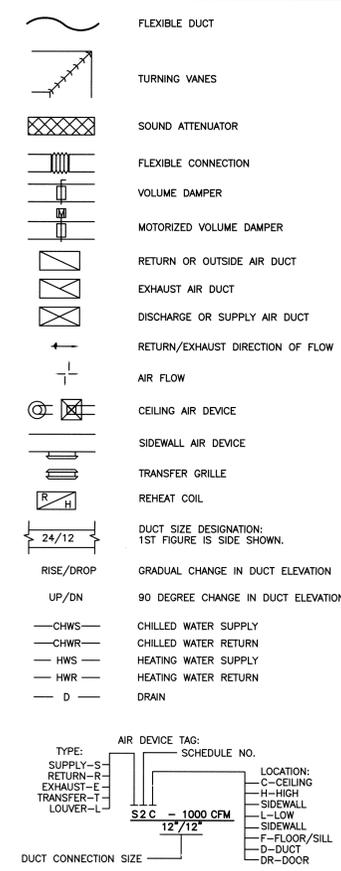
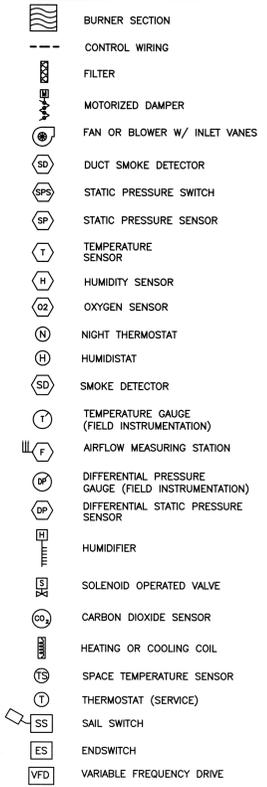


FIRE PROTECTION/MECHANICAL/ELECTRICAL SYMBOLS

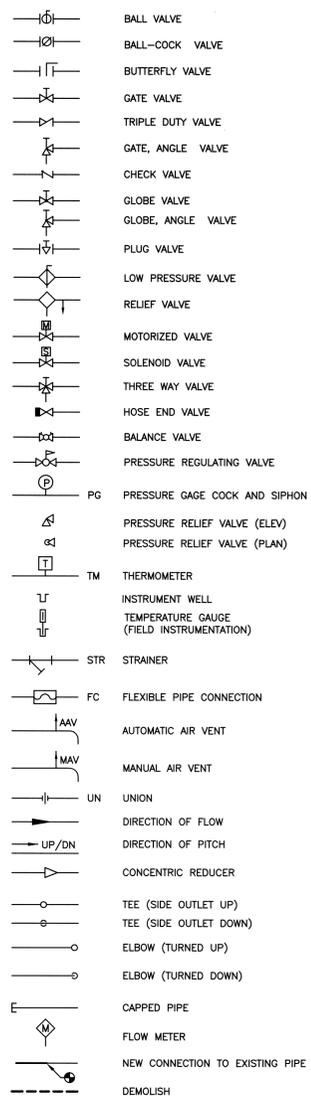
HEATING AND AIR CONDITIONING



HVAC CONTROLS



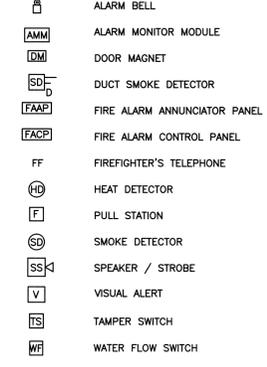
PIPING SPECIALTIES



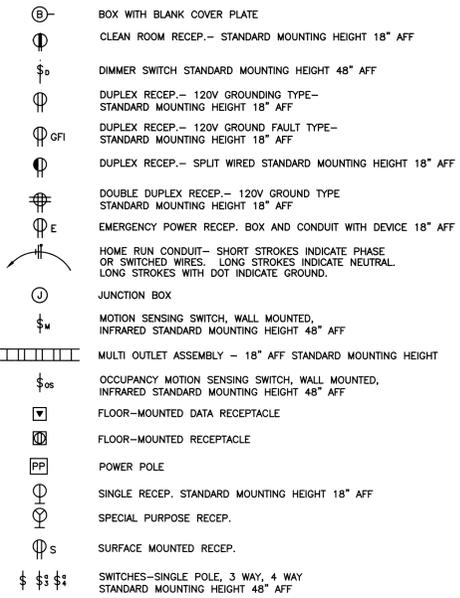
FIRE PROTECTION



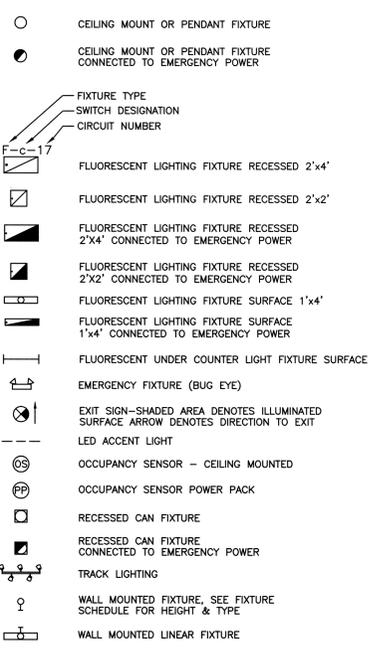
FIRE ALARM



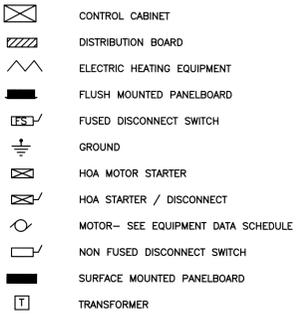
WIRING DEVICES



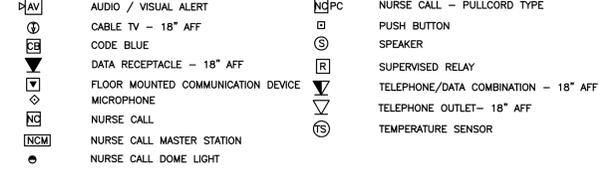
LIGHTING FIXTURES



POWER EQUIPMENT



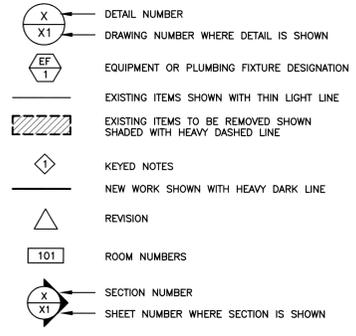
COMMUNICATION DEVICES



ABBREVIATIONS

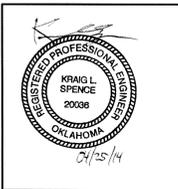
A	AMPERE(S)
ACC	AUTOMATIC CONTROLS CONTRACTOR
ACS	AUTOMATIC CONTROL SUB-CONTRACTOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
AWG	AMERICAN WIRE GAUGE
ATS	AUTOMATIC TRANSFER SWITCH
CB	CIRCUIT BREAKER
CU	COPPER
ELC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
EL	ELEVATION
E	EMERGENCY
(e)	EXISTING
FPC	FIRE PROTECTION CONTRACTOR
FPS	FIRE PROTECTION SUB-CONTRACTOR
FLA	FULL LOAD AMPS
FS	FUSIBLE SWITCH
GRS	GALVANIZED RIGID STEEL CONDUIT
GC	GENERAL CONTRACTOR
GND	GROUND
GFI	GROUND FAULT INTERRUPTING
GFIP	GROUND FAULT INTERRUPT PROTECTED
HOA	HAND/OFF/AUTO SWITCH
HAC	HEATING/AIR CONDITIONING CONTRACTOR
HZ	HERTZ
HP	HORSEPOWER
IGV	INLET GUIDE VANES
IMT	INTERMEDIATE METALLIC TUBING
IG	ISOLATED GROUND
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KV	KILOWATT
MC	MECHANICAL CONTRACTOR
NEC	NATIONAL ELECTRIC CODE
N.L.	NIGHT LIGHT
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPENED
PBC	PLUMBING CONTRACTOR
PVC	POLYVINYL CHLORIDE CONDUIT
SIM	SIMILAR
XFMR	TRANSFORMER
TYP	TYPICAL
VA	VOLT AMPS
WP	WEATHERPROOF

STANDARD DRAWING SYMBOLS



100% Construction Documents	
65% Construction Documents	03/14/2014
65% Design Development	03/22/2013
35% Schematic Design	08/24/2012
Revisions:	

ARCHITECTS/ENGINEERS/CONSULTANTS:		
ARCHITECT SPUR DESIGN, LLC 7700 NORTH HUDSON AVE SUITE 9 OKLAHOMA CITY, OK 73116	MEP ENGINEER PROJECT SOLUTIONS 2005 W. BROADWAY SUITE 210 COLUMBIA, MO 65203	STRUCTURAL ENGINEER SPUR DESIGN, LLC 7700 NORTH HUDSON AVE SUITE 9 OKLAHOMA CITY, OK 73116
SPUR DESIGN, LLC 7700 NORTH HUDSON AVE SUITE 9 OKLAHOMA CITY, OK 73116		



OKLAHOMA CERTIFICATE OF AUTHORITY: 0005

SPUR DESIGN

7700 NORTH HUDSON, SUITE 9
OKLAHOMA CITY, OK 73116
PHONE: 405-842-6100
WWW.SPUR-DESIGN.COM

Drawing Title	FPME STANDARD SYMBOLS
Medical Center Director	
Chief Engineer	

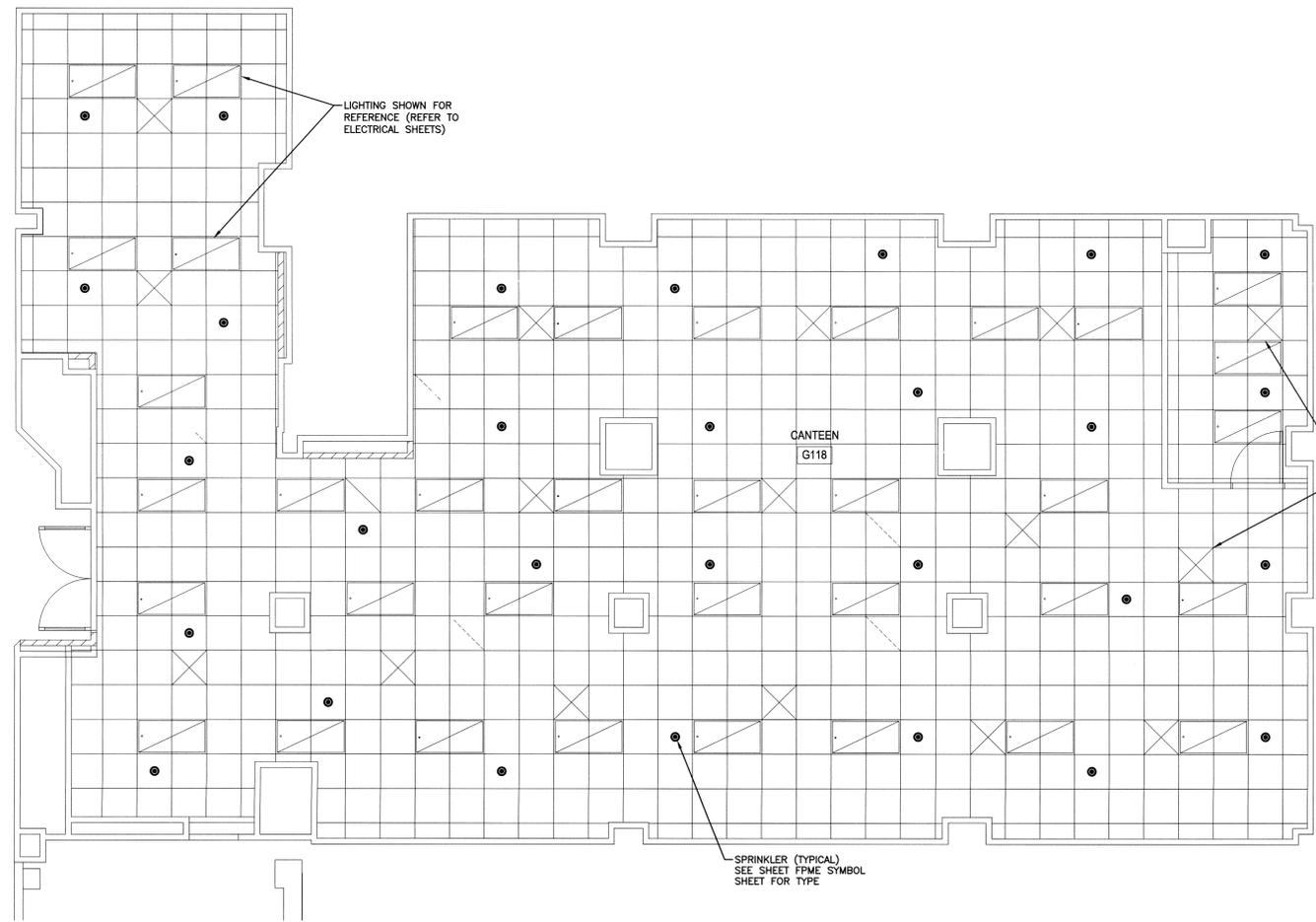
Project Title	CANTEEN AND LIBRARY
Project Number	635-12-314
Building Number	
Drawing Number	
Location	OKLAHOMA CITY VAMC
Date	04/28/2014
Checked	KLS
Drawn	JSH

FPME

Office of
Construction and
Facilities
Management

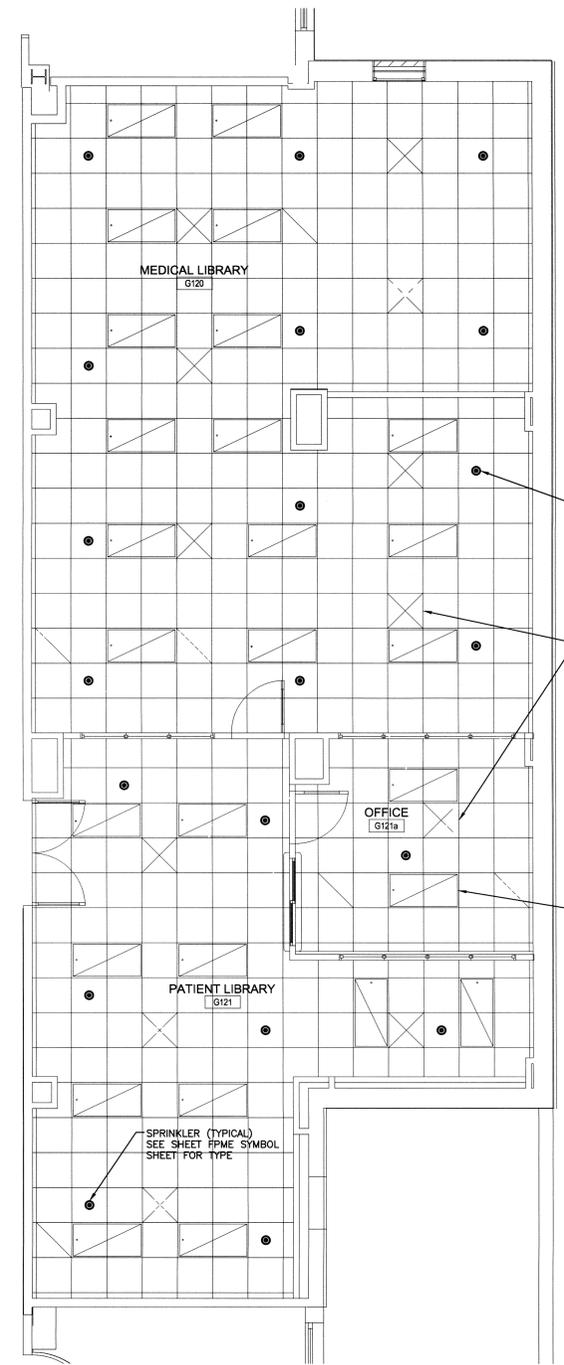
Department of
Veterans Affairs

- GENERAL NOTES:**
1. RENOVATION OF EXISTING FIRE PROTECTION WET PIPE SYSTEM SHALL BE DESIGNED AND INSTALLED IN STRICT ACCORDANCE WITH NFPA-13 AND LOCAL CODES. FIRE PROTECTION DESIGN IS SCHEMATIC ONLY. FINAL LAYOUT AND REQUIRED SPRINKLER FLOW DENSITY IS THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR. HYDRAULIC CALCULATIONS AND SPRINKLER SYSTEM SHOP DRAWINGS TO BE SUBMITTED TO THE AUTHORITIES HAVING JURISDICTION.
 2. SPRINKLER LAYOUT INDICATED ON DRAWING IS SCHEMATIC IN NATURE. FINAL SPRINKLER LAYOUT SHALL BE PERFORMED BY THE FIRE PROTECTION DESIGNER/CONTRACTOR IN ACCORDANCE WITH APPLICABLE CODES.
 3. REMOVE EXISTING SPRINKLER PIPING WHICH IS IN CONFLICT WITH NEW HVAC DUCTWORK. REINSTALL SPRINKLER PIPING AFTER DUCTWORK HAS BEEN INSTALLED. EXISTING SPRINKLER SYSTEM MUST REMAIN IN USE UNTIL NEW SYSTEM TIE-IN. SPRINKLER SYSTEM SHUTDOWN MUST BE COORDINATED WITH THE OWNER.
 4. LAY-IN SPRINKLERS SHALL BE 1/2" RELIABLE MODEL GFR QUICK RESPONSE, RECESSED SPRINKLERS, OR APPROVED EQUIVALENT. SPRINKLERS TO HAVE WHITE FINISH, AND 155° F TEMPERATURE RATING UNLESS INDICATED OTHERWISE.
 5. CONTRACTOR SHALL COORDINATE WITH OWNER REGARDING ALL WORK WHICH MAY AFFECT EXISTING BUILDING SYSTEMS. COORDINATE AND VERIFY DEMOLITION OR RELOCATION OF ITEMS WITH OWNER PRIOR TO COMMENCING WORK TO PREVENT INTERRUPTION OF SERVICE.
 6. PROVIDE SEISMIC ANCHORING AND BRACING AS REQUIRED BY STATE OR LOCAL ORDINANCES.
 7. SEE ARCHITECTURAL SHEETS FOR REFLECTED CEILING PLAN AND OTHER BUILDING SPACE INFORMATION.
 8. COORDINATE SPRINKLER SYSTEM INSTALLATION WITH OTHER TRADES. MULTIPLE SPACES HAVE SIGNIFICANTLY REDUCED CEILING SPACE FOR SYSTEMS INSTALLATION.



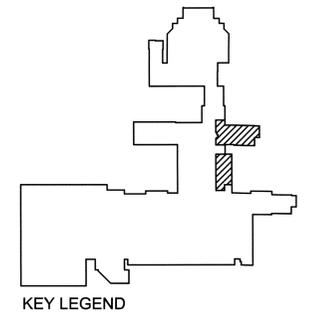
AREA DESIGN CRITERIA
 CANTEEN G118
 WET PIPE SPRINKLER SYSTEM SHALL BE DESIGNED TO ORDINARY HAZARD GROUP 2 OCCUPANCY WITH A REQUIRED SPRINKLER FLOW DENSITY OF 0.20 GAL/SQ.FT.

CANTEEN SCHEMATIC FIRE PROTECTION PLAN
 SCALE: 1/4" = 1'-0"



AREA DESIGN CRITERIA
 OFFICE/WORK ROOM G121a
 MEDICAL MEDIA G120
 PATIENT LIBRARY G121
 WET PIPE SPRINKLER SYSTEM SHALL BE DESIGNED TO A LIGHT HAZARD OCCUPANCY WITH A REQUIRED SPRINKLER FLOW DENSITY OF 0.10 GAL/SQ.FT.
 WET PIPE SPRINKLER SYSTEM SHALL BE DESIGNED TO ORDINARY HAZARD GROUP 1 OCCUPANCY WITH A REQUIRED SPRINKLER FLOW DENSITY OF 0.15 GAL/SQ.FT.

LIBRARY SCHEMATIC FIRE PROTECTION PLAN
 SCALE: 1/4" = 1'-0"

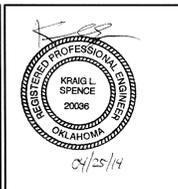


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100% Construction Documents	
85% Construction Documents	03/14/2014
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35% Schematic Design	09/24/2012
Revisions:	

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Drawing Title SCHEMATIC FIRE PROTECTION PLANS	Project Title CANTEEN AND LIBRARY
Medical Center Director	Location OKLAHOMA CITY VAMC
Chief Engineer	Date 04/28/2014
	Checked KLS
	Drawn SET

Project Number 635-12-314	Drawing Number FP-101
Building Number	

