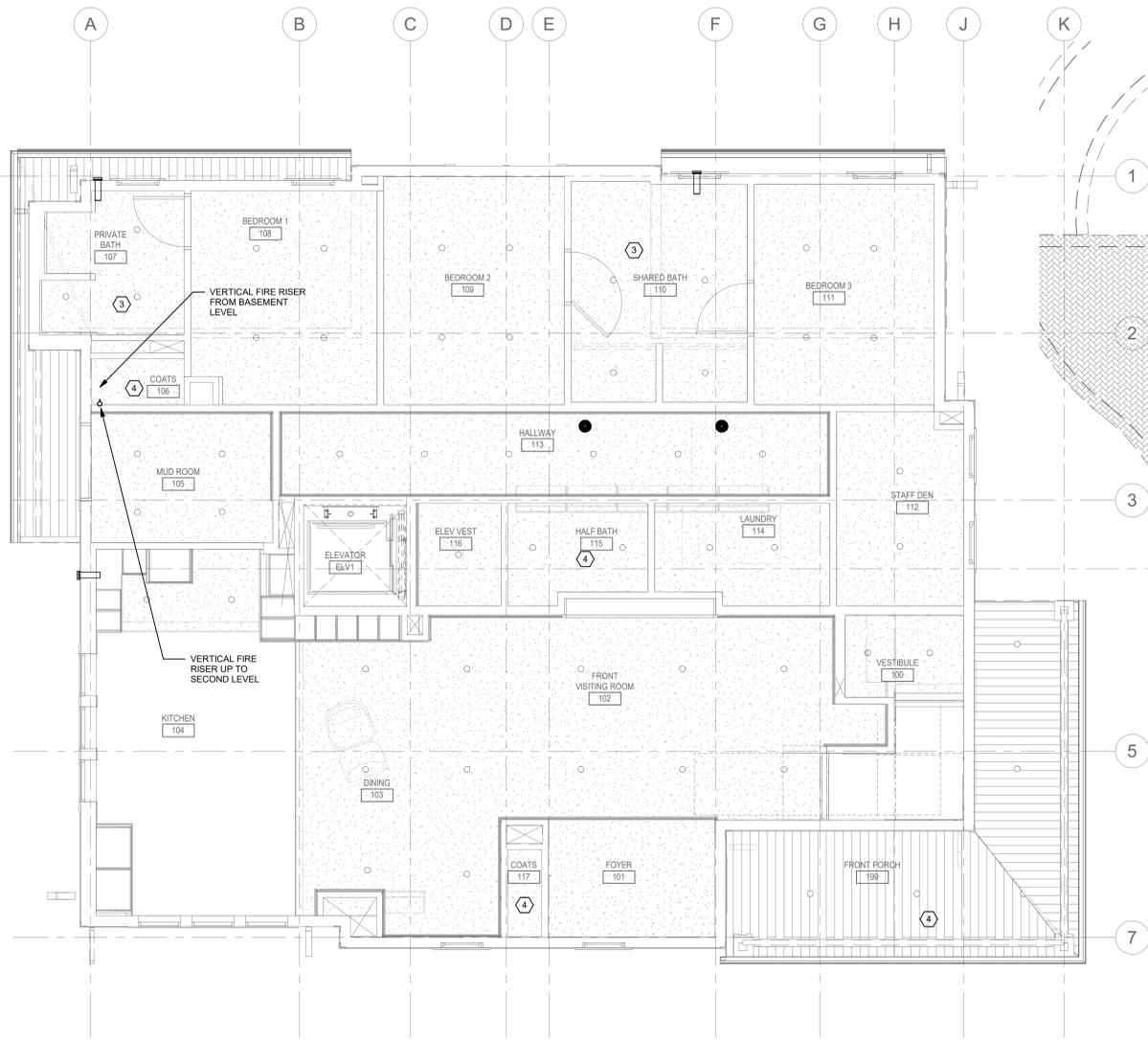
Scale
 Drawn DEK
 Checked JN

FP001

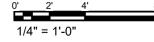
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SHEET INDEX

FP001	SYMBOL LIST AND GENERAL NOTES - FIRE PROTECTION
FP101	FLOOR PLANS - BASEMENT & GROUND LEVEL - FIRE PROTECTION
FP102	FLOOR PLANS - 2ND LEVEL - FIRE PROTECTION



2 GROUND LEVEL FIRE PROTECTION PLAN - OVERALL

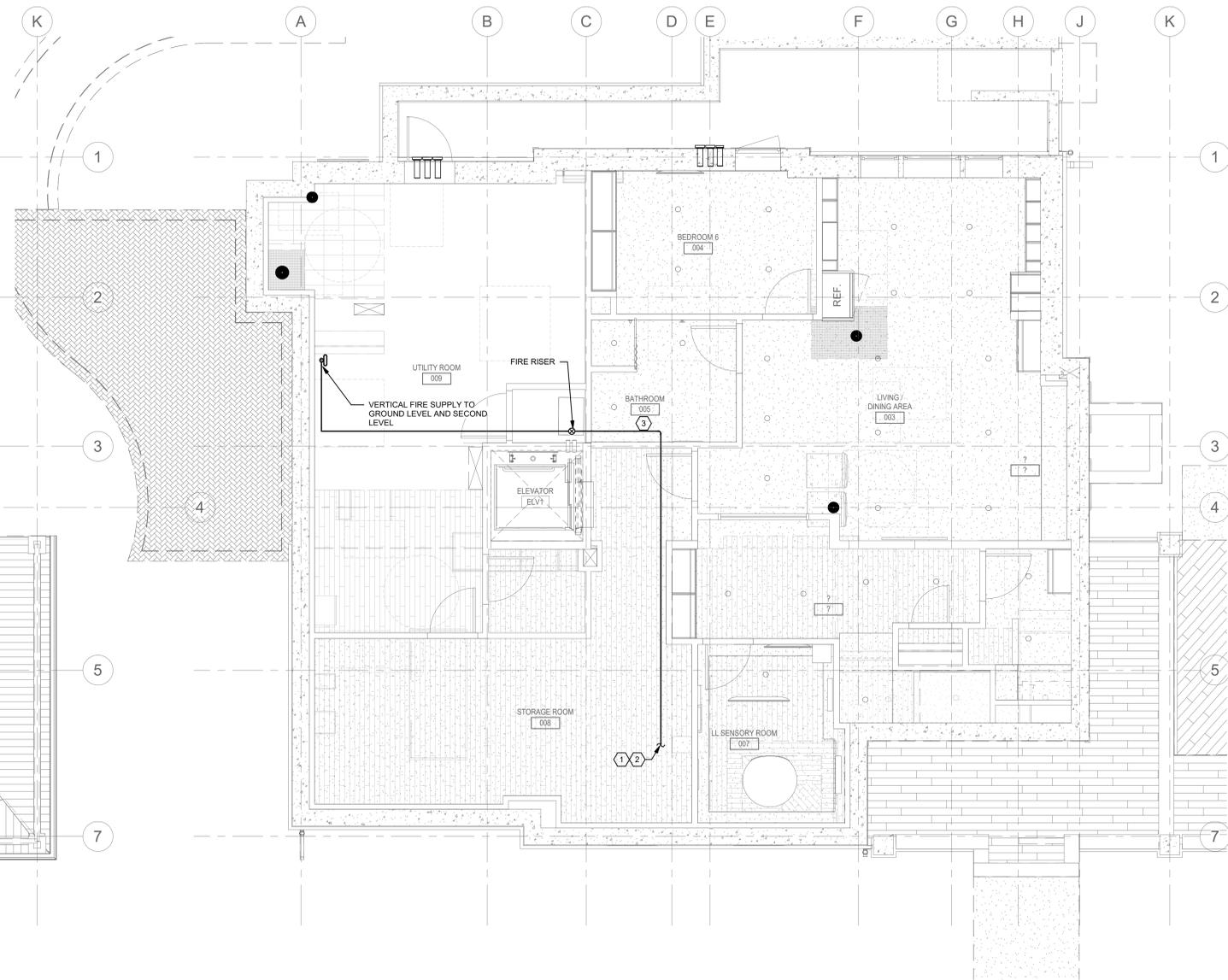


GENERAL FIRE PROTECTION NOTES

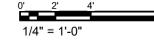
- A. PROVIDED LISTED RESIDENTIAL TYPE SPRINKLER HEADS INSIDE THE DWELLING UNITS AND RESIDENTIAL USE SPACES. SPRINKLERS INSTALLED OUTSIDE OF THE DWELLING UNIT TO COMPLY WITH NFPA 13R SECTION 6.2.2.
- B. FIRE SPRINKLERS SHALL NOT BE REQUIRED IN BATHROOMS WHERE THE BATHROOM DOES NOT EXCEED 55 SF.
- C. FIRE SPRINKLERS SHALL NOT BE REQUIRED IN CLOTHES CLOSETS, LINEN CLOSETSM AND PANTRIES WITHIN DWELLING UNITS WHERE THE AREA DOES NOT EXCEED 24 SF, THE LEAST DIMENSION DOES NOT EXCEED 9 FT AND THE WALLS AND CEILINGS ARE SURFACED WITH NONCOMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIALS AS DEFINED BY NFPA 220 (NFPA 13R (2013) 6.6.3.)
- D. SPRINKLERS SHALL NOT BE REQUIRED IN ANY PORCHES, BALCONIES, CARPORTS, PORTE COCHERES, AND STAIRS THAT ARE OPEN AND ATTACHED (NFPA 13R (2013) 6.6.5).
- E. SPRINKLERS SHALL NOT BE REQUIRED IN ATTICS, PENTHOUSE EQUIPMENT ROOMS, ELEVATOR MACHINE ROOMS, CONCEALED SPACES DEDICATED EXCLUSIVELY TO AND CONTAINING ONLY DWELLING UNIT VENTILATION EQUIPMENT, CRAWL SPACES, FLOOR / CEILING SPACES, NONCOMBUSTIBLE ELEVATOR SHAFTS WHERE THE ELVETATOR CARS COMPLY WITH ANSI A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS, AND OTHER CONCEALED SPACES THAT ARE NOT USED OR INTENDED FOR LIVING PURPOSES OR STORAGE AND DO NOT CONTAIN FUEL FIRE EQUIPMENT (NFPA 13R (2013) 6.6.6).

SHEET KEYNOTES

- 1 1-1/2" FIRE SERVICE, FED FROM 1-1/2" ENTERING DOMESTIC WATER SERVICE; REFER TO PLUMBING DRAWINGS FOR CONTINUATION.
- 2 PROVIDE 1-1/2" TYCO RSV-1 RESIDENTIAL SHUTOFF VALVE AT DOMESTIC SERVICE.
- 3 SPACE DOES NOT MEET NFPA 13R REQUIREMENTS FOR ALLOWING SPRINKLERS TO BE OMITTED. PROVIDE SPRINKLER PROTECTION.
- 4 NFPA 13R REQUIREMENTS ARE MET. FIRE SPRINKLERS ARE PERMITTED TO BE OMITTED IN THIS SPACE.



1 BASEMENT LEVEL FIRE PROTECTION PLAN - OVERALL



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FLOOR PLANS - BASEMENT & GROUND LEVEL - FIRE PROTECTION

Scale 1/4" = 1'-0"
 Drawn DEK
 Checked JN

FP101

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