

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

SPRINKLER DESIGN CHART		
	PATIENT STORAGE AREAS	ALL OTHER AREAS
OCCUPANCY CLASSIFICATION:	ORDINARY GROUP 1	LIGHT
TYPE OF SPRINKLER SYSTEM:	WET PIPE	WET PIPE
DESIGN AREA OF WATER APPLICATION:	1500 SQ FT	1500 SQ FT
MINIMUM DENSITY:	.15 GPM/SQ FT	.10 GPM/SQ FT
MAXIMUM AREA PER SPRINKLER:	130 SQ FT	225 SQ FT
MINIMUM SPRINKLER TEMPERATURE RATING:	155°F	155°F
SPRINKLER 'K' FACTOR:	K=5.6	K=5.6
SPRINKLER TYPE:	QUICK RESPONSE INSTITUTIONAL PENDENT	QUICK RESPONSE RECESSED OR INSTITUTIONAL PENDENT AS INDICATED

FOOTNOTES:
1. FIRE SPRINKLER WATER DEMAND INDICATED ABOVE PENDING INSURANCE UNDERWRITER AND AUTHORITY HAVING JURISDICTION APPROVAL.
2. REFER TO SPECIFICATIONS FOR REQUIREMENTS OF MATERIALS, COLOR, FINISHES, INSTALLATION, APPROVED EQUAL MANUFACTURERS, ETC..

FIRE PROTECTION SYMBOL AND ABBREVIATION SCHEDULE

EX F	EX FIRE PROTECTION DISTRIBUTION LINE	⊙	EX RECESSED PENDENT SPRINKLER
EX FS	EX FIRE SPRINKLER LINE	●	RECESSED PENDENT SPRINKLER
	EX SUPERVISED VALVE	⊙	EX INSTITUTIONAL PENDENT SPRINKLER
	EX FLOW SWITCH	●	INSTITUTIONAL PENDENT SPRINKLER
	EX TEST AND DRAIN VALVE	○	EX UPRIGHT SPRINKLER WITH CAGE GUARD
	POINT OF DISCONNECTION	○	UPRIGHT SPRINKLER WITH CAGE GUARD
	NEW TO EXISTING CONNECTION	xx	INDICATES NOTE LOCATED ELSEWHERE ON DRAWING AND NOTE NUMBER
	SPRINKLER ZONE BOUNDARY LINE	ABV	ABOVE
	INDICATES EXISTING ITEM TO BE REMOVED	BLW	BELOW
		CLG	CEILING
		EX	EXISTING
		TYP	TYPICAL

FIRE PROTECTION GENERAL NOTES

- SPRINKLER SYSTEM COMPONENTS ARE INDICATED ON THE DRAWING FOR REVIEW AND INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL COMPONENTS FOR A COMPLETE FIRE SUPPRESSION INSTALLATION AS PER THE INTENT OF THE PROJECT SCOPE OF WORK, SPECIFICATIONS AND THE VA DESIGN MANUAL. ALL SPRINKLER SYSTEM COMPONENT INSTALLATIONS SHALL CONFORM TO THE NFPA 13 AND VA REQUIREMENTS. PIPE SIZING SHALL BE BY HYDRAULIC CALCULATION.
- ALL SPRINKLERS SHALL BE PLACED IN THE CENTER OF CEILING TILES WHERE ACOUSTICAL CEILING TILES ARE LOCATED.
- THE CONTRACTOR SHALL COORDINATE SPRINKLER INSTALLATION IN ALL AREAS WITH LIGHTING AND DIFFUSER LOCATIONS.
- ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY CONTRACTOR AT THE SITE.
- ALL FIRE SPRINKLER PIPING SHALL BE CONCEALED ABOVE CEILING OR IN WALLS. IN AREAS WHERE THERE ARE NO CEILINGS THE CONTRACTOR SHALL INSTALL THE FIRE SPRINKLER PIPING AS HIGH AS CONDITIONS ALLOW.
- THE CONTRACTOR SHALL OBTAIN CURRENT FIRE HYDRANT FLOW TEST DATA, WHICH MUST BE FROM A TEST PERFORMED WITHIN THE PAST ONE YEAR PERIOD, OR SHALL PERFORM A NEW FIRE HYDRANT FLOW TEST TO OBTAIN DATA.
- THE CONTRACTOR SHALL LIMIT THE DESIGN WATER VELOCITIES OF HYDRAULICALLY DESIGNED SPRINKLER SYSTEMS TO NOT MORE THAN 20 FEET PER SECOND FOR ALL ABOVEGROUND SPRINKLER PIPING.

			ARCHITECT/ENGINEERS:	Drawing Title GENERAL NOTES, LEGENDS AND SCHEDULES	Project Title Clarksburg VAMC Fourth Floor B Acute Inpatient Mental Health Lock Down Conversion	VA Project Number 540-11-106 IKM Project Number 11-024.1	Office of Construction and Facilities Management	
				Approved: Project Director	Location VAMC Clarksburg West Virginia	Building Number		
					Date March 13, 2015	Checked TME	Drawn JAM	F001
								Dwg. X of X