

Section 5 Design Guide Plates and Data Sheets: Areas Specific to SPD

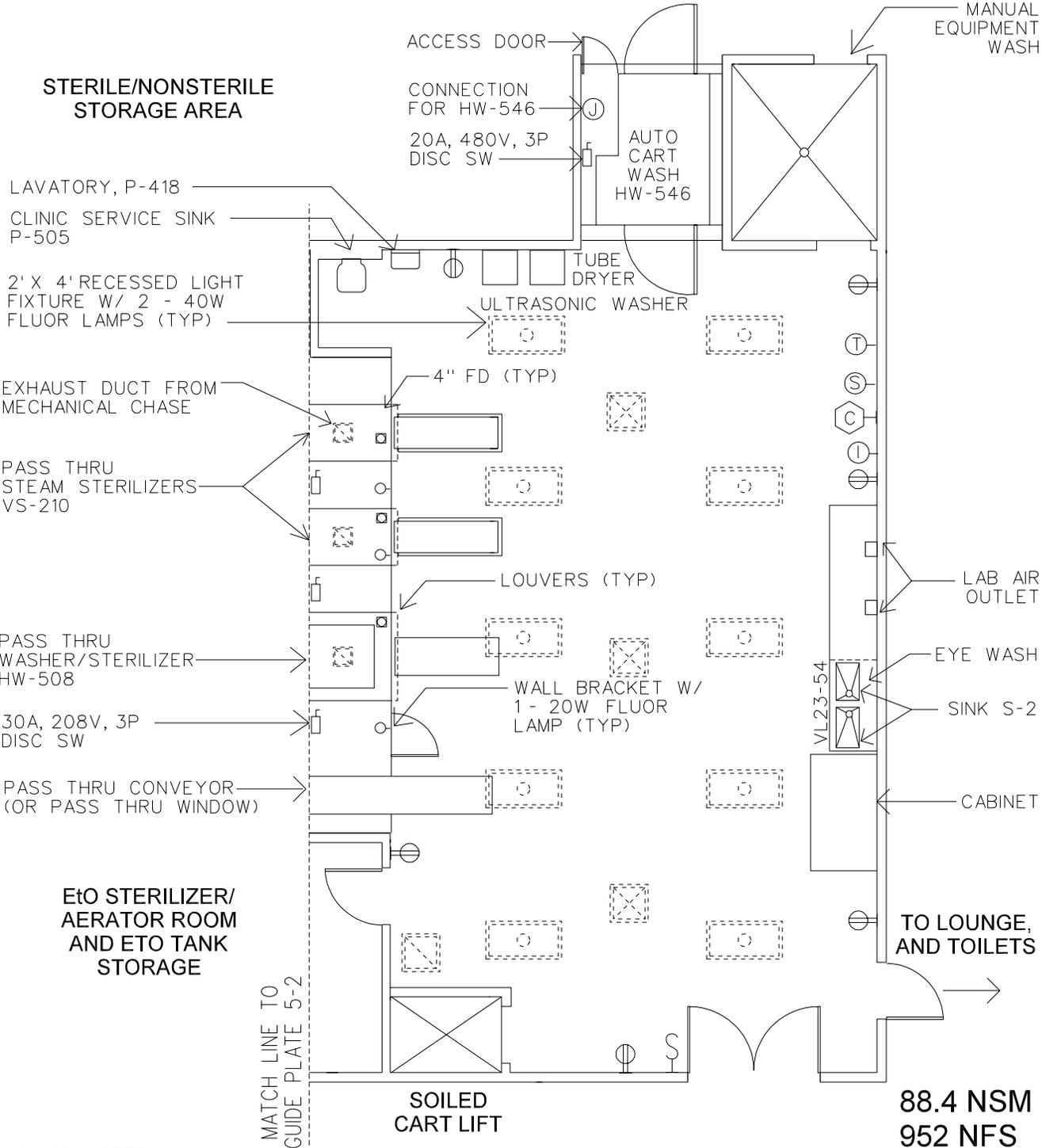
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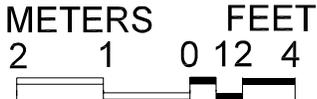
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Equipment & Utility Plan Soiled Receiving & Decontamination Area



HVAC NOTES:

- 1) PROVIDE DEDICATED EXHAUST SYSTEM FOR SPD SUITE INCLUDING STEAM STERILIZERS
- 2) PROVIDE LOUVERS IN MODULAR WALL PANEL ABOVE STERILIZER DOOR
- 3) PROVIDE SS DUCTWORK WITH CONNECTIONS TO LOUVERS AND STEAM STERILIZER EXHAUST WITHIN STERILIZER MECHANICAL CHASE



Design Standards

Soiled Receiving & Decontamination Area

ARCHITECTURAL

Ceiling	PL (SC)	Wainscot	-
Ceiling Height	2700 (9'-0")	Base	QT
Wall Finish	PL (SC)	Floor Finish	QT
		Slab Depression	-

SPECIAL EQUIPMENT

VS-503: WASHER/STERILIZER

VS-210: STEAM STERILIZERS

HW-546: AUTOMATIC CART WASH

ELECTRICAL

Lighting

General 30 FC - 2 W/SF

Special -

Power

General *

Emergency *

Notes: *VS-210: POWER DOOR - 15A, 120V; CONTROL - 1.0A, 120V

*VS-503: CONTROL - 10A, 120V; PUMP - 10A, 208V, 3 PH;

*COMPRESSOR - 3/4 HP, 208V, 3 PH

*HW-546: 20A, 480V, 3PH, 3 WIRE

COMMUNICATIONS

ADP -

Radio YES**

Telephone -

Intercom EMPTY CONDUIT

Notes:

Public Address -

**CONNECT TO HOSPITAL SYSTEM

HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling F 76

Relative Humidity/Cooling 50%

Dry Bulb Temp Heating F 72

Relative Humidity/Heating 30%

Minimum % Outside Air 100

Minimum Air Changes/Hr 10

100% Exhaust Air YES

Room Pressure NEGATIVE

Noise Criteria NC-40

AC Load - Equipment 0.5574 W/SM

Steam YES***

Number of People 3

Notes:

Special Exhaust YES***

***VS EQUIP: SEE PG-08-6 FOR STEAM, HEAT GAIN, EXHAUST CAPACITY

HW-546: 1400 CFM EXH; 30-60 PSIG, 40 LB/HR STEAM

PLUMBING AND MEDICAL GASES

Cold Water YES

Sanitary Drain YES

Hot Water YES

Reagent Grade Water YES

Laboratory Air YES

Laboratory Vacuum -

Notes: ****FOR VS EQUIP

Other SHOP AIR****

Equipment Guide List

Soiled Receiving & Decontamination Area

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
TOP 5A	CC	1				SOILED RECEIVING AND DECONTAMINATION AREA COUNTER TOP, CORROSION RESISTING (STAINLESS) STEEL, 32 MM (1-1/4") THICK (PG-08-1 & PG-08-6, MCS 11602)
S-2	CF	3				SINK, CORROSION RESISTING STEEL, WITH END OR CORNER DRAIN OUTLET, 635 MM X 457 MM X 406 MM (25" X 18" X 16") DEEP, INTEGRAL WITH TOP 5A (PG-08-1 & PG-08-6, MCS 11602)
	CC	1				-AND/OR- SINK, DOUBLE, CORROSION RESISTING STEEL, WITH END OR CORNER DRAIN OUTLET, EACH SINK, 635 MM X 457 MM X 406 MM (25" X 18" X 16") DEEP, INTEGRAL WITH TOP 5A (PG-08-1 & PG-08-6, MCS 11602)
VL20	CC	3				CABINET, UNDERCOUNTER, SINK UNIT, 2 HINGED PANEL DOORS, AVAILABLE WIDTHS - 762 MM, 914 MM, 1067 MM, 1219 MM; (30", 36", 42", 48") DEPTH - 559 MM; (22") HEIGHT - 787 MM, (31") FOR FLOOR MOUNTED, ASSEMBLED WITH TOP 5A AND SINK S-2 (PG-08-1 & PG-08-6, MCS 12345)
VL23	CC	1				-AND/OR- CABINET, UNDERCOUNTER, SINK UNIT, DOUBLE COMPARTMENT, 2 HINGED PANEL DOORS, AVAILABLE WIDTHS - 1372 MM, 1524 MM; (54", 60") DEPTH - 559 MM; (22") HEIGHT - 787 MM, (31") FOR FLOOR MOUNTED, ASSEMBLED WITH TOP 5A AND DOUBLE SINK (PG-08-1 & PG-08-6, MCS 12345)
	CC	1				OUTLET, LABORATORY AIR, OVER COUNTER, WITHIN 36" OF SINK (PG-08-1, MCS 15488)
VL86	CC	1				MANIFOLD, TUBE WASHING (PG-08-1 & PG-08-6, MCS 11602)
	CC	1				FAUCET, REAGENT GRADE OR MINERAL FREE WATER (PG-08-1, MCS 11602)
	VV	AR				WASHER, ROTARY, FOR WASHING RESPIRATORY/ANESTHESIA TUBING AND ACCESSORIES, E.G., OLYMPIC TYPE
	CC	1				DOOR, ACCESS, LAUNDRY CHUTE (PG-08-1, MCS 14560)
VS-504	CC	1				WASHER/STERILIZER, SURGICAL INSTRUMENT, SINGLE DOOR, CABINET ENCLOSED, (CHAMBER SIZE: 16" X 16" X 26"/3.8 CU. FT.), PROVIDE STEAM, WATER, COMPRESSED AIR, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)

Equipment Guide List

Soiled Receiving & Decontamination Area

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
						-OR-
VS503	CC	1				WASHER/STERILIZER, SURGICAL INSTRUMENT, SINGLE DOOR, RECESSED THROUGH ONE WALL, (CHAMBER SIZE: 16" X 16" X 26"/3.8 CU. FT.), PROVIDE STEAM, WATER, COMPRESSED AIR, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
	VV	1				TABLE, TRANSFER, CRS, MOBILE FOR WASHER/STERILIZER, WITH (CHAMBER SIZES: 16" X 16" X 26")
	VC	1				CLEANER, ULTRASONIC, WITH RINSER AND DRYER, TYPE DETERMINED ON INDIVIDUAL PROJECT BASIS
	CC	AR				HOOD, EXHAUST, PROVIDE ONE HOOD OVER THE ENTIRE WASHER AND LOADING DOOR (PG-08-1, MCS 15822)
	VV	AR				TABLE, WORK, PORTABLE, CORROSION RESISTING STEEL, 24" X 48" X 36"H
	VV		2	2	1	CART, UTILITY, CORROSION RESISTING STEEL, 36"W X 18"D X 30"H
P-418	CC	1				LAVATORY, STRAIGHT BACK, SENSOR CONTROL (PG-08-1, MCS 15450; H-08-4, SD 380)
P-505	CC		2	1	1	SINK, SERVICE, CLINIC, FLUSHING RIM, WALL HUNG (PG-08-1, MCS 15450; H-08-4, SD 379)
P-708	CC	1				EMERGENCY EYE AND FACE WASH, WALL MOUNTED, (PG-08-1, MCS 15450)
	CC	1	2	1	1	DISPENSER, SOAP, WITH FOOT CONTROL, WALL MOUNTED OVER SINK (PG-08-1, MCS 10800)
	VV	1	2	1	1	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED
	VV	1				DRIER, TUBING, 120 VOLT, 20 AMP
	VV	1				BULLETIN BOARD, APPROX., 1219 MM X 914 MM (48" X 36")
	CC	AR				STATION, SOILED RETURN FROM AUTOMATIC EJECT AT DOWN CONVEYOR (PG-08-1, MCS 14125)
P-802	CC	AR				HOSE BIBB, COMBINATION FAUCET, WALL MOUNTED, CONCEALED SUPPLY PIPES (PG-08-1, MCS 15450; H-08-4, SD 4.2)
	CC	AR				DRAIN, FLOOR (PG-08-1, MCS 15400)
						NOTE: PROVIDE FLOOR DRAIN ONLY IN AREA HOUSING THE STERILIZERS AND NOT IN THE RECEIVING-DECONTAMINATION AREA

Equipment Guide List

Soiled Receiving & Decontamination Area

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
	VV		7	5	3	RECEPTACLE, WASTE, WITH SWINGING TOP, 16" X 16"
	CC	1				SPEAKER, WALL WITH VOLUME CONTROL, CONNECTED TO STATION RADIO SYSTEM (TO BE DETERMINED BY VETERANS HEALTH ADMINISTRATION FOR EACH PROJECT WHEN THERE IS NOT AN EXISTING PUBLIC ADDRESS AND/OR RADIO SYSTEM) (PG-08-1, MCS 16771)
VS-508	CC	AR				WASHER/STERILIZER, AUTOMATED, PROVIDE STEAM, WATER, COMPRESSED AIR, MINERAL FREE-WATER, FLOOR DRAIN, ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
						-OR-
VS-505	CC		2	2	1	WASHER/STERILIZER, SURGICAL INSTRUMENT, DOUBLE DOOR, RECESSED THROUGH ONE WALL, (CHAMBER SIZE: 16" X 16" X 26"/3.8 CU. FT.), PROVIDE STEAM, WATER, COMPRESSED AIR, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
	CC	AR				MODULAR WALL, ENCLOSURE PANELS, CRS, FROM FLOOR TO FINISHED CEILING, WITH EXHAUST LOUVER IN MODULAR PANEL ABOVE DOORS OF STERILIZERS (PG-08-1 & PG-08-6, MCS 11710)
	CC	AR				RACK/BASKET RETURN, PASS-THRU, CONVEYOR OR FLOOR LEVEL, SPRING-LOADED BI-SWING DOORS (PG-08-1, MCS 11710)
	CC	AR				CART, LOADING, FOR USE WITH PASS THRU STERILIZERS, CHAMBER SIZES: 610 MM X 914 MM X 1219 MM/1524 MM (24" X 36" X 48"/60") (PG-08-1, MCS 11710)
	CC	AR				CARRIAGE, TRANSFER, FOR USE WITH PASS-THRU STERILIZERS, CHAMBER SIZES: 610 MM X 914 MM X 1219 MM/1524 MM (24" X 36" X 48"/60") (PG-08-1, MCS 11710)
	VV	1				REAGENT GRADE OR MINERAL FREE WATER SYSTEM, SIZE AND TYPE DETERMINED ON INDIVIDUAL PROJECT BASIS
	CC	1				OUTLET, INTERCOM (EMPTY CONDUIT SYSTEM) (PG-08-1, MCS 16111)
	CC	1				MASTER STATION, FOR INTRASERVICE INTERCOM (PG-08-1, MCS 16760)
	VV	1				CLOCK, BATTERY OPERATED

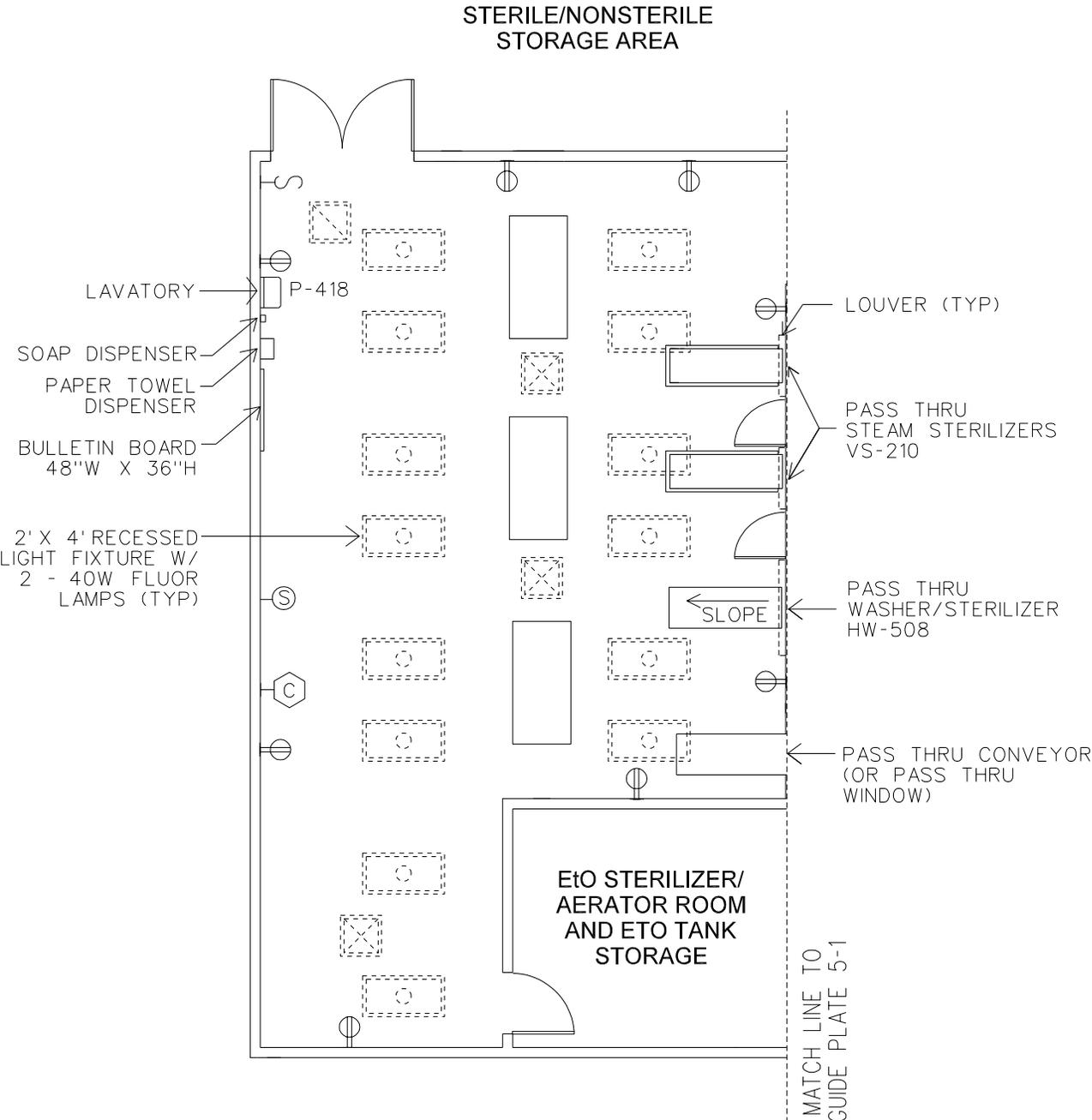
Equipment Guide List

Soiled Receiving & Decontamination Area

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
	CC	AR				RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 15 AMP, STRIP MOLD WITH OUTLETS, WIRED ALTERNATELY ON SEPARATE CIRCUITS ON 610 MM (24") CENTERS ABOVE COUNTER (PG-08-1, MCS 16140; H-08-3, CS 801-3)
	CC	AR				RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, 2 PER WALL, MINIMUM (PG-08-1, MCS 16140; H-08-3, CS 801-3)

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
						AUTOMATIC CART WASH NOTE: VAPOR REMOVAL, DRYING CAPABILITIES AND TILT RAMP.
	CC	AR				GRATE, FLOOR, CRS, PROVIDE ON EXIT END OF CART WASHER (PG-08-1, MCS 05500)
HW-546	CC	AR				NOTE: VAPOR REMOVAL, DRYING CAPABILITIES AND TILT RAMP.
	CC	AR				HOOD, EXHAUST, PROVIDE ONE HOOD OVER THE ENTIRE WASHER AND LOADING DOOR (PG-08-1, MCS 15822)

Equipment & Utility Plan Preparation, Assembly, & Sterilization Area



**83.7 NSM
900 NSF**



Design Standards

Preparation, Assembly & Sterilization Area

ARCHITECTURAL

Ceiling	AT (SP)	Wainscot	-
Ceiling Height	2700 (9'-0")	Base	QT
Wall Finish	PL (SC)	Floor Finish	QT*
Notes:		Slab Depression	-

*EXTEND QT 10' BEYOND STERILIZERS

SPECIAL EQUIPMENT

ELECTRICAL

Lighting

General	50 FC - 3 W/SF
Special	-

Notes:

Power

General	1800 W RECEPTACLES
Emergency	-

COMMUNICATIONS

ADP	-	Telephone	-
Radio	YES	Intercom	EMPTY CONDUIT
Notes:		Public Address	-

HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling F	76	Relative Humidity/Cooling	50%
Dry Bulb Temp Heating F	72	Relative Humidity/Heating	30%
Minimum % Outside Air	100	Minimum Air Changes/Hr	10
100% Exhaust Air	YES	Room Pressure	POSITIVE
Noise Criteria	NC-40	AC Load - Equipment	0.4645.W/SM
Steam	-	Number of People	2
Notes:		Special Exhaust	-

PLUMBING AND MEDICAL GASES

Cold Water	YES	Sanitary Drain	YES
Hot Water	YES	Reagent Grade Water	-
Laboratory Air	-	Medical Air	-
Laboratory Vacuum	-	Medical Vacuum	-
Other	-	Oxygen	-

Notes:

Equipment Guide List

Preparation, Assembly & Sterilization Area

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
PREPARATION, ASSEMBLY AND STERILIZATION						
NOTE: PROVIDE EMERGENCY POWER SYSTEM FOR THE STEAM AND ETO STERILIZERS, WASHER/STERILIZERS, ETO EXHAUST AND ETO MONITORING EQUIPMENT.						
	VV	AR				TABLE, WORK, PORTABLE, CORROSION RESISTING STEEL, 42"W X 72"L X 36"H
	CC	AR				CABINET, WITH PLASTIC LAMINATE TOP, DRAWERS WITH ADJUSTABLE DIVIDERS (PG-08-1, MCS 12301)
P-418	CC	2				LAVATORY, STRAIGHT BACK, SENSOR CONTROL (PG-08-1, MCS 15450; H-08-4, SD 380)
	CC	2				DISPENSER, SOAP, WALL MOUNTED WITH FOOT CONTROL (PG-08-1, MCS 10800)
	VV	2				DISPENSER, PAPER TOWEL, SURFACE MOUNTED
	VV	AR				RECEPTACLE, WASTE, WITH SWINGING TOP, 16" X 16"
	VV	1				BULLETIN BOARD, APPROX., 1219 MM X 914 MM (48" X 36")
	VV	AR				STOOL, REVOLVING, APPROX., 330 MM (13") DIA. SEAT, 495 MM (19-1/2") BASE
	VV	AR				CART, WIRE, ADJUSTABLE SHELVES, 4 SWIVEL CASTERS, 24"W X 72"L X 72"H
	VV	1				CENTRIFUGE, LABORATORY, FOR THERMOMETER PREPARATION
	VV	1				HAMPER, SOILED LINEN, WITH HINGED SELF CLOSING TOP, 20" DIA.
	VV	AR				HANDCART, WITH 2 REMOVABLE BASKETS, 38" X 24" X 42-1/2"
	CC	1				OUTLET, CENTRAL PAGING OR BROADCAST SYSTEM TO BE DETERMINED BY VHA FOR EACH PROJECT WHEN THERE IS NOT AN EXISTING PUBLIC ADDRESS AND/OR RADIO SYSTEM) (PG-08-1, MCS 16770)
VS-351	CC	2	3			AERATOR, ETHYLENE OXIDE, CABINET ENCLOSED, (CHAMBER SIZE: 24" X 36" X 48"/60"), PROVIDE ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
	VC	1				-OR- AERATOR, FOR 100% ETHYLENE OXIDE GAS STERILIZER, SINGLE DOOR, RECESSED THROUGH ONE WALL OR FREE STANDING UNIT, FOR RECESSED UNIT PROVIDE MOUNTING RACK, FOR FREE STANDING UNIT PROVIDE STACKING RACK, PROVIDE ELECTRIC AND EXHAUST AS REQUIRED

Equipment Guide List

Preparation, Assembly & Sterilization Area

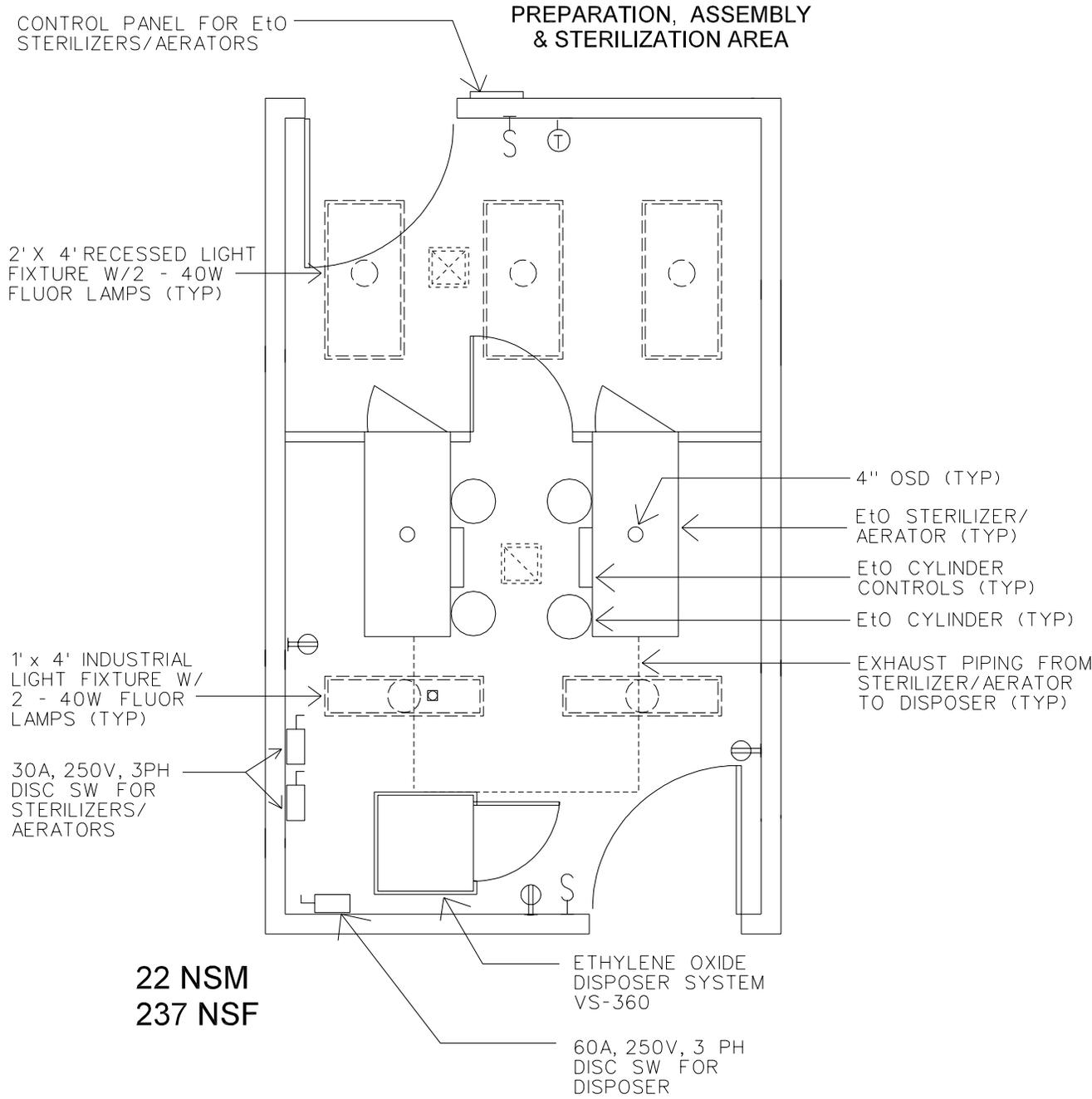
SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
	CC	AR				ENCLOSURE PLENUM, CRS, BETWEEN TOP OF AERATOR AND CEILING, PROVIDE EXHAUST LOUVER IN PLENUM ENCLOSURE PANEL ABOVE DOOR (PG-08-1, MCS 11710)
VS-325	CC	2				STERILIZER/AERATOR, ETHYLENE OXIDE GAS, SINGLE DOOR, RECESSED THROUGH ONE OR TWO WALLS, (CHAMBER SIZE: 24" X 36" X 48"/24 CU. FT.), PROVIDE STEAM, WATER, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
	VC	2				STERILIZER/AERATOR, 100% ETHYLENE OXIDE GAS, SINGLE DOOR, RECESSED THROUGH ONE WALL OR FREE STANDING UNIT, FOR RECESSED UNITS PROVIDE MOUNTING RACK, FOR FREE STANDING UNIT PROVIDE STACKING RACK, PROVIDE COMPRESSED AIR, ELECTRIC AND EXHAUST AS REQUIRED
VS-360	CC	AR				ETHYLENE OXIDE DISPOSER SYSTEM, 838 MM X 889 MM X 2083 MM (33" X 35" X 82"), PROVIDE ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
	VV	1				CONTINUOUS MONITORING DEVICE, ETHYLENE OXIDE GAS WITH ADDITIONAL SENSORS/ALARMS, ETO SPECIFIC TO .01 PARTS-PER-MILLION NOTE: PROVIDE ONE EMISSION CONTROL DEVICE FOR NO MORE THAN TWO ETO STERILIZER
VS-203	CC	2	3			STERILIZER, MECHANICAL AIR REMOVAL, SINGLE DOOR, RECESSED THROUGH ONE WALL, CHAMBER SIZE: 610 MM X 1219 MM X 914 MM/ .68 M3, (24" X 36" X 48"/24 CU. FT.) PROVIDE STEAM, WATER, COMPRESSED AIR, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
						-OR-
VS-210	CC	2	3			STERILIZER, MECHANICAL AIR REMOVAL, DOUBLE DOOR, RECESSED THROUGH TWO WALLS, (CHAMBER SIZE: 24" X 36" X 48"/24 CU. FT.), PROVIDE STEAM, WATER, COMPRESSED AIR, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
						-AND/OR-
VS-205	CC	AR				STERILIZER, MECHANICAL AIR REMOVAL, SINGLE DOOR, RECESSED THROUGH ONE WALL, CHAMBER SIZE: 610 MM X 914 MM X 1524 MM/.85 M3(24" X 36" X 60"/30 CU. FT.), PROVIDE STEAM, WATER, COMPRESSED AIR, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
						-OR-

Equipment Guide List

Preparation, Assembly & Sterilization Area

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
VS-211	CC	AR				STERILIZER, MECHANICAL AIR REMOVAL, DOUBLE DOOR, RECESSED THROUGH TWO WALLS, CHAMBER SIZE: 610 MM X 914 MM X 1524 MM/.85 M3(24" X 36" X 60"/30 CU. FT.), PROVIDE STEAM, WATER, COMPRESSED AIR, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
	CC	AR				MODULAR WALL, ENCLOSURE PANELS, CRS, FROM FLOOR TO FINISHED CEILING, WITH EXHAUST LOUVER IN MODULAR PANEL ABOVE DOORS OF STERILIZERS (PG-08-1 & PG-08-6, MCS 11710)
	CC	AR				CART, LOADING, FOR USE WITH AERATOR AND PASS-THROUGH/RECESSED STERILIZERS, CHAMBER SIZES: 610 MM X 914 MM X 1219 MM/1524 MM (24" X 36" X 48"/60") (PG-08-1, MCS 11710)
	CC	AR				CARRIAGE, TRANSFER, FOR USE WITH AERATORS AND PASS-THROUGH/RECESSED STERILIZERS, CHAMBER SIZES: 610 MM X 914 MM X 1219 MM/1524 MM (24" X 36" X 48"/60") (PG-08-1, MCS 11710)
	VV	1				MESSAGE BOARD, PLASTIC LAMINATE, 914 MM X 610 MM (36" X 24")
	CC	1				OUTLET, INTERCOM (EMPTY CONDUIT SYSTEM) (PG-08-1, MCS 16111)
	CC	1				MASTER STATION, FOR INTRASERVICE INTERCOM (PG-08-1, MCS 16760)
	VV	1				CLOCK, BATTERY OPERATED
	CC	AR	8	7	6	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-08-1, MCS 16140; H-08-3, CS 801-3)

Equipment & Utility Plan EtO Sterilizer/Aerator Room



NOTE: IF 100% EtO GAS STERILIZER/AERATORS ARE USED, CONSULT MANUFACTURER'S SPECIFICATIONS FOR UTILITY REQUIREMENTS

NOTE: LOCATE OPEN SITE DRAIN AS REQUIRED BY MANUFACTURER.

NOTE: PROVIDE STAINLESS STEEL EtO EXHAUST SYSTEM DUCT WORK. LOCATE EXHAUST FAN AT END OF EXHAUST DUCT TO DISCHARGE MIN 10 FEET ABOVE BUILDING HEIGHT AND MIN 25 FEET FROM AIR INTAKES



Design Standards

EtO Sterilizer/Aerator Room

ARCHITECTURAL

Ceiling	PCP	Wainscot	-
Ceiling Height	2700 (9'-0")	Base	-
Wall Finish	PRE-FAB PANEL	Floor Finish	C
		Slab Depression	-

SPECIAL EQUIPMENT

VS-325: ETO STERILIZER

VS-360: ETO DISPOSER SYSTEM

ELECTRICAL

Lighting

General	50 FC - 3 W/SF*
Special	30 FC-2 W/SF**

Notes: *LOBBY

**SERVICE AREA

***VS-325: POWER DOOR - 17A, 120V; CONTROL - 3A, 120V; VS-360: 40A, 208V, 3 PH

***VACUUM PUMP - 8A, 208V, 3 PH; RECEPTACLES: 800 W

Power

General	***
Emergency	***

COMMUNICATIONS

ADP	-	Telephone	-
Radio	-	Intercom	-
		Public Address	-

HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling F	76	Relative Humidity/Cooling	-
Dry Bulb Temp Heating F	72	Relative Humidity/Heating	-
Minimum % Outside Air	100	Minimum Air Changes/Hr	10
100% Exhaust Air	YES	Room Pressure	NEGATIVE
Noise Criteria	NC-40	AC Load - Equipment	2.0438 W/SM
Steam	-	Number of People	0
Notes:		Special Exhaust	YES****

****DEDICATED ETO EXHAUST SYSTEM PER HVAC DESIGN MANUAL

VS-360 WHERE REQ'D TO MEET STATE CODES

PLUMBING AND MEDICAL GASES

Cold Water	YES	Sanitary Drain	YES*****
Hot Water	-	Reagent Grade Water	-
Laboratory Air	-	Medical Air	-
Laboratory Vacuum	-	Medical Vacuum	-
Other	SHOP AIR*****	Oxygen	-

Notes: *****4" OSD FOR EACH STERILIZER

*****FOR VS EQUIP

Equipment Guide List

EtO Sterilizer/Aerator Room

Equipment Guide List for this area reprinted from 5-2 Preparation, Assembly & Sterilization Area.

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
NOTE: PROVIDE EMERGENCY POWER SYSTEM FOR THE ETO STERILIZER/AERATOR, ETO EXHAUST AND ETO MONITORING EQUIPMENT.						
	VC	1				AERATOR, FOR 100% ETHYLENE OXIDE GAS STERILIZER, SINGLE DOOR, RECESSED THROUGH ONE WALL OR FREE STANDING UNIT, FOR RECESSED UNIT PROVIDE MOUNTING RACK, FOR FREE STANDING UNIT PROVIDE STACKING RACK, PROVIDE ELECTRIC AND EXHAUST AS REQUIRED
	CC	AR				ENCLOSURE PLENUM, CRS, BETWEEN TOP OF AERATOR AND CEILING, PROVIDE EXHAUST LOUVER IN PLENUM ENCLOSURE PANEL ABOVE DOOR (PG-08-1, MCS 11710)
VS-325	CC	2				STERILIZER/AERATOR, ETHYLENE OXIDE GAS, SINGLE DOOR, RECESSED THROUGH ONE OR TWO WALLS, (CHAMBER SIZE: 24" X 36" X 48"/24 CU. FT.), PROVIDE STEAM, WATER, DRAIN, ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
	VC	2				STERILIZER/AERATOR, 100% ETHYLENE OXIDE GAS, SINGLE DOOR, RECESSED THROUGH ONE WALL OR FREE STANDING UNIT, FOR RECESSED UNITS PROVIDE MOUNTING RACK, FOR FREE STANDING UNIT PROVIDE STACKING RACK, PROVIDE COMPRESSED AIR, ELECTRIC AND EXHAUST AS REQUIRED
VS-360	CC	AR				ETHYLENE OXIDE DISPOSER SYSTEM, 838 MM X 889 MM X 2083 MM (33" X 35" X 82"), PROVIDE ELECTRIC AND EXHAUST AS REQUIRED (PG-08-1 & PG-08-6, MCS 11710)
	VV	1				CONTINUOUS MONITORING DEVICE, ETHYLENE OXIDE GAS WITH ADDITIONAL SENSORS/ALARMS, ETO SPECIFIC TO .01 PARTS-PER-MILLION NOTE: PROVIDE ONE EMISSION CONTROL DEVICE FOR NO MORE THAN TWO ETO STERILIZERS
	CC	AR				MODULAR WALL, ENCLOSURE PANELS, CRS, FROM FLOOR TO FINISHED CEILING, WITH EXHAUST LOUVER IN MODULAR PANEL ABOVE DOORS OF STERILIZERS (PG-08-1 & PG-08-6, MCS 11710)
	CC	AR				CART, LOADING, FOR USE WITH STERILIZER/AERATOR, CHAMBER SIZES: 610 MM X 914 MM X 1219 MM/1524 MM (24" X 36" X 48"/60") (PG-08-1, MCS 11710)
	CC	AR				CARRIAGE, TRANSFER, FOR USE WITH STERILIZER/AERATOR, CHAMBER SIZES: 610 MM X 914 MM X 1219 MM/1524 MM (24" X 36" X 48"/60") (PG-08-1, MCS 11710)

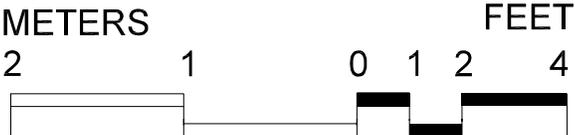
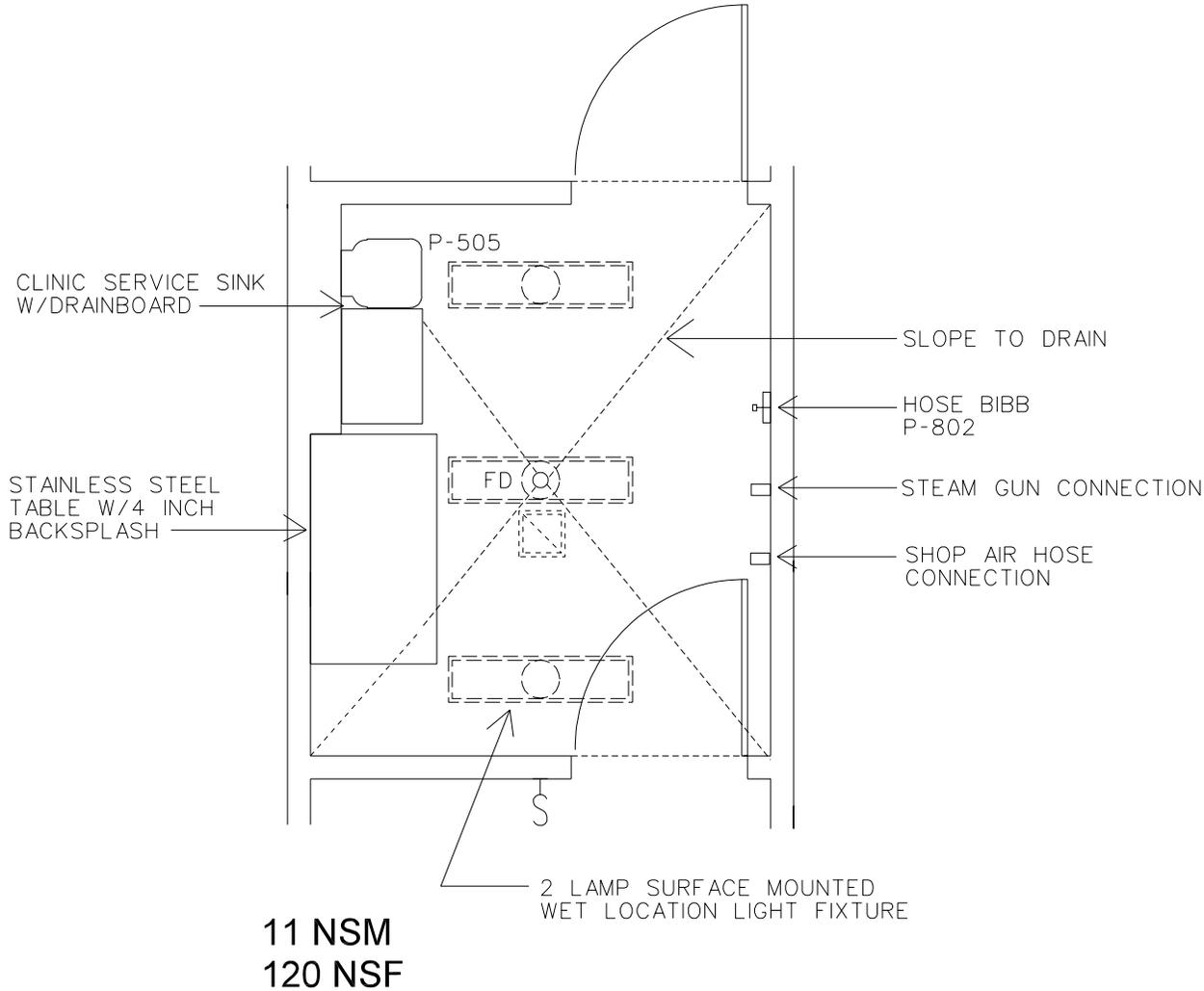
Equipment Guide List

EtO Sterilizer/Aerator Room

Equipment Guide List for this area reprinted from 5-2 Preparation, Assembly & Sterilization Area.

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
CC	AR	8	7	6	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-08-1, MCS 16140; H-08-3, CS 801-3)	

Equipment & Utility Plan Manual Equipment Wash Area



Design Standards

Manual Equipment Wash Area

ARCHITECTURAL

Ceiling	PCP	Wainscot	-
Ceiling Height	2700 (9'-0")	Base	QT
Wall Finish	CT*	Floor Finish	QT
Notes:		Slab Depression	-

*MOUNT CT ON CONCRETE BACKER BOARD

ELECTRICAL

Lighting

General	50 FC - 3 W/SF
Special	-

Power

General	800 W RECEPTACLES
Emergency	-

COMMUNICATIONS

ADP	-	Telephone	-
Radio	-	Intercom	-
Notes:		Public Address	-

HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling F	-	Relative Humidity/Cooling	-
Dry Bulb Temp Heating F	-	Relative Humidity/Heating	-
Minimum % Outside Air	-	Minimum Air Changes/Hr	10
100% Exhaust Air	YES	Room Pressure	NEGATIVE
Noise Criteria	NC-40	AC Load - Equipment	-
Steam	YES	Number of People	0
Notes:		Special Exhaust	YES**

**DEDICATED EXHAUST SYSTEM, SS CONSTRUCTION, FOR SATURATED WET EXHAUST AIR

PLUMBING AND MEDICAL GASES

Cold Water	YES	Sanitary Drain	YES***
Hot Water	YES	Reagent Grade Water	-
Laboratory Air	-	Medical Air	-
Laboratory Vacuum	-	Medical Vacuum	-
Other	SHOP AIR****	Oxygen	-

Notes:

***DRAIN AT ROOM CENTER; SLOPE FLOOR AT 1/8" PER FT

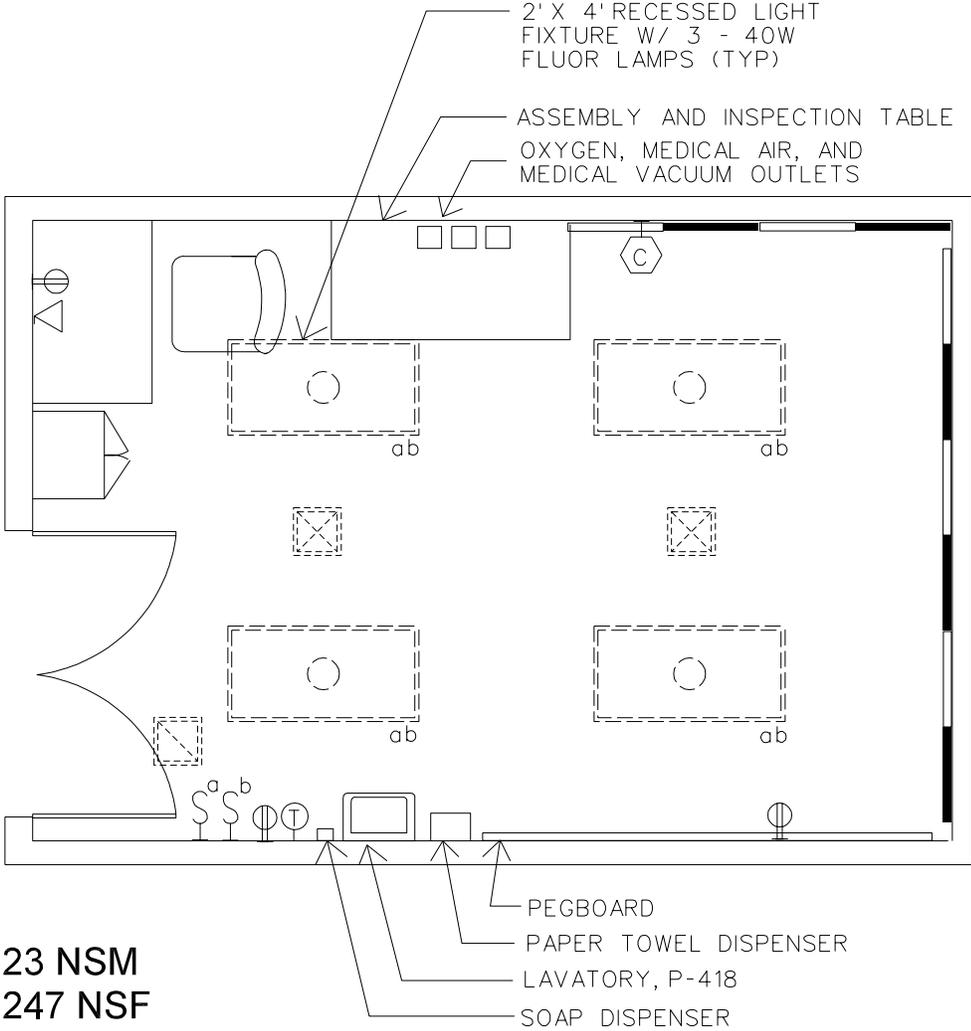
****TO ROOM

Equipment Guide List

Manual Equipment Wash Area

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
P-802	CC	1				MANUAL EQUIPMENT WASH HOSE BIBB, COMBINATION FAUCET, WALL MOUNTED, CONCEALED SUPPLY PIPES (PG-08-1, MCS 15450; H-08- 4, SD 4.2)
	CC	1				CONNECTION, HOSE, STEAM (MECHANICAL DESIGN CRITERIA AND INSTRUCTIONS)
	CC	1				CONNECTION, HOSE, SHOP AIR (PLUMBING DESIGN CRITERIA AND INSTRUCTIONS)
	CC	1				DRAIN, FLOOR (PG-08-1, MCS 15400)
	VV	1				GUN, STEAM PACKAGE, STEAM/WATER MODEL, WALL HUNG WITH DETERGENT TANK AND DETERGENT/STEAM HOSES
P-505	CC	1				SINK, SERVICE, CLINIC, FLUSHING RIM, WALL HUNG (PG-08-1, MCS 15450; H-08-4, SD 379)
	VV	1				TABLE, STAINLESS STEEL, 29"W X 60"L, WITH 4" HIGH BACKSPLASH

Equipment & Utility Plan Equipment Storage & Testing Room



Design Standards

Equipment Storage & Testing Room

ARCHITECTURAL

Ceiling	AT (SP)	Wainscot	-
Ceiling Height	2700 (9'-0")	Base	RB
Wall Finish	AT (SP)	Floor Finish	VCT
Notes:		Slab Depression	-

0.35 X STERILE/NONSTERILE STORAGE
MUST BE SITUATED CLOSE TO PREP AREA

SPECIAL EQUIPMENT

ELECTRICAL

Lighting

General	50 FC - 3 W/SF
Special	-

Notes:

Power

General	2000 W RECEPTACLES
Emergency	-

COMMUNICATIONS

ADP	-	Telephone	YES
Radio	-	Intercom	-
Notes:		Public Address	-

HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling F	76	Relative Humidity/Cooling	50%
Dry Bulb Temp Heating F	72	Relative Humidity/Heating	30%
Minimum % Outside Air	100	Minimum Air Changes/Hr	10
100% Exhaust Air	YES	Room Pressure	(0)
Noise Criteria	NC-40	AC Load - Equipment	0.0929 W/SM
Steam	-	Number of People	2
Notes:		Special Exhaust	-

PLUMBING AND MEDICAL GASES

Cold Water	YES	Sanitary Drain	YES
Hot Water	YES	Reagent Grade Water	-
Laboratory Air	-	Medical Air	YES
Laboratory Vacuum	-	Medical Vacuum	YES
Other	-	Oxygen	YES

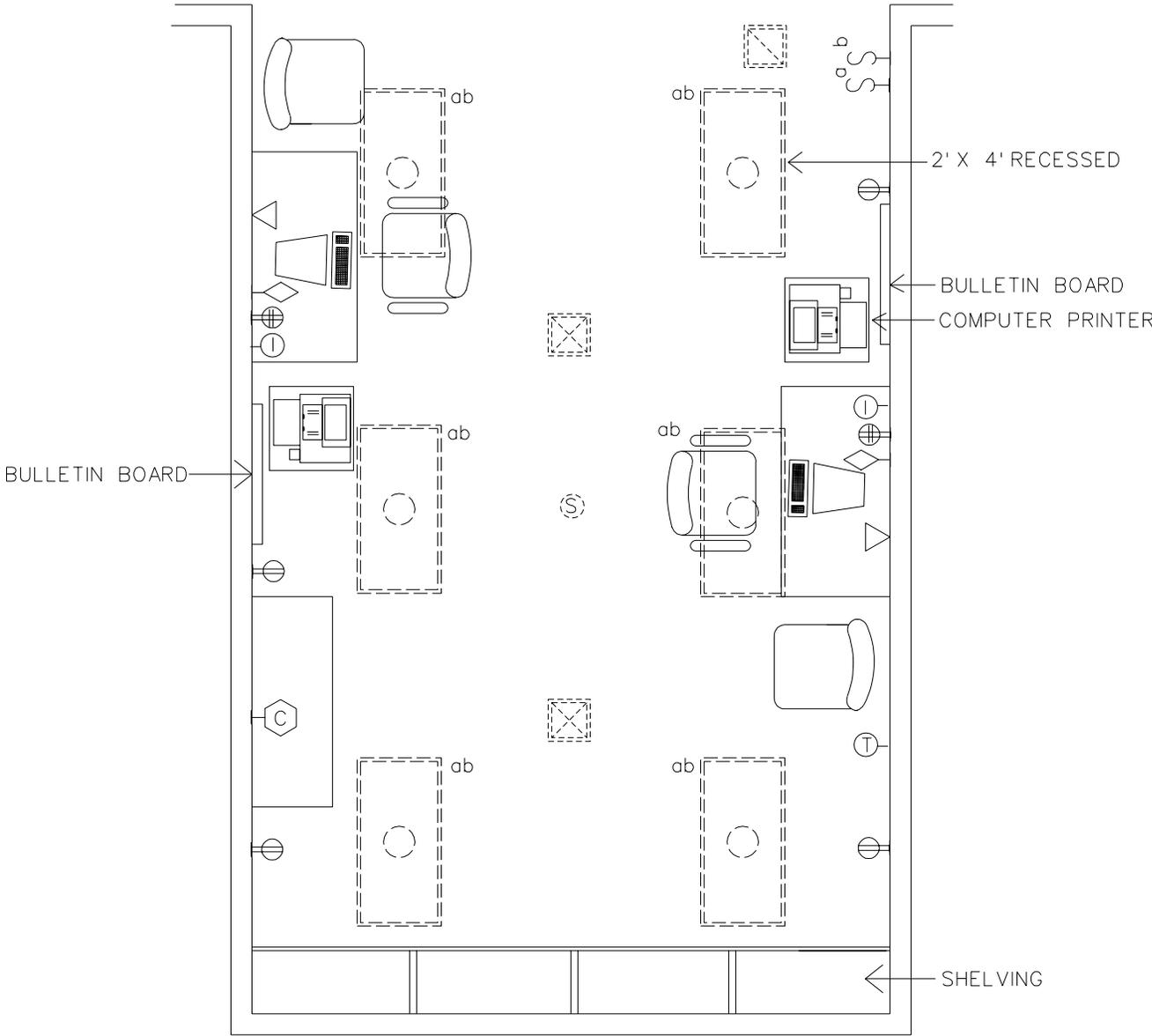
Notes:

Equipment Guide List

Equipment Storage & Testing Room

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
						EQUIPMENT STORAGE AND TESTING ROOM
	CC	AR				PEGBOARD, HEAVY DUTY, WALL HUNG (FOR HANGING BED RAILS, ORTHOPEDIC EQUIPMENT, ETC.) (PG-08-1, MCS 06200)
	VV	AR				EQUIPMENT ASSEMBLY/INSPECTION STATION, WOOD, STORAGE DRAWERS, 762 MM X 1524 MM X 914 MM (30" X 60" X 36") WITH 203 MM (8") BACKSPLASH
	CC	1				OUTLET, MEDICAL VACUUM (PG-08-1, MCS 15491)
	CC	1				OUTLET, OXYGEN, (PG-08-1, MCS 15491)
	CC	1				OUTLET, MEDICAL AIR (PG-08-1, MCS 15491)
P-418	CC	1				LAVATORY, STRAIGHT BACK, SENSOR CONTROL (PG-08-1, MCS 15450; H-08-4, SD 380)
	VV	1				DISPENSER, PAPER TOWEL, SURFACE MOUNTED
	VV	AR				RECEPTACLE, WASTE, WITH SWINGING TOP, 16" X 16"
	CC	1				DISPENSER, SOAP, WALL MOUNTED WITH FOOT CONTROL (PG-08-1, MCS 10800)
	VV	1				DESK, SINGLE PEDESTAL, APPROX., 1219 MM X 762 MM X 749 MM (48" X 30" X 29-1/2")
	VV	1				CHAIR, ROTARY, WITHOUT ARMS
	VV	AR				CABINET, STORAGE, SMALL PARTS
	VV	1				CLOCK, BATTERY OPERATED
	CC	AR				RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-08-1, MCS 16140; H-08-3, CS 801-3)

Equipment & Utility Plan Dispatcher's Control Station



NOTE: LOCATE CLEAN TRANSPORT STATION IN VICINITY OF DISPATCH AREA

33 NSM
355 NSF



Design Standards Dispatcher's Control Station

ARCHITECTURAL

Ceiling	AT	Wainscot	-
Ceiling Height	2700 (9'-0")	Base	RB
Wall Finish	PL (SC)	Floor Finish	VCT
Notes:		Slab Depression	-

0.1 X STERILE/NONSTERILE STORAGE

SPECIAL EQUIPMENT

ELECTRICAL

Lighting

General	70 FC - 4 W/SF
Special	-

Notes:

Power

General	2000 W RECEPTACLES
Emergency	-

COMMUNICATIONS

ADP	-	Telephone	-
Radio	-	Intercom	EMPTY CONDUIT
Notes:		Public Address	YES*

*CONNECT TO HOSPITAL SYSTEM

HEATING, VENTILATING AND AIR CONDITIONING

Dry Bulb Temp Cooling F	76	Relative Humidity/Cooling	50%
Dry Bulb Temp Heating F	72	Relative Humidity/Heating	30%
Minimum % Outside Air	100	Minimum Air Changes/Hr	10
100% Exhaust Air	YES	Room Pressure	(0)
Noise Criteria	NC-40	AC Load - Equipment	2.2296 W/SM
Steam	-	Number of People	2
Notes:		Special Exhaust	-

PLUMBING AND MEDICAL GASES

Cold Water	-	Sanitary Drain	-
Hot Water	-	Reagent Grade Water	-
Laboratory Air	-	Medical Air	-
Laboratory Vacuum	-	Medical Vacuum	-
Other	-	Oxygen	-

Notes:

Equipment Guide List

Dispatcher's Control Station

SYMBOL	AI	QUANTITY				DESCRIPTION
		A	B	C	D	
						DISPATCHER'S CONTROL STATION/OFFICE
VV		1				DESK, DOUBLE PEDESTAL, APPROX., 1524 MM X 762 MM X 749 MM (60" X 30" X 29-1/2")
VV	AR					CHAIR, ROTARY, WITHOUT ARMS
VV		1				CHAIR, ROTARY, WITH ARMS
CC	AR					STATION, CLEAN TRANSPORT, SIZE AND TYPE TO BE DETERMINED FOR EACH PROJECT, COMPATIBLE WITH SOILED RETURN LIFT (PG-08-1, MCS 14125)
VV		1				BULLETIN BOARD, 40"W X 30"H
CC		1				OUTLET, CENTRAL PAGING OR BROADCAST SYSTEM TO BE DETERMINED BY VHA FOR EACH PROJECT WHEN THERE IS NOT AN EXISTING PUBLIC ADDRESS AND/OR RADIO SYSTEM) (PG-08-1, MCS 16770)
VV	AR					BOXES, TOTE FOR CONVEYOR SYSTEM
VV	AR					SHELVING, STORAGE, MOBILE, STEEL, ROD SHELF, OPEN STYLE WITH 5 ADJUSTABLE SHELVES
CC		1				OUTLET, INTERCOM (EMPTY CONDUIT SYSTEM) (PG-08-1, MCS 16111)
CC		1				MASTER STATION, FOR INTRASERVICE INTERCOM (PG-08-1, MCS 16760)
VV		1				CRT, COMPUTER SYSTEM, WITH KEYBOARD
VV		1				PRINTER, COMPUTER SYSTEM
VV		1				STAND, COMPUTER PRINTER, APPROX., 610 MM X 610 MM X 660 MM (24" X 24" X 26")
CC		1				RECEPTACLE, ELECTRICAL, QUADRAPLEX, FOR COMPUTER EQUIPMENT ITEMS (PG-08-1, MCS 16140; H-08-3, CS 866-1)
VV		1				CLOCK, BATTERY OPERATED
CC	AR					RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-08-1, MCS 16140; H-08-3, CS 801-3)