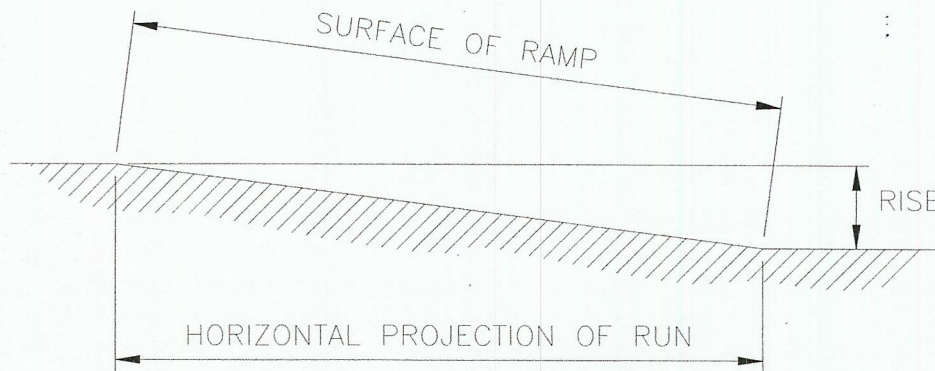


GENERAL REQUIREMENTS
PEDESTRIAN RAMPS

- *This area is necessary to enable a wheelchair user to safely stop, stabilize, and reposition the wheelchair for a straight run at the next ramp segment. At an intermediate landing with a change in direction in excess of 30 degrees, California requires that this landing provide a minimum of 72" of level surface in the direction of the ramp run. This landing must also incorporate the required 60" x 60" minimum landing dimension necessary.*
- *Ramps AND landings with drop-offs are required to have edge protection as detailed above. This edge protection must be utilized whenever other barriers, such as walls or guardrails, do not protect an individual from dropping off the safe confines of the required dimensions of ramps and landings. For example, if a ramp terminated at the landing of a doorway that was elevated above adjacent grade, the entire border of the landing area and ramp would require this edge protection.*



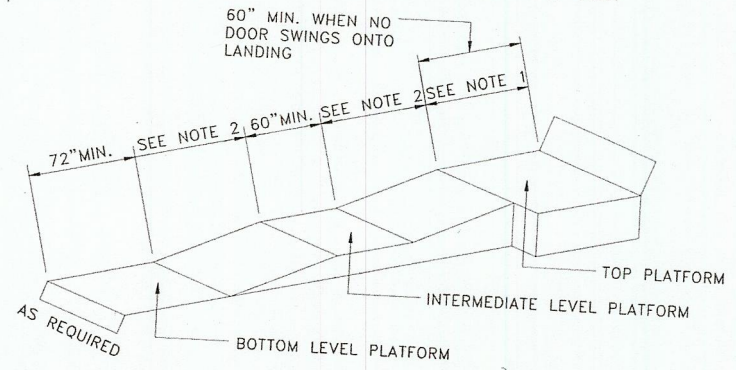
ALLOWABLE RAMP LENGTHS

<u>SLOPE</u>	<u>%</u>	<u>MAXIMUM RISE</u>	<u>MAXIMUM HORIZONTAL PROJECTION</u>
1:12	8.33%	30 INCHES	30.0 FEET
1:15	6.67%	30 INCHES	37.5 FEET
1:16	6.25%	30 INCHES	40.0 FEET
1:20	5.00%	30 INCHES	50.0 FEET

Fig.32

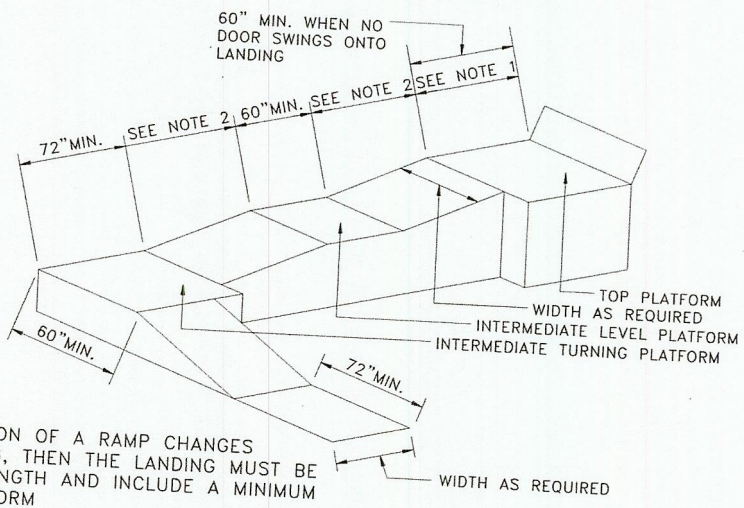
**GENERAL REQUIREMENTS
PEDESTRIAN RAMPS**

NOTE 1: WHEN DOOR SWINGS ONTO LANDING - 42" MIN. PLUS DOOR WIDTH
NOTE 2: MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP AND RUN VARY



**Fig.33-A
STRAIGHT RAMP RUN**

NOTE 1: WHEN DOOR SWINGS ONTO LANDING - 42" MIN. PLUS DOOR WIDTH
NOTE 2: MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP AND RUN VARY



NOTE: WHEN THE DIRECTION OF A RAMP CHANGES 30° OR MORE AT LANDING, THEN THE LANDING MUST BE A MINIMUM OF 72" IN LENGTH AND INCLUDE A MINIMUM 60"x 60" TURNING PLATFORM

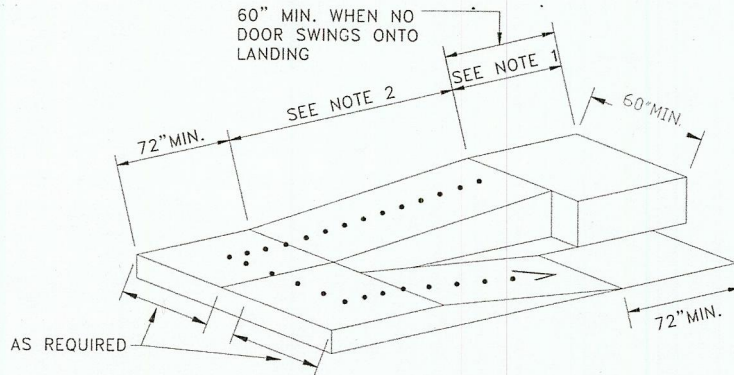
**Fig.33-B
RAMP WITH TURNING PLATFORM
(WHEN DIRECTION OF RAMP CHANGES 30 DEGREES OR MORE)**

RAMP DIMENSIONS

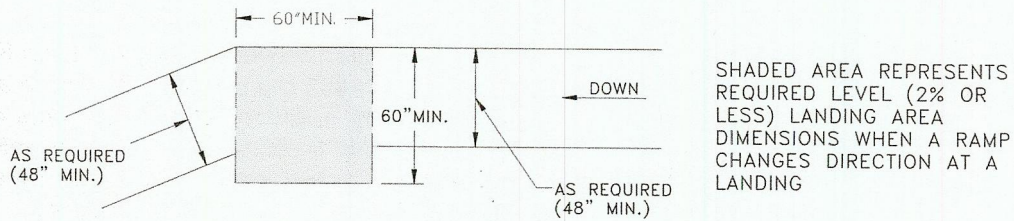
**GENERAL REQUIREMENTS
PEDESTRIAN RAMPS**

NOTE 1: WHEN DOOR SWINGS ONTO LANDING - 42" MIN. PLUS DOOR WIDTH.

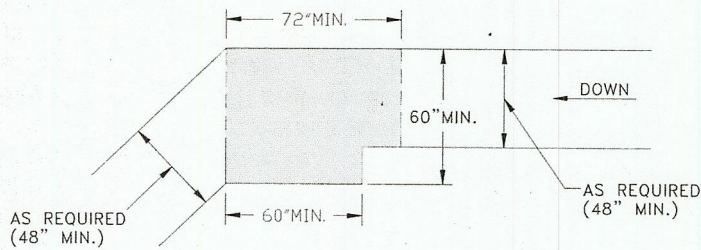
NOTE 2: MAXIMUM HORIZONTAL DISTANCES OF EACH RAMP AND RUN VARY.



**RAMP WITH INTERMEDIATE SWITCH-BACK
PLATFORM**

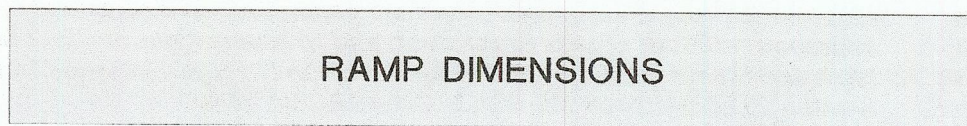


LESS THAN 30 DEGREE ANGLE



30 DEGREE OR GREATER ANGLE

Fig.34



GENERAL REQUIREMENTS
PEDESTRIAN RAMPS

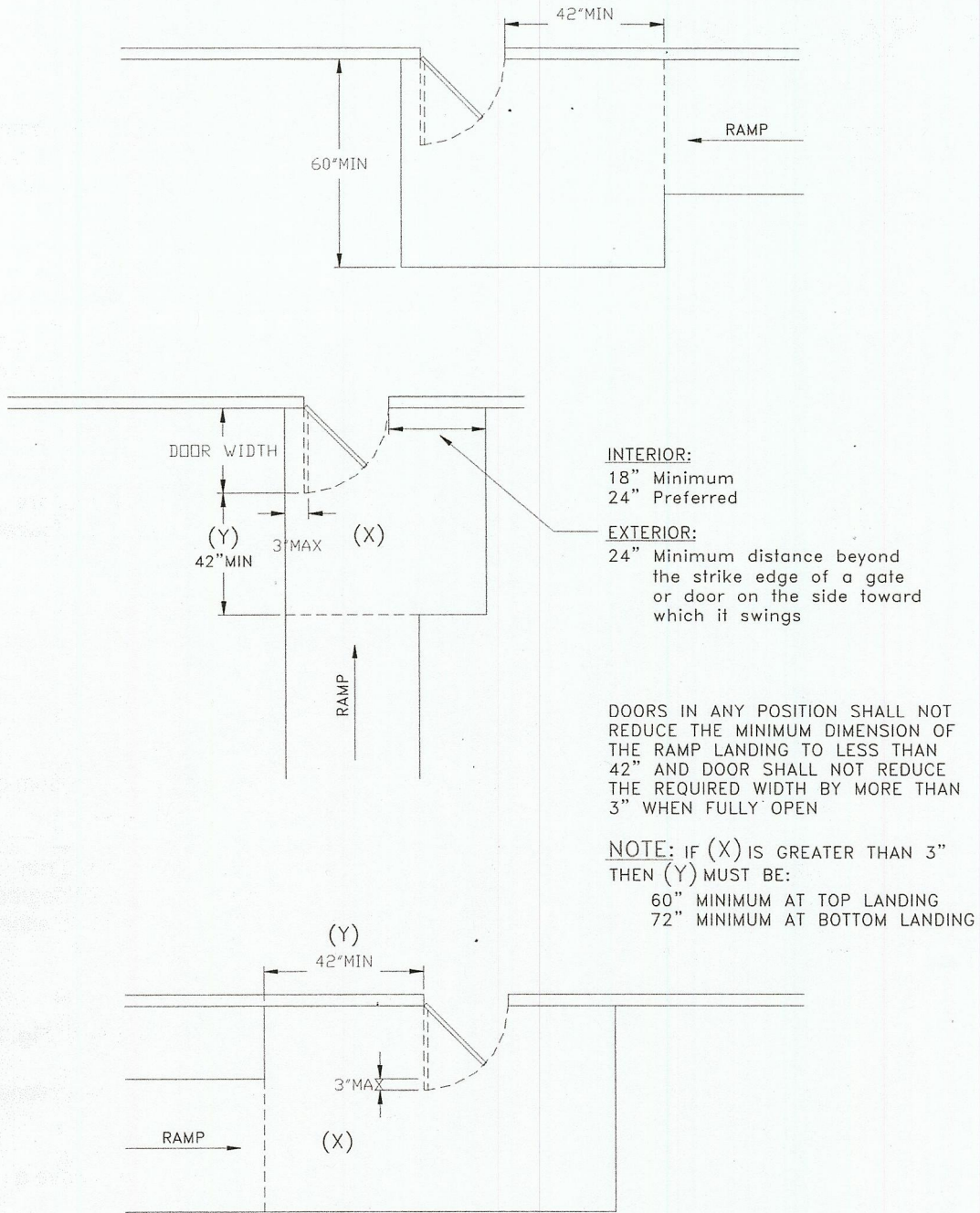


Fig.35

ENCROACHMENT OF DOORS
ONTO RAMPS

GENERAL REQUIREMENTS
PEDESTRIAN RAMPS

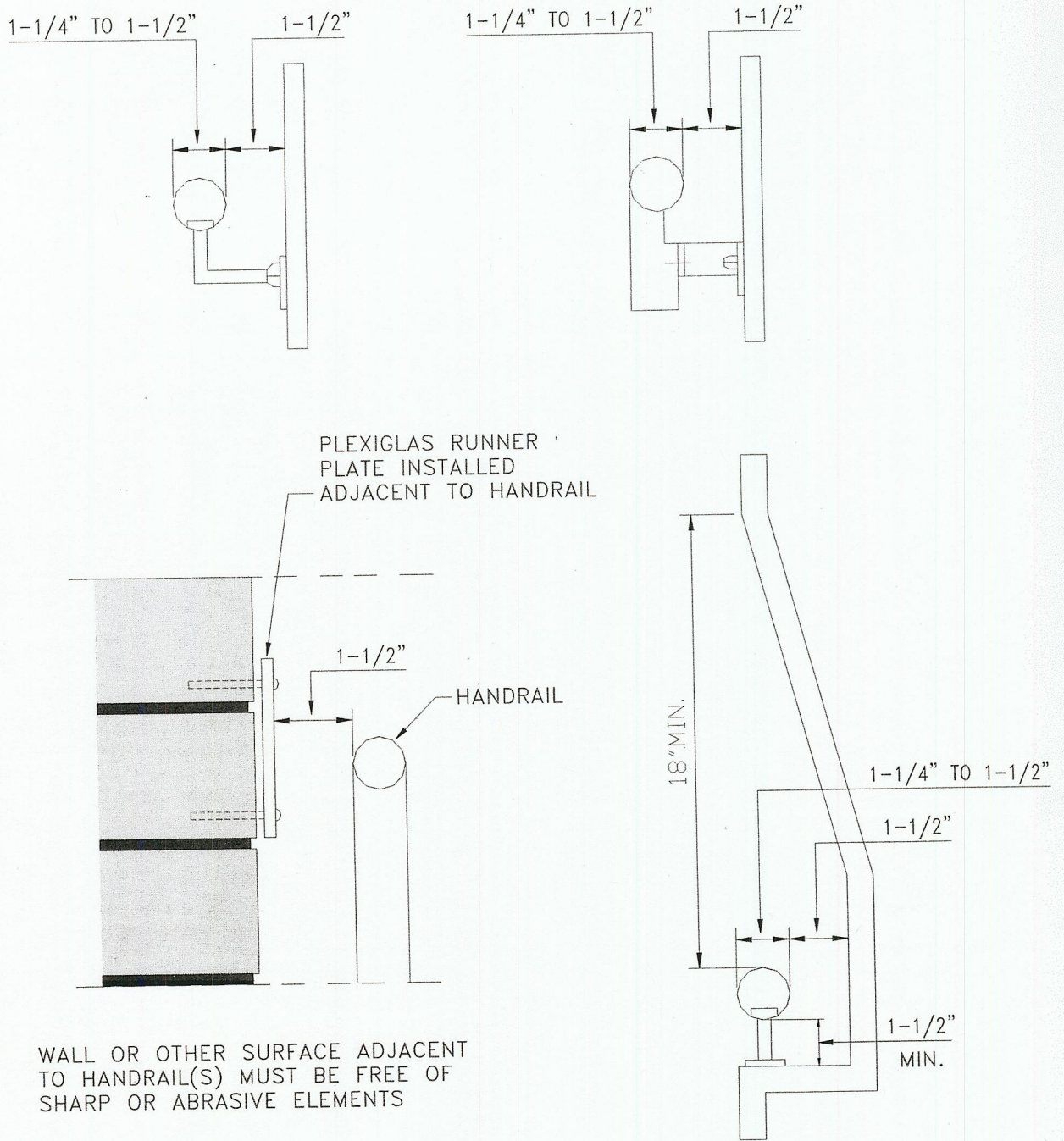
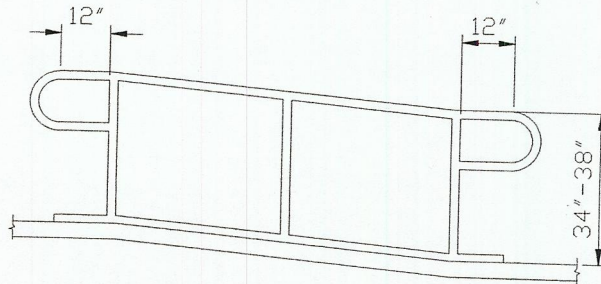


Fig.36

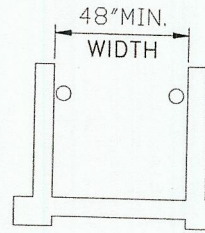
HANDRAILS AT RAMPS

**GENERAL REQUIREMENTS
PEDESTRIAN RAMPS**

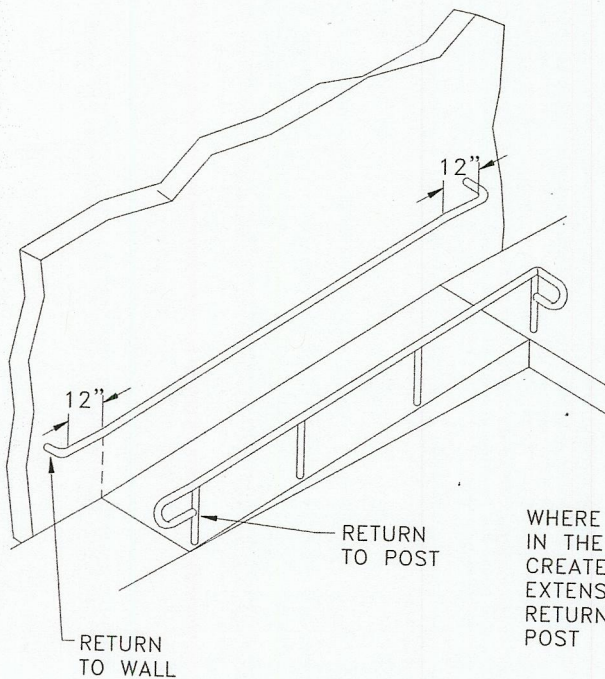
NOTE: HANDRAILS MUST EXTEND A MINIMUM OF 12" OF LEVEL DISTANCE (PARALLEL TO LANDING SURFACE) BEYOND TOP AND BOTTOM OF THE RAMP ENDS BEFORE THEY ARE RETURNED



HANDRAILS MAY PROJECT INTO THE REQUIRED WIDTH A DISTANCE OF 3-1/2" FROM EACH SIDE OF A RAMP. OTHER PROJECTIONS, SUCH AS TRIM AND SIMILAR DECORATIVE FEATURES, MAY PROJECT INTO THE REQUIRED WIDTH 1-1/2" ON EACH SIDE



WIDTH MUST BE MINIMUM OF 60" WITH OCCUPANCY OF 300 OR MORE



WHERE THE EXTENSION OF THE HANDRAIL IN THE DIRECTION OF THE RAMP RUN WOULD CREATE A HAZARD, THE TERMINATION OF THE EXTENSION MAY BE MADE ROUNDED OR RETURNED SMOOTHLY TO A FLOOR, WALL OR POST

Fig.37

HANDRAILS AT RAMPS