MEASURING CLEAR WIDTH AT HINGED DOORS

DOORS AT PUBLIC AND COMMON USE SPACE MAY BE EQUIPPED WITH PANIC HARDWARE

MINIMUM FOR ACCESSIBLE DOORS, NOMINAL FOR USUABLE DOORS

USE OF SWING-CLEAR HINGES

INSTALLATION OF SWING-CLEAR HINGES IS A MODIFICATION THAT INCREASES A 32" DOORWAY OPENING TO APPROXIMATELY 34"

BASED ON A. D. A. A. G. DESIGN STANDARDS
CLEAR WIDTH AT SLIDING/POCKET DOOR

ACCESSIBLE SLIDING DOORS MUST, AND USABLE SLIDING DOORS SHOULD, STOP FULLY OPEN WITH THEIR HANDLES EXPOSED.

THE 2'-8" OPENING IS A MINIMUM FOR ACCESSIBLE DOORS, NOMINAL FOR USABLE DOORS.

BASED ON A. N. S. I. DESIGN STANDARDS – SEE ALSO ADAAG PAGE 37 – 39 ILLUSTRATIONS
CLEAR WIDTH 4" ACCORDION-FOLD DOOR

MINIMUM FOR ACCESSIBLE DOORS, NOMINAL FOR USABLE DOORS.

BASED ON A. N. S. I. DESIGN STANDARDS – SEE ALSO ADAAG PAGE 37 – 39 ILLUSTRATIONS 4, 13
CLEAR WIDTH AT BI-FOLD DOOR

A 3' – 0" DOOR IS THE NARROWEST BI-FOLD DOOR THAT CAN BE INSTALLED AND STILL PROVIDE THE ACCESSIBLE MINIMUM 32" CLEAR OPENING

32" NOMINAL CLEAR SPACE WHEN DOOR IS OPEN

BASED ON A. N. S. I. DESIGN STANDARDS – SEE ALSO ADAAG PAGE 37 – 39
MINIMUM WIDTH OF ACCESSIBLE ROUTE

HALL WIDTHS MUST BE AT LEAST 36" WIDE TO ALLOW A PERSON TO MAKE A 90 DEGREE TURN INTO OR OUT OF A 32" DOOR OPENING

WIDER HALL WIDTHS ARE PREFERRED ESPECIALLY AT LONG HALLS TO INCREASE EASE OF USE AND TO REDUCE DAMAGE TO DOOR FRAMES AND WALLS CAUSED BY THE BUMPING AND SCRAPING OF WHEELCHAIRS FOOT RESTS AND HANDRIMS

BASED ON A. N. S. I. DESIGN STANDARDS – SEE ALSO ADAAG 4.3
MINIMUM/maximum heights of accessible controls

All covered switches, outlets and controls operated on a frequent basis must be in accessible locations.

Light, fan and thermostat controls must be no more than 48" above the finished floor through the center of the upper-most usable portion of the control.

30" x 48" clear floor space perpendicular to the wall for a forward reach to controls.

Outlets must be no less than 15" above the finished floor through the center of the lower-most usable portion of the control.

Based on A. N. S. I. design standards.
Reinforcing for Grab Bars at Toilets

KS-07

BASING ON A. N. S. I. DESIGN STANDARDS – SEE ALSO ADAAG 4.22, 4.23, 4.24 AND 4.25
Reinforcing for Grab Bars at Toilets

KS-08

Reinforcing beside toilet shorter because door is located on same wall.

Even in short walls reinforcing must be at least 24" long.

Elongated reinforcing for possible addition of folding grab bars.

GRAB BAR SIDE OF TOILET WITH RECOMMENDED 42" LONG REINFORCING

TOILET PLACEMENT AT ADJOINING WALLS AND FIXTURES

Based on A. N. S. I. Design Standards – See also ADAAG 4.23 and 4.24

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Based on A. N. S. I. Design Standards – See also ADAAG 4.23 and 4.24
Reinforcing for Grab Bars at Toilets

Based on A. N. S. I. Design Standards – See also ADAAG 4.23, 4.25 and 4.26
Reinforcing for Grab Bars at Conventional Bathtubs

Reinforced areas required by the guidelines at conventional bathtubs.

Based on A. N. S. I. design standards – see also ADAAG 4.20
MINIMUM REINFORCING FOR GRAB BARS IN SHOWERS

BASED ON A. N. S. I. DESIGN STANDARDS – SEE ALSO ADAAG 4.21.4
REINFORCING FOR OPTIONAL SEAT WHEN SHOWER IS ONLY BATHING FIXTURE IN COVERED DWELLING UNIT

OPTIONAL HAND-HELD SHOWER

17” - 19” TYPICAL SEAT HEIGHT AS SPECIFIED IN ANSI

REQUIRED REINFORCING WHEN SHOWER IS ONLY BATHING FIXTURE

BASED ON A. N. S. I. DESIGN STANDARDS – SEE ALSO ADAAG 4.21
32" x 48" SHOWER

BASED ON A. N. S. I. DESIGN STANDARDS
WHEELCHAIR USER MUST LEAVE KITCHEN TO TURN AROUND

40" MINIMUM CLEARANCE BETWEEN ALL COUNTERS, BASE CABINETS, APPLIANCES AND WALLS

BASED ON A. N. S. I. DESIGN STANDARDS
40" MUST BE MAINTAINED BETWEEN ISLAND AND ALL OPPOSING FEATURES

BASED ON A. N. S. I. DESIGN STANDARDS
Based on A. N. S. I. Design Standards

U-Shaped Kitchen

KS-16
U-Shaped Kitchen

SINK AND DISHWASHER AT BOTTOM OF U-SHAPED KITCHEN

BASED ON A. N. S. I. DESIGN STANDARDS
Cooktop with Knee Space Below

Walls and floor of knee space must be finished to match

Based on A. N. S. I. Design Standards
Knee space at sink with wrapped pipes

Based on A. N. S. I. Design Standards
36" TO BOTTOM OF SINGLE WALL-MOUNTED OVEN
34" RECOMMENDED REACH TO CONTROLS

BASED ON A. N. S. I. DESIGN STANDARDS
STACKED WASHER/DRYER UNIT WITH DRYER AND ALL CONTROLS WITHIN REACH RANGE OF SEATED USER

BASED ON A. N. S. I. DESIGN STANDARDS

Washer/Dryer Access
(A)
FRONT APPROACHES – SWINGING DOORS
NOTE: ALL DOORS IN ALCOVES SHALL COMPLY WITH CLEARANCES FOR FRONT APPROACHES

BASED ON A. D. A. A. G. DESIGN STANDARDS
Maneuvering Clearances at Swing Doors

Based on A.D.A.A.G. Design Standards

KS-23
Maneuvering Clearances at Swing Doors

KS-24

BAS ED ON A. D. A. A. G. DESIGN STANDARDS

LATCH SIDE APPROACHES – SWINGING DOORS
NOTE: ALL DOORS IN ALCOVES SHALL COMPLY
WITH CLEARANCES FOR FRONT APPROACHES

NOTE: Y = 54" MINIMUM IF DOOR HAS CLOSER

NOTE: Y = 48" MINIMUM IF DOOR HAS CLOSER
Two Hinged Doors in Series

Based on A.D.A.A.G. Design Standards
**Wall Types**

<table>
<thead>
<tr>
<th>REF.</th>
<th>DESIGN NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM</td>
<td>BASED ON</td>
<td>WB-2HR (WP-360)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5/8&quot; (15.9 mm) FIRE-SHIELD WALLBOARD BASE LAYER APPLIED VERTICALLY, NAILED 24&quot; O.C. (610 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FACE LAYER 5/8&quot; (15.9 mm) FIRE-SHIELD WALLBOARD APPLIED HORIZONTALLY, NAILED 8&quot; O.C. (203 mm)</td>
</tr>
<tr>
<td>GA</td>
<td>WP 3820</td>
<td>DOUBLE ROW OF 2 X 4 (51 mm X 102 mm) WOOD STUDS 16&quot; O.C. (406 mm) ON SEPARATE PLATES, SOUND RATING WITH 3½&quot; MINERAL WOOL OR GLASS FIBER IN CAVITY</td>
</tr>
</tbody>
</table>

*Based on A. N. S. I. Design Standards*
FOR SIGN USING COMPANY LOGOS, CONTACT KHRC FOR JPEG/TIFF VERSION OF THE KHRC LOGO