

Selected Portions of the United States Army Corp of Engineers Sign Standards Manual

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This document is available as publication EP 310-1-6A and EP 310-1-6B (two volumes) and is available at no cost. Contact the USACE via its web site (see section VI.B) to request these documents. Make sure to request all updates when ordering this document, as there have been several updates to the manual.

(Note: Numbers/letters in parentheses indicate the original section in the USACE manual)

A group of recreation area symbols has been created as part of the Corps sign standards system. Most of the symbols were adapted from the National Park Service (NPS) system and refined for greater legibility and clarity of meaning. A number of new symbols have been added to address specific communication needs at Corps projects. These are augmented by 13 transportation related symbols from the system developed by the American Institute of Graphic Arts for the United States Department of Transportation. Together they provide a comprehensive Symbol system for use at Corps projects. Symbols should be used whenever possible.

There are two types of symbols used. Those shown with dark background and white symbol are positive symbols, which are used to indicate the availability of a service, accommodation or activity. The second type is used to indicate a prohibition, such as "No Camping", "No Motor Bikes", etc. In this case, the symbol has a white background and black symbol with a red circle and slash through the form.

Positive symbols are used on Approach Roadway Directional signs (pages 6.8-9) and on Directional signs within projects (pages 8.5-7), and as a discrete identification of a service or activity such as the drinking water symbol placed adjacent to a potable water faucet. They can also be

used on an Area Regulation Slat System sign to emphasize the allowable activities at that facility (pages 8.23-25).

Prohibition symbols are used in two locations, each with a word legend. Upon entering an activity area, they are shown on an Area Regulation sign identifying the 2 to 4 major prohibitions for that area (pages 8.23-29).

Individual Prohibition signs with large symbol and smaller legend are placed at specific areas where the prohibition is applicable (pages 8.16-22). These prohibitions are used judiciously to prevent a proliferation of prohibition signs.

Parking and No Parking signs also use the same graphic format as Prohibition signs. Guidelines for these are provided in Section 9: Traffic Signs. Reproduction art for Parking and No Parking signs is provided in Appendix F, pages F.118-133.

Contained in this section is a full display of both positive and prohibition symbols with guidelines for their use. Reproduction art for each symbol for manufacturing signs is provided in Appendix F.

For symbols or prohibitions not shown in this section, contact the District/Division sign coordinator.

Shown below are illustrations of five ways in which symbols may be used on Identification signs. (For symbol use on Directional signs, see page 8.4.) The elements of each use and their respective sizes are described in the accompanying captions.

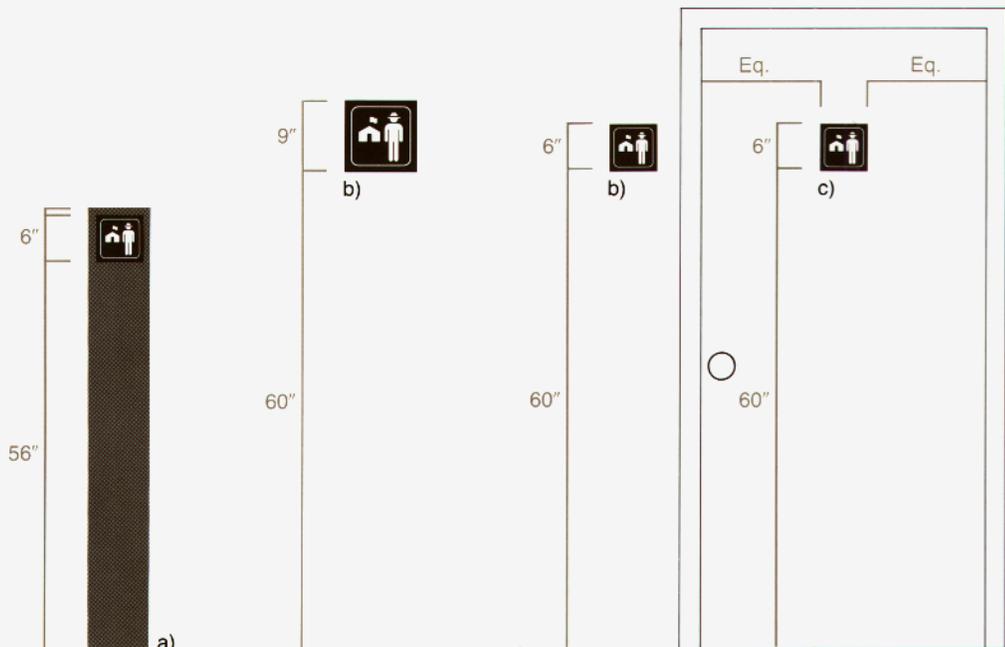
The sign panels are made of reflective sheeting applied to HDO plywood or alumi-

num (wall-mounted applications only). The symbol is cut out of white sheeting, using a thermal die or a computer-aided cutting system, and applied to the background. The background color is Corps Brown; the symbol and outline are white (see page 4.11).

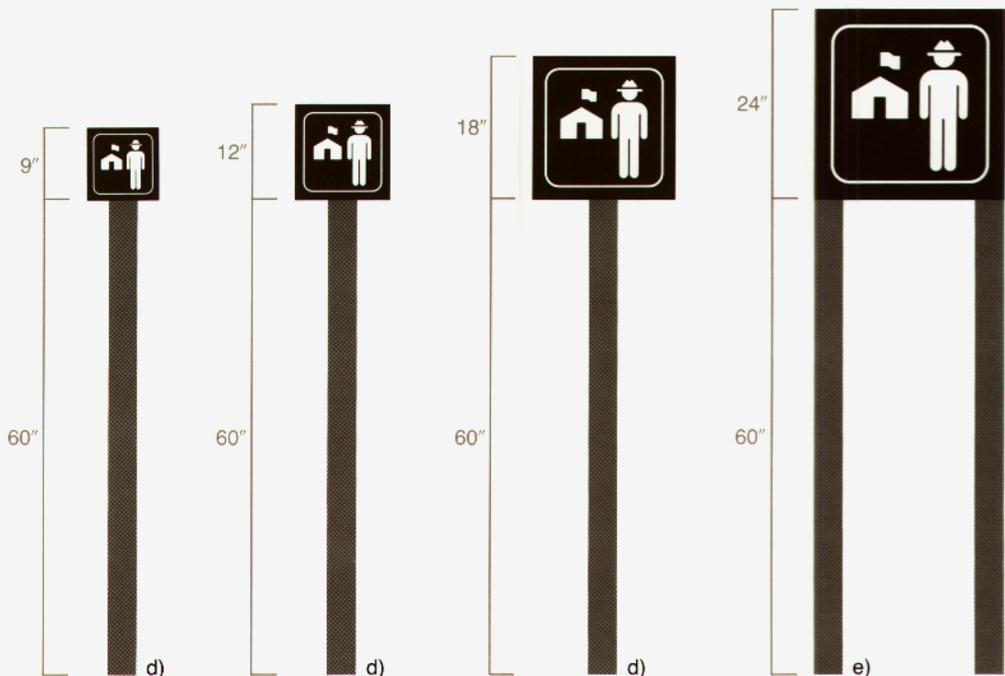
To order symbol signs, the sign type code utilizes the same number for each

symbol as used by the NPS. It is a combination of the prefix "RS" plus the three-number code shown next to each symbol on pages 8.9-15. For example, a boat launch symbol sign would be RS-054; a campground symbol sign would be RS-038.

- a) Post or Bollard Mount: 6" x 6"
- b) Wall Mount: 6" x 6", 9" x 9"
- c) Door Mount: 6" x 6", 9" x 9"
- d) Single Post Mount: 9" x 9", 12" x 12", 18" x 18"
- e) Double Post Mount: 24" x 24"



Use of aluminum for Symbol signs mounted on single posts is dangerous. Use aluminum panels for wall mounted applications only.



Sign Type	Margin Size (M)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
RS-000	.5"	6" x 6"	6" x 6"	HDO-6/ALU-6	36"/60"	BR/WH
RS-000	.75"	9" x 9"	3.5" x 3.5"	HDO-5/ALU-6	60"	BR/WH
RS-000	1"	12" x 12"	3.5" x 3.5"	HDO-5	60"	BR/WH
RS-000	1.5"	18" x 18"	3.5" x 3.5"	HDO-5	60"	BR/WH
RS-000	2"	24" x 24"	3.5" x 3.5"	HDO-3	60"	BR/WH

Imbedment depth for post will vary with location, soil density, and local frost line conditions. Consult a project engineer for proper post imbedment depth.

The panel format for Symbol signs has been standardized to ensure readability and maintain visual consistency. These Symbols have been designed for use without a verbal description. Use a worded sign if the symbol will not easily be understood without a supporting legend.

An individual facility within a project can be identified with a symbol sign or with a

Secondary Identification sign. If the facility does not have a name (i.e., boat launch or ranger station), a Symbol sign is appropriate. If the facility has a name (i.e., Mushroom Picnic Area or Woodrow Wilson Amphitheater), it must use the Secondary Identification sign.

The illustration below shows the layout of a symbol sign panel. The relationships

of symbol, outline, and margin remain constant regardless of overall panel size. The matrix provided on page 8.8 specifies the correct symbol size for each type of application.

The symbol should always be reproduced photographically, as an entire unit, image(s) and outline, using the reproduction art provided in Appendix F.

The symbol sign and outline border are always placed on a square field in the proportions shown in this illustration.

The margin from the symbol outline to the edge of the sign panel is equal to M.

For safety, place a .187" radius on the corners of all single post, ground mounted symbol sign panels.



Use the calculations shown in the adjacent matrix to properly enlarge the symbol sign art provided in Appendix F.

Size: Sign Panel	M	Enlargement from Reproduction Art
6"	.5"	100%
9"	.75"	150%
12"	1"	200%
18"	1.5"	300%
24"	2"	400%

A special panel format is provided to identify activities or accommodations that are accessible to handicapped persons. The panel incorporates the Corps version of the International Symbol of Access. The panel format of the positive symbol with the International Symbol of Access has

been standardized to ensure readability and maintain visual consistency. The illustration below shows the layout of a sign panel which is based on M. Refer to the matrix below to determine M for a given panel width. The relationships of the Symbol of Access to the positive symbol are the same, regardless of size of panel used.

The Symbol of Access is enlarged to equal 5M and centered in the panel, both vertically and horizontally, as shown below. Reproduction art for the International Symbol of Access is provided on page F.139.

The Symbol of Access can be used with any positive Corps Recreation Symbol sign. The most common applications will be with the following symbols: picnic table, campsite, men's room, women's room, restroom, parking, point of interest, and restaurant.

The margin from the symbol outline to the edge of the sign panel is equal to M.

For safety, place a .187" radius on the corners of all single post, ground mounted symbol sign panels.



Sign Type	Margin Size (M)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
AC-000	.5"	6" x 9.5"	4" x 4"	HDO-6/ALU-6	60"	BR/WH
AC-000	.75"	9" x 14.25"	4" x 4"	HDO-5	60"	BR/WH
AC-000	1"	12" x 19"	4" x 4"	HDO-5	60"	BR/WH
AC-000	1.5"	18" x 28.5"	4" x 4"	HDO-5	60"	BR/WH

Use the calculations provided in the adjacent matrix to properly size the Symbol of Access reproduction art provided in Appendix F.

Size: Sign Panel	M	Size: Symbol of Access	Reduction Enlargement
6" x 9.5"	.5"	2.5"	41.6%
9" x 14.25"	.75"	3.75"	62.5%
12" x 19"	1"	5"	83.3%
18" x 28.5"	1.5"	7.5"	125.0%

Within the boundaries of a Corps project, the use of symbols on Directional signs is encouraged. The symbols displayed on pages 8.9-15 contain almost all of the possible destinations. If no symbol exists for a particular destination or piece of information, a worded sign must be used. Words and symbols should never be combined on a Project Roadway Directional sign.

Symbols may be used singly, or grouped two, three or four to a sign. The illustrations below and on the next page show the layouts of these signs. Single-sign panels with more than one arrow or directional instruction are not used. A separate sign is used for each arrow and symbol group.

All arrows are centered vertically and horizontally in the panel below the sym-

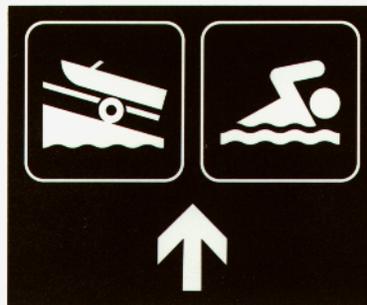
bols as shown.

The sign panels are made of reflective sheeting applied to HDO plywood. The symbol is cut out of white sheeting, using a thermal die or a computer-aided cutting system, and applied to the base. The background color is Corps Brown; the symbol, outline, and arrow are white.

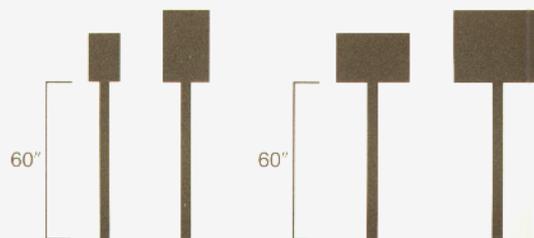
Refer to the symbol size matrix on page 8.8 to specify the appropriate panel size.



Sign Type	Margin Size (M)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
DRSS-1	.5"	6" x 9.5"	4" x 4"	HDO-5	60"	BR/WH
DRSS-1	.75"	9" x 14.25"	4" x 4"	HDO-5	60"	BR/WH
DRSS-1	1"	12" x 19"	4" x 4"	HDO-5	60"	BR/WH
DRSS-1	1.5"	18" x 28.5"	4" x 4"	HDO-5	60"	BR/WH
DRSS-1	2"	24" x 38"	4" x 4"	HDO-5	60"	BR/WH



Sign Type	Margin Size (M)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
DRSS-2	.5"	11.5" x 9.5"	4" x 4"	HDO-5	60"	BR/WH
DRSS-2	.75"	17.25" x 14.25"	4" x 4"	HDO-5	60"	BR/WH
DRSS-2	1"	23" x 19"	4" x 4"	HDO-5	60"	BR/WH
DRSS-2	1.5"	34.5" x 28.5"	4" x 4"	HDO-5	60"	BR/WH
DRSS-2	2"	46" x 38"	4" x 4"	HDO-3	60"	BR/WH



Shown below are Directional signs with arrows in a grouping of three and four symbols. Directional signs with one symbol and two symbols are shown on the preceding page. The sign panel format for preparing directional signs with arrows is shown on page 8.7.

Refer to the symbol size matrix on page 8.8 to specify the appropriate panel size.

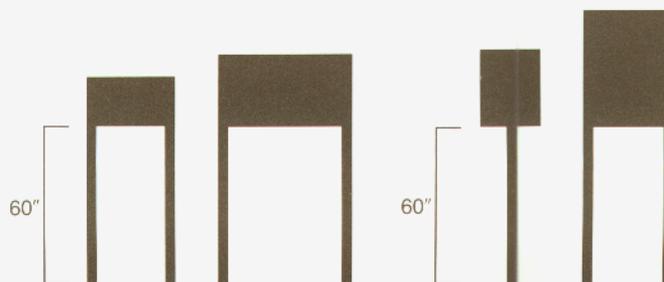


Sign Type	Margin Size (M)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
DRSS-3	.5"	17" x 9.5"	4" x 4"	HDO-5	60"	BR/WH
DRSS-3	.75"	25.5" x 14.25"	4" x 4"	HDO-5	60"	BR/WH
DRSS-3	1"	34" x 19"	4" x 4"	HDO-3	60"	BR/WH
DRSS-3	1.5"	51" x 21.5"	4" x 4"	HDO-3	60"	BR/WH
DRSS-3	2"	68" x 38"*	4" x 4"	HDO-3	60"	BR/WH

*Specify panel with 1.125" HDO plywood. All others use .75" material.



Sign Type	Margin Size (M)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
DRSS-4	.5"	11.5" x 15"	4" x 4"	HDO-5	60"	BR/WH
DRSS-4	.75"	17.25" x 22.5"	4" x 4"	HDO-5	60"	BR/WH
DRSS-4	1"	23" x 30"	4" x 4"	HDO-5	60"	BR/WH
DRSS-4	1.5"	34.5" x 45"	4" x 4"	HDO-3	60"	BR/WH



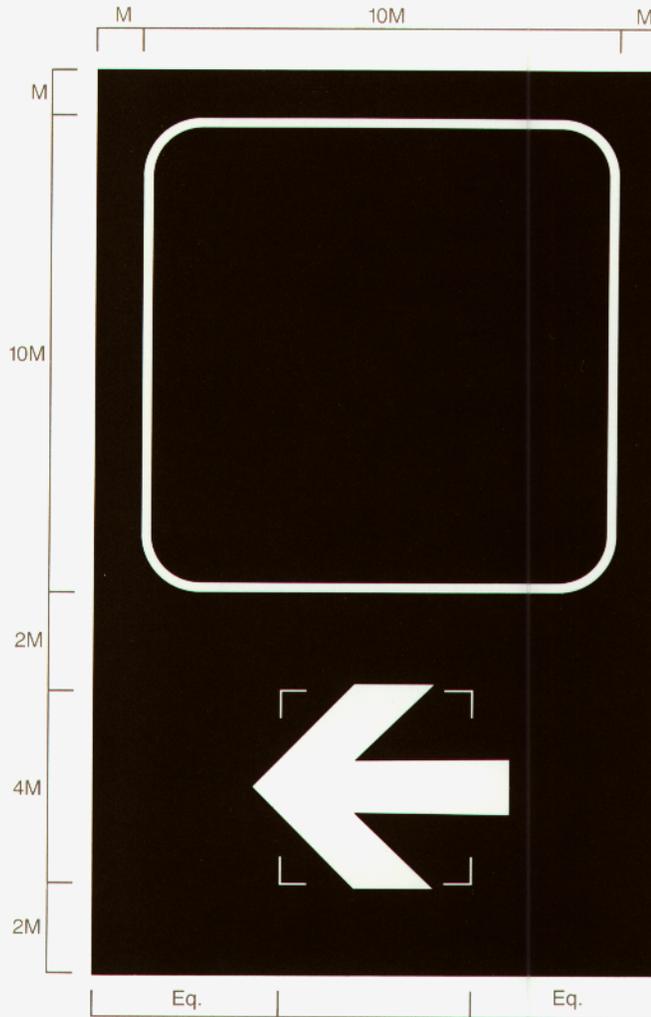
The panel format of directional signs with symbols has been standardized to ensure readability and maintain visual consistency. The illustration below shows the elements of a symbol directional panel. All dimensions are based on the size of the margin, M. The relationships shown are the same, regardless of which

symbol sizes are used. When placing two or more symbols on a panel, use the alignment line (inside crops) on the art as described on page 8.30. The border area between two symbols should be equal to the top and side border of the assembly. This directional panel utilizes a Helvetica Bold arrow that is centered both vertically and horizontally on the panel as shown.

Place only one directional arrow on a sign panel. Use a separate sign panel for each different direction.

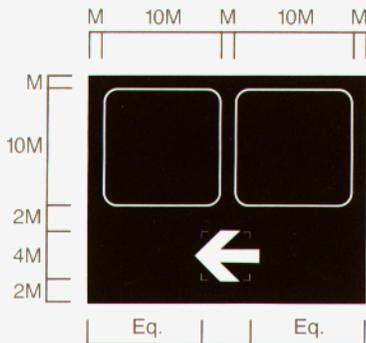
The symbols should always be reproduced photographically using the reproduction art provided in Appendix F.

Layout grid for symbol directional signs

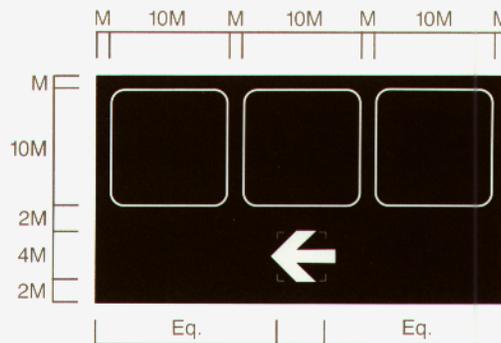


One symbol

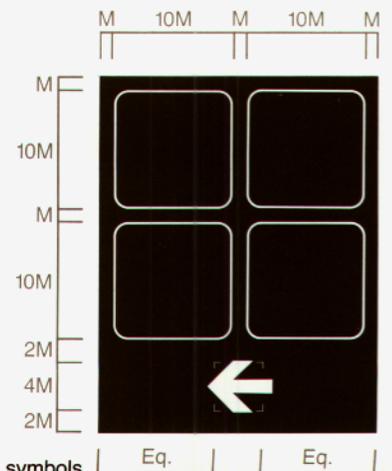
Arrow shown for placement only



Two symbols



Three symbols

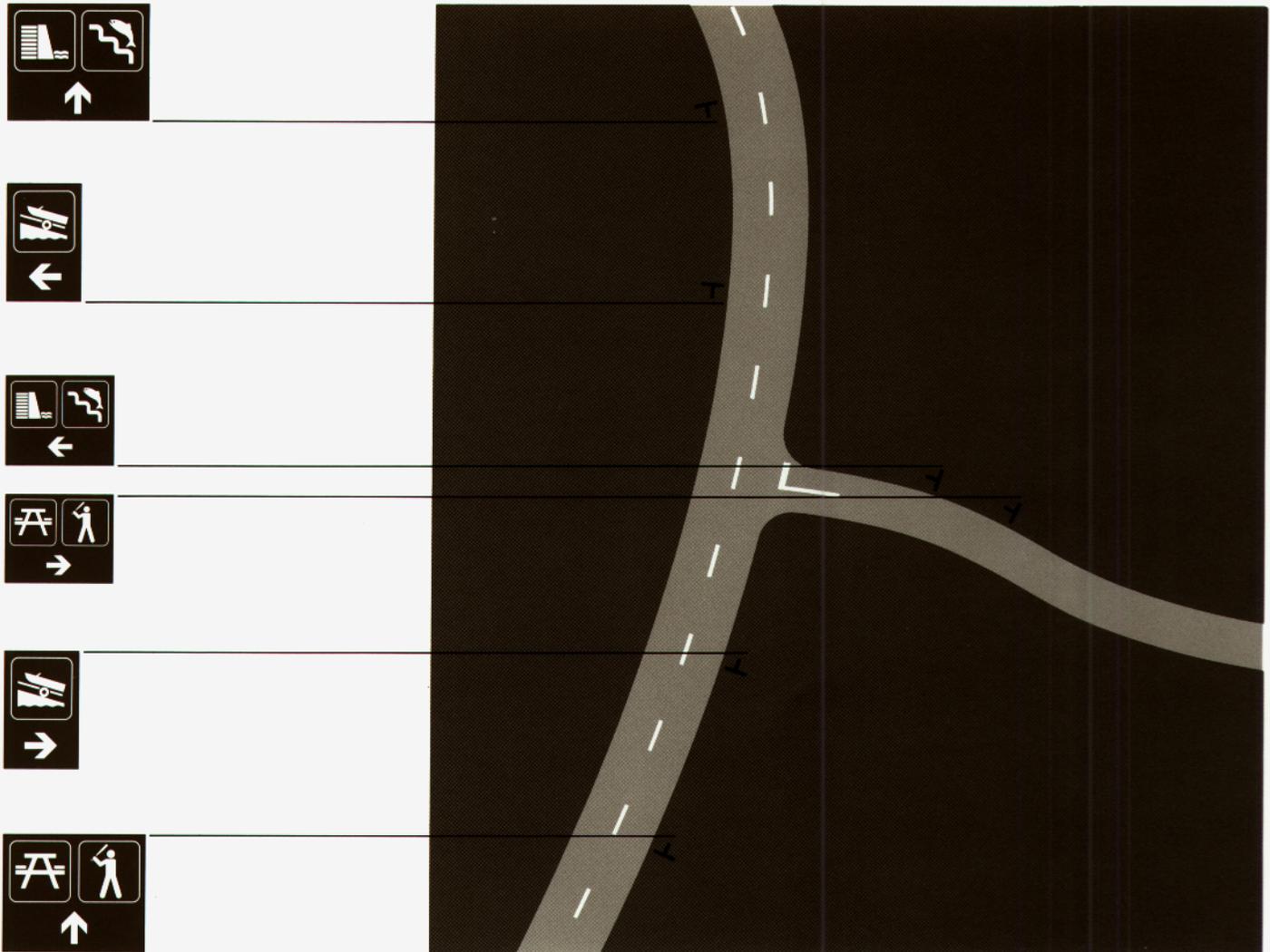


Four symbols

Symbols viewed from vehicular traffic are sized to accommodate the approach speed. Symbols placed on trails, structures, and facilities are sized based on the distance from which they are viewed. Refer to the chart below for the symbol sizes appropriate for different vehicular approach

speeds and for pedestrians. In locating Directional Symbol signs, the most important factor to take into account is reaction time. On faster roads (over 45 mph), the 24" symbol sign should be placed at a minimum of 350 feet in advance of an intersection. For slower roads, the 18" or 12" symbol sign should be placed at

225 feet in advance of the intersection. On pedestrian paths, visibility, not reaction time, is the major consideration for symbol placement and sizing.



For placement on conventional roads, the symbols should be sized in accordance to the Federal Highway Administration's functional classification of roadways as shown. Symbols placed on trails, structures, and facilities should be sized for their appropriateness to the surroundings using the guidelines provided in the adjacent matrix.

Symbol Size	Placement Location
24" x 24"	Roadway: more than 45 mph
18" x 18"	Roadway: 30 mph to 45 mph
18" x 18"/12" x 12"*	Roadway: less than 30 mph
12" x 12"/9" x 9"***	Trails: Pedestrian, equestrian, bicycle, off-road vehicle, motorized vehicles
6" x 6" or 9" x 9"	Structures, facilities, and bollards; interior and exterior

*18" x 18" when used singly or in pairs, 12" x 12" when used in assembly of three or more.

**12" x 12" when used singly or in pairs, 9" x 9" when used in assembly of three or more.

Shown below and on the following six pages are the recreation symbol signs available for use on Corps projects. They are grouped into four divisions: General, Accommodations and Services; Land Recreation; Water Recreation; and Winter Recreation. Noted with an asterisk are the

13 symbols originally developed for the United States Department of Transportation by the American Institute of Graphic Arts.

The symbols are used exactly as shown: white image and holding line (outline) on a Corps Brown background (page 4.11). Do not use the symbol in reverse (brown image on a white background). To use a

symbol as a prohibition, refer to pages 8.16-21. Reproduction art for all symbols will be found in Appendix F, pages F.2-84.

Reproduction art for the symbols shown below is provided on pages F.2-13.

General, Accommodations and Services

Bus Stop
RS-031*



Falling Rocks
RS-008



Automobiles
RS-003



Parking
RS-034*
Refer to Section 9 for a complete display of Parking and No Parking signs.



Trucks
RS-004



Dam
RS-009



Vehicle Ferry
RS-033



Lighthouse
RS-007



Gas Station
RS-032



Lookout Tower
RS-006



Tunnel
RS-005



Viewing Area
RS-036



Reproduction art for the symbols shown below is provided on pages F.14-25.

General, Accommodations and Services (cont'd)

Point of Interest
RS-080



Women's Restroom
RS-023*



Environmental Study
Area RS-076



Showers
RS-035



Deer Viewing Area
RS-011



Laundry
RS-085



Rattlesnake
RS-099



Litter Receptacle
RS-086*



Men's Restroom
RS-021*



Trash Dumpster
RS-091



Restrooms
RS-022*



Handicapped
RS-028
(International Symbol of Access)



Reproduction art for the symbols shown below is provided on page F.26-37.

General, Accommodations and Services (cont'd)

Pedestrian Crossing
RS-016



Lodging
RS-018



Smoking
RS-002*



Information
RS-014*



Fire Extinguisher
RS-090*



Ranger Station
RS-015



First Aid
RS-024*



Amphitheater
RS-070



Telephone
RS-025*



Kennel
RS-045



Post Office
RS-026*



Pets on Leash
Permitted
RS-017



Reproduction art for the symbols shown below is provided on pages F.38-49.

General, Accommodations and Services (cont'd)

Restaurant (Food Service) RS-019*



Picnic Shelter RS-039



Snack Bar RS-102



Sleeping Shelter RS-037



Grocery Store RS-020



Campground RS-038



Drinking Water RS-013



Trailer Sites RS-040



Picnic Site RS-044



Trailer Sanitary Station RS-041



Trail Shelter RS-043



Campfires Permitted RS-042



Reproduction art for the symbols shown below is provided on pages F.50-60.

Land Recreation

Playground
RS-069



Horse Trail
RS-064



Baseball
RS-096



Bicycle Trail
RS-066



Exercise Fitness
Area
RS-097



Motor Bike Trail
RS-065



Skateboard
RS-098



All-Terrain Vehicle
Trail
RS-095



Hunting
RS-072



Off-Road
Vehicle Trail
RS-067



Hiking Trail
RS-068



Reproduction art for the symbols shown below is provided on pages F.61-72.

Water Recreation

Marina
RS-053



Tour Boat
RS-087



Boat Ramp
RS-054



Lifejackets
RS-094



Sailing
RS-056



Waterskiing
RS-058



Motorboating
RS-055



Scuba Diving
RS-060



Rowboating
RS-057



Swimming
RS-061



Canoeing
RS-079



Diving
RS-062



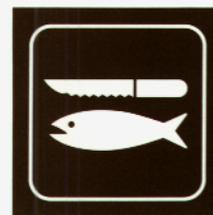
Reproduction art for the symbols shown below is provided on pages F.73-84.

Water Recreation (cont'd)

Wading
RS-088



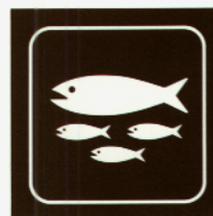
Fish Cleaning
RS-093



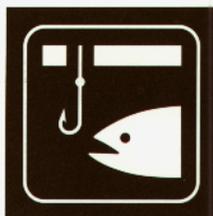
Fishing
RS-063



Fish Hatchery
RS-010



Ice Fishing
RS-092



Fish Ladder
RS-089



Winter Recreation

Winter Recreation Area
RS-077



Cross Country Skiing
RS-046



Snow-Shoeing
RS-078



Sledding
RS-049



Snowmobiling
RS-052



Ice Skating
RS-050



Prohibition Symbol sign panels are used to identify specific restrictions. They are placed in close proximity to the area where the rule is applicable.

Prohibitions will always be used with an explanatory message. This message reinforces the impact of the sign and clarifies its meaning for enforcement purposes. The typography is Helvetica Bold, upper

and lower case, initial capital letters only, following Corps typographic standards.

Shown below are illustrations of Prohibition sign use. The elements of each use and their respective sizes are described in the accompanying captions. Prohibitions are placed individually on panels as shown. Do not place more than one prohibition symbol on a sign panel.

To order symbol signs, the sign type code utilizes the same number for each symbol as used by the NPS. It is a combination of the prefix "PS" plus the three-number code shown next to each symbol on pages 19-22. For example, "No Smoking" would be PS-002; "No Scuba Diving" would be PS-060.

Panel heights vary according to grid used. Refer to Grid A on page 8.17, and Grids B and C on page 8.18, for specific panel heights.



- a) Single Post Mount: 9", 12", 18"
- b) Double Post Mount: 24"

The panel format of prohibition symbols has been standardized to ensure readability and maintain visual consistency. Because the length and configuration of the legends vary, there are three grid formats to accommodate the type. In all three grid formats, the relationship of the symbol, circle, and slash to the panel is the same. The difference is in the number

and placement of legend lines, and the corresponding panel heights.

All prohibition signs—symbol, circle, slash, and legend—are to be produced photographically using the art provided in Appendix F, pages F.85-117.

Grid Format A, for one-line legends, is shown below. Two-line legends use either Grid Format B or C, shown on page 8.18.



Grid Format A: Single-line legend.
Legend is centered in panel.

Matrix: Format A

Panel dimensions for prohibition symbols have not been rounded off to the nearest .125" because the art (including the crop marks) is sized photographically and not measured.

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
PS-000	.75"	9" x 11"	4" x 4"	HDO-5	60"	WH/BK-RD
PS-000	1"	12" x 14.66"	4" x 4"	HDO-5	60"	WH/BK-RD
PS-000	1.5"	18" x 22"	4" x 4"	HDO-5	60"	WH/BK-RD
PS-000	2"	24" x 29.32"	4" x 4"	HDO-3	60"	WH/BK-RD

The sign panels are made of reflective sheeting applied to HDO plywood. The images and type most often will be screen-printed on the reflective sheeting. In some cases, the type, symbol, circle, and slash will be cut out of black and red

sheeting, using a thermal die or a computer-aided cutting system, and applied to the base sheeting. The panel holding line must always be screen-printed. The background color is white, the symbol and panel holding line are black, and the circle and slash are red (see page 4.12).

Regardless of the grid format used or legend size, the relationship of the type size to symbol size is always the same.

Grid formats B and C, for two-line legends, are shown below.



Grid Format B: Two-line legend. The two lines are aligned flush left, and then the longer line is centered on the panel.



Grid Format C: Two-line legend with the word "No" alone on the first line. The first legend line is closer to the circle than in Grid Format B, to compensate for the empty space after the word "No".

Matrix: Format B

Panel dimensions for prohibition symbols have not been rounded off to the nearest .125" because the art (including the crop marks) is sized photographically and not measured.

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
PS-000	.75"	9" x 11.93"	4" x 4"	HDO-5	60"	WH/BK-RD
PS-000	1"	12" x 15.91"	4" x 4"	HDO-5	60"	WH/BK-RD
PS-000	1.5"	18" x 23.865"	4" x 4"	HDO-5	60"	WH/BK-RD
PS-000	2"	24" x 31.82"	4" x 4"	HDO-3	60"	WH/BK-RD

Matrix: Format C

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
PS-000	.75"	9" x 12.12"	4" x 4"	HDO-5	60"	WH/BK-RD
PS-000	1"	12" x 16.16"	4" x 4"	HDO-5	60"	WH/BK-RD
PS-000	1.5"	18" x 24.24"	4" x 4"	HDO-5	60"	WH/BK-RD
PS-000	2"	24" x 32.32"	4" x 4"	HDO-3	60"	WH/BK-RD

Shown below and on the following three pages are prohibition symbols available for use on Corps projects. They are grouped into the same four categories as the symbols on pages 8.9-15: General, Accommodations and Services; Land

Recreation; Water Recreation; and Winter Recreation. Noted with an asterisk are those symbols originally developed for the U.S. Department of Transportation by the American Institute of Graphic Arts and made part of the Corps system.

These prohibitions are used exactly as shown: black image, white background,

with a red circle and slash. Do not use the symbols in this display for reproduction purposes. Reproduction art for prohibition sign panels is provided in Appendix F, pages F.85-117.

General, Accommodations and Services

No Motor Vehicles
PS-003



No Smoking
PS-002



No Trucks
PS-004



No Bottles or Cans
PS-101



No Recreation Vehicles
PS-040



No Food or Drinks
PS-102



No Parking
PS-034
Refer to Section 9 for a complete display of Parking and No Parking signs.



No Alcoholic Beverages
PS-100



No Crossing
PS-016



No Drinking
PS-013



Reproduction art for the Prohibition sign panels shown below is provided on pages F.95-104.

General, Accommodations and Services (cont'd)

No Pets
PS-017



No Fires
PS-042



No Firearms
PS-001



No Radios
PS-103



Land Recreation

No Skateboards
PS-097



No Bicycles
PS-066



No Hunting
PS-072



No Motor Bikes
PS-065



No Horses
PS-064



No All-Terrain Vehicles
PS-094



Reproduction art for the Prohibition sign panels shown below is provided on pages F.105-113.

Land Recreation (cont'd)

No Off-Road Vehicles
PS-067



No Camping
PS-038



Water Recreation

No Motorboats
PS-055



No Diving
PS-062



No Waterskiing
PS-058



No Wading
PS-088



No Scuba Diving
PS-060



No Fishing
PS-063



No Swimming
PS-061



No Ice Fishing
PS-092



Reproduction art for the Prohibition sign panels shown below is provided on pages F.114-117.

Water Recreation (cont'd)

No Fish Cleaning
PS-093



Winter Recreation

No Snowmobiles
PS-052



No Skating
PS-050



No Sledding
PS-049



To reduce the proliferation of signs in and around a Corps facility, a system of grouping prohibitions on a single sign, as shown below, has been developed. Each prohibition is contained on its own panel or slat. Two, three or four slats are grouped together into a single sign. A display of the prohibition slats are shown on pages 8.26-29. A limited group of positive symbols may

be used in conjunction with the prohibitions. A display of these symbols, along with the appropriate text, is shown on page 8.25. Reproduction art for both positive and prohibition symbols in provided in Appendix F (see list on page 8.8a)

This Slat System sign is placed in a highly visible location to maximize the number of visitors who will read it. At a

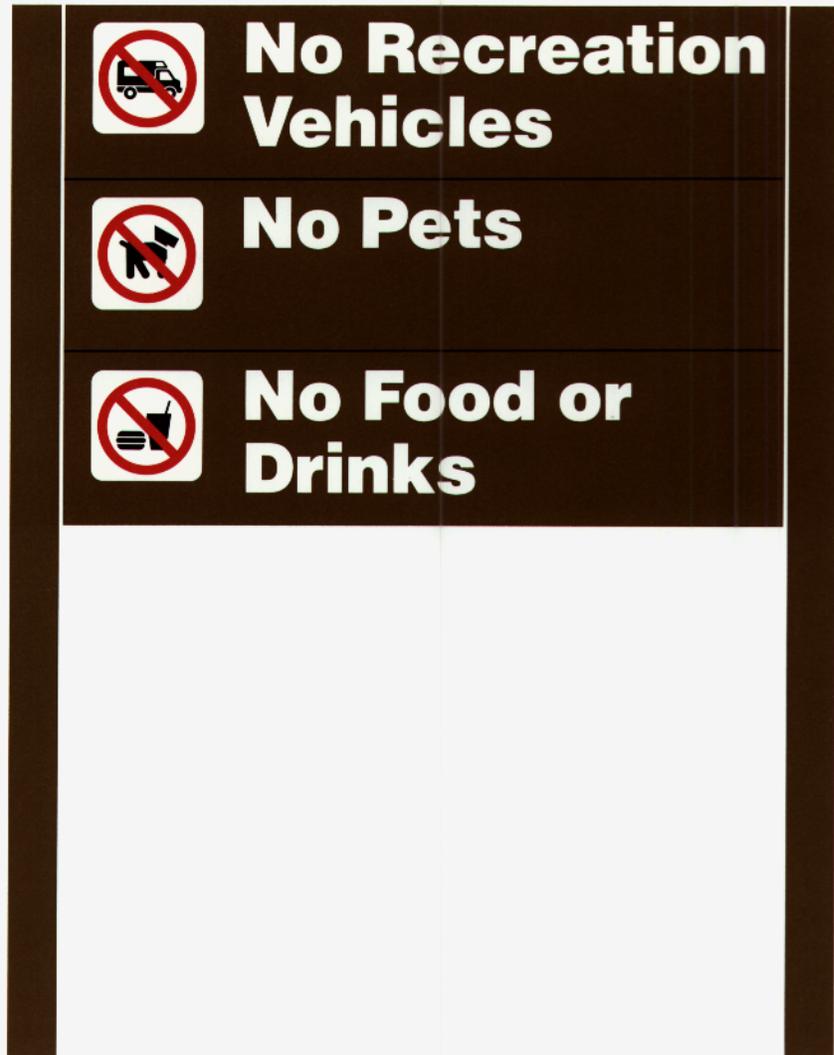
campground, this would be at the entrance station or at the entrance to a facility within the project. At a beach, it might be next to the path leading to the beach from the parking lot. The precise location will depend on the layout of a facility. It should not be placed where it needs to be read from a rapidly moving vehicle.

Sign Panel: Composed of two to four individual slats. Layout of each slat based on grid. Length of panel based on A.

Typography: All legends to be Helvetica Bold, upper and lower case, aligned flush left on the grid. Letter- and word-spacing to follow Corps standards in Section 4.

Color: Corps Brown background with white typography. See color standards on page 4.11.

Post: Slat are mounted between the posts.

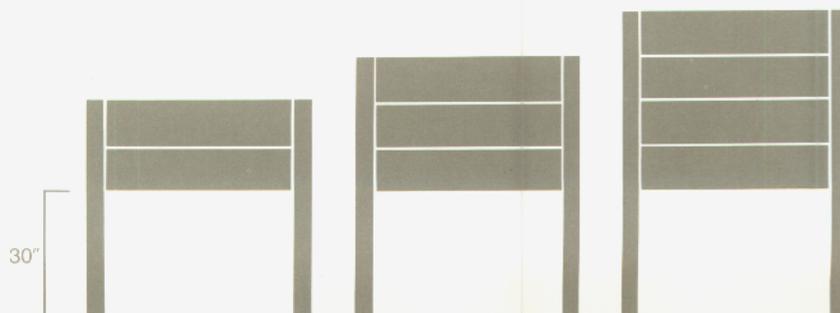


When ordering slats, specify the legend for each slat by name, as shown on pages 8.25-8.29, with each corresponding symbol designated by alphanumeric identifier (RS-067 or PS-067).

Sign Type	Legend Size (A)	Panel Size	Post Size	Specification Code	Mounting Height	Color Bkg/Lgd
SLAT-0	3"	43.5" x 10.5"	4" x 4"	HDO-9	30"	BR/WH
SLAT-0	4"	58" x 14"	4" x 6"	HDO-9	30"	BR/WH

The Slat System sign is designed for use with a minimum of two (SLAT-2), three (SLAT-3) and up to a maximum of four slats (SLAT-4). Place only the most important area regulations on this type of sign.

Individual replacement slats are ordered using sign type code (SLAT-1) with post assembly (HDO-9) deleted.

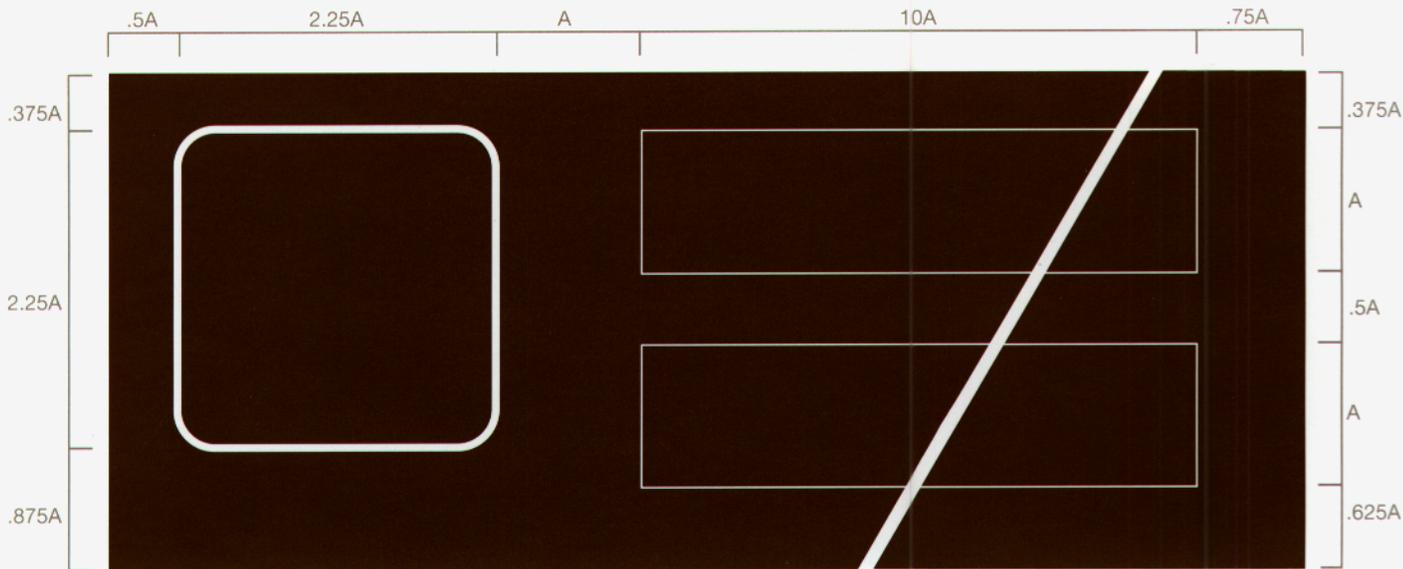


The layout of an individual slat is shown in the grid below. All dimensions are based on the size of the legend A. The relationship of the type to the symbol is the same, regardless of which of the two possible legend sizes are used. The circle and slash graphic is placed in a cen-

tered position within the square space with radius corners shown on the left of the panel. The black borders shown on individual Prohibition Symbol signs are deleted from Slat System signs.

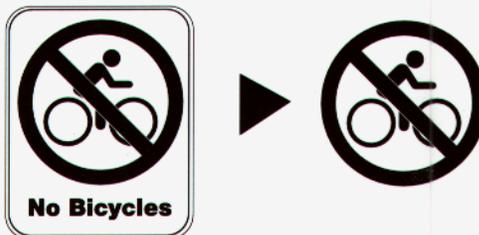
Both positive and prohibition symbols are to be reproduced photographically using the reproduction art provided in Appendix F.

When placing a positive symbol on a slat panel, the symbol is to be sized to the outside of and including the outline placed around the symbol.



Preparing artwork for Prohibition Slats:

Step 1: Take the appropriate Prohibition symbol from Appendix F and reproduce circle, slash and image at 100%.



Step 2: Place circle, slash and image in the Slat Sign Window, provided on page F.148. Easy alignment can be obtained by using a light box and placing the Prohibition symbol on top of the non-reproducible blue circle and slash in the window.



Step 3: Reproduce the composite artwork to the size needed, defined by your legend size (A). If A=3" the window dimension will be a 6.75" (3" x 2.25A); when A=4" the window will be 9" (4" x 2.25A).



Shown below are the positive legends available for use on the slats. The first two legends can only be used with the symbols shown. The other three legends can be used with more than one symbol; the options are listed next to each display. Reproduction art for the symbols shown below is provided in Appendix F, pages F.2-84.

USCG Approved Only
SS-094



**USCG
Approved Only**

Pets on Leash
SS-017



Pets on Leash

Use Waste Receptacles
SS-086



**Use Waste
Receptacles**

On Paved Roads Only
This legend can be used with any
of the following symbols:
SS-003, 034, 040, 065



**On Paved
Roads Only**

On Roadways Only
This legend can be used with any
of the following symbols:
SS-003, 034, 052, 065, 067, 095



**On Roadways
Only**

Designated Areas Only
This legend can be used with any
of the following symbols:
SS-002, 003, 004, 016, 017, 034,
038, 040, 042, 044, 050, 052, 058,
061, 063, 065, 067, 072, 095, 098



**Designated
Areas Only**

Shown below and on the following four pages are the prohibitions and legends available for use on the slats. These prohibitions are to be used exactly as shown: Corps Brown panel background, white typography and symbol background, black symbol with a red circle and slash (see page 4.12). The slats shown below may be fabricated with a 3" legend (10.5" x 45")

for viewing by pedestrians or slow moving vehicles or with a 4" legend (14" x 60"). The larger Slat System sign is intended for placement at the entrance of a facility for viewing from entering vehicles. Reproduction art for the symbols shown on the slats below is provided in Appendix F, pages F.85-95.

No Motor Vehicles
SS-003



No Trucks
SS-004



No Recreation Vehicles
SS-040



No Smoking
SS-002



No Bottles or Cans
SS-101



No Food or Drink
SS-102



No Alcoholic Beverages
SS-100

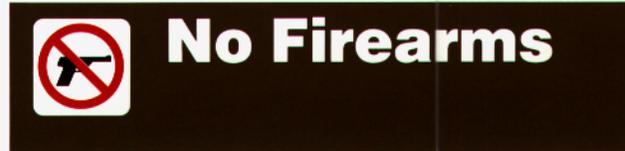


No Pets
SS-017



Reproduction art for the prohibition symbols on the slats below is provided in Appendix F, pages F.96-103.

No Firearms
SS-001



No Skateboards
SS-097



No Hunting
SS-072



No Horses
SS-064



No Fires
SS-042



No Radios
SS-103



No Bicycles
SS-066



No Motor Bikes
SS-065



Reproduction art for the prohibition symbols on the slats below is provided in Appendix F, pages F.104-112.

No All-Terrain Vehicles
SS-094



**No All-Terrain
Vehicles**

No Off-Road Vehicles
SS-064



**No Off-Road
Vehicles**

No Motor Boats
SS-055



**No
Motor Boats**

No Waterskiing
SS-058



**No
Water Skiing**

No Scuba Diving
SS-060



**No
Scuba Diving**

No Swimming
SS-061



No Swimming

No Wading
SS-088



No Wading

No Fishing
SS-063



No Fishing

Reproduction art for the prohibition symbols on the slats below is provided in Appendix F, pages F.113-117.

No Ice Fishing
SS-092



No Fish Cleaning
SS-093



No Snowmobiles
SS-052



No Sledding
SS-049



No Skating
SS-050



Appendix F of the manual contains high quality reproduction artwork for Corps recreation symbols, prohibition symbols, and other graphics placed on signs. Below are some notes to remember when fabricating signs from this artwork.

Reproduce this art for signs using a distortion-free photo mechanical process. Do not re-size the art by hand. Enlarge or

reduce the symbol and border as a complete unit. Do not change the configuration of the graphic or reassemble as parts.

To maintain edge sharpness and clarity of detail, use only original first generation artwork provided in appendix F for reproduction.



a) Crop lines: After reproduction the symbol has to be trimmed to actual size, using croplines to delete the waste area.

b) Alignment lines: For preparing directional signs with multiple symbols. Adjacent symbols must abut vertically and horizontally by overlapping alignment lines of each symbol.

Color Schedule

Corps brown	Background of panel
White	Image and borderline

Recreation symbols are to be reproduced in negative as shown



a) Crop Marks: For alignment only, does not indicate the outside edge of panel. Panel shape is indicated with black line.

b) Mounting hole: Location for attachment to surface.

Note: Thin white lines separating the slash from the figure are only for convenience in making the color separations. The black plate (figure) should be extended to butt against the slash in the final print.

Color Schedule

Red	Circle and slash
White	Background of panel
Black	Image, Legend and borderline