



Material 3	chedule	
Tag	Description	Manufacturer
FC-2A	Hardie Arctic White	James Hardie
FC-2B	RAL 1016 Sulfur Yellow	James Hardie
FC-2C	Hardie Light Mist	James Hardie
FC-3	Siding, Trim	Boral
G-1	Glass	Modern Glazing
GWB-1	Type X GWB	USG
GWB-2	Type X GWB (Ceiling)	USG
GWB-3	Mold Resistant GWB	USG
GWB-4	Densglass	Georgia-Pacific
MS-1	Concrete	
MT-1	Aluminum	
MT-2	Steel	
WD-1	Poplar (Paint Grade)	
WD-2	Strip Wood	
WD-3	Mahogany	

ADDRESS 205 Beacon St Somerville, MA





Revision	Description	Date
	-	

4 Detail 12" = 1'-0"

24.2.1. The least possible slope should be used for any ramp. The maximum slope of a *ramp* shall be 1:12 (8.3%).

(There is no tolerance allowed on slope.

ramp run between landings shall not exceed 30 feet (30' = 9m). 24.4.1 General: Landings shall be level and unobstructed by projections and door swings, except as permitted by

24.5 HANDRAILS. Handrails shall be provided at all *ramps*. Handrails shall have the following features:

vertically from the surface of the *ramp* to top of handrail. 24.5.3 Continuous surface: Handrails shall be continuous without interruption, except by doorways and openings, so

24.5.4 Extensions: Handrails shall extend at least 12 inches (12" = 305mm) beyond the top and bottom of the ramp and shall be parallel with the floor or ground surface, except where the extension would cause a safety hazard.

24.5.5 Size: Handrails shall have a circular cross section with an outside diameter of 11/4 inches (32mm) minimum and two inches (51mm) maximum. 24.5.6 Shape: The handgrip portion of the handrail shall be round or oval in cross-section.

24.5.7 Surface: The gripping surface shall be free of any sharp or abrasive *elements*. 24.5.8 Clearance: When a handrail is mounted adjacent to a wall, the clear space between the handrail and the wall

SPECIAL
CONDITIONS
DETAILS

Date	06/02/22
Drawn by	NP
Checked by	TP

As indicated

PERIMETER: 5"

521 CMR (Ed. 2006) Chapter 24.00 RAMPS

24.2 SLOPE AND RISE. Ramps shall have the least possible slope.

24.2.2. The maximum rise for any run shall be 30 inches (30" = 762mm).

24.3 CLEAR WIDTH. The minimum *clear* width of a *ramp* shall be 48 inches (48" = 1219mm), measured between the

24.4 **LANDINGS.** Ramps shall have landings for turning and resting. At a minimum, landings shall be located at the bottom and the top of each *ramp* and each *ramp* run, and whenever a *ramp* changes direction. The maximum length of a

521 CMR 24.4.6. 24.4.2 Width: The landing shall be at least as wide as the *ramp* run leading to it.
24.4.3 Length: The landing length shall be a minimum of 60 inches (60" = 1524mm) *clear*.
24.4.5 Dimensions for turning: If *ramps* change direction at landings, the minimum landing size shall be 60 inches by 60 inches (60" x 60" = 1524mm x 1524mm).

24.5.1 Location: Handrails shall be provided along both sides of *ramp* segments.
24.5.2 Heights: Handrails shall be provided in pairs, one at a height between 34 inches and 38 inches (34" - 38" = 864mm - 965mm), and a lower one at a height between 18 and 20 inches (18"-20"=457mm-508mm), measured

that a hand can move from end to end without interruption.

24.5.8 Clearance: When a handrail is mounted adjacent to a wall, the *clear space* between the handrail and the wall shall be 1½ inches (1½" = 38mm). Handrails may be located in a wall recess if the recess is a maximum of three inches (3" = 76mm) deep and extends at least 18 inches (18" = 457mm) above the top of the rail.
24.5.9 End condition: Ends of handrails shall be either rounded or returned smoothly to floor, wall, or post.
24.5.10 Handrails shall not rotate within their fittings.
24.6 CROSS SLOPE. The *cross slope* of *ramp* surfaces shall be no greater than 1:50 (2%)
24.9 OUTDOOR CONDITIONS. Outdoor *ramps* and their approaches shall be designed so that water will not approached an walking surfaces.

accumulate on walking surfaces.