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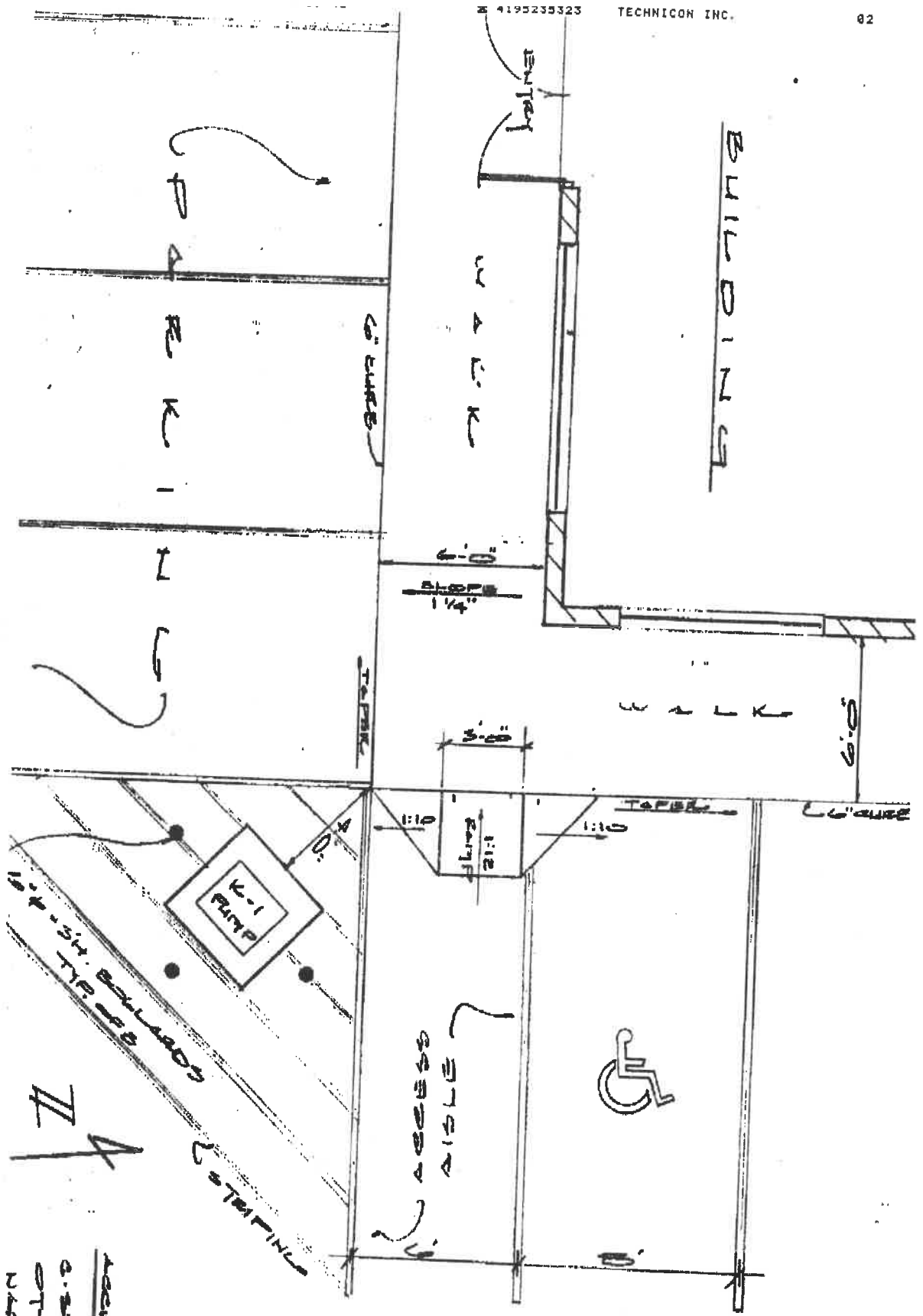
IF YOU DO NOT RECEIVE ALL COPIES OR IF THEY ARE NOT LEGIBLE,
PLEASE CONTACT US AS SOON AS POSSIBLE. THANK YOU.

RE: OTAWA CO. CO.

C-STORE CURB RAMP

PLEASE LET ME KNOW
YOUR OPINION.

TONY HOVEST



ACCESS RAMP
 6'-0" WIDE FOR
 OTTAWA, ONT. CO.
 NATIONAL, OHIO.

4.8.4 Landings. Ramps shall have level landings at the bottom and top of each run. Landings shall have the following features:

- (1) The landing shall be at least as wide as the widest ramp run leading to it
- (2) The landing length shall be a minimum of 60 in (1525 mm) clear
- (3) If ramps change direction at landings, the minimum landing size shall be 60 in by 60 in (1525 mm by 1525 mm)
- (4) If a doorway is located at a landing, then the area in front of the doorway shall comply with 4.13.6

4.8.5* Handrails. If a ramp run has a rise greater than 6 in (150 mm) or a horizontal projection greater than 72 in (1830 mm), then it shall have handrails on both sides. Handrails are not required on curb ramps. Handrails shall have the following features:

- (1) Handrails shall be provided along both sides of ramp segments. The inside handrail on switch-back or dogleg ramps shall always be continuous.
- (2) If handrails are not continuous, they shall extend at least 12 in (305 mm) beyond the top and bottom of the ramp segment and shall be parallel with the floor or ground surface.
- (3) The clear space between the handrail and the wall shall be 1½ in (38 mm). Handrails may be located in a recess if the recess is a maximum of 3 in (75 mm) deep and extends at least 18 in (455 mm) above the top of the rail (see Fig. 39(d)).
- (4) Gripping surfaces shall be continuous, without interruption by newel posts, other construction elements, or obstructions.
- (5) The diameter or width of the gripping surfaces of a handrail shall be 1½ in to 1½ in (32 mm to 38 mm), or the shape shall provide an equivalent

gripping surface (see Fig. 39(a), (b), and (c)). Standard pipe sizes designated by the industry as 1½ in to 1½ in (32 mm to 38 mm) are acceptable industry tolerances as noted under 3.2.

(6) The top of handrail gripping surfaces shall be mounted between 30 in and 34 in (760 mm and 865 mm) above ramp surfaces.

(7) A handrail and any wall or other surface adjacent to it shall be free of any sharp or abrasive elements. Edges shall have a minimum radius of ¼ in (3.2 mm).

4.8.6 Cross Slope and Surfaces. The cross slope of ramp surfaces shall be no greater than 1:50. Ramp surfaces shall comply with 4.5.

4.8.7 Edge Protection. Ramps and landings with drop-offs shall have curbs, walls, railings, or projecting surfaces that prevent people from slipping off the ramp. Curbs shall be a minimum of 2 in (51 mm) high (see Fig. 17).

4.8.8 Outdoor Conditions. Outdoor ramps and their approaches shall be designed so that water will not accumulate on walking surfaces.

4.9 Stairs

4.9.1 General. Stairs that are required as a means of egress and stairs between floor levels not connected by an elevator shall comply with 4.9.

4.9.2 Treads and Risers. On any given flight of stairs, all steps shall have uniform riser heights and uniform tread depth. Risers shall be a maximum of 7 in (180 mm) in height, and stair treads shall be no less than 11 in (280 mm) in depth, measured from riser to riser (see Fig. 18(a)). Open risers are not permitted on accessible routes.

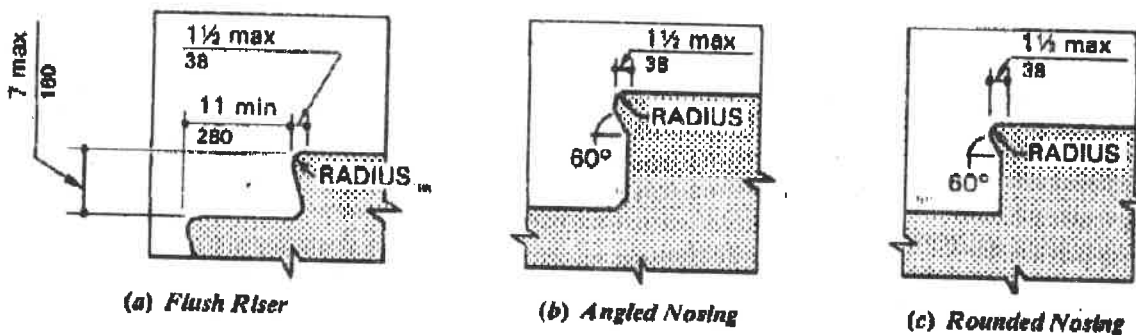


Fig. 18

Usable Tread Width and Examples of Acceptable Nosings

*See Appendix for additional information.