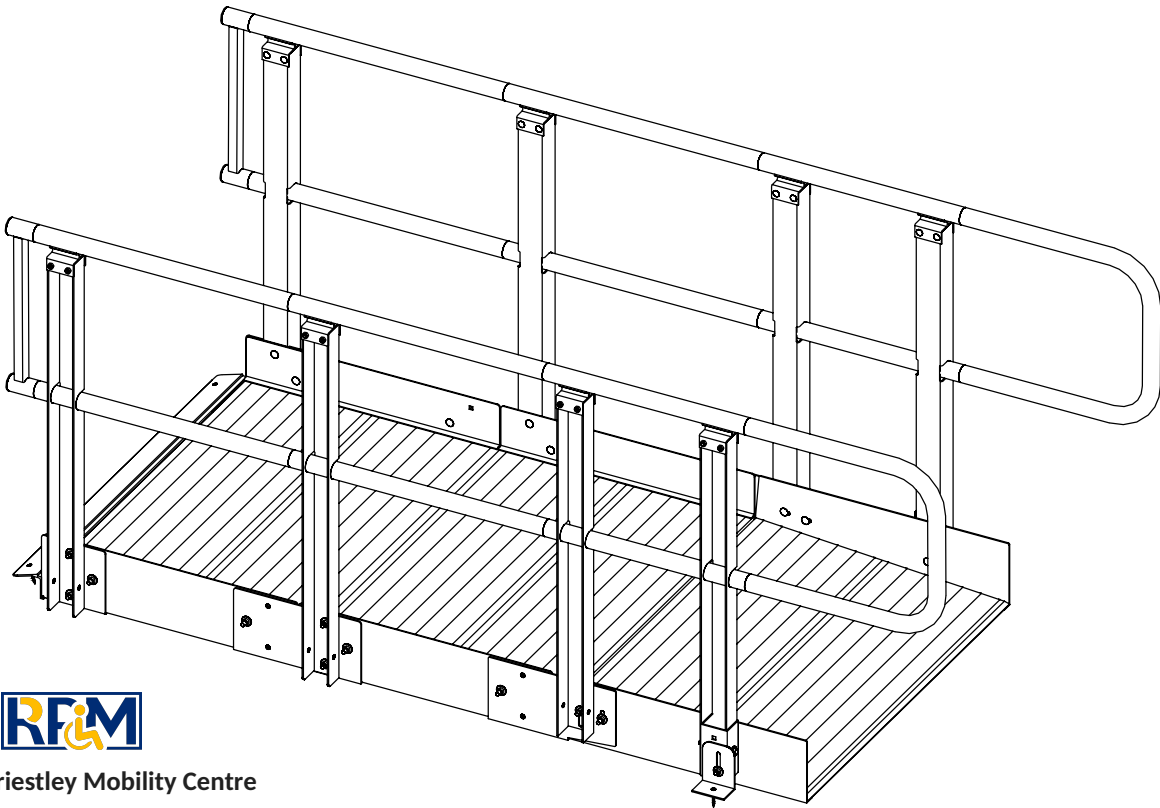


PRAIRIE VIEW INDUSTRIES

ONTRAC RAMP ASSEMBLY MANUAL



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Prairie View Industries

OVERVIEW

APPEARANCE: The PVI ONTRAC Ramp with handrail has a clean uncluttered appearance that will fit in most surroundings.

LOW MAINTENANCE: All aluminum design has lifetime durability in all kinds of climates without periodic painting or renewal of preservatives. The aluminum alloys used are resistant to salt corrosion (noncorrosive or pet safe salt is recommended). The ONTRAC Ramp may even be used in coastal areas and cold climates that require the use of deicers.

SEMI PERMANENT: The PVI ONTRAC Ramp serves the purpose as well or better than a permanent concrete ramp but can still go along with the user if they move or can be removed and resold when no longer needed. The PVI ONTRAC Ramp is designed to be freestanding and completely independent of the existing structure it serves. In most cases this simplifies compliance with local codes and may eliminate the requirement for a permit.

FLEXIBLE COMPONENTS: If or when the PVI ONTRAC Ramp is moved it is easy to add or subtract from in a new location. This feature makes the PVI ONTRAC Ramp attractive for lease/rental opportunities that may be available with insurance companies serving rehabilitation needs.

EASY INSTALLATION: The components of the PVI ONTRAC Ramp are designed to provide an easy assembly method, with simple/common hand tools and set in to place without the need for heavy equipment. A van, pickup, or small trailer is all that is needed to transport the PVI ONTRAC Ramp to the job site.

SHIPPING: The PVI ONTRAC Ramp components are stocked and warehoused so in most cases an order can be quickly filled and shipped. The lightweight aluminum design and plant location make it economical to ship to any part of the country.

RAMP SPECS

USABLE WIDTH: 36" (91.5cm)

OVERALL WIDTH: 42" (104 cm)

RAMP SURFACE: Aluminum planking with lateral grooves.

CURBING: 4" high standard curb. (100 mm)

SLOPE: Adjustable from 1on12 to 2on12.

LAYOUT CONSIDERATIONS

NOTE: ADA COMPLIANCE IS USUALLY OPTIONAL (*guideline only*) FOR RESIDENTIAL APPLICATIONS.

SLOPES: The ADA recommends a slope of 1on12 (1 foot of ramp per 1 inch of rise) when possible. However, when space is limited or other considerations require a steeper ramp, the PVI ONTRAC Ramp will accommodate slopes up to 2on12 (1 foot of ramp per 2 inches of rise). When selecting the slope of the ramp the capabilities and safety of the users and their equipment must be considered.

HANDRAIL: The ADA requires handrail on any ramp with a rise of 6" or more. All PVI ONTRAC Ramps require handrails. PVI ONTRAC Ramps will not be sold without handrails for safety reasons as well as the overall design integrity of the ramp.

NOTE: DURING ASSEMBLY DO NOT TIGHTEN HARDWARE ALL OF THE WAY UNTIL ASSEMBLY IS COMPLETE.

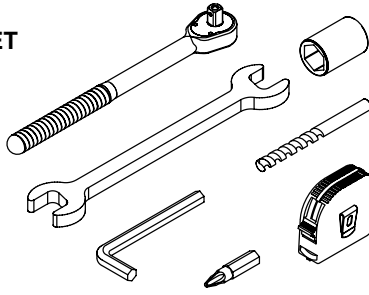
FOOTING AND ANCHORING: The PVI ONTRAC Ramp is designed to be a freestanding, independent structure that does not have to be permanently attached to the building it serves. Each freestanding ramp must be anchored at the upper and lower end. Anchoring may consist of lag screw or bolts into existing concrete, precast pads, patio pavers or poured in place.

This gradient recommendation requirements in this manual are for the USA, the recommended gradient standards for Australia are slightly different. Please Contact info@rpmobility.com.au or 0294824893 in Sydney for further information.

ONTRAC COMPONENTS

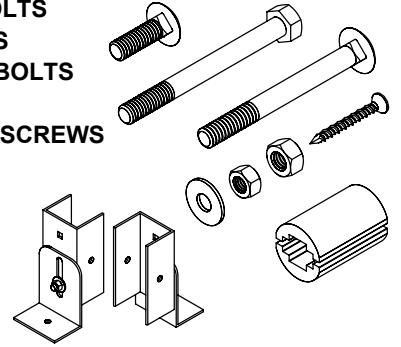
TOOLS

- RATCHET
- 1/2" DEEP WELL SOCKET
- 7/16" SOCKET
- 1/2" WRENCH
- 1/4" MASONRY BIT
- 5/32" ALLEN WRENCH
- #2 PHILLIPS DRILL BIT
- TAPE MEASURE

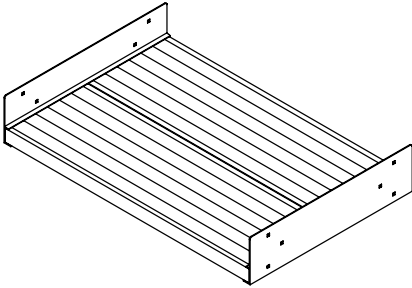


HARDWARE

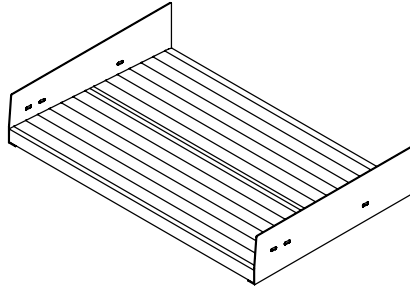
- 5/16 x 1 CARRIAGE BOLTS
- 5/16 x 3 1/4 HEX BOLTS
- 1/4 x 2 1/2 CARRIAGE BOLTS
- 1/4 SELFLOCK NUTS
- 1/4 x 1 1/4 CONCRETE SCREWS
- 5/16 SELFLOCK NUTS
- 5/16 WASHERS
- HANDRAIL SPLICE
- SUPPORT BRACKETS



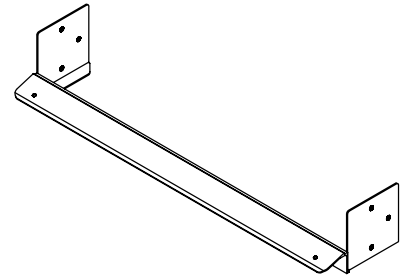
RAMP BASE



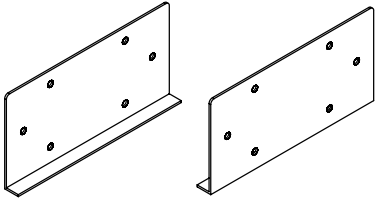
ENTRANCE BASE



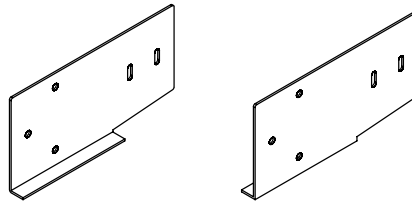
HOOK BRACKET



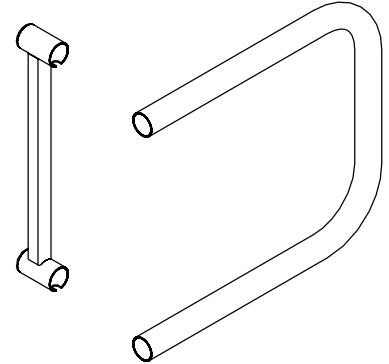
RAMP SPLICE



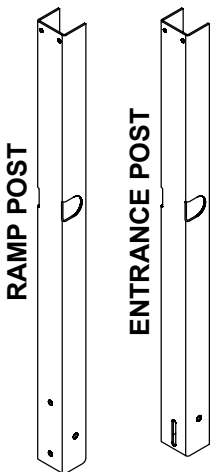
ENTRANCE SPLICE (LEFT & RIGHT)



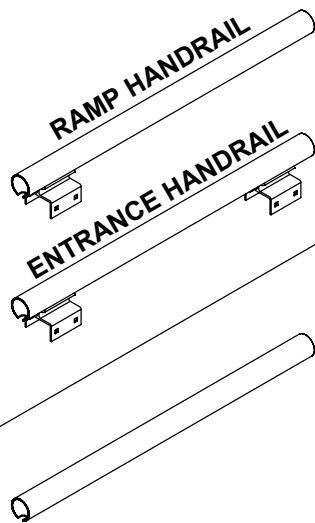
END LOOPS



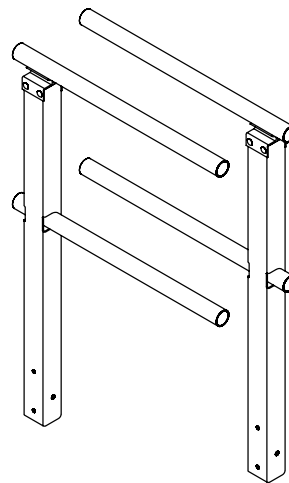
POST



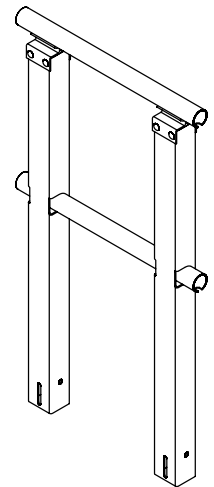
TOP HANDRAIL



RAMP HANDRAIL (LEFT & RIGHT)



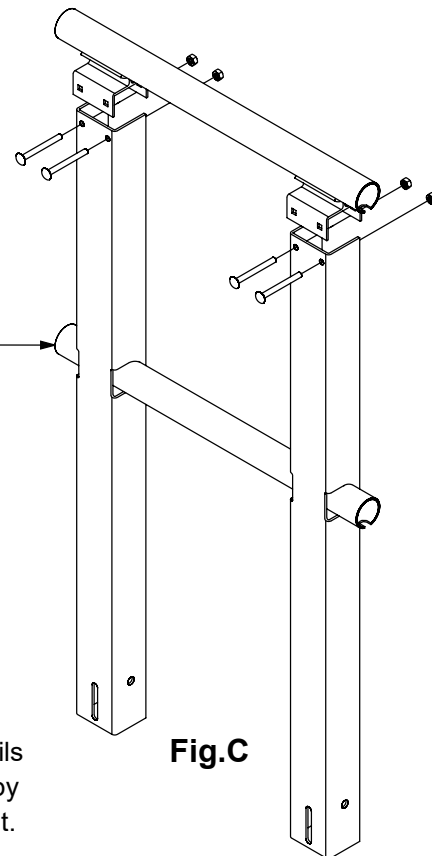
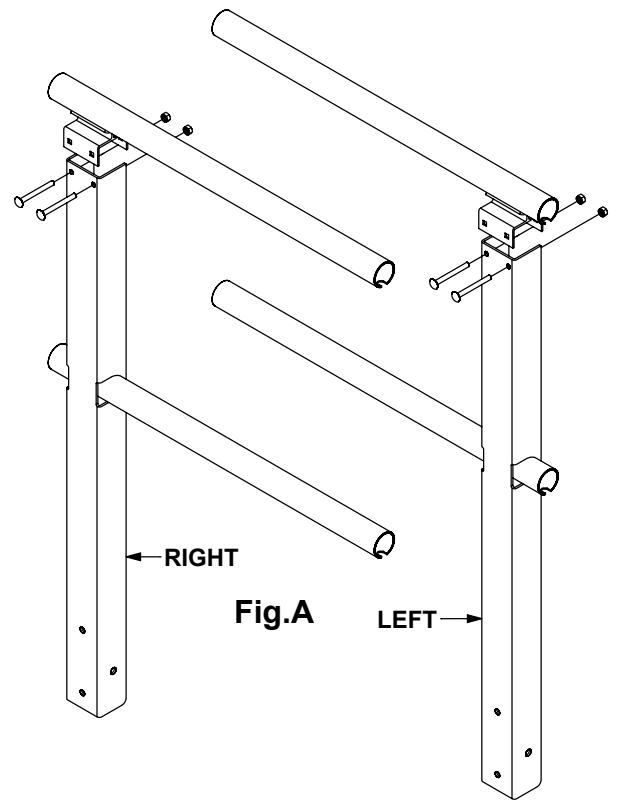
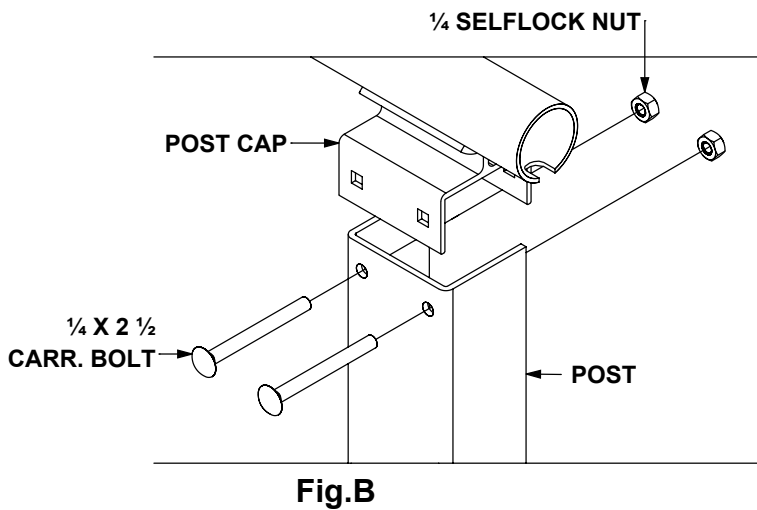
ENTRANCE HANDRAIL



BOTTOM HANDRAIL TUBE

ONTRAC HANDRAIL ASSEMBLY

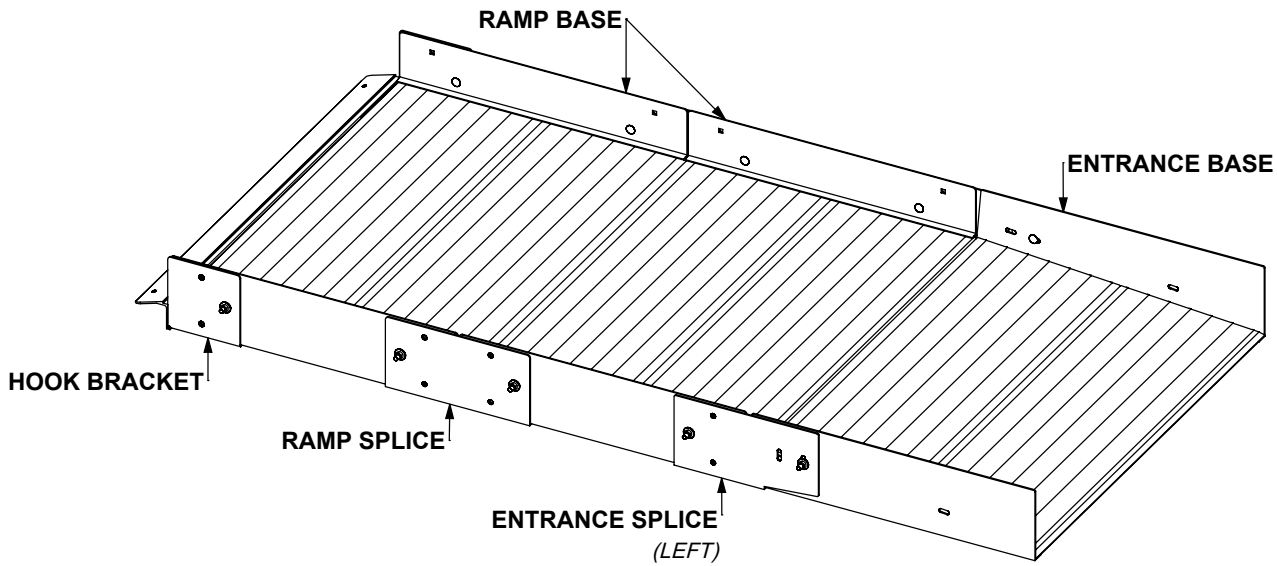
HANDRAIL ASSEMBLY 1.0: Ramp sections will require one left and one right handrail assembly of the corresponding length. **(Fig.A)** The components are symmetrical and will need to be assembled as left and right pairs. Assemble handrail by placing the post cap of the top ramp handrail over the ramp post. Align holes and insert the $\frac{1}{4} \times 2 \frac{1}{2}$ carriage bolts with the head of the bolts on the inside of the handrail assembly and fasten with $\frac{1}{4}$ selflock nuts. **(Fig.B)**



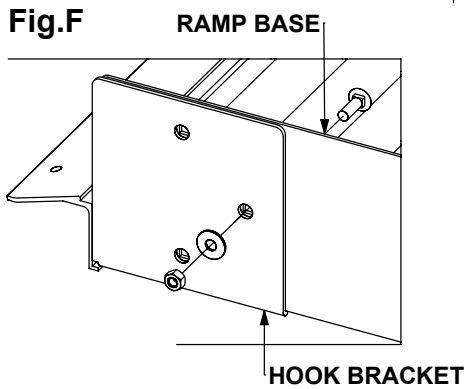
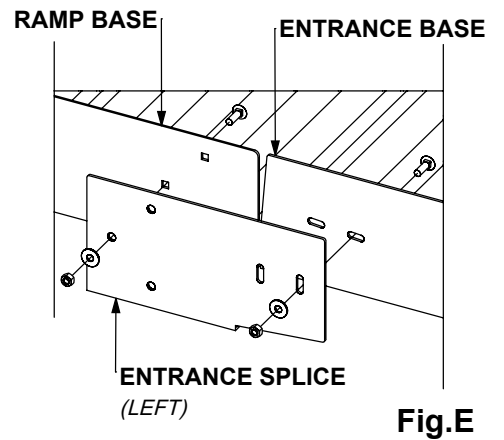
LOWER HANDRAIL TUBE WILL BE
ADDED/INSTALLED DURING FINAL ASSEMBLY

HANDRAIL ASSEMBLY 1.1: Each ramp will require two entrance handrail assemblies at the entrance location. **(Fig.C)** Entrance handrails are assembled using two entrance post. Assemble entrance handrail by placing the post cap of the top entrance handrail over the entrance post. Align holes and insert the $\frac{1}{4} \times 2 \frac{1}{2}$ carriage bolts with the head of the bolts on the inside of the handrail assembly and fasten with $\frac{1}{4}$ selflock nuts. **(Fig.B)**

ONTRAC BASE ASSEMBLY

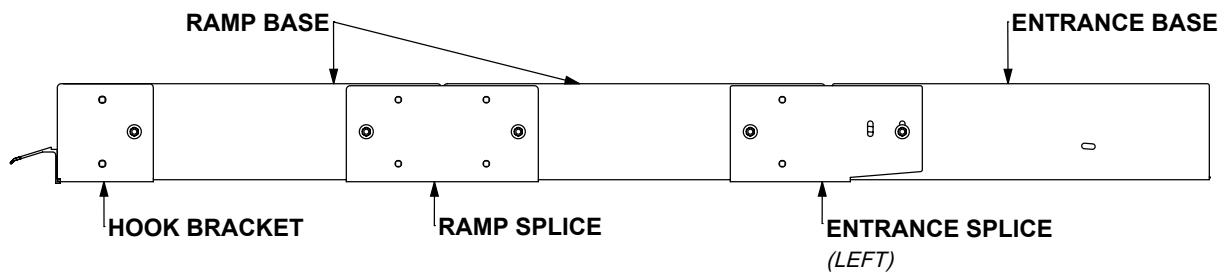


RAMP BASE ASSEMBLY 2.0: Connect ramp bases together using a ramp splice. **(Fig. D)** Attach ramp splice using the single/outside hole locations of the ramp splice and ramp base with 5/16 x 1 carriage bolts, washers, and selflock nuts.



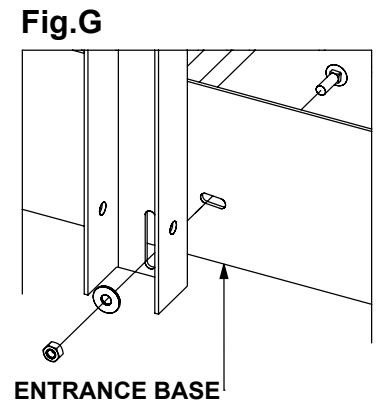
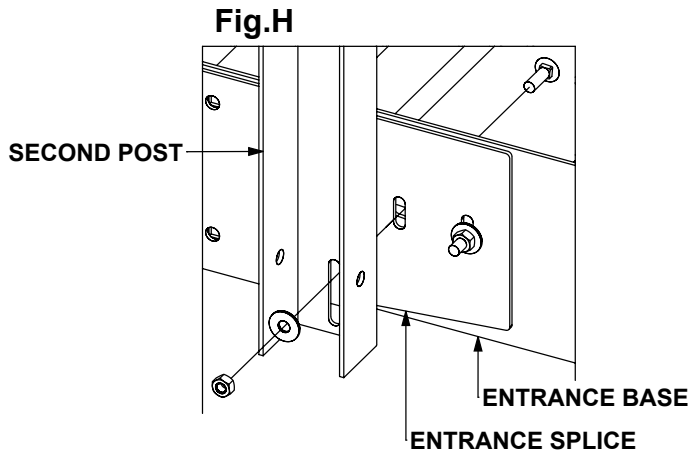
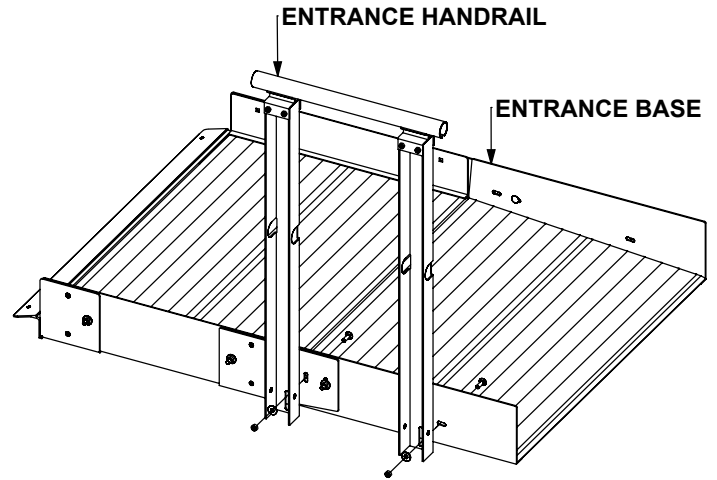
RAMP BASE ASSEMBLY 2.1: Connect entrance base to ramp using a left and right entrance splice. **(Fig. E)** Attach entrance splice with 5/16 x 1 carriage bolts, washers, and selflock nuts using the slotted hole in the entrance base and the outer slotted hole in the entrance splice, and the single/outside hole in the ramp splice and ramp base.

RAMP BASE ASSEMBLY 2.2: Connect the hook bracket at the top end of the ramp with 5/16 x 1 carriage bolts, washers, and selflock nuts. **(Fig. F)**



ONTRAC HANDRAIL INSTALLATION

HANDRAIL INSTALLATION 3.0: Start handrail installation by installing the entrance handrail. Attach the post of the entrance handrail assembly to the entrance base with a 5/16 x 1 carriage bolt, washer, and selflock nut using the slotted holes in the post and base. **(Fig. G)** At the second post location place a 5/16 x 1 carriage bolt through the slotted hole of entrance base, entrance splice, and entrance post and fasten with a washer and selflock nut. **(Fig.H)** Do not tighten hardware all the way until all handrail has been installed.



HANDRAIL INSTALLATION 3.1: Next install the ramp handrail by first inserting a handrail splice inside of the already installed top tube of the entrance handrail, **(Fig. I)** place the tube of the ramp handrail over the handrail splice and attach handrail to base by placing a 5/16 x 1 carriage bolts through the ramp base, ramp splice/hook bracket, and ramp post and fasten with washers and selflock nuts. **(Fig. J)**

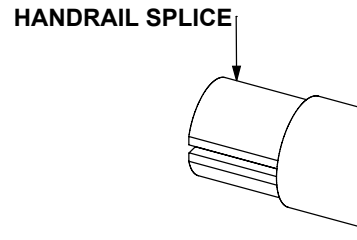
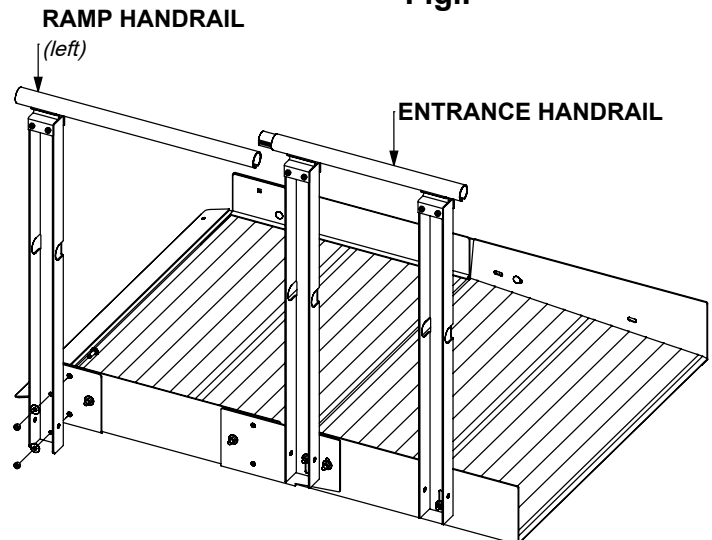
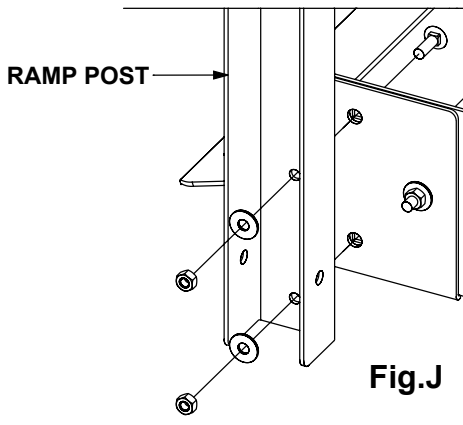


Fig.I



ONTRAC HANDRAIL INSTALLATION

HANDRAIL INSTALLATION 3.2: Insert lower handrail tubes through the holes in the handrail post so they are even with the top handrail tube and fasten with handrail splice. **(Fig. K)** Attach end loops at each end of ramp handrail run using a handrail splice at the top and bottom tube location. **(Fig. L)**

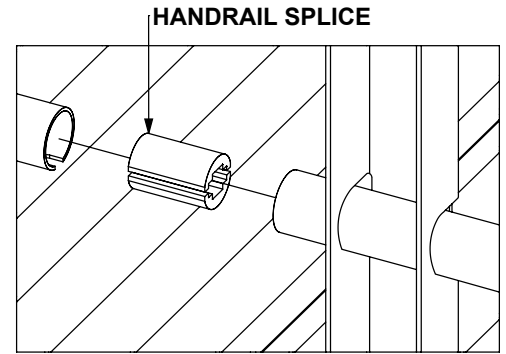


Fig.K

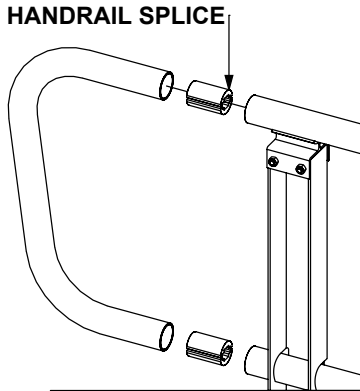


Fig.L

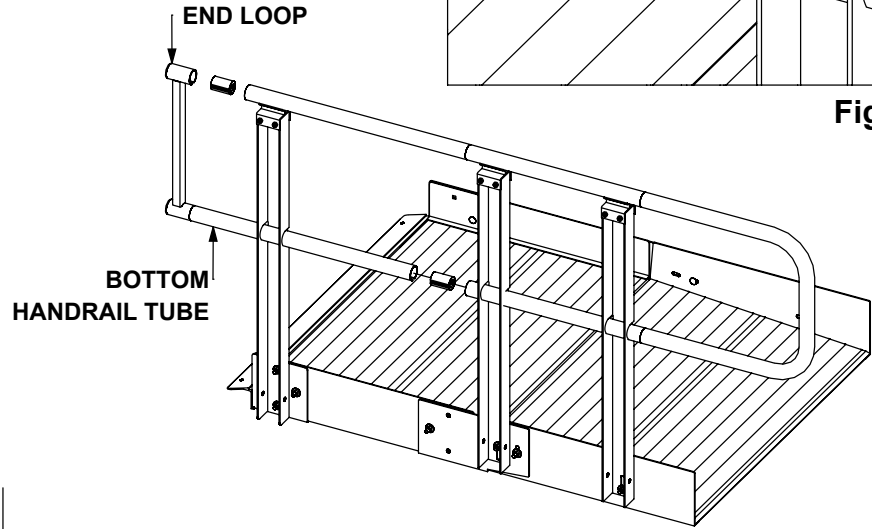


Fig. M

SUPPORT BRACKET ASSEMBLY 4.0: Attach support brackets by placing the support bracket channel over the entrance post and attach with 5/16 x 3 1/4 hex bolt, flat washers, and a selflock nut. **(Fig. M)** To adjust the height, loosen the selflock nut on the front side of the support bracket assembly, once height is set re-tighten selflock nut.

SUPPORT BRACKET

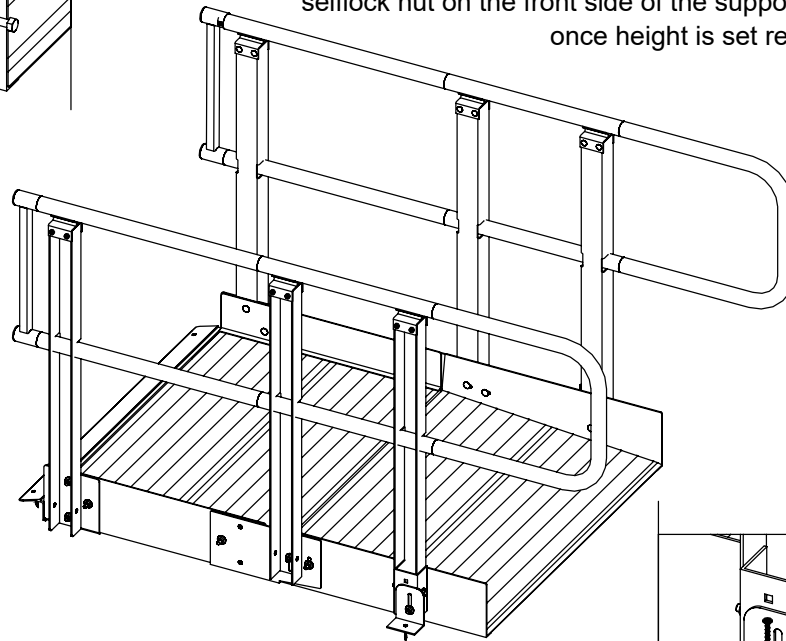


Fig. N

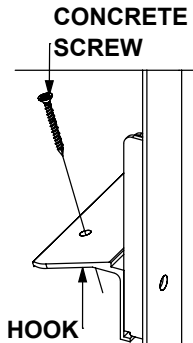


Fig. O

SUPPORT BRACKET

FINAL RAMP PLACEMENT 5.0: Place ramp in the final resting position and anchor to the ground using the supplied concrete screws. At the top end of the ramp place concrete screw through the pre-drilled holes in the ramp hook **(Fig. N)**, at the bottom end of the ramp use the holes in the support bracket angles to anchor the bottom end of the ramp to the ground. **(Fig. O)**