

**SYMBOLS**

**ABBREVIATIONS**

**GENERAL NOTES**

three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 one and one half inches = 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

SYMBOL	DESCRIPTION
	DELTA CONNECTION
	JUNCTION BOX IN WALL, PURPOSE AND LOCATION AS NOTED, MOUNTED 18" AFF UNLESS OTHERWISE NOTED
	TRANSFORMER
	WYE CONNECTION
	EARTH GROUND
	JUNCTION BOX
	PULL BOX
	SWITCH, SINGLE BREAK
	NORMALLY CLOSED RELAY CONTACT
	NORMALLY OPEN RELAY CONTACT
	FUSE WITH RATING
	MOLDED CASE CIRCUIT BREAKER
	LOW-VOLTAGE DRAWOUT AIR CIRCUIT BREAKER
	HIGH-VOLTAGE OIL CIRCUIT BREAKER
	HIGH-VOLTAGE DRAWOUT AIR CIRCUIT BREAKER
	SWITCH AND FUSE UNIT
	FUSED DRAWOUT POTENTIAL TRANSFORMER
	RELAY 50 = INSTANTANEOUS OVERCURRENT OR RATE-OF-RISE 51 = AC-TIME OVERCURRENT 67 = AC-DIRECTIONAL OVERCURRENT 86 LOCKING OUT
	DISCONNECT SWITCH, FUSED
	DISCONNECT SWITCH, UNFUSED
	FUSIBLE LINK
	STARTER, COMBINATION WITH DISCONNECT SWITCH
	STARTER OR MOTOR CONTROLLER
	BATTERY
	CAPACITOR
	LIGHTNING ARRESTOR
	METER
	AMMETER
	VOLTMETER
	WATTMETER
	WATT-HOUR METER
	MOTOR OPERATED DAMPER
	TRANSFORMER, PLAN
	BRANCH CIRCUIT HOMERUN. LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL, AND GROUND CONDUCTORS. ONE SEPARATE GREEN GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN.
	WIREWAY
	RIGID CONDUIT LINE = RC
	DIRECT BURIAL CABLE = DB
	POWER DUCT = P
	SUBSTATION
	PUSH BUTTON
	AUTOMATIC TRANSFER SWITCH
	GENERATOR
	MOTOR, SINGLE-PHASE
	MOTOR, THREE-PHASE
	TELEPHONE/DATA OUTLET - MOUNTED 18" AFF, UNLESS OTHERWISE NOTED
	DATA OUTLET - MOUNTED 18" AFF, UNLESS OTHERWISE NOTED
	HVAC EXHAUST GRILLE

SYMBOL	DESCRIPTION
	CONDUIT TERMINATED 6" [152mm] AFF IN STANDARD BOX FOR EXTENSION TO EQUIPMENT AS DIRECTED.
	CONDUIT TERMINATED W/COUPLING (FLUSH W/FINISHED FLOOR) FOR EXTENSION TO EQUIPMENT AS DIRECTED.
	FLOOR OUTLET, DATA COMMUNICATION
	PUSH BUTTON
	DISTRIBUTION PANEL
	LIGHTING PANEL
	PANELBOARD CABINET, FLUSH MOUNTED
	PANELBOARD CABINET, SURFACE MOUNTED
	RECEPTACLE, CLOCK HANGER
	DUPLEX RECEPTACLE, NEMA 5-20R, 20 AMP, MOUNTED 18" AFF UNLESS OTHERWISE NOTED.
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, NEMA 5-20R, 20 AMP, MOUNTED 18" AFF UNLESS OTHERWISE NOTED
	WEATHERPROOF WHILE IN USE DUPLEX RECEPTACLE WITH GFI, NEMA 5-20R, 20 AMP, MOUNTED 18" AFF UNLESS OTHERWISE NOTED
	QUADRAPLEX OUTLET, NEMA 5-20R, 20 AMP, MOUNTED 18" AFF UNLESS OTHERWISE NOTED
	DUPLEX RECEPTACLE, ON EMERGENCY POWER, NEMA 5-20R, 20 AMP, MOUNTED 18" AFF UNLESS OTHERWISE NOTED.
	DUPLEX RECEPTACLE, ON EMERGENCY POWER, NEMA 5-20R, 20 AMP, MOUNTED 18" AFF UNLESS OTHERWISE NOTED.
	RECEPTACLE, SPECIAL PURPOSE A = 120V, 20A, 1 PHASE, 2-POLE, 3W, NEMA 5-20R. B = 208V, 20A, 1 PHASE, 2-POLE, 3W, NEMA 6-20R. C = 120V, 30A, 1 PHASE, 2-POLE, 3W, NEMA 5-30R. D = 208V, 30A, 1 PHASE, 2-POLE, 3W, NEMA 6-30R. E = 208V, 60A, 1 PHASE, 3-POLE, 4W, NEMA 14-60R. F = 208V, 30A, 3 PHASE, 3-POLE 4W, NEMA 15-30R. G = 208V, 50A, 3 PHASE, 3 POLE, 4W, NEMA 15-30R. H = 208V, 60A, 3 PHASE, 3 POLE, 4W, NEMA 15-60R.
	20A SINGLE POLE SWITCH, MOUNTED 46" AFF
	20A SINGLE POLE EMERGENCY LIGHT SWITCH, MOUNTED 46" AFF
	20A SINGLE POLE SWITCH, SUFFIX OF "a", "b", OR "c" INDICATEDS SEPARATE CONTROL OF FIXTURE (S) WITH SAME LETTER DESIGNATION- MOUNTED 46" AFF
	DUAL SWITCH, FOR INBOARD/OUTBOARD LAMPING CONTROL - MOUNTED 46" AFF
	20A THREE-WAY SWITCH, MOUNTED 46" AFF
	20A FOUR-WAY SWITCH, MOUNTED 46" AFF
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL MOUNTED 48" AFF
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, CEILING MOUNTED
	MANUAL PULL STATION
	STROBE LIGHT
	HORN
	BELL
	AUDIO VISUAL DEVICE
	2' X 4' RECESSED, CEILING MOUNTED FLUORESCENT LIGHT FIXTURE, VAPOR & DUST TIGHT. LETTER INDICATE FIXTURE TYPE.
	EXIT SIGN, WALL MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN
	EXIT SIGN, CEILING MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN
	VARIABLE FREQUENCY DRIVE
	EXHAUST FAN
	PRESSURE SENSOR
	ALARM LIGHT FOR PRESSURE
	MOTOR STARTER
	SMOKE DETECTOR
	DUCT DETECTOR

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
1PH	SINGLE-PHASE	GR	GROUND
1P	SINGLE POLE	GEN	GENERATOR
2/C	TWO-CONDUCTOR	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
3/C	THREE-CONDUCTOR	GTB	GROUND TERMINAL BOX
3PH	THREE-PHASE		
4/C	FOUR-CONDUCTOR		
4W	FOUR-WIRE	HID	HIGH INTENSITY DISCHARGE
		HOA	HAND-OFF-AUTOMATIC
		HP	HORSEPOWER
		HT	HEIGHT
		HZ	HERTZ
A/E	ARCHITECT/ENGINEER	IESNA	ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA
AAP	ALARM ANNUNCIATOR PANEL	IMC	INTERMEDIATE METAL CONDUIT
AC	ALTERNATING CURRENT OR ARMORED CABLE	INCAND	INCANDESCENT
ACC	ACCESSIBLE	IR	INFRARED
ADDL	ADDITIONAL		
ADO	AUTOMATIC DOOR OPENER		
AF	AMPERE FRAME OR AMP FUSE		
AFC	AVAILABLE FAULT CURRENT	J-BOX	JUNCTION BOX
AFG	ABOVE FINISHED FLOOR		
AH	AMPERE HOUR		
AHJ	AUTHORITY HAVING JURISDICTION		
AIC	AMPERE INTERRUPTING CAPACITY	kV	KILOVOLT
ALT	ALTERNATE	kVA	KILOVOLT AMPERE
AMB OR A	AMBIENT	kwAHP	KILOVOLT AMPERE PER HOUR
AMP	AMPERE	kwAR	KILOVOLT AMPERE REACTIVE
AP	AUXILIARY POWER	kw	KILOWATT
ARCH	ARCHITECT	kwH	KILOWATT HOUR
ASC	AMPS SHORT CIRCUIT		
AT	AMPERE TRIP		
ATS	AUTOMATIC TRANSFER SWITCH	LED	LIGHT EMITTING DIODE
AUTO	AUTOMATIC	LF	LIGHT FEET (FOOT)
		LM	LUMEN
		LP	LOCKED ROTOR AMPS
BAT	BATTERY	LRA	LIGHT
BC	BARE COPPER	LT	LIGHTING
BD	BOARD	LTNG	LIGHTNING
BLDG	BUILDING	LV	LOW VOLTAGE
BRKR	BREAKER		
		MAX	MAXIMUM
C	CONTROL	MC	METAL-CLAD
CAP	CAPACITY	MCA	MINIMUM CIRCUIT AMPS
CAT	CATALOG	MCB	MAIN CIRCUIT BREAKER
cd	CANDELA	MDP	MAIN DISTRIBUTION PANEL
CD	CONSTRUCTION DOCUMENTS	MECH	MECHANICAL
CKT	CIRCUIT	MG	MOTOR GENERATOR
CKT BRKR	CIRCUIT BREAKER	MH	MANHOLE
CLG	CURRENT LIMITING FUSE	MIN	MINIMUM
CLF	CEILING	MOCPP	MAXIMUM OVERCURRENT PROTECTION
CMU	CONCRETE MASONRY UNIT	MLO	MAIN LUGS ONLY
COMM	COMMUNICATION	MT	MOUNT
COMP	COMPARTMENT	MTD	MOUNTED
CONC	CONCRETE	MTG	MOUNTING
CONT	CONTINUE	MTS	MANUAL TRANSFER SWITCH
CONTR	CONTRACTOR	MV	MEDIUM VOLTAGE
COORD	COORDINATE	MVA	MEGAVOLT-AMPERE
CPT	CONTROL POWER TRANSFORMER	MW	MEGAWATT MICROWAVE
CRI	COLOR RENDERING INDEX		
CU	COPPER		
CU FT	CUBIC FEET	NGR	NEUTRAL GROUNDING RESISTOR
CUR	CURRENT		
		P	POLE
DB	DIRECT BURIAL	PB	PANELBOARD
DEG C	DEGREES CELSIUS	PCB	POLYCHLORINATED BIPHENYL
DEG F	DEGREES FAHRENHEIT	PEC	PHOTOELECTRIC CELL
DEMO	DEMOLITION	PED	PEDESTAL
DIAG	DIAGRAM	PEND	PENDANT
DISCT	DISCONNECT	PF	POWER FACTOR
DISTR	DISTRIBUTION	PH	PHASE
DISTR PNL	DISTRIBUTION PANEL	PIR	PASSIVE INFRARED
DN	DOWN	PNL	PANEL
DPDT	DOUBLE POLE, DOUBLE THROW	POD	POTENTIAL TRANSFORMER
DPST	DOUBLE POLE, SINGLE THROW	PT	POLYVINYL CHLORIDE (PLASTIC)
DS	DISCONNECT SWITCH	PWR	POWER
DWG	DRAWING	REC	RECESSED
		RECPT	RECEPTACLE
EC	EMPTY CONDUIT EQUIPMENT	RGS	RIGID GALVANIZED STEEL
EG	GROUND	RM	ROOM
ELL	ELEVATION OR ELECTRICAL	RMS	ROOT MEAN SQUARE
ELEC	ELECTRIC	REQD	REQUIRED
EMER	EMERGENCY	RSC	RIGID STEEL CONDUIT
EMI	ELECTROMAGNETIC INTERFERENCE	SCC	SHORT CIRCUIT CAPACITY
EMT	ELECTRICAL METALLIC TUBING	SES	SERVICE ENTRANCE SECTION
ENCL	ENCLOSURE	SD	SMOKE DETECTOR
EXIST	EXISTING	SF	SQUARE FOOT (FEET)
		SHT	SHEET
FC	FOOTCANDLE	SPEC	SPECIFICATION
FI	FILM ILLUMINATOR	SPST	SINGLE POLE, SINGLE THROW
FIXT	FIXTURE	SURF	SURFACE
FLA	FULL LOAD AMPS	SW	SWITCH
FLEX	FLEXIBLE METALLIC CONDUIT	SWBD	SWITCHBOARD
FLT	FLOODLIGHT	SWGR	SWITCHGEAR
FLUR	FLUORESCENT		
FLUR FIX	FLUORESCENT FIXTURE		
FT	FEET OR FOOT		
FU SW	FUSED SWITCH		
FVNR	FULL VOLTAGE NON-REVERSING		

ABBREVIATION	DESCRIPTION
TC	TIME CLOCK
TP	TWISTED PAIR
TPS	TWISTED PAIR SHIELDED TYPICAL
TYP	TYPICAL
TC	TIME CLOCK
TP	TWISTED PAIR
TPS	TWISTED PAIR SHIELDED TYPICAL
TYP	TYPICAL
UGND	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UTIL	UTILITY
V	VOLT
VA	VOLT AMPERE
VAR	VOLT AMPERE REACTIVE
VFD	VARIABLE FREQUENCY DRIVE
VOLT	VOLTAGE

1. EACH BRANCH CIRCUIT HOMERUN SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT HOMERUN SHALL HAVE SEPARATE PHASE AND NEUTRAL CONDUCTORS AND A COMMON SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.

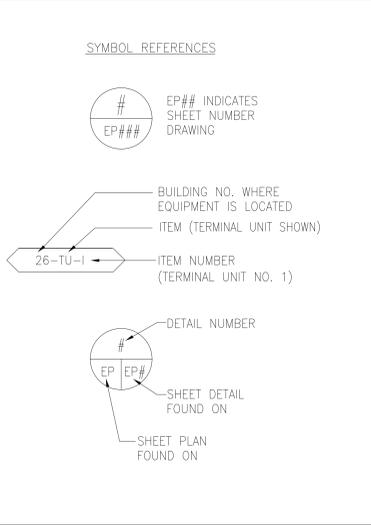
**GENERAL NOTES DEMOLITION**

D1. REMOVE ALL ACCESSIBLE ABANDONED WIRING OF ALL TYPES UP TO THE SOURCE PANEL BOARD OR CAP AND LABEL IN JUNCTION BOX FOR RE-USE, IN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE.

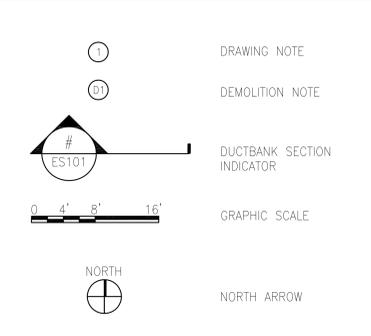
D2. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND CONDUCTORS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.

**ELECTRICAL LIGHTING FIXTURE SCHEDULE**

TYPE	DESCRIPTION	VOLT
A	2' x 4' RECESSED CEILING MOUNTED CLEAN ROOM TROFFER ENCLOSED GASKETED WITH PRISMATIC LENS SUITABLE FOR WET LOCATION AND FACILITATE CLEANING. ENERGY EFFICIENT, 2 T8 LAMP, ELECTRONIC BALLAST WITH 1.18 BALLAST FACTOR, EMERGENCY BALLAST, 277V. EQUAL TO COOPER LIGHTING CFE-4-232-120-1K12-EB82-EBP-RIF.	277V
E	EMERGENCY EXIT SIGN LIGHT FIXTURE, RED LED LAMPS, ALUMINUM APPEARANCE FACE PLATE, WHITE HOUSING, FIELD CONFIGURABLE ARROWS. EQUAL TO LITHONIA MODEL LQM-A-W-1-G-277-ELN. CONNECT TO EXISTING LIFESAFETY PANEL.	277V



**SYMBOL REFERENCES**



100% ISSUED FOR CONSTRUCTION  
 COMPLETION ITEM NO. 3  
 FULLY SPRINKLERED

 Dept. of Veterans Affairs Medical Center 1670 Clairmont Road Decatur, Georgia 30033	 ARCHITECT/ENGINEERS:  VETERAN ENGINEERING GROUP, INC. 4411 Suwanee Dam, Ste. 230, Suwanee, GA 30024  ARCHITECTURE ENGINEERING PLANNING 1123 Zonolite Road, Suite 25, Atlanta, GA 30306	Drawing Title <b>LEGEND, SYMBOLS AND ABBREVIATIONS</b>	Project Title RENOVATION OF EXISTING STERILE PROCESSING SERVICE (SPS)	Project Number 508-10-113	Office of Facilities Management 
		Approved Project Director	Location VAMC, DECATUR, GA.	Building Number 1	
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