ADA – BASIC CONSTRUCTION DRAWINGS

ADA/Handicapped Toilet Room #1

ADA/Handicapped Toilet Room #2

Handicapped Accessible Toilet Room Clearances

ADA Lavatory Clearances

ADA/Handicapped Parking Space (Vans)

ADA Ramp Option #1

ADA Ramp Option #2

ADA Ramp Option #3

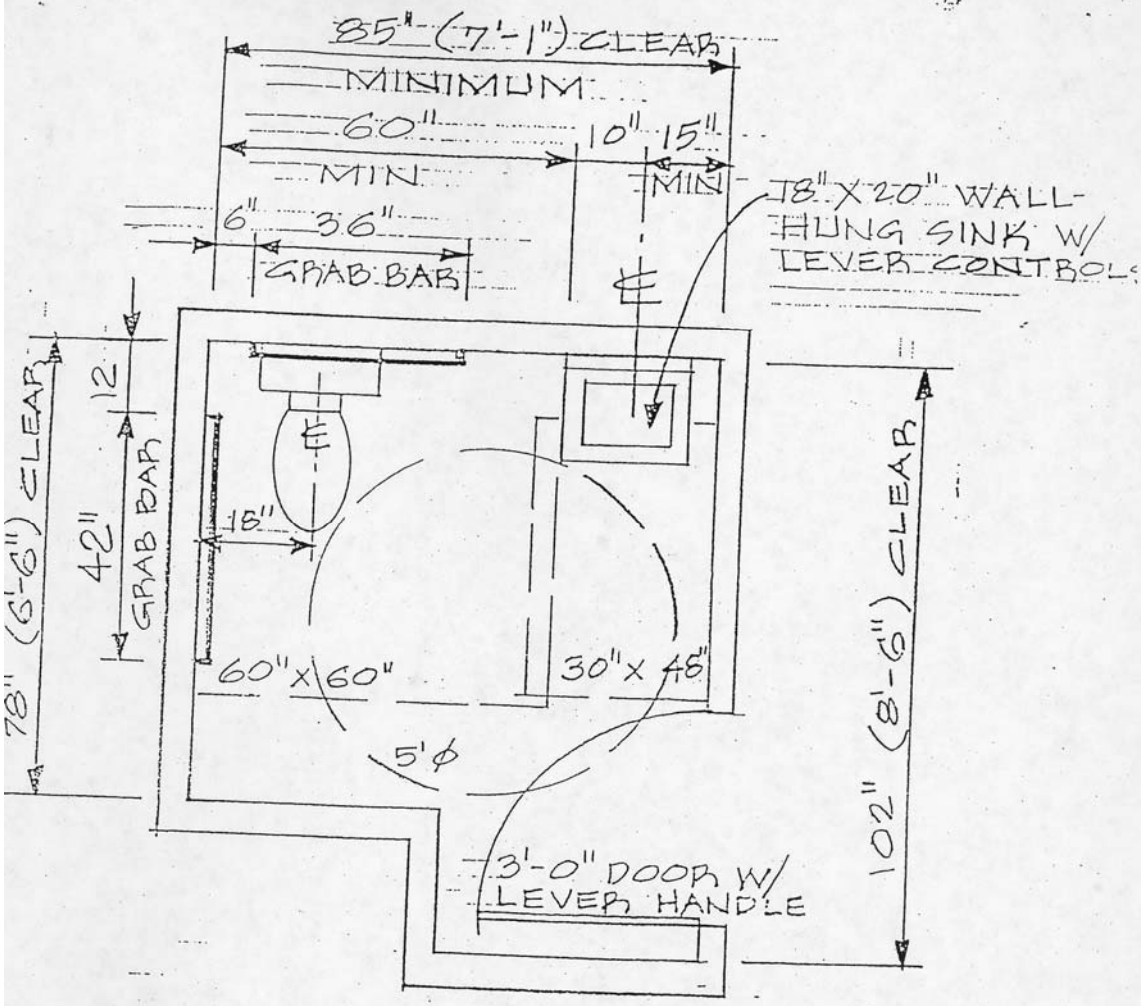
ADA Ramp Typical Elevation

ADA Ramp Handrail Detail

Stair Dimension Criteria

Stair & Ground Construction

The Egress Window



SAMPLE LAYOUT #2

FOR SINGLE USER TOILET ROOM

PER ADA (4.22.2) DOORS SHALL NOT SWING OVER THE CLEAR FLOOR SPACE REQ'D FOR ANY PLUMBING FIXTURE

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4.17 Toilet Stalls

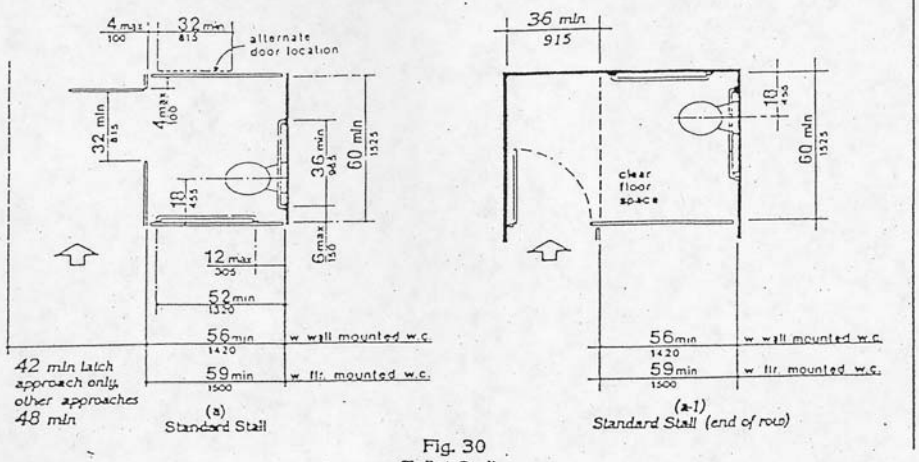


Fig. 30
Toilet Stalls

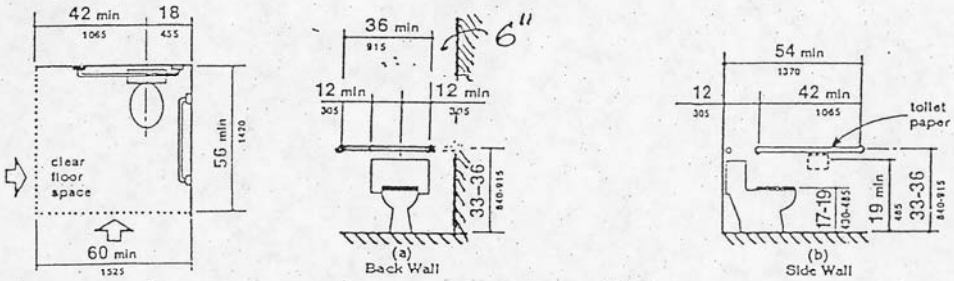


Fig. 29
Grab Bars at Water Closets

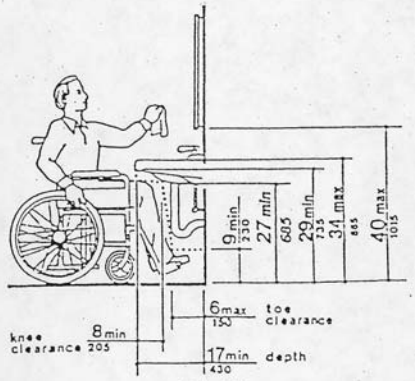


Fig. 31
Lavatory Clearances

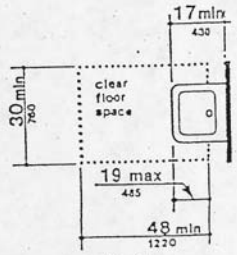
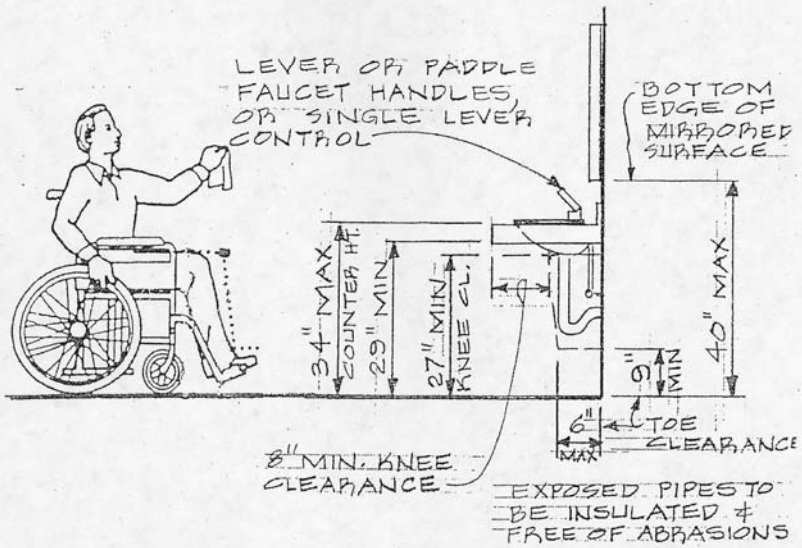
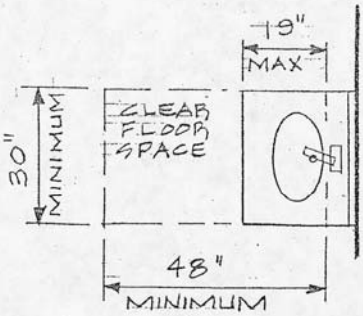


Fig. 32
Clear Floor Space at Lavatories

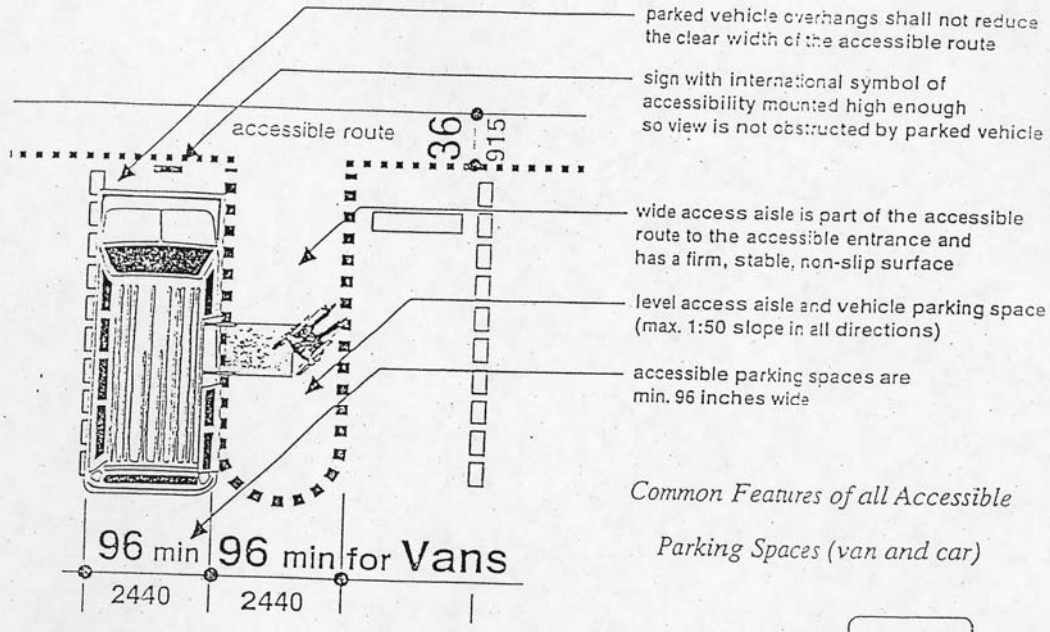


LAV IN COUNTER CLEARANCES



CLEAR FLOOR SPACE AT LAV

- the access aisle must be part of an accessible route to a facility or building entrance(s), and
- a sign that complies with 4.6.4 of the Standards must be mounted in front of where the vehicle parks to designate the accessible parking space.

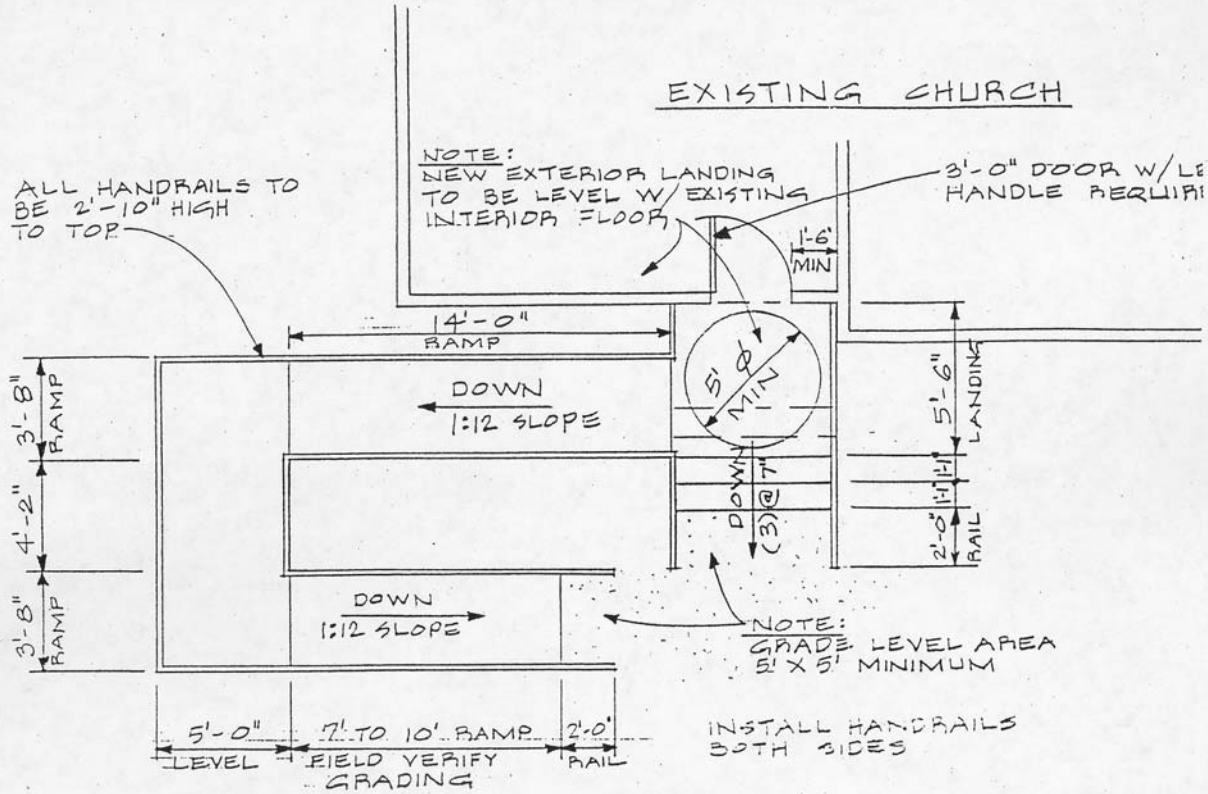


Common Features of all Accessible Parking Spaces (van and car)

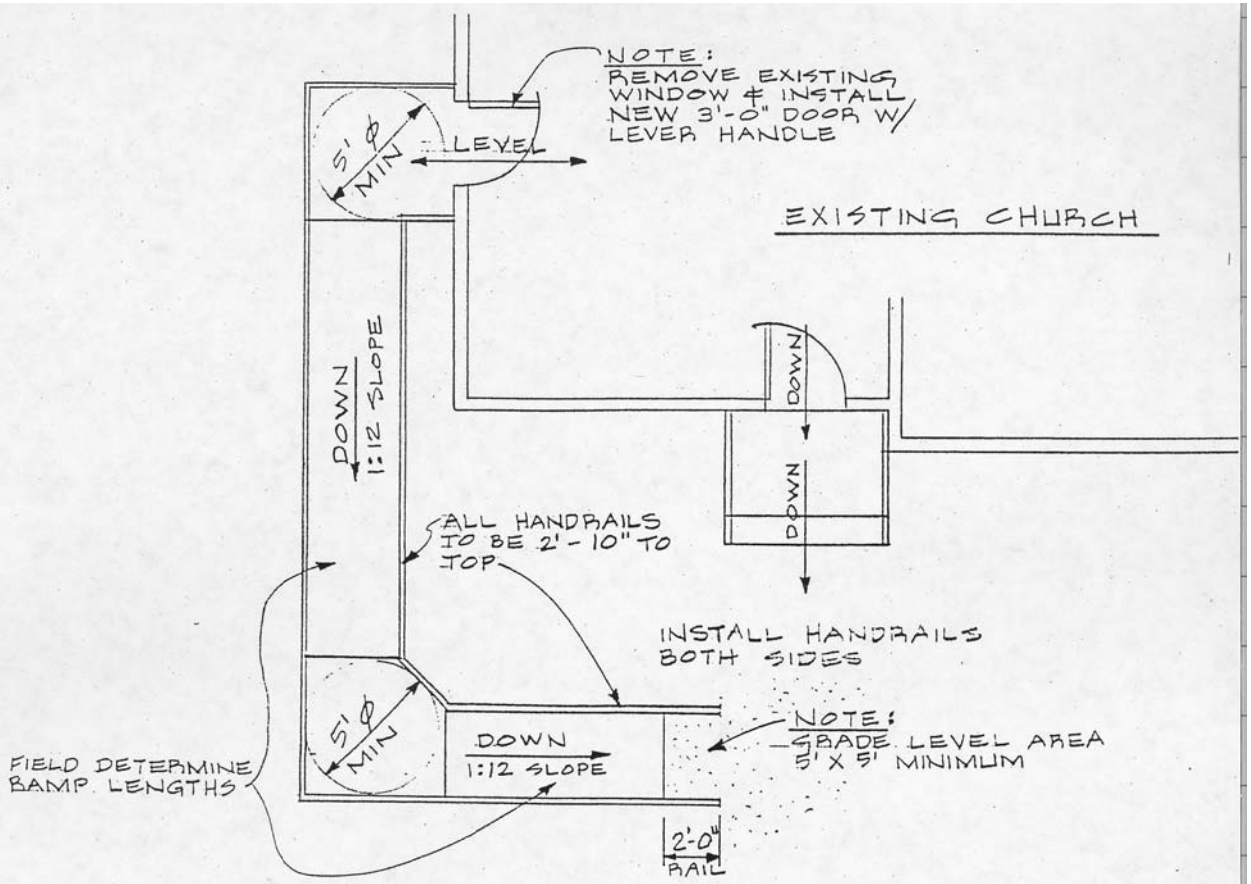
The access aisle must be located on a 36-inch-wide accessible route to the building entrance(s). Section 4.3 of the Standards contains requirements for accessible routes and includes specifications for width, passing space to permit two people using wheelchairs to pass, head room, ground surfaces along the route, slope, changes in levels, and doors. The accessible route must not be obstructed by any objects including vehicles that may extend into the accessible route, a curb, outdoor furniture, or shrubbery.

If an accessible route crosses a curb, a curb ramp must be used. However, a built-up curb ramp may not project into the minimum required space for the access aisle at an accessible parking space. When an accessible route crosses a vehicular way, a marked crosswalk may be part of the accessible route.

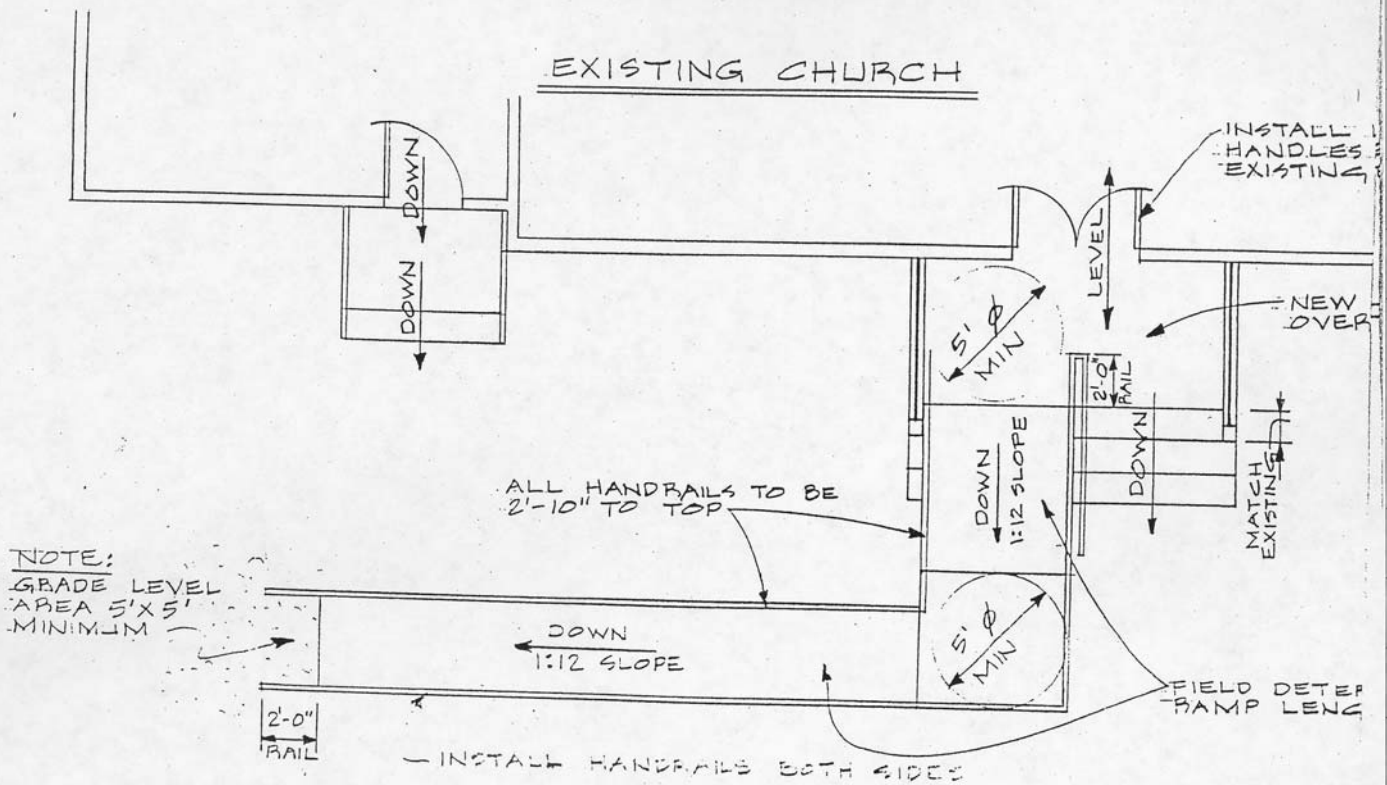
Sample sign for a van accessible parking space



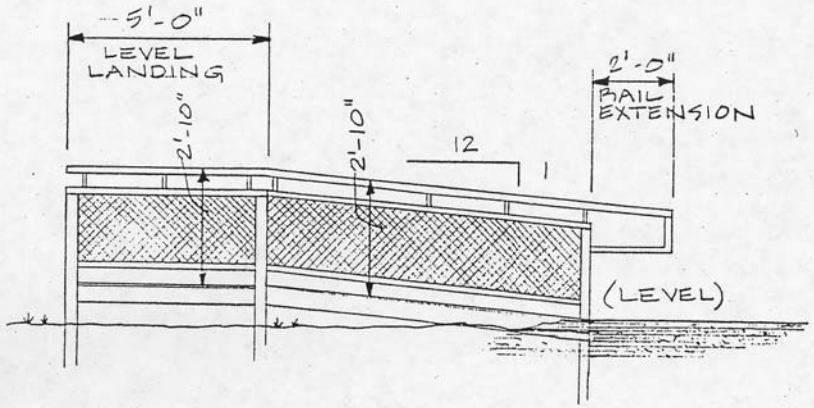
PLAN OF ACCESSIBLE RAMP – OPTION #1



PLAN OF ACCESSIBLE RAMP - OPTION #2

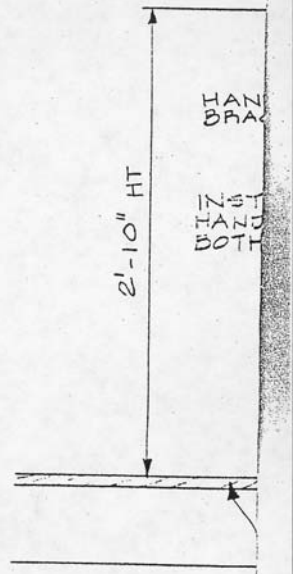


PLAN OF ACCESSIBLE RAMP - OPTION #3



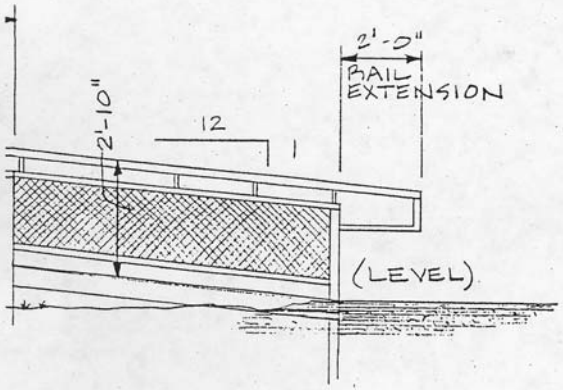
INSTALL HANDRAILS
BOTH SIDES

TYPICAL RAMP ELEVATION



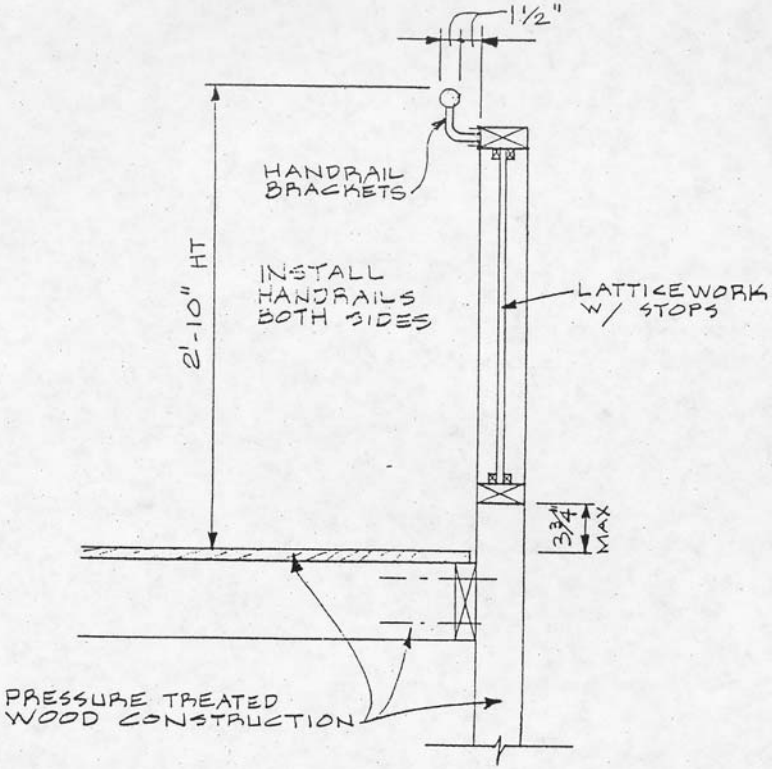
PRESSURE TREATED
WOOD CONSTRUCTI

TYPICAL H



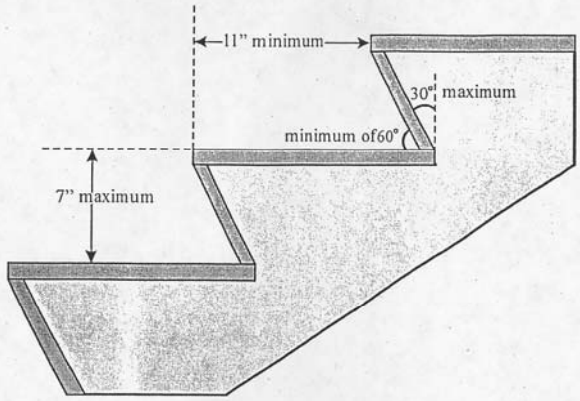
L HANDRAILS
SIDES

AL RAMP ELEVATION



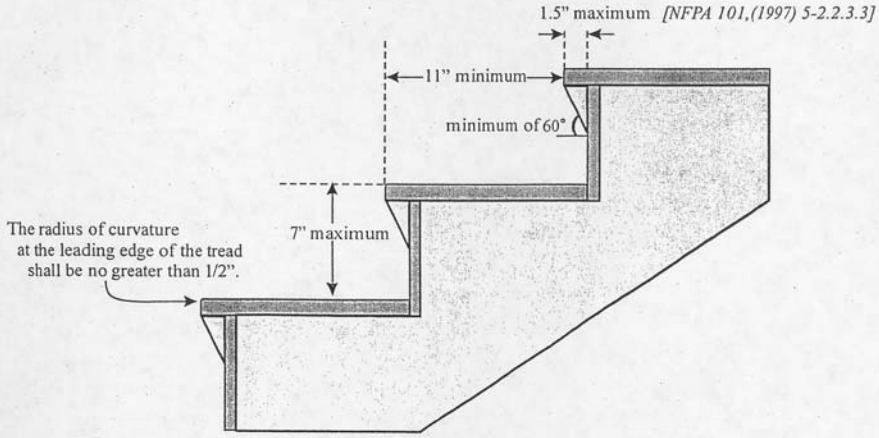
TYPICAL HANDRAIL DETAIL

Stair Dimensional Criteria



"...Risers shall be sloped
or
the underside of the nosing shall have
an angle not less than 60 degrees from the horizontal."

ADA Accessibility Guidelines 4.9.3

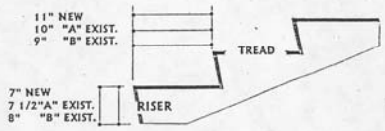


(3-99)

STAIR CONSTRUCTION
GUARD CONSTRUCTION

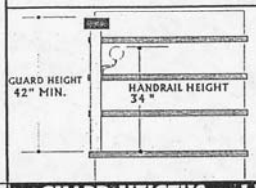
Stairs and guards are important components in the means of egress and proper design and construction will aid in occupants arriving at exits safely. The information contained in this sheet is a pictorial presentation to assist with the proper design of new and the reconstruction of existing components.

RISER and TREAD



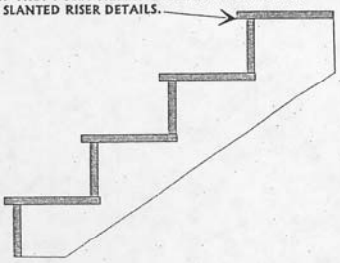
STAIR DIMENSIONS

	NEW
MAX. RISER HEIGHT	7"
MIN. TREAD DEPTH	11"
MIN. WIDTH OF STAIR < 50 OCCUPANTS	36"
WITH 50 OR MORE OCCUPANTS	44"
IF USED FOR UPWARD AREA OF REFUGE	48"
MAX. VERTICAL HEIGHT BETWEEN LANDDINGS	12'-0"

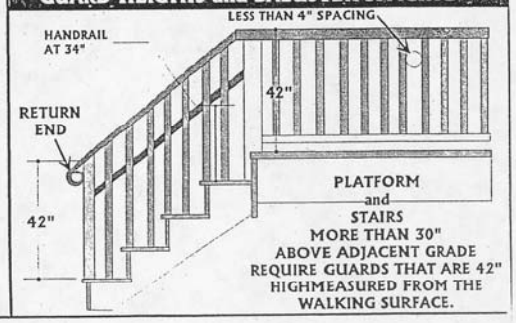


STAIR NOSINGS

PROTRUDING NOSINGS ARE NOT ALLOWED ON NEW STAIRS. THEY FORM TRIPPING HAZARDS. SEE FIGURE 1 FOR SLANTED RISER DETAILS.



GUARD HEIGTHS and BALUSTER SPACING

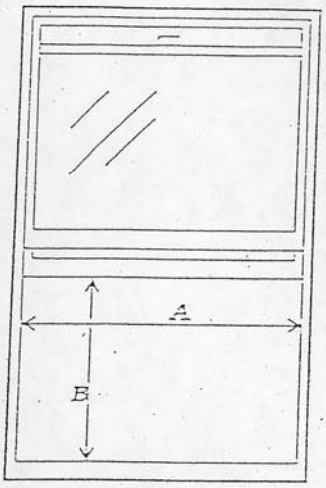


RISER HEIGHT AND TREAD DEPTHS MUST BE UNIFORM IN HEIGHT WITH NO VARIATION GREATER THAN 3/16". GREATER DIFFERENCES CAN CAUSE PEOPLE TO MISJUDGE AND STUMBLE WHILE ASCENDING AND DESCENDING FLIGHTS OF STAIRS. THE TOLERANCE BETWEEN THE LARGER AND SMALLER RISER AND/OR THE LARGER AND SMALLER TREAD SHALL NOT EXCEED 3/8".

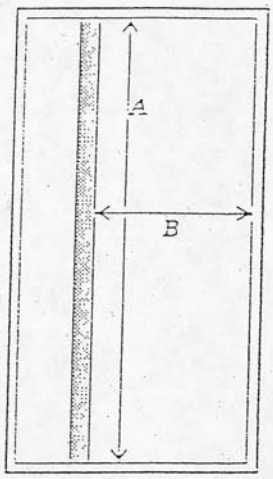
FOR MORE DETAILS AND REQUIREMENTS SEE CHAPTER 5 OF THE NATIONAL FIRE PROTECTION ASSOCIATION 101 LIFE SAFETY CODE.

NOTES:

THE EGRESS WINDOW



double-hung



casement

When the window is in the normal open position the opening must be at least 5.7 square feet in area.

1. A times B must equal at least 820.8 square inches. (This is 5.7 square feet)

2. The width of the opening must be at least 20 inches.

3. The height of the opening must be at least 24 inches.

   20 x 24 only equals 480 square inches, not enough.

   32 x 26 = 832 square inches. 832 divided by 144 equals 5.7777 square feet.

4. Sill must be within 44" of finish floor.

5. Exterior sill must be within 20' of grade.