

Section 7

Design Guide Plates and Data Sheets Surgical Suite Support Spaces

Guide Plates

Controls and Communications Center

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Gas Cylinder Storage Room

Equipment, Utility Plan and
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Equipment, Utility Plan &
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Nerve Block Induction Room.....7-4

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Reflected Ceiling Plan.....7-4a

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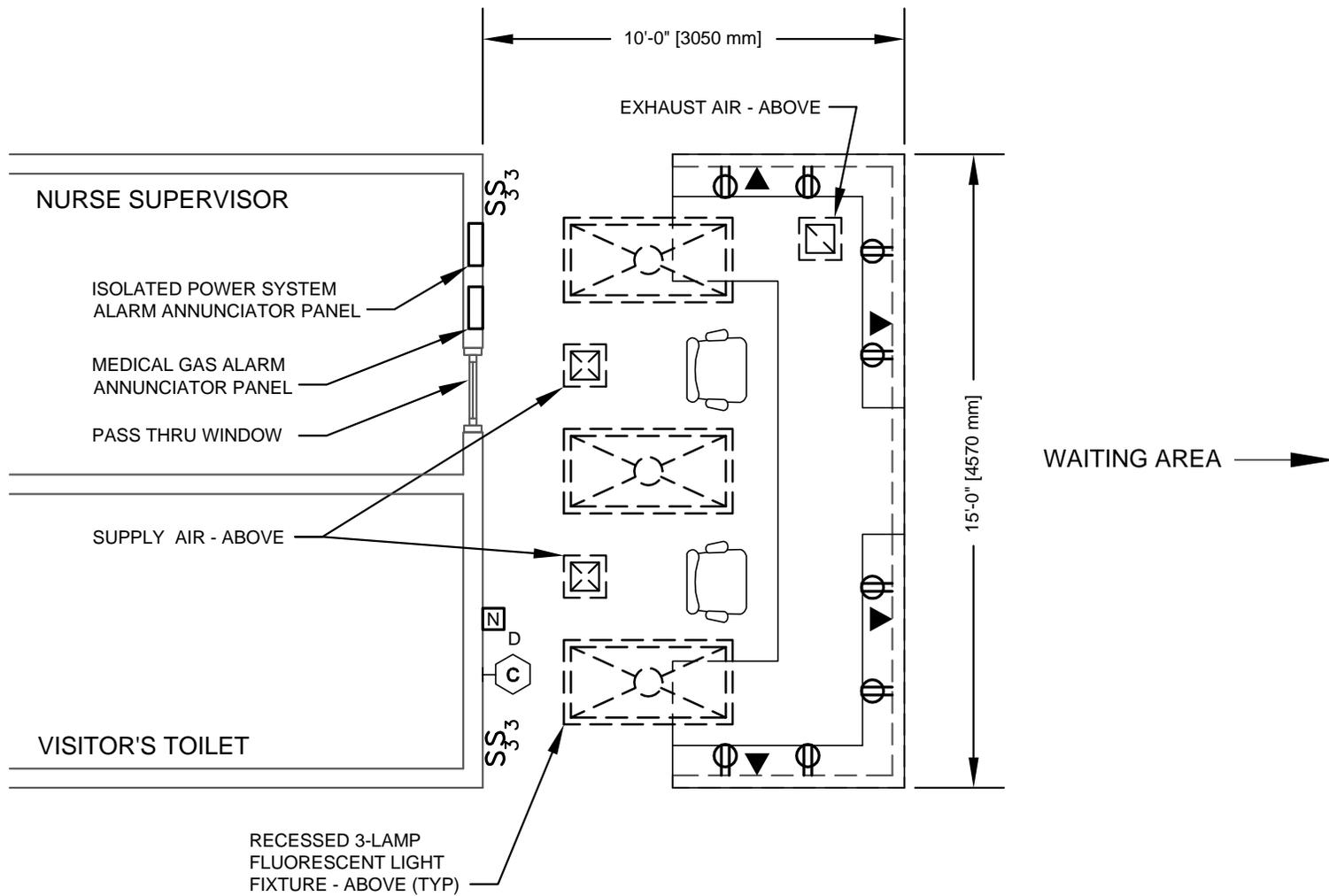
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Reflected Ceiling Plan.....7-5a

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ARCHITECTURAL

Floor Area	150 NSF (14.0 NSM)	Wall Finish	GYP. BOARD
Ceiling	GYP. BOARD	Wainscot	-
Ceiling Height	8'-0" (2.66 METERS)	Base	6" (152 mm) INTEGRAL COVE BASE
Floor Load	100 PSF	Floor finish	WSF
Note:		Lead Lining	-
Refer to PG-18-1 and PG-18-6			

ELECTRICAL

Lighting		Power	
General	70 FC, 2.0 W/SF*	General	1440 W**
Special	UNDERCOUNTER	Special	-
Emergency	ALL	Emergency	ALL

*3 LEVELS OF ILLUMINATION WITH DOUBLE SWITCHING
 **RECEPTACLES ON (2) CIRCUITS, ALTERNATING

TELECOMMUNICATIONS

Patient Monitor	-	Telephone	YES
Nurse Call	DUTY STATION*	Intercom	PART OF TELEPHONE
Code One	-	Public Add.	-
CCTV	-	ADP	-
		Radio	-

*CONNECTED TO RECOVERY

HEATING, VENTILATING AND AIR CONDITIONING

AC Load Lights	2.5 W/SF
AC Load Equipment	3.0 W/SF
Number of People	2
Noise Criteria	NC-40
Room Pressure	(0)
Dry Bulb Temp Cooling Range	78°F (25°C)
Dry Bulb Temp Heating Range	72°F (22°C)
Minimum Air Changes per Hour	-
Minimum % Outside Air	100
100% Exhaust Air	YES
Special Exhaust	-
Steam	-
Relative Humidity	50 %
Relative Humidity	30 %

PLUMBING AND MEDICAL GASES

Cold Water	-	Medical Air	-
Hot Water	-	Medical Vacuum	-
Sanitary Drain	-	Oxygen	-
Acid Waste	-	Nitrous Oxide	-
Silver Recovery	-	Nitrogen	-
		Anesthesia Evac	MED GAS AREA ALARM

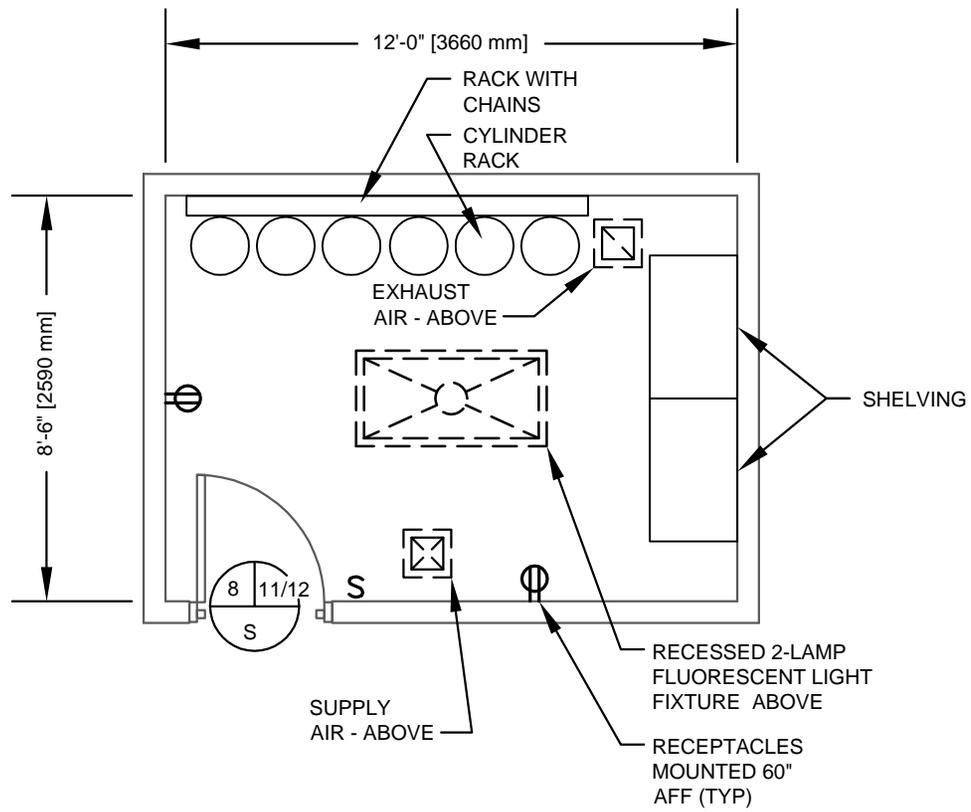
SPECIAL EQUIPMENT

None



SYMBOL	QTY	AI	DESCRIPTION	MCS
	AR	CC	COUNTER, CONTROL, WITH PLASTIC LAMINATE TOP, 36" (915 mm) HIGH, ON CORRIDOR	12302
	AR	VV	CHAIR, ROTARY, WITH ARMS	
	1	CC	PASS-WINDOW FROM OFFICE, OPERATING ROOM SUPERVISOR	05500 08665
	1	CC	ALARM, AUDIO-VISUAL, SURGICAL SUITE PIPED GAS SYSTEM, WITH PILOT LIGHT AND BUZZER TO SIGNAL FAILURE DUE TO LOW PRESSURE OR LOW VACUUM, IN THE OXYGEN, NITROUS OXIDE, AIR AND VACUUM SYSTEMS	15491
	AR	CC	ALARM, AUDIO-VISUAL, FOR EACH UNGROUNDED ISOLATED POWER SYSTEM ELECTRICAL SERVICE	16761
	1	VV	CLOCK, BATTERY OPERATED	
	AR	CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP	16140





ARCHITECTURAL

Floor Area	102 NSF (9.5 NSM)	Wall Finish	GYP. BOARD(SC)
Ceiling	GYP. BOARD	Wainscot	-
Ceiling Height	8'-0" (2.66 METERS)	Base	6" (152 mm) INTEGRAL COVE BASE
Floor Load	-	Floor finish	WSF
Note:		Lead Lining	-
Refer to PG-18-1 and PG-18-6			

ELECTRICAL

Lighting		Power	
General	20 FC, 1.0 W/SF	General	720 W
Special	-	Special	-
Emergency	ALL FIXTURES	Emergency	-

TELECOMMUNICATIONS

Patient Monitor	-	Telephone	-
Nurse Call	-	Intercom	-
Code One	-	Public Addr.	-
CCTV	-	ADP	-
		Radio	-

HEATING, VENTILATING AND AIR CONDITIONING

AC Load Lights	1.0 W/SF
AC Load Equipment	1.0 W/SF
Number of People	1
Noise Criteria	NC-40
Room Pressure	NEGATIVE
Dry Bulb Temp Cooling Range	78°F (25°C)
Dry Bulb Temp Heating Range	72°F (22°C)
Minimum Air Changes per Hour	SEE NOTE *
Minimum % Outside Air	100
100% Exhaust Air	YES
Special Exhaust	-
Steam	-
Relative Humidity	50 %
Relative Humidity	30 %

NOTE:

*INDEPENDENT EXHAUST, MINIMUM 1.0 CFM/SF, BUT NOT LESS THAN 50 CFM

PLUMBING AND MEDICAL GASES

Cold Water	-	Medical Air	-
Hot Water	-	Medical Vacuum	-
Sanitary Drain	-	Oxygen	-
Acid Waste	-	Nitrous Oxide	-
Silver Recovery	-	Nitrogen	-
		Anesthesia Evac	-

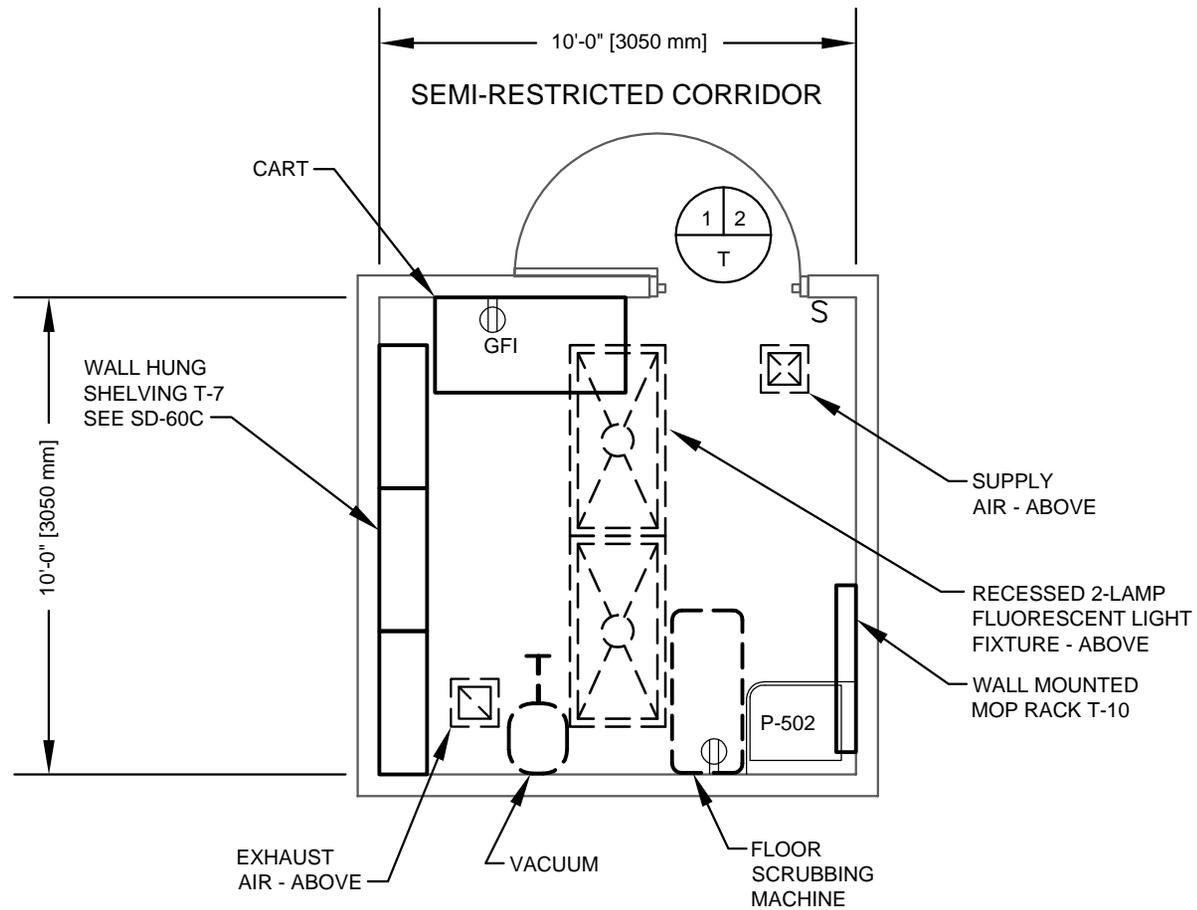
SPECIAL EQUIPMENT

IF REQUIRED, HAZARDOUS/EXPLOSIONPROOF ROOM CONSTRUCTION TO COMPLY WITH NFPA 99, CHAPTERS 4, 5, 9 AND ELECTRICAL CONSTRUCTION REQUIREMENTS OF NFPA 70.



SYMBOL	QTY	AI	DESCRIPTION	MCS
	AR	CC	RACK, CHAIN (PG-18-1)	05500
	AR	CC	RACK, CYLINDER, 28"W X 22"D X 76"H (710 mm X 560 mm X 1930 mm)	05500
	AR	CC	SHELVING, FLOORSTANDING, STEEL, WITH SLOPING TOP AND 5 ADJUSTABLE SHELVES, 36"W X 22"D X 84"H (915 mm X 560 mm X 2135 mm)	12301
	AR	CC	EXHAUST FAN	15822
	AR	CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP	16140





ARCHITECTURAL

Floor Area	100 NSF (9.3 NSM)	Wall Finish	GYP. BOARD(SC)
Ceiling	GYP. BOARD	Wainscot	CT 4'-0" (1.22 METERS)
Ceiling Height	8'-0" (2.66 METERS)	Base	6" (152 mm) INTEGRAL COVE BASE
Floor Load	-	Floor finish	WSF
Note:		Lead Lining	-
Refer to	PG-18-1 and PG-18-6		

ELECTRICAL

Lighting		Power	
General	40 FC, 1.5 W/SF	General	180 WATTS
Special	-	Special	-
Emergency	ALL	Emergency	-

TELECOMMUNICATIONS

Patient Monitor	-	Telephone	-
Nurse Call	-	Intercom	-
Code One	-	Public Addr.	-
CCTV	-	ADP	-
		Radio	-

HEATING, VENTILATING AND AIR CONDITIONING

AC Load Lights	1.5 W/SF
AC Load Equipment	0.8 W/SF
Number of People	1
Noise Criteria	NC-40
Room Pressure	NEGATIVE
Dry Bulb Temp Cooling Range	78°F (25°C)
Dry Bulb Temp Heating Range	72°F (22°C)
Minimum Air Changes per Hour	10 (EA)
Minimum % Outside Air	-
100% Exhaust Air	YES
Special Exhaust	-
Steam	-
Relative Humidity	50 %
Relative Humidity	30 %

PLUMBING AND MEDICAL GASES

Cold Water	YES	Medical Air	-
Hot Water	YES	Medical Vacuum	-
Sanitary Drain	YES	Oxygen	-
Acid Waste	-	Nitrous Oxide	-
Silver Recovery	-	Nitrogen	-
		Anesthesia Evac	-

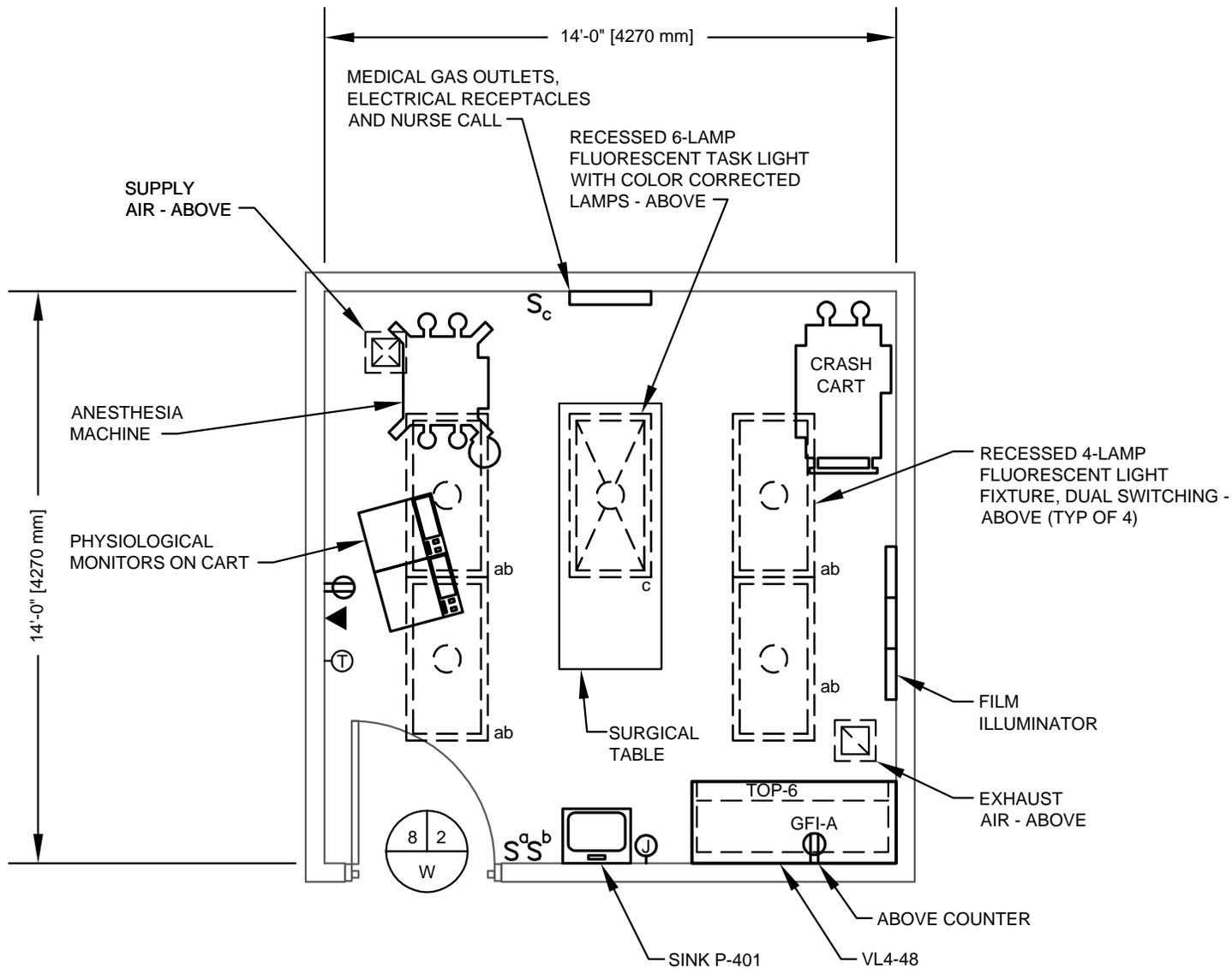
SPECIAL EQUIPMENT

None



SYMBOL	QTY	AI	DESCRIPTION	MCS
P-502	1	CC	SINK, SERVICE, CORNER, FLOOR MOUNTED	15450
T-10	AR	CC	RACK, MOP, WALL MOUNTED	10360
T-7	AR	CC	SHELVING, WALL HUNG, CORROSION RESISTING STEEL, TWO FIXED SHELVES, TWO DOORS WITH LOCKS, 36" X 12" X 48" (915 mm X 305 mm X 1220 mm), 60" (1525 mm) ABOVE FINISHED FLOOR	12301
	1	VV	VACUUM CLEANER, BATTERY POWERED	
	1	VV	MACHINE, SCRUBBING, WALL, BATTERY POWERED	
	1	VV	CART, SUPPLIES, 24" X 48" (610 mm X 1220 mm)	
	AR	CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, GROUND FAULT INTERRUPTER TYPE	16140





Scale: 1/4"=1'-0"

ARCHITECTURAL

Floor Area	200 NSF (19.0 NSM)	Wall Finish	GYP .BOARD(SC)
Ceiling	GYP. BOARD	Wainscot	-
Ceiling Height	9'-0" (2.75 METERS)	Base	6" (152 mm) INTEGRAL COVE BASE
Floor Load	-	Floor finish	WSF
Note:		Lead Lining	-

Refer to [PG-18-1](#) and [PG-18-6](#)

ELECTRICAL

Lighting		Power	
General	100 FC, 3.0 W/SF	General	1800 WATTS*
Special	-	Special	-
Emergency	-	Emergency	-

*X-RAY ILLUMINATOR, (6) 300W

TELECOMMUNICATIONS

Patient Monitor	YES	Telephone	YES
Nurse Call	YES	Intercom	PART OF TELEPHONE
Code One	-	Public Addr.	-
CCTV	-	ADP	-
		Radio	-

HEATING, VENTILATING AND AIR CONDITIONING

AC Load Lights	3.5 W/SF
AC Load Equipment	5.0 W/SF
Number of People	5
Noise Criteria	NC-40
Room Pressure	POSITIVE
Dry Bulb Temp Cooling Range	78°F (25°C)
Dry Bulb Temp Heating Range	72°F (22°C)
Minimum Air Changes per Hour	12(SA)
Minimum % Outside Air	100
100% Exhaust Air	YES
Special Exhaust	-
Steam	-
Relative Humidity	50 %
Relative Humidity	30 %

PLUMBING AND MEDICAL GASES

Cold Water	YES	Medical Air	YES
Hot Water	YES	Medical Vacuum	YES
Sanitary Drain	YES	Oxygen	YES
Acid Waste	-	Nitrous Oxide	YES
Silver Recovery	-	Nitrogen	-
		Anesthesia Evac	YES

SPECIAL EQUIPMENT

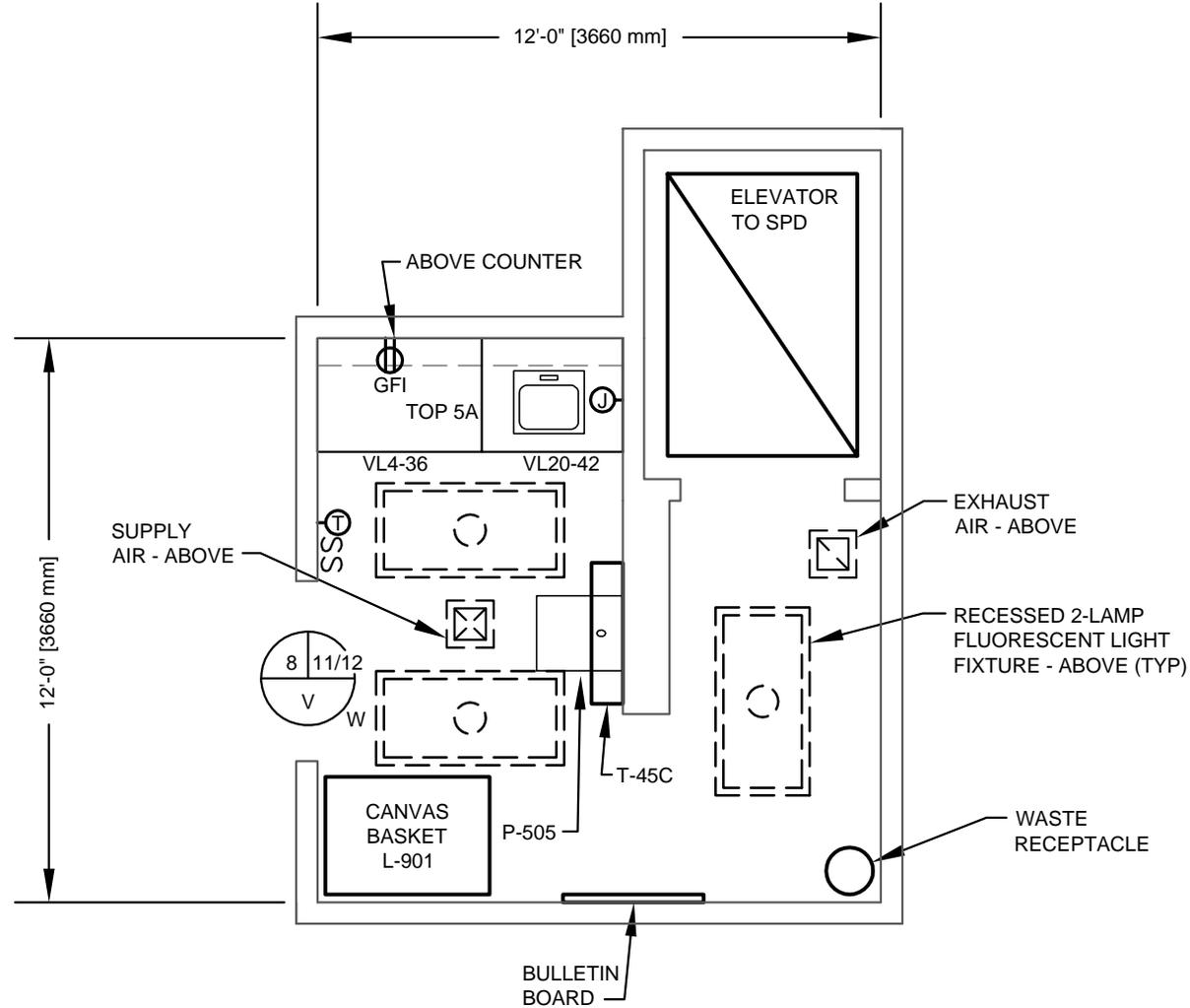
None



SYMBOL	QTY	AI	DESCRIPTION	MCS
VL4/4A	AR	CF	CABINET, UNDERCOUNTER, WITH 2 DRAWERS, 2 HINGED DOORS AND 1 ADJUSTABLE SHELF, AVAILABLE WIDTHS 30" (760 mm), 36" (915 mm), 48" (1220 mm); DEPTH 22" (560 mm); HEIGHTS 31" (790 mm), 25" (635 mm), FOR FLOOR MOUNTED ADD 5" (130 mm) TOE BASE	12301
TOP 6/6A	AR	CF	COUNTER TOP, HIGH PRESSURE PLASTIC LAMINATE, ACID RESISTANT COMPOSITION OVER PLYWOOD OR PARTICLE BOARD CORE, 1-1/4" (30 mm) THICK	12302
	1	VV	TABLE, EXAMINING, PADDED, ADJUSTABLE, UPHOLSTERED TOP WITH STORAGE SPACE, 30"W X 78"L X 32"H (760 mm X 1980 mm X 815 mm)	
	1	VV	ILLUMINATOR, X-RAY, 120 VOLT, 20 AMP, WALL MOUNTED, APPROX., 40" X 45" (1015 mm X 1145 mm) 6 IN 1 (3 OVER 3)	
	AR	CC	OUTLET, WALL, MEDICAL AIR	15491
	AR	CC	OUTLET, WALL, OXYGEN	15491
	AR	CC	OUTLET, WALL, VACUUM	15491
	AR	CC	BRACKET, VACUUM BOTTLE SLIDE	15491
	AR	CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP	16140
	1	VV	CART, EMERGENCY, "CRASH CART"	
	AR	CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, GROUND FAULT INTERRUPTOR TYPE	16140
	1	VV	ANESTHESIA MACHINE	
	1	VV	PHYSIOLOGICAL MONITOR ON CART	
P-401	1		LAVATORY(SINGLE LEVER HANDLE CONTROL) 20"(500 mm) X 18"(450 mm), VITROUS CHINA.	



NOTE: SEE PG-18-6 FOR VL EQUIPMENT



ARCHITECTURAL

Floor Area	120 NSF (11.0 NSM)	Wall Finish	GYP. BOARD(SC)
Ceiling	GYP. BOARD	Wainscot	-
Ceiling Height	9'-0" (2.75 METERS)	Base	6" (152 mm) INTEGRAL COVE BASE
Floor Load	-	Floor finish	WSF
Note:		Lead Lining	-

Refer to [PG-18-1](#) and [PG-18-6](#)

ELECTRICAL

Lighting		Power	
General	40 FC, 1.5 W/SF	General	360 W
Special	-	Special	-
Emergency	ALL	Emergency	-

TELECOMMUNICATIONS

Patient Monitor	-	Telephone	YES
Nurse Call	-	Intercom	-
Code One	-	Public Addr.	-
CCTV	-	ADP	-
		Radio	-

HEATING, VENTILATING AND AIR CONDITIONING

AC Load Lights	1.7 W/SF
AC Load Equipment	1.0 W/SF
Number of People	1
Noise Criteria	NC-40
Room Pressure	NEGATIVE
Dry Bulb Temp Cooling Range	78°F (25°C)
Dry Bulb Temp Heating Range	72°F (22°C)
Minimum Air Changes per Hour	6
Minimum % Outside Air	100
100% Exhaust Air	YES
Special Exhaust	-
Steam	-
Relative Humidity	50 %
Relative Humidity	30 %

PLUMBING AND MEDICAL GASES

Cold Water	YES	Medical Air	-
Hot Water	YES	Medical Vacuum	-
Sanitary Drain	YES	Oxygen	-
Acid Waste	-	Nitrous Oxide	-
Silver Recovery	-	Nitrogen	-
		Anesthesia Evac	-

SPECIAL EQUIPMENT

None



SYMBOL	QTY	AI	DESCRIPTION	MCS
P-505	1	CC	SINK, SERVICE, CLINIC, FLUSHING RIM, WALL HUNG (PG-18-1, MCS 15450; CAD DETAIL 15450-3.DWG) T45C 1 CC SHELF, CORROSION RESISTING STEEL, 36"W X 8"D (915 mm X 205 mm); (PG-18-4, CAD DETAIL 10801-1.DWG)	10801
	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED	
	1	VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED	
	1	VV	RECEPTACLE, WASTE, STEP ON TYPE, APPROX., 12" (305 mm) DIAMETER	
	AR	VV	BASKET, CANVAS, 16 BU., REMOVABLE BODY, WITH CASTERS, 42" X 30" (1065 mm X 760 mm)	
	1	VV	BULLETIN BOARD, 36" X 30" (915 mm X 760 mm)	
TOP 5A	1	CF	COUNTER TOP, CORROSION RESISTING STEEL, 1-1/4" (130 mm) THICK, WITH INTEGRAL SINK COMPARTMENT, 18" X 16" X 8" DEEP (460 mm X 405 mm X 205 mm)	12303
J-2	1	CC	SINK, STAINLESS STEEL 18"X16"X8" DEEP (460 mm X 405 mm X 205 mm) MOUNTED IN TOP 5A	
VL20/20A	AR	CF	CABINET, UNDERCOUNTER, SINK UNIT, 2 HINGED PANEL DOORS, AVAILABLE WIDTHS 30" (760 mm), 36" (915 mm), 42" (1065 mm), 48" (1220 mm) DEPTH 22" (560 mm) HEIGHTS 31" (790 mm), 25" (625 mm), FOR FLOOR MOUNTED ADD 5" (130 mm) TOE BASE	12301
	AR	CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (MCS 16140)	
	AR	CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, GROUND FAULT INTERRUPTOR TYPE	16140
VL4-36		CC	CABINET , UNDER COUNTER, 2 DRAWERS AND 2 DOORS, 36" WIDE (915 mm) , 22" DEEP (560 mm) HEIGHT 31" (790 mm)	

