



Department of  
Veterans Affairs  
Office of Facilities Management

# designguide

JULY 1990  
(Revised January 2004)

## SPINAL CORD INJURY CENTER



STARTER UNIT  
K-9402

CEILING MOUNTED  
FLUORESCENT  
FIXTURES SERIES  
SD-E-F-27-B

FLOOR-MOUNTED  
RECEPTABLE

MOBILE COLD  
SERVING UNIT  
W/TRAY SLIDING

FLOOR DRAIN

MOBILE HOT  
SERVING UNIT  
W/TRAY SLIDING

DINING ROOM  
ACCESS

TOASTER (V)

GENERAL PURPOSE  
SERVING UNIT  
W/TRAY SLIDING

COFFEE MAKER  
(VV)

COFFEE MUG  
DISPENSER

## Foreword

This document is intended to be a graphic consolidation of existing Department of Veterans Affairs criteria. It contains data from the following sources:

PG-18-1 .....	Master Construction Specifications
PG-18-3 .....	Design and Construction Procedures
PG-18-4 .....	Standard Details
PG-7610 .....	Equipment Guide List
PG-18-6 .....	Equipment Reference Manual
Handbook 7610 .....	Space Planning Criteria for VA Facilities
PG-18-13 .....	Barrier-Free Design Guide
PG-18-14 .....	Room Finishes & Door Hardware Schedule

Uniform Federal Accessibility Standards and various technical criteria pertaining to Electrical, Architectural, HVAC, and Plumbing.

Our purpose is to make the above USER-FRIENDLY and to serve as an index to these sources when data is either too detailed or too broad to be contained here.

The SCI Design Guide was developed to assist designers. It also is intended to assist the user/client in better understanding the choices that designers ask them to make.

The guideplates contained in the SCI Design Guide are intended as an illustration of the VA's furniture, equipment, and personal space needs. They are not meant to be a limit on design opportunities.

This Design Guide was not intended to be project-specific. While it does contain the majority of spaces that occur in SCI Design, it is not possible to encompass all possibilities. It is therefore recommended that the project-specific space program be the starting point for any individual project design.

**Department of Veterans Affairs  
Office of Facilities Management  
July 1990**

**Note:** The SCI Design Guide was revised in January 2004. These revisions include improved presentation and format and updated references to the latest VA Standards, but there are no changes to the technical requirements.

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# Preface

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## SPINAL CORD INJURY CENTER

## **The Spinal Cord Injury Patient**

One who has sustained a lesion of the spinal cord or cauda equina resulting in either paraplegia or quadriplegia. Paraplegia involves the loss of nerve control from the waist down. Quadriplegia involves loss of nerve control from the neck or shoulders down. Most patients are without control of the legs, lower torso, bowel and bladder control. Most quadriplegics are also without upper torso, arms and hands control, intrinsic hand articulation, and there may be respiratory control problems as well. The Intensive Rehab and Sustaining Care populations have a greater number of paraplegics while the Long-Term population has a majority of quadriplegics.

It can be assumed that each SCI patient will require a conveyance in order to compensate for lost mobility. Paraplegics can be expected to use standard wheelchairs while quadriplegics are more likely to use electric wheelchairs. Lack of mobility, coupled with the loss of sensation often leads to decubitus ulcer (pressure sore) which can temporarily confine a patient to a gurney.

Due to the nature of their injury and to the length of time required for rehabilitation, SCI patients tend to have relatively long hospital stays. After rehabilitation is accomplished, SCI patients often require readmissions for preventative and curative purposes, and there will always be at least an outpatient relationship between the SCI patient and the SCI Center.

## **The Spinal Cord Injury Center**

A specialized medical facility designed to provide a full range of care for patients who have sustained a lesion of the spinal cord and/or cauda equina resulting in either paraplegia or quadriplegia. Each patient assigned to this unit is usually confined to a wheelchair or gurney and required special accommodations.

The purpose of the SCI Center is to concentrate these patients so that they may receive maximum benefit from a specially trained staff and a specially designed, mission-oriented facility.

Spinal Cord Injury Care can occur in three phases and SCI Center designs must provide for their differing needs.

### **INTENSIVE REHABILITATION.**

Stabilization immediately after injury usually occurs at the nearest hospital, with transfer to an SCI Center as soon as possible. In an Intensive Rehab Unit, a multidisciplinary team effort focuses on bringing the patient to the highest function level possible. The goal is, after a stay of from four-to-eight months, to enable the patient to return to independent living.

### **SUSTAINING CARE.**

Once back in the community, SCI patients may develop complications requiring hospitalization. It is the Sustaining Care Unit which enables that patient to regain his or her independence.

### **LONG-TERM CARE.**

Those patients who cannot live outside of the SCI environment because of socio-economic reasons or lack of community and/or family support systems are cared for in the Long-Term SCI Unit. It is common for these patients to stay until the end of their lives, and thus this is an elderly population.

Patients are grouped into Nursing Units according to the level of SCI care required. Intensive Rehab and Sustaining Care patients have similar design needs and can be combined. Long-Term SCI Care should be physically separate because of the different requirements for that level of care. A SCI Center may be comprised of Nursing Unit(s) of one or more of the above three types, and again, if Long Term is included in the combination, a separation must exist in either space or time.



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# Section I

FUNCTIONAL GROUPINGS

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## SPINAL CORD INJURY CENTER

## Spinal Cord Injury Center Functional Grouping

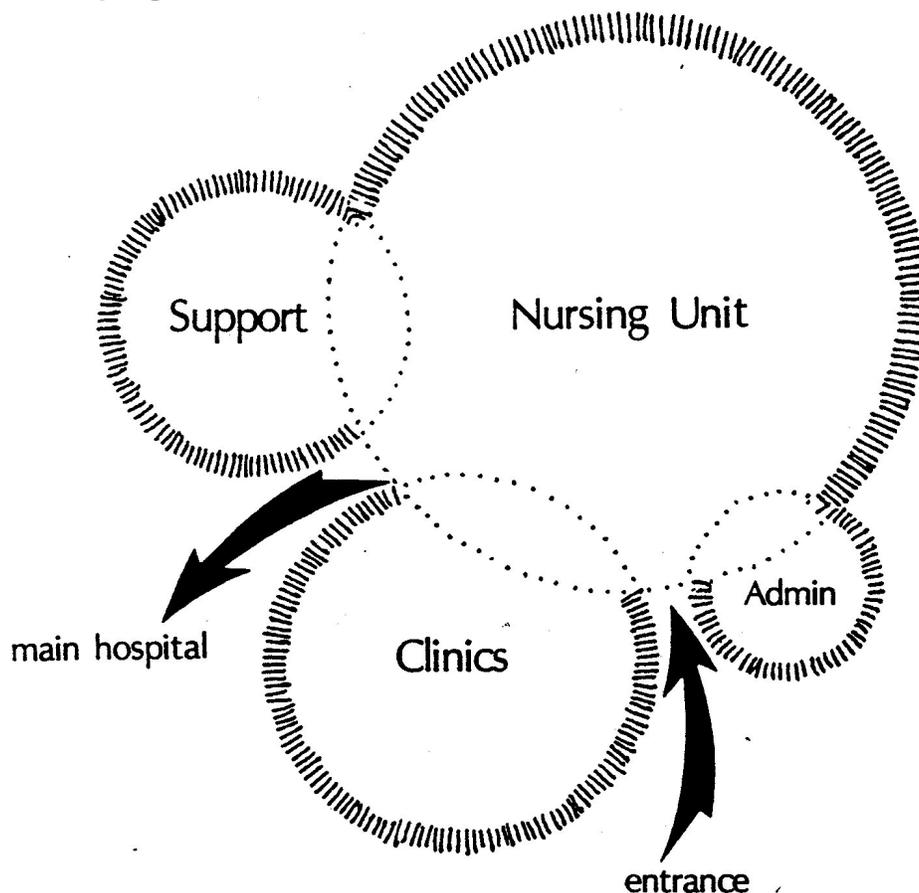


Figure I-1

In new hospital construction the SCIC shall be located at ground level with access to the main elevators. In existing hospitals every effort must be made to locate the SCIC on the ground level. Alternate locations must be approved by the Chief Medical Director. In all cases SCI patients must have direct, level and enclosed access to all major medical facilities.

In relating to the rest of the Medical Center, the SCIC should have close proximity to Rehabilitation Medicine, Prosthetics Service, Dietetics Service, Supply Service and Building Management Service. There should be no proximity between the SCIC and Psychiatric patients.

Whatever the number of Nursing Units programmed they will share Support and Clinic space. The only exception to this is the case of a remote Long Term Nursing Unit where duplication of an RMS and Clinic Space should be required.

Long Term Care Nursing Units must be physically separated from Intensive Rehab/Sustaining Care Nursing Units so that those who are undergoing intense rehabilitation are not distracted by those who for whatever reason, have not achieved a successful rehabilitation.

Each SCIC will have its own entrance and parking lot. See Guideplate #51 for a description of the drop-off procedure.



## Nursing Unit Functional Grouping

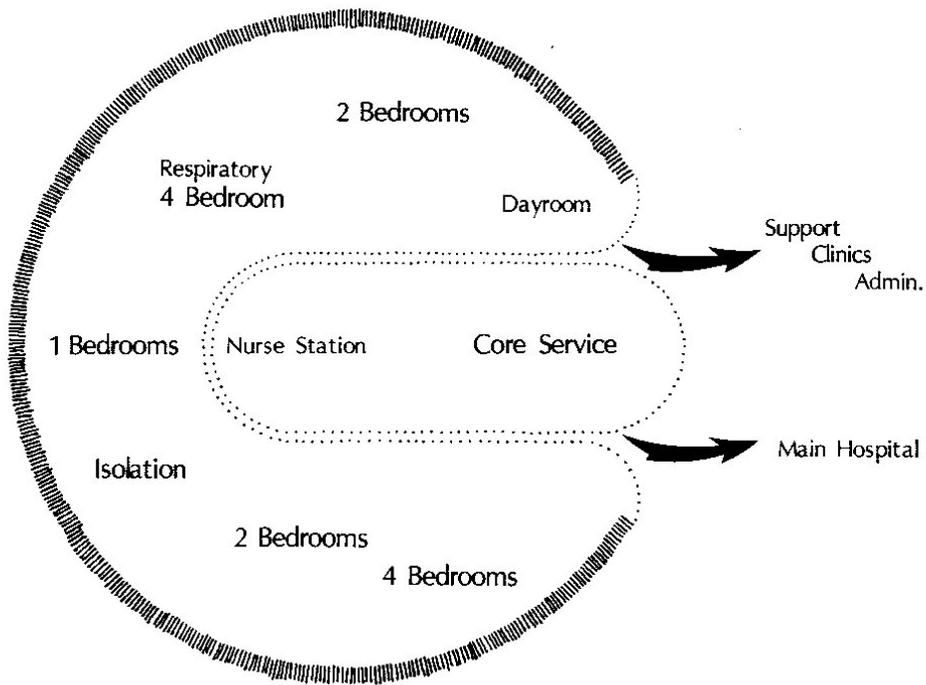


Figure I-2

The design of an SCI Nursing Unit is primarily the wrapping of bedrooms around a service core in such a way that all have good access to staff, and the more acutely ill (those in the One-Bed Rooms, the Isolation Rooms and the Four-Bed Respiratory Room) have priority access to the Nurse Station. A secondary goal for the Nurse Station is visual control of the entrance point(s) to the Nursing Unit.

The Dayroom is intended to be an unsupervised patient activity space and should not be visible from the Nurse Station.

## Support

### Functional Grouping

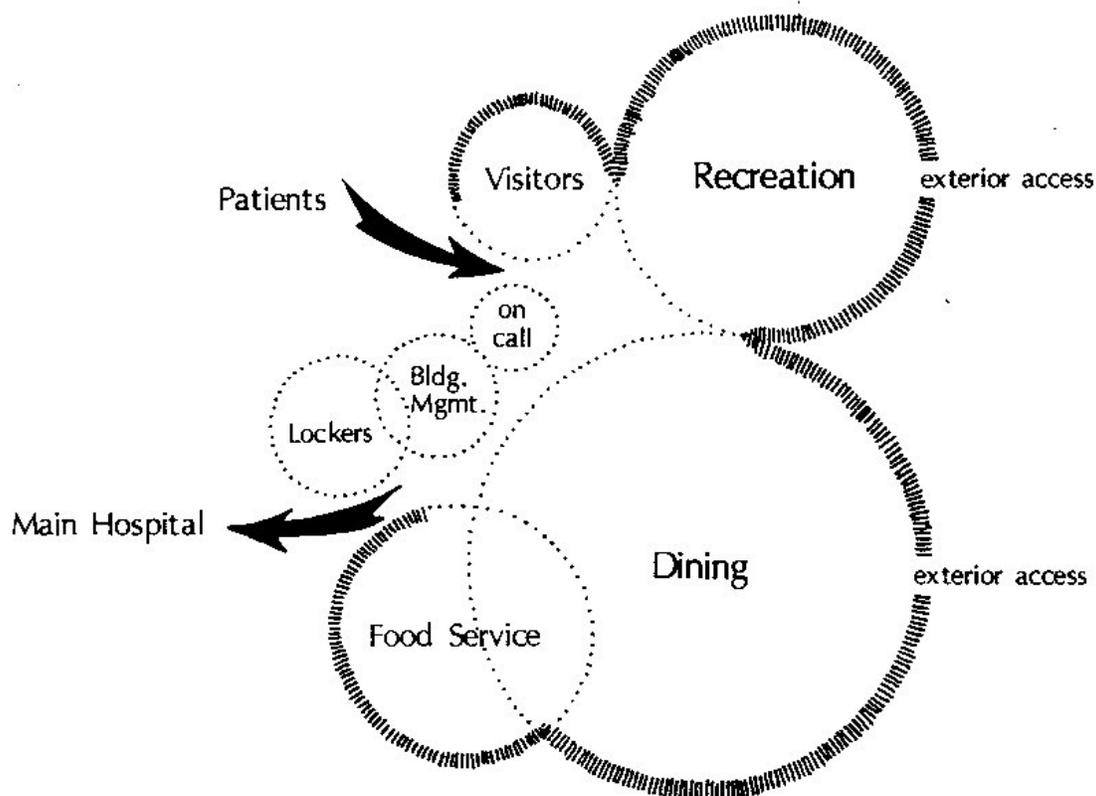


Figure I-3

SCI Support Facilities should be equally accessible from however many nursing units are programmed. The movement of food and supplies between the main hospital and the SCIC should be studied as to the need for a dedicated dock at the SCIC.

Also included in the category of Support are the following spaces:

- Wheelchair & Special Bed Storage
- Resident Clothing & Luggage Storage (Long Term Units only)

These spaces are less frequently accessed and can be in a remote (but accessible) location.

Outdoor recreational space should be provided adjacent to the Recreation and Dining Spaces. The functional possibilities of this outdoor area should be site and climate specific with consideration given to at least the following:

- Picnic/Grille (adjacent to Dining)
- Basketball (half court)

- Accessible Gardening Planter
- Accessible Par Course
- Shaded Seating Area
- Putting Green
- Varied Surfaces with Slopes (for wheelchair training)
- Shuffleboard/Bocce
- Horseshoe Pits
- Children's Play Area
- Game Tables
- Exterior Storage
- Fountain

## Clinics

### Functional Grouping

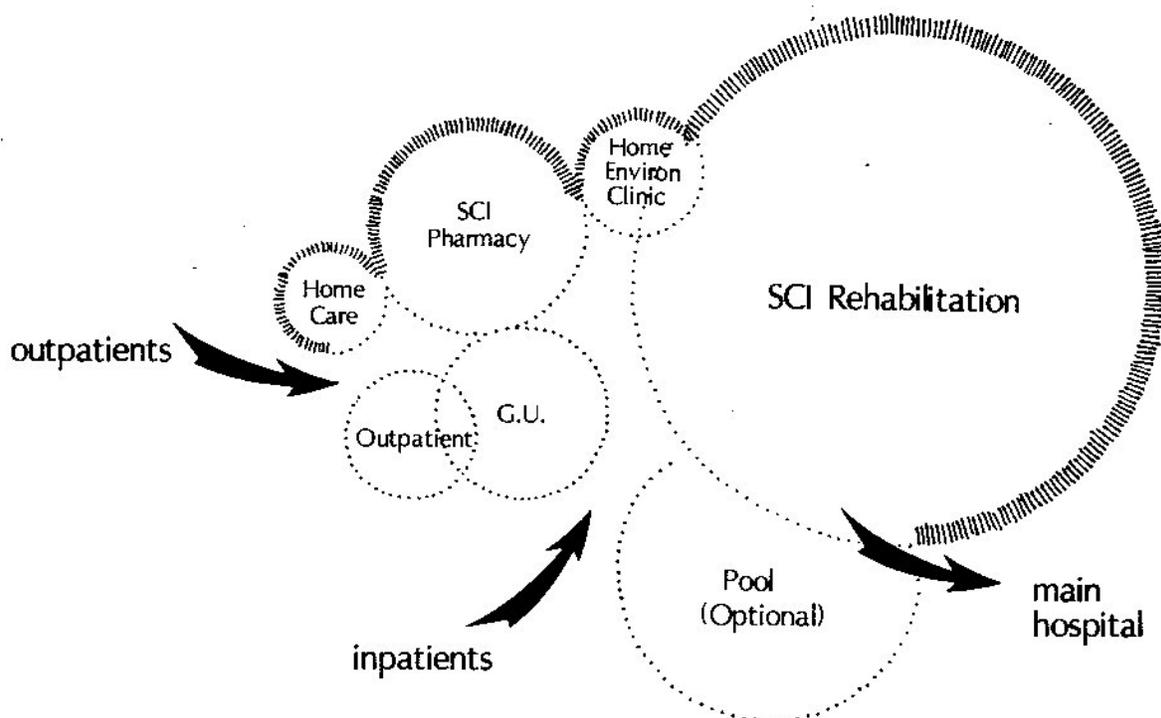


Figure I-4

The location of Clinical Facilities should be equidistant from all Nursing Units in the SCIC. The Outpatient/GU, Home Care and Pharmacy spaces should be adjacent to the dedicated SCIC entrance.

Each SCIC will have an Outpatient/GU Clinic. The movement of Outpatients will for the most part be limited to the Clinical areas shown above. Staff, on the other hand, will need direct access from the Nursing Units to the GU/Cysto area during emergencies.

Pharmacy Service is responsible for dispensing all drugs and many supplies required by both inpatients and outpatients. While some dedicated Pharmacy facility will be provided for each SCIC the actual program will be determined on a case-by-case basis.

Dedicated Rehabilitation space will be a part of each SCIC and will be sized according to the number of inpatients. Each SCIC will be served by a therapeutic pool. Existing pool facilities should be evaluated as to their ability to meet the needs of the SCI patient.

## Spinal Cord Injury Design Guide Traffic Chart

The following is a generalization of the degree of mobility to be expected in the different types of Spinal Cord Injury patients.

Spinal Cord Injury Design Guide Traffic Chart  ● Significant Traffic ○ Limited Traffic  Patient Type	Bedrooms	Dayroom	Dining	Rehabilitation	G.U. Clinic	Recreation	Home Environment Clinic	Pool	Outpatient Clinic	Prosthetics	Administration	SCI Research
	Initial Acute Injury	●				●						
Intensive Rehabilitation	●	●	●	●	●	●	●	●		●	○	
Episodic/Sustaining	●	●	●	●	●	●	○	●		●	○	
Acute Respirator	●				●					●	○	
Chronic Respirator	●	●	●	●	●	●				●	○	
Long Term	●	●	●	●	●	●		●		●	○	
Isolation	●											
SCI Outpatient				●	●			●	●	●	○	

Table I-1



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# Section II

ANTHROPOMETRICS

## SPINAL CORD INJURY CENTER



## Typical Wheelchair & Reach Dimensions

Figure II-1

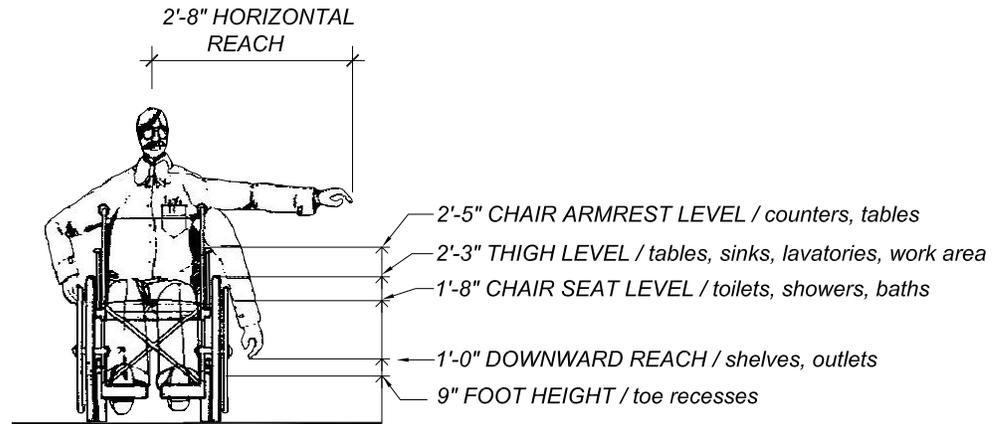


Figure II-2

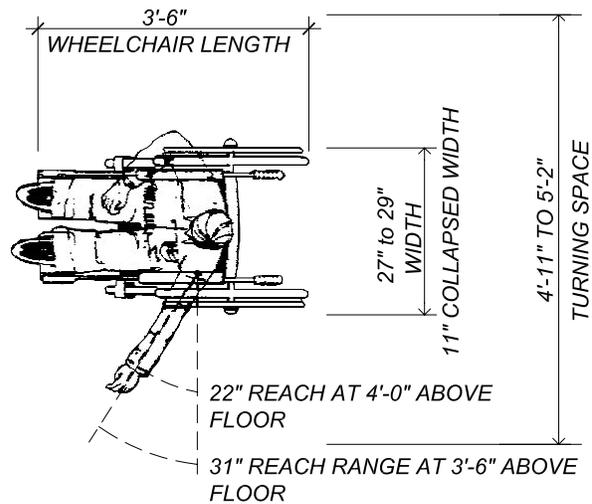
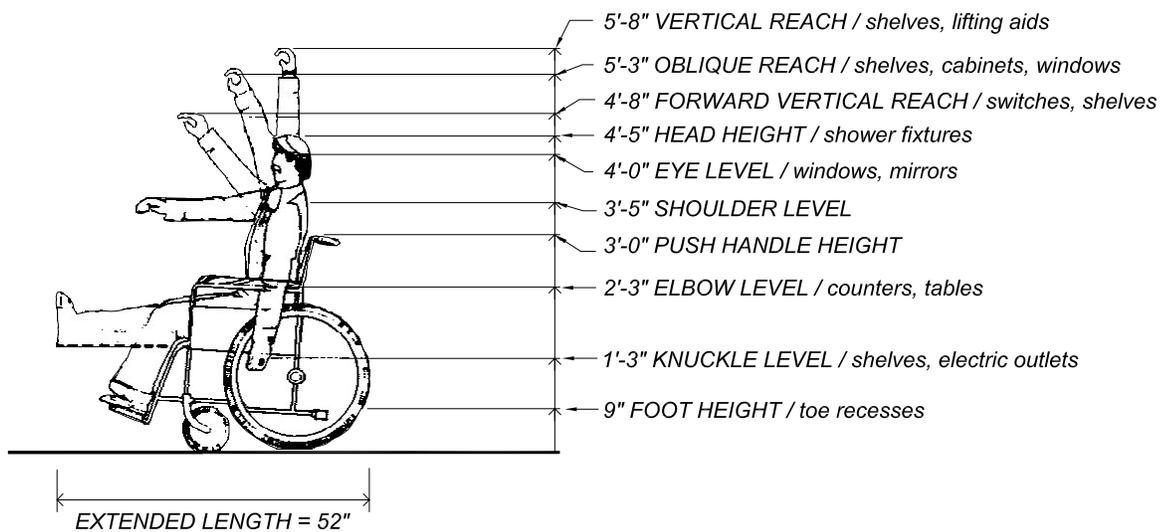


Figure II-3



## Typical Self-Propelled Litter and Reach Dimensions

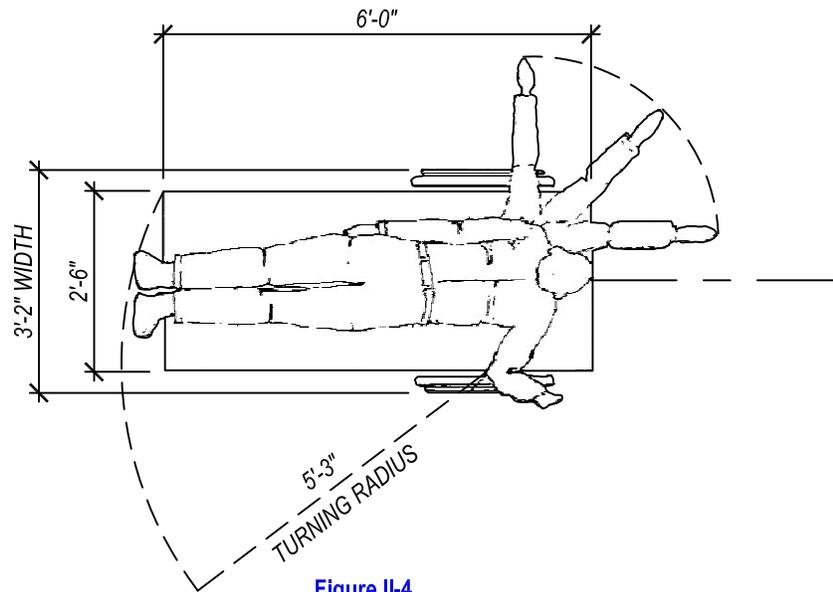


Figure II-4

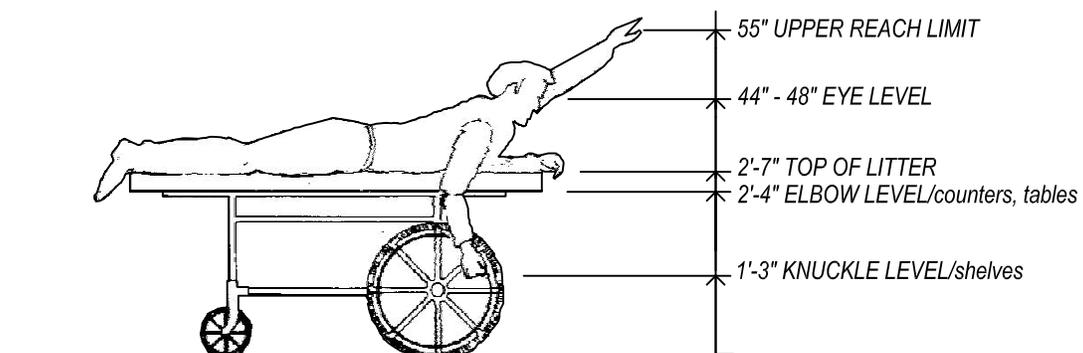


Figure II-5

## Toilet Transfer Techniques

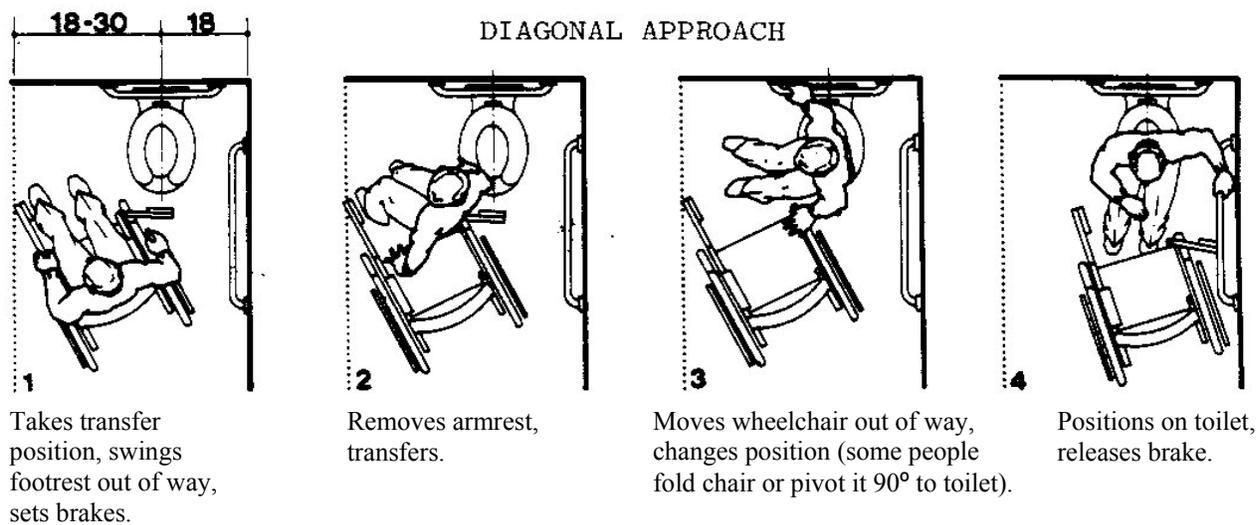


Figure II-6

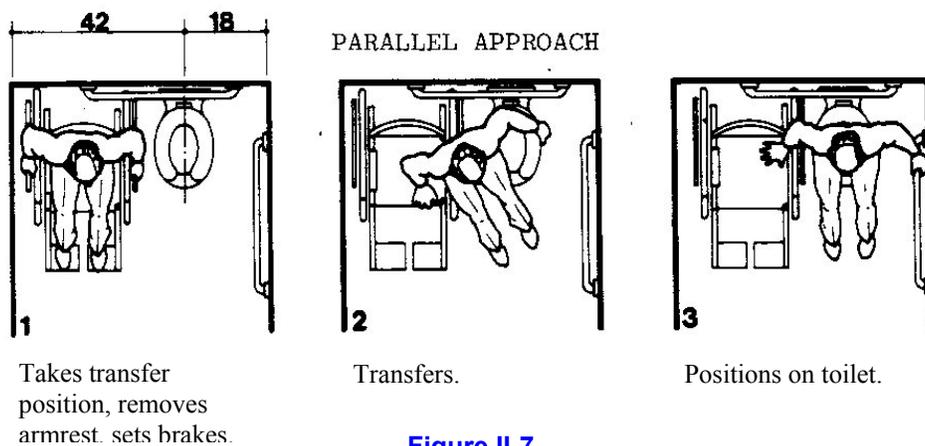


Figure II-7

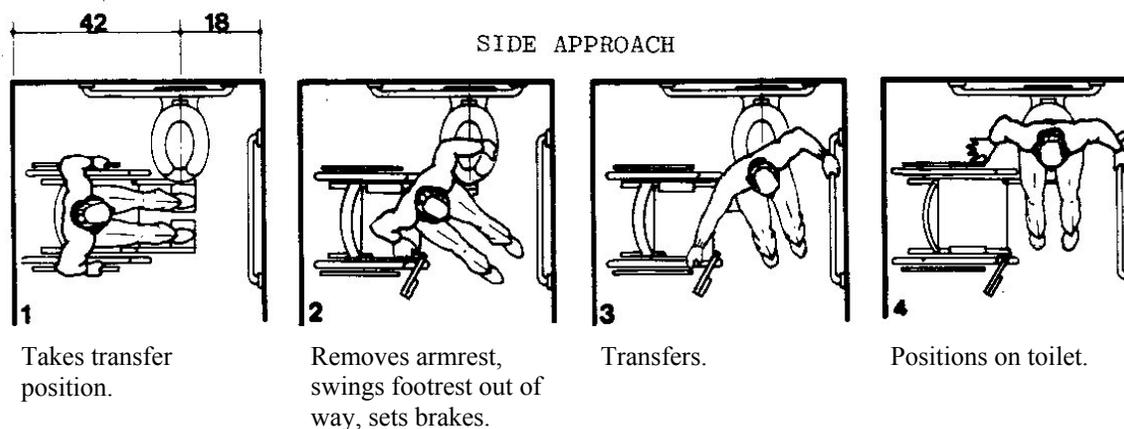


Figure II-8



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# Section III

TECHNICAL NOTES

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## SPINAL CORD INJURY CENTER

**Architectural Notes**

1. Applicable Codes: See Design and Construction Procedures, Topic 1, Codes and Standards.
2. All new construction and all renovated sleeping areas shall be fully protected by an automatic sprinkler system. Project-specific conditions may apply that require sprinklering of renovation in non-sleeping areas as well.
3. See Environmental Graphics Design Program Guide (Signage Manual).
4. The datasheets which accompany each guideplate list equipment in the following format:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		

**Table III-1**

The legend for the Equipment Tables is as follows:

**SYMBOL** – From VA Equipment Guide.

**A** - Quantity of equipment in Intensive Rehab/Sustaining Care Nursing Units.

**B** - Quantity of equipment in Long Term Nursing Units.

**C** - This column is Not Applicable unless indicated.

**D** - This column is Not Applicable unless indicated.

**AI** - Procurement/Installation responsibility.

**DESCRIPTION** – Detailed specification of equipment.

\*\*A new legend will be indicated on those Equipment Tables which follow a different legend from that listed above.

5. When producing architectural drawings for the VA, designers should follow Standard Detail 00000-1.DWG (PG-18-4) which outlines the accepted symbols for designating equipment with regard to accountability as to procurement and installation responsibilities.
6. Guideplates show fullsize ceiling-mounted televisions over each patient bed, however it is possible that a particular VAMC might opt for mini-TVs on wall mounted brackets.

7. As a reminder of the impact of structural elements on floor plans some guideplates show probable column locations where the potential for interference with furniture or equipment is high. In each case relocations of furniture are possible without negative impact.
8. Provide reinforcement behind automatic door push plates.

## Hardware Schedule

All locks and latch sets in the Spinal Cord Injury Center are to have Lever Handles similar to Schlage Model 03. Hardware sets correspond to VA Master Construction Specifications, Section 08710, Builder's Hardware, except as noted\*. Refer to Section 08721 for Automatic Door Operators.

### HW 5

Butts as required  
Door Pull  
Push Plate  
Closer C02051  
Roller Latch

### HW 7

Butts as required  
Latch F01 or F75

### HW 12

Butts as required  
Push/Pull plate J300  
Arm pull double base J400  
Closer C02051

### HW 13

Butts as required  
Lock F07 or F86

### HW 14

Butts as required  
Lock F02 or F76  
Provide Emergency Key  
Provide turn piece on  
both sides of lock

### HW 18

Butts as required  
Lock F02 or F76  
Provide Emergency Key

### HW 19

Butts as required  
Lock F13 or F82

### HW 23

Butts as required  
Lock F04 or F81

### HW 25

Butts as required  
Lock F05 or F84

### HW 43

Butts as required  
Lock F07 and F86  
Closer C02051

### HW 45

Butts as required  
Lock F04 or F81  
Closer C02011

### HW 53

Butts as required  
Lock F04 or F81  
Closer C02051  
Armor Plate

### HW 67

Butts as required  
Lock F17 or E16071  
Door Pull  
Push/Pull plate J300  
Closer C02051

### HW 69

Butts as required  
Lock F17 or E16071  
Door Pull  
Push/Pull plate J300  
Closer C02051  
Armor Plate

HW 82

Butts as required  
Lock F17 or E16071  
2 Flush bolts  
2 Door pulls  
2 Push/Pull plates J300  
2 Closers C02011  
2 Holders C22511  
2 Armor Plates

\*HW 100

2 Door Pulls J400  
for Automatic Door Operator  
see Spec. Section 08721  
(Horton 8700 series)

\*HW 101

2 Door Pulls J400  
for Automatic Door Operator  
see Spec. Section 08721

HW 106

Offset pivot set C17111  
Intermediate pivot C17311  
Lock E16071  
Door Pull

Push/Pull plate J300  
Closer LCN 4010  
Armor Plate  
Holder C22511

HW 156

Panic Bolt, (Van Duprin 3347 TP x 3347  
EO)  
Delete bottom latch bolt.  
for automatic door operator  
see Spec. Section 08721

HW 157

Butts as required (Hospital Tip)  
Lockset (Uican Lock Co.)  
1001 mechanical lock w/ 5 button  
combination and 3/4" (19mm) throw  
latchbolt  
Lock E16071 w/ 3/4" (19mm) throw  
deadbolt  
Mount deadlock at 60" (1500mm) to  
centerline of strike from finish floor on  
this hardware set only  
Closer C02011  
Flush Bolts: Ives 454 by 12" (300mm)  
for pairs of doors

### **Structural Notes:**

1. In order to provide a flexible design, allowing for certain range of occupancy changes in the future, a generalized live load of 60 psf applied over the entire SCI area should satisfy various combinations of occupancies listed in this Design Guide.
2. Where occupancy load requirements or concentrated equipment loads exceed the equivalent generalized live loads, the areas in question shall be designed to meet the specific conditions.
3. An allowance of 20 psf shall be made for partitions on all floor areas in addition to all other loads.
4. See VA Handbook H-18-8, "Seismic Design Requirements," to determine seismic design requirements.

### **Electrical Notes:**

1. Requirements for Essential Electrical System shall be as required in VA Electrical Design Manual.
2. Electrical symbols and lighting fixture types are as specified in VA Standard Details, PG-18-4.
3. While not shown in the SCI Design Guide, electrical and communications closets should be provided as per PG-18-3, Topic 8.

## **HVAC Notes:**

1. Location and type of diffusers, grilles, registers, thermostats, etc., shall be adjusted to suit variations in system design. Note that a ceiling radiant panel system would significantly affect the ceiling layout, including the lighting system.
2. Refer to the VA's, "HVAC Design Manual for Hospital Projects (PG-18-10)," for a more detailed description of design requirements.
3. Minimum air changes shall be as indicated or as determined by cooling loads, exhaust requirements, or judgment of design engineer.
4. Any variation from information shown herein is subject to VA approval.
5. Refer to K-1300 Series Hoods, Section 11420, Food Service Grease Extracting Ventilators (PG-18-6).

Note: Verified steam condensate can be returned properly.

6. See VA's HVAC Design Manual for Hospital Projects (PG-18-10) for perimeter radiation requirements.

## Abbreviations

A	Amps
A.F.F.	Above Finished Floor
AF	After Filter
AI	Acquisition and Installation
AR	As Required
CF	Construction Funds, Veterans Admin. Furnished, Installed by VA or Contractor
CC	Contractor Furnished and Installed, Construction Funds
CT	Corrective Therapy
CRS	Corrosion-Resisting Steel
ES	Equipment Symbol
FC	Foot Candle
FPS	Fire Protection System
MCS	Master Construction Specifications
NFPA	National Fire Protection Association
NSF	Net Square Feet
PF	Pre-Filter
PBPU	Patient Bedside Power Unit
RH	Relative Humidity
PT	Physical Therapy
OT	Occupational Therapy
SCIC	Spinal Cord Injury Center
SD	Standard Detail, see PG-18-4
SS	Stainless Steel
VC	Veterans Administration Furnished Contractor Installed, Medical Care Funds for Purchase, Construction Funds for Installation
VV	Veterans Administration Furnished and Installed, Medical Care Funds
W	Watts
V	Volts

Symbols:

	GROUND FAULT INTERRUPTOR
	JUNCTION BOX
	HUMIDISTAT
	THERMOSTAT
	NIGHT LIGHT
	NURSE CALL EMERGENCY STATION
	NURSE CALL EMERGENCY STATION
	NURSE CALL DUTY STATION
	SPEAKER
	INCANDESCENT LIGHT FIXTURE
	1 X 4 FLUORESCENT FIXTURE
	2' x 4' FLUORESCENT LIGHT FIXTURE
	HVAC SUPPLY
	HVAC RETURN
	TELEPHONE JACK

## Symbols:

	NURSE CALL STAFF STATION
	NURSE CALL DOME LIGHT
	FIRE EXTINGUISHER
	FIRE ALARM/MANUAL PULL STATION
	FIRE ALARM/AUDIO-VISUAL DEVICE
	HOSPITAL RADIO TUNER/ VOLUME CONTROL
	VACUUM OUTLET *
	TELEVISION CABLE OUTLET
	DUPLEX RECEPTICLE
	QUADRAPLEX RECEPTICLE
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	BUILDING SECTION
	FLOOR MOUNTED RECEPTACLE



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# Section IV

INTERIOR GUIDEPLATES

A decorative graphic on the left side of the page consisting of a grid of squares in various shades of gray, arranged in a pattern that tapers to the right.

## SPINAL CORD INJURY CENTER



## One-Bed Room 1

### Function:

This space is intended to provide private accommodations for the following:

- acutely ill patients
- back-up isolation
- female patients

This space should be close to the Nurse Station.

### Space Requirement:

200 NSF

### Architectural:

Finish Code:	1-A
Floor Finish:	Vinyl Composition Tile
Base:	Vinyl
Wall Finish:	Gypsum Wallboard*
Ceiling:	Acoustical Tile
Ceiling Height:	9'-0" (8' w/wall-mount TV)
Noise (STC Rating):	35
Slab Depression:	None
Special Construction:	-
Hardware:	7
Doors:	4'-0" x 7'-0" wood or metal, optional view glass panel.
Windows:	Required by code, operable, see PG-18-3, Topic 1, Codes and Standards.

\*Vinyl Wallcovering at Laboratory

### HVAC:

Temperature:	
Summer:	72@50%RH
Winter:	82@30%RH
Min. Air Changes/Hour:	None (see HVAC Note 3)
Min. % Outside Air:	15%
Pressure:	(0)
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	35
A/C Loads:	
Lights:	300w
Equipment:	450w
People:	130w, sensible 110w, latent

### Electrical:

Lighting Levels:	
Gen. Illum:	10fc
Task Illum:	70fc
Over Bed:	30fc
Emergency Power:	
Medical Gases	
Night Lights	
Vanity Light	
One Receptacle per PBP	
Nurse Call	

## One-Bed Room 1

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			VV	BED WITH MATTRESS, HOSPITAL PATIENT, ELECTRIC, HI-LO, 42"W X 94"L WITH 3" DIAMETER WHEELS AND TRAPEZE BAR
	1	1			CC	BUMPER GUARD, 2" DEEP, WALL-MOUNTED OFF THE FLOOR BEHIND HEAD OF BED
	1	1			VV	TABLE, OVER-BED, ADJUSTABLE HEIGHT, 33"W X 14"D, ON CASTERS
	1	1			VV	CABINET, BEDSIDE, PORTABLE, 20"W X 16"D X 34½"H
	1	1			VV	CHAIR, STACKING
	1	1			CC	WARDROBE LOCKER, PATIENT, WITH PUSH BUTTON SECURITY LOCK, 36"W X 25½"D X 78"H (TOP SHELF FOR PILLOW AND BLANKET STORAGE) WALL MOUNTED
	1	1			CC	PREFABRICATED BEDSIDE PATIENT UNIT: TYPE 1 PG-18-4, SD 16630-5.DWG, and 16685-1.DWG
	1	1			CC	OUTLET, MASTER TELEVISION ANTENNA (PG-18-1, MCS 16781)
	1	1			CC	BRACKET FOR TELEVISION RECEIVER, CEILING MOUNTED AT FOOT OF PATIENT BED (PG-18-1, MCS 16781)
	1	1			VV	RECEIVER, TELEVISION, FULL SIZE
	1	1			CC	RECEPTACLE, ELECTRICAL, CEILING MOUNTED, 120 VOLT, 20 AMP FOR CEILING MOUNTED TELEVISION SET (PG-18-1, MCS 16140)
	1	1			CC	LIGHT, BED (ON WALL OVER BED 7 FEET ABOVE FLOOR) (PG-18-1, MCS 16510)
	1	1			CC	LIGHT FLUORESCENT, FOR EXAMINATION ILLUMINATION, CEILING MOUNTED OVER EACH BED (PG-18-1, MCS 16510)
	1	1			CC	LIGHT, NIGHT, INCANDESCENT, CEILING MOUNTED AT ENTRANCE TO BED ROOM WITH SWITCH AT ENTRANCE TO BED ROOM (PG-18-1, MCS 16510)
TYPE S-4	1	1			CC	VANITY, WITH HIGH PRESSURE PLASTIC LAMINATE COUNTER TOP, MOLDED SELF EDGE AND BACKSPLASH (PG-18-1, MCS 12302)
P-413	1	1			CC	LAVATORY COUNTER MOUNTED, 19" DIAMETER WRIST BLADE HANDLES, GOOSENECK SPOUT (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			CC	MIRROR, 24"W X 36"L (PG-18-1, MCS 10800)
	1	1			CC	LIGHT, FLUORESCENT, VERTICAL BARS WALL MOUNTED AT EACH SIDE OF THE MIRROR (PG-18-1, MCS 16510)

**TABLE IV-1  
ONE-BED ROOM**

## One-Bed Room 1

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1	1			CC	RECEPTACLE, ELECTRICAL, 120 VOLT, 20 AMP WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1), MCS 16140
	1	1			CC	LIGHT, NIGHT, (PG-18-1, MCS 16510)
	1	1			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, (PG-18-1, MCS 16140)
	1	1			CC	CALL, NURSES PANEL, WITH CORRIDOR SIGNAL LIGHT (PG-18-1, MCS 16761)

**TABLE IV-1 (CONT'D)  
ONE-BED ROOM**



## Isolation Room 1-A

### Function:

This space accommodates those patients who require either positive isolation (those whose immune systems cannot tolerate normal exposures), or negative isolation (those whose communicable disease must be confined). This space should be under visible control from the Nurse Station.

### Space Requirement:

200 NSF, add 30 NSF if Nurse Servers are required.

### Architectural:

Finish Code: 1-A  
 Floor Finish: Vinyl Composition Tile  
 Base: Vinyl  
 Wall Finish: Gypsum Wallboard/Paint\*  
 Ceiling: Acoustical Tile  
 Ceiling Height: 9'-0" (8" w/wall mount TV)  
 Noise (STC Rating): 35  
 Slab Depression: None  
 Special Construction: -  
 Hardware: 7  
 Doors: 4'-0" x 7'-0"  
 Windows: Required by code, operable, see PG-18-3, Topic 1, Codes and Standards.  
 \*Vinyl Wall Covering at Laboratory

### HVAC:

Temperature:  
 Summer: 72@50%RH  
 Winter: 82@30%RH  
 Min. Air Changes/Hour: 12-15, 100% Exhaust  
 HEPA FILTERS  
 Min. % Outside Air: 15%  
 Pressure: (-) or (+), see SD 15902-13.DWG and 15902-14.DWG  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: 35  
 A/C Loads:  
 Lights: 450w  
 Equipment: 550w  
 People: 130w, sensible  
 110w, latent

NOTE: Provide separate positive and negative pressure isolation rooms as stated in HVAC Design Manual for Hospital Projects.

### Electrical:

Lighting Levels:  
 Gen. Illum: 10fc  
 Task Illum: 70fc  
 Over Bed: 30fc  
 Emergency Power:  
 Medical Gasses  
 Night Lights  
 Vanity Light  
 One Receptacle per PBP  
 Nurse Call

## Isolation Room 1-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			VV	BED WITH MATTRESS, HOSPITAL PATIENT, ELECTRIC, HI-LO, 42"W X 94"L WITH 3" DIA. WHEELS AND TRAPEZE BAR
	1	1			CC	BUMPER GUARD, 2" DEEP, WALL-MOUNTED OFF THE FLOOR BEHIND HEAD OF BED
	1	1			VV	TABLE, OVER-BED, ADJUSTABLE HEIGHT, 33"W X 14" D, ON CASTERS
	1	1			VV	CABINET, BEDSIDE, PORTABLE 20"W X 16"D X 34 ½"H
	1	1			VV	CHAIR STACKING
	1	1			CC	WARDROBE LOCKER, PATIENT, WITH PUSH BUTTON SECURITY LOCK, 36"W X 25 ½"D X 78"H (TOP SHELF FOR PILLOW AND BLANKET STORAGE) WALL MOUNTED
	1	1			CC	PREFABRICATED BEDSIDE PATIENT UNIT: TYPE 3, PG-18-4, SD 16630-12.DWG and 16685-4.DWG
	1	1			CC	OUTLET, MASTER TELEVISION ANTENNA (H-08-1, MCS 16781: H-08-3, CS 864-1)
	1	1			CC	BRACKET FOR TELEVISION RECEIVER, CEILING-MOUNTED AT FOOT OF PATIENT BED (PG-18-1, MCS 16781)
	1	1			VV	RECEIVER, TELEVISION FULL SIZE
	1	1			CC	RECEPTACLE, ELECTRICAL, CEILING MOUNTED 120 VOLT, 20 AMP FOR CEILING MOUNTED TELEVISION SET (PG-18-1, MCS 16140)
	1	1			CC	LIGHT, BED (ON WALL OVER BED 7 FEET ABOVE FLOOR) PG-18-1, MCS 16510)
	1	1			CC	LIGHT, FLUORESCENT, FOR EXAMINATION ILLUMINATION, CEILING MOUNTED OVER EACH BED (PG-18-1, MCS 16510)
	1	1			CC	LIGHT, NIGHT, INCANDESCENT, CEILING MOUNTED AT ENTRANCE TO BED ROOM WITH SWITCH AT ENTRANCE TO BED ROOM (PG-18-1, MCS 16510)
TYPE S-4	1	1			CC	VANITY, WITH HIGH PRESSURE PLASTIC LAMINATE COUNTER TOP, MOLDED SELF EDGE AND BACKSPLASH (PG-18-1, MCS 12302)
P-413	1	1			CC	LAVATORY COUNTER MOUNTED, 19" DIAMETER WRIST BLADE HANDLES, GOOSENECK SPOUT (PG-18-1 MCS 15450))
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			CC	MIRROR, 24"W X 36"L (PG-18-1, MCS 10800)

**TABLE IV-2  
ISOLATION ROOM**

## Isolation Room 1-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			CC	LIGHT, FLUORESCENT, VERTICAL BARS WALL MOUNTED AT EACH SIDE OF THE MIRROR (PG-18-1, MCS 16510)
	1	1			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1	1			CC	RECEPTACLE, ELECTRICAL, 120 VOLT, 20 AMP WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1, MCS 16140)
	1	1			CC	LIGHT, NIGHT, (PG-18-1, MCS 16510)
	1	1			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			CC	CALL, NURSES PANEL, WITH CORRIDOR SIGNAL LIGHT (PG-18-1, MCS 16761)
						OBSERVATION WINDOW ON CORRIDOR WALL, FIXED FRAME WITH INTEGRAL BLIND CONTROLLED FROM INSIDE THE ISOLATION ROOM.

**TABLE IV-2 (CONT'D)  
ISOLATION ROOM**

## Anteroom 1-A

### Function:

This space is intended to provide an airlock between the Isolation Room and the Nursing Unit Corridor, and to accommodate proper isolation technique.

### Space Requirement:

50 NSF; add 30 NSF if nurse-servers are required.

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint\*  
Ceiling: Acoustical Tile  
Ceiling Height: 8'-0"  
Noise (STC Rating): 35  
Slab Depression: None  
Special Construction: -  
Hardware: 12, both doors  
Doors: 3'-6" x & 7'-0" gasketed wood or metal, optional view glass panel at corridor.  
Windows: Observation window into Isolation Room, SD 08110-4.DWG.  
\*Vinyl Wallcovering at Laboratory

### HVAC:

Temperature:  
Summer: 72@50%RH  
Winter: 82@30%RH  
Min. Air Changes/Hour: 6, 100% Exhaust  
HEPA Filters  
Min. % Outside Air: 15%  
Pressure: (+) or (-), see SD 15902-13.DWG and 15902-14.DWG  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 35  
A/C Loads:  
Lights: 75w  
Equipment: 150w  
People: 65w, sensible  
55w, latent

### Electrical:

Lighting Levels:  
Gen. Illum: 30fc  
Emergency Power:  
Task Illumination  
One Receptacle  
Ventilation

## Anteroom 1-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
P-418	1	1			CC	LAVATORY, STRAIGHT BACK, ELECTRONIC TEMPERED FAUCET, 20" X 18" AND 3 ½" APRON (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			CC	CABINET, UNDERCOUNTER WITH TWO SLIDING METAL DOORS AND TWO ADJUSTABLE METAL SHELVES 48" W X 22" D X 36" H, COUNTER TOP AND SPLASHBACK TO BE STAINLESS STEEL (PG-18-1, MCS 12301)
	1	1			CC	CABINET WITH SLOPING TOP, WALL HUNG ABOVE BASE CABINET, TWO SLIDING METAL DOORS WITH LOCK, TWO ADJUSTABLE METAL SHELVES, 48" W X 16"D X 30"H (PG-18-1, MCS 12301)
	1	1			CC	MIRROR, 16" X 20", WITH INTEGRAL SHELF, OVER LAVATORY (PG-18-1, MCS 10800)
	1	1			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1	1			CC	HOOK, CLOTHES (PG-18-1, MCS 10800)
	1	1			VV	HAMPER, SOILED LINEN, WITH HINGED SHELF CLOSING TOP
	1	1			CC	WINDOW, OBSERVATION (PG-18-1, MCS 05500 & 08110; PG-18-4, SD 08110-4.DWG)
	1	1			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			CC	WINDOW, OBSERVATION (SEE ARCHITECTURE DRAWING FOR EXACT LOCATION) (PG-18-1, MCS 05500 & 08100; PG-18-4, SD 08110-4.DWG)

**TABLE IV-3  
ANTEROOM**

## Two-Bed Room 2

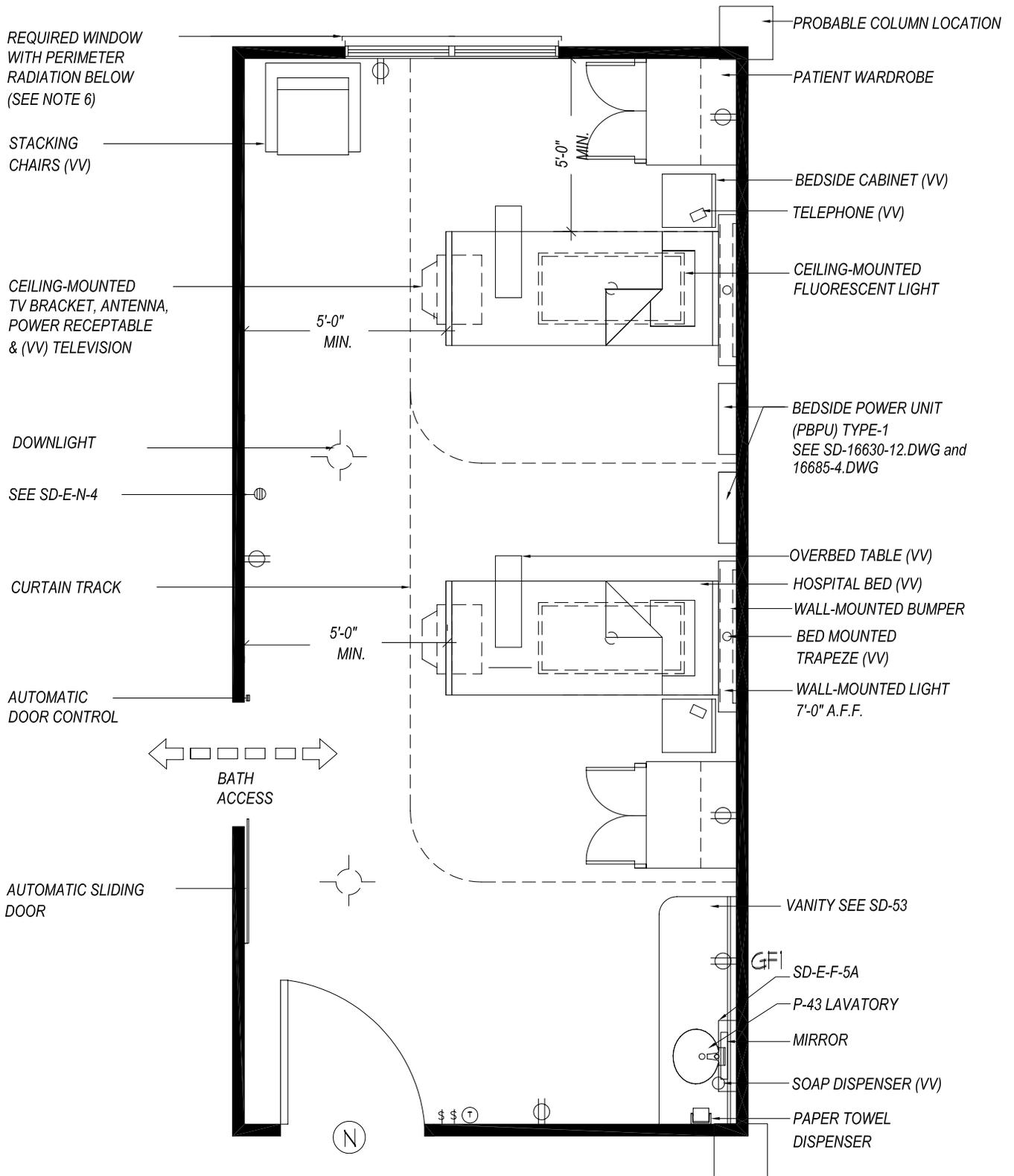
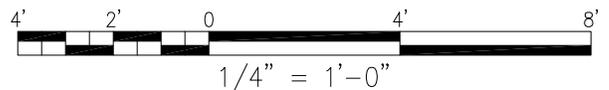


Figure IV-3



## Two-Bed Room 2

### Function:

This space is intended primarily to accommodate those patients who do not require acute care, and to provide a more private atmosphere for those capable of independent care. It also provides flexibility in room assignments allowing the pairing of females or patients with the same infection.

### Space Requirement:

415 NSF

### Architectural:

Finish Code: 1A  
 Floor Finish: Vinyl Composition Tile  
 Base: Vinyl  
 Wall Finish: Gypsum Wallboard\*  
 Ceiling: Acoustical Tile  
 Ceiling Height: 9'-0" (8' w/wall-mount TV)  
 Noise (STC Rating): 35  
 Slab Depression: None  
 Special Construction: -  
 Hardware: 7  
 Doors: 4'-0" x 7'-0" wood or metal, optional view glass panel.  
 Windows: Required by code, operable, see PG-18-3, Topic 1, Codes and Standards.  
 \*Vinyl Wallcovering at Laboratory

### HVAC:

Temperature:  
 Summer: 72@50%RH  
 Winter: 82@30%RH  
 Min. Air Changes/Hour: None (see HVAC Note 3)  
 Min. % Outside Air: 15%  
 Pressure: (0)  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: 35  
 A/C Loads:  
 Lights: 900w  
 Equipment: 1050w  
 People: 260w, sensible  
 220w, latent

### Electrical:

Lighting Levels:  
 Gen. Illum: 10fc  
 Task Illum: 70fc  
 Over Bed: 30fc  
 Emergency Power:  
 Medical Gasses  
 Night Lights  
 Vanity Light  
 One Receptacle per PBPU  
 Nurse Call

## Two-Bed Room 2

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	2	2			VV	CURTAIN, CUBICLE, 108" W X 90L (EACH SECTION)
	2	2			CC	TRACK, CURTAIN, CUBICLE, CEILING TYPE, SURFACE MOUNTED (PG-18-1, MCS 10152)
	2	2			VV	BED WITH MATTRESS, HOSPITAL PATIENT, ELECTRIC, HI-LO, 42" W X 94"L WITH 3" DIA. WHEELS AND TRAPEZE BAR
	2	2			CC	BUMPER GUARD, 2" DEEP, WALL-MOUNTED OFF THE FLOOR BEHIND HEAD OF BED
	2	2			VV	TABLE, OVER-BED. ADJUSTABLE HEIGHT, 33"W X 14" D, ON CASTERS
	2	2			VV	CABINET, BEDSIDE, PORTABLE, 20"W X 16"D X 34 ½" H
	2	2			VV	CHAIR, STACKING
	2	2			CC	WARDROBE LOCKER, PATIENT, WITH PUSH BUTTON SECURITY LOCK, 36" W X 25 ½" D X 78" H (TOP SHELF FOR PILLOW AND BLANKET STORAGE) WALL MOUNTED
	2	1			CC	PREFABRICATED BEDSIDE PATIENT UNIT: TYPE 1, PG-18-4, SD 16630-5.DWG AND 16685-1.DWG
	2	2			CC	OUTLET, MASTER TELEVISION ANTENNA (PG-18-1, MCS 16781)
	2	2			CC	BRACKET FOR TELEVISION RECEIVER, CEILING-MOUNTED AT FOOT OF PATIENT BED (PG-18-1, MCS 16781)
	2	2			VV	RECEIVER, TELEVISION, FULL SIZE
	2	2			CC	RECEPTACLE, ELECTRICAL, CEILING MOUNTED, 120 VOLT, 20 AMP FOR CEILING MOUNTED TELEVISION SET (PG-18-1, MCS 16140)
	2	2			CC	LIGHT, BED (ON WALL OVER BED 7 FEET ABOVE FLOOR) (PG-18-1, MCS 16510)
	2	2			CC	LIGHT, FLUORESCENT, FOR EXAMINATION ILLUMINATION, CEILING MOUNTED OVER EACH BED (PG-18-1, MCS 16510)
	1	1			CC	LIGHT, NIGHT, INCANDESCENT, CEILING MOUNTED AT ENTRANCE TO BED ROOM WITH SWITCH AT ENTRANCE TO BED ROOM (PG-18-1, MCS 16510)
TYPE S-4	1	1			CC	VANITY, WITH HIGH PRESSURE PLASTIC LAMINATE COUNTER TOP, MOLDED SELF EDGE AND BACKSPLASH (PG-18-1, MCS 12302)

**TABLE IV-4  
TWO-BED ROOM**

## Two-Bed Room 2

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
P-413	1	1			CC	LAVATORY COUNTER MOUNTED, 19" DIAMETER WRIST BLADE HANDLES, GOOSENECK SPOUT (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			CC	MIRROR, 24"W X 36" L (PG-18-1, MCS 10800)
	1	1			CC	LIGHT, FLUORESCENT, VERTICAL BARS WALL MOUNTED AT EACH SIDE OF THE MIRROR (PG-18-1, MCS 16510)
	1	1			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1	1			CC	RECEPTACLE, ELECTRICAL 120 VOLT, 20 AMP WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1, MCS 16140)
	1	1			CC	LIGHT, NIGHT (PG-18-1, MCS 16510)
	AR	AR			CC	RECEPTACLE, ELECTRICAL DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			CC	CALL, NURSES PANEL, WITH CORRIDOR SIGNAL LIGHT (PG-18-1, MCS 16761)

**TABLE IV-4 (CONT'D)  
TWO-BED ROOM**

### Private Litter Bath 3

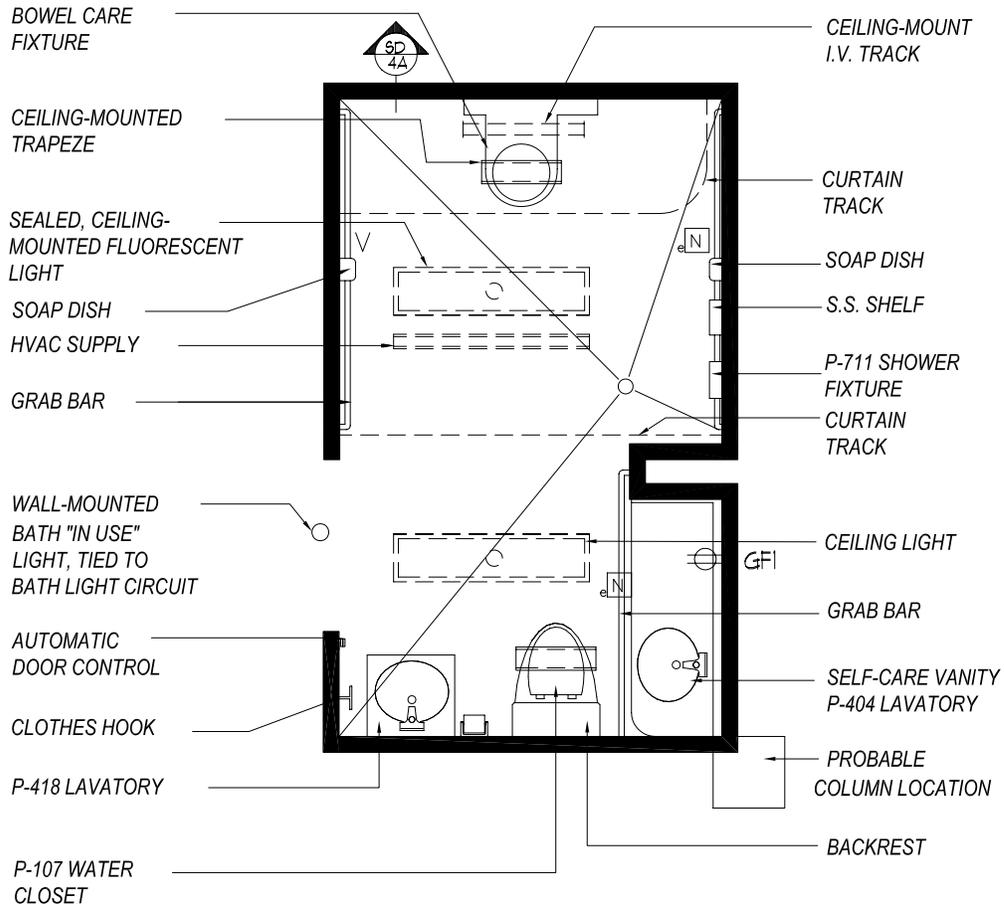
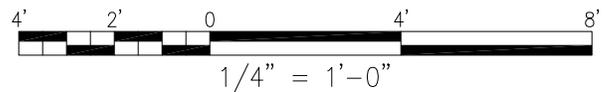


Figure IV-4



## Private Litter Bath 3

### Function:

This space accommodates bathing and bowel/bladder care for SCI Inpatients. This may be independent or dependent care; see VA Handbook 7610, Chapter 104 for more details. This space must be accessible directly from the patient's bedroom.

### Space Requirement:

105 NSF

### Architectural:

Finish Code: 2-B  
 Floor Finish: Ceramic Tile (slip-resistant)  
 Base: Ceramic Tile  
 Wall Finish: GWB/4'-0" ceramic wainscot\*  
 Ceiling: Acoustic Tile (special-faced)  
 Ceiling Height: 8'-0" Plaster in shower.  
 Noise (STC Rating): 35  
 Slab Depression: 4" for ceramic tile, sloped to drain, see SD 10800-1.DWG, 10801-2.DWG and 10801-3.DWG  
 Special Construction: -  
 Hardware: 100  
 Doors: 3'-6" x 7'-0" wood or metal, automatic slider, louver as required.  
 Windows: None  
 \*Full ceramic tile in shower

### HVAC:

Temperature:  
 Summer: 78  
 Winter: 82  
 Min. Air Changes/Hour: 15  
 Min. % Outside Air: -  
 Pressure: Negative/100% Exhaust  
 % Filtration: -  
 Noise Criteria: 45  
 A/C Loads:  
 Lights: -  
 Equipment: -  
 People: -

### Electrical:

Lighting Levels:  
 Gen. Illum: 30fc  
 Emergency Power:  
 One Ceiling Light  
 Nurse Call

## Private Litter Bath 3

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
P-107	1	1			CC	WATER CLOSET, WALL HUNG (PG-18-1, MCS 15450)
	1	1			CC	BACKREST, TOILET, ADJUSTABLE (PG-18-1, MCS 05500)
	1	1			CC	BAR, GRAB FOR WATER CLOSET (PG-18-1, MCS 10800, PG-18-4, SD 10162-1.DWG)
	1	1			CC	TRAPEZE, OVERHEAD (PG-18-1, MCS 05500)
P-404	1	1			CC	LAVATORY, INTEGRAL WITH COUNTER TOP, WITH ELECTRONIC SENSOR CONTROL FAUCET, SPINAL CORD SELF CARE (PG-18-1, MCS 15450)
P-418	1	1			CC	LAVATORY, ELECTRONIC SENSOR CONTROL FAUCET WITH RIGID GOOSENECK SPOUT, 20" X 18" & 3 1/2" APRON (PG-18-1, MCS 15450)
	1	1			CC	NURSE CALL-INSTALL AN EMERGENCY STATION WITH A PRESSURE ACTIVATED TOUCH PAD, PLASTIC VINYL COATED WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (H-08-1, MCS 16761; H-08-4, SD 10162-1.DWG)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED
	1	1			VV	RECEPTACLE, WASTE 13" DIAMETER NOTE: THE FOLLOWING LIGHT FIXTURE PROVIDES ILLUMINATION FOR THE SHOWER AREA
	1	1			CC	LIGHT, FLUORESCENT, RECESSED IN CEILING, WITH SWITCH AT ENTRANCE (PG-18-1, MCS 16510)
	1	1			CC	ROD, CURTAIN TUB OR SHOWER (PG-18-1, MCS 10800)
	1	1			VV	CURTAIN, SHOWER
	1	1			CC	SHOWER BATH FIXTURE, DETACHABLE, WALL MOUNTED, CONCEALED SUPPLIES, PRESSURE BALANCING OR THERMOSTATIC MIXING VALVE AND THERMOMETER (PG-18-1, MCS 15450; PG-18-4, SD 10800-1.DWG, 10801-2.DWG and 10801-3.DWG)
	1	1			CC	HOOK, CLOTHES (PG-18-1, MCS 10800)
T-45	1	1			CC	SHELF, CORROSION RESISTING STEEL, 12" W X 5" D (PG-18-1, MCS 10360; PG-18-4, SD 10801-1.DWG)
	1	1			CC	DISH, SOAP, SURFACE MOUNTED (PG-18-1, MCS 10800)
	AR	AR			CC	BAR, GRAB (PG-18-1, MCS 10800; PG-18-4, SD 10800-1.DWG)

**TABLE IV-5  
PRIVATE LITTER BATH**

### Private Litter Bath 3

**Equipment Table:**

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			CC	DRAIN, FLOOR (PLUMBING DESIGN CRITERIA AND INSTRUCTIONS)
	1	1			CF	SINK, ENEMA, WALL MOUNTED
	1	1			CC	TRAPEZE (PG-18-1, MCS 05500) NOTE: TRAPEZE MOUNTED ABOVE ENEMA SINK
	1	1			CC	TRACK, INTRAVENOUS BOTTLE HOOKS, CEILING MOUNTED (PG-18-1, MCS 10152; H-08-4)
	1	1			CC	ALERT LIGHT, MOUNTED IN BEDROOM ABOVE BATHROOM DOOR, WIRED TO BATHROOM LIGHT SWITCHES (PG-18-1, MCS 16510)
	1	1			CC	NURSE CALL-EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
	1	1			CC	TRACK CURTAIN CUBICLE, CEILING TYPE, SURFACE MOUNTED (PG-18-1, MCS 10152) NOTE: TO ENCLOSE ENEMA SINK
	1	1			VV	CURTAIN, SHOWER
						NOTE: THE FOLLOWING LIGHT FIXTURE PROVIDES ILLUMINATION FOR THE WATER CLOSET/LAVATORY AREA
	1	1			CC	LIGHT, FLUORESCENT, OVERHEAD, WITH SWITCH AT ENTRANCE (PG-18-1, MCS 16510)

**TABLE IV-5 (CONT'D)  
PRIVATE LITTER BATH**

Four-Bed Room 4

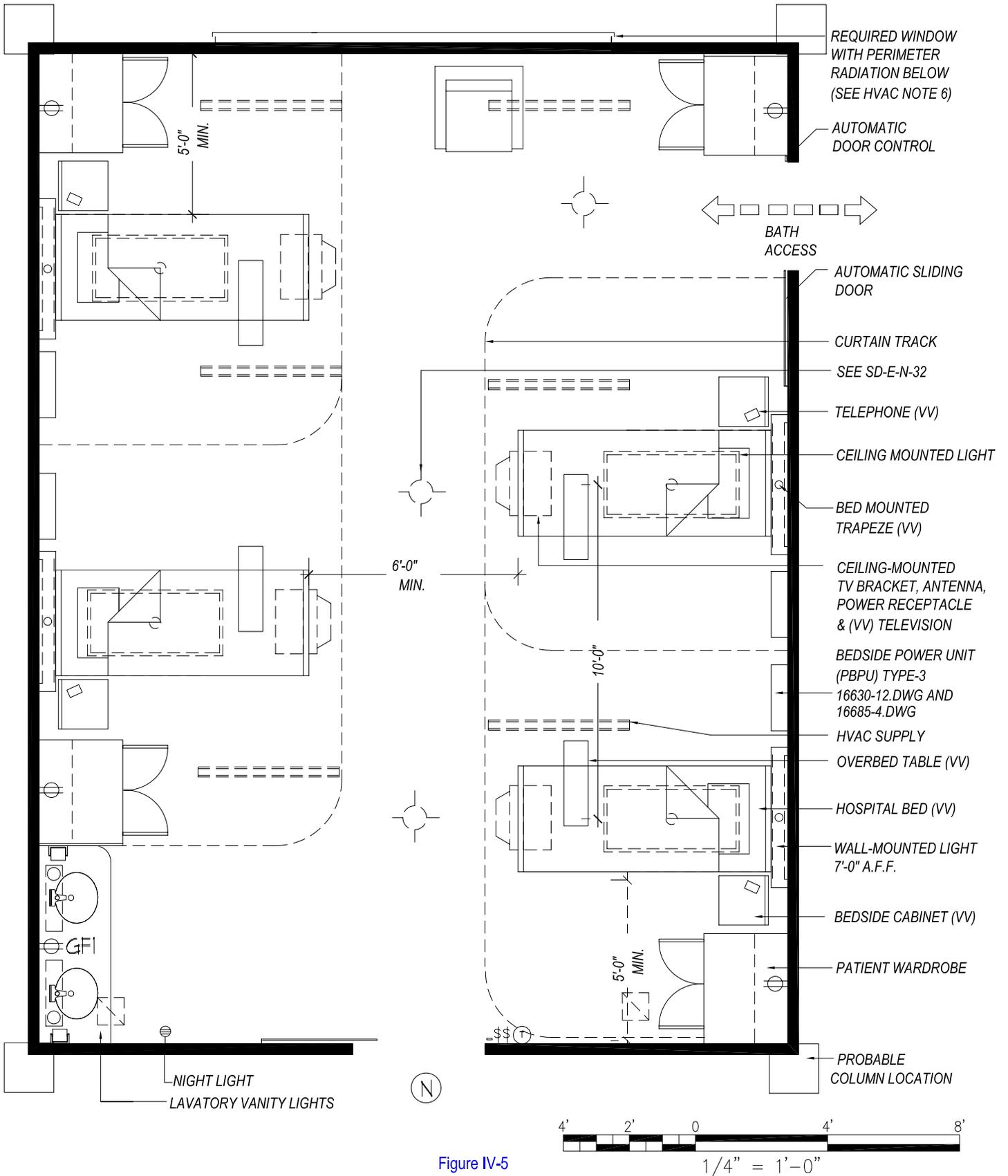


Figure IV-5

## Four-Bed Room 4

### Function:

This space is intended to primarily accommodate those patients who are less capable of independent care, and to provide a more supportive atmosphere for those undergoing the initial phase of their rehabilitation.

See following page for data on 4-Bed Acute/Respiratory Room.

### Space Requirement:

670 NSF

### Architectural:

Finish Code: 1-A  
 Floor Finish: Vinyl Composition Tile  
 Base: Vinyl  
 Wall Finish: Gypsum Wallboard/Paint\*  
 Ceiling: Acoustical Tile  
 Ceiling Height: 9'-0" (8' w/wall mount TV)  
 Noise (STC Rating): 35  
 Slab Depression: None  
 Special Construction: -  
 Hardware: 7  
 Doors: 4'-0" x 7'-0" wood or metal, optional view glass panel.  
 Windows: Required by code, operable, see PG-18-3, Topic 1, Codes and Standards.  
 \*Vinyl Wallcovering at Laboratory

### HVAC:

Temperature:  
 Summer: 72@50%RH  
 Winter: 82@30%RH  
 Min. Air Changes/Hour: None (see HVAC Note 3)  
 Min. % Outside Air: 15%  
 Pressure: (0)  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: 35  
 A/C Loads:  
 Lights: 1320w  
 Equipment: 1860w  
 People: 390w, sensible  
 330w, latent

### Electrical:

Lighting Levels:  
 Gen. Illum: 10fc  
 Task Illum: 70fc  
 Over Bed: 30fc  
 Emergency Power:  
 Medical Gasses  
 Night Lights  
 Vanity Light  
 One Receptacle per PBPU  
 Nurse Call

## Four-Bed Room 4

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	4	4			VV	CURTAIN, CUBICLE, 108"W X 90"L (EACH SECTION)
	4	4			CC	TRACK, CURTAIN, CUBICLE, CEILING TYPE, SURFACE MOUNTED (PG-18-1, MCS 10152)
	4	4			VV	BED WITH MATTRESS, HOSPITAL PATIENT, ELECTRIC, HI-LO, 42"W X 94"L WITH 3" DIA. WHEELS AND TRAPEZE BAR
	4	4			CC	BUMPER GUARD, 2" DEEP, WALL-MOUNTED OFF THE FLOOR BEHIND HEAD OF BED
	4	4			VV	TABLE, OVER-BED, ADJUSTABLE HEIGHT, 33"W X 14"D, ON CASTERS
	4	4			VV	CABINET, BEDSIDE, PORTABLE, 20" W X 16"D X 34 ½"H
	4	4			VV	CHAIR, STACKING
	4	4			CC	WARDROBE LOCKER, PATIENT, WITH PUSH BUTTON SECURITY LOCK, 36"W X 25 ½"D X 78"H (TOP SHELF FOR PILLOW AND BLANKET STORAGE) WALL MOUNTED
	4	2			CC	PREFABRICATED BEDSIDE PATIENT UNIT: TYPE 3, PG-18-4, SD 16630-5.DWG and 16685-1.DWG
	4	4			CC	OUTLET, MASTER TELEVISION ANTENNA (PG-18-1, MCS 16781)
	4	4			CC	BRACKET FOR TELEVISION RECEIVER, CEILING-MOUNTED AT FOOT OF PATIENT BED (PG-18-1, MCS 16781)
	4	4			VV	RECEIVER, TELEVISION, FULL SIZE
	4	4			CC	RECEPTACLE, ELECTRICAL, CEILING MOUNTED, 120 VOLT, 20 AMP FOR CEILING MOUNTED TELEVISION SET (PG-18-1, MCS 16140)
	4	4			CC	LIGHT, BED (ON WALL OVER BED 7 FEET ABOVE FLOOR) (PG-18-1, MCS 16510)
	4	4			CC	LIGHT, FLUORESCENT, FOR EXAMINATION ILLUMINATION CEILING MOUNTED OVER EACH BED (PG-18-1, MCS 16510)
	1	1			CC	LIGHT, NIGHT, INCANDESCENT, CEILING MOUNTED AT ENTRANCE TO BED ROOM WITH SWITCH AT ENTRANCE TO BED ROOM (PG-18-1, MCS 16510)

**TABLE IV-6  
FOUR-BED ROOM**

## Four-Bed Room 4

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
TYPE S-4	1	1			CC	VANITY, WITH HIGH PRESSURE PLASTIC LAMINATE COUNTER TOP, MOLDED SELF EDGE AND BACKSPLASH (PG-18-1, MCS 12302; H-08-4, SD 53)
P-413	2	2			CC	LAVATORY COUNTER MOUNTED, 19" DIAMETER WRIST BLADE HANDLES, GOOSENECK SPOUT (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, SOAP, LIQUID WALL MOUNTED
	1	1			CC	MIRROR, 24"W X 36"L (PG-18-1, MCS 10800; PG-18-4, SD 10800-7.DWG)
	1	1			CC	LIGHT, FLUORESCENT, VERTICAL BARS WALL MOUNTED AT EACH SIDE OF THE MIRROR (PG-18-1, MCS 16510)
	2	2			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1	1			CC	RECEPTACLE, ELECTRICAL, 120 VOLT, 20 AMP WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1, MCS 16140)
	1	1			CC	LIGHT, NIGHT (PG-18-1, MCS 16510)
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			CC	CALL, NURSES PANEL, WITH CORRIDOR SIGNAL LIGHT (PG-18-1, MCS 16761)

**TABLE IV-6 (CONT'D)  
FOUR-BED ROOM**

## Acute/Respiratory Four-Bed Room 4-A

### Function:

This space is intended to accommodate those patients who require a level of care similar to that provided on an intensive care unit. This space must be under direct visual control from the Nurse Station.

### Space Requirement:

670 NSF

### Architectural:

Finish Code: 1-A  
 Floor Finish: Vinyl Composition Tile  
 Base: Vinyl  
 Wall Finish: Gypsum Wallboard/Paint\*  
 Ceiling: Acoustical Tile  
 Ceiling Height: 9'-0" (8' w/wall-mount TV)  
 Noise (STC Rating): 35  
 Slab Depression: None  
 Special Construction: -  
 Hardware: 7  
 Doors: 4'-0" x 7'-0" wood or metal  
 Windows: Required by code, operable, see PG-18-3, Topic 1, Codes and Standards.  
 \*Vinyl Wallcovering at Laboratory

### HVAC:

Temperature:  
 Summer: 72@50%RH  
 Winter: 82@30%RH  
 Min. Air Changes/Hour: None (see HVAC Note 3)  
 Min. % Outside Air: 15%  
 Pressure: (0)  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: 35  
 A/C Loads:  
 Lights: 1320w  
 Equipment: 1860w  
 People: 390w, sensible  
 330w, latent

### Electrical:

Lighting Levels:  
 Gen. Illum: 10fc  
 Task Illum: 70fc  
 Over Bed: 30fc  
 Emergency Power:  
 Full PBPU  
 Night Lights  
 Vanity Light  
 Nurse Call

## Acute/Respiratory Four-Bed Room 4-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	4	4			VV	CURTAIN, CUBICLE, 108" W X 90"L (EACH SECTION)
	4	4			CC	TRACK, CURTAIN, CUBICLE, CEILING TYPE, SURFACE MOUNTED (PG-18-1, MCS 10152)
	4	4			VV	BED WITH MATTRESS, HOSPITAL PATIENT, ELECTRIC, HI-LO, 42"W X 94"L WITH 3" DIA. WHEELS AND TRAPEZE BAR
	4	4			CC	BUMPER GUARD, 2" DEEP, WALL MOUNTED OFF THE FLOOR BEHIND HEAD OF BED
	4	4			VV	TABLE, OVER-BED, ADJUSTABLE HEIGHT, 33"W X 14"D, ON CASTERS
	4	4			VV	CABINET, BEDSIDE, PORTABLE, 20" W X 16"D X 34 ½" H
	4	4			VV	CHAIR, STACKING
	4	4			CC	WARDROBE LOCKER, PATIENT, WITH PUSH BUTTON SECURITY LOCK, 36"W X 25 1/2 "D X 78"H (TOP SHELF FOR PILLOW AND BLANKET STORAGE) WALL MOUNTED
	4	4			CC	PREFABRICATED BEDSIDE PATIENT UNIT: TYPE 3, PG-18-4, SD 16630-12.DWG and 16685-4.DWG
	4	4			CC	OUTLET, MASTER TELEVISION ANTENNA (PG-18-1, MCS 16781)
	4	4			CC	BRACKET FOR TELEVISION RECEIVER, CEILING-MOUNTED AT FOOT OF PATIENT BED (PG-18-1, MCS 16781)
	4	4			VV	RECEIVER, TELEVISION, FULL SIZE
	4	4			CC	RECEPTACLE, ELECTRICAL, CEILING MOUNTED, 120 VOLT, 20 AMP FOR CEILING MOUNTED TELEVISION SET (PG-18-1, MCS 16140)
	4	4			CC	LIGHT, BED (ON WALL OVER BED 7 FEET ABOVE FLOOR) (PG-18-1, MCS 16510)
	4	4			CC	LIGHT, FLUORESCENT, FOR EXAMINATION ILLUMINATION, CEILING MOUNTED OVER EACH BED (PG-18-1, MCS 16510)
	1	1			CC	LIGHT, NIGHT, INCANDESCENT, CEILING MOUNTED AT ENTRANCE TO BED ROOM WITH SWITCH AT ENTRANCE TO BED ROOM (PG-18-1, MCS 16510)
TYPE S-4	1	1			CC	VANITY, WITH HIGH PRESSURE PLASTIC LAMINATE COUNTER TOP, MOLDED SELF EDGE AND BACKSPLASH (PG-18-1, MCS 12302)
P-413	2	2			CC	LAVATORY COUNTER MOUNTED, 19" DIAMETER WRIST BLADE HANDLES, GOOSENECK SPOUT (PG-18-1, MCS 15450).
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED

**TABLE IV-7  
ACUTE/RESPIRATORY FOUR-BED ROOM**

## Acute/Respiratory Four-Bed Room 4-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			CC	MIRROR, 24"W X 36"L (PG-18-1, MCS 10800)
	1	1			CC	LIGHT, FLUORESCENT, VERTICAL BARS WALL MOUNTED AT EACH SIDE OF THE MIRROR (PG-18-1, MCS 16510)
	2	2			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1	1			CC	RECEPTACLE, ELECTRICAL, 120 VOLT, 20 AMP WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1, MCS 16140)
	1	1			CC	LIGHT, NIGHT (PG-18-1, MCS 16510)
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			CC	CALL, NURSES PANEL, WITH CORRIDOR SIGNAL LIGHT (PG-18-1, MCS 16761)
	1	1			CC	WINDOW OBSERVATION (PG-18-1, MCS 05500 & 08110; H-08-4, SD 08110-4.DWG)

**TABLE IV-7 (CONT'D)  
ACUTE/RESPIRATORY FOUR-BED ROOM**

## Nurse Station/Ward Clerk/Charting 5

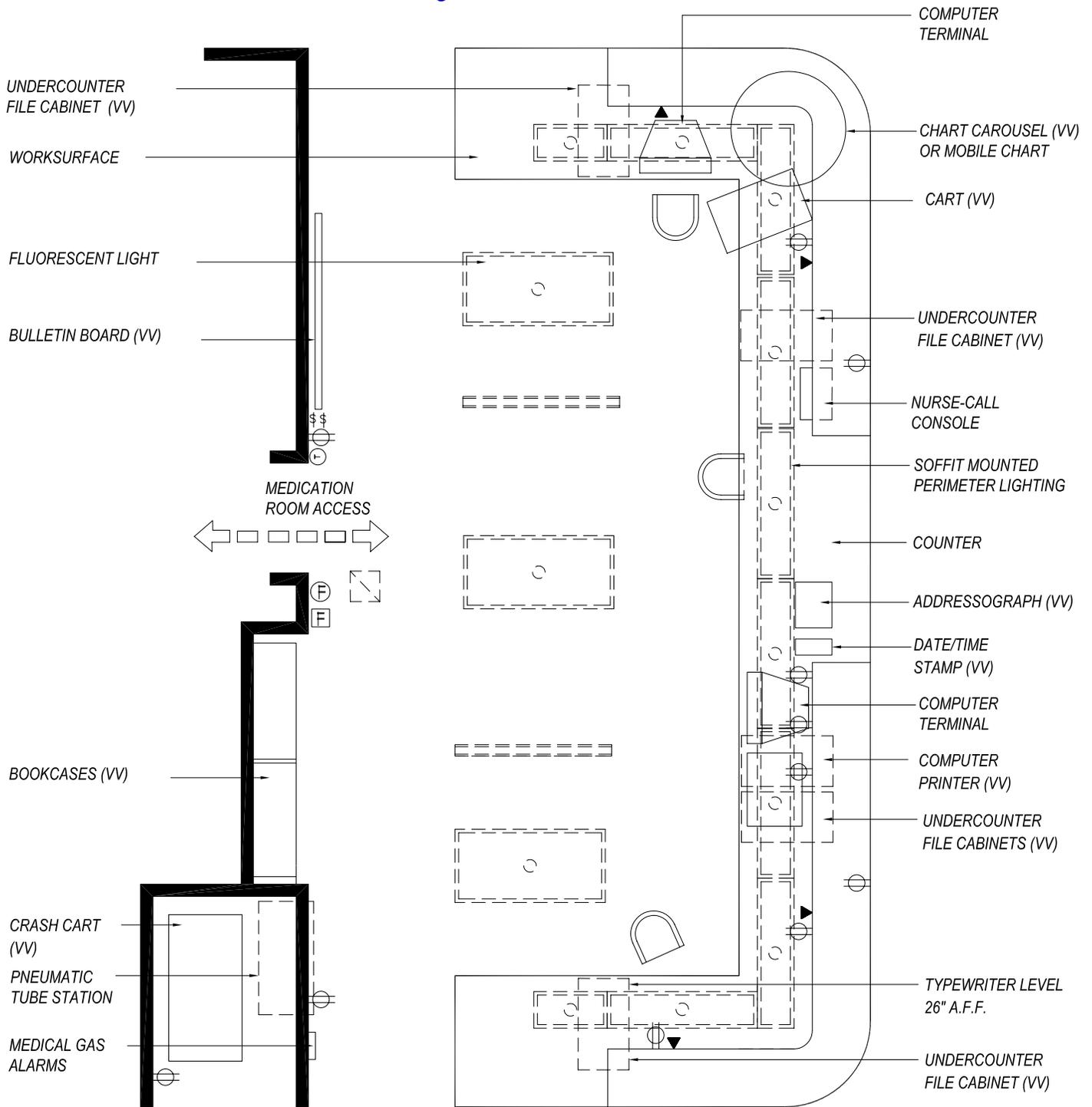
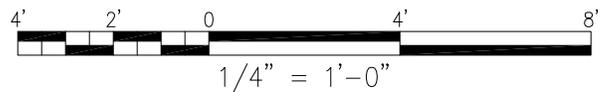


Figure IV-6

Room size is variable, see project-specific program for actual size.



## Nurse Station/Ward Clerk/Charting 5

### Function:

This space is intended to serve as the working and control center for nursing staff, physicians and MAS clerical support. Its location must favor the more acutely ill patient.

### Space Requirement:

Communication Center: 225 NSF (+2.5 NSF for each bed over 30)

Ward Clerk: 175 NSF; 240 NSF Sustaining Care

Dictation/Nursing Report Room: 120 NSF Long Term Care

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Veneer Plaster/Vinyl Fabricated  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-0"  
Noise (STC Rating): N/A  
Slab Depression: None  
Special Construction: -  
Hardware: None  
Doors: None  
Windows: None

### HVAC:

Temperature:  
Summer: 72@50%RH  
Winter: 82@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: (0)  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
Lights: 1050w  
Equipment: 900w  
People: 230w, sensible  
230w, latent

### Electrical:

Lighting Levels:  
Gen. Illum (day): 50fc  
Gen. Illum (night): 30fc  
Task Illum: 70fc  
Emergency Power:  
Task Illumination  
One Receptacle  
Nurse Call System  
Medical Gas Alarms

## Nurse Station/Ward Clerk/Charting 5

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			CC	COUNTER TOP, HIGH PRESSURE LAMINATE, 30"H WITH 30" DESK BUILT IN WITH TYPEWRITER WELL, INDIVIDUAL SINGLE DRAWERS BELOW FULL LENGTH OF COUNTER AS REQUIRED, SIZE ACCORDING TO INDIVIDUAL PROJECT DESIGN (PG-18-1, MCS 12302; PG-18-4, 06200-1.DWG)  NOTE: THE COUNTER TOP ABOVE SHOULD BE PROVIDED WITH ONE WHEELCHAIR CUT-OUT SECTION MINIMUM 36"
	1	1			CC	NURSE CALL, CONSOLE, ANNUNCIATOR, AUDIO VISUAL DESK TYPE (PG-18-1, MCS 16761)
	1	1			VV	CLOCK, BATTERY OPERATED
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			VV	BULLETIN BOARD, 60" W X 36"H
	1	1			VV	HOLDER, CLINICAL CHART, CIRCULAR, REVOLVING, APPROX. 31" DIAMETER
						- OR -
	1	1			VV	CART, CLINICAL CHART HOLDER, APPROX. 31"W X 17"D X 49"H
	1	1			CC	FIRE ALARM STATION, RED SIGNAL LIGHT AND CHIME , WALL MOUNTED (PG-18-1, MCS 16721)
	1	1			CC	ALARM, AIR, OXYGEN AND VACUUM, FAILURE, WALL MOUNTED (PG-18-1, MCS 15550)
	1	1			CC	STATION, PNEUMATIC TUBE (DETERMINED ON INDIVIDUAL BASIS) (PG-18-1, MCS 14581)
	AR	AR			VV	CHAIR, ROTARY, WITHOUT ARMS
	AR	AR			VV	CABINET, FILING, UNDERCOUNTER
	1	1			CC	TWO WAY VOICE AND SIGNALING COMMUNICATION SYSTEM (TO BE INSTALLED BETWEEN (PG-18-1, MCS 16761)
	1	1			VV	PRINTER, COMPUTER SYSTEM
	2	2			VV	BOOKCASE, SECTIONAL (EACH SECTION 33"W X 13" D X 15"H) WITH 10"H BASE
	1	1			VV	CART, EMERGENCY, "CRASH CART" , APPROX. 36" W X 21"D

**TABLE IV-8  
NURSE STATION/WARD CLERK/CHARTING**

## Medication Room 5-A

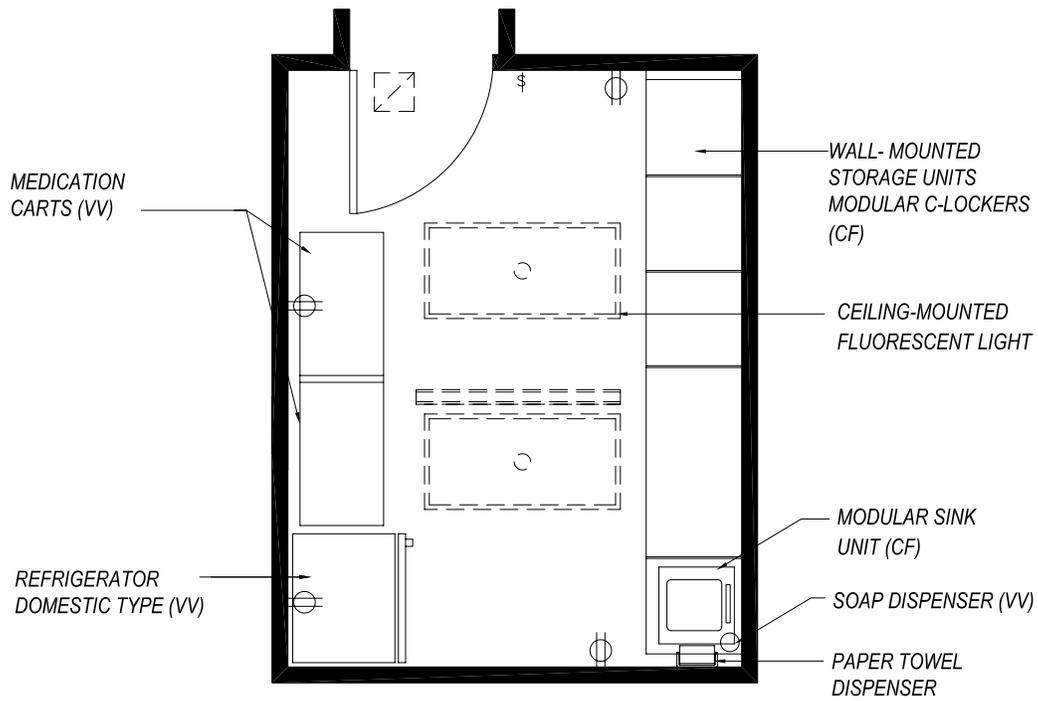
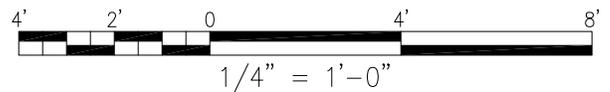


Figure IV-7



## Medication Room 5-A

### Function:

This space is intended for the secure storage of all the medications assigned to the nursing unit and for the storage of those medical supplies (i.e. syringes) that also require secure storage. This space must be accessible only from within the Communications Center.

### Space Requirement:

120 NSF

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: Reinforced Wall to accept Modular C-lockers.  
Hardware: 13  
Doors: 3'-0" x 7'-0" wood or metal  
Windows: None

### HVAC:

Temperature:  
Summer: 72@50%RH  
Winter: 82@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: Negative  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
Lights: 240w  
Equipment: 350w  
People: 75w, sensible  
75w, latent

### Electrical:

Lighting Levels:  
Gen. Illum: 70fc  
Emergency Power:  
Task Illumination  
Receptacle  
Refrigerator

## Medication Room 5-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1				CABINET, UNDER COUNTER, OPEN SHELF, ADJUSTABLE SHELVES, AVAILABLE WIDTHS 24", 36", 48"; DEPTH 22"; HEIGHT 38"
	1	1				CABINET, UNDER COUNTER, SINK UNIT, WITH TILT-OUT WASTE BIN, 24"W X 22"D X 38" H
	2	2			VV	CART, MEDICATION APPROX. 22"W X 33"L X 44" H
	1	1			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			VV	DISPENSER, PAPER CUP, FOR MEDICINE
	3	3			CF	CABINET, MEDICATION, MODULAR (WALL MOUNTED "C" LOCKERS)
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			VV	REFRIGERATOR, DOMESTIC TYPE, 15 CU. FT., 120 VOLT, 20 AMP, APPROX. 31"W X 28"D X 66"H

**TABLE IV-9  
MEDICATION ROOM**

## Staff Toilet 5-B

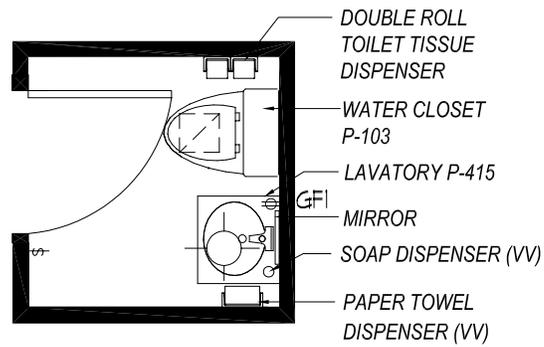
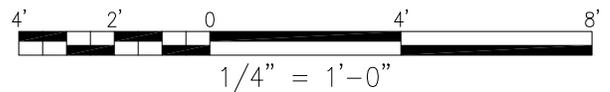


Figure IV-8



## Staff Toilet 5-B

### Function:

This space is accessible to staff only and should be near the Nurse Station.

### Space Requirement:

25 NSF

### Architectural:

Finish Code: 2-G  
Floor Finish: Ceramic Tile (slip-resistant)  
Base: Ceramic Tile  
Wall Finish: GWB, 4'-0" Ceramic Wainscot  
Ceiling: Acoustical Tile  
Ceiling Height: 8'-0"  
Noise (STC Rating): 35  
Slab Depression: None  
Special Construction: -  
Hardware: 18  
Doors: 3'-0" x 7'-0" wood or metal, undercut  
Windows: None

### HVAC:

Temperature:  
    Summer: -  
    Winter: 72  
Min. Air Changes/Hour: 10 (Exhaust 100%)  
Min. % Outside Air: -  
Pressure: Negative  
% Filtration: -  
Noise Criteria: 40  
A/C Loads:  
    Lights: -  
    Equipment: -  
    People: -

### Electrical:

Lighting Levels:  
    Gen. Illum: 30fc  
Emergency Power: -

## Staff Toilet 5-B

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						TOILET, STAFF
P-103	1	1			CC	WATER CLOSET, WALL HUNG (PG-18-1, MCS 15450)
	1	1			CC	DISPENSER, TOILET TISSUE, DOUBLE ROLL (PG-18-1, MCS 10800)
P-415	1	1			CC	LAVATORY, STRAIGHT BACK, WRIST CONTROL, 20" X 18" AND 3-1/2" APRON (PG-18-1, MCS 15450)
	1	1			CC	MIRROR, 16" X 20", WITH INTEGRAL SHELF, OVER LAVATORY (PG-18-1, MCS 10800; PG-18-4, SD 10800-7.DWG)
	1	1			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			CC	HOOK, CLOTHES (PG-18-1, MCS 10800)
	1	1			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1, MCS 16140)

**TABLE IV-10  
STAFF TOILET**

## Head Nurse 5-C

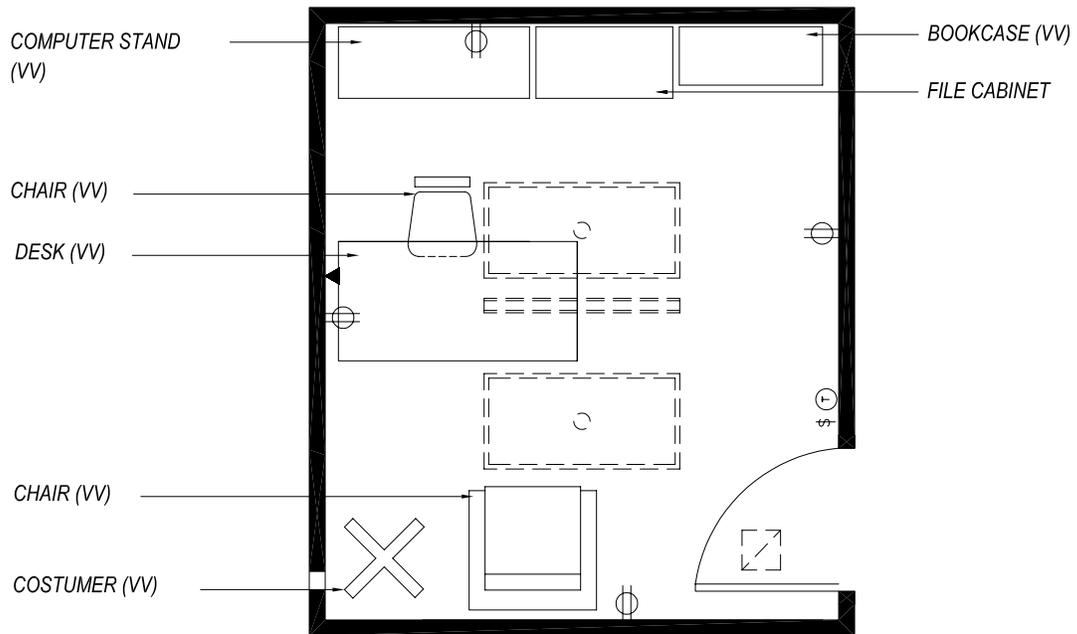
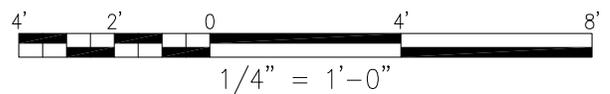


Figure IV-9



## Head Nurse 5-C

### Function:

This space is intended to accommodate the Head Nurse and occasional visits by patients in wheelchairs or gurneys. This space should be adjacent to the Nurse Station.

### Space Requirement:

130 NSF

### Architectural:

Finish Code: 6-B  
 Floor Finish: Carpet  
 Base: Vinyl  
 Wall Finish: Gypsum Wallboard/Paint  
 Ceiling: Acoustical Tile  
 Ceiling Height: 8'-0"  
 Noise (STC Rating): 40  
 Slab Depression: None  
 Special Construction: -  
 Hardware: 23  
 Doors: 3'-6" x 7'x 0" wood or metal  
 Windows: Desirable but not required.  
 \*Vinyl Wallcovering at Laboratory

### HVAC:

Temperature:  
 Summer: 72@50%RH  
 Winter: 82@30%RH  
 Min. Air Changes/Hour: None (see HVAC Note 3)  
 Min. % Outside Air: 15%  
 Pressure: (0)  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: 35  
 A/C Loads:  
 Lights: 360w  
 Equipment: 300w  
 People: 75w, sensible  
 75w, latent

### Electrical:

Lighting Levels:  
 Three Level Illumination: 25fc  
 50fc  
 70fc  
 Emergency Power: -

## Head Nurse 5-C

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			VV	DESK, SINGLE PEDESTAL APPROX. 48"W X 30"D X 29 ½"H
	1	1			VV	CHAIR, ROTARY WITH ARMS APPROX 30" X 30" (BASE)
	1	1			VV	CHAIR, STRAIGHT, WITH ARMS APPROX 30" X 30" (BASE)
	2	2			VV	BOOKCASE, SECTIONAL (EACH SECTION 33"W X 13"D X 15"H WITH 10" H BASE)
	1	1			VV	COSTUMER APPROX 12" X 12"
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			VV	CLOCK, BATTERY OPERATED
	1	1			VV	COMPUTER STAND

**TABLE IV-11  
HEAD NURSE**

## Nourishment Kitchen 6

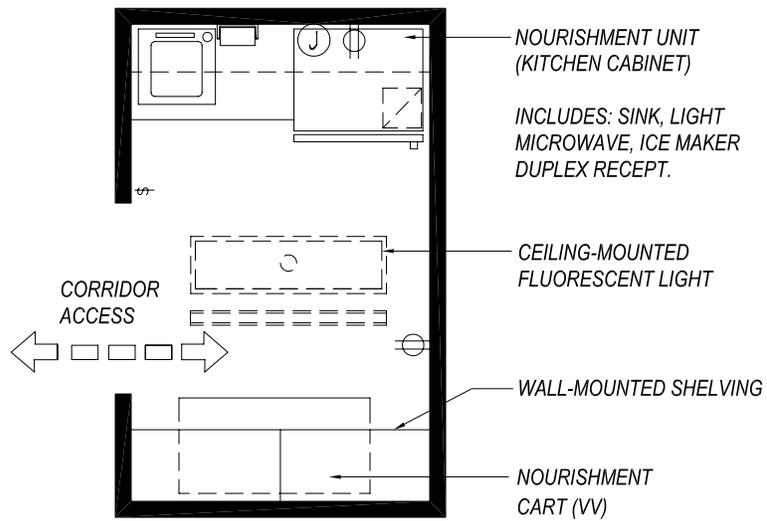
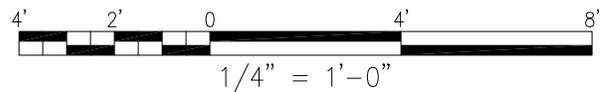


Figure IV-10



## Nourishment Kitchen 6

### Function:

This space is intended for use by staff in providing scheduled nourishments. It should be located in proximity to the Nurse station.

### Space Requirement:

60 NSF

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 8'-0"  
Noise (STC Rating): N/A  
Slab Depression: None  
Special Construction: -  
Hardware: None  
Doors: None  
Windows: None

### HVAC:

Temperature:  
    Summer: 78 @50% RH  
    Winter: 72 @30% RH  
Min. Air Changes/Hour: 10 (Exhaust 100%)  
Min. % Outside Air: 15%  
Pressure: Negative  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 45  
A/C Loads:  
    Lights: 75w  
    Equipment: 300w  
    People: 90w, sensible  
          95w, latent

### Electrical:

Lighting Levels:  
    Gen. Illum: 30fc  
    Task Illum: 70fc  
Emergency Power:  
    Refrigerator

## Nourishment Kitchen 6

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
T-22E MOD	1	1			CC	KITCHEN CABINET, NOURISHMENT, WITH ICE MAKER, ICE BIN, ICE DISPENSER, CUP DISPENSER, SOAP DISPENSER, TOWEL DISPENSER, WASTE CONTAINER, CABINETS, LIGHT FIXTURE, CORROSION RESISTING STEEL SINK, HOT AND COLD WATER MIXING FAUCET, DRAWERS, REFRIGERATOR. DELETE 2 BURNER RANGE SIZE 72"W X 28"D X 80"H (PG-18-1, MCS 11461)
	1	1			VV	MICROWAVE OVEN, 120 VOLT, 20 AMP (SIT ON COUNTER)
T-78	2	2			CC	SHELVING, WALL HUNG, STEEL, WITH 2 ADJUSTABLE SHELVES, 2 DOORS WITH LOCK, 36"W X 16"D X 48"H (PG-18-1, MCS 10671)
	1	1			VV	CART, NOURISHMENT, MOBILE, APPROX. 48"W X 24"D
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-12  
NOURISHMENT KITCHEN**

## Clean Utility 7

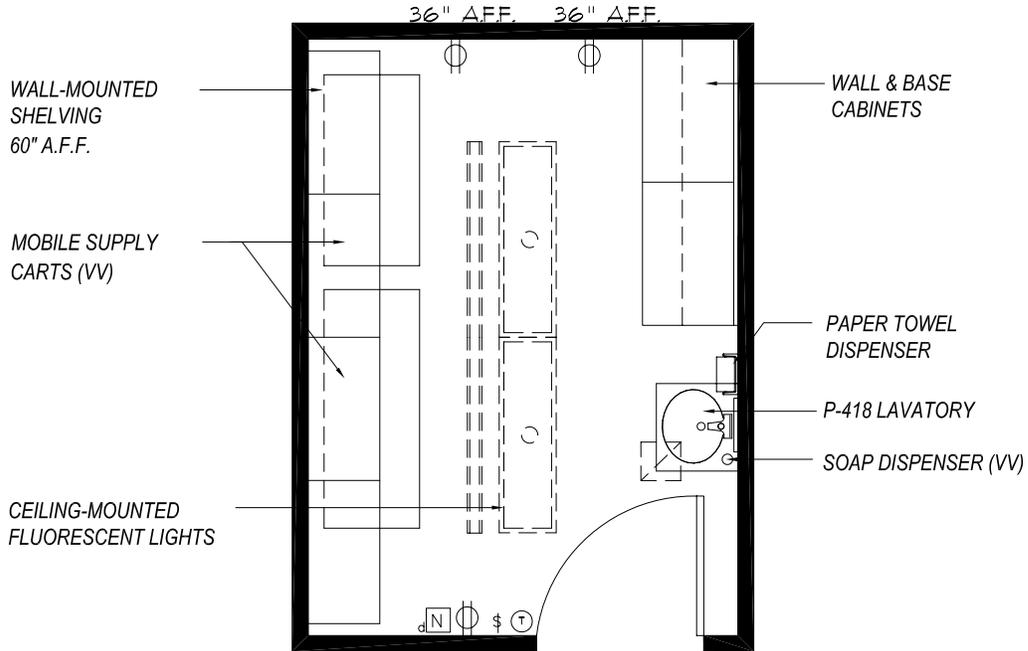
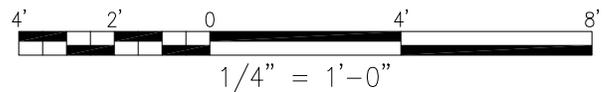


Figure IV-11

Room size is variable, see project-specific program for actual size.



## Clean Utility 7

### Function:

This space provides storage for sterile and non-sterile medical supplies, except linen and medications, used in the delivery of patient care. It should be central to the nursing unit and easily accessed from the Nurse Station.

### Space Requirement:

3.75 NSF/Bed, 100 NSF minimum.

### Architectural:

Finish Code: 1-P  
 Floor Finish: Vinyl Composition Tile  
 Base: Vinyl  
 Wall Finish: Veneer Plaster\*  
 Ceiling: Gypsum Wallboard/Paint  
 Ceiling Height: 9'-0"  
 Noise (STC Rating): 30  
 Slab Depression: None  
 Special Construction: 1 Hour Fire-Rated Enclosure and Sprinklers.  
 Hardware: 43  
 Doors: 3'-8" x 7'-0" wood or metal, "C" Label, optional view wireglass panel.  
 Windows: None  
 \*Special Coating, see Mspec #09815

### HVAC:

Temperature:  
 Summer: 78@50%RH  
 Winter: 72@30%RH  
 Min. Air Changes/Hour: None (see HVAC Note 3)  
 Min. % Outside Air: 15%  
 Pressure: Positive  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: 40  
 A/C Loads:  
 Lights: 150w  
 Equipment: 150w  
 People: 90w, sensible  
 95w, latent

### Electrical:

Lighting Levels:  
 Gen. Illum: 20fc  
 Emergency Power:  
 Nurse Call

## Clean Utility 7

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
T-1A	2	2			CC	CABINET, BASE WITH 2 DRAWERS, 2 HINGED DOORS AND 1 ADJUSTABLE SHELF, 36"W X 22"D X 36" H, CORROSION RESISTING STEEL TOP AND SPLASHBACKS, WITH WALL CABINET ABOVE WITH SLOPING TOP, 2 GLAZED SLIDING DOORS AND 2 ADJUSTABLE GLASS SHELVES (PG-18-1, MCS 12301)
P-418	1	1			CC	LAVATORY, ELECTRONIC SENSOR CONTROL FAUCET WITH RIGID GOOSENECK SPOUT, 20" X 18" & 3-1/2" APRON (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
T-7A	AR	AR			CC	SHELVING, WALL HUNG, STEEL, WITH ADJUSTABLE SHELVE, 36"W X 16"D X 24"H (PG-18-1, MCS 12301)
	1	1			VV	RECEPTACLE, WASTE, STEP ON TYPE, APPROX. 12" DIAMETER
	1	1			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, OVER COUNTER (PG-18-1, MCS 16140)
	1	1			CC	NURSE CALL, DUTY STATION, AUDIO VISUAL TYPE WITHOUT INTERCOM (PG-18-1, MCS 16761)
	AR	AR			VV	CART, MEDICAL, SUPPLY

**TABLE IV-13  
CLEAN UTILITY**

## Soiled Utility 7-A

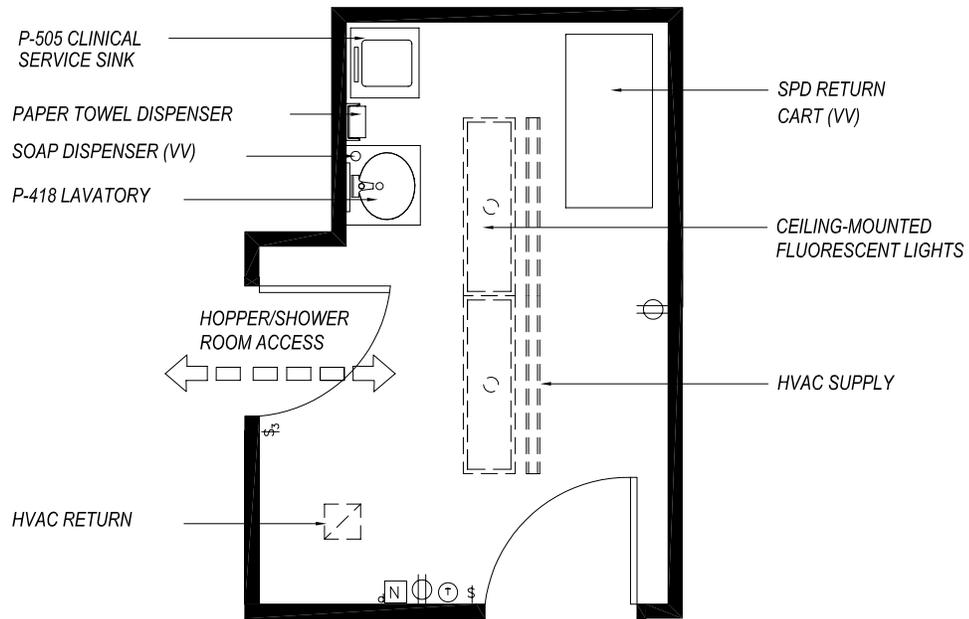
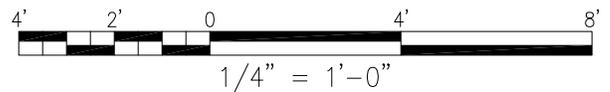


Figure IV-12

Room size is variable, see project-specific program for actual size.



## Soiled Utility 7-A

### Function:

This space is intended for the cleaning of equipment and instruments, the disposal of wastes, and the temporary holding of material on its way to SPD and of trash. This space should be easily accessible from the Hopper/Shower Room.

### Space Requirement:

4 NSF/Bed, 120 NSF Minimum.

### Architectural:

Finish Code: 1-P  
 Floor Finish: Vinyl Composition Tile  
 Base: Vinyl  
 Wall Finish: Veneer Plaster \*  
 Ceiling: Gypsum Wallboard/Paint  
 Ceiling Height: 9'-0"  
 Noise (STC Rating): 30  
 Slab Depression: None  
 Special Construction: 1 Hour Fire-rated Enclosure and Sprinklers.  
 Hardware: 43  
 Doors: 3'-8" x 7'-0" wood or metal "C" Label, optional wire-glass view panel.  
 Windows: None  
 \*Special Coating, see Mspec #09815

### HVAC:

Temperature:  
 Summer: -  
 Winter: 72  
 Min. Air Changes/Hour: 6, (100% Exhaust)  
 Min. % Outside Air: 15%  
 Pressure: Negative  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: 40  
 A/C Loads:  
 Lights: -  
 Equipment: -  
 People: -

### Electrical:

Lighting Levels:  
 Gen. Illum: 20fc  
 Emergency Power:  
 Nurse Call

## Soiled Utility 7-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						SOILED UTILITY ROOM
P-505	1	1			CC	SINK, SERVICE, CLINIC, FLUSHING RIM, WALL HUNG, ELBOW CONTROLS 20" X 25" X 8" D (PG-18-1, MCS 15450)
P-418	1	1			CC	LAVATORY, STRAIGHT BACK, ELECTRONIC TEMPERED FAUCET, 20" X 18" AND 3 1/2" APRON (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140).
	1	1			CC	CALL, NURSE DUTY STATION, AUDIO VISUAL TYPE WITHOUT INTERCOM (PG-18-1, MCS 16761)
	2	2			VV	CART, BULK TRASH

**TABLE IV-14  
SOILED UTILITY**

## Clean Linen 8

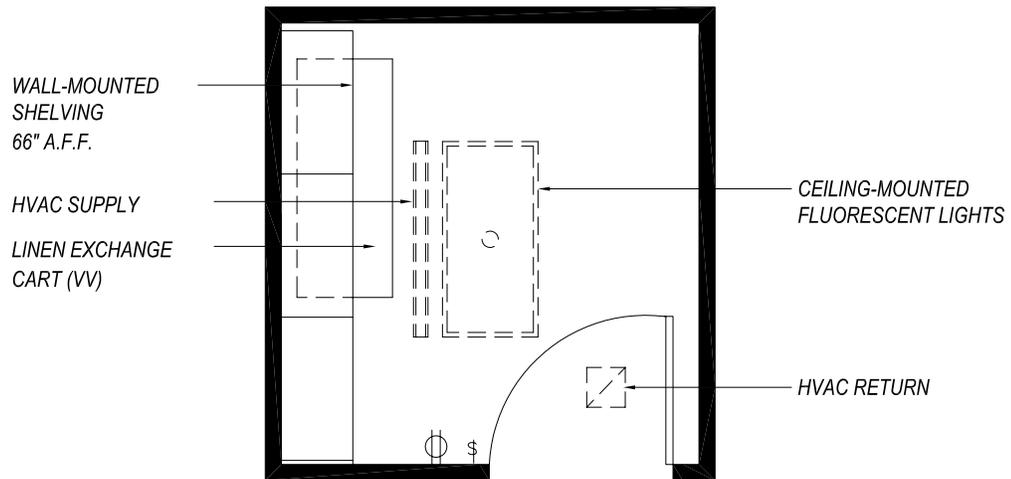
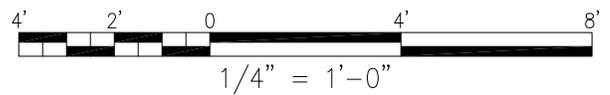


Figure IV-13



## Clean Linen 8

### Function:

This space is intended for the storage of clean linen on carts and/or fixed shelves. It should be centrally located and is for staff access only.

### Space Requirement:

80 NSF

### Architectural:

Finish Code:	1-A
Floor Finish:	Vinyl Composition Tile
Base:	Vinyl
Wall Finish:	Gypsum Wallboard/Paint
Ceiling:	Acoustical Tile
Ceiling Height:	9'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	1 Hour Fire-Rated Enclosure and Sprinklers.
Hardware:	43
Doors:	3'-10" x 7'-0" wood or metal "C" Label, optional wire-glass view panel.
Windows:	None

### HVAC:

Temperature:	
Summer:	78@50%RH
Winter:	72@30%RH
Min. Air Changes/Hour:	None (see HVAC Note 3)
Min. % Outside Air:	15%
Pressure:	Positive
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	40
A/C Loads:	
Lights:	120w
Equipment:	150w
People:	90w, sensible 95w, latent

### Electrical:

Lighting Levels:	
Gen. Illum:	30fc
Emergency Power:	-

## Clean Linen 8

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	2	2			VV	CART, LINEN (SHELF TRUCK ) LARGE, APPROX 24 ½"W X 48 ½"L X 57 ½"H
T-5C	3	3			CC	SHELVING, WALL HUNG, STEEL, WITH 2 ADJUSTABLE SHELVES, 36"W X 22"D X 42"H (PG-18-1, MCS 12301).
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-15  
CLEAN LINEN**

## Soiled Linen 8-A

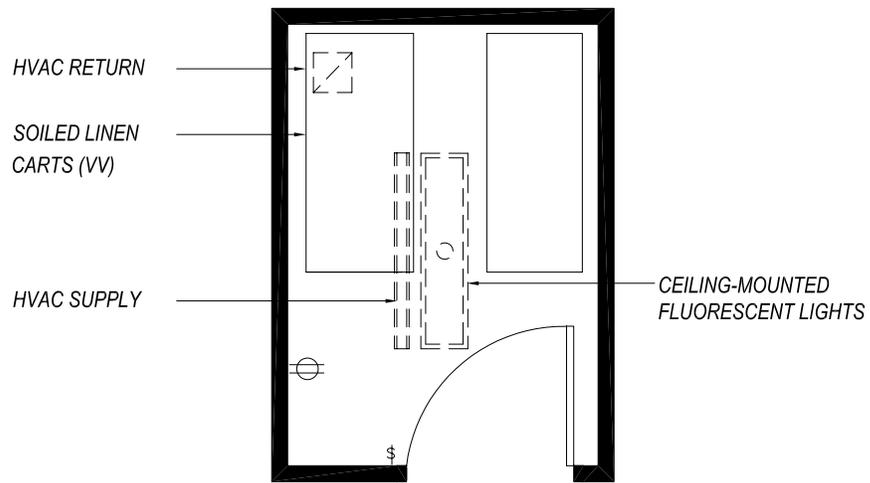
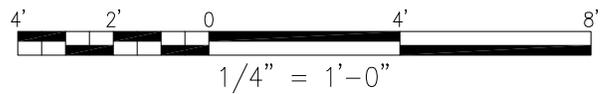


Figure IV-14



## Soiled Linen 8-A

### Function:

This space is intended to provide a temporary holding area for soiled linen on its way to the Laundry.

### Space Requirement:

60 NSF

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: 1 Hour Fire-rated Enclosure and Sprinklers.  
Hardware: 43  
Doors: 3'-10" x 7'-0" wood or metal, "C" Label, optional wire-glass view panel.  
Windows: None

### HVAC:

Temperature:  
Summer: -  
Winter: 72  
Min. Air Changes/Hour: 6, 100% Exhaust  
Min. % Outside Air: -  
Pressure: Negative  
% Filtration: 30% (PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
Lights: -  
Equipment: -  
People: -

### Electrical:

Lighting Levels:  
Gen. Illum: 20fc  
Emergency Power: -

## Soiled Linen 8-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	2	2			VV	CARTS, SOILED, LINEN
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-16  
SOILED LINEN**

## **Hopper/Shower Room 9**

**DELETED**



### Tubroom 10

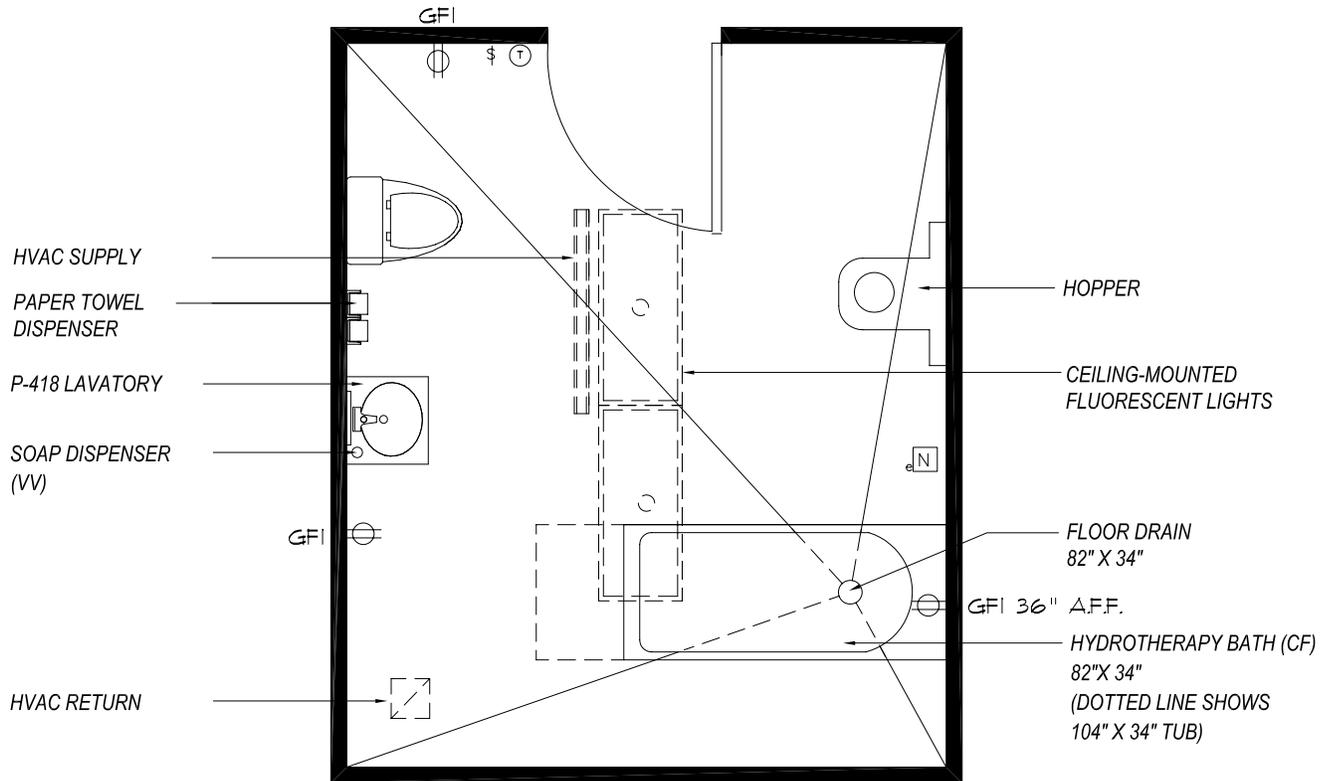
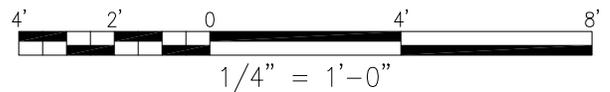


Figure IV-15



## Tubroom 10

### Function:

This space is intended to provide tub bathing facilities as well as some on-ward hydro-therapy capability.

### Space Requirement:

195 NSF

### Architectural:

Finish Code: 2-B  
Floor Finish: Ceramic Tile (slip-resistant)  
Base: Ceramic Tile  
Wall Finish: GWB/4'-0" Ceramic Wainscot  
Ceiling: Acoustical Tile/Special-Faced  
Ceiling Height: 9'-0"  
Noise (STC Rating): 30  
Slab Depression: 4" for ceramic tile, sloped to drain.  
Special Construction: -  
Hardware: 5  
Doors: 4'-0" x 7'x 0" wood or metal  
Windows: None

### HVAC:

Temperature:  
    Summer: 78  
    Winter: 82  
Min. Air Changes/Hour: 10 (100% Exhaust)  
Min. % Outside Air: -  
Pressure: Negative  
% Filtration: -  
Noise Criteria: 45  
A/C Loads:  
    Lights: -  
    Equipment: -  
    People: -

### Electrical:

Lighting Levels:  
    Gen. Illum: 30fc  
Emergency Power:  
    One Ceiling Light  
    Nurse Call

## Tubroom 10

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			CF	BATH, HYDROTHERAPY, THERMOSTATIC CONTROL, APPROX. OUTSIDE DIMENSIONS 36"W X 72"L X 28"H
	1	1			CC	DRAIN, FLOOR (PLUMBING DESIGN CRITERIA AND INSTRUCTIONS)
	1	1			CC	NURSE CALL-EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
P-418	1	1			CC	LAVATORY, ELECTRONIC SENSOR CONTROL FAUCET WITH RIGID GOOSENECK SPOUT, 20" X 18" & 3-1/2" APRON (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1	1			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1, MCS 16140)
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-17  
TUBROOM**

## Litter Storage 11

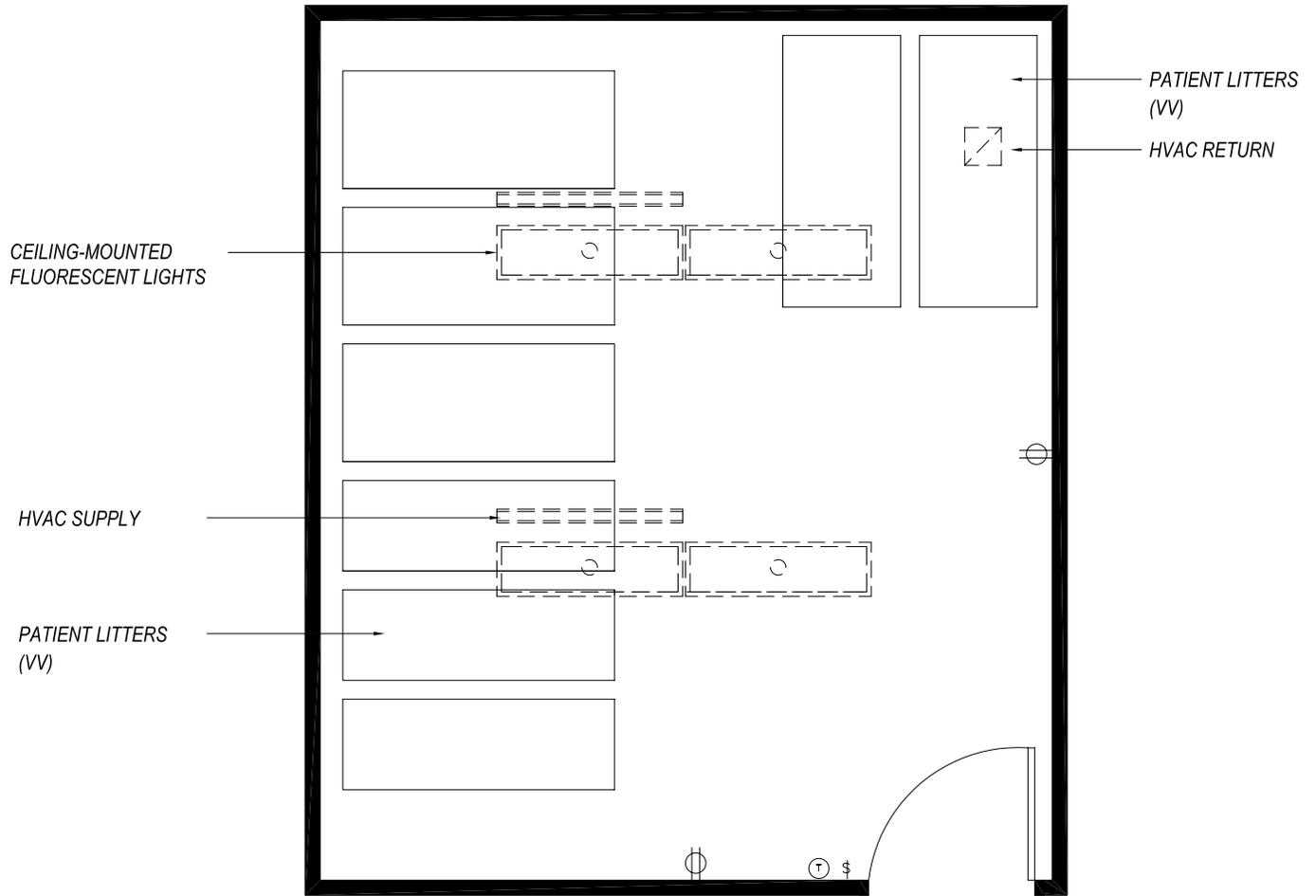
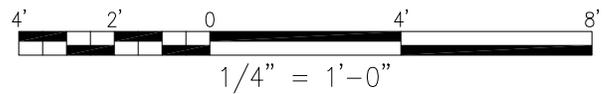


Figure IV-16



## Litter Storage 11

### Function:

This space is intended for the storage of litters and other large pieces of equipment. It should be located in opposition to the Transfer Equipment Storage Area (Guideplate 11-A) so that storage opportunities are dispersed.

### Space Requirement:

10 NSF/Bed

### Architectural:

Finish Code:	1-A
Floor Finish:	Vinyl Composition Tile
Base:	Vinyl
Wall Finish:	Gypsum Wallboard/Paint
Ceiling:	Acoustical Tile
Ceiling Height:	8'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	13
Doors:	4'-0" x 7'-0" wood or metal, optional glass view panel.
Windows:	None Required

### HVAC:

Temperature:	
Summer:	-
Winter:	72
Min. Air Changes/Hour:	6
Min. % Outside Air:	-
Pressure:	Negative
% Filtration:	-
Noise Criteria:	40
A/C Loads:	
Lights:	-
Equipment:	-
People:	-

### Electrical:

Lighting Levels:	
Gen. Illum:	20fc
Emergency Power:	-

## Litter Storage 11

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	AR	AR			VV	LITTER, APPROXIMATELY 24" x 72"
	AR	AR			VV	GURNEY, MANUAL
	AR	AR			VV	GURNEY, ELECTRIC
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-18  
LITTER STORAGE**

## Transfer Equipment Storage 11-A

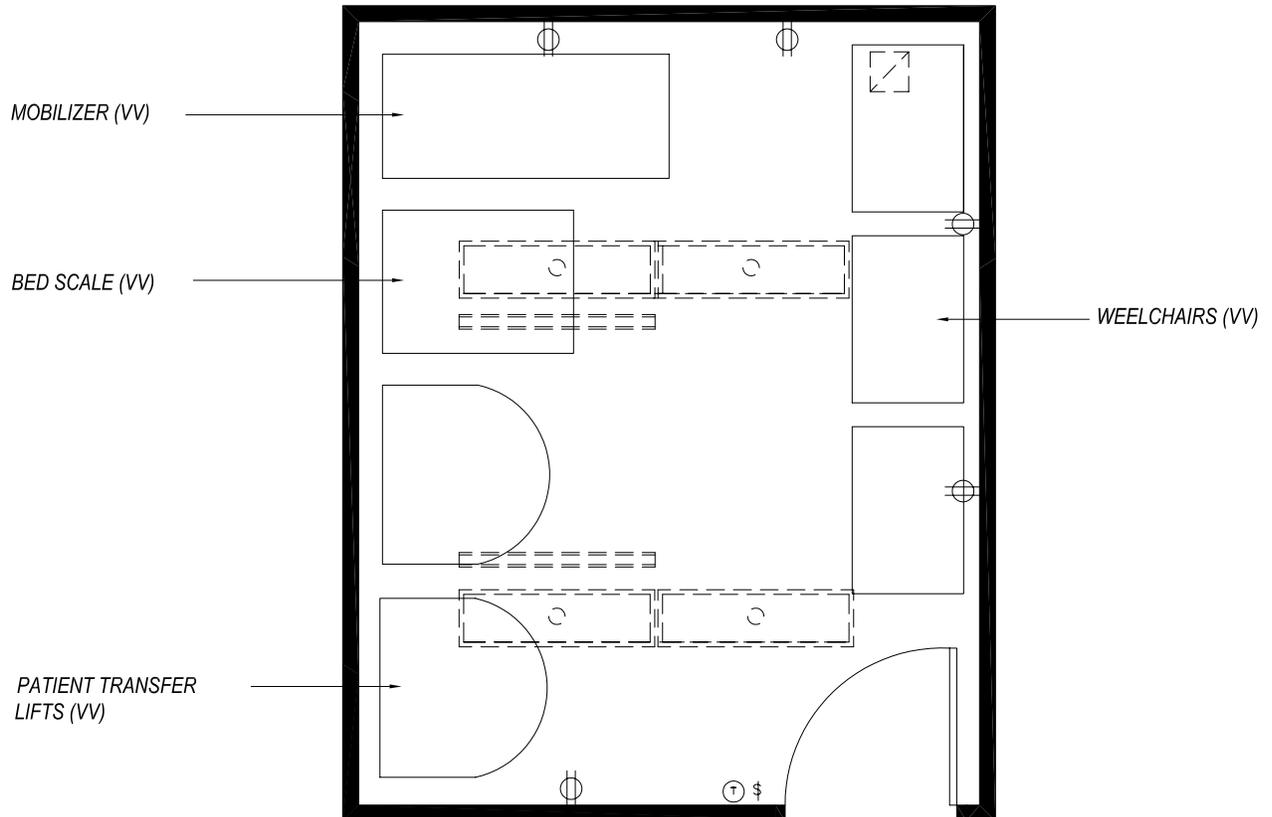
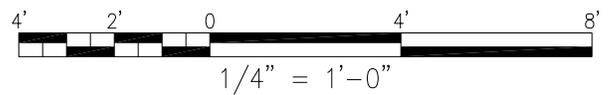


Figure IV-17

Room size is variable, see project-specific program for actual size.



## Transfer Equipment Storage 11-A

### Function:

This space is intended for the storage of standard and electric wheelchairs, litters, lifts and mobilizer or any other device required to move patients in and out of bed.

### Space Requirement:

7 NSF/Bed

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 8'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: 13  
Doors: 4'-0" x 7'-0" wood or metal, optional glass view panel.  
Windows: None Required

### HVAC:

Temperature:  
Summer: -  
Winter: 72  
Min. Air Changes/Hour: 6  
Min. % Outside Air: -  
Pressure: Negative  
% Filtration: -  
Noise Criteria: 40  
A/C Loads:  
Lights: -  
Equipment: -  
People: -

### Electrical:

Lighting Levels:  
Gen. Illum: 20fc  
Emergency Power: -

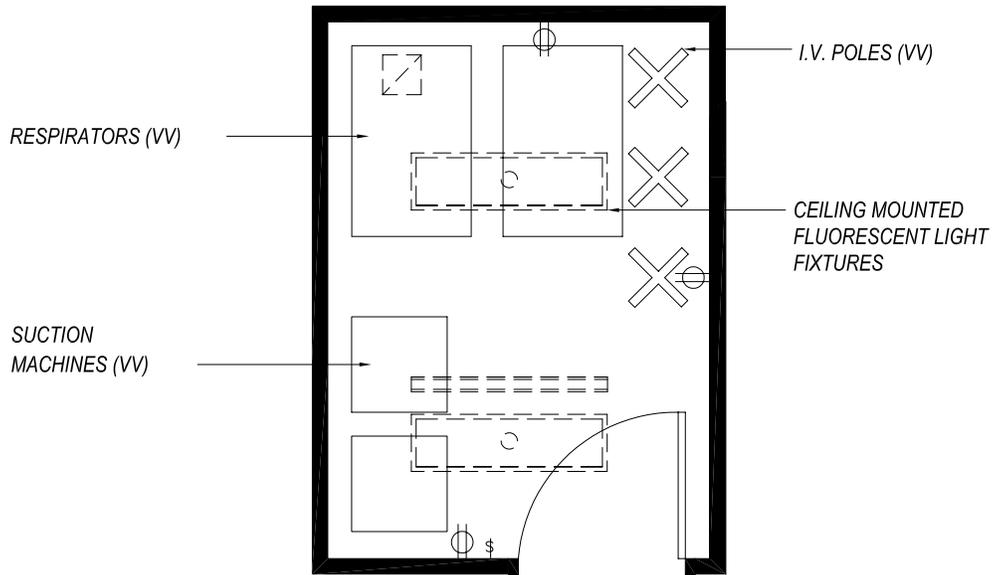
## Transfer Equipment Storage 11-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			VV	MOBILIZER, APPROXIMATELY 36" X 84"
	AR	AR			VV	LIFT, TRANSFER, PATIENT, HYDRAULIC, WITH ACCESSORIES, OR LIFT, PATIENT, SCREW TYPE WITH ACCESSORIES, APPROXIMATELY 36" X 48"
	1	1			VV	PRONE PATIENT BED SCALE, APPROXIMATELY 36" X 48"
	AR	AR			VV	WHEELCHAIR, ELECTRIC
	AR	AR			VV	WHEELCHAIR, STANDARD
	AR	AR			VV	RESPIRATOR, APPROXIMATELY 18" X 18"
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

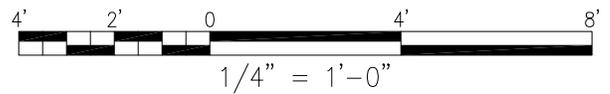
**TABLE IV -19  
TRANSFER EQUIPMENT STORAGE**

## Medical Equipment Storage 11-B



**Figure IV-18**

Room size is variable, see project-specific program for actual size.



## Medical Equipment Storage 11-B

### Function:

This space is intended for the storage of equipment too delicate to be stored in either the Litter or Wheelchair/Transfer Equipment Storage Rooms, and too large to be stored in the Clean Utility Room.

### Space Requirement:

3 NSF/Bed

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 8'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: 13  
Doors: 4'-0" x 7'-0" wood or metal, optional glass view panel.  
Windows: None Required

### HVAC:

Temperature:  
    Summer: -  
    Winter: 72  
Min. Air Changes/Hour: 6  
Min. % Outside Air: -  
Pressure: Negative  
% Filtration: -  
Noise Criteria: 40  
A/C Loads:  
    Lights: -  
    Equipment: -  
    People: -

### Electrical:

Lighting Levels:  
    Gen. Illum: 20fc  
Emergency Power: -

## Medical Equipment Storage 11-B

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	AR	AR			VV	INHALATOR (RESPIRATOR), SINGLE (INTERMITTENT POSITIVE PRESSURE BREATHING MACHINE WITH ACCESSORIES), 24" X 24"
	AR	AR			VV	PUMP, CONTINUOUS, AUTOMATIC, INFUSION/WITHDRAWAL
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-20  
MEDICAL EQUIPMENT STORAGE**

## Conference/Classroom 12

If the VAMC chooses the option of recharging wheelchair batteries here then a separate stainless steel exhaust duct system with explosion-proof motor must be provided. Minimum air changes exhaust = 10/hour.

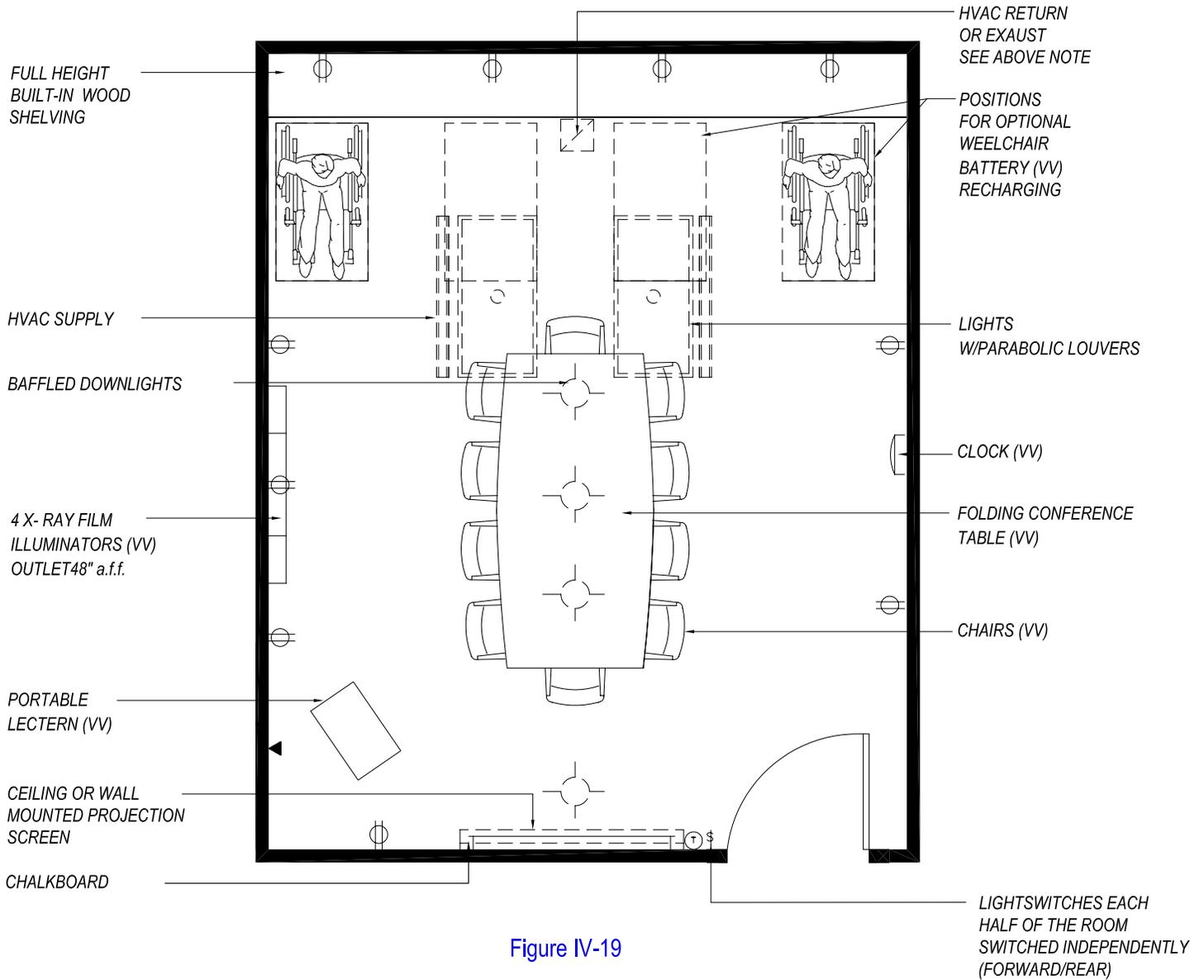
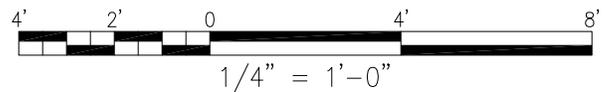


Figure IV-19



## Conference/Classroom 12

### Function:

This space is intended to serve as meeting space for staff and for interactions between staff, patients, and the families of patients. The individual VAMC also has the option of making this one of the central nighttime electric wheelchair recharging locations.

### Space Requirement:

320 NSF

### Architectural:

Finish Code: 6-B  
 Floor Finish: Carpet  
 Base: Vinyl  
 Wall Finish: Gypsum Wallboard/Paint\*  
 Ceiling: Acoustical Tile  
 Ceiling Height: 9'-0"  
 Noise (STC Rating): 40  
 Slab Depression: None  
 Special Construction: -  
 Hardware: 25  
 Doors: 4'-0" x 7'-0" wood or metal, optional glass view panel.  
 Windows: None Required

\*Tackable surface, one wall.

### HVAC:

Temperature:

Summer: 78@50%RH

Winter: 82@30%RH

Min. Air Changes/Hour: 6, (not less than 20cfm per occupant @ 20sf/person.)

Min. % Outside Air: 15%

Pressure: Negative

% Filtration: 30%(PF)/85%(AF)

Noise Criteria: 35

A/C Loads:

Lights: 1800w

Equipment: 850w

People: 1040w, sensible  
 880w, latent

### Electrical:

Lighting Levels: 2 Level

Fluorescent:

High: 70fc

Low: 30fc

Incandescent Downlights on Dimmer: 0fc-30fc

Emergency Power: -

## Conference/Classroom 12

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						NOTE: ROOM MUST CONFORM WITH NFPA STANDARDS FOR RECHARGING WHEELCHAIR BATTERIES
	AR	AR			VV	CHAIR, CONFERENCE, WITH ARMS
	1	1			VV	CHALKBOARD, 60"W X 48"H
	AR	AR			CC	ILLUMINATION, GENERAL – EACH HALF OF ROOM SWITCHED INDEPENDENTLY FOR DIVIDED USE (PG-18-1, MCS 16510)
	1	1			VV	LECTERN, PORTABLE WITH READING LIGHT AND MICROPHONE, AMPLIFIER & SPEAKER, 120 VOLT, 20 AMP
	AR	AR			VV	TABLE, CONFERENCE, FOLDING PORTABLE
	AR	AR			VV	ILLUMINATOR, X-RAY FILM, WALL MOUNTED, PORTABLE, 120 VOLT, 20 AMP
	1	1			CC	SCREEN PROJECTION, CEILING OR WALL MOUNTED (PG-18-1, MCS 11131)
	AR	AR			CC	RECEPTACLE ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, 36" ABOVE FLOOR, EVERY 5' ALONG WALL FOR WHEELCHAIR BATTERY RECHARGING (PG-18-1, MCS 16140)
	1	1			VV	CLOCK, BATTERY OPERATED
	AR	AR			CC	SHELVING, WOOD, FULL-HEIGHT, BUILT-IN, 12" DEEP, LENGTH AS REQUIRED (PG-18-1, MCS 12302)

**TABLE IV-21  
CONFERENCE/CLASSROOM**

## Quiet Room 13

If the VAMC chooses the option of recharging wheelchair batteries here then a separate stainless steel exhaust duct system with explosion-proof motor must be provided. Minimum exhaust air changes required = 10/hour.

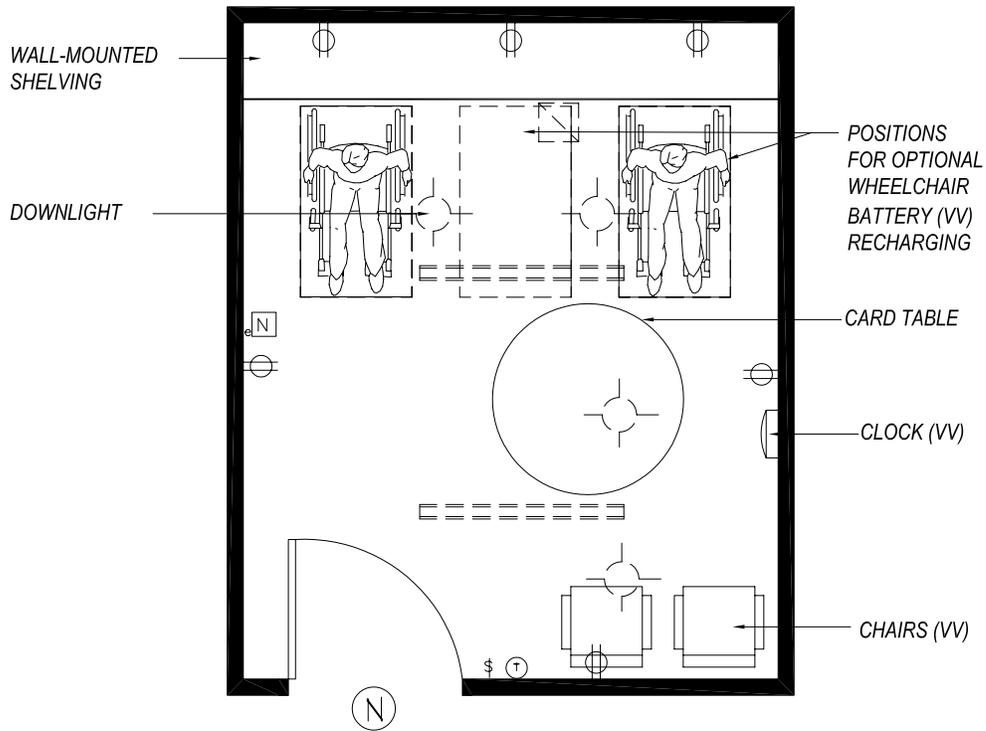
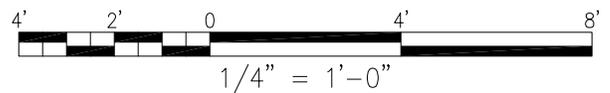


Figure IV-20



## Quiet Room 13

### Function:

This space is intended to provide an area for quiet, private patient activities. The individual VAMC also has the option of making this one of the central nighttime electric wheelchair recharging points.

### Space Requirement:

150 NSF

### Architectural:

Finish Code:	1-G
Floor Finish:	Vinyl Composition Tile
Base:	Vinyl
Wall Finish:	Gypsum Wallboard/Vinyl
Ceiling:	Acoustical Tile
Ceiling Height:	9'-0"
Noise (STC Rating):	40
Slab Depression:	None
Special Construction:	-
Hardware:	7
Doors:	4'-0" x 7'-0" wood or metal, optional glass view panel.
Windows:	Desirable, see H-08-3, CS-31-1 & CD-35.

### HVAC:

Temperature:	
Summer:	72@50%RH
Winter:	82@30%RH
Min. Air Changes/Hour:	None (see HVAC Note 3)
Min. % Outside Air:	15%
Pressure:	(0)
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	35
A/C Loads:	
Lights:	300w
Equipment:	680w
People:	130w, sensible 110w, latent

### Electrical:

Lighting Levels:	
Incandescent on Dimmer:	0fc-50fc
Emergency Power:	
Nurse Call	

## Quiet Room 13

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						NOTE: ROOM MUST CONFORM WITH NFPA STANDARDS FOR RECHARGING WHEELCHAIR BATTERIES
	1	1			VV	TABLE, 48" DIAMETER
	2	2			VV	CHAIR, STACKING
T-7F	AR	AR			CC	SHELVING, WALL HUNG, STANDARD AND BRACKET TYPE, 8 ADJUSTABLE SHELVES, 13" DEEP X LENGTH AS REQUIRED, 9" ABOVE FINISHED FLOOR (PG-18-1, MCS 10671)
	AR	AR			CC	RECEPTACLE ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP., 36" ABOVE FLOOR, EVERY 5' ALONG WALL FOR WHEELCHAIR BATTERY RECHARGING (PG-18-1, MCS 16140)
	1	1			VV	CLOCK, BATTERY OPERATED
	1	1			CC	CALL, NURSES-EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)

**TABLE IV-22  
QUIET ROOM**

## Housekeeping Aide Closet 14

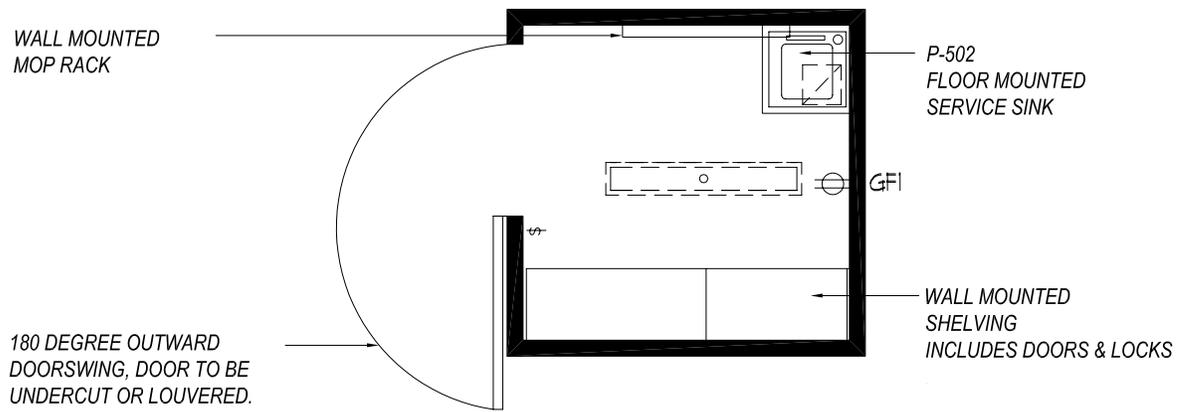
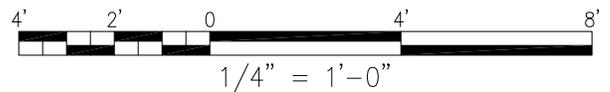


Figure IV-21



## Housekeeping Aide Closet 14

### Function:

This space is intended for the storage of building maintenance equipment and supplies. It is the focus of the daily cleaning of the Nursing Unit.

### Space Requirement:

40 NSF

### Architectural:

Finish Code:	2-F
Floor Finish:	Ceramic Tile (slip-resistant)
Base:	Ceramic Tile
Wall Finish:	GWB/4'-0" Ceramic Wainscot
Ceiling:	Acoustical Tile/Special-Faced
Ceiling Height:	9'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	13
Doors:	3'-8" x 7'-0" wood or metal, optional glass view panel, louver as required.
Windows:	None

### HVAC:

Temperature:	
Summer:	-
Winter:	72
Min. Air Changes/Hour:	10 (100% Exhaust)
Min. % Outside Air:	-
Pressure:	(0)
% Filtration:	-
Noise Criteria:	40
A/C Loads:	
Lights:	-
Equipment:	-
People:	-

### Electrical:

Lighting Levels:	
Gen. Illum:	10fc
Emergency Power:	-

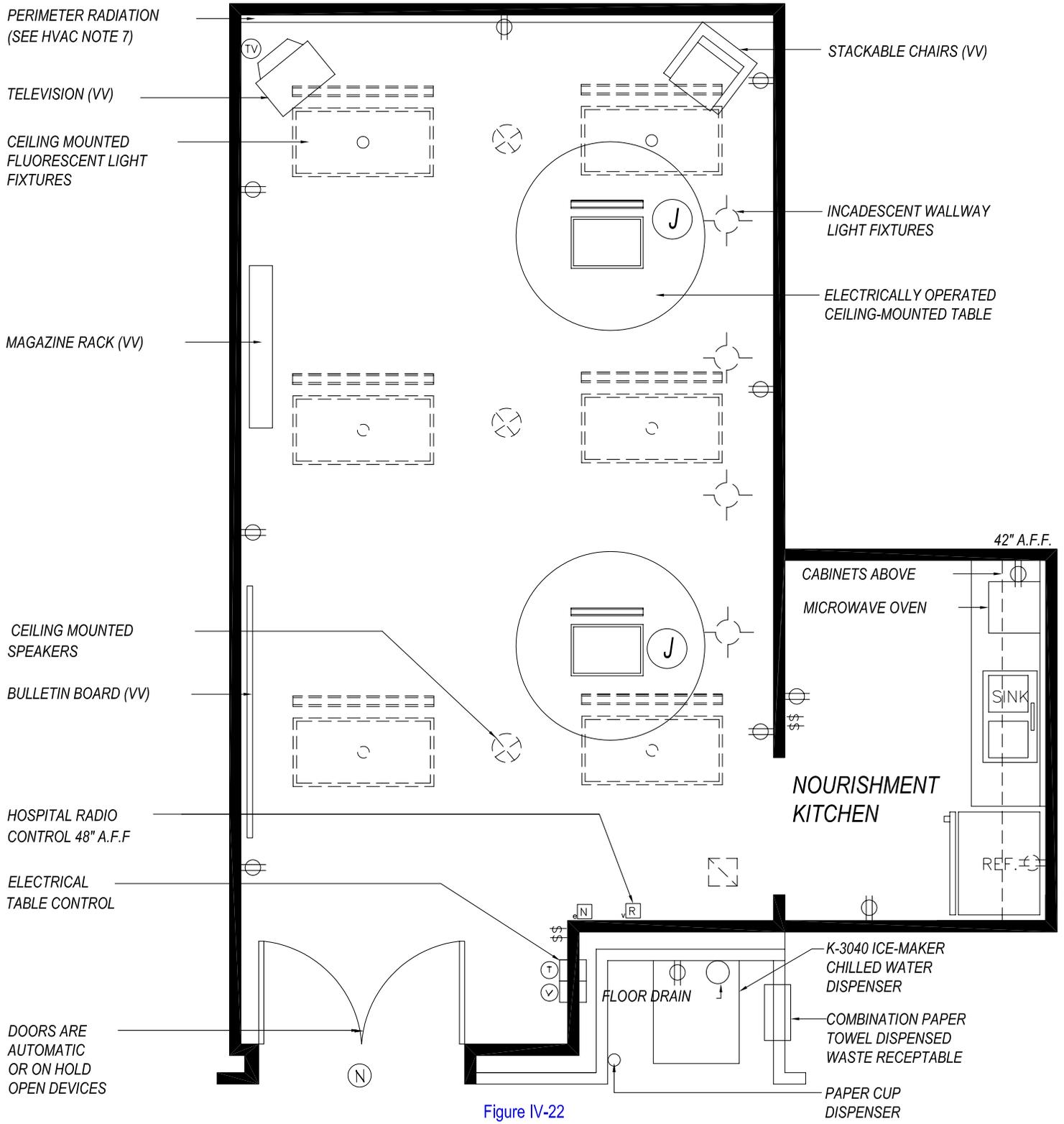
## Housekeeping Aide Closet 14

### Equipment Table:

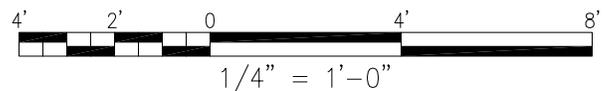
SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
P-502	1	1			CC	SINK, SERVICE, FLOOR MOUNTED, CORNER TYPE, 28"W X 28"D X 8"H APRON (PG-18-1, MCS 15450)
T-7B	AR	AR			CC	SHELVING, WALL HUNG, STEEL, WITH 2 ADJUSTABLE SHELVES, 2 DOORS WITH LOCK, 36"W X 16D X 48"H (PG-18-1, MCS 10671)
T-10	1	1			CC	RACK, MOP, WALL MOUNTED (PG-18-1, MCS 10360)

**TABLE IV-23  
HOUSEKEEPING AIDE CLOSET**

# Day Room 15



"Occupied/Unoccupied" selector switch to reduce air volume when dayroom is unoccupied. Room size is variable, see project specific program for actual size.



## Day Room 15

### Function:

This space is intended to accommodate a variety of unsupervised recreational activities among patients and on occasion patients and family.

### Space Requirement:

12.5 NSF/Bed

### Architectural:

Finish Code: 1-G  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: GWB/Vinyl Fabric Wallcovering  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-0"  
Noise (STC Rating): 35  
Slab Depression: None  
Special Construction: -  
Hardware: 5  
Doors: 2@3'-0" x 7'-0"  
Wood or metal, upper half=laminated safety glass.  
Windows: Desirable, see H-08-3, CS-31-1 & CD-35.

### HVAC:

Temperature:  
Summer: 72@50%RH  
Winter: 82@30%RH  
Min. Air Changes/Hour: 12 (100% Exhaust)  
Min. % Outside Air: 15%  
Pressure: Negative  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
Lights: 1320w  
Equipment: 600w  
People: 1350w, sensible  
1350w, latent

### Electrical:

Lighting Levels:  
Three Level Fluorescent:  
High: 60fc  
Med: 45fc  
Low: 20fc  
Incandescent Wall-Washers on Dimmer: 0fc-5fc  
Emergency Power:  
One Ceiling Light  
Nurse Call

## Day Room 15

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			CC	RECEPTACLE, ELECTRICAL, FOR TELEVISION RECEIVER 120 VOLT 20 AMP (PG-18-1, MCS 16140)
	1	1			CC	OUTLET, MASTER TELEVISION ANTENNA (PG-18-1, MCS 16781)
	1	1			VV	RECEIVER, TELEVISION 120 VOLT, 20 AMP
	1	1			CC	SPEAKER, WITH CHANNEL SELECTOR AND VOLUME CONTROL, HOSPITAL RADIO SYSTEM (PG-18-1, MCS 16771)
	1	1			CC	CALL, NURSES-EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
	1	1			VV	CLOCK, BATTERY OPERATED
	AR	AR			VV	DRAPES, WINDOW
	AR	AR			CC	TRACK, DRAPERY, INSTALL ACCORDING TO DESIGN (PG-18-1, MCS 12501)
	2	2			CC	TABLE, SUSPENDED, 60" DIAMETER  (SEE ARCHITECTURAL AND ELECTRICAL SERVICE FOR REQUIREMENTS FOR SUSPENDED TABLE)
	AR	AR			VV	MAGAZINE RACK, 48" LONG
K3040	1	1			CC	ICE AND WATER STATION WITH AUTOMATIC ICE MAKER AND DISPENSER, FLOOR MOUNTED, 500 LBS PER DAY, 100 LB. BIN, 36"W X 28"D X 84"H (PG-18-1, MCS 11415)
	1	1			CC	DRAIN, FLOOR (PLUMBING DESIGN CRITERIA AND INSTRUCTIONS)
	1	1			CC	DISPENSER, CUP, PAPER, WITH BUILT-IN WASTE CUP RECEPTACLE (PG-18-1, MCS 10800)
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			VV	BULLETIN BOARD, 40"W X 36"H

**TABLE IV-24  
DAY ROOM**

## Patient Laundry 16

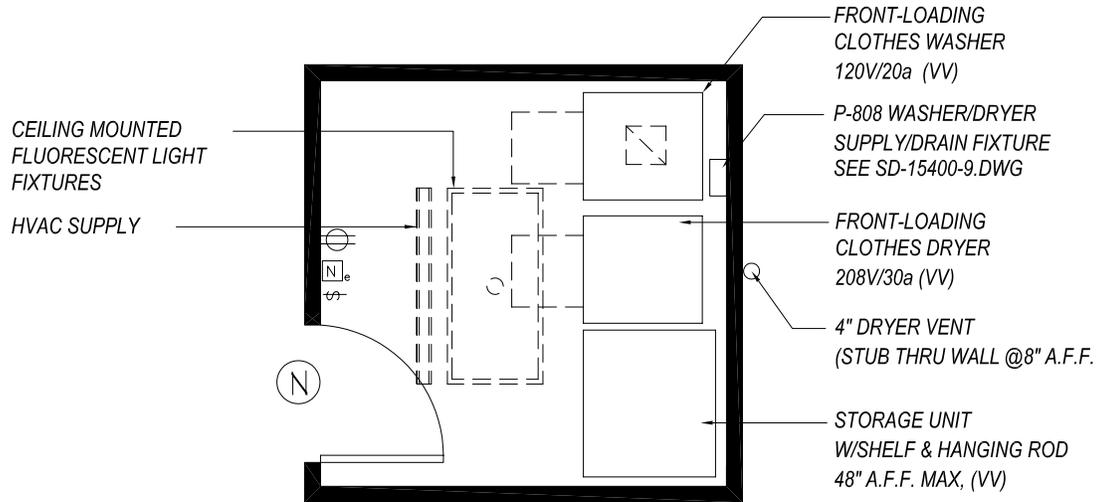
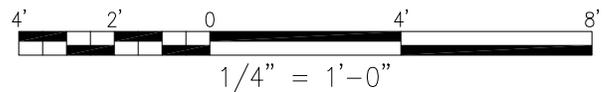


Figure IV-23



## Patient Laundry Room 16

### Function:

This space is to provide an easily accessible area on the Nursing Unit for patients to wash their personal clothing.

### Space Requirement:

72 NSF

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 8'-0"  
Noise (STC Rating): 35  
Slab Depression: None  
Special Construction: -  
Hardware: 23  
Doors: 4'-0" x 7'-0" wood or metal, optional glass view panel.  
Windows: None

### HVAC:

Temperature:  
    Summer: -  
    Winter: 82  
Min. Air Changes/Hour: 10, (100% Exhaust)  
Min. % Outside Air: -  
Pressure: Negative  
% Filtration: 30%(PF)  
Noise Criteria: 50  
A/C Loads:  
    Lights: -  
    Equipment: -  
    People: -

### Electrical:

Lighting Levels:  
    Gen. Illum: 50fc  
Emergency Power:  
    Nurse Call

## Patient Laundry Room 16

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			CC	CALL, NURSES-EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
	1	1			VV	WASHER, CLOTHES, FRONT LOADING COMMERCIAL, 120 VOLT, 20 AMP
	1	1			VV	DRIER, CLOTHES, FRONT LOADING COMMERCIAL, 208 VOLT, 30 AMP, SINGLE PHASE
P-808	1	1			CC	WASHING MACHINE SUPPLY AND DRAIN UNITS (PG-18-1, MCS 15450; PG-18-4, SD 15400-9.DWG)
	2	2			VV	TABLE, LAUNDRY (FOR FOLDING CLOTHES)
	1	1			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			CC	RECEPTACLE, ELECTRICAL, 208 VOLT, 30 AMP (PG-18-1, MCS 16140)

**TABLE IV-25  
PATIENT LAUNDRY ROOM**

## Visitor's Lounge 17

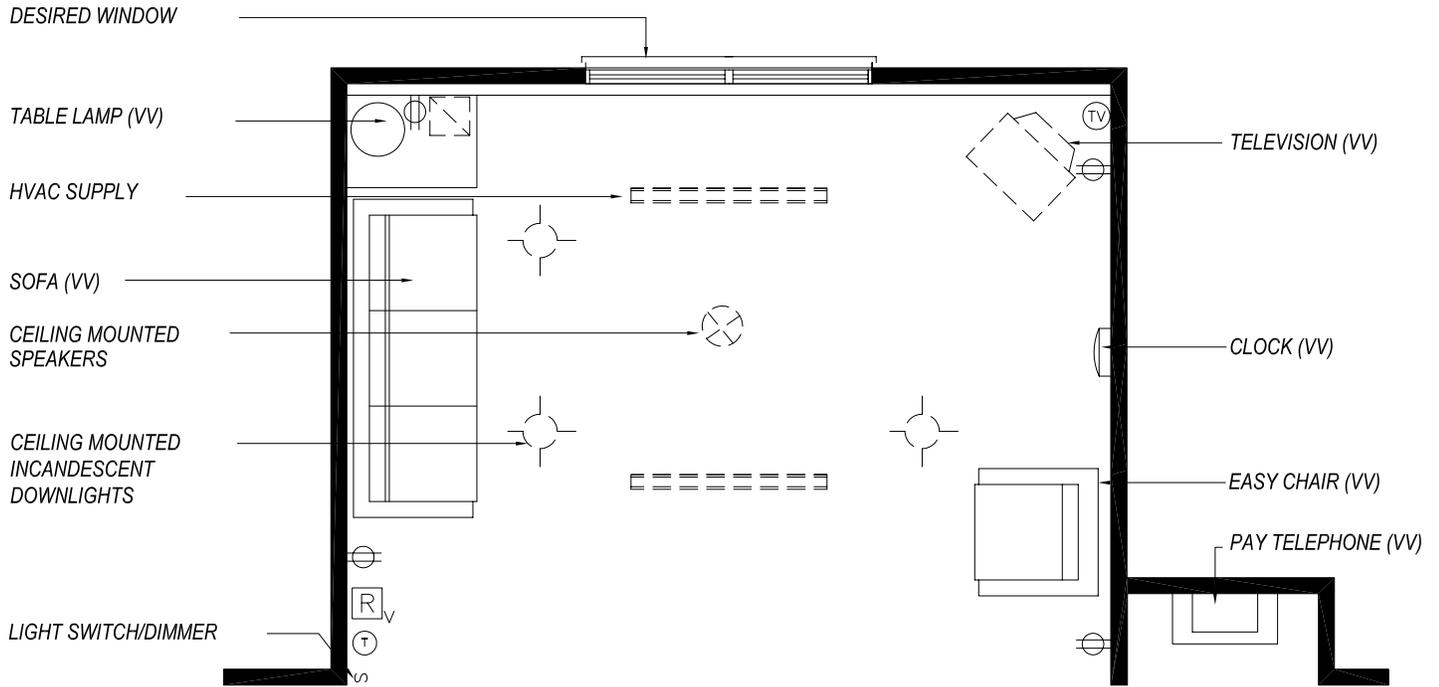
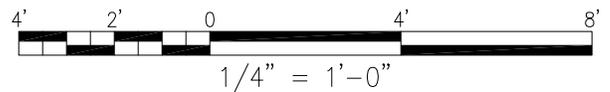


Figure IV-24

Room size is variable, see project-specific program for actual size.



## Visitor's Lounge 17

### Function:

This space is intended to accommodate the interactions between patients and their visitors. One lounge is intended to serve all SCI Units on a given floor and must be located conveniently to the entrances of each Unit and to the entrance of the entire SCI Center.

### Space Requirement:

1.8 NSF/Bed, 150 NSF Minimum

### Architectural:

Finish Code: 1-G  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: GWB/Vinyl Fabric Wallcover  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: -  
Doors: None  
Windows: Desirable, see PG-18-3, Topic 1, Codes and Standards.

### HVAC:

Temperature:  
    Summer: 72@50%RH  
    Winter: 82@30%RH  
Min. Air Changes/Hour: 12, (100% Exhaust)  
Min. % Outside Air: 15%  
Pressure: Negative  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
    Lights: 450w  
    Equipment: 380w  
    People: 450w, sensible  
          450w, latent

### Electrical:

Lighting Levels:  
    Gen. Illum: 30fc  
Emergency Power: -

## Visitor's Lounge 17

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	AR	AR			VV	DRAPES, WINDOW
	AR	AR			VV	CHAIR, EASY APPROX. 37"W X 36"D
	AR	AR			VV	SOFA, UPHOLSTERED APPROX. 79"L X 34"D X 31"H
	AR	AR			VV	TABLE, END APPROX. 20"W X 26"D X 20"H
	AR	AR			VV	LAMP, TABLE TYPE
	1	1			VV	CLOCK, BATTERY OPERATED
	1	1			VV	RECEIVER, TELEVISION 120 VOLT, 20 AMP
	1	1			CC	OUTLET, MASTER TELEVISION ANTENNA (PG-18-1, MCS 16781)
	1	1			CC	SPEAKER, WITH CHANNEL SELECTOR AND VOLUME CONTROL, HOSPITAL RADIO SYSTEM (PG-18-1, MCS 16771)
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			VV	TELEPHONE, PUBLIC, SHELF TYPE BOOTH, ACOUSTICALLY TREATED WITHOUT LEGS OR DOORS AT LEAST ONE TO BE LOCATED AT PROPER HEIGHT TO ACCOMMODATE WHEELCHAIR PATIENTS, FURNISHED AND INSTALLED BY TELEPHONE COMPANY (SEE ARCHITECTURE DRAWING FOR EXACT LOCATION)

**TABLE IV-26  
VISITOR'S LOUNGE**

## Visitor's Toilets 17-A

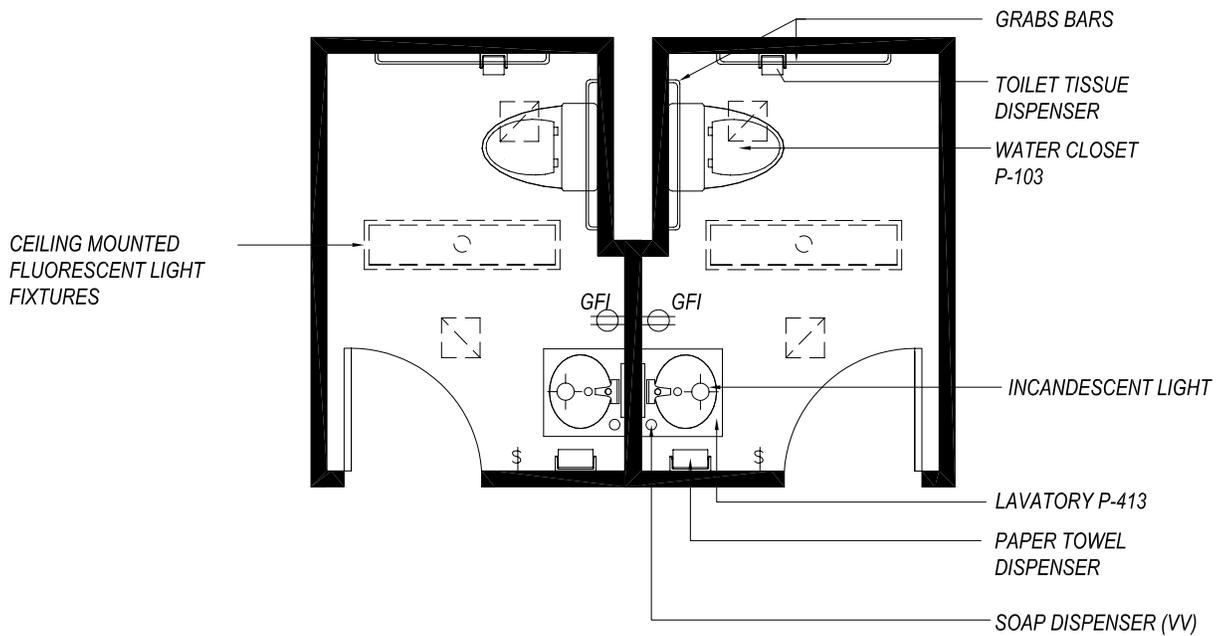
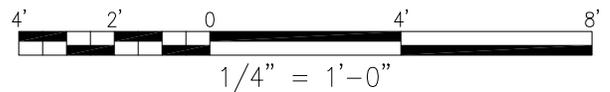


Figure IV-25



## Visitor's Toilets 17-A

### Function:

These facilities are to be contiguous to the Visitor's Lounge but accessed from the corridor in front of the Lounge.

### Space Requirement:

Male: 52 NSF

Female: 52 NSF

### Architectural:

Finish Code: 2-G  
Floor Finish: Ceramic Tile (slip-resistant)  
Base: Ceramic Tile  
Wall Finish: GWB/4'-0" Ceramic Wainscot  
Ceiling: Acoustical Tile/Special-Faced  
Ceiling Height: 8'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: 18  
Doors: 3'-0" x 7'-0" wood or metal, louver as required.  
Windows: None

### HVAC:

Temperature:  
    Summer: -  
    Winter: 82  
Min. Air Changes/Hour: 10, (100% Exhaust)  
Min. % Outside Air: -  
Pressure: Negative  
% Filtration: -  
Noise Criteria: 40  
A/C Loads:  
    Lights: -  
    Equipment: -  
    People: -

### Electrical:

Lighting Levels:  
    Gen. Illum: 30fc  
Emergency Power: -

## Visitor's Toilets 17-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						WHEELCHAIR WATER CLOSETS WILL BE IN ACCORDANCE WITH THE APPROPRIATE SPACE PROGRAM. P-103 WILL BE USED FOR BOTH CONVENTIONAL AND WHEELCHAIR INSTALLATIONS
P-103	1	1			CC	WATER CLOSET, WALL HUNG (PG-18-1, MCS 15450)
	AR	AR			CC	BAR, GRAB FOR WATER CLOSET (PG-18-1, MCS 10800)
	1	1			CC	DISPENSER, TOILET TISSUE, DOUBLE ROLL (PG-18-1, MCS 10800)
P-413	1	1			CC	LAVATORY COUNTER MOUNTED, 19" DIAMETER WRIST BLADE HANDLES, GOOSENECK SPOUT (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			CC	RECEPTACLE, ELECTRICAL, 120 VOLT, 20 AMP WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1, MCS 16140)
	1	1			CC	MIRROR, WHEELCHAIR, 24" W X 36"H (PG-18-1, MCS 10800; PG-18-4, SD 10800-7.DWG)
	1	1			CC	LIGHT, OVER MIRROR (PG-18-1, MCS 16510)
	1	1			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)

**TABLE IV-27  
VISITOR'S TOILETS**

# Dining Room 18

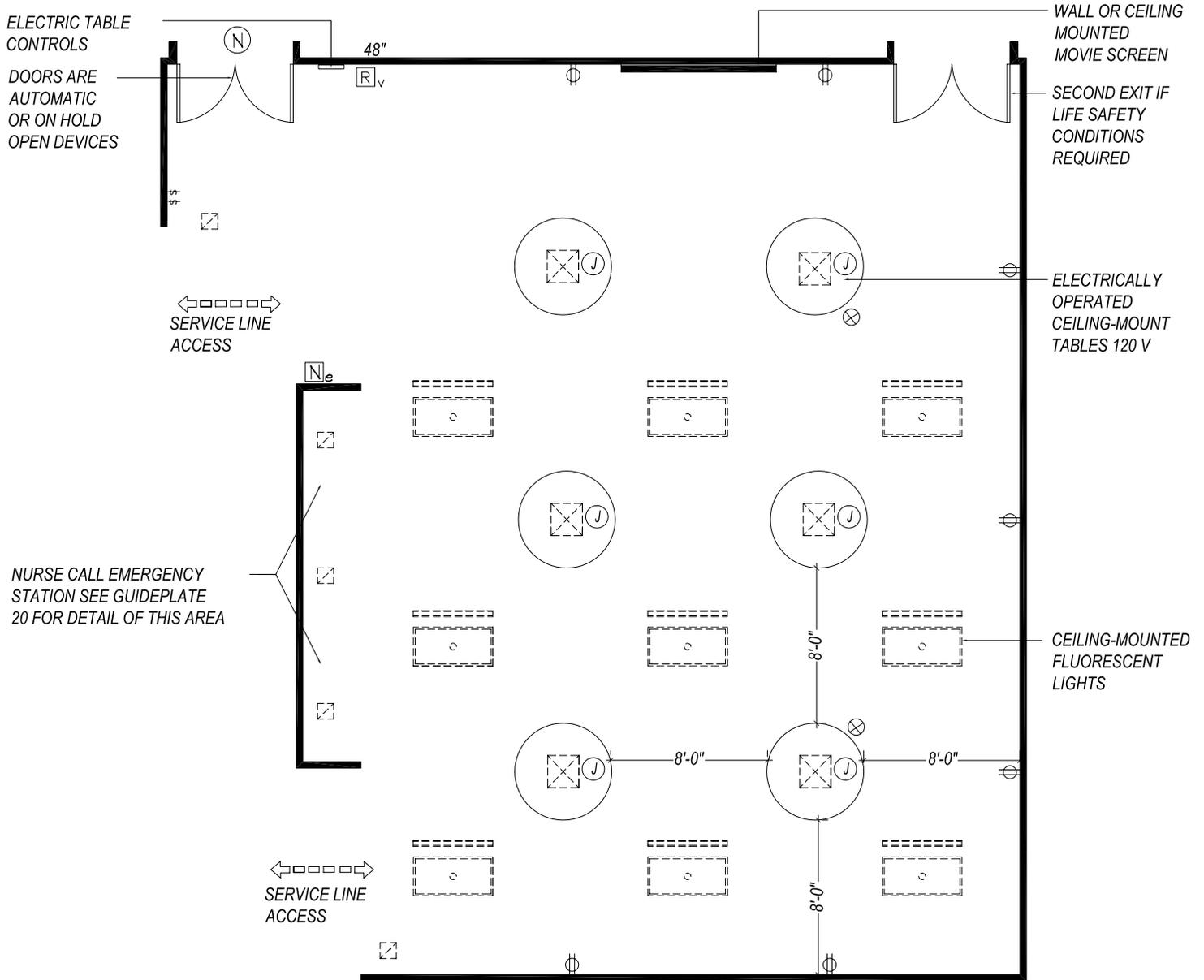
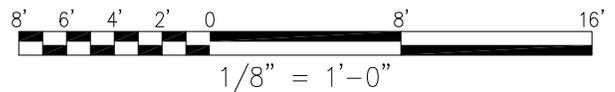


Figure IV-26

Exterior Access to a picnic area is desirable.



## Dining Room 18

### Function:

This space is intended to accommodate a 30 Bed Unit with each meal served in one shift, or two 30 Bed Units with each meal served in two shifts. Peak usage is during the afternoon and evening meals. It is desirable to have this space adjacent and openable to the Multi-purpose Recreation Space to accommodate unusually large gatherings.

### Space Requirement:

1,600 NSF

### Architectural:

Finish Code: 1-G  
 Floor Finish: Vinyl Composition Tile  
 Base: Vinyl  
 Wall Finish: GWB/Vinyl Fabric Wallcover  
 Ceiling: Acoustical Tile  
 Ceiling Height: 9'-0"  
 Noise (STC Rating): 35  
 Slab Depression: None  
 Special Construction: -  
 Hardware: 82  
 Doors: 2@3'-0" x 7'-0" wood or metal, upper half=laminated safety glass.  
 Windows: Very desirable, see PG-18-3, Topic 1, Codes and Standards.

### HVAC:

Temperature:  
 Summer: 72@50%RH  
 Winter: 82@30%RH  
 Min. Air Changes/Hour: None (see HVAC Note 3)  
 Min. % Outside Air: 15%  
 Pressure: (0)  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: 40  
 A/C Loads:  
 Lights: 1560w  
 Equipment: 750w  
 People: 3750w, sensible  
 4750w, latent

### Electrical:

Lighting Levels:  
 Three Level Illumination:  
 High: 30fc  
 Med: 20fc  
 Low: 10fc  
 Emergency Power:  
 Two Ceiling Lights  
 Night Lights

## Dining Room 18

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	AR	AR			VV	CHAIR, DINING, APPROX. 18"W X 18"D
	AR	AR			CC	TABLE, SUSPENDED, 60" DIAMETER (SEE ARCHITECTURAL AND ELECTRICAL SERVICE FOR REQUIREMENTS FOR SUSPENDED TABLE)
	1	1			VV	CLOCK, BATTERY OPERATED
	1	1			CC	SPEAKER, WITH CHANNEL SELECTOR AND VOLUME CONTROL, HOSPITAL RADIO SYSTEM (PG-18-1, MCS 16771)
	1	1			CC	SCREEN, PROJECTION, CEILING MOUNTED, 70" X 70" (PG-18-1, MCS 11131)
	1	1			CC	CALL, NURSES- EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-28  
DINING ROOM**

# Mobile Serving Line 19

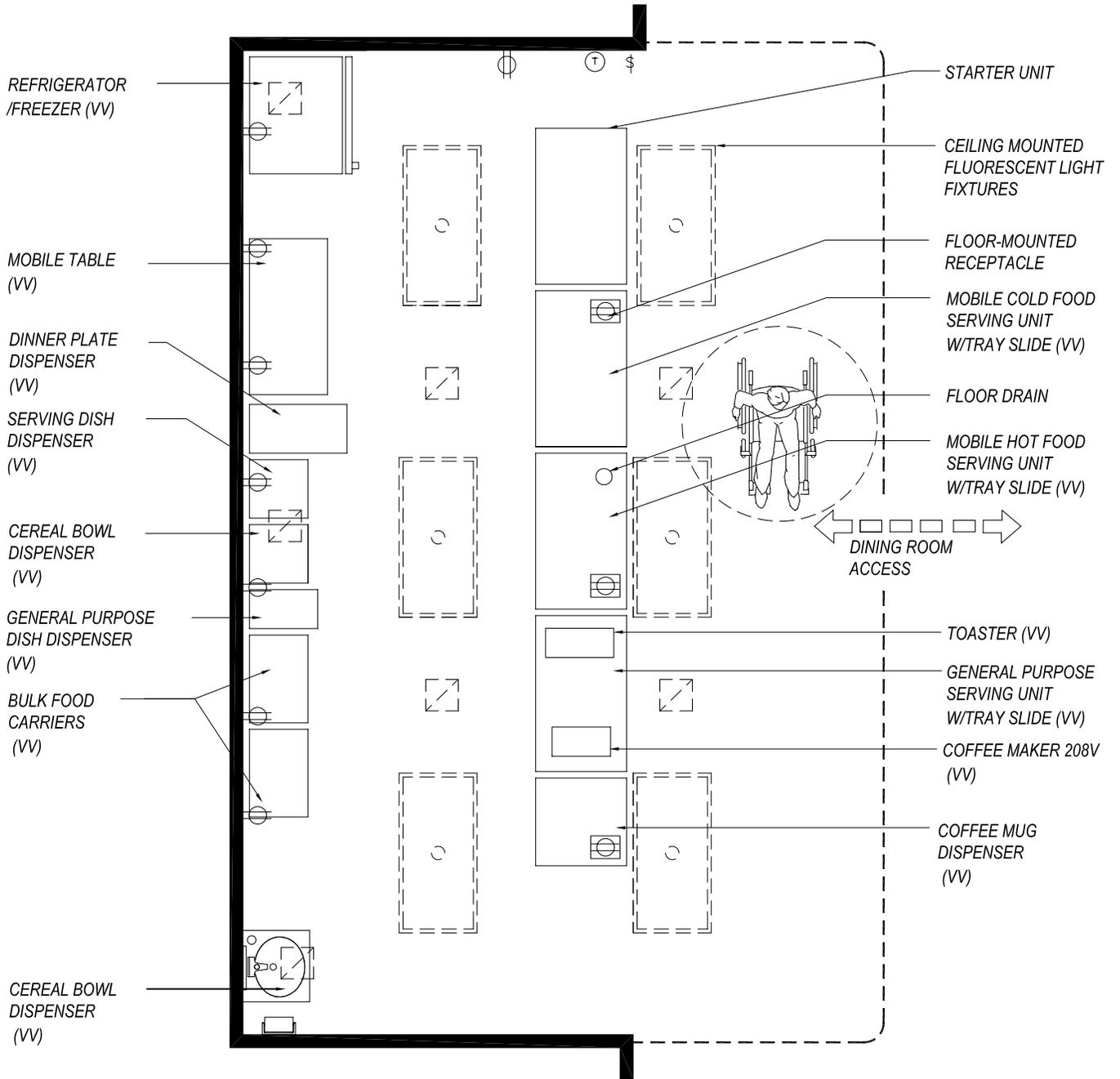
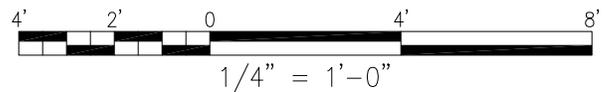


Figure IV-27



## Mobile Serving Line 19

### Function:

This space is intended to provide a cafeteria-like serving line that patients pass through to select their food. The patients' selections are then placed on a tray (by staff) and carried to their table. Food is prepared in bulk and brought here from the main Dietetics department. Virtually all equipment is portable. Intended for the service of 60 or less patients.

### Space Requirement:

400 NSF

### Architectural:

Finish Code:	3-A
Floor Finish:	Quarry Tile (slip-resistant)
Base:	Quarry Tile
Wall Finish:	Ceramic Tile
Ceiling:	Acoustical Tile/Special-Faced
Ceiling Height:	9'-0"
Noise (STC Rating):	45
Slab Depression:	4" Quarry Tile with slope to drain.
Special Construction:	-
Hardware:	-
Doors:	None
Windows:	None

### HVAC:

Temperature:	
Summer:	78@50%RH
Winter:	72@30%RH
Min. Air Changes/Hour:	None (see HVAC Note 3)
Min. % Outside Air:	15%
Pressure:	(0)
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	45
A/C Loads:	
Lights:	900w
Equipment:	12000w, sensible 6000w, latent
People:	900w, sensible 950w, latent

### Electrical:

Lighting Levels:	
Gen. Illum:	70fc
Emergency Power:	
Refrigerator/Freezer	
Two Ceiling Lights	
One Receptacle	

## Mobile Serving Line 19

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
K9412	2	2			VV	CONVEYOR, HOT OR COLD FOOD, MOBILE, 120 VOLT, 20 AMP, 18"W X 29"D X 33"H
	1	1			CC	DRAIN, FLOOR (PLUMBING DESIGN CRITERIA AND INSTRUCTIONS)
K9021	1	1			VV	TOASTER, AUTOMATIC POP-UP, 400 SLICES PER HOUR, 12"W X 22"D X 18"H
K9580	1	1			VV	REFRIGERATOR, 12 CU. FT. WITH FREEZER SECTION, DOMESTIC TYPE, 40"W X 32"D X 67"H, 120 VOLT, 20 AMP
	1	1			VV	TABLE, MOBILE, 30" X 36" X 34"
K9213	1	1			VV	DISPENSER, DINNER PLATE, 120 PLATES, 2 STACKS, HEATED, MOBILE, 15"W X 28"D X 36"H
K9223	1	1			VV	DISPENSER, GENERAL PURPOSE PLATE, 180 PLATES, 2 STACKS, MOBILE, 11"W X 21"D X 36"H
K9200	1	1			VV	DISPENSER, CEREAL OR BOWL, 144 PIECES, 4 STACKS, UNHEATED MOBILE, 20"W X 20"D X 36"H
K9218	1	1			VV	DISPENSER, FOOD SERVING DISH, 268 DISHES, 4 STACKS, HEATED, MOBILE 20"W X 20"D X 36"H
P-403	1	1			CC	LAVATORY, STRAIGHT BACK, FOOT PEDAL CONTROL, 20" X 18" AND 3 1/2" APRON (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED
K9209	1	1			VV	DISPENSER, MUG, HEATED, MOBILE, 27"W X 27"D X 36"H
K9402	1	1			VV	STARTER UNIT, MOBILE, FOR NAPKINS, CONDIMENTS AND SILVERWARE, 58"W X 18"D X 64"H
	1	1			VV	COFFEE MAKER, 120 VOLT, 20 AMP
K9202	1	1			VV	DISPENSER, TRAY, MOBILE, 18"W X 30"D X 36"H
	1	1			VV	COUNTER, COLD FOOD, MOBILE, WITH TRAY SLIDE
	1	1			VV	COUNTER, HOT FOOD, MOBILE, WITH TRAY SLIDE
	1	1			VV	COUNTER, GENERAL PURPOSE, WITH TRAY SLIDE
	AR	AR			CC	RECEPTACLE, ELECTRICAL, 120 VOLT, 20 AMP, FLOOR, CAPPED FOR COUNTERS (PG-18-1, MCS 16140)

**TABLE IV-29  
MOBILE SERVING LINE**

Dishwash 20-A

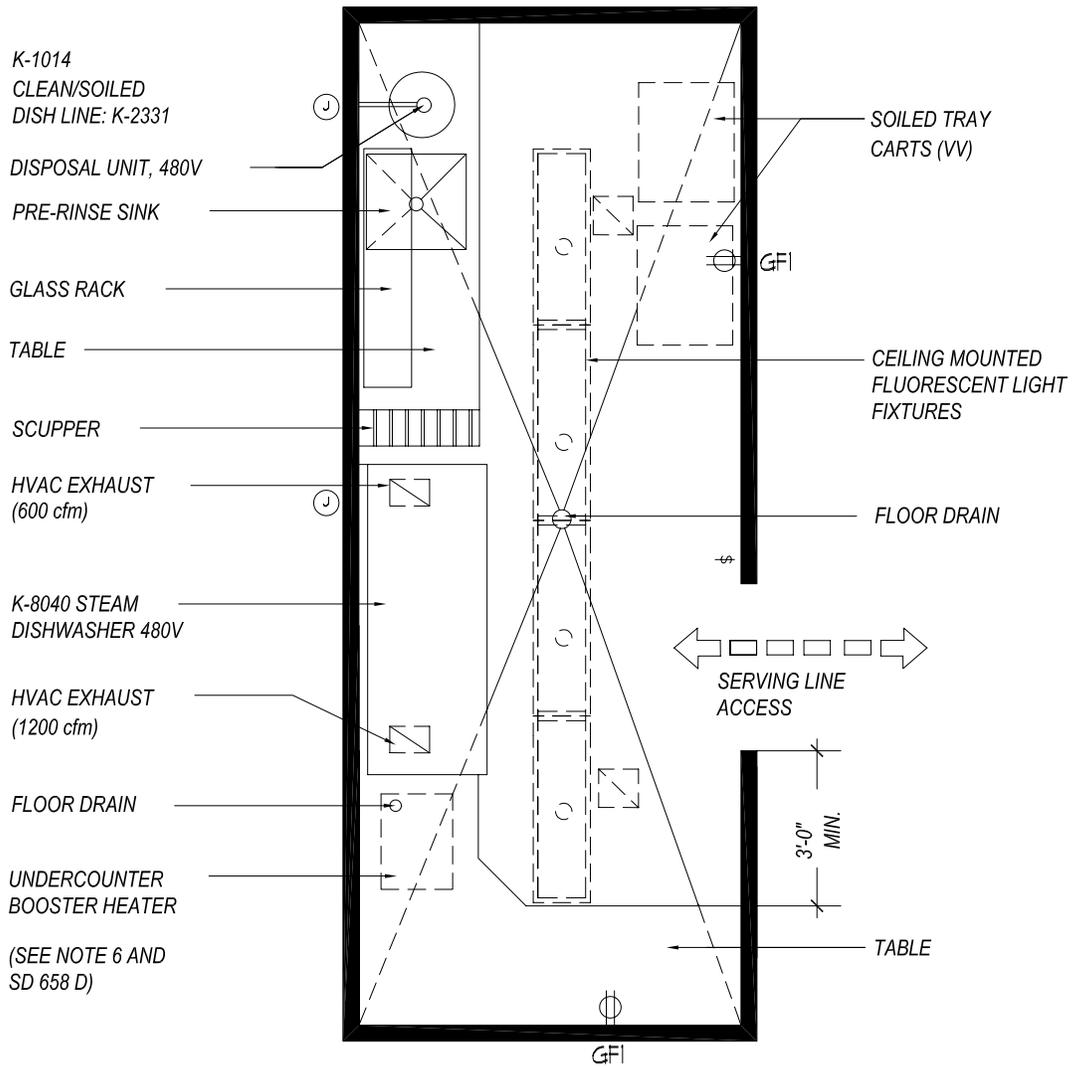
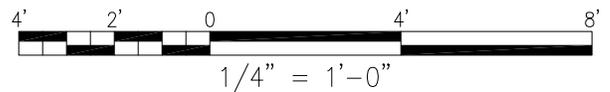


Figure IV-28



## Dishwash 20-A

### Function:

This space is intended to be contiguous to a Full Serving Line in order to allow the maintenance of dinnerware to be localized.

This space is required when there are more than 60 SCI beds.

### Space Requirement:

200 NSF

### Architectural:

Finish Code: 3-A  
Floor Finish: Quarry Tile (slip-resistant)  
Base: Quarry Tile  
Wall Finish: Ceramic Tile  
Ceiling: Acoustical Tile/Special-Faced  
Ceiling Height: 9'-0"  
Noise (STC Rating): 45  
Slab Depression: 4" quarry tile, with slope to drain.  
Special Construction: -  
Hardware: Cased opening only  
Doors: -  
Windows: None

### HVAC:

Temperature:  
    Summer: 82  
    Winter: 70  
Min. Air Changes/Hour: 1800cfm Exhaust, see HVAC Note 3.  
Min. % Outside Air: -  
Pressure: Negative  
% Filtration: 30%(PF)  
Noise Criteria: 50  
A/C Loads:  
    Lights: -  
    Equipment: -  
    People: -  
Steam: See HVAC Note 5

### Electrical:

Lighting Levels:  
    Gen. Illum: 50fc  
Emergency Power: -

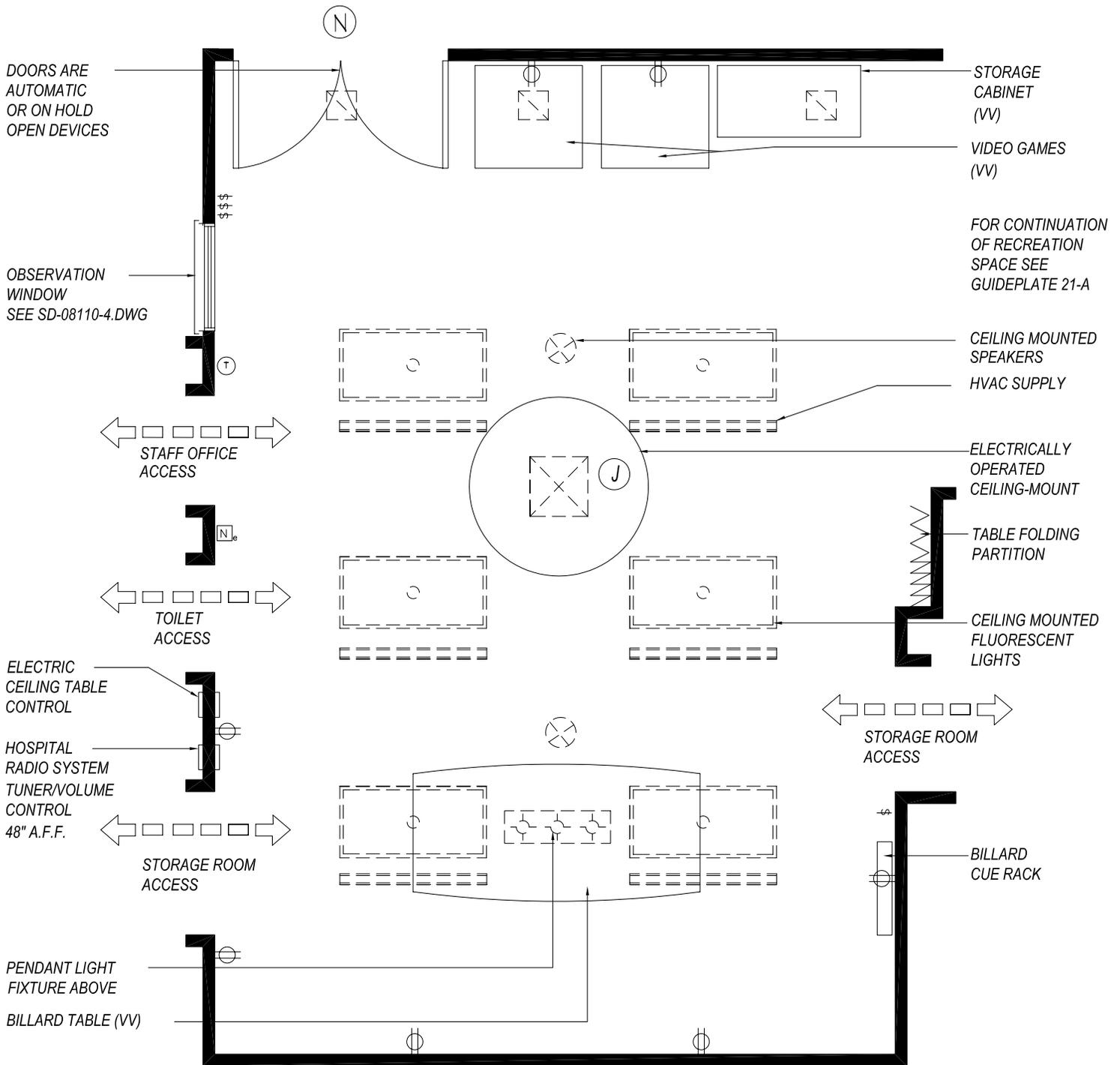
## Dishwash 20-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
K1014	AR	AR			CC	TABLES, SOILED AND CLEAN WITH SINK (FOR USE WITH RACK MACHINE) AR X 30"D X AR (PG-18-1, MCS 11401)
K8040	1	1			CC	DISHWASHING MACHINE, DOUBLE TANK, RACK CONVEYOR, 235 RACKS PER HOUR, WITH HOT WATER BOOSTER HEATER, 78" W X 32" D X 57"H (H-08-1, MCS 11411)
	2	2			VV	CART, SOILED TRAY
	AR	AR			CC	RECEPTACLE, ELECTRICAL, 120 VOLT, 20 AMP WITH GROUND FAULT INTERRUPTER (PG-18-1, MCS 16140)
	2		2		CC	DRAIN, FLOOR (PLUMBING DESIGN CRITERIA AND INSTRUCTIONS)

**TABLE IV-30  
DISHWASH**

## Multipurpose Recreational Therapy 21



Access to an outdoor recreational area is desirable. Room size is variable, see project-specific program for actual size.

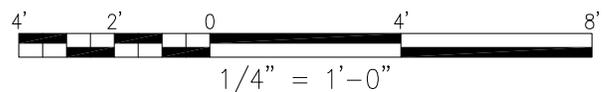


Figure IV-29

## Multipurpose Recreational Therapy 21

### Function:

This space is intended to accommodate a wide variety of recreational activities including traditional and adaptive versions (sip/puff). This is supervised activity intended to assist the SCI patient in maintaining his or her spirit while adjusting to their disability.

This space should be adjacent and openable to the Dining Room.

### Space Requirement:

0-30 Beds: 800 NSF  
 31-60 Beds: 1100 NSF  
 60 or more: 1400 NSF

### Architectural:

Finish Code: 1-G  
 Floor Finish: Vinyl Composition Tile  
 Base: Vinyl  
 Wall Finish: GWB/Vinyl Fabric Wallcover  
 Ceiling: Acoustical Tile  
 Ceiling Height: 10'-0"  
 Noise (STC Rating): 45  
 Slab Depression: None  
 Special Construction: -  
 Hardware: 82  
 Doors: 2@3'-0" x 7'-0" wood or metal, upper half=laminated safe glass.  
 Windows: Desirable, see PG-18-3, Topic 1, Codes and Standards.

### HVAC:

Temperature:  
 Summer: 72@50%RH  
 Winter: 82@30%RH  
 Min. Air Changes/Hour: None (see HVAC Note 3)  
 Min. % Outside Air: 15%  
 Pressure: (0)  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: 40  
 A/C Loads:  
 Lights: 900w  
 Equipment: 500w  
 People: 1200w, sensible  
 1200w, latent

### Electrical:

Lighting Levels:  
 Three Level Illumination:  
 High: 50fc  
 Med: 30fc  
 Low: 15fc  
 Emergency Power:  
 One Ceiling Light  
 Nurse Call



## Multipurpose Recreational Therapy 21

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	1			CC	DOOR, FOLDING
	1	1			VV	TABLE, POOL
	1	1			CC	FIXTURE, LIGHTING, FLUORESCENT, DROP TYPE, OVER POOL TABLE (PG-18-1, MCS 16510)
	1	1			VV	RACK, CUE, WALL MOUNTED
	AR	AR			VV	TABLE, PING PONG, PORTABLE
	AR	AR			VV	CHAIR, STACKING
	1	1			VV	BULLETIN BOARD, 48" W X 36"H
	AR	AR			VV	SHUFFLEBOARD TABLE 24"W X 96"L X 36"H
	AR	AR			VV	TABLE, GAME, PORTABLE, ELECTRONIC, 120 VOLT, 20 AMP
	AR	AR			VV	TABLE, GAME
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			VV	CLOCK, BATTERY OPERATED
	1	1			CC	TABLE, SUSPENDED, 60" DIAMETER  (SEE ARCHITECTURAL AND ELECTRICAL SERVICE FOR REQUIREMENTS FOR SUSPENDED TABLE)
	AR	AR			CC	CEILING SPEAKERS, WITH CHANNEL SELECTOR AND VOLUME CONTROL, HOSPITAL RADIO SYSTEM (PG-18-1, MCS 16771)

**TABLE IV-31  
MULTIPURPOSE RECREATIONAL THERAPY**

## Multipurpose Recreational Therapy (Self-Directed) 21-A

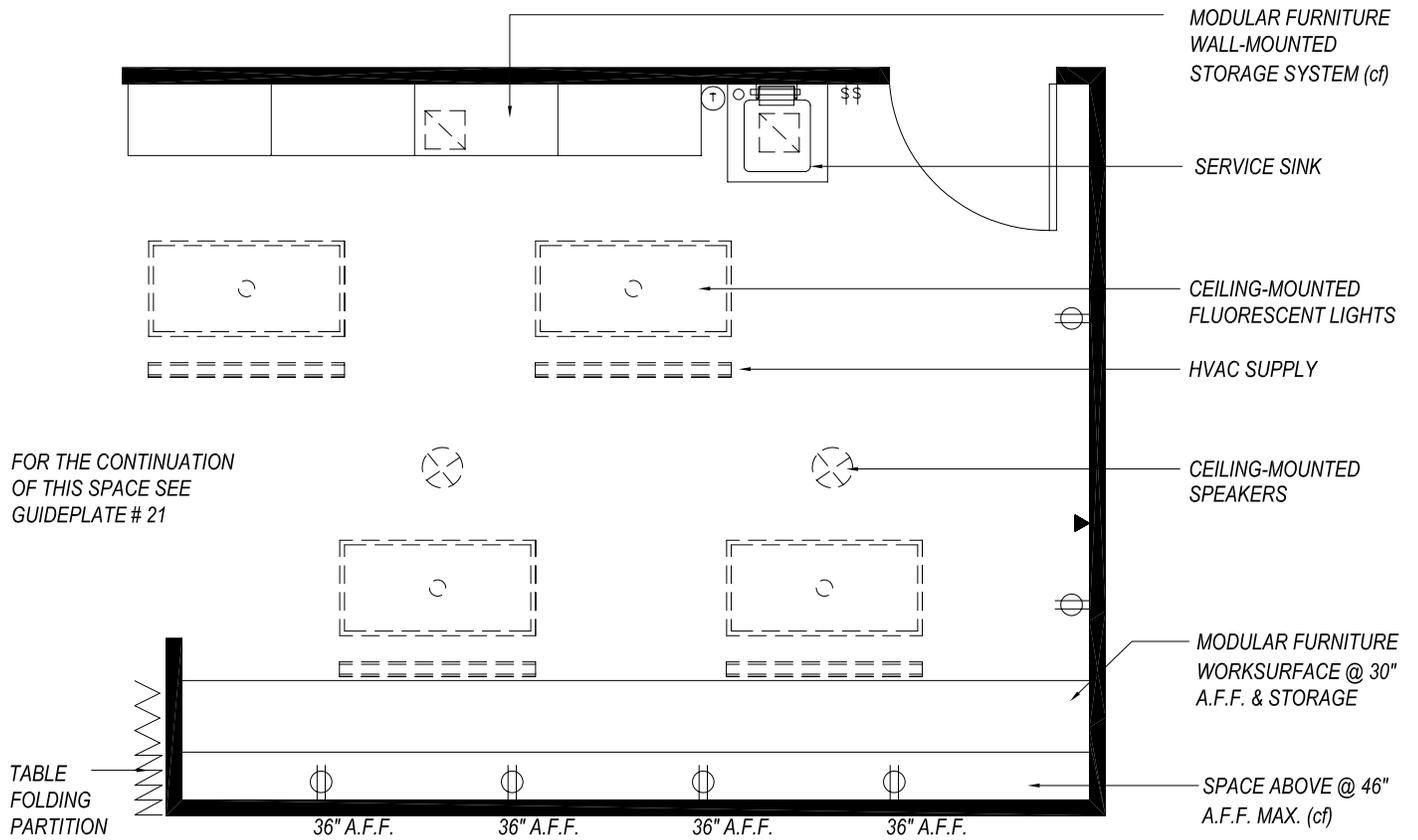
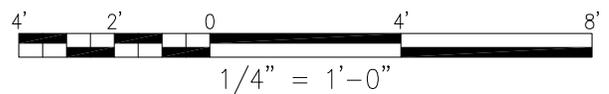


Figure IV-30



## Multipurpose Recreational Therapy (Self-Directed) 21-A

### Function:

This is the portion of the Recreation space that is available for self-directed activities such as discussion groups or hobby clubs.

### Space Requirement:

Included in space shown on Data Sheet #21.

### Architectural:

Finish Code: 1-G  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: GWB/Vinyl Fabric Wallcover  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-0"  
Noise (STC Rating): 45  
Slab Depression: None  
Special Construction: -  
Hardware: 69  
Doors: 4'-0" x 7'-0" wood or metal, optional glass view panel.  
Windows: Desirable

### HVAC:

Temperature:  
Summer: 72@50%RH  
Winter: 82@30%RH  
Min. Air Changes/Hour: None, (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: (0)  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
Lights: 600w  
Equipment: 600w  
People: 800w, sensible  
1040w, latent

### Electrical:

Lighting Levels:  
Two-Level Fluorescent Illumination:  
High: 50fc  
Low: 30fc  
Emergency Power: -

## Multipurpose Recreational Therapy (Self-Directed) 21-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	AR	AR			VV	RECEPTACLE, WASTE, COVERED
	1	1			CF	MODULAR FURNITURE: WALL MOUNTED STORAGE SYSTEM, WORKSURFACE @ 30" A.F.F. STORAGE ABOVE WORKSURFACE AT 46" A.F.F.
P-501	1	1			CC	SINK, SERVICE, REGULAR, 24" X 20" WITH A 9" TO 12" RAISED BACK (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
						CEILING SPEAKERS

**TABLE IV-32  
MULTIPURPOSE RECREATIONAL THERAPY (SELF-DIRECTED)**

# Greenhouse 21-B

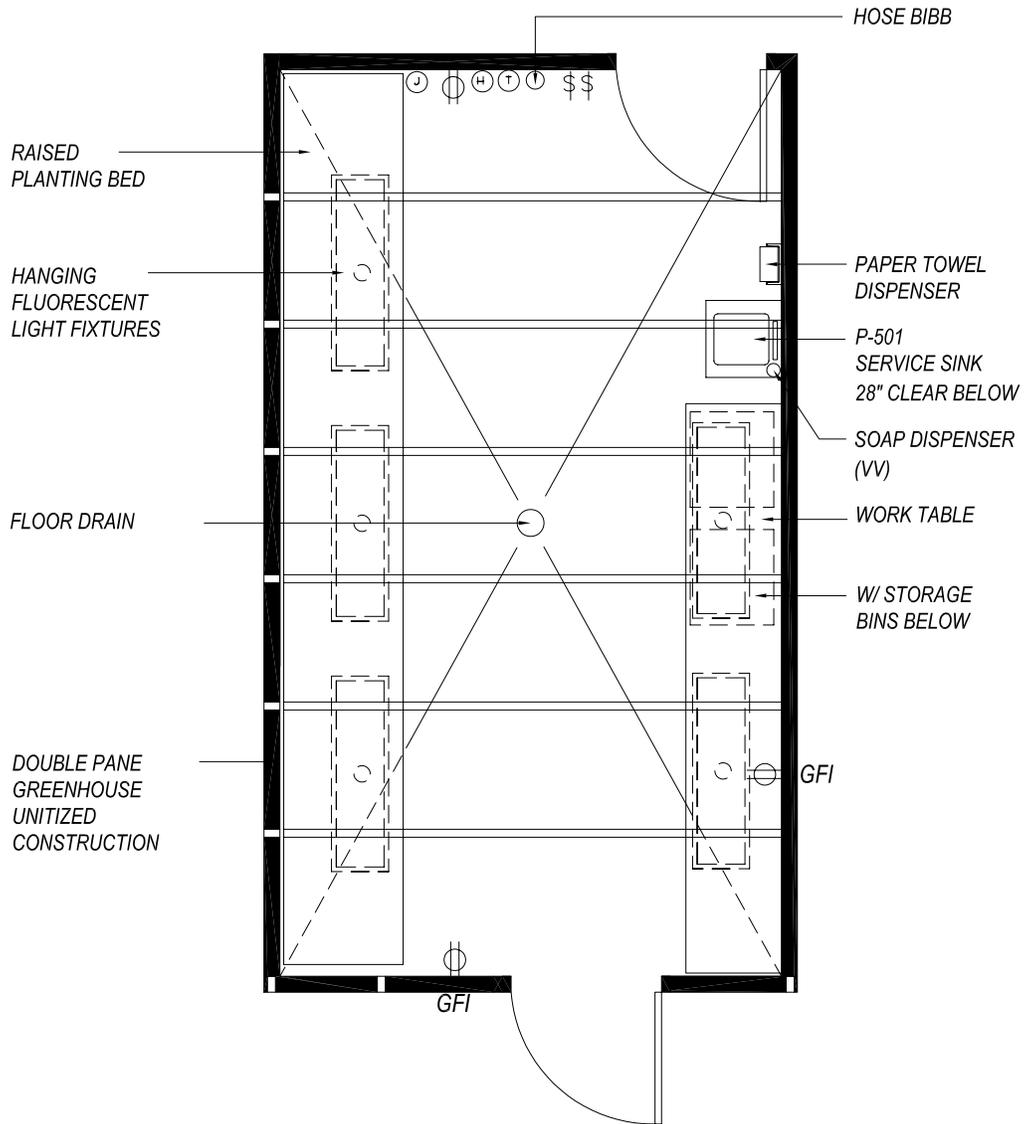
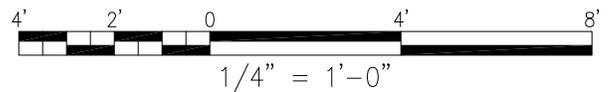


Figure IV-31

Room size is variable, see project-specific program for actual size.



## **Greenhouse 21-B**

### **Function:**

This space is intended to accommodate a small group of patients performing simple gardening activities under the supervision of the recreation therapist. This space is to be accessed through the Multipurpose Recreation Room. This may also be a stand-alone facility integrated into the outdoor recreation area.

### **Space Requirement:**

30 Beds: 200 NSF  
31-60 Beds: 300 NSF  
60 or more Beds: 400 NSF

### **Architectural:**

Finish Code: N/A  
Floor Finish: Concrete  
Base: None  
Wall Finish: Unitized Greenhouse  
Ceiling: Construction with double pane  
Ceiling Height: Glazing and integral venting  
Noise (STC Rating): N/A  
Slab Depression: None  
Special Construction: -  
Hardware: 23 (interior) 45 (exterior)  
Doors: 3'-6" x 7'-0" metal, optional wireglass view panel.  
Windows: Integral to Greenhouse Construction

### **HVAC:**

Greenhouse shall come complete with necessary heating, ventilation, and humidification equipment and controls to suit local conditions.

Noise Criteria: 40

### **Electrical:**

Lighting Levels:  
Gen. Illum: 50fc  
Emergency Power: -

## Greenhouse 21-B

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	AR	AR			VV	PLANTING BED, WOOD, 30"D X 29"H X LENGTH AS REQUIRED
	AR	AR			CC	LIGHT, FLUORESCENT, HANGING FIXTURES OVER PLANTING BED (PG-18-1, MCS 16510)
	AR	AR			VV	TABLE, WORK, WOOD WITH BULK STORAGE BINS BELOW, 24"D X 29"H X LENGTH AS REQUIRED
P-501	1	1			CC	SINK, SERVICE, REGULAR, 24" X 20" WITH A 9" TO 12" RAISED BACK (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			CC	DRAIN, FLOOR (PLUMBING DESIGN CRITERIA AND INSTRUCTIONS)
P-802	1	1			CC	HOSE BIBB, COMBINATION FAUCET, WALL MOUNTED TO CONCEALED SUPPLY PIPES (PG-18-1, MCS 15450)

**TABLE IV-33  
GREENHOUSE**

## Building Management Storage 22

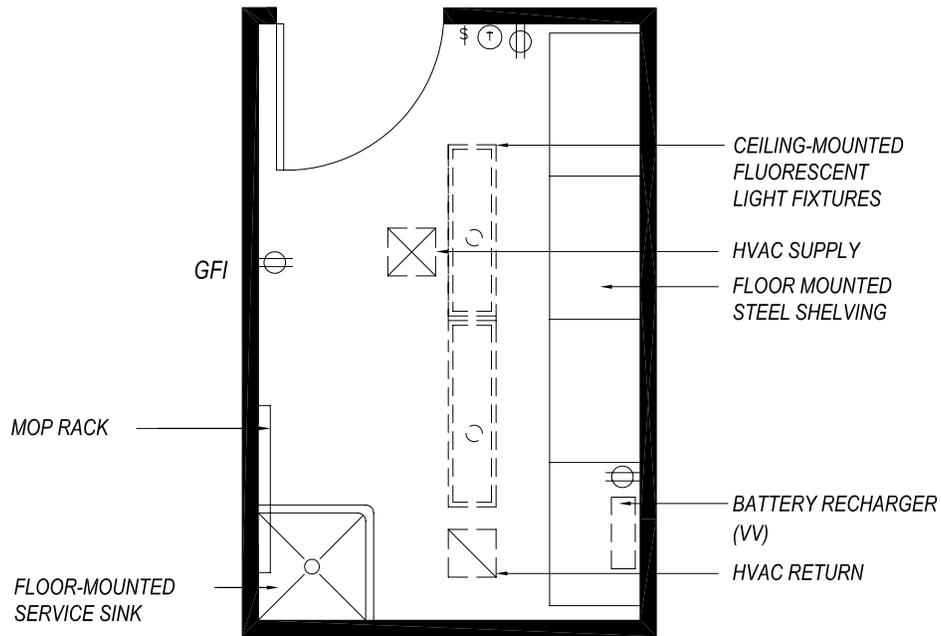
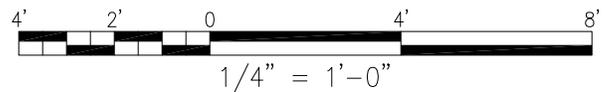


Figure IV-32



## Building Management Storage 22

### Function:

This space is intended for the storage of bulk maintenance supplies and large equipment used for environmental sanitation.

### Space Requirement:

100 NSF/Floor

### Architectural:

Finish Code: 8-F  
Floor Finish: Latex Mastic or Resil. Sheet\*\*  
Base: Latex Mastic or Resil. Sheet\*\*  
Wall Finish: Veneer Plaster\*  
Ceiling: Acoustical Tile/Special-Faced  
Ceiling Height: 9'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: 13  
Doors: 3'-8" x 7'-0" wood or metal, louver as required.  
Windows: None

\*Special Coating, see Mspec #09815

\*\*Heat Welded Seams, see Mspec #09666

### HVAC:

Temperature:  
Summer: -  
Winter: 72  
Min. Air Changes/Hour: 10 (Exhaust 100%)  
Min. % Outside Air: -  
Pressure: Negative  
% Filtration: -  
Noise Criteria: 40  
A/C Loads:  
Lights: -  
Equipment: -  
People: -

### Electrical:

Lighting Levels:  
Gen. Illum: 20fc  
Emergency Power: -

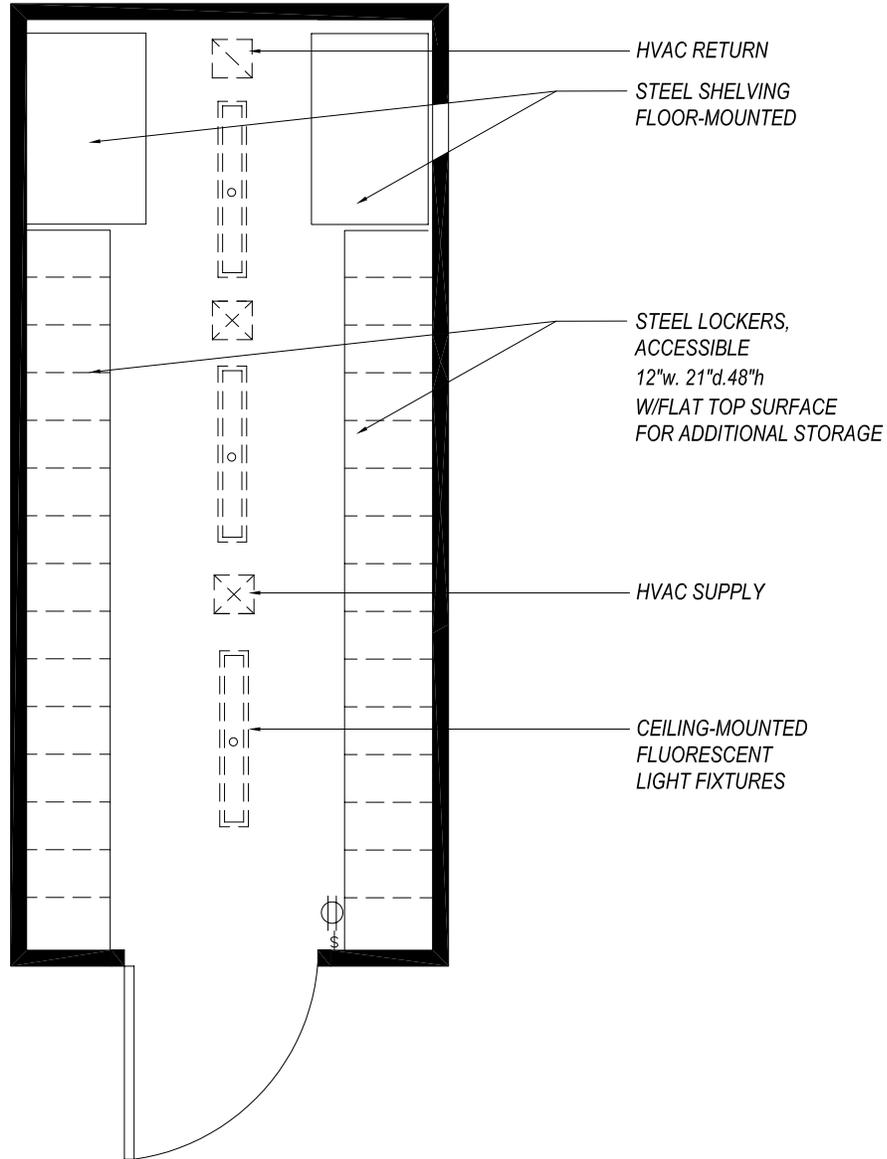
## Building Management Storage 22

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
P-502	1	1			CC	SINK, SERVICE, FLOOR MOUNTED, CORNER TYPE, 28"W X 28"D X 8" H APRON (PG-18-1, MCS 15450)
T-7B	1	1			CC	SHELVING, WALL HUNG, STEEL, WITH 2 ADJUSTABLE SHELVES, 2 DOORS WITH LOCK, 36"W X 16"D X 48"H (PG-18-1, MCS 10671)
T-6B	3	3			CC	SHELVING, FLOORSTANDING, STEEL, WITH SLOPING TOP AND 5 ADJUSTABLE SHELVES, 36" W X 22" D X 84"H (PG-18-1, MCS 12301)
	1	1			VV	BATTERY CHARGER, 120 VOLT, 20 AMP
	1	1			CC	DRAIN, FLOOR (PLUMBING DESIGN CRITERIA AND INSTRUCTIONS)
	1	1			CC	RECEPTACLE, ELECTRICAL, 120 VOLT, 20 AMP WITH GROUND FAULT INTERRUPTER (PG-18-1, MCS 16140)
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (H-08-1, MCS 16140)

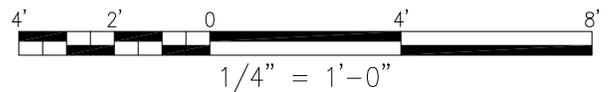
**TABLE IV-34  
BUILDING MANAGEMENT STORAGE**

## Patient Clothing & Luggage Storage 22-A



ROOM SIZE IS VARIABLE, SEE PROJECT-SPECIFIC PROGRAM FOR ACTUAL SIZE

Figure IV-33



## Patient Clothing & Luggage Storage 22-A

### Function:

This space is to accommodate SCI patient's seasonal clothing and luggage storage. This space is to be wheelchair accessible.

### Space Requirement:

6 NSF/Bed, Long Term Beds only.

### Architectural:

Finish Code: 4D  
Floor Finish: Concrete  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Exposed  
Ceiling Height: 9'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: 13  
Doors: 4'-0" x 7'-0" wood or metal  
Windows: None

### HVAC:

Temperature:  
Summer: -  
Winter: 72  
Min. Air Changes/Hour: 4  
Min. % Outside Air: -  
Pressure: (0)  
% Filtration: -  
Noise Criteria:  
A/C Loads:  
Lights: 225w  
Equipment: 150w  
People: -

### Electrical:

Lighting Levels:  
Gen. Illum: 20fc  
Emergency Power: -

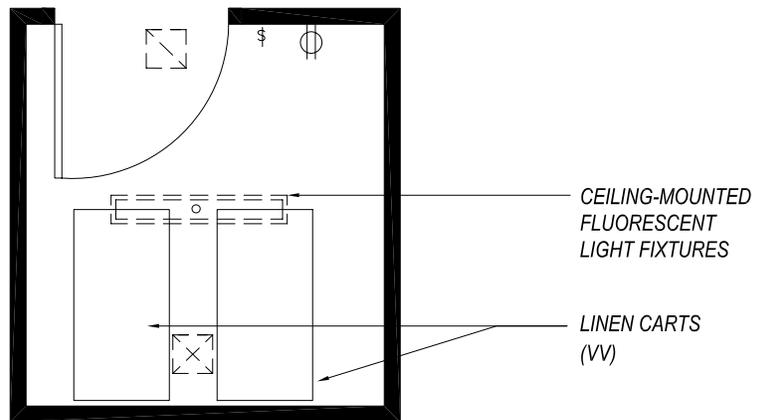
## Patient Clothing & Luggage Storage 22-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
T-35		AR			CC	SHELVING, FLOORSTANDING, STEEL, BAGGAGE, WITH 2 FIXED SHELVES AND TOP, 48"W X 30"D X 72"H (PG-18-1, MCS 10671)
T-A		AR			CC	LOCKER, STEEL, SLOPING TOP, 15"W X 18"D X 72"H (PG-18-1, MCS 10500)

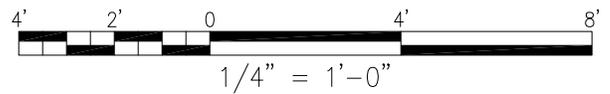
**TABLE IV-35  
PATIENT CLOTHING & LUGGAGE STORAGE**

## Linen Holding 23



ROOM SIZE IS VARIABLE, SEE PROJECT-SPECIFIC PROGRAM FOR ACTUAL SIZE

Figure IV-34



## Linen Holding 23

### Function:

This space provides a central holding area away from the Nursing Unit for both soiled and clean bulk linen. Always located on the ground floor, this space should be accessible from the outside for truck pickups. To be provided only when SCI is in a stand-alone configuration.

### Space Requirement:

1.2 NSF/Bed, 60 NSF Minimum

### Architectural:

Finish Code: 1P  
 Floor Finish: VCT  
 Base: Vinyl  
 Wall Finish: Veneer Plaster\*  
 Ceiling: Gypsum Wall Board/Paint  
 Ceiling Height: 9'-0"  
 Noise (STC Rating): N/A  
 Slab Depression: None  
 Special Construction: -  
 Hardware: 43  
 Doors: 3'-8" x 7'-0" metal  
 Windows: None  
 \*Special Coating, see Mspec #09815

### HVAC:

Temperature:  
 Summer: -  
 Winter: 72  
 Min. Air Changes/Hour: 12 (Exhaust 100%)  
 Min. % Outside Air: -  
 Pressure: Negative  
 % Filtration: -  
 Noise Criteria: 40  
 A/C Loads:  
 Lights: -  
 Equipment: -  
 People: -

### Electrical:

Lighting Levels:  
 Gen. Illum: 30fc  
 Emergency Power: -

## Linens Holding 23

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						LINEN HOLDING AREA
	1	1			VV	CARTS, SOILED, LINEN

**TABLE IV-36  
LINEN HOLDING**

## Unisex Patient Toilet 24

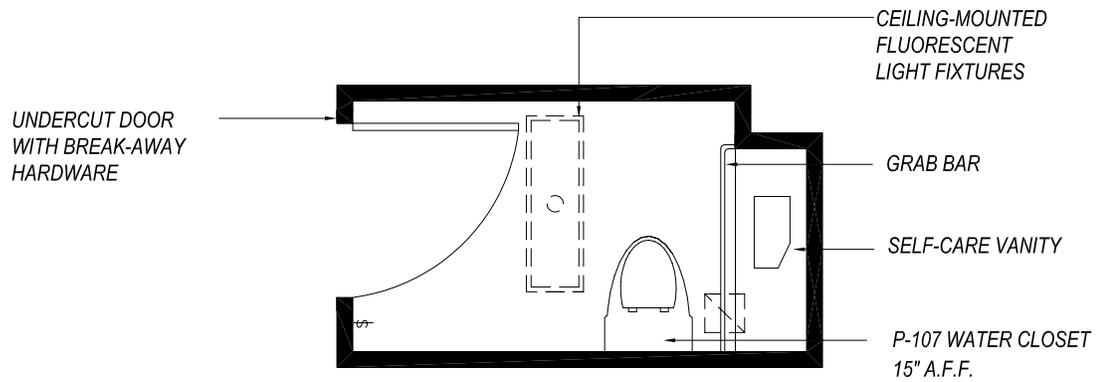
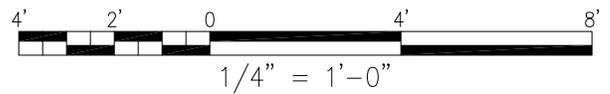


Figure IV-35



## Unisex Patient Toilet 24

### Function:

This space is intended to serve SCI Outpatients. A second toilet room (52 NSF) is required if a Lithotripsy/Cysto is included in the project.

### Space Requirement:

52 NSF

### Architectural:

Finish Code:	2-G
Floor Finish:	Ceramic Tile (slip-resistant)
Base:	Ceramic Tile
Wall Finish:	GWB/Ceramic Wainscot 4'-0"
Ceiling:	Acoustical Tile
Ceiling Height:	8'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	14
Doors:	3'-6" x 7'-0", wood or metal, undercut
Windows:	None Required

### HVAC:

Temperature:	
Summer:	-
Winter:	82
Min. Air Changes/Hour:	10 (Exhaust 100%)
Min. % Outside Air:	-
Pressure:	Negative
% Filtration:	-
Noise Criteria:	40
A/C Loads:	
Lights:	-
Equipment:	-
People:	-

### Electrical:

Lighting Levels:	
Gen. Illum:	30fc
Emergency Power:	
Ceiling Light	

## Unisex Patient Toilet 24

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						WHEELCHAIR WATER CLOSETS WILL BE IN ACCORDANCE WITH THE APPROPRIATE SPACE PROGRAM, AND WILL BE USED FOR BOTH CONVENTIONAL AND WHEELCHAIR INSTALLATIONS.
P-107	1				CC	WATER CLOSET, WALL HUNG (PG-18-1, MCS 15450)
	AR				CC	BAR, GRAB FOR WATER CLOSET (PG-18-1, MCS 10800; PG-18-4, SD 10162-1.DWG)
	1				CC	BACKREST, TOILET, ADJUSTABLE (PG-18-1, MCS 05500)
P-404	1				CC	LAVATORY, INTEGRAL WITH COUNTER TOP, WITH ELECTRONIC SENSOR CONTROL FAUCET, SPINAL CORD SELF CARE (PG-18-1, MCS 15450)
	1				CC	COUNTER FOR LAVATORY LAMINATED WOOD, WITH TWO STORAGE SHELVES, FLUSH VALVE FOR WATER CLOSET AND TOILET TISSUE DISPENSER
	1				CC	NURSE CALL-INSTALL AN EMERGENCY STATION WITH A PRESSURE ACTIVATED TOUCH PAD, PLASTIC VINYL COATED WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761; H-08-4, SD 10162-1.DWG)
	1				VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1				VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED
	1				VV	RECEPTACLE, WASTE 13" DIAMETER
	1				CC	MIRROR, 24"W X 24"H, WALL MOUNTED OVER LAVATORY (PG-18-1, MCS 10800)
	1				CC	SHELF, STORAGE, WALL MOUNTED ABOVE MIRROR (PG-18-1, MCS 10360)

**TABLE IV-37  
UNISEX PATIENT TOILET**

## On-Call 25

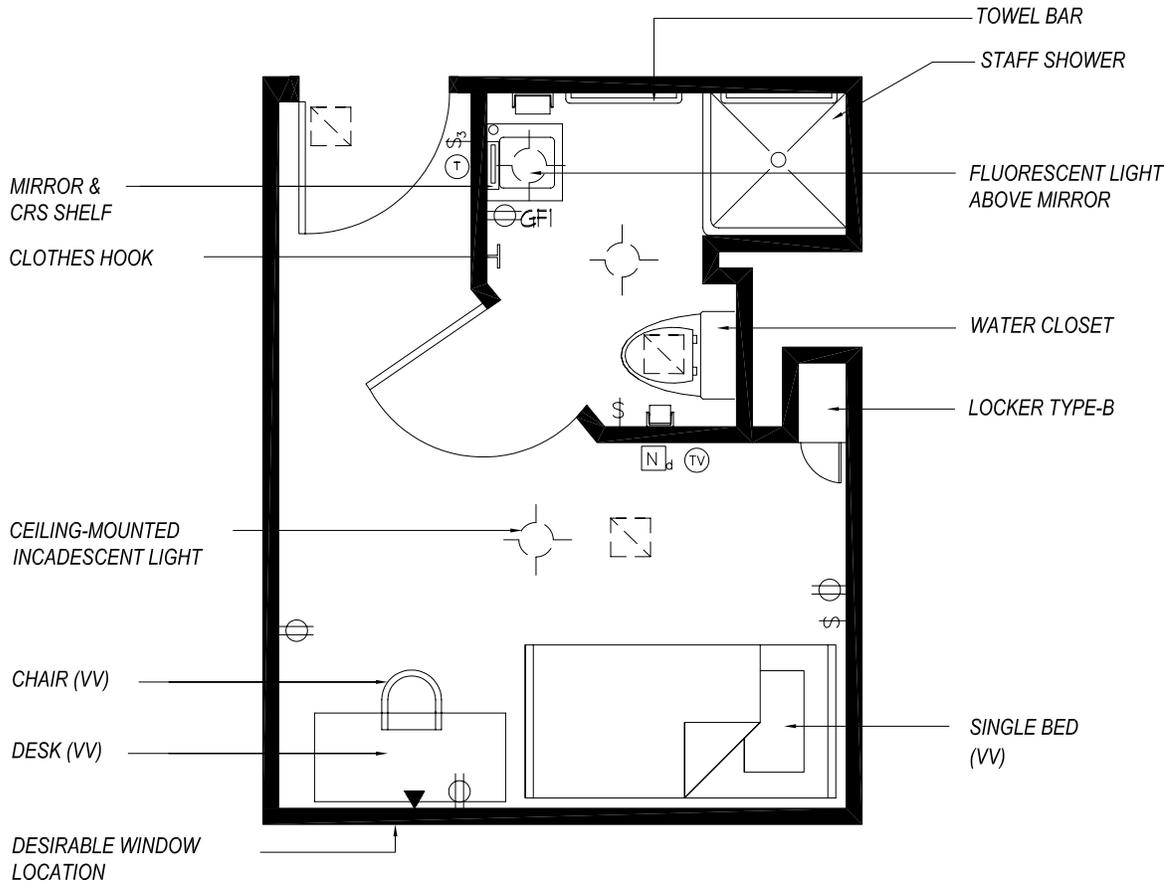
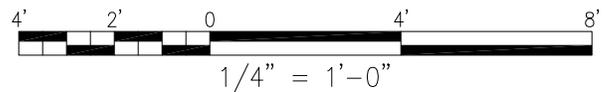


Figure IV-36



## On-Call Bedroom 25-A

### Function:

This space provides Living/Sleeping/Studying facilities for Physicians while on-call. It should be located near the Intensive Rehab/Sustaining Care Beds.

This space is provided only when there are 100 or more SCI beds.

### Space Requirement:

90 NSF

### Architectural:

Finish Code: 6-A  
Floor Finish: Carpet  
Base: Vinyl  
Wall Finish: GWB/Vinyl Fabric Wallcover  
Ceiling: Acoustical Tile  
Ceiling Height: 8'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: 19  
Doors: 3'-0" x 7'-0" wood or metal  
Windows: None

### HVAC:

Temperature:  
Summer: 78@50%RH  
Winter: 72@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15  
Pressure: (0)  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 35  
A/C Loads:  
Lights: 150w  
Equipment: 400w  
People: 75w, sensible  
75w, latent

### Electrical:

Lighting Levels:  
Gen. Illum: 10fc  
Emergency Power:  
Nurse Call

## On-Call Bedroom 25-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
T-B	1				CC	LOCKER, STEEL, SLOPING TOP, 12"W X 21"D X 72"H (PG-18-1, MCS 10500)
	1				VV	BED, SINGLE, WITH SPRING AND MATTRESS
	1				VV	DESK, WRITING APPROX, 48"W X 24"D X 29 ½"H
	1				VV	CHAIR, STRAIGHT
	1				CC	OUTLET, MASTER TELEVISION ANTENNA (PG-18-1, MCS 16781)
	1				VV	RUGS, TYPE AND SIZE AS REQUIRED
	1				CC	CALL, NURSES-STAFF STATION CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-38  
ON-CALL BEDROOM**

## On-Call Toilet/Shower 25-B

### Function:

This space is intended to support the On-Call Bedroom described on the previous sheet.

### Space Requirement:

45 NSF

### Architectural:

Finish Code: 2-G  
Floor Finish: Ceramic Tile (slip-resistant)  
Base: Ceramic Tile  
Wall Finish: GWB/4'-0" CT Wainscot  
Ceiling: Acoustical Tile\*  
Ceiling Height: 8'-0  
Noise (STC Rating): 30  
Slab Depression: @Shower, see SD-10800-2.DWG  
Special Construction: -  
Hardware: 18  
Doors: 3'-0" x 7'-0" wood  
Windows: None  
\*Shower will have full CT walls and Plaster Ceiling.

### HVAC:

Temperature:  
Summer: -  
Winter: 72  
Min. Air Changes/Hour: 10 (Exhaust 100%)  
Min. % Outside Air: -  
Pressure: Negative  
% Filtration: -  
Noise Criteria: 40  
A/C Loads:  
Lights: -  
Equipment: -  
People: -

### Electrical:

Lighting Levels:  
Gen. Illum: 30 fc  
Emergency Power: -

## On-Call Toilet/Shower 25-B

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						TOILET AND SHOWER
P-103	1				CC	WATER CLOSET, WALL HUNG (PG-18-1, MCS 15450)
	1				CC	DISPENSER, TOILET TISSUE, DOUBLE ROLL (PG-18-1, MCS 10800; H-08-4, SD 10162-1.DWG)
P-401	1				CC	LAVATORY, STRAIGHT BACK, 20" X 18" AND 3½" APRON (PG-18-1, MCS 15450)
	1				VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1				CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1				CC	LIGHT, OVER MIRROR (PG-18-1, MCS 16510)
	1				CC	MIRROR, 16" X 20", WITH INTEGRAL SHELF, OVER LAVATORY (PG-18-1, MCS 10800)
	1				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT., 20 AMP, WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1, MCS 16140)
P-702	1				CC	SHOWER BATH FIXTURE, WALL MOUNTED, CONCEALED SUPPLIES, PRESSURE BALANCING VALVE (PG-18-1, MCS 15450) PG-18-4, SD 10800-2.DWG)
	1				CC	SHOWER STALL (PG-18-1, MCS 10170; PG-18-4, SD 10800-2.DWG)
	1				CC	DISH, SOAP, SURFACE MOUNTED (PG-18-1, MCS 10800)
	1				CC	BAR, TOWEL (PG-18-1, MCS 10800)
	1				CC	HOOK, CLOTHES (PG-18-1, MCS 10800)

**TABLE IV-39  
ON-CALL TOILET/SHOWER**

## Physician's Office 26

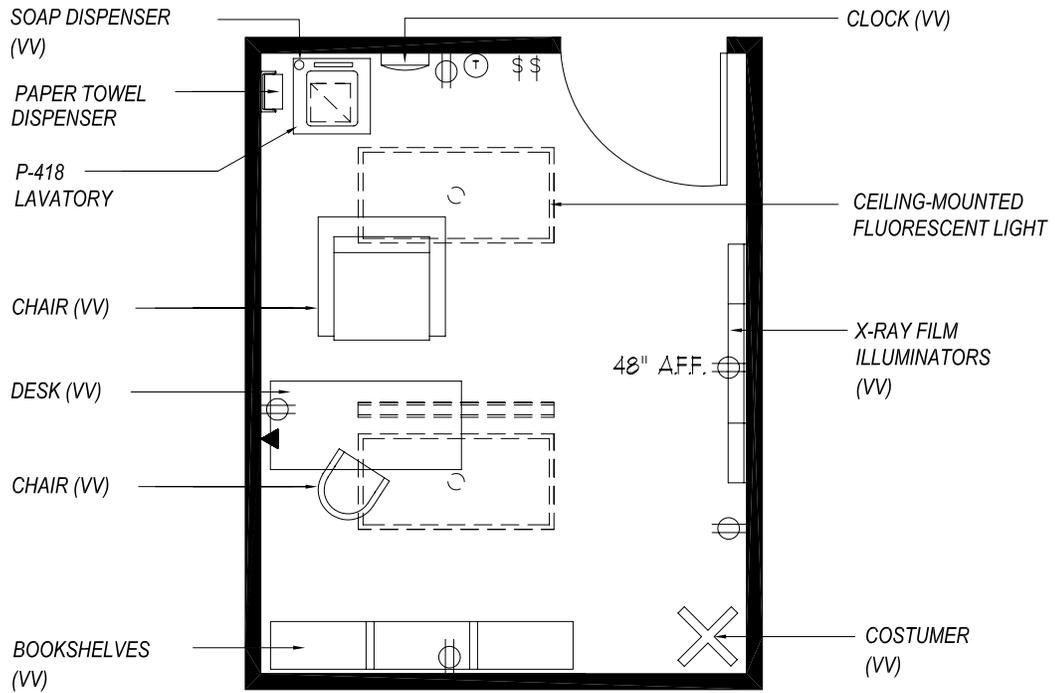
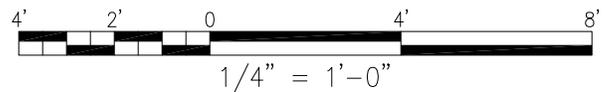


Figure IV-37



## Physician's Office 26

### Function:

This space is intended to accommodate Physicians and their private interactions with patients. It is to be part of the SCI Outpatient/GU Clinic.

### Space Requirement:

130 NSF

### Architectural:

Finish Code: 6-B  
Floor Finish: Carpet  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-0"  
Noise (STC Rating): 40  
Slab Depression: None  
Special Construction: -  
Hardware: 23  
Doors: 3'-0" x 7'-0" wood or metal  
Windows: Desirable, see PG-18-3, Topic 1, Codes and Standards.

### HVAC:

Temperature:  
    Summer: 78@50%RH  
    Winter: 72@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: (0)  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 35  
A/C Loads:  
    Lights: 300w  
    Equipment: 400w  
    People: 150w, sensible  
          150w, latent

### Electrical:

Lighting Levels:  
    Gen. Illum: 70fc  
Emergency Power: -

## Physician's Office 26

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1				VV	DESK, DOUBLE PEDESTAL APPROX 60"W X 30"D X 29 1/2 "H
	1				VV	CHAIR, ROTARY
	1				VV	CHAIR, STRAIGHT
	3				VV	BOOKCASE, SECTIONAL (EACH SECTION 33"W X 13"D X 15"H) WITH 10" H BASE
	1				VV	COSTUMER APPROX 12" X 12"
	4				VV	ILLUMINATOR X-RAY FILM WALL MOUNTED, 120 VOLTS, 150 WATTS, INDIVIDUAL SWITCH FOR TWO 14" X 17" RADIOGRAPHS, 31"W X 20"H
	1				CC	RECEPTACLE, ELECTRICAL, DUPLEX, ON WALL, 120 VOLT, 20 AMP, 48" ABOVE FINISHED FLOOR FOR ABOVE EQUIPMENT (PG-18-1, MCS 16140)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				VV	CLOCK, BATTERY OPERATED
P-418	1				CC	LAVATORY, STRAIGHT BACK, ELECTRONIC TEMPERED FAUCET, 20" X 18" AND 3 1/2" APRON (PG-18-1, MCS 15450)
	1				CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1				VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED

**TABLE IV-40  
PHYSICIAN'S OFFICE**

Exam/Treatment 27

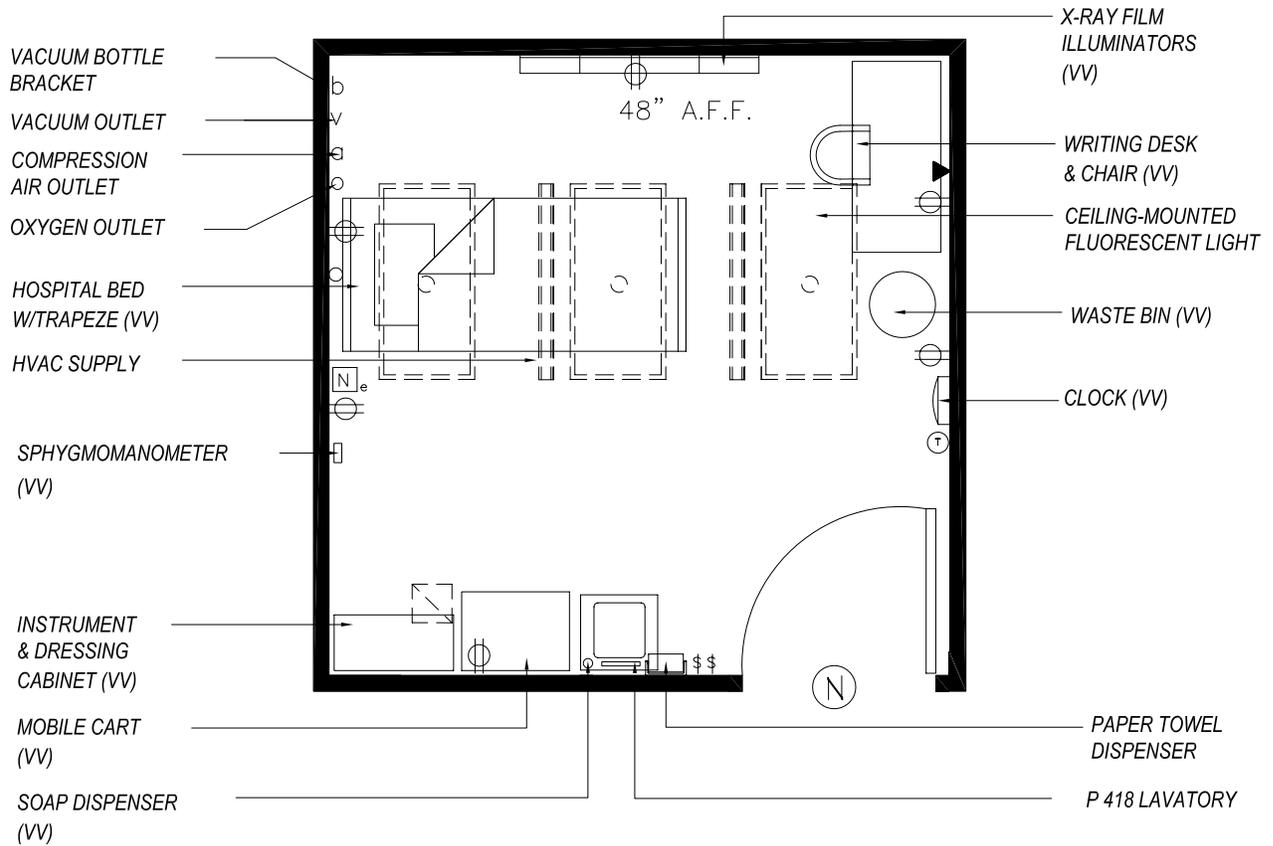
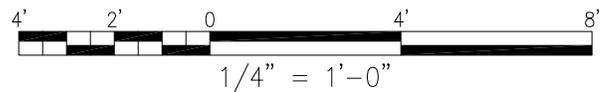


Figure IV-38



## Exam/Treatment 27

### Function:

This space is intended to provide for the examination of SCI Outpatients. It should be adjacent to the Physician's Office.

### Space Requirement:

170 NSF

### Architectural:

Finish Code: 1-BB  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Lay-in Gypsum Panels/Paint  
Ceiling Height: 9'-0"  
Noise (STC Rating): 40  
Slab Depression: None  
Special Construction: -  
Hardware: 53  
Doors: 4'-0" x 7'-0" wood or metal  
Windows: None Required

### HVAC:

Temperature:  
Summer: 72@50%RH  
Winter: 82@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: Positive  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 35  
A/C Loads:  
Lights: 600w  
Equipment: 450w  
People: 150w, sensible  
150w, latent

### Electrical:

Lighting Levels:  
Two-Level Illumination:  
High: 100 fc  
Low: 50 fc  
Emergency Power:  
One Ceiling Light  
One Receptacle (near bed)  
Nurse Call  
Medical Gases

## Exam/Treatment 27

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1				CC	LAVATORY, ELECTRONIC SENSOR CONTROL FAUCET WITH RIGID GOOSENECK SPOUT, 20" X 18" & 3-1/2" APRON (PG-18-1, MCS 15450)
	1				CC	DISPENSER, SOAP WITH FOOT CONTROL, WALL MOUNTED OVER SINK (PG-18-1, MCS 10800)
	1				CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1				VV	BED, HOSPITAL, ADJUSTABLE
	1				VV	CABINET, INSTRUMENT AND DRESSING, APPROX. 30"W X 16"D X 60"H
	1				VV	CART, MOBILE, 18"W X 30"L X 36"H
	4				VV	ILLUMINATOR, X-RAY FILM, WALL MOUNTED, 120 VOLT, 150 WATTS, INDIVIDUAL SWITCH FOR TWO 14" X 17" RADIOGRAPHS, 31"W X 20"H
	1				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, ON WALL, 48" ABOVE FINISHED FLOOR FOR ABOVE EQUIPMENT (PG-18-1, MCS 16140)
	1				CC	TRAPEZE, OVERHEAD (PG-18-1, MCS 05500)
	1				CC	OUTLET, WALL OXYGEN (PG-18-1, MCS 15312) PG-18-3, TOPIC 1, CODES AND STANDARDS
	1				CC	OUTLET, WALL, MEDICAL AIR, (PG-18-1, MCS 15311) PG-18-3, TOPIC 1, CODES AND STANDARDS
	1				CC	OUTLET, WALL, VACUUM (PG-18-1, MCS 15313) PG-18-3, TOPIC 1, CODES AND STANDARDS
	1				CC	BRACKET, VACUUM BOTTLE SLIDE, 4 9/16" X 4 1/2" (PG-18-1, MCS 15313)
	1				CC	NURSE CALL-EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				VV	DESK, WITH DRAWERS AND BOOKSHELF, APPROX. 24"D X 36"L X 29"H
	1				VV	CHAIR, ROTARY, WITHOUT ARMS
	1				VV	SPHYGMOMANOMETER, WALL HUNG
	1				VV	RECEPTACLE, WASTE 13" DIAMETER

**TABLE IV-41  
EXAM/TREATMENT**

### Cystoscopic Room w/Control & Scrub 28-A

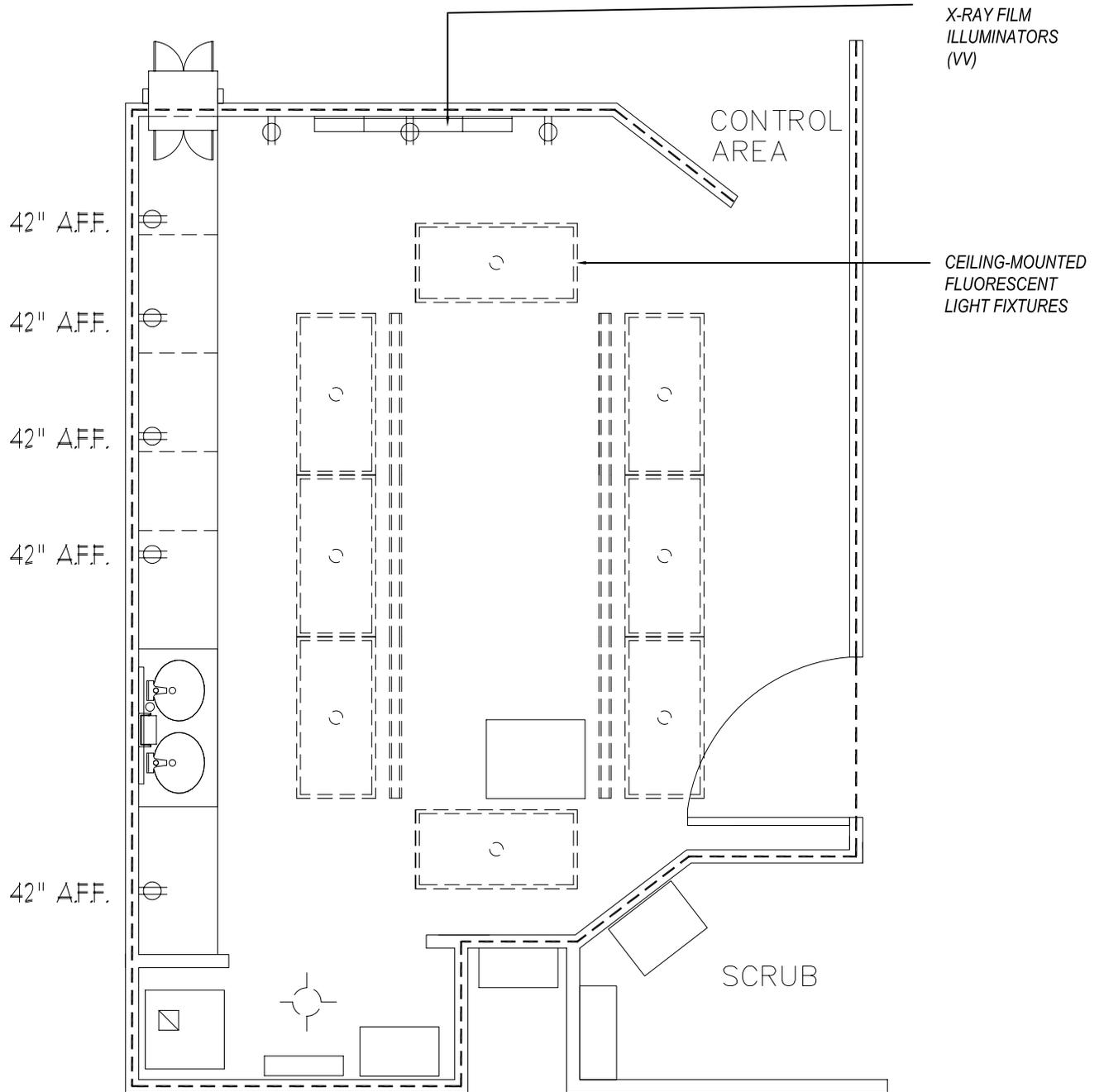
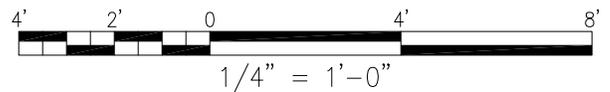


Figure IV-39



## Cystoscopic Room/Control Alcove 28-A

### Function:

This space is intended to provide the capabilities for Cystoscopic, Surgical Cystoscopic and Urodynamic procedures. While this space is the heart of the GU Clinic it should be in proximity to the Nurse Station(s) to facilitate rapid response to any medical emergency in the GU Clinic. If a second Cystoscopic Room is required it may share a common control/processing room.

### Space Requirement:

400 NSF

### Architectural:

Finish Code:	9-A
Floor Finish:	Resilient Sheet*
Base:	Resilient Sheet*
Wall Finish:	Plaster/Special Coating**
Ceiling:	Plaster/Paint
Ceiling Height:	9'-0"
Noise (STC Rating):	30
Slab Depression:	Delay installation of room finishes and topping slab until radiological equipment has been selected.
Special Construction:	Radiation Shielding, see SD 08110-3.DWG, 13091-1.DWG and 13091-2.DWG Membrane Waterproofing required at floor drain.
Hardware:	106
Doors:	4'-0" x 7'-0" wood, lead-lined, optional lead glass view panel.
Windows:	None

\*Heat-Welded Seams, see Mspec #09666

\*\*See Mspec #09815

### HVAC:

Temperature:	
Summer:	72@50%RH
Winter:	82@30%RH
Min. Air Changes/Hour:	6
Min. % Outside Air:	15
Pressure:	Positive
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	40
A/C Loads:	
Lights:	1500w
Equipment:	3500w*
People:	800w, sensible
	1040w, latent

\*2000 of which is load at transformer closet.

### Electrical:

Lighting Levels:	
Two-Level Illumination:	
High:	100fc
Low:	50fc
Emergency Power:	
Surgical Light	
One Isolated Receptacle	
Nurse Call	

## Cystoscopic Room/Control Alcove 28-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1				VC	TABLE, UROLOGICAL RADIOGRAPHIC, MOTOR DRIVEN, WITH X-RAY TUBE SUPPORT
	1				CC	DRAIN, FLOOR, AUTOMATIC FLUSHING TYPE (PG-18-1, MCS 15400; PG-18-4, SD 15400-1.DWG)
	1				VC	RADIOGRAPHIC TUBE AND HIGH VOLTAGE CABLES, 500 MA, SINGLE PHASE
	1				VC	TRANSFORMER, RADIOGRAPHIC, FOR USE WITH UROLOGICAL TABLE, 50 KVA
	1				VV	CLOCK, ELECTRIC TIME ELAPSED
						NOTE: THE FOLLOWING EQUIPMENT IS PROVIDED FOR THE CONTROL ROOM  (WHEN TWO CYSTOSCOPIC ROOMS ARE PROVIDED FOR THE PROJECT A COMMON CONTROL ROOM WILL BE ACCEPTABLE, AND A SINGLE X-RAY GENERATOR WILL BE INSTALLED TO ENERGIZE BOTH CYSTOSCOPIC TABLES. AN ADDITIONAL LEAD GLASS VIEWING WINDOW WILL BE REQUIRED FOR THE SECOND ROOM. WHERE TWO CYSTOSCOPIC TABLES ARE INSTALLED IN ONE ROOM, PROVIDE ONE X-RAY GENERATOR. PROVIDE RADIATION PROJECTION BETWEEN TABLES.)
	1				CC	WINDOW, VIEWING, LEAD GLASS, FOR PATIENT OBSERVATION (PG-18-1, MCS 13091)
	1				VC	CONTROL CABINET
	1				CC	STATION, INTERCOM, IN CONTROL ROOM – SPEAKER IN CYSTOSCOPIC ROOM (PG-18-1, MCS 16760)
	1				CC	OUTLET, INTERCOM (EMPTY CONDUIT SYSTEM) (PG-18-1, MCS 16111)
	A R				CC	SERVICES, ELECTRICAL, SPECIAL AS REQUIRED FOR THE ABOVE EQUIPMENT  (THE X-RAY TRANSFORMER MAY BE LOCATED OUTSIDE THE CYSTOSCOPIC ROOM, PROVIDED THE DISTANCE DOES NOT EXCEED THAT PRESCRIBED BY THE EQUIPMENT MANUFACTURERS. X-RAY TRANSFORMERS SHOULD NOT BE SUSPENDED FROM CEILING OR WALL MOUNTS)
	A R				CC	SHIELDING, RADIATION, FOR ROOMS WITH FIXED X-RAY EQUIPMENT, IN ACCORDANCE WITH (PG-18-1, MCS 13091; H-08-3, CS 64-1; H-08-4, SD 24, 24K AND NCRP REPORT NO. 49)
	A R				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				VV	RECEPTACLE, WASTE, STEP ON TYPE, APPROX. 12" DIAMETER
	1				CC	ISOLATED POWER UNIT PROVIDES ISOLATED ELECTRICAL POWER, INCLUDES LINE ISOLATION MONITOR, ISOLATION TRANSFORMER AND CIRCUIT BREAKERS (DETAILS AVAILABLE FROM ELECTRICAL SERVICE)

**TABLE IV-42  
CYSTOSCOPIC ROOM/CONTROL ALCOVE**

## Cystoscopic Room/Control Alcove 28-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1				CC	COLUMN, CEILING MOUNTED (H-08-1, MCS 15320) (LOCATE AT HEAD OF TABLE 4' TO 6' FROM THE CENTERLINE AND 2' TO 4' TO THE LEFT OF THE CENTERLINE OF THE TABLE) COLUMN CONTAINS THE FOLLOWING: 1 OUTLET, NITROUS OXIDE (PG-18-1, MCS 15315) 2 OUTLET, VACUUM (PG-18-1, MCS 15213) 3 OUTLET, OXYGEN (PG-18-1, MCS 15312) 1 OUTLET, MEDICAL AIR (PG-18-1, MCS 15311) 1 OUTLET, NITROGEN (PG-18-1, MCS 15317) 1 OUTLET, VACUUM, DEDICATED ANESTHESIA GAS EVACUATION (PG-18-1, MCS 15313) 1 OUTLET, ATOMIC SPECTROMETER
	1				CC	TRACK, INTRAVENOUS BOTTLE HOOKS, CEILING MOUNTED (PG-18-1, MCS 10152)
	1				CC	LIGHT, SMALL, SURGICAL WITH VARIABLE INTENSITY CONTROL, SINGLE POINT SUSPENSION, CEILING MOUNTED, TYPE 804B (LOCATION INSTRUCTIONS AVAILABLE FROM ELECTRICAL SERVICE) (PG-18-1, MCS 16515)
	4				VV	ILLUMINATOR, X-RAY, 14" X 17" WALL MOUNTED 120 VOLT, 20 AMP
	1				CC	OUTLET, INTERCOM (EMPTY CONDUIT SYSTEM) (PG-18-1, MCS 16111)
	1				CC	INTERCOM, STATION (PG-18-1, MCS 16760)
	1				VV	STOOL, ADJUSTABLE HEIGHT, ON CASTERS, APPROX. 18" DIAMETER
	1				VV	CART, MOBILE, URODYNAMICS MONITOR, 24" X 24"
	1				VV	CART, MOBILE, FLUOROSCOPIC MONITOR, 30" X 20"
	1				VV	CART, MOBILE, VRT, 30" X 20"
	1				VV	CART, MOBILE, INSTRUMENT, 36" X 20"
	1				CC	CALL, NURSES-EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
	AR				CC	COUNTER, CORROSION RESISTING STEEL TOP AND SPLASHBACKS, OPEN BELOW, 22"D X 36"H X LENGTH AS REQUIRED (PG-18-1, MCS 12301)
VL8/8A	1				CC	CABINET, UNDERCOUNTER, WITH 1 DRAWER, 1 DOOR AND 1 ADJUSTABLE SHELF, AVAILABLE WIDTHS, 12" X 18", 24"; DEPTH 22" HEIGHTS 31", 25", FOR FLOOR MOUNTED ADD 5" TOE BASE (PG-18-1, MCS 12345; H-08-6)
VL501/501A	1				CC	CABINET, UNDERCOUNTER, WITH 6/5 DRAWERS, 1 DOOR AND 1 ADJUSTABLE SHELF, AVAILABLE WIDTHS 36", 48"; DEPTH 22"; HEIGHTS 31", 25", FOR FLOOR MOUNTED AND ADD 5" TOE BASE (PG-18-1, MCS 12345)

**TABLE IV-42 (CONT'D)**  
**CYSTOSCOPIC ROOM/CONTROL ALCOVE**

## Cystoscopic Room/Control Alcove 28-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
VL20/20A	1				CC	CABINET, UNDERCOUNTER, SINK UNIT, 2 HINGED PANEL DOORS, AVAILABLE WIDTHS 30", 36" 42" , 48"; DEPTH 22"; HEIGHTS 31", 25", FOR FLOOR MOUNTED AND 5" TOE BASE (PG-18-1, MCS 12345)
J-2	2				CC	SINK, CORROSION RESISTING STEEL, WITH CENTER DRAIN OUTLET, 18" X 15" X 8" DEEP (PG-18-1, MCS 11602)
	1				VV	DISPENSER, SOAP, LIQUID WALL MOUNTED
	1				VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED
VL3/3A	1				CC	CABINET, UNDERCOUNTER, WITH 5/4 DRAWERS, AVAILABLE WIDTHS 18", 24", 36",48"; DEPTH 22"; HEIGHTS 31", 25", FOR FLOOR MOUNTED ADD 5" TOE BASE (PG-18-1, MCS 12345)
VL26	4				CC	CABINET, WALL WITH SLOPING TOP, 2 GLAZED SLIDING DOORS AND 2 ADJUSTABLE SHELVES, AVAILABLE WIDTHS 30", 36", 42", 48"; DEPTH 16"; HEIGHT 48" (H-08-1, MCS 12345)
VL101/101A	2				CC	CABINET, UNDERCOUNTER, WITH 5/4 DRAWERS, AVAILABLE WIDTHS 18", 24", 36", 48"; DEPTH 22"; HEIGHTS 31", 25", FOR FLOOR MOUNTING ADD 5" TOE BASE (PG-18-1, MCS 12345)
	1				VV	CABINET, SOLUTION WARMING, UNDERCOUNTER, ELECTRIC, STAINLESS STEEL, APPROX 30"W X 18"D X 29"H
	1				VV	CLOCK, ELECTRIC WITH SWEEP SECOND HAND

**TABLE IV-42 (CONT'D)  
CYSTOSCOPIC ROOM/CONTROL ALCOVE**

Cysto rooms equipped for lithotripsy\* (or lasertripsy) shall be the same with the following exception:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						CYSTOSCOPIC ROOM - LITHOTRIPSY
	1				VC	TABLE, UROLOGICAL, RADIOGRAPHIC, MOTOR DRIVE, WITH X-RAY TUBE SUPPORT. LITHOTRIPTOR INTEGRATED INTO TABLE.

## Cystoscopic Scrub 28-A

### Function:

This space is intended to support the Cystoscopic Room described on the previous sheet. Staff will scrub here prior to entering the Cysto Room. Visual and voice communication should exist between the two spaces.

### Space Requirement:

30 NSF

### Architectural:

Finish Code:	9-A
Floor Finish:	Resilient Sheet*
Base:	Resilient Sheet*
Wall Finish:	Plaster/Special Coating**
Ceiling:	Plaster/Paint
Ceiling Height:	9'-0"
Noise (STC Rating):	N/A
Slab Depression:	None
Special Construction:	-
Hardware:	-
Doors:	None
Windows:	Observation Window, see SD-08110-4.DWG

### HVAC:

Temperature:	
Summer:	72@50%RH
Winter:	82@30%RH
Min. Air Changes/Hour:	6
Min. % Outside Air:	15%
Pressure:	Negative
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	40
A/C Loads:	
Lights:	75w
Equipment:	-
People:	100w, sensible 130w, latent

### Electrical:

Lighting Levels:	
Gen. Illum:	50fc
Emergency Power:	-

## Cystoscopic Scrub 28-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
P-519	AR				CC	SINK, SURGEONS SCRUB-UP, APPROX 32" X 25" X 39" (PG-18-1, MCS 15450) (PROVIDE ONE SINK FOR EACH CYSTOSCOPIC ROOM)
	AR				VV	DISPENSER, SOAP LIQUID, WALL MOUNTED
T-45	AR				CC	SHELF, CORROSION RESISTING STEEL, 12"W X 5"D (PG-18-1, MCS 10360; PG-18-4, SD 10801-1.DWG)
	1				VV	DISPENSER, BRUSH, SCRUB
	AR				CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1				CC	OUTLET, INTERCOM (EMPTY CONDUIT SYSTEM) (PG-18-1, MCS 16111)
	1				CC	INTERCOM, STATION (PG-18-1, MCS 16760)

**TABLE IV-43  
CYSTOSCOPIC SCRUB**

# Lithotripsy Room w/Control & Scrub 28-B

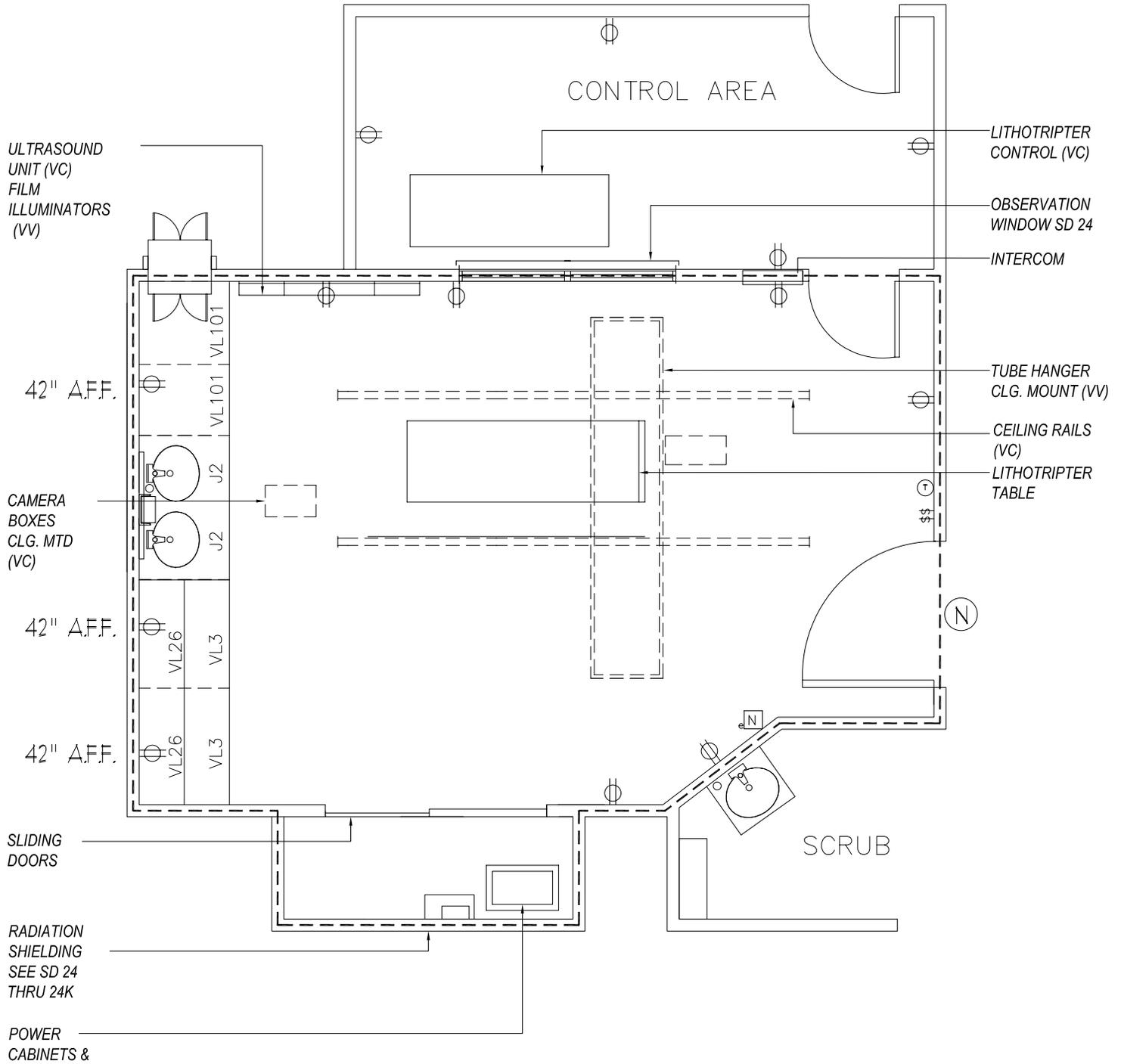


Figure IV-40

## Lithotripsy Room/Control Room 28-B

### Function:

This space is intended to provide the capabilities for Lithotripsy procedures. This space is part of the GU Clinic and should be in proximity to the Cystoscopic Room. It may share a common control/processing area with a Cystoscopic Room.

### Space Requirement:

400 NSF

### Architectural:

Finish Code:	9-A
Floor Finish:	Resilient Sheet*
Base:	Resilient Sheet*
Wall Finish:	Plaster/Special Coating**
Ceiling:	Plaster/Paint
Ceiling Height:	9'-0"
Noise (STC Rating):	30
Slab Depression:	Delay installation of room finishes and topping slab until radiological equipment has been selected.
Special Construction:	Radiation Shielding See SD 08110-3.DWG, 13091-1.DWG and 13091-2.DWG. Membrane waterproofing required at floor drain.
Hardware:	106
Doors:	4'-0" x 7'-0" wood, lead lined, optional lead glass view panel.
Windows:	None

\*Heat-Welded Seams, see Mspec #09666

\*\*See Mspec #09815

### HVAC:

Temperature:	
Summer:	72@50%RH
Winter:	82@30%RH
Min. Air Changes/Hour:	6
Min. % Outside Air:	15%
Pressure:	Positive
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	40
A/C Loads:	
Lights:	5100w
Equipment:	3500w*
People:	800w, sensible 1040w, latent

\*2000w of which to be found in transformer closet

### Plumbing:

Provide Regent Grade Water Supply as per manufacturer's requirements.

### Electrical:

Lighting Levels:	
Gen. Illum:	200fc
Emergency Power:	
Nurse Call	

## Lithotripsy Room/Control Room 28-B

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1				VC	TABLE, LITHOTRIPTOR, APPROX., 90" X 30" X 28" TO 32", 480 WATTS, 120 VOLT
	1				CC	DRAIN, FLOOR, AUTOMATIC FLUSHING TYPE (PG-18-1, MCS 15400; PG-18-4, SD 15400-1.DWG)
	1				VC	MONITOR, REMOTE, WITH COMPUTER, APPROX., 16" X 17" X 17", 560 WATTS, 120 VOLT
	1				VC	UNIT, ULTRASOUND, APPROX., 22" X 34" X 48", 665 WATTS, 120 VOLT
	2				VC	CAMERA, SYSTEM, CEILING MOUNTED, 20 WATTS, 120 VOLT
	1				VC	X-RAY BRIDGE ASSEMBLY
	1				VC	CONTROL, COLLIMATOR, APPROX., 17" X 13" X 7"
	1				VC	STARTER, A.I.D. HIGH SPEED, APPROX., 32" X 22" X 10"
	1				VC	TRANSFORMER, X-RAY
	AR				CC	SERVICES, ELECTRICAL, SPECIAL AS REQUIRED FOR THE ABOVE EQUIPMENT
	AR				CC	SHIELDING, RADIATION, FOR ROOMS WITH FIXED X-RAY EQUIPMENT, IN ACCORDANCE WITH (PG-18-1, MCS 13091; H-08-3, PG-18-4, SD 13091-1.DWG and 13091-2.DWG AND NCRP REPORT NO. 49)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				VV	RECEPTACLE , WASTE, STEP ON TYPE, APPROX. 12" DIAMETER
	1				CC	ISOLATED POWER UNIT PROVIDES ISOLATED ELECTRICAL POWER, INCLUDES LINE ISOLATION MONITOR, ISOLATION TRANSFORMER AND CIRCUIT BREAKERS (DETAILS AVAILABLE FROM ELECTRICAL SERVICE)
	1				VV	I.V. POLES
	4				VV	ILLUMINATOR, X-RAY, 14" X 17", WALL MOUNTED, 120 VOLT, 20 AMP
	1				CC	OUTLET, INTERCOM (EMPTY CONDUIT SYSTEM) (PG-18-1, MCS 16111)
	1				CC	INTERCOM, STATION (PG-18-1, MCS 16760)
	1				VV	STOOL, ADJUSTABLE HEIGHT, ON CASTERS, APPROX. 18" DIAMETER
	1				CC	OUTLET, WALL, NITROUS OXIDE (PG-18-1, MCS 15491) PG-18-3, TOPIC 1, CODES AND STANDARDS
	2				CC	OUTLET, WALL, VACUUM (PG-18-1, MCS 15313)
	2				CC	BRACKET, VACUUM BOTTLE SLIDE, 4-9/16" X 4-1/2" (PG-18-1, MCS 15313)

**TABLE IV-44**  
**LITHOTRIPSY ROOM/CONTROL ROOM**

## Lithotripsy Room/Control Room 28-B

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	2				CC	OUTLET, WALL OXYGEN (PG-18-1, MCS 15312 ) PG-18-3, TOPIC 1, CODES AND STANDARDS)
	1				CC	OUTLET, WALL, MEDICAL AIR (PG-18-1, MCS 15311) PG-18-3, TOPIC 1, CODES AND STANDARDS
	1				CC	OUTLET, WALL NITROGEN (PG-18-1, MCS 1549) PG-18-3, TOPIC 1 CODES AND STANDARDS
	1				CC	OUTLET, WALL EVACUATION (PG-18-1, MCS 15491)
						NOTE: OUTLETS TO BE ON THE WALL, NEAR HEAD END OF TABLE, 5 FT. ABOVE THE FLOOR
	1				CC	NURSE CALL, EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
	AR				CC	COUNTER, CORROSION RESISTING STEEL TOP AND SPLASHBACKS, OPEN BELOW, 22"D X 36"H X LENGTH AS REQUIRED (PG-18-1, MCS 12301)
VLB/BA	1				CF	CABINET, UNDERCOUNTER, WITH 1 DRAWER, 1 DOOR AND 1 ADJUSTABLE SHELF, AVAILABLE WIDTHS, 12", 18", 24"; DEPTH 22"; HEIGHTS 31", 25", FOR FLOOR MOUNTED ADD 5" TOE BASE (PG-18-1, MCS 12345)
VL501/501A	1				CF	CABINET, UNDERCOUNTER, WITH 6/5 DRAWERS, 1 DOOR AND 1 ADJUSTABLE SHELF, AVAILABLE WIDTHS 36", 48"; DEPTH 22"; HEIGHTS 31", 25", FOR FLOOR MOUNTED ADD 5" TOE BASE (PG-18-1, MCS 12345)
VL20/20A	1				CF	CABINET, UNDERCOUNTER, SINK UNIT, 2 HINGED PANEL DOORS, AVAILABLE WIDTHS 30", 36", 42", 48"; DEPTH 22"; HEIGHTS 31", 25", FOR FLOOR MOUNTED ADD 5" TOE BASE (PG-18-1, MCS 12345)
J-2	2				CF	SINK, CORROSION RESISTING STEEL, WITH CENTER DRAIN OUTLET, 18" X 15" X 8" DEEP (PG-18-1, MCS 11602)
	1				VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1				VV	DISPENSER, PAPER TOWEL, SURFACE MOUNTED
VL3/3A	1				CF	CABINET, UNDERCOUNTER, WITH 5/4 DRAWERS, AVAILABLE WIDTHS 18", 24", 36", 48"; DEPTH 22"; HEIGHTS 31", 25", FOR FLOOR MOUNTED ADD 5" TOE BASE (PG-18-1, MCS 12345)
VL26	4				CF	CABINET, WALL, WITH SLOPING TOP, 2 GLAZED SLIDING DOORS AND 2 ADJUSTABLE SHELVES, AVAILABLE WIDTHS 30", 36", 42", 48"; DEPTH 16"; HEIGHT 48" (PG-18-1, MCS 12345)
VL101/101A	2				CF	CABINET, UNDERCOUNTER, WITH 5/4 DRAWERS, AVAILABLE WIDTHS 18", 24", 36", 48"; DEPTH 22"; HEIGHTS 31", 25", FOR FLOOR MOUNTING ADD 5" TOE BASE (PG-18-1, MCS 12345)
	1				VV	CLOCK, ELECTRIC WITH SWEEP SECOND HAND
	1				VV	CLOCK, ELECTRIC TIME ELAPSED

**TABLE IV-44 (CONT'D)**  
**LITHOTRIPSY ROOM/CONTROL ROOM**

## Lithotripsy Scrub 28-B

### Function:

This space is intended to support the Lithotripsy Room described on the previous sheet. Staff will scrub here prior to entering the Lithotripsy Room. Visual and voice communication should exist between the two rooms.

### Space Requirement:

30 NSF

### Architectural:

Finish Code: 9-A  
 Floor Finish: Resilient Sheet\*  
 Base: Resilient Sheet\*  
 Wall Finish: Plaster/Special Coating\*\*  
 Ceiling: Plaster/Paint  
 Ceiling Height: 9'-0"  
 Noise (STC Rating): N/A  
 Slab Depression: None  
 Special Construction: -  
 Hardware: -  
 Doors: None  
 Windows: Observation Window, see SD 08110-4.DWG

\*Heat-Welded Seams, see Mspec #09666

\*\*See Mspec #09815

### HVAC:

Temperature:  
 Summer: 72@50%RH  
 Winter: 82@30%RH  
 Min. Air Changes/Hour: 6  
 Min. % Outside Air: 15%  
 Pressure: Negative  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: -  
 A/C Loads:  
 Lights: 75w  
 Equipment: -  
 People: 100w, sensible  
 130w, latent

### Electrical:

Lighting Levels:  
 Gen. Illum: 50fc  
 Emergency Power: -

## Lithotripsy Scrub 28-B

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
P-519	AR				CC	SINK, SURGEONS SCRUB-UP, APPROX 32" X 25" X 39" (PG-18-1, MCS 15450) (PROVIDE ONE SINK FOR EACH CYSTOSCOPIC ROOM)
	AR				VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
T-45	AR				CC	SHELF, CORROSION RESISTING STEEL, 12"W X 5"D (PG-18-1, MCS 10360; PG-18-4, SD 10801-1.DWG)
	1				VV	DISPENSER, BRUSH, SCRUB
	AR				CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1				CC	OUTLET, INTERCOM (EMPTY CONDUIT SYSTEM) (PG-18-1, MCS 16111)
	1				CC	INTERCOM, STATION (PG-18-1, MCS 16760)

**TABLE IV-45  
LITHOTRIPSY SCRUB**

# Recovery Room 29

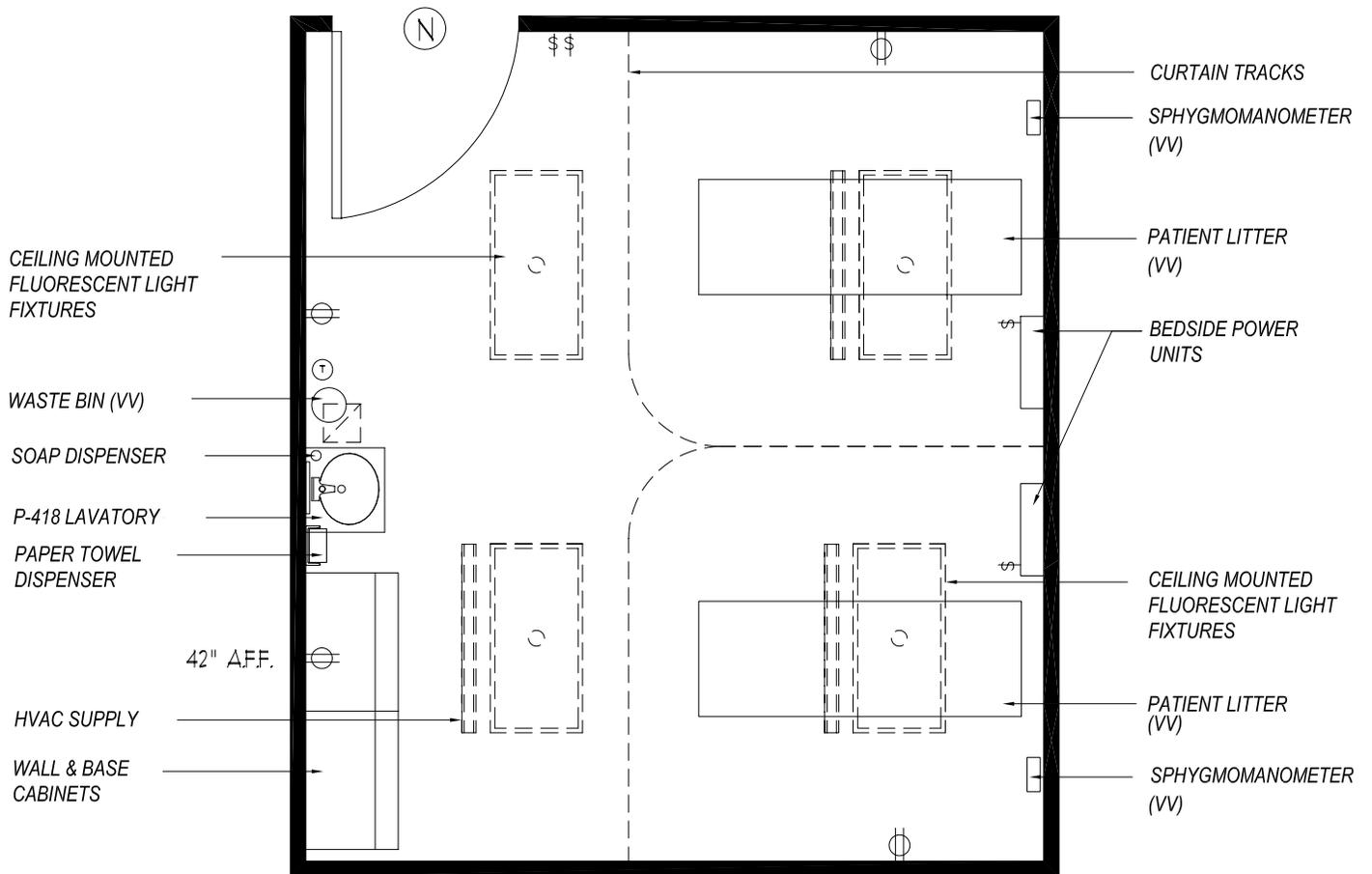
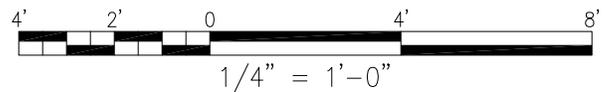


Figure IV-41



## Recovery Room 29

### Function:

This space is intended to accommodate patients after Lithotripsy procedures. Here they will be monitored until the effects of general anesthesia have worn off. This space is provided only when Lithotripsy is approved and located in the SCI GU Clinic.

### Space Requirement:

300 NSF

### Architectural:

Finish Code:	1-U
Floor Finish:	Vinyl Composition Tile
Base:	Vinyl
Wall Finish:	Veneer Plaster/Paint
Ceiling:	Acoustical Tile
Ceiling Height:	9'-0"
Noise (STC Rating):	35
Slab Depression:	None
Special Construction:	-
Hardware:	69
Doors:	4'-0" x 7'-0" wood or metal, optional glass view panel.
Windows:	None Required

### HVAC:

Temperature:	
Summer:	72@50%RH
Winter:	82@30%RH
Min. Air Changes/Hour:	8
Min. % Outside Air:	15%
Pressure:	Positive
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	35
A/C Loads:	
Lights:	800w
Equipment:	1000w
People:	390w, sensible 330w, latent

### Electrical:

Lighting Levels:	
Gen. Illum:	30fc
Over Bed:	100fc
Emergency Power:	
Overbed Lights	
One Receptacle per PBPU	
Nurse Call	
Medical Gases	

## Recovery Room 29

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	2				VV	BED OR STRETCHER, RECOVERY APPROX. 30" W X 80" L
	2				VV	SPHYGMOMANOMETER, WALL HUNG
	2				CC	TRACK, CURTAIN, CUBICLE - EACH BED (PG-18-1, MCS 10152)
	2				VV	CURTAIN, CUBICLE
	2				CC	PREFABRICATED BEDSIDE PATIENT UNIT: TYPE 2A (PG-18-4, SD 16630-8.DWG, 16685-2.DWG and 16685-3.DWG)
T-1A	2				CC	CABINET, BASE, WITH 2 DRAWERS, 2 HINGED DOORS AND 1 ADJUSTABLE SHELF, 36"W X 22"D X 36"H, CORROSION RESISTING STEEL TOP AND SPLASHBACKS, WITH WALL CABINET ABOVE WITH SLOPING TOP, 2 GLAZED SLIDING DOORS AND 2 ADJUSTABLE GLASS SHELVES (PG-18-1, MCS 12301)
P418	1				CC	LAVATORY, STRAIGHT BACK, ELECTRONIC TEMPERED FAUCET, 20" X 18" AND 3 1/2 " APRON (PG-18-1, MCS 15450)
	1				VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1				CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1				CC	CALL, NURSES-EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16767)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-46  
RECOVERY ROOM**

# Radiographic Film Developing 30

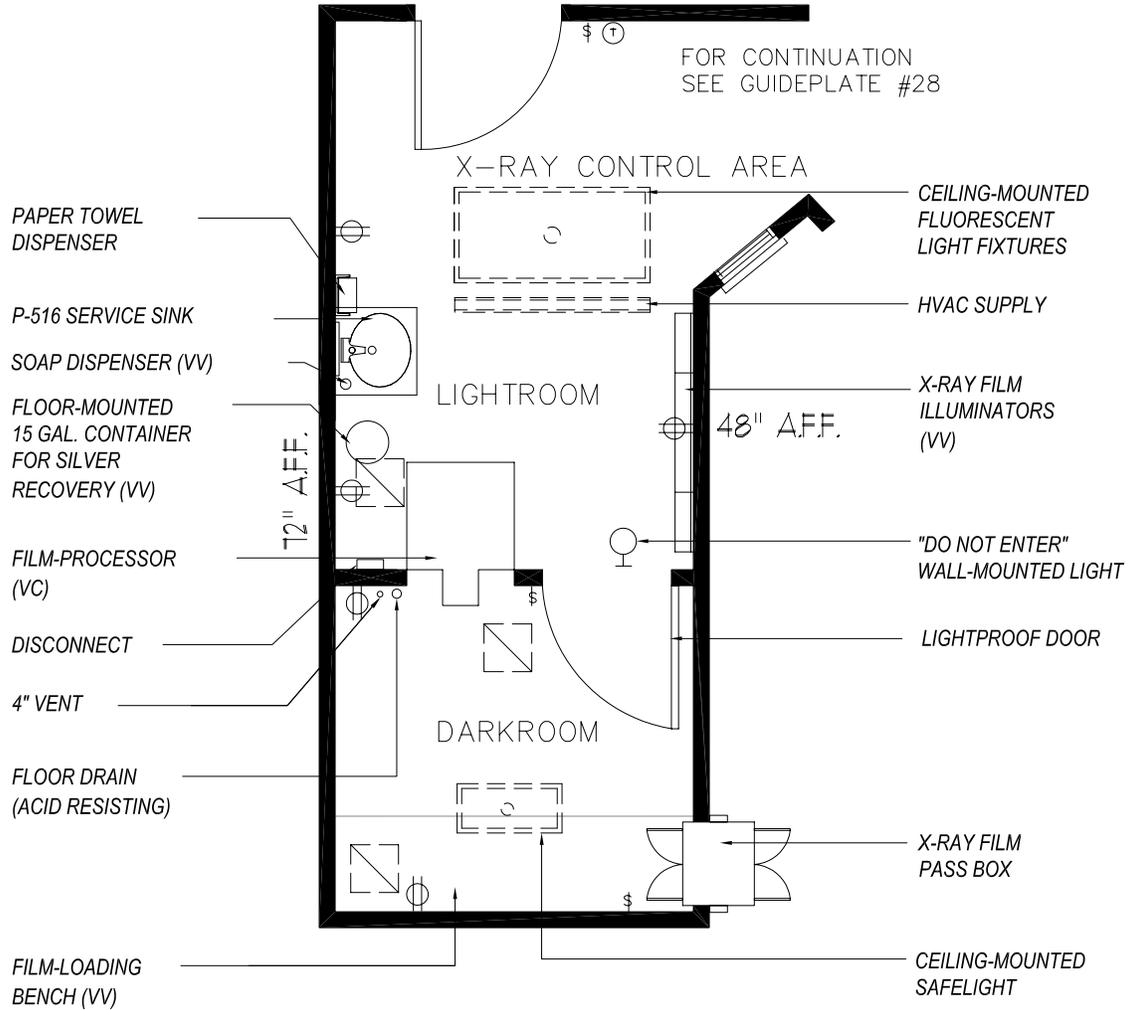
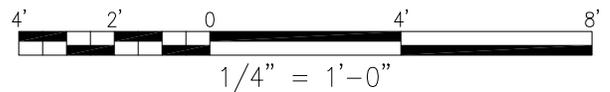


Figure IV-42



## Radiographic Film Developing 30

### Function:

This space is intended to provide for film storage, cassette loading and film processing. Film enters the processor on the Dark Room side and emerges on the Light Room side. The Light Room must also accommodate the maintenance of the processor.

### Space Requirement:

Darkroom: 40 NSF

Lightroom: 60 NSF

### Architectural:

Finish Code: 9-F  
 Floor Finish: Resilient Sheet\*  
 Base: Resilient Sheet\*  
 Wall Finish: Gypsum Wallboard/Paint  
 Ceiling: Gypsum Wallboard/Paint  
 Ceiling Height: 9'-0"  
 Noise (STC Rating): 30  
 Slab Depression: None  
 Special Construction: -  
 Hardware: 19 (both doors)  
 Doors: 3'-0" x 7'-0" wood or metal (lightproof)  
 Windows: Observation Window  
 \*Heat Welded Seams, see MCS #09666

### HVAC:

Temperature:  
 Summer: 78@50%RH  
 Winter: 72@30%RH  
 Min. Air Changes/Hour: 6 (100% Exhaust)  
 Min. % Outside Air: 15%  
 Pressure: Negative  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: 40  
 A/C Loads:     Darkroom     Lightroom  
   Lights:     150w           75w  
   Equipment: 150w         700w  
   People:     100w, sensible 100w  
               130w, latent   130w

### Electrical:

Lighting Levels:  
 Gen. Illum: 20fc  
 Emergency Power: -

## Radiographic Film Developing 30

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1				VC	PROCESSOR, FILM, AUTOMATIC, 90 SECOND PROCESSING CYCLE
	1				CC	SAFELIGHT
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				CC	DARK ROOM CASSETTE PASS BOX AS DETERMINED BY VAMC
	AR				CC	DOORS, LIGHTPROOF OR LIGHT LOCK DOOR IF SPECIFIED (PG-18-1, MCS 11471)
	AR				VV	ILLUMINATOR, X-RAY FILM, WALL MOUNTED, 120 VOLTS, 150 WATTS, INDIVIDUAL SWITCH, FOR TWO 14" X 17" RADIOGRAPHS, 31"W X 20"H
	1				VV	15 GALLON SILVER RECOVERY CONTAINER, FLOOR-MOUNTED.
P-516	1				CC	SINK, CORROSION RESISTING STEEL, SINGLE COMPARTMENT, WALL HUNG, APPROX. 30" X 20" X 8"D WITH 12" SPLASHBACK (PG-18-1, MCS 15450)
	1				CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, 72" ABOVE FINISHED FLOOR FOR SILVER RECOVERY (PG-18-1, MCS 16140)
	1				CC	SWITCH, DISCONNECT FOR FILM PROCESSOR (PG-18-1, MCS 16170)

**TABLE IV-47**  
**RADIOGRAPHIC FILM DEVELOPING**

## G.U. Dressing Room 31

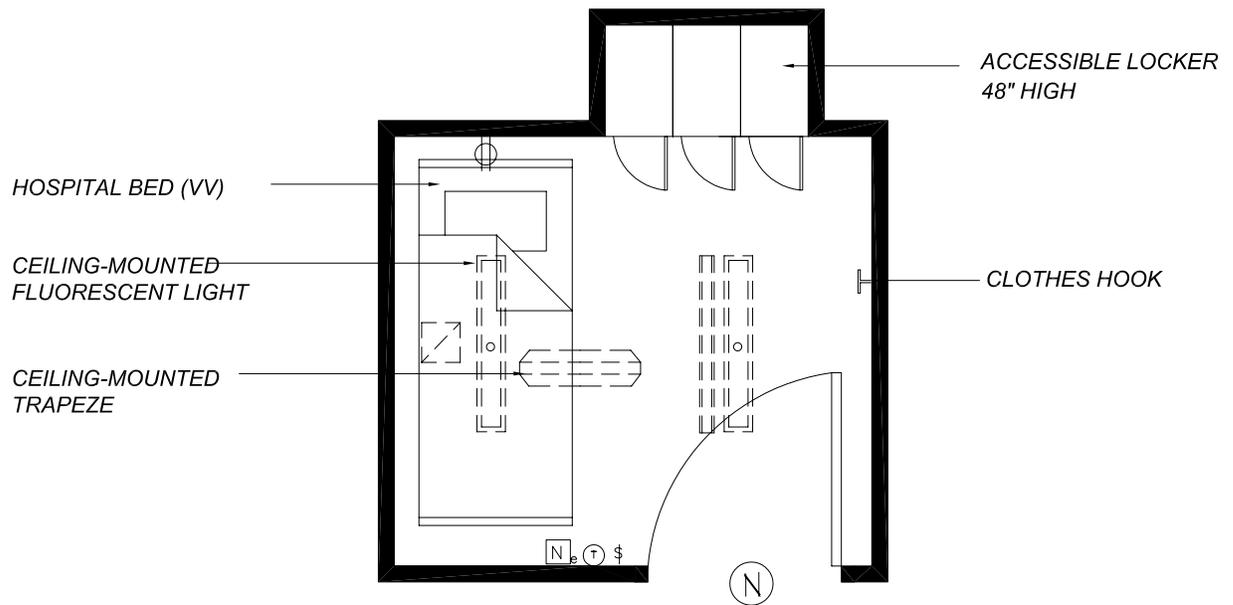
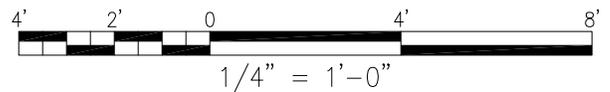


Figure IV-43



## G.U. Dressing Room 31

### Function:

This space provides private changing facilities for SCI Outpatients undergoing G.U. Procedures.

### Space Requirement:

100 NSF

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: 7  
Doors: 4'-0" x 7'-0" wood or metal  
Windows: None

### HVAC:

Temperature:  
    Summer: 78@50%RH  
    Winter: 82@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: (0)  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 35  
A/C Loads:  
    Lights: 150w  
    Equipment: 150w  
    People: 75w, sensible  
          75w, latent

### Electrical:

Lighting Levels:  
    Gen. Illum: 10fc  
Emergency Power:  
    One Ceiling Light  
    Nurse Call

## G.U. Dressing Room 31

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
T-8	AR				CC	LOCKER, STEEL, SLOPING TOP, 12"W X 21"D X 72" H (PG-18-1, MCS 10500)
	1				VV	BED, HOSPITAL ADJUSTABLE
	1				CC	TRAPEZE, OVERHEAD (PG-18-1, MCS 05500 ; H-08-4)
	1				CC	NURSE CALL – EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
	1				CC	HOOK, CLOTHES (PG-18-1, MCS 10800)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-48  
G.U. DRESSING ROOM**

## Outpatient/G.U. Clinic Nurse Station 32

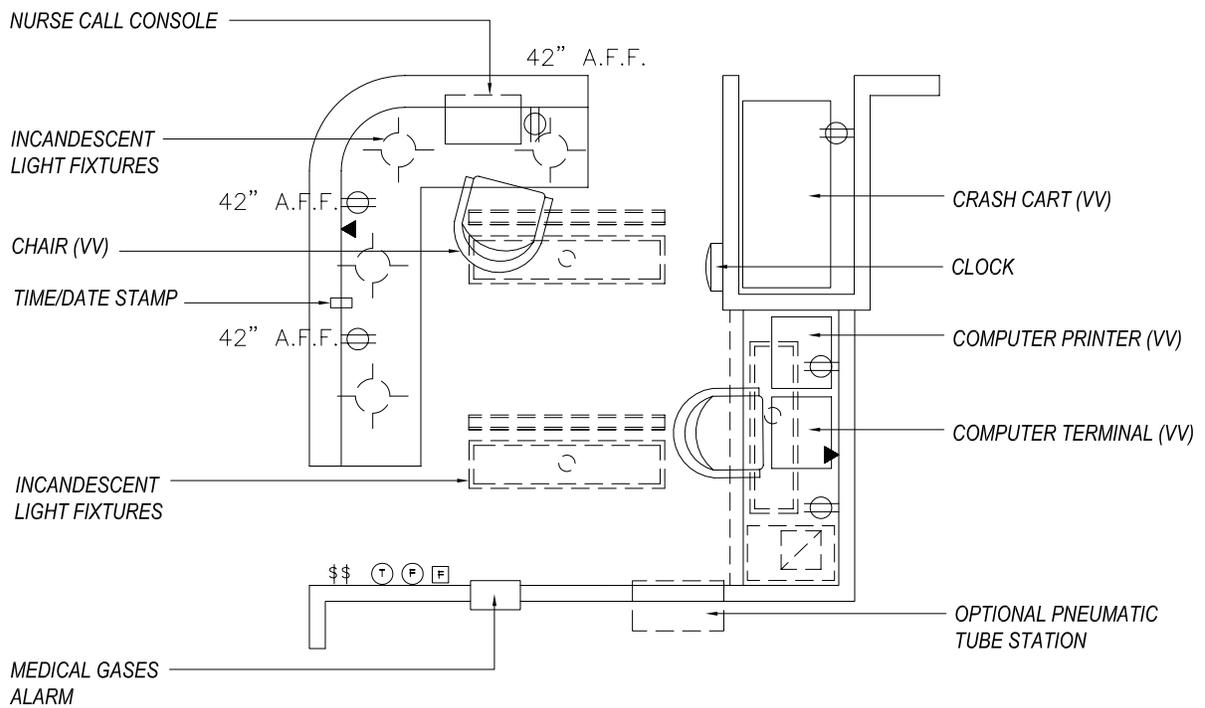
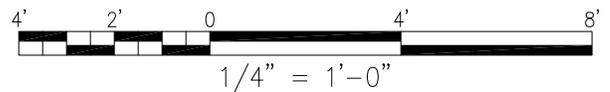


Figure IV-44



## Outpatient/G.U. Clinic Nurse Station 32

### Function:

This space serves as the control point for the Outpatient/G.U. Clinics. The space provided accommodates an outpatient clerk and a nursing assistant. Outpatient records are also stored here. Direct visual control of the front door and waiting area is required.

### Space Requirement:

150 NSF

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Veneer Plaster/Vinyl Fabrication  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-0"  
Noise (STC Rating): N/A  
Slab Depression: None  
Special Construction: -  
Hardware: -  
Doors: None  
Windows: None

### HVAC:

Temperature:  
    Summer: 78@50%RH  
    Winter: 72@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: (0)  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
    Lights: 850w  
    Equipment: 450w  
    People: 300w, sensible  
          300w, latent

### Electrical:

Lighting Levels:  
    Gen. Illum: 30fc  
    Task Illum: 70fc  
Emergency Power:  
    Task Illumination  
    One Receptacle  
    Nurse Call  
    Medical Gas Alarms

## Outpatient/G.U. Clinic Nurse Station 32

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	AR				CC	COUNTER TOP, HIGH PRESSURE LAMINATE, 30"H WITH 30"H DESK BUILT IN WITH TYPEWRITER WELL, INDIVIDUAL SINGLE DRAWERS BELOW FULL LENGTH OF COUNTER AND PIGEON-HOLE FILES BELOW AS REQUIRED, SIZE ACCORDING TO INDIVIDUAL PROJECT DESIGN (PG-18-1, MCS 12302)
	1				CC	NURSE CALL, CONSOLE, ANNUNCIATOR, AUDIO VISUAL DESK TYPE (PG-18-1, MCS 16761)
	1				VV	CLOCK BATTERY OPERATED
	1				VV	BULLETIN BOARD, 60"W X 36"H
	AR				VV	CHAIR, ROTARY WITHOUT ARMS
	AR				VV	CABINET, FILING, UNDERCOUNTER
	1				CC	FIRE ALARM STATION, RED SIGNAL LIGHT AND CHIME, WALL MOUNTED (PG-18-1, MCS 16721)
	1				CC	ALARM, AIR, OXYGEN AND VACUUM FAILURE, WALL MOUNTED (PG-18-1, MCS 15550)
	1				CC	STATION, PNEUMATIC TUBE (DETERMINED ON INDIVIDUAL BASIS) (PG-18-1, MCS 14581)
	1				VV	CART, EMERGENCY, "CRASH CART" APPROX. 36"W X 21"D
	1				VV	PRINTER, COMPUTER SYSTEM
	AR				CC	RECEPTACLE, ELECTRICAL DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-49  
OUTPATIENT/G.U. CLINIC NURSE STATION**

## Outpatient/G.U. Clinic Clean Utility 33

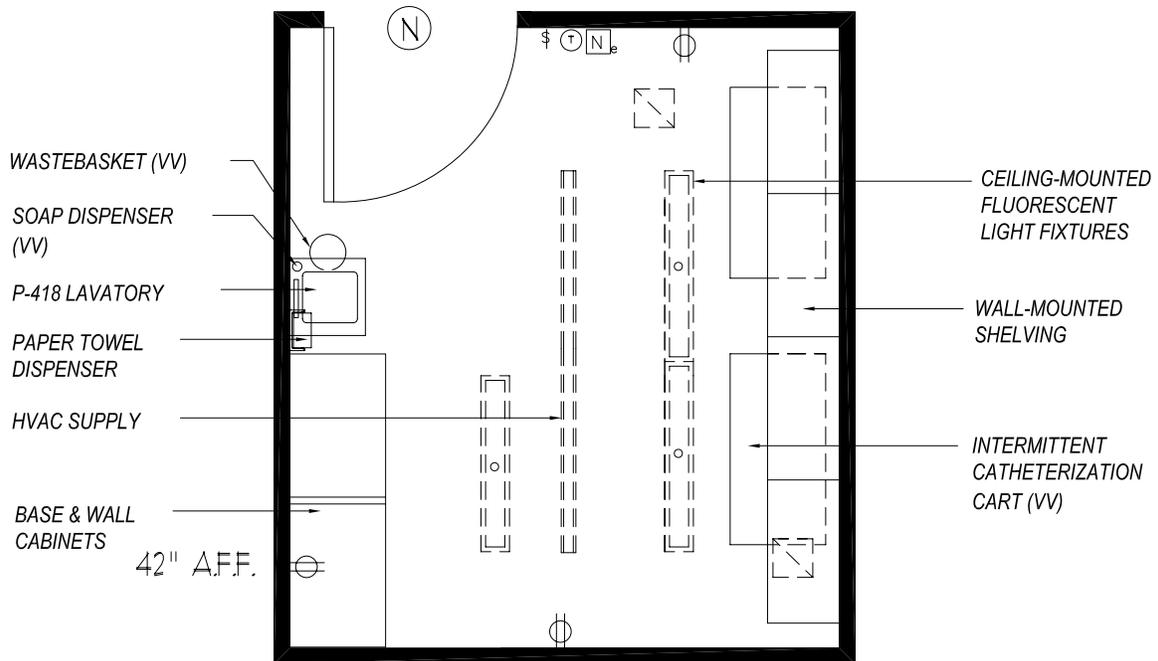
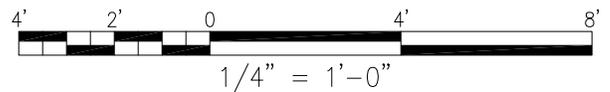


Figure IV-45



## Outpatient/G.U. Clinic Clean Utility 33

### Function:

This space will provide primary storage for both the Outpatient and G.U. Clinics. In addition to stocks of medical supplies this space will also contain the supply carts used by the G.U. technicians to perform intermittent catheterization.

### Space Requirement:

150 NSF

### Architectural:

Finish Code: 1-P  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Veneer Plaster\*  
Ceiling: Gypsum Wallboard/Paint  
Ceiling Height: 9'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: One Hour Fire-Rated enclosure plus sprinklers.  
Hardware: 43  
Doors: 3'-8" x 7'-0" wood or metal, optional wireglass view panel, "C" Label.  
Windows: None

\*Special Coating, see Mspec #09815

### HVAC:

Temperature:  
Summer: 78@50%RH  
Winter: 72@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: Positive  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
Lights: 225w  
Equipment: 300w  
People: 150w, sensible  
150w, latent

### Electrical:

Lighting Levels:  
Gen. Illum: 10fc  
Emergency Power:  
Nurse Call

## Outpatient/G.U. Clinic Clean Utility 33

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
T-14	2				CC	CABINET, BASE, WITH 2 DRAWERS, 2 HINGED DOORS AND 1 ADJUSTABLE SHELF, 36"W X 22"D X 36"H, CORROSION RESTING STEEL TOP AND SPLASHBACKS, WITH WALL CABINET ABOVE WITH SLOPING TOP, 2 GLAZED SLIDING DOORS AND 2 ADJUSTABLE GLASS SHELVES (PG-18-1, MCS 12301)
P418	1				CC	LAVATORY, STRAIGHT BACK, ELECTRONIC TEMPERED FAUCET, 20" X 18" AND 3 1/2" APRON (PG-18-1, MCS 15450)
	1				CC	DISPENSER, PAPER TOWEL AND DISPOSAL COMBINATION UNITS (PG-18-1, MCS 10800)
	1				VV	DISPENSER, SOAP, LIQUID WALL MOUNTED
T-7A	AR				CC	SHELVING, WALL HUNG, STEEL, WITH ADJUSTABLE SHELVES, 36"W X 16"D X 24"H (PG-18-1, MCS 12301)
	1				VV	RECEPTACLE, WASTE, STEP ON TYPE, APPROX. 12" DIAMETER
	1				CC	CALL, NURSE DUTY STATION, AUDIO VISUAL TYPE WITHOUT INTERCOM (PG-18-1, MCS 16761)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	AR				VV	CART, MEDICAL, SUPPLY

**TABLE IV-50  
OUTPATIENT/G.U. CLINIC CLEAN UTILITY**

### SCI Home Care Unit Interview Room 34

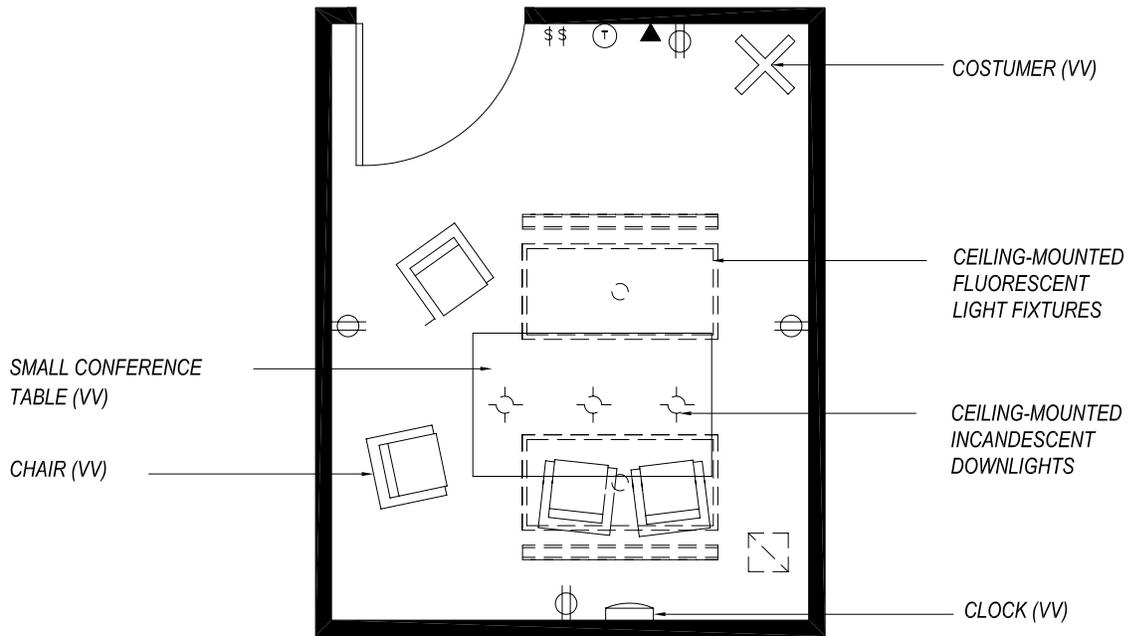
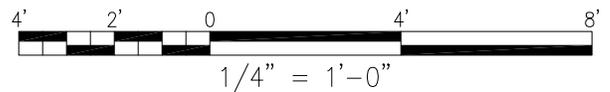


Figure IV-46



## SCI Home Care Unit Interview Room 34

### Function:

This space is intended to accommodate staff, patients, and their family in conferences prior to the patient's discharge. This is located in the SCI Home Care Unit whose purpose is to provide for the needs of SCI patients already discharged but not yet integrated into the community.

### Space Requirement:

120 NSF

### Architectural:

Finish Code:	1-A
Floor Finish:	Vinyl Composition Tile
Base:	Vinyl
Wall Finish:	Gypsum Wallboard/Paint
Ceiling:	Acoustical Tile
Ceiling Height:	9'-0"
Noise (STC Rating):	40
Slab Depression:	None
Special Construction:	-
Hardware:	23
Doors:	4'-0" x 7'-0" wood or metal
Windows:	Desirable, see PG-18-3, Topic 1, Codes and Standards; CS-31-1 & CD-35.

### HVAC:

Temperature:	
Summer:	78@50%RH
Winter:	82@30%RH
Min. Air Changes/Hour:	None (see HVAC Note 3)
Min. % Outside Air:	15%
Pressure:	(0)
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	35
A/C Loads:	
Lights:	300w
Equipment:	300w
People:	150w, sensible
	150w, latent

### Electrical:

Lighting Levels:	
Two-Level Illumination:	
High:	70fc
Low:	30fc
Incandescent Downlights on Dimmer	0-30fc
Emergency Power:	-

## SCI Home Care Unit Interview Room 34

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1				VV	TABLE, CONFERENCE, 36"W X 60"L X 29 1/12"H
	1				VV	CHAIR, ROTARY WITH ARMS APPROX. 30" X 30" (BASE)
	AR				VV	CHAIR, STRAIGHT, WITH ARMS APPROX. 30" X 30" (BASE)
	1				VV	COSTUMER APPROX. 12" X 12"
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				VV	CLOCK, BATTERY OPERATED

**TABLE IV-51  
SCI HOME CARE UNIT INTERVIEW ROOM**

### SCI Outpatient Pharmacy 35

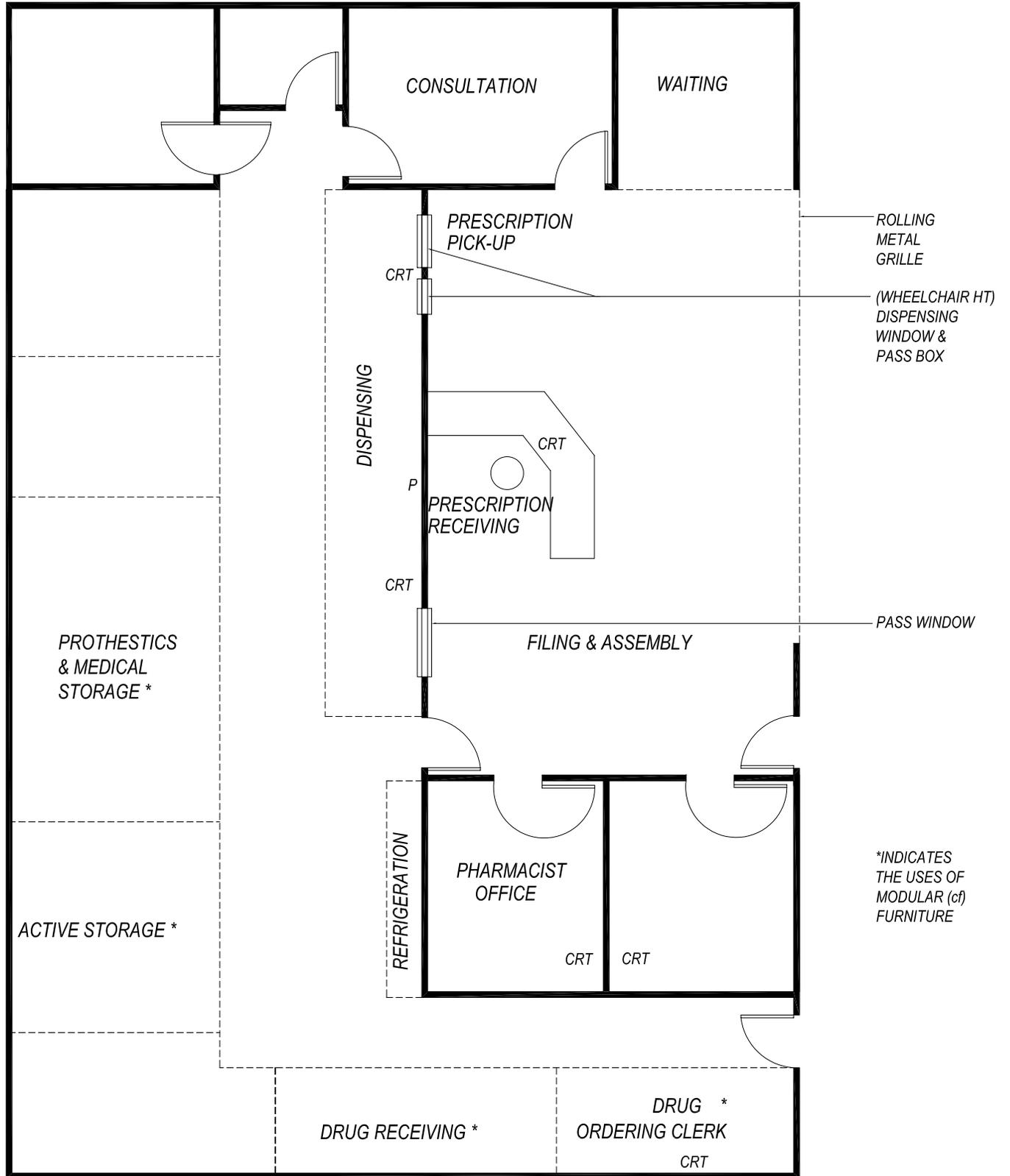
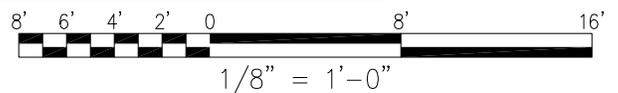


Figure IV-47



## **SCI Outpatient Pharmacy 35**

### **Function:**

Pharmacy Service is responsible for the controlled dispensing of all drugs required in the delivery of health care. Service includes the total drug utilization review process.

The pharmacy should be easily accessible from the main entrance to the SCI Center to facilitate loading bulk medical supplies and prosthetics into the patient's car.

The pharmacy should be designed according to the "open pharmacy" or "pharmacy without walls" concept using modular cabinetry. Under this concept pharmacists enter all new prescriptions and interact with patients. To accommodate this concept, the administrative area should be contiguous to the consultation and prescription receiving areas.

The movement of bulk material to supply the pharmacy should (if possible) be separated from patient traffic flow.

### **Architectural:**

Finish Code:	6-B
Floor Finish:	Carpet
Base:	Vinyl
Wall Finish:	Gypsum Wallboard/Paint*
Ceiling:	Acoustical Tile
Ceiling Height:	9'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	Various
Doors:	Various
Windows:	Security screens required; see PG-18-3, Topic 14, Security.

\*Masonry construction on wall containing dispensing windows.

Medication Prep 35-A

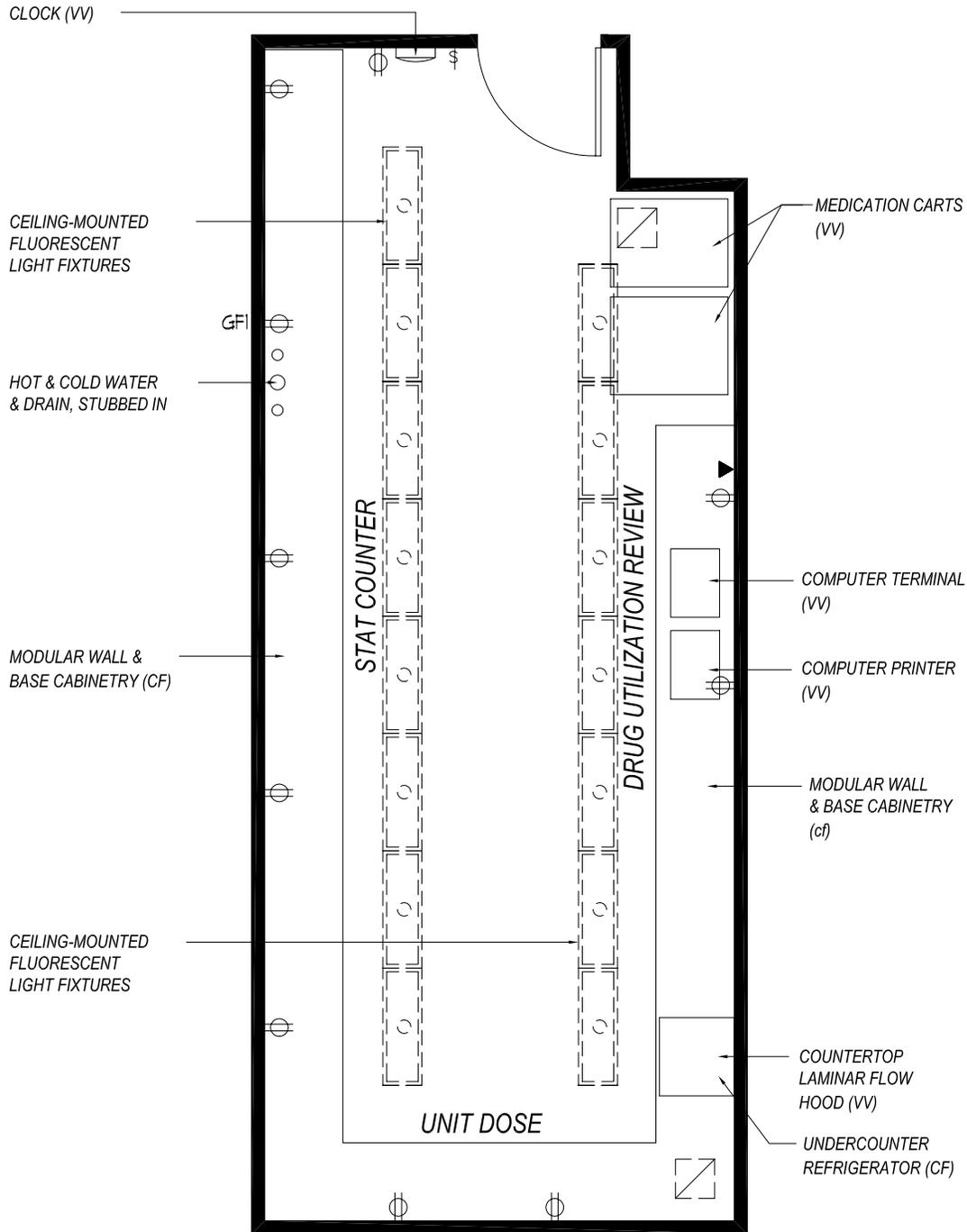
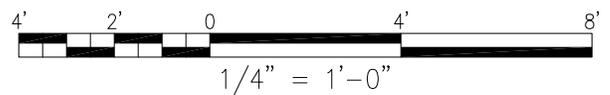


Figure IV-48



## Medication Prep 35-A

### Function:

In this area medications are dispensed, cassette transfers are made and some IVs are prepared providing immediate service to SCI Nursing Units.

This is an inpatient function and should be located in proximity to the nursing units.

### Space Requirement:

390 NSF

### Architectural:

Finish Code: 6-B  
Floor Finish: Carpet  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: See PG-18-3, Topic 1, Security.  
Hardware: 157  
Doors: 3'-8" x 7'-0" wood or metal security door with peephole.  
Windows: None

### HVAC:

Temperature:  
    Summer: 78@50%RH  
    Winter: 72@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: Negative  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
    Lights: 825  
    Equipment: 660w  
    People: 400w, sensible  
            520w, latent

### Electrical:

Lighting Levels:  
    Gen. Illum: 70fc  
Emergency Power: -

## Medication Prep 35-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	2				VV	CART, MEDICATION APPROX. 22"W X 33"L X 44"H
	1				VV	TERMINAL (KEYBOARD AND CRT)
	1				VV	PRINTER, COMPUTER SYSTEM, WITH KEYBOARD (RECEIVE & TRANSMIT)
	AR				CF	MODULAR, WALL AND BASE CABINETS
	1				VV	HOOD, LAMINAR FLOW, COUNTER TOP, 23" WIDE
	1				CF	REFRIGERATOR, UNDERCOUNTER, 5 CU. FT., 120 VOLT, 20 AMP, 24"W X 38"H (PG-18-1, MCS 12340)
	1				VV	CLOCK, BATTERY OPERATED
	1				CC	RECEPTACLE, ELECTRICAL, 120 VOLT, 20 AMP WITH GROUND FAULT INTERRUPTER (PG-18-1, MCS 16140)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-52  
MEDICATION PREP**

# Home Environment Clinic 36

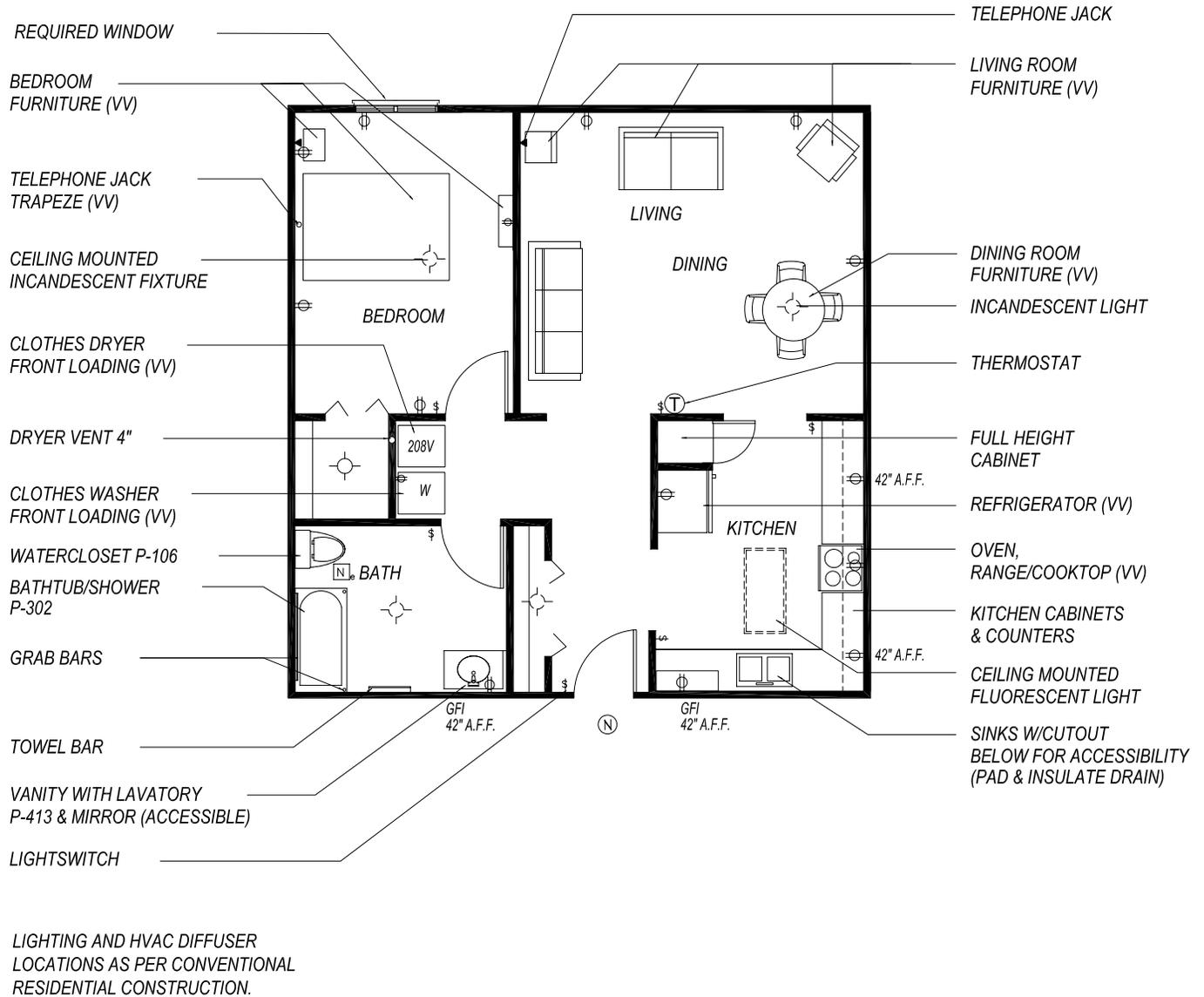
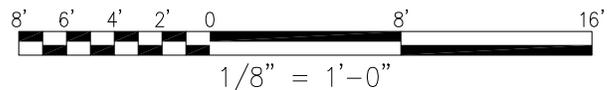


Figure IV-49



## Home Environment Clinic/Living-Dining 36-A

### Function:

The Home Environment Clinic is intended to prepare the SCI patient for the transition to independence. It should present the patient with the same conditions that might be found in the average rental apartment. Prior to discharge a patient (and spouse) will actually live here for a period of 1-2 weeks. This should be located some distance from the Nurse Station to encourage self-reliance. An outside entrance is desirable.

### Space Requirement:

450 NSF

### Architectural:

Finish Code:	6-A
Floor Finish:	Carpet
Base:	Vinyl
Wall Finish:	GWB-Vinyl Fabric
Ceiling:	Acoustical Tile
Ceiling Height:	8'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	23 (Entrance Hall)
Doors:	3'-0" x 7'-0" wood
Windows:	Desirable

### HVAC:

Temperature:	
Summer:	72@50%RH
Winter:	82@30%RH
Min. Air Changes/Hour:	None (see HVAC Note 3)
Min. % Outside Air:	15%
Pressure:	(0)
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	35
A/C Loads:	
Lights:	100w
Equipment:	300w
People:	300w, sensible
	300w, latent

### Electrical:

Lighting Levels:	
Varies	
Emergency Power:	
Ceiling Light in Central Hall	

## Home Environment Clinic/Living-Dining 36-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1				VV	SOFA, 3 SEAT UPHOLSTERED, APPROX 83"W X 33"D X 28"H
	2				VV	CHAIR, UPHOLSTERED, REGULAR
	1				VV	CHAIR, CUSHION LIFT
	1				VV	TABLE, COFFEE, APPROX 41"W X 20"D X 15"H
	2				VV	TABLE, END APPROX 20"W X 26"D X 20"H
	2				VV	LAMP, TABLE TYPE
	1				CC	OUTLET, MASTER TELEVISION ANTENNA (PG-18-1, MCS 16781)
	1				VV	RECEIVER, TELEVISION 120 VOLT, 20 AMP
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				VV	TABLE, DINING APPROX. 36"W X 36"D
	4				VV	CHAIR, DINING, APPROX 18"W X 18" D

**TABLE IV-53**  
**HOME ENVIRONMENT CLINIC/LIVING-DINING**

## Home Environment Clinic/Kitchen 36-B

### Function:

This space is intended to allow the SCI patient to demonstrate independence prior to discharge.

### Space Requirement:

160 NSF

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard  
Ceiling: Acoustical Tile  
Ceiling Height: 8'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: N/A  
Doors: Not Required  
Windows: Not Required

### HVAC:

Temperature:  
    Summer: 78@50%RH  
    Winter: 72@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: Negative  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 35  
A/C Loads:  
    Lights: 150w  
    Equipment: 450w  
    People: 100w, sensible  
          130w, latent

### Electrical:

Lighting Levels:  
    Gen. Illum: 30fc  
Emergency Power: -

## Home Environment Clinic/Kitchen 36-B

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1				VV	CAN OPENER, ELECTRIC, 120 VOLT, 20 AMP
	1				VV	MIXER, ELECTRIC, 120 VOLT, 20 AMP
	1				VV	REFRIGERATOR – FREEZER, DOMESTIC, 120 VOLT, 20 AMP APPROX., 31"W X 28"D X 66"H
	1				VV	OVEN, ELECTRIC, BUILT IN SINGLE COMPARTMENT, DOMESTIC, 208 VOLT, 25 AMP SINGLE PHASE, SIDE HINGE
	1				VV	RANGE, ELECTRIC, 4 BURNERS, FRONT CONTROLS, DOMESTIC, 208 VOLT, 40 AMP, SINGLE PHASE
	1				CC	CONNECTIONS, PLUMBING, ELECTRICAL OR MECHANICAL AS REQUIRED
	AR				CC	RECEPTACLE, ELECTRICAL, 208 VOLT, 40 AMP (PG-18-1, MCS 16140)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				CC	CABINET, KITCHEN, WALL MOUNTED, DOMESTIC (PG-18-1, MCS 11450 & 11451)
	1				CC	CABINET, KITCHEN BASE, WITH WORK TOP AND SINK, DOMESTIC (PG-18-1, MCS 11450 & 11451)
	1				VV	CLOCK, BATTERY OPERATED

**TABLE IV-54  
HOME ENVIRONMENT CLINIC/KITCHEN**

## Home Environment Clinic/Bedroom 36-C

### Function:

This space is intended to allow the SCI patient to demonstrate independence prior to discharge.

### Space Requirement:

175 NSF

### Architectural:

Finish Code: 6A  
Floor Finish: Carpet  
Base: Vinyl  
Wall Finish: GWB-Vinyl Fabric Wallcover  
Ceiling: Acoustical Tile  
Ceiling Height: 8'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: 7  
Doors: 3'-0" x 7'-0" wood  
Windows: Required by Code

### HVAC:

Temperature:  
    Summer: 72@50%RH  
    Winter: 82@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: (0)  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 35  
A/C Loads:  
    Lights: 150w  
    Equipment: 300w  
    People: 150w, sensible  
          150w, latent

### Electrical:

Lighting Levels:  
    Gen. Illum: 20fc  
Emergency Power:  
    Nurse Call

## Home Environment Clinic/Bedroom 36-C

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	2				VV	BED, WITH HEADBOARD AND TRAPEZE
	1				VV	DRESSER, WITH MIRROR, SIZE AND REQUIRED
	1				VV	CHAIR, STRAIGHT OR ROTARY
	1				VV	NIGHT STAND WITH DRAWER APPROX. 18"W X 18"D X 24"H
	1				CC	CALL, NURSES-EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
	1				CC	TRAPEZE, OVERHEAD (PG-18-1, MCS 05500)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-55  
HOME ENVIRONMENT CLINIC/BEDROOM**

## Home Environment Clinic/Bathroom 36-D

### Function:

This space is intended to allow the SCI patient to demonstrate independence prior to discharge.

### Space Requirement:

75 NSF

### Architectural:

Finish Code:	2-G
Floor Finish:	Ceramic Tile (slip-resistant)
Base:	Ceramic Tile
Wall Finish:	GWB/Ceramic Wainscot* 4'-0"
Ceiling:	Acoustical Tile; Plaster at Tub
Ceiling Height:	8'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	14
Doors:	3'-0" x 7'-0" wood
Windows:	Not Required

### HVAC:

Temperature:	
Summer:	-
Winter:	82
Min. Air Changes/Hour:	10(100% Exhaust)
Min. % Outside Air:	-
Pressure:	Negative
% Filtration:	-
Noise Criteria:	35
A/C Loads:	
Lights:	-
Equipment:	-
People:	-

### Electrical:

Lighting Levels:	
Gen. Illum:	20fc
Emergency Power:	
Nurse Call	
Ceiling Light	

## Home Environment Clinic/Bathroom 36-D

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
P-302	1				CC	TUB, BATH, RECESSED, WITH SHOWER AND PRESSURE BALANCING VALVE, 60" X 30" X 16" (PG-18-1, MCS 15450; PG-18-4, SD 10800-4.DWG)
	2				CC	BAR, GRAB, UPRIGHT AND ANGULAR, AROUND TUB (PG-18-1, MCS 10800; PG-18-4, SD 10800-4.DWG)
P-106	1				CC	WATER CLOSET, FLUSH TANK TYPE (PG-18-1, MCS 15450)
	1				CC	BAR, GRAB FOR WATER CLOSET (PG-18-1, MCS 10800; PG-18-4, SD 10162-1.DWG)
P-413	1				CC	LAVATORY, COUNTER MOUNTED, 19" DIAMETER WRIST BLADE HANDLES, GOOSENECK, SPOUT (PG-18-1, MCS 15450)
	1				CC	MIRROR, HEAT TEMPERED GLASS, OVER LAVATORY (PG-18-1, MCS 10800; H-08-4, 10800-7.DWG)
	1				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP, WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1, MCS 16140)
	1				CC	NURSE CALL-EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)
	1				VV	WASHER, CLOTHES, FRONT LOADING AND FRONT CONTROL COMMERCIAL, 120 VOLT, 20 AMP
P-808	1				CC	WASHING MACHINE SUPPLY AND DRAIN UNITS (PG-18-1, MCS 15450; H-08-4, SD 15400-9.DWG)
	1				VV	DRIER, CLOTHES, FRONT LOADING AND FRONT CONTROL COMMERCIAL, 208 VOLT, 30 AMP, SINGLE PHASE
	1				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				CC	RECEPTACLE, ELECTRICAL, 208 VOLT, 40 AMP (PG-18-1, MCS 16140)
	1				CC	CONNECTIONS, PLUMBING, ELECTRICAL OR MECHANICAL AS REQUIRED

**TABLE IV-56**  
**HOME ENVIRONMENT CLINIC/BATHROOM**



## Hydrotherapy 37

### Function:

This space is intended to provide hydrotherapy facilities for SCI Inpatients. Treatments include both muscular and skin reconditioning therapies. This space should be located adjacent to and accessed through the Physical Therapy Clinic.

### Space Requirement:

384 NSF

### Architectural:

Finish Code:	2-C
Floor Finish:	Ceramic Tile (slip-resistant)
Base:	Ceramic Tile
Wall Finish:	Ceramic Tile
Ceiling:	Plaster/Paint
Ceiling Height:	9'-0"
Noise (STC Rating):	30
Slab Depression:	4" ceramic tile sloped to drain. See PG-18-3, Topic 6, Floor Slab Depressions.
Special Construction:	-
Hardware:	69
Doors:	4'-0" x 7'-0" wood or metal
Windows:	None Required

### HVAC:

Temperature:	
Summer:	-
Winter:	82
Min. Air Changes/Hour:	6 (100% Exhaust)
Min. % Outside Air:	15%
Pressure:	(0)
% Filtration:	30%(PF)
Noise Criteria:	45
A/C Loads:	
Lights:	300w
Equipment:	600w, sensible, 1200w
People:	500w, sensible 650w, latent

### Electrical:

Lighting Levels:	
Gen. Illum:	20fc
Emergency Power:	
One Ceiling Light	
Nurse Call	

## Hydrotherapy 37

### Equipment Table:

**A** - Not Applicable.

**B** - Not Applicable.

**C** - Physical Therapy Clinics for Spinal Cord Injury Centers of 61-100 Beds.

**D** - Physical Therapy Clinics for Spinal Cord Injury Centers of over 100 Beds.

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
			2	3	CF	TANK, HYDROTHERAPY WHIRLPOOL, FULLBODY IMMERSION, ADJUSTABLE (CURVILINEAR OR RECTANGULAR) APPROX. OUTSIDE DIMENSIONS LENGTH OF TANK 102", WIDTH AT HEAD END 74", DEPTH OF TANK 38", HEIGHT FLOOR TO RIM 34" (PG-18-1, MCS 11491) PG-18-6, SD 11491-1.DWG)
			2	3	CC	HOIST, OVERHEAD WITH CRADLE, ¼ HP MOTOR FOR EACH TANK (TO EXTEND BEYOND TANK) OPTIONAL - DEPENDS ON FULLBODY TANK PURCHASED (PG-18-1, MCS 11491)
			6	6	CC	TRACK, CURTAIN, CUBICLE, CEILING TYPE, SURFACE MOUNTED (PG-18-1, MCS 10152)
			AR	AR	VV	CURTAIN, CUBICLE
P-414			1	1	CC	LAVATORY, STRAIGHT, BACK, WRIST CONTROL, GOOSENECK SPOUT, 20" X 18" AND 3½ " APRON (PG-18-1, MCS 15450)
			1	1	CC	MIRROR, 16" X 20", WITH INTEGRAL SHELF, OVER LAVATORY (PG-18-1, MCS 10800; H-08-4, SD 15)
			1	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
			1	1	VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED
			AR	AR	VV	RECEPTACLE, WASTE, STEP ON TYPE, APPROX. 12" DIAMETER
			2	2	CC	DRAIN, FLOOR (PLUMBING DESIGN CRITERIA AND INSTRUCTIONS)
			2	2	VV	TRUCK, CANVAS (LAUNDRY TYPE) APPROX. 48"W X 36"D
HT 102			2	2	CF	BATH, HYDROTHERAPY, WHIRLPOOL, ARM, LEG, HIP, COMBINATION STATIONARY, APPROX. 20"W X 36"L X 28"D (PG-18-1, MCS 11491; H-08-6, ES 517)
HT 103			2	2	CF	BATH, HYDROTHERAPY, WHIRLPOOL, "LOW PROFILE", STATIONARY, APPROX. 24"W X 60"L X 18"D (H-08-1, MCS 11491; PG-18-6, SD 11491-1.DWG)
			3	3	CF	STOOL, STAINLESS STEEL, REVOLVING
			1	1	VV	CLOCK, BATTERY OPERATED
			AR	AR	CF	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-57  
HYDROTHERAPY**

# Combined Physical and Kinesiotherapy- Treatment Clinic 30 Beds 38

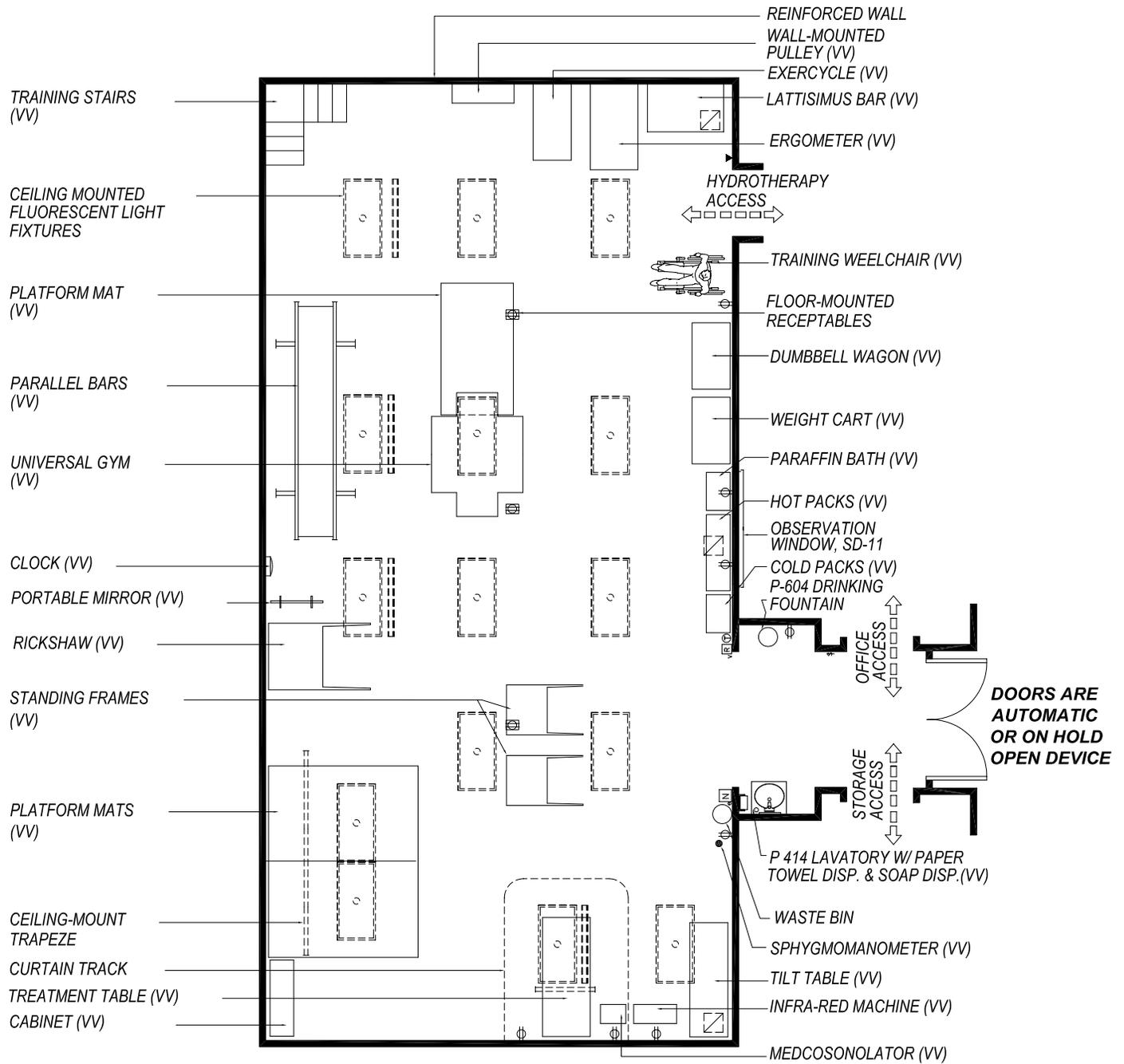
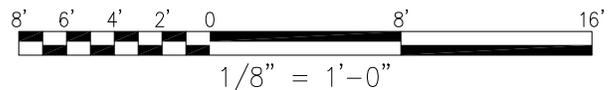


Figure IV-51



## Combined Physical and Kinesiotherapy – Treatment Clinic 30 Beds 38

### Function:

This space is intended to accommodate a wide variety of therapy techniques: manual (massage) and electronic (Infrared, Medcosonolator) and thermal (hot and cold packs.) SCI patients attend this clinic on a daily basis for therapy, exercise and evaluation.

### Space Requirement:

30 SCI Beds or less: 1200 NSF

### Architectural:

Finish Code: 1-A  
 Floor Finish: Vinyl Composition Tile  
 Base: Vinyl  
 Wall Finish: Gypsum Wallboard/Paint  
 Ceiling: Acoustical Tile  
 Ceiling Height: 9'-6"  
 Noise (STC Rating): 30  
 Slab Depression: None  
 Special Construction: Wall-mounted pulleys require a reinforced wall with hardwood, Veneer plywood surface; see Mspec #06200.  
 Hardware: 82  
 Doors: 2@3'-0" x 7'-0" wood or metal, upper half=laminated safety glass.  
 Windows: Desirable, see PG-18-3, Topic 1, Codes and Standards

### HVAC:

Temperature:  
 Summer: 78@50%RH  
 Winter: 72@30%RH  
 Min. Air Changes/Hour: None (see HVAC Note 3)  
 Min. % Outside Air: 15%  
 Pressure: (0)  
 % Filtration: 30%(PF)/85%(AF)  
 Noise Criteria: 40  
 A/C Loads:  
 Lights: 1200w  
 Equipment: 900w  
 People: 1440w, sensible  
 3000w, latent

### Electrical:

Lighting Levels:  
 Gen. Illum: 30fc  
 Emergency Power:  
 One Ceiling Light  
 Nurse Call

## Combined Physical and Kinesiotherapy – Treatment Clinic 30 Beds 38

### Equipment Table:

- A** - Combined Physical and Corrective Therapy Clinics for Spinal Cord Injury Centers of 0-30 Beds.  
**B** - Combined Physical and Corrective Therapy Clinics for Spinal Cord Injury Centers of 31-60 Beds.  
**C** - Not Applicable.  
**D** - Not Applicable.

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	2	4			VV	PLATFORM, MAT, 72"W X 96"L X 18"H OR 48"W X 84"L X 18"H
	1	1			VV	GYM, UNIVERSAL, APPROX. 84" X 84" X 84"  NOTE: THE MEDICAL CENTER MAY SUBSTITUTE A PLATFORM MAT FOR THE UNIVERSAL GYM. THIS ELIMINATES THE NEED FOR A SEPARATE LATISSIMUS BAR AND CEILING MOUNTED PULLEY.
	1	2			VV	TABLE, TREATMENT, HI-LO ELECTRICAL 120 VOLT, 20 AMP, 30"W X 78"L X 32"H
	2	3			VV	FRAMES, STANDING, 32"W X 42"L X 60"H
	1	1			VV	BARS, PARALLEL, APPROX. 26"W X 180"L X 40"H
		1			VV	BARS, PARALLEL, APPROX. 26"W X 144"L X 40"H
	1	2			VV	TABLE, TILT, ELECTRICAL, 120 VOLT, 20 AMP, 28"W X 76"L X 32"H
	1	2			VV	PULLEY, OVERHEAD, CEILING MOUNTED
	2	4			VV	PULLEY, WALL, TRIPLEX APPROX. 38"W X 12"D X 96"H
	1	1			VV	RICKSHAW, APPROX. 42"W X 62"L X 30"H
	1	2			VV	EXERCYCLE, ELECTRIC, 120 VOLT, 20 AMP, APPROX. 24"W X 48"L X 40"H
	1	1			VV	BAR, LATISSIMUS, APPROX. 32"W X 50"L X 96"H
	1	2			VV	CART, WEIGHT, APPROX. 26"W X 36"L X 54"H
	1	2			VV	WAGON, DUMBELLS, APPROX. 25"W X 46"L X 41"H
	2	4			VV	MIRROR, SINGLE, WALL MOUNTED, FULL LENGTH, APPROX. 24"W X 4"D X 72"H
		1			VV	MIRROR, POSTURE, 3-WAY, APPROX. 81"W X 12"D X 72"H
	1	1			VV	BATH, PARAFFIN, ARM, HAND AND FOOT, APPROX. 12"W X 25"L X 36" H
	1	1			VV	STAIRS, EXERCISE, APPROX. 39"W X 54"L X 59"H
	4	6			VV	WHEELCHAIRS, TEACHING, APPROX. 26"W X 57"L X 36"H

**TABLE IV-58  
COMBINED PHYSICAL AND KINESIOTHERAPY –  
TREATMENT CLINIC, 30 BEDS**

## Combined Physical and Kinesiotherapy – Treatment Clinic 30 Beds 38

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1	2			VV	CABINET, STORAGE, METAL, 2 DOORS WITH LOCK, 48"W X 18"D X 78"H
	1	1			VV	ERGOMETER, UPPER EXTREMITIES, APPROX. 29"W X 52"L X 52"H
	1	2			VV	LIFT, HYDRAULIC, APPROX. 22"W X 36"L X 60"H
	2	3			VV	MACHINE, INFRA-RED, APPROX. 15" W X 30"L X 66"H
	1	2			VV	MACHINE MEDCOSONALATOR, APPROX. 16"W X 24"L X 33"H
	1	1			VV	HYDROCOLLATOR, COLD-PAK TYPE, 15 1/2"W X 17 1/2"L (INCLUDING HANDLES) X 31"H
	1	1			VV	HYDROCOLLATOR, HOT, 12-PACK, APPROX. 16"W X 48"L X 31"H
P-414	1	1			CC	LAVATORY, STRAIGHT, BACK, WRIST CONTROL, GOOSENECK SPOUT, 20" X 18" AND 3 1/2" APRON (PG-18-1, MCS 15450)
	1	1			VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1			VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED
	1	1			VV	RECEPTACLE, WASTE, STEP ON TYPE, APPROX. 12" DIAMETER
	1	1			VV	CLOCK, BATTERY OPERATED
P-604	1	1			CC	DISPENSER, DRINKING WATER, WHEELCHAIR, MECHANICALLY COOLED, WALL HUNG, SELF-CONTAINED, APPROXIMATELY 18"W X 18"D X 25"H (SEE ARCHITECTURE DRAWING FOR EXACT LOCATION) (PG-18-1, MCS 15450)
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-58 (CONT'D)  
COMBINED PHYSICAL AND KINESIOTHERAPY –  
TREATMENT CLINIC, 30 BEDS**

Combined Physical and Kinesiotherapy-  
Treatment Clinic 60 Beds 39

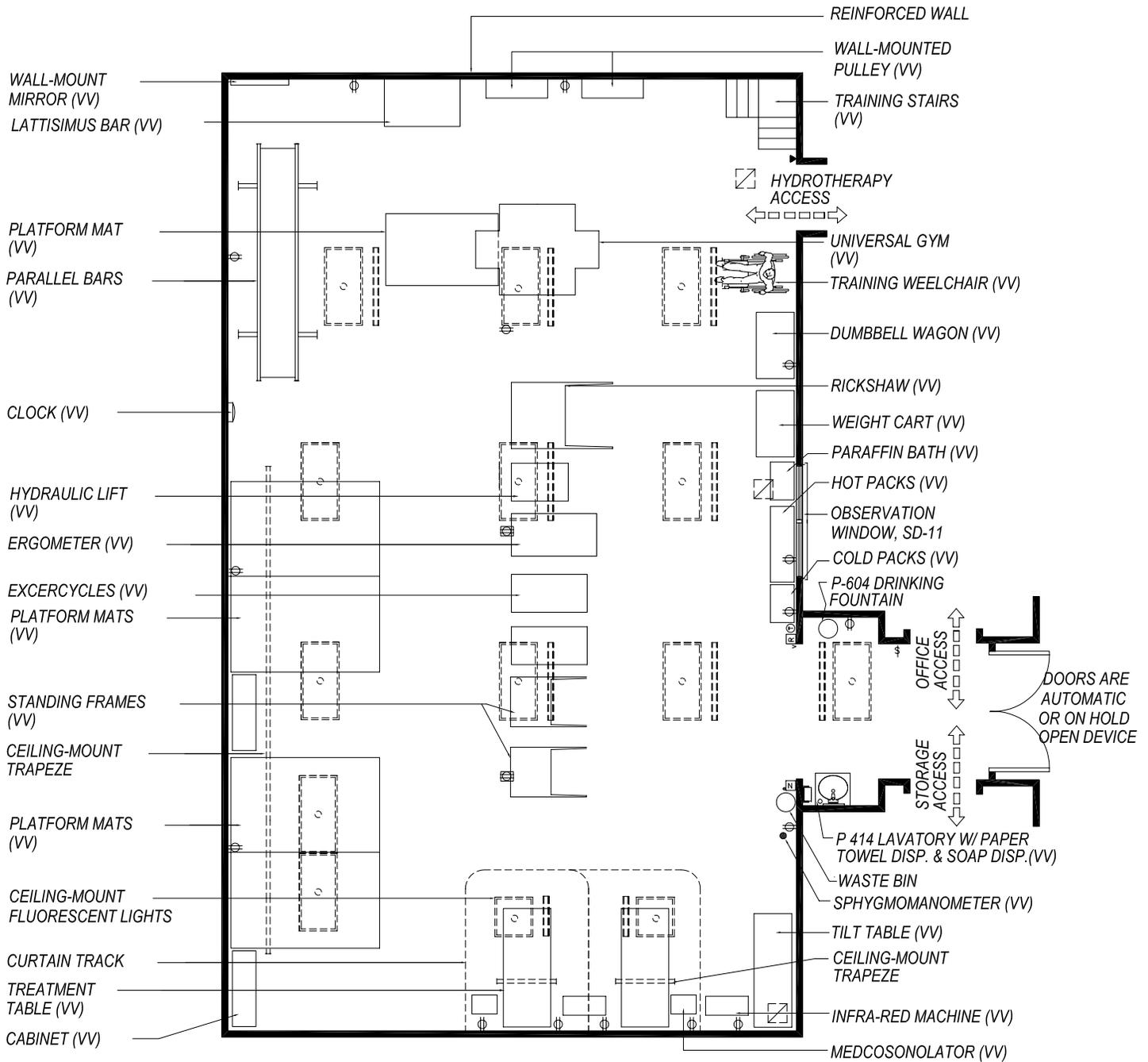
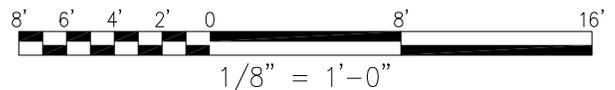


Figure IV-52



## Combined Physical and Kinesiotherapy – Treatment Clinic 60 Beds 39

### Function:

This space is intended to accommodate a wide variety of therapy techniques: manual (massage), electronic (infrared, medcosonolator) and thermal (hot/cold packs.) SCI patients attend this clinic on a daily basis for therapy, exercise and evaluation.

### Space Requirement:

60 SCI Beds: 1496 NSF

### Architectural:

Finish Code:	1-A
Floor Finish:	Vinyl Composition Tile
Base:	Vinyl
Wall Finish:	Gypsum Wallboard/Paint
Ceiling:	Acoustical Tile
Ceiling Height:	9'-6"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	Wall-mounted pulleys require a reinforced wall with hardwood veneer plywood surface, see Mspec #06200.
Hardware:	82
Doors:	2@3'-0" x 7'-0" wood or metal, upper half=laminated safety glass.
Windows:	Desirable, see PG-18-3, Topic 1, Codes and Standards.

### HVAC:

Temperature:	
Summer:	78@50%RH
Winter:	82@30%RH
Min. Air Changes/Hour:	None (see HVAC Note 3)
Min. % Outside Air:	15%
Pressure:	(0)
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	40
A/C Loads:	
Lights:	1050w
Equipment:	1250w
People:	1800w, sensible 3750w, latent

### Electrical:

Lighting Levels:	
Gen. Illum:	30fc
Emergency Power:	
One Ceiling Light	
Nurse Call	

### Equipment Table:

See Datasheet #38 for equipment (Column B).

Physical Therapy - Treatment Clinic 40

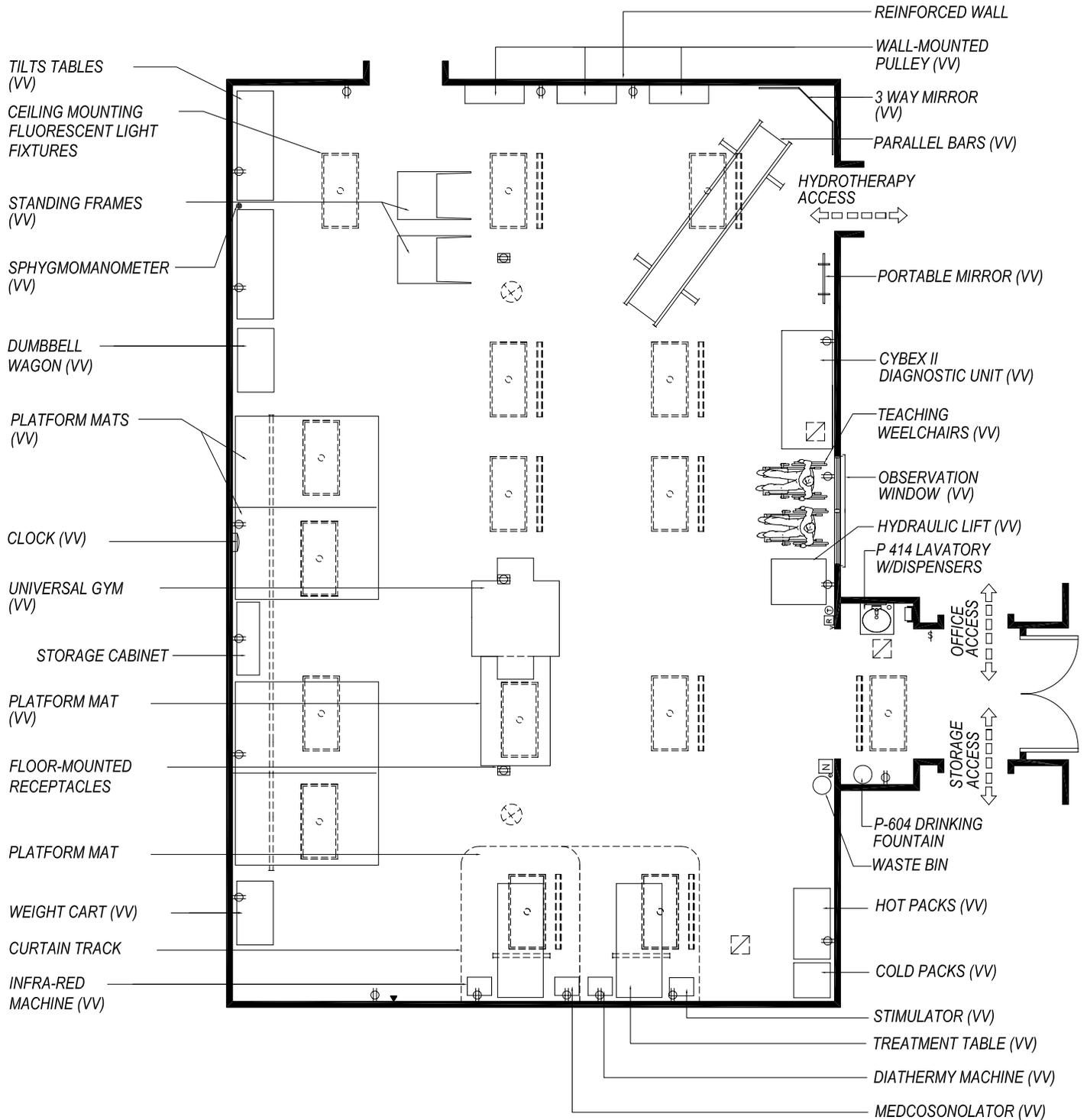
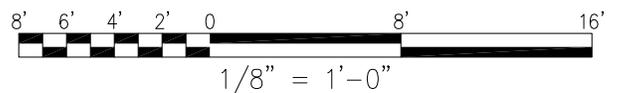


Figure IV-53



## Physical Therapy – Treatment Clinic 40

### Function:

This space is intended to provide facilities for manual and electronic therapies for the evaluation and rehabilitation of muscular function.

### Space Requirement:

61-100 SCI Beds: 1656 NSF  
Over 100 SCI Beds: 2000 NSF

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-6"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: Wall-mounted pulleys require a reinforced wall with hardwood veneer plywood surface, see Mspec #06200.  
Hardware: 82  
Doors: 2@3'-0" x 7'-0" wood or metal, upper half=laminated safety glass.  
Windows: Desirable, see PG-18-3, Topic 1, Codes and Standards.

### HVAC:

Temperature:  
Summer: 78@50%RH  
Winter: 82@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: (0)  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
Lights: 1200w  
Equipment: 1350w  
People: 1800w, sensible  
3750, latent

### Electrical:

Lighting Levels:  
Gen. Illum: 30fc  
Emergency Power:  
One Ceiling Light  
Nurse Call

## Physical Therapy – Treatment Clinic 40

### Equipment Table:

**A** - Not Applicable.

**B** - Not Applicable.

**C** - Separate Physical Therapy Clinics for Spinal Cord Injury Centers of 61-100 Beds.

**D** - Separate Physical Therapy Clinics for Spinal Cord Injury Centers of over 100 Beds.

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
			4	5	VV	PLATFORM, MAT, 72"W X 96"L X 18"H OR 48"W X 84"L X 18"H
			1	1	VV	GYM, UNIVERSAL, APPROX, 84" X 84" X 84"  NOTE: THE MEDICAL CENTER MAY SUBSTITUTE A PLATFORM MAT FOR THE UNIVERSAL GYM. THIS ELIMINATES THE NEED FOR A SEPARATE LATISSIMUS BAR AND CEILING MOUNTED PULLEY.
			2	3	VV	TABLE, TREATMENT, HI-LO ELECTRICAL 120 VOLT, 20 AMP, 30"W X 78"L X 32"H
			2	3	VV	FRAMES, STANDING, 32"W X 42"L X 60"H
			1	2	VV	BARS, PARALLEL, APPROX. 26"W X 180"L X 40"H
			2	2	VV	TABLE, TILT, ELECTRICAL, 120 VOLT, 20 AMP, 28"W X 76" L X 32"H
			1	2	VV	PULLEY, OVERHEAD, CEILING MOUNTED
			3	3	VV	PULLEY, WALL, TRIPLEX, APPROX. 38"W X 12"D X 96"H
			2	3	VV	EXERCYCLE, ELECTRIC, 120 VOLT, 20 AMP, APPROX. 24"W X 48"L X 40"H
			1	2	VV	BAR, LATISSIMUS, APPROX. 32"W X 50"L X 96"H
			2	3	VV	CART, WEIGHT, APPROX. 26W X 36"L X 54"H
			2	3	VV	WAGON, DUMBELLS, APPROX. 25"W X 46"L X 41"H
			2	3	VV	MIRROR, SINGLE, WALL MOUNTED, FULL LENGTH, APPROX. 24"W X 4"D X 72"H
			1	2	VV	MIRROR, POSTURE, 3-WAY, APPROX. 81"W X 12"D X 72"H
			1	1	VV	BATH, PARAFFIN, ARM, HAND AND FOOT, APPROX. 2"W X 25"L X 36"H
			1	1	VV	STAIRS, EXERCISE, APPROX, 39"W X 54"L X 59"H
			4	6	VV	WHEELCHAIRS, TEACHING, APPROX. 26"W X 57"L X 36"H
			2	3	VV	CABINET, STORAGE, METAL, 2 DOORS WITH LOCK, 48"W X 18"D X 78"H
			1	1	VV	CYBEX II MACHINE, APPROX. 120"W X 132"L X 40"H  NOTE: THE MEDICAL CENTER MAY SUBSTITUTE THE ABOVE EQUIPMENT FOR SOME OTHER PIECE SUCH AS A PLATFORM MAT

**TABLE IV-59**  
**PHYSICAL THERAPY – TREATMENT CLINIC**

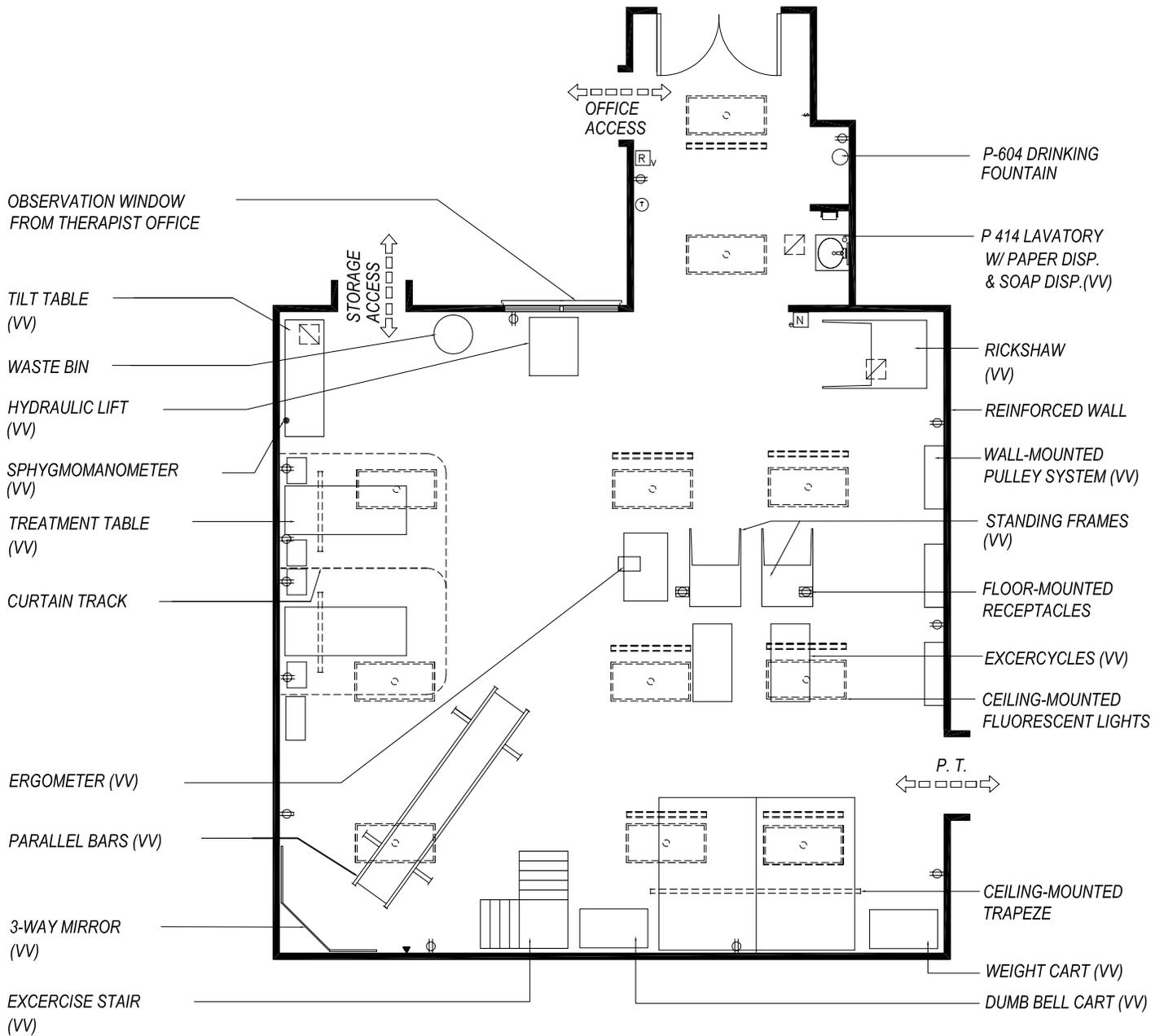
## Physical Therapy – Treatment Clinic 40

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
			2	2	VV	LIFT, HYDRAULIC, APPROX. 22"W X 36"L X 60"H
			3	4	VV	MACHINE, INFRA-RED, APPROX. 15"W X 30"L X 66"H
			3	4	VV	MACHINE, MEDCOSONALATOR, APPROX. 16"W X 24"L X 33"H
			1	2	VV	HYDROCOLLATOR, COLD-PAK TYPE, 15 1/2"W X 17 1/2"L (INCLUDING HANDLES) X 31"H
			2	3	VV	HYDROCOLLATOR, HOT, 12 PACK, APPROX. 16"W X 48"L X 31"H
			4	6	VV	CHAIR, STRAIGHT, WITH OR WITHOUT ARMS
			3	4	VV	STIMULATOR, ELECTRIC, 120 VOLT, 20 AMP, APPROX. 14"W X 24"L X 41"H
			2	2	VV	DIATHERMY, MICROWAVE, APPROX. 16" X 20"L X 33"H
			1	1	VV	CLOCK, BATTERY OPERATED
P-414			1	1	CC	LAVATORY, STRAIGHT, BACK, WRIST CONTROL, GOOSENECK SPOUT, 20" X 18" AND 3 1/2" APRON (PG-18-1, MCS 15450)
			1	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
			1	1	VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED
			1	1	VV	RECEPTACLE, WASTE, STEP ON TYPE, APPROX. 12" DIAMETER
P-604			1	1	CC	DISPENSER, DRINKING WATER, WHEELCHAIR, MECHANICALLY COOLED, WALL HUNG, SELF-CONTAINED, APPROXIMATELY 18"W X 18"D X 25"H (SEE ARCHITECTURE DRAWING FOR EXACT LOCATION) (PG-18-1, MCS 15450)
			AR	AR	CC	RECEPTACLE, ELECTRICAL, DUPLEX 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

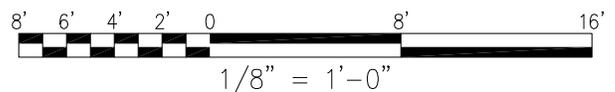
**TABLE IV-59 (CONT'D)**  
**PHYSICAL THERAPY – TREATMENT CLINIC**

## Kinesiotherapy-Treatment Clinic 41



ROOM SIZE IS VARIABLE, SEE PROJECT-SPECIFIC PROGRAM FOR ACTUAL SIZE.

Figure IV-54



## Kinesiotherapy – Treatment Clinic 41

### Function:

This space is intended to accommodate exercise and ambulation therapies.

### Space Requirement:

60-100 SCI Beds: 1080 NSF  
Over 100 SCI Beds: 1200 NSF

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-6"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: Wall-mounted pulleys require a reinforced wall with hardwood veneer plywood surface, see Mspec #06200.  
Hardware: 82  
Doors: 2@3'-0" x 7'-0" wood or metal, upper half=laminated safety glass.  
Windows: Desirable, see PG-18-3, Topic 1, Codes and Standards.

### HVAC:

Temperature:  
Summer: 78@50%RH  
Winter: 82@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: (0)  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
Lights: 900w  
Equipment: 1050w  
People: 1440w, sensible  
3000w, latent

### Electrical:

Lighting Levels:  
Gen. Illum: 30fc  
Emergency Power:  
One Ceiling Light  
Nurse Call

## Kinesiotherapy – Treatment Clinic 41

### Equipment Table:

**A** - Not Applicable.

**B** - Not Applicable

**C** - Separate Corrective Therapy Clinics for Spinal Cord Injury Centers of 61-100 Beds.

**D** - Separate Corrective Therapy Clinics for Spinal Cord Injury Centers of over 100 Beds.

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
			3	4	VV	PLATFORM, MAT, 72"W X 96"L X 18"H OR 48"W X 84"L X 18"H
			2	3	VV	TABLE, TREATMENT, HI-LO ELECTRICAL 120 VOLT, 20 AMP, 30"W X 78"L X 32"H
			2	3	VV	FRAMES, SANDING, 32"W X 42"L X 60"H
P-414			1	1	CC	LAVATORY, STRAIGHT, BACK, WRIST CONTROL, GOOSENECK SPOUT, 20" X 18" AND 3 1/2" APRON (PG-18-1, MCS 15450)
			1	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
			1	1	VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED
				1	VV	BARS, PARALLEL, APPROX. 26"W X 180"L X 40"H
			1	1	VV	BARS, PAPPALLEL, APPROX. 26" X 144"L X 40"H
			2	2	VV	TABLE, TILT, ELECTRICAL, 120 VOLT, 20 AMP, 28"W X 76"L X 32"H
			3	4	VV	PULLEY, WALL, TRIPLEX, APPROX. 36"W X 12"D X 96"H
			2	2	VV	PULLEY, OVERHEAD, CEILING MOUNTED
			2	2	VV	EXERCISER, LATISSIMUS DORSI, WALL MOUNTED
			2	2	VV	RICKSHAW, APPROX. 42"W X 62"L X 30"H
			2	2	VV	EXERCYCLE, ELECTRIC, 120 VOLT, 20 AMP, APPROX. 24"W X 48"L X 40"H
			1	2	VV	BAR, LATISSIMUS, APPROX. 32"W X 50"L X 96"H
			2	2	VV	CART, WEIGHT, APPROX. 26"W X 36"L X 54"H
			2	2	VV	WAGON, DUMBELLS, APPROX. 25"W X 46"L X 41"H
			1	2	VV	MIRROR, POSTURE, 3-WAY, APPROX. 81"W X 12"DX 72"H
			2	3	VV	MIRROR, SINGLE, WALL MOUNTED, FULL LENGTH, APPROX, 24"W X 4"D X 72"H
			1	1	VV	STAIRS, EXERCISE, APPROX. 39"W X 54"L X 59"H

**TABLE IV-60**  
**KINESIOTHERAPY – TREATMENT CLINIC**

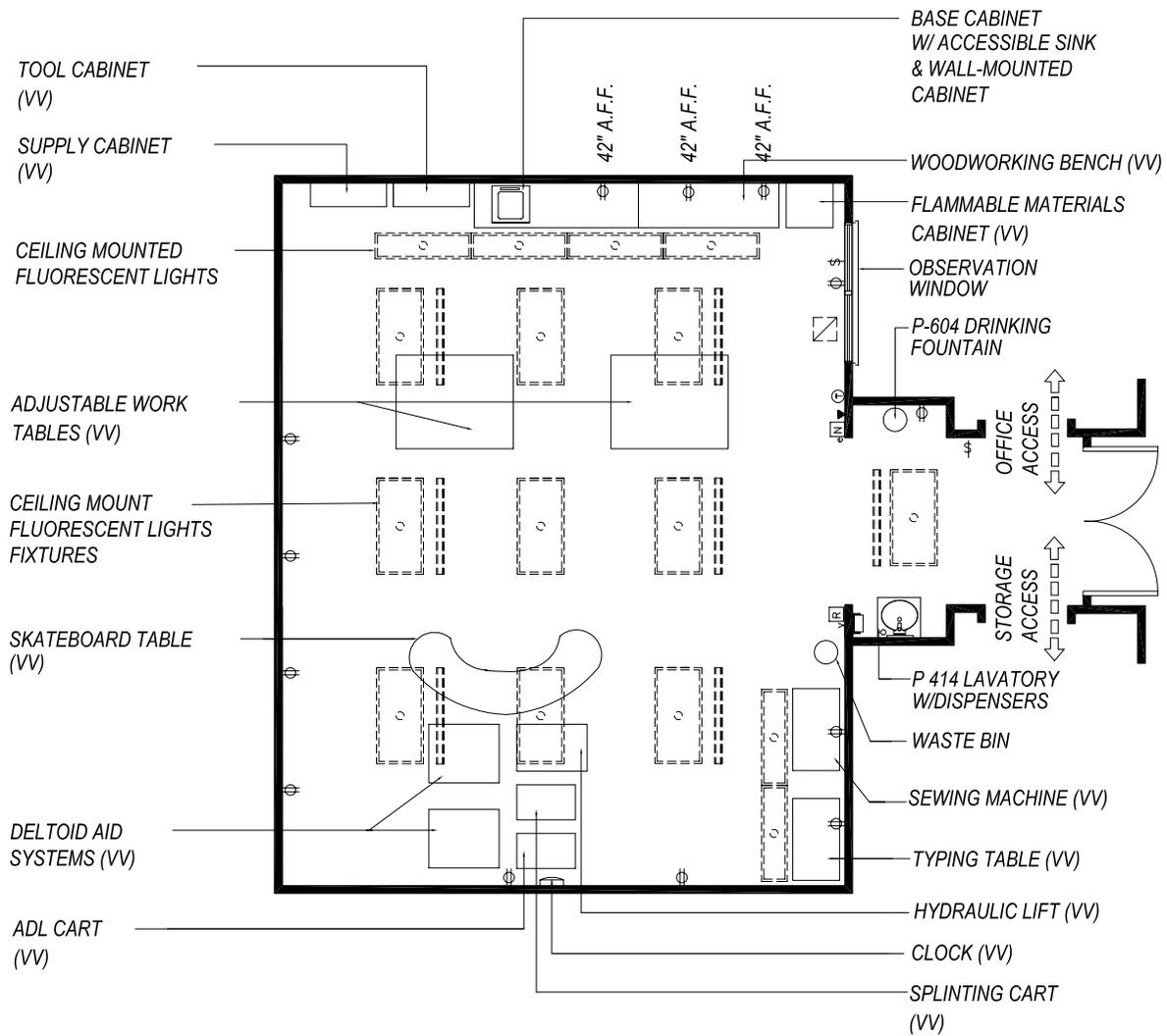
## Kinesiotherapy – Treatment Clinic 41

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
			1	1	VV	GYM, UNIVERSAL, APPROX. 84" X 84" X 84"  NOTE: THE MEDICAL CENTER MAY SUBSTITUTE A PLATFORM MAT FOR THE UNIVERSAL GYM. THIS ELIMINATES THE NEED FOR A SEPARATE LATISSIMUS BAR AND CEILING MOUNTED PULLEY.
			2	3	VV	CABINET, STORAGE, METAL, 2 DOORS WITH LOCK, 48"W X 18"D X 78"H
			1	1	VV	CYBEX II MACHINE, APPROX. 120"W X 132"L X 40"H
			1	1	VV	ERGOMETER, UPPER EXTREMITIES, APPROX. 29"W X 52"L X 52"H
			2	2	VV	LIFT, HYDRAULIC, APPROX. 22"W X 36"L X 60"H
			4	6	VV	CHAIR, STRAIGHT, WITH OR WITHOUT ARMS
			1	1	VV	CLOCK, BATTERY OPERATED
P-604			1	1	CC	DISPENSER, DRINKING WATER, WHEELCHAIR, MECHANICALLY COOLED, WALL HUNG, SELF-CONTAINED, APPROXIMATELY 18"W X 18"D X 25"H (SEE ARCHITECTURE DRAWING FOR EXACT LOCATION) (PG-18-1, MCS 15450)
			AR	AR	CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

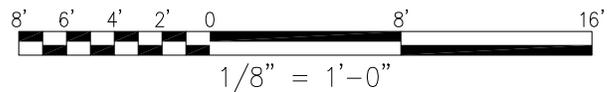
**TABLE IV-60 (CONT'D)**  
**KINESIOTHERAPY – TREATMENT CLINIC**

## Occupational Therapy - Treatment Clinic 42



ROOM SIZE IS VARIABLE, SEE PROJECT-SPECIFIC PROGRAM FOR ACTUAL SIZE.

Figure IV-55



## Occupational Therapy – Treatment Clinic 42

### Function:

This space is intended to accommodate physical, psychosocial and vocational evaluation and therapy.

### Space Requirement:

0-30 SCI Beds: 720 NSF  
31-60 SCI Beds: 780 NSF  
61-100 Beds: 1080 NSF  
Over 100 SCI Beds: 1344 NSF

### Architectural:

Finish Code: 1-A  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Gypsum Wallboard/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 9'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: 82  
Doors: 2@ 3'-0" x 7'-0" wood or metal, upper half=laminated safety glass.  
Windows: Desirable, see PG-18-3, Topic 1, Codes and Standards.

### HVAC:

Temperature:  
Summer: 78@50%RH  
Winter: 82@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: (0)  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
Lights: 1350w  
Equipment: 1050w  
People: 1440w, sensible  
3000w, latent

### Electrical:

Lighting Levels:  
Gen. Illum: 30fc  
Emergency Power:  
One Ceiling Light  
Nurse Call

## Occupational Therapy – Treatment Clinic 42

### Equipment Table:

- A** - Occupational Clinics located in SCI Centers of 0-30 Beds.
- B** - Occupational Clinics located in SCI Centers of 31-60 Beds.
- C** - Occupational Clinics located in SCI Centers of 61-100 Beds.
- D** - Occupational Clinics located in SCI Centers of over 100 Beds.

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	2	3	3	4	VV	TABLE, WORK ADJUSTABLE, APPROX. 48"W X 60"L X 36"H
	1	2	2	3	VV	TABLE, WORK INDIVIDUAL, APPROX. 40W X32"L X 36"H
	1	2	2	3	VV	TABLE, TYPEWRITER, APPROX. 18"W X 45"L X 36"H
	1	2	2	3	VV	TABLE, SKATE BOARD, APPROX. 48"W X 60"L X 36"H
	1	1	2	3	VV	TABLE, POWDER BOARD, APPROX. 42"W X 30"L X 7"H
	1	1	2	2	VV	TABLE, OVER-BED, ADJUSTABLE HEIGHT, ON CASTERS, APPROX. 20"W X 36"L
	1	1	2	2	VV	BENCH, WOODWORKING, APPROX. 28"W X 60"L X 38"H
	1	1	1	2	VV	MACHINE SEWING, APPROX. 22"W X 48"L X 31"H
	2	2	3	4	VV	DELTOID AID SYSTEM, APPROX. 28"W X 37"L X 78"H
	1	1	1	2	W	CABINET, FLAMMABLE LIQUID STORAGE (PAINT, ETC.). FLAMMABLE LIQUIDS TO BE AS DEFINED IN CHAPTER 1 OF FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE, NFPA NO. 30. CABINET SHALL CONFORM TO REQUIREMENTS OF PARAGRAPHS 4220 AND 4221 OF CHAPTER IV. OF ABOVE CODE. CABINET OF 45 GALLON CAPACITY, 43" X 18"D X 65"H
T-13	1	2	2	3	CC	CABINET, STORAGE, WITH SLOPING TOP, 2 HINGED PANEL DOORS, LOCK, AND 5 ADJUSTABLE SHELVES, 48"W X 18"D X 84"H (PG-18-1, MCS 12301)
T-8A	1	2	2	3	CC	CABINET, TOOL STORAGE, 2 DOOR, 3 SHADOW BOARDS, FOUR DRAWERS, ALL WITH LOCKS, 48"W X 16"D X 80"H (PG-18-1, MCS 12301)
	1	1	1	1	VV	CART, SPLINTING, APPROX 18"W X 27"L X 39"H
	1	1	1	2	VV	CART, FOR ACTIVITIES OF DAILY LIVING EQUIPMENT, APPROX. 20"W X 26"L X 44"H
	1	1	2	3	VV	FRAMES, STANDING, 32"W X 42"L X 60"H
	6	12	20	32	VV	CHAIR, STRAIGHT, WITH OR WITHOUT ARMS
	1	1	2	2	VV	UNIT, COUNTER-BALANCE, APPROX. 42"W X 36"L X 60"H
	1	1	2	2	VV	LIFT, HYDRAULIC, APPROX. 22"W X 36"L X 60"H

**TABLE IV-61  
OCCUPATIONAL THERAPY – TREATMENT CLINIC**

## Occupational Therapy – Treatment Clinic 42

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
T-1B	1	1	1	1	CC	CABINET, ASSEMBLY, WITH 2 UNDERCOUNTER UNITS TO HAVE 1 DRAWER, 1 HINGED DOOR AND 1 ADJUSTABLE SHELF, SINK CABINET TO HAVE 2 HINGED DOORS, TOTAL SIZE 84"W X 22"D X 36"H. WALL CABINETS TO BE WITH SLOPING TOP, 2 GLAZED SLIDING DOORS AND 2 ADJUSTABLE SHELVES, COUNTER TOP OF CORROSION RESISTING STEEL WITH INTEGRAL SPLASHBACKS AND SINK, 18" X 20" X 7 1/2" DEEP. WITH PLASTER TRAP. REMOVABLE STRAINER AND SWING SPOUT FAUCET (PG-18-1, MCS 12301)
	1	2	2	3	VV	MIRROR, SINGLE, WALL MOUNTED, FULL LENGTH, APPROX. 24"W X 4"D X 72"H
			1	1	VV	CART, WEIGHT, APPROX. 26"W X 36"L X 54"H
				1	VV	KILN, TABLE MODEL, 120 VOLT, 20 AMP, SINGLE PHASE, APPROX. 18" W 22"L X 20" H
			1	1	VV	SAW, BAND, FLOOR TYPE, APPROX. 18"W X 25"L X 66"H
			1	2	VV	PRESS, DRILL, 208 VOLT, 3 PHASE MOTOR, APPROX. 25"W X 25"L X 66"H
			1	1	VV	SANDER, BELT, FLOOR, TYPE, APPROX. 19"W X 26"L X 57"H
	1	2	3	4	VV	WHEELCHAIRS, TEACHING, APPROX. 26"W X 57"L X 36" H
P-414	1	1	1	1	CC	LAVATORY, STRAIGHT, BACK, WRIST CONTROL, GOOSENECK SPOUT, 20" X 18" AND 3 1/2" APRON (PG-18-1, MCS 15450)
	1	1	1	1	VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	1	1	1	1	VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED
	1	1	1	1	VV	RECEPTACLE, WASTE, STEP ON TYPE, APPROX. 12" DIAMETER
P-604	1	1	1	1	CC	DISPENSER, DRINKING WATER, WHEELCHAIR, MECHANICALLY COOLED, WALL HUNG, SELF-CONTAINED, APPROXIMATELY 18"W X 18"D X 25"H (SEE ARCHITECTURE DRAWING FOR EXACT LOCATION) (PG-18-1, MCS 15450)
	1	1	1	1	VV	CLOCK, BATTERY OPERATED
	AR	AR	AR	AR	CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-61 (CONT'D)**  
**OCCUPATIONAL THERAPY – TREATMENT CLINIC**

Activities of Daily Living 43

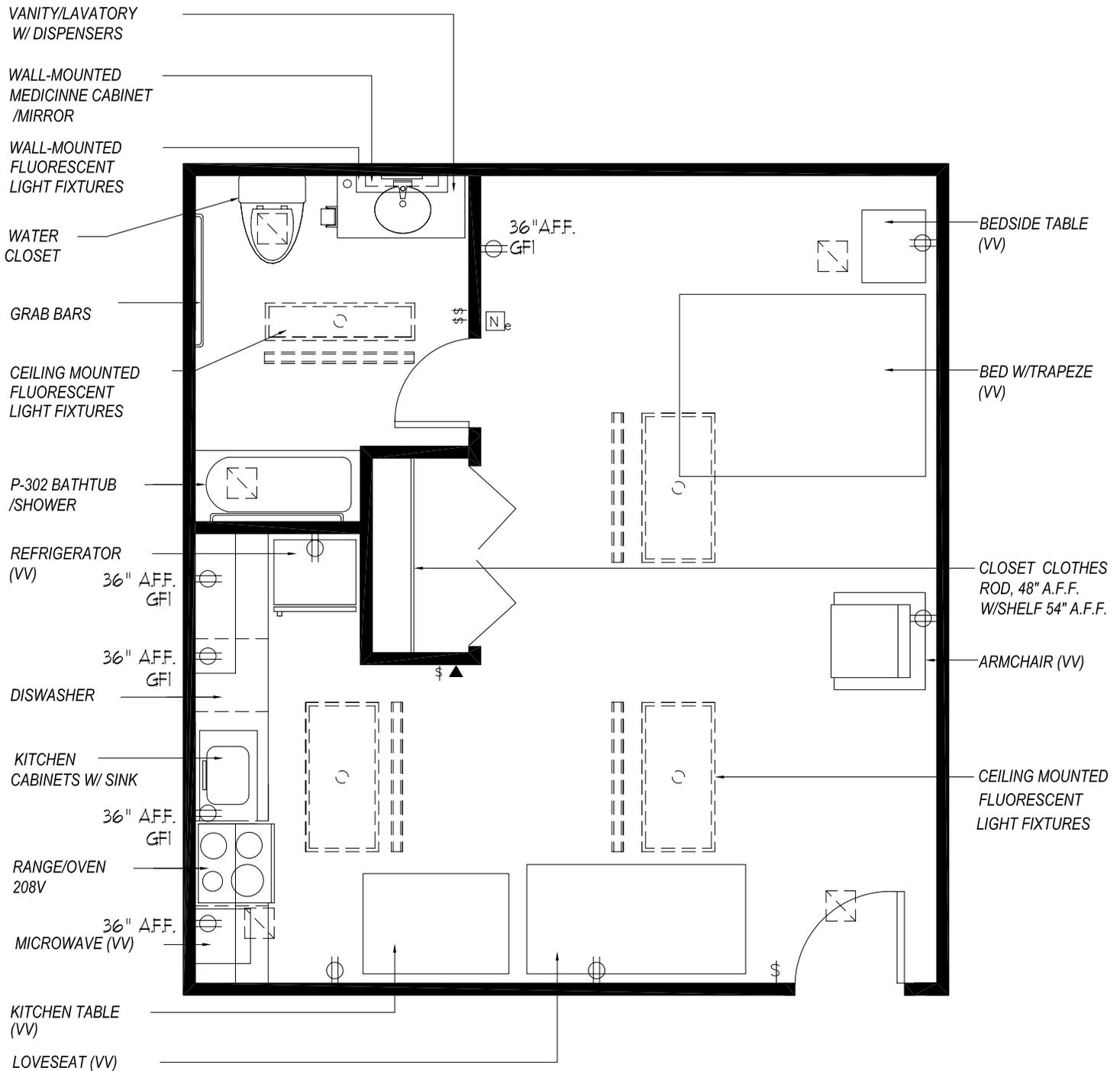
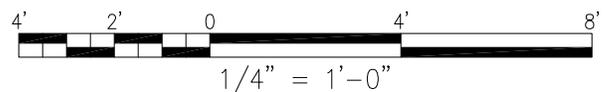


Figure IV-56



## Activities of Daily Living/Kitchen 43-A

### Function:

This space provides a modified kitchen environment in which SCI patients are trained and evaluated as to their ability to function independently.

### Space Requirement:

See ADL/Living: The entire ADL Clinic is 450 NSF.

### Architectural:

Finish Code:	1-A
Floor Finish:	Vinyl Composition Tile
Base:	Vinyl
Wall Finish:	Gypsum Wallboard/Paint
Ceiling:	Acoustical Tile
Ceiling Height:	8'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	N/A
Doors:	None Required
Windows:	None Required

### HVAC:

Temperature:	
Summer:	78@50%RH
Winter:	72@30%RH
Min. Air Changes/Hour:	None (see HVAC Note 3)
Min. % Outside Air:	15%
Pressure:	Negative
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	35
A/C Loads:	
Lights:	75w
Equipment:	450w
People:	100w, sensible 130w, latent

### Electrical:

Lighting Levels:	
Gen. Illum:	20fc
Emergency Power:	-

## Activities of Daily Living/Kitchen 43-A

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1				CC	CABINET, KITCHEN, BASE, WITH WORK TOP AND SINK, DOMESTIC (PG-18-1, MCS 11450 & 11451)
	1				CC	DISPOSAL, WASTE, SINK UNIT (PG-18-1, MCS 11451)
	1				CC	CABINET, KITCHEN, WALL MOUNTED, DOMESTIC (PG-18-1, MCS 11450 & 11451)
	1				CC	OVEN, ELECTRIC, BUILT IN, SINGLE COMPARTMENT, DOMESTIC, 208 VOLT, 25 AMP SINGLE PHASE, SIDE HINGE
	1				CC	RANGE, ELECTRIC, 4 BURNERS, FRONT CONTROLS, DOMESTIC, 208 VOLT, 40 AMP, SINGLE PHASE
	1				VV	REFRIGERATOR – FREEZER, DOMESTIC, 120 VOLT, 20 AMP APPROX. 31"W X 28"D X 66"H
	1				VV	MICROWAVE OVEN, 120 VOLT, 20 AMP (SIT ON COUNTER)
	1				CC	RECEPTACLE, ELECTRICAL, 208 VOLT, 40 AMP (PG-18-1, MCS 16140)
	1				CC	DISHWASHER, HOUSEHOLD TYPE, UNDER COUNTER, 120 VOLT, 1.5 KW (PG-18-1, MCS 11450)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				VV	TABLE, KITCHEN, WITH PLASTIC LAMINATE TOP, 40"W X 30"D X APPROX. 30"H.
						NOTE: ALL ABOVE EQUIPMENT ARE WHEELCHAIR ACCESSIBLE
	2				VV	CHAIR, STRAIGHT, WITHOUT ARMS, APPROX 30 X 30

**TABLE IV-62  
ACTIVITIES OF DAILY LIVING/KITCHEN**

## Activities of Daily Living/Living-Bedroom 43-B

### Function:

This space provides a similar home environment to that found in the community wherein the SCI patient may be trained and evaluated as to their ability to function independently. These spaces should be located in the Rehab Clinic and should be easily accessed by SCI Inpatients and Occupational Therapy staff.

### Space Requirement:

450 NSF

### Architectural:

Finish Code:	6-A
Floor Finish:	Carpet
Base:	Vinyl
Wall Finish:	GWB/Vinyl Fabric
Ceiling:	Acoustical Tile
Ceiling Height:	8'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	23
Doors:	3'-0" x 7'-0" wood
Windows:	Desirable

### HVAC:

Temperature:	
Summer:	72@50%RH
Winter:	82@30%RH
Min. Air Changes/Hour:	None (see HVAC Note 3)
Min. % Outside Air:	15%
Pressure:	(0)
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	35
A/C Loads:	
Lights:	150w
Equipment:	300w
People:	200w, sensible 260w, latent

### Electrical:

Lighting Levels:	
Gen. Illum:	20fc
Emergency Power:	
Nurse Call	
One Ceiling Light	

## Activities of Daily Living/Living-Bedroom 43-B

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	1				VV	BED, TWIN-SIZE, ELECTRICAL, 120 VOLT, 20 AMP
	1				VV	SOFA, TWO SEAT, UPHOLSTERED
	1				VV	CHAIR, UPHOLSTERED, WITH ARMS
	A R				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				VV	CLOCK, BATTERY OPERATED

**TABLE IV-63**  
**ACTIVITIES OF DAILY LIVING/LIVING-BEDROOM**

## Activities of Daily Living/Bathroom 43-C

### Function:

This space provides a similar bathroom environment to that found in the community. Here the patient's ability to function independently will be evaluated.

### Space Requirement:

See ADL/Living. The entire ADL Clinic is 450 NSF.

### Architectural:

Finish Code:	2-G
Floor Finish:	Ceramic Tile (slip-resistant)
Base:	Ceramic Tile
Wall Finish:	GWB/Ceramic Wainscot 4'-0"
Ceiling:	Acoustical Tile*
Ceiling Height:	8'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	14
Doors:	2'-8" x 7'-0" wood
Windows:	Not Required

\*Plaster/Paint in shower

### HVAC:

Temperature:	
Summer:	-
Winter:	82
Min. Air Changes/Hour:	10 (100% Exhaust)
Min. % Outside Air:	-
Pressure:	Negative
% Filtration:	-
Noise Criteria:	35
A/C Loads:	
Lights:	-
Equipment:	-
People:	-

### Electrical:

Lighting Levels:	
Gen. Illum:	20fc
Emergency Power:	-

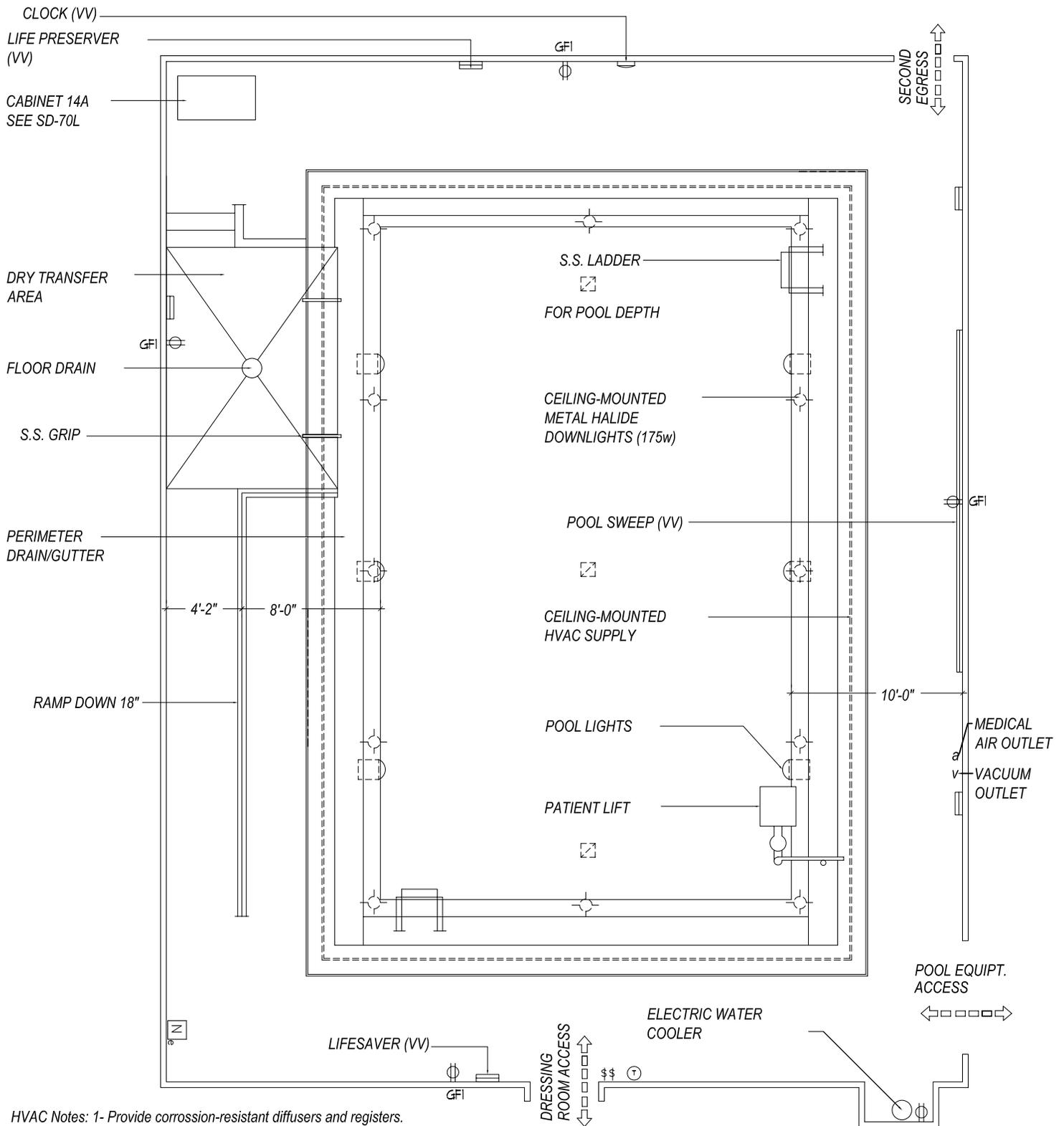
## Activities of Daily Living/Bathroom 43-C

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
P-302	1				CC	TUB, BATH, RECESSED, WITH SHOWER AND PRESSURE BALANCING VALVE 60" X 30" X 16" (PG-18-1, MCS 15450; PG-18-4, SD 10800-4.DWG)
	2				CC	BAR, GRAB, UPRIGHT AND ANGULAR, AROUND TUB (PG-18-1, MCS 10800; PG-18-4, SD 10800-4.DWG)
	1				VV	MAT, TUB
P-415	1				CC	LAVATORY, WHEELCHAIR, STRAIGHT BACK, WRIST CONTROL, 20" X 18" AND 3 1/2" APRON (PG-18-1, MCS 15450)
	1				CC	CABINET, METAL, MEDICINE, RECESSED, WITH MIRRORED HINGED DOOR, GLASS SHELVES (PG-18-1, MCS 10800)
P-106	1				CC	WATER CLOSET, FLUSH TANK TYPE (PG-18-1, MCS 15450)
	2				CC	BAR, GRAB FOR WATER CLOSET (PG-18-1, MCS 10800; H-08-4, SD 10162-1.DWG)
	1				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1				CC	CALL, NURSES-EMERGENCY STATION WITH CORRIDOR SIGNAL LIGHT CONNECTED TO NEAREST NURSE CONTROL STATION (PG-18-1, MCS 16761)

**TABLE IV-64  
ACTIVITIES OF DAILY LIVING/BATHROOM**

# Therapeutic Pool 44



HVAC Notes: 1- Provide corrosion-resistant diffusers and registers.  
 2- Provide steam to pool heater.  
 3- Optional Thermostat location, in exhaust air duct.

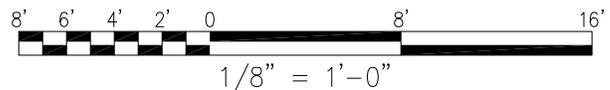


Figure IV-57

## Therapeutic Pool 44

### Function:

The therapeutic pool functions as a treatment area where patients may exercise, ambulate or participate in game activities. The heated water of a pool helps alleviate pain, increase blood circulation, and make physical movement or motion easier to accomplish.

### Space Requirement:

2,475 NSF

See Handbook 7610, Space Planning Criteria for VA Facilities, Chapter 270 for justification requirements.

### Architectural:

Finish Code:	2-G
Floor Finish:	Ceramic Tile (slip-resistant)
Base:	Ceramic Tile
Wall Finish:	Ceramic Tile
Ceiling:	Plaster/Paint
Ceiling Height:	10'-0" min.
Noise (STC Rating):	40
Slab Depression:	See PG-18-3, Topic 6, Floor Slab Depressions
Special Construction:	-
Hardware:	67
Doors:	4'-0" x 7'-0" wood or metal, upper half, laminated safety glass.
Windows:	Desirable, see PG-18-3, Topic 1, Codes and Standards.

### HVAC:

Temperature:	
Summer:	-
Winter:	82
Min. Air Changes/Hour:	4 (100% Exhaust)
Min. % Outside Air:	15%
Pressure:	Negative
% Filtration:	30%(PF)
Noise Criteria:	45
A/C Loads:	
Lights:	-
Equipment:	-
People:	-

### Electrical:

Lighting Levels:	
Gen. Illum:	30fc
Emergency Power:	
One Ceiling Light	
Nurse Call	

## Therapeutic Pool 44

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
T-14A	AR				CC	CABINET, STORAGE, FLOORSTANDING, WITH SLOPING TOP, 2 GLAZED SLIDING DOORS, LOCK AND 5 ADJUSTABLE SHELVES, 48"W X 22"D X 84"H (PG-18-1, MCS 12301)
	2				VV	BACKBOARD, BASKETBALL, POOL SIZE TYPE
	1				VV	STANDING, VOLLEYBALL
	AR				CC	RAILS, HAND, ON SIDES OF POOL (PG-18-1, MCS 13164)
	1				CC	HOIST, OVERHEAD, PATIENT LIFT, WITH CRADLE 120 VOLT, 20 AMP
						- OR -
	1				CC	HOIST, HYDRAULIC, FLOOR MOUNTED TO DECK, EXTENDING OVER THE WATER
	AR				VV	WHEELCHAIRS, STAINLESS STEEL, FOR UNDERWATER USE
	1				VV	CLOCK, ELECTRIC WITH SWEEP SECOND HAND
	1				VV	TABLE, TREATMENT, STAINLESS STEEL, EXERCISE TYPE
	1				VV	BARs, PARALLEL, STAINLESS STEEL, UNDERWATER, ADJUSTABLE – 10' TO 15'L
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)

**TABLE IV-65  
THERAPEUTIC POOL**

### Pool Dressing/Male 45

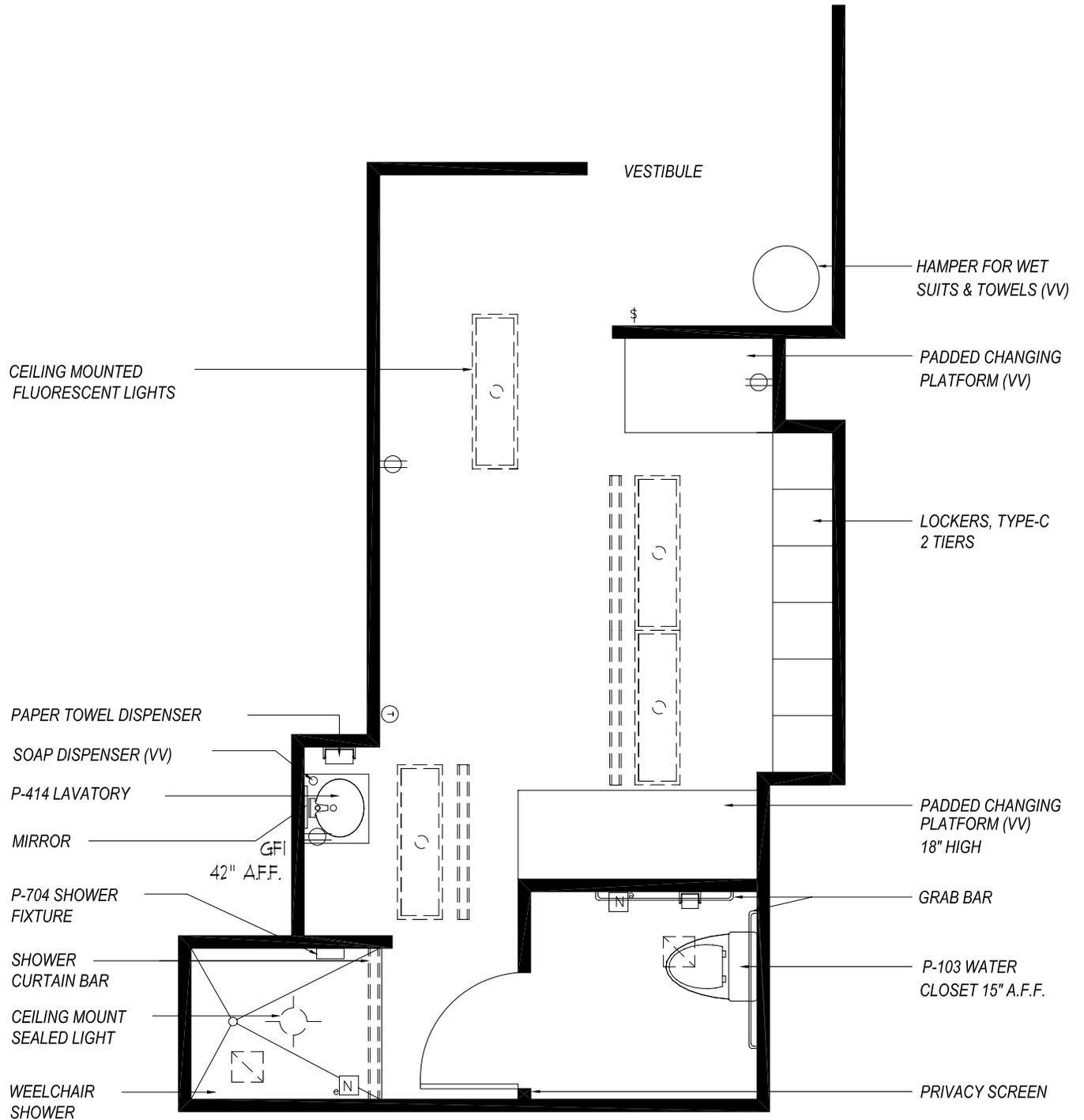
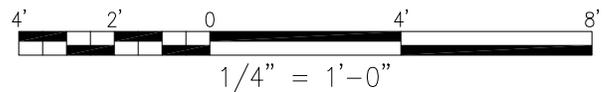


Figure IV-58



## Pool Dressing/Male - Toilet/Shower 45

### Function:

This space is intended to provide changing and bathing facilities for the male patient population. While intended primarily for SCI patients there will likely be other patient users. To be located adjacent to the Therapeutic Pool.

### Space Requirement:

238 NSF

### Architectural:

Finish Code:	2-G
Floor Finish:	Ceramic Tile (slip-resistant)
Base:	Ceramic Tile
Wall Finish:	Gypsum Wallboard/Paint*
Ceiling:	Acoustical Tile (SP)**
Ceiling Height:	9'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	-
Doors:	None Required
Windows:	None

\*Ceramic Tile in Shower

\*\*Plaster in Shower/Paint

### HVAC:

Temperature:	
Summer:	-
Winter:	82
Min. Air Changes/Hour:	4 (100% Exhaust)
Min. % Outside Air:	15%
Pressure:	Negative
% Filtration:	-
Noise Criteria:	50
A/C Loads:	
Lights:	-
Equipment:	-
People:	-

### Electrical:

Lighting Levels:	
Gen. Illum:	30fc
Emergency Power:	
One Ceiling Light	
Nurse Call	

## Pool Dressing/Male - Toilet/Shower 45

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						LOCATE ALL ITEMS CONVENIENT FOR WHEELCHAIR PATIENTS (PG-18-3, TOPIC 1, CODES AND STANDARDS ; PG-18-4, SD 10800-7.DWG)
	AR				VV	LOCKERS, STEEL, DOUBLE TIER, WITH SHELVES AND COMBINATION LOCK, 15"W X 18"D X 78"H
	AR				CC	BENCH, WALL HUNG (PG-18-1, MCS 06200)
	AR				CC	HOOK, CLOTHES (PG-18-1, MCS 10800)
P-103	AR				CC	WATER CLOSET, WALL HUNG (PG-18-1, MCS 15450)
	AR				CC	ENCLOSURE, TOILET, WHEELCHAIR, CEILING HUNG (PG-18-1, MCS 10162; PG-18-3, TOPIC 1, CODES AND STANDARDS; PG-18-4, SD 10162-1.DWG)
	AR				CC	BAR, GRAB FOR WATER CLOSET (PG-18-1, MCS 10800; PG-18-4, SD 10162-1.DWG)
	AR				CC	DISPENSER, TOILET TISSUE, DOUBLE ROLL (PG-18-1, MCS 10800; PG-18-4, 10162-1.DWG)
P-201	AR				CC	URINAL, WALL HUNG (PG-18-1, MCS 15450)
P-202	AR				CC	URINAL, WHEELCHAIR, WALL HUNG, (PG-18-1, MCS 15450)
	AR				CC	SCREEN, URINAL (PG-18-1, MCS 10162; PG-18-4, SD 10162-1.DWG)
P-415	AR				CC	LAVATORY, STRAIGHT BACK, WRIST CONTROL, 20" X 18" AND 3-1/2" APRON (PG-18-1, MCS 15450)
	AR				VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	AR				CC	SHELF, STAINLESS STEEL, WALL HUNG 6" X 18" (PG-18-1, MCS 10360; PG-18-4, SD 10800-7.DWG)
	AR				CC	MIRROR, WHEELCHAIR, 24"W X 36"H (PG-18-1, MCS 10800; PG-18-4, SD 10800-7.DWG)
	AR				CC	RECEPTACLE, ELECTRICAL, DUPLEX 120 VOLT, 20 AMP, WITH GROUND FAULT INTERRUPTER, ADJACENT TO LAVATORY (PG-18-1, MCS 16140)
	AR				VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED
	AR				VV	RECEPTACLE, WASTE 13" DIAMETER
	AR				CC	STALL, SHOWER, 48"W X 46 3/4"D (PG-18-1, MCS 10170; PG-18-4, SD 10800-1.DWG)
P-704	AR				CC	SHOWER BATH FIXTURE, WALL MOUNTED, CONCEALED SUPPLIES, THERMOSTATIC MIXING VALVE, WITH HOSE SPRAY (PG-18-1, MCS 15450; PG-18-4, SD 10800-1.DWG)
	AR				CC	ROD, FOR SHOWER CURTAIN (PG-18-1, MCS 10800; PG-18-4, SD 10800-4.DWG)

**TABLE IV-66**  
**POOL DRESSING/MALE – SHOWER/TOILET**

## Pool Dressing/Male - Toilet/Shower 45

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	AR				VV	CURTAIN, SHOWER
	AR				CC	DISH, SOAP, RECESSED (PG-18-1, MCS 10800)
	AR				CC	BAR, GRAB FOR TUB OR SHOWER (PG-18-1, MCS 10800) PG-18-4, SD 10800-1.DWG and 10800-4.DWG
	AR				CC	HOOK, CLOTHES (ONE FOR EACH TUB OR SHOWER) (PG-18-1, MCS 10800)
	1				CC	HOOK, TOWEL (PG-18-1, MCS 10800)

**TABLE IV-66 (CONT'D)**  
**POOL DRESSING/MALE – SHOWER/TOILET**

Pool Dressing / Female 46

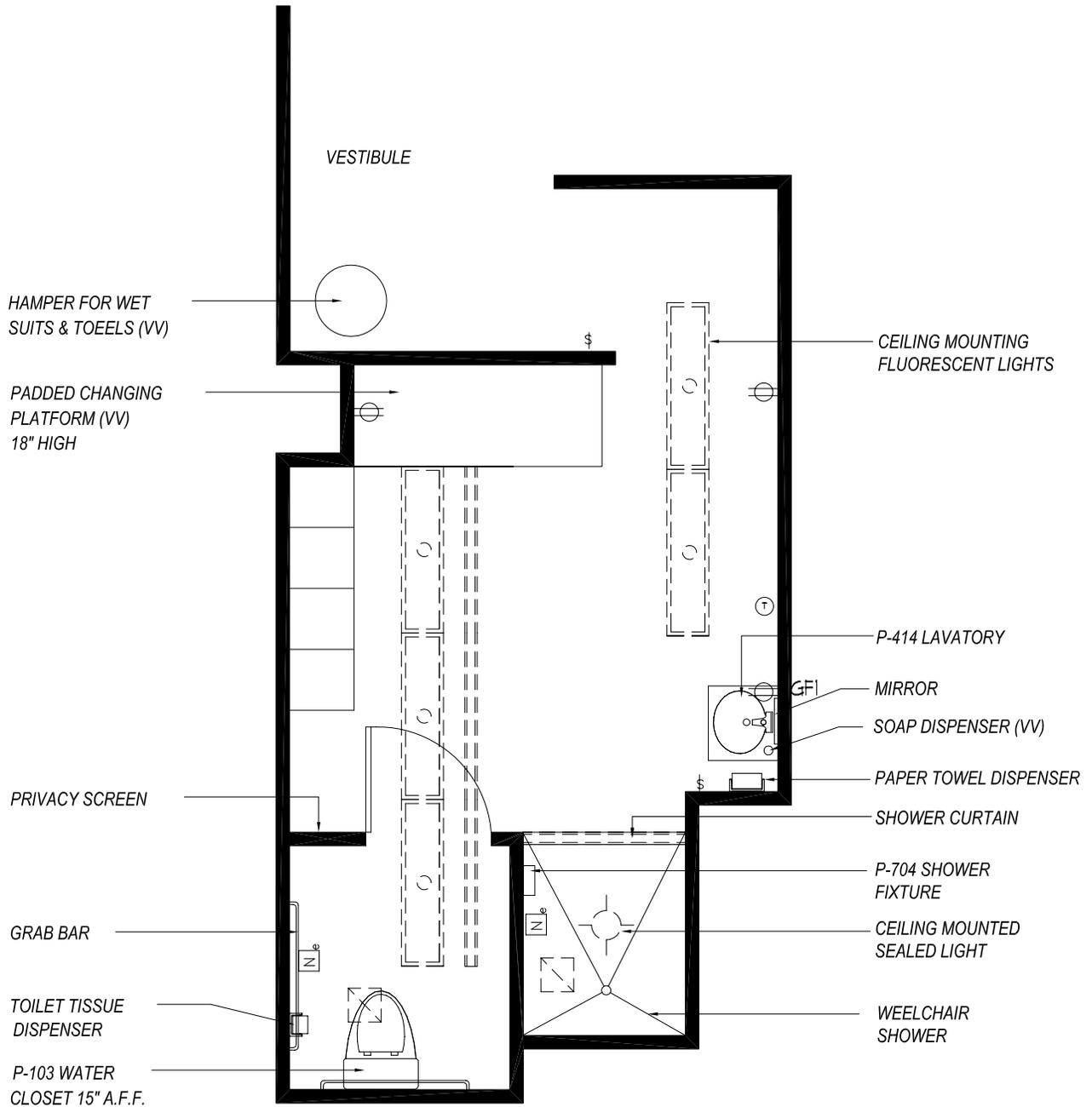
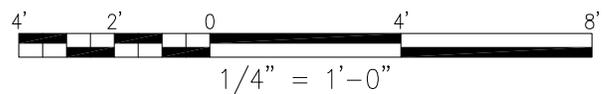


Figure IV-59



## Pool Dressing/Female - Shower/Toilet 46

### Function:

This space is intended to provide changing and bathing facilities for the female patient population. While intended primarily for the SCI patients there will likely be other patient users. To be located adjacent to the Therapeutic Pool.

### Space Requirement:

185 NSF

### Architectural:

Finish Code:	2-G
Floor Finish:	Ceramic Tile (slip-resistant)
Base:	Ceramic Tile
Wall Finish:	Gypsum Wallboard/Paint*
Ceiling:	Acoustical Tile (SP)**
Ceiling Height:	9'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	-
Doors:	None Required
Windows:	None

\*Full Ceramic Tile in Shower

\*\*Plaster in Shower/Paint

### HVAC:

Temperature:	
Summer:	-
Winter:	82
Min. Air Changes/Hour:	4 (100% Exhaust)
Min. % Outside Air:	15%
Pressure:	Negative
% Filtration:	-
Noise Criteria:	50
A/C Loads:	
Lights:	-
Equipment:	-
People:	-

### Electrical:

Lighting Levels:	
Gen. Illum:	30fc
Emergency Power:	
One Ceiling Light	
Nurse Call	

## Pool Dressing/Female - Shower/Toilet 46

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						LOCATE ALL ITEMS CONVENIENT FOR WHEELCHAIR PATIENTS (PG-18-3, TOPIC 1, CODES AND STANDARDS; PG-18-4, SD 10800-7.DWG)
	AR				VV	LOCKERS, STEEL, DOUBLE TIER, WITH SHELVES AND COMBINATION LOCK, 15"W X 18"D X 78"H
	AR				CC	BENCH, WALL HUNG (PG-18-1, MCS 06200)
	AR				CC	ENCLOSURE, TOILET, WHEELCHAIR, FLOOR SET OR CEILING HUNG (PG-18-1, MCS 10162; PG-18-4, SD 10162-1.DWG)
	AR				CC	HOOK, CLOTHES (PG-18-1, MCS 10800)
P-103	AR				CC	WATER CLOSET, WALL HUNG (PG-18-1, MCS 15450)
	AR				CC	BAR, GRAB FOR WATER CLOSET (PG-18-1, MCS 10800; H-08-4, SD 10162-1.DWG)
	AR				CC	DISPENSER, TOILET TISSUE, DOUBLE ROLL (PG-18-1, MCS 10800; PG-18-4, SD 10162-1.DWG)
P-414	AR				CC	LAVATORY, STRAIGHT, BACK, WRIST CONTROL, GOOSENECK SPOUT, 20" X 18" AND 3½" APRON (PG-18-1, MCS 15450)
	AR				VV	DISPENSER, SOAP, LIQUID, WALL MOUNTED
	AR				CC	SHELF, STAINLESS STEEL, WALL HUNG 6" X 18" (PG-18-1, MCS 10360; PG-18-4, SD 10800-7.DWG)
	AR				CC	MIRROR, WHEELCHAIR, 24"W X 36"H (PG-18-1, MCS 10800; PG-18-4, SD 10800-7.DWG)
	AR				CC	RECEPTACLE, ELECTRICAL, 120 VOLT, 20 AMP, WITH GROUND FAULT PROTECTION, ADJACENT TO LAVATORY (PG-18-1, MCS 16140)
	AR				VV	DISPENSER, BIFOLD PAPER TOWEL, SURFACE MOUNTED
	AR				VV	RECEPTACLE, WASTE 13" DIAMETER
	AR				CC	STALL, SHOWER, 46 ¾"D X 48"W (PG-18-1, MCS 10170; PG-18-4, SD 10800-1.DWG)
P-704	AR				CC	SHOWER BATH FIXTURE, WALL MOUNTED, CONCEALED SUPPLIES, THERMOSTATIC MIXING VALVE, WITH HOSE SPRAY (PG-18-1, MCS 15450; PG-18-4, SD 10800-1.DWG)
	AR				CC	ROD, FOR SHOWER CURTAIN (PG-18-1, MCS 10800; PG-18-4, SD 10800-4.DWG)
	AR				VV	CURTAIN, SHOWER
	AR				CC	DISH, SOAP, RECESSED (PG-18-1, MCS 10800)

**TABLE IV-67**  
**POOL DRESSING/FEMALE - SHOWER/TOILET**

## Pool Dressing/Female - Shower/Toilet 46

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	AR				CC	BAR, GRAB FOR TUB OR SHOWER (PG-18-1, MCS 10800; PG-18-4, SD 10800-1.DWG and 10800-4.DWG)
	AR				CC	HOOK, CLOTHES (ONE FOR EACH TUB OR SHOWER) (PG-18-1, MCS 10800)
	AR				CC	BAR, TOWEL (PG-18-1, MCS 10800)

**TABLE IV-67  
POOL DRESSING/FEMALE - SHOWER/TOILET (CON'T)**

Pool: Suits/Towels 47

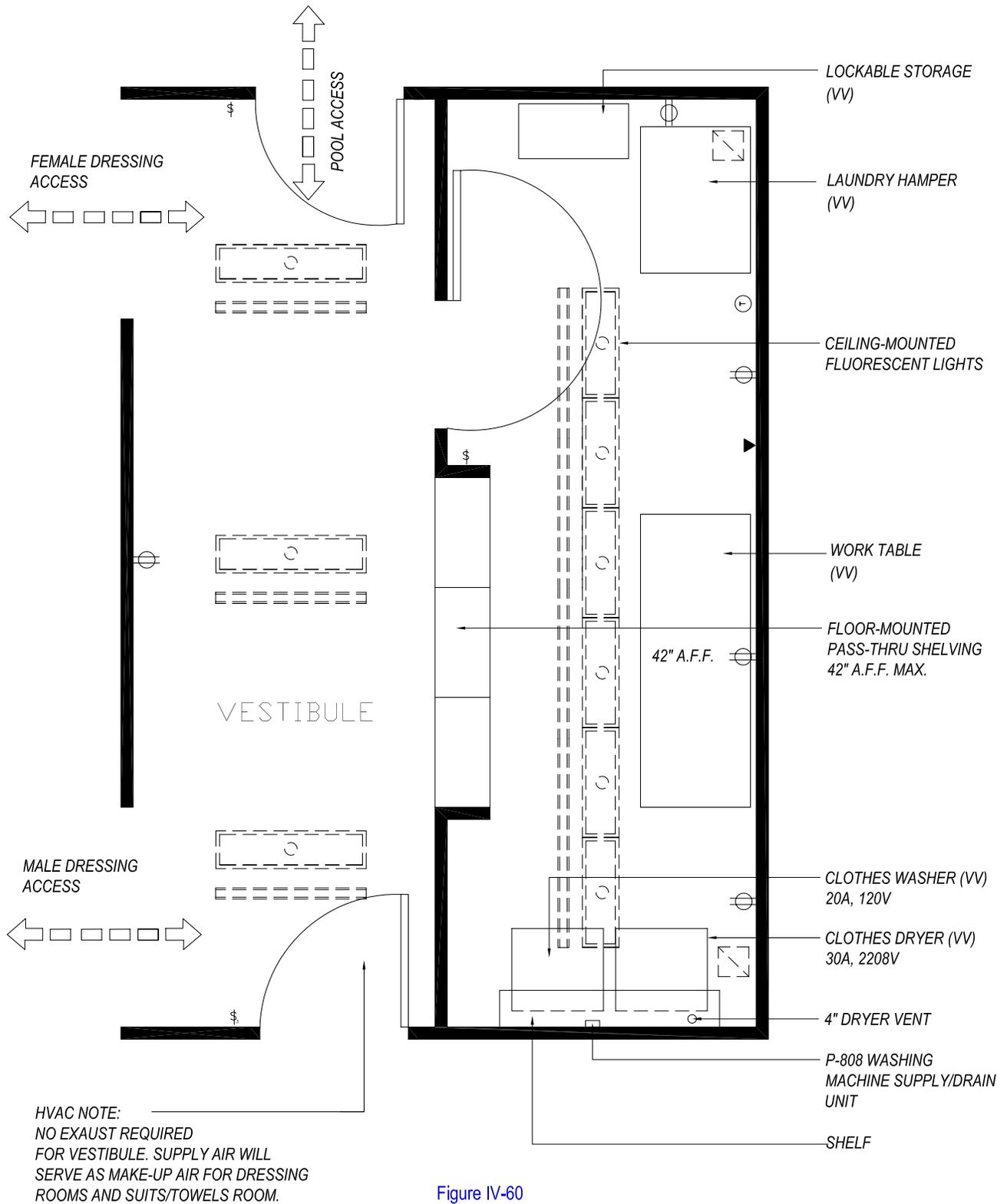
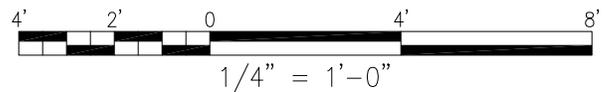


Figure IV-60



## Pool: Suits/Towels 47

### Function:

This space is intended to provide for the storage and dispensing of clean swimwear and the collection and cleaning of used swimwear. It is to be located at the entrance to the Therapeutic Pool.

### Space Requirement:

210 NSF

### Architectural:

Finish Code:	1-A
Floor Finish:	Vinyl Composition Tile*
Base:	Vinyl*
Wall Finish:	Gypsum Wallboard/Paint
Ceiling:	Acoustical Tile
Ceiling Height:	9'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	23 (45@vestibule entry)
Doors:	3'-6" x 7'-0" wood or metal
Windows:	None

\*Ceramic Tile in Vestibule

### HVAC:

Temperature:	
Summer:	-
Winter:	82
Min. Air Changes/Hour:	4 (100% Exhaust)
Min. % Outside Air:	15%
Pressure:	Negative
% Filtration:	-
Noise Criteria:	50
A/C Loads:	
Lights:	-
Equipment:	-
People:	-

### Electrical:

Lighting Levels:	
Gen. Illum:	30fc
Emergency Power:	-

## Pool: Suits/Towels 47

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
	AR				VV	RACK, CLOTHING METAL WITH TOP SHELF, WHEELCHAIR ACCESSIBLE
	AR				VV	WASHER, CLOTHES, FRONT LOADING, COMMERCIAL, 208 VOLT, 30 AMP, SINGLE PHASE
P-808	AR				CC	WASHING MACHINE SUPPLY AND DRAIN UNITS (PG-18-1, MCS 15450)
	AR				VV	DRIER, CLOTHES, FRONT LOADING, COMMERCIAL, 208 VOLT, 30 AMP, SINGLE PHASE
	AR				CC	RECEPTACLE, ELECTRICAL, 208 VOLT, 40 AMP (PG-18-1, MCS 16140)
	AR				VV	CABINET, STORAGE, STEEL, FLOORSTANDING, WITH 2 DOORS, 5 ADJUSTABLE SHELVES AND LOCK, 36"W X 18"D X 84"H
	AR				VV	TABLE, HYDRAULIC, ADJUSTABLE HEIGHT 36"W X 72
T-6A	AR				CC	SHELVING FLOORSTANDING, STEEL, WITH SLOPING TOP, AND 4 OR 5 ADJUSTABLE SHELVES 36"W X 18"D X 84"H (PG-18-1, MCS 12301)
	AR				VV	TRUCK, CANVAS (LAUNDRY TYPE) APPROX. 36"W X 48"L

**TABLE IV-68  
POOL: SUITS/TOWELS**

### SCI Chief's Office 48

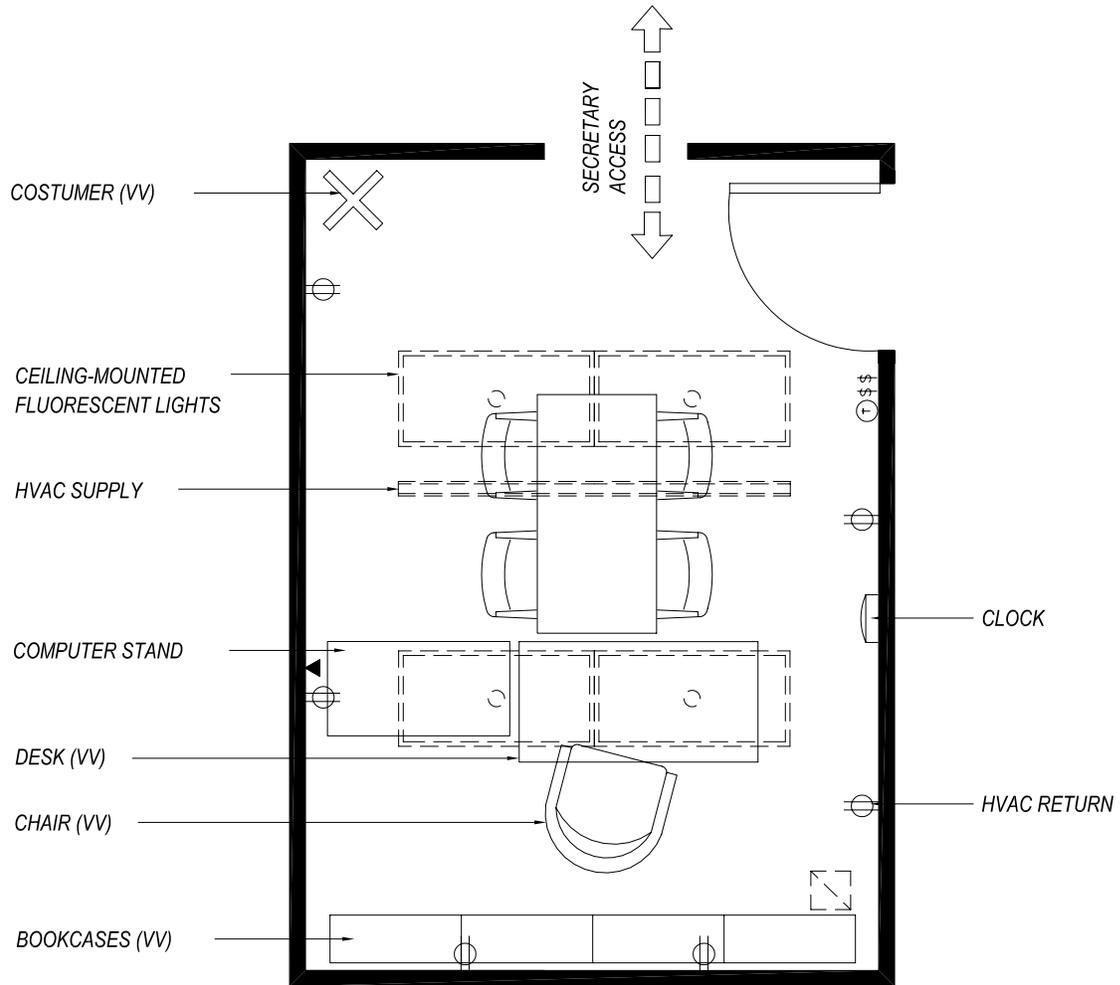
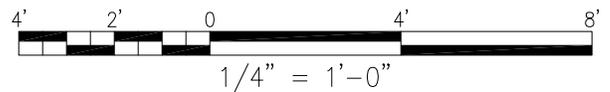


Figure IV-61



## SCI Chief's Office 48

### Function:

This space is intended to provide administrative facilities for the Chief of the SCI Center. It is to be located in the Administrative Wing of the Center and must be accessible to SCI patients. Direct access to secretarial space is also required.

### Space Requirement:

200 NSF

### Architectural:

Finish Code:	6-B
Floor Finish:	Carpet
Base:	Vinyl
Wall Finish:	Gypsum Wallboard/Paint
Ceiling:	Acoustical Tile
Ceiling Height:	9'-0"
Noise (STC Rating):	40
Slab Depression:	None
Special Construction:	-
Hardware:	23
Doors:	3'-6" x 7'-0" wood or metal
Windows:	Desirable, see H-08-3, CS-31-1 & CD-35.

### HVAC:

Temperature:	
Summer:	78@50%RH
Winter:	72@30%RH
Min. Air Changes/Hour:	None (see HVAC Note 3)
Min. % Outside Air:	15%
Pressure:	(0)
% Filtration:	30%(PF)/85%(AF)
Noise Criteria:	35
A/C Loads:	
Lights:	480w
Equipment:	450w
People:	300w, sensible 300w, latent

### Electrical:

Lighting Levels:	
Three Level Illum:	
High:	70fc
Med	40fc
Low	20fc
Emergency Power:	-

## SCI Chief's Office 48

### Equipment Table:

SYMBOL	QUANTITY				AI	DESCRIPTION
	A	B	C	D		
						OFFICE, CHIEF OF SERVICE
	1	1			VV	DESK, DOUBLE PEDESTAL APPROX 60"W X 30"D X 29 ½"H
	1	1			VV	CHAIR, ROTARY WITH ARMS APPROX 30" X 30" (BASE)
	AR	AR			VV	CHAIR, STRAIGHT, WITH ARMS APPROX 30" X 30" (BASE)
	4	4			VV	BOOKCASE, SECTIONAL (EACH SECTION 33"W X 13"D X 15"H WITH 10" H BASE)
	1	1			VV	TABLE, OFFICE, 60"W X 30"D X 29 ½"H
	1	1			VV	COSTUMER APPROX 12" X 12"
	AR	AR			CC	RECEPTACLE, ELECTRICAL, DUPLEX, 120 VOLT, 20 AMP (PG-18-1, MCS 16140)
	1	1			VV	CLOCK, BATTERY OPERATED

**TABLE IV-69  
SCI CHIEF'S OFFICE**

### Typical Corridor Section 49

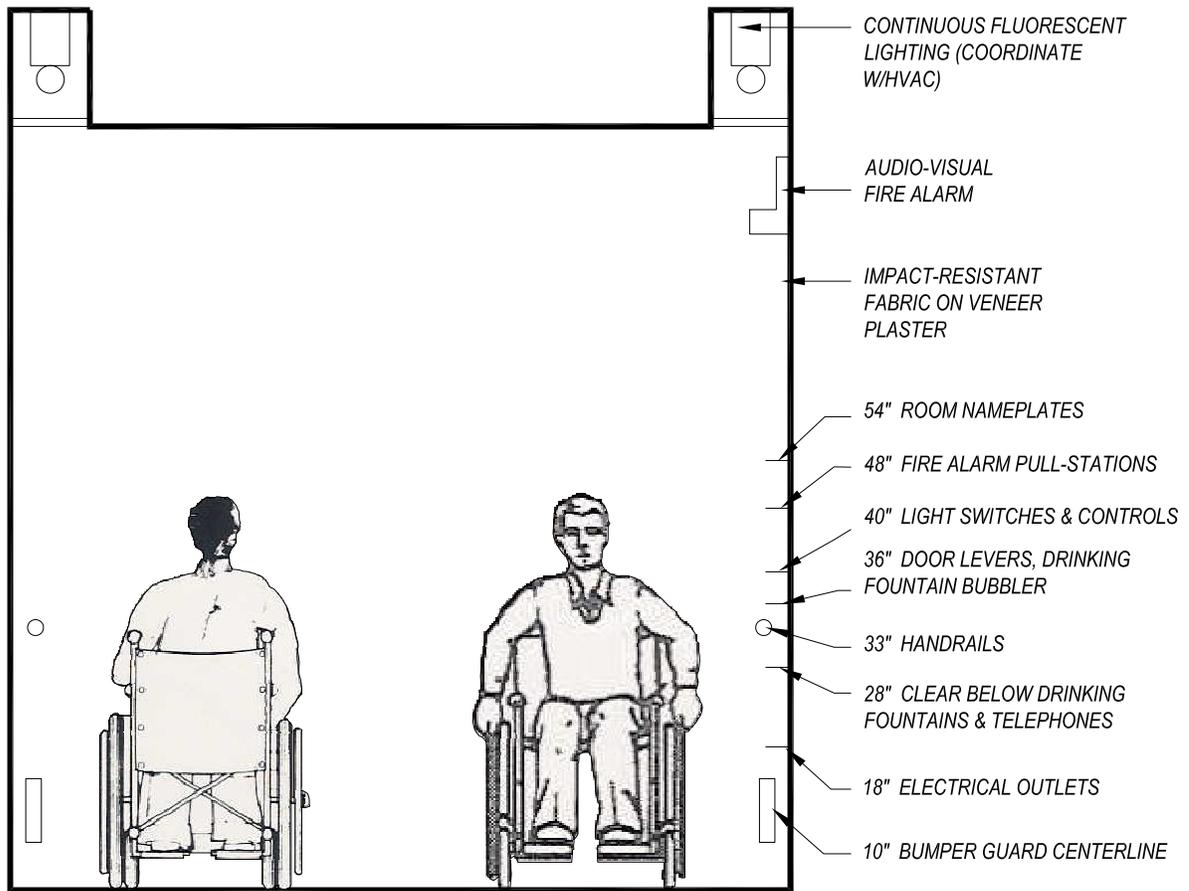
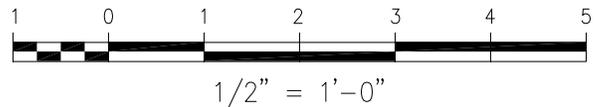


Figure IV-62



## Typical Corridor Section 49

### Function:

Circulation Space.

### Space Requirement:

As Required.

### Architectural:

Finish Code: 1-H  
Floor Finish: Vinyl Composition Tile  
Base: Vinyl  
Wall Finish: Veneer Plaster/Paint  
Ceiling: Acoustical Tile  
Ceiling Height: 8'-0"  
Noise (STC Rating): 30  
Slab Depression: None  
Special Construction: -  
Hardware: -  
Doors: Smoke doors as required, wainscot height kickplates.  
Windows: None Required

### HVAC:

Temperature:  
    Summer: 78@50%RH  
    Winter: 82@30%RH  
Min. Air Changes/Hour: None (see HVAC Note 3)  
Min. % Outside Air: 15%  
Pressure: (0)  
% Filtration: 30%(PF)/85%(AF)  
Noise Criteria: 40  
A/C Loads:  
    Lights: Subject to floor plan layout  
    Equipment: Subject to floor plan layout  
    People: Subject to floor plan layout

### Electrical:

Lighting Levels:  
    Gen. Illum: 20fc min.  
Emergency Power: Illumination of means of egress.

### Equipment Table:

As Required.

## SCI Elevator 50

All levels of multi-story construction are to be served by an elevator conforming to ANSI-A17.1, see H-08-13 (Section 4.11).

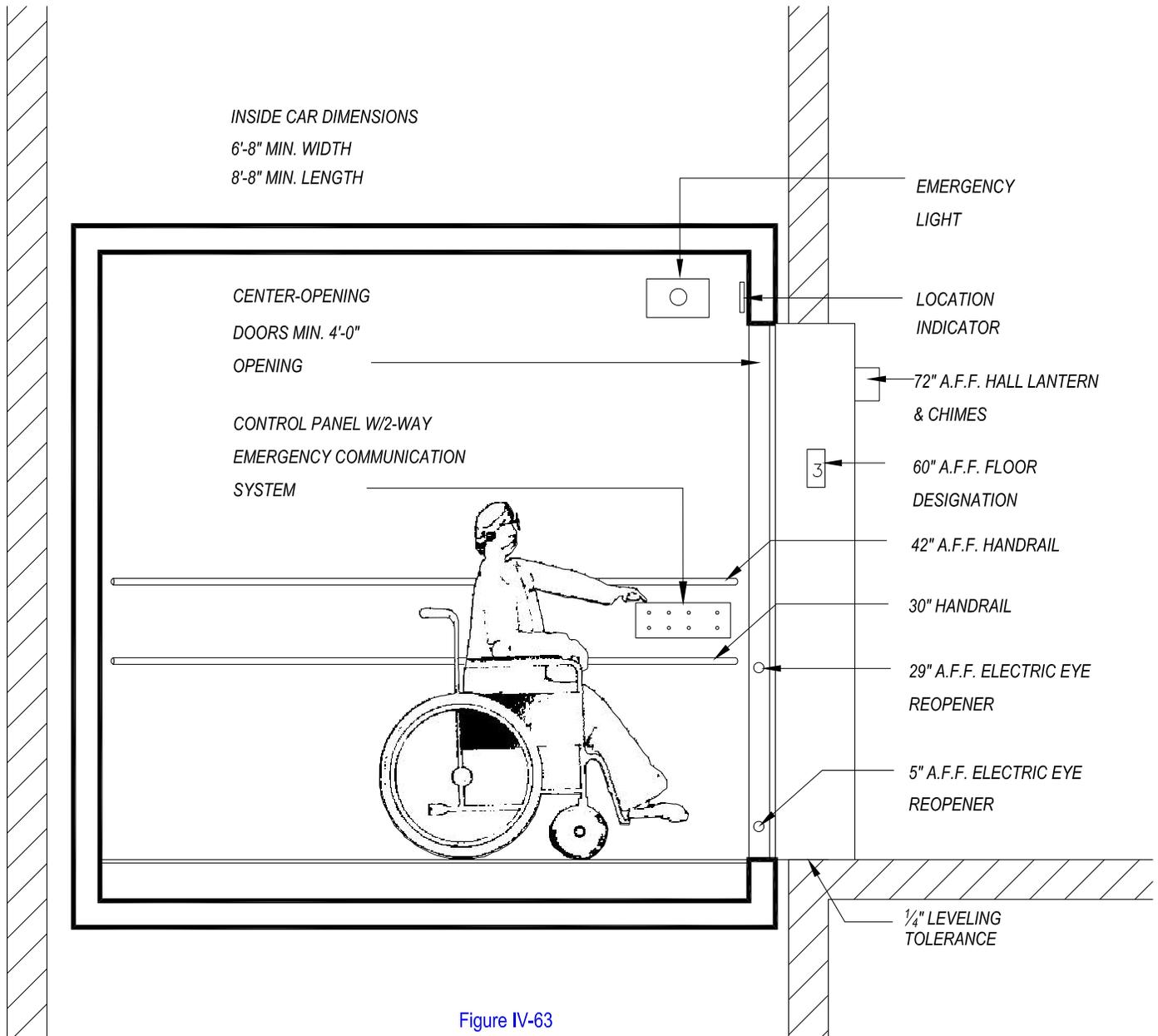
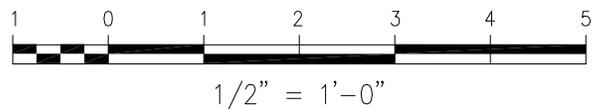


Figure IV-63



## SCI Elevator 50

### Function:

Vertical Transportation.

### Space Requirement:

As required.

### Architectural:

Finish Code:	N/A
Floor Finish:	Vinyl Composition Tile
Base:	N/A
Wall Finish:	Varies, 4'-0" S.S. Wainscot
Ceiling:	Baked Enamel on Metal
Ceiling Height:	8'-0"
Load:	5000# Total Capacity
Noise (STC Rating):	N/A
Slab Depression:	N/A
Special Construction:	-
Hardware:	-
Doors:	See SD 14210-3.DWG and 14210-4.DWG
Windows:	None

### Electrical:

Lighting Levels:  
Gen. Illum: 20fc  
Emergency Power:  
Emergency Light  
2-Way Communication System  
Sufficient power to return car to grade

### Equipment Table:

See Guideplate #50

## Main Entrance & Canopy Section 51

The SCI Main Entrance is to be dedicated to SCI traffic only. Ideally it should be located away from other traffic patterns. In addition to drop-off capabilities, the SCI Entrance must accommodate those patients who drive themselves to the SCI Center and require assistance in entering the building. Those who drive will usually pull up to the front door and announce their arrival on the 2-way communication system. They will then drive to the nearby SCI dedicated parking lot where assisting staff will meet them.

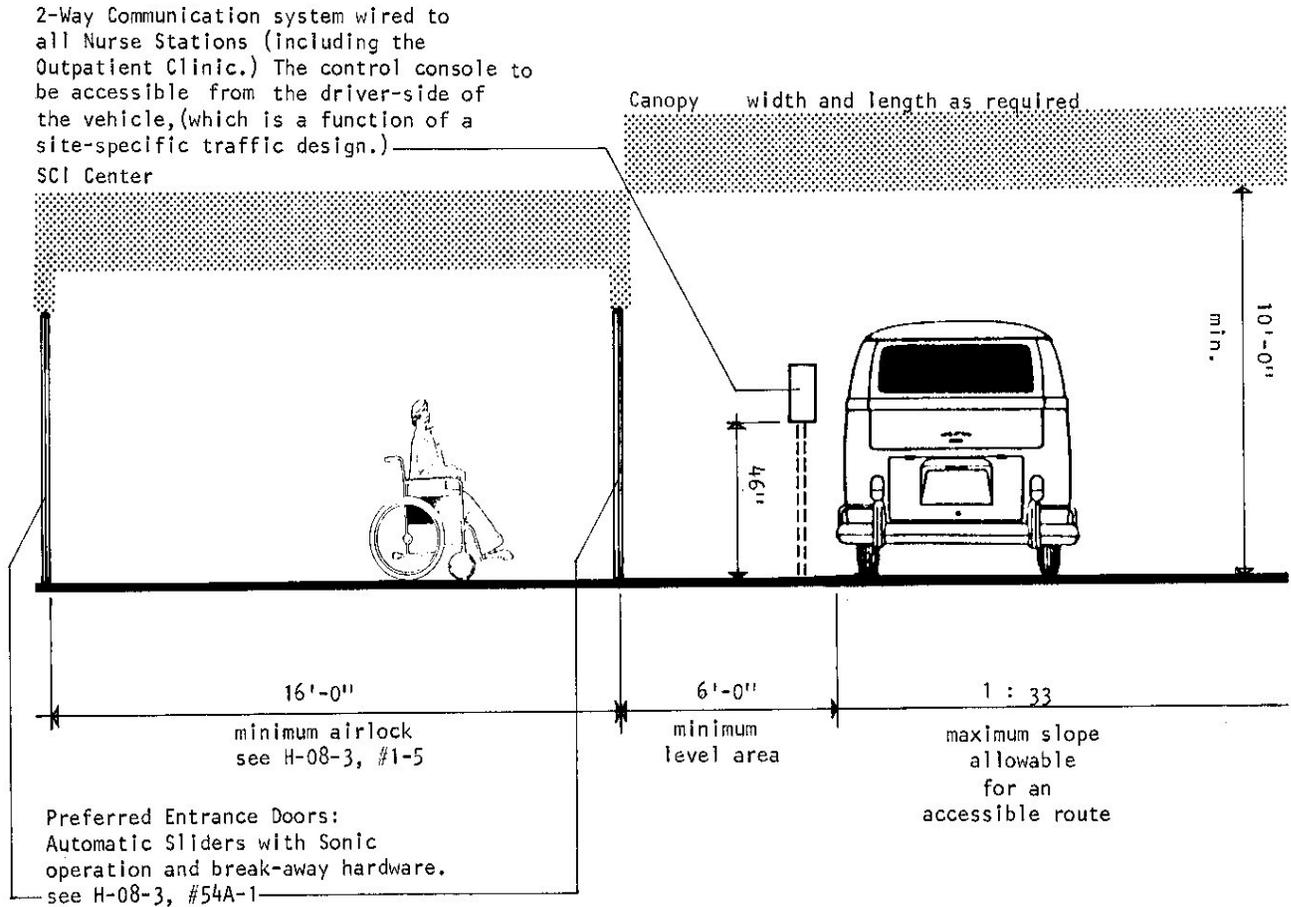


Figure IV-64

## Main Entrance & Canopy Section 51

### Function:

The Entrance Canopy is intended to provide weather protection to those entering the SCI Center. The Entrance Vestibule is intended as an energy conservation airlock.

Snow melting systems: As required and appropriate to suit weather conditions.

### Space Requirement:

As Required.

### Architectural:

Finish Code:	1-H (Vestibule)
Floor Finish:	Vinyl Composition Tile
Base:	Vinyl
Wall Finish:	Veneer Plaster*/Paint
Ceiling:	Acoustical Tile
Ceiling Height:	8'-0"
Noise (STC Rating):	30
Slab Depression:	None
Special Construction:	-
Hardware:	156 (both doors)
Doors:	2/3'-0" x 7'-0" metal with full glazing, automatic sliders electric eye, breakaway hardware.
Windows:	None Required

### HVAC:

Temperature:	
Summer:	78@50%RH
Winter:	72@30%RH
Min. Air Changes/Hour:	None (see HVAC Note 3)
Min. % Outside Air:	15%
Pressure:	Positive
% Filtration:	30%(PF)
Noise Criteria:	50
A/C Loads:	
Lights:	Subject to floor plan layout
Equipment:	Subject to floor plan layout
People:	Subject to floor plan layout

### Electrical:

Lighting Levels:	
Gen. Illum:	
In airlock:	20fc
Under canopy:	10fc
Emergency Power:	Illumination of means of egress.

### Equipment Table:

As required.



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# Section V

SITE DESIGN GUIDEPLATES

A decorative graphic on the left side of the page consisting of a grid of squares in various shades of gray, arranged in a stepped pattern that tapers to the right.

## SPINAL CORD INJURY CENTER

## **Grading 1**

### **Function:**

To provide for handicapped access to primary entrances usually considered as major points of pedestrian flow to all buildings through the proper grading or use of approach ramps.

### **Requirements:**

Such accessible entrances shall include:

1. Primary public entrances connecting to public transportation stops.
2. Primary entrances connecting to parking areas specially designed for the handicapped.
3. Primary entrances connecting to walkways between buildings in a hospital complex.
4. All horizontal exits out of SCI Center.

## Parking 2

### Function:

To provide a dedicated lot for the handicapped with safe and easy access to buildings.

### Requirements:

1. 1.5 spaces for each SCI bed.
2. 5'-0" wide access aisles on each side of handicapped spaces.
  - a. Regular spaces are 8'-0" wide.
  - b. Van spaces are 11'-0" wide by 21'-0" long.
3. Pavement surface flush with adjoining walk with a maximum surface slope of 1:50 (2%).
4. "International Symbol of Accessibility" for identification of handicapped spaces.
5. Signage according to the criteria in the VA manual, "Environmental Graphics Design Programming Guide" (Signage Manual).
6. Minimum clear width of 8'-0" for adjacent walkways abutting parking stalls to allow for vehicle overhang.

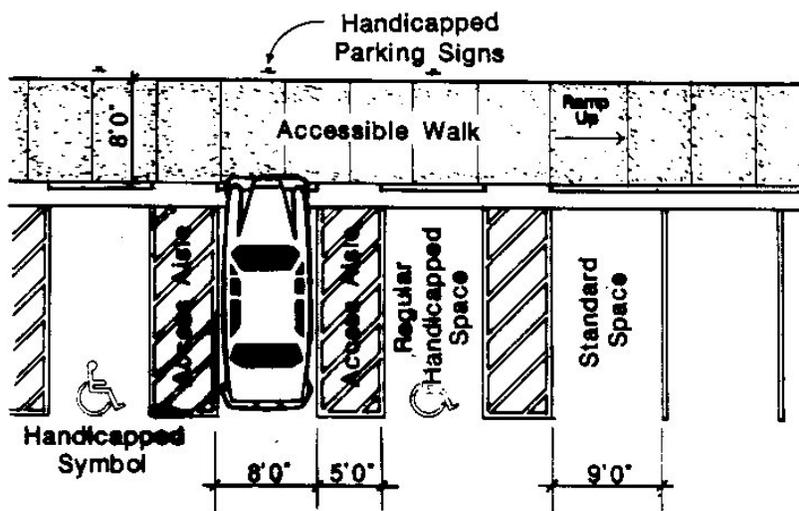


Figure V-1

Note: Location of walkways shall preferably eliminate the need for the handicapped to walk or wheel behind parked vehicles.

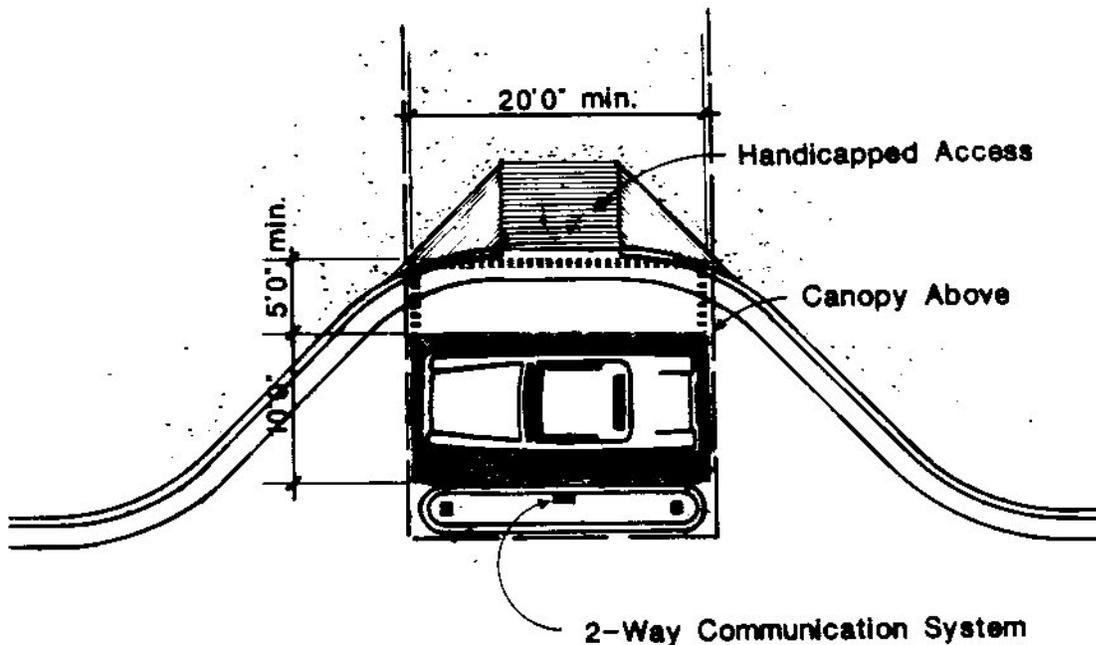
## Passenger Loading Zone 3

### Function:

To provide a designated passenger loading zone for the handicapped located away from other traffic patterns.

### Requirements:

1. Adjacent to accessible entrance.
2. Curb ramp to sidewalk level.
3. Canopy or roof overhang for protection.
4. Communication system for assistance.
5. Access aisles, measuring at least 5'-0" wide by 20'-0" long and parallel and level with the vehicle pull-up space.



**Dimensions of Access Aisle  
at Passenger Loading Zones**

Figure V-2

## Curb Ramps 4

### Function:

To provide a smooth transition between a vehicular road surface and a pedestrian walk surface.

### Requirements:

1. Maximum slope of 1:12 (8%).
2. Minimum width of 3'-0" (4'-0" preferred).
3. Slip-resistant surface.

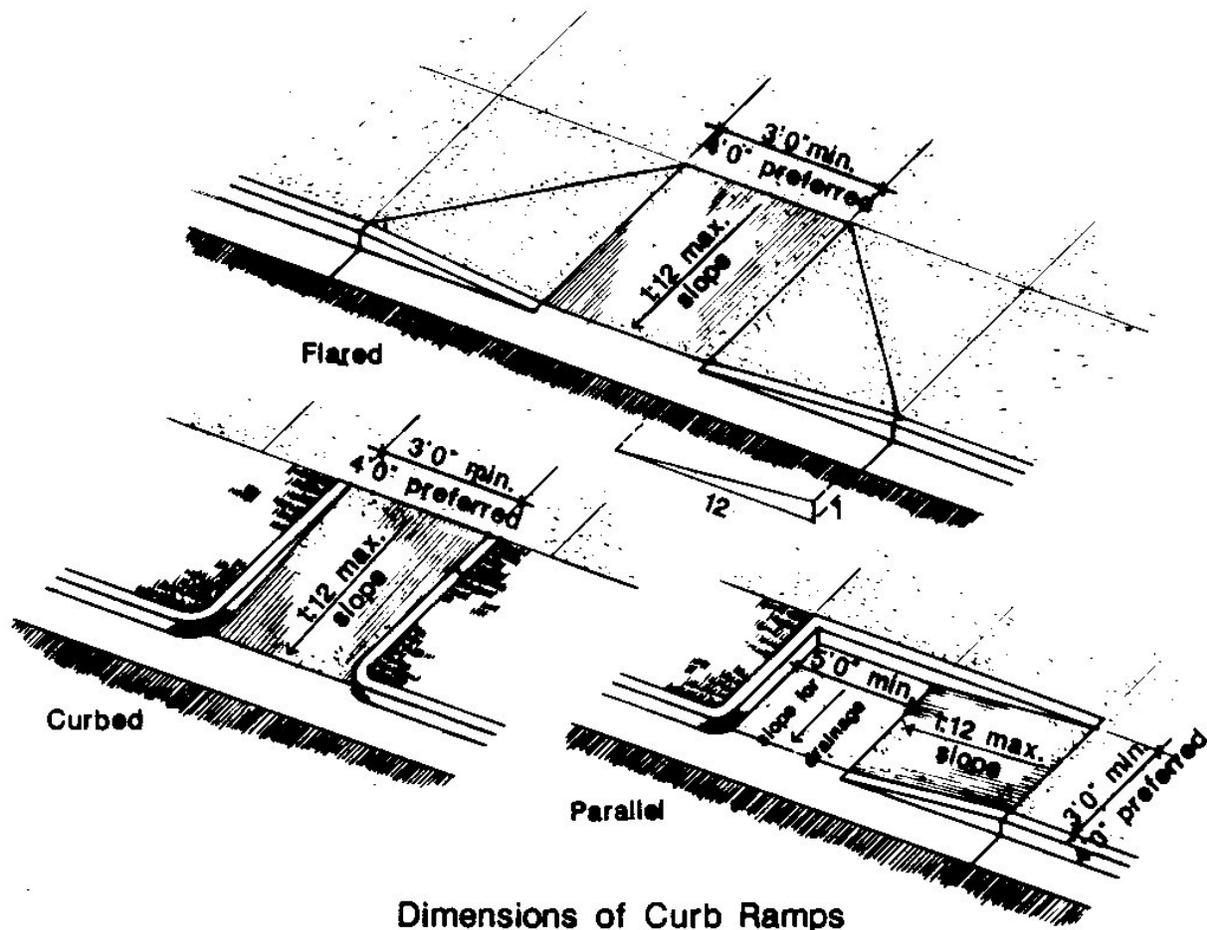


Figure V-3

## Walks 5

### Function:

To provide a continuous common surface free of steps or abrupt changes of level, so that the handicapped can maneuver easily throughout the hospital complex.

### Requirements:

1. Maximum slope of 1:33 (3%).
2. Minimum width of 6'-0".
3. Maximum cross slopes of 1:50 (2%).
4. Slip-resistant surface.
5. Rest areas every 200'.

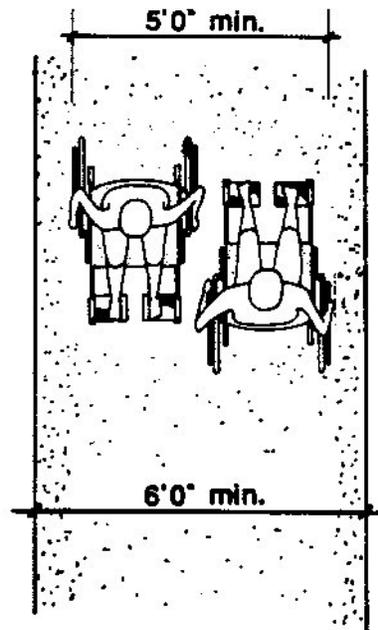


Figure V-4

Note: A minimum width of 5'-0" (60 in.) is required for two individuals in wheelchairs to pass each other.

## Exterior Door Entrances 6

### Function:

To provide a clear and level platform where doors open onto a walk or ramp for easy access to building.

### Requirements:

1. Minimum dimensions of platform 6'-0" x 6'-0".
2. Platform shall extend a minimum of 1'-6" beyond the latch side of single doors and 6" beyond both sides of double-leaf doorways.
3. Signage at accessible entrances.

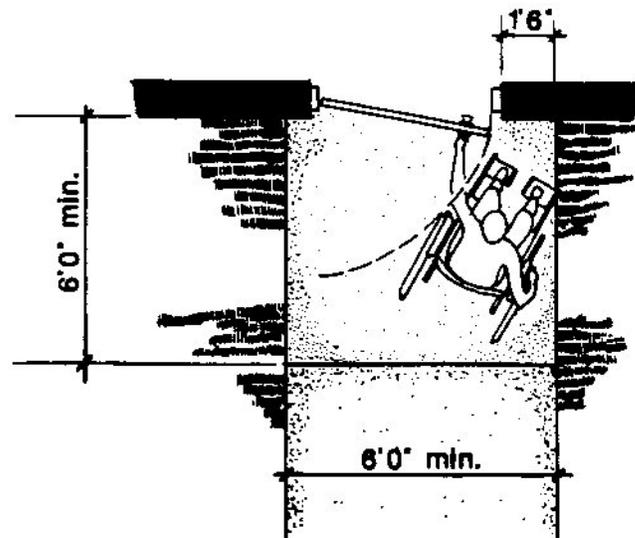


Figure V-5

## Ramps 7

### Function:

To provide handicapped access to building entrances or across steep topography where a gradual incline is not possible, i.e., any walkway that exceeds a 3% slope.

### Requirements:

1. Maximum slope of 1:20 (5%).
2. Minimum clear width of 4'-0".
3. Cross slope of 1:50 (2%).
4. Slip-resistant surface.
5. A level area of 5'-0" x 5'-0" provided at the top and bottom of each ramp.
6. Landings at least 5'-0" long.
  - a. Every 40' when slope is 1:33 (3%) to 1:24 (4%).
  - b. Every 35' when slope is 1:25 (4%) to 1:20 (5%).
7. Handrails installed on both sides and mounted at a height of 2'-9" and extend 1'-0" beyond beginning and end of ramp.
8. 4" high x 8" wide curbs on each side to prevent wheelchairs from scuffing walls or catching on railing posts. Such curbs also enable a person to stop a wheelchair that is out of control quickly by turning one wheel against the curb.

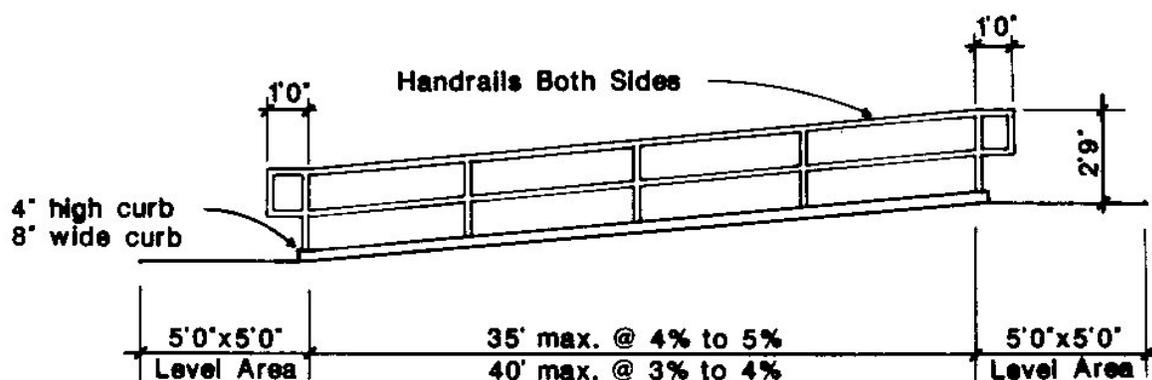


Figure V-6

## Grates 8

### Requirements:

Cast iron and similar gratings in walkways or pedestrian areas should not have openings larger than a 1/2 inch square. Manhole and access covers must be flush with the pavement or road surface.

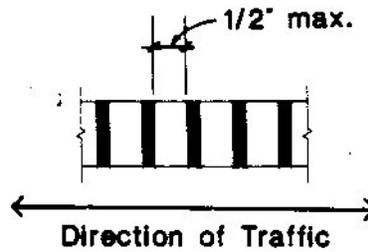


Figure V-7

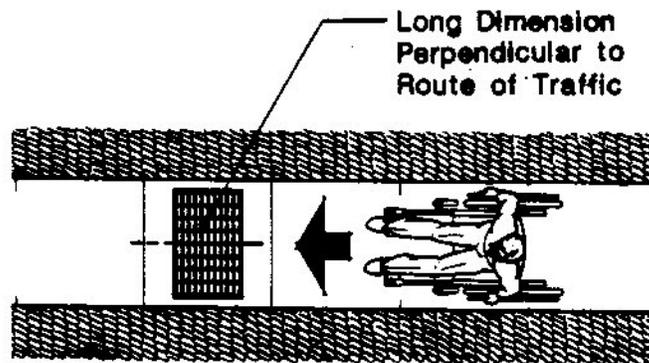


Figure V-8

## Trash Receptacles 9

### Requirements:

All trash receptacles in areas accessible to disabled persons should have an opening between 30 to 36 inches from the ground. Containers should be operable by one hand and have no sharp edges or corners. Each receptacle should be securely anchored to the ground or attached to a sturdy post. Many times such elements will be used as support by semi-ambulants. All receptacles should be placed in areas that can be reached by wheelchair users, preferably where they are not required to go across soft lawn or rough and irregular surfaces.

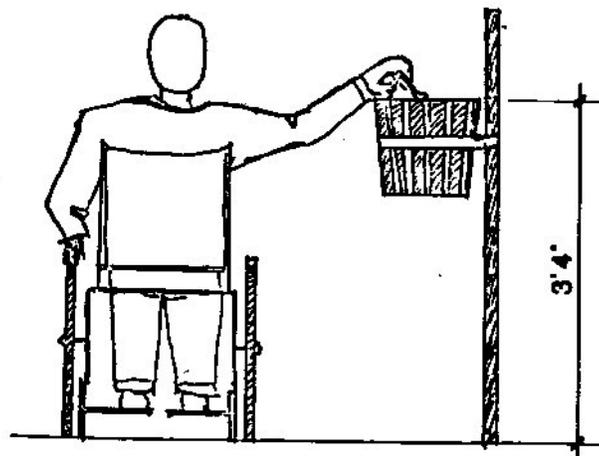


Figure V-9

## Telephones 10

### Requirements:

1. All operating mechanisms (dial, headset and coin slot) should be a maximum of 4'-0" above the floor.
2. A minimum 4'-0" clear floor space to allow parallel approach by wheelchairs.

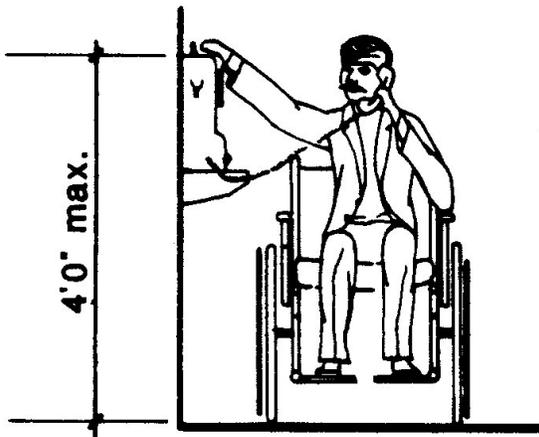


Figure V-10

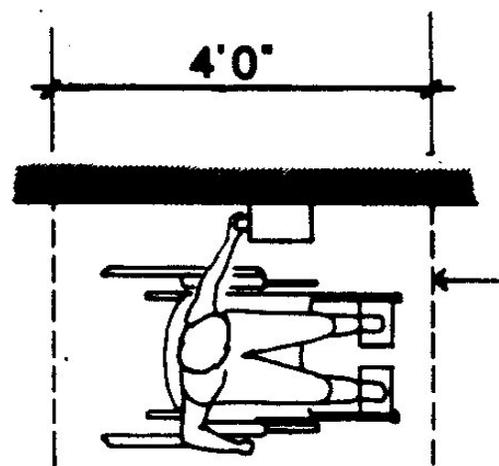


Figure V-11

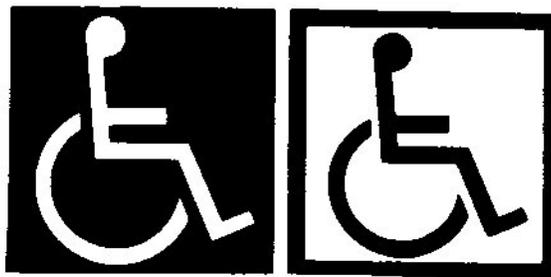
## Signs 11

### Function:

There are two different types of signage. One is the accessibility indicator informing a person if a facility is accessible to the disabled. The second is informative and illustrative. The international symbol of accessibility should be used as an integral part of the facility.

### Requirements:

Letters and numbers on signs shall have a width-to-height ratio between 3:5 and 1:1 and a spacing width-to-height ratio between 1:5 and 1:10. Characters and symbols shall contrast with their background – eight light characters on a dark background or dark characters on a light background. Consider when placing signs the height of a person seated in a wheelchair so that they can easily see the signs but not obstruct their view of danger areas or facilities. Also consider the placement of signs along walks so that nonsighted persons will not walk into them.



Example:

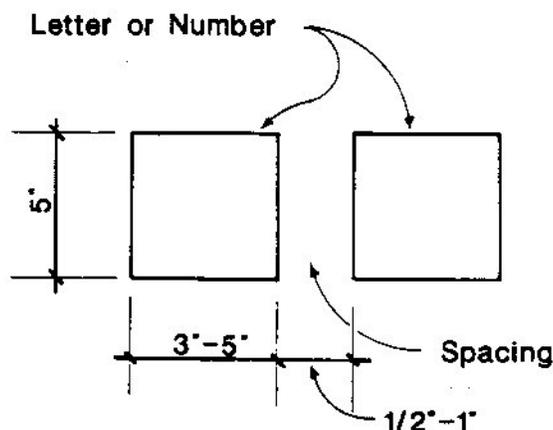


Figure IV-12

## Lighting 12

### Function:

Proper lighting is a necessity if the facilities are to be used after dark. All dropoff and pickup areas, parking spaces used by a disabled person, and important information signs should be adequately lit with at least 5 foot candles of unshadowed illumination. Critical areas for lighting are steps, ramps, and hazardous areas. The diagonal projection of light from one outlet should overlap the diagonal projection of the next.

### Requirements:

1. Lights should be arranged so that they form a single line directly over the center of a walk, ramp, or stairs to provide a visual path for persons with only light perception.
2. Overhead lighting tends to cast shadows especially by someone in a wheelchair and thus may be a hazard by obscuring the surface below. At hazardous locations, such as changes of grade, lower level supplemental lighting or additional overhead lights should be used. The light itself should not be placed at such a level that it will glare into a person's eyes. Eye level can be between 4 feet (wheelchair) and 6 feet. Where walkway illumination is obtained by low fixtures (3 feet or lower) there must be sufficient peripheral light to indicate what the surroundings are. Peripheral lighting provides for better security of the individual, if he can see into his surroundings, to determine if passage through an area is safe.

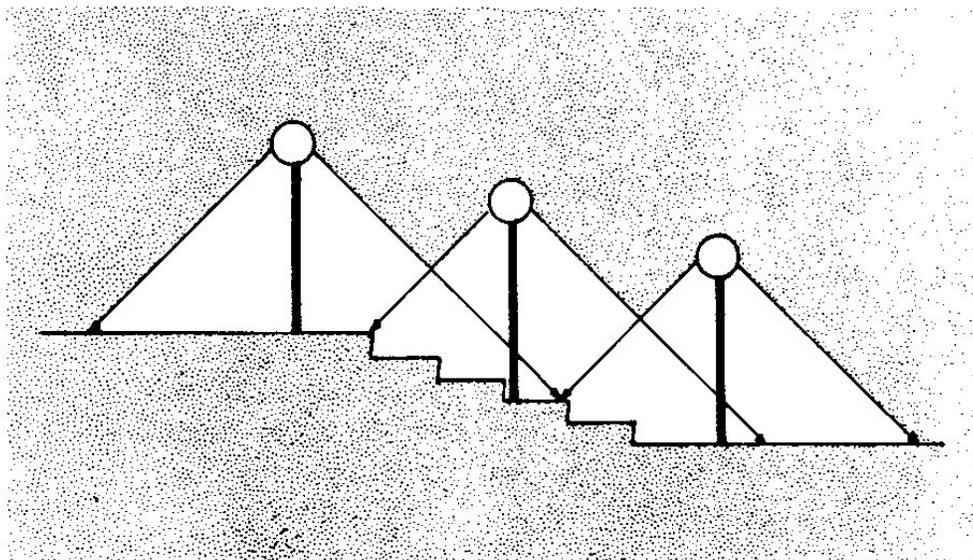


Figure V-13



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# Section VI

## OUTDOOR REHABILITATION GUIDEPLATES

A decorative graphic on the left side of the page, consisting of a staircase-like arrangement of squares in various shades of gray, ranging from light to dark. The squares are arranged in a descending pattern from top-left to bottom-right.

# SPINAL CORD INJURY CENTER

## **Users 1**

### **Users:**

Patients are the primary user at the nursing unit. Patients are classified as:

1. Intensive Rehab - recently injured and hospitalized from time of injury to one year with intensive rehabilitation.
2. Sustaining - have older injuries and hospitalized for medical reasons or additional rehabilitation.
3. Long-Term - unable to leave hospital in spite of rehabilitation efforts, usually an elderly population.

### **Functions:**

#### **I. REHABILITATION**

##### **A. Education - Physical and psychological adjustment to wheelchair confinement.**

1. Wheeling on a variety of surfaces.
2. Maneuvering over curbs, up steps, on moving surfaces, on ramps and in other potential circumstances.

##### **B. Therapy**

1. Exercise stations to develop physical capabilities needed in wheelchair use.
2. Sports facilities to develop physical activity as well aiding psychological adjustment.
3. Outdoor environment to aid in the initial adjustment to new physical circumstances and as a relief from indoor confinement. (Important to patients initially confined to gurneys.)

#### **II. RECREATION**

##### **A. Active – Primarily for patient use; participation by staff and visitors possible.**

1. Court Games
2. Other physical facilities adding variety to hospitalization routine.

**Functions (cont.):**

B. Passive – Patients, staff and visitors.

1. Visitor Areas – Due to the nature of hospitalization and potential length of stay, a separate, private area for visiting would contribute to the overall rehabilitation process.
  - a. A private, pleasant area providing picnic tables with a variety of seating combinations, barbecue facilities and nearby sources of drinking water.
  - b. A child's play area to occupy visiting children's restless moments and excess energies.
  - c. Games facilities
2. Random seating areas – located at various activity centers for observing activity, visiting or outdoor relaxation.
3. Extrinsic site amenities, such as landscaping, fountains and pools, contributing to the pleasure of the space.

## Sports Facilities 3

### Function:

The use of the following sport facilities strengthens larger upper muscles:

1. Shuffleboard
2. Horseshoes
3. Basketball

### Shuffleboard:

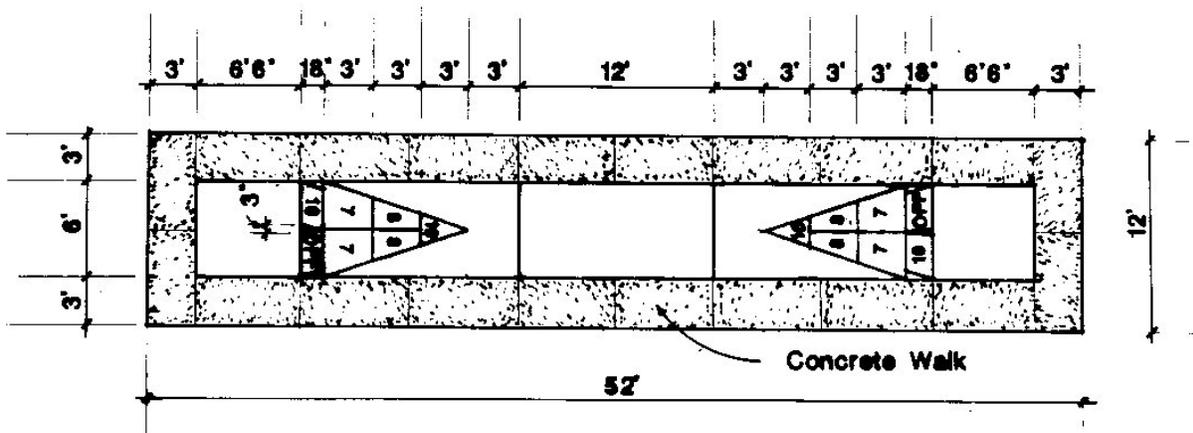


Figure VI-1

### Horseshoes:

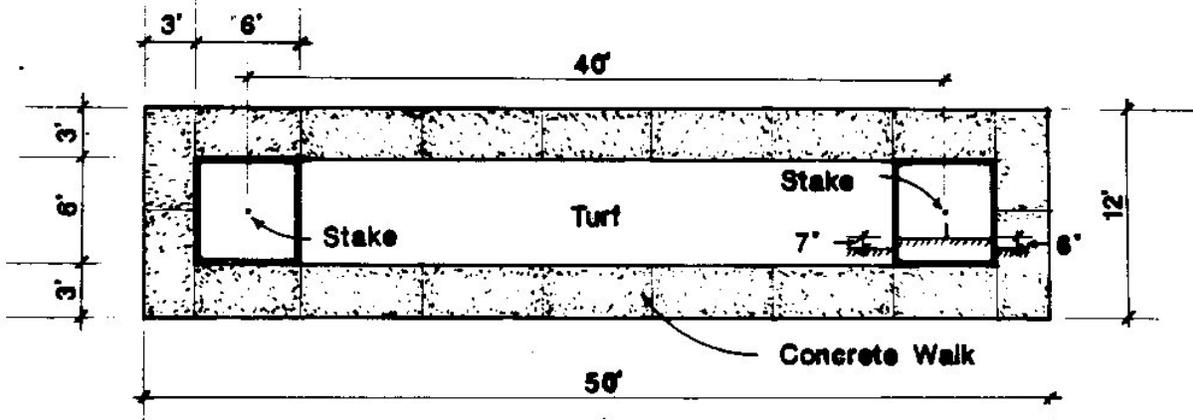


Figure VI-2

## Sports Facilities 4

### Basketball:

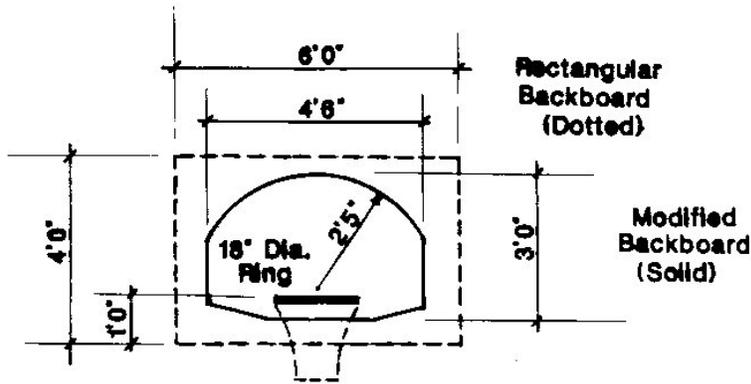


Figure VI-3

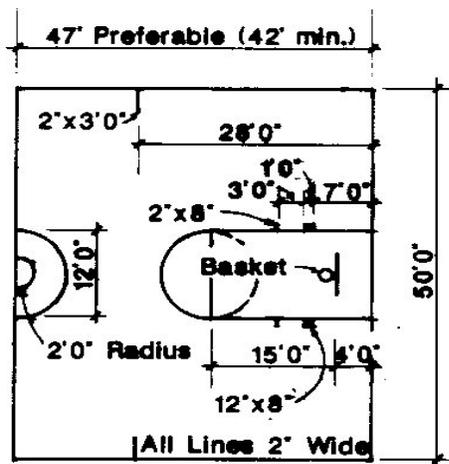


Figure VI-4

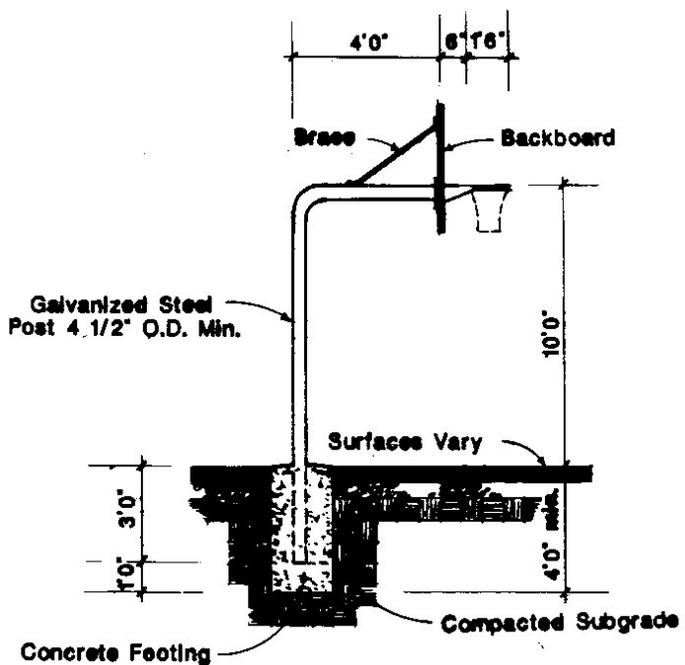


Figure VI-5

## Family Encounter Areas 5

### Function:

The use of the following quiet, passive areas encourage family encounter activities:

1. Picnic/Grill Areas
2. Seating Area/Benches for Patients
3. Childs Play Area (no guideplate)

### Picnic Table:

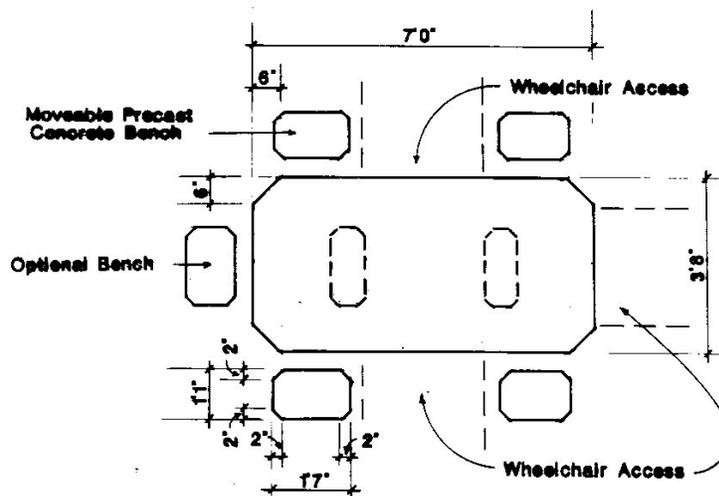


Figure VI-6

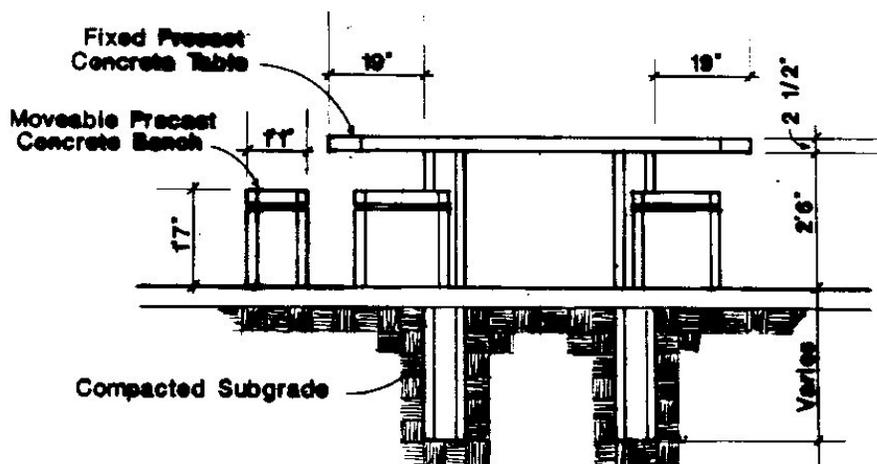


Figure VI-7

## Family Encounter Areas 6

### Outdoor Barbeque/Grill:

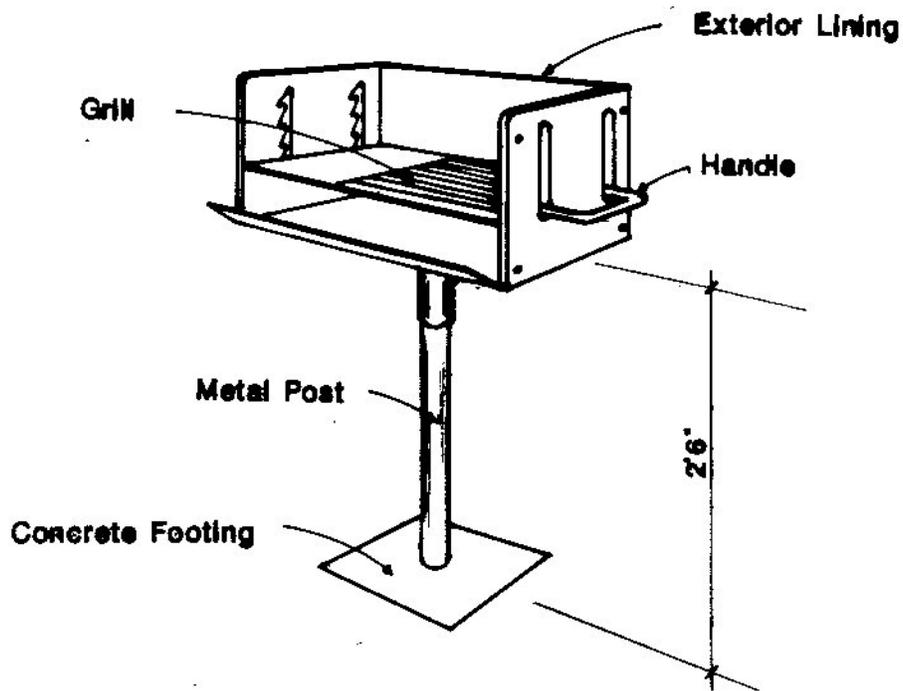


Figure VI-8

## Family Encounter Areas 7

### Seating Area:

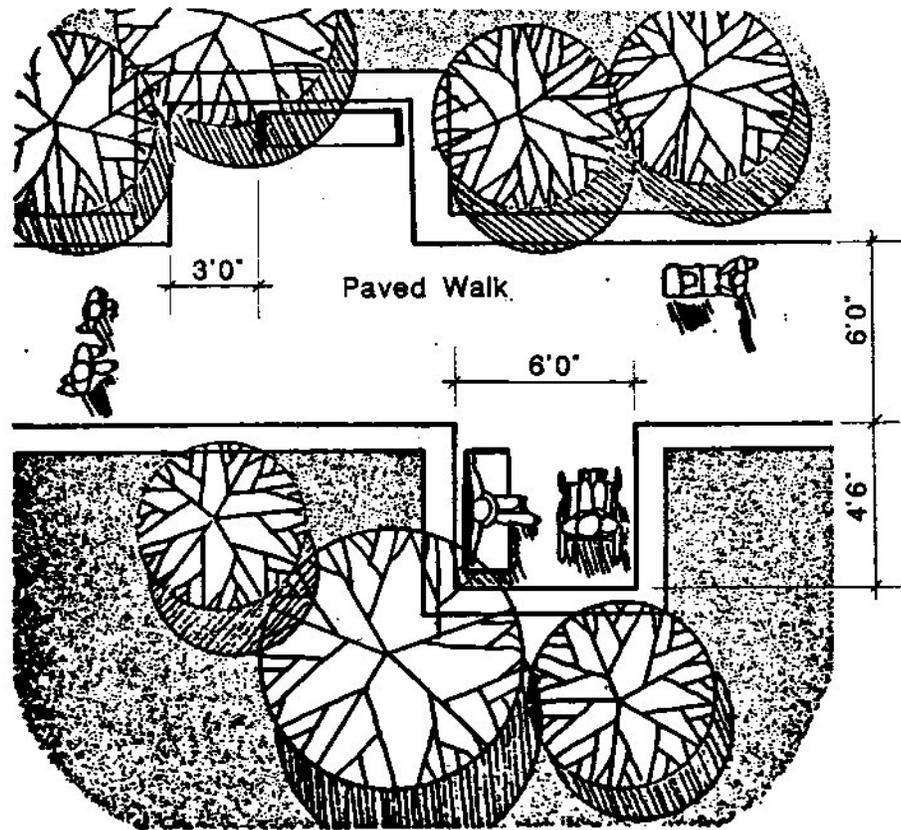


Figure VI-9

## Family Encounter Areas 8

### SEATING/BENCHES FOR PATIENTS:

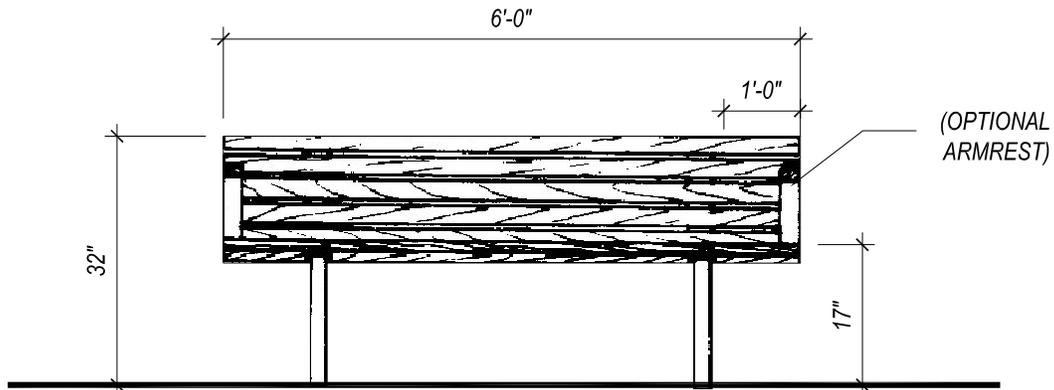


Figure VI-10

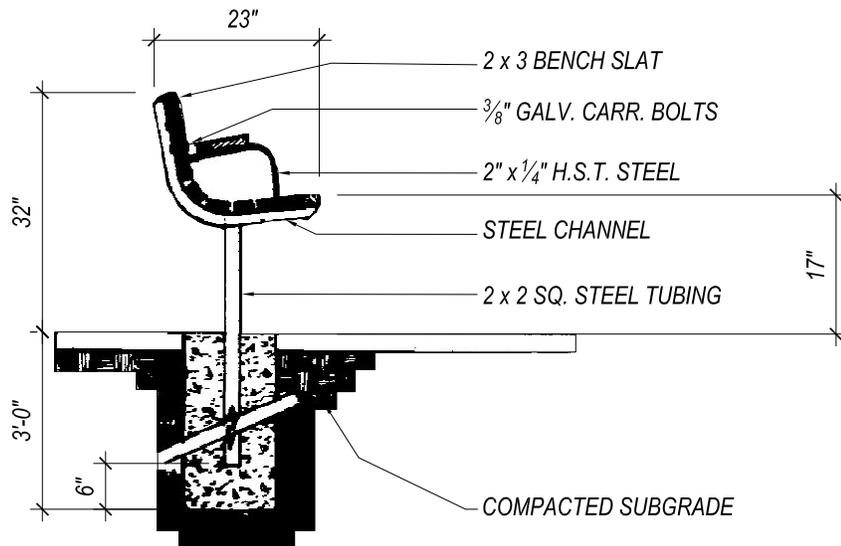


Figure VI-11

Note:

In most cases the semi-ambulant, rather than the wheelchair user, will use seats and benches. Most chair users have difficulty transferring from chair to a bench. A bench with a back rest and arm supports will give added body support to individuals affected by muscle weakness or spasms. Able bodied individuals also seem to prefer a bench with back support. Because of the difficulty the leg amputee or brace wearer has in rising from a seat to a standing position, extremely low benches should be avoided. Arm supports will help such an individual in rising as well as in being seated, although an obstacle when transferring from a wheelchair.

## Passive Recreation 9

### Function:

The use of the following facilities enhance manual and small muscles dexterity:

1. Seating Planters
2. Game Tables
3. Golf Putt (no guideplate)
4. Greenhouse (no guideplate)
5. Ham/CB Radio Shack (no guideplate)

### Seating Planters:

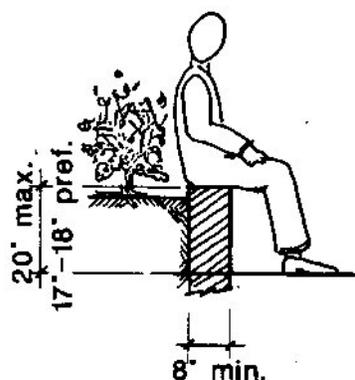


Figure VI-12

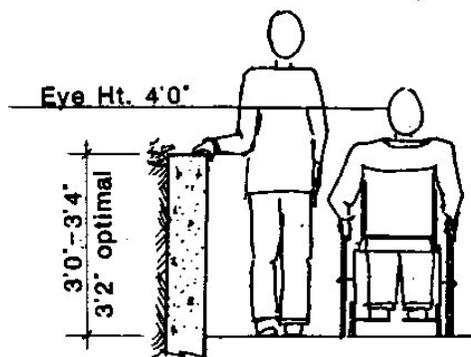


Figure VI-13

Note:

Retaining walls and raised planter boxes can also double as seating areas or support devices, provided they are designed at the right height and width. Free standing walls and fences, usually 5 or 6 feet high, can also be grasped for support if needed. Walls which are constructed of concrete or masonry can serve as directional guides for the blind by sound reverberation.

## Passive Recreation 10

### Game Table:

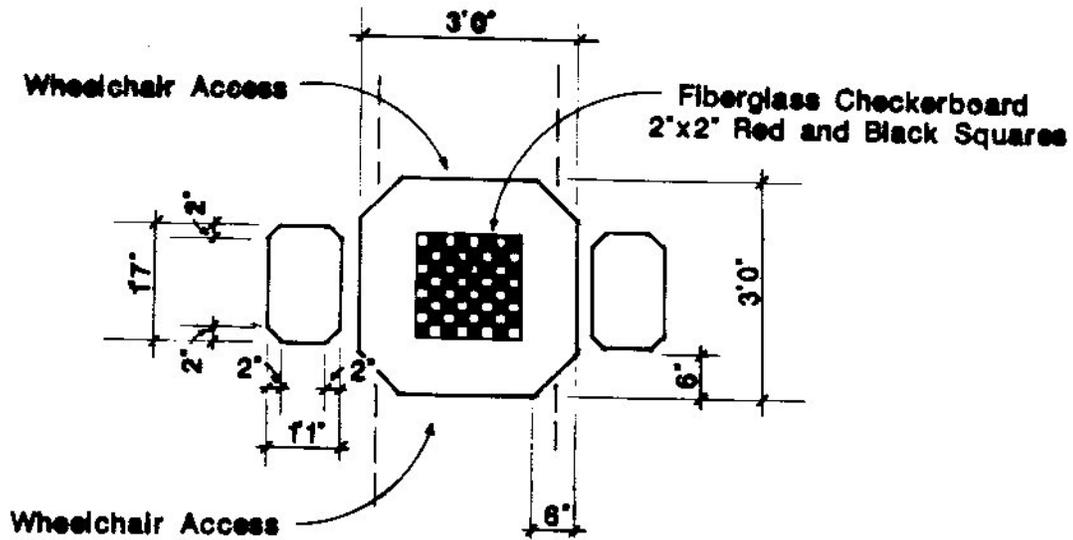


Figure VI-14

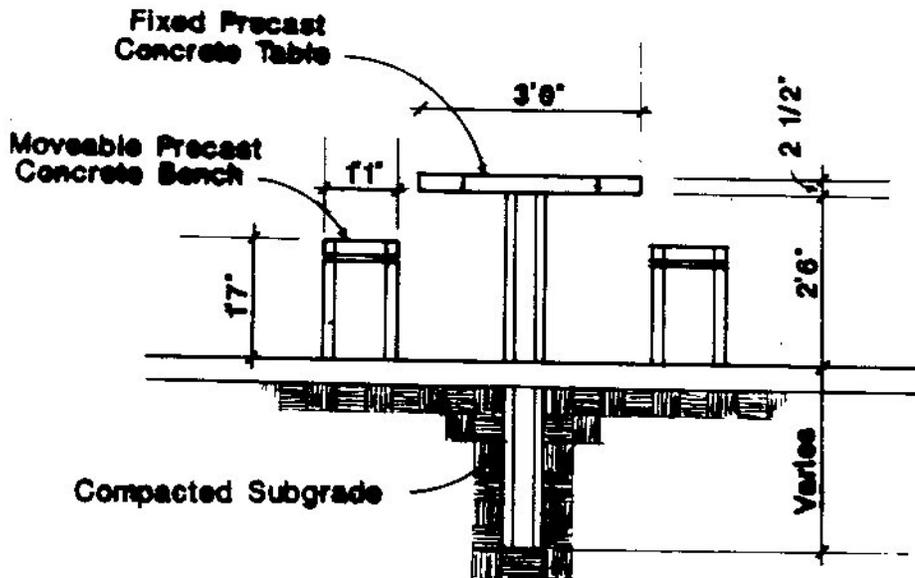


Figure VI-15

## Thermo Regulation 11

### Function:

SCI patients, especially quadriplegics, who have difficulty maintaining body temperature control, require the following elements to cool their bodies:

1. Drinking Fountain
2. Trellis/Shade Area

### Drinking Fountain:

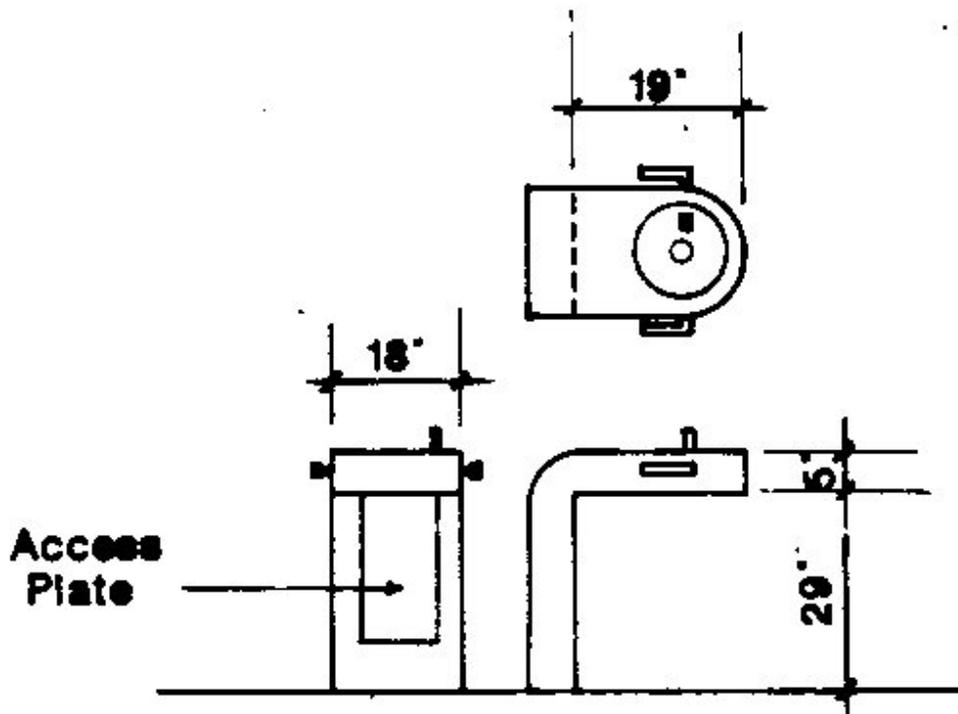


Figure VI-16

## Thermo Regulation 12

### Trellis/Shade Area:

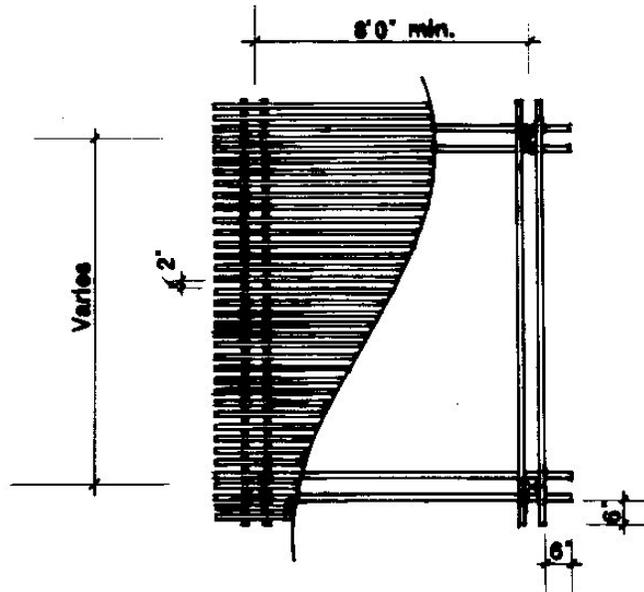


Figure VI-17

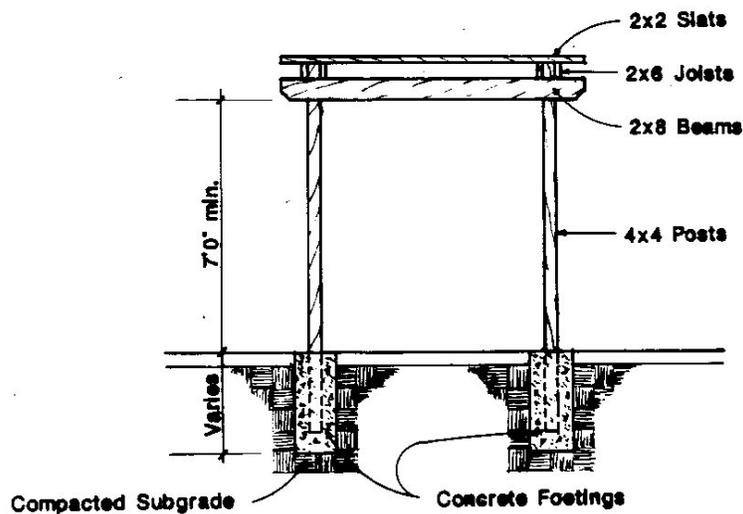


Figure VI-18

\*All wood is pressure treated lumber.

## Equilibrium 13

### Function:

This activity promotes balance and a sense of equilibrium. A patient rolls onto the bridge balancing as long as possible in the center.

### Rocking Bridge:

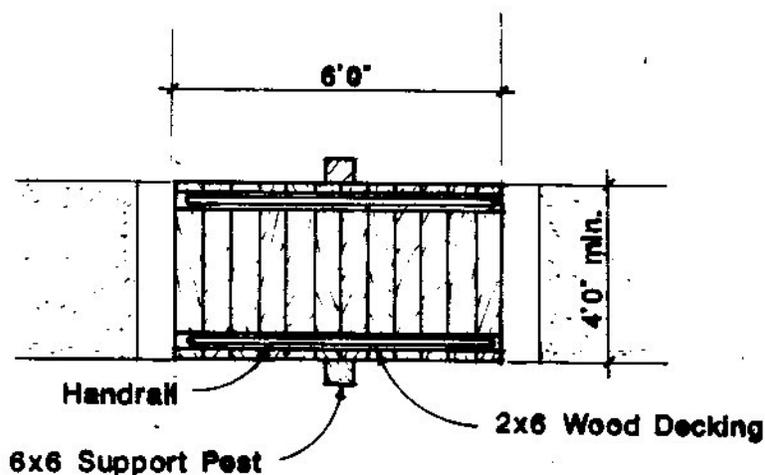


Figure VI-19

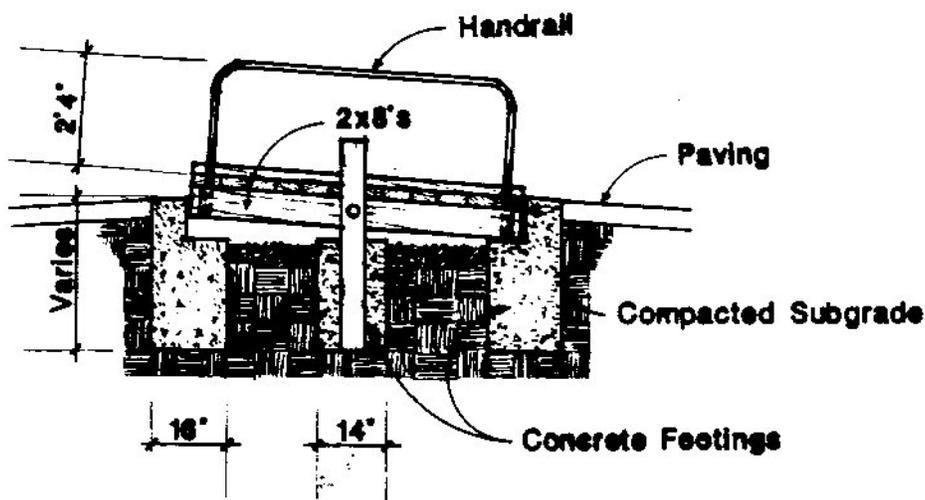


Figure VI-20

\*All wood is pressure treated lumber.

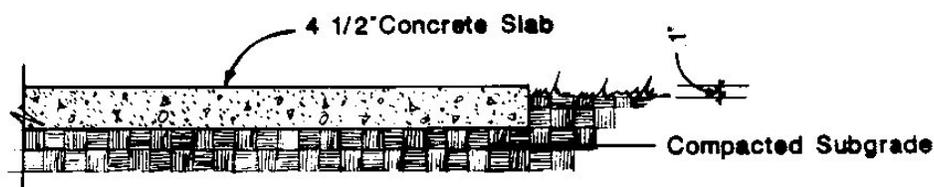
## Wheeling Surfaces 14

### Function:

The following elements will educate the patient for wheeling on a variety of surfaces and in other difficult areas. The arrangement of the wheeling surfaces can vary depending on the objectives each SCI Clinic and the amount of outdoor space available.

1. The minimum dimensions of 4 feet by 10 feet are required for the following surfaces:
  - a. Concrete/Exposed Aggregate
  - b. Asphalt/Sloped Asphalt (Standing Water Option)
  - c. Brick Pavers
  - d. Concrete Pavers
  - e. Flagstone
  - f. Wood Planks
  - g. Sand
  - h. Gravel
  - i. Barkmulch
  - j. Natural Turf
  - k. Artificial Turf/Synthetic Turf
2. Curb/Curb Ramp/Sidewalk
3. Steps
4. Ramp (1:12 Slope)
5. Exercise Stations

### Concrete/Exposed Aggregate



#### Concrete/Exposed Aggregate



##### Broom Finish

Use stiff bristle for coarse texture. Use soft bristle on steel troweled surface for fine texture.



##### Exposed Aggregate

Seed aggregate uniformly onto surface. Embed by tamping. After setup, brush lightly and clean with spray. If using aggregate mix, towel and expose by washing fines or use a retarder.

Figure VI-21

## Wheeling Surfaces 15

### Asphalt/Slope Asphalt (Standing Water Option)

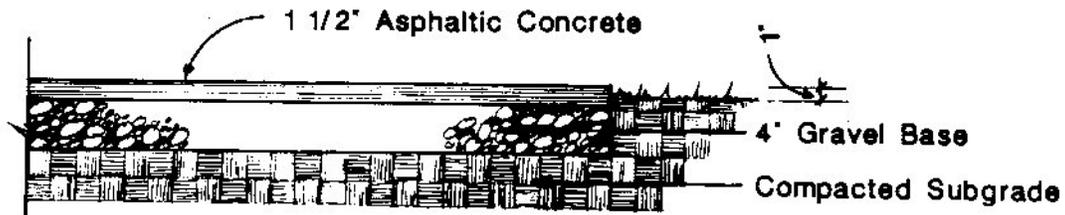


Figure VI-22

### Brick Pavers

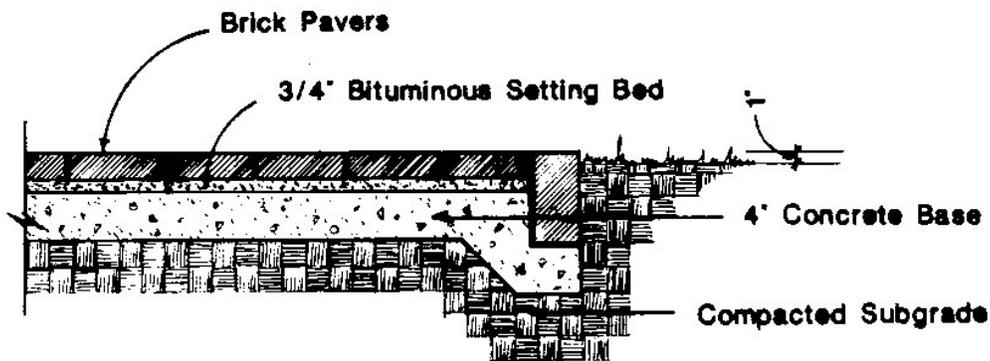


Figure VI-23

### Concrete Pavers

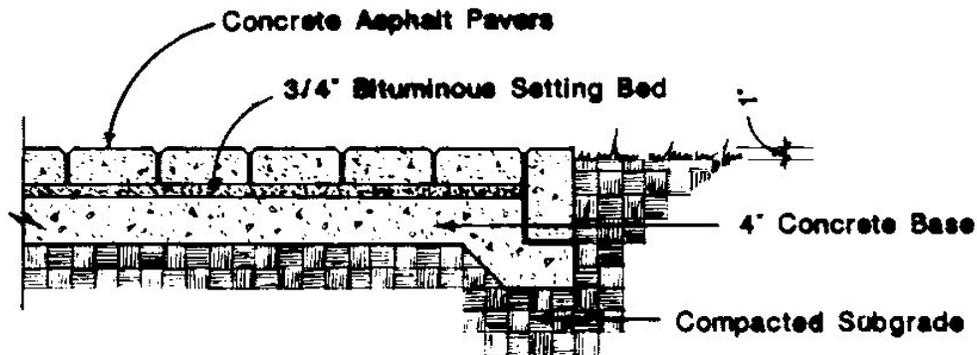


Figure VI-24

## Wheeling Surfaces 16

### Flagstone

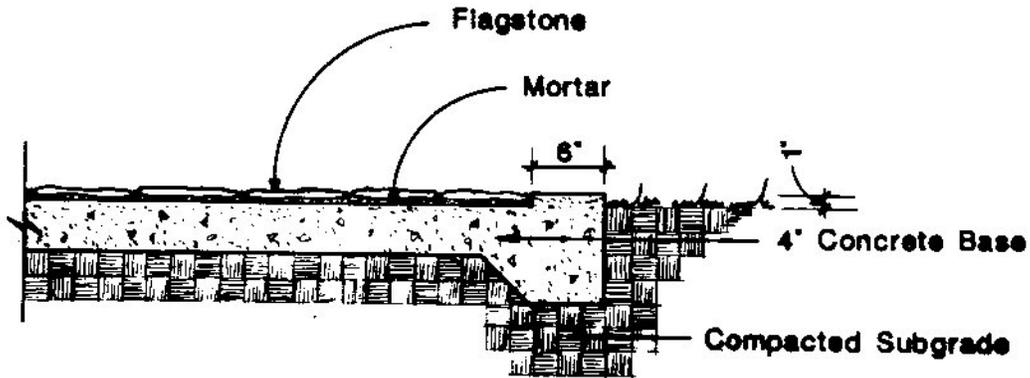


Figure VI-25

### Wood Planks

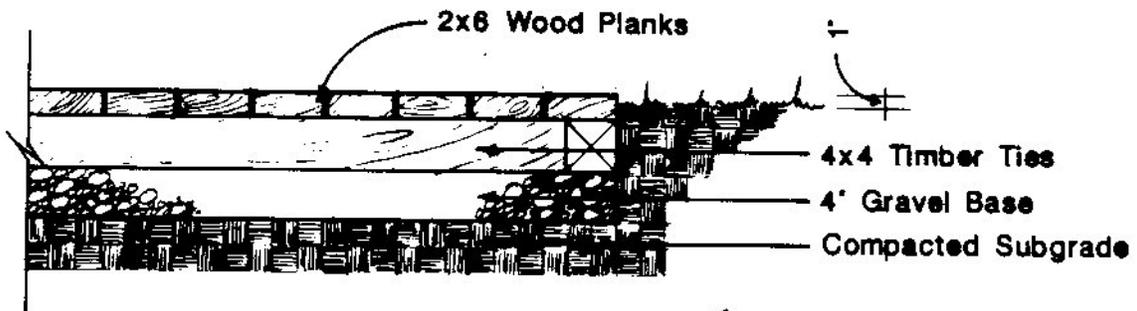


Figure VI-26

## Wheeling Surfaces 17

### Sand



Figure VI-27

### Gravel

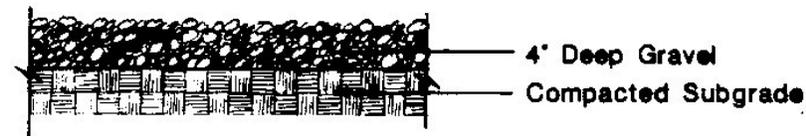


Figure VI-28

### Barkmulch

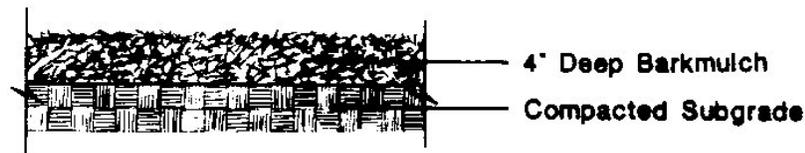


Figure VI-29

### Natural Turf

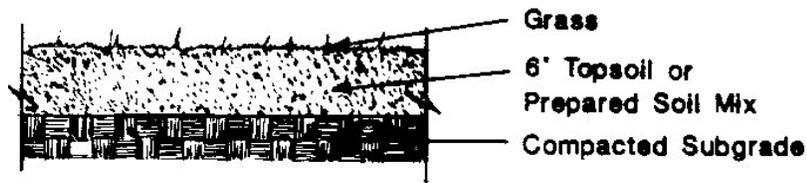


Figure VI-30

### Artificial/Synthetic Turf

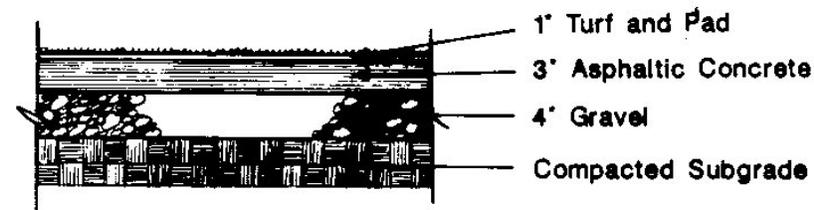


Figure VI-31

## Wheeling Surfaces 18

### Curb/Curb Ramp/Walk:

#### Plan

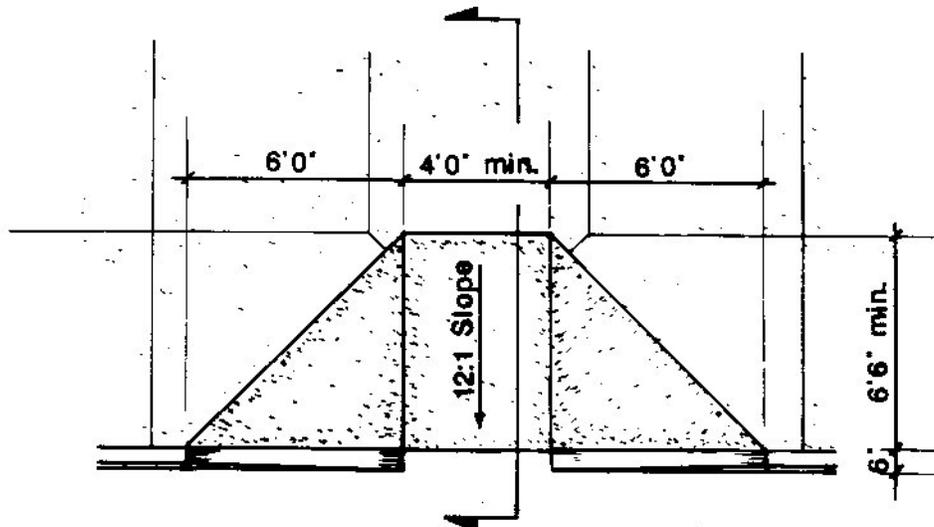


Figure VI-32

#### Section

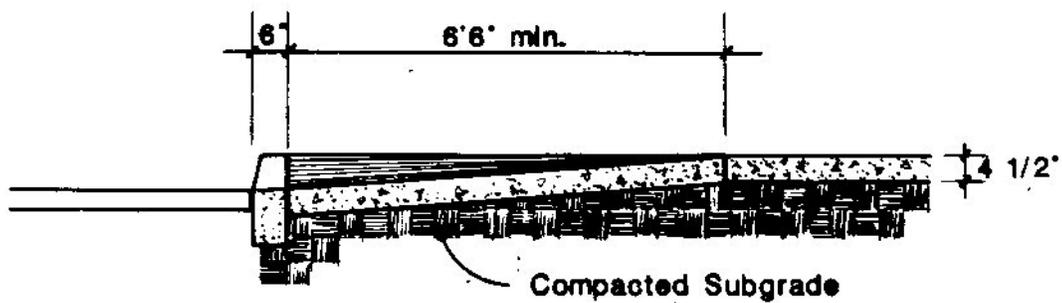


Figure VI-33

## Wheeling Surfaces 19

### Concrete Steps:

#### Plan

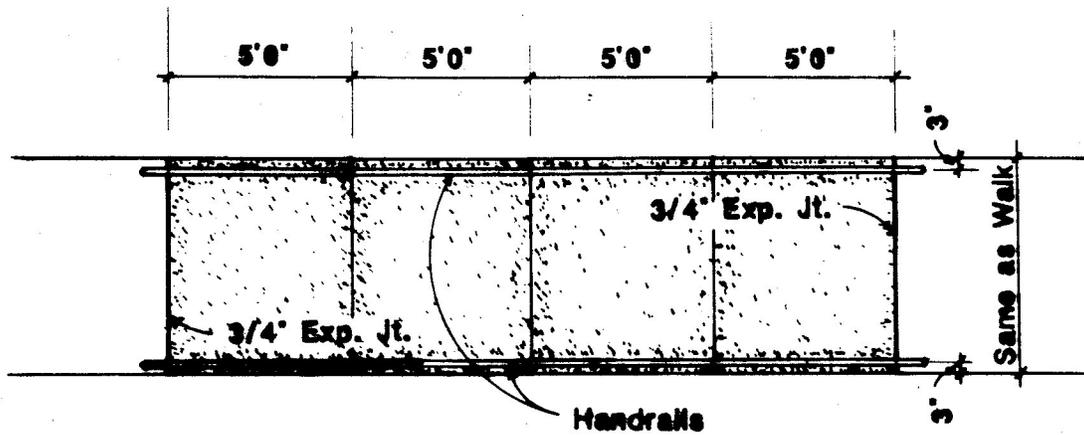


Figure VI-34

#### Section

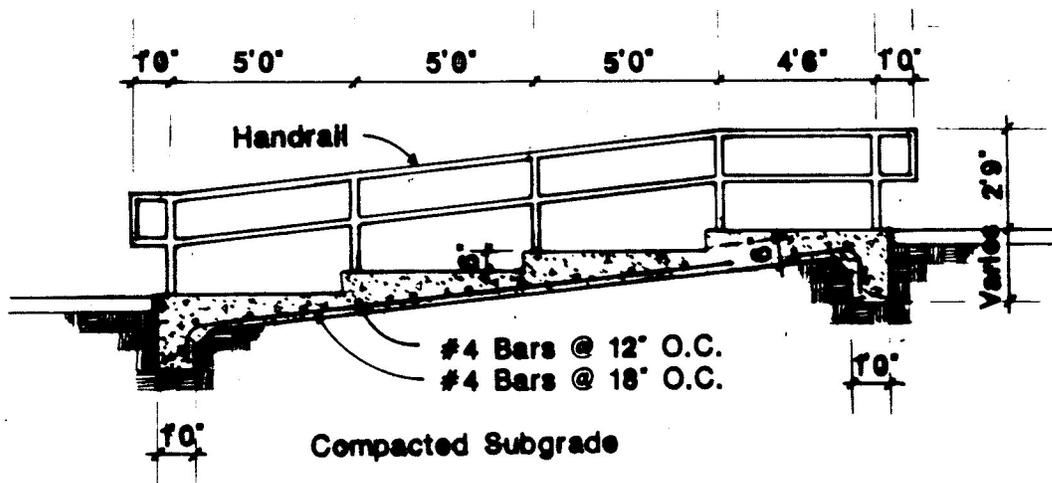


Figure VI-35

## Wheeling Surfaces 20

### Ramp (12:1 Slope):

#### Elevation

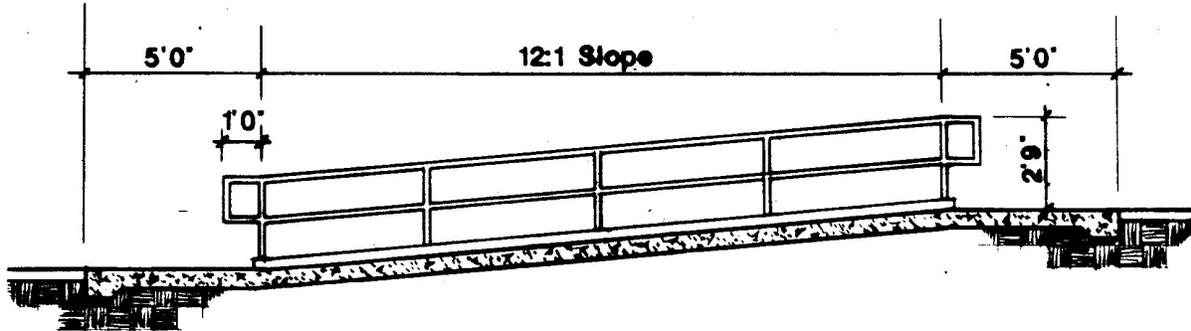


Figure VI-36

#### Cross-Section

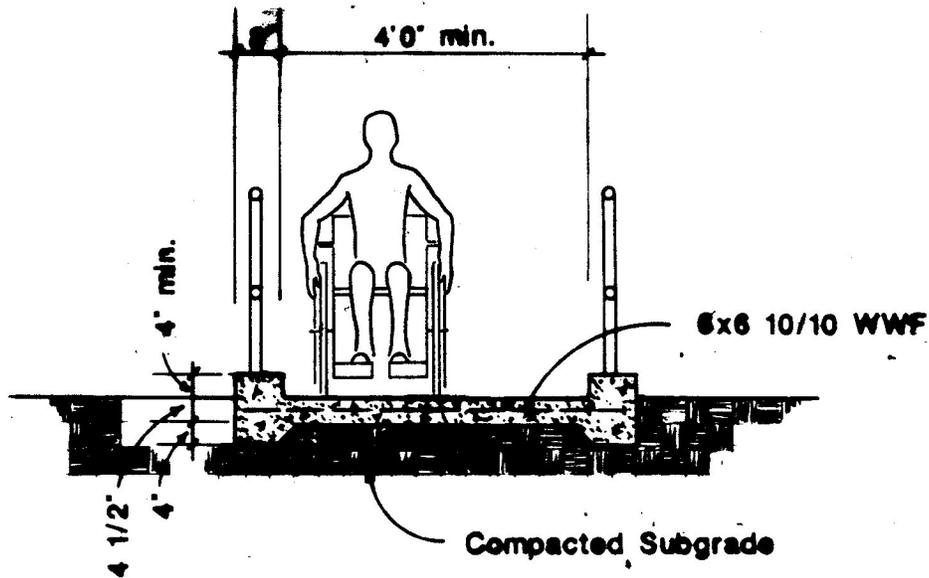


Figure VI-37

## Exercise Stations 21

### Function:

The Exercise Stations for the Disabled is a multi-use facility. Each station has signs and apparatus for both the disabled and the able-bodied. This allows both the handicapped and able-bodied persons to enjoy the same exercise program together.

<p><b>SHOULDER STRETCH</b></p> <p>Stand on the left side of the wheelchair. Place your right hand on the left shoulder. Pull the right arm across your chest. Hold for 15 seconds. Repeat on the other side.</p>	<p><b>SIT &amp; REACH</b></p> <p>Slide forward in the wheelchair. Reach your arms straight out in front of you. Hold for 15 seconds.</p>	<p><b>BEND &amp; REACH</b></p> <p>Slide forward in the wheelchair. Bend your knees and reach your arms straight out in front of you. Hold for 15 seconds.</p>	<p><b>KNEE-LIFT</b></p> <p>Slide forward in the wheelchair. Lift your right knee up towards your chest. Hold for 15 seconds. Repeat on the other side.</p>	<p><b>ARM ROTATION</b></p> <p>Slide forward in the wheelchair. Rotate your right arm clockwise and counter-clockwise. Hold for 15 seconds on each side.</p>	<p><b>FORWARD WEAWE</b></p> <p>Slide forward in the wheelchair. Weave your arms in and out in front of you. Hold for 15 seconds.</p>
<p><b>Shoulder Stretch</b> Stretches the shoulder and upper back muscles. It will also stretch the muscles in the lower back.</p>	<p><b>Sit and Reach</b> Stretches the hamstring muscles (behind the thigh) and the muscles in the lower back.</p>	<p><b>Bend and Reach</b> A good stretch for the upper and lower back muscles.</p>	<p><b>Knee-Lift</b> Loosens and stretches the hamstring muscles and provides a light stretch around the knees.</p>	<p><b>Arm Rotations</b> Loosens the shoulder joints and acts as a warm-up for the shoulder muscles.</p>	<p><b>Forward Weave</b> This activity will improve your overall maneuverability.</p>
<p><b>REVERSE WEAWE</b></p> <p>Slide backward in the wheelchair. Weave your arms in and out behind you. Hold for 15 seconds.</p>	<p><b>CIRCLE BODY</b></p> <p>Slide forward in the wheelchair. Circle your arms in front of you. Hold for 15 seconds.</p>	<p><b>BACK ARCH</b></p> <p>Slide forward in the wheelchair. Arch your back and hold for 15 seconds.</p>	<p><b>CHIN-UP</b></p> <p>Slide forward in the wheelchair. Lift your chin up towards your chest. Hold for 15 seconds.</p>	<p><b>SIDE STRETCH</b></p> <p>Slide forward in the wheelchair. Stretch your right arm across your body. Hold for 15 seconds. Repeat on the other side.</p>	<p><b>HORIZONTAL CHIN-UP</b></p> <p>Slide forward in the wheelchair. Lift your chin up horizontally. Hold for 15 seconds.</p>
<p><b>Reverse Weave</b> This will improve your ability to maneuver your wheelchair backwards.</p>	<p><b>Circle Body</b> Strengthens the muscles in the shoulders, back and forearm. Also stretches the back muscles.</p>	<p><b>Back Arch</b> A strengthening exercise for the muscles of the lower back.</p>	<p><b>Chin-Up</b> A strengthening exercise for the shoulders, upper back, biceps, forearm and lats (muscles to sides of back).</p>	<p><b>Side Stretch</b> This will stretch the muscles along your side from your upper arm to your waist.</p>	<p><b>Horizontal Chin-Up</b> A strengthening exercise for the shoulders, upper back, biceps, forearm and lats (muscles to sides of back).</p>
<p><b>SIT-UP</b></p> <p>Slide forward in the wheelchair. Lift your upper body up. Hold for 15 seconds.</p>	<p><b>PUSH-UP</b></p> <p>Slide forward in the wheelchair. Push your arms down. Hold for 15 seconds.</p>	<p><b>BODY STRETCH</b></p> <p>Slide forward in the wheelchair. Stretch your body. Hold for 15 seconds.</p>	<p><b>SHOULDER DIPS</b></p> <p>Slide forward in the wheelchair. Dip your shoulders down. Hold for 15 seconds.</p>	<p><b>BACK STRETCH</b></p> <p>Slide forward in the wheelchair. Stretch your back. Hold for 15 seconds.</p>	<p><b>ABDOMEN BREATHING</b></p> <p>Slide forward in the wheelchair. Breathe in and out. Hold for 15 seconds.</p>
<p><b>Sit-Up</b> A good strengthening exercise for the muscles in the upper torso, from the stomach to your chest.</p>	<p><b>Push-Up</b> This will strengthen the back, shoulder and tricep muscles.</p>	<p><b>Body Stretch</b> A good stretching exercise for the muscles in the shoulders and upper back.</p>	<p><b>Shoulder Dips</b> An excellent exercise to strengthen the upper back, shoulders and tricep muscles.</p>	<p><b>Back Stretch</b> This will stretch and loosen the muscles in your back.</p>	<p><b>Abdomen Breathing</b> This serves as a cool-down activity. It will condition and relax the diaphragm muscles.</p>

Figure VI-38