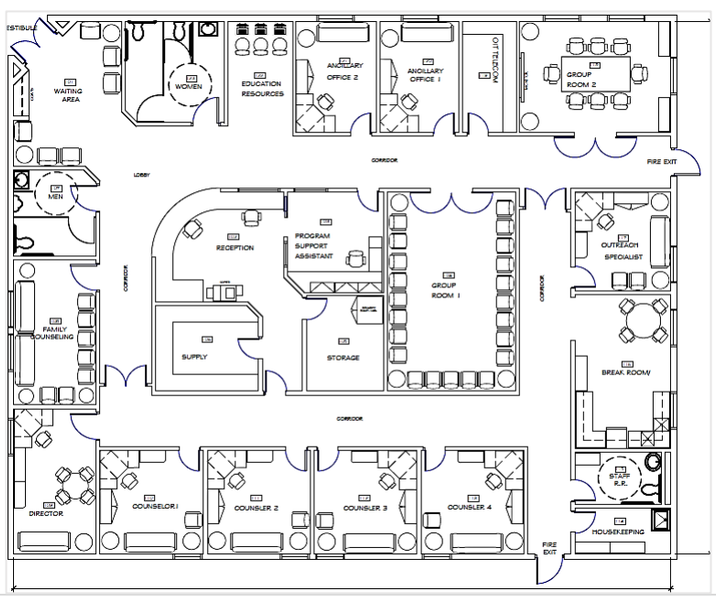
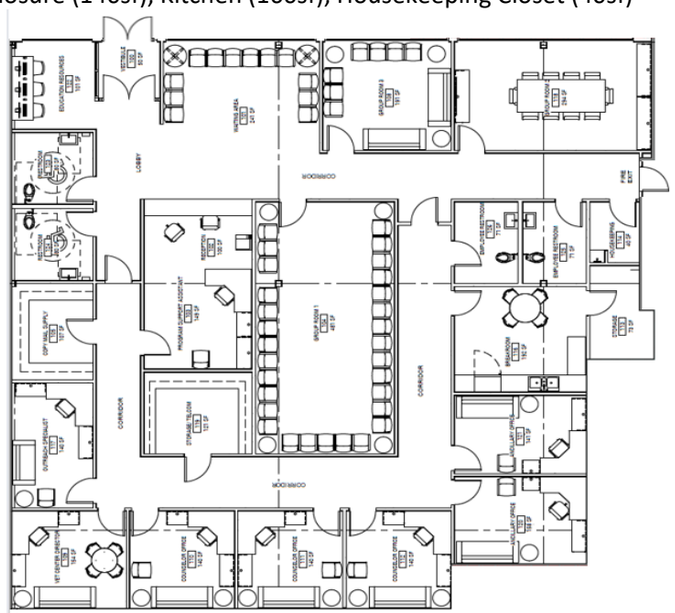
READJUSTMENT COUNSELING SERVICE - VET CENTER
AGENCY SPECIFIC REQUIREMENTS - STATEMENT OF WORK
VET CENTER NAME: KENAI VET CENTER OUTSTATION
SOW DATE: 10/8/2026

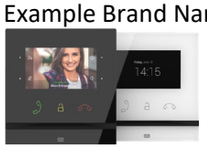
a. Vet Center Agency Specific Requirements will be used in conjunction with the standards and specifications found in the Request for Lease Proposal and the GSA Global Lease. If any conflict between standards or regulatory framework is found, the offeror must use the higher standard and follow the more stringent regulation.

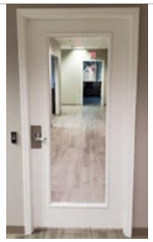
b. Lease shall be Fully Serviced with the following services paid for/provided by the Lessor through the annual rent.
- Utilities.
- Janitorial.
- Basic Cable to include local channels in the Waiting Area (Lobby) and three Group Rooms**.**
- Guest Business High-Speed Internet Wi-Fi.
- Security and CCTV System monitoring and maintenance to include software/hardware updates provided by the Lessor and paid through the annual rent.
- Security System tested quarterly by the Lessor; a copy of the report sent to VA.

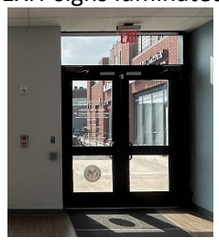
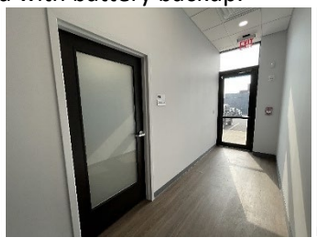
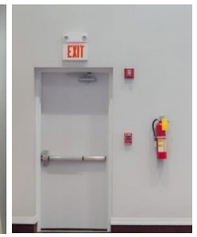
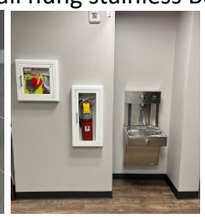
c. Space Requirements - approximate sizes and quantities for this location.
- Welcome Area. Waiting (300sf), Education (40sf), Restroom Family (75sf), Restroom Unisex (60sf)
- Staff Clinical Area. Office (150sf), Program Support/Reception (160sf), Group Room 1 (480sf), Group Room 2 (240sf), Group Room 3 (180sf), Restroom Unisex (60sf)
- Support Area. Copy/Supply (120sf), Storage/Telecommunications Enclosure (140sf), Kitchen (160sf), Housekeeping Closet (40sf)



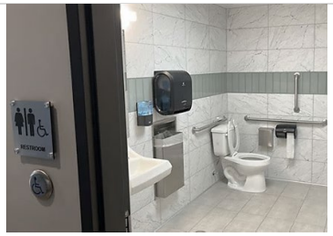
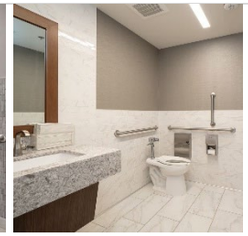
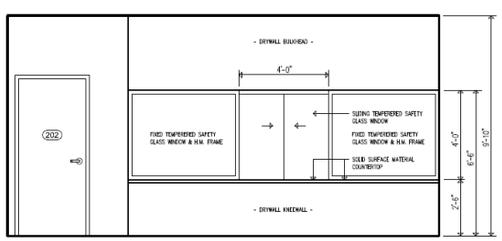
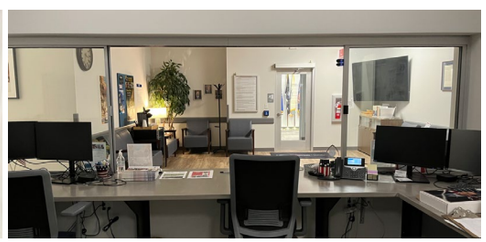


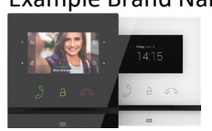
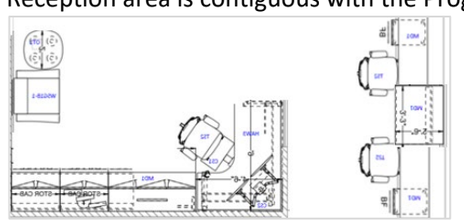
A. ROOM REQUIREMENTS		NOTES / COMMENTS
1. EXTERIOR		
Safety.	a. Cameras. Exterior cameras provide unobstructed monitoring of pedestrian entrances, exits, and government vehicles.	
Other.	b. Flagpole. - Ability to display 4x6 American Flag and a 3x5 POW flag underneath, near building main entrance. - Illuminated during the hours of darkness. - Minimum Height 20 feet. - Stainless steel or aluminum in material as per VA Standard Specification section 10 75 00. - Lessor to maintain that flag and flagpole. https://www.gsa.gov/system/files/GSA%20Flag%20Policy%2020230327_1.pdf	*Preferred/Not Required*
2. ENTRANCE		
Door.	a. Vestibule. Located at the public entrance where weather conditions and heat loss are important factors. b. Automatic Single Slide Door System with Safety Sensors, Hardware, Impact Glass, Emergency opening, Battery backup. 	*Preferred Automatic Single Slide Door System*
Door Key Control Access.	c. Access controlled door that uses a wireless, contactless reader for entry. d. Video intercom system at the exterior entrance to allow VA staff to view and communicate with visitors, with remote door release capability from the Program Support Office/Reception. e. Example Brand Name Equal. https://www.2n.com/en-US/products/indoor-stations/2n-indoor-compact/ 	
3. LOBBY, WAITING AREA		
Door.	a. Full-length glass panel. (Qty 2). b. Door stops to protect walls.	

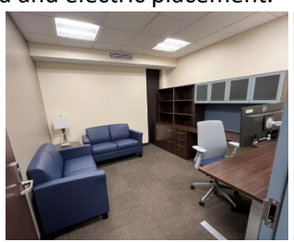
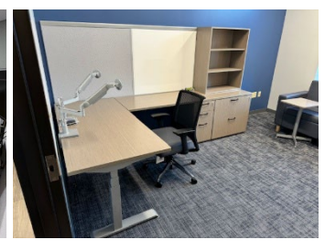
		
Door Key Control Access.	c. Access controlled door with a wireless, contactless reader for entry. d. Remote door release capability from the Program Support Office/Reception. e. HID Contactless Reader Solutions https://www.alddataresource.com/assets/hid_global/HID-pivCLASS-Contactless-Readers-Datasheet.pdf	
Ceiling.	f. Acoustic Ceiling Panel Tiles g. Acoustic Ceiling Insulation above the ceiling grid for soundproofing ceiling.	
Window.	h. Direct window access. i. Window Coverings. Horizontal manual roller shades with solar glare and heat reduction.	
Wall/Wall Finish.	j. Paint all rooms/spaces with primer, two finish coats, and accent wall color; location determined in collaboration with VA. k. Wall backing and mounting materials for VA furnished TV installed by Lessor; location determined in collaboration with VA. l. Vinyl Corner Guards mounted at height 48” from top of vinyl base in hallways.	
Floor.	m. Luxury Vinyl Tile/Plank 5mm thickness + 20mil wear layer; continues through hallway corridor.    	
Lighting.	n. Multilevel Switching, Dimming & Occupancy Sensor, 60-minute time delay.	
Electric.	o. One (1) per wall duplex outlet. p. One (1) quad electric behind the TV (60” from the floor). q. Cable TV wall jack behind the TV (60” from the floor).	
Communications Data.	r. One (1) data outlet behind TV (60” from the floor).	

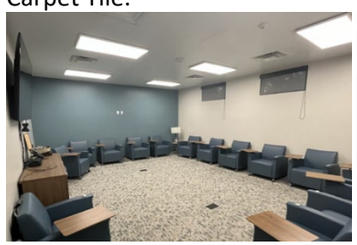
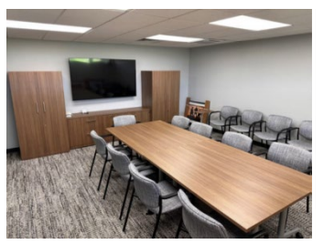
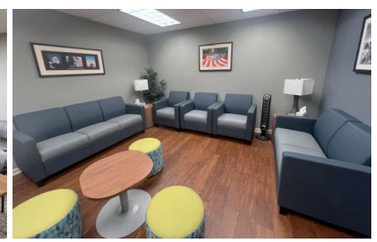
Sound Isolation.	s. Wall soundproofing <u>suggestions</u> include as sound-absorbing insulation inside the wall cavity, install double-layer drywall with noise-reducing compound, staggered stud or double stud walls for maximum isolation.	
Safety.	t. Cameras. Interior cameras to provide unobstructed monitoring of entrances. u. EXIT signs luminated with battery backup.   	
Other.	v. Corridors are minimum of 5 feet in clear width. w. Universal Thermostat locking clear cover. x. Drinking Fountain. Wall hung stainless Bottle Filling Station Single ADA Cooler; Maintenance/filter replacement by Lessor.  	
3. RESTROOM		
Door.	a. Solid-core doors. b. Perimeter door seals and automatic door bottoms. c. Power Assisted Door for one (1) Unisex/Family Restroom accessible from the lobby.	
Door Key Control Access.	f. Privacy/Latch Lock with Occupancy Indicator. g. Cylindrical or mortise locksets with a built-in turn-button or thumb turn inside, and a clear “vacant/occupied” indicator on the outside.	
Ceiling.	h. Acoustic Ceiling Tiles/Ceiling Insulation above the ceiling grid for soundproofing ceiling.	
Window.	i. N/A.	
Wall/Wall Finish.	j. Porcelain Wall Tile 4 feet up from the floor, with tile accent strip. k. Paint all rooms/spaces with primer, two finish coats, and accent wall color; location determined in collaboration with VA.	
Floor.	l. Porcelain Floor Tile.	

Lighting.	m. Occupancy Sensor, 60-minute time delay.	
Electric.	n. One (1) GFI duplex outlet.	
Data.	o. N/A.	
Sound Isolation.	p. STC 45. q. Plumbing Noise Reduction suggestions include wrapping pipes in acoustic pipe insulation, Use quiet-flush commercial fixtures, Isolate pipes from framing using anti-vibration clamps. r. Ventilation Noise Control suggestions include inline fans located outside the restroom for a quieter solution, adding duct silencers or acoustic flex ducting. s. Wall soundproofing suggestions include as sound-absorbing insulation inside the wall cavity, install double-layer drywall with noise-reducing compound, staggered stud or double stud walls for maximum isolation.	
Safety.	t. ADA handicap accessibility to include grab bars at commode for one (1) Unisex/Family Restroom accessible from the lobby. u. Nurse call tone-visual system. The notification sounds in corridors with a visual call light above the room. v. Example. https://www.tektone.com/products/nurse-call-systems/tek-care120/	
Other.	w. Toilet. Commercial Grade with automatic toilet flushers. x. Toilet Paper Dispenser. Dual roll y. Toilet Paper Cover Dispenser. Provided, maintained, and refilled by the Lessor. z. Paper Towel Dispenser/Waste Receptacle. Recessed Convertible Paper Towel Dispenser/Waste Receptacle. aa. Soap Dispenser. Automated touchless dispenser provided, maintained, and refilled by the Lessor Vanity with sink and structure to hide exposed plumbing. bb. Mirror. Minimum of 24"x 36" over sink cc. Vanity.  dd. Coat Hooks. Three (3) coat hooks; location determined by the VA. ee. Baby changing station for one (1) Unisex/Family Restroom or for both the Women's and Men's Restroom accessible from the lobby. ff. Exhaust Vent. gg. Picture Examples.	

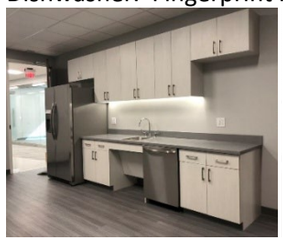
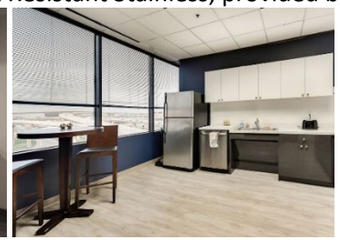
	    	
5. RECEPTION / PROGRAM SUPPORT ASSISTANT		
Door.	a. Solid Core Wood Doors with perimeter door seals and automatic door bottoms. b. Door stops to protect walls.	
Door Key Control Access.	c. Remote release for each clinical door (individually) from the Reception/PSA desk. d. Access controlled door with a wireless reader for entry or Electric pin door lever. Dormakaba - E-Plex 2000 Electronic Pushbutton Lock - Access & Data Systems 	
Ceiling.	e. Acoustic Ceiling Panel Tiles/Ceiling Insulation above the ceiling grid for soundproofing ceiling.	
Window.	f. Horizontal manual roller shades with solar glare and heat reduction on exterior windows. g. Locking sliding glass transaction window to the lobby area. (Length 96” – 144”, Center Opening 48”, Height 48”) with Solid Surface Quartz Countertop utilizing concealed mounting brackets.   	*Approximate size.*
Wall/Wall Finish.	h. Paint all rooms/spaces with primer, two finish coats, and accent wall color; location determined in collaboration with VA.	
Floor.	i. Luxury Vinyl Tile 5mm thickness + 20mil wear layer.	

Lighting.	j. Multilevel Switching, Dimming.	
Electric.	k. Two (2) quad electric outlets are located next to data. l. Two (2) duplex electric outlets at counter height at reception counter.	
Data.	m. Two (2) duplex data outlets are located next to quad electric (Program Support Assistant desk). n. Two (2) duplex data outlets at counter height (Reception Counter).	
Sound Isolation.	o. STC 45. p. Wall soundproofing suggestions include as sound-absorbing insulation inside the wall cavity, install double-layer drywall with noise-reducing compound, staggered stud or double stud walls for maximum isolation.	
Safety.	q. Duress Panic Alarm using a Wireless transmitter device. r. Video intercom system at the exterior entrance to allow VA staff to view and communicate with visitors, with remote door release capability from the Program Support Office/Reception. - Compact intercom Master Station (Qty 2) located in PSA/Reception and Vet Center Directors office. - Compact intercom Portable Device (Qty 2). - Example Brand Name Equal. https://www.2n.com/en-US/products/indoor-stations/2n-indoor-compact/ 	
Other.	s. Countertop. - Solid Surface Quartz Countertop utilizing concealed mounting brackets. - Total countertop depth 34 inches - Depth allocation accommodates approximately 24 inches on Program Support Assistant side and 10–12 inches on guest/client side. t. Reception area is contiguous with the Program Support Assistant, examples below. 	*Approximate size.*
6. OFFICE	**Quantity: Refer to the Exhibit – Space Requirements**	
Door.	a. Solid Core Wood Doors with perimeter door seals and automatic door bottoms. b. Door stops to protect walls.	

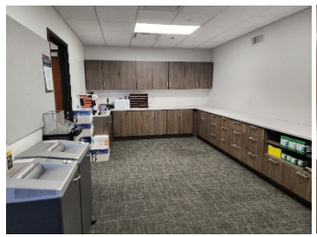
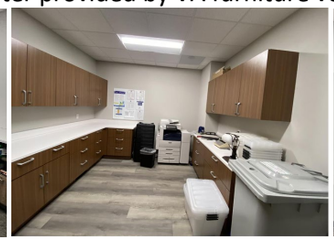
Door Key Control Access.	c. Access controlled door with a wireless reader for entry or Electric pin door lever. Dormakaba - E-Plex 2000 Electronic Pushbutton Lock - Access & Data Systems 	
Ceiling.	d. Acoustic Ceiling Panel Tiles/Ceiling Insulation above the ceiling grid for soundproofing ceiling.	
Window.	e. Window Coverings. Horizontal manual roller shades with solar glare and heat reduction.	
Wall Finish.	f. Paint all rooms/spaces with primer, two finish coats, and accent wall color; location determined in collaboration with VA.	
Floor.	g. Carpet Tile.	
Lighting.	h. Multilevel Switching, Dimming.	
Electric.	i. Two (2) quad electric outlets are located next to duplex data. j. Two (2) duplex electric outlets are located on the opposite walls. k. Typical office layout diagram with data and electric placement.    	
Data.	l. Two (2) duplex data outlets are located next to quad electric.	
Sound Isolation.	m. STC 45. n. Wall soundproofing suggestions include as sound-absorbing insulation inside the wall cavity, install double-layer drywall with noise-reducing compound, staggered stud or double stud walls for maximum isolation.	
Safety.	o. Duress Panic Alarm using a Wireless transmitter device.	

Other.	p. Coat Hooks. Three (3) coat hooks; location determined by the VA.	
7. GROUP THERAPY ROOM		
Door.	a. Solid Core Wood Doors with perimeter door seals and automatic door bottoms. b. Door stops to protect walls.	
Door Key Control Access.	hh. Privacy/Latch Lock with Occupancy Indicator. ii. Cylindrical or mortise locksets with a built-in turn-button or thumb turn inside, and a clear “vacant/occupied” indicator on the outside.	
Ceiling.	c. Acoustic Ceiling Panel Tiles/Ceiling Insulation above the ceiling grid for soundproofing ceiling.	
Window.	d. Window Coverings. Horizontal manual roller shades with solar glare and heat reduction.	
Wall/Wall Finish.	e. Paint all rooms/spaces with primer, two finish coats, and accent wall color; location determined in collaboration with VA. f. Wall backing and mounting materials for VA furnished TV installed by Lessor; location determined by VA.	
Floor.	g. Carpet Tile.   	
Lighting.	h. Multilevel Switching, Dimming.	
Electric.	i. Four (4) duplex electric outlets, one on each wall next to data outlets. j. One (1) quad electric outlet behind the TV (install 60” from the floor). k. Cable TV wall jack behind the TV (install 60” from the floor).	
Data.	l. Four (4) duplex data outlets data outlets; one on each wall next to electric outlets.	
Sound Isolation.	m. STC 45. n. Wall soundproofing suggestions include as sound-absorbing insulation inside the wall cavity, install double-layer drywall with noise-reducing compound, staggered stud or double stud walls for maximum isolation.	
Safety.	o. Duress Panic Alarm using a Hardwired transmitter device with protective clear cover.	

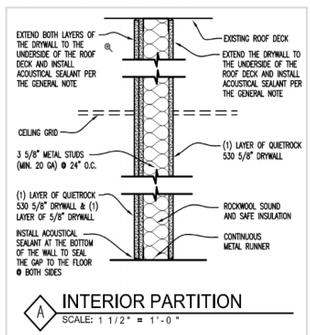
Other.	p. Coat Hooks: Three (3) coat hooks; location determined by the VA.	
8. KITCHEN BREAK ROOM		
Door.	a. Solid Core Wood Doors with perimeter door seals and automatic door bottoms. b. Door stops to protect walls.	
Door Key Control Access.	c. Access controlled door with a wireless reader for entry or Electric pin door lever. Dormakaba - E-Plex 2000 Electronic Pushbutton Lock - Access & Data Systems 	
Ceiling.	d. Acoustic Ceiling Panel Tiles/Ceiling Insulation above the ceiling grid for soundproofing ceiling.	
Window.	e. N/A.	
Wall/Wall Finish.	f. Paint all rooms/spaces with primer, two finish coats, and accent wall color; location determined in collaboration with VA.	
Floor.	g. Luxury Vinyl Tile 5mm thickness + 20mil wear layer.	
Lighting.	h. Occupancy Sensor, 60-minute time delay.	
Electric.	i. One (1) duplex GFI outlet for the refrigerator j. Two (2) duplex GFI outlets at counter height; bottom of the outlet 44” from floor; locations determined by VA. k. Three (3) duplex outlets, one on each wall, 18” from floor.	
Data.	l. N/A.	
Sound Isolation.	m. N/A.	
Safety.	n. Duress Panic Alarm using a Hardwired transmitter device.	
Other.	o. Cabinets. Upper and lower kitchen cabinets. p. Countertop. Minimum 10’ feet solid surface Quartz countertop. a. Sink. Double compartment stainless sink. Provided by Lessor. q. Garbage Disposal. Provided by Lessor.	*Approximate counter length.*

	b. Refrigerator. Refrigerator in Fingerprint Resistant Stainless, 25 cu. Ft. capacity minimum with ice maker, provided by Lessor. c. Microwave. Countertop Microwave in Fingerprint Resistant Stainless, 1.6 cu. Ft. capacity-1000 Watts minimum, provided by Lessor. d. Dishwasher. Fingerprint Resistant Stainless, provided by the Lessor.  	
9. HOUSEKEEPING		
Door.	a. Solid Core Wood Doors. b. Door stops to protect walls.	
Door Key Control Access.	c. Access controlled door with a wireless reader for entry or Electric pin door lever. Dormakaba - E-Plex 2000 Electronic Pushbutton Lock - Access & Data Systems 	
Ceiling.	d. Ceiling Panel Tiles	
Window.	e. N/A.	
Wall/Wall Finish.	f. Paint all rooms/spaces with primer, two finish coats, and accent wall color; location determined in collaboration with VA.	
Floor.	g. Sealed concrete floor.	
Lighting.	h. Occupancy Sensor, 60-minute time delay.	
Electric.	i. One (1) GFCI outlet.	
Data.	j. N/A.	
Sound Isolation.	k. N/A.	

Safety.	l. N/A.	
Other.	m. Shelving. Adjustable wire shelving on two walls. n. Mop Sink.	
10. SUPPLY ROOM		
Door.	a. Solid Core Wood Doors. b. Door stops to protect walls.	
Door Key Control Access.	c. Access controlled door with a wireless reader for entry or Electric pin door lever. Dormakaba - E-Plex 2000 Electronic Pushbutton Lock - Access & Data Systems 	
Ceiling.	d. Acoustic Ceiling Panel Tiles/Ceiling Insulation above the ceiling grid for soundproofing ceiling.	
Window.	e. N/A.	
Wall/Wall Finish.	f. Paint all rooms/spaces with primer, two finish coats, and accent wall color; location determined in collaboration with VA.	
Floor.	g. Luxury Vinyl Tile (LVT) 5mm thickness + 20mil wear layer.	
Lighting.	h. Occupancy Sensor, 60-minute time delay.	
Electric.	i. Two (2) quad outlets, next to data outlets. j. Two (2) duplex outlets at counter height; bottom of outlet 44” from the floor.	
Data.	k. Two (2) data outlets, next to quad electrical outlets.	
Sound Isolation.	l. N/A.	
Safety.	m. N/A.	

Other.	n. Lessor provided and installed independent network switch and IP address to support the Cable television, Business High Speed Internet Wi-Fi Router, and Security Alarm Control Panel; final location determined in collaboration with VA. o. Cabinet casework and counter provided by VA furniture vendor.     	
10. STORAGE ROOM		
Door.	a. Solid Core Wood Doors. b. Door stops to protect walls.	
Door Key Control Access.	c. Access controlled door with a wireless reader for entry or Electric pin door lever. Dormakaba - E-Plex 2000 Electronic Pushbutton Lock - Access & Data Systems 	
Ceiling.	d. Acoustic Ceiling Panel Tiles/Ceiling Insulation above the ceiling grid for soundproofing ceiling.	
Window.	e. No Windows.	
Wall/Wall Finish.	f. Paint all rooms/spaces with primer, two finish coats, and accent wall color; location determined in collaboration with VA.	
Floor.	g. Luxury Vinyl Tile (LVT) 5mm thickness + 20mil wear layer.	
Lighting.	h. Occupancy Sensor, 60-minute time delay.	
Electric.	i. Four (4) duplex outlets, one per wall next to data outlets.	
Data.	j. Two (2) data outlets; locations determined by VA.	
Sound Isolation.	k. N/A.	

Safety.	l. N/A.	
11. TELECOMMUNICATION		
Telecommunication Enclosure (TE).	a. TE located VA Employee Only Access Controlled Supply or Storage space with walls going floor to deck. b. Access controlled door with a wireless reader for entry or Electric pin door lever. Dormakaba - E-Plex 2000 Electronic Pushbutton Lock - Access & Data Systems c. Refer to SOW ASR-D Design Guide for Telecommunications Enclosure PG-18-12 Appendix G. 	
Telecommunication Data Outlets, Connected to VA Network	a. Standard Data Outlets: Each data outlet device location will have four (4) Work Area Outlet (WAO) Standard Density design cable runs that terminate on the high-density rack mounted patch panel in the Telecommunications Room. b. All permanent link cabling from the Telecommunications Room to the outlet require continuous runs with no splices and be less than 295'. c. Patch Panels, jacks, and cables require CAT 6A and shall be tested and certified; test results provided to VA COR. d. Provide flush/surface mounted single-gang outlet boxes with four-port base plates and applicable wall device faceplates. e. Lessor to provide and install all cable runs throughout the space and terminate in the Telecommunications Enclosure. f. VA naming/labeling conventions in section 5.1.5, *Information Transport Systems Equipment and Component Labeling*, Infrastructure Standard for Telecommunications Spaces. g. Attached labels at the patch panel and wall plate; easily visible and printed, hand-written labels are prohibited.	
12. FINISHES		
Color Board	a. Lessor to provide physical samples for VA final approval; VA will provide a digital Color Board. RCS CAM. INSTRUCTIONS. Color Board Finishes	

Contract Maintenance of Finishes	a. Paint, wall coverings. - Lessor shall perform cyclical repainting of space every 5 years of occupancy. All painted surfaces shall be repainted at the Lessor's expense, including the moving and returning of furnishings, as well as disassembly and reassembly of systems furniture per manufacturer's warranty. - Except where damage is caused by the Government, the Lessor shall repaint at any time during occupancy if the paint is peeling or permanently stained. Repainting shall be at Lessor's expense, including the moving and returning of furnishings and furniture. b. Flooring. - The Lessor shall replace all carpet and base coving in the space every 5 years, with a product which meets the requirements in the "Floor Coverings and Perimeters" paragraph in this Lease. All flooring repair or replacement shall be at Lessor's expense, including the moving and returning of furnishings, as well as disassembly and reassembly of systems furniture per manufacturer's warranty. - Except where damage is caused by the Government, the Lessor shall repair or replace flooring at any time during occupancy if the backing or underlayment is exposed, there are noticeable variations in surface color or texture, there are curls, upturned edges, or noticeable variations in texture, tiles are loose, tears or tripping hazards are present. Reflooring shall be at Lessor's expense, including the moving and returning of furnishings and furniture.	
13. SOUND ISOLATION		
Sound Transmission Class (STC)	a. STC 45 required for all Offices, Group Rooms, and Restrooms. b. Sound Acoustic Field Study conducted by Lessor to verify Vet Center specific acoustic requirements where achieved. c. Soundproofing <u>suggestions</u> include as sound-absorbing insulation inside the wall cavity and above the above the ceiling grid for soundproofing ceiling. d. Wall soundproofing <u>suggestions</u> include double-layer drywall with noise-reducing compound, staggered stud or double stud walls for maximum isolation. 	
14. SOUND MASKING SYSTEM		
	a. Provide and install a sound masking system designed to industry standards according to the space function, structure height above ceiling, wall type, and wall height (STC, structure, just above ceiling, etc.) for which each space is used. b. System uses a series of ceiling speakers in the lobby and hallway corridors to provide improved privacy for the clinical protected areas. c. System zones are utilized to control volume and frequency.	

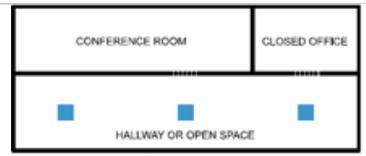


Figure 1: Typical sound masking application.

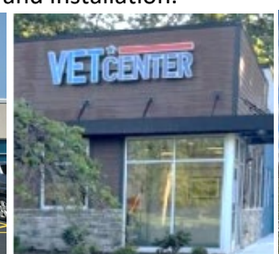
e. Example Brand Name Equal. Cambridge Qt X 300/300D control module is a compact three-zone networkable controller suitable for installations of up to 36,000 square feet (3,345 m^2). Each zone can be independently adjusted for masking with two auxiliary audio inputs to allow for distribution of audio from paging controllers and/or (background) music players; controls up to three zones of Qt standard or active Qt Emitters.

15. SIGNAGE

Interior Signage
Exterior Signage
Main Entry Door

a. Refer to Exhibit SOW ASR- RCS Interior Signage Guide for specifications and requirements associated with ADA compliant interior signage.
b. Refer to Exhibit SOW ASR- RCS Exterior Signage Guide for specifications and requirements associated with the exterior signage.
c. Exterior Signage preferred option is luminated dusk to dawn, on the building, above the entrance, and legible from main serving road.
d. VA approval required prior to fabrication and installation.













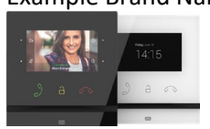




16. SECURITY

Facility Security Level (FSL) II.

a. Refer to Facility Security Level (FSL) requirements exhibit included in the lease for all shell and tenant improvements requirements.
b. Lessor to design, provide equipment, install, maintain, and complete software updates.
c. No public access to the offices will be allowed.
d. Security System Monitoring and Maintenance provided by the Lessor and paid through the annual rent.
e. Security system tested quarterly by the Lessor; a copy of the report sent to VA.

VIDEO SURVEILLANCE SYSTEM (VSS).	f. Lessor to design, provide equipment, install, complete software updates and provide preventive maintenance for all security systems. g. Provide independent network switch and IP address to support the system; location determined in collaboration with VA. h. Single cabinet, stand-alone browser-based system. i. System reports to a master station with monitor; location determined in coordination with the VA. j. System supports the entry control system, 30-day time-lapse video recording. k. System testing is required prior to occupancy. l. Cameras (exterior) installed to provide unobstructed coverage of pedestrian entrances and exits. m. Cameras (interior) installed in the waiting/lobby, the main corridors, and telecommunications room entrance.	
ACCESS CONTROL.	b. Access controlled door that uses a wireless, contactless reader for entry. c. Video intercom system to allow VA staff to view and communicate with visitors, with remote door release capability. - Compact intercom - Exterior Entrance (Qty 1) - Compact intercom - Master Station (Qty 1) - Compact intercom - Portable Device. (Qty 2) - Example Brand Name Equal. https://www.2n.com/en-US/products/indoor-stations/2n-indoor-compact/ 	
INTRUSION DETECTION SYSTEM (IDS).	n. Locally sounding audible alarm activates throughout space upon illegal/unauthorized entry. Notifies local authorities and security monitoring company. o. Remote visual and audio annunciators located within the facility which ensures 24-hour monitoring. p. Alarm system keypad to arm/disarm IDS at interior employee entrance/exit; location determined in collaboration with VA. q. Alarm sensors on all exterior doors and windows, and telecommunication room door. r. Motion sensors cover the lobby, main corridors, and telecommunication room. s. Employee access code updates coordinated with Lessor as required for the duration of lease term.	
DURESS ALARM.	t. Lessor to design, provide equipment, install, maintain, and complete software updates for the Duress Alarm system. System may interface with the Intrusion Detection System. u. Each transmitting device is individually zoned; Group Rooms (Hardwired), Reception Desk (Hardwired) and each Office (Wireless). v. System reports to master station located in PSA/Reception and Vet Center Director office. w. When activated, the system sounds a notification throughout the space, alerts the Master station, and notifies the alarm company. The alarm company then contacts the Vet Center to determine the appropriate course of action; this process does not notify local authorities.	
NURSE CALL.	x. Nurse call tone-visual system for bathrooms. The notification sounds in corridors and at master station y. Dome visual call light above the room. z. Pull-cord stations.	

VET CENTER EST. 1979

Vet Center External Signage Guide

AUGUST 2025

Purpose

The U.S. Department of Veterans Affairs (VA) Veterans Health Administration (VHA) Readjustment Counseling Service (RCS) created this ***Vet Center Exterior Signage Guide*** to provide guidance on all exterior signage related to the Vet Center brand. This guide shall serve as the official directive and final authority for all Vet Center signage standards until a revised version is issued and released.

All exterior sign applications must comply with these standards without exception. Alteration of Vet Center logo colors or design is prohibited unless otherwise stated in the following documentation. All signs must be in accordance with the local code and landlord specifications.

NOTE: VA will approve all signage design schematics prior to fabrication and installation.

Variation shall not exist outside these design specifications without prior authorization. Sign vendor or lessor shall contact the Contracting Officers Representative (COR) for review and approval of any modifications through VA's Readjustment Counseling Service Communications Office.

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GENERAL REQUIREMENTS

1. Install time and design/specifications must be included in bid quote but be listed as separate line items.

2. This service order and installation shall be coordinated with Contracting Officers Representative (COR).

3. The installation shall occur and be completed Monday-Friday between the hours of 8:00 AM-4:30 PM.

4. Deliveries must be scheduled through the COR before installation.

5. Confirmation from vendor shall be sent via email to COR who will inspect that all products are installed 100%. Upon completion of inspection, the COR will email the Contracting Officer authorizing that products have been received complete and that payment can be released.

6. Any damage to the Vet Center facility incurred through the installation process must be repaired within 30 days at the vendor's expense.

EXTERIOR SIGNAGE REVIEW

- Lessor shall provide samples for the VA to review and approve prior to fabrication.
- Lessor shall provide Vet Center logo Exterior Signage on the Building Exterior as well as Door Decal signage.
- Lessor shall provide Vet Center logo Exterior Signage on Marquee.
- Lessor shall provide Vet Center logo Exterior Signage, Monument sign.
- Lessor shall develop, provide, deliver, stage/move, and install the new exterior sign.
- Lessor shall provide all the equipment, cabling, labor, materials, and sign.
- Signage shall be legible from main serving road.
- Signage shall comply with local municipality's codes and specifications.

SIZE: Maximum size in accordance with local building code.

PREFERRED EXTERIOR SIGNAGE APPLICATION: CHANNEL LETTERS ON A RACEWAY

Every effort shall be made to construct channel letters on a raceway, as this is the preferred application. In all cases where the channel letters on raceway sign is constructed for a building exterior, the exterior sign should be raceway mounted, with the raceway color matching the face of the building. The power connectors for the logo's star and red stripe shall be remote mounted with external power links.

LIGHTING: In the case where illuminated signage is not permitted by ordinance, ½" thick stud-mounted acrylic letters shall be used.

Channel Letters on a Raceway Signs







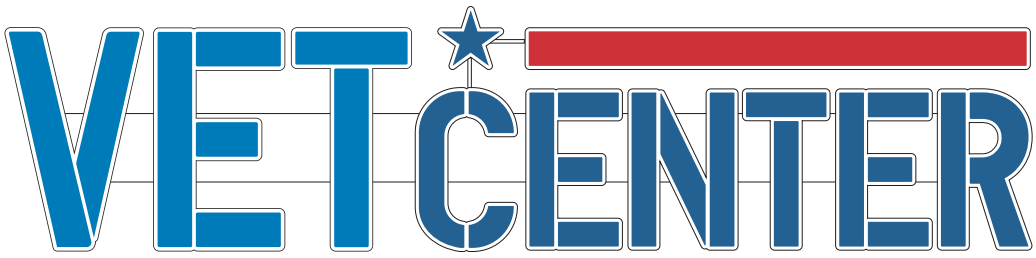




CHANNEL LETTERS ON A RACEWAY

COLOR SPECIFICATIONS FOR CHANNEL LETTERS ON A RACEWAY SIGN

NOTE: The black outline is for visual reference only - trim cap is to be white. Pigmented vinyl or printed translucent vinyl application shall be used. If using printed translucent vinyl applications, the vinyl should be printed with an image-white-image process to ensure color consistency and density when the sign is illuminated. The image should be printed in color, overprinted in white, and overprinted again in color to avoid appearance of color washout when illuminated.



LIGHT BLUE- PANTONE 7461C
CMYK: 96 42 6 0

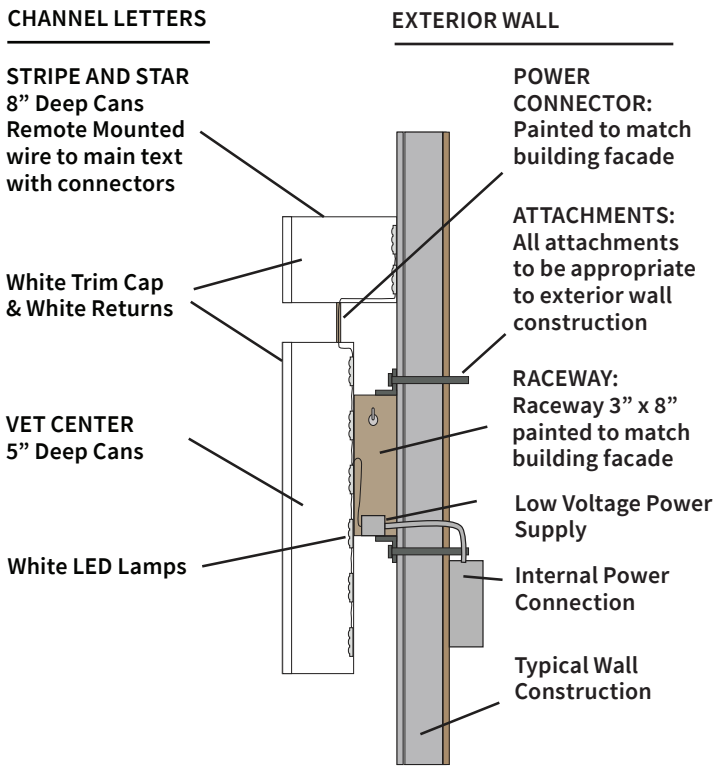
DARK BLUE- PANTONE 647C
CMYK: 91 63 20 4

RED- PANTONE 1797C
CMYK: 13 94 83 3

BUILD SPECIFICATIONS FOR CHANNEL LETTERS ON A RACEWAY SIGN



CHANNEL LETTER FACES:
Channel letter faces should have a minimum 3/8th of an inch white reveal around the colored overlays.



MATERIAL SPECIFICATONS FOR CHANNEL LETTERS ON A RACEWAY SIGN

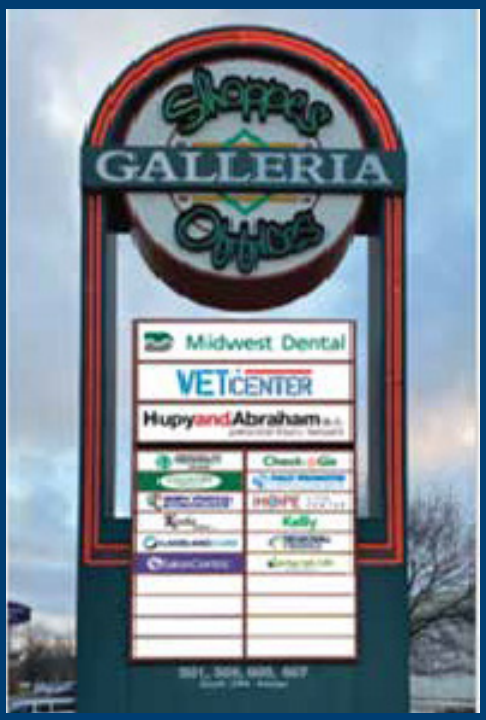
Colors are to be pigmented Translucent Vinyl over White Acrylic Faces with a minimum of 3/8th of an inch white reveal around each colored area. Trim cap and returns shall be white. White LED Illumination. Raceway mounted channel letters with raceway to match building. Each letter should be one piece, with vinyl and white space used to simulate the stencil effect.

SECONDARY EXTERIOR SIGNAGE APPLICATION: LIGHTBOX AND MULTI-TENANT DESIGN

In the case where the preferred application of the channel letters on a raceway sign is not possible, the secondary application choice is a lightbox and multi-tenant design. Where a lightbox sign is the only choice available, the logo design shall appear as shown in the color specifications for lightbox and multi-tenant design.

LIGHTING: Determined by existing signage.

Lightbox and Multi-Tenant Design Signs





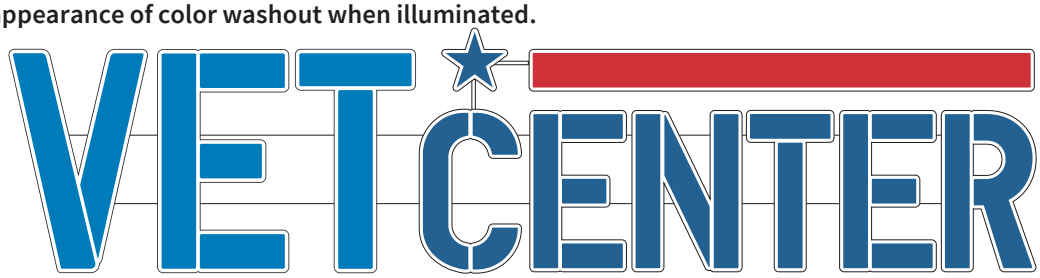




LIGHTBOX AND MULTI-TENANT SIGN

COLOR SPECIFICATIONS FOR LIGHTBOX AND MULTI-TENANT SIGN

NOTE: The black outline is for visual reference only - trim cap is to be white. Pigmented vinyl or printed translucent vinyl application shall be used. If using printed translucent vinyl applications, the vinyl should be printed with an image-white-image process to ensure color consistency and density when the sign is illuminated. The image should be printed in color, overprinted in white, and overprinted again in color to avoid appearance of color washout when illuminated.



LIGHT BLUE- PANTONE 7461C
CMYK: 96 42 6 0

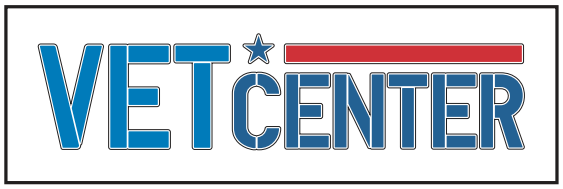
DARK BLUE- PANTONE 647C
CMYK: 91 63 20 4

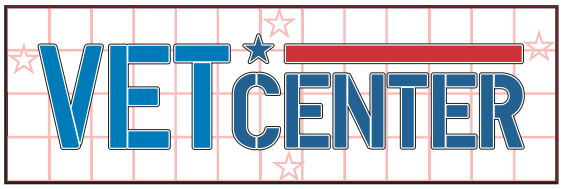
RED- PANTONE 1797C
CMYK: 13 94 83 3

BUILD SPECIFICATIONS FOR LIGHTBOX AND MULTI-TENANT SIGN

PREFERRED DESIGN - NEW SIGNS

Due to the restrictive nature of sign codes and available space, accomodations have been made to allow a slightly smaller clear space but not to exceed the height or width of the star at scale.





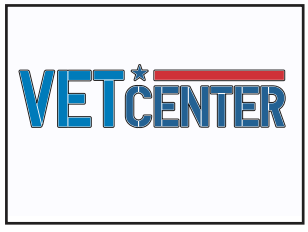
Clear space around logo cannot exceed the height or width of the star at scale within the lightbox space.

ALLOWABLE EXCEPTIONS: Maximizing Available Space

In the case where the logo design cannot expand symmetrically to the size of the lightbox, exceptions are allowed to maximize the logo design in either the height or the width of the lightbox space.



Logo maximized to fit allowable lightbox height.



Logo maximized to fit allowable lightbox width.

MATERIAL SPECIFICATONS FOR LIGHTBOX AND MULTI-TENANT SIGN

Pigmented vinyl or printed translucent vinyl application shall be used. If printing the image is required, the colors must match the specifications shown. Sign shall match existing site signage. New polycarbonate or acrylic panels shall be used.

SECONDARY EXTERIOR SIGNAGE APPLICATION: SINGLE TENANT MONUMENT AND PYLON SIGNS

In the case where the preferred application of the channel letters on a raceway sign is not possible, another secondary application choice is a single tenant monument or pylon sign design. The logo design shall appear as shown in the color specifications. If the sign face is wide and short, the vendor shall maximize the size of the logo leaving an appropriate amount of white space around the logo as indicated in the build specifications guidance.

LIGHTING: Determined by existing signage.

Single Tenant Monument and Pylon Signs



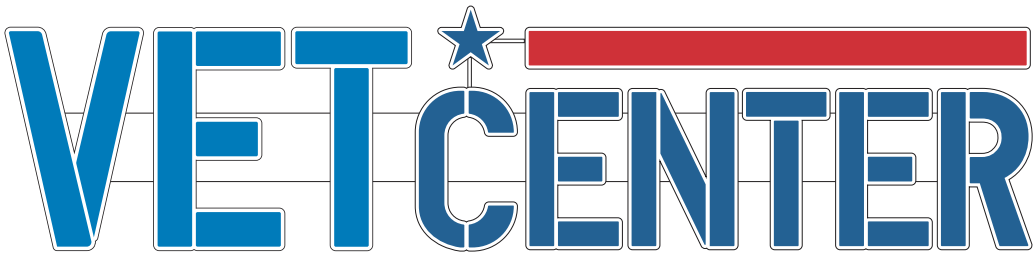




SINGLE TENANT MONUMENT AND PYLON SIGN

COLOR SPECIFICATIONS FOR SINGLE TENANT MONUMENT AND PYLON SIGN

NOTE: The black outline is for visual reference only - trim cap is to be white. Pigmented vinyl or printed translucent vinyl application shall be used. If using printed translucent vinyl applications, the vinyl should be printed with an image-white-image process to ensure color consistency and density when the sign is illuminated. The image should be printed in color, overprinted in white, and overprinted again in color to avoid appearance of color washout when illuminated.



LIGHT BLUE- PANTONE 7461C
CMYK: 96 42 6 0

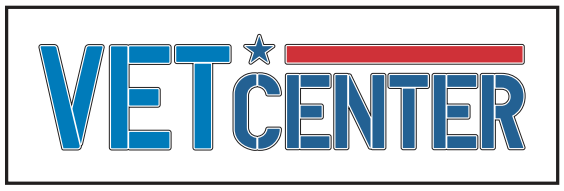
DARK BLUE- PANTONE 647C
CMYK: 91 63 20 4

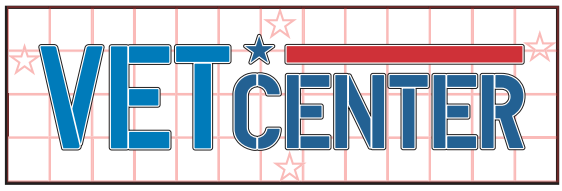
RED- PANTONE 1797C
CMYK: 13 94 83 3

BUILD SPECIFICATIONS FOR SINGLE TENANT MONUMENT AND PYLON SIGN

PREFERRED DESIGN - NEW SIGNS

Due to the restrictive nature of sign codes and available space, accomodations have been made to allow a slightly smaller clear space but not to exceed the height or width of the star at scale.





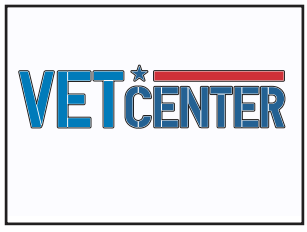
Clear space around logo cannot exceed the height or width of the star at scale within the lightbox space.

ALLOWABLE EXCEPTIONS: Maximizing Available Space

In the case where the logo design cannot expand symmetrically to the size of the lightbox, exceptions are allowed to maximize the logo design in either the height or the width of the lightbox space.



Logo maximized to fit allowable lightbox height.



Logo maximized to fit allowable lightbox width.

MATERIALS FOR SINGLE TENANT MONUMENT AND PYLON SIGN

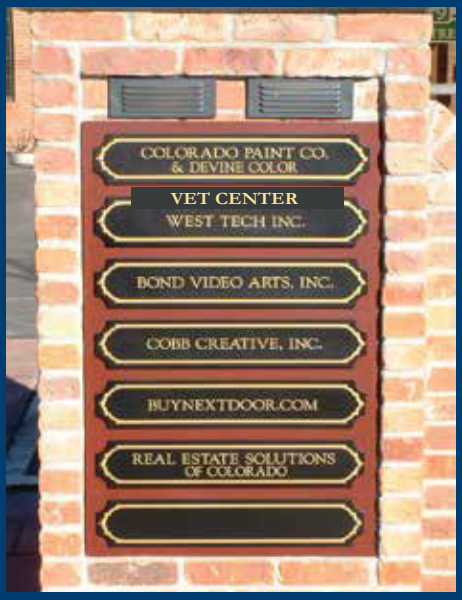
Pigmented vinyl or printed translucent vinyl application shall be used. If printing the image is required, the colors must match the specifications shown. Sign shall match existing site signage. New polycarbonate or acrylic panels shall be used.

SECONDARY EXTERIOR SIGNAGE APPLICATION: RESTRICTIVE TENANT PANEL SIGNS

In the case where the preferred application of the channel letters on a raceway sign is not possible, a secondary application choice is a restrictive tenant panel sign. When there is nothing but a solid, non-illuminated panel to use (common in office complexes, with multi-tenant panels) the words “Vet Center” shall be used in the appropriate color and font for that sign. Wherever possible, the logo shall be shown. When the logo cannot be used, the words “Vet Center” shall be used.

LIGHTING: Determined by existing signage.

Restrictive Tenant Panel Signs





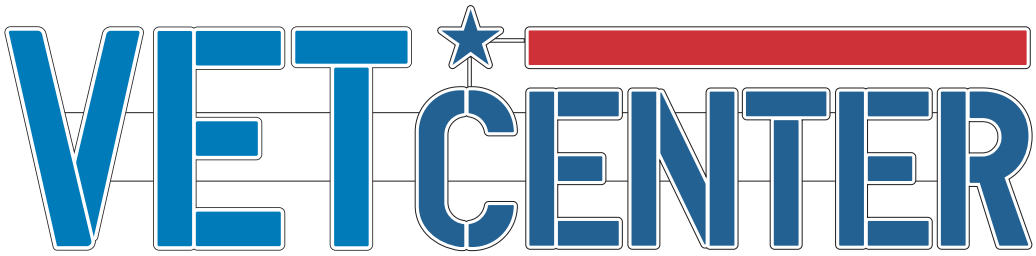




RESTRICTIVE TENANT PANEL SIGN

COLOR SPECIFICATIONS FOR RESTRICTIVE TENANT PANEL SIGN

NOTE: The black outline is for visual reference only - trim cap is to be white. Pigmented vinyl or printed translucent vinyl application shall be used. If using printed translucent vinyl applications, the vinyl should be printed with an image-white-image process to ensure color consistency and density when the sign is illuminated. The image should be printed in color, overprinted in white, and overprinted again in color to avoid appearance of color washout when illuminated.



LIGHT BLUE- PANTONE 7461C
CMYK: 96 42 6 0

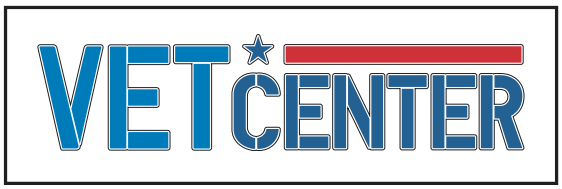
DARK BLUE- PANTONE 647C
CMYK: 91 63 20 4

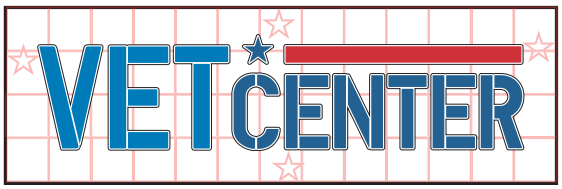
RED- PANTONE 1797C
CMYK: 13 94 83 3

BUILD SPECIFICATIONS FOR RESTRICTIVE TENANT PANEL SIGN

PREFERRED DESIGN - NEW SIGNS

Due to the restrictive nature of sign codes and available space, accomodations have been made to allow a slightly smaller clear space but not to exceed the height or width of the star at scale. **When possible, follow the guidelines for logo spacing within the restricitve tenant panel.**





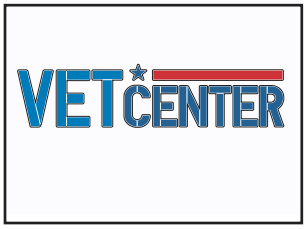
Clear space around logo cannot exceed the height or width of the star at scale within the lightbox space.

ALLOWABLE EXCEPTIONS: Maximizing Available Space

In the case where the logo design cannot expand symmetrically to the size of the lightbox, exceptions are allowed to maximize the logo design in either the height or the width of the lightbox space.



Logo maximized to fit allowable lightbox height.



Logo maximized to fit allowable lightbox width.

MATERIAL SPECIFICATIONS FOR RESTRICTIVE TENANT PANEL SIGN

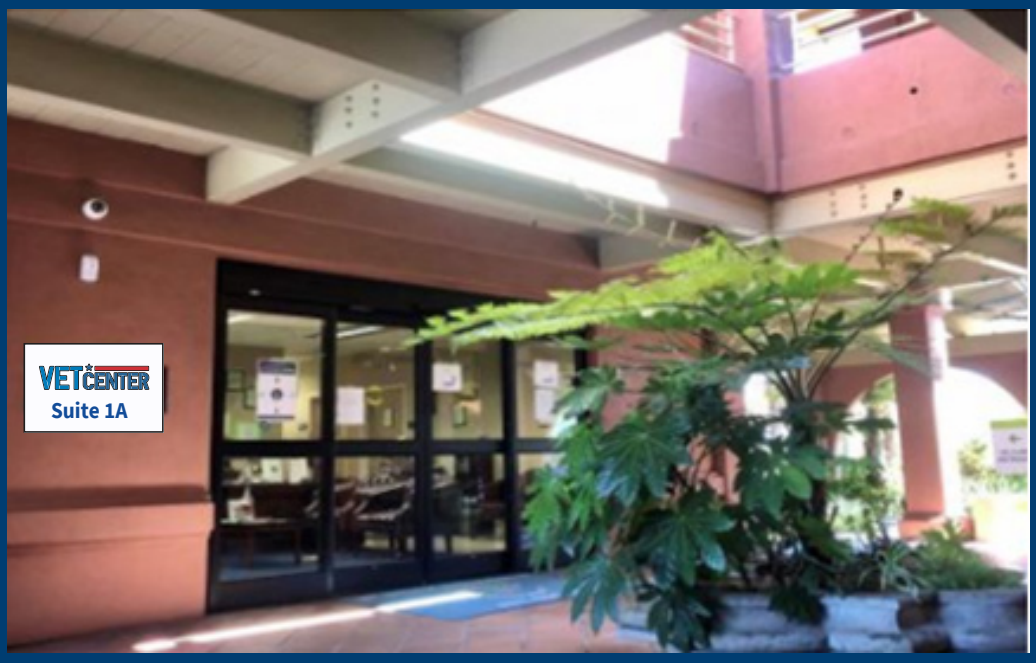
The materials should match the existing signage, and can range from cut vinyl lettering to routed/engraved tenant panels.

SECONDARY EXTERIOR SIGNAGE APPLICATION: EXTERIOR POSTED PANEL SIGN

Where there is no ability to place a channel lettering on raceway sign, monument sign, or pylon sign, thus restricting you to a sign by the entrance door, an exterior posted panel sign shall be used. If space is not available by the entrance door, a non-illuminated post and panel sign shall be constructed outside of the building, near the main entrance. All exterior Vet Center signage within a facililty, i.e. medical building, must comply with regulations set forth by the Americans with Disabilities Act (ADA) and include braille, as required.

LIGHTING: Determined by signage placement.

Exterior Posted Panel Sign - Entrance Door or Nearby

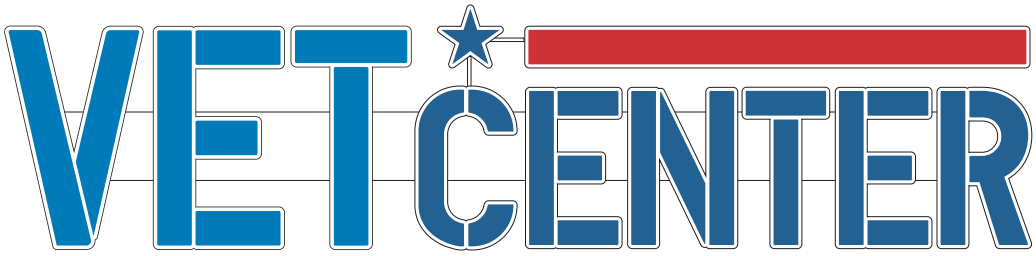


Entrance Panel Sign

EXTERIOR POSTED PANEL SIGN - ENTRANCE DOOR OR NEARBY

COLOR SPECIFICATIONS FOR ENTRANCE PANEL SIGN

NOTE: The black outline is for visual reference only - trim cap is to be white. Pigmented vinyl or printed translucent vinyl application shall be used. If using printed translucent vinyl applications, the vinyl should be printed with an image-white-image process to ensure color consistency and density when the sign is illuminated. The image should be printed in color, overprinted in white, and overprinted again in color to avoid appearance of color washout when illuminated.



LIGHT BLUE- PANTONE 7461C
CMYK: 96 42 6 0

DARK BLUE- PANTONE 647C
CMYK: 91 63 20 4

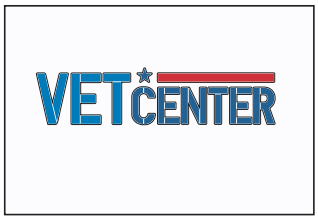
RED- PANTONE 1797C
CMYK: 13 94 83 3

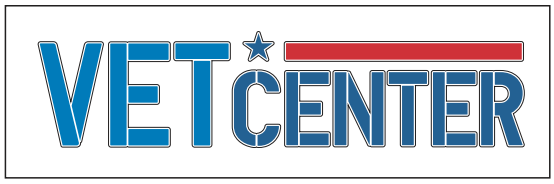
BUILD SPECIFICATIONS FOR ENTRANCE PANEL SIGN

ACCEPTABLE SIGN DESIGN

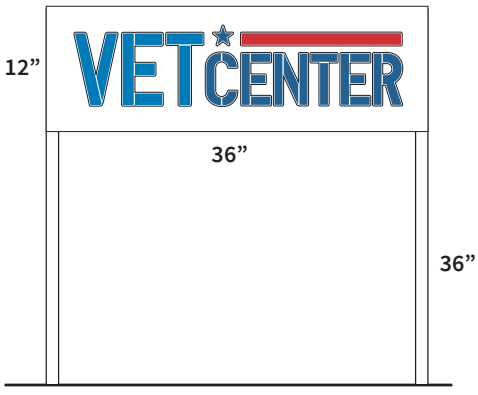


12”w x 8” h





19” w x 6” h



A 2” d x 12” h x 36” w aluminum post and panel with internal 2” square posts is required. The sign base shall be no less than 24” above grade. (This is not to be confused with a directional sign.)

MATERIAL SPECIFICATIONS FOR ENTRANCE PANEL SIGN

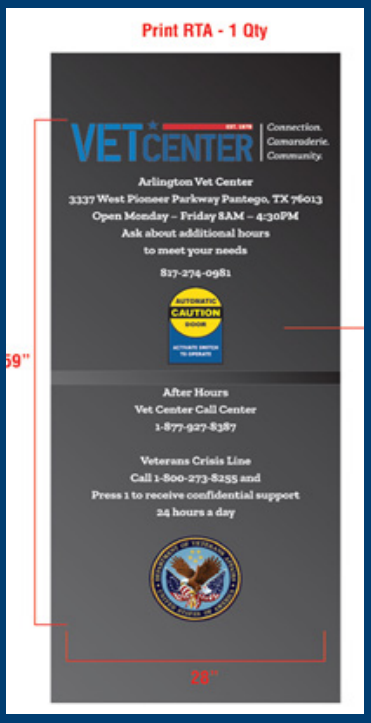
Pigmented vinyl or printed translucent vinyl application shall be used. If printing the image is required, the colors must match the specifications shown. Sign shall match existing site signage. New polycarbonate or acrylic panels shall be used.

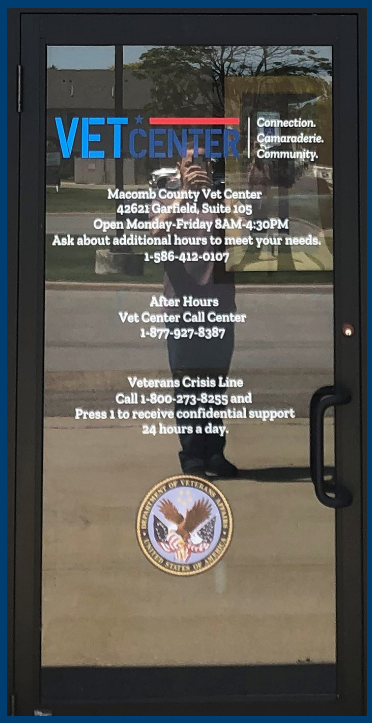
DOOR DECAL SIGNAGE

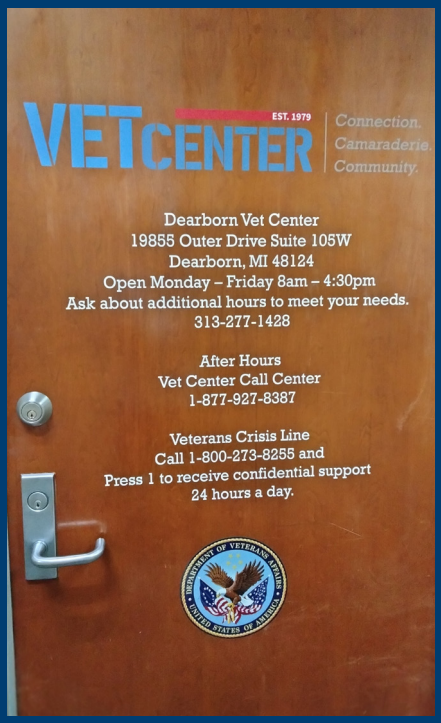
The Lessor shall provide signage on the main entrance door. The door decal shall be printed on a clear background. A white poster-like background for the door decal display is unacceptable. The Vet Center Call Center number shall be shown as the numeric 1-877-927-8387 only. Avoid use of the "WAR-VETS" phonewords. A full-color Vet Center logo shall be used with an accompanying "Connection. Camaraderie. Community." slogan in white. Alterations to this brand shall not be made. If other building notices are needed, such as an automatic door symbol, spacing accommodations can be made. For the Veterans Crisis Line, refer to the build specifications and use "Dial 988" instead of "Call 1-800-273-8255."

Accompanying font: Zilla Slab preferred; Rockwell is an approved alternative.

Door Decal Signage

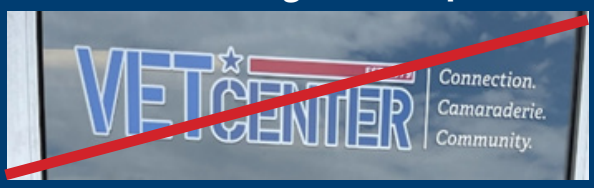






NOTE: (Above left) Spacing accomodations for automatic door symbol may be made. (Below) The door decal shall be printed on a clear background. A white poster-like background or a white stroke around the lettering is unacceptable.





DOOR DECAL SIGNAGE

COLOR SPECIFICATIONS FOR DOOR DECAL SIGNAGE

NOTE: The black background is for visual reference only. An additional white stroke around the letters of the Vet Center slogan logo should not be added for the purposes of the door decal. This differs from other designs used for prominent exterior signage.



LIGHT BLUE- PANTONE 7461C
CMYK: 96 42 6 0

DARK BLUE- PANTONE 647C
CMYK: 91 63 20 4

RED- PANTONE 1797C
CMYK: 13 94 83 3

BUILD SPECIFICATIONS FOR DOOR DECAL SIGNAGE

VET CENTER EST. 1979 | Connection. Camaraderie. Community.

Hilo Vet Center
70 Lanihuli Street, Suite 102, Hilo, HI 96720
Open Monday - Friday 8:00 A.M. - 4:30 P.M.
Ask about additional hours to meet your needs
808-969-3833
www.va.gov/Hilo-Vet-Center

After Hours
Vet Center Call Center
1-877-927-8387

Veterans Crisis Line
Dial 988 and Press 1 to recieve
confidential support 24 hours a day.

[Vet Center Slogan Logo]

[Vet Center or Vet Center Outstation Name]
Greatest Vet Center Outstation
[Vet Center Address] 123 Lane, Greatest City, VA 12345
[Core Hours] Open Monday-Friday 8:00 A.M. - 4:30 P.M.
Ask about additional hours to meet your needs
[Vet Center Office Phone Number] (012) 345-6789
[Vet Center website] www.va.gov/Hilo-Vet-Center

After Hours
Vet Center Call Center
1-877-927-8387

Veterans Crisis Line
Dial 988 and Press 1 to receive
confidential support 24 hours a day.

[VA Seal]

MATERIAL SPECIFICATIONS FOR DOOR DECAL SIGNAGE

Digitally printed on clear vinyl application shall be used. The colors must match the color specifications of the logos.

VET CENTER
EST. 1979

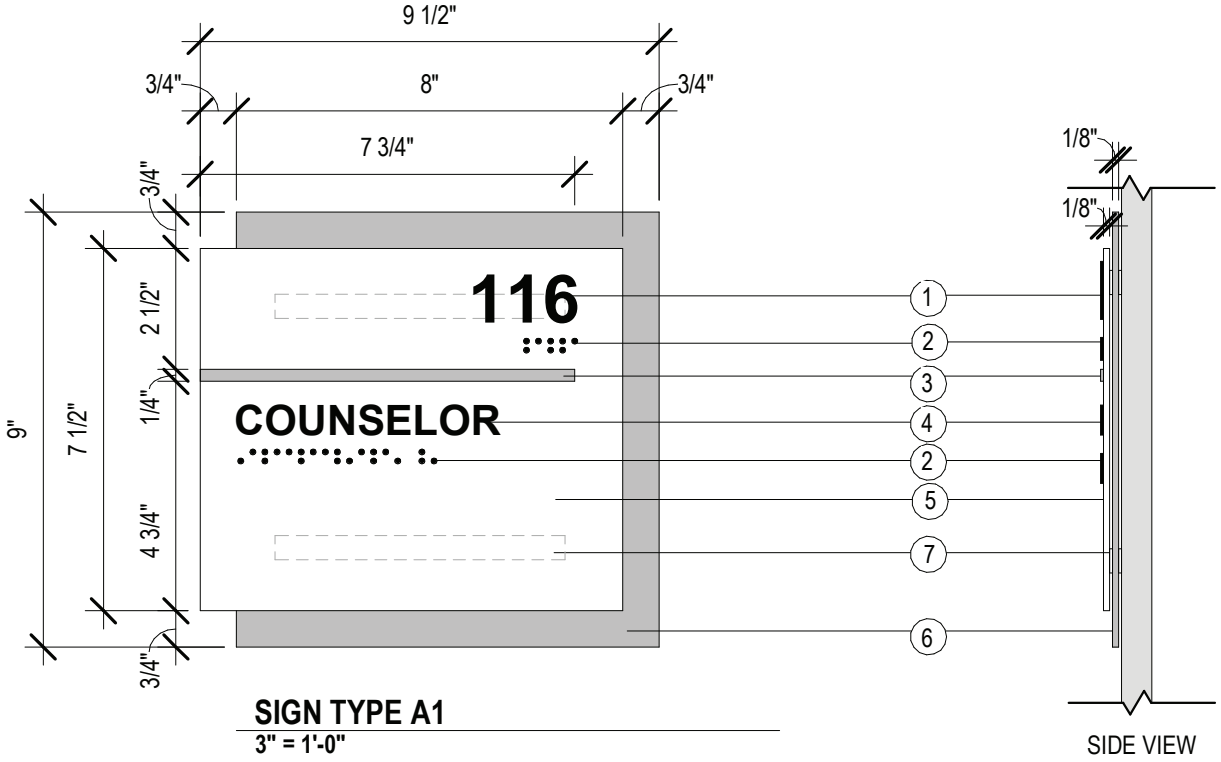
VA | U.S. Department of Veterans Affairs

VET CENTER
EST. 1979

Vet Center Internal Signage Guide

AUGUST 2026

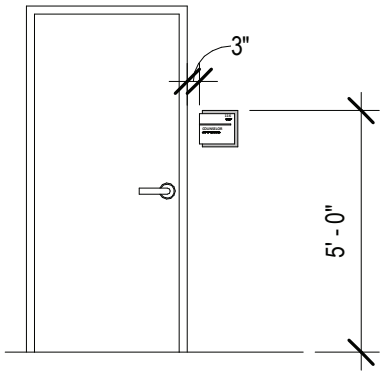
VA Signage Design Manual
Section 2.3 Mandatory VA Policy & Directive Signage Guidelines
https://www.cfm.va.gov/til/dManual/dmSignage.pdf



SIGN TYPE A1
3" = 1'-0"

SIDE VIEW



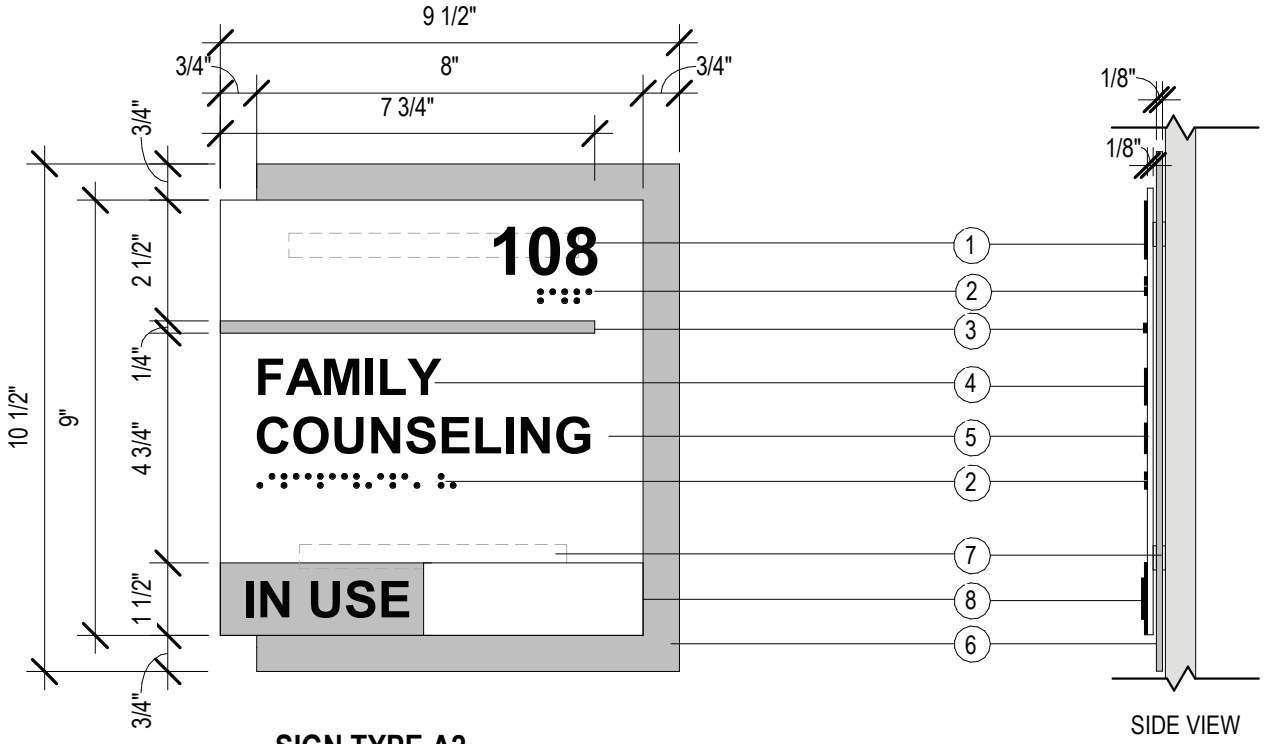


INSTALLATION DETAIL - TYPE A1
1/4" = 1'-0"

1. TYPE: 1/16" RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 1" HELVETICA
2. TYPE: GRADE 2 RAISED BRAILE
   COLOR: BLACK
3. TYPE: 1/16" BRUSHED METAL FACE ACCENT BAR, SET INTO CLEAR PANEL
   COLOR: BRUSHED NICKEL
4. TYPE: 1/16" RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 5/8" HELVETICA
5. TYPE: 1/8" ACRYLIC PANEL
   COLOR: FROSTED W/ WHITE BACK, 50% TRANSPARENT
6. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
7. DOUBLE SIDED FOAM TAPE BETWEEN PANELS AND TO WALL INSTALLATION

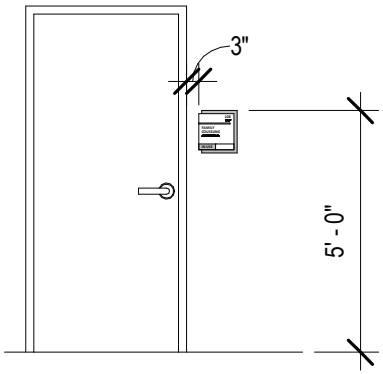
Sheet Title:
SIGNAGE TYPE A1

Sheet No.:
VC - 01.01



SIGN TYPE A2
3" = 1'-0"





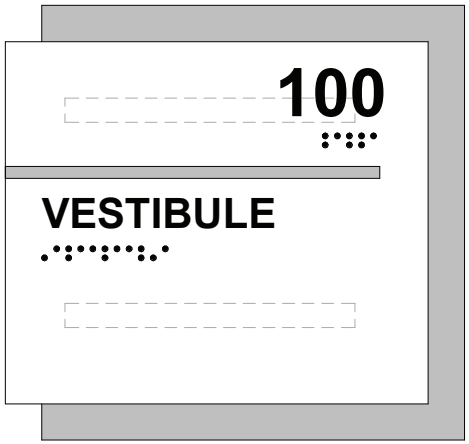
INSTALLATION DETAIL - TYPE A2
1/4" = 1'-0"

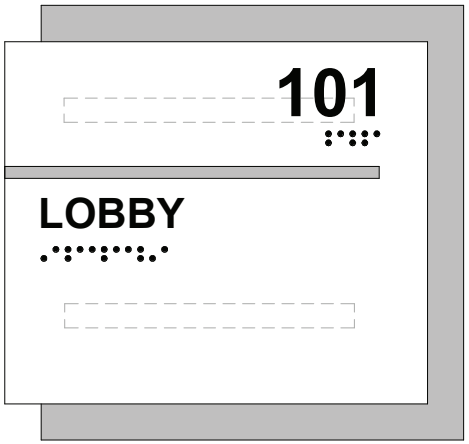
VETCENTER EST. 1979

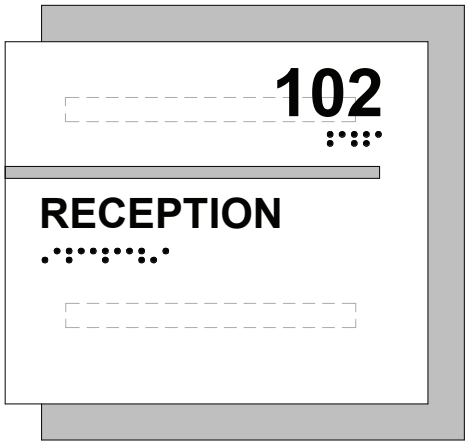
1. TYPE: 1/16" RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 1" HELVETICA
2. TYPE: GRADE 2 RAISED BRAILE
   COLOR: BLACK
3. TYPE: 1/16" BRUSHED METAL FACE ACCENT BAR, SET INTO CLEAR PANEL
   COLOR: BRUSHED NICKEL
4. TYPE: 1/16" RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 5/8" HELVETICA
5. TYPE: 1/8" ACRYLIC PANEL
   COLOR: FROSTED W/ WHITE BACK, 50% TRANSPARENT
6. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
7. DOUBLE SIDED FOAM TAPE BETWEEN PANELS AND TO WALL INSTALLATION
8. TYPE: LETERS SET INTO 1/8" ACRYLIC SLIDE PANEL
   COLOR: BLACK TEXT / BRUSHED NICKEL PANEL
   TEXT: 5/8" HELVETICA

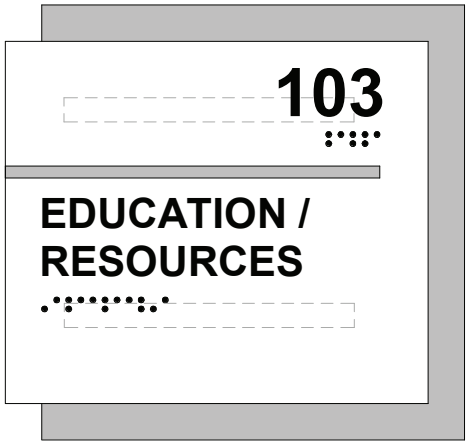
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SIGNAGE TYPE A2

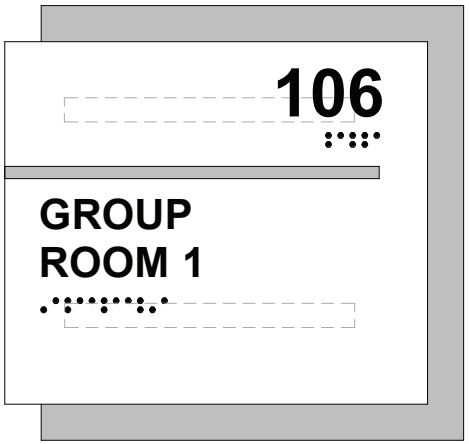
Sheet No.:
VC - 01.02

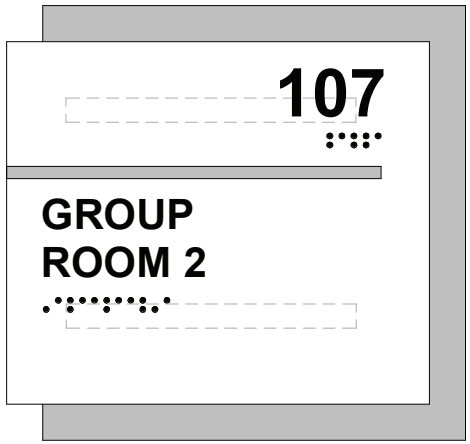


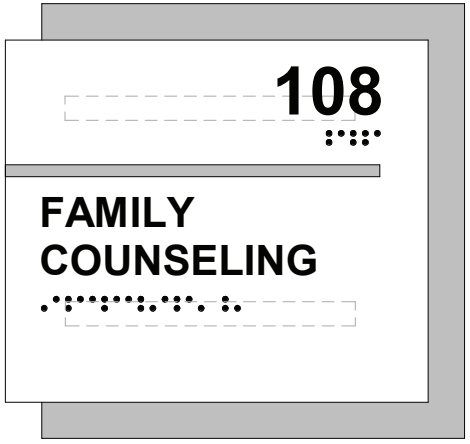


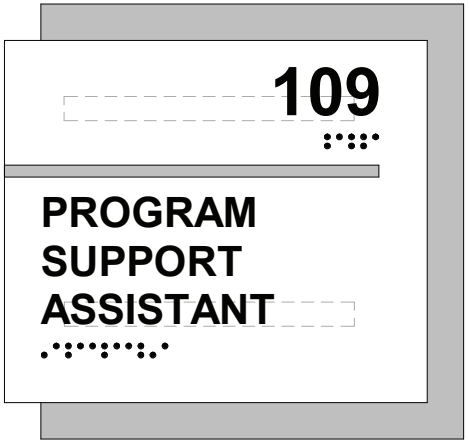


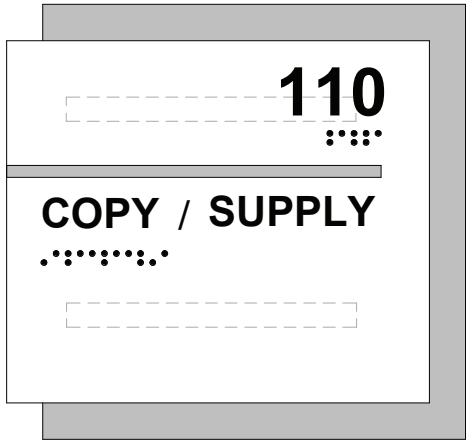












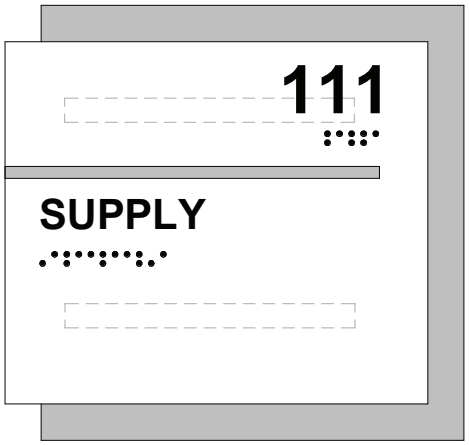
VETCENTER EST. 1979

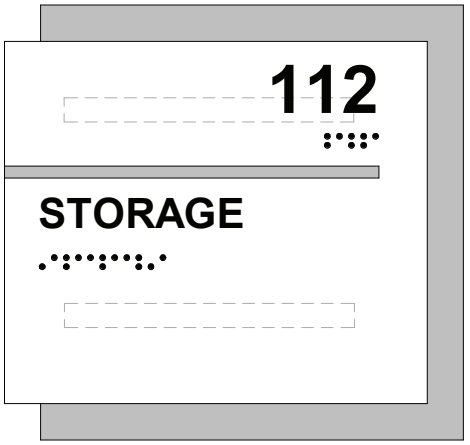
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   COLOR: BLACK
   TEXT: 1” HELVETICA
2. TYPE: GRADE 2 RAISED BRAILE
   COLOR: BLACK
3. TYPE: 1/16” BRUSHED METAL FACE ACCENT BAR, SET INTO CLEAR PANEL
   COLOR: BRUSHED NICKEL
4. TYPE: 1/16” RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 5/8” HELVETICA
5. TYPE: 1/8” ACRYLIC PANEL
   COLOR: FROSTED W/ WHITE BACK, 50% TRANSPARENT
6. TYPE: 1/8” ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
7. DOUBLE SIDED FOAM TAPE BETWEEN PANELS AND TO WALL INSTALLATION

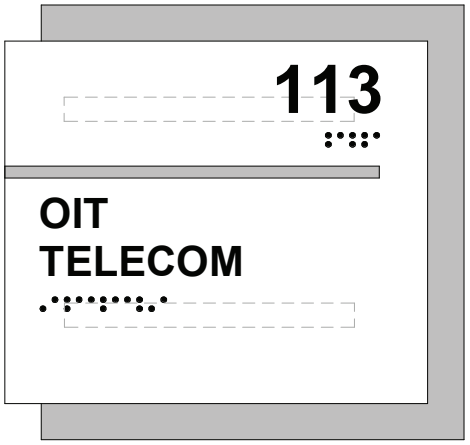
LESSOR SHALL VERIFY ALL SIGN TYPES AND LOCATIONS WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

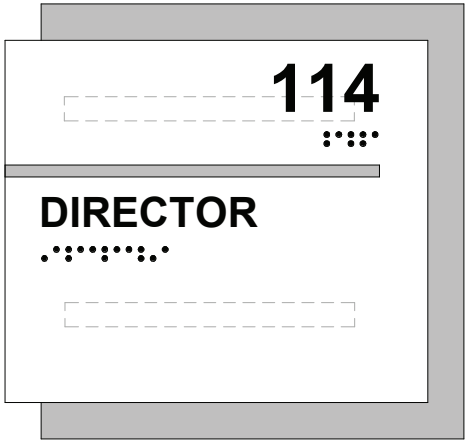
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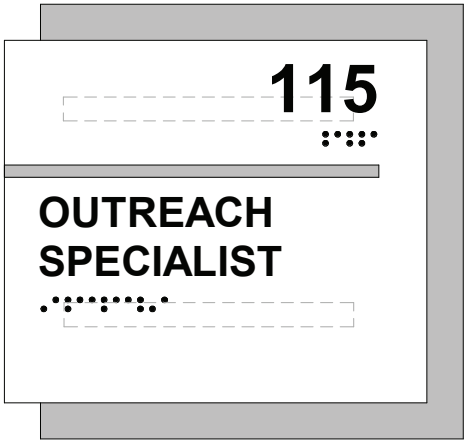
Sheet No.:
VC - 01.03

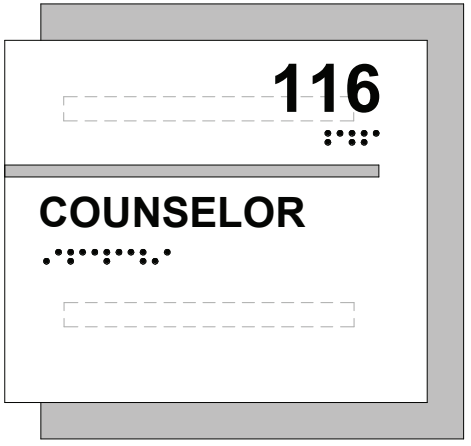


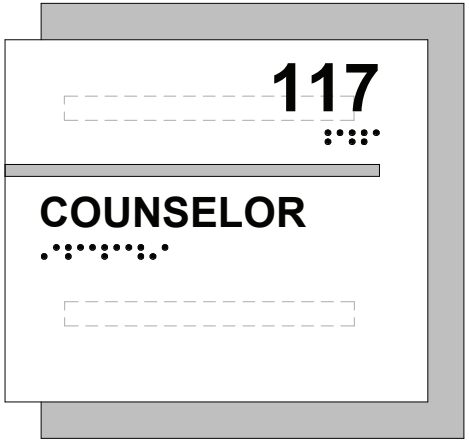


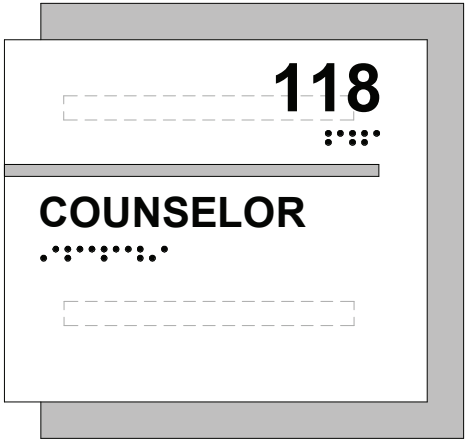


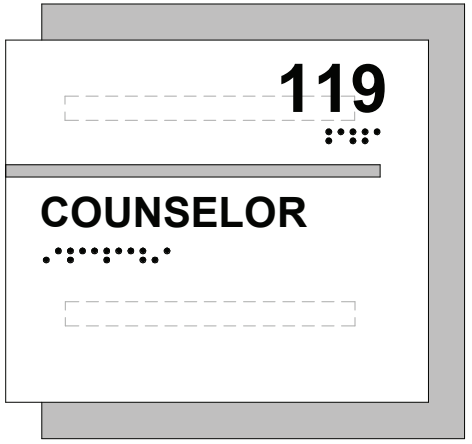












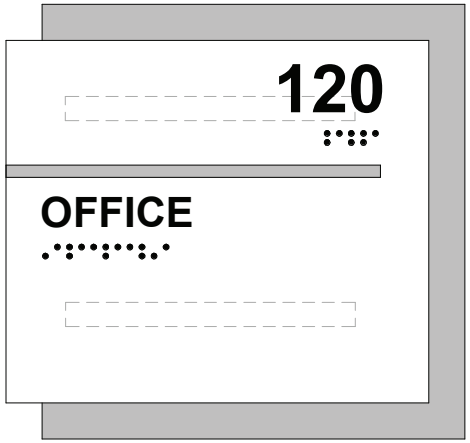
VETCENTER EST. 1979

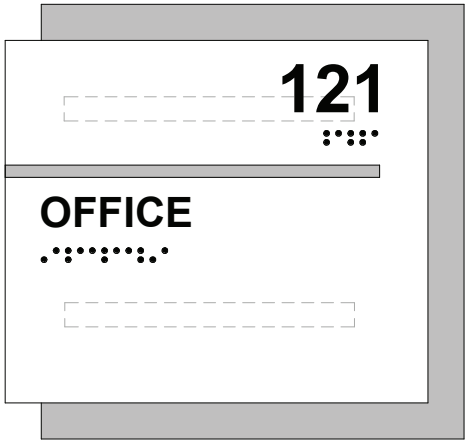
1. TYPE: 1/16” RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 1” HELVETICA
2. TYPE: GRADE 2 RAISED BRAILE
   COLOR: BLACK
3. TYPE: 1/16” BRUSHED METAL FACE ACCENT BAR, SET INTO CLEAR PANEL
   COLOR: BRUSHED NICKEL
4. TYPE: 1/16” RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 5/8” HELVETICA
5. TYPE: 1/8” ACRYLIC PANEL
   COLOR: FROSTED W/ WHITE BACK, 50% TRANSPARENT
6. TYPE: 1/8” ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
7. DOUBLE SIDED FOAM TAPE BETWEEN PANELS AND TO WALL INSTALLATION

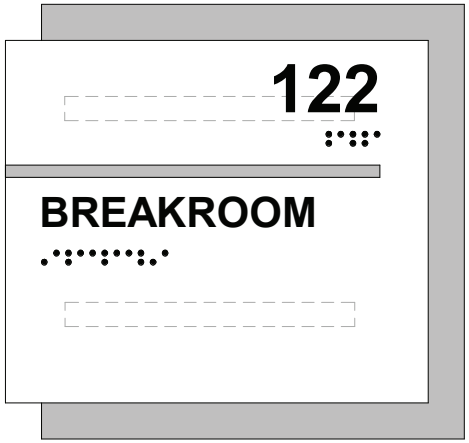
LESSOR SHALL VERIFY ALL SIGN TYPES AND LOCATIONS WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

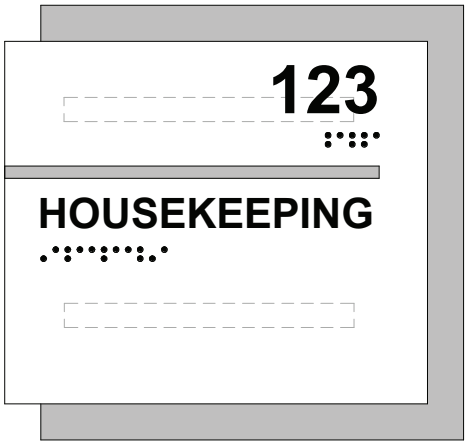
Sheet Title:
SIGNAGE TYPE A OVERALL

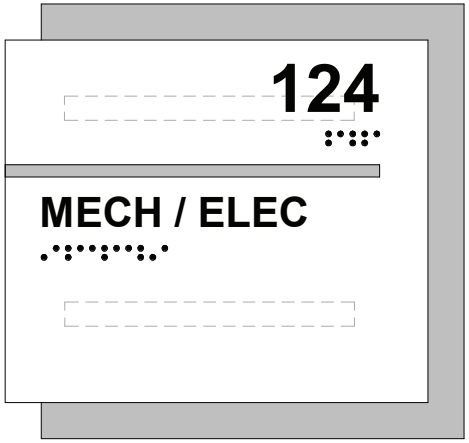
Sheet No.:
VC - 01.04











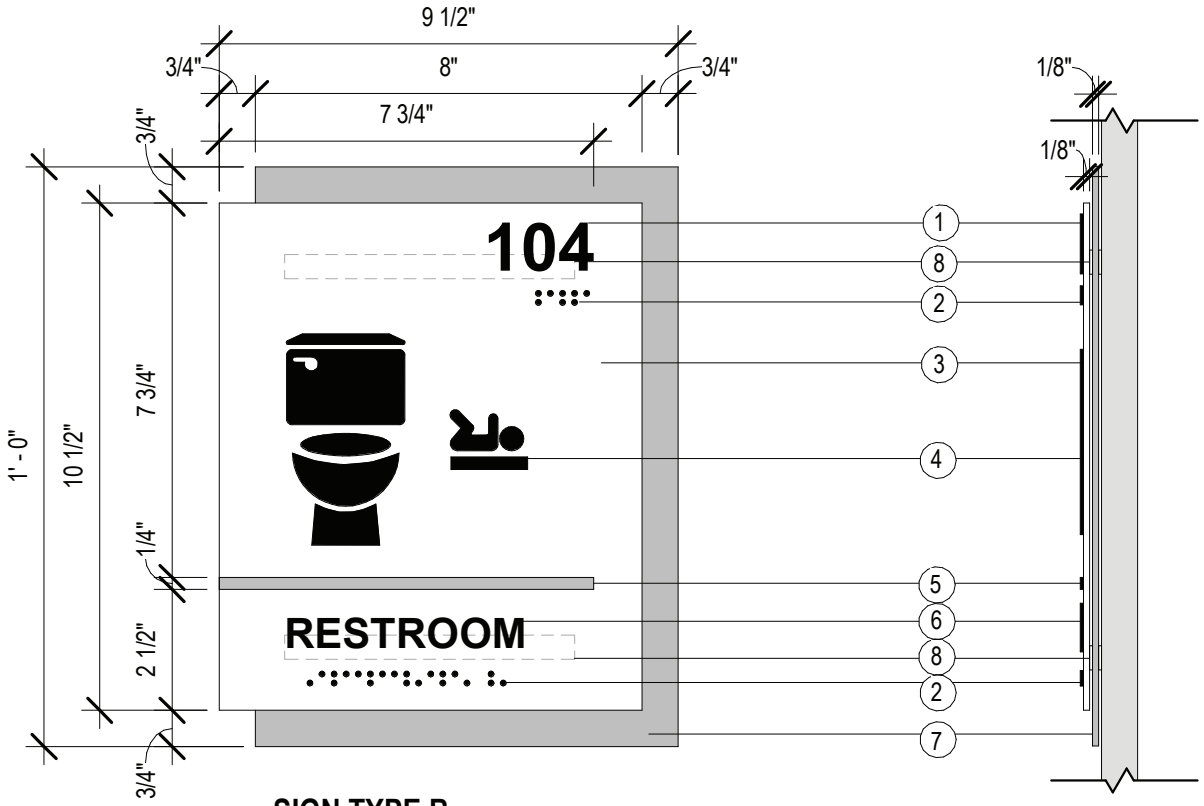
VETCENTER EST. 1979

1. TYPE: 1/16” RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 1” HELVETICA
2. TYPE: GRADE 2 RAISED BRAILE
   COLOR: BLACK
3. TYPE: 1/16” BRUSHED METAL FACE ACCENT BAR, SET INTO CLEAR PANEL
   COLOR: BRUSHED NICKEL
4. TYPE: 1/16” RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 5/8” HELVETICA
5. TYPE: 1/8” ACRYLIC PANEL
   COLOR: FROSTED W/ WHITE BACK, 50% TRANSPARENT
6. TYPE: 1/8” ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
7. DOUBLE SIDED FOAM TAPE BETWEEN PANELS AND TO WALL INSTALLATION

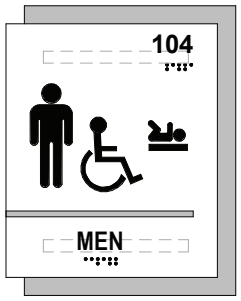
LESSOR SHALL VERIFY ALL SIGN TYPES AND LOCATIONS WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

Sheet Title:
SIGNAGE TYPE A OVERALL

Sheet No.:
VC - 01.05



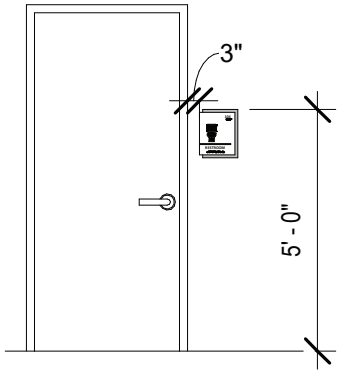
SIGN TYPE B
3" = 1'-0"



B1



B2



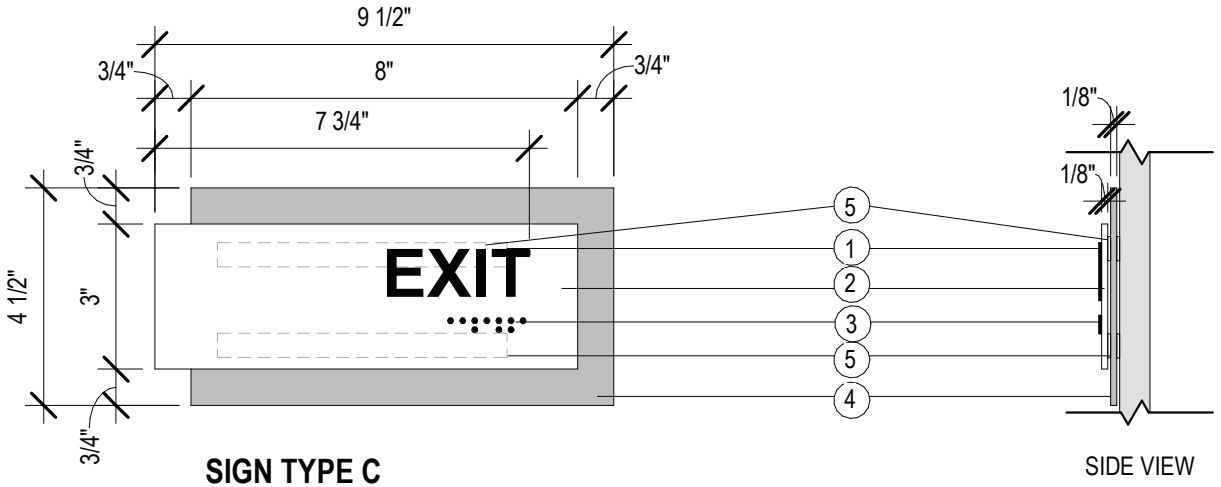
INSTALLATION DETAIL -TYPE B
1/4" = 1'-0"

1. TYPE: 1/16" RAISED ACRYLIC
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   TEXT: 1" HELVETICA
2. TYPE: GRADE 2 RAISED BRAILE
   COLOR: BLACK
3. TYPE: 1/8" ACRYLIC PANEL
   COLOR: FROSTED W/ WHITE BACK, 50% TRANSPARENT
4. TYPE: 1/16" RAISED ACRYLIC PICTOGRAMS
   COLOR: BLACK
5. TYPE: 1/16" BRUSHED METAL FACE ACCENT BAR, SET INTO CLEAR PANEL
   COLOR: BRUSHED NICKEL
6. TYPE: 1/16" RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 5/8" HELVETICA
7. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
8. DOUBLE SIDED FOAM TAPE BETWEEN PANELS AND TO WALL INSTALLATION

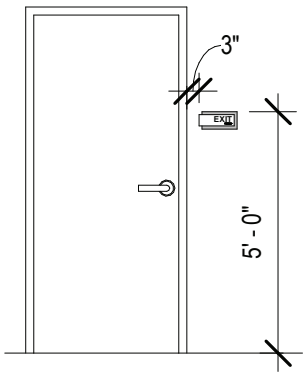
BABY CHANGING PICTOGRAM ONLY TO BE PROVIDED AT ROOMS ONE IS PROVIDED.

Sheet Title:
SIGNAGE TYPE B

Sheet No.:
VC - 02.01



SIGN TYPE C
3" = 1'-0"

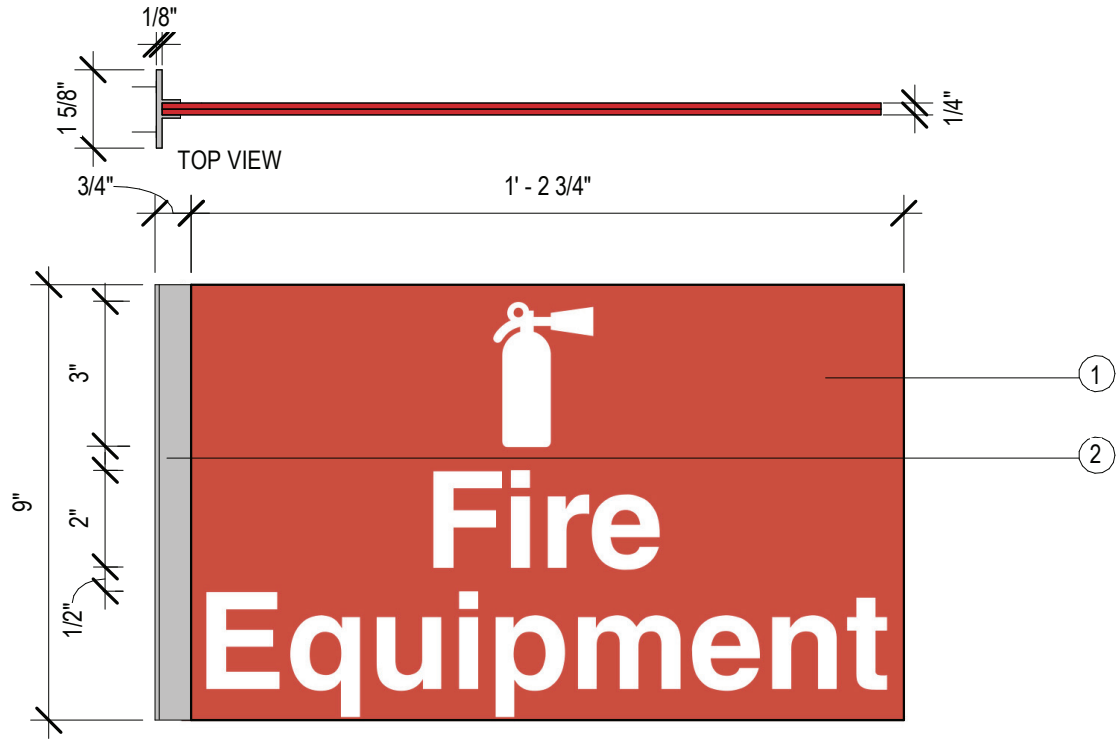


INSTALLATION DETAIL - TYPE C
1/4" = 1'-0"

1. TYPE: 1/16" RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 1" HELVETICA
2. TYPE: 1/8" ACRYLIC PANEL
   COLOR: FROSTED W/ WHITE BACK, 50% TRANSPARENT
3. TYPE: GRADE 2 RAISED BRAILE
   COLOR: BLACK
4. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
5. DOUBLE SIDED FOAM TAPE BETWEEN PANELS AND TO WALL INSTALLATION

Sheet Title:
SIGNAGE TYPE C

Sheet No.:
VC - 03.01



DUAL SIDED SIGN

SIGN TYPE D - FIRE EQUIPMENT

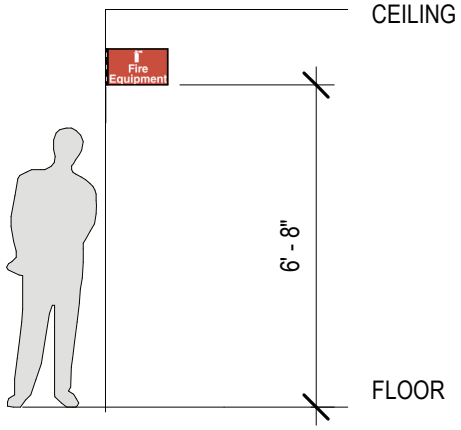
3" = 1'-0"



SIDE A



SIDE B



INSTALLATION DETAIL - TYPE D

1/4" = 1'-0"

1. TYPE: (2) 1/8" ACRYLIC PANELS W/ PICTOGRAM LAMINATED TOGETHER
   COLOR: WHITE & RED PANTONE 1797C
2. CLEAR ANOD ALUMINUM BRACKET, MECHANICAL FASTENERS WITH ANCHORS AS REQ'D

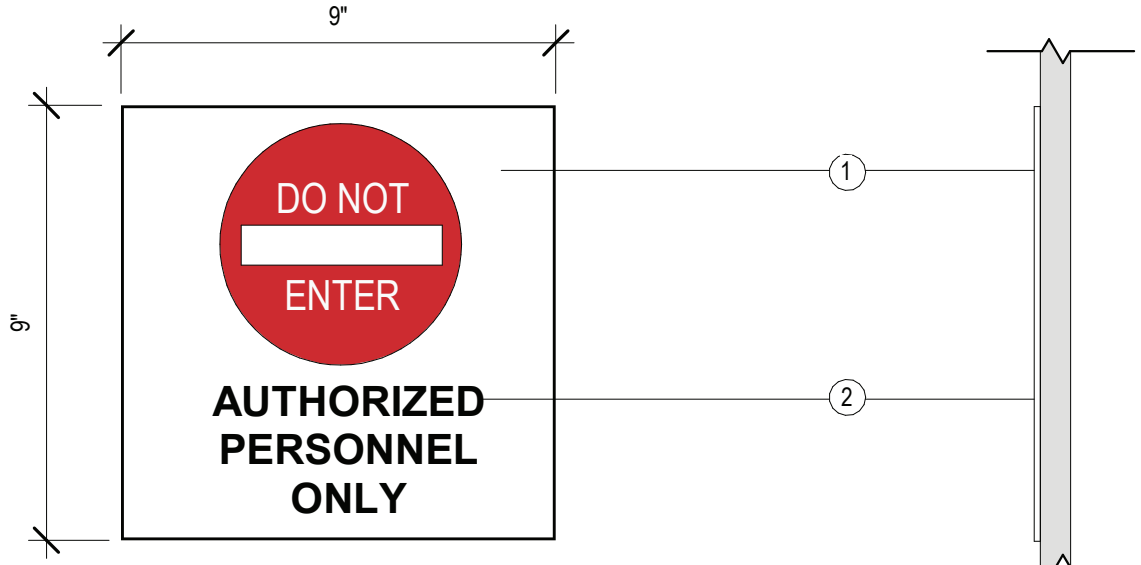
SIGN SHALL BE LOCATED ABOVE EACH FIRE EXTINGUISHER CABINET

Sheet Title:

SIGNAGE TYPE D

Sheet No.:

VC - 04.01



SIGN TYPE E - DO NOT ENTER
3" = 1'-0"

1. TYPE: 1/8" ACRYLIC PANEL W/ PICTOGRAM
   COLOR: WHITE & RED
   PANTONE 1797C
   TEXT: 5/8" HELVETICA

2. TYPE: 1/16" RAISED ACRYLIC
   COLOR: BLACK
   TEXT: 5/8" HELVETICA



E.1



E.2

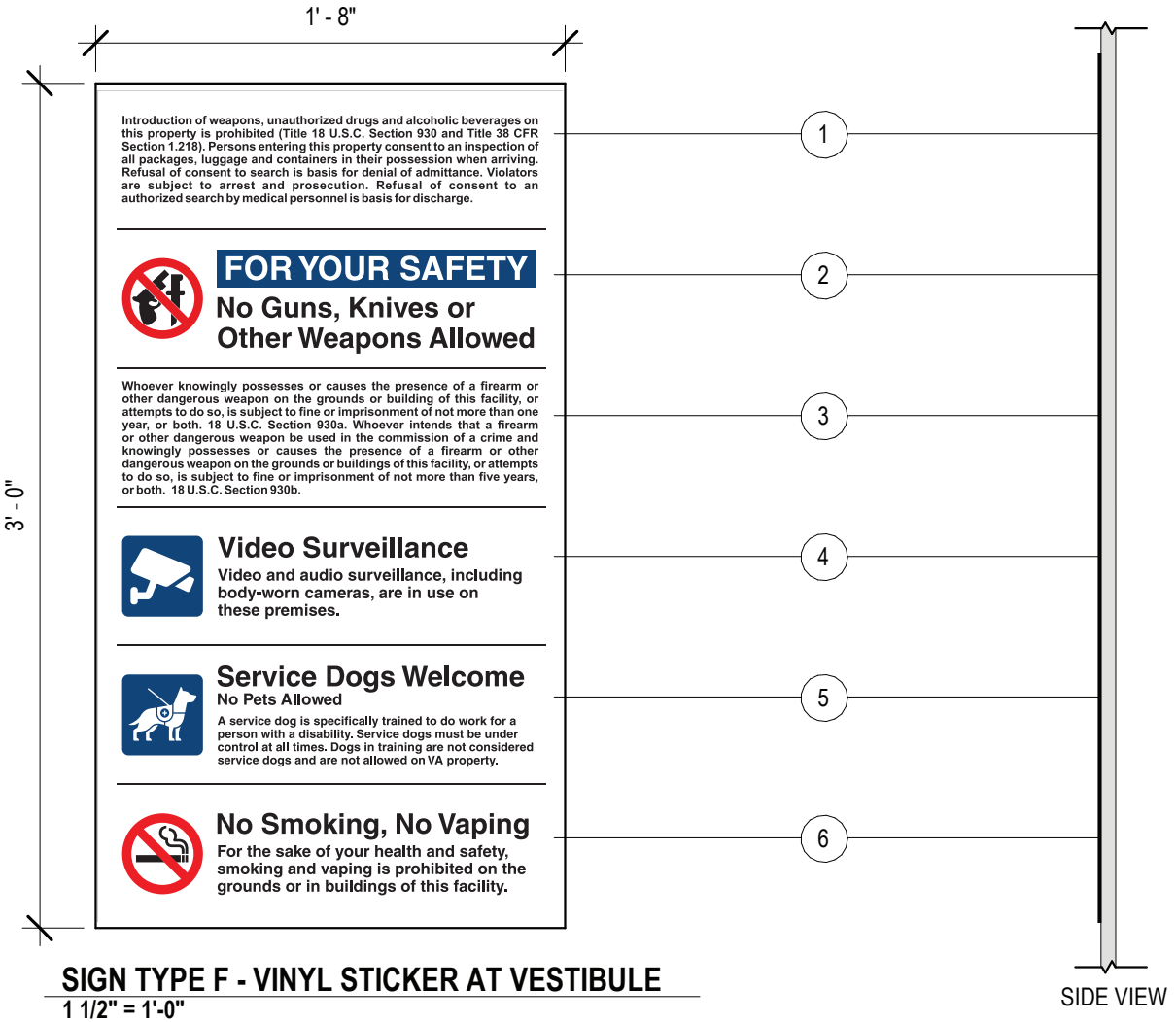


E.3

LESSOR SHALL VERIFY ACRYLIC OR VINYL STICKER WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE

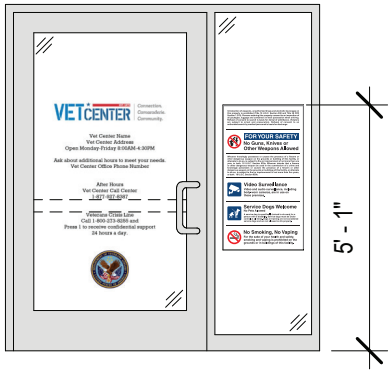
Sheet Title:
SIGNAGE TYPE E

Sheet No.:
VC - 05.01



SIGN TYPE F - VINYL STICKER AT VESTIBULE

1 1/2" = 1'-0"



INSTALLATION DETAIL- SINGLE DOOR W/ SIDELITE

1/4" = 1'-0"

VETCENTER EST. 1979

1. CONSENT TO INSPECTION
2. NO WEAPONS NOTICE
   COLOR: BLUE PANTONE 647C
3. NO WEAPONS POLICY
4. VIDEO SURVEILLANCE
   COLOR: BLUE PANTONE 647C
5. SERVICE DOGS
   COLOR: BLUE PANTONE 647C
6. NO SMOKING, NO VAPING

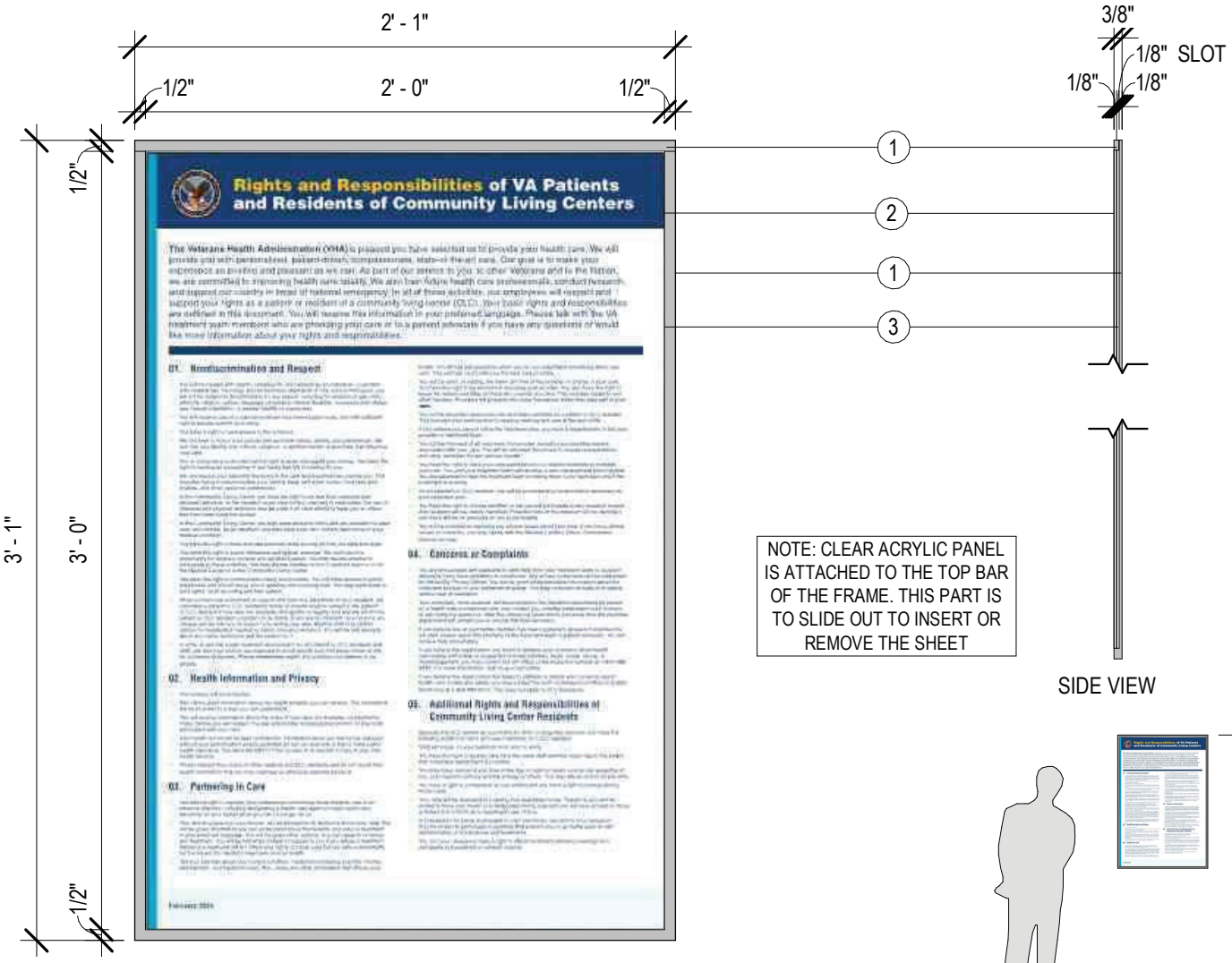
LESSOR SHALL VERIFY ACRYLIC OR VINYL STICKER WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

Sheet Title:

SIGNAGE TYPE F

Sheet No.:

VC - 06.01



SIGN TYPE G - RIGHTS & RESPONSIBILITIES OF VA PATIENTS

1 1/2" = 1'-0"

INSTALLATION DETAIL

1/4" = 1'-0"

1. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
2. TYPE: 1/8" ACRYLIC PANEL
   COLOR: CLEAR
3. TYPE: RIGHTS & RESPONSIBILITIES OF VA PATIENTS, CARDSTOCK SHEET PROVIDED BY VA

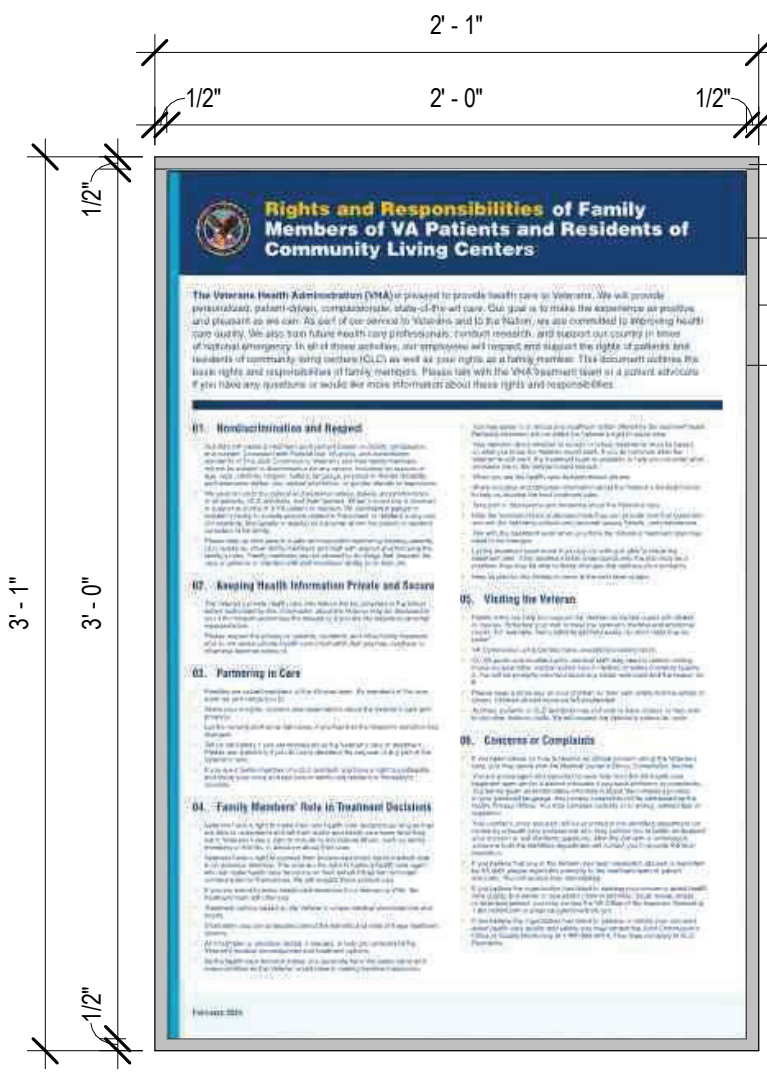
LESSOR SHALL VERIFY SIGN TYPE AND LOCATION WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

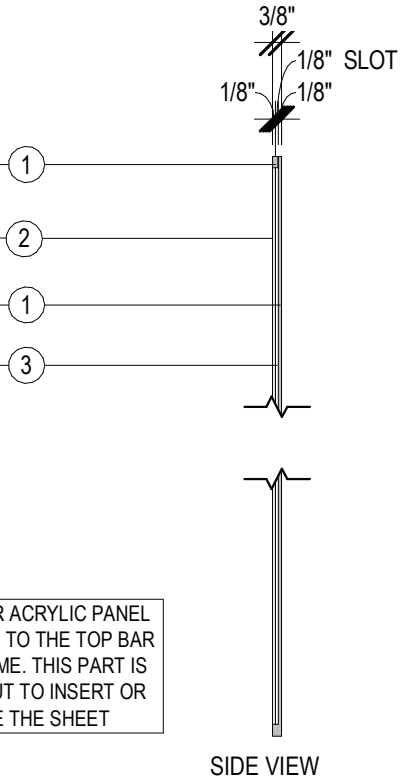
Sheet Title:

SIGNAGE TYPE G

Sheet No.:

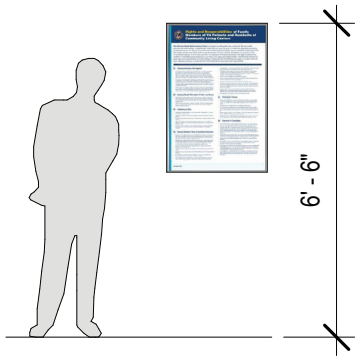
VC - 07.01





NOTE: CLEAR ACRYLIC PANEL IS ATTACHED TO THE TOP BAR OF THE FRAME. THIS PART IS TO SLIDE OUT TO INSERT OR REMOVE THE SHEET

SIDE VIEW



SIGN TYPE H - RIGHTS & RESPONSIBILITIES OF FAMILY MEMBERS OF VA PATIENTS

1 1/2" = 1'-0"

INSTALLATION DETAIL

1/4" = 1'-0"

VETCENTER EST. 1979

1. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
2. TYPE: 1/8" ACRYLIC PANEL
   COLOR: CLEAR
3. TYPE: RIGHTS & RESPONSIBILITIES OF FAMILY MEMBERS OF VA PATIENTS, CARDSTOCK SHEET PROVIDED BY VA

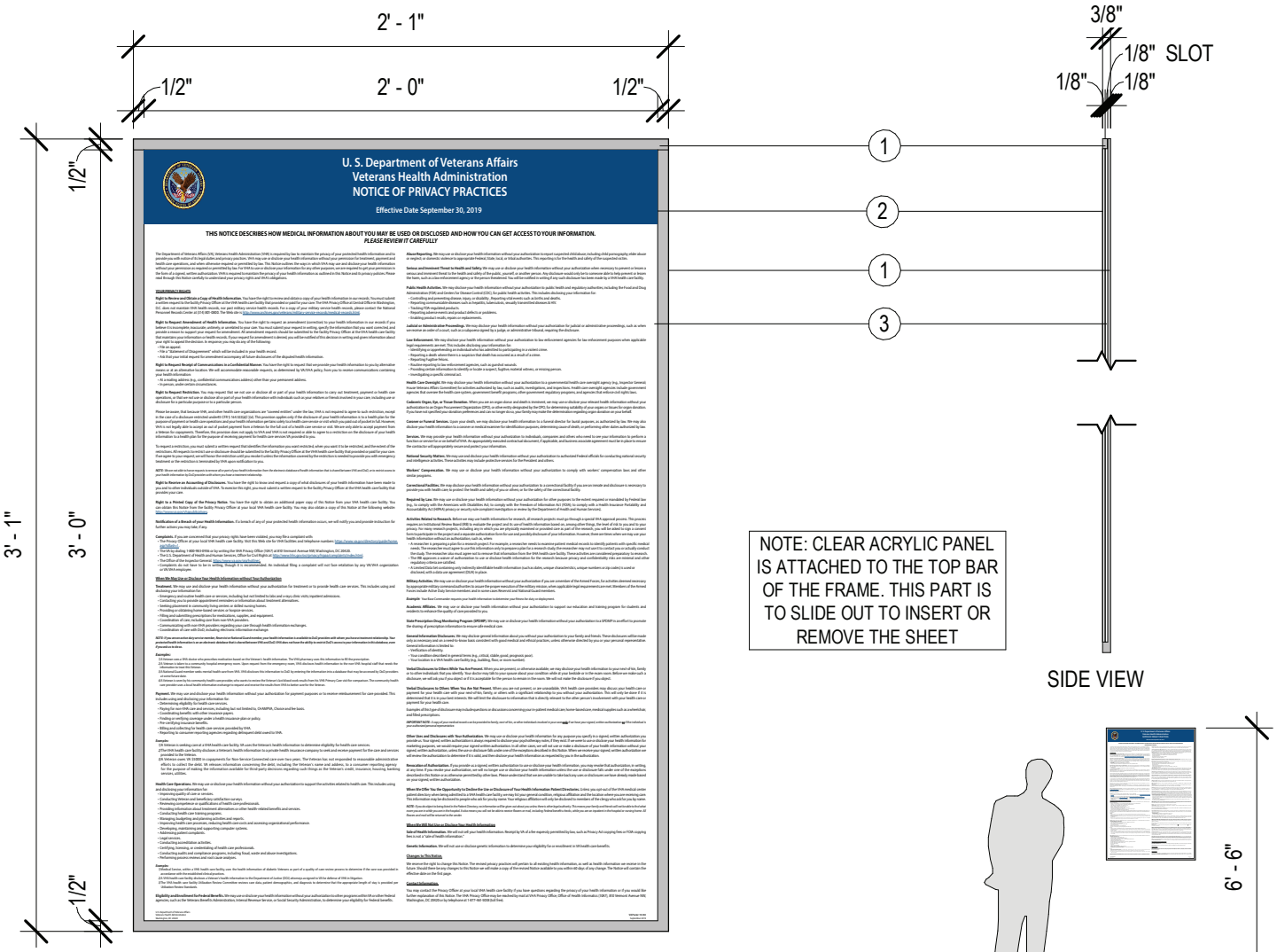
LESSOR SHALL VERIFY SIGN TYPE AND LOCATION WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

Sheet Title:

SIGNAGE TYPE H

Sheet No.:

VC - 07.02



SIGN TYPE I - NOTICE OF PRIVACY PRACTICES

1 1/2" = 1'-0"

INSTALLATION DETAIL

1/4" = 1'-0"

1. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
2. TYPE: 1/8" ACRYLIC PANEL
   COLOR: CLEAR
3. TYPE: NOTICE OF PRIVACY PRACTICES, CARDSTOCK SHEET PROVIDED BY VA

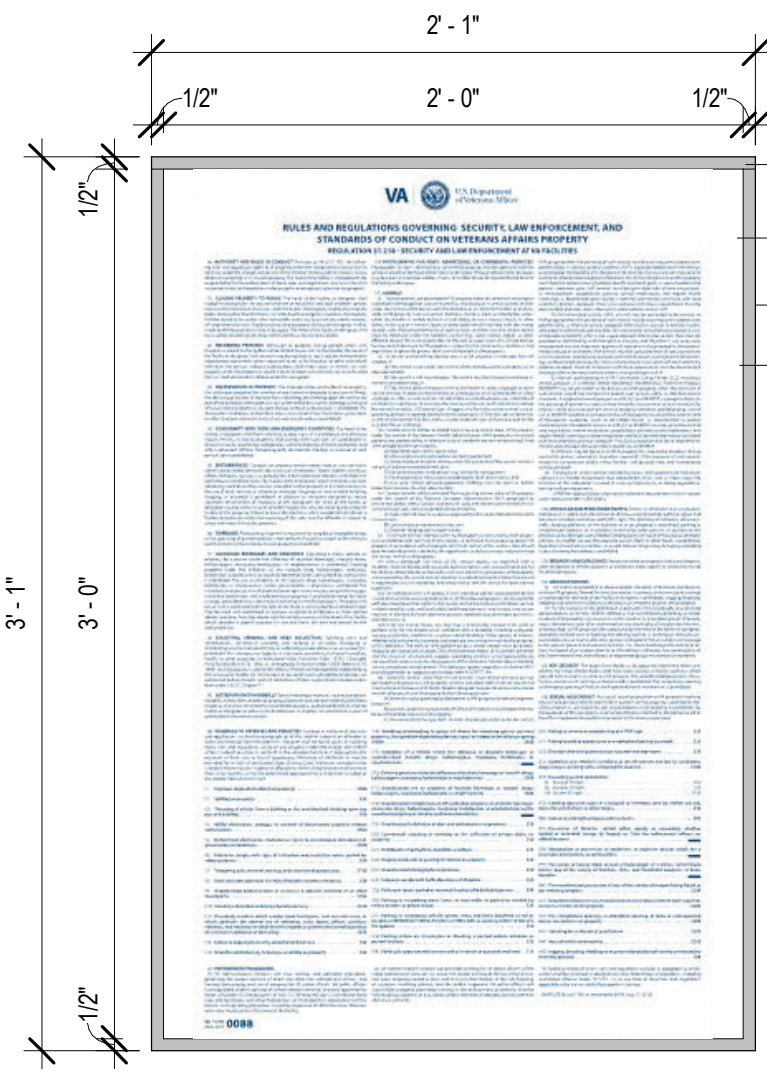
LESSOR SHALL VERIFY SIGN TYPE AND LOCATION WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

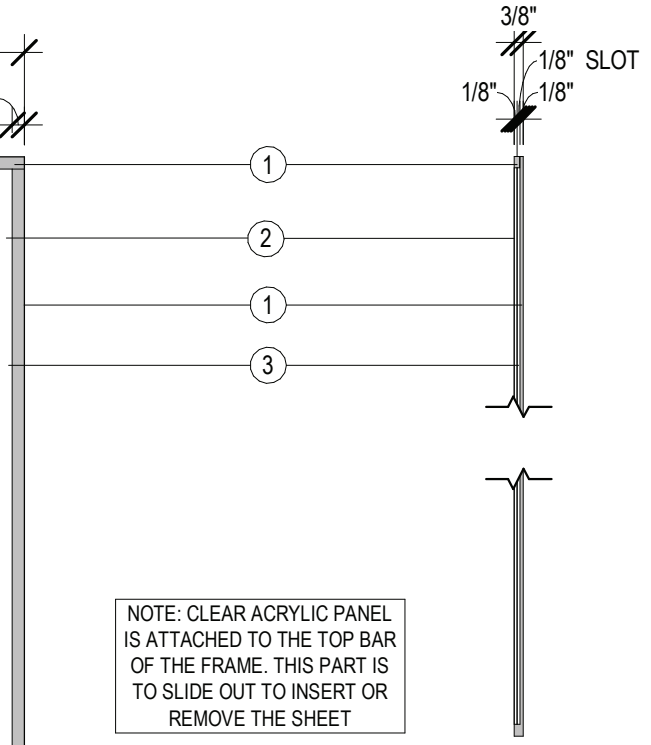
Sheet Title:

SIGNAGE TYPE I

Sheet No.:

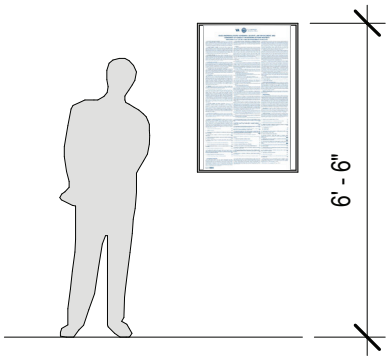
VC - 07.03





NOTE: CLEAR ACRYLIC PANEL IS ATTACHED TO THE TOP BAR OF THE FRAME. THIS PART IS TO SLIDE OUT TO INSERT OR REMOVE THE SHEET

SIDE VIEW



SIGN TYPE J - POLICIES AND DIRECTIVES

1 1/2" = 1'-0"

INSTALLATION DETAIL

1/4" = 1'-0"

1. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
2. TYPE: 1/8" ACRYLIC PANEL
   COLOR: CLEAR
3. TYPE: POLICIES AND DIRECTIVES, CARDSTOCK SHEET PROVIDED BY VA

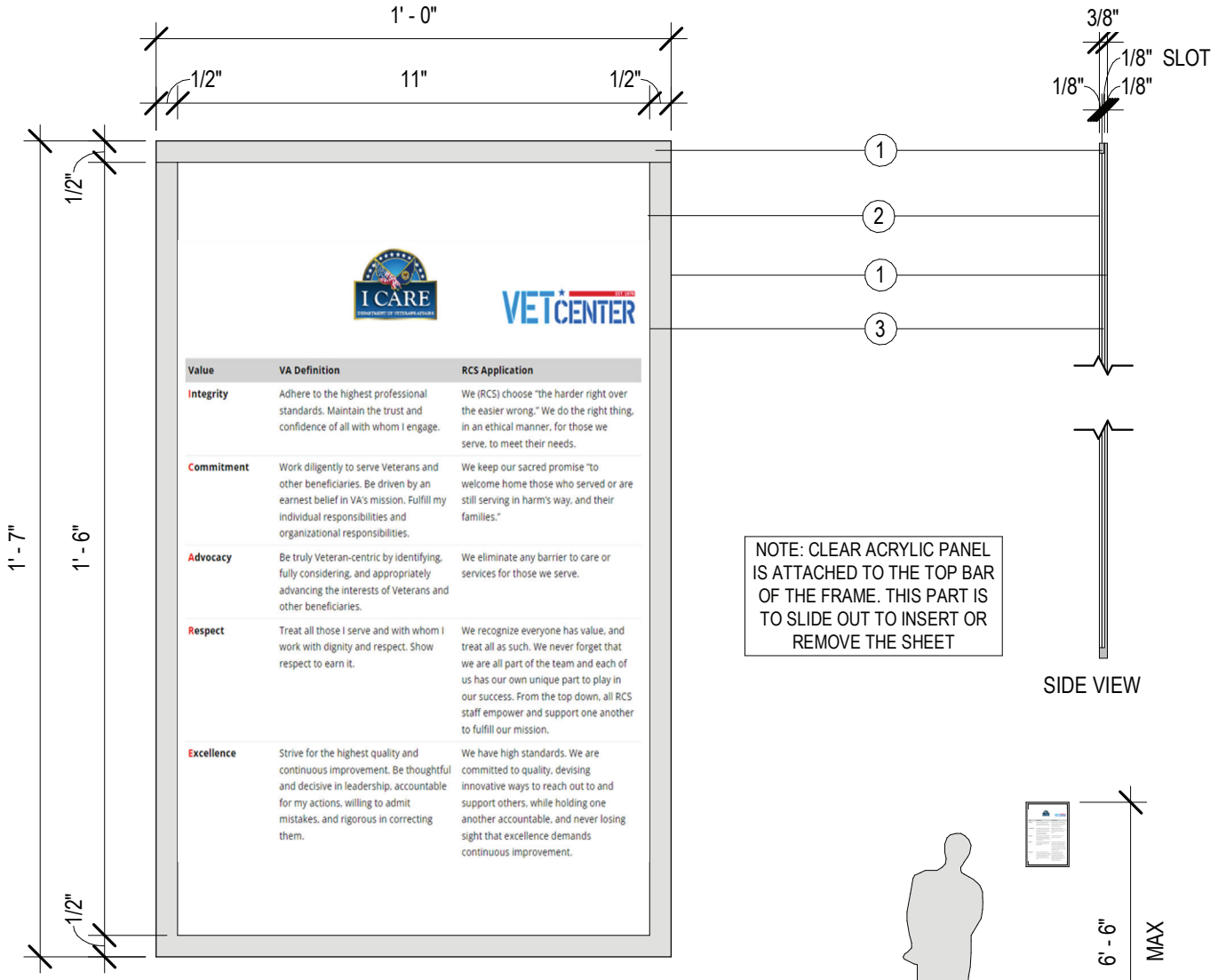
LESSOR SHALL VERIFY SIGN TYPE AND LOCATION WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

Sheet Title:

SIGNAGE TYPE J

Sheet No.:

VC - 07.04



SIGN TYPE K - RCS VALUES

3" = 1'-0"

INSTALLATION DETAIL

1/4" = 1'-0"

1. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
2. TYPE: 1/8" ACRYLIC PANEL
   COLOR: CLEAR
3. TYPE: RCS VALUES, CARDSTOCK SHEET PROVIDED BY VA

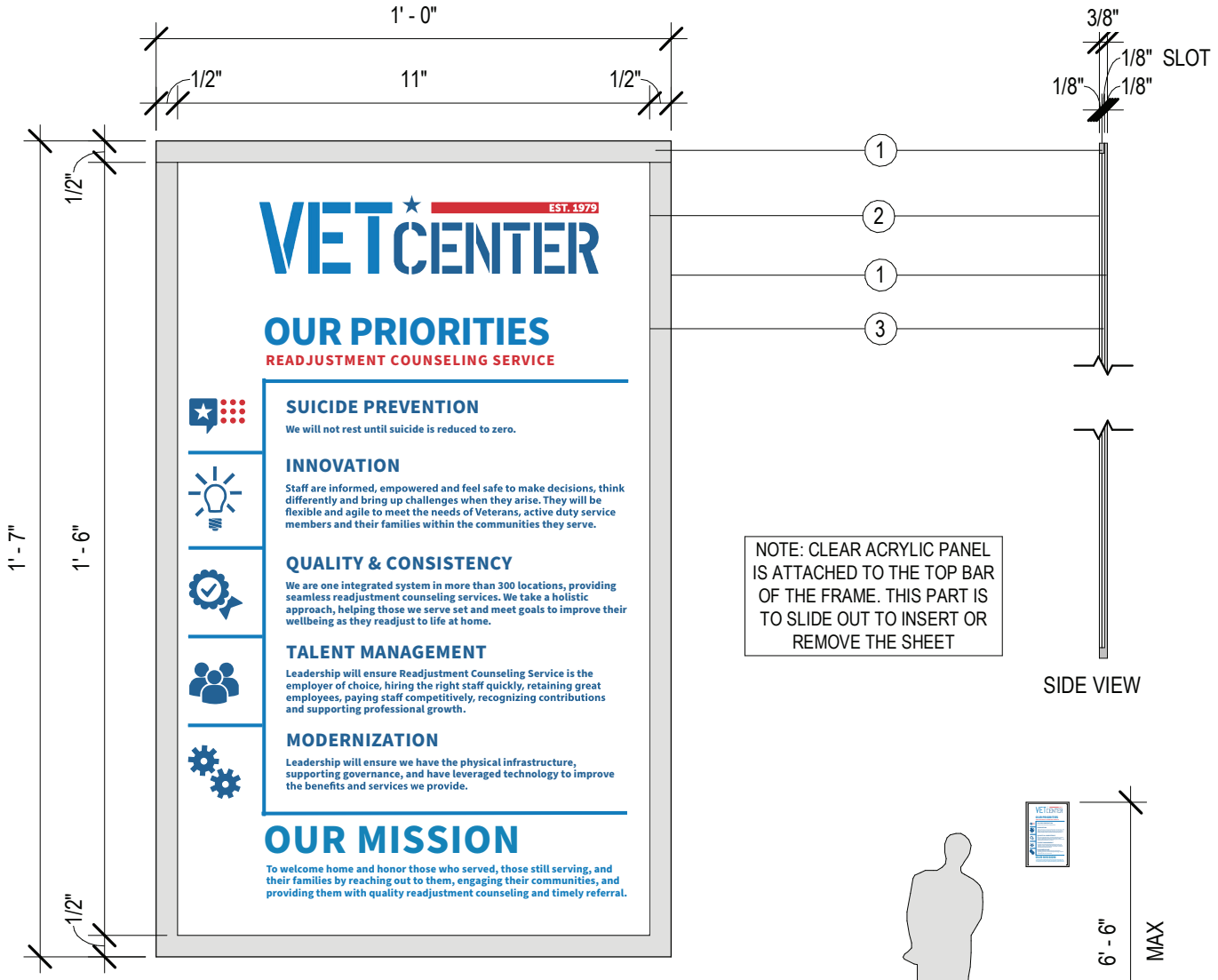
LESSOR SHALL VERIFY SIGN TYPE AND LOCATION WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

Sheet Title:

SIGNAGE TYPE K

Sheet No.:

VC - 07.05



SIGN TYPE L - VET CENTER PRIORITIES

3" = 1'-0"

INSTALLATION DETAIL

1/4" = 1'-0"

VET CENTER EST. 1979

1. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
2. TYPE: 1/8" ACRYLIC PANEL
   COLOR: CLEAR
3. TYPE: VET CENTER PRIORITIES, CARDSTOCK SHEET PROVIDED BY VA

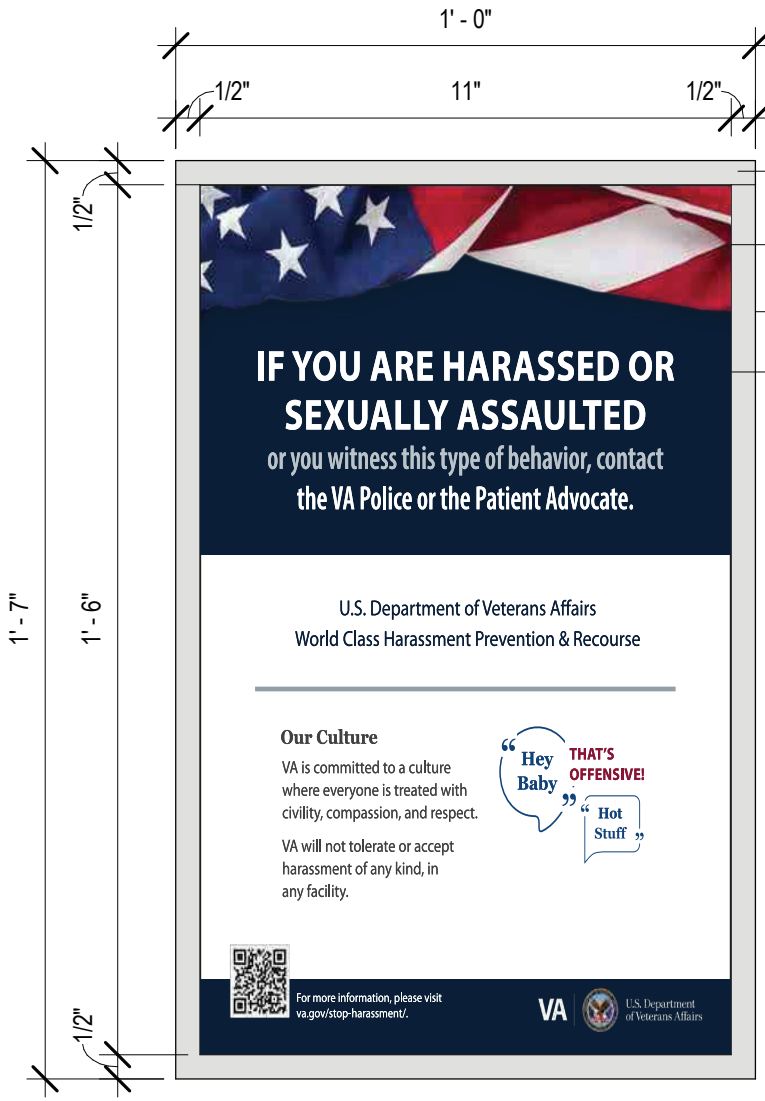
LESSOR SHALL VERIFY SIGN TYPE AND LOCATION WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

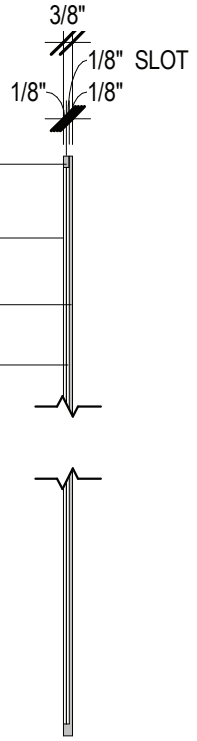
Sheet Title:

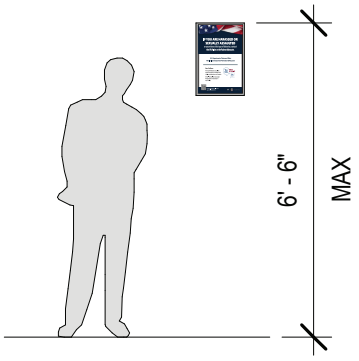
SIGNAGE TYPE L

Sheet No.:

VC - 07.06







SIGNAGE TYPE M - ANTI-SEXUAL HARASSMENT
3" = 1'-0"

INSTALLATION DETAIL
1/4" = 1'-0"

1. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
2. TYPE: 1/8" ACRYLIC PANEL
   COLOR: CLEAR
3. TYPE: ANTI-SEXUAL HARASSMENT, CARDSTOCK SHEET PROVIDED BY VA

LESSOR SHALL VERIFY SIGN TYPE AND LOCATIONS WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

Sheet Title:
SIGNAGE TYPE M

Sheet No.:
VC - 07.07



SIGNAGE TYPE N - HELP AND HAND SIGNAL SIGN

3" = 1'-0"

INSTALLATION DETAIL

1/4" = 1'-0"

1. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
2. TYPE: 1/8" ACRYLIC PANEL
   COLOR: CLEAR
3. TYPE: HELP AND HAND SIGNAL SIGN, CARDSTOCK SHEET PROVIDED BY VA

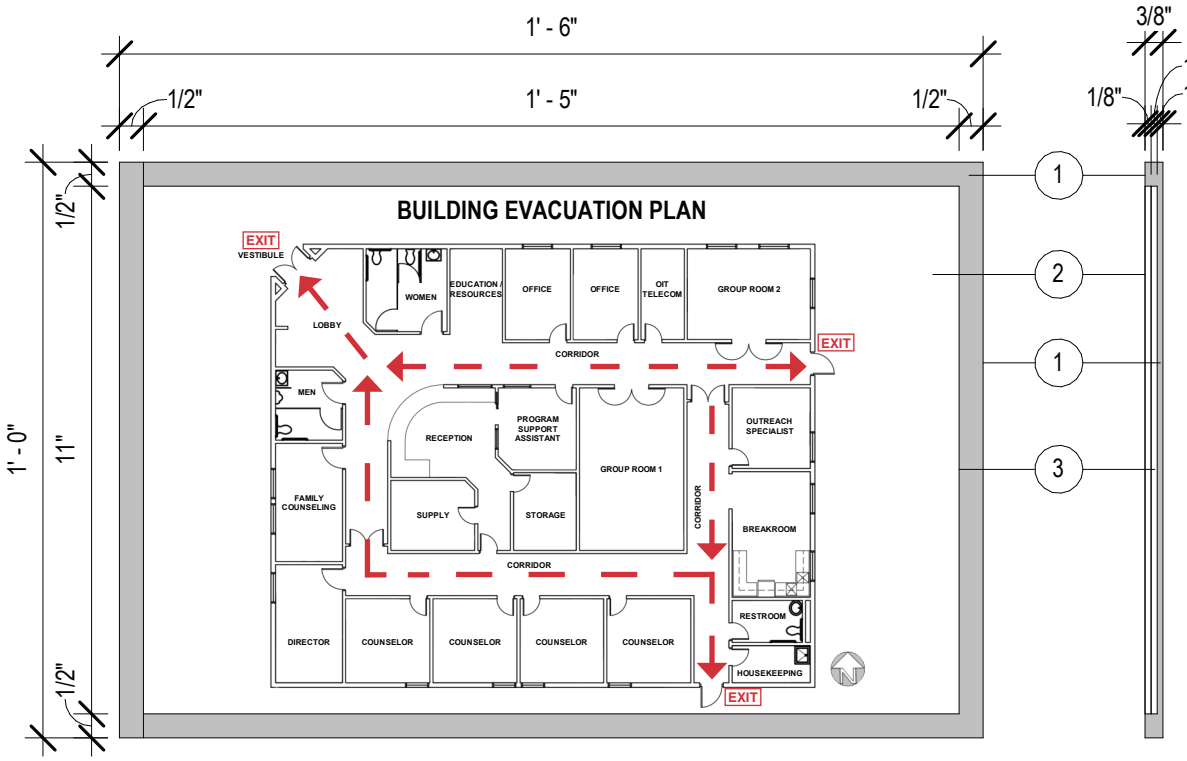
LESSOR SHALL VERIFY SIGN TYPE AND LOCATIONS WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

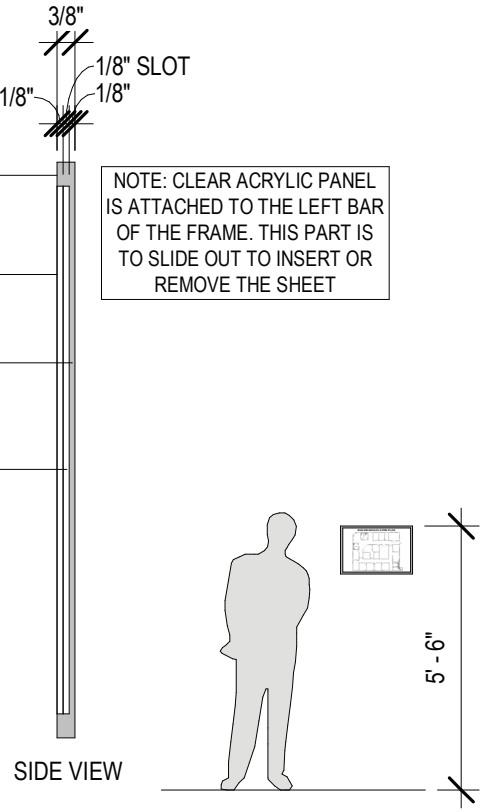
Sheet Title:

SIGNAGE TYPE N

Sheet No.:

VC - 07.08





NOTE: CLEAR ACRYLIC PANEL IS ATTACHED TO THE LEFT BAR OF THE FRAME. THIS PART IS TO SLIDE OUT TO INSERT OR REMOVE THE SHEET

SIGN TYPE O - EVACUATION PLAN

3" = 1'-0"

INSTALLATION DETAIL

1/4" = 1'-0"

1. TYPE: 1/8" ACRYLIC PANEL W/ BRUSHED METAL FACE
   COLOR: BRUSHED NICKEL
2. TYPE: 1/8" ACRYLIC PANEL
   COLOR: CLEAR
3. TYPE: BUILDING EVACUATION PLAN, CARDSTOCK SHEET

LESSOR SHALL VERIFY SIGN TYPE AND LOCATIONS WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

Sheet Title:

SIGNAGE TYPE O

Sheet No.:

VC - 07.09

VET CENTER | Connection. Camaraderie. Community.

1

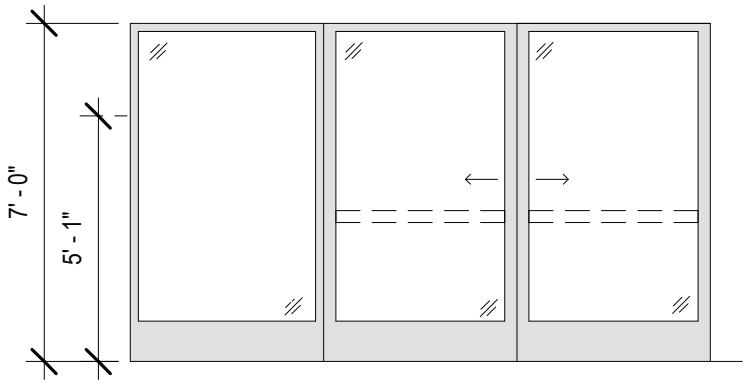
Vet Center Name
Vet Center Address
Open Monday-Friday 8:00AM-4:30PM

Ask about additional hours to meet your needs.
Vet Center Office Phone Number

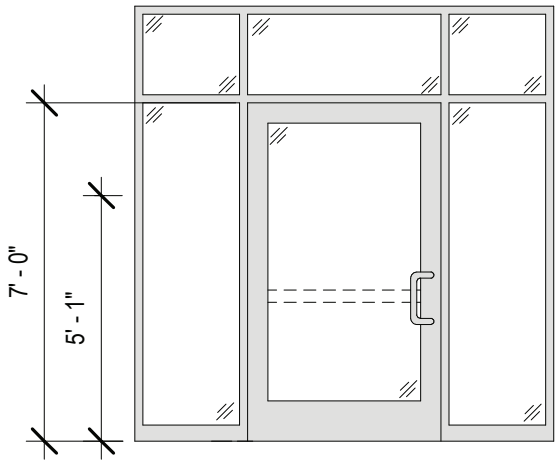
After Hours
Vet Center Call Center
1-877-927-8387

Veterans Crisis Line
Dial 988 and Press 1 to receive
confidential support 24 hours a day.

SIGN TYPE P - VINYL PUBLIC ENTRANCE SIGN
1/2" = 1'-0"



INSTALLATION DETAIL - SLIDING DOORS
1/4" = 1'-0"



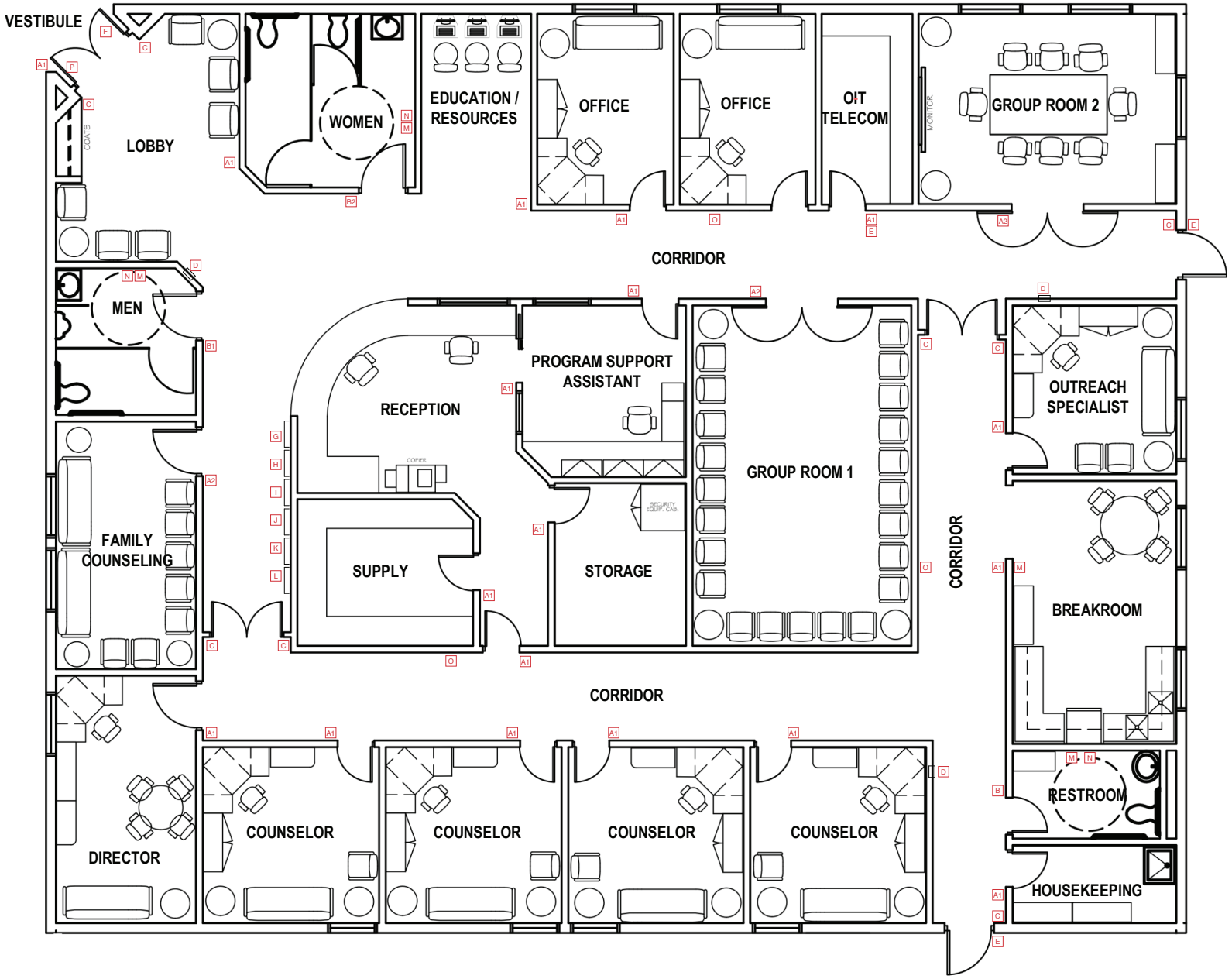
INSTALLATION DETAIL- SINGLE DOOR
1/4" = 1'-0"

VET CENTER EST. 1979

1. TYPE: VINYL LETTERS, LOGO, & SEAL W/ TRANSPARENT BACKGROUND
   COLOR: WHITE LETTERS W/ COLORED LOGOS & VA SEAL
   LOGO PANTONES:
   LIGHT BLUE - 7461C
   DARK BLUE - 647C
   RED - 1797C

Sheet Title:
SIGNAGE TYPE P

Sheet No.:
VC - 08.01



VETCENTER EST. 1979

[X] INDICATES SIGN TYPE TO USED AT A GIVEN LOCATION

LESSOR SHALL VERIFY ALL SIGN TYPES AND LOCATIONS WITH VA DIRECTOR AT DESIGN INTENT DRAWINGS STAGE.

Sheet Title:

SIGNAGE - GENERIC PLAN

Sheet No.:

VC - 00.01

VET CENTER - INTERIOR SIGN SCHEDULE

ROOM NUMBER	ROOM NAME	SIGN TYPE	SIGN TEXT	NOTES
100	VESTIBULE	TYPE A1	100 / VESTIBULE	
100	VESTIBULE	TYPE C	EXIT	
100	VESTIBULE	TYPE F	GROUPED POLICIES	
100	VESTIBULE	TYPE P	VINYL PUBLIC ENTRANCE	
101	HOUSEKEEPING	TYPE I	NOTICE OF PRIVACY PRACTICES	
101	LOBBY	TYPE F	101 / WAITING	
101	LOBBY	TYPE G	RIGHTS & RESPONSIBILITIES OF VA PATIENTS	
101	LOBBY	TYPE H	RIGHTS & RESPONSIBILITIES OF FAMILY MEMBERS OF VA PATIENTS	
101	LOBBY	TYPE J	POLICIES AND DIRECTIVES	
101	LOBBY	TYPE K	RCS VALUES	
101	LOBBY	TYPE L	VET CENTER PRIORITIES	
102	RECEPTION	TYPE A1	102 / RECEPTION	
103	EDUCATION / RESOURCES	TYPE A1	103 / EDUCATION / RESOURCES	
104	MENS	TYPE B	104 / MENS	
104	MENS	TYPE M	ANTI-SEXUAL HARASSMENT	
104	MENS	TYPE N	HELP AND HAND SIGNAL SIGN	
104	RESTROOM	TYPE B	104 / RESTROOM	
104	RESTROOM	TYPE M	ANTI-SEXUAL HARASSMENT	
104	RESTROOM	TYPE N	HELP AND HAND SIGNAL SIGN	
105	WOMENS	TYPE B	105 / WOMENS	
105	WOMENS	TYPE M	ANTI-SEXUAL HARASSMENT	
105	WOMENS	TYPE N	HELP AND HAND SIGNAL SIGN	
106	GROUP ROOM 1	TYPE A2	106 / GROUP ROOM 1	
107	GROUP ROOM 2	TYPE A2	107 / GROUP ROOM 2	
108	FAMILY COUNSELING	TYPE A2	108 / FAMILY COUNSELING	
109	PROGRAM SUPPORT ASSISTANT	TYPE A1	109/ PROGRAM SUPPORT ASSISTANT	
110	COPY / SUPPLY	TYPE A1	110 / COPY / SUPPLY	
111	SUPPLY	TYPE A1	111 / SUPPLY	
112	STORAGE	TYPE A1	112 / STORAGE	
113	TELECOM	TYPE A1	113 / TELECOM	
113	TELECOM	TYPE E	113/ DO NOT ENTER	
114	DIRECTOR	TYPE A1	114 / DIRECTOR	
115	OUTREACH SPECIALIST	TYPE A1	115 / OUTREACH SPECIALIST	
116	COUNSELOR	TYPE A1	116 / COUNSELOR	
117	COUNSELOR	TYPE A1	117 / COUNSELOR	
118	COUNSELOR	TYPE A1	118 / COUNSELOR	
119	COUNSELOR	TYPE A1	119 / COUNSELOR	
120	OFFICE	TYPE A1	120 / OFFICE	
121	OFFICE	TYPE A1	121 / OFFICE	
122	BREAKROOM	TYPE A1	122 / BREAKROOM	
122	BREAKROOM	TYPE M	ANTI-SEXUAL HARASSMENT	
123	HOUSEKEEPING	TYPE A1	123 / HOUSEKEEPING	
124	MECH / ELEC	TYPE A1	124 / MECH / ELEC	
C101	CORRIDOR	TYPE C	EXIT	(2) AT EXIT DOORS
C101	CORRIDOR	TYPE D	FIRE EQUIPMENT	ABOVE EACH FIRE EXTINGUISHER CABINET
C101	CORRIDOR	TYPE E	DO NOT ENTER	OUTSIDE ON SIDE OR BACK ENTRANCES
C101	CORRIDOR	TYPE O	EVACUATION PLAN	(1) IN EACH CORRIDOR

VET CENTER EST. 1979

SCHEDULE NOTE:

ALL SIGNAGE TO BE FIRST REVIEWED AND APPROVED BY THE VA. SUBMIT SHOP DRAWINGS, COLORS AND FINISH SCHEMES, VA PROVIDED ROOM NAMES & NUMBERS, ETC. FOR REVIEW PRIOR TO ORDERING. ALL SIGNS INDICATED MAY BE SELECTED BY VA. ADDITIONAL SIGNAGE TYPES AND OR STYLES MAY BE REQUIRED BY THE GOVERNMENT, AUTHORITY HAVING JURISDICTION OR VA AND SHALL BE CLARIFIED DURING THE SHOP DRAWING REVIEW PHASE. EXACT QUANTITIES AND LOCATIONS TO BE COORDINATED DURING THE SHOP DRAWING PHASE. LESSOR TO PROVIDE ALL CONCEALED BLOCKING AT LOCATIONS FINALIZED BY THE VA.

Sheet Title:

SIGNAGE - SCHEDULE

Sheet No.:

VC - 00.02

VET CENTER EST. 1979

VA U.S. Department of Veterans Affairs

Office of Information
and Technology

Telecommunications Design Guide

PG-18-12 Appendix G: Design for Telecommunications Enclosures (TEs)

March 27, 2025

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1. Background

Telecommunications Enclosures (TEs) are wall-mounted telecommunications cabinets used in specific limited circumstances to provide telecommunications horizontal distribution. Due to risks and limitations associated with the use of TEs there is a recognized need for a standardized, standards-based design for these types of equipment.

The Office of Information Technology (OIT) Data Center & Infrastructure Engineering (DCIE) team has developed this design package for use in planning, design, and implementation of projects across VA.

2. Telecommunications Enclosure Overview

Telecommunications Enclosures (TEs) are used for telecommunications horizontal distribution in certain types of spaces where standard Telecommunications Rooms (TRs) are not warranted, justified, or feasible. They are not a replacement for TRs in the general use case due to the risks and limitations associated.

Except for in a very limited number of specific, defined use cases, TEs are not a suitable alternative to a Telecommunications Room (TR) and may not be substituted for such. Where TRs are designed to support all of the telecommunications needs of all users of the facility, TEs are designed solely to support limited distribution of the VA Local Area Network (LAN). As such, serving zones that require other types of telecommunications support would not be adequately supported by a TE.

TEs are wall-mounted telecommunications cabinets with limited space, power, and heat rejection capabilities. VA has standardized on two form factors for the use of TEs based on particular engineered use cases. Specification, procurement, installation, and use of non-standard TEs is not permissible without an approved variance from OIT Data Center & Infrastructure Engineering. The use of TEs for non-standard telecommunications functions (e.g., distributed server/storage equipment, support of networks or telecommunications systems not managed by OIT, etc.) is not permissible.

Salient characteristics for approved standardized TEs are found in the VA Infrastructure Standard for Telecommunications Spaces and Division 27 specifications.

2.1. General Usage

Usage. A maximum of 96 Work Area Outlets (WAOs) can be supported by a standardized TE, conforming to a maximum of two 48-port distribution switches . Each data jack in a workspace telecommunications outlet, wired back to the patch panels in the TE, is considered a separate WAO for these purposes. Where 1-48 WAOs are planned, a 12 RU (half-height) standardized TE is used. Where 49-96 WAOs are planned, a 26 RU (full-height) standardized TE is used.

Services. No services other than VA LAN horizontal distribution can be supported from a standardized TE, except in a building with no VA staffing presence and no requirements for VA LAN but where Guest Wi-Fi is provided.

Environment. TEs may be deployed to spaces falling within the environmental envelope conditions for a TR, as described in the VA Infrastructure Standard for Telecommunications Spaces. Ambient air conditions in the containing space are between 41 °F-95 °F dry bulb, 8-80% relative humidity, and a dew point less than 82.4 °F. Non-standard environmentally conditioned TEs may be approved by variance for spaces where the ambient air conditions extend outside of these limits.

Penetrations. All knockouts and cable entry points shall be sealed to prevent liquid and dust entry.

Accessories. TEs shall be planned, designed, and provided with required accessories to support effective electrical, mechanical, and telecommunications usage. In addition to the electrical distribution equipment this includes cable port brush kits, low-noise dual fan and filter kits, replacement filter kits, shel(ves), vertical rail-mounted cable managers, and an LED light kit as shown in the templates.

2.2. Limitations Associated with the Use of TEs

Compared to VA standardized TRs, TEs have a number of inherent limitations based on their physical size and electrical support capabilities.

- A limited amount of IT equipment can be installed in a 12 or 26 Rack Unit (RU) height TE compared with the amount that can be installed in a TR with one or more 45 RU network channel racks.
- Vertical RU space in the TE for IT equipment is decreased by the electrical distribution equipment (UPSs and PDUs) needed to support active systems.

- The total depth of the TE cabinet limits the depth of IT equipment that can be installed; the 760 mm/30 in deep TE can support a maximum equipment depth of 708 mm/27.9 in, which may be reduced depending on specific IT equipment design and mounting.
- Power supplied to the TE is effectively interior to the body of the cabinet, so equipment depths where a junction box, receptacles, and equipment power plugs interface will be further reduced in this area.
- Depending on cabinet wall mounting, the TE is only rated to support up to 136 kg/300 lb of equipment. This is not anticipated to be a "most-constraining" limitation in the general use case for TEs.
- Due to limited availability of electrical distribution equipment (UPSs and PDUs), the amount of power available to IT equipment is limited to 2,880 W supplied at 120 V. This is not anticipated to be a "most-constraining" limitation in the general use case for TEs.

2.3. Risks Associated with the Use of TEs

TEs do not provide the same level of physical security to the VA network as TRs. Where a TR is a locked, protected, monitored room with well-understood physical security requirements, TEs have historically not had the same level of protection applied. Insufficiently protected TE installations put the telecommunications equipment and the VA network at risk.

IT equipment in a TE may be at risk of environmental exposure outside of allowable limits depending on the construction and installation location of the TE. Examples of physical risks include:

- Installation in parking garages may expose the equipment to temperature extremes, humidity and/or water exposure, and contaminants (particulates, salt, etc.).
- Installation in unprotected spaces may expose the equipment to unauthorized physical access which could result in tampering, damage, or theft.

IT equipment in a TE may also be at risk of logical access depending on the installation location and physical security controls for the TE.

- Installation in unprotected spaces or without adequate monitoring may allow direct access to the IT equipment and network that it operates on, exposing the

VA Local Area Network (LAN) to a variety of attacks (monitoring of traffic, removal of data, upload of malicious software, etc.).

2.4. Physical Security Considerations

Where TEs are installed in dedicated telecommunications spaces, the containing space (room) provides the physical security necessary to protect the equipment and VA network. This dedicated space functions as a Telecommunications Room (TR). Physical security requirements for the TR are addressed in the VA Physical Security and Resiliency Design Manual (PSRDM) and VA Handbook 0730.

When the containing space where a TE is installed is not dedicated to the telecommunications function, the physical security requirements are modified. This may impact the selection and/or design of containing spaces. The containing space must meet the physical security requirements of a TR, but the intrusion detection system door contact sensors are installed on the front and rear door sections of the TE.

Practically, the containing space in this scenario may be open and unsecured if occupied (for example, a private office during regular business hours), and shall be secured when unoccupied (e.g., after business hours or when vacated). Generally, occupants of a containing space require the same adjudicated level of background check as would be necessary to be eligible for unescorted access to a TR. Access logs to the TE are maintained for access to the cabinet, not the containing space.

3. Design Description

This design narrative describes a generic, standardized TE. Include all described elements (except for active server/storage/switch equipment and patch cords) in the scope of the project installing a TE in a VA space.

3.1. Allowable Space Classifications for TEs

TEs may not be deployed to spaces where clinical healthcare services are provided, including research & development facilities.

TEs may be deployed to the following types of non-healthcare spaces (typical):

A. Parking structures.
B. Technical spaces such as warehouses, kitchens, laundries, mechanical/electrical plant buildings, chiller and boiler plants, garages, and paint shops.
C. Historical quarters converted to administrative use.
D. Buildings with no VA staffing presence and no requirements for connectivity to the VA LAN or Guest Wi-Fi.
E. Temporary modular trailers.
F. National Cemetery Administration (NCA) field facilities.
G. Fisher House buildings.
H. Veterans Health Administration (VHA) mental health care administrative facilities (Vet Centers).

Temporary buildings and trailers must be validated to actually be temporary (including a stipulated duration of operation and planned date of removal) and no history of previous deferred or cancelled removal plans.

3.2. Architectural

Full-height TEs shall be 26 RU in height (1220 mm/48") or larger as needed to meet the specific implementation requirements. Half-height TEs shall be a minimum of 12 RU in height (610 mm/24 in).

TEs shall be a minimum of 610 mm/24 in in width to allow for power and telecommunications cabling management to the sides of rack-mounted equipment. TEs shall be provided with adjustable 19" EIA/TIA rack rails. Rear rail kits are required for equipment installation.

TEs shall be a minimum of 760 mm/30 in depth to allow for structured cabling and power distribution at the rear of the cabinet.

TEs may be installed in both dedicated and non-dedicated spaces.

TE cabinets are mounted to ¾" plywood backboard via 16" on-center mounting for standard stud construction.

TEs open in both front and rear (swings open) for access to front and rear of installed equipment. Both sections are able to be physically locked.

Construction of the cabinet provides NEMA-1 protection. Dust seals and replaceable inlet/outlet filters for vents/airflow openings/fans are provided; this is required regardless of the planned installation environment. Filters for the TE shall be commercially widely available and provided with the TE.

Environmentally controlled enclosures may be designed when the conditions where the TE is to be installed are outside of allowable TR environmental limits (41 °F-95 °F).

3.3. Electrical

TEs are supplied with A/B-redundant single-phase 120 V power, preferably from different sources when available. If a generator-backed source is available, the A leg should be powered from this source.

Provide two branch circuits terminating in L5-30P receptacles preferably mounted in the same junction box at the TE mounting location. The junction box should be located on the wall at the height where the cutout on the rear of the enclosure will be located, preferably flush-mounted. This mounting technique protects the IT equipment from power disruptions that could be caused by having the outlets exterior to the secure equipment perimeter.

TEs shall be supplied with a rack-mounted UPS powered from the A leg source. The UPS shall have L5-30 input/output and have a kW rating of 2,880 W.

TEs shall be supplied with two rack-mounted 1 RU horizontal Rack PDUs with L5-30 inputs and a minimum of 8 each NEMA 5-15R or 5-20R outlets.

TEs shall be supplied with a Rack Bonding Busbar (RBB) mounted in the top rear RU position. This RBB shall be connected to the telecommunications bonding busbar located in the containing space.

The containing space shall provide a telecommunications bonding busbar mounted to the plywood backboard, connected to the building's telecommunications bonding system.

3.4. Mechanical

The limited amount of space for active IT equipment in the TE limits the amount of heat expected to be generated. In typical installations this heat is expected to be limited to approximately 600 W (a typical load for two switches and other small active systems). This heat load is not intended to be rejected by a dedicated cooling system.

120 V fan kits are to be supplied with the TE to remove generated heat. These may be used as exhaust, intake, or both. The fan openings shall be filtered with replaceable filter media to minimize contaminants entering the TE.

3.5. Telecommunications

Provide TEs with fiber distribution cabinets, fiber cassettes, UTP patch panels, horizontal cable management units, and shelves as required for the specific implementation. Typical outfitting requirements are shown in elevation drawings in the templates.

Top and bottom knockouts shall be used for cable/conduit entry. All penetrations must be sealable and sealed against liquids and for dust entry resistance. The use of a knockout kit to create larger penetrations in the TE is acceptable.

All installed cabling and equipment will require labeling compliant with the current version of the Infrastructure Standard for Telecommunications Spaces.

4. Design Application – National Cemetery Administration (NCA)

TEs are specified to support the requirements of National Cemetery Administration (NCA) field facilities. Provide a full-height (26 RU) TE to support the main administration building at each NCA facility and connect each supporting facility requiring telecommunications support to it via outside plant campus fiber backbone as described in the templates. Each of the secondary buildings so connected should receive a half-height (12 RU) TE.

Appendix A: Figures, Tables, and References

A.1 Tables

Table 1: Change Register *10*

A.2 Acronyms

See the comprehensive list of acronyms used in Appendix A of the PG-18-12 Telecommunications Design Guide.

A.3 Change Register

Table 1: Change Register

Date	Description of Change
27 Mar 2025	Minor typographic (spelling) corrections on drawing set

U.S. Department of Veterans Affairs

Office of Information and Technology

TELECOMMUNICATIONS DESIGN GUIDE TEMPLATES
PG-18-12 APPENDIX G
FOR TELECOMMUNICATIONS ENCLOSURES

DEVELOPED BY:
DATA CENTER AND INFRASTRUCTURE ENGINEERING

DEPARTMENT OF VETERANS AFFAIRS

OFFICE OF INFORMATION AND TECHNOLOGY

ENTERPRISE DATA CENTER AND INFRASTRUCTURE ENGINEERING

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JOHN WERNAU, KELLY BATES

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SHEET TITLE

COVER

SHEET: 1 OF 11

LEGEND

ELECTRICAL

- DETAIL NUMBER
- DETAIL NUMBER TYPICAL THROUGHOUT THIS SHEET
- BONDING BUSBAR
- WIRE MESH CABLE TRAY SIZE COMMENSURATE WITH REQUIREMENTS
- ELECTRICAL SERVICE PANEL
- OVERHEAD POWER DROP CORD WITH L21-20 RECEPTACLE
- OVERHEAD POWER DROP CORD WITH L21-30 RECEPTACLE
- POWER JUNCTION BOX FOR 60 A CONNECTION
- POWER BUSWAY TAP WITH SINGLE BREAKER 3 FT DROP CORD WITH L21-20R FOR STANDARD-DENSITY CABINETS
- POWER BUSWAY TAP WITH DUAL BREAKERS AND QTY TWO 3 FT DROP CORDS WITH L21-20R FOR HIGH-DENSITY CABINETS
- TYPICAL UNSWITCHED 110 VOLT, 20 A. DUPLEX CONVENIENCE OUTLET
- MOTION SENSOR LIGHT SWITCH
- CEILING MOUNTED MOTION SENSOR (LOCATIONS AS REQUIRED FOR FULL ROOM COVERAGE)
- PIV ENABLED TWO-FACTOR AUTHENTICATION KEYPAD
- FIXED CAMERA, PAN/TILT/ZOOM, PASSIVE INFRARED CAMERA - DUAL TECHNOLOGY
- LED LIGHTING
- POWER BUSWAY WITH METERED HEADEND FOR A SIDE POWER DISTRIBUTION
- POWER BUSWAY WITH METERED HEADEND FOR B SIDE POWER DISTRIBUTION
- MODULAR UPS CABINET (POWER MODULES, BATTERIES, POWER PANELS)
- EMERGENCY POWER OFF

TELECOMMUNICATIONS

- DETAIL NUMBER
- DETAIL NUMBER TYPICAL THROUGHOUT THIS SHEET
- WIRE MESH CABLE TRAY SIZE COMMENSURATE WITH REQUIREMENTS
- CONDUIT WITH BUSHING FIRESTOP AND INNERDUCT FOR FIBER
- SLEEVE WITH BUSHING FIRESTOP AND INNERDUCT FOR FIBER
- SLEEVE OR CONDUIT WITH BUSHING FIRESTOP AND INNERDUCT FOR FIBER
- TELECOMMUNICATIONS WALL PLATE FOR TWO WORK AREA OUTLETS
- TELECOMMUNICATIONS CHANNEL RACK, 19" RAILS, #12-24 TAPPED EIA HOLE PATTERN, 30 IN. DEEP CHANNEL MINIMUM, 7 FT HIGH, 45 RU, WHITE
- VERTICAL CABLE MANAGER WITH DOOR, 6 IN. WIDE MINIMUM (SIZED TO MEET REQUIREMENT)
- SERVER CABINET, 45 RU, 24 IN. X 48 IN. (NOMINAL), SQUARE PUNCHED RAIL, SINGLE PERFORATED FRONT DOOR, SOLID REAR DOOR (VERTICAL EXHAUST DUCT [VED] IMPLEMENTATION), DOUBLE PERFORATED REAR DOOR (NO VED), TWO-POINT KEYED LOCKS, WHITE, SOLID SIDE PANELS
- TELECOMMUNICATIONS CABINET, 84 IN. HIGH, 44 RU, 24 IN. X 42 IN. (NOMINAL), SQUARE PUNCHED RAIL, SINGLE PERFORATED FRONT DOOR, SOLID REAR DOOR (VERTICAL EXHAUST DUCT [VED] IMPLEMENTATION), DOUBLE PERFORATED REAR DOOR (NO VED), WHITE, SOLID SIDE PANELS, SHOWN WITH TWO 12 IN. VERTICAL CABLE MANAGEMENT SIDECARS (6 IN. VERSIONS AVAILABLE)

ARCHITECTURAL

- 4 FT BY 8 FT AC GRADE ¾ IN. TRADE SIZE PLYWOOD BACKBOARD PAINTED HIGH-GLOSS WHITE WITH TWO COATS OF FIRE RESISTANT PAINT FOR SERVICE PROVIDER / SECURITY / VIDEO / ET CETERA
- 3 FT WIDE, 8 FT HIGH DOOR; DOOR SWING REPRESENTATIVE ONLY
- 6 FT WIDE, 8 FT HIGH DOOR; DOOR SWING REPRESENTATIVE ONLY
- 30 IN. WIDE BY 36 IN. FRONT CLEARANCE REQUIRED AROUND 120/208V ELECTRICAL PANEL BOARDS
- 36 IN. CLEARANCE REQUIRED AROUND FRONT, BACK, AND SIDES OF RACKS AND CABINETS

MECHANICAL

- STANDARD 25% OPEN PERFORATED FLOOR TILE
- GRATE FLOOR TILE
- COLD AISLE CONTAINMENT PVC CURTAIN
- COLD AISLE CONTAINMENT AREA
- COMPUTER ROOM AIR CONDITIONER (CRAC) (SEE COMPUTATIONAL FLUID DYNAMICS REQUIRED FOR SIZING)
- REQUIRED CLEARANCE AROUND CRACS (SIZE VARIES DEPENDING UPON CRAC MANUFACTURER)
- SPLIT PACKAGE AIR CONDITIONER OR EQUIVALENT 24/7 SUPPLY AIR TO REJECT 17,000 BTU/H (5 KW) PER TELECOMMUNICATIONS RACK
- AIR CONDITIONER THERMOSTAT

NOTES

ELECTRICAL

LIGHTING:

1. LED LIGHTING PLACED IN AISLES DIRECTLY IN FRONT OF AND BEHIND CABINET ROWS
2. LIGHTING OPERATED BY MOTION SENSOR PER CABINET ROW OR SECTION
3. 500 LUMENS IN THE HORIZONTAL PLANE AND 200 LUMENS IN THE VERTICAL PLANE REQUIRED MEASURED AT 3 FT AFF IN FRONT OF AND BEHIND EQUIPMENT CABINETS

ZONE PDUs:

THE USE OF zPDUs ARE OPTIONAL. RACKS AND CABINETS MAY BE POWERED DIRECTLY BY L21-20 OUTLETS.

RACK-MOUNT UPSs:

THE USE OF ROOM-LEVEL UPSs ARE AN OPTIONAL ALTERNATIVE TO RACK-MOUNT UPSs.

TELECOMMUNICATIONS

ARCHITECTURAL

FLOOR TO CEILING HEIGHT:

1. TELECOMMUNICATION ROOMS INCLUDING NETWORK SUPPORT CENTERS: MAXIMUM EXTENT POSSIBLE
2. DATA CENTERS EXCLUDING EXTRA SMALL NETWORK SUPPORT CENTERS: MINIMUM 16 FT SLAB TO DECK ABOVE

FLOOR COMPOSITION:

1. ELECTROSTATIC DISCHARGE (ESD) COATING FOR RAISED FLOOR SYSTEMS
   STATIC DISSIPATIVE COATING OR MATERIAL FOR SLAB FLOORS
2. CONCRETE SLAB 5 IN. THICKNESS AT GROUND
3. STEEL DECK AND FILL FOR FLOORS ABOVE GROUND
4. AVOID ACCESS FLOOR PLENUMS FOR AIR DISTRIBUTION PURPOSES

WALLS: FULL HEIGHT TO DECK ABOVE FOR ALL TELECOMMUNICATION SPACES

CEILINGS: NO SUSPENDED CEILINGS ALLOWED

DATA CENTER SIZE ALLOCATION PER CHART BELOW:

DATA CENTER SIZE	SQUARE FOOTAGE	FORM FACTOR
EXTRA SMALL	775 (785)	24 FT X 32.5 FT (20 FT X 39.25 FT)
SMALL	1152	24 FT X 48 FT
MEDIUM	1760	40 FT X 44 FT

CONTACT DATA CENTER AND INFRASTRUCTURE ENGINEERING (OITDATACENTERENGINEERING@VA.GOV) TO DETERMINE WHAT SIZE DATA CENTER IS REQUIRED FOR YOUR FACILITY.

FLOORPLANS ARE NOT TO SCALE (NTS)

DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION

MECHANICAL

CHANGES TO DESIGN WILL REQUIRE A NEW COMPUTATIONAL FLUID DYNAMICS (CFD) ANALYSIS TO BE PERFORMED

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ENTERPRISE DATA CENTER INFRASTRUCTURE COLLABORATION TEAM

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LEGEND

Telecommunications Enclosure Layout Standards	Shell	• NEMA-1 or equivalent • Tempered glass front door • Dust seals and replaceable inlet/outlet vents/airflow openings/fans
	Access	• Cabinet swings open to access rear of installed equipment • Swinging front door to access front of installed equipment • Both sections able to be physically locked
	Racking Rails	EIA-310-D 19" front and rear adjustable rails
	Height	• 12RU (Horizontal Distribution Only) for up to 48 Work Area Outlets (WAOs) • 26RU (Main Distribution Area Function) for up to 96 Work Area Outlets (WAOs)
	Width	24" minimum
	Depth	30" minimum
	Mounting	16" on-center for standard stud construction
Outfitting of TEs	Input Power	A/B redundant L5-30 120V 30A circuits
	UPS	• Rack-mounted 2880VA metered L5-30 input/output • Dual/delta conversion not required • Connected to A-side input power circuit
	Rack Power Distribution	• A/B redundant 1RU horizontal rack-mounted PDUs • L5-30 input, minimum 8 each 5-15R or 5-20R outlets
	Heat Dissipation	120V Fans
	Fiber Backbone	• 1RU fiber distribution cabinet • Flat cabinet authorized
	Horizontal Distribution	• 1RU UTP patch panels • Flat patch panels authorized • Maximum 1 patch panel for 12RU TE, 2 patch panels for 26RU TE
	Network Switches	• Standard 1RU 48-port network switches • Maximum 1 switch for 12RU TE, 2 switches for 26RU TE
	IT Equipment Power Cord Type	• 120V 15A • C13 at IT equipment power supply and NEMA 5-15 at Rack PDU
	IT Equipment Power Cord Color Code	• A-side: Black • B-side: A distinctly different color (white or gray preferred) • Differentiated by source bus (jacket or other marking) • Comply with any established local color schema
	Bonding	Standard equipment and interconnections as per a TR and network channel rack

Electrical Distribution	Distribution Paths	• Two simultaneously active (A/B) distribution from distribution panelboard • UPS on the A side distribution upstream of Power Distribution Unit (PDU).
WAOs*	≤96 WAO	Telecommunications Enclosure (when meeting other TE criteria)
	>96	1-rack TR. See the ISTS and contact DCIE at VAITESEDatacenterEngineering2@va.gov
Busbars	PBB, and SBB	• Provided with holes for use with correctly matched listed lugs and hardware • Copper, or copper alloys having a minimum of 95% conductivity when annealed • As specified by the International Annealed Copper Standard (IACS) • Minimum dimensions of 0.25 in. thick x 4 in. wide and variable in length • Maximum 5.0 Ω to ground system resistance (from any point in the system, including ITequipment chassis)

UPS (in rack/ enclosure)	Mounting	19 in. rack mount
	AC Voltage Input	120V
	Current Input	30 A
	Current Output	30 A
	Output Receptacle	L5-30R
	Input Plug	L5-30P
	Phase Type	Single-phase
	Connectivity	Network interface card required for connection and monitoring by the BAS and set for alarming on certain battery conditions
	Battery Capacity	Sufficient capacity to provide minimum 10 min runtime at current full loading levels
	kW Rating	2.88kW

1 Attributes for Telecommunications Enclosures
NTS

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Primary and Secondary Attributes

SINGLE MODE FIBER OPTIC	PERFORMANCE CATEGORY	(OS1/OS2 TO BE FIELD SELECTABLE)
	PERFORMANCE SPECIFICATIONS	LASER OPTIMIZED 9/125 µM WITH EFFECTIVE MODAL BANDWIDTH OF AT LEAST 850 MHZ·KM AT 1310 NM
	COMBUSTION RATING	• RISER CABLE FOR VERTICAL RUNS THROUGH FLOORS • PLENUM RATED FOR PLENUM SPACES • TIGHT-BUFFERED FOR OS1 • LOOSE-TUBE GEL-FILLED FOR OS2 RISER RATED WHEN USED FOR OSP INDOOR/OUTDOOR TRANSITION • OR AS PER AHJ REQUIREMENT
	JACKET COLOR	YELLOW
	TERMINATION METHOD	FIELD TERMINATED (CONNECTIONS BETWEEN TELECOMMUNICATIONS SPACES)
	MEDIA CONNECTOR	LC ON FRONT OF SPLICE CASSETTES
	STRAND COUNT	• 12 OR 24 PER ASSEMBLY • CONSTRUCTED IN STRAND BUNDLES OF 6 OR 12 FOR COMPATIBILITY WITH SPECIFIED SPLICE CASSETTES
	CABLE LENGTH	CABLES NOT TO EXCEED 6 FT (2 M) OF EXCESS LENGTH ON EACH END
	BUNDLING	DIELECTRIC • TIGHT-BUFFERED – ISP USE • LOOSE-TUBE GEL-FILLED – OSP USE
	POLARITY	• STRAIGHT (OR TYPE A-KEY UP ONE END & KEY DOWN ON THE OTHER) • TYPE B WITH "UNIVERSAL" CASSETTES
FIBER OPTIC DISTRIBUTION CASSETTES	FORM FACTOR	1 RU
	CAPACITY	3-12 CASSETTES
	USER INTERFACES	LC CONNECTORS (6/12 DUPLEX PER CASSETTE)
	BACKBONE INTERFACES	12-STRAND OR 24-STRAND FUSION SPLICED TO SPLICE CASSETTES
	TYPE	OS1/OS2 SINGLE MODE TO MATCH MEDIA

1 Fiber Specifications
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FIBER SPECIFICATIONS

Equipment Labeling	Attachment	Permanent
	Position	• Readily visible • Horizontal orientation where feasible • Top right corner of equipment faceplate where feasible • Shall not interfere with operation of labeled equipment
	Materials	• Appropriate for the installation environment • Durable and permanent • Heat resistant in high-temperature areas
	Coloration	Not specified
Power Distribution Labeling	Label Location	Top right front door, top right back door, top right front inside cabinet, top right back inside cabinet
	Label Location	Both ends of all installed cables and cords
	Coloration	Following local site schema
	Label Location	• Both ends of all installed cords • Within 36 in. of leaving distribution panel enclosure • Within 12 in. of the point-of-use end of conduit
	Coloration	• No enterprise specification is prescribed • Colors shall be used to differentiate electrical bus power sources

UTP Performance Characteristics (Horizontal and First Level Backbone)	Performance Category	Cat 6/6A (10 GbE)
	Conductor Size	22 AWG to 24 AWG
	Termination Method	• Pre-terminated, 8P8C with TIA-568-B termination method preferred, OR • Field-terminated with TIA-568-B termination method where distances cannot be precisely calculated
UTP Patch Panels	Termination Method	Factory pre-terminated
	Performance Category	Cat 6/6A (10 GbE)
	Position Count	24/48
	Form Factor	• 1RU • Flat
	Components	Rear cable manager

1 Labeling and UTP Specifications
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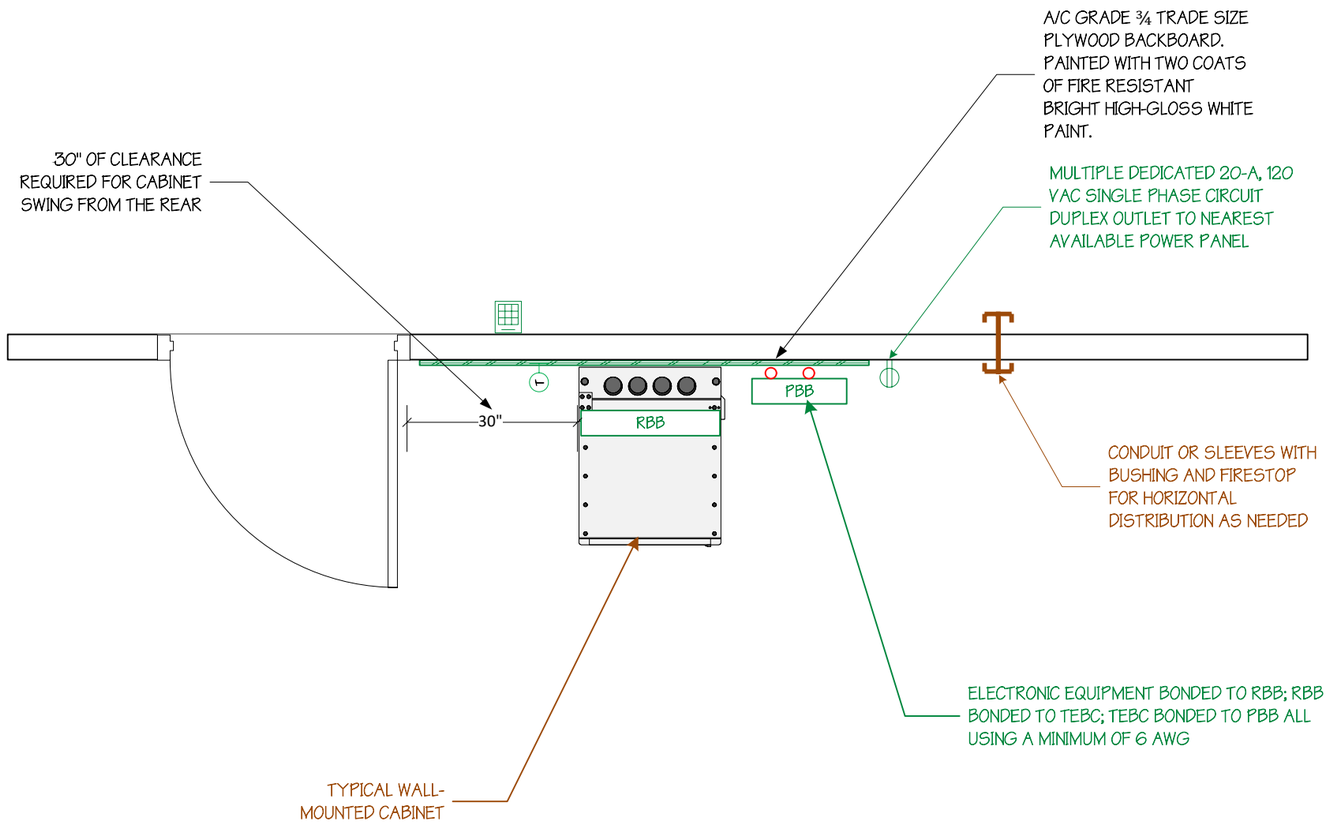
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1 TYPICAL TOP-DOWN VIEW
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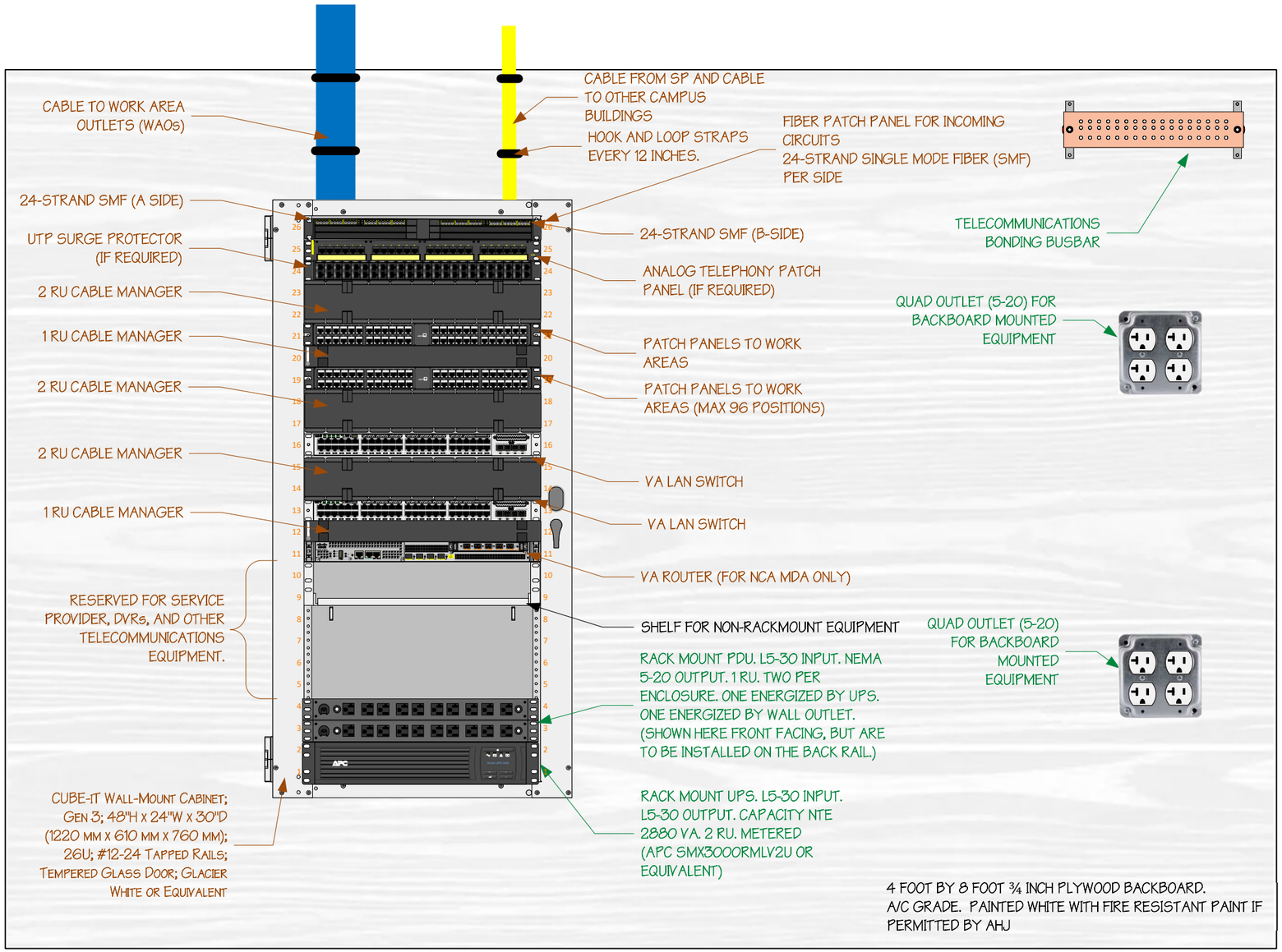
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TOP VIEW - TYPICAL



LOCKING 120 VOLT 30 AMP OUTLETS (L5-30) ON THE WALL BEHIND THE RACK ALIGNED WITH THE CUTOUT ON THE ENCLOSURE. ONE OUTLET ASSIGNED TO PDU. ONE OUTLET ASSIGNED TO UPS. EACH ENERGIZED BY SEPARATE ONE-POLE 30 AMP BREAKERS.



1 ELEVATION FOR 26RU ENCLOSURE
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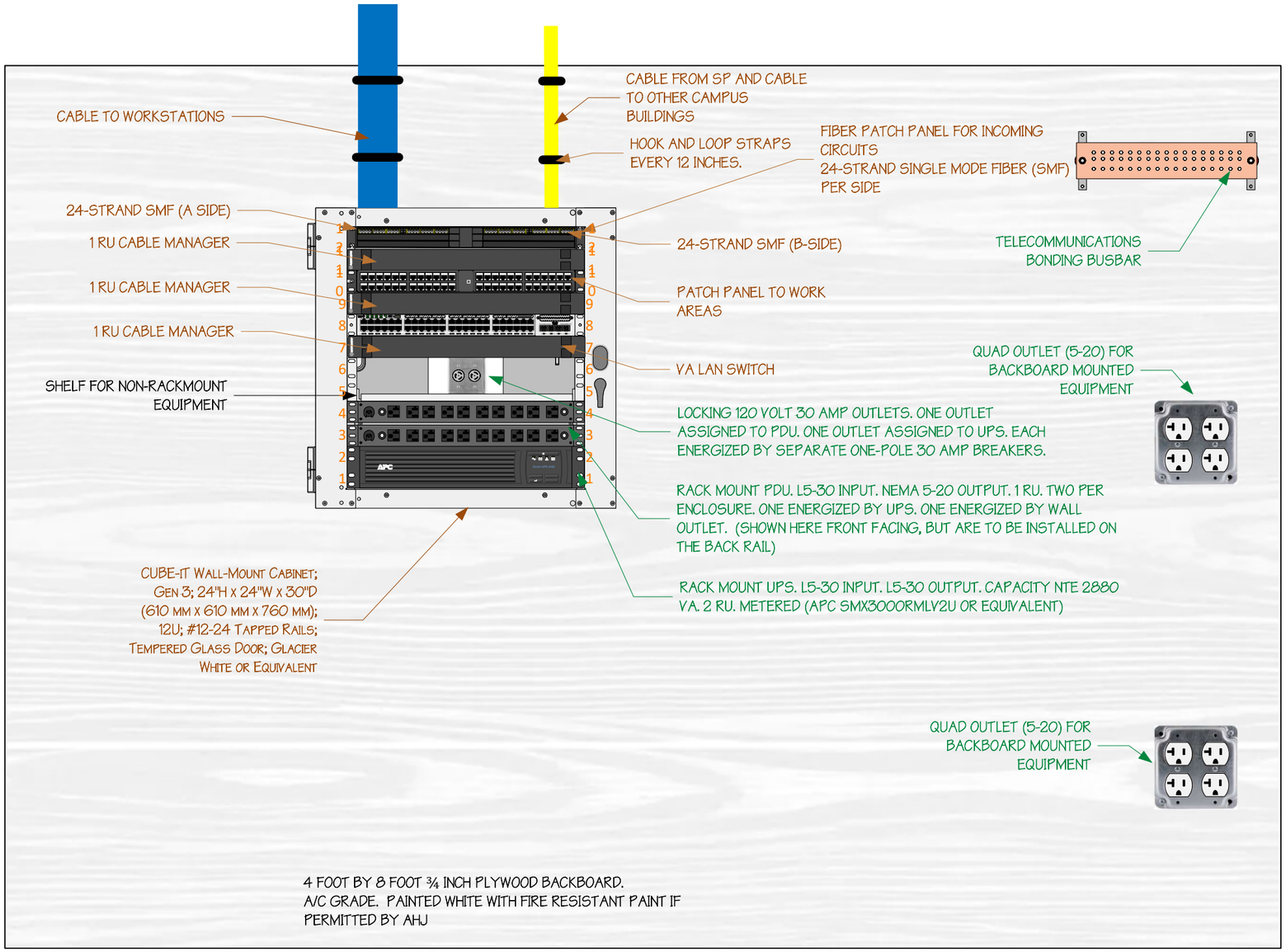
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ELEVATION FOR 26RU ENCLOSURE



1 ELEVATION FOR 12RU ENCLOSURE
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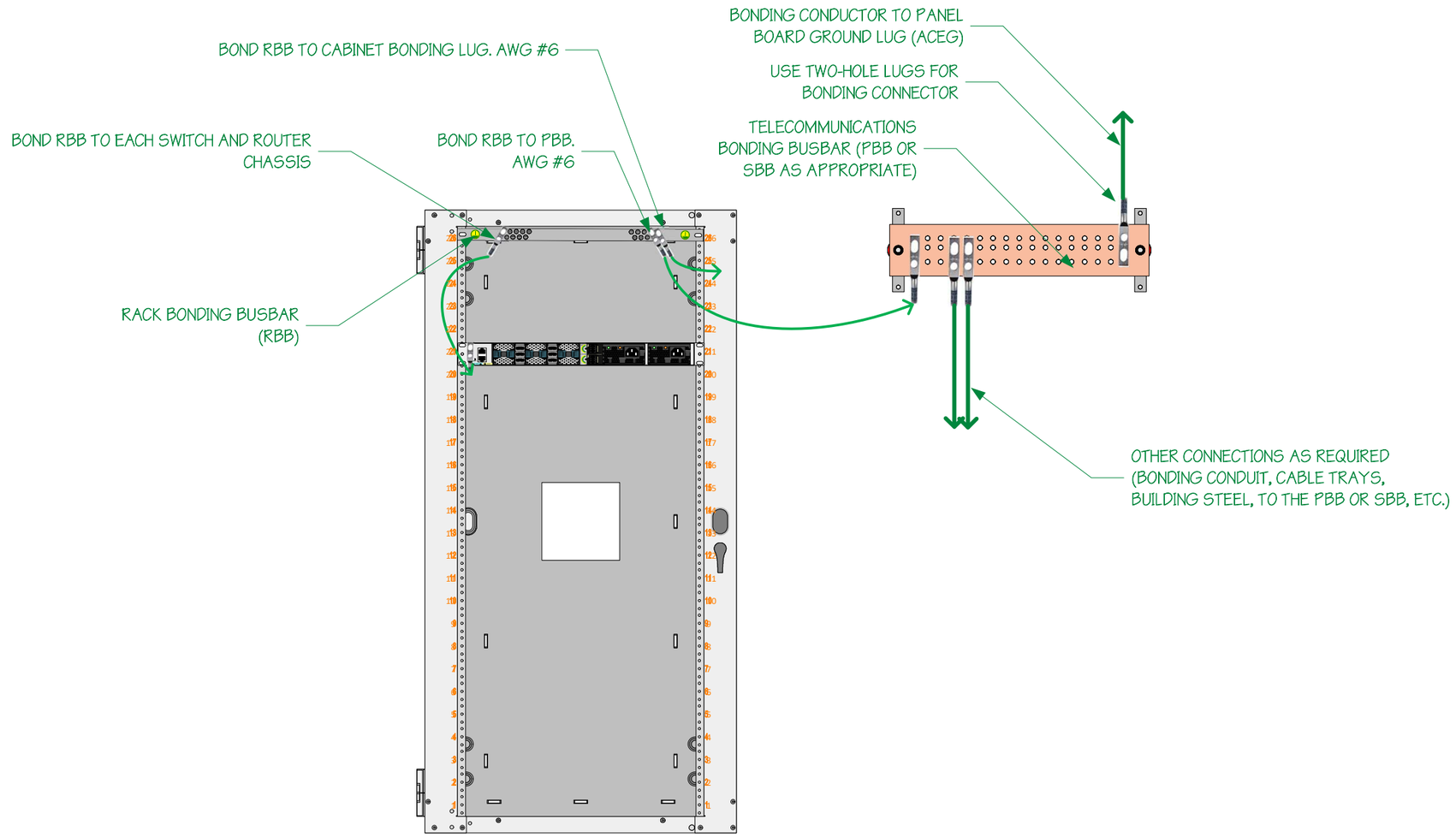
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FILE: PG-18-12 APPENDIX G TELECOMMUNICATIONS ENCLOSURES V1.0.VSDX
DESIGN BY: KEVIN GRZELKA, CTDC
VERIFIED BY: MICHAEL JULIAN, RCDD; JOHN WERNAU, KELLY BATES
DOC VERSION No: 1.0
ISSUE DATE: March 11, 2025

SHEET TITLE
ELEVATION FOR 12RU ENCLOSURES



1 BONDING TOPOLOGY FOR TELECOMMUNICATIONS
NTS

DEPARTMENT OF VETERANS AFFAIRS

OFFICE OF INFORMATION AND TECHNOLOGY

ENTERPRISE DATA CENTER AND INFRASTRUCTURE ENGINEERING

EDICT
ENTERPRISE DATA CENTER INFRASTRUCTURE COLLABORATION TEAM

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SHEET TITLE

BONDING FOR TELECOMMUNICATIONS

SPECIFICATIONS

DESCRIPTION:
WALL-MOUNT ENCLOSURE WITH LOCKABLE FRONT DOOR AND SWING-OUT REAR ACCESS TO EQUIPMENT. TEMPERED GLASS FRONT DOOR.

26RU:
CUBE-IT WALL-MOUNT CABINET; GEN 3; 48"H X 24"W X 30"D (1220 MM X 610 MM X 760 MM); 26U; #12-24 TAPPED RAILS; TEMPERED GLASS DOOR; GLACIER WHITE. 12419-E48 CUBE-IT OR EQUIVALENT

12RU:
CUBE-IT WALL-MOUNT CABINET; GEN 3; 24"H X 24"W X 30"D (610 MM X 610 MM X 760 MM); 12U; #12-24 TAPPED RAILS; TEMPERED GLASS DOOR; GLACIER WHITE. 12419-E24 CUBE-IT OR EQUIVALENT.

USE:
FOR INDOOR USE ONLY, IN ENVIRONMENTALLY CONTROLLED AREAS; MAY NOT BE USED OUTDOORS, IN HARSH ENVIRONMENTS, OR IN AIR-HANDLING SPACES
SIZE:
- HEIGHT: 48" (1220 MM)
- WIDTH: 24" (610 MM); 19" EIA RACK-MOUNT
- DEPTH: 30" (760 MM)

INTERIOR:
- HEIGHT: 26U
- WIDTH: 19" EIA RACK-MOUNT
- THREADED #12-24 EQUIPMENT MOUNTING HOLES
- 19"W, EIA-310-D COMPLIANT
- FAN ASSEMBLIES WITH FILTER KITS

6 SPECIFICATIONS

- RACK MOUNT PDU.
- L5-30 INPUT.
- NEMA 5-20 OUTPUT.
- 1 RU.
- TWO PER ENCLOSURE.
- ONE ENERGIZED BY UPS.
- ONE ENERGIZED BY WALL OUTLET.
- (APC AP9560 OR EQUIVALENT)



4 POWER STRIP (TWO PER CABINET)

Cable Port Brush Kit for CUBE-iT Wall-Mount Cabinet
- Optional cover when rectangular knockout on the rear panel is removed
- Seals opening around cables with brush seal
- Sold in pairs

Part Number	Description	Shipping Weight lb (kg)
25190-000	0.8"H x 10.6"W x 2.9"D (20 mm x 268 mm x 74 mm)	2 (0.9)



3 BRUSH KIT (ONE PER CABINET)

Equipment Mounting Rail Kit for CUBE-iT Wall-Mount Cabinet
- Use with equipment that needs front and rear support
- Sold in pairs
- Aluminum material

Part Number	Description	Shipping Weight lb (kg)
12787-524	12U; For 24"H (610 mm) cabinet	4 (1.8)
12787-536	19U; For 36"H (910 mm) cabinet	6 (2.7)
12787-548	26U; For 48"H (1220 mm) cabinet	8 (3.6)



8 FRONT AND REAR RAIL KIT

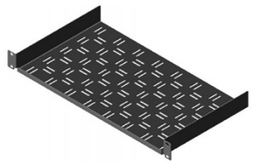
Low-Decibel Dual-Fan and Filter Kit for CUBE-iT Wall-Mount Cabinet
- Pressurizes interior of the cabinet, forcing warm air out of open vents
- Assembly includes 2 fans and 2 filters
- Noise Level: 31 dB (measured at 3' (1 m) distance)
- Recommended placement on bottom right and left sides of the cabinet
- Airflow: 120 CFM (204 CMH)
- 50/16 Hz
- 6'L (1.8 m) NEMA 5-15P/6-15P Power Cord

Part Number	Description	Shipping Weight lb (kg)
40975-001	115 Volt, 5-15P power cord	4 (1.8)
40975-002	230 Volt, 6-15P Power cord	4 (1.8)



7 FAN KIT (ONE PER CABINET)

- FOR USE WITH SMALL EQUIPMENT SUCH AS MODEMS, ROUTERS AND FIBER MODULES IN 19" EIA RACKS
- 1U; INCLUDES MULTIPLES TIE-DOWN POINTS
- SUPPORTS UP TO 20 LB (9.1 KG) OF EQUIPMENT



5 SHELF (TWO PER CABINET)

Vertical Cabling Section for CUBE-iT Wall-Mount Cabinet
- Attaches to the outside edge of equipment mounting rails
- 4U height; openings align with rack-mount unit spaces on equipment mounting rails
- Sold in pairs
- Order additional kits as-needed per cable management requirements

Part Number	Description	Shipping Weight lb (kg)
40970-704	4U, 7"H x 0.5"D (178 mm x 13 mm)	3 (1.4)
40970-707	7U, 12.3"H x 0.5"D (311 mm x 13 mm)	3 (1.4)
40970-711	11U, 19.3"H x 0.5"D (489 mm x 13 mm)	4 (1.8)

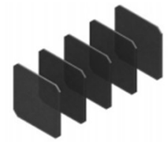
Color is black.



2 VERTICAL CABLE MANAGEMENT (TWO KITS PER 26RU CABINET / ONE KIT PER 12 RU CABINET)

Replacement Filter Kit for CUBE-iT Wall-Mount Cabinet
- Compatible with Low-Decibel Dual-Fan and Standard Fan kits

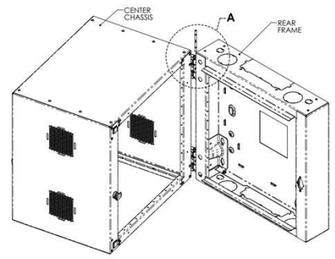
Part Number	Description	Shipping Weight lb (kg)
40973-001	Pack of 5	2 (0.9)



LED Light Kit for CUBE-iT Cabinets
- Attaches to the bottom, top or side of CUBE-iT Cabinets
- Toggle switch, 4W LED light
- Detachable, 120 VAC with NEMA 1-15P Power Cord

Part Number	Description	Shipping Weight lb (kg)
12803-701	LED Light Kit, 4W, 120 Vac	2 (0.9)

9 FAN FILTER KIT AND LIGHT KIT (ONE EACH PER CABINET)



LOAD CAPACITY (per UL2416): 300 lb (163kg)

10 REAR HINGE AND PANEL

Ground Jumpers
- Provide common bonding from equipment rack or cabinet to halo conductor
- Available individually or in packages of 10
- Constructed of UL Listed components

Part Number	Description	Shipping Weight lb (kg)
40159-009	9' (2.7 m) Ground Jumper, 1 Each	2 (0.9)
40159-019	9' (2.7 m) Ground Jumper, 10 Each	20 (1.9)



1 REQUIRED GROUND JUMPERS

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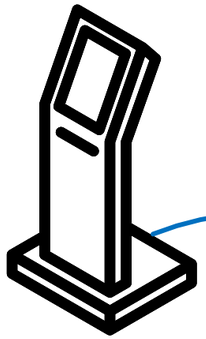
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WALL-MOUNT CABINET SPECS

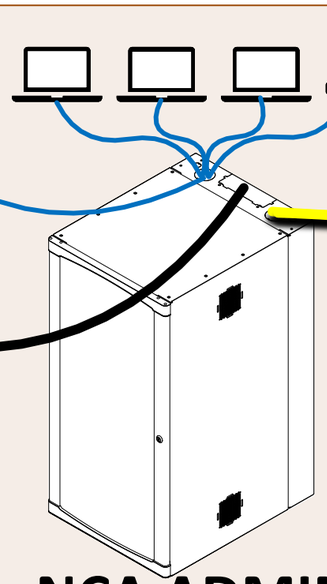


KIOSK

WAN CONNECTION

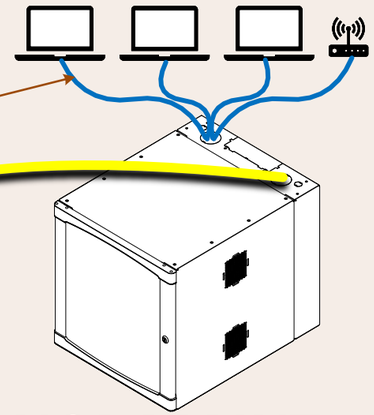
END-USER DEVICES & WAPs (TYP)

CAT 6/6A HORIZONTAL DISTRIBUTION (TYP)

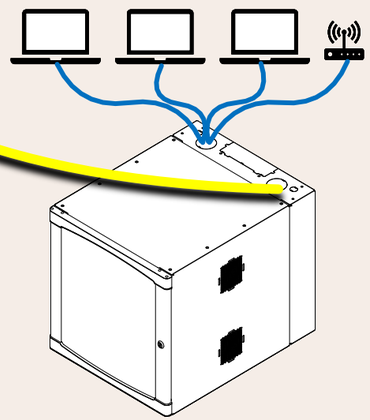


NCA ADMIN BUILDING

OSP FIBER BACKBONE CONNECTIONS (INDOOR/ OUTDOOR OS2)



NCA MAINT BUILDING



NCA FLEET BUILDING

1-96 Supported Work Area Outlets in Building (Two 48-port UTP patch panels): Building Receives a 26U Wall-Mounted Telecommunications Enclosure (TE)

>96 Supported Work Area Outlets in Building: Building Receives an 8'x10' single-rack Telecommunications Room (TR) (w/ Special 120V Distribution) and contact DCIE at vaitesedatacenterengineering2@va.gov and see the ISTS for additional guidance

Secondary buildings should receive smaller 12RU TEs

1 NCA Campus Telecommunications Concept
NTS

Department of Veterans Affairs

Office of Information and Technology

Enterprise Data Center and Infrastructure Engineering

EDICT
Enterprise Data Center Infrastructure Collaboration Team

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TE Design Application for NCA