



Department of
Veterans Affairs

Office of Facilities Management

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