

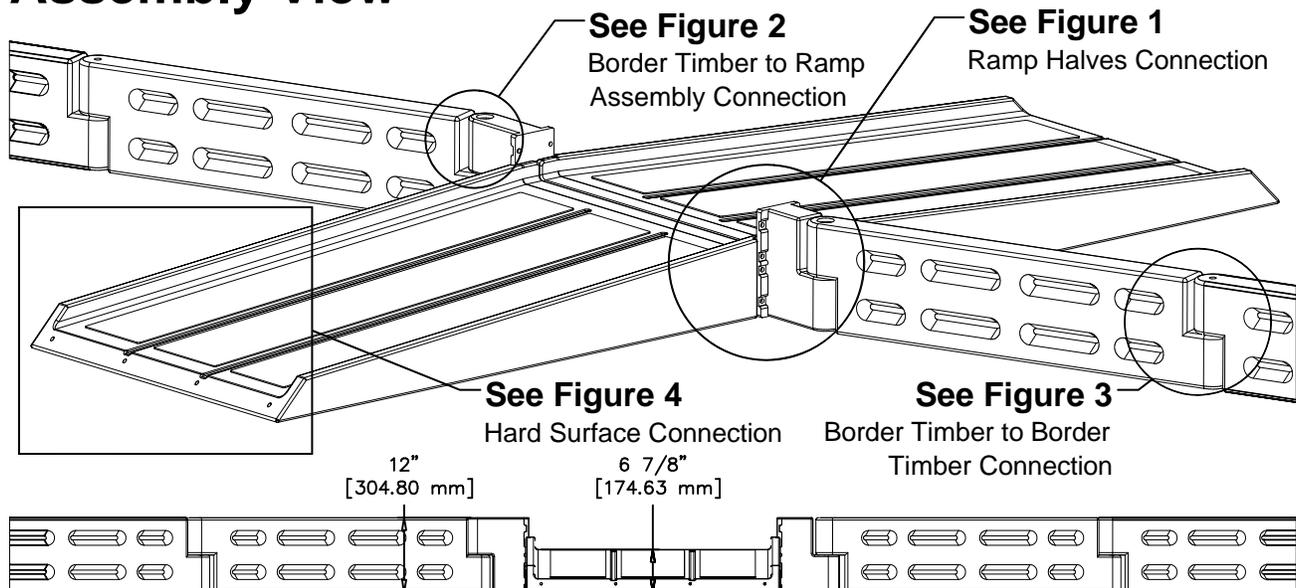
IMPORTANT NOTES: Read First

(A) Use liquid thread lock (such as Loctite®) with all threaded hardware. **Important:** Liquid thread lock (prior to curing) helps to eliminate the common problem of "thread seizure" in stainless steel hardware by serving as a lubricant during assembly.

(B) **Important:** For installation of Ramps over hard surfaces (i.e. concrete sidewalks, slabs, etc.) firmly attach bottom edge of Ramp (Half) using bolts and anchors. Concrete must be allowed to cure completely before using the equipment (at least 72 hours).

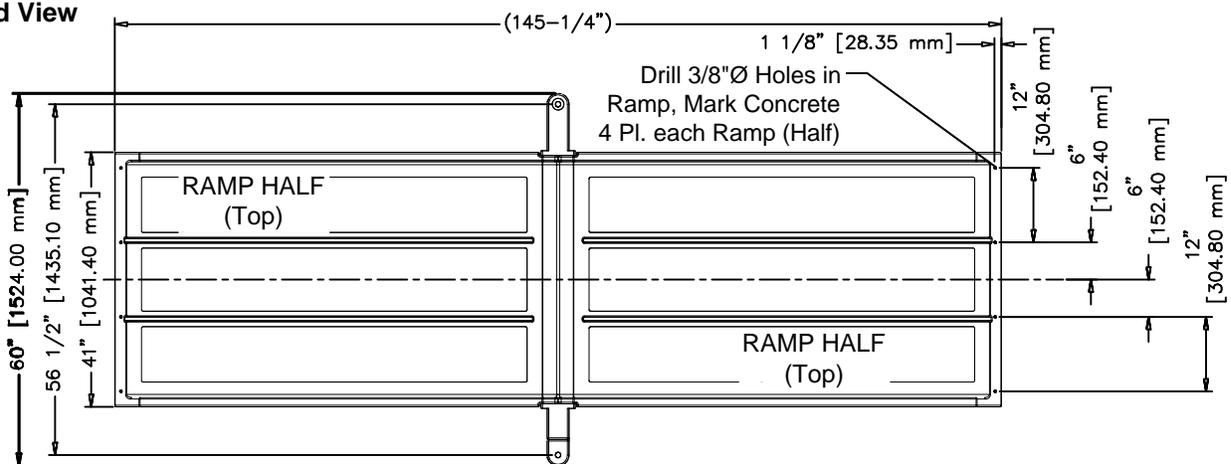
(C) The hardware shown in Figure 3 is the recommendation from the manufacturer and the concrete anchors are not included with the Equipment. This Figure is provided to show recommended installation of hard surface mounted Ramps.

Assembly View



Elevation

End View



Hard Surface Mount Diagram

Top View



Manufactured by Krauss Craft, Inc.
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Rev A

Figure 1

Ramp Halves Connection, 2 Pl.

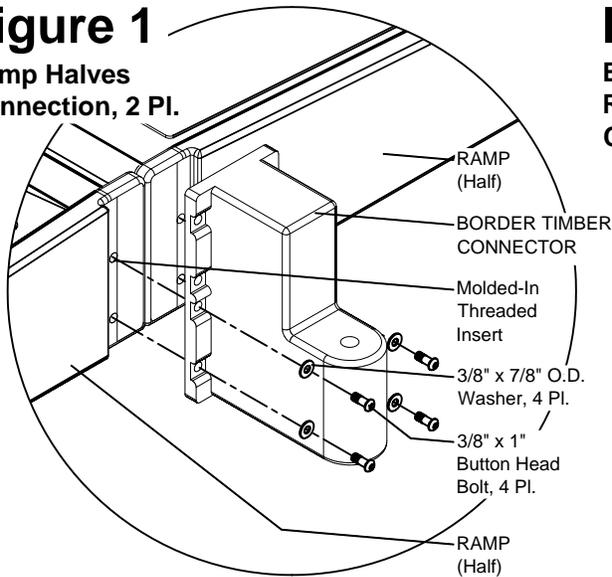
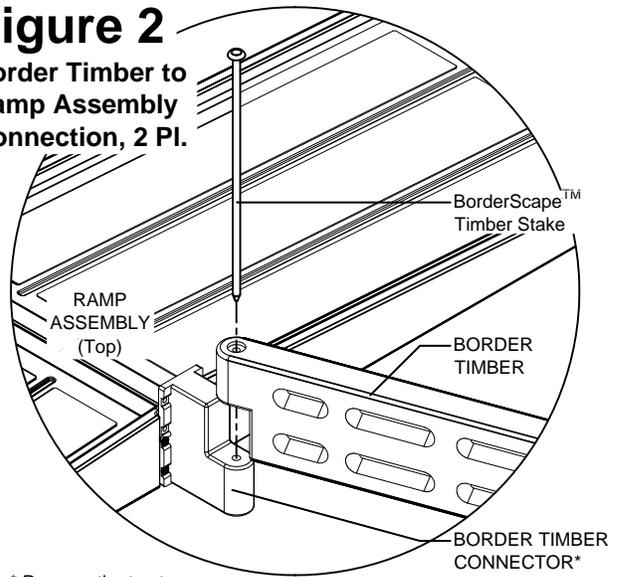


Figure 2

Border Timber to Ramp Assembly Connection, 2 Pl.



* Reverse the top to bottom orientation of Connector for opposite side of Ramp Halves

Figure 3

Border Timber to Border Timber Connection

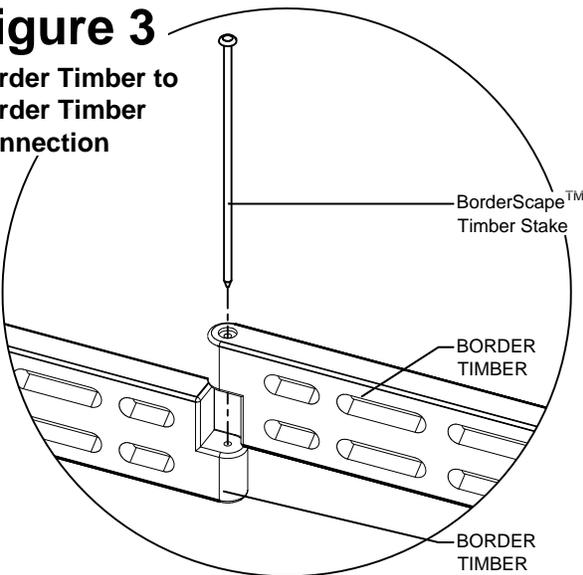
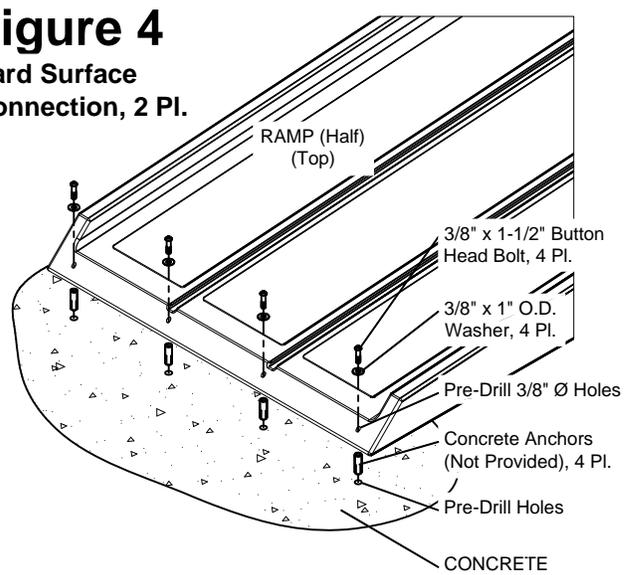


Figure 4

Hard Surface Connection, 2 Pl.



Parts List

<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
181205	Ramp Wheelchair Halves Black	2
181206	Border Timber Connector	2
541000	BorderScape™ Timber Stake	2
9103052-TR	Bolt Button Head 3/8" x 1"	8
9103072-TR	Bolt Button Head 3/8" x 1-1/2"	8
9333002	Washer Flat 3/8" x 1" x .100 thick	8
9333042	Washer Flat 3/8" x 7/8" O.D.	8

Border Timbers

<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
540407	Border Timber 4'L Black	-VARIES-
541000	Borderscape Timber Stake	1 per Border Timber

Specifications

RAMP WHEELCHAIR HALVES BLACK:

Shall be constructed of UV-stabilized, rotationally molded, Recycled Plastic with an average single wall thickness of 1/4" with a molded-in footing base. The Ramp Halves shall be approximately 41" wide and 72" in length with a sloped surface that is 9" thick at it's thickest side and less than 1/2" at the end.

BORDER TIMBER CONNECTOR (RAMP):

Shall be constructed of UV-stabilized, rotationally molded, Recycled Plastic with an average single wall thickness of 1/4" with a molded-in footing base. The Border Timber Connector shall be approximately 4" thick and 10" in length and 12" tall.

BORDER TIMBER 4'L BLACK:

Shall be constructed of UV-stabilized, rotationally molded, Recycled Plastic with an average single wall thickness of 1/4" with a molded-in footing base. The Border Timber shall be approximately 4" thick and 52" in length and 12" tall.

HARDWARE:

Shall be stainless steel, zinc/nickel plated or galvanized as required to resist rust and corrosion.

Installation

Step 1.

Loosely attach Ramp Halves using Border Timber Connector. Refer to Figure 1 for hardware type and orientation. **Important:** Border Timber Connectors **must be** installed with the top and bottom reversed for the opposite side of the Ramp Halves for connection to Border Timbers. See also Assembly View for additional details.

Step 2.

Install Border Timbers and connect to Ramp Assembly using Borderscape™ Timber Stakes. Refer to Figure 2 for hardware type and orientation.

Step 3. *Use this Step when installing Border Timbers without a Ramp Assembly*

Attach Border Timbers together using Borderscape™ Timber Stakes. Refer to Figure 3 for hardware type and orientation.

Step 4.

For installation of Ramp Halves over hard surfaces (i.e. concrete) refer to Figure 4. See also Hard Surface Mount Diagram and Notes B and C.

Step 5.

Apply liquid thread lock and fully tighten all fasteners according to the "TIGHTENING TORQUE FOR HARDWARE" Section of the Installation Manual. See Note A.

Maintenance

Periodically tighten all screws, bolts and nuts. A periodic inspection of all parts is necessary. If a part is broken or worn, replace immediately. For general maintenance please refer to our Playground Maintenance Manual.

