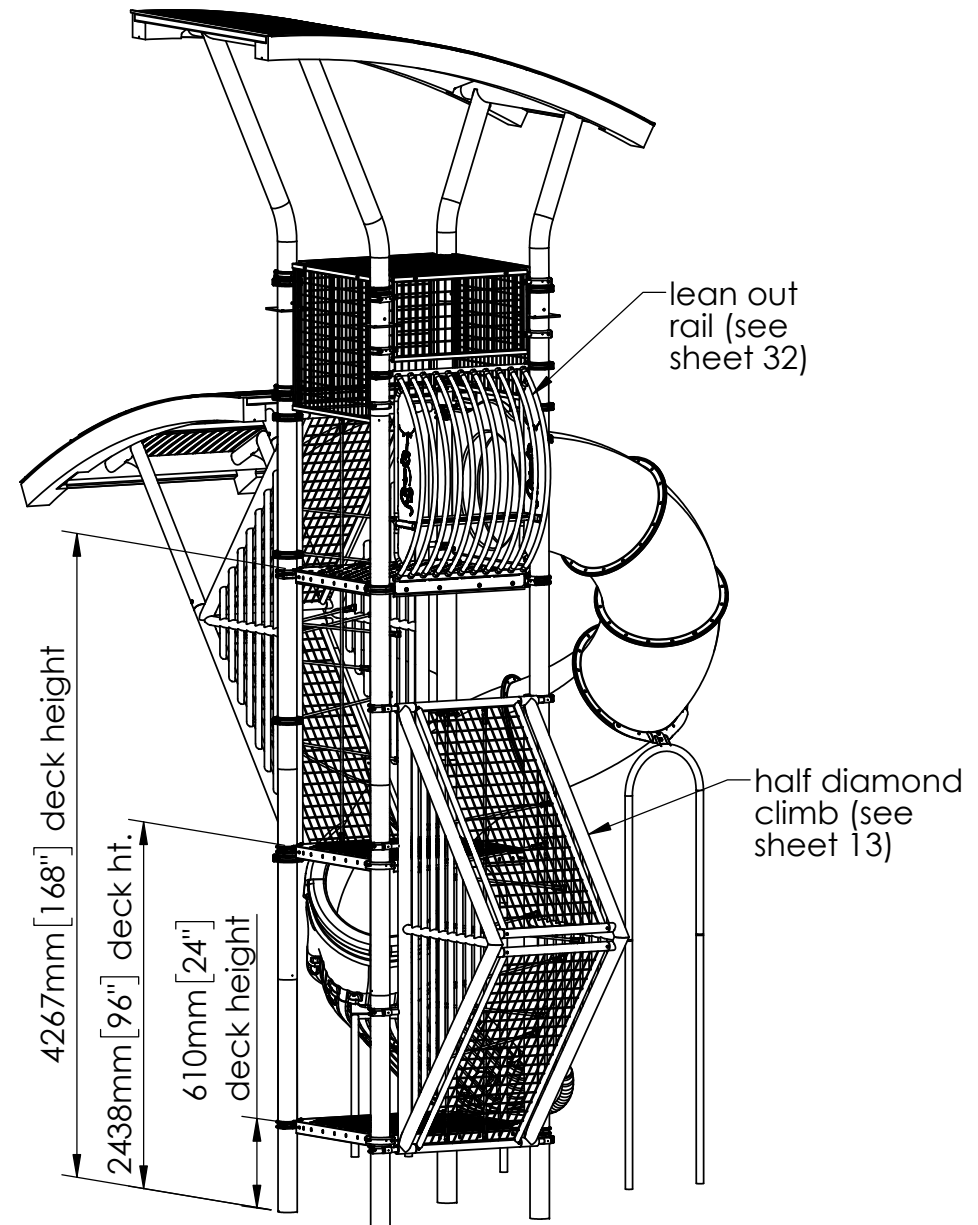
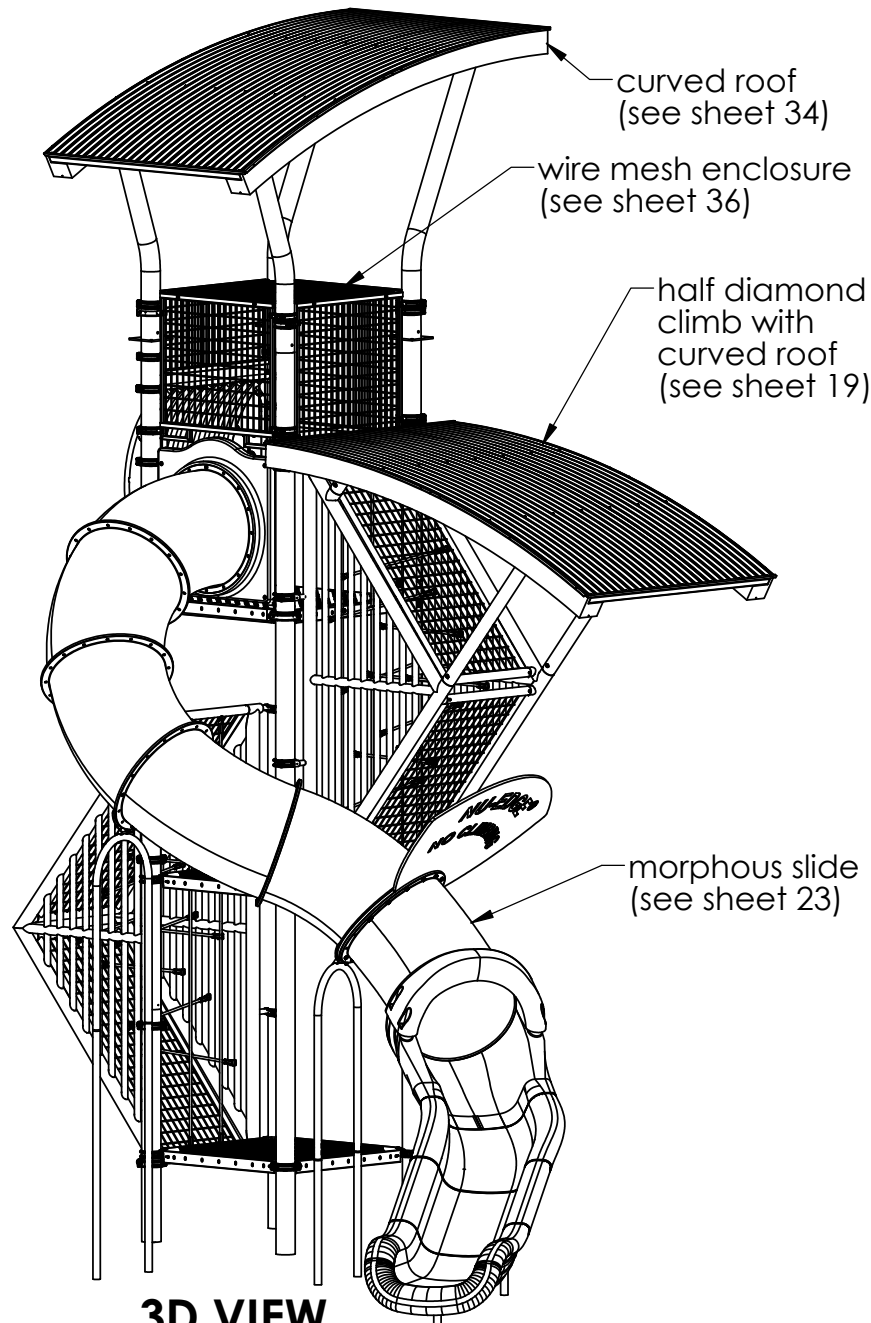


KB NU-EDGE X TOWER W/MORPHOUS 200203432

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GENERAL INFORMATION

ORDER OF ASSEMBLY:

- 1) Always read all instruction pages before starting the installation of your new NU-Edge X Tower structure.
- 2) Locate and identify all components then arrange them so that each event has its component parts in the same place.
- 3) Accurately mark the locations of the post footings with wooden stakes. (See Footing Layout on Sheet 5) This is your opportunity to check the orientation of the layout at your site and to make sure there is adequate area around the structure(s) for a "Fall Zone".
- 4) Make sure your site is level and has been cleared of all debris, tree roots, or rocks.
- 5) Dig footing holes. See deck post footing details on sheet 12. See installation instruction KB000003 for slide mid support footings (use the KB inground post footings) and the runout footings (use the KB inground playevent footings). Make sure all posts are level to each other (it is recommended to use a transit or a laser to verify hole depths).
- 6) Start with the **lowest deck at 610mm [2']** above the finished playground surface. Mark the four deck posts for the first two deck heights, making sure you base the heights of the decks off of the bottoms of the posts - for example, the mark for the top of the 610mm [24"] deck should be located at 1931mm [76"] (1321mm [52"] footing plus 610mm [24"] for the deck height) off of the post bottoms.
- 7) Place the four posts in the proper footings (see sheet 12 for deck post footing detail) and install the first deck. Install the **middle deck at 2438mm [8']** above the finished playground surface.
- 8) Make sure all four posts are plumb and both decks are level.
- 9) Install the shorter (non-swaged) posts on the four posts. Mark the location of the **highest deck at 4267mm [14']** above the finished playground surface. Install the highest deck. Make sure all four posts are still plumb and check all three decks for level.

10) Next **install the events** on these decks as shown in the following pages.
NOTE: make sure the gap between the posts is maintained at 1092mm [43"] at all locations. This becomes increasingly important the higher up the structure you progress. One way to help ensure this occurs is to cut several 2 x 4 boards 1092mm [43"] and use them to gap the posts while installing events. Pay close attention to clamp orientation in the DETAILS of the individual events. In general, the ear of the clamp on the deck side of the panel should be towards the panel.

11) Install the **chosen panels or playevents on the open deck edges** (see sheet 3). These will have separate installation instructions.

12) Verify that all of the hardware is tight.

13) At this point in the install, it is recommended to complete the footings and let cure overnight (after one last check for level/plumb).

14) Check for level/plumb, tighten all hardware. Complete the curved tunnel slide footings.

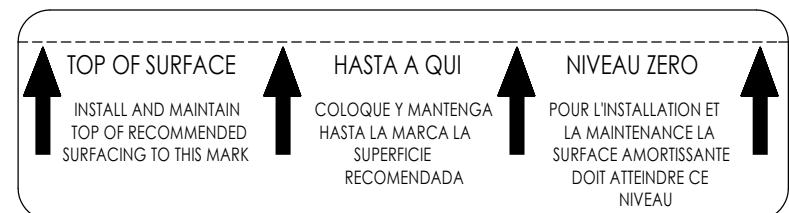
15) Cover the entire area under and around the structure with adequate resilient surfacing. Refer to your playground layout drawing for dimensions of required fall zone.

IMPORTANT:

All play events have been designed and engineered to meet all safety guidelines, but if installed improperly, problems may occur such as protruding hardware, entrapment gaps between 76mm [3"] to 254mm [10"], or string entanglements. Any accessible bolt ends that protrude beyond the face of the nut more than two threads should be trimmed off and peened by the installer. Once your installation is complete, always inspect your work and the manufacturer's assembly instructions.

LABELS (see example below):

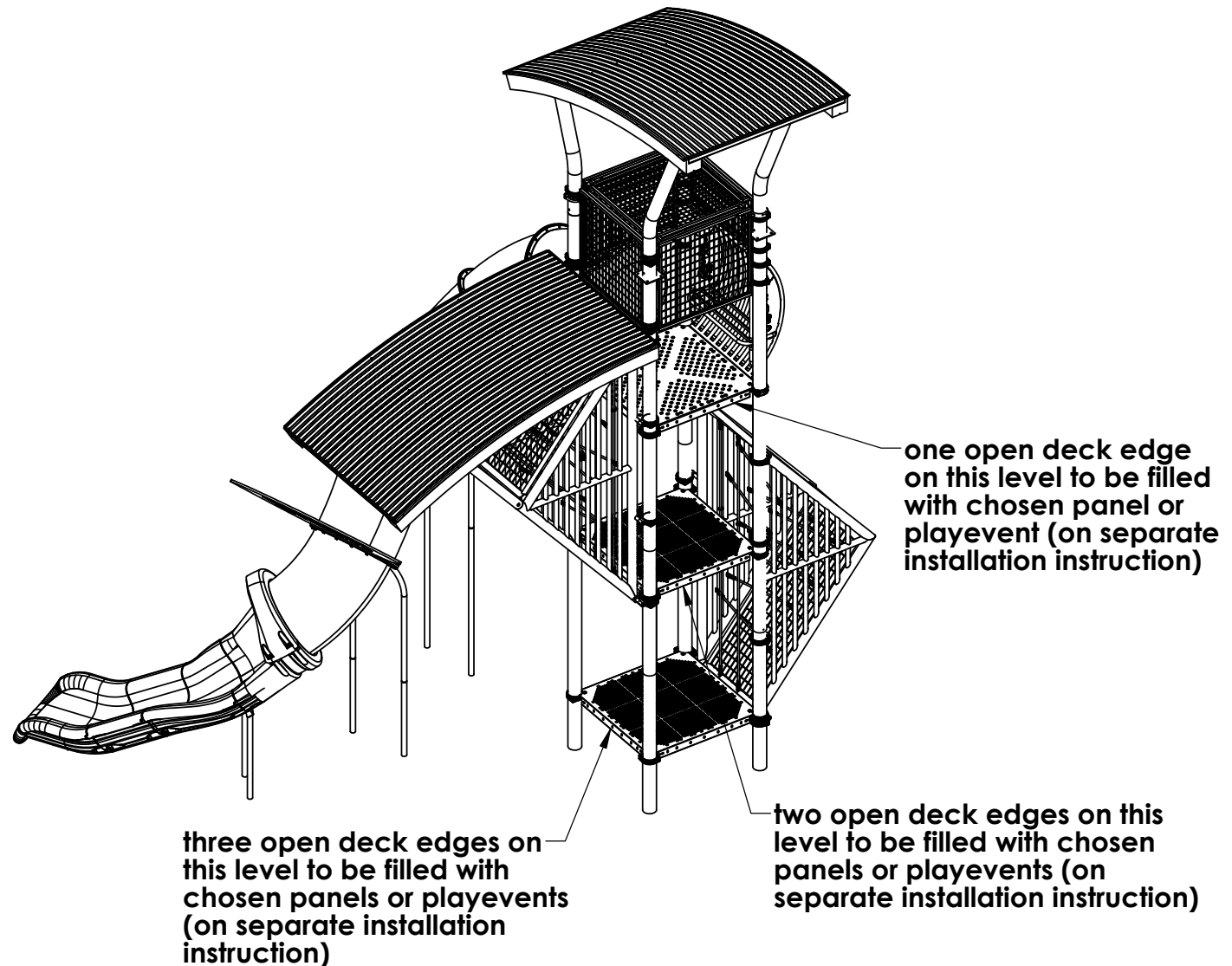
Surfacing labels have been provided to assist with the installation of your ground cover. After installing your ground cover, these labels should be placed on posts by the installer. Attach a label to a post so that the line is level with the ground cover. As erosion or compaction of the surfacing occurs, the line will be visible. This will indicate that it is time to add material to your surfacing. If the surfacing is worn away, it greatly reduces its effectiveness.



GENERAL INFORMATION

IMPORTANT: NU-Edge X Tower structures are different from typical play structures. It is necessary to be prepared to safely handle the taller events. It is recommended that you have at the minimum 3 tall ladders (self supporting). A man lift or scaffolding or a crane would be even better. Machinery capable of lifting 500 lbs. seven feet above the top of the of the existing posts is required for the curved roof installations. Also some rope and pulleys would be helpful with lifting some of the heavier events up into place.

In all cases take your time and be safe.



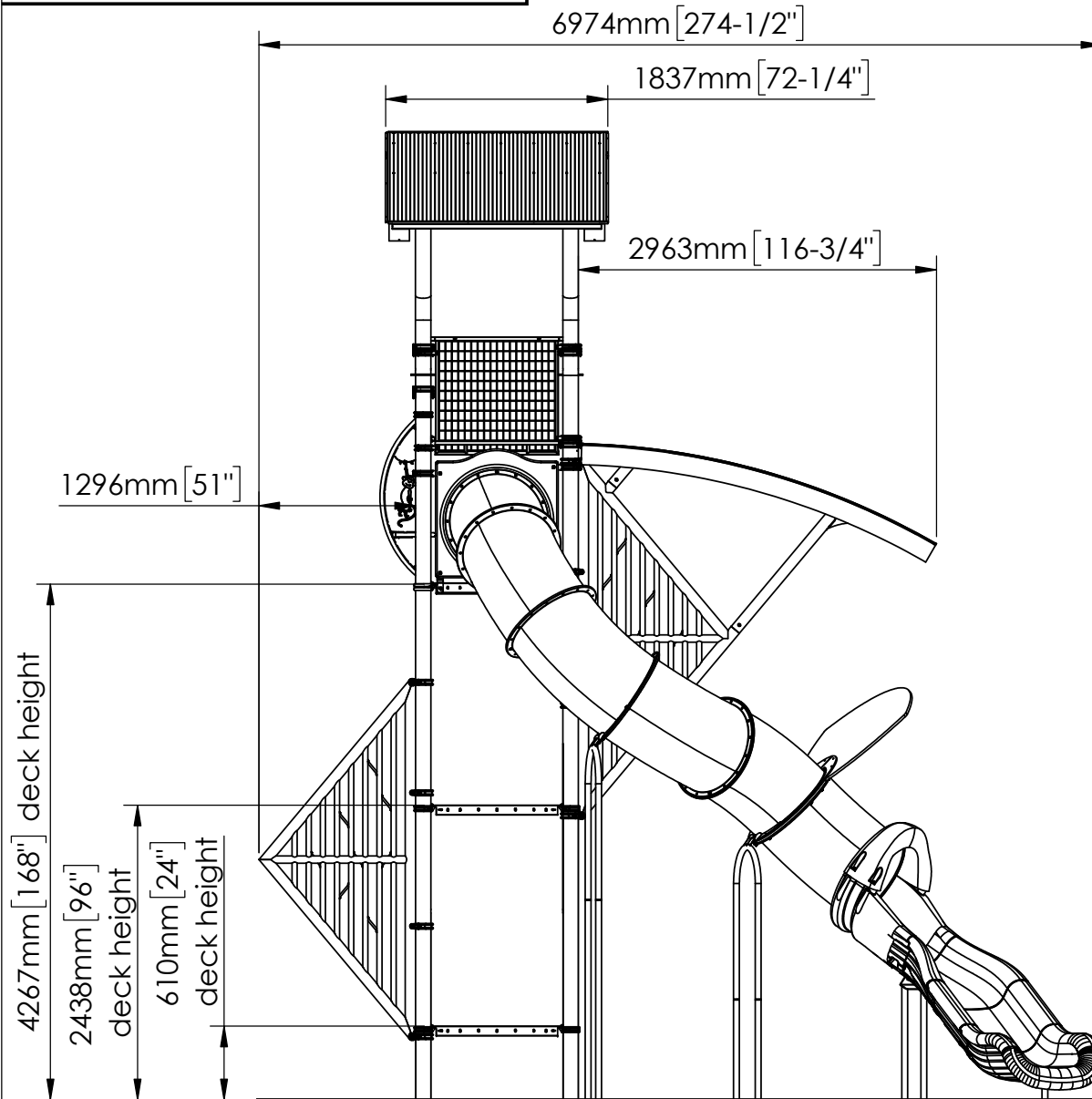
OPEN DECK EDGES TO BE FILLED

INST KB NU-EDGE X TOWER W/MORPHOUS

KB300501F
SHEET 4 OF 38

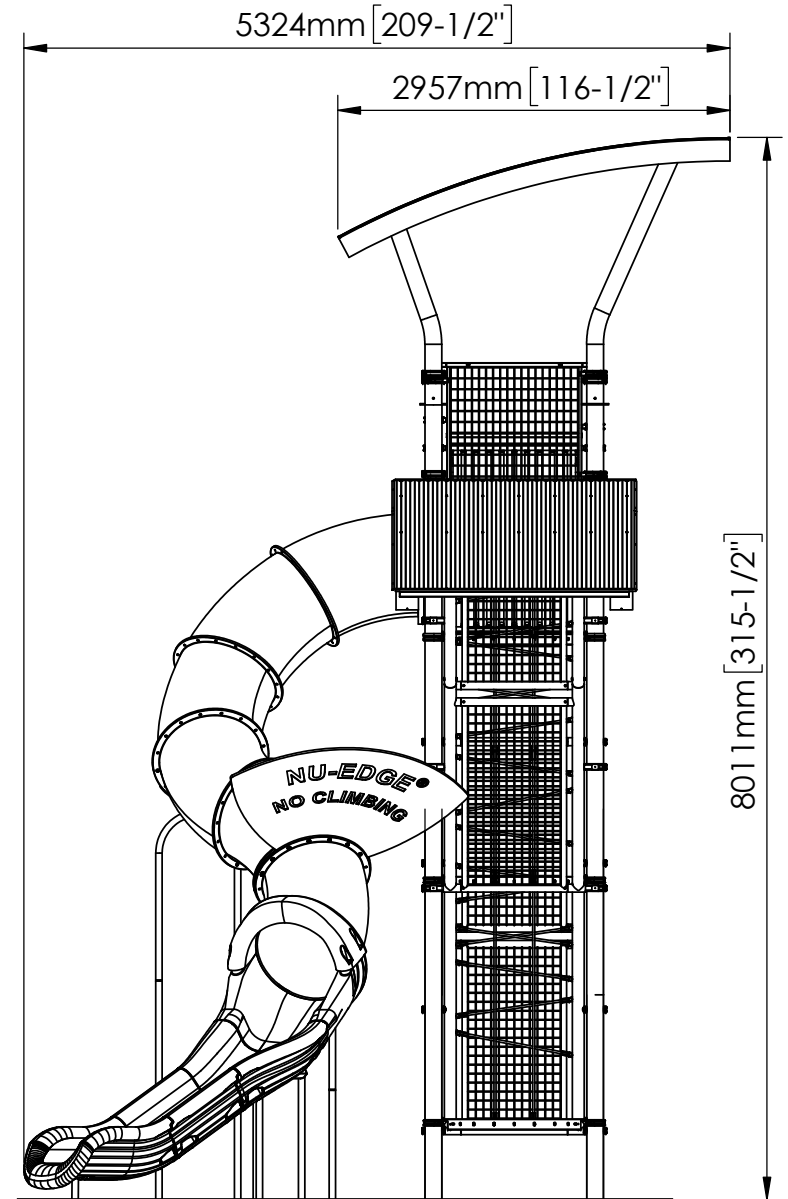
AUTHORIZED BY: 05MAY22
TRACY ARCHER

GENERAL INFORMATION



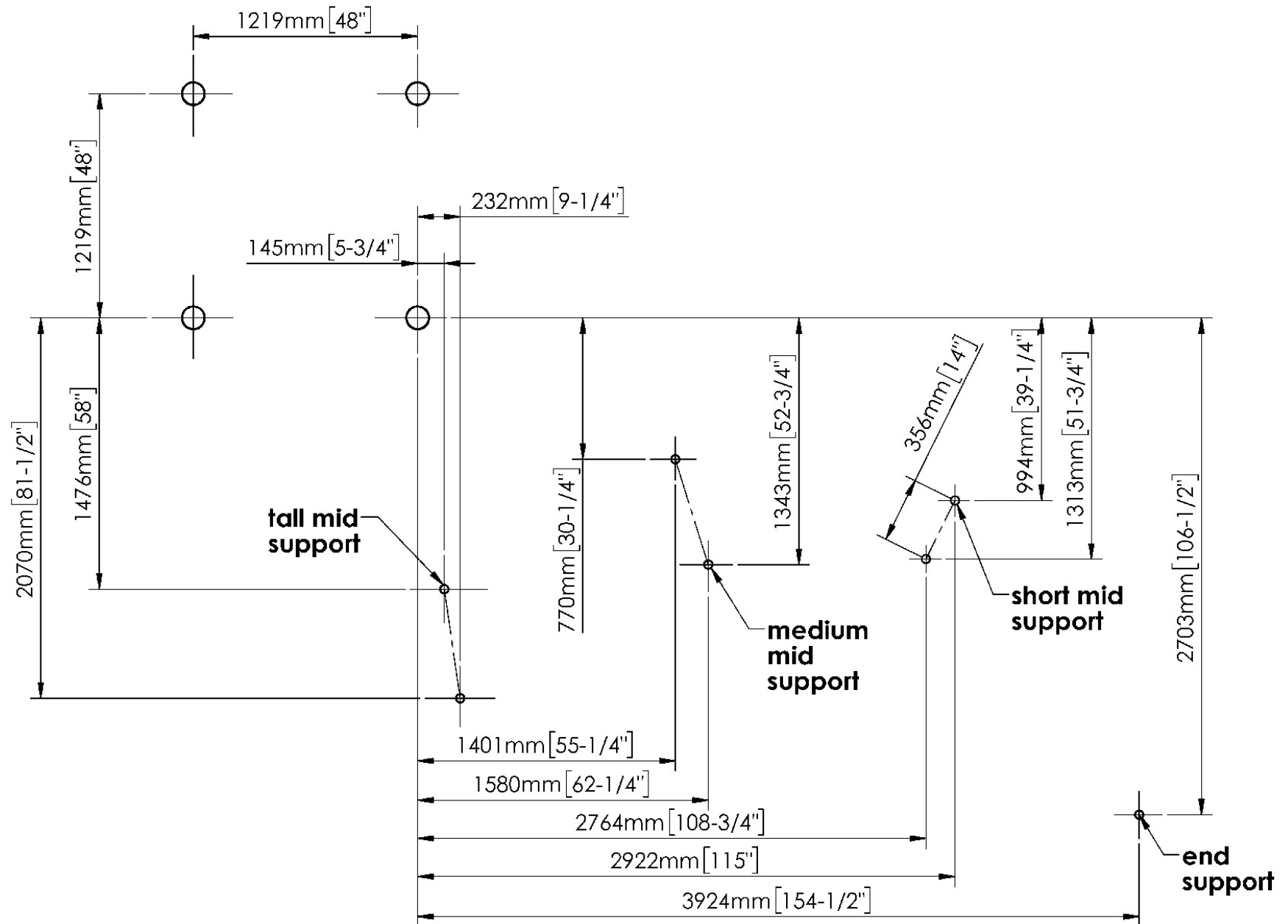
FRONT VIEW

finished
playground
surface



SIDE VIEW

FOOTING LAYOUT



INST KB NU-EDGE X TOWER W/MORPHOUS

KB300501F

SHEET 6 OF 38

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PARTS LIST (continued on next sheet)

Note: An (*) by a Part No. indicates: Color Code Required

ITEM	PART NO.	DESCRIPTION	QTY
1	910442*	DECK SQUARE KB SM HOLE 11GA	3
2	909383*	DECK CLAMP F/5" TUBE	12
3	906849*	KB 168 7GA POST SWAGE ING	4
4	909630*	POST 10' GALVANIZED WITHOUT CAP	4
5	908002*	FRAME LFT F/DIAMOND CLIMB WELDED ASSY	1
6	908001*	FRAME RGT F/DIAMOND CLIMB WELDED ASSY	1
7	908023*	PANEL F/DIAMOND CLIMB WELDED ASSY	4
8	907532BLK	ROPE 898MM F-DIAMOND CLIMB	18
9	907533BLK	ROPE 2838MM F-DIAMOND CLIMB	4
10	910342*	RAIL CLAMP W/WEDGE/30 DEG.ATTCH	16
11	907510*	FRAME LFT F/DIAMOND CLIMB W/ROOF ASSY	1
12	907508*	FRAME RGT F/DIAMOND CLIMB W/ROOF ASSY	1
13	903943DBW	ASSY F/NU-EDGE CURVED ROOF	2
14	902770*	TALL DIA CLIMB ROOF SUPPORT	1
15	902769*	SHORT DIA CLIMB ROOF SUPPORT	1
16	908743*	PANEL ARCH TUNNEL KB DKMT	1
17	908750*	ELBOW TUN 35 DEG. M/M	1
18	908753*	ELBOW TUN 35 DEG. M/F	5
19	908551*	QUANTUM ASSY MORPHOUS-RSE	1
20	909847*	SUPPORT SLIDE 3936 F/SB ING	1
21	909854*	SUPPORT SLIDE 3060 F/SB ING	1
22	910408*	MID-SUPP 1696 QUAN 3-TAB ING	1
23	909841*	BRACKET SLIDE F/KB SKYBUILDER	2
24	911326*	END SUPP 939 QUANTUM SLIDE ING	1
25	910452*	TAB F/PANEL MOUNTING F/KB (2001)	2
26	929371*	SLIDE BARRIER F/NU-EDGE	1
27	909321*	PANEL CLAMP F/KB PANELS	2
28	907121*	PANEL MONKEY LEANOUT SEAT F/NU-EDGE TOW	1
29	910908*	CLAMP HALF F/FIRE-TRUCK LADDER	2
30	903917*	SUPP FRONT F/KB NU-EDGE CRVD ROOF	1
31	903918*	SUPP BACK F/KB NU-EDGE CRVD ROOF	1
32	907143*	NU-EDGE TOWER ENCL TOP	1

INST KB NU-EDGE X TOWER W/MORPHOUS

KB300501F

SHEET 7 OF 38

PARTS LIST (continued on next sheet)

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ITEM	PART NO.	DESCRIPTION	QTY
33	907147*	NU-EDGE TOWER ENCL TALL	2
34	907152*	NU-EDGE TOWER ENCL SLIDE	1
35	907156*	NU-EDGE TOWER ENCL LEANOUT	1
36	912301*	SQTB CLAMP F/KB	16
37	910831*	CLAMP FOR 5" TUBE	1
38	200000733	SPACER WEDGE ALUM. F/KB CLAMP F/SLOT	16
39	200142931	ROD THREADED M8 X 75MM-PARTS ROOM	4
40	102423	TUBE2mIBLUE THREADLOCKER VIBRA-TITE12102	1
41	HW302679-1	HRDW PKG KB/PB NU-EDGE CRV RF S1/1	2
42	HW3414-1	HRDW PKG F/NUEDGE-X DIAMOND CLMB M1/1	3
43	HW34152-1	HRDW PKG F/NUEDGE-X LEAN OUT S1/1	1
44	HW34153-1	HRDW PKG F/NUEDGE-X DIA CLMB RF M1/1	1
45	HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	24
46	HW3432-1	HRDW PKG F/NUEDGE MORPH SLD L1/1	1
47	HW34320-1	HRDW PKG F/MORPH SLD CONNECTION S1/1	1
48	HW34151-1	HRDW PKG F/NUEDGE-X ENCLS M1/1	1
49	HW34154-2	HRDW PKG F/NUEDGE-X TUN SLD L2/2	1
50	929372*	SPACER F/NU-EDGE SLIDE BARRIER	2
51	929373LGY	PLATE F/NU-EDGE SLIDE BARRIER	2
52	929374	PARTS CARTON F/NU-EDGE SLIDE BARRIER	1

ITEM	PART NO.	DESCRIPTION	QTY
53	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	8
54	300002750	SCREW T-27 TORX ROUND WASHER HD	8
55	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	8
56	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	8

INST KB NU-EDGE X TOWER W/MORPHOUS

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PARTS LIST (continued on next sheet)

	HW3414-1	HRDW PKG F/NUEDGE-X DIAMOND CLMB M1/1	
ITEM	PART NO.	DESCRIPTION	QTY
53	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
54	300002750	SCREW T-27 TORX ROUND WASHER HD	12
55	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	2
57	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	22
58	200002133	BOLT M8 X 1.25 MALE 27.5 MM	22
59	200066126	DRIVER BIT T-27 TAMPER-RESISTANT F/PB	1

	HW34152-1	HRDW PKG F/NUEDGE-X LEAN OUT S1/1	
ITEM	PART NO.	DESCRIPTION	QTY
53	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	4
54	300002750	SCREW T-27 TORX ROUND WASHER HD	2
55	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	4
59	200066126	DRIVER BIT T-27 TAMPER-RESISTANT F/PB	1
60	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	4
61	117007	WASHER 7/16 FLAT 18-8 SS	4

	HW34153-1	HRDW PKG F/NUEDGE-X DIA CLMB RF M1/1	
ITEM	PART NO.	DESCRIPTION	QTY
54	300002750	SCREW T-27 TORX ROUND WASHER HD	8
55	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	6
59	200066126	DRIVER BIT T-27 TAMPER-RESISTANT F/PB	1
62	200002010	SCREW MACH BUTTON HEAD M10 X 1.5 X 16mm	2

	HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	
ITEM	PART NO.	DESCRIPTION	QTY
53	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	4
63	200000797	HAMMER DRIVE PIN 4.7 X 11.11MM	4
64	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	4

INST KB NU-EDGE X TOWER W/MORPHOUS

KB300501F

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PARTS LIST

	HW3432-1	HRDW PKG F/NUEDGE MORPH SLD L1/1	
ITEM	PART NO.	DESCRIPTION	QTY
53	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	3
55	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	54
57	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	7
60	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	91
65	200002142	BOLT M8 X 1.25 MALE 57.5 MM	8
66	200097726	SCREW MACH BUTTONHEAD M10 X 1.5 X 38MM	2
67	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	15
68	200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20MM	16
69	104921	BOLT 3/8-16 X 1 1/4 BHCS 6 LOBE 18-8 SS	2

	HW34320-1	HRDW PKG F/MORPH SLD CONNECTION S1/1	
ITEM	PART NO.	DESCRIPTION	QTY
55	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	10
57	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	4
65	200002142	BOLT M8 X 1.25 MALE 57.5 MM	4

	HW34151-1	HRDW PKG F/NUEDGE-X ENCLS M1/1	
ITEM	PART NO.	DESCRIPTION	QTY
55	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	48
57	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	24
58	200002133	BOLT M8 X 1.25 MALE 27.5 MM	16
65	200002142	BOLT M8 X 1.25 MALE 57.5 MM	8

	HW34154-2	HRDW PKG F/NUEDGE-X TUN SLD L2/2	
ITEM	PART NO.	DESCRIPTION	QTY
53	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	65
55	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	154

INST KB NU-EDGE X TOWER W/MORPHOUS

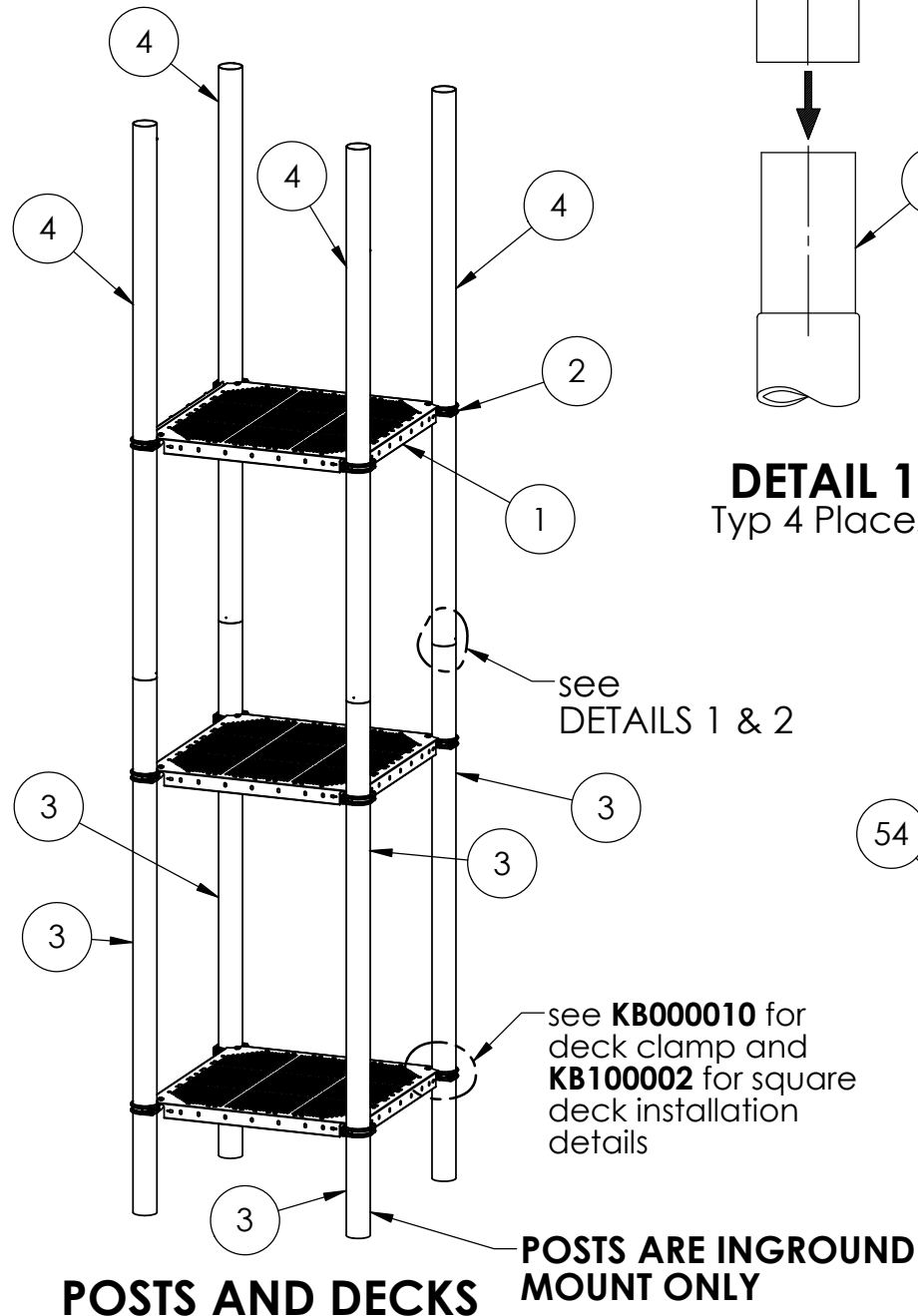
KB300501F
SHEET 10 OF 38
AUTHORIZED BY: 05MAY22
TRACY ARCHER

PARTS LIST

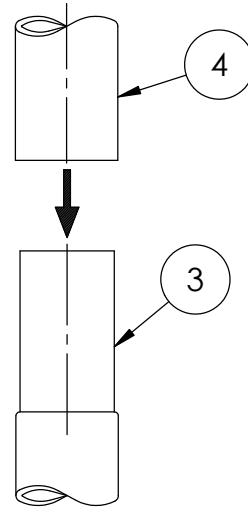
	929374	PARTS CARTON F/NU-EDGE SLIDE BARRIER	
ITEM	PART NO.	DESCRIPTION	QTY
70	200002150	SCREW MACH BUTTONHEAD M10 X 1.5 X 55 MM	14
58	200002133	BOLT M8 X 1.25 MALE 27.5 MM	5
71	117005	WASHER 3/8 X 1 O.D. FLAT 18-8 SS	35
55	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	2
60	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	18
57	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	5
53	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	1
66	200097726	SCREW MACH BUTTONHEAD M10 X 1.5 X 38MM	1
72	104480	BIT 6 LOBE T-45 FOR 3/8 BOLTS	1
73	200001175	T-45 TAMPER PROOF DRVR BIT (T45)	1

POSTS/DECKS ASSEMBLY

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TRACY ARCHER



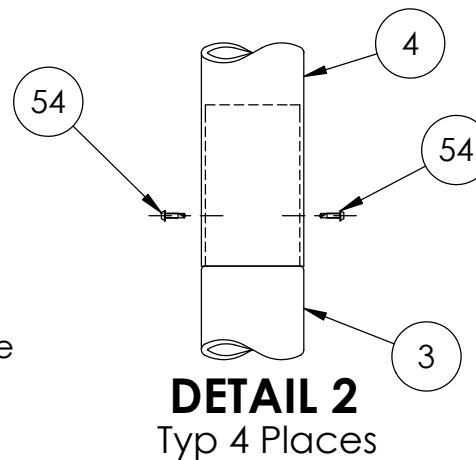
DETAIL 1
Typ 4 Places



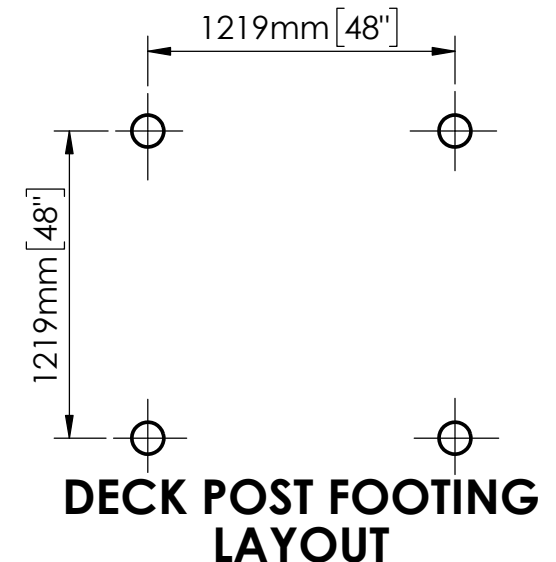
Installation Instructions

1. Make sure lower posts are put in proper locations and are level. See sheet 12 for deck post footing details.
2. Install decks and upper posts (see sheet 2 and KB000010 and KB100002 for installation details). Upper posts are installed over swaged ends of lower posts as shown in DETAIL 1.
3. After playground is fully installed, drill two 5mm [3/16"] holes in each post coupling as shown in DETAIL 2.
4. Install self drilling screws using the driver bit (item 59).

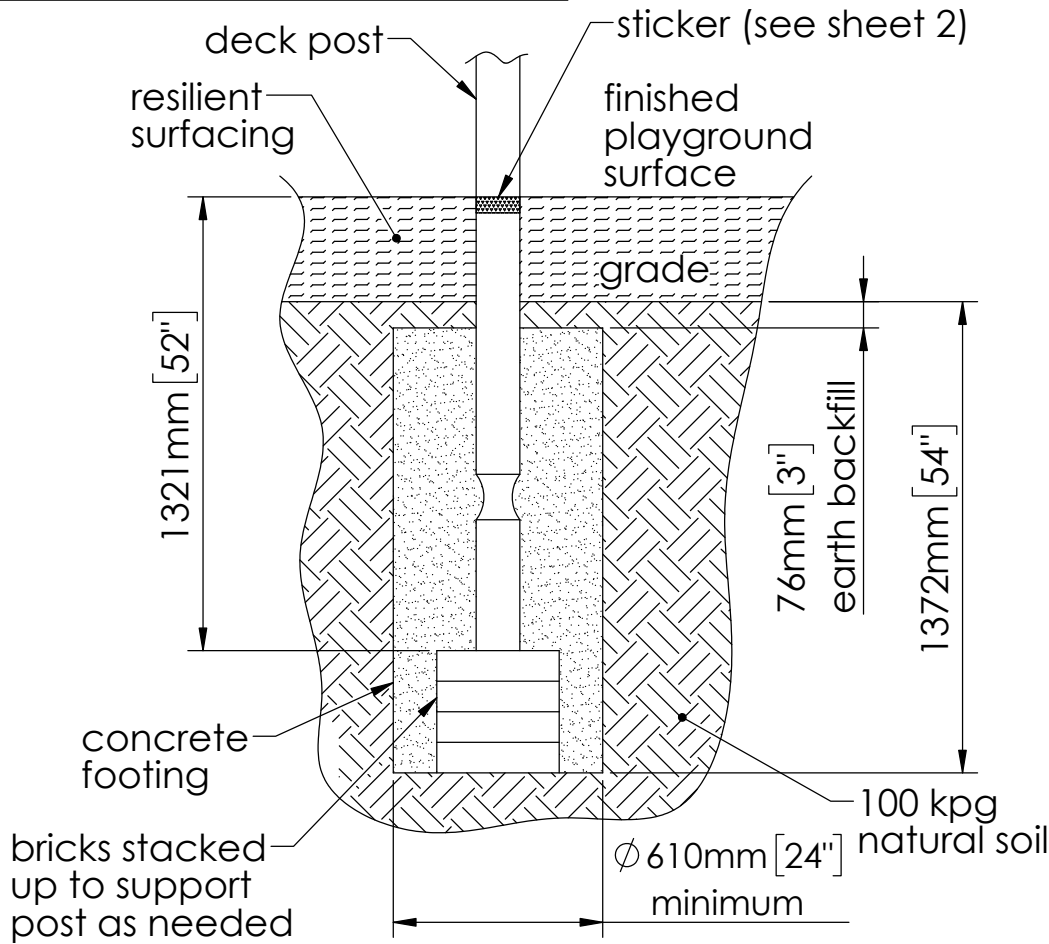
NOTE: do not exceed 105 inch-pounds of torque when installing screws to post.



DETAIL 2
Typ 4 Places



POSTS/DECKS ASSEMBLY



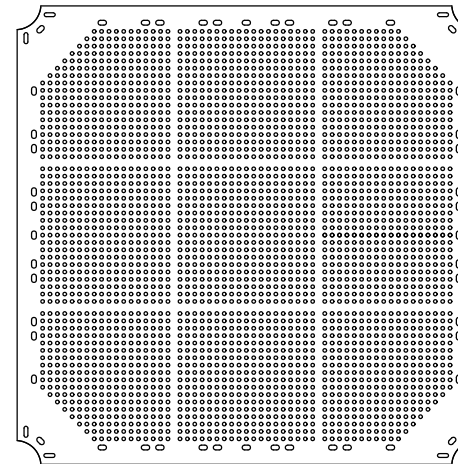
DECK POST FOOTING

HOW MUCH CONCRETE?

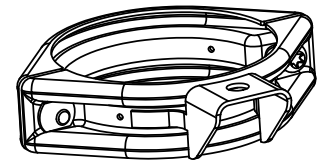
VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:
 $= 0.067 \text{ M}^3 \times [\text{concrete depth(mm)}/915] \times \text{No. of footing holes} = \text{M}^3$
 $= 0.087 \text{ Yard}^3 \times [\text{concrete depth (in)}/36] \times \text{No. of footing holes} = \text{Yard}^3$

NOTES: - TO CALCULATE CUBIC FEET, MULTIPLY CUBIC YARD BY 27
 - 94 lbs OF CONCRETE = 1 CUBIC FOOT.

1



2

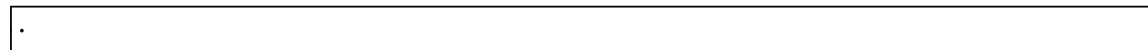


3



swaged end

4

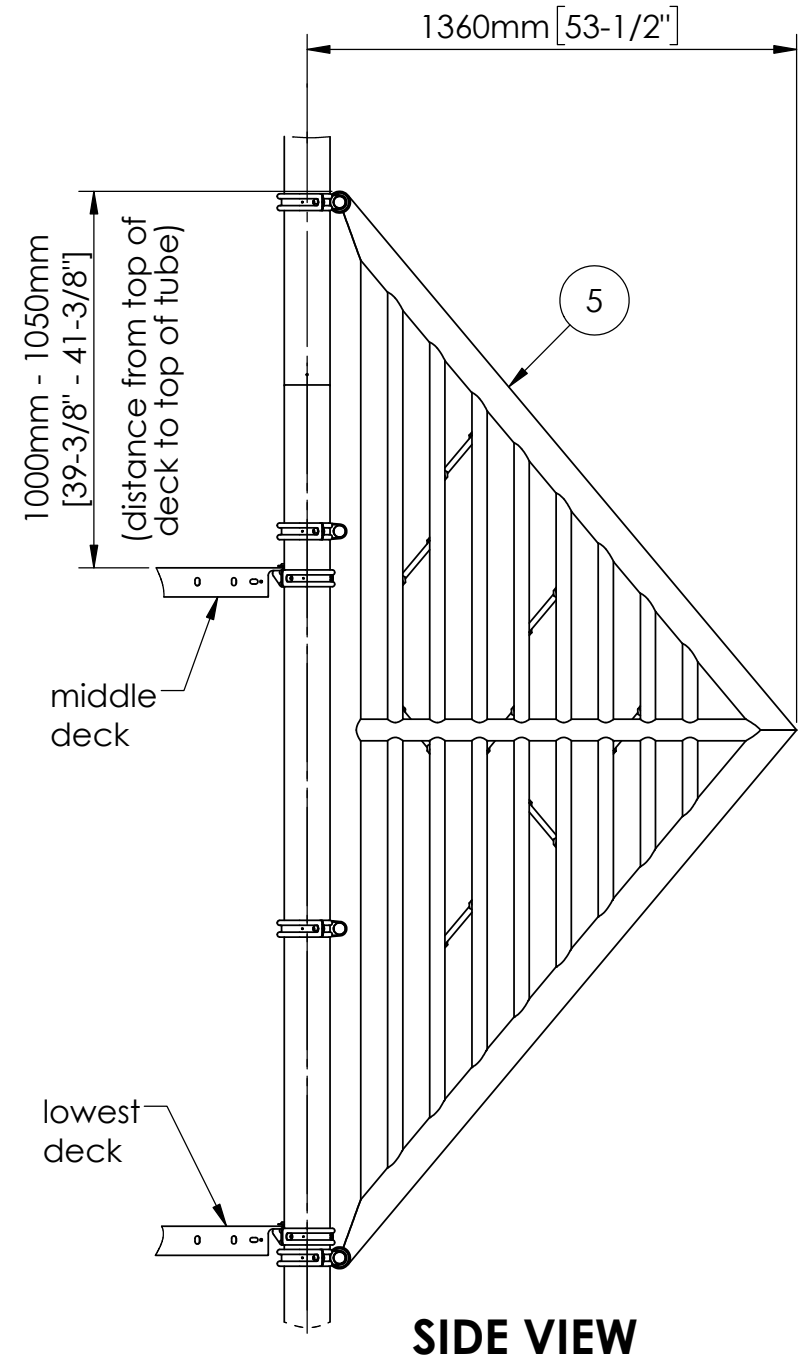
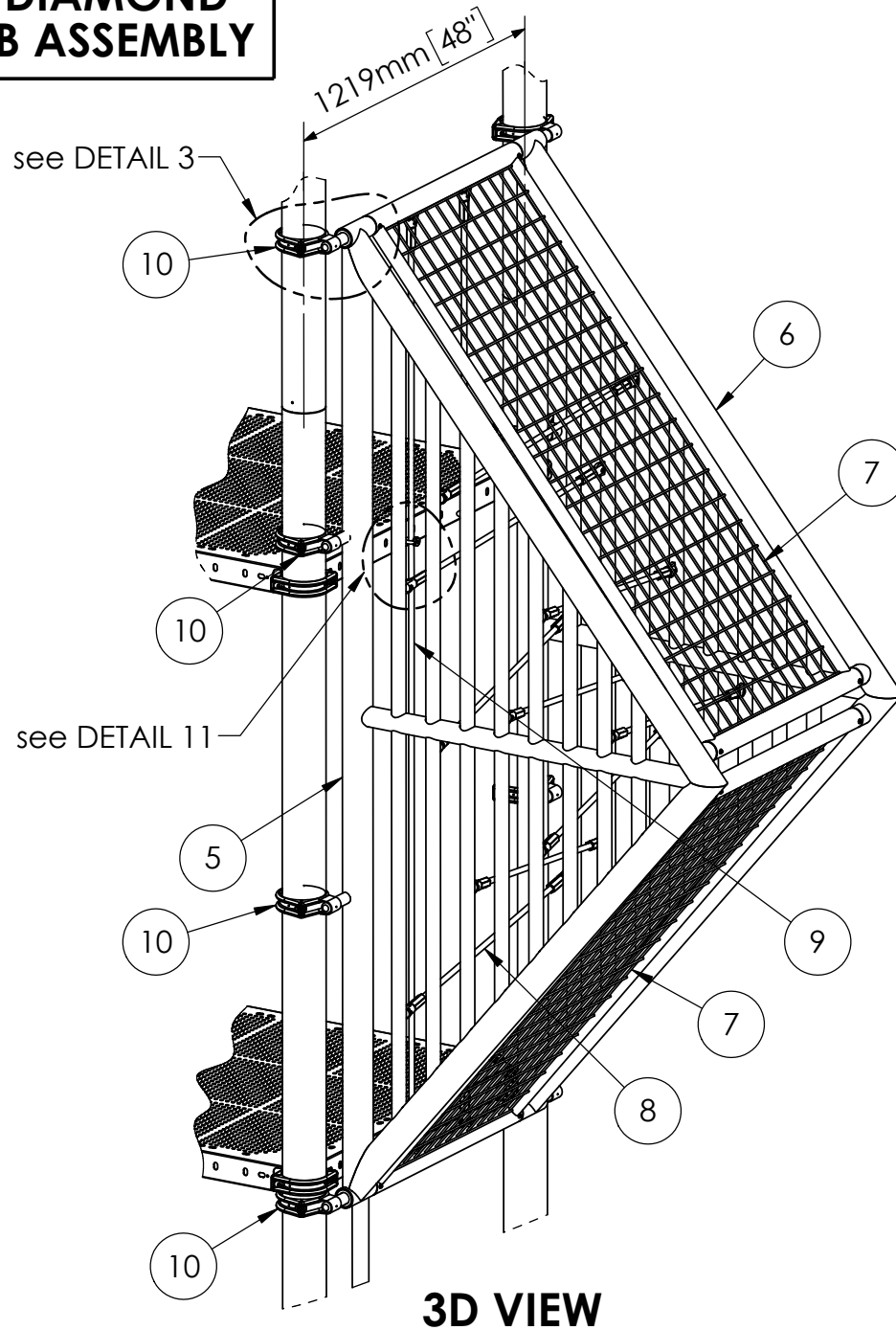


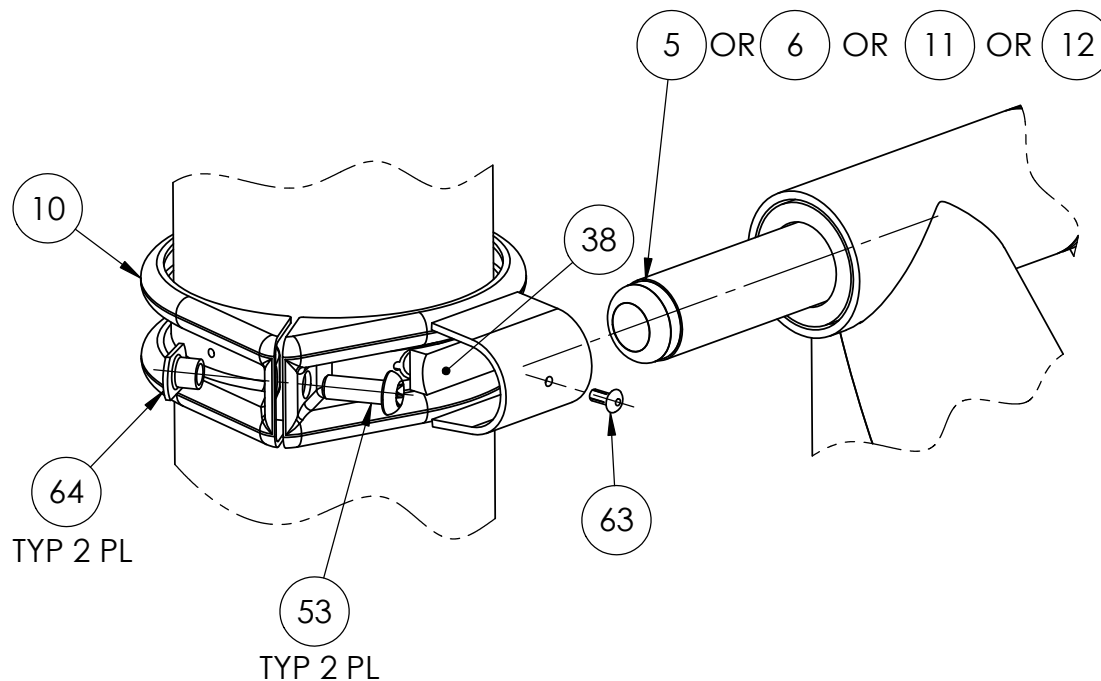
INST KB NU-EDGE X TOWER W/MORPHOUS

KB300501F
SHEET 13 OF 38

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TRACY ARCHER

HALF DIAMOND CLIMB ASSEMBLY



HALF DIAMOND CLIMB ASSEMBLYAUTHORIZED BY: 05MAY22
TRACY ARCHER**DETAIL 3**
Typ 8 Places

1. Climber should be completely assembled on ground first and then lifted into position (Refer to DETAIL 4 on sheet 16). Attach rectangular panels to left and right frames as shown in DETAILS 5 and 6. Make sure tabs on rectangular panels are facing inward as shown in DETAIL 7. Attach using Driver Bit (item 59). **NOTE: Do Not exceed 105 in-lbs torque when installing screws to post.**

2. Attach short ropes to assembled frame as shown in DETAILS 8 and 10 on sheets 17 and 18.

3. Attach long ropes (With pre-assembled pad eye) to frame as shown in DETAILS 9 and 11 on sheets 17 and 18.

4. Loosely attach wedge clamps with spacers to stubs on assembly as shown in DETAIL 3. See front of manual for additional clamp installation details. Two clamps will be above deck and two clamps will be below deck on each post.

5. Lift assembly and place on posts at correct height as shown in SIDE VIEW on sheet 13. Attach wedge clamps to post as show in DETAIL 3. Make sure assembly is at the proper height and tighten clamps

6. Slide pad eyes (pre-attached to long ropes) up to deck face slots. Attach to deck face as shown in DETAIL 11 on sheet 18. Verify that the bolt does not protrude through the pre-installed pad eyes. Use additional washers between the bolt head and the deck face as spacers, if required.

7. Check for level, tighten all hardware, install hammer drive pins, and install resilient safety surfacing.

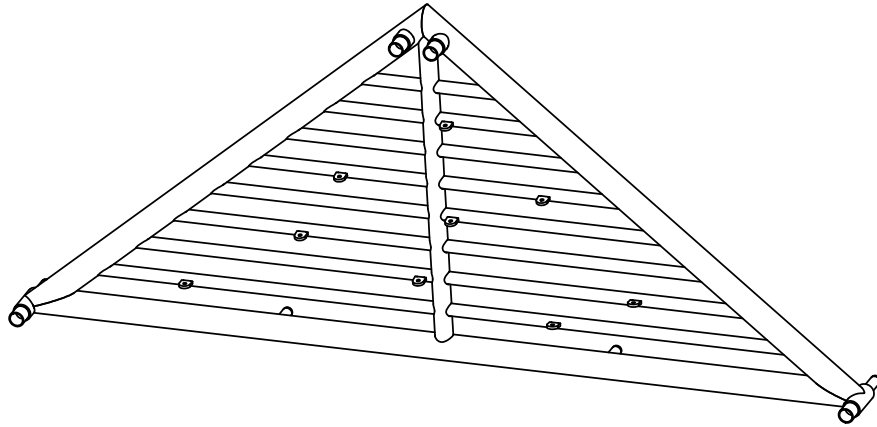
INST KB NU-EDGE X TOWER W/MORPHOUS

KB300501F
SHEET 15 OF 38

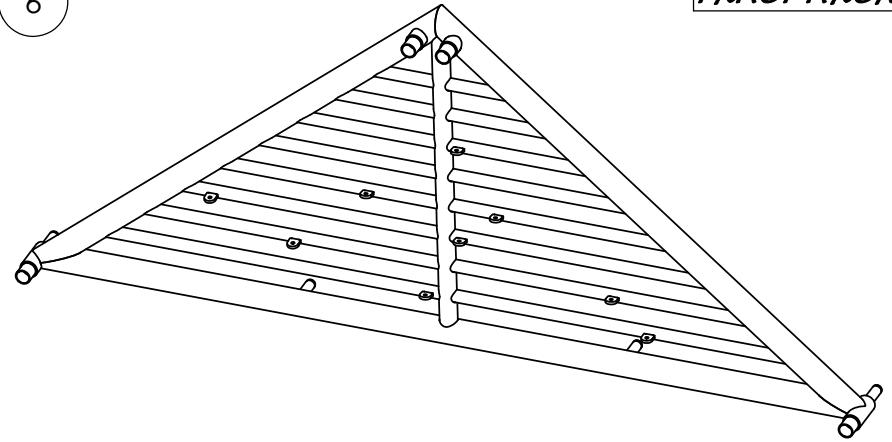
HALF DIAMOND CLIMB ASSEMBLY

AUTHORIZED BY: 05MAY22
TRACY ARCHER

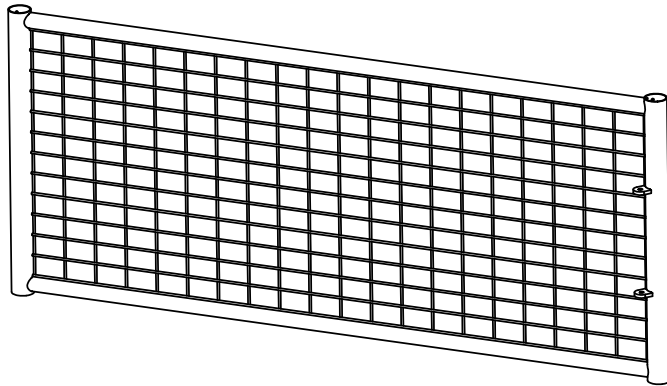
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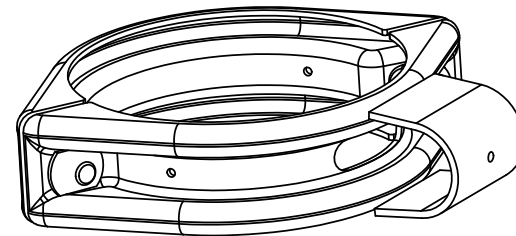
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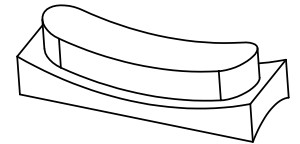
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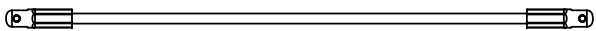
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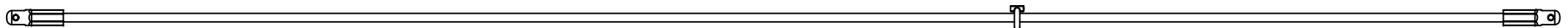
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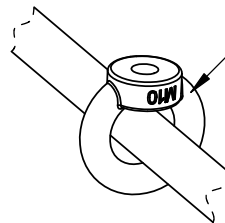
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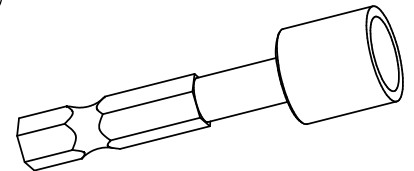
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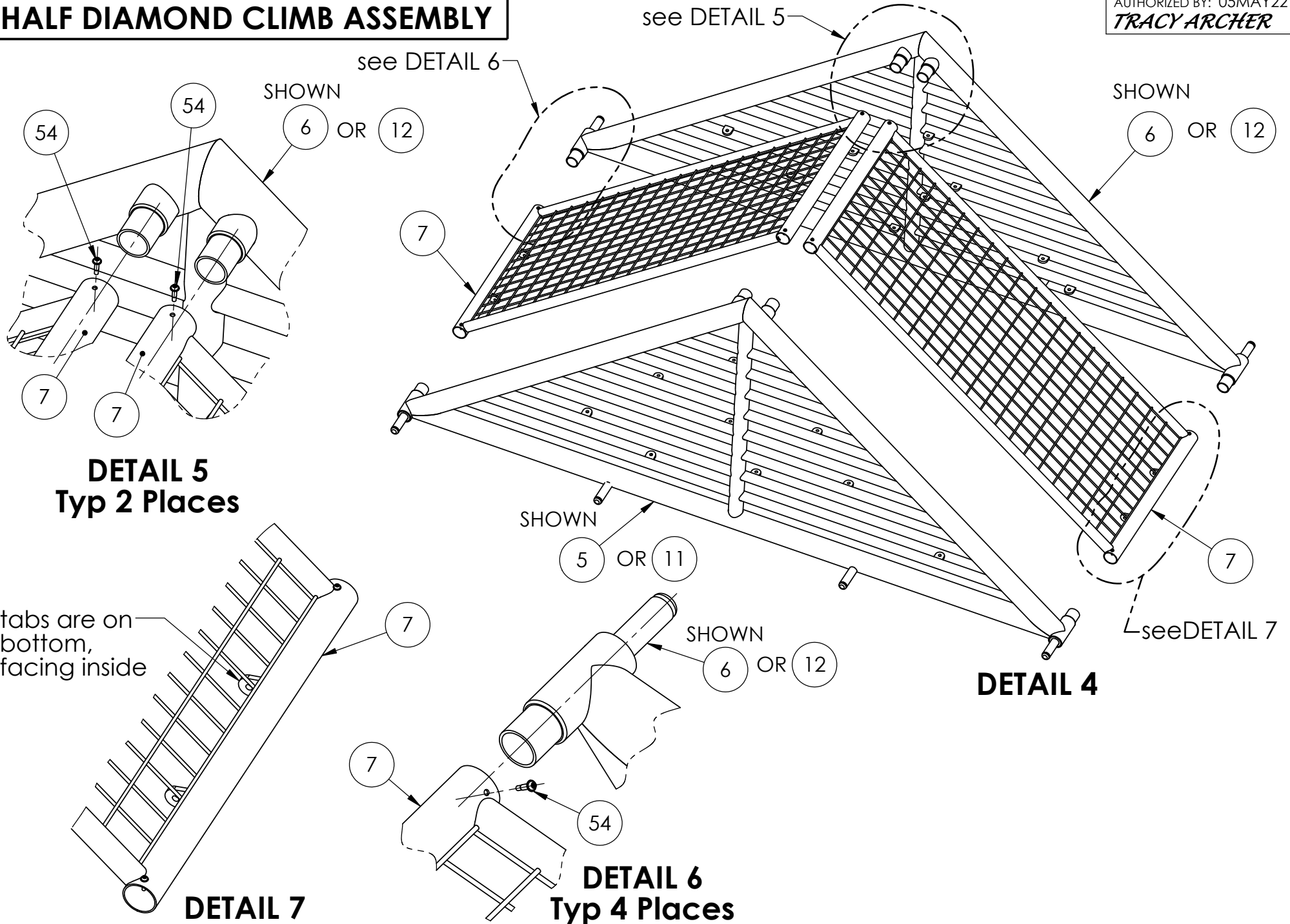
pad eye



59



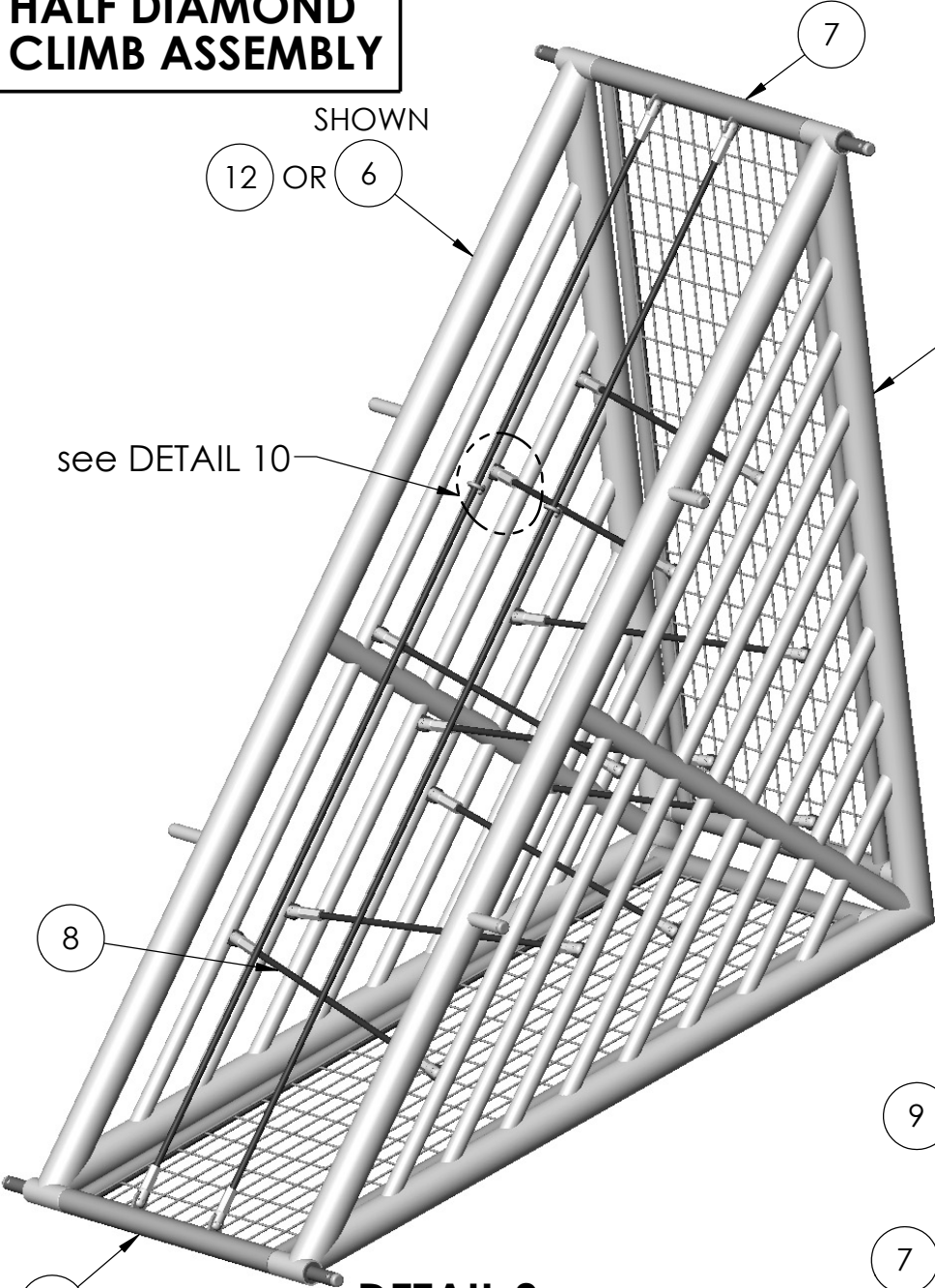
HALF DIAMOND CLIMB ASSEMBLY



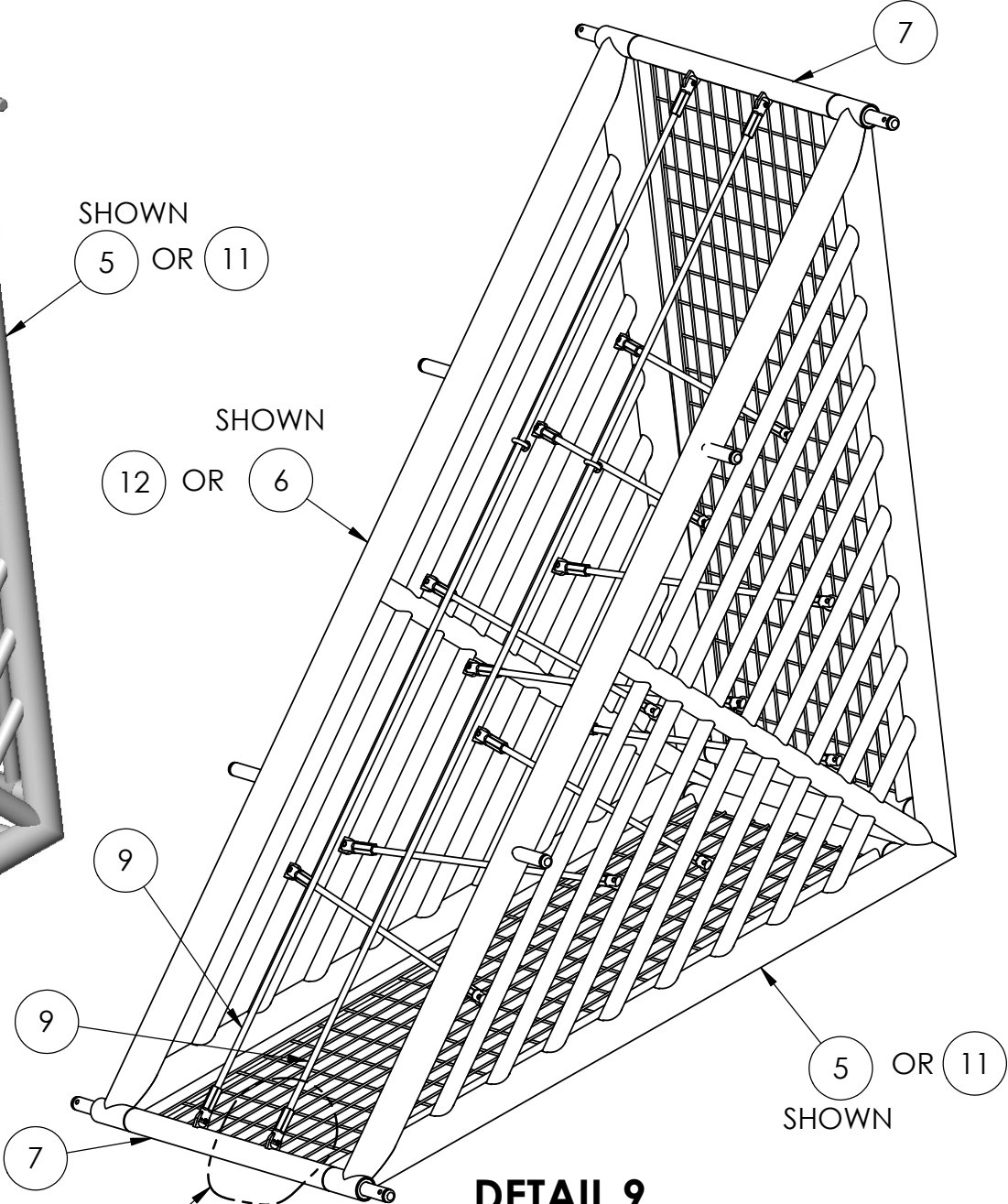
INST KB NU-EDGE X TOWER W/MORPHOUS

KB300501F
SHEET 17 OF 38
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TRACY ARCHER

**HALF DIAMOND
CLIMB ASSEMBLY**

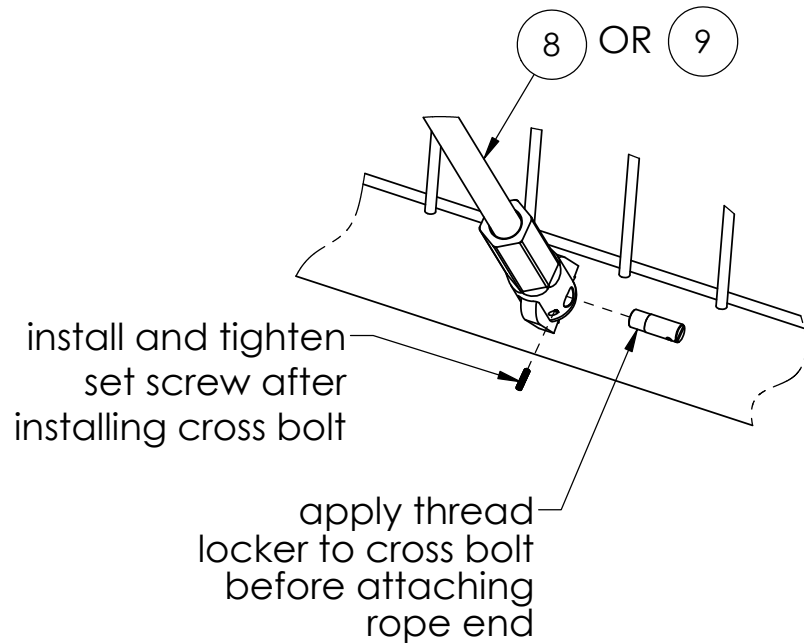


**DETAIL 8
SHORT ROPE ATTACHMENTS**

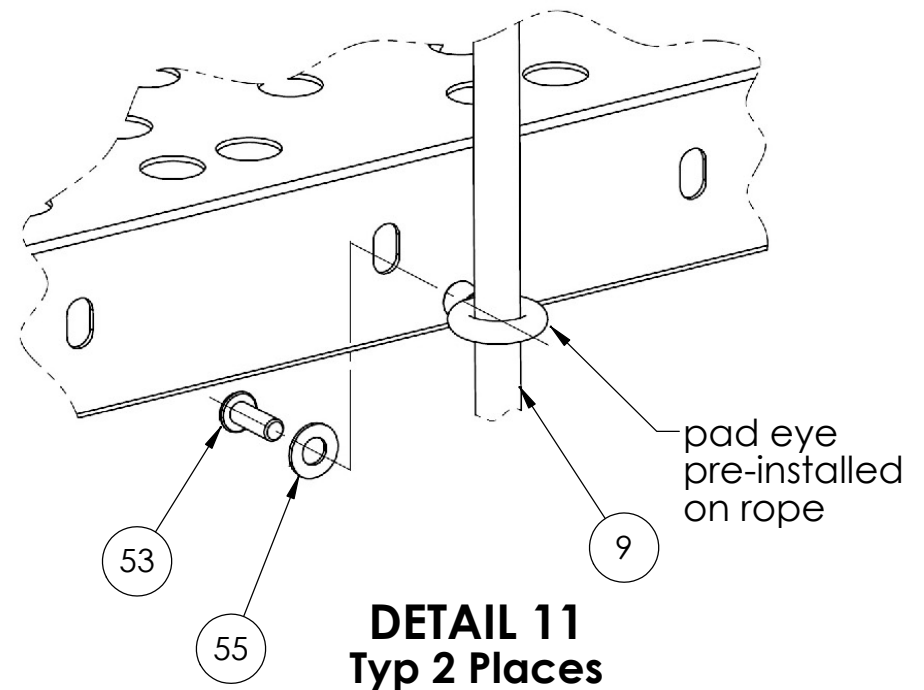


**DETAIL 9
LONG ROPE ATTACHMENTS**

HALF DIAMOND CLIMB ASSEMBLY



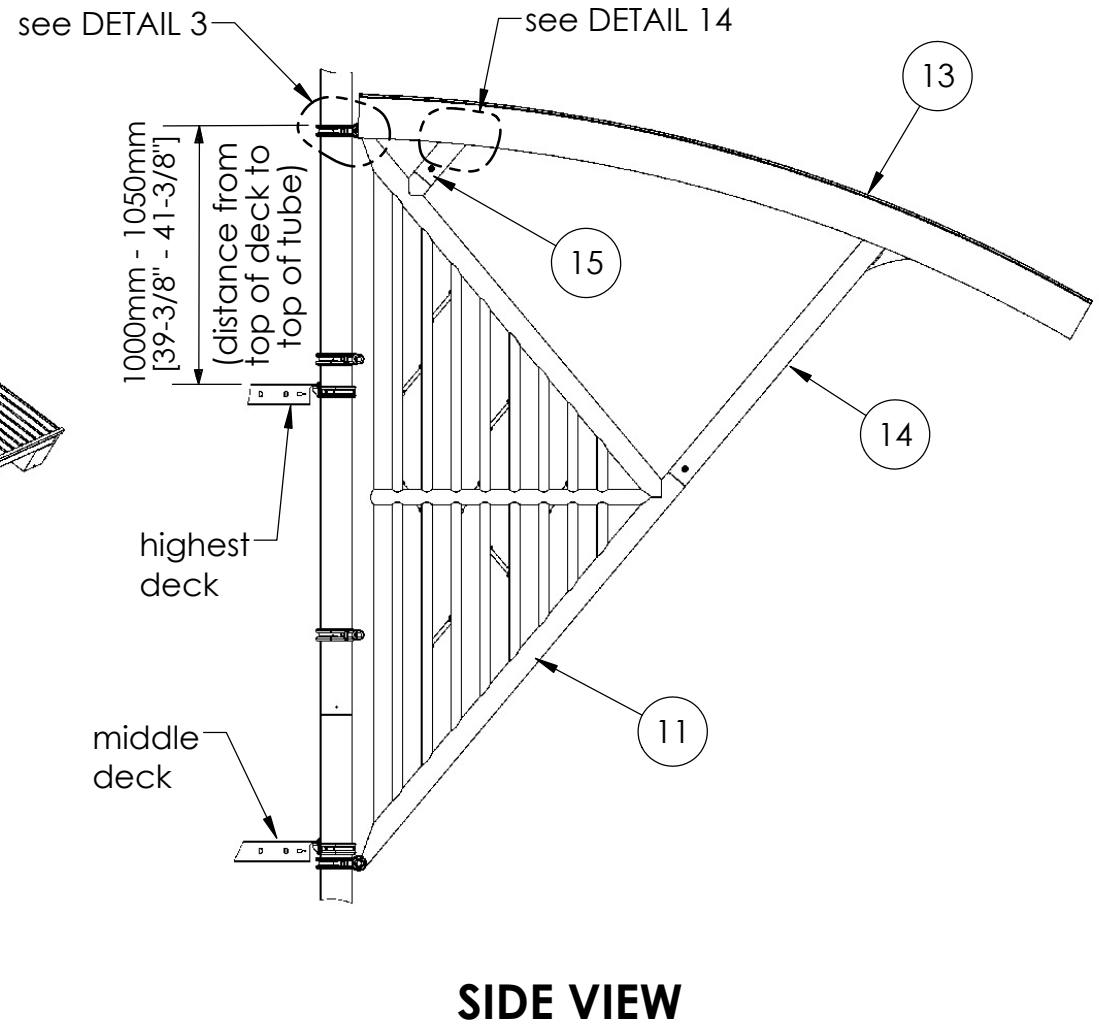
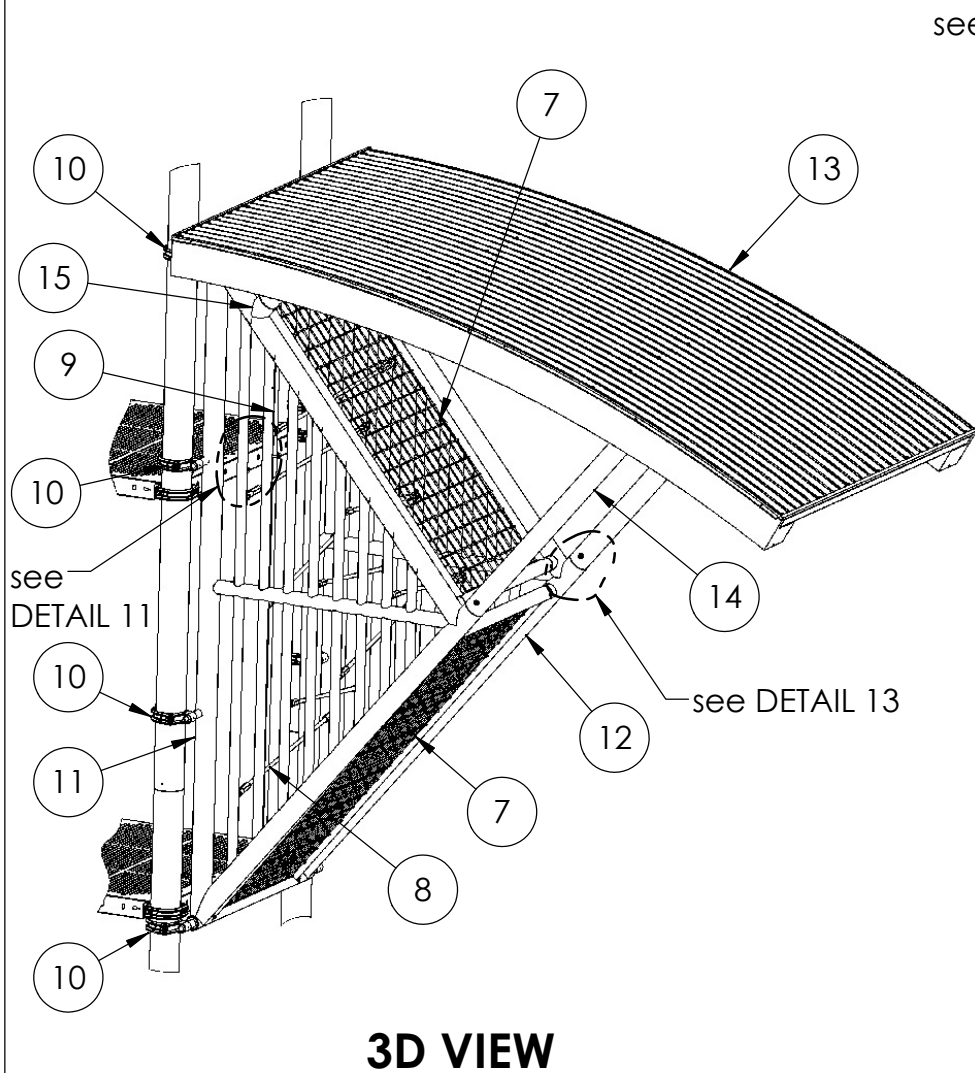
DETAIL 10
Typ 18 Places (short ropes)
Typ 4 Places (long ropes)



DETAIL 11
Typ 2 Places

Note: Use additional washers (ITEM 55) as spacers if bolt protrudes through the pad eye.

HALF DIAMOND CLIMB WITH CURVED ROOF ASSEMBLY



HALF DIAMOND CLIMB WITH CURVED ROOF ASSEMBLYAUTHORIZED BY: 05MAY22
TRACY ARCHER**Installation Instructions**

1. Climber (excluding roof supports and roof) should be completely assembled on ground first and then lifted into position (Refer to DETAIL 4 on sheet 16). Attach rectangular panels to left and right frames as shown in DETAILS 5 and 6. Make sure tabs on rectangular panels are facing inward as shown in DETAIL 7. Attach using Driver Bit (item 59). **NOTE: Do Not exceed 105 in-lbs torque when installing screws to post.**

2. Attach short ropes to assembled frame as shown in DETAILS 8 and 10 on sheets 17 and 18.

3. Attach long ropes (With pre-assembled pad eye) to frame as shown in DETAILS 9 and 11 on sheets 17 and 18.

4. Loosely attach wedge clamps with spacers to stubs on assembly as shown in DETAIL 3 on sheet 14. See front of manual for additional clamp installation details. For each post, one clamp will be below the middle deck, one clamp will be between the highest and middle deck, two clamps will be above the highest deck.

5. Lift assembly and place on posts at correct height as shown in SIDE VIEW on sheet 19. Attach wedge clamps to post as show in DETAIL 3 on sheet 14. Make sure assembly is at the proper height and tighten clamps

6. Slide pad eyes (pre-attached to long ropes) up to deck face slots. Attach to deck face as shown in DETAIL 11.

7. Attach tall and short roof supports (items 14 and 15) to half diamond climb assembly by inserting roof support tubes over the swaged tubes on half diamond climb assembly as shown in DETAIL 12 on sheet 22.

8. With assistance from machinery capable of lifting 500 lbs. seven feet above top of the support tubes, raise the roof and set in position on short and tall supports and attach as shown in DETAIL 13 on sheet 22. Align pockets on the roof assembly with the roof supports.

9. Attach the roof supports to the curved roof assembly as shown in DETAIL 14 on sheet 22.

10. Check for level, tighten all hardware, install clamp drive pins.

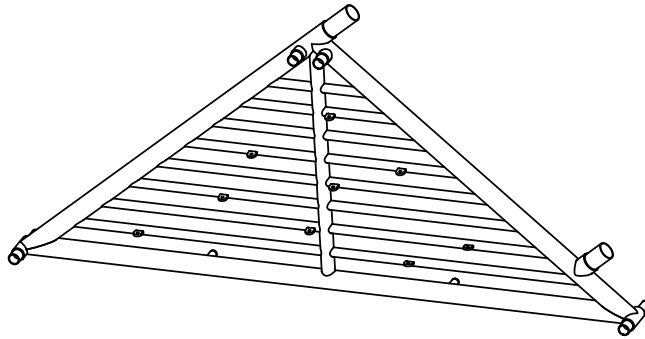
INST KB NU-EDGE X TOWER W/MORPHOUS

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SHEET 21 OF 38

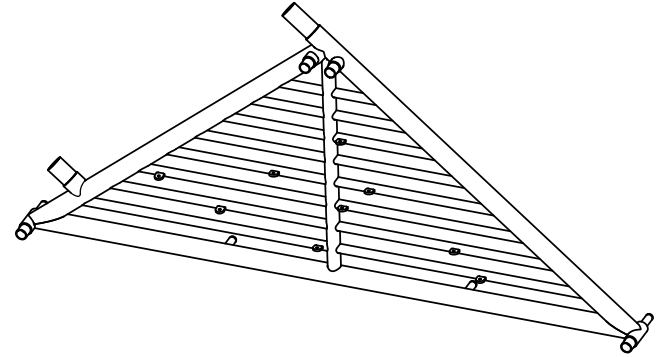
AUTHORIZED BY: 05MAY22
TRACY ARCHER

HALF DIAMOND CLIMB WITH CURVED ROOF ASSEMBLY

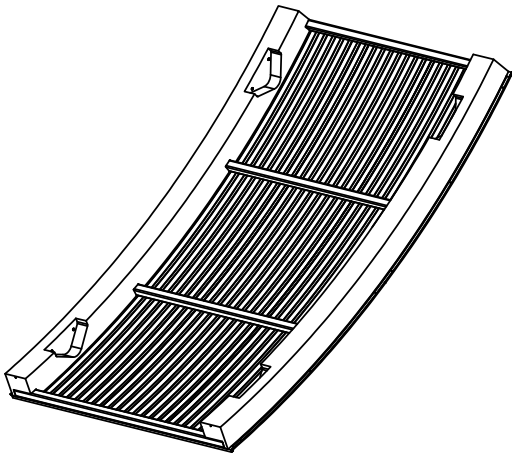
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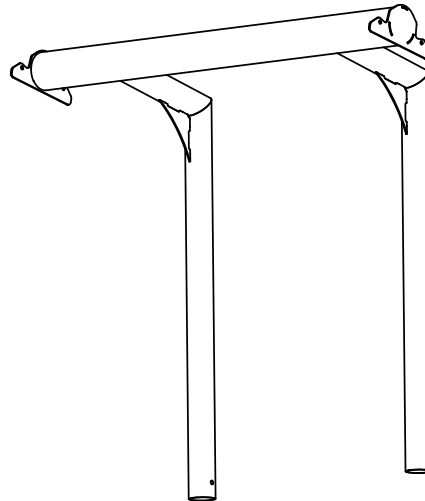
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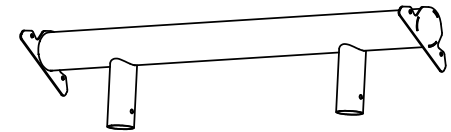
13



14

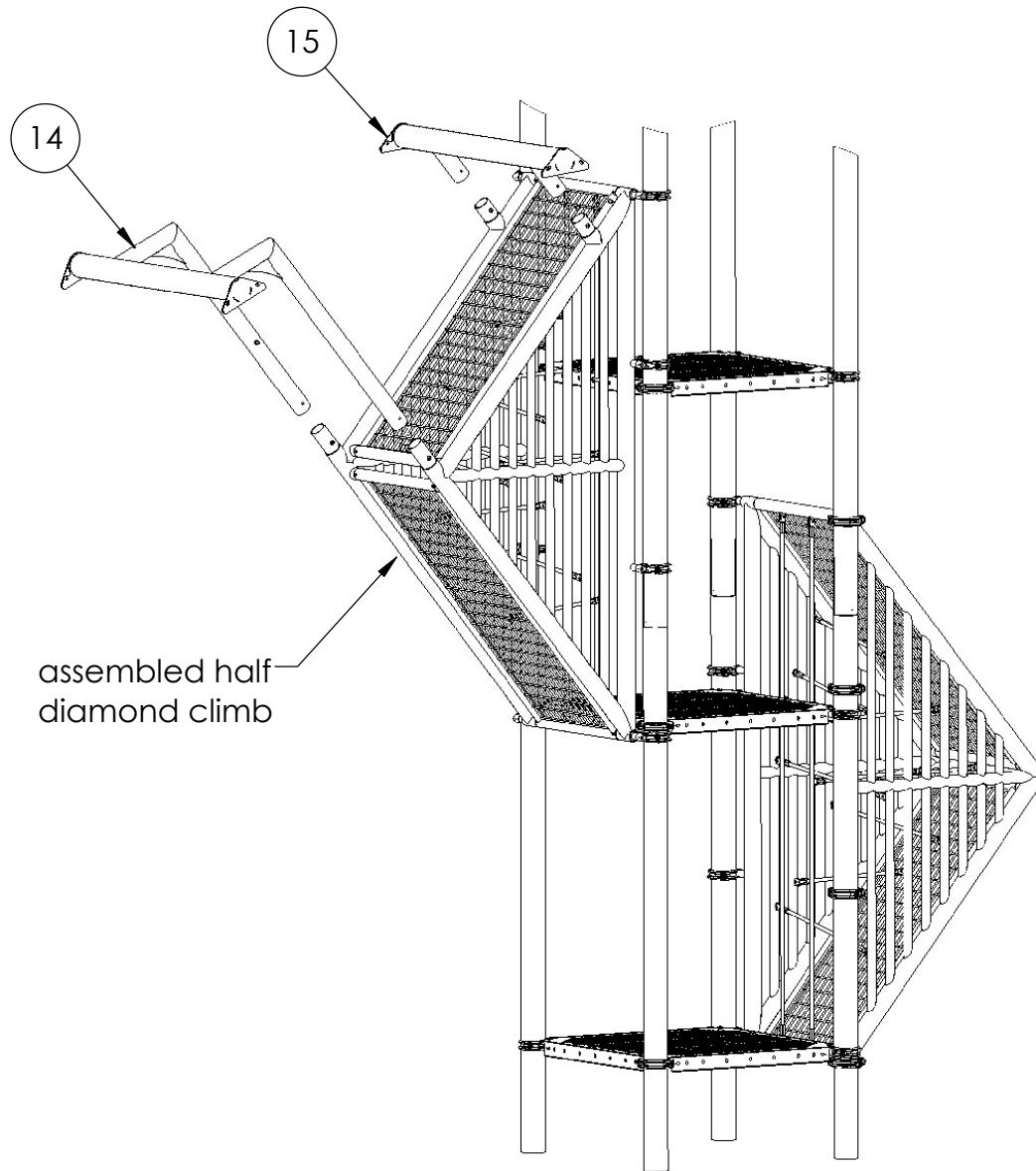


15



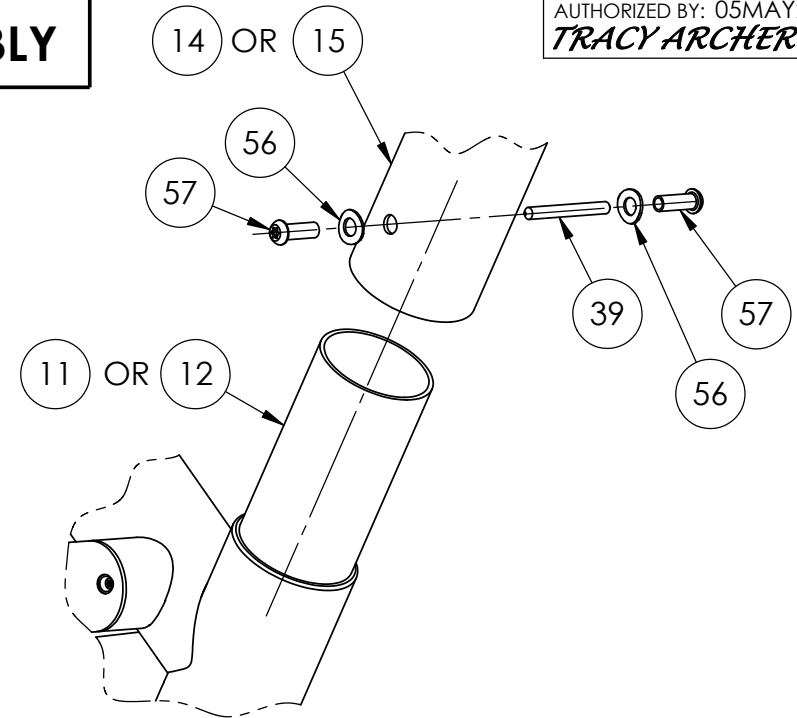
HALF DIAMOND CLIMB WITH CURVED ROOF ASSEMBLY

AUTHORIZED BY: 05MAY22
TRACY ARCHER

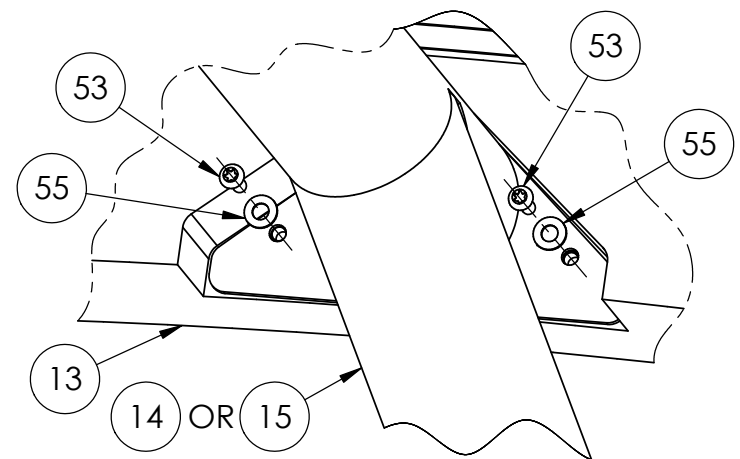


assembled half
diamond climb

DETAIL 12



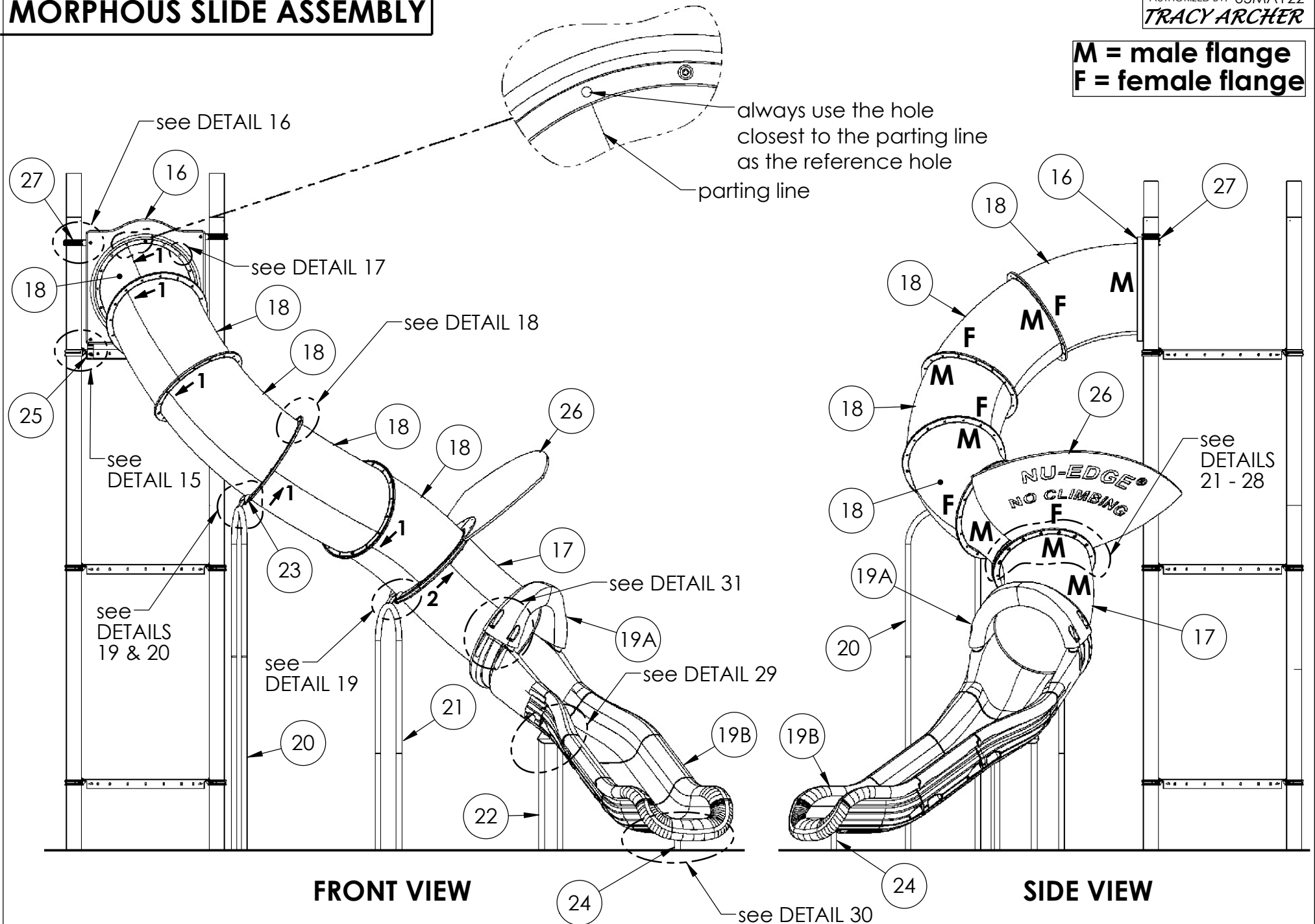
DETAIL 13
Typ 4 Places



DETAIL 14
Typ 4 Places

MORPHOUS SLIDE ASSEMBLY

M = male flange
F = female flange



MORPHOUS SLIDE ASSEMBLYAUTHORIZED BY: 05MAY22
TRACY ARCHER**Installation Instructions**

- 1.** Prepare footings. Locate proper parts/slide sections for this slide. Make sure you have the proper numbers of 35 degree sections, noting that there are five female/male ended (Item 18) and one male/male ended (Item 17) sections. Layout sections in proper order to eliminate possible confusion later on. Note also the parting lines on the sections. On the 35 degree sections there will be a longer parting line (on the outside radius) and a shorter parting line (on the inside radius). When installing sections note the relationship between the parting lines on the views on sheet 23. In this instruction we will refer to rotations of the sections with respect to the previous section as CW for Clockwise and CCW for Counter-Clockwise.
- 2.** Loosely attach Deck Tabs and Panel Clamps to the Entry Panel (Item 16) as shown in DETAILS 15 & 16 on sheet 26. **NOTE:** Make sure clamp orientation is correct.
- 3.** Lift **panel** into position and attach to the highest deck and posts as shown in DETAILS 15 & 16 on sheet 26. Make sure panel is level to the deck and spaced equally between the posts and tighten all hardware.
- 4.** Lift **1st section** into place (35 deg M/F - item 18). Note the orientation of the parting line in the front view on sheet 23. When installed, the long parting line will be rotated 1 hole CCW from the top center T-nut location of the panel. When the orientation is correct, attach to the panel as shown in DETAIL 17 on sheet 26. Use caution not to strip out the T-nuts either by cross-threading or by over torquing the bolts when attaching the sections.
- 5.** Loosely attach the **2nd section** (item 18) with the long parting line rotated 1 hole CCW from the long parting line of the first section, using hardware as shown in DETAIL 18 on sheet 26.
- 6.** Loosely attach the **3rd section** with the long parting line rotated 1 hole CCW from the long parting line of the previous section, using hardware as shown in DETAIL 18 on sheet 26.
- 7.** Loosely attach curved bracket (Item 23) to **tall mid support** (Item 20) with the lower bolt as shown in DETAIL 19 on sheet 26. Place in footing in proper orientation. Refer to separate installation instruction KB000003 - use the "KB POST FOOTING - INGROUND" for the mid support footings.

- 8.** Loosely attach the **4th section** (with the long parting line rotated 1 hole CW from the long parting line of the previous section). For holes without mid support, see DETAIL 18 on sheet 26. For holes with mid support, see DETAIL 20 on sheet 27. Make sure support legs are level and tighten all of the previous hardware.
- 9.** Loosely attach the **5th section** with the short parting line rotated 1 hole CCW from the long parting line on the previous section, using hardware as shown in DETAIL 18 on sheet 26.
- 10.** Loosely attach curved bracket (Item 23) to **medium mid support** (Item 21) with the lower bolt as shown in DETAIL 19 on sheet 26. Place in footing in proper orientation. Refer to separate installation instruction KB000003 - use the "KB POST FOOTING - INGROUND" for the mid support footings.
- 11.** A **slide barrier** (with **plates** and **spacers**) and **medium mid support** will be installed between the **5th** and **6th** sections, see Details 21 - 28. Make sure support legs are level and tighten all of the previous hardware.
- 12.** Loosely attach the **3 tab (short) mid support** (Item 22) to the quantum slide assembly as shown in DETAIL 29 on sheet 31. If the three holes used for mid support have bolts already installed, remove and discard. Refer to separate installation instruction KB000003 - use the "KB POST FOOTING - INGROUND" for the mid support footings.
- 13.** Loosely attach the **end support** (item 24) to the quantum slide assembly as shown in DETAIL 30 on sheet 31. Refer to separate installation instruction KB000003 - use the "KB PLAYEVENT FOOTING - INGROUND" for the runout end support footing.
- 14.** Place mid and end supports in footings in proper orientation.
- 15.** Loosely attach the **quantum slide assembly** (item 19B) to the 6th tunnel section with the **upper ring** (item 19A) as shown in DETAIL 31 on sheet 31.
- 16.** Check all supports for level and plumb and tighten all hardware. Complete footings and install resilient surfacing.

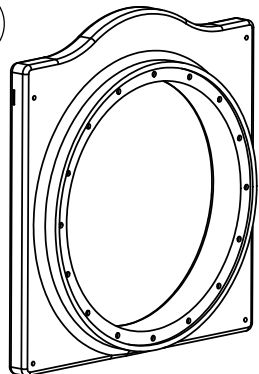
INST KB NU-EDGE X TOWER W/MORPHOUS

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SHEET 25 OF 38

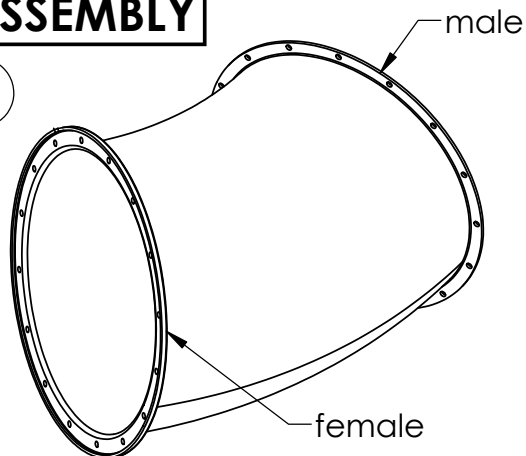
MORPHOUS SLIDE ASSEMBLY

AUTHORIZED BY: 05MAY22
TRACY ARCHER

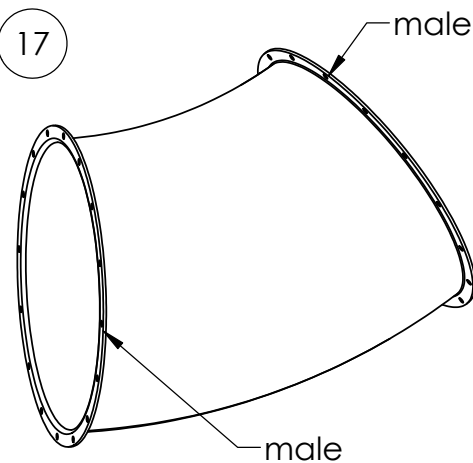
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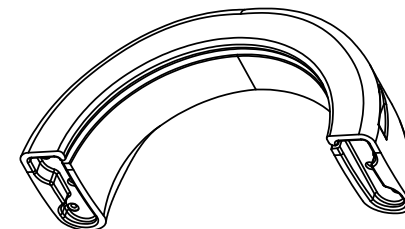
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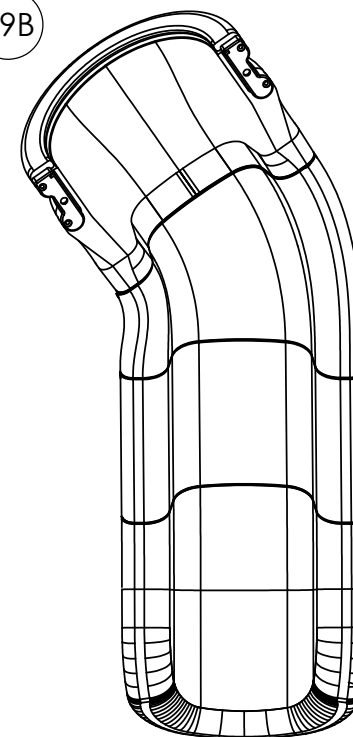
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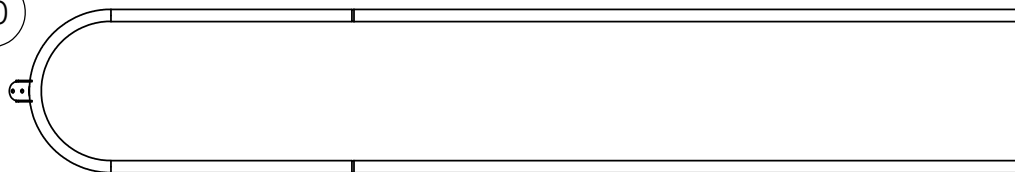
19A



19B



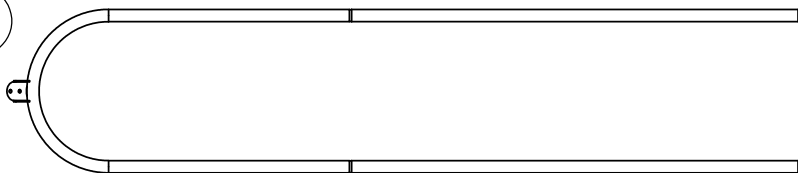
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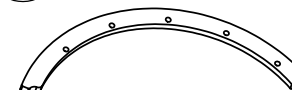
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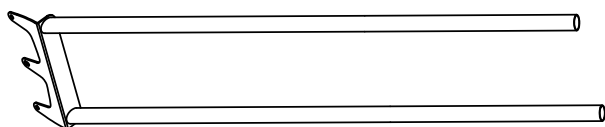
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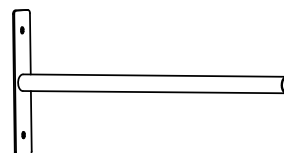
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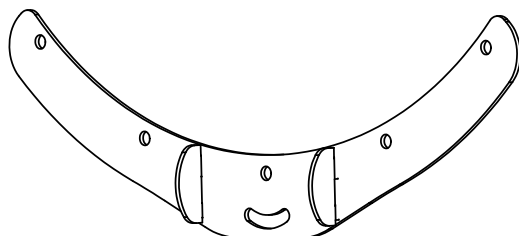
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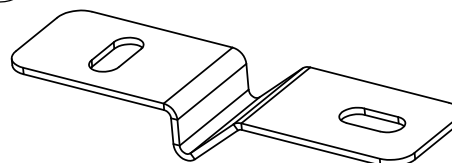
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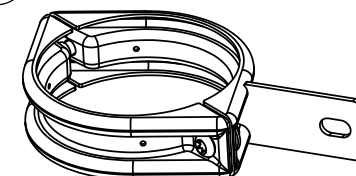
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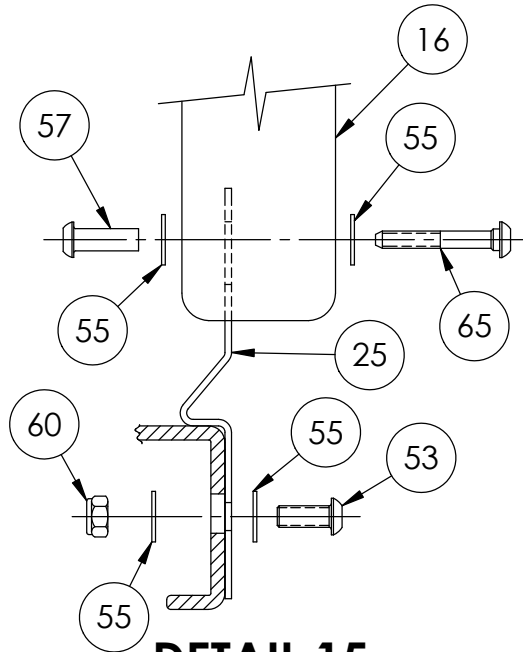
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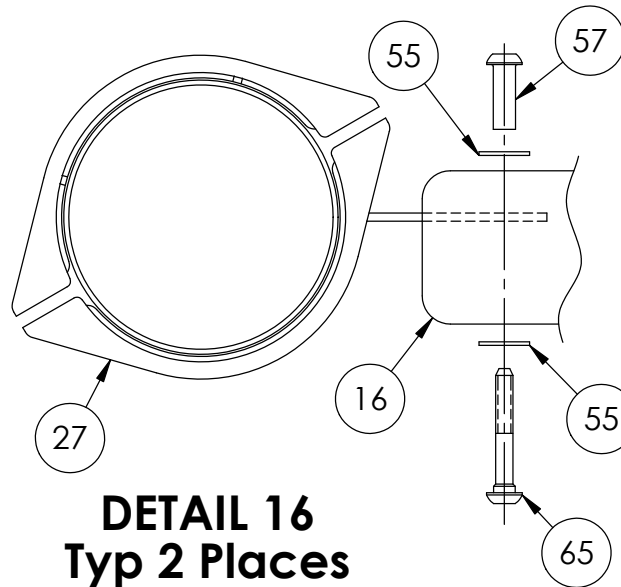
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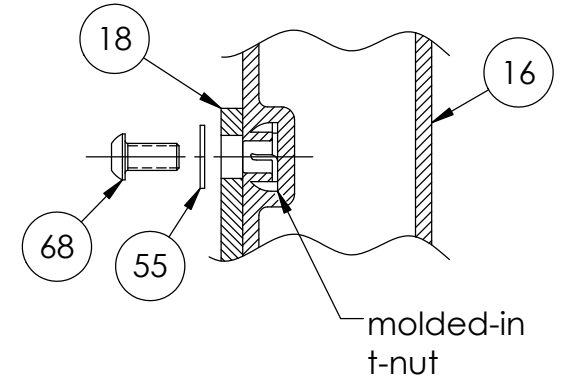
MORPHOUS SLIDE ASSEMBLY



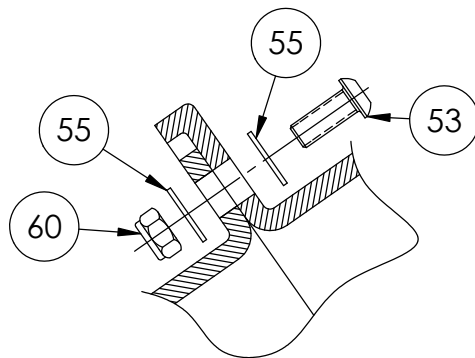
DETAIL 15
Typ 2 Places



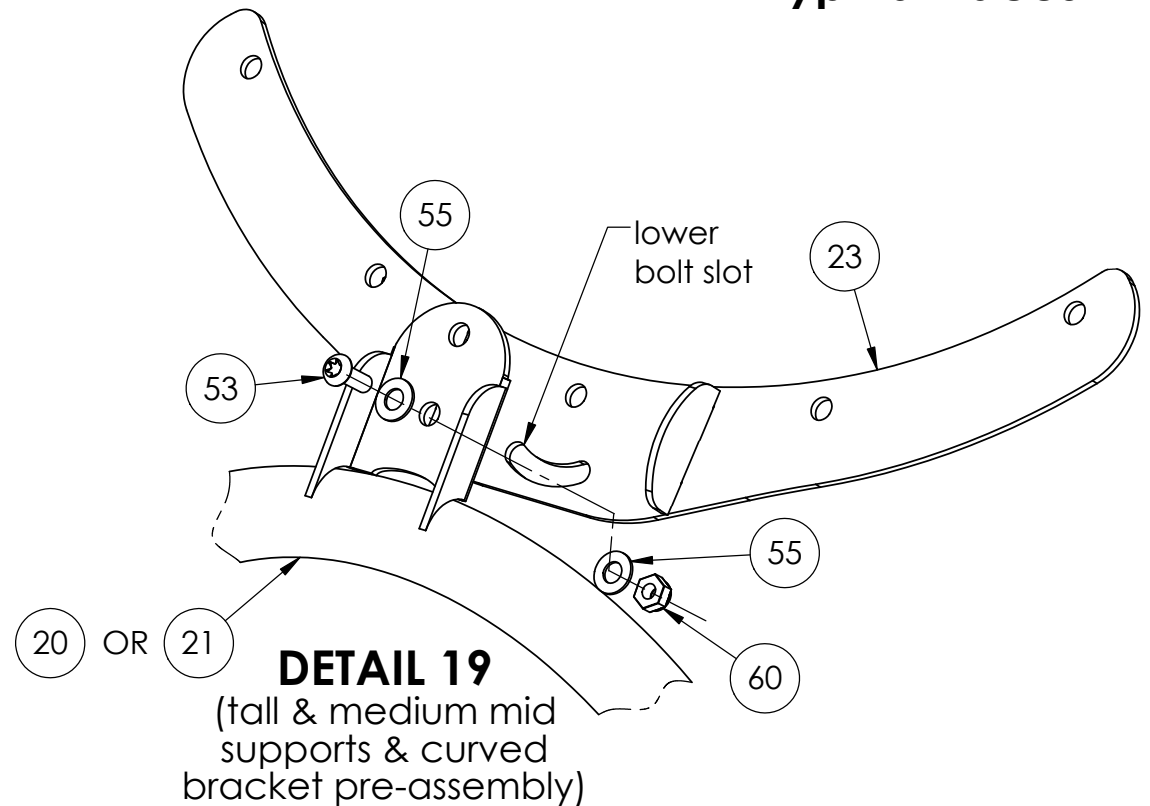
DETAIL 16
Typ 2 Places



DETAIL 17
Typ 16 Places



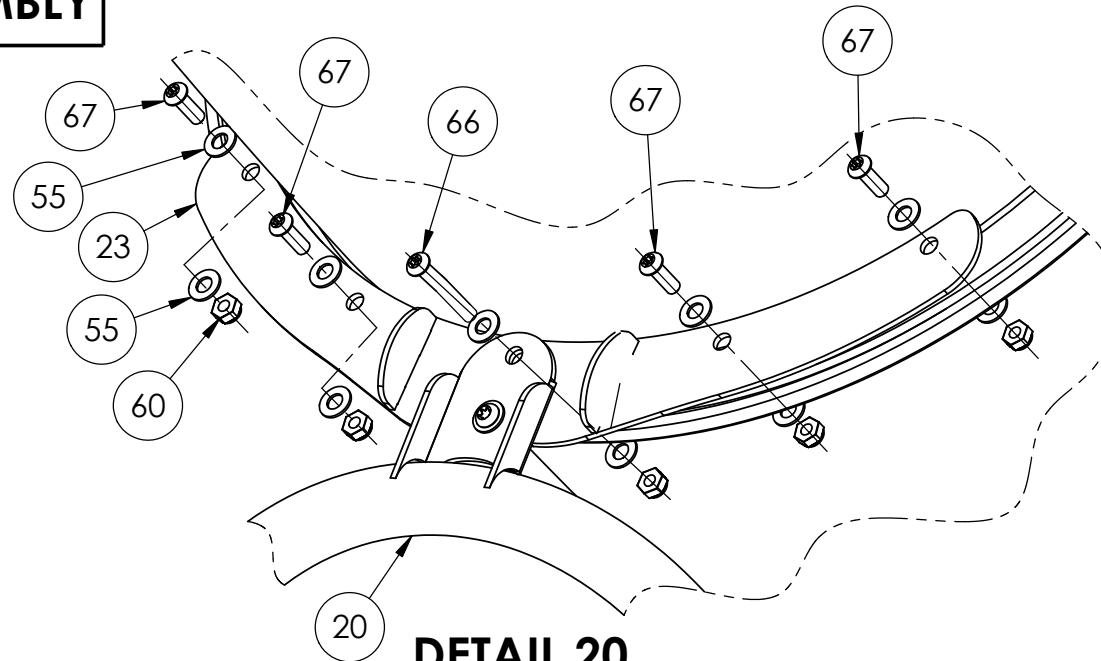
DETAIL 18
Typ 59 Places



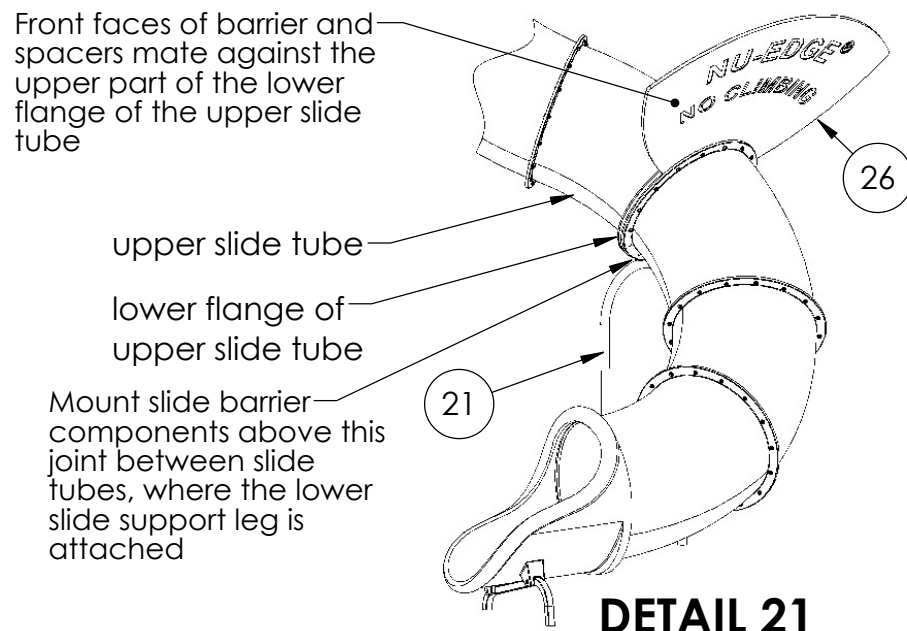
DETAIL 19
(tall & medium mid
supports & curved
bracket pre-assembly)

MORPHOUS SLIDE ASSEMBLY

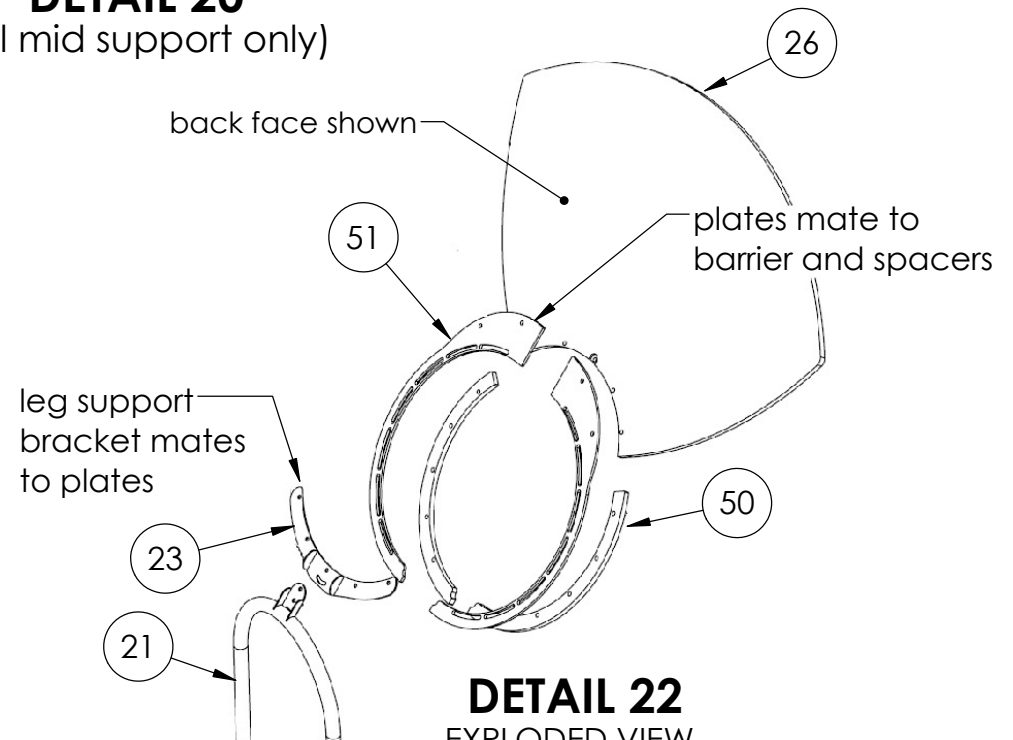
AUTHORIZED BY: 05MAY22
TRACY ARCHER



DETAIL 20
(tall mid support only)

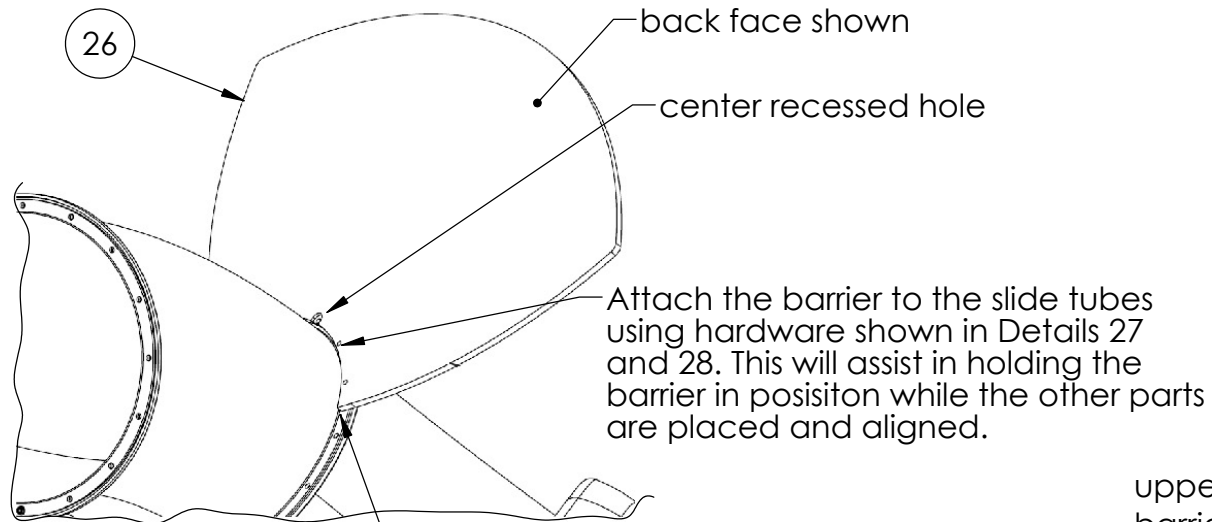


DETAIL 21



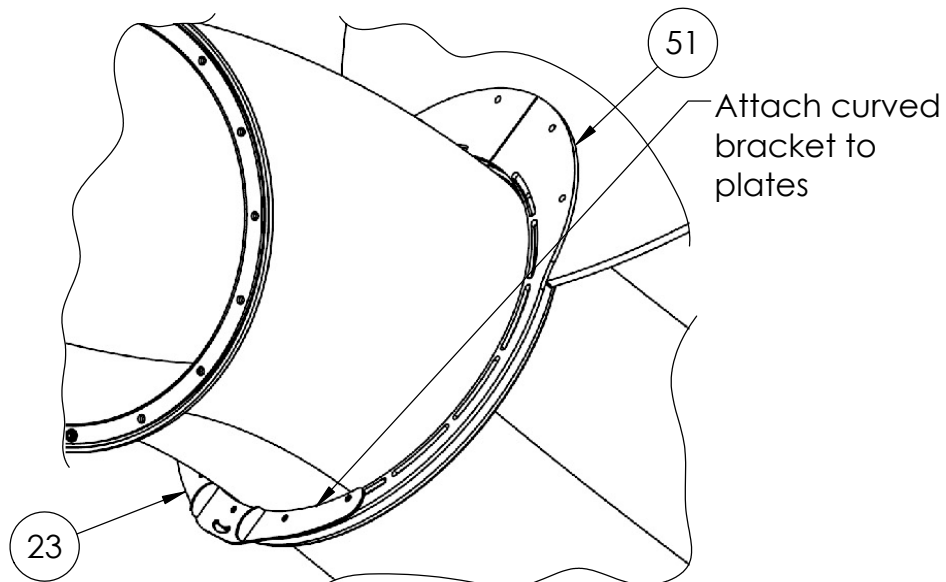
DETAIL 22
EXPLODED VIEW

MORPHOUS SLIDE ASSEMBLY



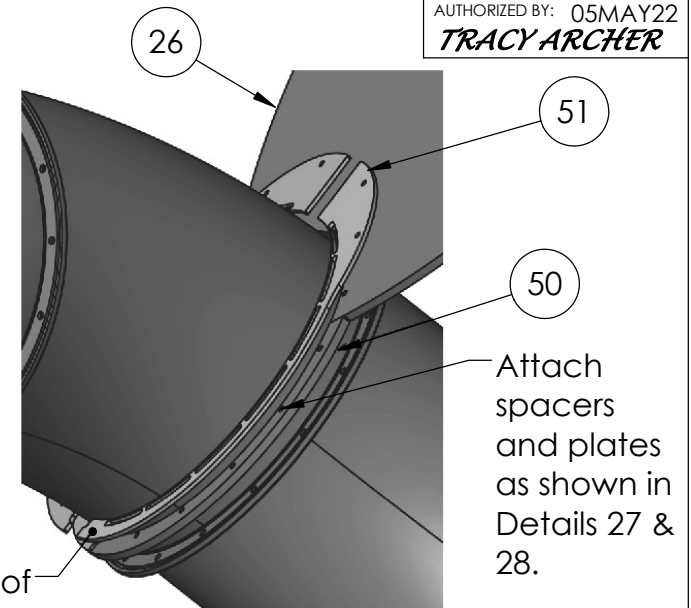
DETAIL 23

Position the barrier against the upper slide tube with the center (recessed) hole in the barrier aligned with the top hole of the slide tube.



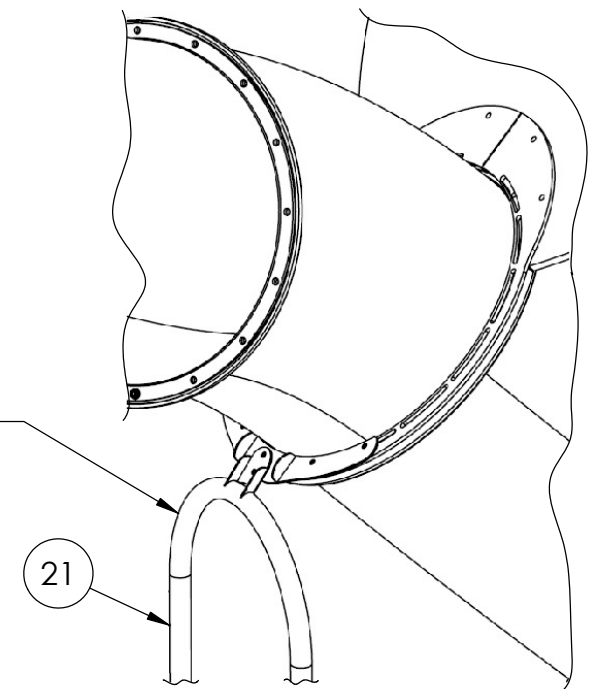
DETAIL 25

upper face of barrier plates

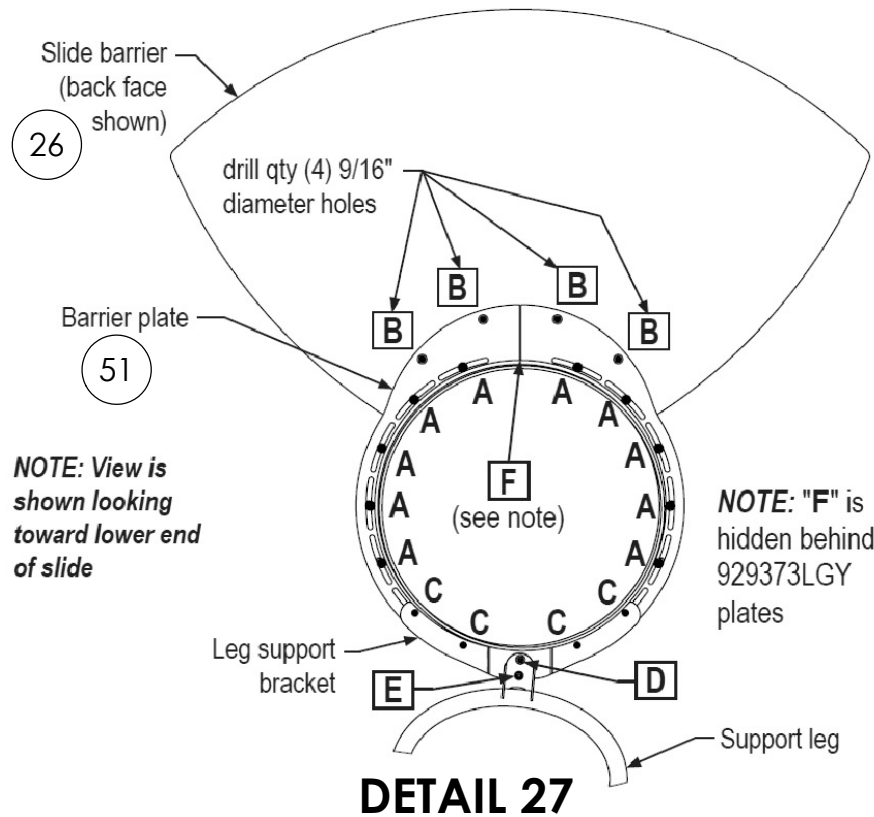


DETAIL 24

Attach short mid support to curved bracket



DETAIL 26

MORPHOUS SLIDE ASSEMBLY

Using hardware specific to each mounting hole location as shown in Details 27 and 28, fasten the components of the assembly together. **Note that not all holes will be in perfect alignment.** It is acceptable to ream/drill holes in the slide barrier, barrier spacers, or slide tubes, as required, to install bolts.

For the slide support leg, add the additional lower bolt (that does not go through the slide flanges) to complete fastening of the support leg to the support leg bracket. Ream holes in the support leg, as required

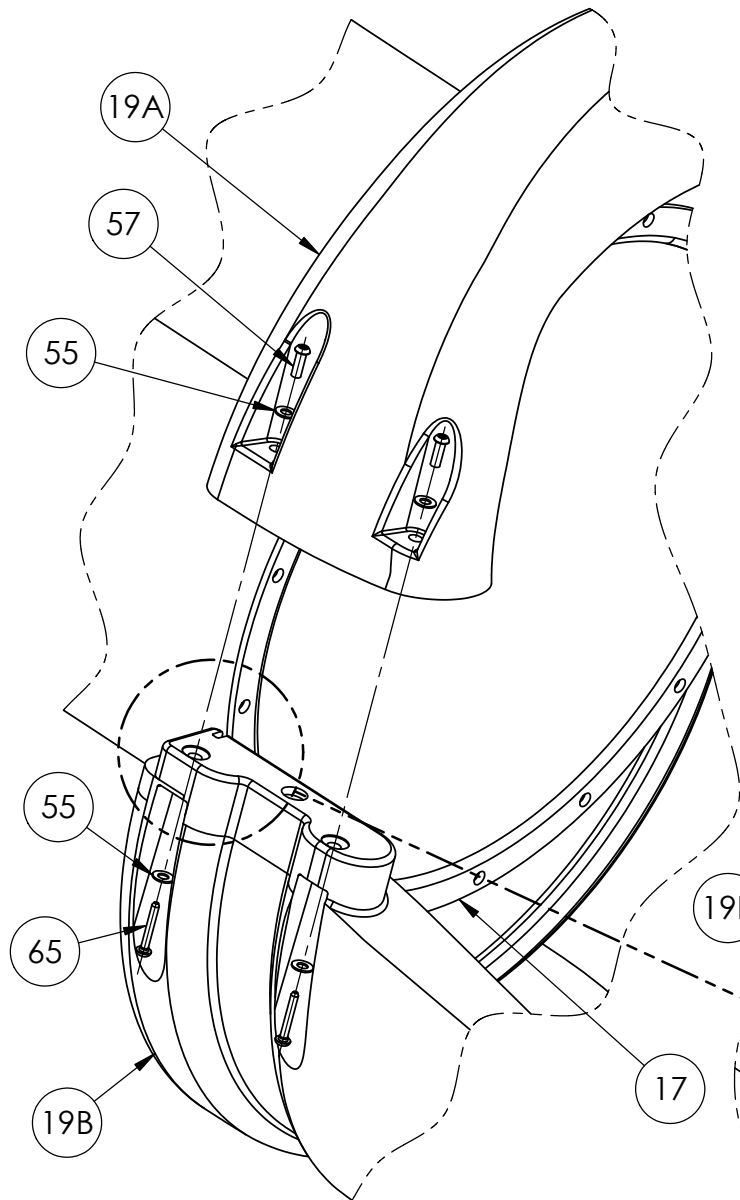
Using barrier plates as a template, drill quantity (4) 9/16" diameter holes in the slide barrier at four locations **B** as shown in Detail 27.

At the (4) drilled holes, attach the slide barrier to the barrier plate using hardware, as shown in Detail 27.

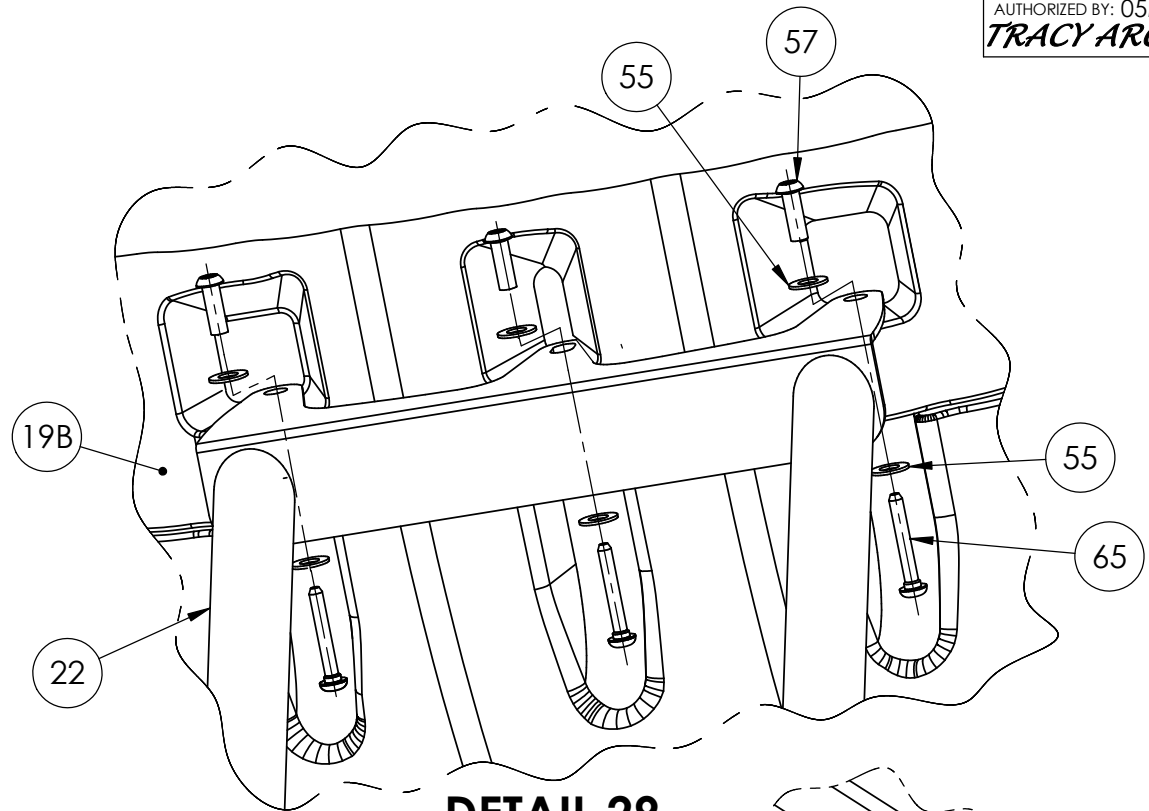
Location	Hardware Used	
A	70	200002150 SCREW MACH BUTTONHEAD M10 X 1.5 X 55 MM
	71	117005 WASHER 3/8 X 1 O.D. FLAT 18-8 SS
B	57	200002145 BOLT M8 X 1.25 FEMALE 10.3 X 30 MM
	71	117005 WASHER 3/8 X 1 O.D. FLAT 18-8 SS
C	70	200002150 SCREW MACH BUTTONHEAD M10 X 1.5 X 55 MM
	58	200002133 BOLT M8 X 1.25 MALE 27.5 MM
D	71	117005 WASHER 3/8 X 1 O.D. FLAT 18-8 SS
	53	200002018 SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM
E	55	200002079 WASHER FLAT M11 23 X 12 X 1.6MM
	66	200097726 SCREW MACH BUTTONHEAD M10 X 1.5 X 38MM

MORPHOUS SLIDE ASSEMBLY

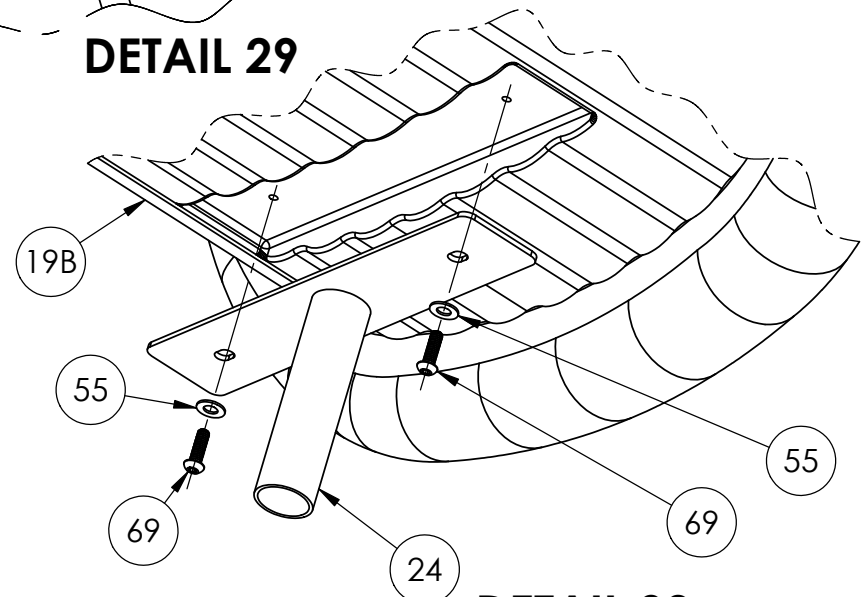
AUTHORIZED BY: 05MAY22
TRACY ARCHER



DETAIL 31
Typ 2 Places



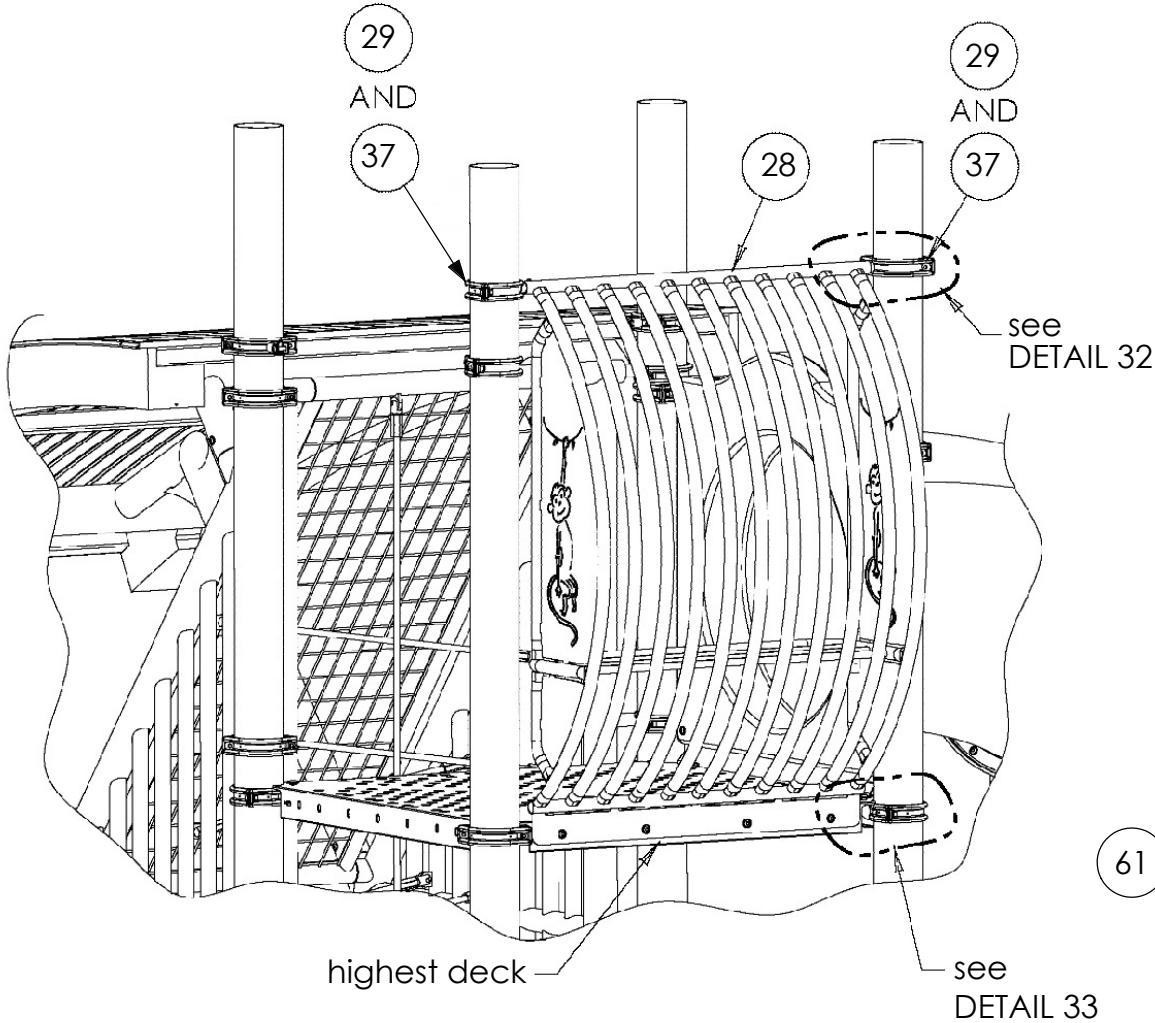
DETAIL 29



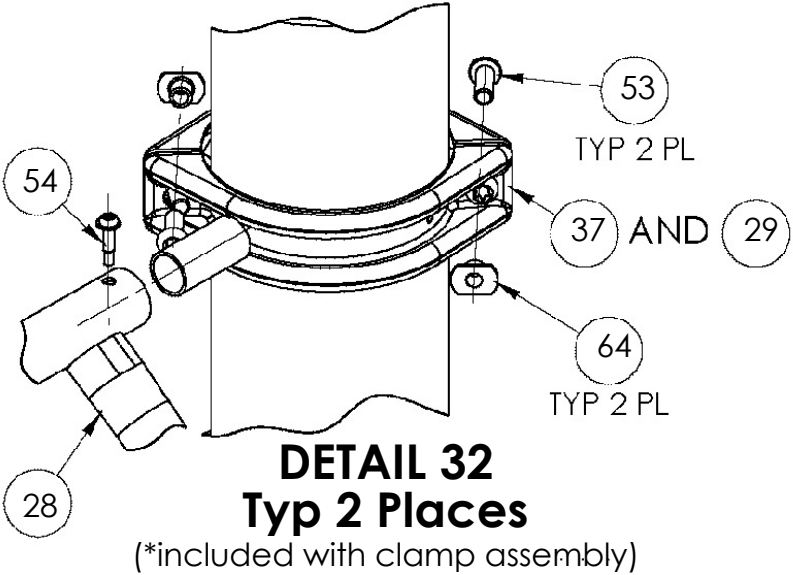
DETAIL 30

groove for flange
of tunnel section

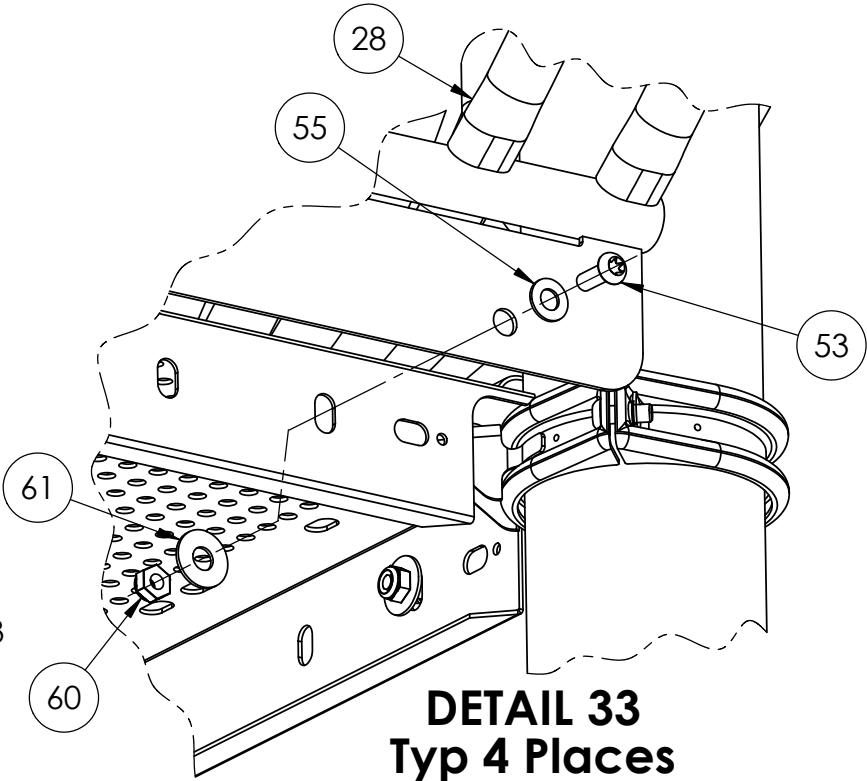
LEANOUT PANEL



3D VIEW



DETAIL 32
Typ 2 Places



DETAIL 33
Typ 4 Places

LEANOUT PANEL

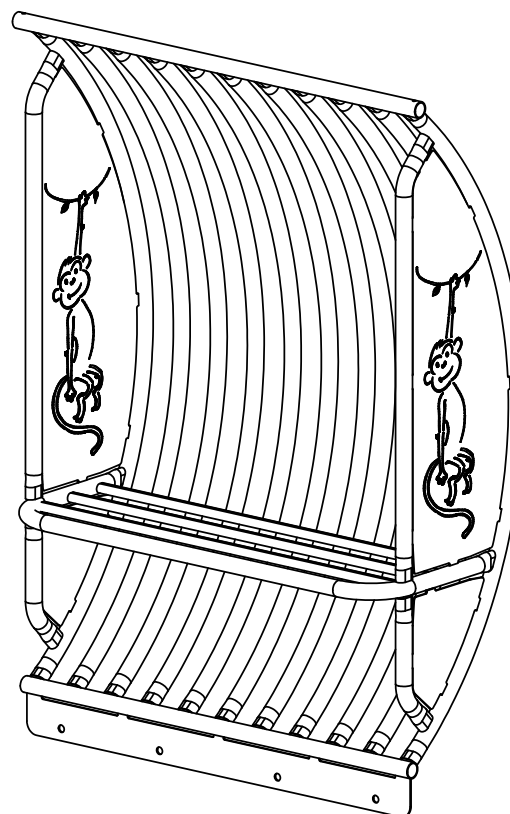
Installation Instructions

1. Loosely attach fire truck clamps to the posts as shown in DETAIL 32.
2. Lift leanout panel to the highest deck and attach top tube to the clamp stub tubes as shown in DETAIL 32. Do not install screws in top tube yet.
3. Align bottom plate of leanout panel with slots in deck face and loosely install hardware as shown in DETAIL 33.
4. Check panel for level and equal spacing between posts (adjust as necessary).
5. Tighten all hardware. Insert screws in top tube as shown in DETAIL 32, using the driver bit (item 59).

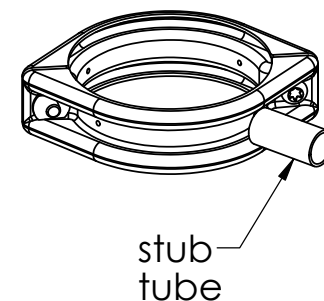
NOTE: do not exceed 105 inch-pounds of torque when installing screws.

6. Install clamp drive pins.

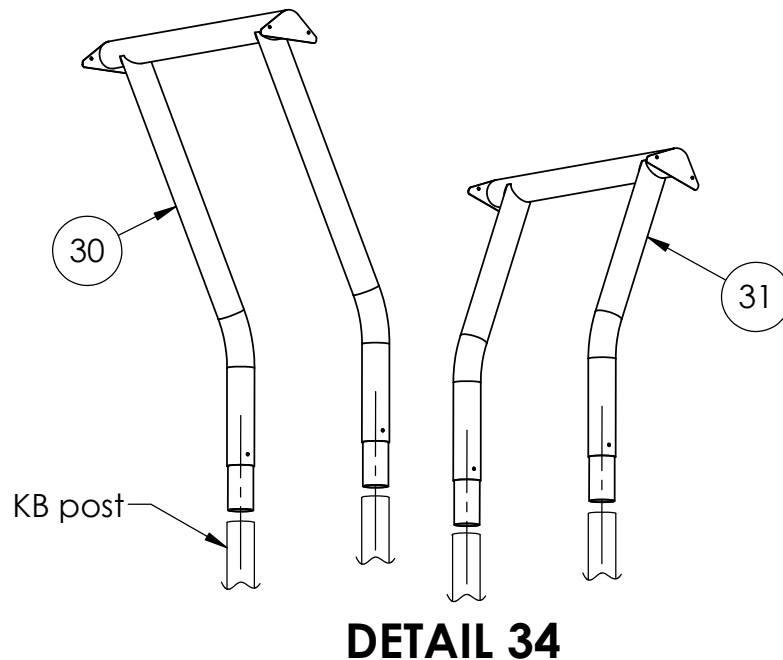
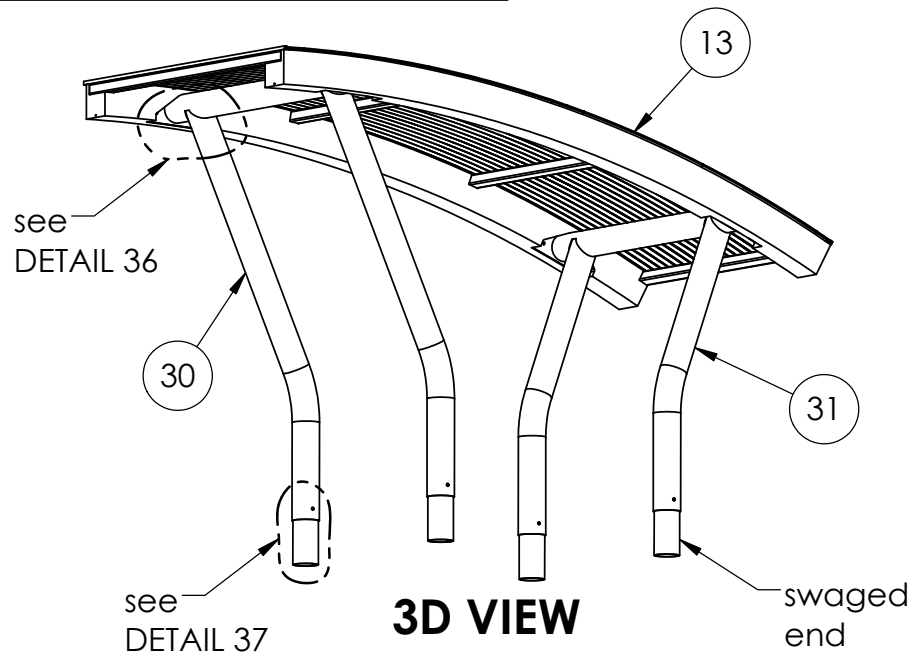
28



29



CURVED ROOF ASSEMBLY



Installation Instructions

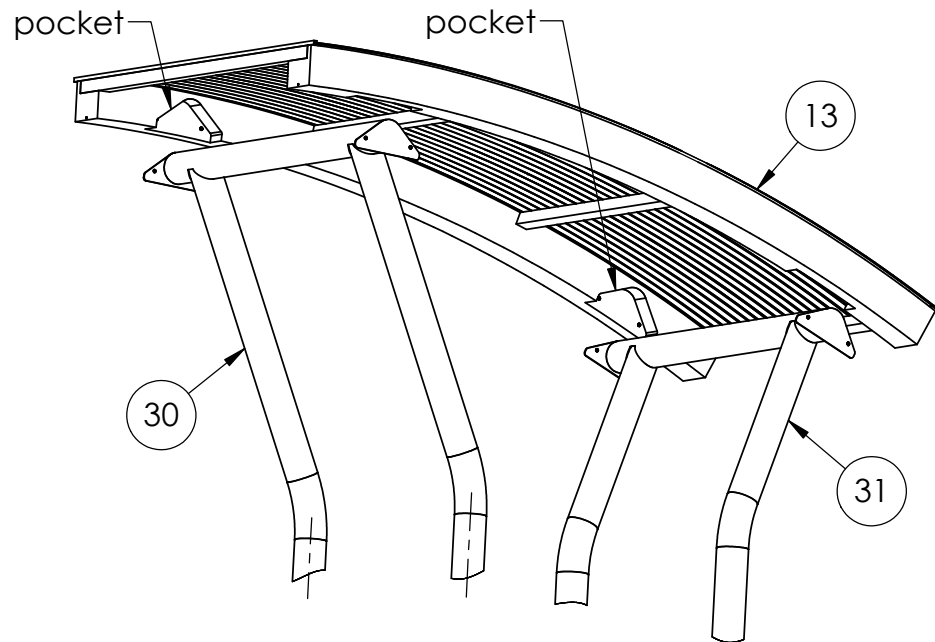
1. Install front support (item 30) and back support (item 31) on posts by inserting swaged ends into top of existing posts as shown in DETAIL 34. Check your playground layout for correct orientation of curved roof.
2. With assistance from machinery capable of lifting 500 lbs. seven feet above top of the existing posts, raise the roof and set in position on front and back supports as shown in DETAIL 35. Align pockets on the roof assembly with the roof supports.
3. Attach roof to supports as shown in DETAIL 36.
4. Attach front and back supports to existing posts as shown in DETAIL 37, using the driver bit (item 59).

NOTE: do not exceed 105 inch-pounds of torque when installing screws to post.

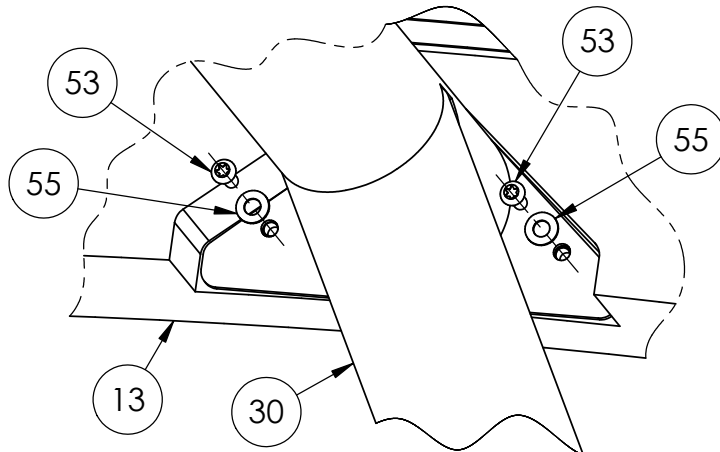
INST KB NU-EDGE X TOWER W/MORPHOUS

KB300501F
SHEET 35 OF 38

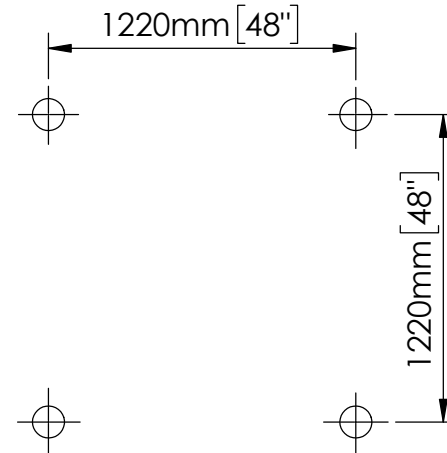
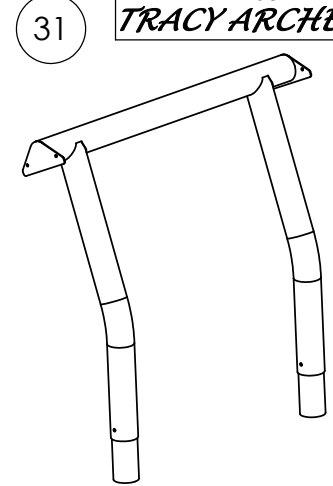
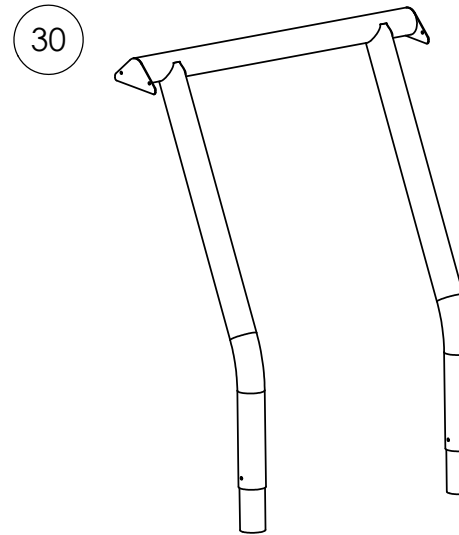
CURVED ROOF ASSEMBLY



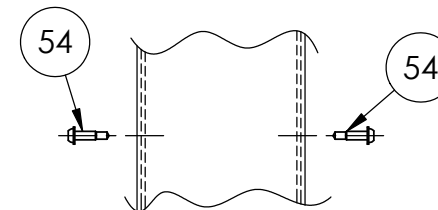
DETAIL 35



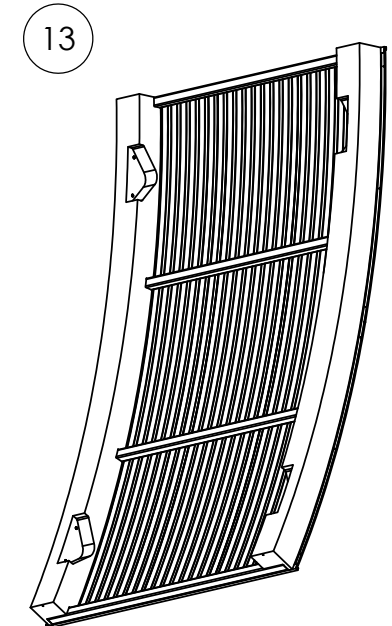
DETAIL 36
Typ 4 Places



POST DIMENSIONS



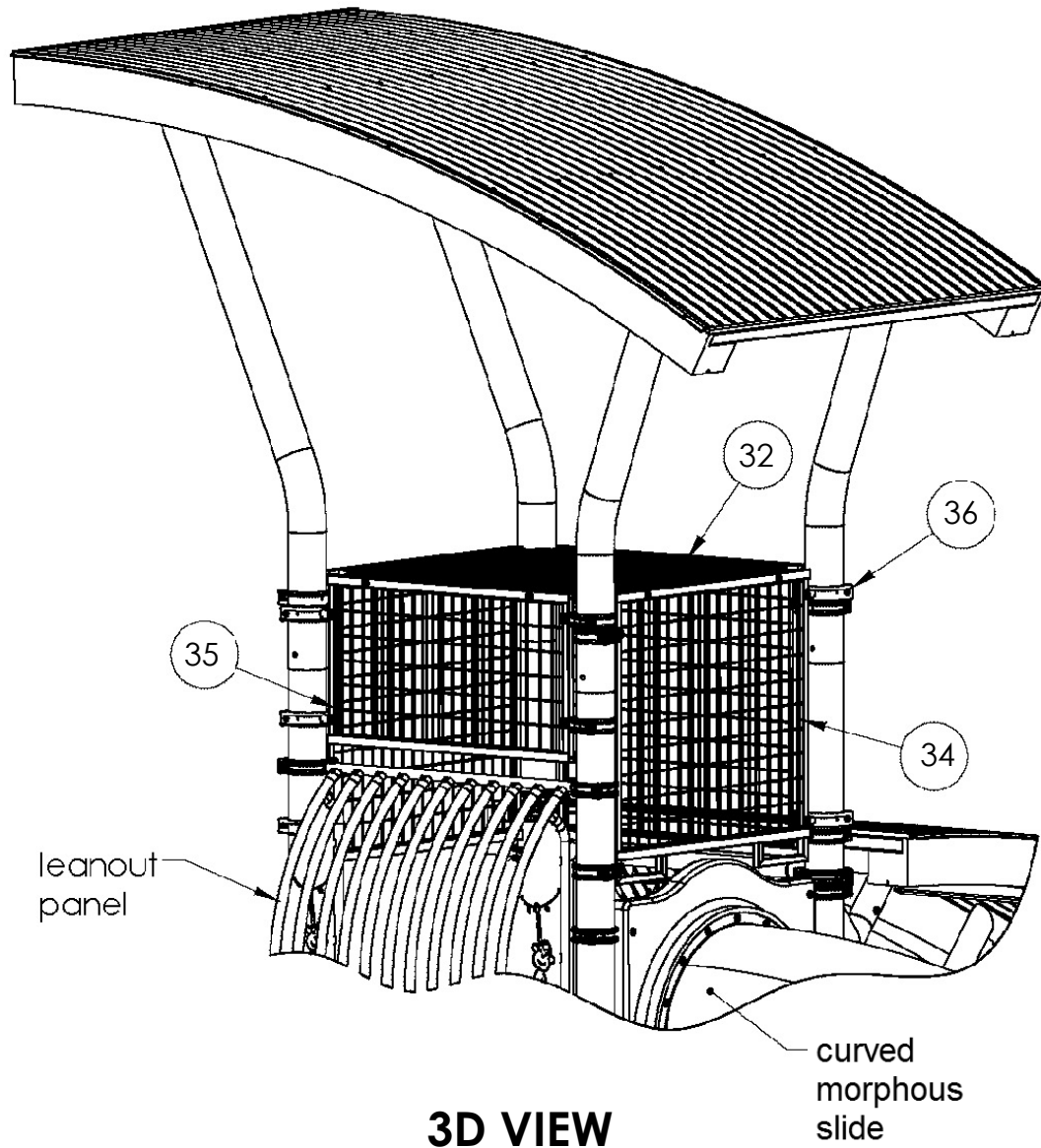
DETAIL 37
Typ 4 Places



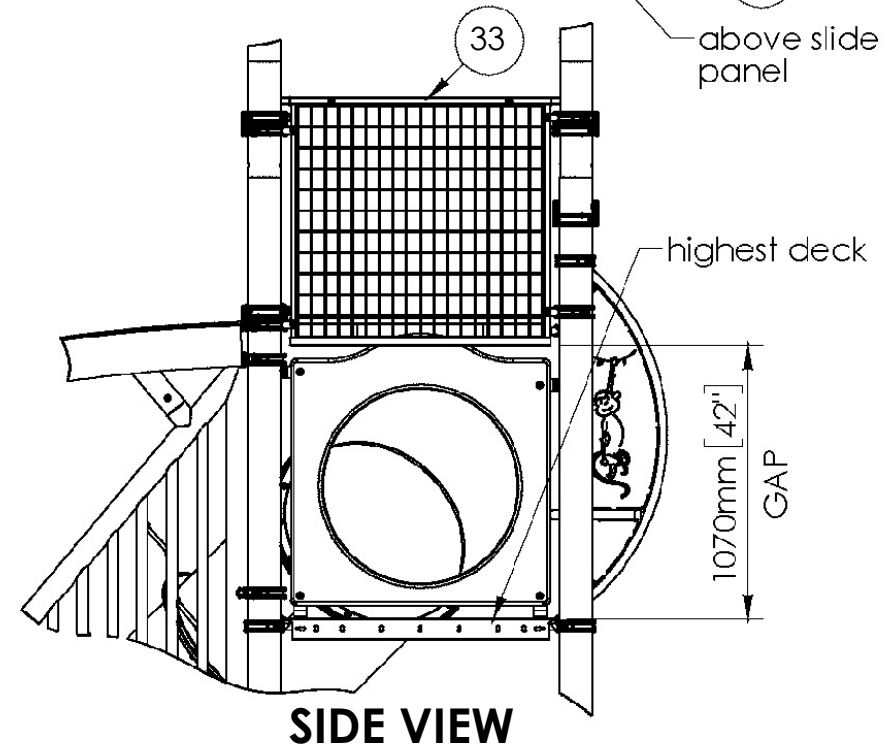
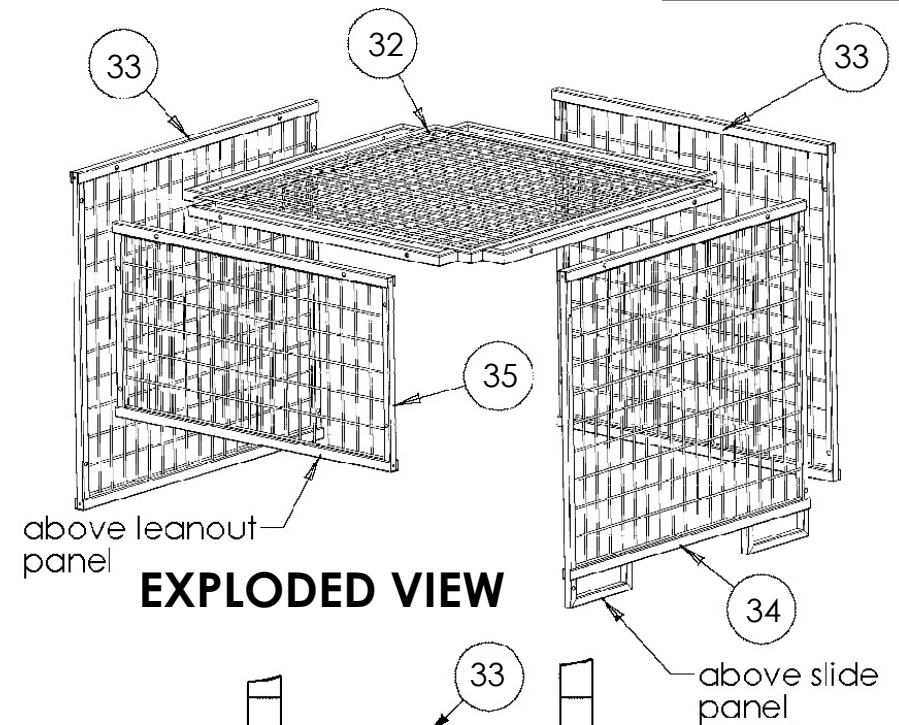
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TRACY ARCHER

WIRE ENCLOSURE

AUTHORIZED BY: 05MAY22
TRACY ARCHER



3D VIEW



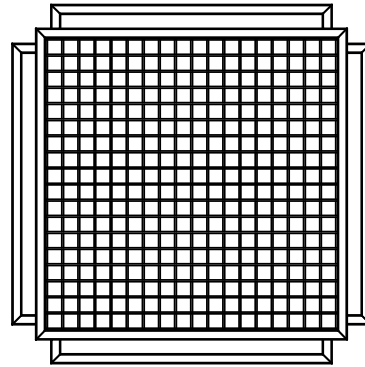
SIDE VIEW

WIRE ENCLOSURE

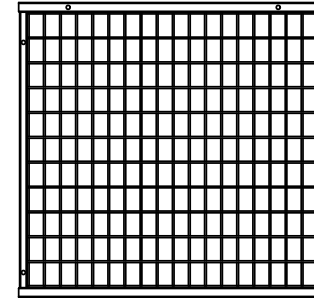
Installation Instructions

1. The wire enclosure panels are installed after all other events on the Tower are installed.
2. Loosely attach four square tube clamps to each post, above the highest deck. See front of manual for clamp installation details.
3. Loosely attach the two tall side panels (item 33) to the clamps, on the side above the curved roof and the side opposite, as shown in DETAIL 38 on sheet 38 and 3D VIEW on sheet 36. Maintain a gap of 1070mm [42"] between the bottom of the tall side panels and the top of the highest deck as shown in the SIDE VIEW on sheet 36.
4. Loosely attach the top panel (item 32) to the tall side panels as shown in DETAIL 39 on sheet 38. Check panels for level.
5. Loosely attach the slide panel (item 34) to the clamps as shown in DETAIL 38. Attach panel to the top panel as shown in DETAIL 39.
6. Loosely attach the side panel to the clamps as shown in DETAIL 38. Attach panel to the top panel as shown in DETAIL 39.
7. Verify that the gap between the bottom of the tall side panels and the top of the highest deck is 1070mm [42"].
8. Check for all panels for level, tighten all hardware, and install clamp drive pins.

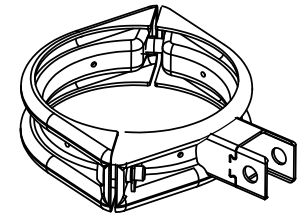
32



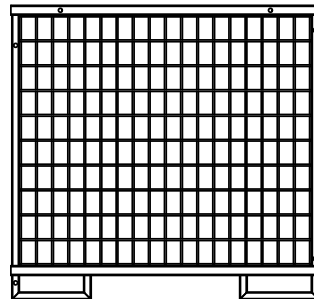
33



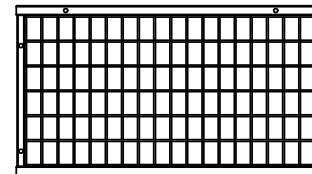
36



34

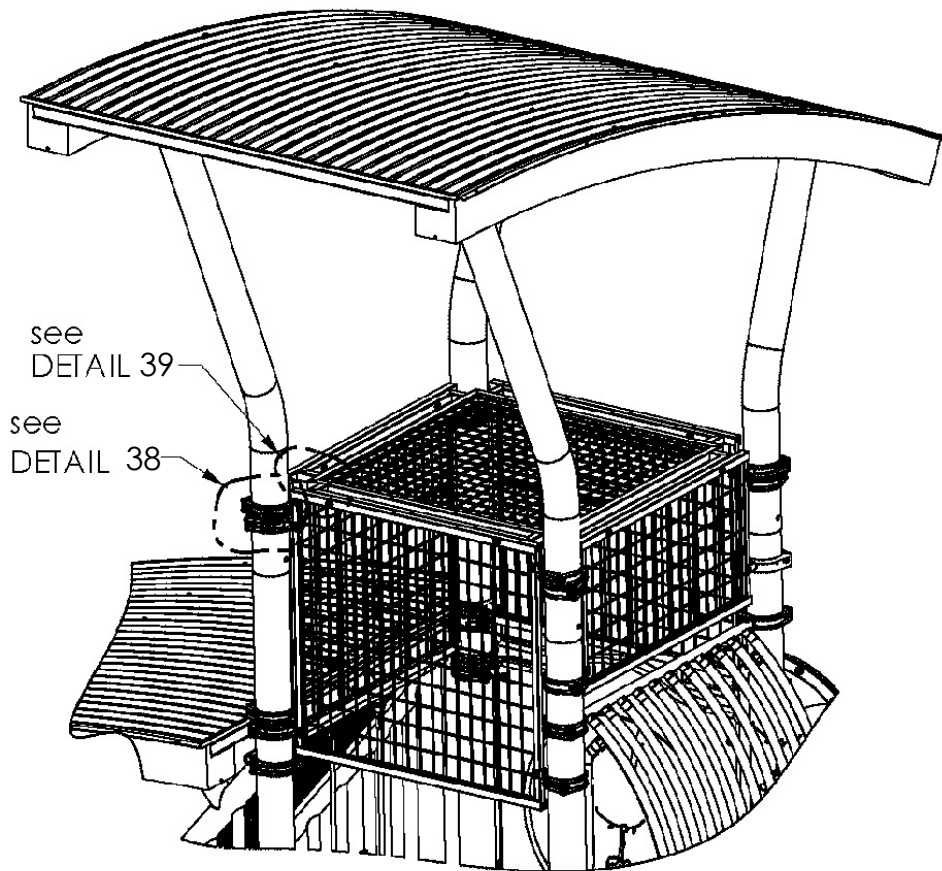


35

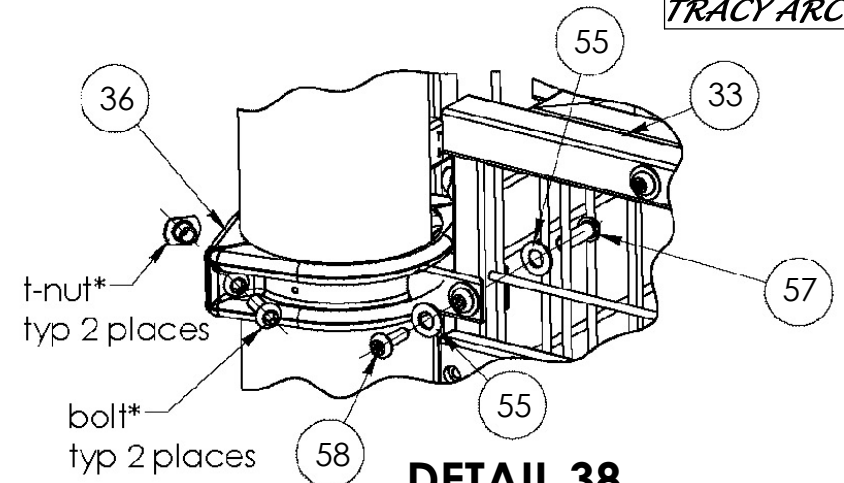


WIRE ENCLOSURE

AUTHORIZED BY: 05MAY22
TRACY ARCHER

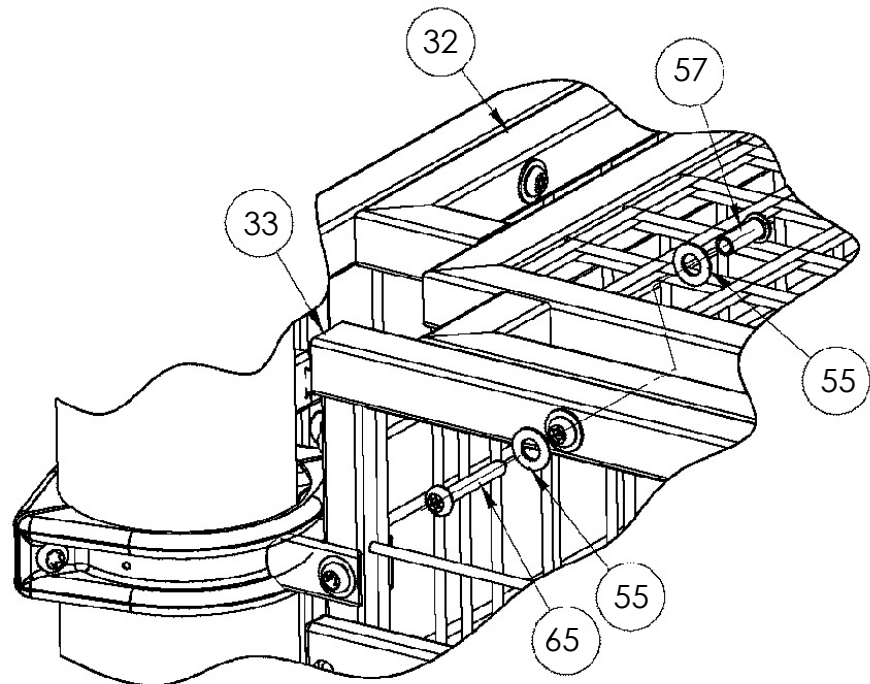


3D VIEW



DETAIL 38
Typ 16 Places

(*included with clamp assembly)



DETAIL 39
Typ 8 Places

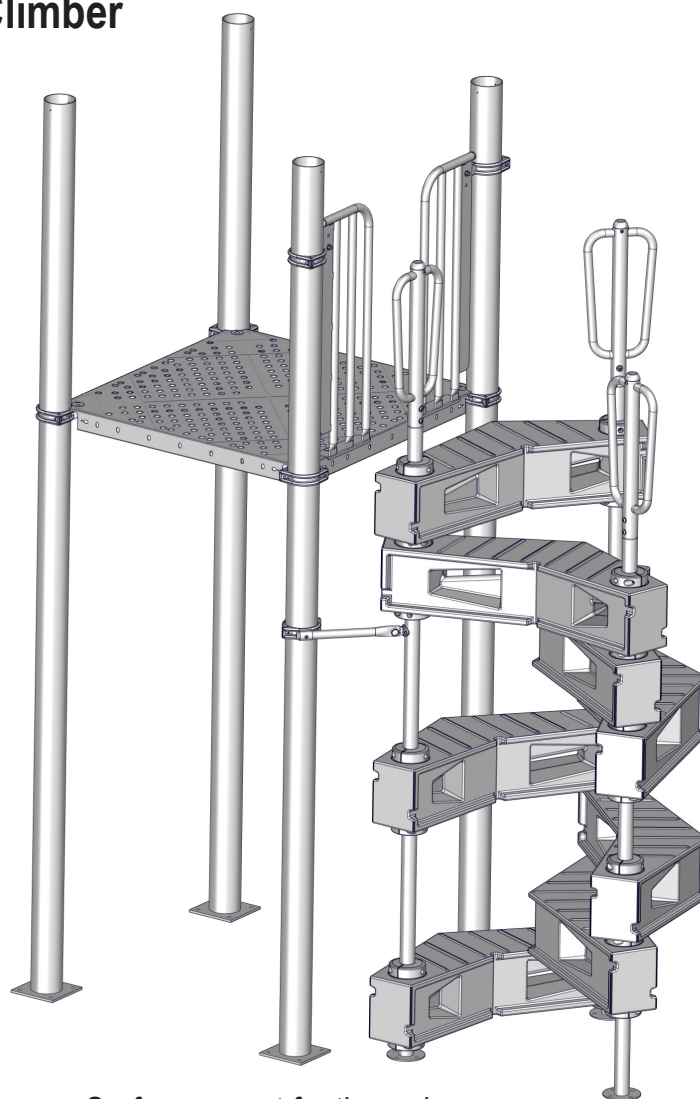
KB Stax Summit Climber

IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

KB300642

Model #200203685

KB Stax Summit Climber



Surface mount footings shown

NOTES:

An (*) by a part number (CODE) indicates: Color Code Required.

Deck and posts are not included in this model.

This product is designed for use on an 8 ft. [2440mm] deck height.

KB Stax Summit Climber**KB STAX SUMMIT CLIMBER Model 200203685**

CODE	DESCRIPTION	QTY
929378*	STAX RING CLAMP KIT	23
927692*	STAX ROTO (ROTO COLOR 1)	3
927692*	STAX ROTO (ROTO COLOR 2)	2
927692*	STAX ROTO (ROTO COLOR 3)	3
910315*	LOOP SAFETY W/O TAB RGT F/KB	1
910316*	LOOP SAFETY W/O TAB LFT F/KB	1
HW7712-1	HRDW PKG ARCH SFTY RL PNL S1/1	1
HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	1
909257*	CLAMP WING F/KB (2001)	1
928008*	7 STAX SM HANDLE WLDMT	1
928024*	7 STAX 305 HANDLE WLDMT	
927983*	7 STAX IG HANDLE POST	
928594*	STAX HANDLE KIT	3
927993*	STAX HANDLE WELDMENT	3
928009*	8 STAX SM HANDLE WLDMT	2
928025*	8 STAX 305 HANDLE WLDMT	
927984*	8 STAX IG HANDLE POST	
925520	PART CARTON LABELS F/5-12 (PPLT)	1
931557*	KIT FOR STABILIZING TUBE (STAX)	1

STAX RING CLAMP KIT 929378* (quantity = 23)

CODE	DESCRIPTION	QTY
929376*	STAX RING CLAMP	2
300002750	SCREW T-27 TORX ROUND WASHER HD	2
200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	2

HRDW PKG ARCH SFTY RL PNL S1/1 HW7712-1

CODE	DESCRIPTION	QTY
200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	6
200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	6
200002079	WASHER FLAT M11 23 X 12 X 1.6MM	8
200002096	WASHER FLAT M10 34 OD X 11 ID X 3 MM SS	4

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HRDW PKG F/2SETS O/CLAMPS S1/1 HW2CLMPSET-1		
CODE	DESCRIPTION	QTY
200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	4
200000797	HAMMER DRIVE PIN 4.7 X 11.11MM	4
200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	4
STAX HANDLE KIT 928594* (quantity = 3)		
CODE	DESCRIPTION	QTY
927691*	2 3/8" 10GA POST CAP	1
300002750	SCREW T-27 TORX ROUND WASHER HD	2
200002138	BOLT M8 X 1.25 MALE 42.5 MM	2
200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	2
200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	4
PART CARTON LABELS F/5-12 (PPLT) 925520		
CODE	DESCRIPTION	QTY
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
116099	LABEL, PLAY SMART RULES	1
200182847	LABEL ID/AGE 5-12	1
200182851	LABEL COVER CLEAR LAMINATE	1
200182853	STICKER CIRCLE, AGE 5YR - 12YR	1

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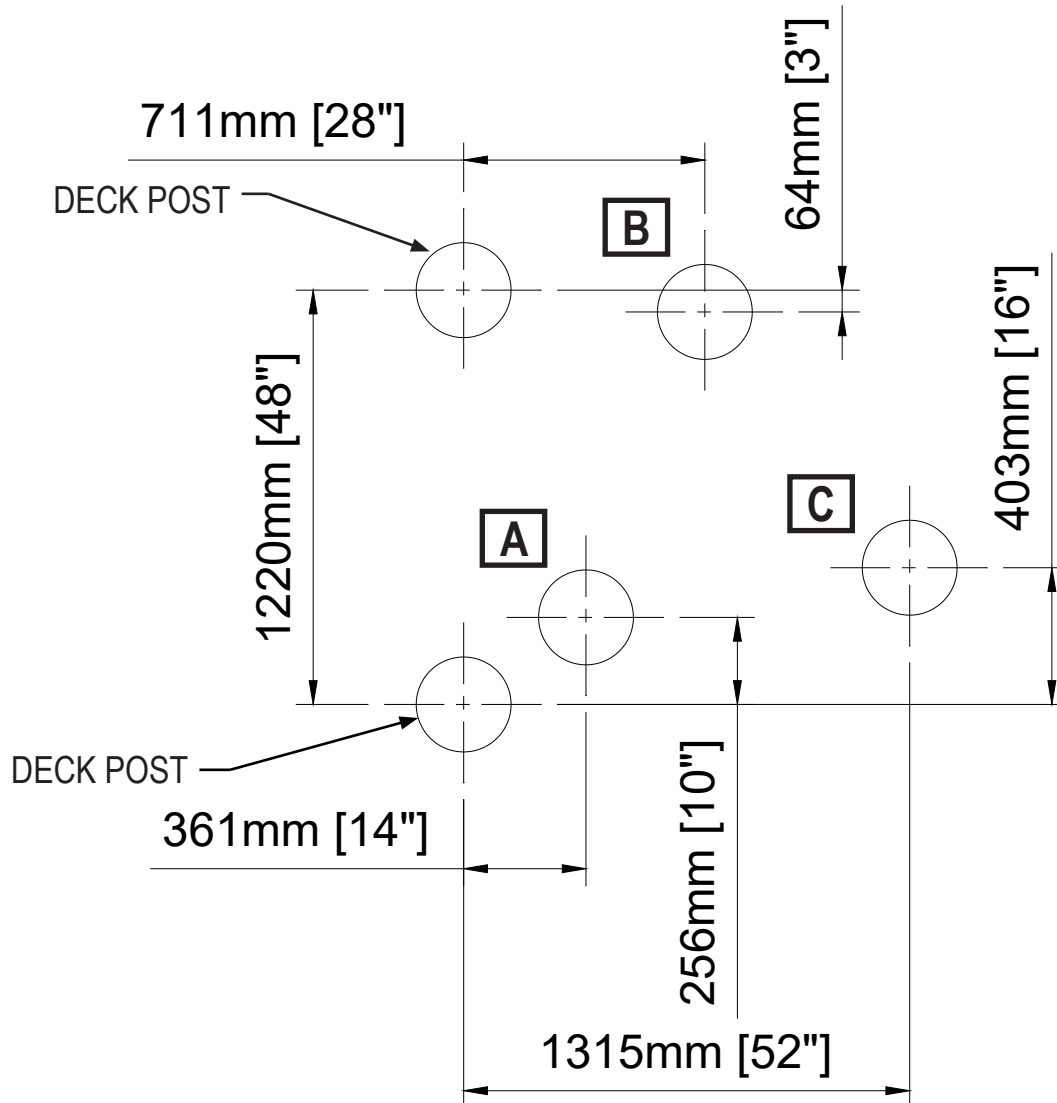
KB300642

KB Stax Summit Climber

<i>KIT FOR STABILIZING TUBE (STAX) 931557*</i>		
CODE	DESCRIPTION	QTY
931550*	STABILIZING TUBE	1
931551	INST. STABILIZING TUBE	1
910340*	TAB RAIL 33.4 F/PB	2
200058372	GASKET F/PB TABS (SMALL)	1
300002750	SCREW T-27 TORX ROUND WASHER HD	3
910917*	CAP HARDWARE COVER	1
910918*	CAP HARDWARE BASE	1
200002079	WASHER FLAT M11 23 X 12 X 1.6MM	2
200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	1
200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	1
905576*	CLAMP HALF W/O WELDED ATTACH.	1
200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	2
909586*	CAP HDPE F/1.315" X 14 GA	1
200000733	SPACER WEDGE ALUM. F/KB CLAMP F/SLOT	1

KB Stax Summit Climber

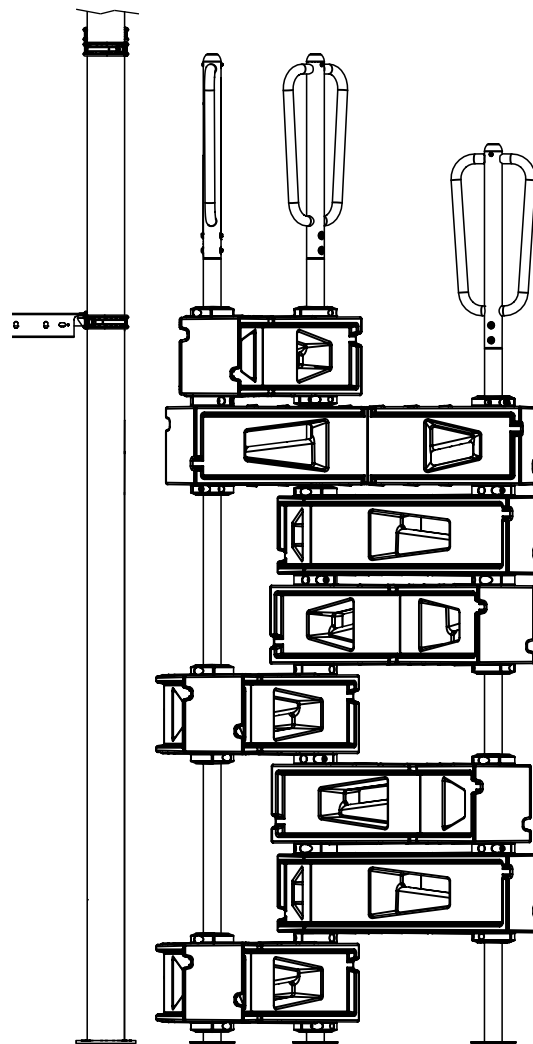
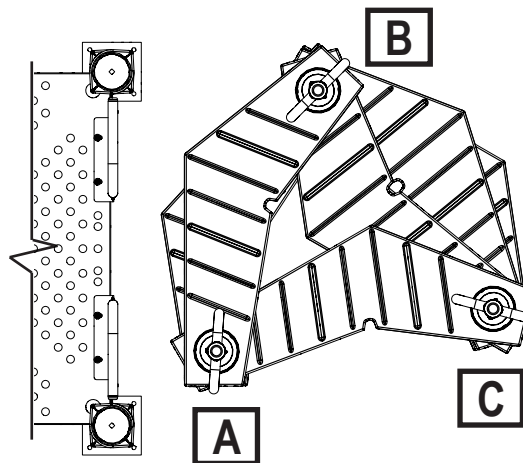
FOOTING LAYOUT



KB Stax Summit Climber

KB300642

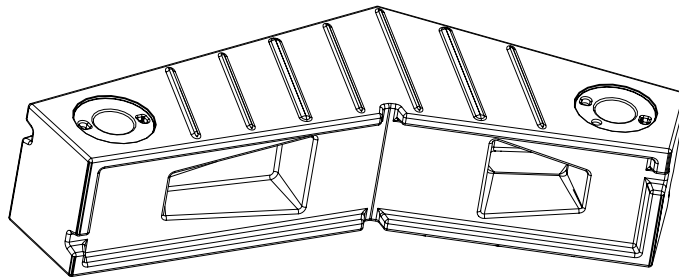
KB Stax Summit Climber

**SIDE VIEW****TOP VIEW**

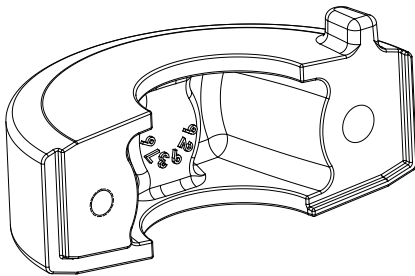
NOTE THE CORRECT
ORIENTATION OF
EACH HANDLE

KB Stax Summit Climber

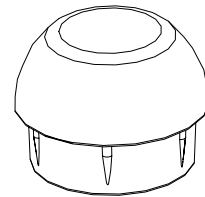
PARTS IDENTIFICATION



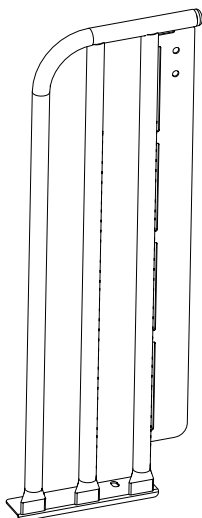
927692* STAX ROTO (ROTO COLOR 1) quantity = 3
 927692* STAX ROTO (ROTO COLOR 2) quantity = 2
 927692* STAX ROTO (ROTO COLOR 3) quantity = 3



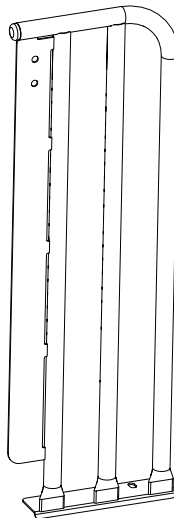
929376* STAX RING CLAMP



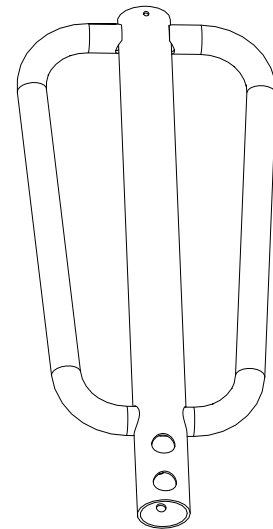
927691* 2 3/8" 10GA
 POST CAP



910315* LOOP SAFETY
 W/O TAB RGT F/KB



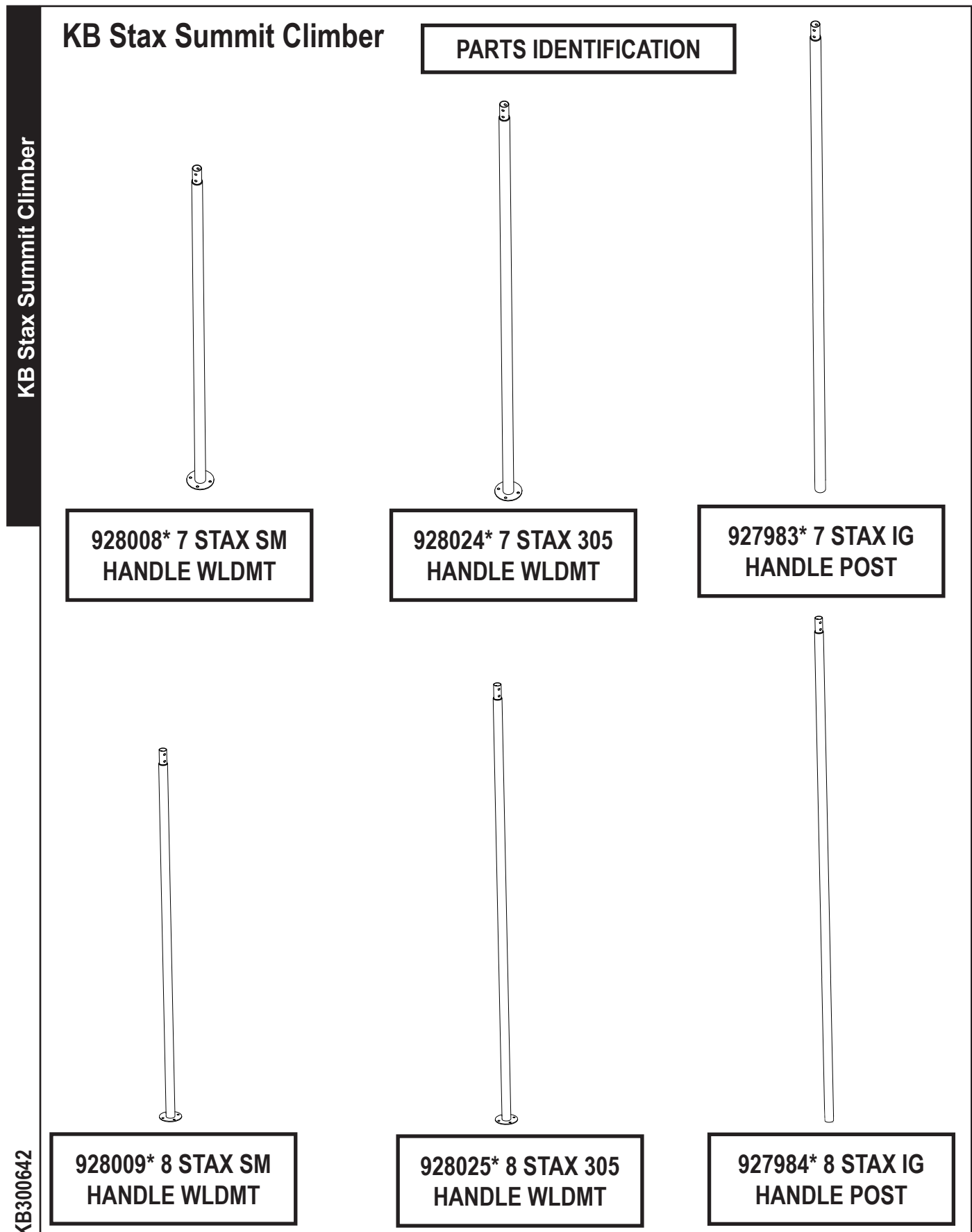
910316* LOOP SAFETY
 W/O TAB LFT F/KB



927993* STAX HANDLE
 WELDMENT

KB Stax Summit Climber

KB300642

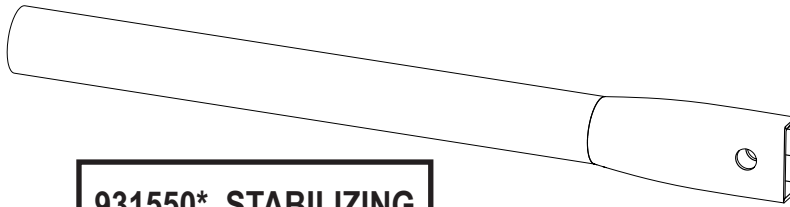


KB Stax Summit Climber

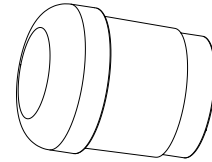
KB300642

KB Stax Summit Climber

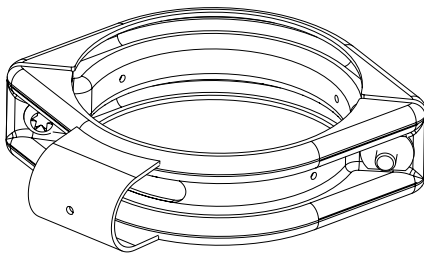
PARTS IDENTIFICATION



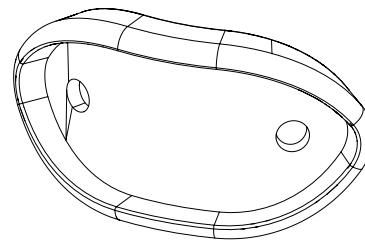
**931550* STABILIZING
TUBE**



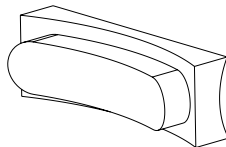
**909586* CAP HDPE
F/1.315" X 14 GA**



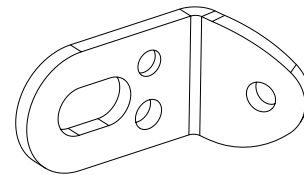
**30 DEG. RAIL CLAMP W/WEDGE
ASSEMBLY (200002502* & 200002486*)**



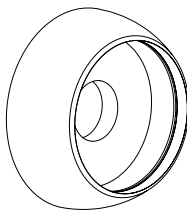
**200058372 GASKET F/
PB TABS (SMALL)**



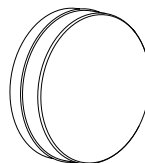
**200000733 SPACER
WEDGE ALUM. F/KB
CLAMP F/SLOT**



**910340* TAB RAIL 33.4
F/PB**



**910918* CAP
HARDWARE BASE**



**910917* CAP
HARDWARE COVER**

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STEP 1 DECK AND CLIMBER FOOTINGS

1a. Refer to Footing Layout and Construction Drawings for surface mount and in-ground footing criteria for installation.

1b. Mark locations and dig footings for climber per Footing Layout. Place blocking material in bottom of footing holes.

Note: *Do not pour concrete for climber footings until model is fully assembled per instructions and braced in position, leveled and plumbed.*

STEP 2 ASSEMBLE WING CLAMPS

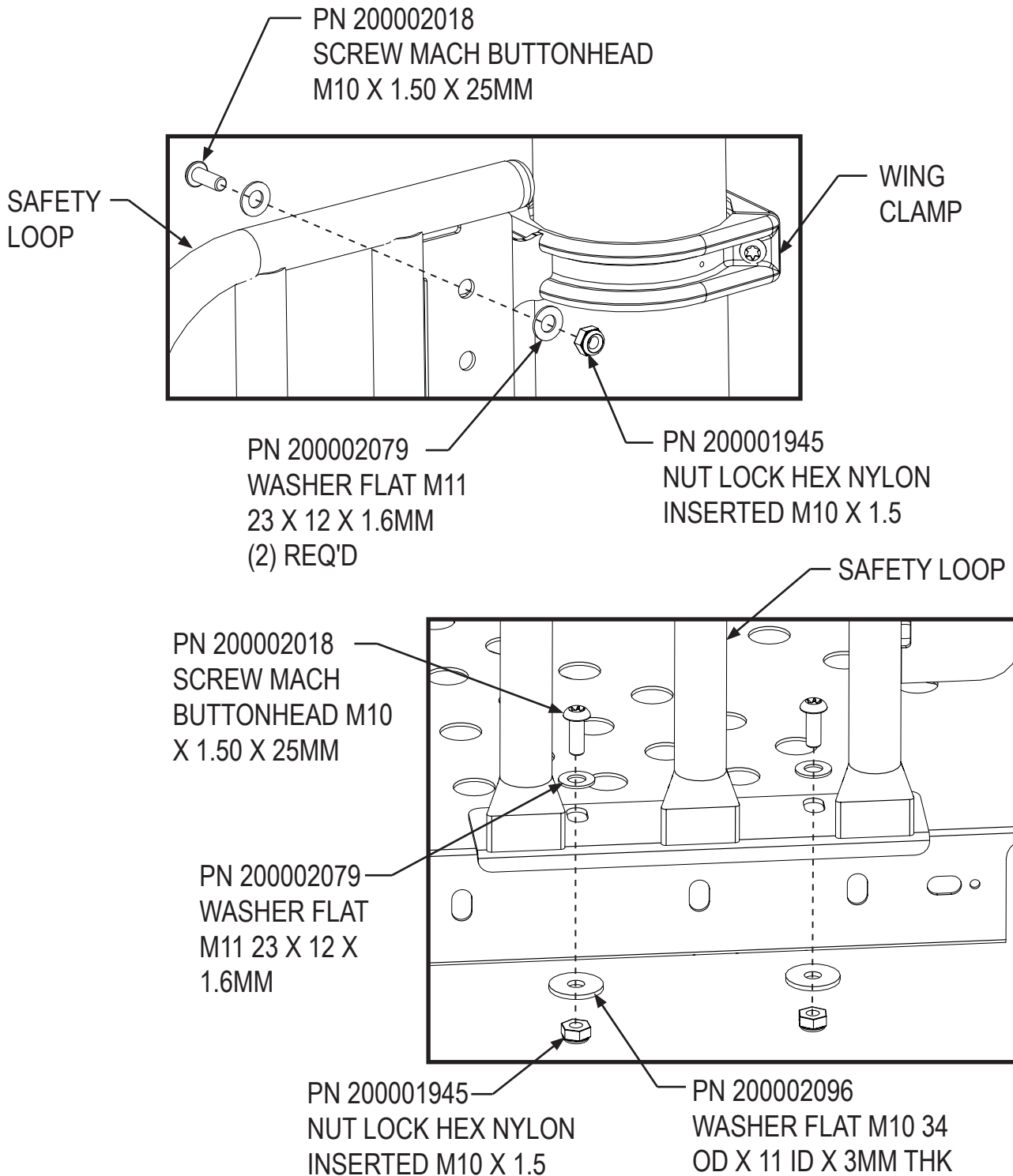
2a. Loosely assemble wing clamps on posts per clamp installation details in the installation manual.

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STEP 3 LOOSELY ATTACH TOP/BOTTOM OF ENCLOSURES TO DECK

3a. Loosely attach safety loops to deck and to wing clamps/posts as shown below.

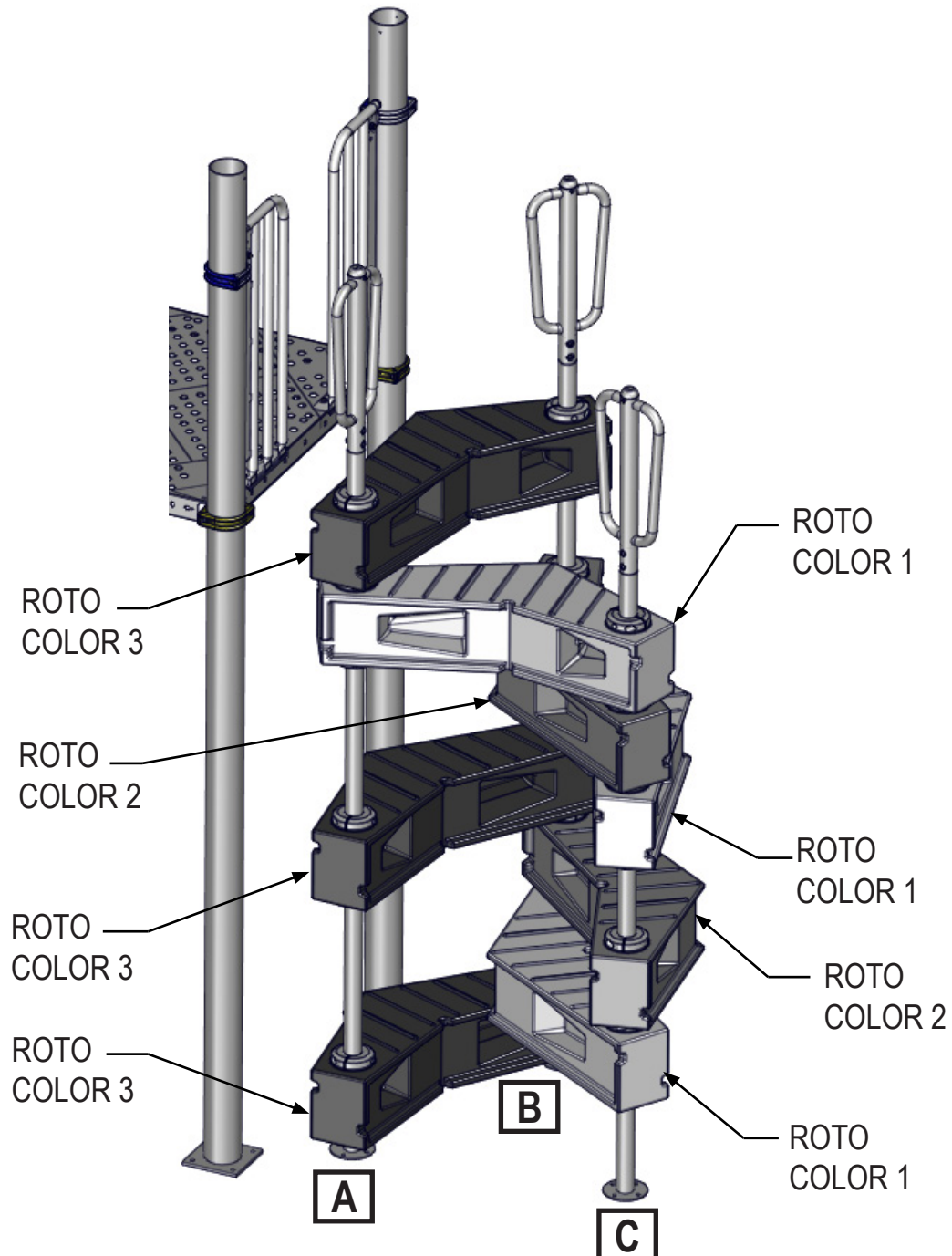
3b. Install wing clamp tabs on deck side of safety loop.



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STEP 4 IDENTIFY COLOR LOCATIONS

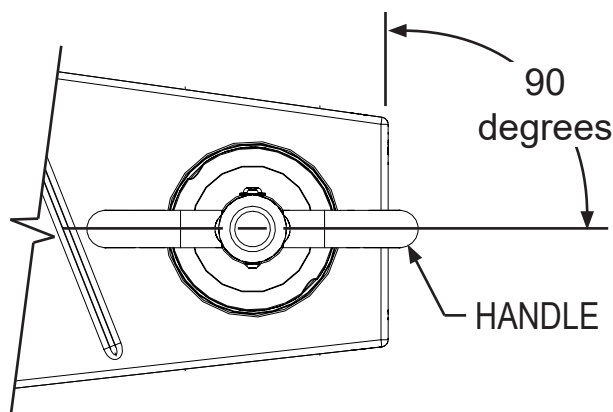
4a. See below for correct locations for each color of rotos.



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STEP 5 HANDLE ORIENTATION

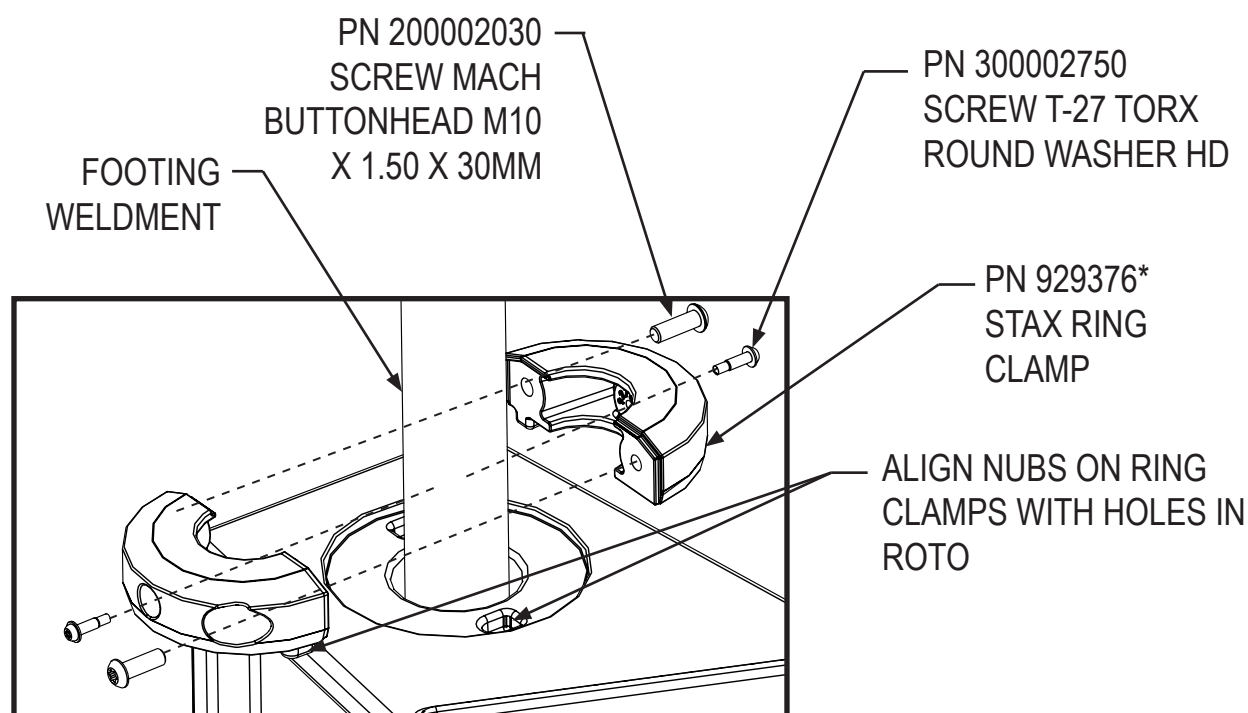
5a. Orient handles as shown below. Handles will need to be rotated to correct position before any clamps are installed.



TOP VIEW OF HANDLE ANGLE

STEP 6 TYPICAL RING CLAMP CONNECTION

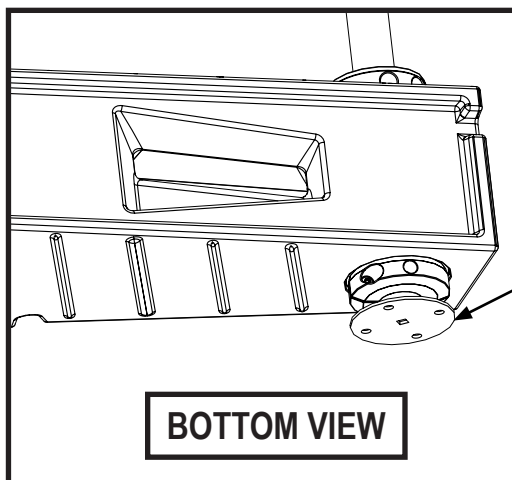
6a. Loosely attach the ring clamps with hardware as shown below. The ring clamps should be installed flush in the recessed hole in the roto. Nubs on clamps must be aligned with holes in roto. Do not install PN 300002750 SCREW T-27 TORX ROUND WASHER HD until all rotos are assembled.



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STEP 7 SURFACE MOUNT FOOTINGS

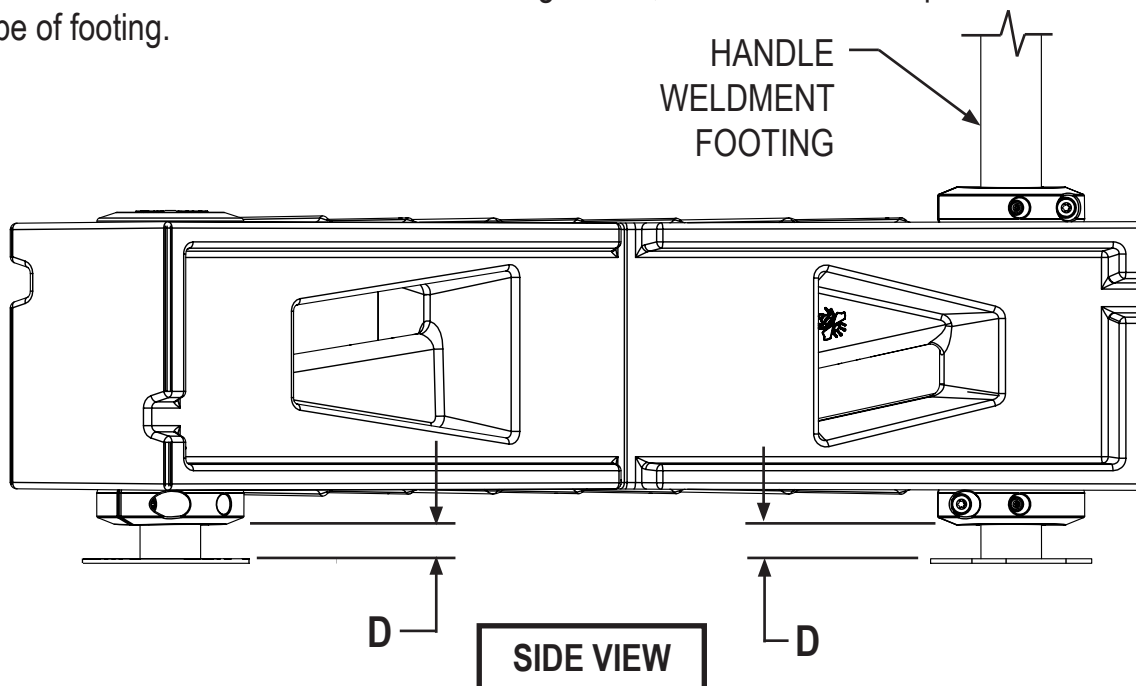
7a. Note that for **surface mount footings** (with plates), the circular footing plate mounting holes will NOT be accessible after the roto is placed on the footing tubes. The footings will need to be anchored down **before** the roto is added, to allow access to the circular mounting plate. The ring clamps on the handle footing will need to be placed at surface level on the post to match the level of the short end footing (see step 8).



For surface mount footings (with plates), the circular footing plate mounting holes will not be accessible if roto is placed on footing before it is anchored in place.

STEP 8 PLACE RING CLAMPS AT SURFACE LEVEL

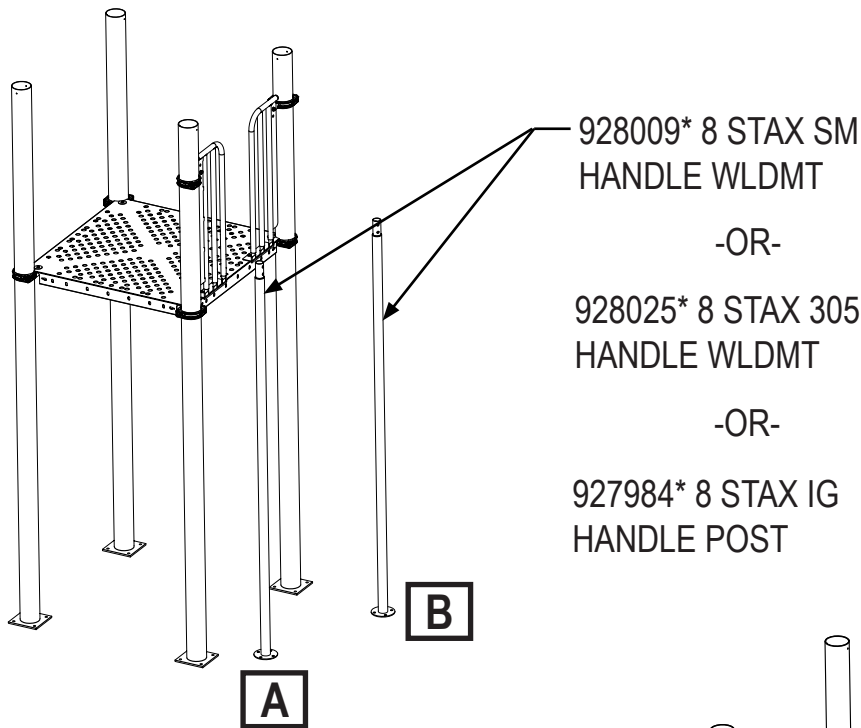
8a. The ring clamps will need to be placed at surface level on the post. Make sure both footings are at the same distance from the bottom of the roto. These distances ("D") should be equal so the roto will be level. Surface mount footing shown, refer to customer specific model for correct type of footing.



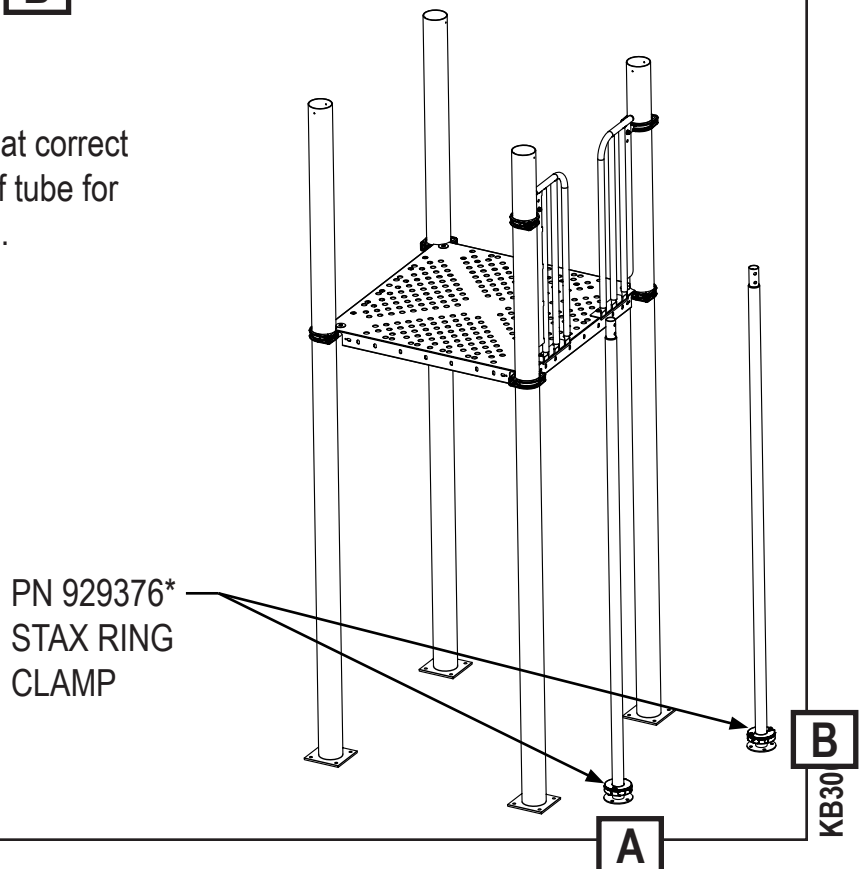
KB Stax Summit Climber

STEP 9 FIRST ROTO ASSEMBLY

9a. The color of the roto will be roto color 3 (see step 4). Place the two footings in the correct locations and anchor. Surface mount footing shown, refer to customer specific model for correct type of footing.



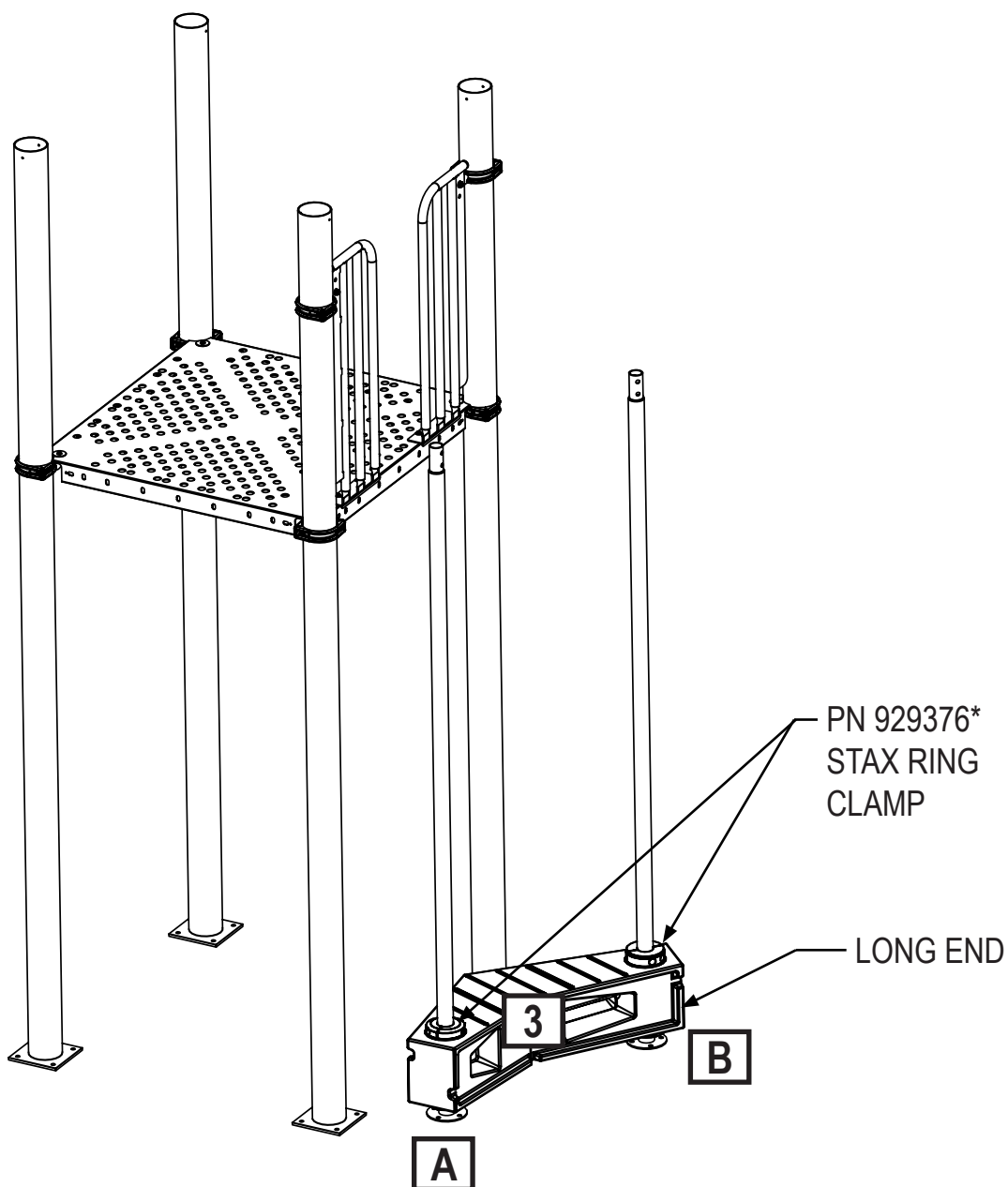
9b. Assemble ring clamps on footings at correct distance above footing plate (or end of tube for inground footings) (see steps 6 and 9).



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STEP 9 FIRST ROTO ASSEMBLY (continued)

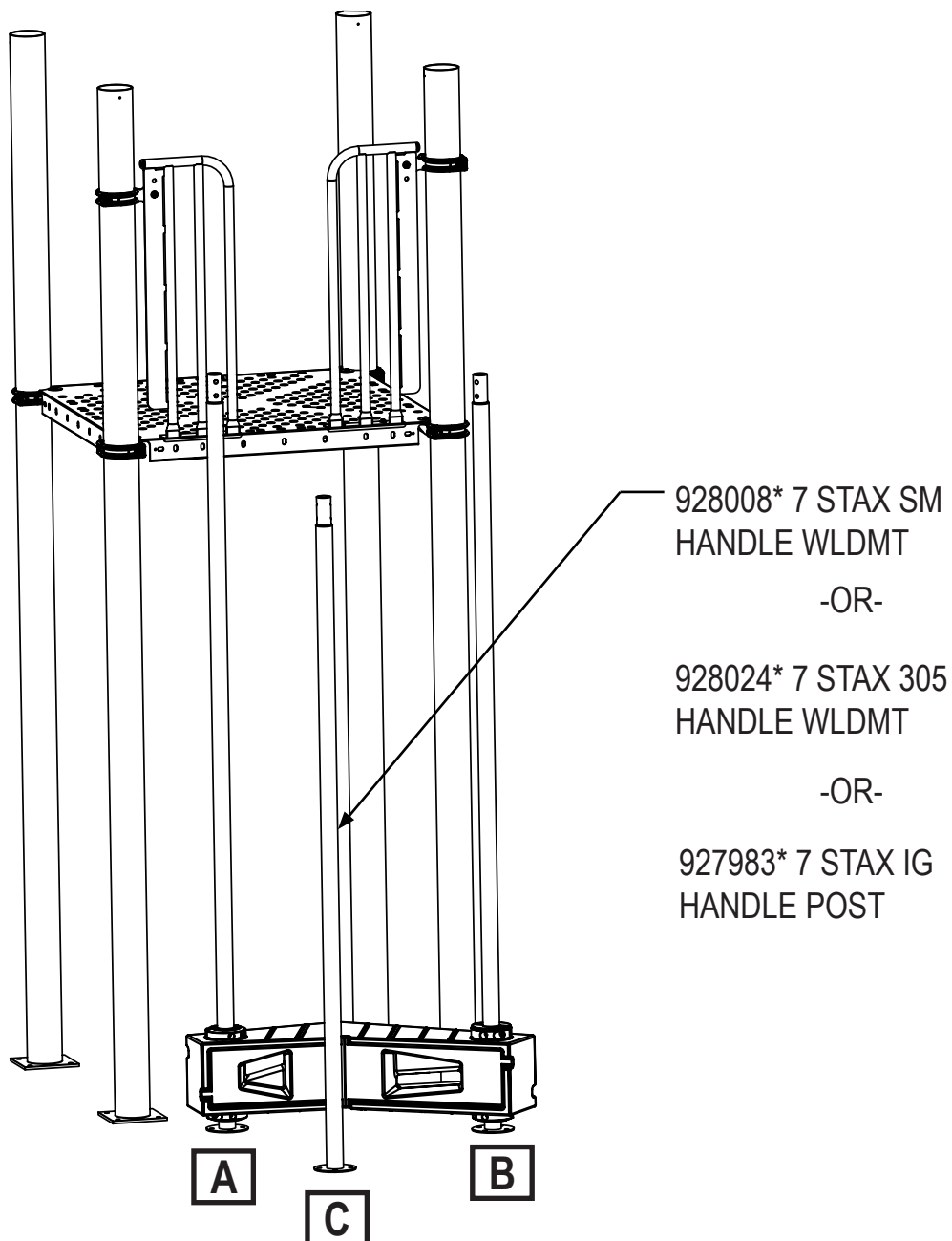
9c. Note correct position of long end. Slide roto over footing tubes **A** and **B**. Assemble ring clamps (see step 6) on **A** and **B** footings. Box with number on roto [**X**] denotes color number.



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STEP 10 SECOND ROTO ASSEMBLY

10a. The color of the roto will be roto color 1 (see step 4). Place the third footing (C) in the correct location and anchor. Surface mount footing shown, refer to customer specific model for correct type of footing.

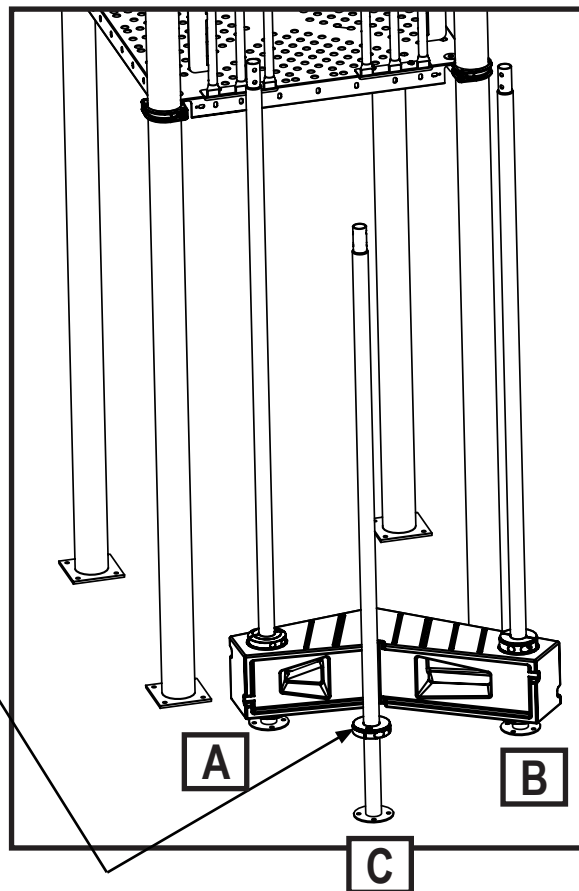


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STEP 10 SECOND ROTO ASSEMBLY (continued)

10b. Assemble ring clamp on footing **C** at correct distance above footing plate (or end of tube for inground footings) (see steps 6 and 8).

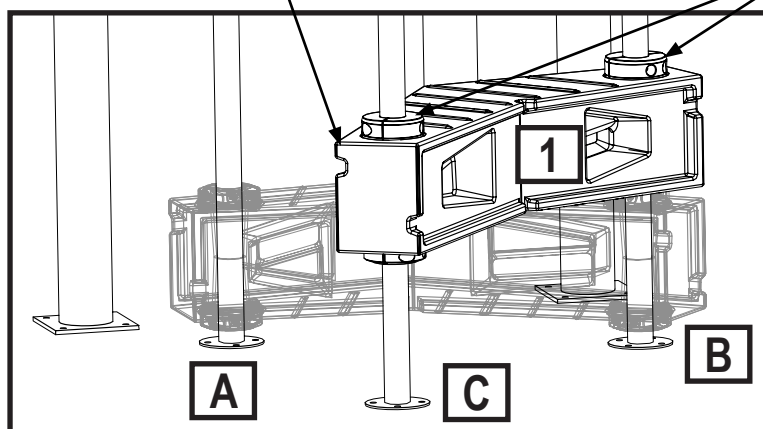
PN 929376*
STAX RING
CLAMP



10c. Note correct position of long end. Slide roto over footing tubes **B** and **C**. Assemble ring clamps (see step 6) on top of **B** and **C** footing.

LONG END

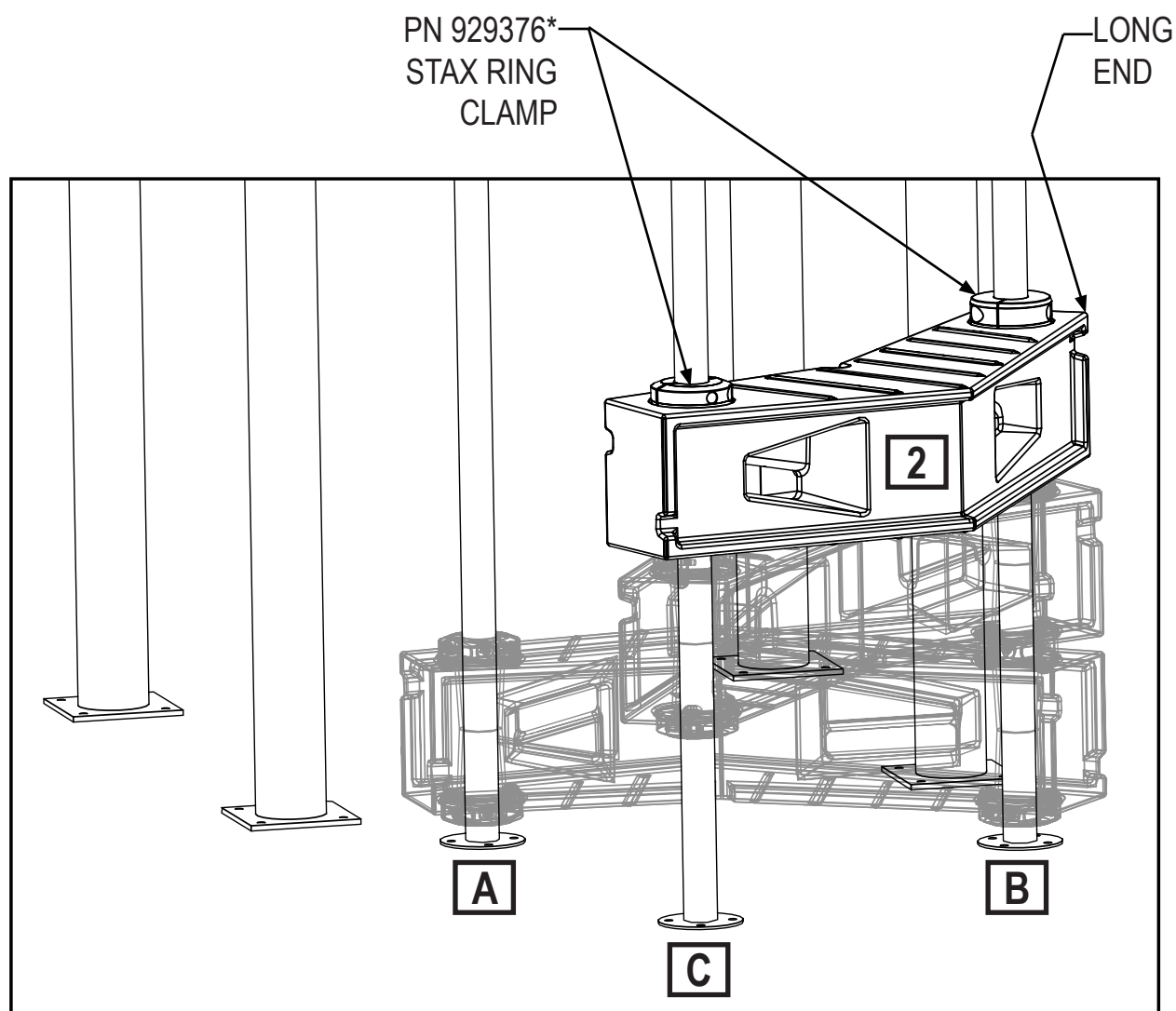
PN 929376*
STAX RING
CLAMP



KB Stax Summit Climber

STEP 11 THIRD ROTO ASSEMBLY

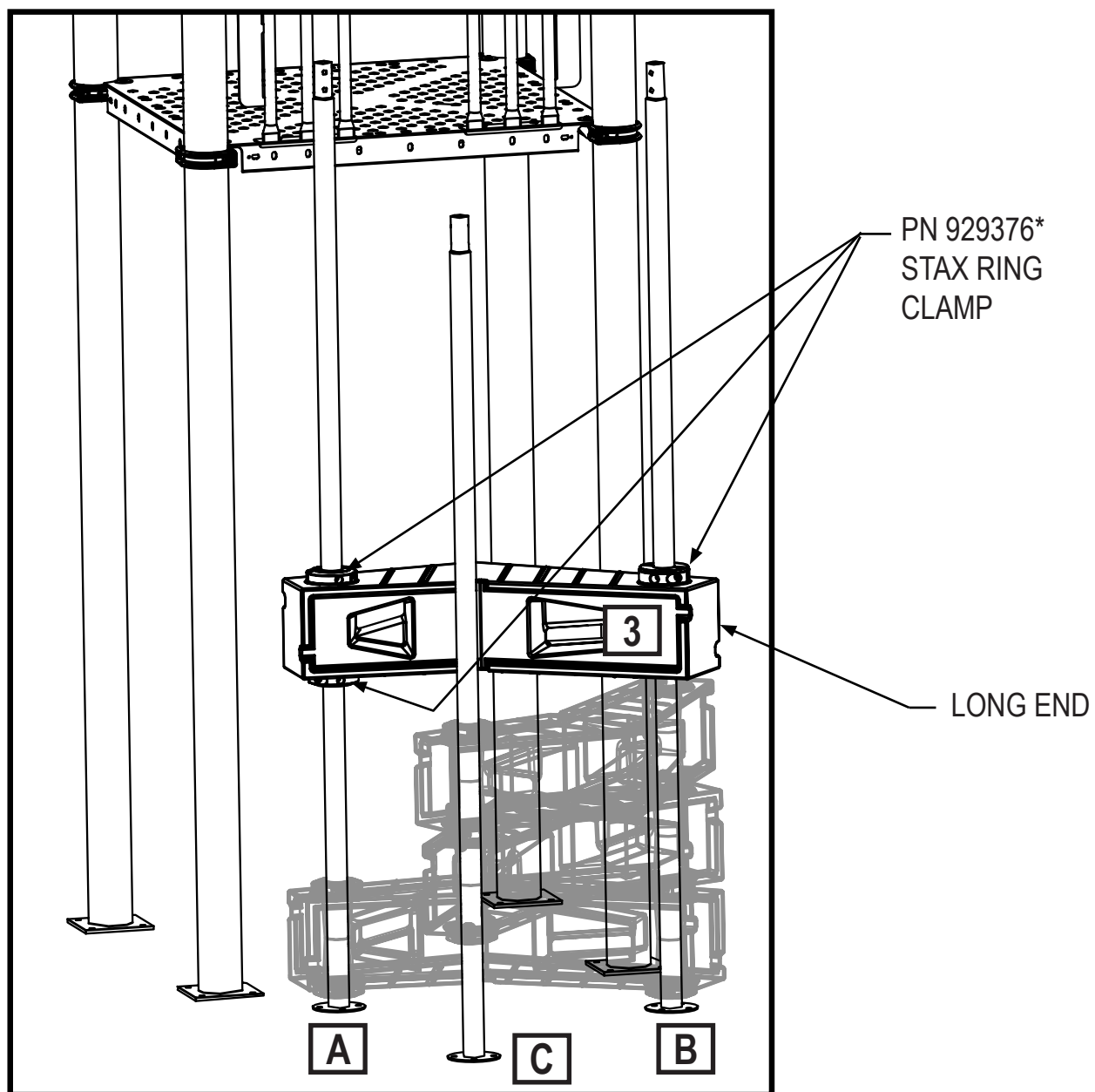
11a. The color of the roto will be roto color 2 (see step 4). Note correct position of long end. Slide roto over footing tubes **B** and **C**. Install ring clamp (see step 6) on top of **B** and **C** footings. Check that the roto is level. Surface mount footing shown, refer to customer specific model for correct type of footing.



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STEP 12 FOURTH ROTO ASSEMBLY

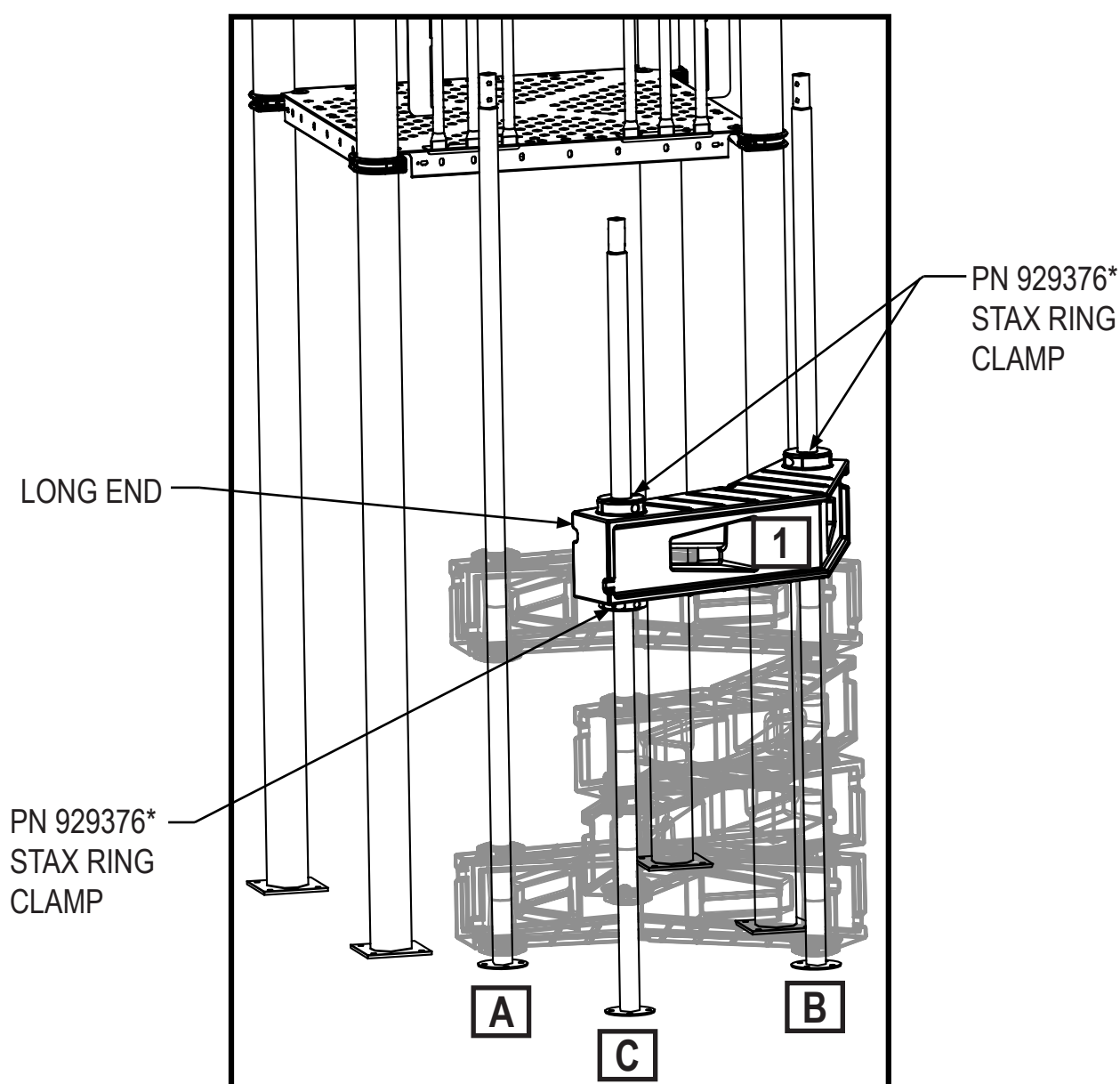
12a. The color of the roto will be roto color 3 (see step 4). Note correct position of long end. Slide roto over footing tubes **A** and **B**. Install ring clamps (see step 6) on the top and bottom of **A** footing. Install ring clamp on **B** footing. Check that the roto is level. Surface mount footing shown, refer to customer specific model for correct type of footing.



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STEP 13 FIFTH ROTO ASSEMBLY

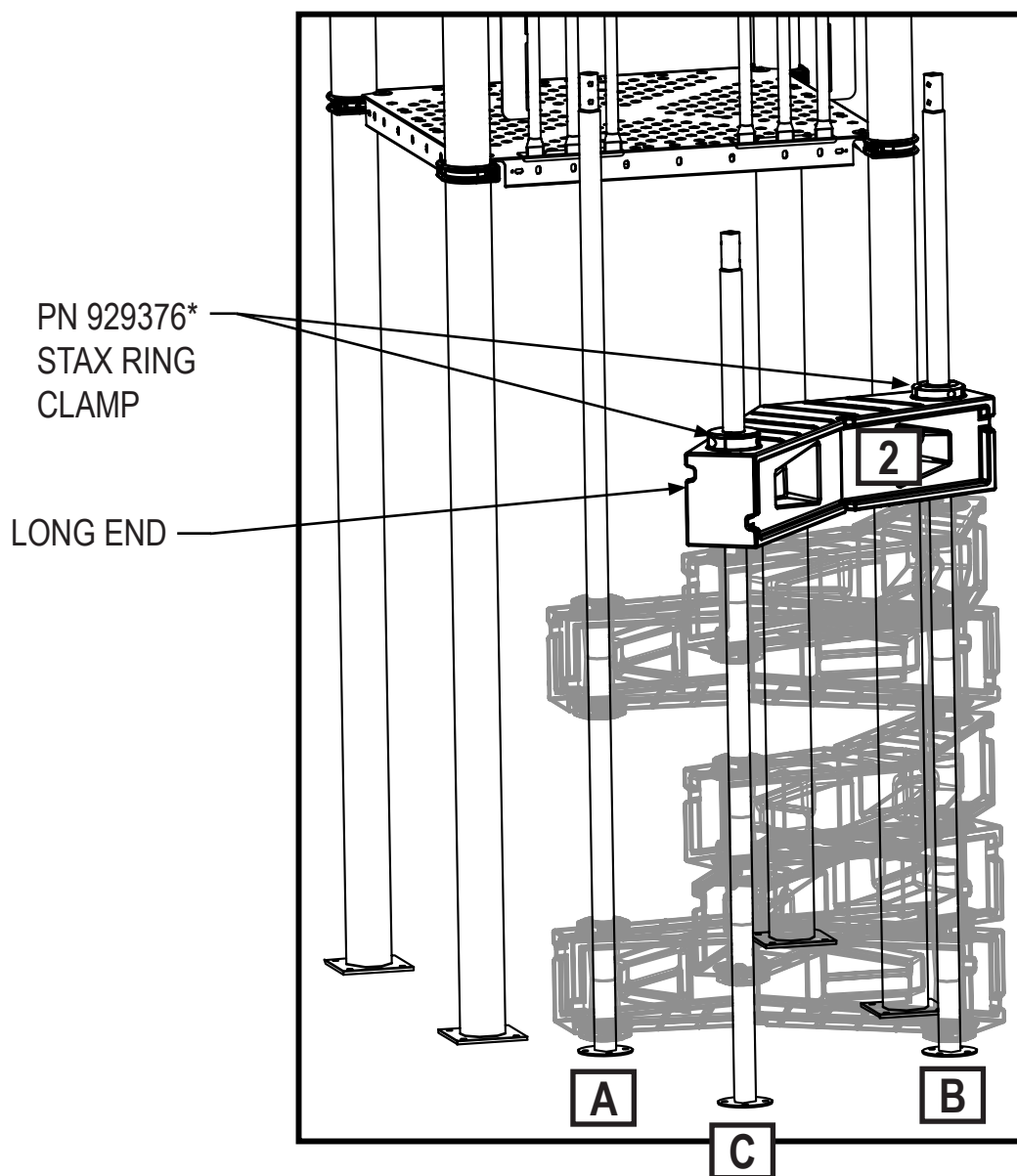
13a. The color of the roto will be roto color 1 (see step 4). Note correct position of long end. Slide roto over footing tubes **B** and **C**. Install ring clamps on top of **B** and **C** footing (see step 6) and ring clamp on the bottom of **C** footing. Check that the roto is level. Surface mount footing shown, refer to customer specific model for correct type of footing.



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STEP 14 SIXTH ROTO ASSEMBLY

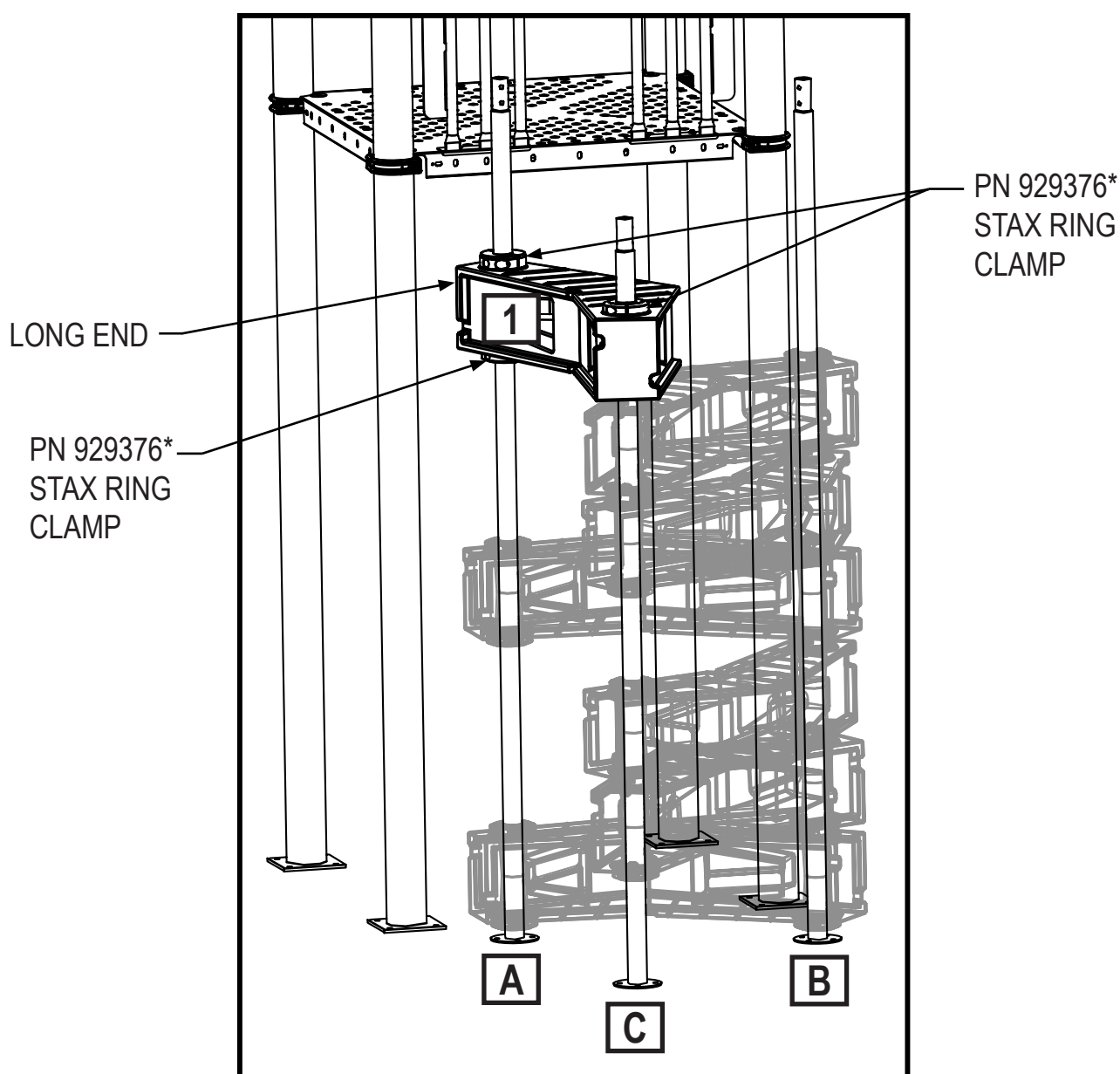
14a. The color of the roto will be roto color 2 (see step 4). Note correct position of long end. Slide roto over footing tubes **B** and **C**. Install ring clamp on footing **B** and **C** (see step 6). Check that the roto is level. Surface mount footing shown, refer to customer specific model for correct type of footing.



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STEP 15 SEVENTH ROTO ASSEMBLY

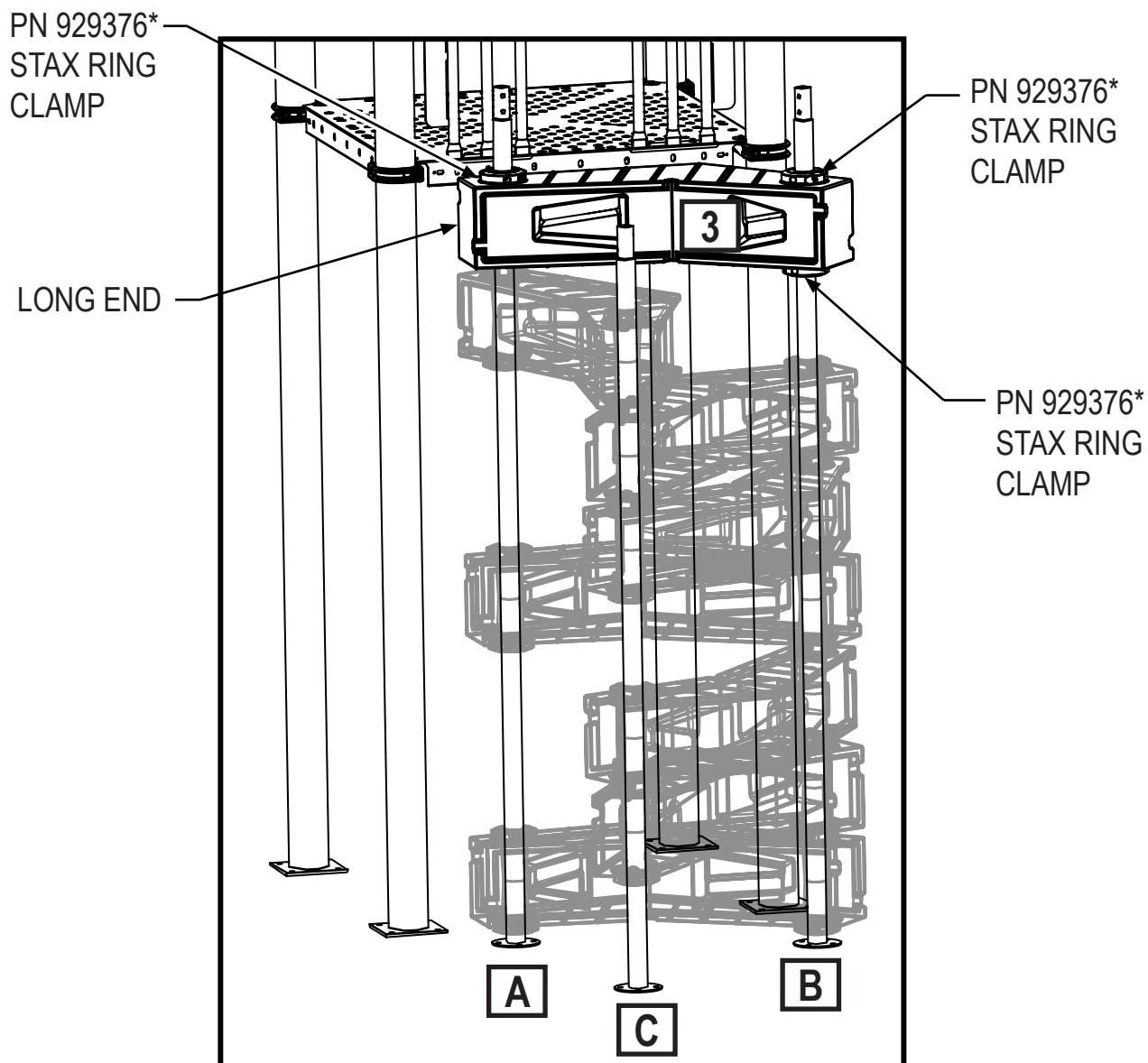
15a. The color of the roto will be roto color 1 (see step 4). Note correct position of long end. Slide roto over footing tubes **A** and **C**. Install ring clamp (see step 6) on top and bottom of footing **A**. Install ring clamp on footing **C**. Check that the roto is level. Surface mount footing shown, refer to customer specific model for correct type of footing.



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STEP 16 EIGHTH ROTO ASSEMBLY

16a. The color of the roto will be roto color 3 (see step 4). Note correct position of long end. Slide roto over footing tubes **A** and **B**. Install ring clamps (see step 6) on footing **A** and on top and bottom of footing **B**. Check that the roto is level. Surface mount footing shown, refer to customer specific model for correct type of footing.

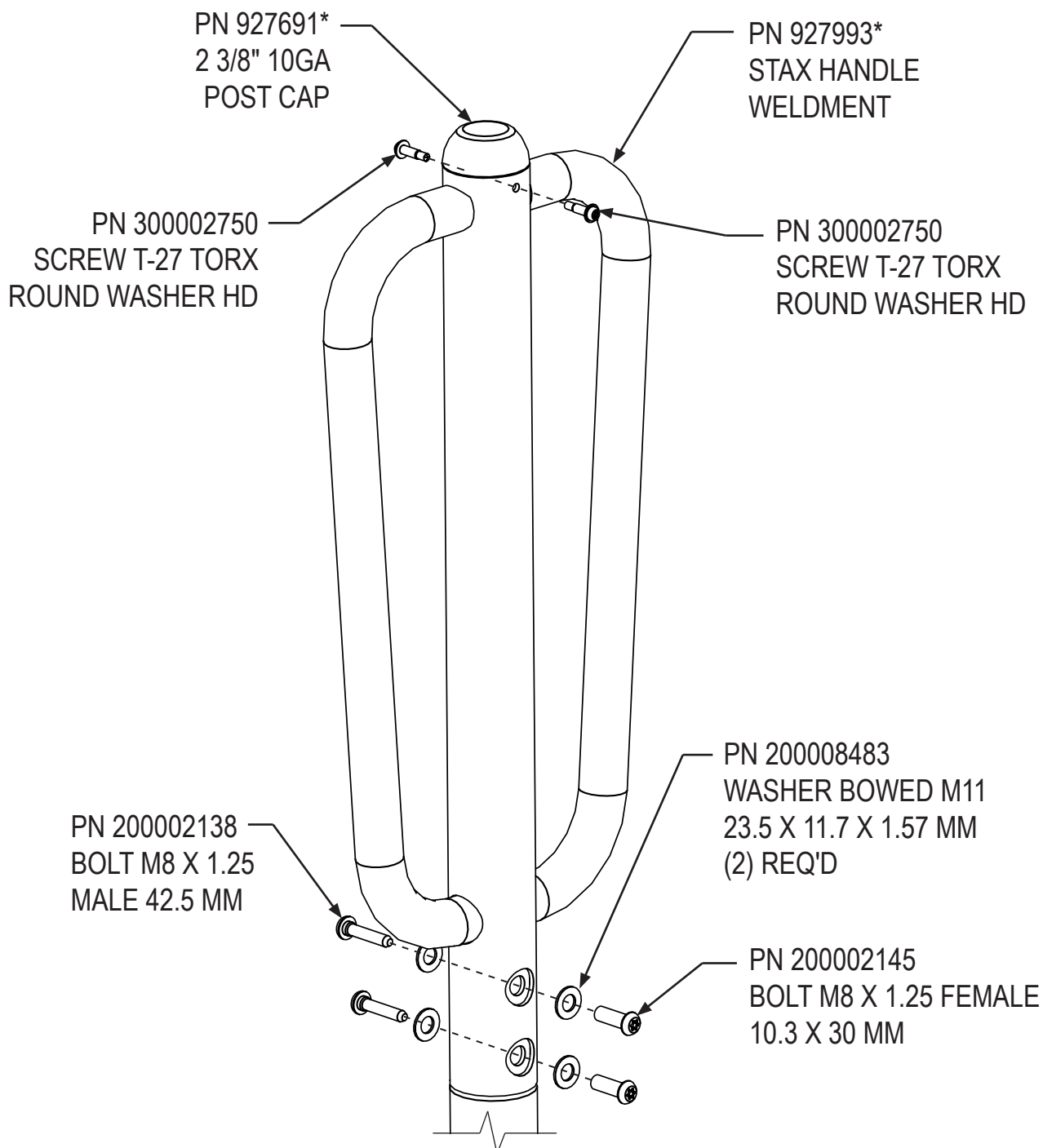


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STEP 17 TYPICAL HANDLE & POST CAP ATTACHMENT CONNECTION

17a. Attach the handle weldment to top of handle footing with hardware as shown below. Note the correct orientation of each handle - see top view on page 6.

17b. Attach the post cap to top of handle weldment with hardware as shown below.



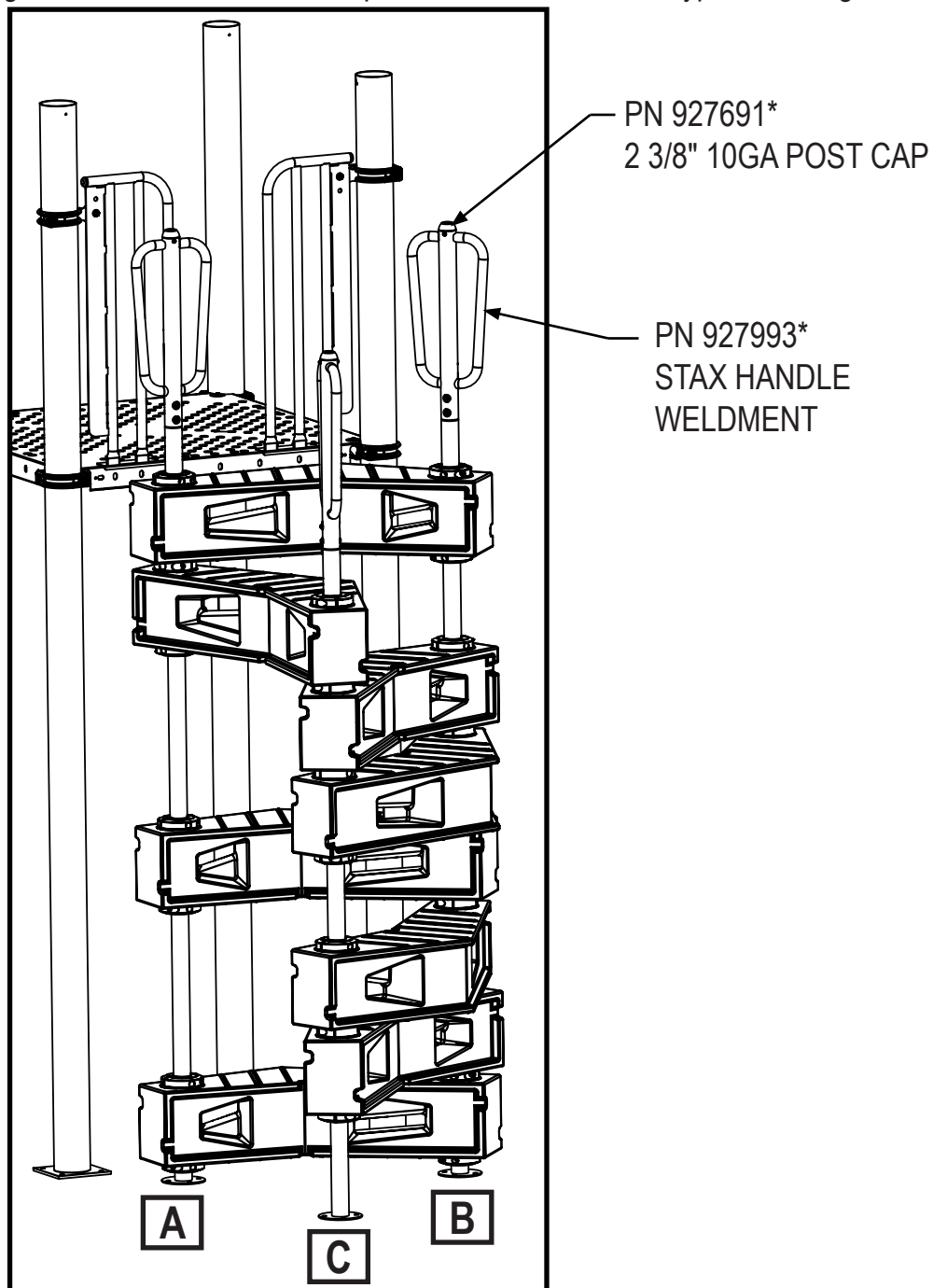
KB Stax Summit Climber

KB300642

KB Stax Summit Climber

STEP 18 HANDLE ATTACHMENT

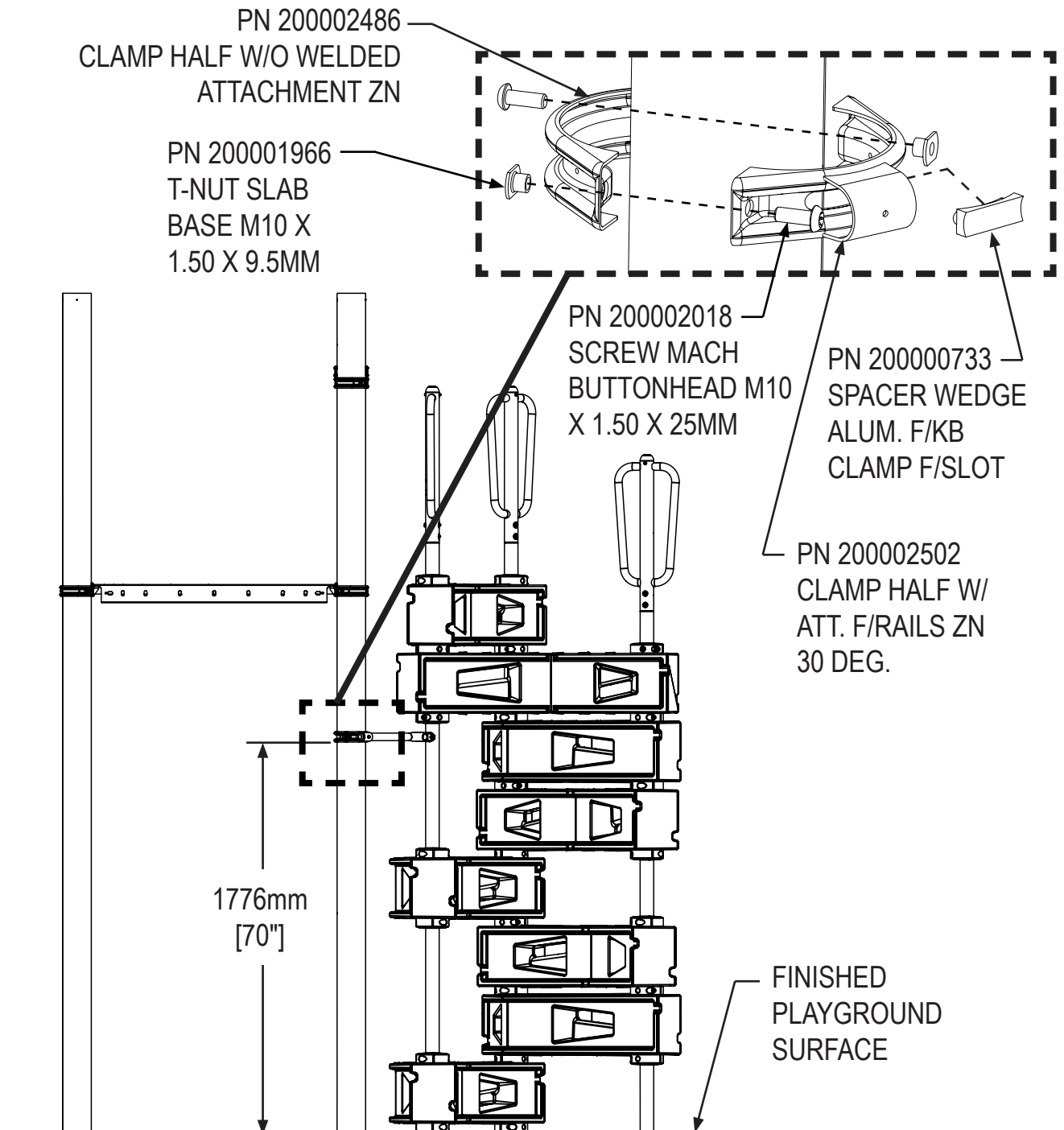
18a. Assemble the three handle weldments and post caps (see step 17) on handle footings. Surface mount footing shown, refer to customer specific model for correct type of footing.



KB Stax Summit Climber

STEP 19 ATTACH WEDGE CLAMP TO DECK POST

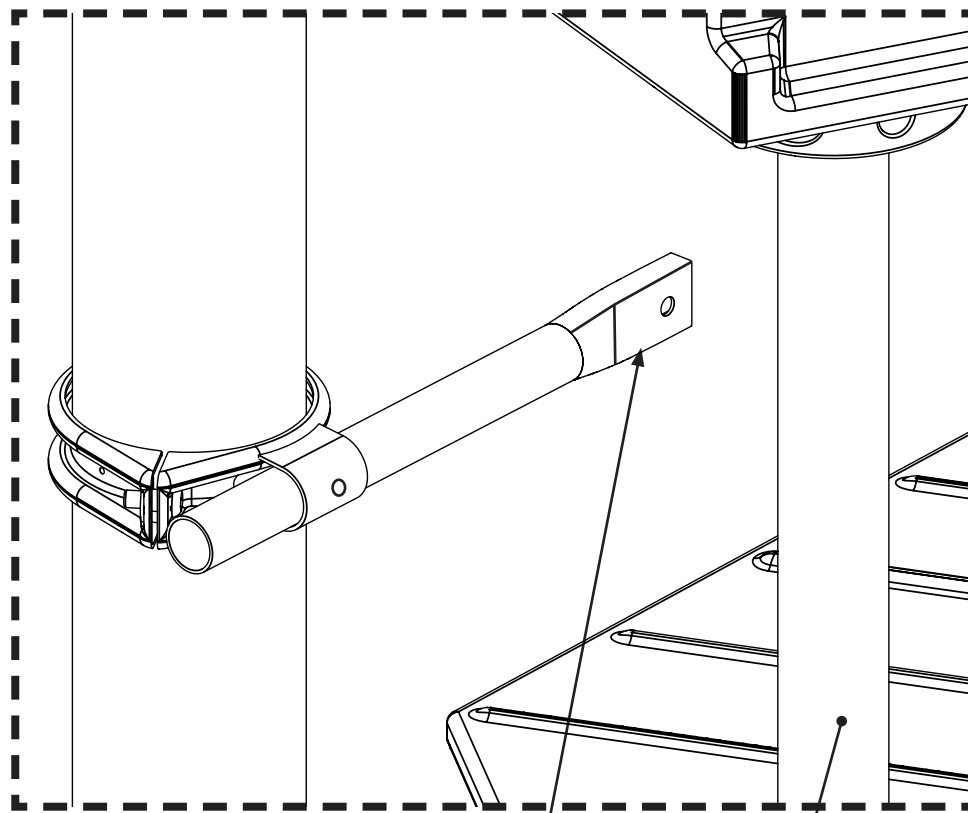
19a. Set the wedge clamp (PN 200002486 and PN 200002502) at **1776mm [70"]** from the finished playground surface to the bottom of the clamp on the closest deck post to the climber, without tightening completely the hardware, as shown below. Insert spacer (PN 200000733) in oval slot in PN 200002502 clamp half. Do not install clamp hammer drive pins yet.



KB Stax Summit Climber

STEP 20 INSERT STABILIZING TUBE INTO WEDGE CLAMP

20a. Insert stabilizing tube into the wedge clamp as shown below. Flattened end of tube with hole should be pointing toward the STAX post.



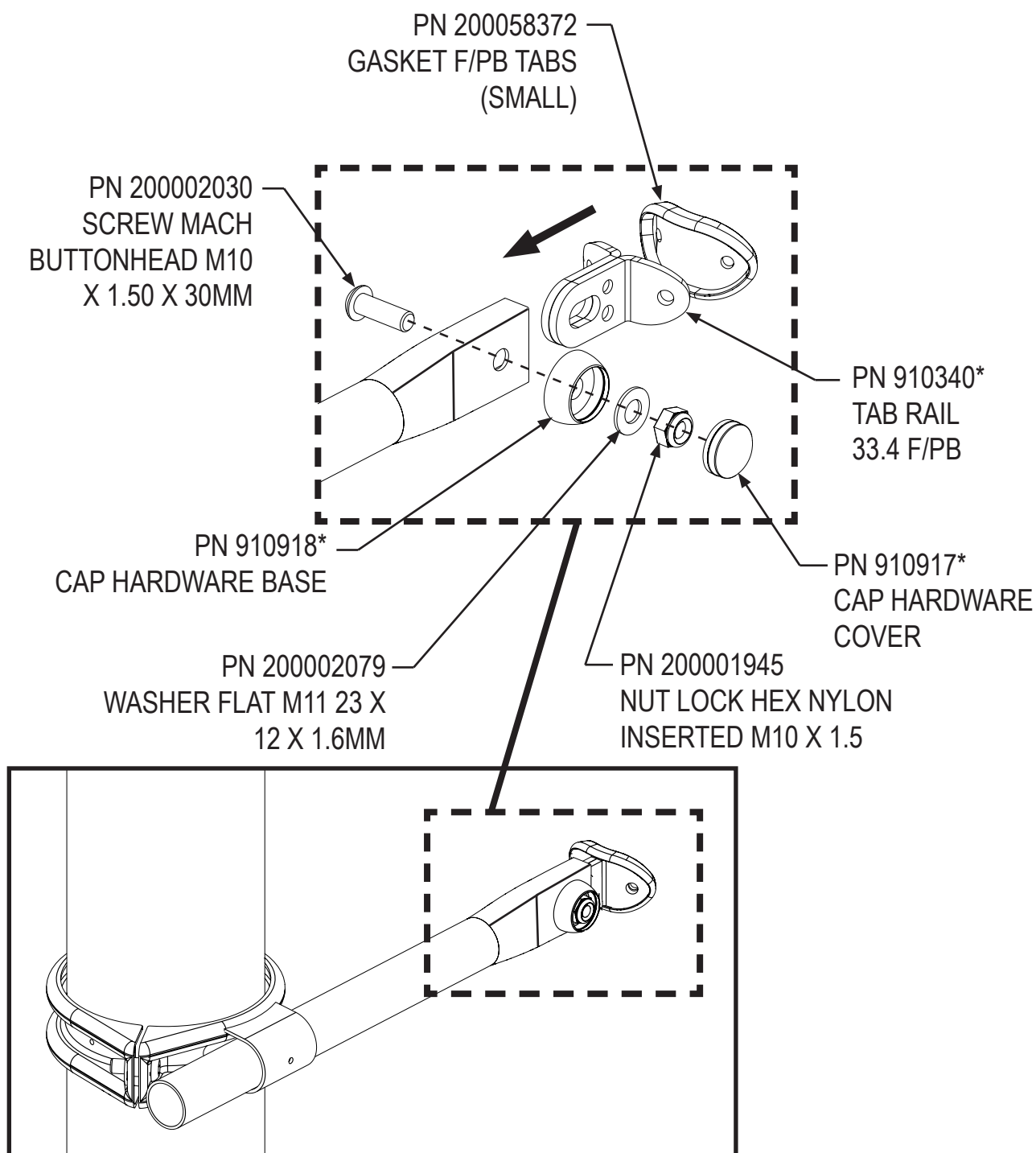
PN 931550*
STABILIZING TUBE

STAX POST

KB Stax Summit Climber

STEP 21 INSERT RAIL TAB ASSEMBLY INTO TUBE

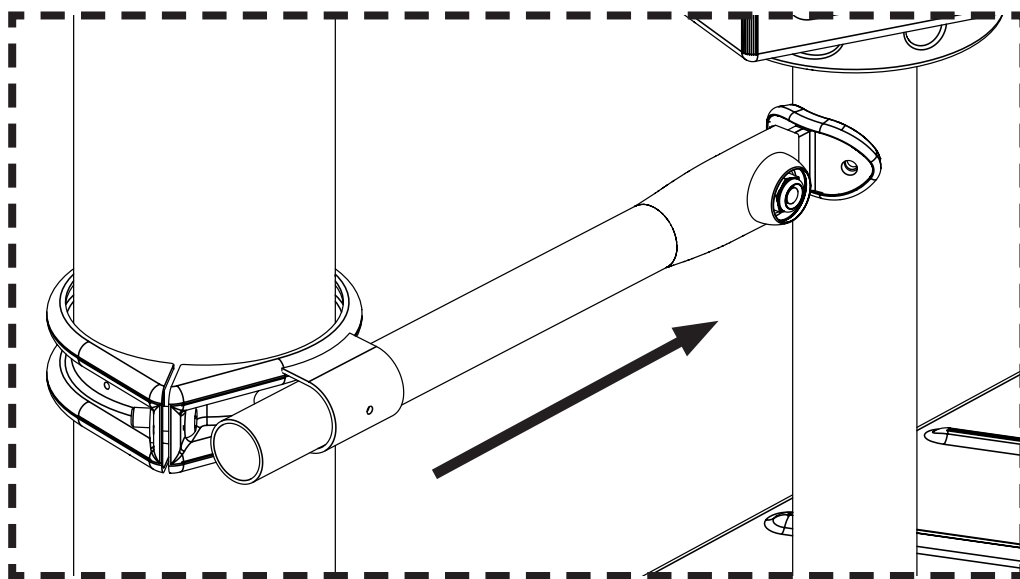
21a. Assemble rail tabs and insert them into the stabilizing tube. Add gasket, hardware, and plastic cap hardware base as shown below. Do not completely tighten hardware and do not install cap hardware cover yet.



KB Stax Summit Climber

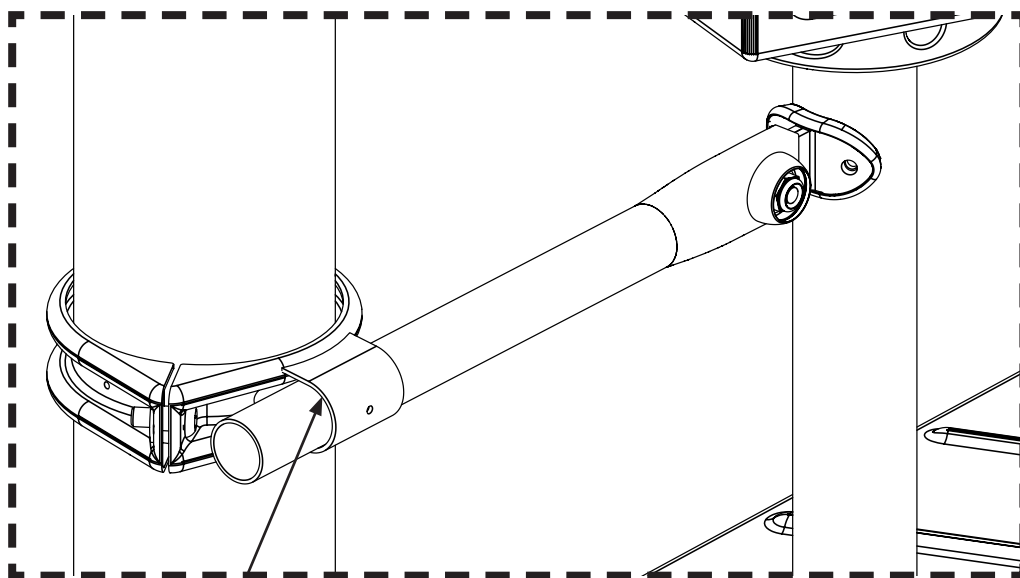
STEP 22 SLIDE TUBE ASSEMBLY ONTO STAX POST

22a. Slide tube with tabs and gasket until the gasket makes full contact with the climber's post.



STEP 23 CUT TUBE TO CORRECT LENGTH

23a. Mark the outside of the wedge clamp on the stabilizing tube and cut the tube on that mark.

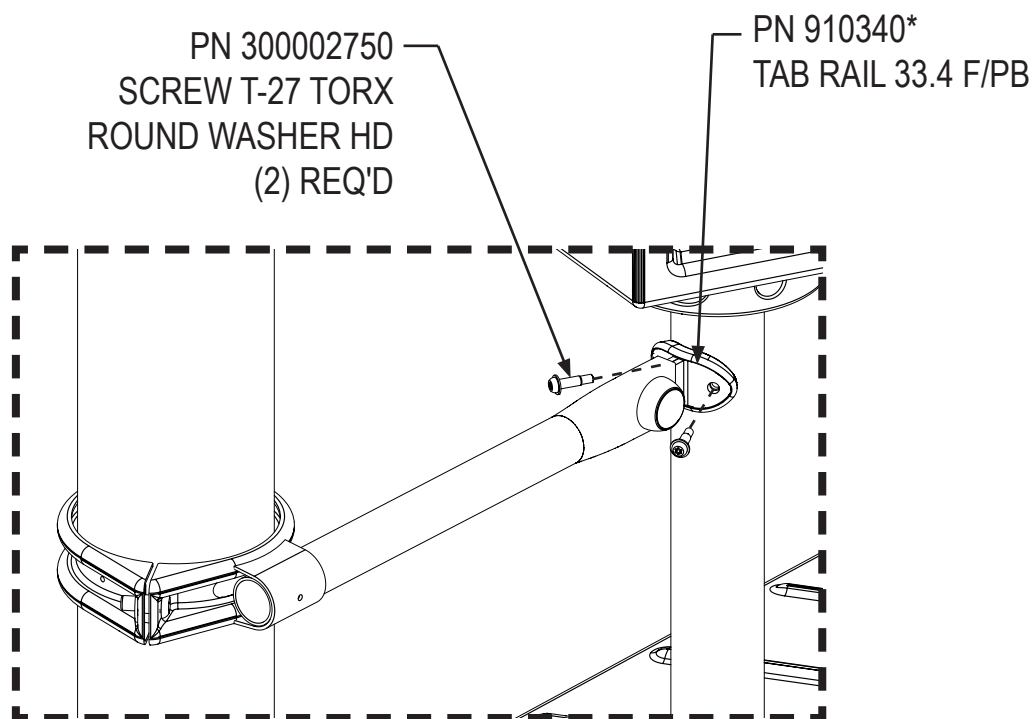


**MARK THIS EDGE OF
THE CLAMP ON TUBE**

KB Stax Summit Climber

STEP 24 INSTALL SELF TAPPING SCREWS ON RAIL TABS

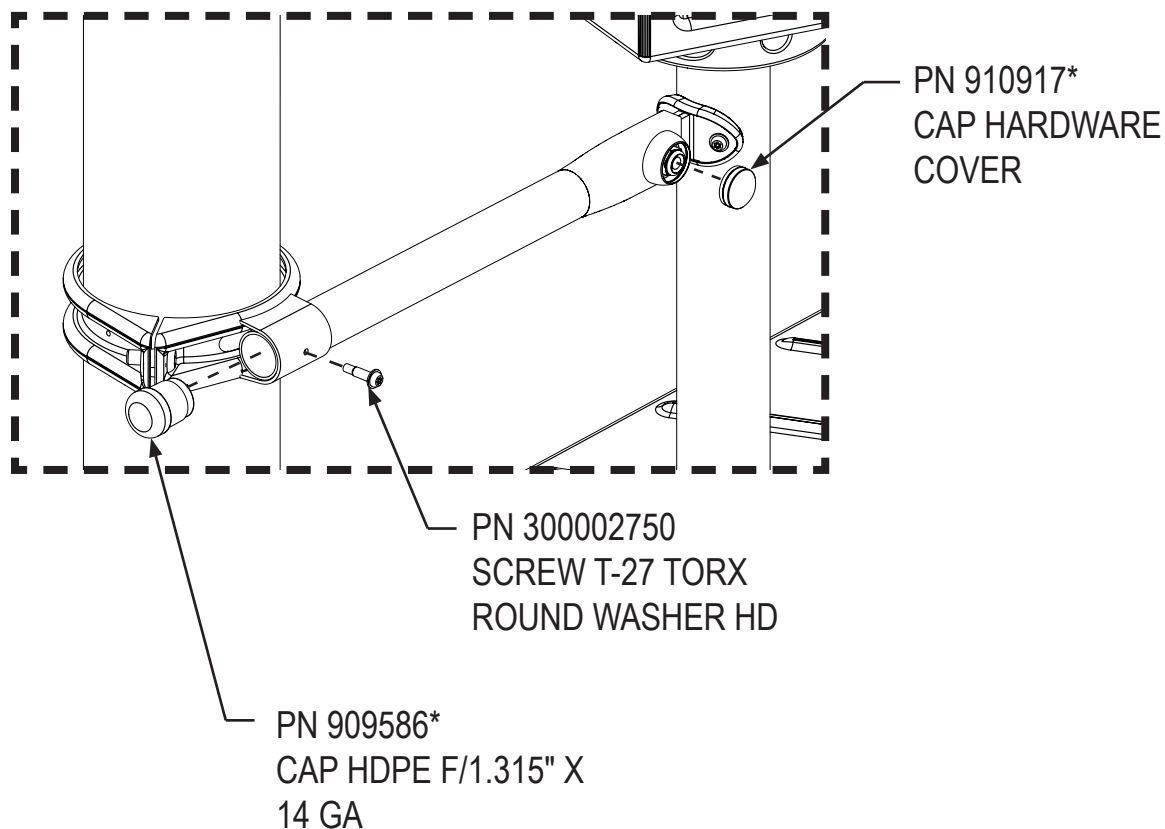
24a. Check that tube is level. Install self tapping screws on rail tabs as shown below.



KB Stax Summit Climber

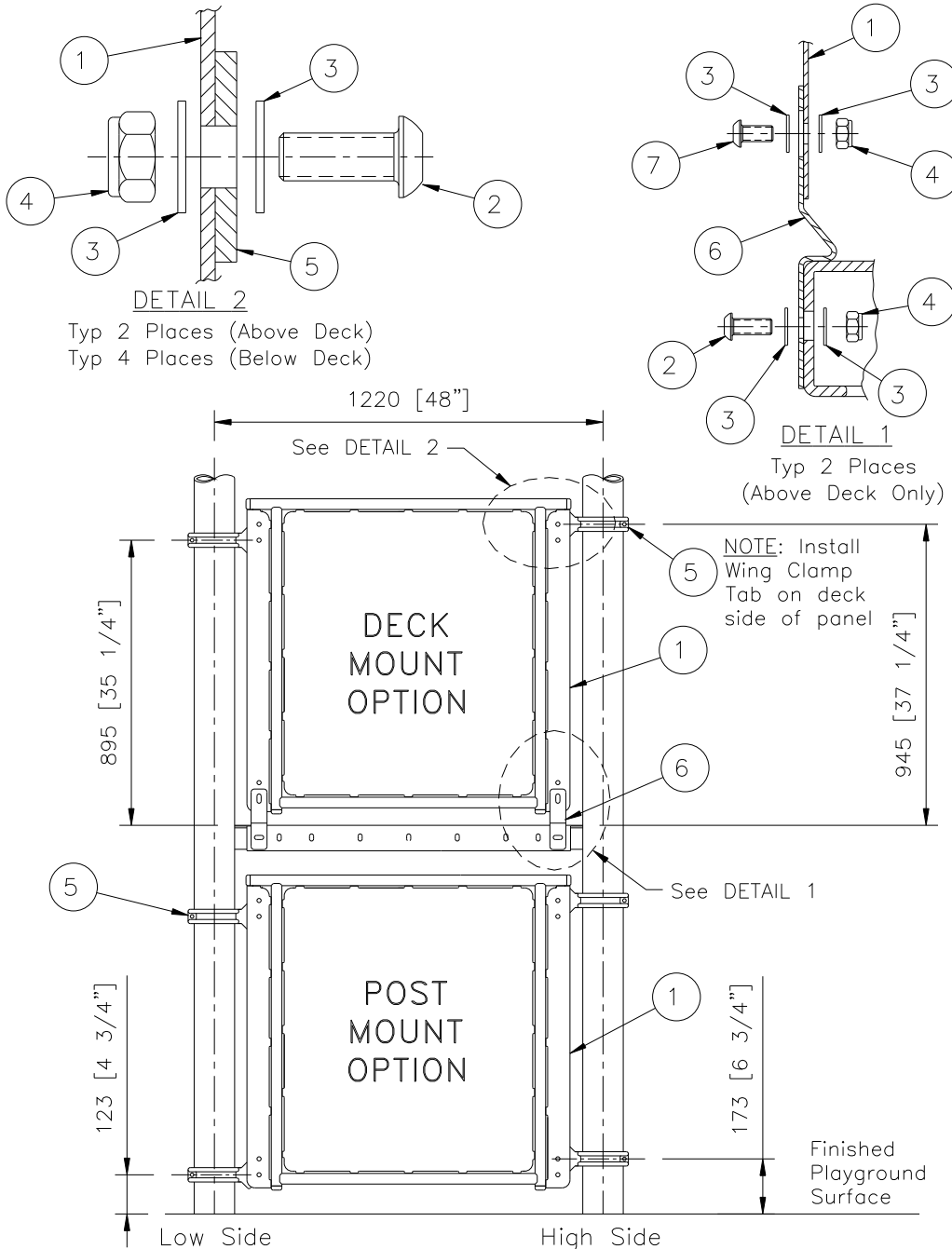
STEP 25 INSTALL PLASTIC CAPS AND SELF-DRILLING SCREW

25a. Install plastic cap at end of stabilizing tube. Install self-drilling screw on clamp. Tighten all hardware. Install cap hardware cover. Install clamp hammer drive pins.



FINAL STEP

Proceed with **Final Assembly** installation.



KB PANEL "CUSTOM" DKMT 200200144

Item	Code	Description	Qty.
1	-	PANEL, STEEL F/KB	1
5	-	KBP WING CLAMP	2
6	200117149	TAB F/PANEL MOUNTING F/KB BRN	2

DECK MOUNT HARDWARE BAG 200109839

Item	Code	Description	Qty.
2	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25	4
3	200002079	WASHER FLAT M11 23 X 12 X 1.6	12
4	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	6
7	200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20	2

KB PANEL "CUSTOM" PTMT 200200145

Item	Code	Description	Qty.
1	-	PANEL, STEEL F/KB	1
5	-	KBP WING CLAMP	4

POST MOUNT HARDWARE BAG 200109860

Item	Code	Description	Qty.
2	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25	4
3	200002079	WASHER FLAT M11 23 X 12 X 1.6	8
4	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	4

Application

—For ages 2–12 years.

—Below deck installation requires a minimum deck height of 1220mm [48"].

—Avoid entrapment gaps between 89mm [3–1/2"] and 229mm [9"] when installing below deck.

—It is permissible to deviate from the standard hi/lo clamp configuration to avoid clamp conflict.

Installation Instructions

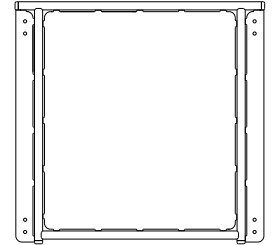
1. Loosely attach panel clamps to posts. Note high side/low side clamps. Refer to the front of the manual for clamp detail.

2. Attach tab to deck (above deck installation) on the outer holes of the deck edge as shown in DETAIL 1. Note slot orientation.

3. Attach the panel to the clamps and tabs as shown in DETAILS 1 & 2. Refer to Aluminum Rail Mount Steering Wheel Installation Instruction I900056 if installing a Vehicle Panel (NOTE: Install Aluminum Steering Wheel on side opposite to Logo Plate).

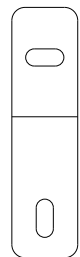
4. Make sure panel is level and tighten all hardware.

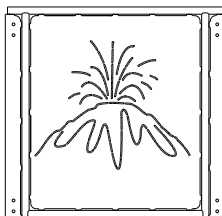
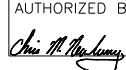
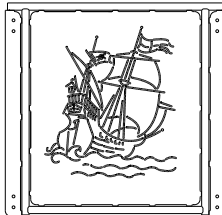
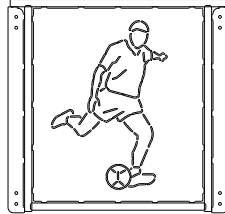
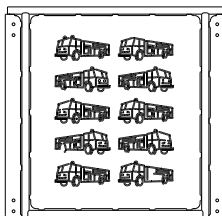
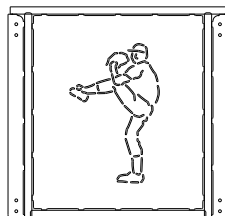
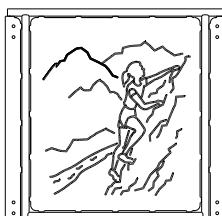
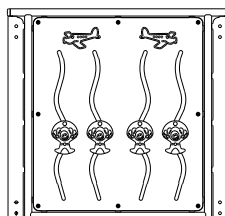
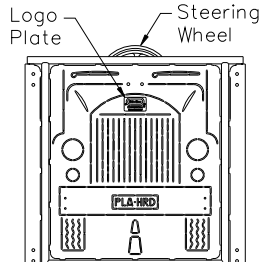
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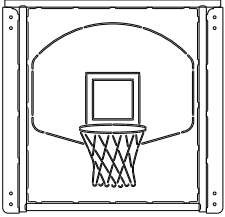
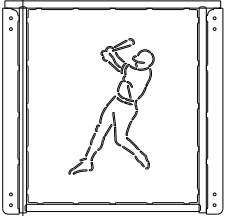
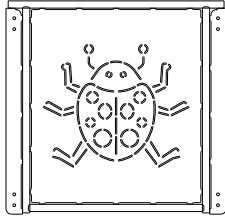
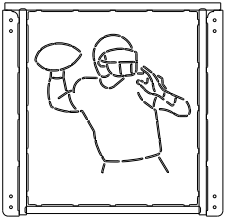
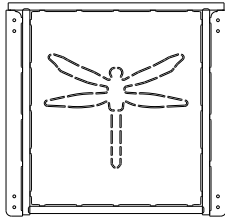
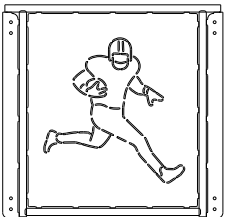
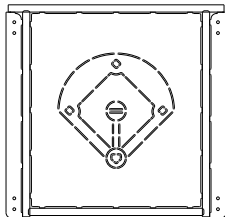
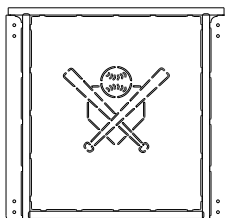


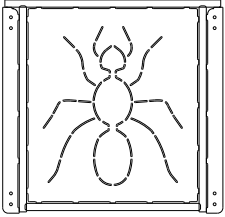
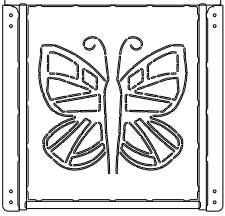
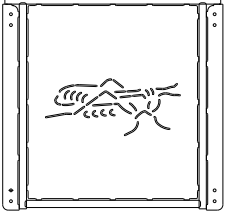
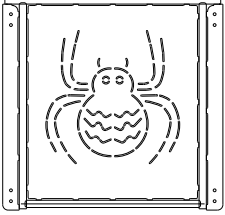
Refer to Sheet 2
for Additional
Panel Options

6



	KMAT #	Description	AUTHORIZED BY:  02JUN0		
	200200004	PANEL "VOLCANO" F/KB DKMT			
	200200013	PANEL "VOLCANO" F/KB PTMT			
	KMAT #	Description		KMAT #	Description
	200200003	PANEL "SHIP" F/KB DKMT		200201238	PANEL "SOCCAR GOAL" F/KB DKMT
	200200012	PANEL "SHIP" F/KB PTMT		200201239	KB PANEL "SOCCAR GOAL" PTMT
	KMAT #	Description		KMAT #	Description
	200200001	PANEL "FIRE TRUCK" F/KB DKMT		200201230	PANEL "PITCHER" F/KB DKMT
	200200010	PANEL "FIRE TRUCK" F/KB PTMT		200201231	KB PANEL "PITCHER" PTMT
	KMAT #	Description		KMAT #	Description
	200200000	PANEL "MOUNTAIN CLIMBER" F/KB DKMT		200200237	PANEL "PARACHUTE GUY" F/KB DKMT
	200200009	PANEL "MOUNTAIN CLIMBER" F/KB PTMT		200200238	PANEL "PARACHUTE GUY" F/KB PTMT
	KMAT #	Description		KMAT #	Description
	200200005	PANEL "PIRATE" F/KB DKMT		200200250	DRIVING PANEL KB DKMT
	200200014	PANEL "PIRATE" F/KB PTMT		200200251	DRIVING PANEL KB PTMT
	NOTE: Install Aluminum Steering Wheel on side opposite to Logo Plate				

	KMAT #	Description			
	200201222	PANEL "BACKBOARD" F/KB DKMT			
	200201223	KB PANEL "BACKBOARD" PTMT			
	KMAT #	Description		KMAT #	Description
	200201228	PANEL "BATTER" F/KB DKMT		200201212	PANEL "LADYBUG" F/KB DKMT
	200201229	KB PANEL "BATTER" PTMT		200201213	PANEL "LADYBUG" F/KB PTMT
	KMAT #	Description		KMAT #	Description
	200201234	PANEL "QUARTER BACK" F/KB DKMT		200201214	PANEL "DRAGONFLY" F/KB DKMT
	200201235	KB PANEL "QUARTER BACK" PTMT		200201215	PANEL "DRAGONFLY" F/KB PTMT
	KMAT #	Description		KMAT #	Description
	200201236	PANEL "RUNNING BACK" F/KB DKMT		200201226	PANEL "BALL DIAMOND" F/KB DKMT
	200201237	KB PANEL "RUNNING BACK" PTMT		200201227	KB PANEL "BALL DIAMOND" PTMT
	KMAT #	Description		KMAT #	Description
	200201224	PANEL "REFEREE" F/KB DKMT		200201232	PANEL "BAT & BALL" F/KB DKMT
	200201225	KB PANEL "REFEREE" PTMT		200201233	KB PANEL "BAT & BALL" PTMT

	KMAT #	Description
	200201216	PANEL "ANT" F/KB DKMT
	200201217	PANEL "ANT" F/KB PTMT
	KMAT #	Description
	200201276	PANEL "BUTTERFLY" F/KB DKMT
	200201277	PANEL "BUTTERFLY" F/KB PTMT
	KMAT #	Description
	200201220	PANEL "GRASSHOPPER" F/KB DKMT
	200201221	PANEL "GRASSHOPPER" F/KB PTMT
	KMAT #	Description
	200201218	PANEL "SPIDER" F/KB DKMT
	200201219	PANEL "SPIDER" F/KB PTMT

KB TELESCOPE PANEL (DKMT)

200200663

Item	Code	Description	Qty.
1	-	PANEL KB TELESCOPE	1
2	-	ASSY TELESCOPE	1
5	-	KB WING CLAMP ASSEMBLY	2
9	-	TAB F/PANEL MOUNTING F/KB	2

HDWR BAG F/KB TELESCOPE PNL (DKMT)

200156059

Item	Code	Description	Qty.
3	200001954	BARREL NUT M10 X 1.50 (12.70 DIA X 32MM)	4
4	200099546	ROD THREADED M10 X 58MM ZN	2
6	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
7	200002079	WASHER FLAT M11 23 X 12 X 1.6	10
8	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	6
10	200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20	4

KB TELESCOPE PANEL (PTMT)

200200664

Item	Code	Description	Qty.
1	-	PANEL KB TELESCOPE	1
2	-	ASSY TELESCOPE	1
5	-	KB WING CLAMP ASSEMBLY	4

HDWR BAG F/KB TELESCOPE PNL (PTMT)

200156060

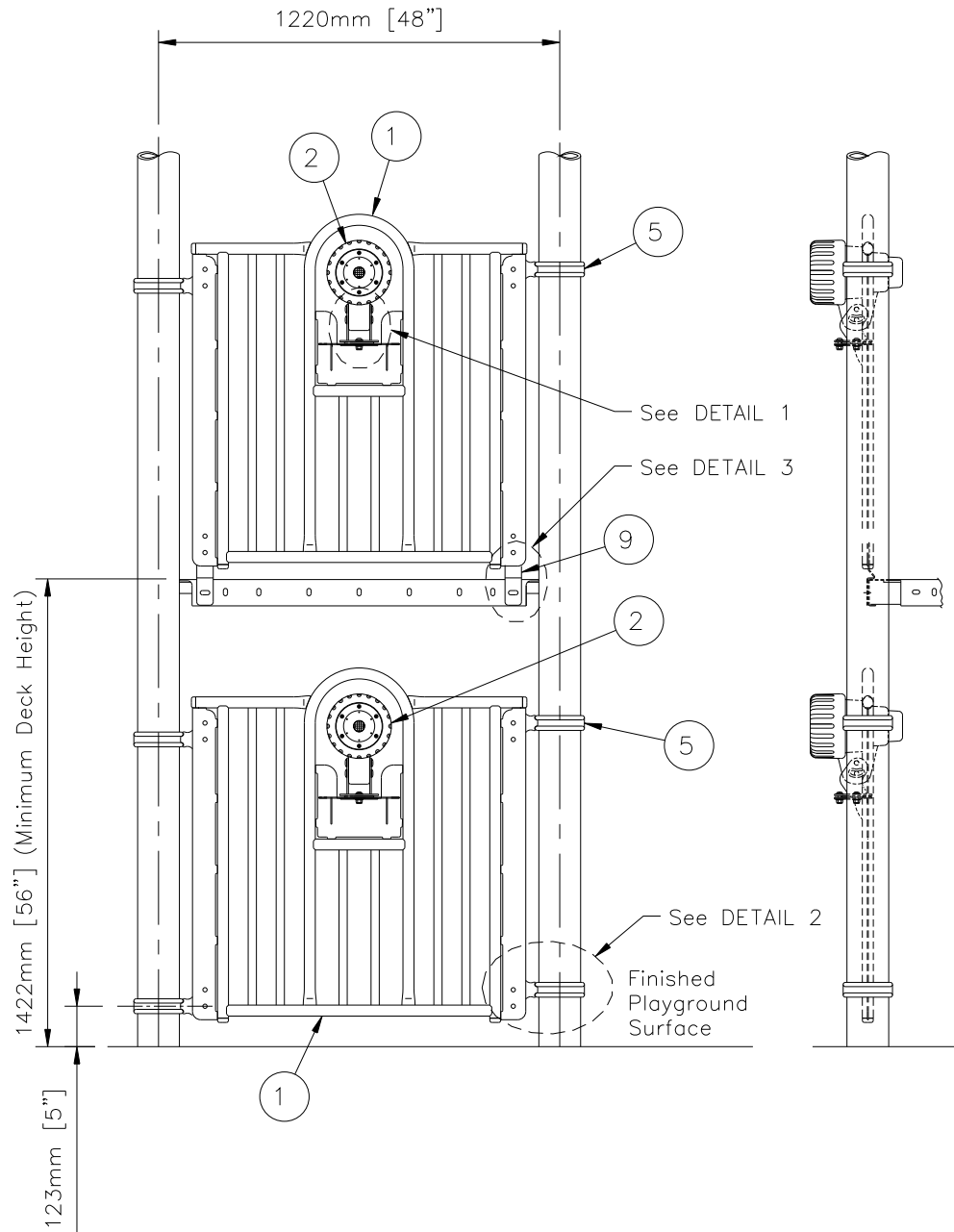
Item	Code	Description	Qty.
3	200001954	BARREL NUT M10 X 1.50 (12.70 DIA X 32MM)	4
4	200099546	ROD THREADED M10 X 58MM ZN	2
7	200002079	WASHER FLAT M11 23 X 12 X 1.6	4
8	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	4
10	200002014	SCREW MACH BUTTONHEAD M10 X 1.50 X 20	4

Application

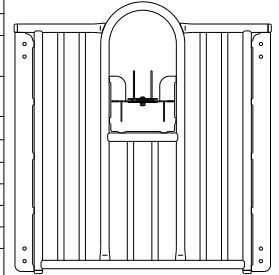
- Below deck installation requires a minimum deck height of 1422mm [56"].
- Avoid entrapment gaps between 89mm [3-1/2"] and 229mm [9"] when installing below deck.
- It is permissible to deviate from the standard hi/lo clamp configuration to avoid clamp conflict.

Installation Instructions

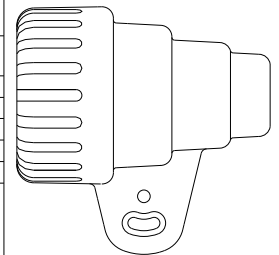
1. Loosely attach panel clamps to posts. Note high side/lo side clamps. Refer to the front of the manual for clamp detail.
2. Attach tab to deck (above deck installation) on the outer holes of the deck edge as shown in DETAIL 3. Note slot orientation.
3. Attach the panel to the clamps and tabs as shown in DETAILS 2 and 3.
4. Install Telescope (item 2) to panel as shown in DETAIL 1.
5. Make sure panel is level and tighten all hardware.

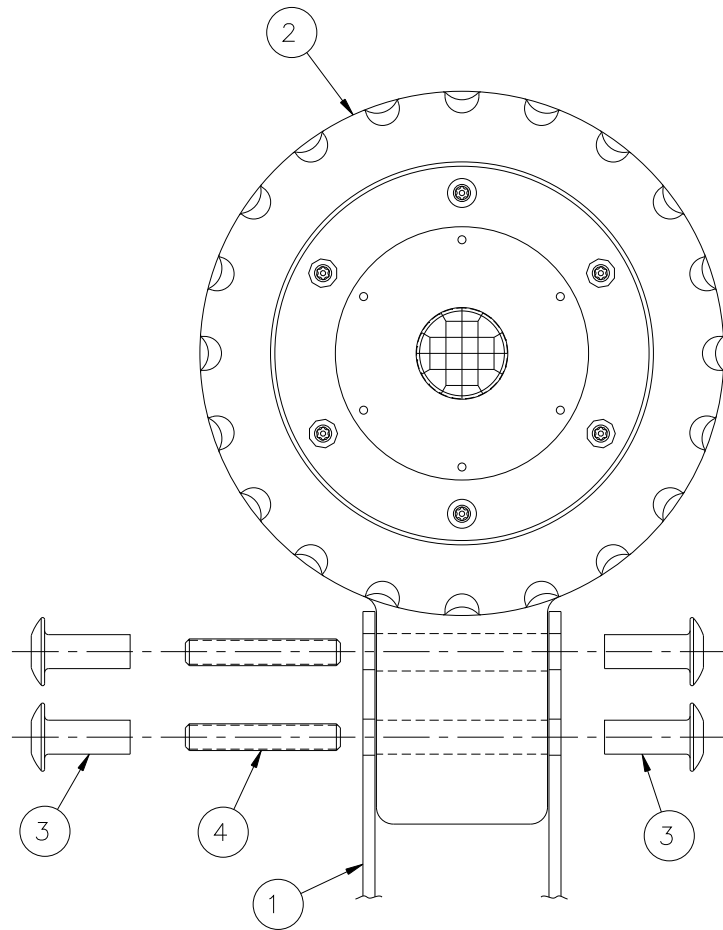


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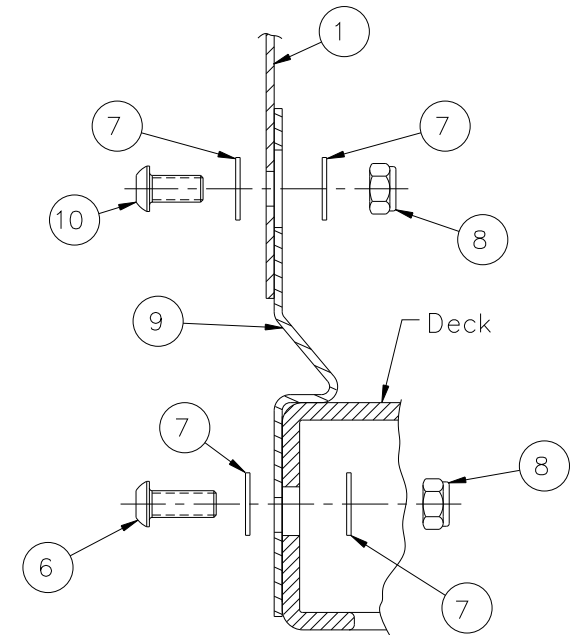
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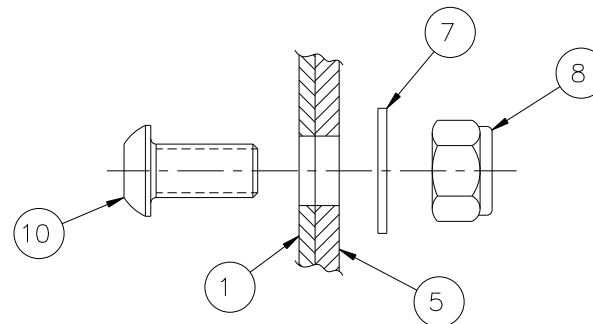
DETAIL 1

(Do Not overtighten bolts
and bind up plastic)



DETAIL 3

Typ 2 Places
(Above Deck Only)



DETAIL 2

Typ 2 Places (Above Deck)
Typ 4 Places (Below Deck)

INST F/KB LEMONADE STAND

KB600046B

SHEET 1 OF 2

AUTHORIZED BY: 28JUL22

Tracy Archer

INSTALLATION OPTIONS:

- 1) freestanding (no deck above panel)
- 2) panel is below 1625mm [64"] deck
- 3) panel is below 1830mm [72"] deck or higher

KB ALEX'S LEMONADE STAND PANEL 200203435

Item	Code	Description	Qty.
1	903851*	PANEL ASSY KB LEMON STAND	1
2	929803*	PC F/KB ALEX'S LEMONADE STAND	1

PC F/KB ALEX'S LEMONADE STAND 929803*

3	910340*	TAB RAIL 33.4 F/PB	8
4	200058372	GASKET F/PB TABS (SMALL)	4
5	910918*	CAP HARDWARE BASE	4
6	910917*	CAP HARDWARE COVER	4
7	300002750	SCREW T-27 TORX ROUND WASHER HD	8
8	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	4
9	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	4
10	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	4
11	200066126	DRIVER BIT T-27 TAMPER-RESISTANT F/PB	1

Note: An (*) by a part number (Code) indicates: Color Code Required.

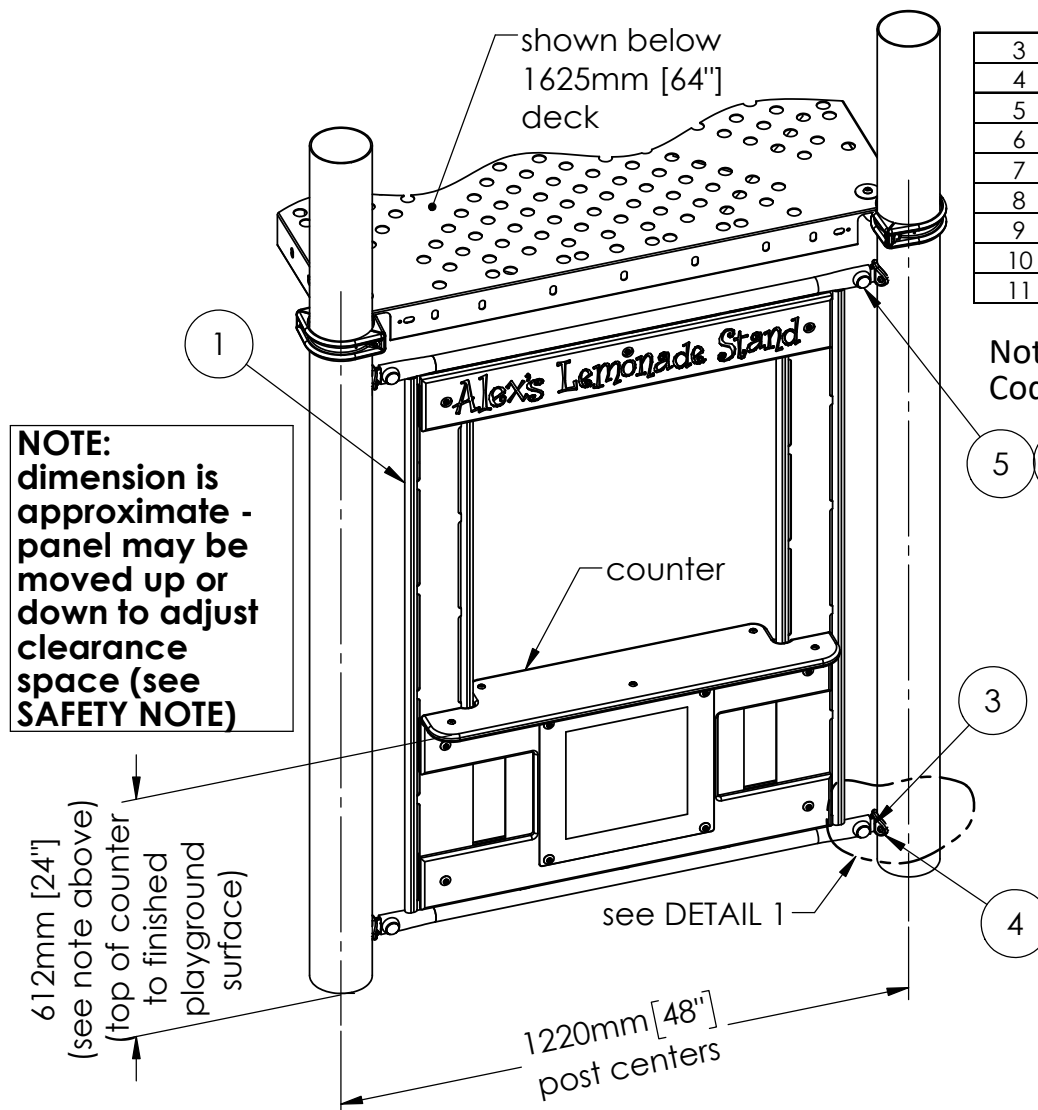
Installation Instructions

1. Insert rail tabs (item 3) into all four ends of lemonade panel as shown in DETAIL 1.
2. Place lemonade panel between posts and block up to correct height as shown in main view. Check that panel is level and equally spaced between posts. Attach rail tabs to posts with self-drilling screws (item 7) as shown in DETAIL 1, using the driver bit (item 11).

NOTE: do not exceed 105 inch-pounds of torque when installing screws to post.

3. Tighten all hardware and install plastic hardware cap covers.

SAFETY NOTE: When installed below a deck, adjust panel so that vertical clearance space between Panel Assembly and lowest point of Deck is either (A) between 1" and 3", or (B) a minimum of 10"



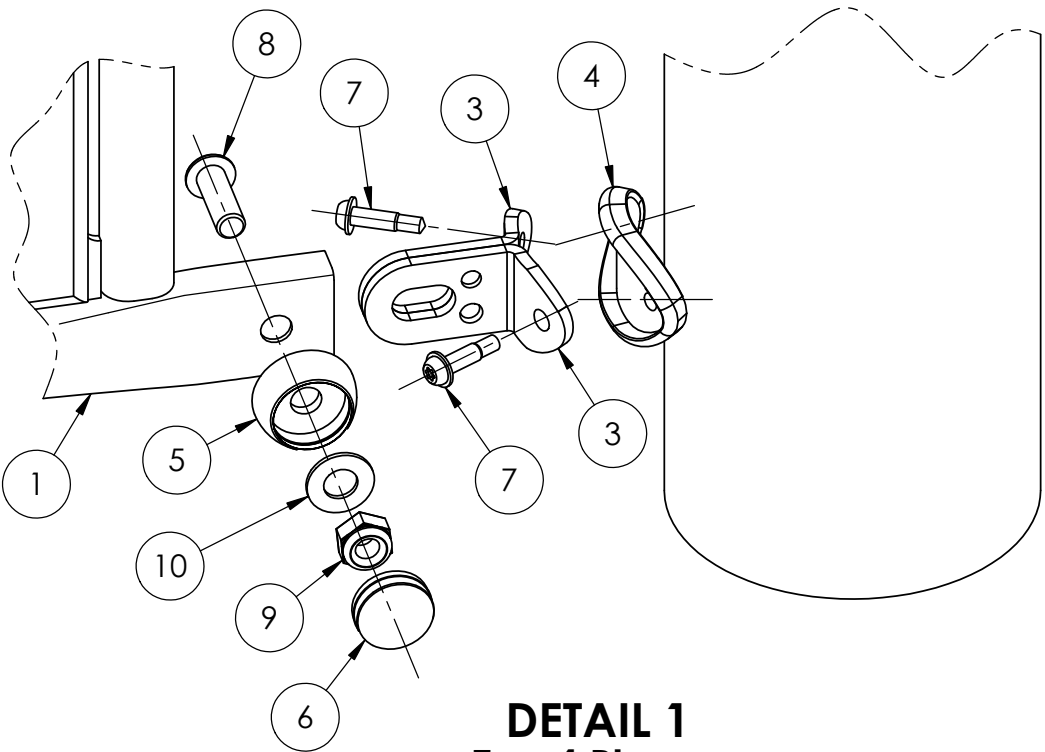
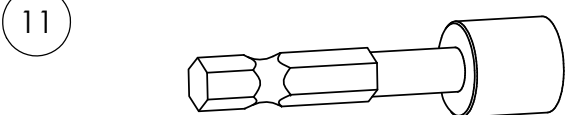
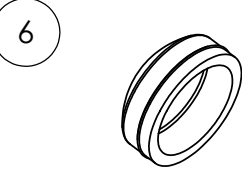
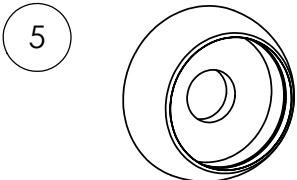
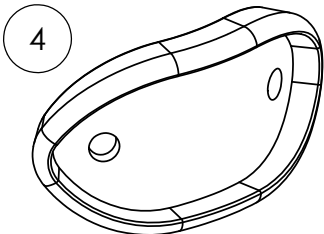
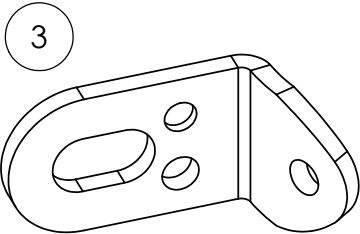
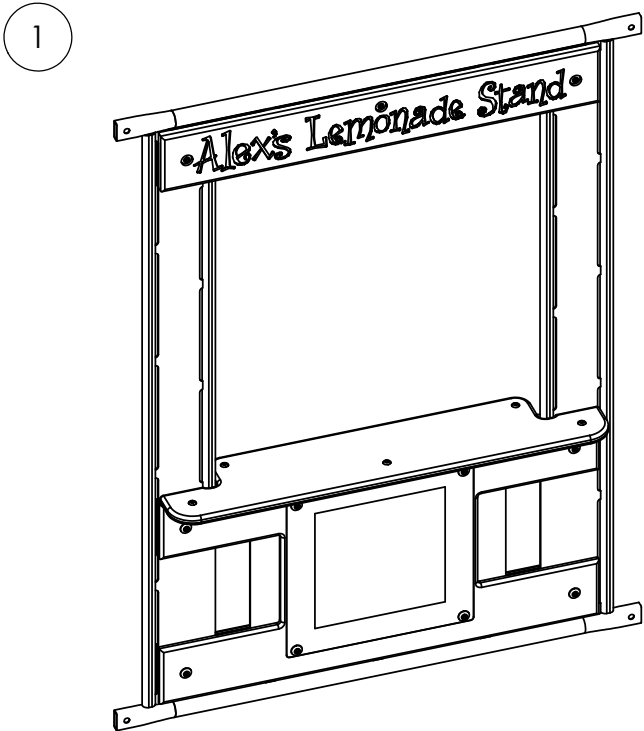
FREESTANDING OR BELOW DECK INSTALLATION ONLY

INST F/KB LEMONADE STAND

KB600046B

SHEET 2 OF 2

AUTHORIZED BY: 28JUL22
Tracy Archer



DETAIL 1
Typ 4 Places

TABLE 1

Deck Height	# of Pods	Deck Height	# of Pods
610mm [24"]	2	1625mm [64"]	5
813mm [32"]	3	1830mm [72"]	6
1016mm [40"]	3	2032mm [80"]	7
1220mm [48"]	4	2235mm [88"]	7
1422mm [56"]	5	2440mm [96"]	8

RECYCLED TREEHOUSE POD CLIMBER 24" F/KB 200202463
RECYCLED TREEHOUSE POD CLIMBER 32" F/KB 200202464
RECYCLED TREEHOUSE POD CLIMBER 40" F/KB 200202465
RECYCLED TREEHOUSE POD CLIMBER 48" F/KB 200202466
RECYCLED TREEHOUSE POD CLIMBER 56" F/KB 200202467
RECYCLED TREEHOUSE POD CLIMBER 64" F/KB 200202468
RECYCLED TREEHOUSE POD CLIMBER 72" F/KB 200202469
RECYCLED TREEHOUSE POD CLIMBER 80" F/KB 200202470
RECYCLED TREEHOUSE POD CLIMBER 88" F/KB 200202471
RECYCLED TREEHOUSE POD CLIMBER 96" F/KB 200202472

Item	Code	Description	Qty.
1	-	PANEL TREE VERT CLIMB "ENTER HERE"	1
2	-	KB WING CLAMP ASSEMBLY	2
3	200191761	RUBBER COATED STEPPING POD BLACK	*
4	-	POD CLIMBER	1

* SEE TABLE 1

HDWR BAG TREEHOUSE POD CLIMB 2 PODS 200190206
HDWR BAG TREEHOUSE POD CLIMB 3 PODS 200190207
HDWR BAG TREEHOUSE POD CLIMB 4 PODS 200190211
HDWR BAG TREEHOUSE POD CLIMB 5 PODS 200190212
HDWR BAG TREEHOUSE POD CLIMB 6 PODS 200190213
HDWR BAG TREEHOUSE POD CLIMB 7 PODS 200190214
HDWR BAG TREEHOUSE POD CLIMB 8 PODS 200190215

Item	Code	Description	Qty.
5	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	6
6	200002138	BOLT M8 X 1.25 MALE 42.5 MM	*
7	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	*
8	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	6
9	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	2
10	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	*

Installation Instructions

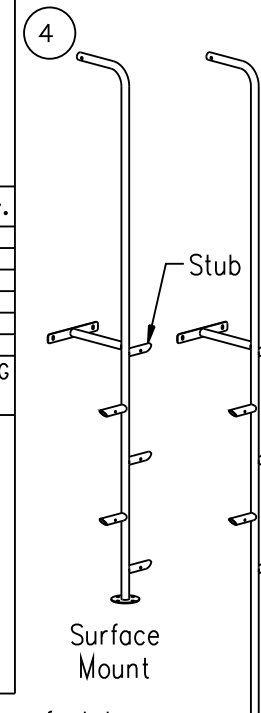
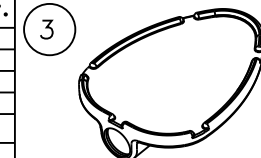
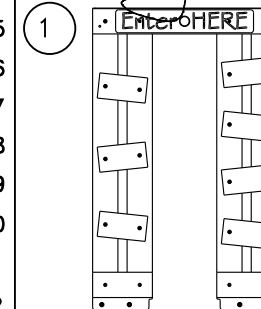
* QUANTITIES VARY ACCORDING TO NUMBER OF PODS

1. Prepare footing.
2. Loosely attach the clamps to the posts (refer to front of manual for clamp installation details).
3. Lift enclosure into place and loosely attach to deck edge (refer to DETAIL 1).
4. Loosely attach enclosure to clamps (refer to DETAIL 2).
5. Lift climber into place and attach to enclosure (refer to DETAIL 3) and to the deck edge (refer to DETAIL 4).
6. Attach rubber steps to the climber (refer to DETAIL 5).
7. Check for level/plumb, tighten all hardware and install clamp hammer drive pins.

AUTHORIZED BY:

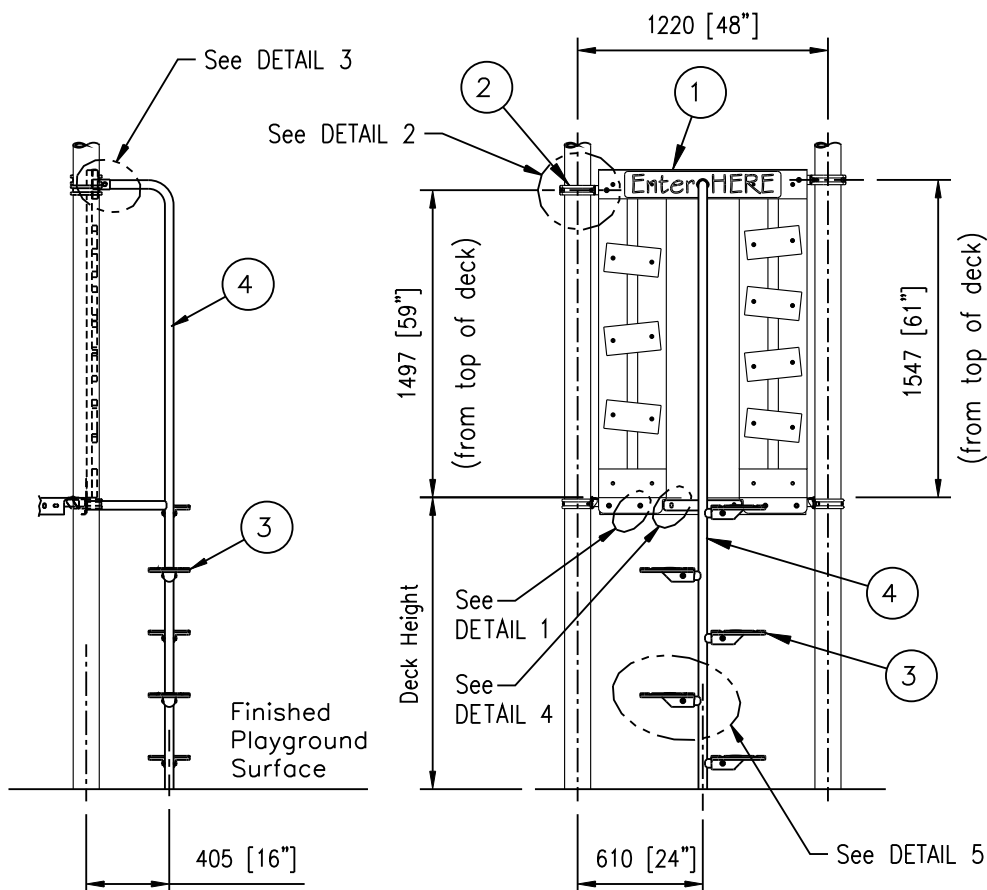
Chris M. Newberry

18AUG11

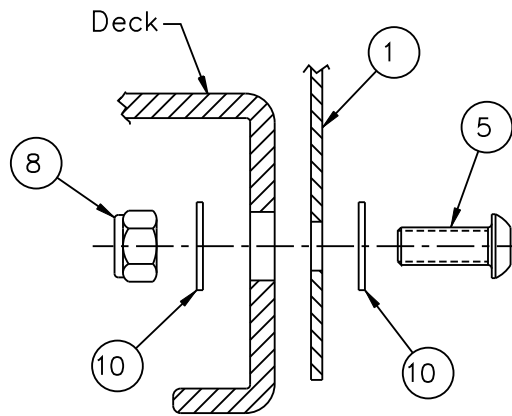


Number of stubs is determined by deck height

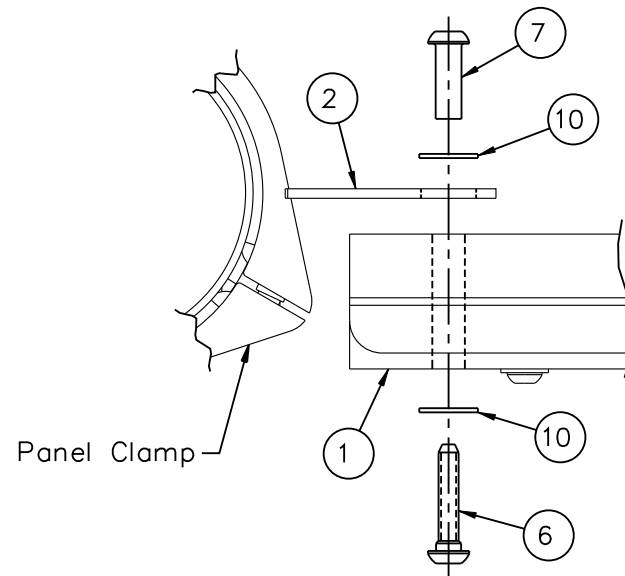
Inground Mount



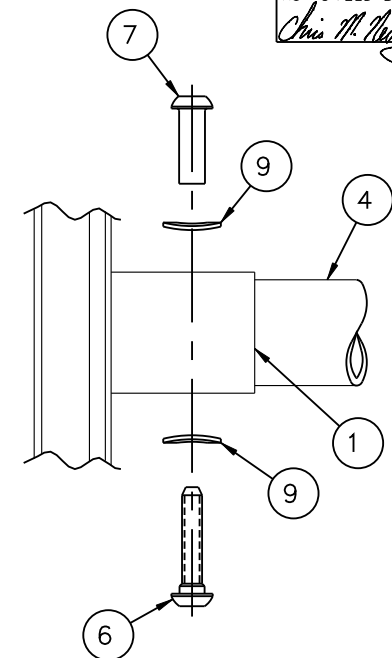
NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS



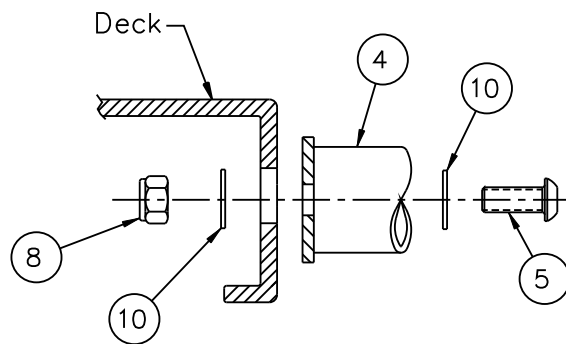
DETAIL 1
Typ 4 Places



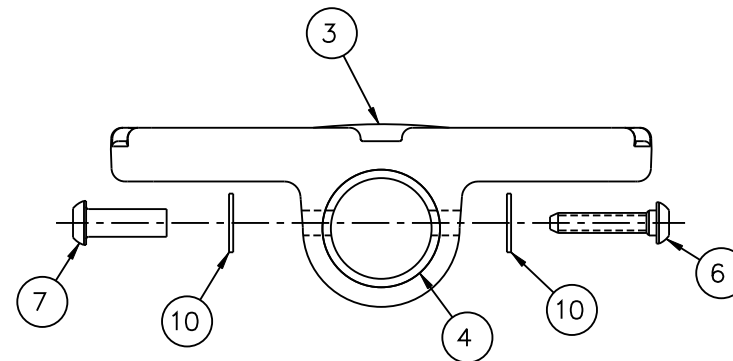
DETAIL 2
Typ 2 Places



DETAIL 3



DETAIL 4
Typ 2 Places



DETAIL 5

INSTALL INSTRUCTION F/KB BOINGO

KB600068B

SHEET 1 OF 4

AUTHORIZED BY: 07FEB22

TRACY ARCHER

KB BOINGO 200203205

ITEM	PART NO.	DESCRIPTION	QTY
1	925996*	SUPPORT LEFT BEATBUBBLE F/5" POST	1
2	925995*	SUPPORT RIGHT BEATBUBBLE F/5" POST	1
3	998915	BOINGO FRAME	1
4	993773*	DRUM, ROTOMOLDED - 13" DIA	1
5	993573	X-LARGE GASKET	2
6	200112520	ROD THREADED M8 X 1.25 X 135MM-PARTS RM	2
7	HW999370-1	HRDW PKG KB BOINGO M1/1	1

HDWR PKG KB BOINGO M1/1-HW999370-1

ITEM	PART NO.	DESCRIPTION	QTY
8	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30MM	8
9	200002138	BOLT M8 X 1.25 MALE 42.5MM	4
10	104749	BOLT 1/4-20 X 1 1/4 BHCS 6 LOBE 18-8 SS	4
11	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57MM	8
12	117001	WASHER 1/4 FLAT 18-8 SS MS15795-811	4
13	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	4

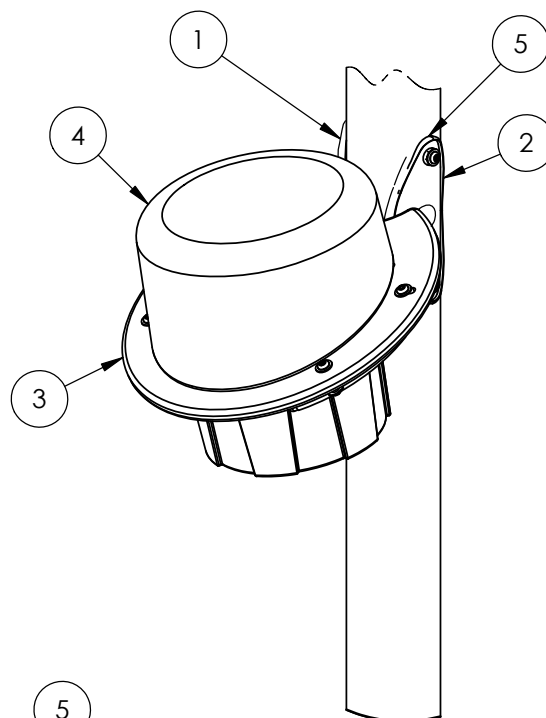
Note: An (*) by a part number (CODE) indicates: Color Code Required.

Application:

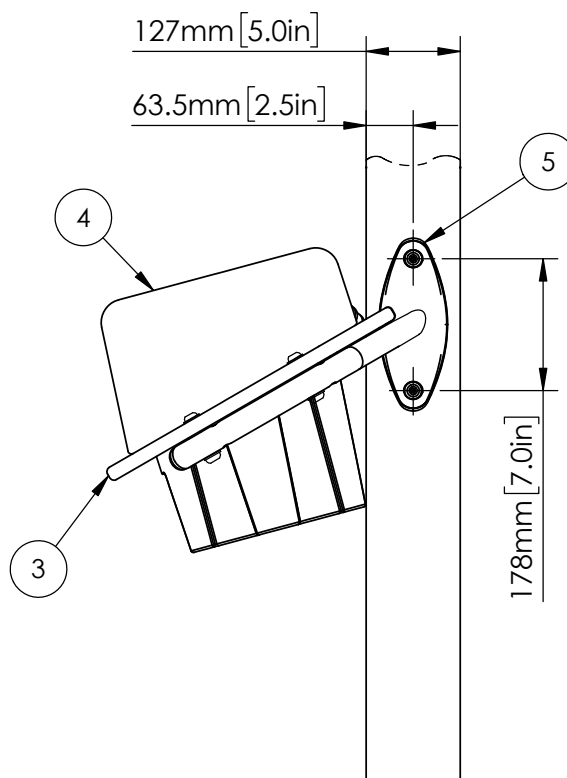
- Installed below deck only.

Installation Instructions:

1. Drill two (2) holes through the existing KB post. Distance between upper and lower hole is 178mm [7"] as shown in Side View, Sheet 1. Make sure drill is level. Drill two (2) 13mm [1/2"] diameter holes through the KB post.
2. Attach left and right supports (Items 1, 2) along with gaskets (Items 5) as shown in DETAIL 1, Sheet 3.
3. Assemble drum (Item 4) to frame (Item 3) as shown in DETAIL 2, Sheet 3. Longer side of the drum top should be opposite to cutout in frame.
4. Bolt this assembly onto the left and right supports in four (4) locations as shown in DETAIL 3, Sheet 4.
5. Tighten all hardware.



3D VIEW



SIDE VIEW

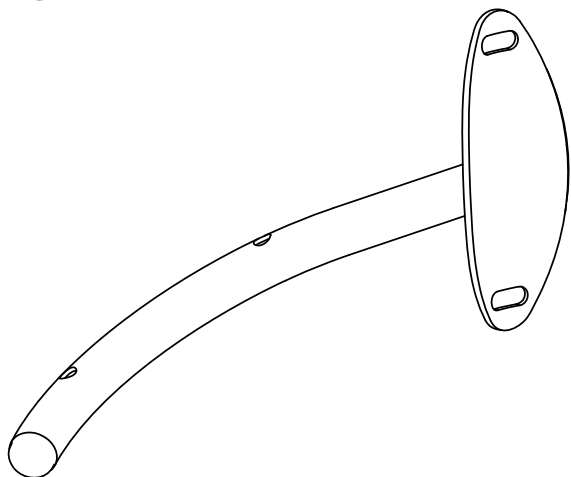
INSTALL INSTRUCTION F/KB BOINGO

KB600068B

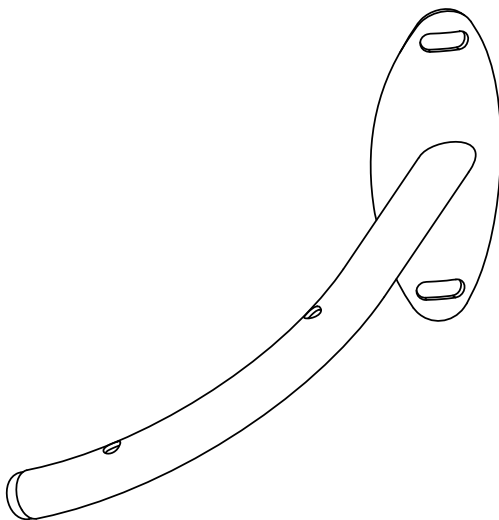
SHEET 2 OF 4

AUTHORIZED BY: 07FEB22
TRACY ARCHER

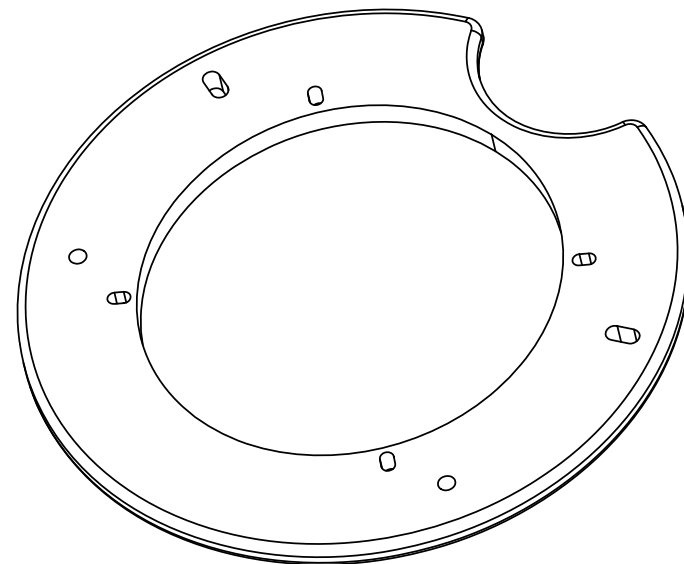
1



2

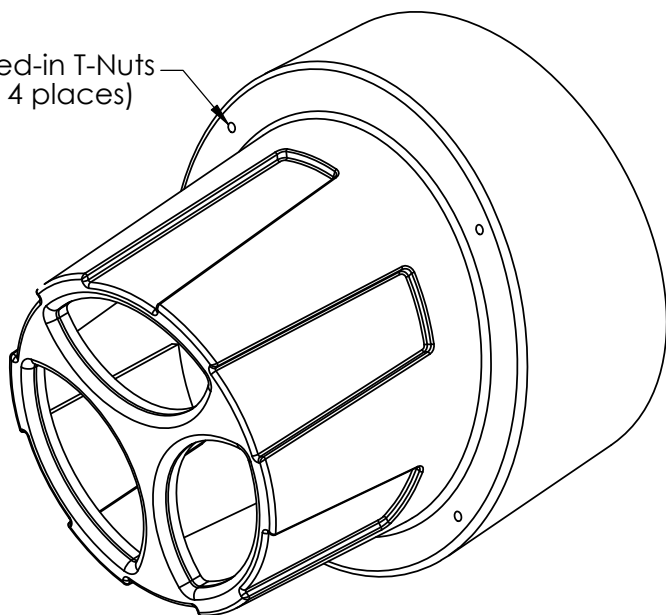


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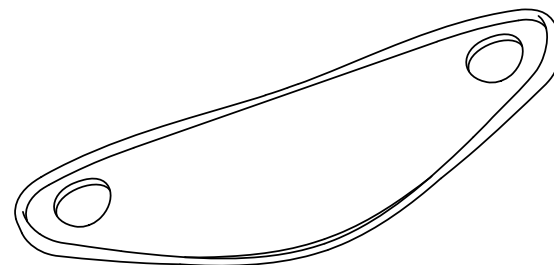


4

Molded-in T-Nuts
(typ 4 places)



5

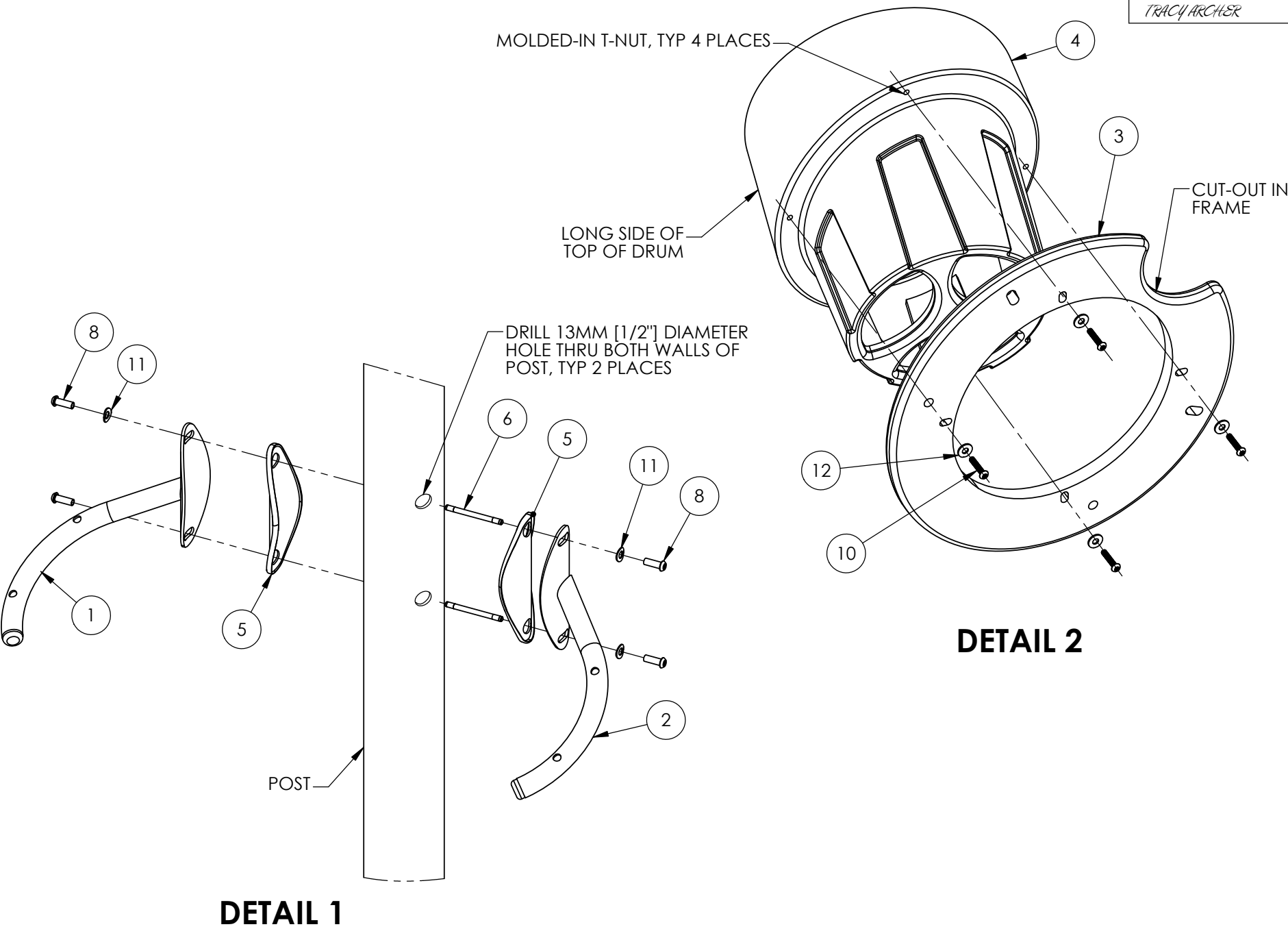


INSTALL INSTRUCTION F/KB BOINGO

KB600068B

SHEET 3 OF 4

AUTHORIZED BY: 07FEB22
TRACY ARCHER

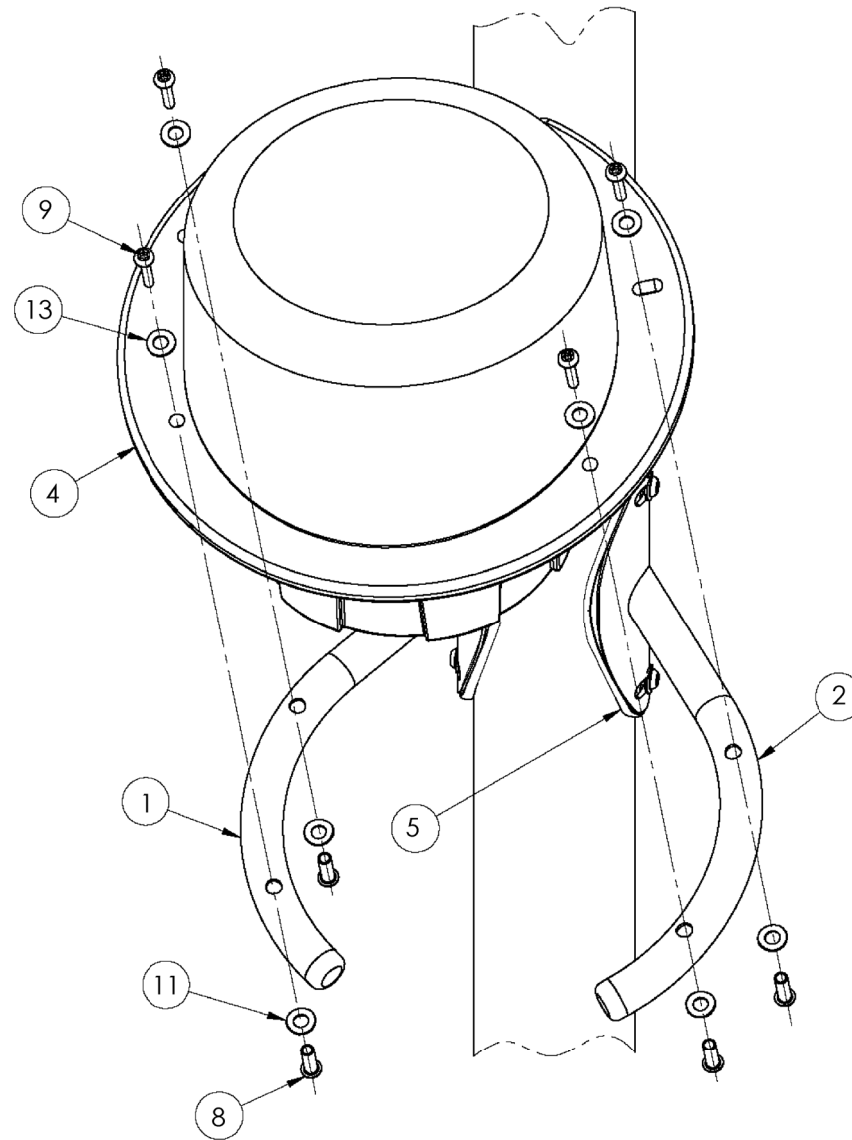


INSTALL INSTRUCTION F/KB BOINGO

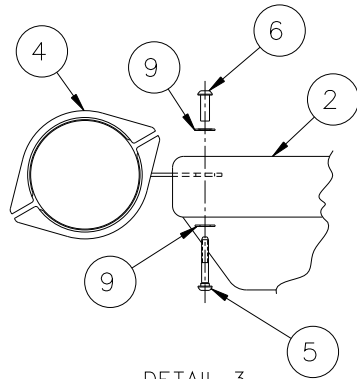
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SHEET 4 OF 4

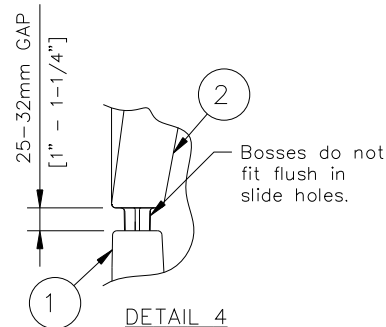
AUTHORIZED BY: 07FEB22
TRACY ARCHER



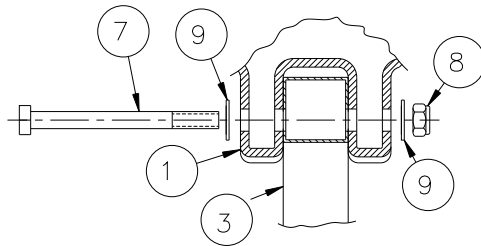
DETAIL 3



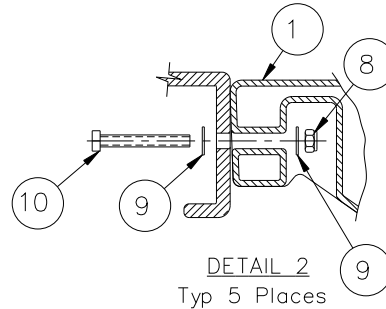
DETAIL 3
Typ 2 Places



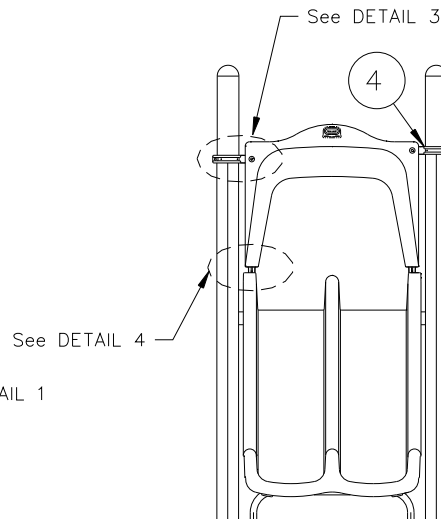
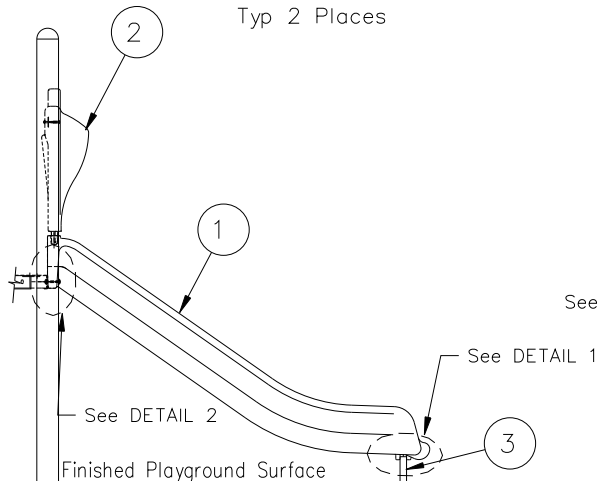
DETAIL 4
Typ 2 Places



DETAIL 1
Typ 2 Places



DETAIL 2
Typ 5 Places



NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS

915 DOUBLE WIDE SLIDE

200006975

1220 DOUBLE WIDE SLIDE

200006976

Item	Code	Description	Qty.
1	-	DOUBLE WIDE SLIDE KB	1
2	-	HOOD F/KB DBL. WD. SLIDE	1
3	-	SUPP. END DBL. WD. W/HOOD	1
4	-	KB PANEL CLAMP	2

HDWR BAG KB 915/1220 DBL.WD. W/HOOD (MM)
200007676

Item	Code	Description	Qty.
5	200002142	BOLT M8 X 1.25 MALE 57.5 mm	2
6	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30mm	2
7	200001875	CAP SCREW HEX HD M10 X 1.5 X 110MM	2
8	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	7
9	200002079	WASHER FLAT M11 23 X 12 X 1.6 mm	18
10	200001859	CAP SCREW HEX HEAD M10 X 1.50 X 75mm	5

Application

– Age groups: (2–5 year olds) & (5–12 year olds).

– The exit region should be no higher than 280[11"] from finished playground surface for slides with an elevation no greater than 1220[48"].

– For slides with an elevation greater than 1220[48"], exit region should be between 180–380[7"–15"].

– Runout slope must be between 0–4 degrees.

Installation Instructions

1. Prepare footings.

2. Attach the end support to the underside of the Slide as shown in DETAIL 1.

3. Place the end support in the footing and attach the Slide to the deck edge as shown in DETAIL 2. If Surface Mounting, anchor the end support to the concrete.

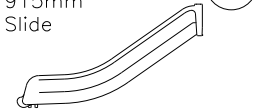
4. Insert the bosses located at the bottom of the Slide Hood, into the holes provided on the top of the Slide. Push the hood down until FIRMLY in place. The Hood has been designed to resist string entanglements, therefore, the bosses do not fit flush in the Slide holes, as shown in DETAIL 4.

5. Insert panel clamps into the slots in the Hood as shown in DETAIL 3. Attach the clamps to the posts. (Refer to front of manual for clamp installation detail.)

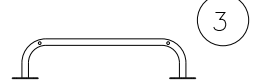
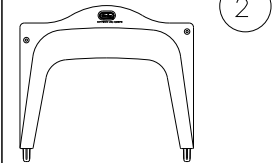
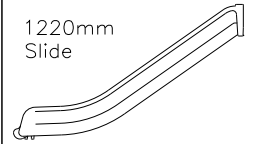
6. Tighten all hardware.

7. Complete footings and install resilient surfacing.

915mm
Slide



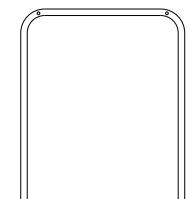
1220mm
Slide



40mm [1-1/2"]
Surface Mt.

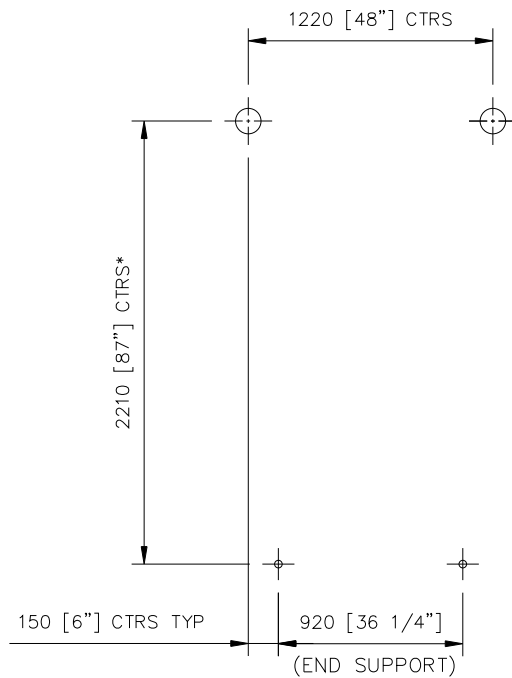


305mm [12"]
Surface Mt.

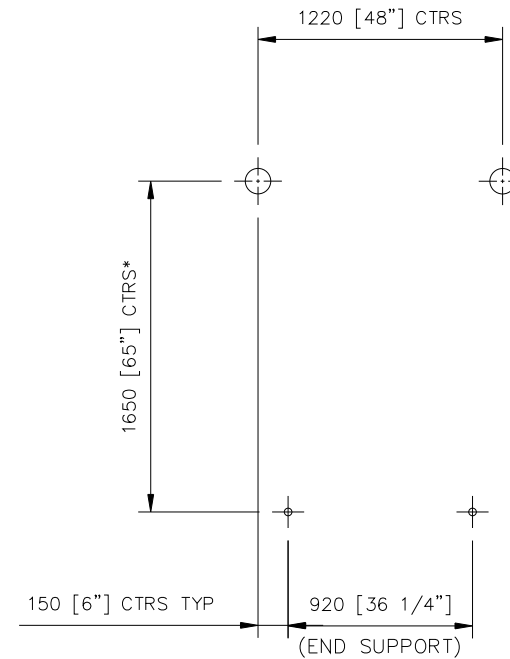


Inground Mt.

Footing Layouts



1220[48"] Model

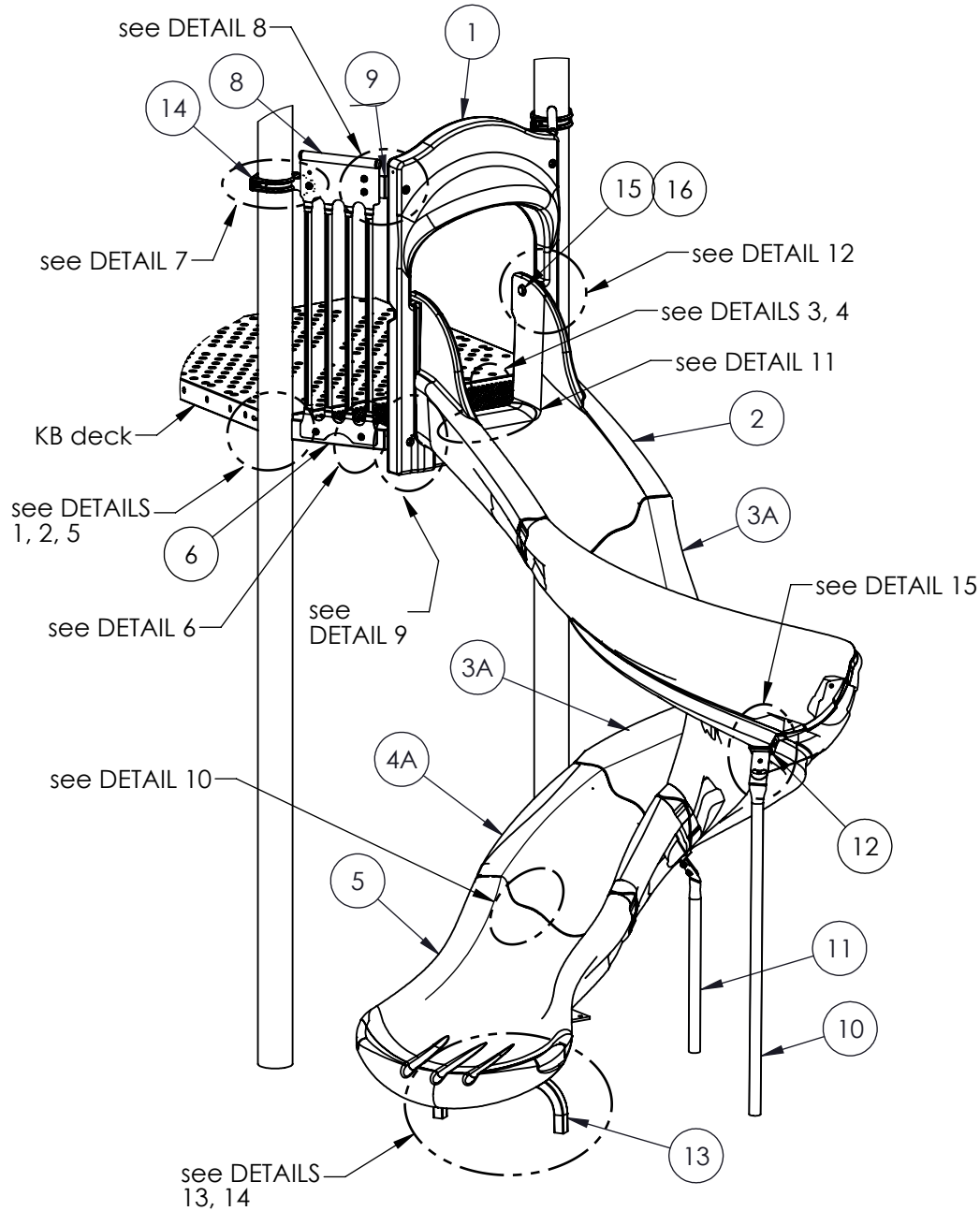


915[36"] Model

*Reference general information section in front of manual for slide installation information.

INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

200313339
KB700077A
SHEET 1 OF 13
AUTHORIZED BY: 13DEC13
Eric Cloudus



CURVE LEFT OPTION

KB 8' QUANTUM II SPIRAL SLIDE LEFT 200203124

Item	Code	Description	Qty
1	-	LT NARROW HOOD F/2013 SECTIONAL SLIDE	1
2	-	LT START F/2013 SECTIONAL SLIDE	1
3A	-	HIGH BANK LEFT F/2013 SECTIONAL SLIDE	2
4A	-	LOW BANK LEFT F/2013 SECTIONAL SLIDE	1
5	-	RUNOUT F/2013 SECTIONAL SLIDE	1
6	-	KB NARROW HD DECK ASSY	1
7	-	KB NARROW HOOD DK POST BRKT	2
8	-	KB NARROW HD ENCL	2
9	-	KB NARROW HD SLIDE BRACKET	2
10	-	48" HB SPIRAL SUPPORT WLDMT	1
11	-	24" KB SPIRAL SUPPORT WLDMT	1
12	-	MID SUPP BRKT F/2013 SECT SLIDE	2
13	-	RUNOUT SUPP F/2013 SECT SLIDE	1
14	-	KB WING CLAMP ASSEMBLY	2
15	-	CAP HDWR COVER	2
16	-	CAP HDWR BASE	2

HDWR BAG F/KB 8' QUANTUM II SPIRAL SLIDE 998168

17	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	19
18	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	3
19	200097726	SCREW MACH BUTTONHEAD M10 X 1.50 X 38MM	2
20	200001826	CAP SCRW HEX HD M8 X 1.25 X 75MM W/PATCH	2
21	200308938	BOLT M8 X 1.25 MALE 90MM	2
22	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	24
23	200002133	BOLT M8 X 1.25 MALE 27.5 MM	2
24	200002142	BOLT M8 X 1.25 MALE 57.5 MM	20
25	300002750	SCREW T-27 TORX ROUND WASHER HD	12
26	200153311	ROD INTERNALLY THREADED 1/2" S.S. 240MM	1
27	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	21
28	200002100	WASHER FLAT M11 32OD X 13ID X 2MM S.S.	2
29	200002079	WASHER FLAT M11 23 X 12 X 1.6	93

INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

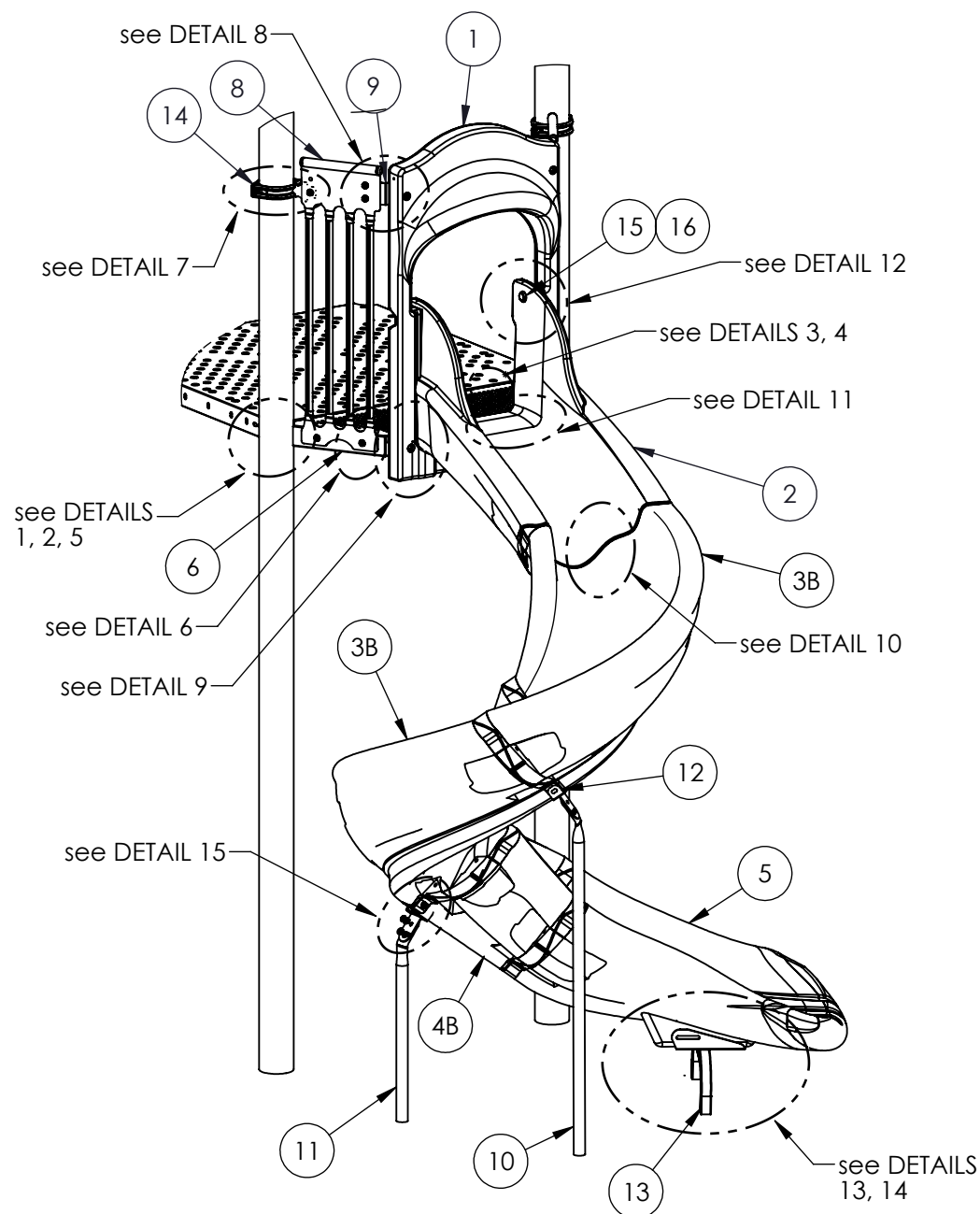
200313339

KB700077A

SHEET 2 OF 13

AUTHORIZED BY: 13DEC13

Eric Cloudus



CURVE RIGHT OPTION

KB 8' QUANTUM II SPIRAL SLIDE RIGHT 200203131

Item	Code	Description	Qty
1	-	LT NARROW HOOD F/2013 SECTIONAL SLIDE	1
2	-	LT START F/2013 SECTIONAL SLIDE	1
3B	-	HIGH BANK RIGHT F/2013 SECTIONAL SLIDE	2
4B	-	LOW BANK RIGHT F/2013 SECTIONAL SLIDE	1
5	-	RUNOUT F/2013 SECTIONAL SLIDE	1
6	-	KB NARROW HD DECK ASSY	1
7	-	KB NARROW HOOD DK POST BRKT	2
8	-	KB NARROW HD ENCL	2
9	-	KB NARROW HD SLIDE BRACKET	2
10	-	48" HB SPIRAL SUPPORT WLDMT	1
11	-	24" KB SPIRAL SUPPORT WLDMT	1
12	-	MID SUPP BRKT F/2013 SECT SLIDE	2
13	-	RUNOUT SUPP F/2013 SECT SLIDE	1
14	-	KB WING CLAMP ASSEMBLY	2
15	-	CAP HDWR COVER	2
16	-	CAP HDWR BASE	2

HDWR BAG F/KB 8' QUANTUM II SPIRAL SLIDE 998168

17	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	19
18	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30MM	3
19	200097726	SCREW MACH BUTTONHEAD M10 X 1.50 X 38MM	2
20	200001826	CAP SCRW HEX HD M8 X 1.25 X 75MM W/PATCH	2
21	200308938	BOLT M8 X 1.25 MALE 90MM	2
22	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	24
23	200002133	BOLT M8 X 1.25 MALE 27.5 MM	2
24	200002142	BOLT M8 X 1.25 MALE 57.5 MM	20
25	300002750	SCREW T-27 TORX ROUND WASHER HD	12
26	200153311	ROD INTERNALLY THREADED 1/2" S.S. 240MM	1
27	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	21
28	200002100	WASHER FLAT M11 32OD X 13ID X 2MM S.S.	2
29	200002079	WASHER FLAT M11 23 X 12 X 1.6	93

BEFORE STARTING INSTALLATION OF YOUR LITTLE TIKES COMMERCIAL PRODUCT, "PLEASE READ INSTRUCTIONS THOROUGHLY"

This playevent is designed to suit a level site. Should there be any slopes on the site, care should be taken to accommodate the entry and exit points and to maintain the correct heights.

The site must be checked for adverse or unusual conditions. i.e.

- 1) Exposed, cracked or loose concrete footings.
- 2) Worn, scattered or compressed surface material.
- 3) Exposed roots, rocks or other environmental obstacles that form potential trip hazards.
- 4) Broken glass, refuse, or foreign objects around and on play equipment.
- 5) Poor drainage areas.
- 6) All sites especially those close to existing buildings must be checked for electrical or gas lines and drainage before digging.

As the owner, it is most important that you are aware of your responsibility for the safe use of your new play equipment. It is necessary to install equipment correctly according to the installation instructions provided and inspect the equipment regularly at intervals specified within the "Maintenance Manual," located in your maintenance kit. During inspection, if any part is found to be damaged or excessively worn, equipment should immediately be put out of service while the part is replaced. Lack of "maintenance" will result in premature wear, reduced life expectancy and possible failure.

All Little Tikes Commercial Play Systems playevents have been designed and engineered to meet all applicable safety guidelines, but if installed improperly, problems may occur such as: protruding hardware, entrapment gaps between 89mm [3.5"] to 229mm [9"], or string entanglements. Any accessible bolt ends that protrude beyond the face of the nut by more than two threads should be trimmed and peened smooth by the installer. Once your installation is complete, always inspect your work. Installation must be done to the manufacturer's assembly manual and applicable safety guidelines and/or standards.

The area immediately surrounding and above the play structure must be free of obstructions such as: buildings, trees, other play equipment, etc., and must be kept clear for entries, exits, traffic and falls. Make sure your site has the required surfacing and fall area designated on your Playground Layout Drawings.

ALL CHILDREN SHOULD BE SUPERVISED WHILE PLAYING ON EQUIPMENT.

INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

200313339

KB700077A

SHEET 4 OF 13

AUTHORIZED BY: 13DEC13

Eric Cloudus

Installation Instructions

1. Loosely attach the Post brackets (item 7) to the corners of the KB deck as shown in DETAIL 1. Make sure top of KB deck is level. Attach the Post brackets to the posts as shown in DETAIL 2. **NOTE:** Post brackets replace the use of Deck clamps in this application.

2. Attach Narrow deck (item 6) to the front of the KB deck as shown in DETAILS 3 and 4. Make sure top of Narrow deck is level with KB deck before tightening hardware. Attach Narrow deck corners to posts as shown in DETAIL 5.

3. Attach enclosures to Narrow deck as shown in DETAIL 6. Attach enclosures to posts as shown in DETAIL 7. Install wing clamp tabs on deck side of enclosures.

4. Loosely attach Hood brackets (item 9) to enclosures as shown in DETAIL 8.

5. Loosely attach Hood panel (item 1) to front side of Narrow deck as shown in DETAIL 9. Attach top of hood panel to hood brackets as shown in DETAIL 8.

6. Assemble the slide sections on the ground, beginning with the runout section (item 5). See sheet 1 for the left curve option; see sheet 2 for the right curve option. The sections will actually "snap" together. A rubber mallet is recommended to apply a blunt force to make the "snap" connection. Install hardware as shown in DETAIL 10.

7. Lift assembled slide and attach Start slide section (item 2) to the front side of the Narrow deck as shown in DETAIL 11. Attach top of Start slide section to Hood as shown in DETAIL 12.

8. Position the Runout support (item 13) under the runout section. NOTE: the Runout support is designed to allow for shrinkage during cool weather and expansion during warm weather. Consider the ambient air temperature when installing this slide. See DETAIL 14 for where to install hardware. Install hardware as shown in DETAIL 13.

9. See main view on sheet 1 (for curve left option) or sheet 2 (for curve right option) to determine which slide sections the short and tall Mid supports will be attached to. Position the Mid support bracket (item 12) on the bottom center of the slide section and, using the Mid support bracket as a template, drill a ϕ 13mm [1/2"] hole through both walls of the plastic slide section and install the bracket hardware as shown in DETAIL 15.

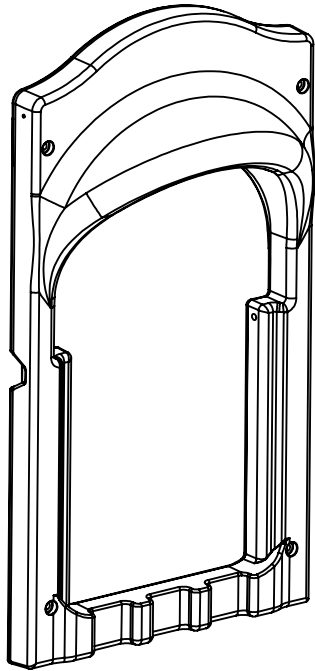
10. Install the Mid supports to the brackets as shown in DETAIL 15.

11. Tighten all hardware and install post clamp drive pins. Complete the footings, and install resilient surfacing.

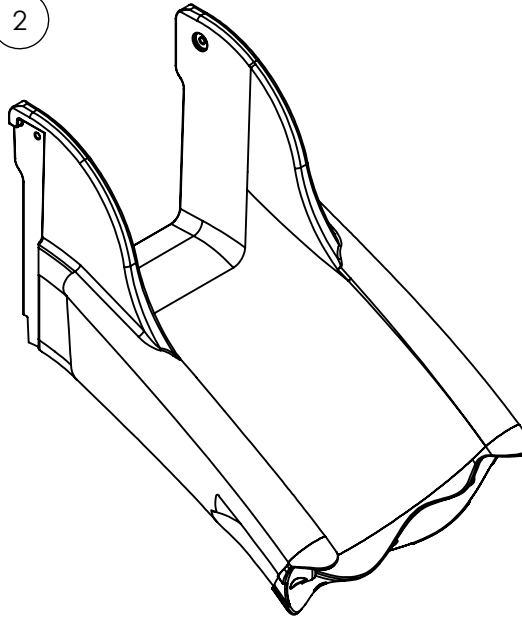
INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

200313339
KB700077A
SHEET 5 OF 13
AUTHORIZED BY:
Eric Cloudus
13DEC13

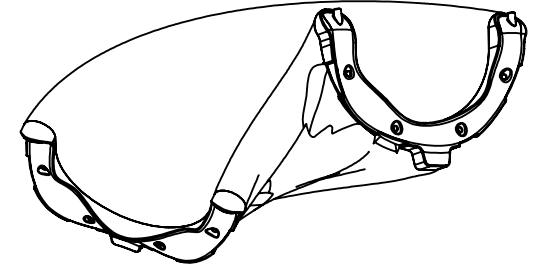
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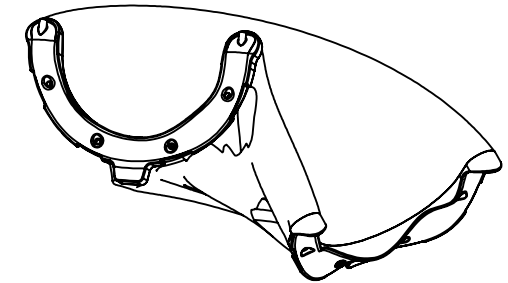
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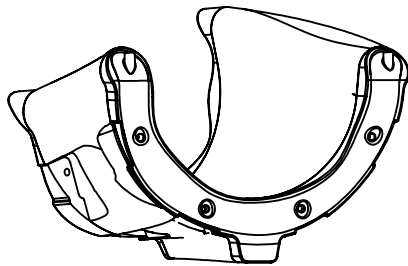
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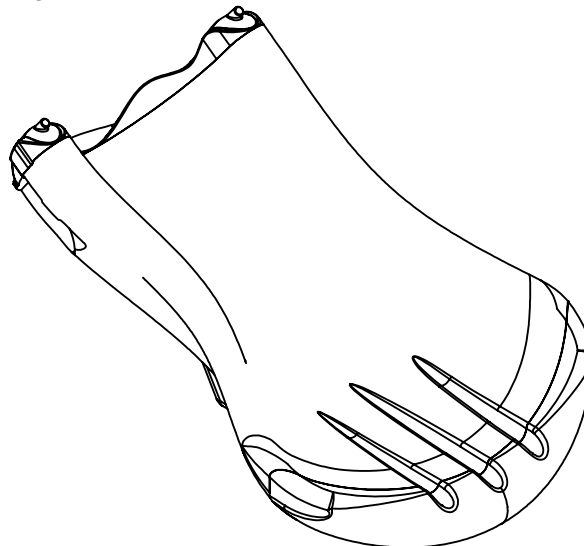
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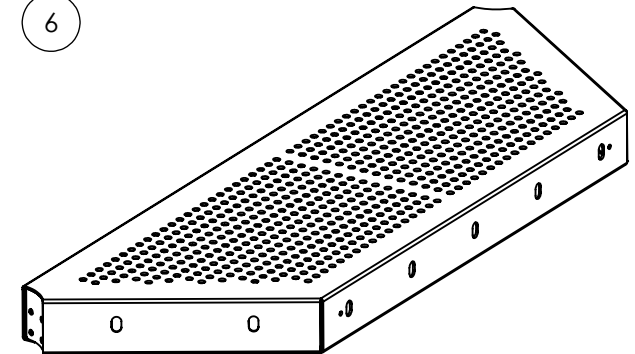
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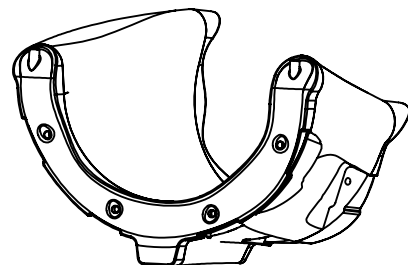
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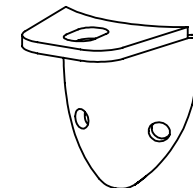
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4B



7



INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

200313339

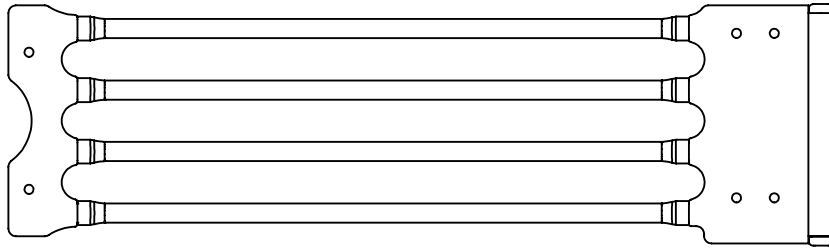
KB700077A

SHEET 6 OF 13

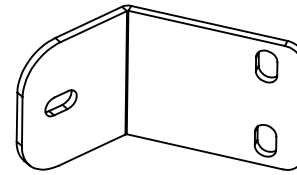
AUTHORIZED BY: 13DEC13

Eric Cloudus

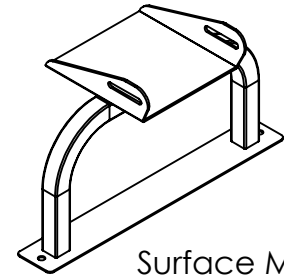
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9

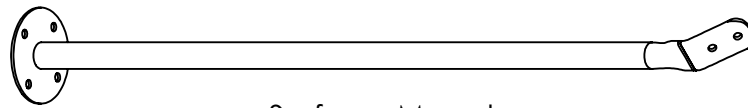


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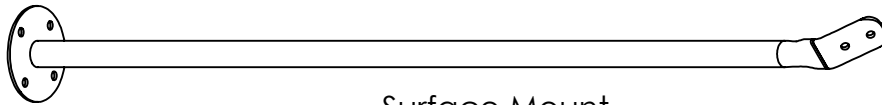


Surface Mount
40mm [1 1/2"]

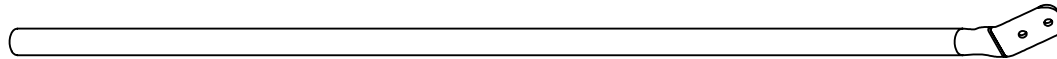
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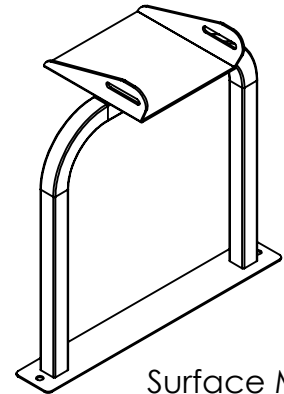
Surface Mount
40mm [1 1/2"]



Surface Mount
305mm [12"]

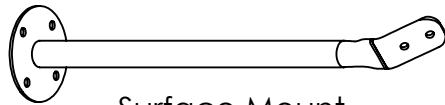


Inground Mount

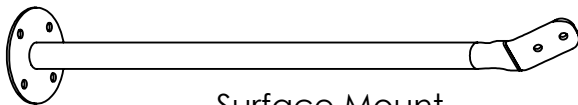


Surface Mount
305mm [12"]

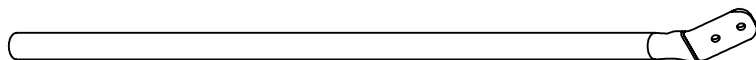
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Surface Mount
40mm [1 1/2"]

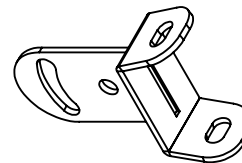


Surface Mount
305mm [12"]

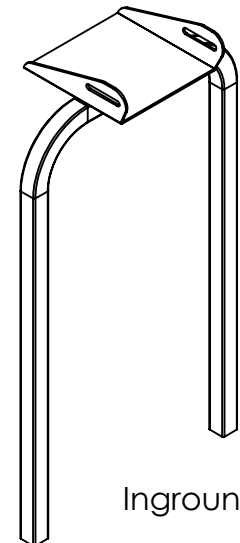
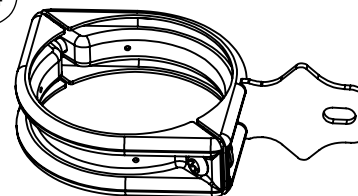


Inground Mount

12



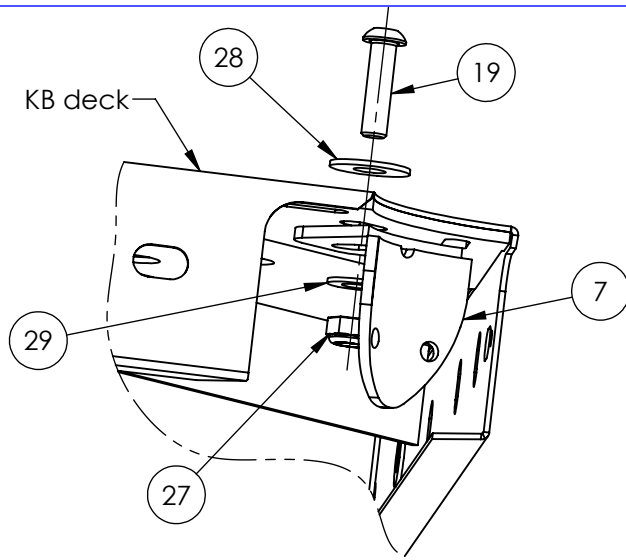
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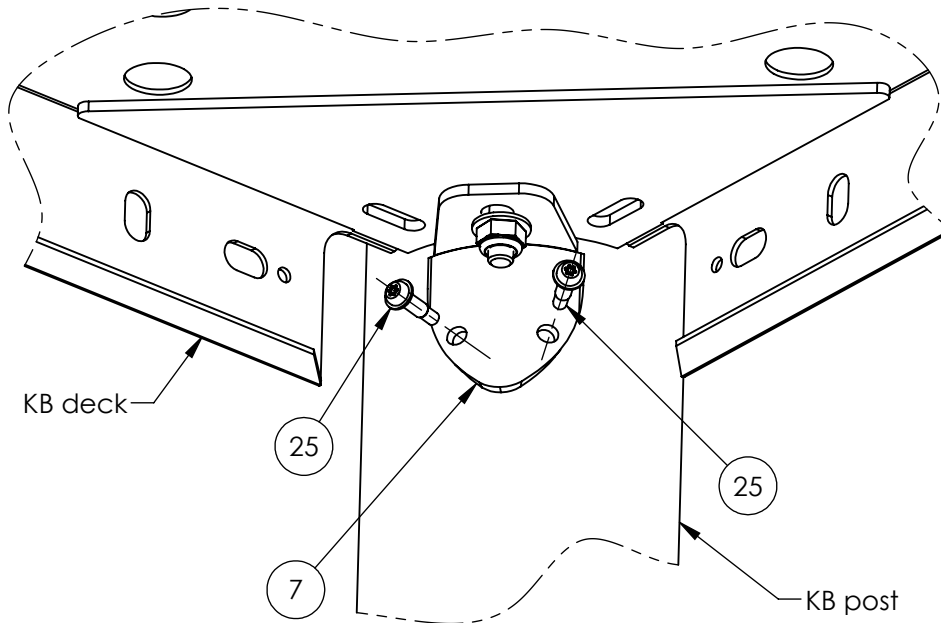
Inground Mount

INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

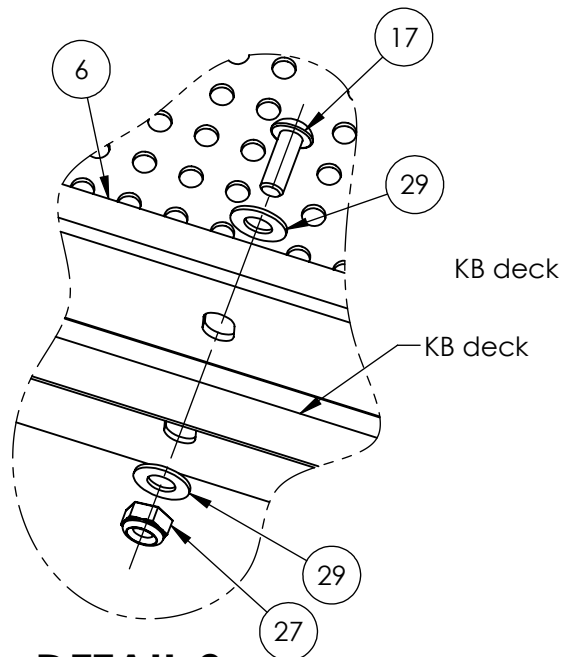
200313339
KB700077A
SHEET 7 OF 13
AUTHORIZED BY: 13DEC13
Eric Cloudus



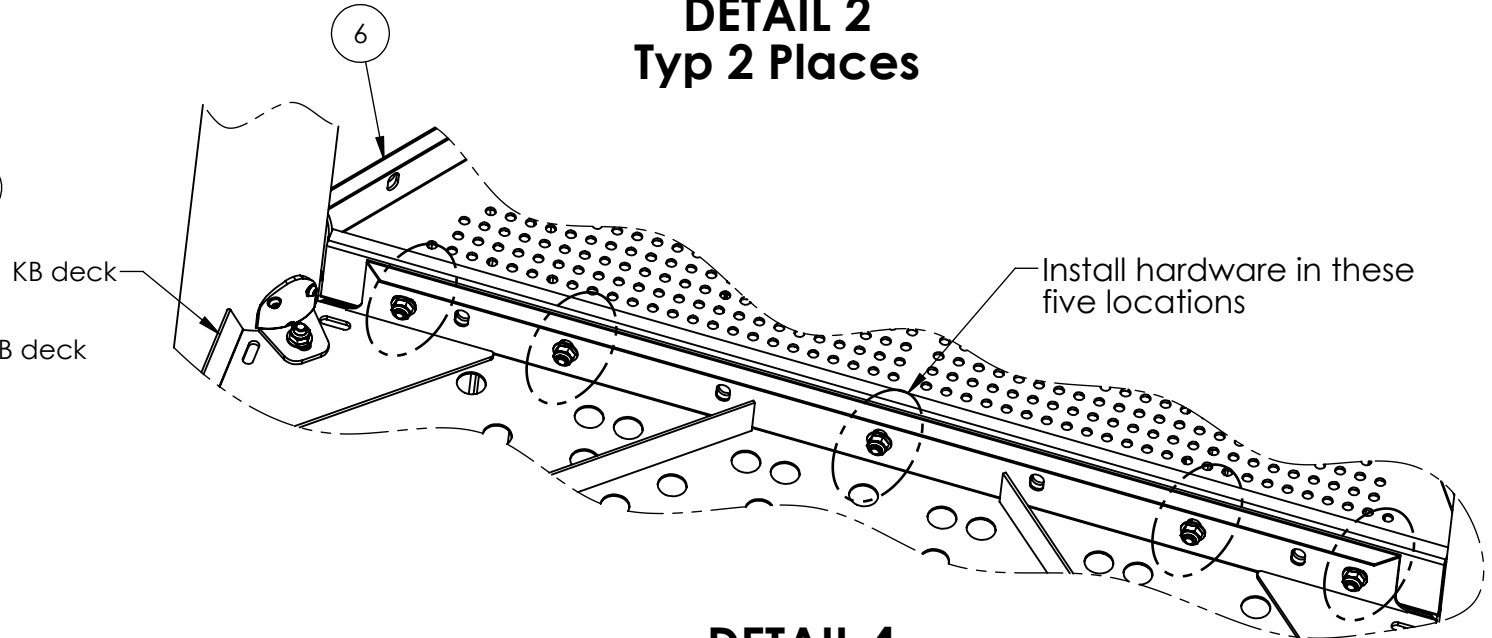
DETAIL 1
Typ 2 Places



DETAIL 2
Typ 2 Places



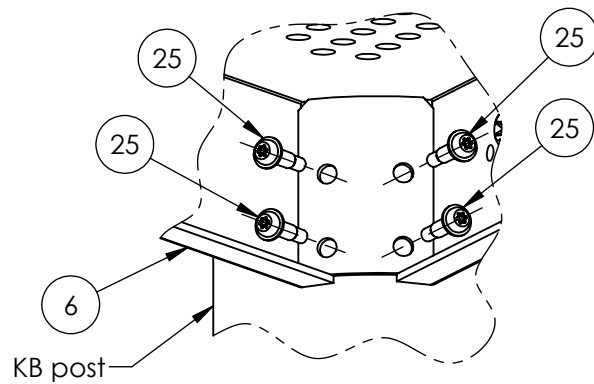
DETAIL 3
Typ 5 Places



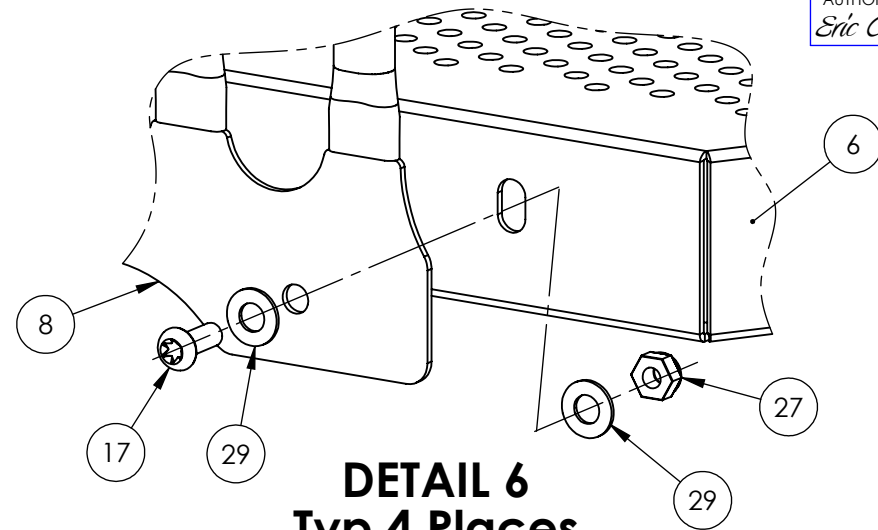
DETAIL 4

INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

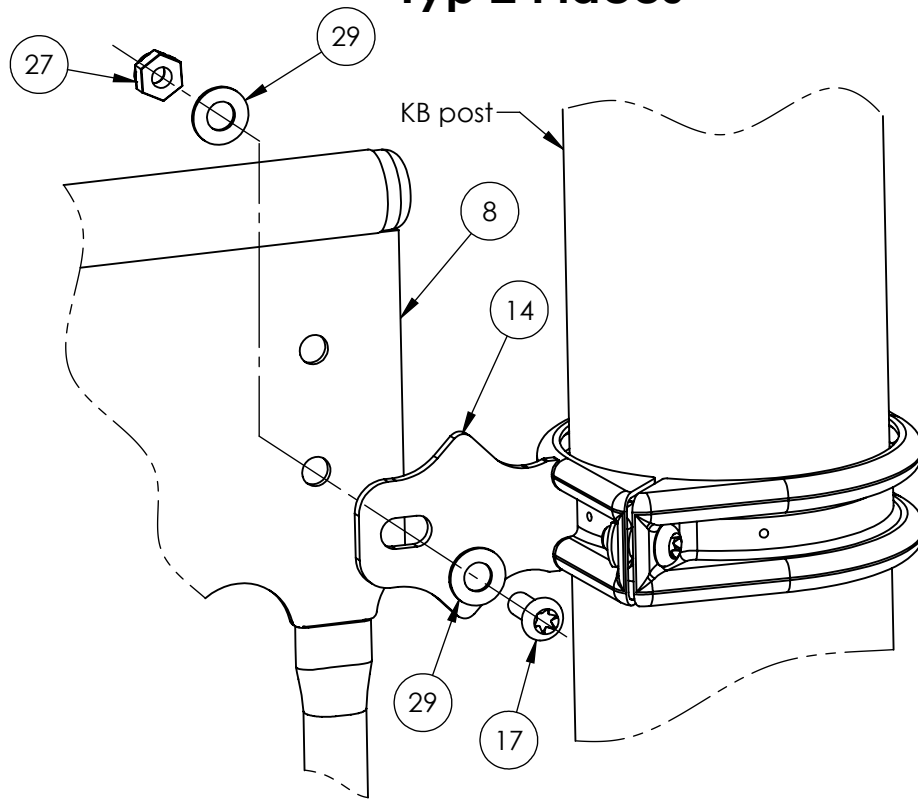
200313339
KB700077A
SHEET 8 OF 13
AUTHORIZED BY:
Eric Cloudus 13DEC13



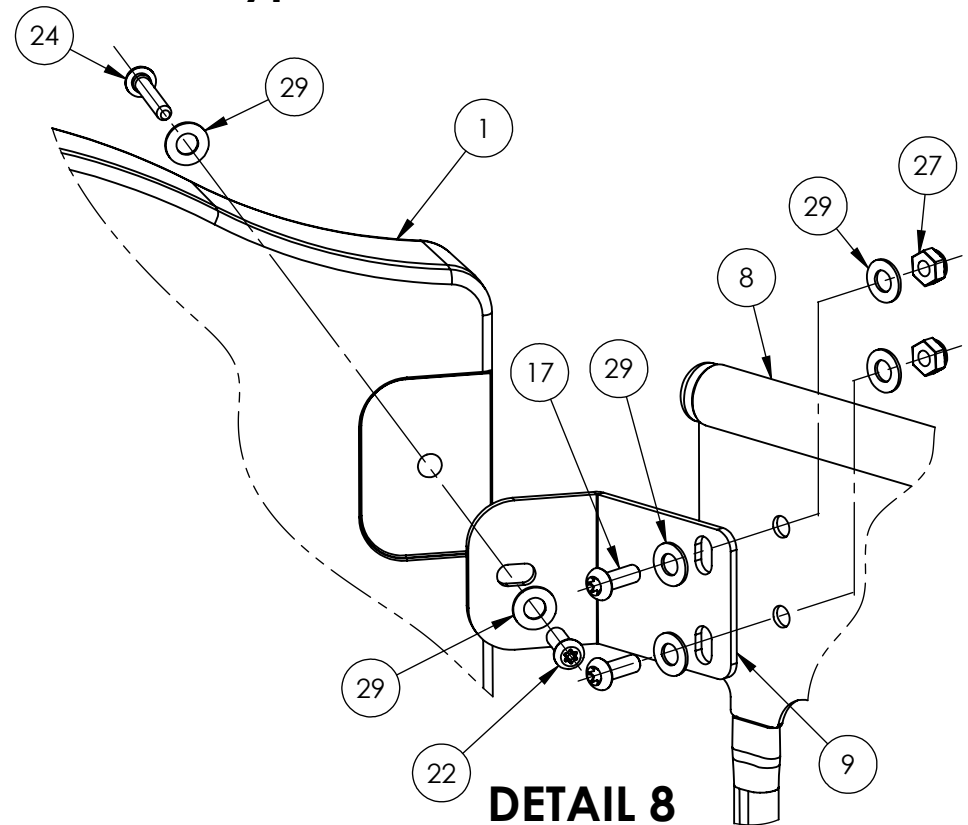
DETAIL 5
Typ 2 Places



DETAIL 6
Typ 4 Places



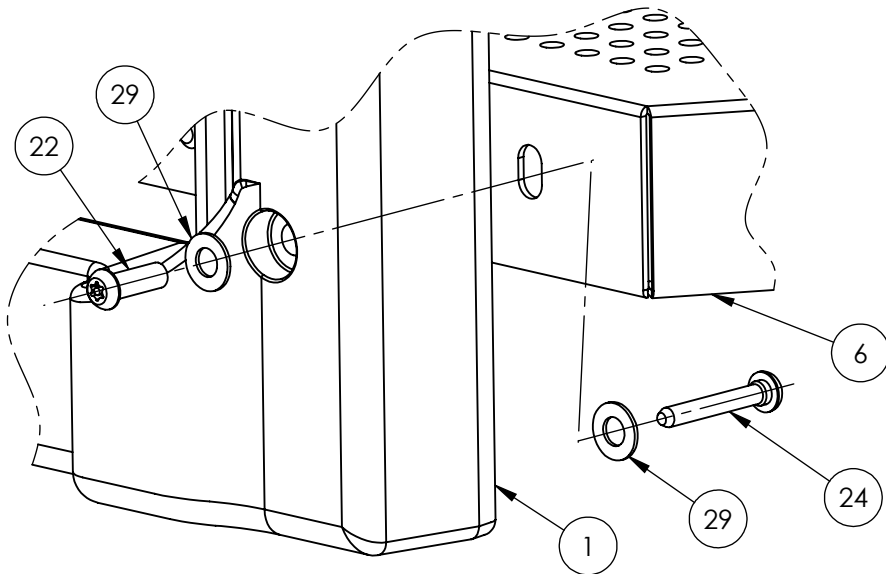
DETAIL 7
Typ 2 Places



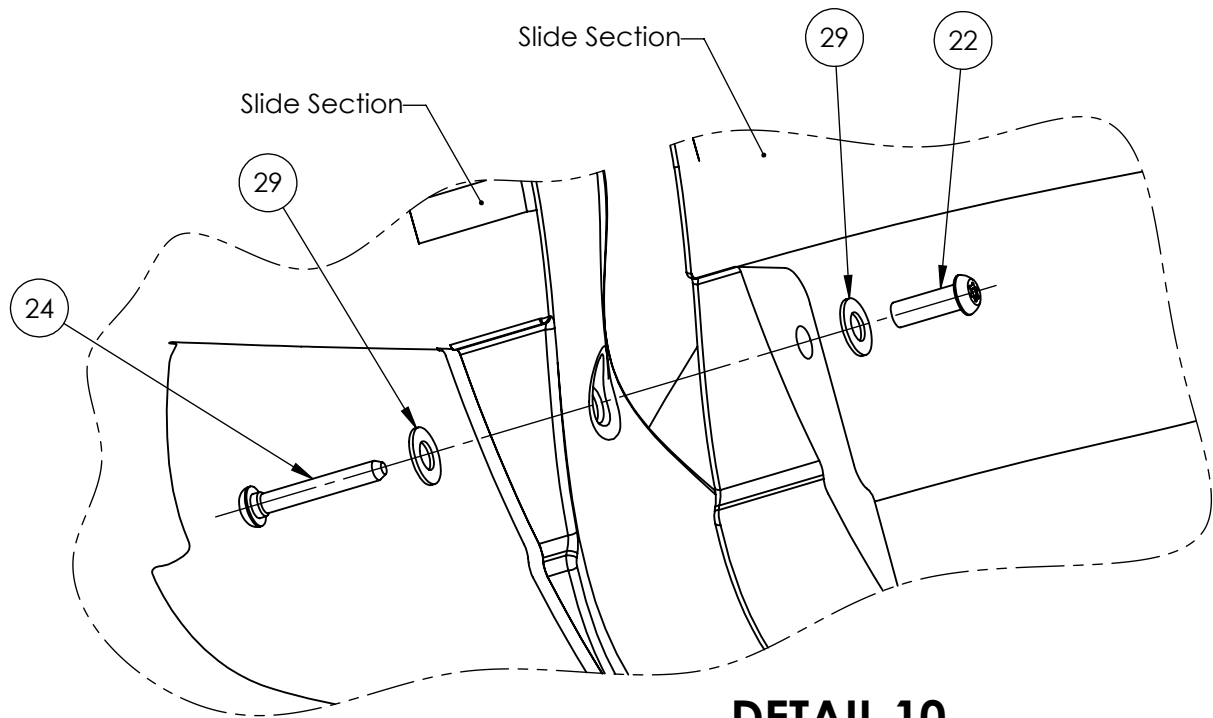
DETAIL 8
Typ 2 Places

INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

200313339
KB700077A
SHEET 9 OF 13
AUTHORIZED BY:
Eric Cloudus 13DEC13



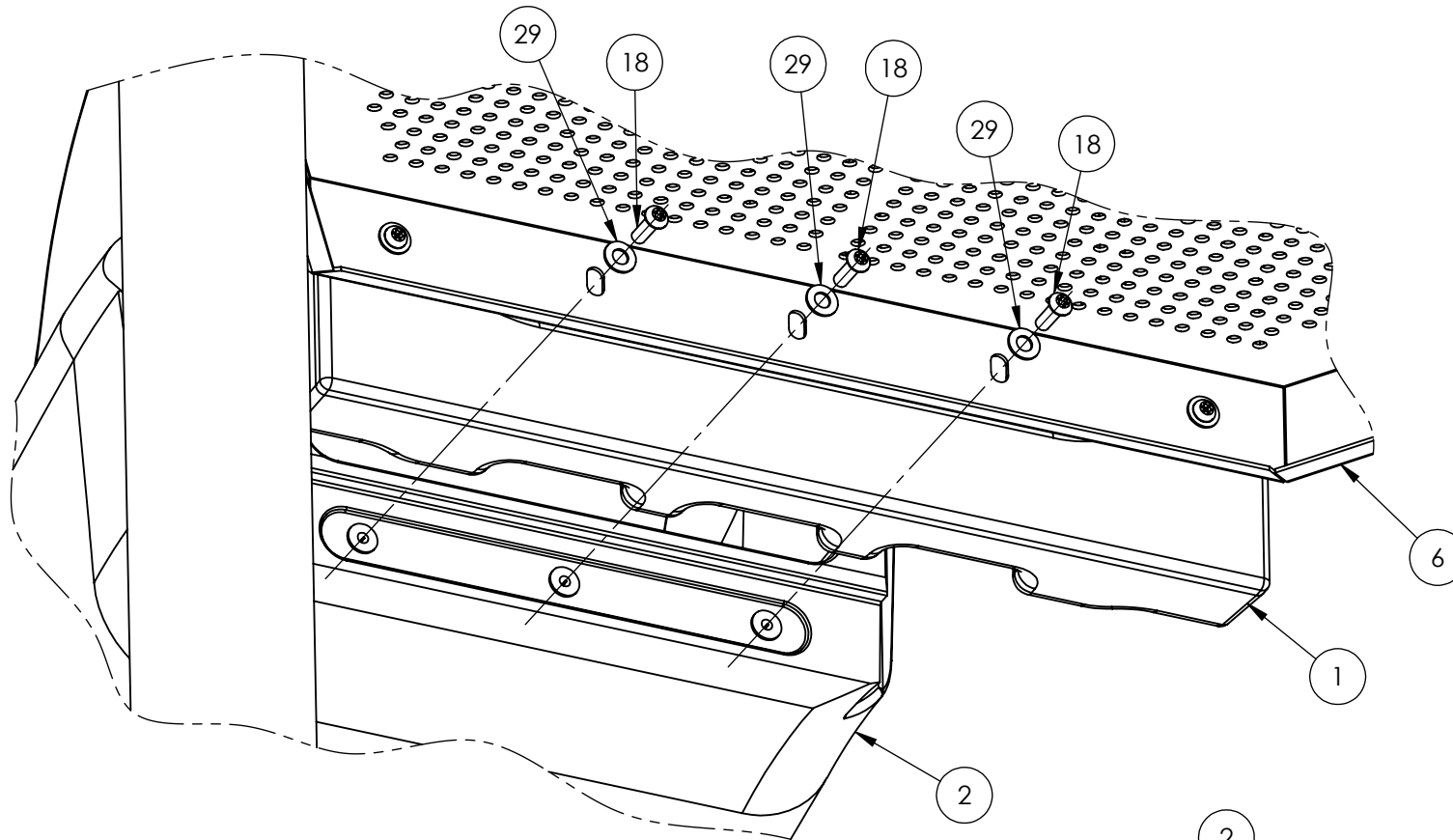
DETAIL 9
Typ 2 Places



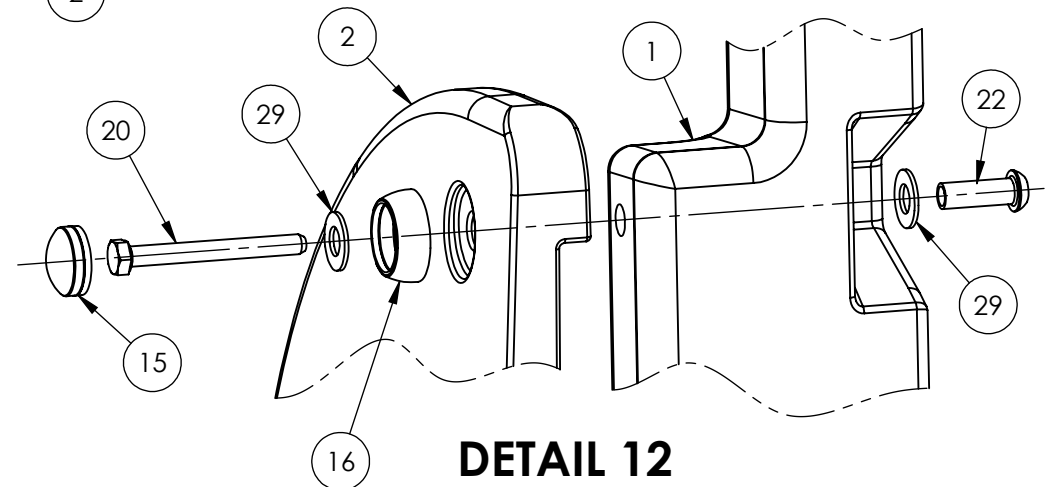
DETAIL 10
Typ 16 Places

INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

200313339
KB700077A
SHEET 10 OF 13
AUTHORIZED BY: 13DEC13
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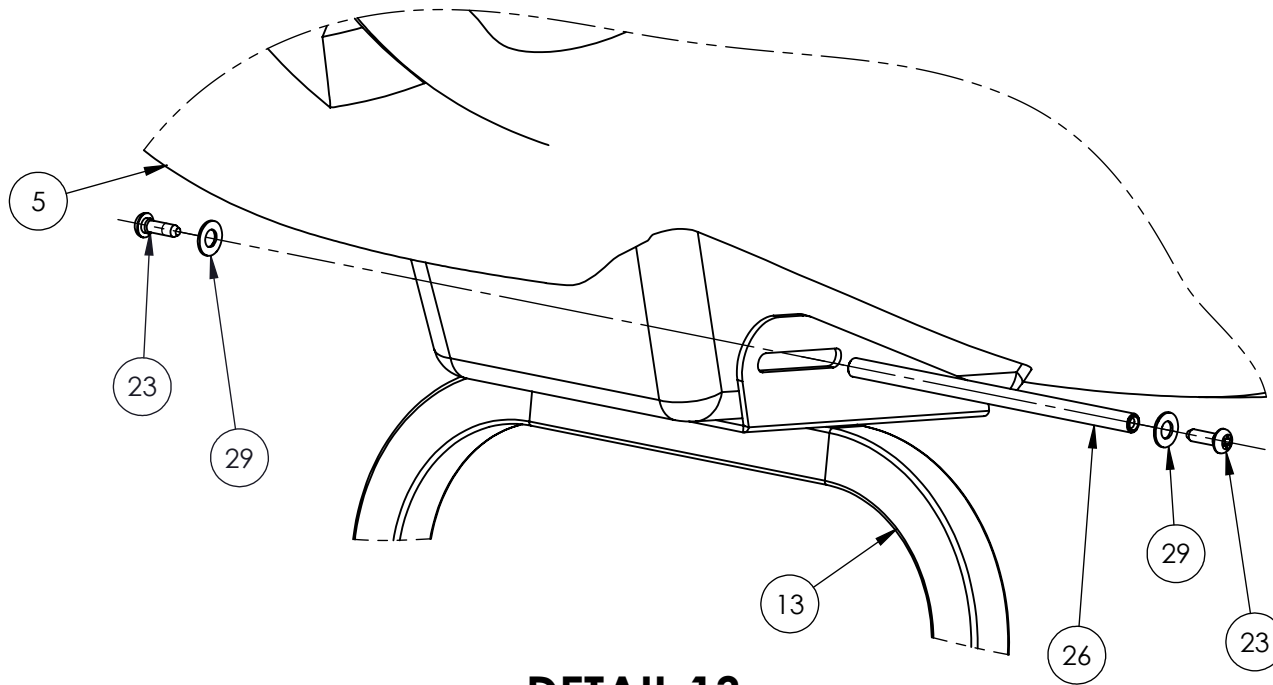
DETAIL 11



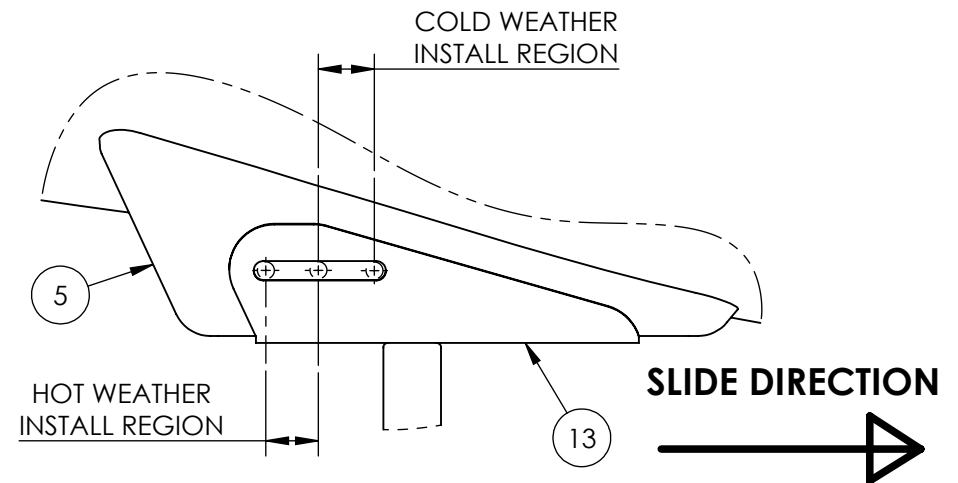
DETAIL 12
Typ 2 Places

INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

200313339
KB700077A
SHEET 11 OF 13
AUTHORIZED BY: 13DEC13
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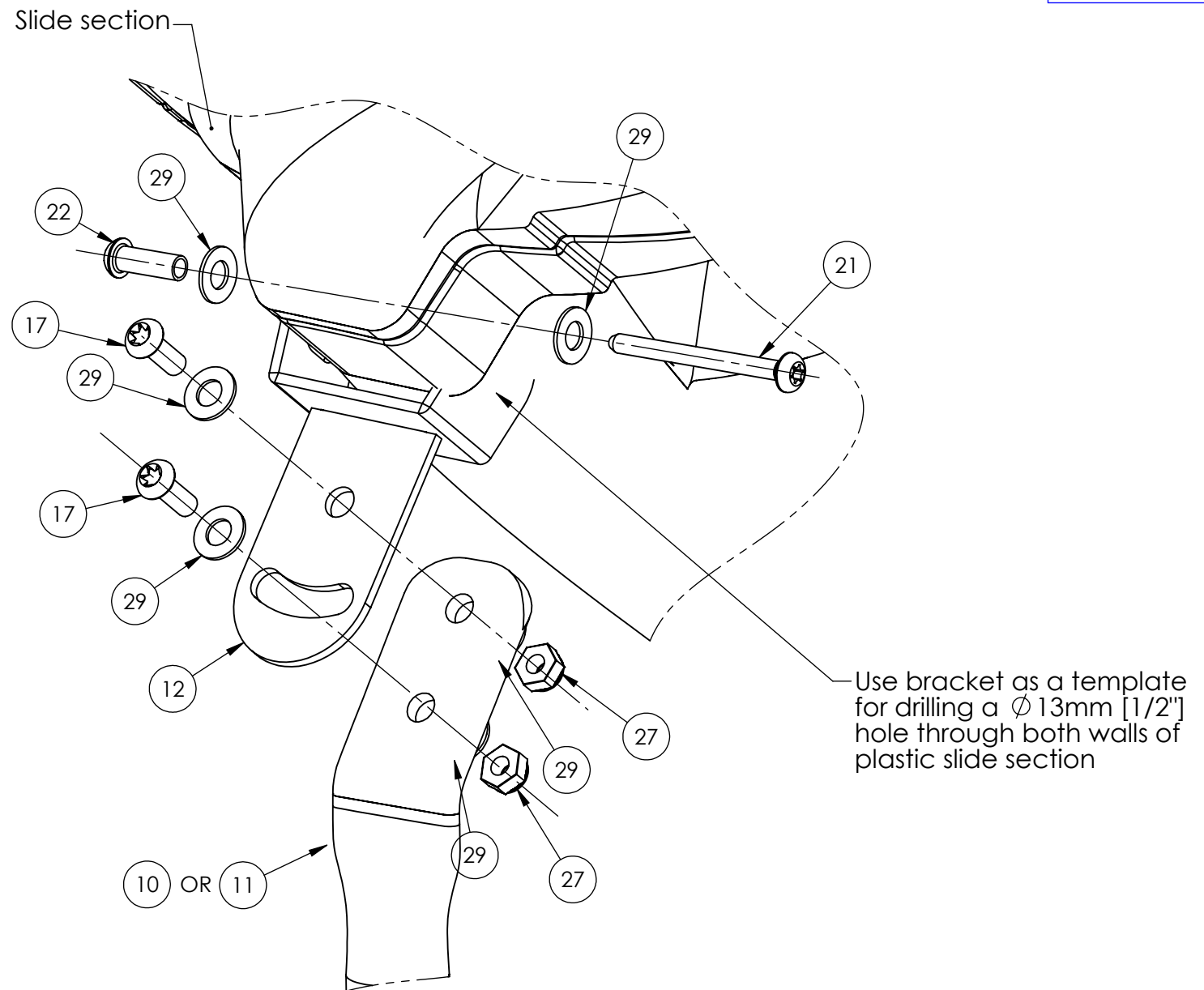
DETAIL 13



**DETAIL 14
(RUNOUT WEATHER ADJUSTMENT)**

INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

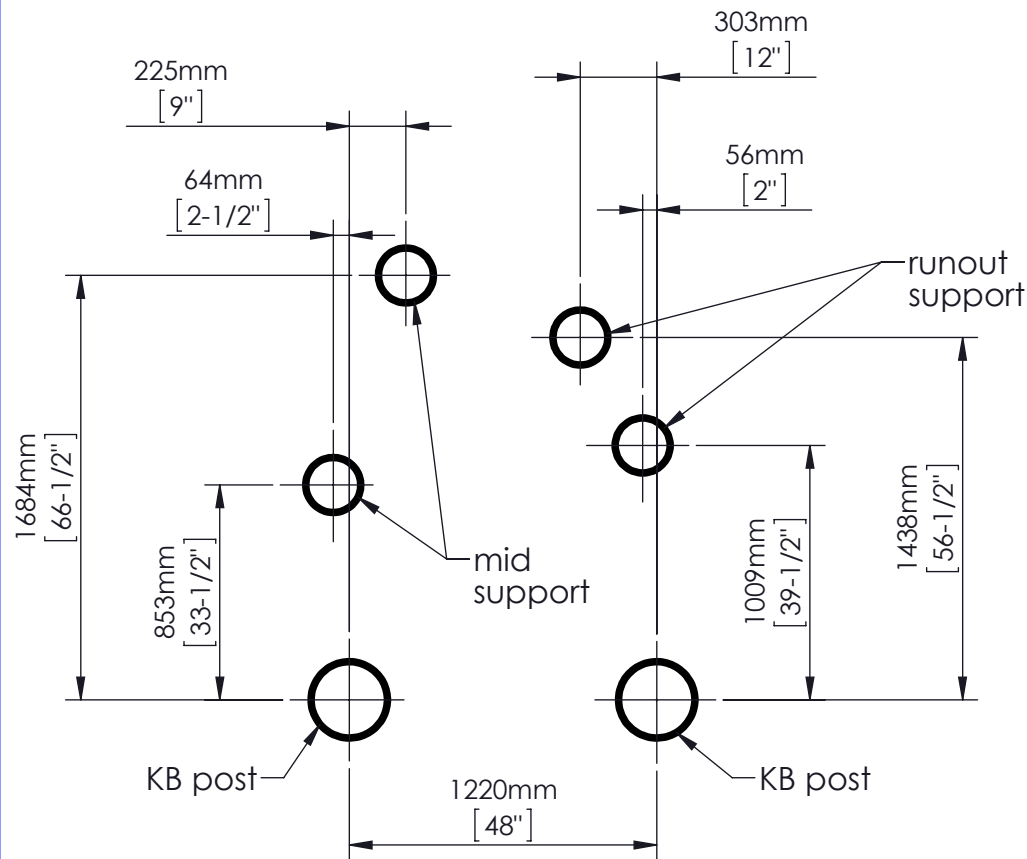
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SHEET 12 OF 13
AUTHORIZED BY: 13DEC13
Eric Cloudus



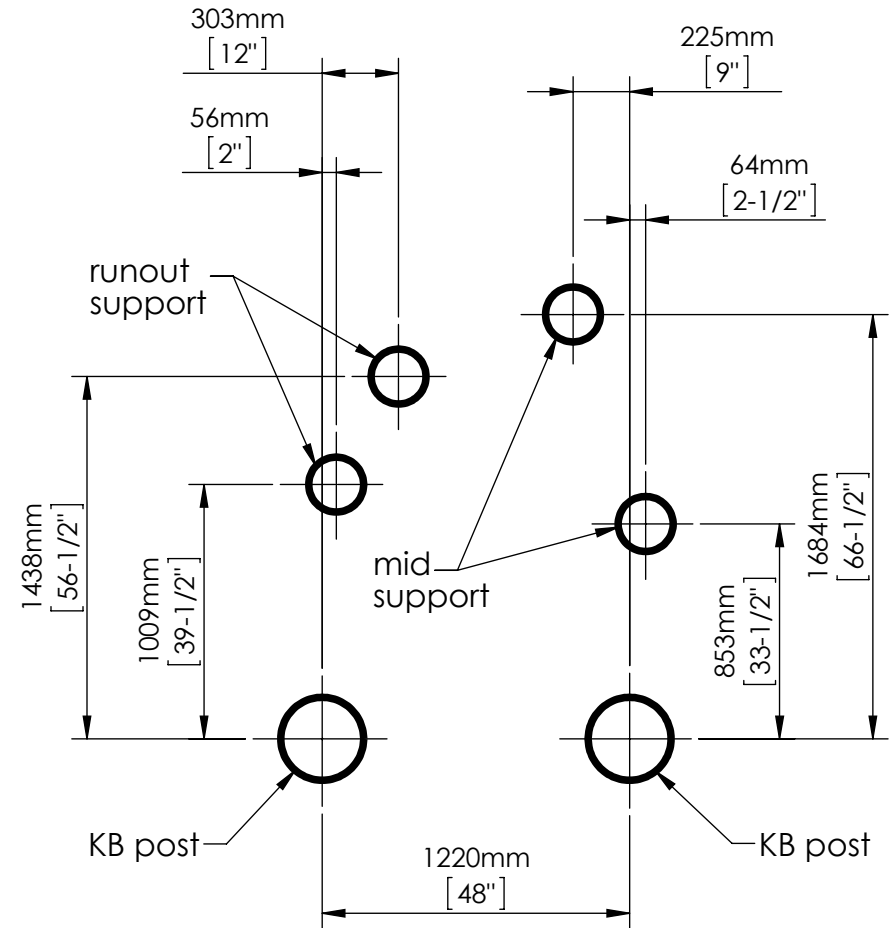
DETAIL 15
Typ 2 Places

INST F/KB QUANTUM II SPIRAL SLIDE (LEFT & RIGHT) 8'

200313339
KB700077A
SHEET 13 OF 13
AUTHORIZED BY:
Eric Cloudus
13DEC13



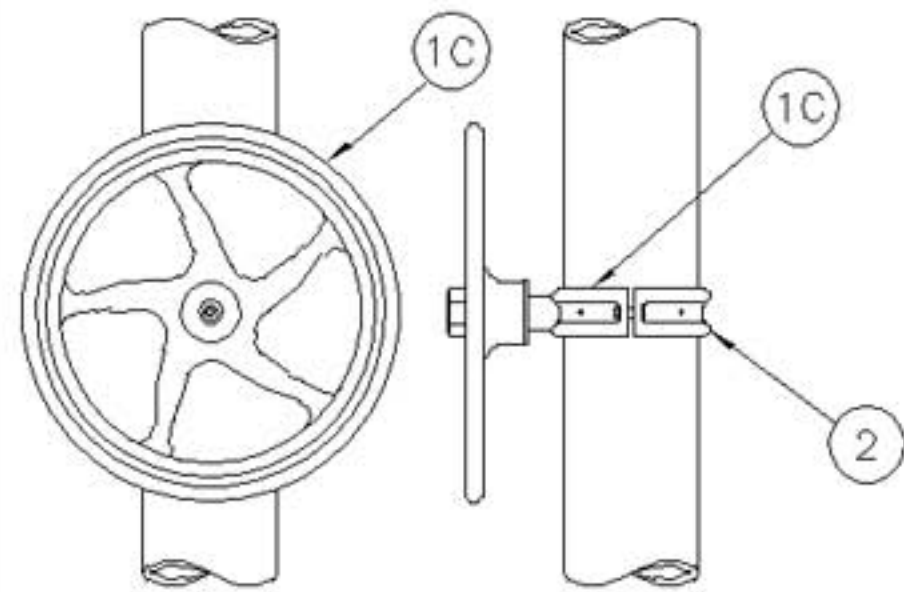
FOOTING DIMENSIONS - CURVE LEFT



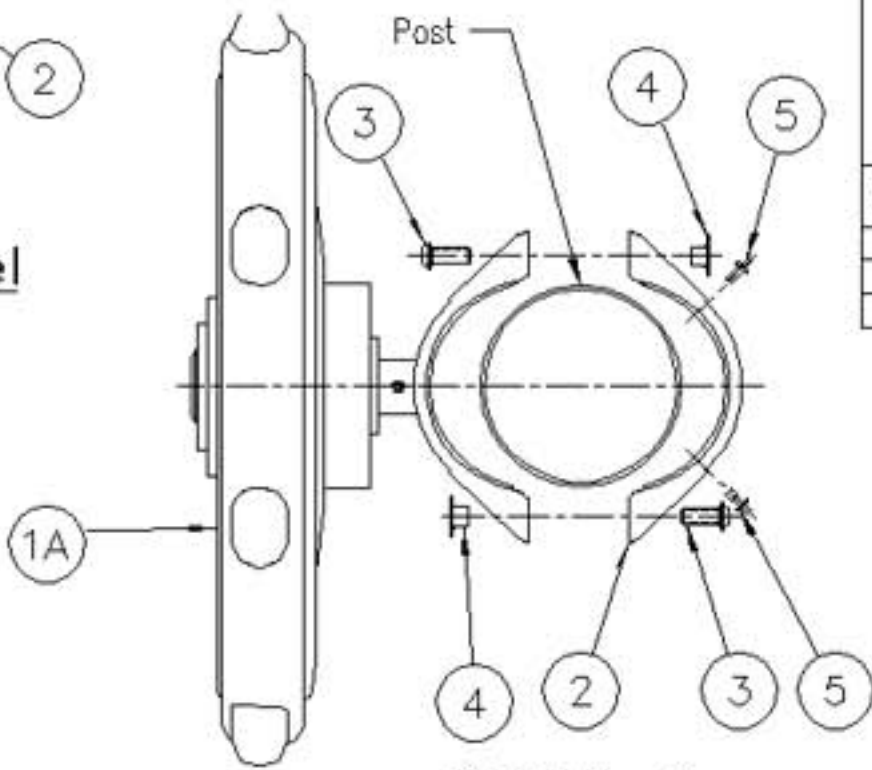
FOOTING DIMENSIONS - CURVE RIGHT



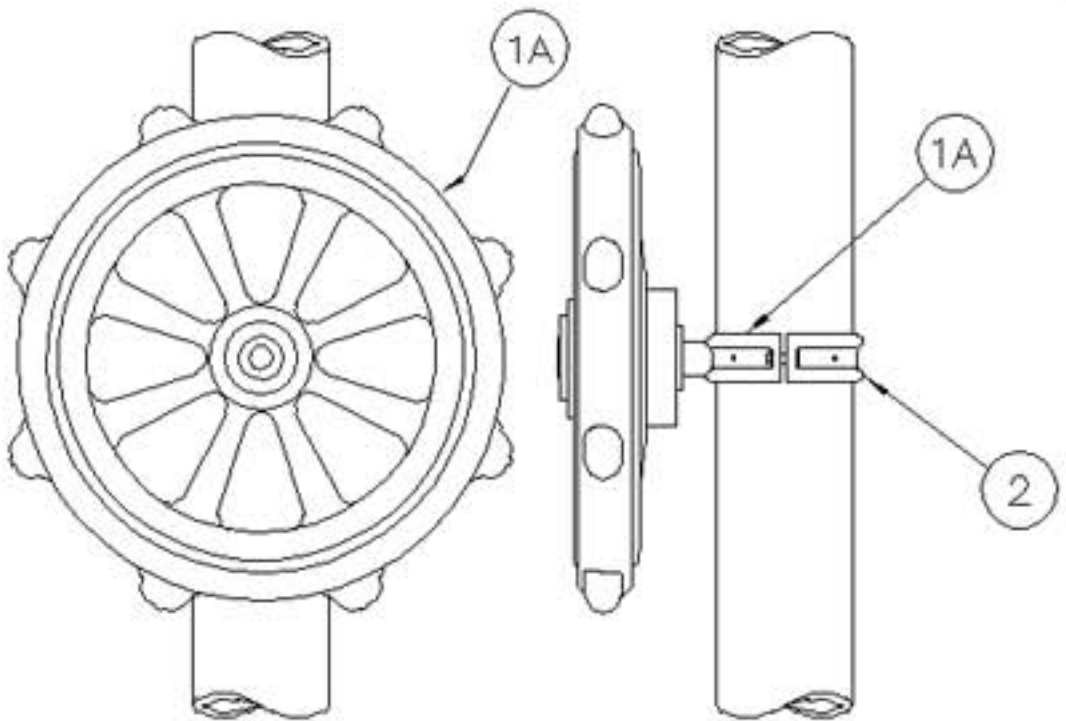
STEERING WHEEL (POST MOUNT)



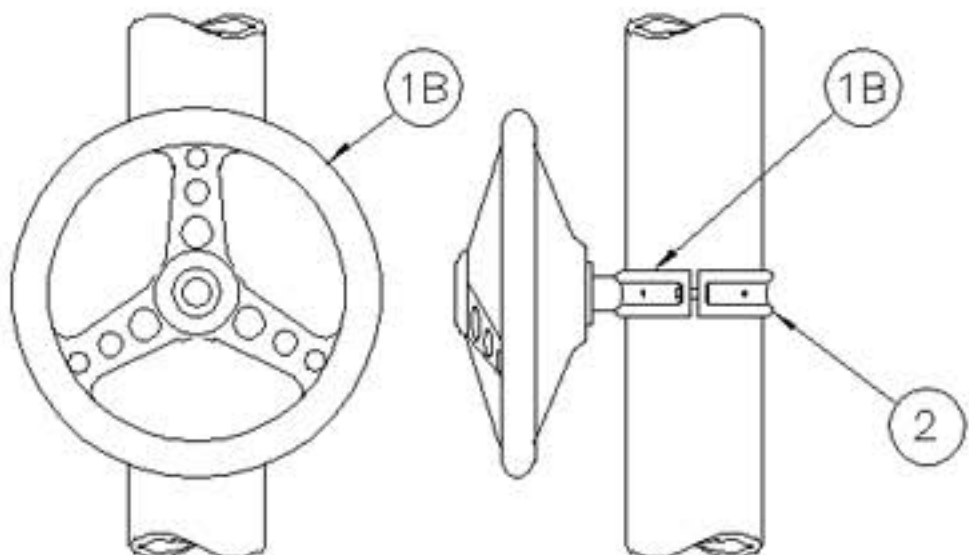
Aluminum Steering Wheel



DETAIL 1
(Ship Wheel Shown)



Ship Steering Wheel



Plastic Steering Wheel

WHEEL SHIP STEERING KB
200007091
WHEEL PLASTIC STEERING WHEEL KB
200200424
WHEEL ALUM. STEERING WHEEL KB
200200425

Item	Code	Description	Qty.
1A	-	ASSY. POST MT. f/SHIP STEER WHEEL	1
1B	-	ASSY. POST MT. f/PL. STEER WHEEL	
1C	-	ASSY. POST MT. f/AL. STEER WHEEL	
2	-	CLAMP HALF W/O WELDED ATTACHMENT	1

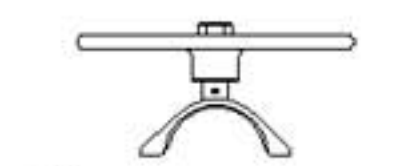
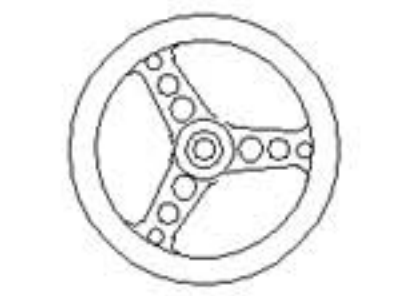
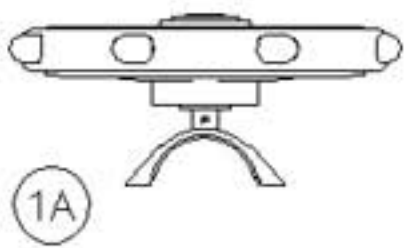
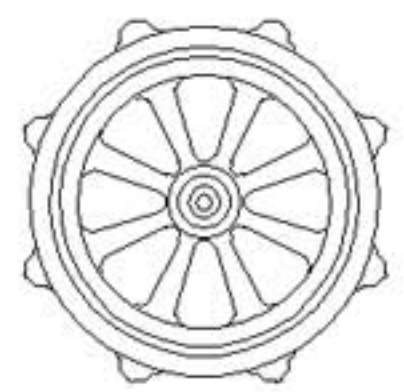
HDWR BAG F/POST MT. STEERING WHEELS
200145769

Item	Code	Description	Qty.
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.5 X 25mm	2
4	200001966	T-NUT SLAB BASE M10 X 1.5 X 9.5mm	2
5	200000797	HAMMER DRIVE PIN 4.7 X 11.1mm	2

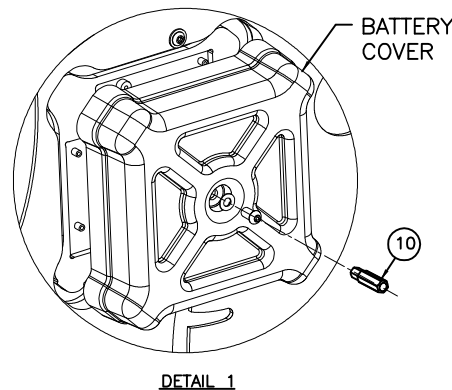
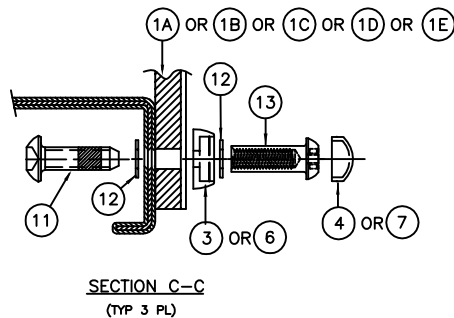
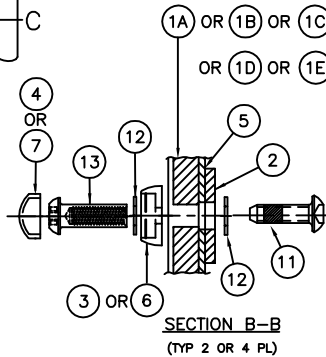
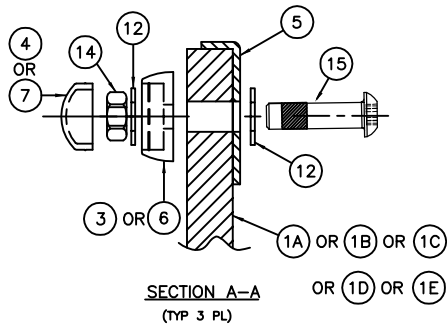
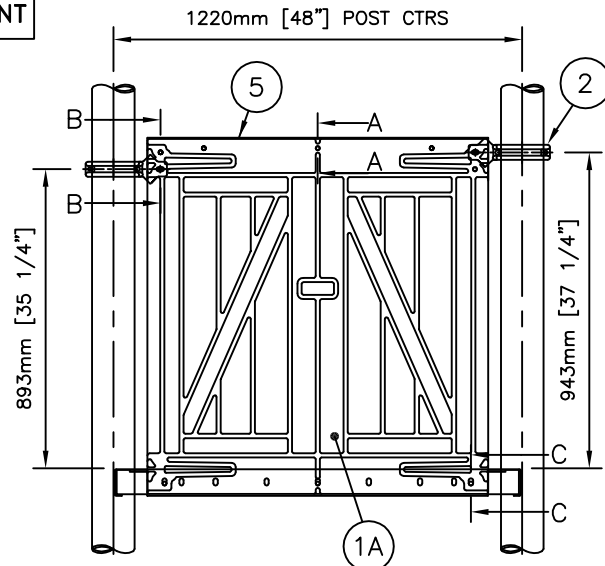
Installation Instructions

1. Loosely attach clamp half (item 2) and Assy. Post Mt. f/Steer Wheel (item 1) to post. (Refer to front of manual for clamp installation detail.)

2. Position at correct height and orientation, then tighten hardware.



DECK MOUNT



NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS

KB BARN PANEL RED/WHT DKMT - 200201030

KB CLOCK BRAILLE PANEL DKMT - 200202280

KB PICTURE BRAILLE PANEL DKMT - 200202281

KB ELECTRONIC PIANO PANEL DKMT - 200203224

KB ELECTRONIC ANIMAL PANEL DKMT - 200203226

Item	Code	Description	Qty.
1A	200161939	PANEL BARN F/KB RED/WHT	1
1B	905793*	PNL BRAILLE CLOCK KB DKMT	
1C	924716*	PNL BRAILLE PICTURE KB DKMT	
1D	999339*	ASSY ELECTRONIC PIANO PANEL F/KB	
1E	999336*	ASSY ELECTRONIC ANIMAL PANEL F/KB	
2	909257*	CLAMP WING F/KB (2001)	2
3	910918RED	CAP HARDWARE BASE	8
4	910917RED	CAP HARDWARE COVER	8
5	909893*	PLATE F/KB BARN PANEL	1
6	910918*	CAP HARDWARE BASE	8
7	910917*	CAP HARDWARE COVER	8
8A	HW162213-1	HDWR PKG KB BARN PANEL DKMT M1/1	1
9	HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS S1/1	1
10	923396	BIT, HST HEX 5MM - 1/4" DRV F/ELEC PANEL	1

HDWR PKG KB BARN PANEL DKMT M1/1 - HW162213-1

Item	Code	Description	Qty.
11	200002133	BOLT M8 X 1.25 MALE 27.5MM	7
12	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	20
13	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30MM	7
14	200001938	NUT HEX M10 X 1.50 S.S.	6
15	200097726	SCREW MACH BUTTONHEAD M10 X 1.5 X 38MM	6

HDWR PKG F/2SETS O/CLAMPS S1/1 - HW2CLMPSET-1

Item	Code	Description	Qty.
16	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	4
17	200000797	HAMMER DRIVE PIN 4.7 X 11.11MM	4
18	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	4

Note: An (*) by a part number (CODE) indicates: Color Code Required.

Application

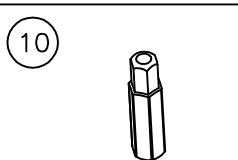
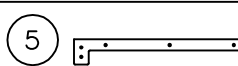
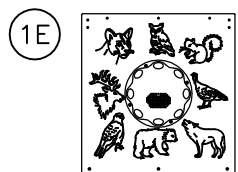
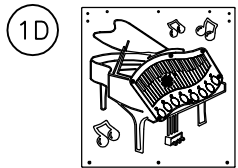
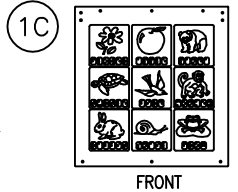
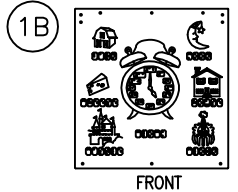
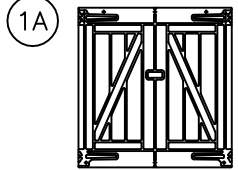
- Installed above or below deck.

Installation Instructions (Deck Mount)

- Loosely attach clamps (Item 2) to posts.
- Attach plate (Item 5) to panel (Item 1A, 1B, 1C, 1D OR 1E) as shown in SECTION A-A.
- Loosely attach panel (Item 1A, 1B, 1C, 1D OR 1E) and plate (Item 5) to clamps (Item 2) as shown in SECTION B-B.
- Attach panel (Item 1A, 1B, 1C, 1D OR 1E) to deck edge as shown in SECTION C-C.
- For electronic panels (Item 1D and 1E), remove the battery cover using 5mm tamper proof hex bit (item 10) as shown in DETAIL 1, and insert three (3) "D" size alkaline batteries; replace cover.
- Tighten all hardware.

AUTHORIZED BY: 14APR21

Tracy Archer



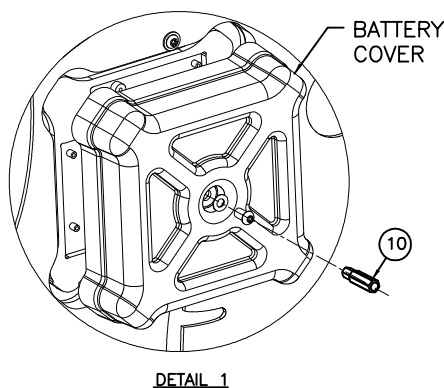
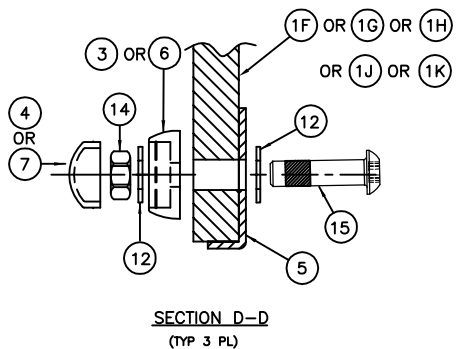
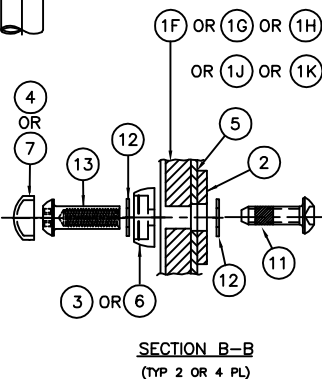
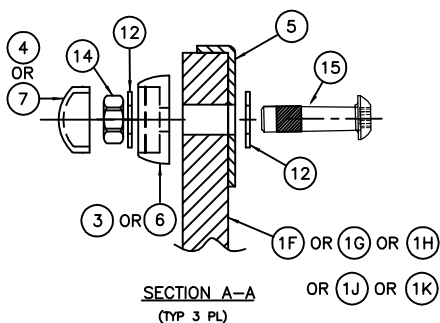
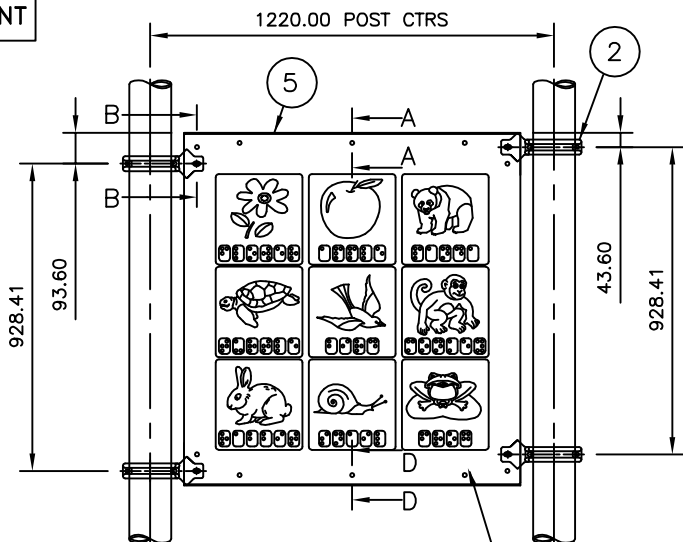


HDPE FUN PANELS F/KB

KB800031L

Sheet 2 of 2

POST MOUNT



NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS

KB BARN PANEL RED/WHT PTMT - 200202473

KB CLOCK BRAILLE PANEL PTMT - 200202332

KB PICTURE BRAILLE PANEL PTMT - 200202333

KB ELECTRONIC PIANO PANEL PTMT - 200203225

KB ELECTRONIC ANIMAL PANEL PTMT - 200203227

Item	Code	Description	Qty.
1F	200194611	PANEL BARN F/KB RED/WHT/RED PTMT	1
1G	-	PNL BRAILLE CLOCK KB PTMT	
1H	924697*	PNL BRAILLE PICTURE F/KB PTMT	
1J	999339*	ASSY ELECTRONIC PIANO PANEL KB	
1K	999336*	ASSY ELECTRONIC ANIMAL PANEL KB	
2	909257*	CLAMP WING F/KB (2001)	4
3	910918RED	CAP HARDWARE BASE	10
4	910917RED	CAP HARDWARE COVER	10
5	909893*	PLATE F/KB BARN PANEL	2
6	910918*	CAP HARDWARE BASE	10
7	910917*	CAP HARDWARE COVER	10
8B	HW185464-1	HRDW PKG KB BARN PANEL PTMT M1/1	1
9	HW2CLMPSET-1	HRDW PKG F/2SETS O/CLAMPS 1/1	2
10	923396	BIT, H5T HEX 5MM - 1/4" DRV F/ELEC PANEL	1

HDWR PKG KB BARN PANEL PTMT M1/1 - HW185464-1

Item	Code	Description	Qty.
11	200002133	BOLT M8 X 1.25 MALE 27.5MM	7
12	200002079	WASHER FLAT M11 23 X 12 X 1.6MM	20
13	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30MM	7
14	200001938	NUT HEX M10 X 1.50 SS	6
15	200097726	SCREW MACH BUTTONHEAD M10 X 1.5 X 38MM	6

HDWR PKG F/2SETS O/CLAMPS 1/1 - HW2CLMPSET-1

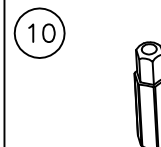
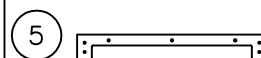
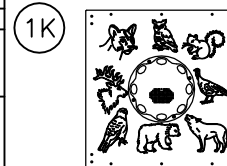
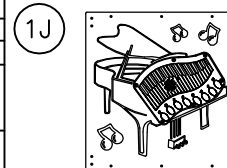
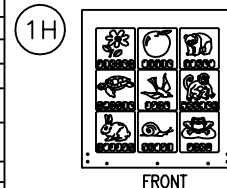
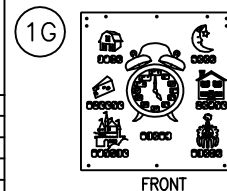
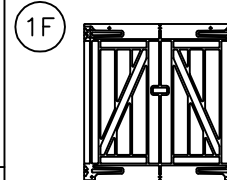
Item	Code	Description	Qty.
16	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	4
17	200000797	HAMMER DRIVE PIN 4.7 X 11.11MM	4
18	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	4

Note: An (*) by a part number (CODE) indicates: Color Code Required.

Installation Instructions (Post Mount)

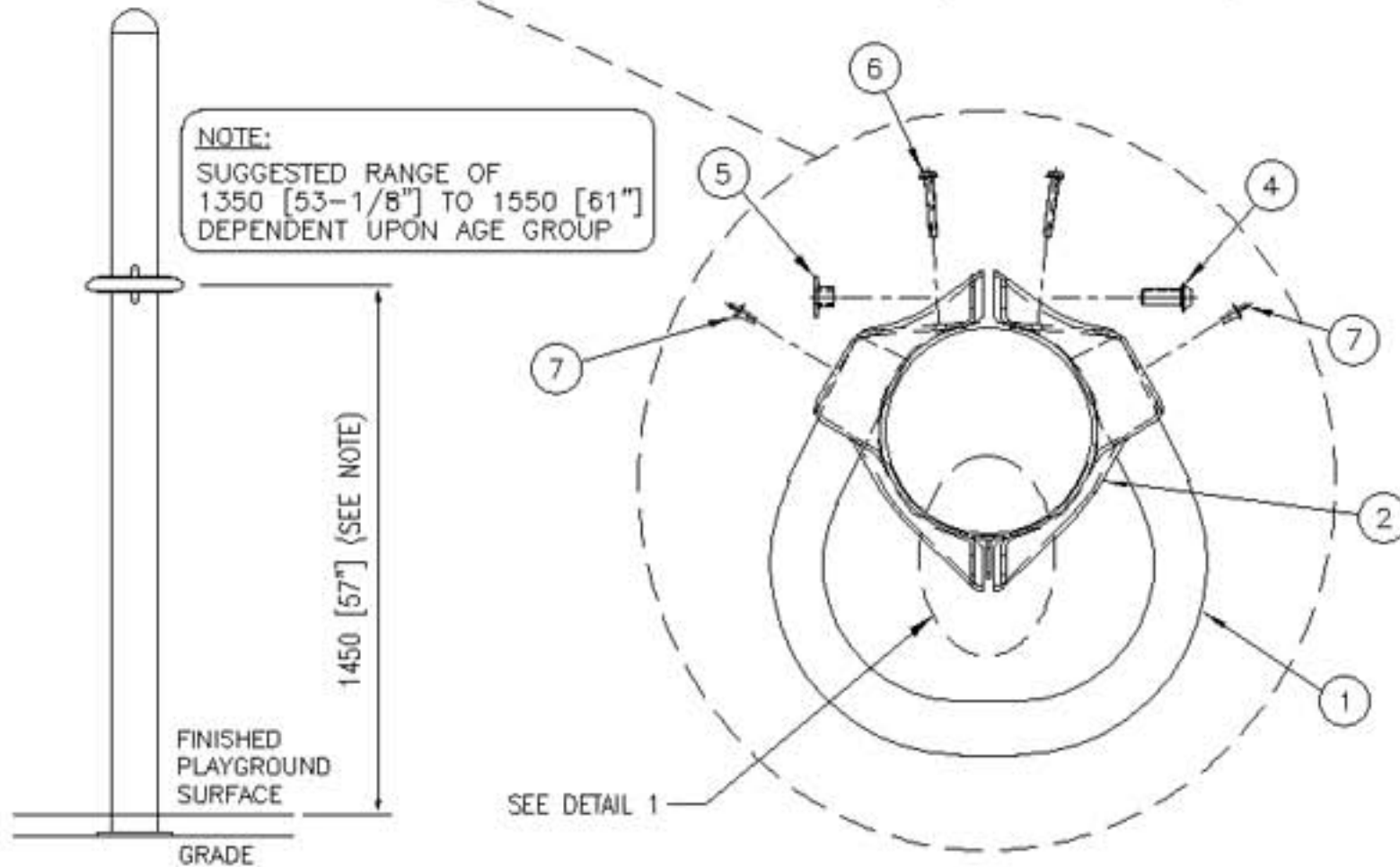
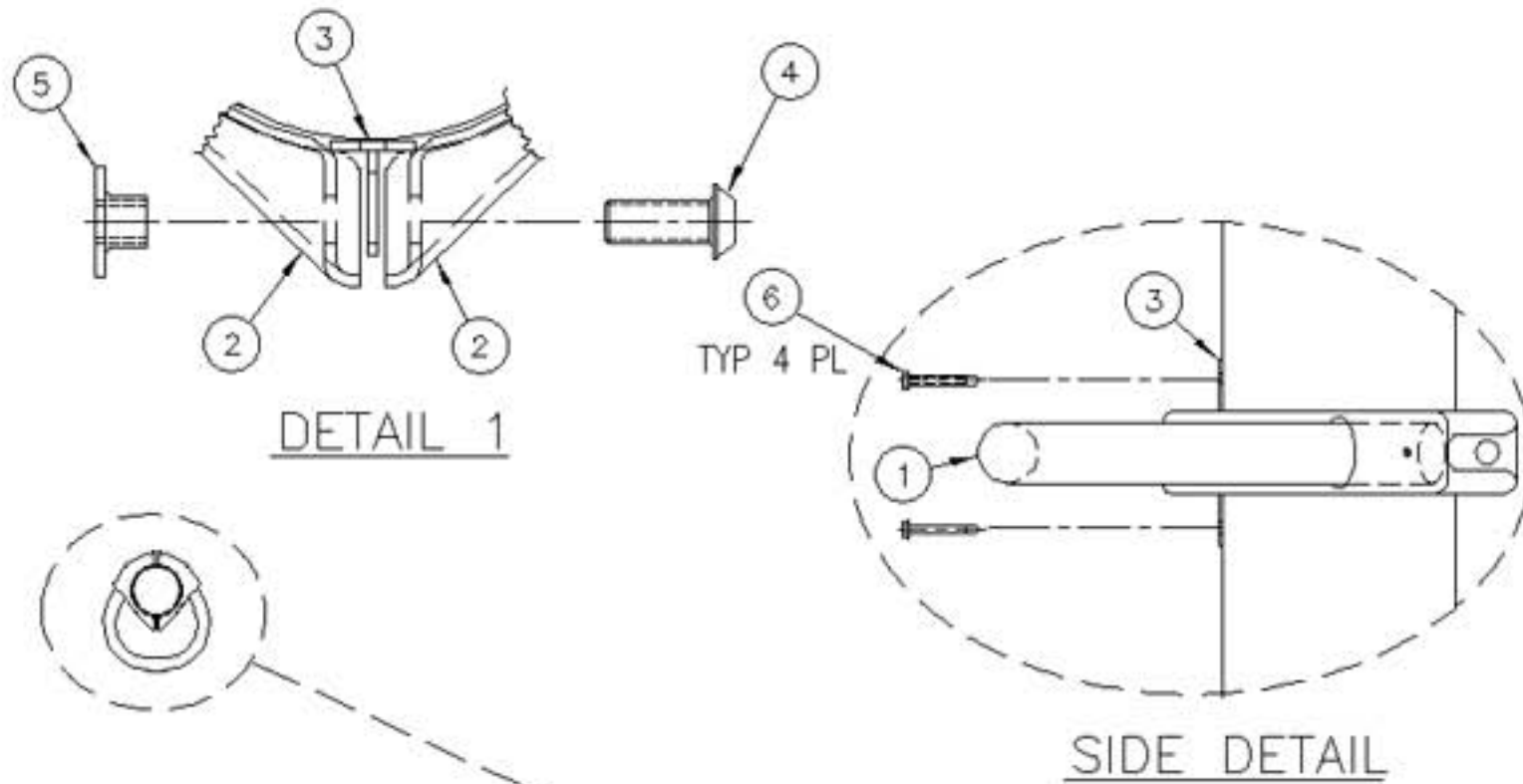
1. Loosely attach clamps (Item 2) to posts.
2. Attach plate (Item 5) to panel (Item 1F, 1G, 1H, 1J OR 1K) as shown in SECTIONS A-A and D-D.
3. Loosely attach panel (Item 1F, 1G, 1H, 1J OR 1K) and plate (Item 5) to clamps (Item 2) as shown in SECTION B-B.
4. For electronic panels (Item 1J and 1K), remove the battery cover using 5mm tamper proof hex bit (item 10) as shown in DETAIL 1, and insert three (3) "D" size alkaline batteries; replace cover.
5. Tighten all hardware.

AUTHORIZED BY: 14APR21
Tracy Archer





LEG LIFT F/KB



[NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS]

AUTHORIZED BY: 18JUN08

Shawn Slinkard

LEG LIFT F/KB

200079015
KB900020B
SHEET 1 OF 1

LEG LIFT 200079019

Item	Code	Description	Qty.
1	-	LEG LIFT LOOP	1
2	-	CLAMP HALF F/ LEG LIFT LOOP	2
3	-	MOUNTING TAB F/ LEG LIFT LOOP	1

HDWR BAG F/KB LEG LIFT 200079016

Item	Code	Description	Qty.
4	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
5	200001968	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	2
6	200001340	SELF DRILL S/S SCRW #10 X1-1/2	4
7	200000797	HAMMER DRIVE PIN 4.7 X 11.11mm	2

Specifications

LEG LIFT

MATERIAL: 33.4mm [1-5/16"] OD GALV. STEEL TUBING
COLOR: AS SELECTED FROM STD. COLOR SCHEME.
FINISH: POLYESTER DRY POWDER PAINT.

FASTENERS

FINISH: ALL EXPOSED HARDWARE SHALL BE STAINLESS STEEL (METRIC).

Maintenance

- CHECK ALL HARDWARE
- TOUCH UP ANY MARRED PAINT SURFACE
- MAINTAIN SURFACING

Application

- SIDE DETAIL.
- FOR GROUND LEVEL USE ONLY.

Installation Instructions

IMPORTANT: THIS COMPONENT HAS TO BE SLID OVER TOP OF POST. INSTALL PRIOR TO ANY COMPONENTS THAT USE CLAMPS ABOVE THIS COMPONENT.

1. SLIDE THE TWO CLAMP HALVES ONTO THE ENDS OF THE LOOP.
2. LOOSELY CONNECT THE CLAMP HALVES IN 2 PLACES. (IMPORTANT: THE MOUNTING PLATE SHOULD BE ASSEMBLED ON THE LOOP SIDE AS SHOWN IN DETAIL 1.)
3. SLIDE THE ASSEMBLY DOWN OVER THE POST.
4. ADJUST TO PROPER HEIGHT DESIRED AS SPECIFIED FROM THE SUGGESTED RANGE. LEVEL THE LOOP. TIGHTEN THE CLAMP FIRMLY TO THE POST.
5. ATTACH MOUNTING PLATE TO POST WITH THE SELF DRILLING SCREWS AS SHOWN
6. INSTALL SELF DRILLING SCREWS ON THE DECK SIDE OF THE CLAMPS AS SHOWN.
7. INSTALL HAMMER DRIVE PINS AS SHOWN.

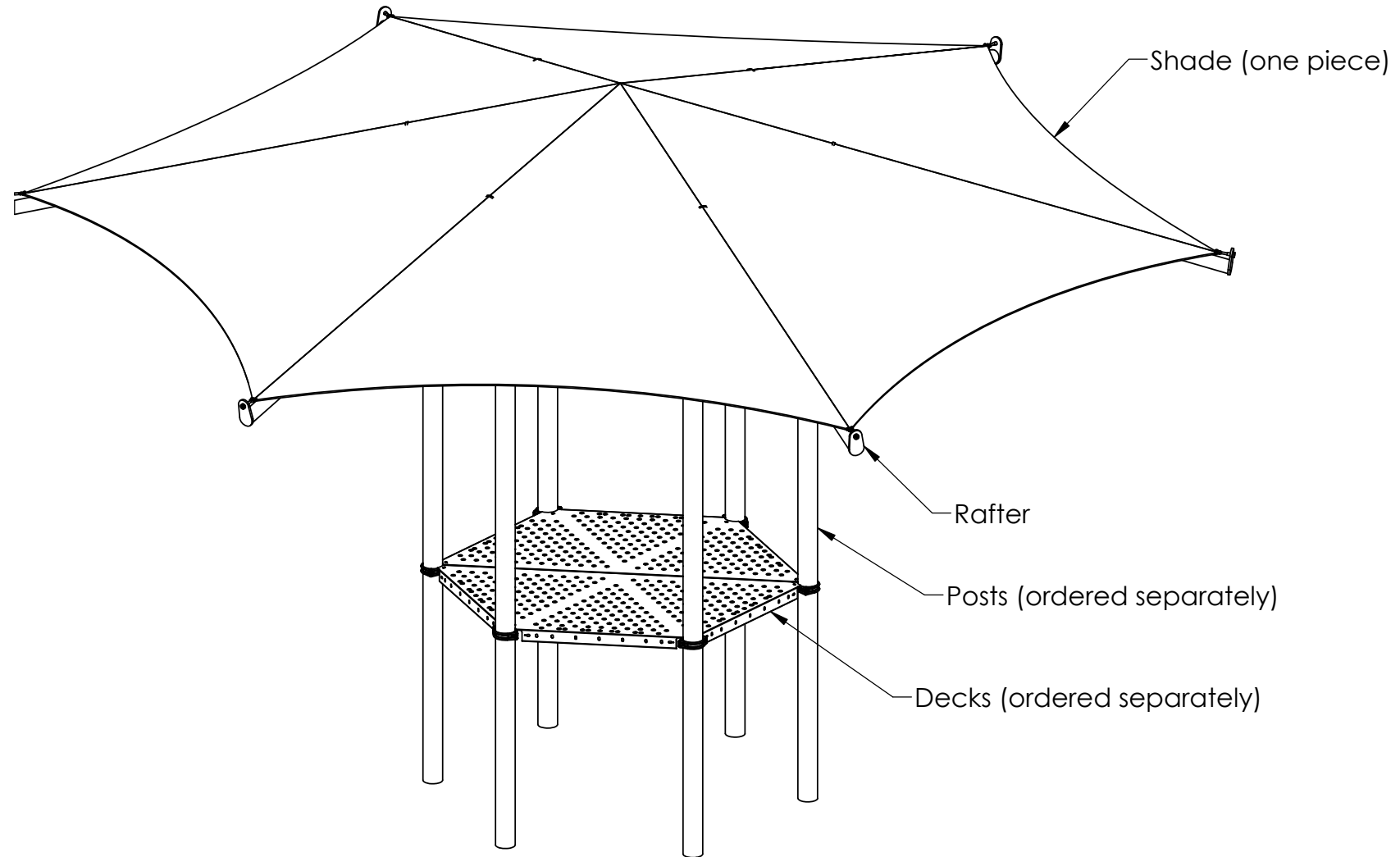
SHADEBUILDERS® - KB HEXAGON

KB900063D

SHEET 1 OF 9

AUTHORIZED BY: 10NOV21
Tracy Archer

200203141	KB	SHADE	17'	HEXAGON	PYRAMID	STANDARD	FABRIC
200203142	KB	SHADE	17'	HEXAGON	PYRAMID	FIRE RETARDANT	FABRIC
200203143	KB	SHADE	26'	HEXAGON	PYRAMID	STANDARD	FABRIC
200203144	KB	SHADE	26'	HEXAGON	PYRAMID	FIRE RETARDANT	FABRIC



NOTE: Height from deck to peak of shade is 12 feet 2 inches max.

BEFORE STARTING INSTALLATION OF YOUR LITTLE TIKES COMMERCIAL PRODUCT, "PLEASE READ INSTRUCTIONS THOROUGHLY"

This playevent is designed to suit a level site. Should there be any slopes on the site, care should be taken to accommodate the entry and exit points and to maintain the correct heights.

The site must be checked for adverse or unusual conditions. i.e.

- 1) Exposed, cracked or loose concrete footings.
- 2) Worn, scattered or compressed surface material.
- 3) Exposed roots, rocks or other environmental obstacles that form potential trip hazards.
- 4) Broken glass, refuse, or foreign objects around and on play equipment.
- 5) Poor drainage areas.
- 6) All sites especially those close to existing buildings must be checked for electrical or gas lines and drainage before digging.

As the owner, it is most important that you are aware of your responsibility for the safe use of your new play equipment. It is necessary to install equipment correctly according to the installation instructions provided and inspect the equipment regularly at intervals specified within the "Maintenance Manual," located in your maintenance kit. During inspection, if any part is found to be damaged or excessively worn, equipment should immediately be put out of service while the part is replaced. Lack of "maintenance" will result in premature wear, reduced life expectancy and possible failure.

All Little Tikes Commercial Play Systems playevents have been designed and engineered to meet all applicable safety guidelines, but if installed improperly, problems may occur such as: protruding hardware, entrapment gaps between 89mm [3-1/2"] to 229mm [9"], or string entanglements. Any accessible bolt ends that protrude beyond the face of the nut by more than two threads should be trimmed and peened smooth by the installer. Once your installation is complete, always inspect your work. Installation must be done to the manufacturer's assembly manual and applicable safety guidelines and/or standards.

The area immediately surrounding and above the play structure must be free of obstructions such as: buildings, trees, other play equipment, etc., and must be kept clear for entries, exits, traffic and falls. Make sure your site has the required surfacing and fall area designated on your Playground Layout Drawings.

ALL CHILDREN SHOULD BE SUPERVISED WHILE PLAYING ON EQUIPMENT.

ORDER OF ASSEMBLY:

1. Always read all instruction pages before starting the installation of your new shade topper structure.
2. The shade system may be used on a hex deck arrangement (shade post centers). Accurately mark the locations of the post footings (see footing layout for playground). This is your opportunity to check the orientation of the layout at your site and to make sure there is adequate area around the structure(s) for a fall zone.
3. If you are installing on a pre-poured concrete pad, the footings on page 9 will still need to be used.
4. Dig footing holes.
 - a. Make sure posts are centered and square before pouring concrete. (see footing details on sheet 9). (It is recommended to use a transit or laser to verify hole depth).
 - b. Pour piers for surface mount. (see footing details on sheet 9). Make sure all piers are level to each other. (It is recommended to use a transit or laser to verify hole depth).
5. Allow concrete to cure at least 48 hours before beginning the installation. **Caution:** Never leave the structure or site in potentially hazardous conditions, i.e. footing holes, exposed concrete etc, overnight without roping the area off and posting adequate warning signage.
6. Use the following order of operations to install the shade topper:
 - a) Footings for posts
 - b) Post topper to post
 - c) Crosspiece and rafter assembly (ON THE GROUND) or Use Alternate Installation instruction Page 5.
 - d) Lift crosspiece with rafters into place.
 - e) Secure rafters
 - f) Add the fabric
 - g) Tighten the Fabric
 - h) Tighten all bolts.
7. Cover the entire area under and around the structure with adequate resilient surfacing.

IMPORTANT:

SHADE STRUCTURES ARE DIFFERENT FROM TYPICAL PLAY STRUCTURES. IT IS NECESSARY TO BE PREPARED TO SAFELY HANDLE THE TALLER STRUCTURES. IT IS RECOMMENDED THAT YOU HAVE A TALL LADDER (SELF SUPPORTING), A MAN LIFT OR SCAFFOLDING WOULD BE EVEN BETTER.

**** ASSISTANCE FROM MACHINERY CAPABLE OF LIFTING 600LBS AND MOVING INTO POSITION ON PLAYGROUND POSTS WILL BE REQUIRED.****
IN ALL CASES TAKE YOUR TIME AND BE SAFE.

Installation Instructions

1. Install posts using the footings as shown on sheet 9. Be sure to use the proper surface mount or inground footings for the shade cover. The post locations will be determined by the deck size - refer to the playground footing layout drawing. Be sure that the posts are level and square before pouring concrete. Having the deck in place will help to keep the posts in position.

2. Allow concrete in footings to cure properly. Place post toppers (ITEM 2) on the posts as shown in DETAIL 1 so that the high side of the plate is toward the center of the six posts (see DETAIL 4).

3. Assemble the six rafters (ITEM 4) to the Crosspiece (ITEM 3) as shown in DETAIL 1. Orient the rafter so that the end plate is vertical, with the hole uppermost (see DETAIL 6). Install one self drilling screw (ITEM 8) in the crosspiece to hold each rafter in position as shown in DETAIL 3.

5. Lift the rafter assembly into position on the post toppers and attach to post toppers as shown in DETAIL 4. Use loctite on the U-bolts and barrel nut. Be sure to have the center of the crosspiece in-line with the center of the six posts.

6. Put self drilling screws (ITEM 8) through the holes in the Post topper to hold it to the post as shown in DETAIL 5.

7. Thread 1/2" nut (item 14) onto jaw end (item 6). Then attach the shade fabric (item 1) to the rafter end plates (ITEM 4) as shown in DETAIL 6.

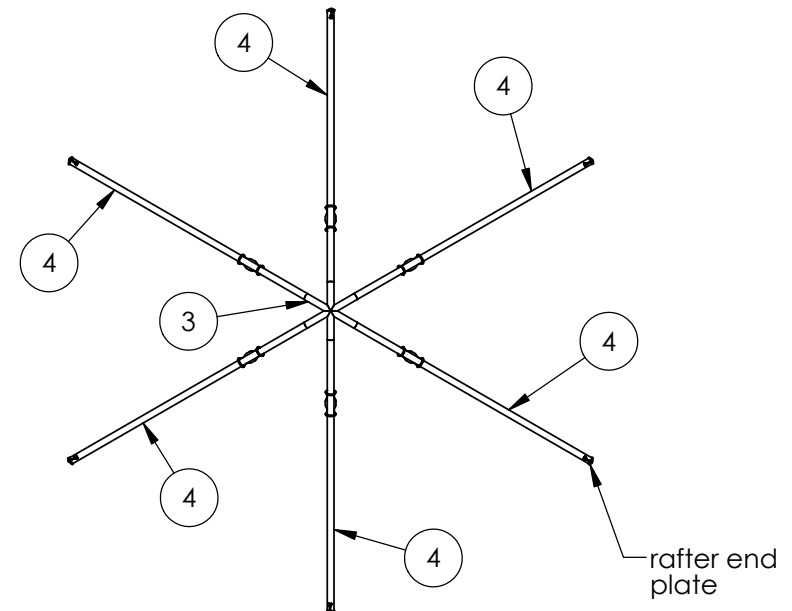
8. Tighten the couple nut (ITEM 10) on opposite sides, not in a circular pattern. Then screw 1/2" nut (item 14) back down until flush and tight against rafter (item 4).

PARTS LIST

Item	Code	Description	Qty.
1	-	FABRIC HEXAGON PYRAMID SHADE	1
2	-	POST TOPPER	6
3	-	CROSSPIECE TOP	1
4	-	RAFTER	6
998020 HARDWARE BAG			
5	998013	U-BOLT FLAT M10 X 1.5	12
6	998014	JAW END T.B. (RH) 1/2" X 6"	6
7	998015	DELTA QUICK LINK 5/16"	6
8	300002750	SCREW T-27 TORX ROUND WASHER HD	18
9	200001954	BARREL NUT M10 X 1.50 (12.70 DIA X 32MM)	24
10	998198	2-3/8" x 1/2"-13UNC BARREL NUT	6
11	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM	6
12	200002133	BOLT M8 X 1.25 MALE 27.5 MM	6
13	80342	WASHER 3/4"	6
14	110060	NUT 1/2-13 HEX 18-8 SS	6

Application

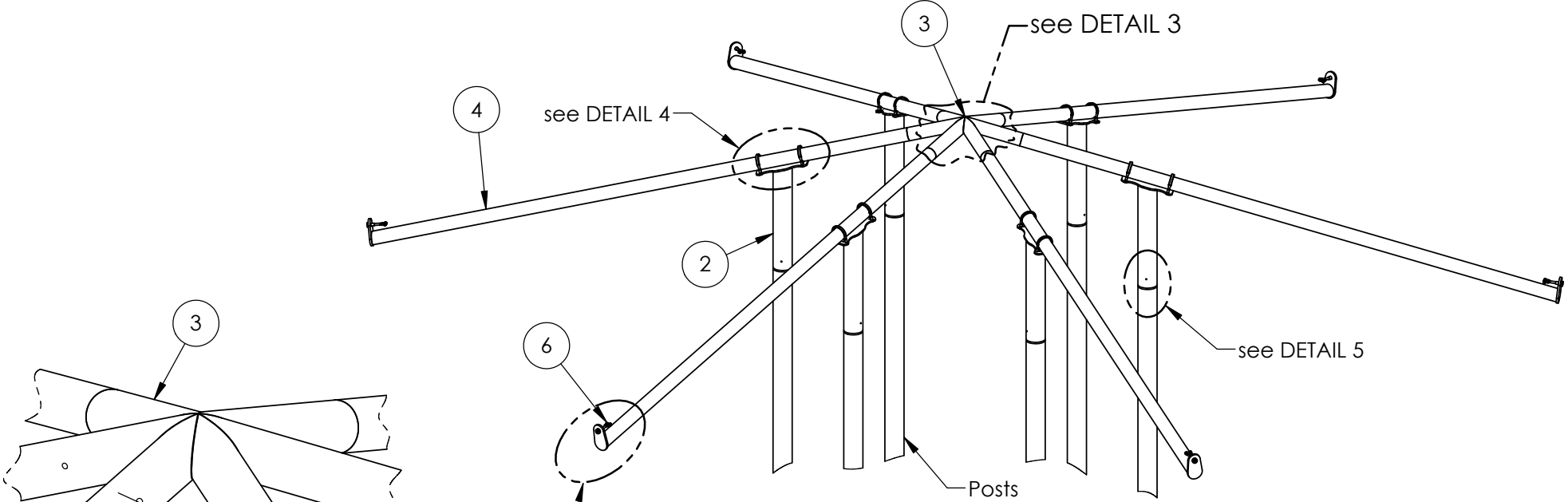
- Integrated shade with playgrounds.
- Surface mount and Inground mount available
- Always used with a deck



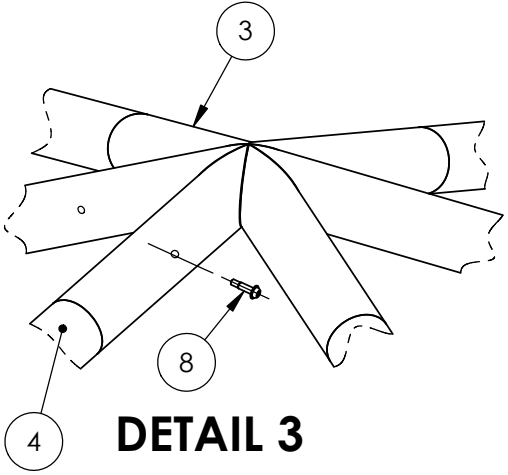
DETAIL 2 (top view)

ALTERNATE Installation Instructions

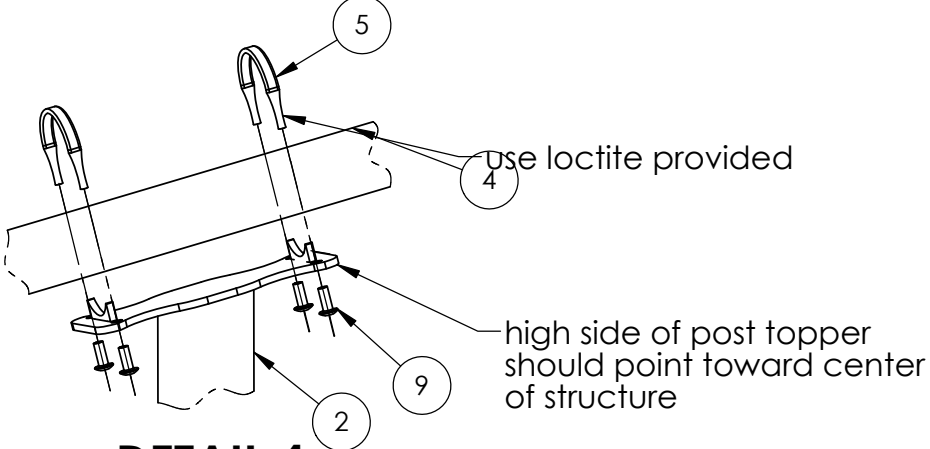
1. Install posts using the footings as shown on sheet 9. Be sure to use the proper surface mount or inground footings. The post locations will be determined by the deck size - refer to the playground footing layout drawing. Be sure that the posts are level and square before pouring concrete. Having the deck in place will help to keep the posts in position.
2. Allow concrete in footings to cure properly. Place post toppers (ITEM 2) on the posts as shown in DETAIL 1 so that the high side of the plate is toward the center of the six posts (see DETAIL 4).
3. Place one of the six rafters (ITEM 4) onto post topper (do not permanently secure) and put the Crosspiece (ITEM 3) on as shown in DETAIL 1. Measure the distance from the edge of Post Topper plate to edge of cross piece (where rafter swaged end goes into the crosspiece).
4. Attach a second rafter into the cross piece and onto the post topper directly across from first rafter. Once Dimensions are the same, Orient the rafter so that the end plate is vertical, with the hole uppermost (see DETAIL 6), Temporarily secure both rafters with one U-bolt (item 5) each. See Detail 4.
5. Attach the 3rd, 4th, 5th, and 6th rafter in the same manner, verify dimensions and secure via one U-bolt.
6. Once the correct rafter end plate orientation has been verified attach all U-bolts and tighten (see DETAIL 6).
7. Install self drilling screws (ITEM 8) in the crosspiece to hold each rafter in position as shown in DETAIL 3.
8. Put self drilling screws (ITEM 8) through the holes in the Post topper to hold it to the post as shown in DETAIL 5.
9. Thread 1/2" nut (item 14) onto jaw end (item 6). Then attach the shade fabric (item 1) to the rafter end plates (ITEM 4) as shown in DETAIL 6.
10. Tighten the couple nut (ITEM 10) on opposite sides, not in a circular pattern. Then screw 1/2" nut (item 14) back down until flush and tight against rafter (item 4).



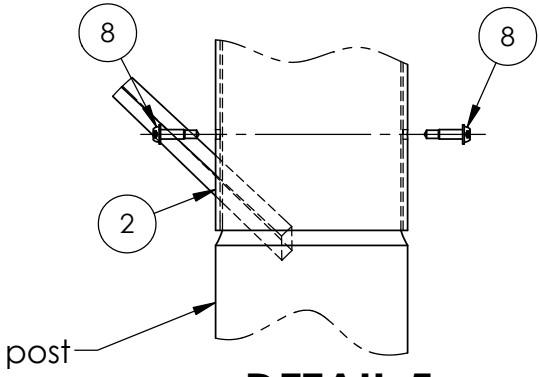
DETAIL 1
(shown with fabric removed)



DETAIL 3



DETAIL 4
Typ 6 Places



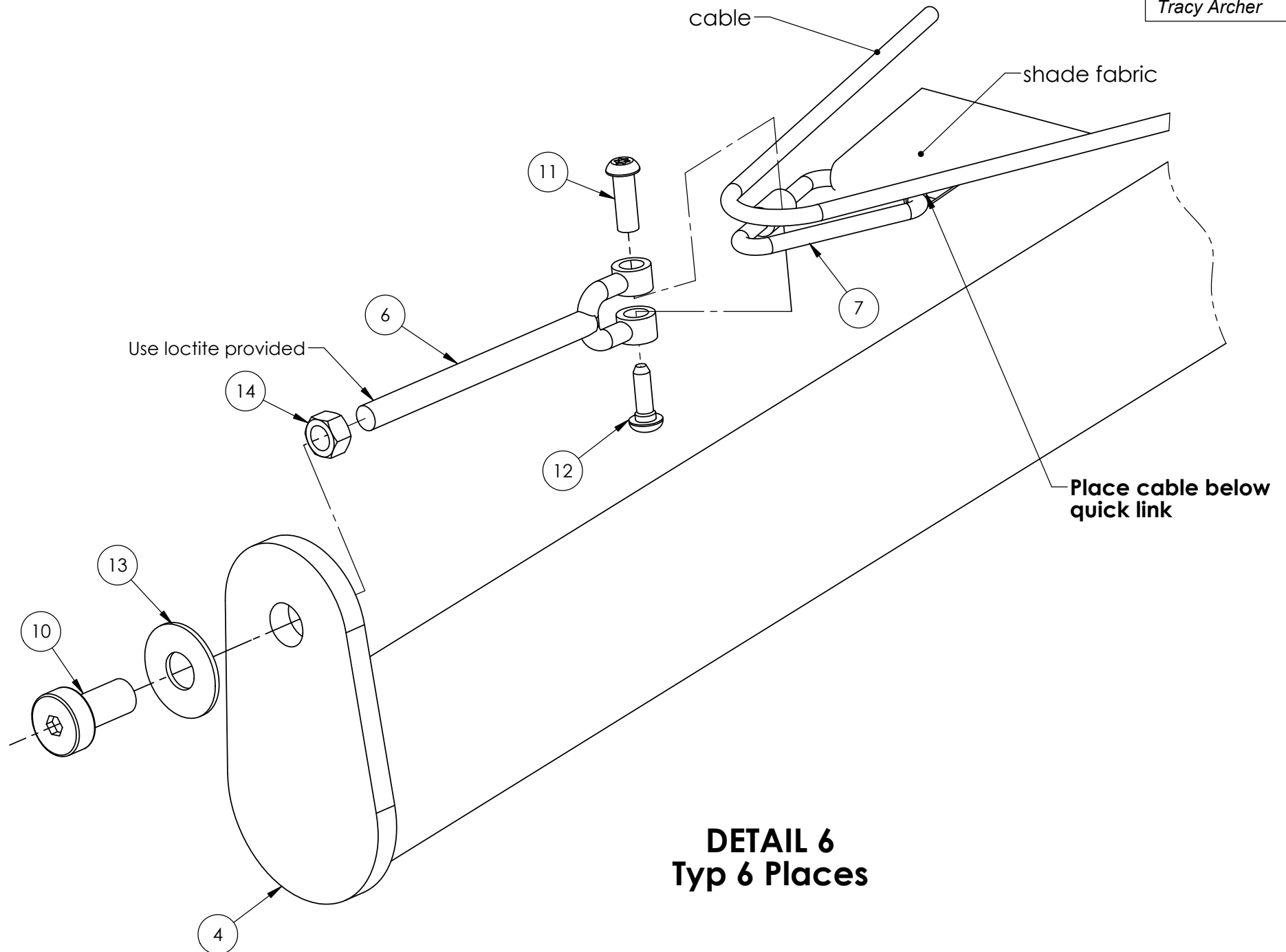
DETAIL 5
Typ 6 Places

SHADEBUILDERS® - KB HEXAGON

KB900063D

SHEET 7 OF 9

AUTHORIZED BY: 10NOV21
Tracy Archer

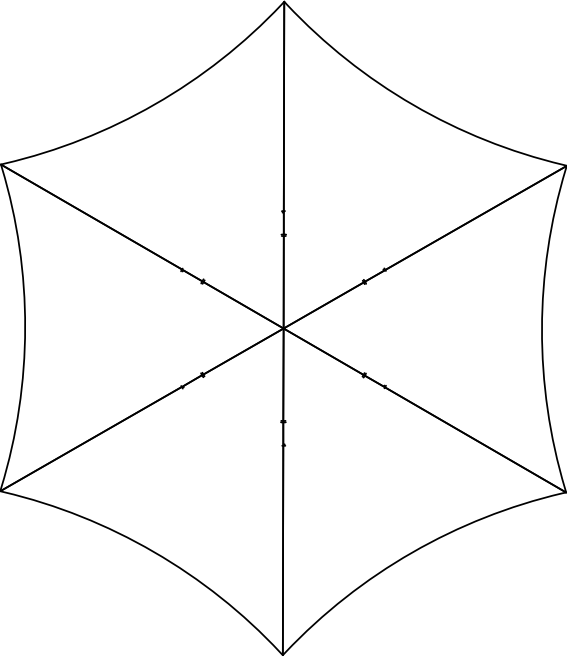


SHADEBUILDERS® - KB HEXAGON

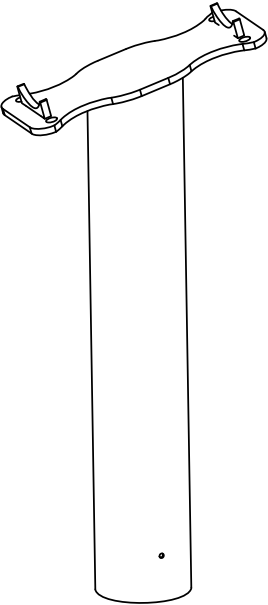
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SHEET 8 OF 9

AUTHORIZED BY: 10NOV21
Tracy Archer

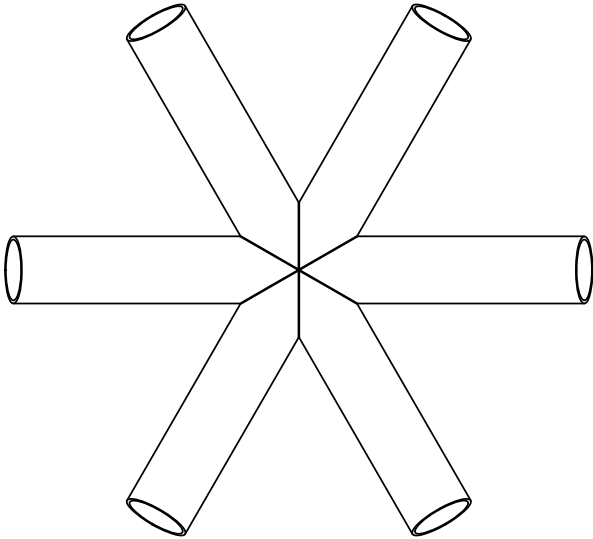
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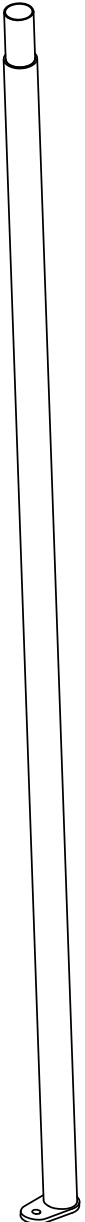
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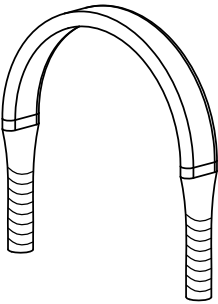
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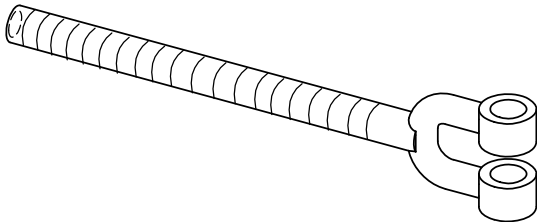
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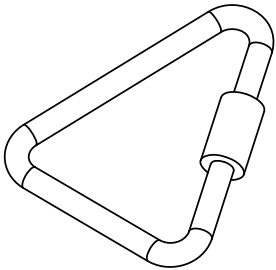
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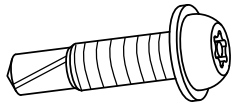
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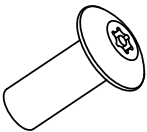
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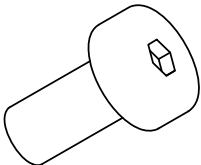
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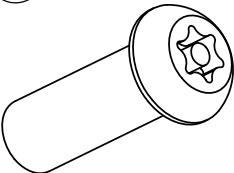
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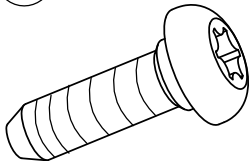
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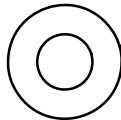
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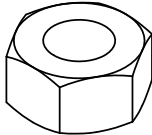
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13

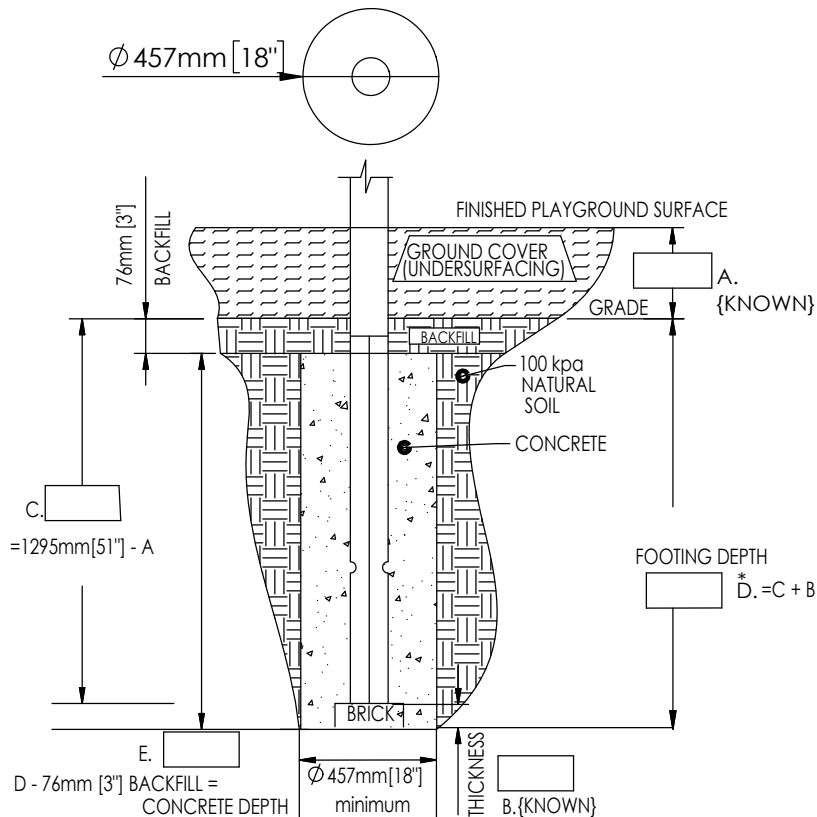


14



1. COMPLETE THE CALCULATION SHEET BELOW (FILL IN BLOCKS A THRU E)
2. FOOTING SIZE MAY VARY DUE TO LOCAL SOIL AND WEATHER CONDITIONS.
3. BASE OF FOOTING MUST BE BELOW FROST LINE.

- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C. 1295mm[51"] - A BECAUSE A + C SHOULD ALWAYS EQUAL 1295mm[51"]
- D. FOOTING DEPTH = [C] + BRICK THICKNESS.
*MINIMUM 610mm[24"] + BRICK THICKNESS
FOOTING DEPTH REQUIRED
- E. CONCRETE DEPTH = FOOTING DEPTH [D] - 76mm[3"] (BACKFILL).

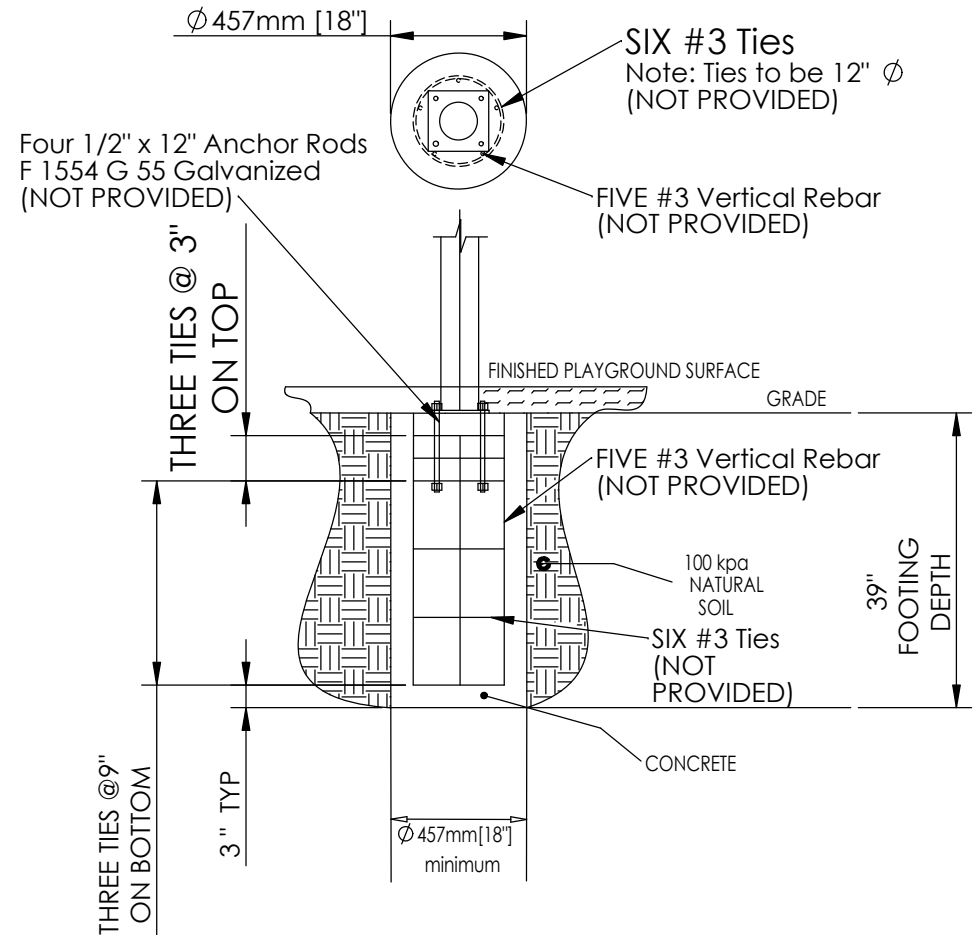


INGROUND POST, LOOSE FILL

FOOTING DETAIL

Installer must check for site-specific and/or job-specific sealed drawings prior to commencing footing installation.

Note: An Equivalent Epoxy Anchor system may be substituted



SURFACE MOUNT POST

HOW MUCH CONCRETE?

VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:

$$= 0.067 \text{ M}^3 \times \left\{ \frac{\text{CONCRETE DEPTH (mm)}}{915} \right\} \times \text{No. OF FOOTING HOLES} = \text{M}^3$$

$$= 0.087 \text{ Yard}^3 \times \left\{ \frac{\text{CONCRETE DEPTH (IN)}}{36} \right\} \times \text{No. OF FOOTING HOLES} = \text{Yard}^3$$

NOTES: - TO CALCULATE CUBIC FEET, MULTIPLY CUBIC YARD BY 27
- 94 lbs OF CONCRETE = 1 CUBIC FOOT.



Project Number: R0341250025

PlayArea: PlayArea_2 | Traditional Play

Project Name:

Project Location:

Sales Representative:

Pacific Park and Play
PO Box 1909
Huntington Beach, CA 92647
(714)846-4885
(714)8463485

Installation Instructions

Please, read all information in this manual
before starting to install your equipment.

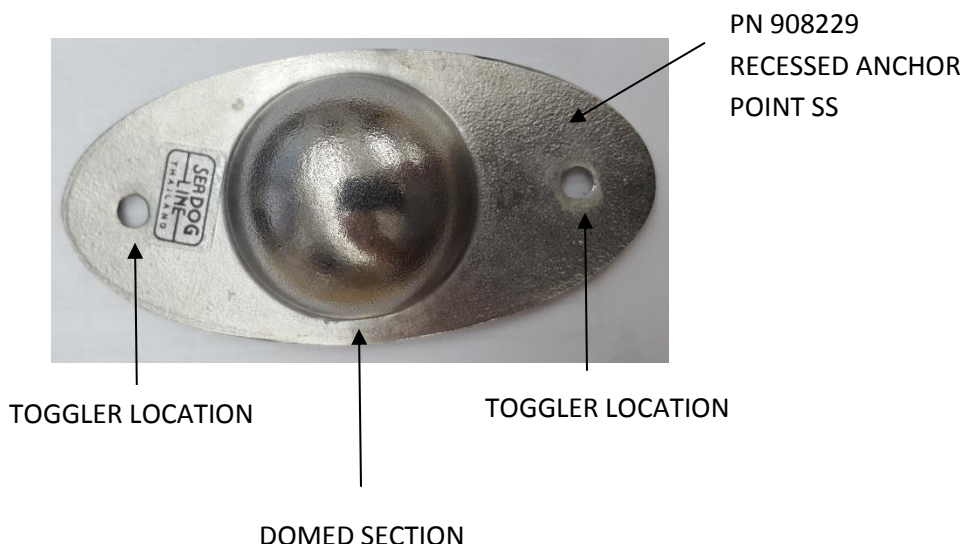
Date: 2/6/2025 12:00:00 AM



Installation of 912358 - Inclusive 3-Point Harness W/HDWR

There are three (3) recesses molded into the seat for placement of the optional harness. The harness will need to be installed as shown below.

Step 1: Use the recessed anchor point to mark three (3) holes: two (2) for the togglers and one (1) for the large domed section of the anchor.

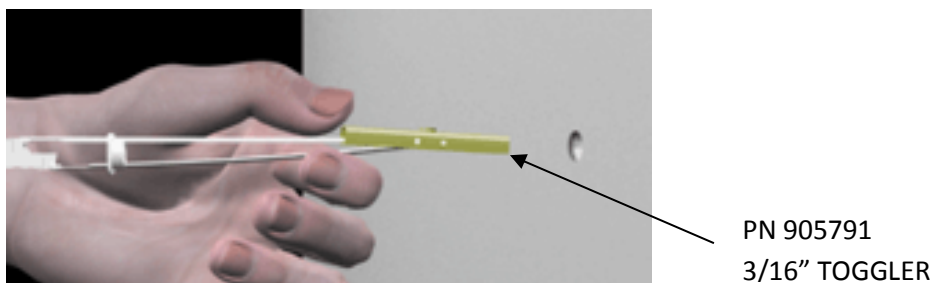


Step 2: Using the two (2) marked toggler locations, drill a hole large enough to fit the plastic toggler through, approximately 1/2".

Step 3: Using the marked domed section location, drill a hole large enough for the recessed anchor point to sit flush on the part, approximately 1-5/8".

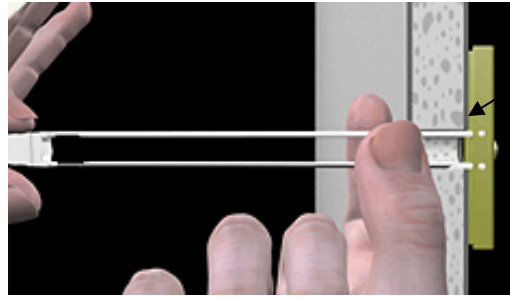
Step 4: Install the toggler:

- a. Hold metal channel flat alongside plastic straps and slide channel through hole.



Step 4: Install the toggler cont.:

- b. Hold ends of straps between thumb and forefinger and pull toward you until channel rests flush behind wall. Slide plastic cap along straps with other hand until flange of cap is flush with part.



PN 905791
3/16" TOGGLER

- c. Snap strap at wall by pushing side to side. Snap off straps level with flange cap.



PN 905791
3/16" TOGGLER

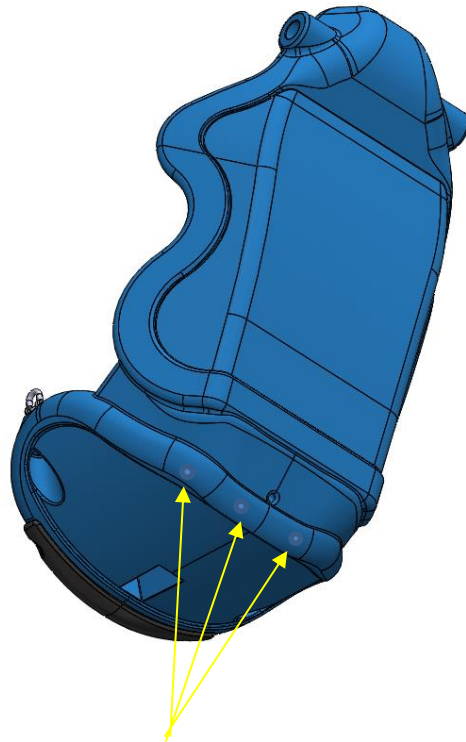
Step 5: Place recessed anchor (PN 908229) over the appropriate holes and screw tight using the provided bolts (PN 304268).

Step 6: Attach the 3-point harness using the swivel spring snaps.

PN 999225
CUSTOM HARNESS



Step 7: Drill three (3) weep holes, 3/16" dia., on the bottom-side of the swing seat to allow for water drainage. Approximate locations shown.



3/16" DIA
WEEP HOLES

Parts List:

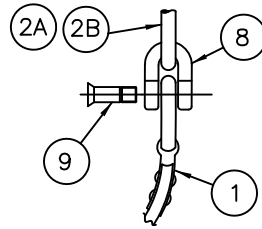
#	912358	Inclusive 3-Point Harness w/Hardware	Qty.
1	999225	Inclusive 3-Point Harness	1
2	912359	Hardware Bag for Harness	1
3	905791	3/16" Toggler	6
4	304268	10-24X1 FH Socket Cap Screw	6
5	908229	Recessed Anchor Point SS	3

BELT SWING SEAT

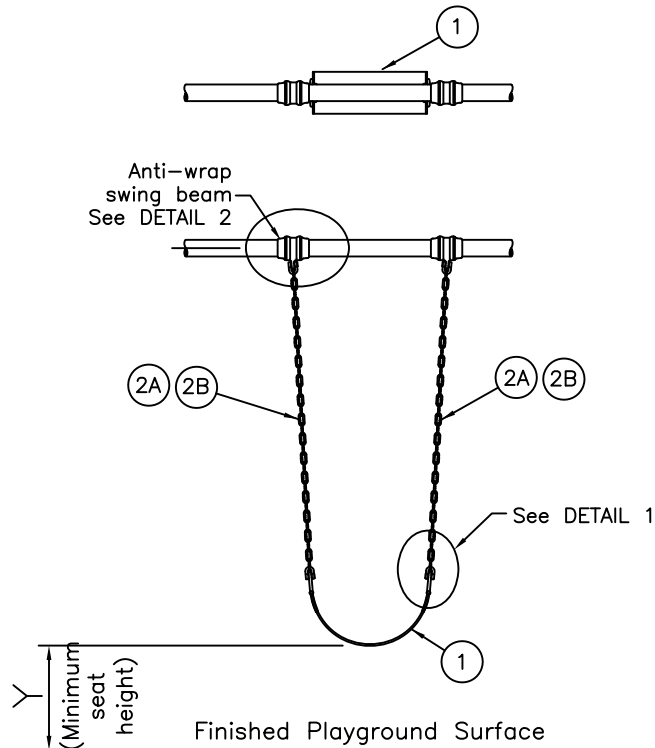
I800039C

Sheet 1 of 2

AUTHORIZED BY: 17APR19
Steve Adkins



DETAIL 1
Typ 2 Places



NOTE:

1. MINIMUM SEAT HEIGHT TO BE 12 INCHES.

ASSEMBLY BELT SEAT F/8' SWING W/CHAIN - 200202835
ASSEMBLY BELT SEAT F/10' SWING W/CHAIN - 200202832

Item	Code	Description	Qty.
1	999604*	BELT SWING SEAT, SLASH PROOF - NO LOGO	1
2A	200187286	CHAIN F/8' TOP RAIL BELT/DURAGLIDE (71")	1
2B	200187287	CHAIN F/10' TOP RAIL BELT/DURAGLIDE (95")	1
3	200189491	HDWR BAG LBL/INST.F/BELT SWG CSA	1
4	200189492	HDWR BAG LBL/INST.F/BELT SWG 8' BEAM US	1
5	200189493	HDWR BAG LBL/INST.F/BELT SWG 10' BEAM US	1
6	200001167	T-45 TAMPER PROOF KEY (TORX WRENCH)	1
7	HW35993-02	HRDW PKG 2 SM D STY SKL ST S1/1	1

HRDW PKG 2 SM D STY SKL ST S1/1 - HW35993-02

Item	Code	Description	Qty.
8	200035993	SHACKLE "D" STYLE 41MM 300 SS (SMALL)	2
9	200035994	BOLT M10 X 1.5 X 27MM 300 SS 6-LOBE (SM)	2

Application

- For age groups 2-12 years.

Maintenance

- Check all hardware
- Touch up any marred paint surface
- Refer to maintenance kit.
- Check chain and seat for wear

Specifications

CHAINS

MATERIAL: 4/0 chain link hot dipped galvanized

BELT SEAT

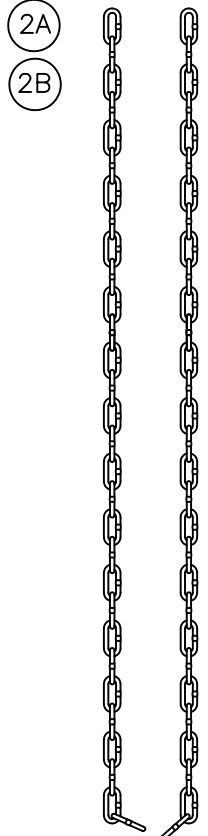
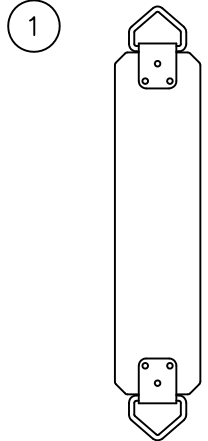
MATERIAL: Rubber with a tempered steel insert molded inside

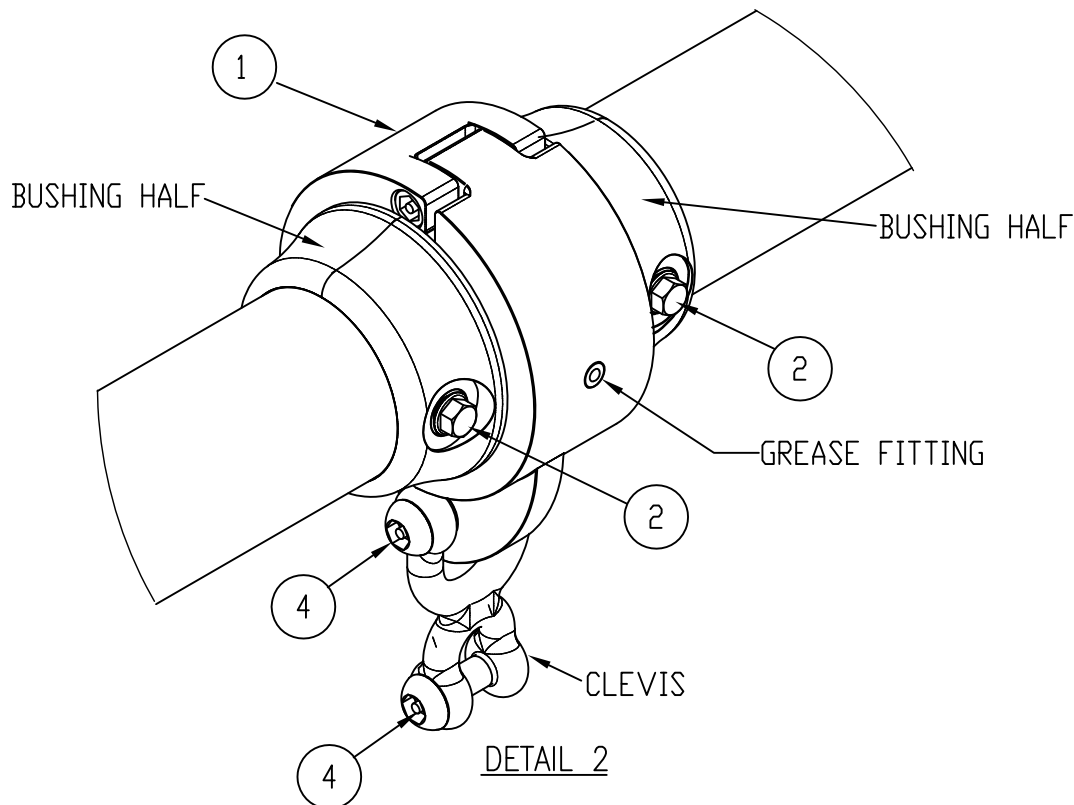
Installation Instructions

1. Attach chains and hangers to beam as shown in DETAIL 2, Sheet 2.
2. Determine seat height and trim chains accordingly.
3. Attach swing seat to chains as shown in DETAIL 1.

NOTES:

1. See separate instruction for swing frame installation.





994824 - (2) ANTI WRAP HANGER 2 3/8" TOP RAIL PARTS

Item	Code	Description	Qty.
1	102421	ANIT-WRAP SWING HANGER 2 3/8" TOP RAIL	2
2	104403	BOLT 1/4-14 X 1 1/4 HEX WASHER TEK	8
3	102424	5/16" HEX BIT W/HOLE (TAMPER RESISTANT)	1
4	SP2008898	LOCTITE 271 RED, .02 OZ (.5ML) DISP TUBE	1

NOTE: DISCARD TEK SCREWS THAT COME WITH THE 102421 KIT AND USE (ITEM 2).

Installation Instructions

STEP 1 – REMOVE THE BOLT FROM THE CLEVIS AND SET THE BOLT ASIDE.

STEP 2 – OPEN THE HANGER ASSEMBLY (ITEM 1) AND REMOVE THE BUSHING HALVES. CENTER ONE (1) OF THE BUSHING HALVES ON TO THE BEAM USING THE HANGER LAYOUT FOR LOCATION, SHEET 3. ATTACH USING TWO (2) OF BOLTS (ITEM 2).

STEP 3 – REPEAT WITH THE OTHER BUSHING HALF. NOTE THAT THE BUSHING HALVES WILL NOT COMPLETELY MATE ON THE SWING BEAM. ALIGN THE TABS WITH THE NOTCHES AND ENSURE THE GAP BETWEEN THE BUSHING HALVES IS EQUAL ON BOTH SIDES OF THE SWING BEAM.

STEP 4 – PLACE THE HANGER ASSEMBLY (ITEM 1) AROUND THE BUSHING HALVES.

STEP 5 – APPLY LOCTITE (ITEM 4) TO THE END OF THE BOLT THAT WAS SET ASIDE IN STEP 1. ATTACH THE CLEVIS BACK TO THE HANGER ASSEMBLY (ITEM 1) USING THAT BOLT.

STEP 6 – ATTACH THE CHAIN TO THE BOTTOM OF THE CLEVIS USING THE BOLT THAT CAME WITH (ITEM 1). APPLY LOCTITE (ITEM 4) TO THE END OF THE BOLT BEFORE INSERTING INTO CLEVIS. TIGHTEN ALL HARDWARE.

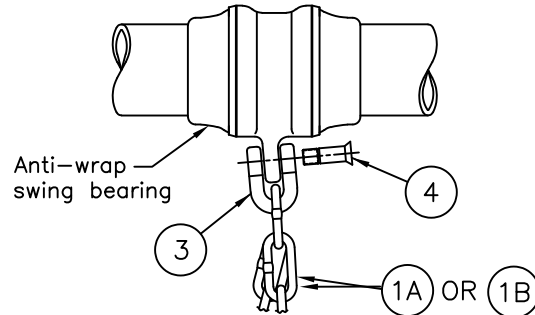
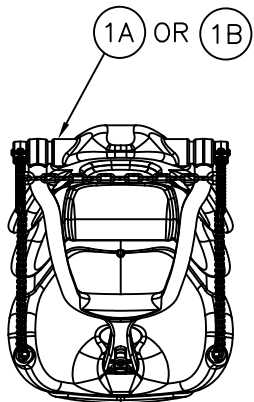
STEP 7 – USING A GREASE GUN, PLACE A SUFFICIENT AMOUNT OF ALL-PURPOSE GREASE INTO THE GREASE FITTING TO ALLOW THE HANGER TO SWING FREELY.

INCLUSIVE SWING SEAT

I800042G

Sheet 1 of 2

AUTHORIZED BY: 24APR23
Kathy Semoni



DETAIL 1
Typ 2 Places



1A OR 1B

(Minimum
seat height)

Y

Finished Playground Surface

1A OR 1B



INCLUSIVE SWING SEAT W/CHAINS, 8FT - 200203433
INCLUSIVE SWING SEAT W/CHAINS, 10FT - 200203434

Item	Code	Description	Qty.
1A	925289*	INCLUSIVE RACING SEAT 8FT ASSEMBLY	1
1B	925288*	INCLUSIVE RACING SEAT 10FT ASSEMBLY	1
2	HW147909-1	HRDW PKG INCL SWING SEAT S1/1	1

HRDW PKG INCL SWING SEAT S1/1 - HW147909-1

Item	Code	Description	Qty.
3	200035993	SHACKLE "D" STYLE 41 MM 300 S.S.(SMALL)	2
4	200035994	BOLT M10 X 1.5 X 27 MM 300 SS 6-LOBE(SM)	2
5	200001167	T-45 TAMPER PROOF KEY (TORX WRENCH)	1

Note: An (*) by a part number (CODE) indicates: Color Code Required.

Maintenance

- Check all hardware
- Touch up any marred paint surface
- Refer to maintenance kits below
- Check chain and seat for wear.
- See Replacement Kits above for 8FT and 10FT.

INCL SWG SEAT RES REPLACMEMENT KIT - 923422

Code	Description	Qty.
304262	YOKE FRICTION SPACER	4
200097726	SCREW MACH BUTTONHEAD M10 X 1.5 X 38MM	2

REPLACEMENT LATCH F/INCL SWG SEAT - 925297

Code	Description	Qty.
906478	LATCH LOCATOR SLEEVE	1
925298	LATCH GRIP ROUND	1
925294	LATCH FRONT PLATE LONG	1
906499	LATCH SPRING PLATE	1
906500	LATCH CYLINDER	1
925295	LATCH BACKING PLATE LONG	1
925296	LATCH COMPRESSION SPRING 1.63" LONG	1
200002010	SCREW MACH BUTTONHEAD M10 X 1.5 X 16MM	1
200097726	SCREW MACH BUTTONHEAD M10 X 1.5 X 38MM	1

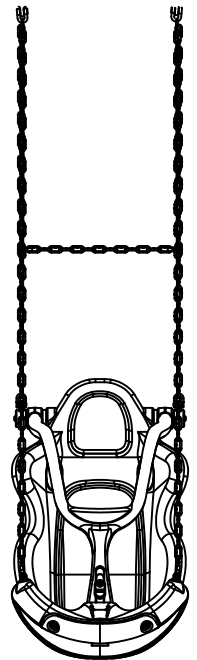
HDWR BAG F/INCL SWING SEAT 8FT TOP RAIL - 902841

Code	Description	Qty.
906502	INCLUSIVE SWING CHAIN 1, 34 LINKS F/8FT	2
906118	INCLUSIVE SWING CHAIN 2, 50 LINKS F/8FT	2
903699	INCLUSIVE SWING CHAIN 3, 13 LINKS	1
200035993	SHACKLE "D" STYLE 41MM 300 S.S. (SMALL)	6
200035994	BOLT M10 X 1.5 X 27MM 300 SS 6-LOBE(SM)	6

HDWR BAG F/INCL SWING SEAT 10FT TOP RAIL - 902840

Code	Description	Qty.
903695	INCLUSIVE SWING CHAIN 1, 52 LINKS F/10FT	2
903694	INCLUSIVE SWING CHAIN 2, 68 LINKS F/10FT	2
903699	INCLUSIVE SWING CHAIN 3, 13 LINKS	1
200035993	SHACKLE "D" STYLE 41MM 300 S.S. (SMALL)	6
200035994	BOLT M10 X 1.5 X 27MM 300 SS 6-LOBE(SM)	6

1A OR 1B



Installation Instructions

1. Attach chains to beam as shown in DETAIL 1.
2. Determine seat height and trim chains accordingly.
3. See sheet 2 for yoke friction information.

NOTES:

1. See separate instruction for swing frame installation.

NOTE:

1. MINIMUM SEAT HEIGHT TO BE 12 INCHES

*****IMPORTANT NOTES*****

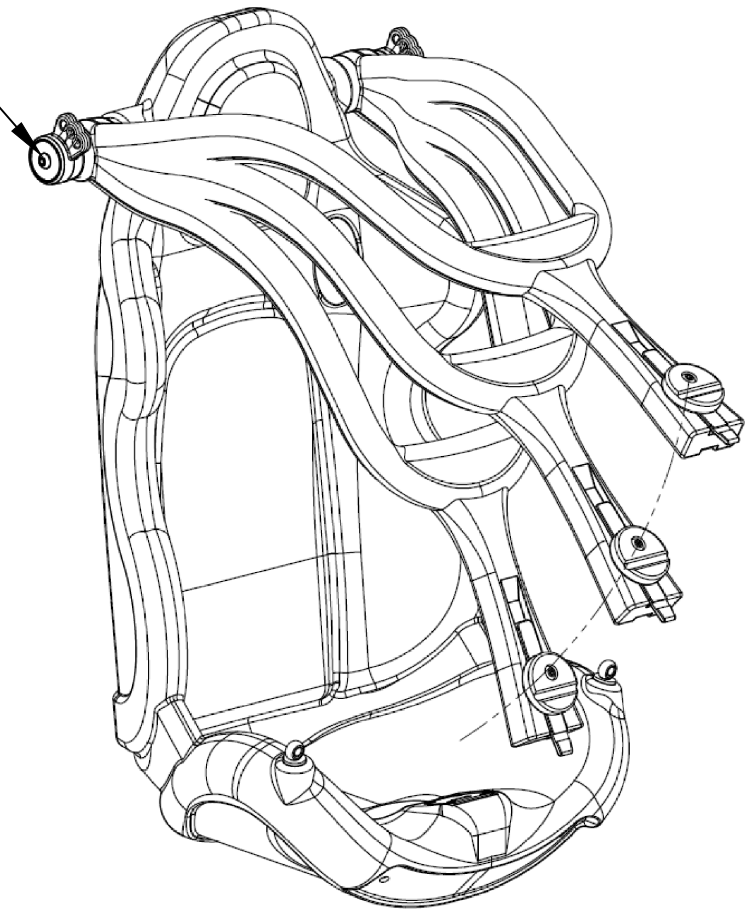
1. After assembly is complete and seat is hanging from top rail, verify that the friction in yoke allows it to maintain its position regardless of where it is in its range of motion or whether user load is present.

2. If yoke does not maintain its position as specified in step 1 above, two new factory supplied bolts with pre-applied threadlocker (P/N 200097726 Screw Mach Buttonhead M10 x 1.5 x 38mm) must be ordered and installed or threadlocker (P/N 102423 Tube 2ml Blue Threadlocker Vibra-Tite 12102, or equivalent) must be applied to two existing bolts. Tighten the M10 screw mach buttonhead, quantity 2, until desired results are achieved.

3. Friction must be checked and adjusted as needed per steps 1 and 2 above, as part of customer-established periodic maintenance program, at a minimum on a quarterly basis.

4. Verify latch sits flush with yoke when compressed.

M10 SCREW MACH
BUTTONHEAD
QTY 2
(1 ON EACH END)

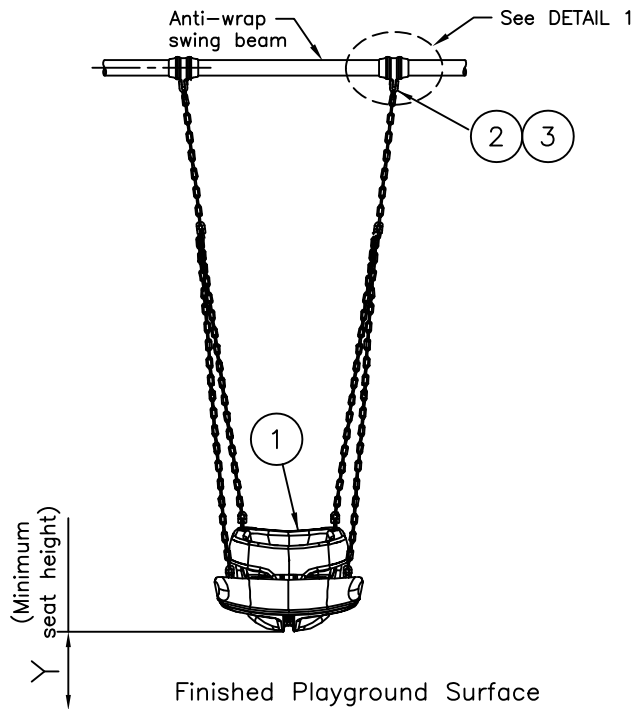
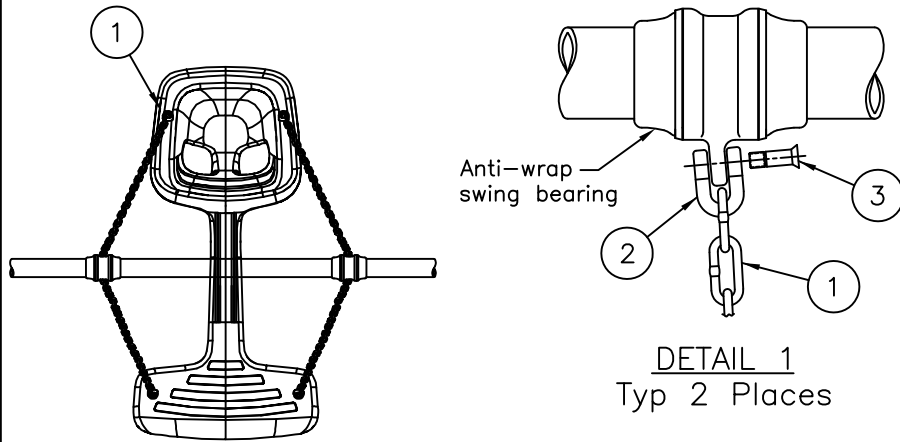


GENERATION SWING SEAT

200313421

1800044B

Sheet 1 of 1



NOTE:

1. MINIMUM SEAT HEIGHT TO BE 14-1/4 INCHES

GENERATION SWING SEAT 200203423

AUTHORIZED BY:

DUSTIN IMEL 5FEB16

Item	Code	Description	Qty.
1	907603--	GENERATION SWING SEAT WITH CHAIN 8 FT	1

HARDWARE BAG HW147909-1

Item	Code	Description	Qty.
2	200035993	SHACKLE "D" STYLE 41 MM 300 S.S.(SMALL)	2
3	200035994	BOLT M10 X 1.5 X 27 MM 300 SS 6-LOBE(SM)	2
4	200001167	T-45 TAMPER PROOF KEY (TORX WRENCH)	1

Application

- For age group 2-12 year (ASTM 1487)
- For age group 18 month to 12 year (CSA Z14)
- For age 12 year through adult (not covered by standards)
- Only one multi user seat is allowed per swing bay

Maintenance

- Check all hardware
- Touch up any marred paint surface
- Refer to maintenance kit
- Check chain and seat for wear

Specifications

CHAINS

MATERIAL: Galvanized 4/0 chain link

GENERATION SEAT

MATERIAL: Rotationally molded from a blend of linear low density polyethylene and thermoplastic elastomer with molded in graphics.

Stainless steel hardware completes the assembly.

Installation Instructions

1. Attach chains to beam as shown in DETAIL 1.
2. Clearance under seat should be between 14" and 18".

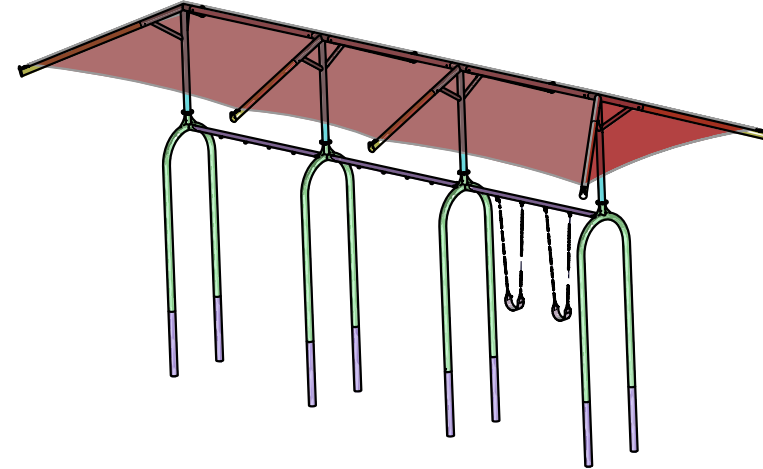
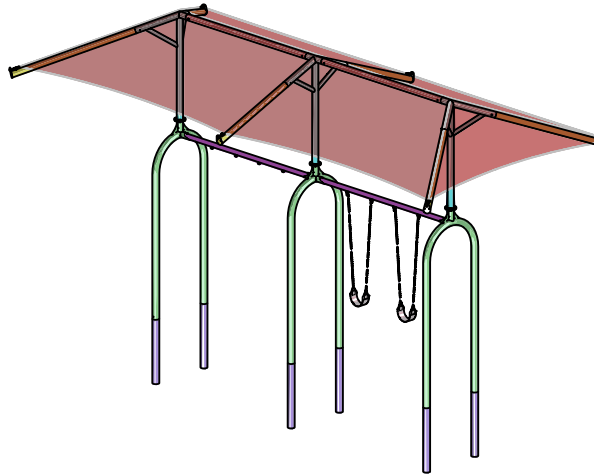
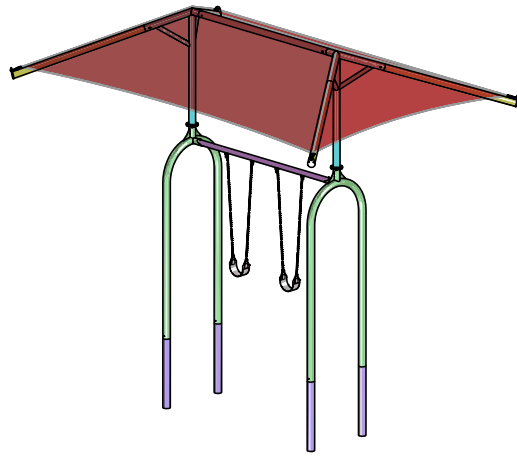
NOTES:

1. See separate instruction for swing frame installation.



Installation Instructions

Rev. B



MODEL	DESCRIPTION
LT0961	2-UNIT ARCH SWING SHADE
LT0961AW	2-UNIT ARCH SWING SHADE AW
LT0961FR	2-UNIT ARCH SWING SHADE FR
LT0961AWFR	2-UNIT ARCH SWING SHADE AW FR

MODEL	DESCRIPTION
LT0962	4-UNIT ARCH SWING SHADE
LT0962AW	4-UNIT ARCH SWING SHADE AW
LT0962FR	4-UNIT ARCH SWING SHADE FR
LT0962AWFR	4-UNIT ARCH SWING SHADE AW FR

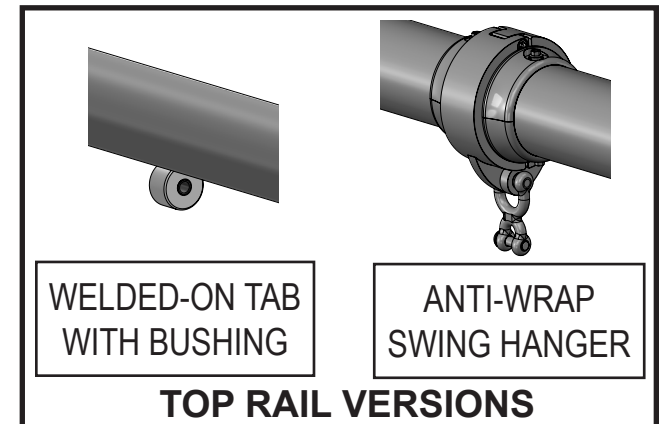
MODEL	DESCRIPTION
LT0963	6-UNIT ARCH SWING SHADE
LT0963AW	6-UNIT ARCH SWING SHADE AW
LT0963FR	6-UNIT ARCH SWING SHADE FR
LT0963AWFR	6-UNIT ARCH SWING SHADE AW FR

Assembly Views (representative models) **Swing seats sold separately.**

NOTES: AW denotes anti-wrap; FR denotes flame retardant.

An (*) by a part number (Code) indicates: Color Code Required.

DESCRIPTION	PAGES
Guidelines and Footing information	2-5
Anti-Wrap Swing Hanger Top Rail Assembly	6-8
2-Unit Arch Swing Shades	9-19
4-Unit Arch Swing Shades	20-29
6-Unit Arch Swing Shades	30-39
Equipment Maintenance and Preventative Maintenance information	40-41



GUIDELINES

Rev. B

Important ! Please Read Completely Before Beginning Installation. According to a report published by the U. S. Consumer Product Safety Commission (C.P.S.C.) 72% of all playground injuries result from accidental falls. With this in mind, this equipment is designed to fill the need for safe yet challenging play. In conjunction with design efforts to reduce the possibilities of injuries, this equipment must be installed “Step by Step” per our installation instructions. As a new owner you are responsible for the correct installation, safe use, and maintenance of your equipment.

Installation Guidelines

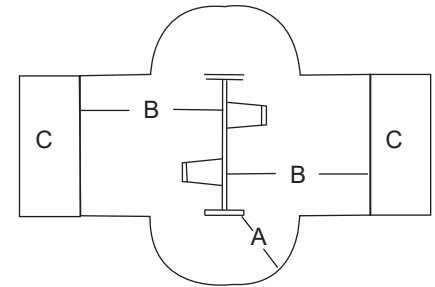
- Identify all parts and thoroughly read the assembly instructions before beginning construction.
- Refer to your playground equipment plan and footing diagram to assure the equipment purchased will fit into your selected site area. The use and no-encroachment zones around the play equipment shall be obstacle-free areas designated for unrestricted circulation.

(ASTM / CSA)

- For belt and rigid swing seats, the use zone for swing equipment should extend to the front and rear of a single axis swing a minimum distance of twice the height measured from the pivot point above the surfacing material measured from a point directly beneath the pivot on the supporting structure. The use zone on the sides of the swing should extend a minimum of 72 inches (1829 mm). A no-encroachment zone is also required for installations in areas overseen by the Canadian Standards Association (C.S.A.). In addition to the use zone measurement on both sides of the top rail, this zone will extend an additional 72 inches (1829 mm) and may **not** be overlapped by the use or no-encroachment zones of adjacent play equipment. See diagram.
- For enclosed infant swing seats, the use zone for swing equipment should extend to the front and rear of a single axis swing a minimum distance of twice the measurement from the pivot point to the swing seat surface measured from a point directly beneath the pivot on the supporting structure. The use zone on the ends of the swing (support structure) should extend a minimum of 72 inches (1829 mm). A no-encroachment zone is also required for installations in areas overseen by the Canadian Standards Association (C.S.A.). In addition to the use zone measurement on both sides of the top rail, this zone will extend an additional 72 inches (1829 mm) and may **not** be overlapped by the use or no-encroachment zones of adjacent play equipment. See diagram.

Belt/Rigid Seat Swing Zones

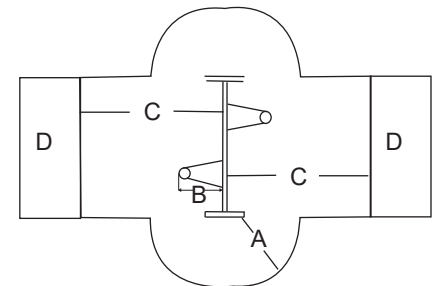
- A** = Side Use Zone
72 in. (1829 mm)
- B** = End Use Zone
Height of Pivot Point
from Surfacing x 2
Both Sides of Top Rail
- C** = No-encroachment Zone
72 in. (1829 mm)



- The use zone on either end of the swing (72 inches [1829 mm]) may be overlapped by the use zone on either end of the another swing (72 inches [1829 mm]). Swing zones on either side of the top rail may **not** be overlapped by the use zones of other play equipment.

Infant Seat Swing Zones

- A** = Side Use Zone
72 in. (1829 mm)
- B** = Distance from Pivot Point
to Swing Seat Surface
- C** = End Use Zone: $B \times 2$
Both Sides of Top Rail
- D** = No-encroachment Zone
72 in. (1829 mm)



GUIDELINES

Rev. B

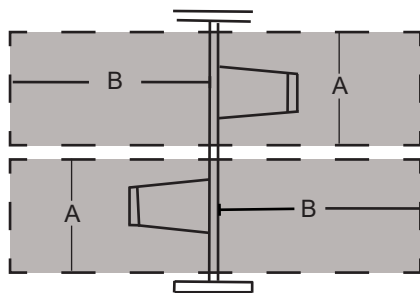
(EN)

- For areas conforming to the EN-1176 Standard, the impact area shall be determined by calculating the horizontal distance where the swing seat is at an 60° arc and adding the appropriate amount of distance based upon the type of protective surfacing. This distance shall be covered by protective surfacing on both sides of the top rail. The protective surfacing shall be appropriate for the maximum fall height of the swing. There is no difference in the calculation based on the type of swing seat.

The impact area on both sides of top rail = $(0.867 \times \text{Distance from pivot point to seat}) + \text{either } 1750 \text{ mm if unitary surfacing or } 2250 \text{ mm if loose-fill surfacing is used}$. There shall be a minimum corridor of 1750 mm centered on each swing seat for the length of the impact area.

Use Zones - EN Compliance

- A =** Width of the corridor centered on the swing seat
1750 mm
- B =** Length of the use zone on both sides of the top rail (8ft)
Tot Seats: 3290 mm for unitary surfaced areas
or 3790 mm for areas covered with loose fill surfacing.
Belt / Rigid Seats: 3510 mm for unitary surfaced areas
or 4010 mm for areas covered with loose fill surfacing



- Site layout is a critical part of the overall installation. Footings must be measured and marked accurately according to the footing diagram. A level and clear installation site is ideal.
- Good drainage around the structure and its supports is important. Inquire with local contractors for appropriate recommendations.
- After laying out all footings and before digging holes, be sure to inquire about underground utilities that may exist.

- Do not leave the job site unattended without making sure that all fastening hardware on all components are tightened according to tightening torque specifications listed on every installation guide. We also recommend roping off construction area and covering all holes that do not contain a piece of equipment with plywood or other suitable material.
- Excavate holes as shown in the footing detail. If a level and clear site cannot be obtained, adjust the depth of footing to maintain a level footing base. If soil conditions are loose or unstable, a larger diameter footing may be required. Inquire with local contractors for appropriate recommendations. Be sure concrete that might have splashed onto the unit is washed off before it dries. Allow concrete to harden 72 hours before allowing your structure to be used. **Assemble the entire structure before pouring concrete unless specifically instructed to do so in the installation instructions.**
- Insure that hard surface warning/Little Tikes Commercial identification labels are properly affixed to the play equipment. Labels are to be plainly visible according to current playground equipment guidelines.
- IMPORTANT!** Because accidental falls around your playground equipment can occur, Little Tikes Commercial recommends that the area under and around the structure be covered with a resilient material such as sand, bark mulch, or wood chips. If loose fill surfacing materials are used, Little Tikes Commercial recommends a depth of 12 in. (305 mm). An approved rubber safety matting can also be used. **Many protective surfacing materials can become compacted due to weather and use, which reduces their shock absorbency. It is strongly recommended that the surfacing be checked weekly and material added or replaced as necessary. Hard surfaces, such as asphalt, concrete and packed earth are not acceptable for use under playground equipment.**
- The entire area, under and around the playground equipment, must be covered with protective surfacing material. The impact attenuation of the protective surfacing under and around playground equipment should be rated to have a critical height value of at least the height of the highest accessible part of the equipment. The critical height for surfacing is to be rated in accordance with A.S.T.M. standard, designated F1292, A Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment. Contact the manufacturer of unitary surfacing materials (rubber matting) for the critical height rating for their products.

GUIDELINES

Tools Required: Commonly used hex key wrenches will be required to assemble your equipment. You may also need: shovel, digging iron, post hole digger, steel rake, wheelbarrow, garden hoe, water hose, tape measure, level, alignment tool, 3/8" ratchet with 9/16" socket, and 9/16" combination wrench.

Maintenance

- Inadequate maintenance of equipment has resulted in injuries on the playground. Because the safety of playground equipment and its stability depends on good inspection and maintenance, **a comprehensive maintenance program must be developed for each playground and strictly followed.** All equipment must be inspected frequently for any potential hazards. Special attention must be given to moving parts and other components that can be expected to wear. Inspections must be carried out in a systematic manner by trained personnel. Any damaged or worn parts, or any other hazards identified during inspections must be repaired or replaced immediately. Complete documentation of all maintenance inspections and repairs must be retained.

Maintenance

- Check all hardware.
- Touch up any marred paint surface.
- Refer to maintenance kit.
- Check chain and seat for wear.
- Rotate bearing to distribute grease.
- Wipe off excess.
- Lubricate monthly or as determined by use.

Note: recommended lubricant: grade 2 multi-purpose lithium grease.

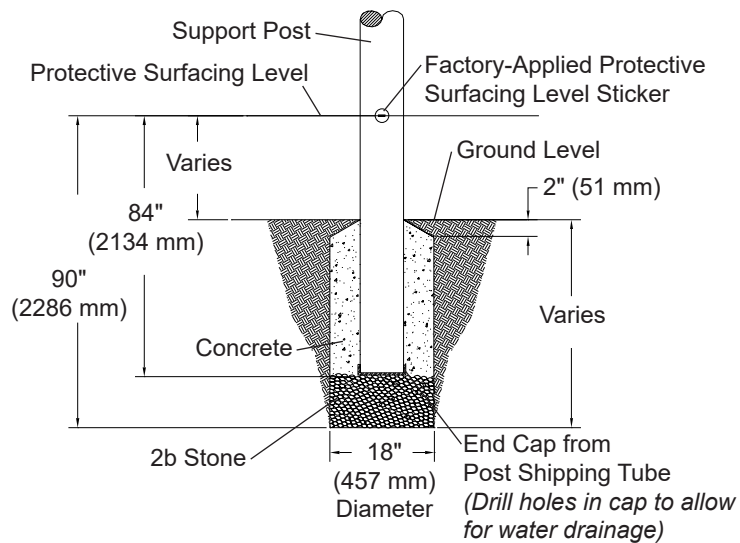
Note: inspect equipment on a regularly scheduled basis. Refer to playground inspection/maintenance and repair guidelines located in installation manual. Anti-wrap swing swivel should be inspected monthly to ensure there are no worn, sharp, vandalized, loose hardware, or rusted components. It should also be determined at this time if more grease is required to keep swing hanger moving freely.

Supervision Guidelines

- Little Tikes Commercial strongly recommends close supervision of the children as they play as well as intensive classroom and home instruction about safe behavior on playground equipment.
- Playground supervisors should be aware that not all playground equipment is appropriate for all children who may use the playground. Signs should be posted near the equipment indicating the recommended age of the users. Supervisors should direct children to equipment appropriate for their age.
- It is important that playground supervisors recognize that pre-school-age children require more attentive supervision on playgrounds than older children.
- Do not permit the use of wet playground equipment. Wet equipment will inhibit necessary traction and gripping capabilities. Slips or falls could occur.
- Do not permit too many children on the same piece of equipment at the same time. It is suggested that children take turns.
- Constantly observe play patterns to discover possible hazardous play and suggest changes in equipment use or play patterns.

Footing Information

Rev. B



Support Post Footing Detail (ASTM/CSA)

FOOTING NOTES

- Support post footing depth equals 90 in. (2286 mm) less the depth of the protective surfacing material. The post is designed to have 72" (1829 mm) in concrete.

Example: If 12 in. (305 mm) of wood mulch is used for surfacing, the footing depth would be 78 in. (1982 mm).

- Most support posts and component support legs will have either a factory-applied sticker with line, or factory-applied mark designating protective surfacing level on a clear and level installation site.

- If play structure is installed on uneven terrain, maintain support post mark at protective surfacing level at lowest grade. Adjust other footings accordingly. Support posts and all attaching decks and play components must be plumb and level.

- Do not encase bottom of support post in concrete. Place post directly on packed stone.

- The footings shown on Little Tikes Commercial documentation are recommendations based on historical performance in average soil conditions. Footing dimensions may be modified by the owner based on actual soil conditions. For example:

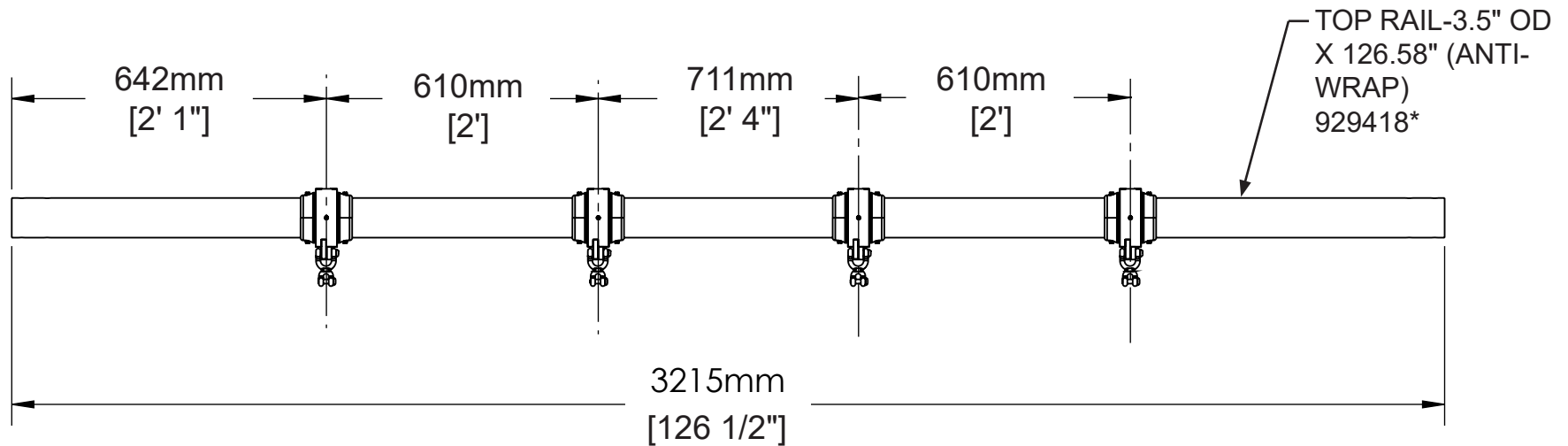
- If local soil is loose or unstable, a larger footing may be required.
- If local soil is considered stable, such as bedrock, clay or hard packed earth, a smaller footing may be used. Before changing footing dimensions, we strongly recommend that the footings be reviewed and approved by a registered engineer.

- Base of footing must be below frost line.

- Assemble the entire structure before pouring concrete unless specifically instructed to do so in the individual component installation instructions.

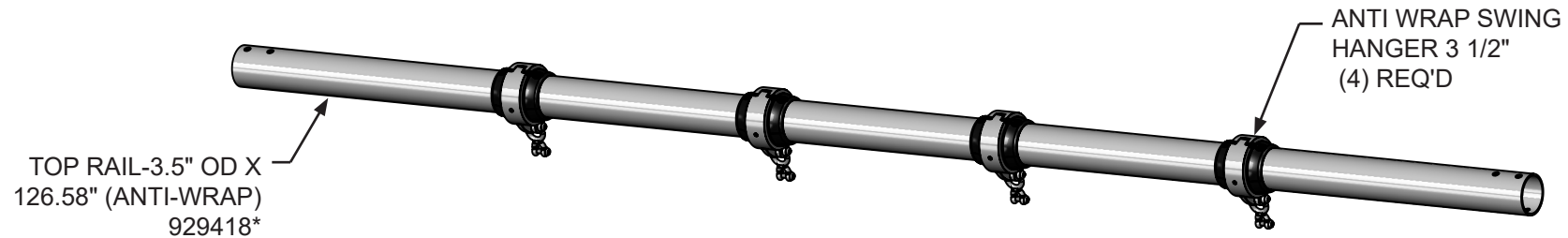
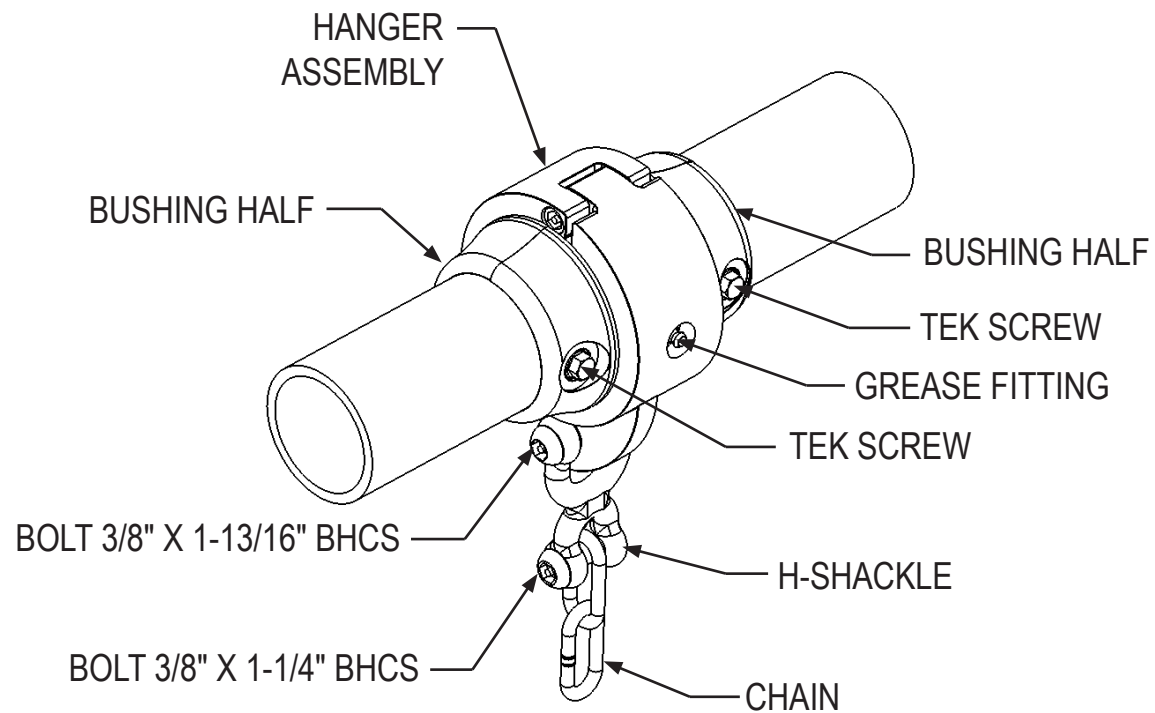
MARK TOP RAIL FOR HANGER PLACEMENT BEFORE ATTACHING TO FRAME

Mark top rails for anti-wrap swing hanger placement. Measure from **end** of top rail to **center** of anti-wrap swing hanger as shown below.



Installation Instructions**ANTI-WRAP TOP RAIL ASSEMBLY**

Rev. B

**TOP RAIL WITH FOUR ANTI-WRAP SWING HANGERS INSTALLED****ASSEMBLED VIEW****PN 932153 ANTI-WRAP 3-1/2" (2) W/EL0105 BOLTS**

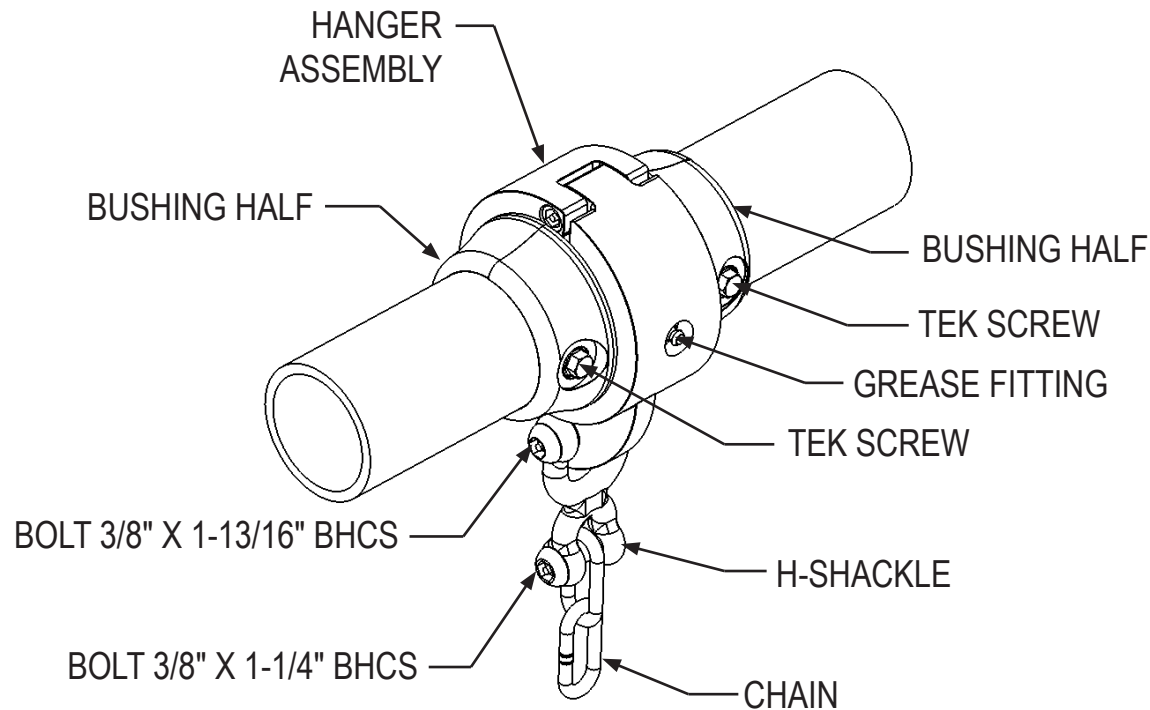
Installation Instructions

ANTI-WRAP TOP RAIL ASSEMBLY

Rev. B

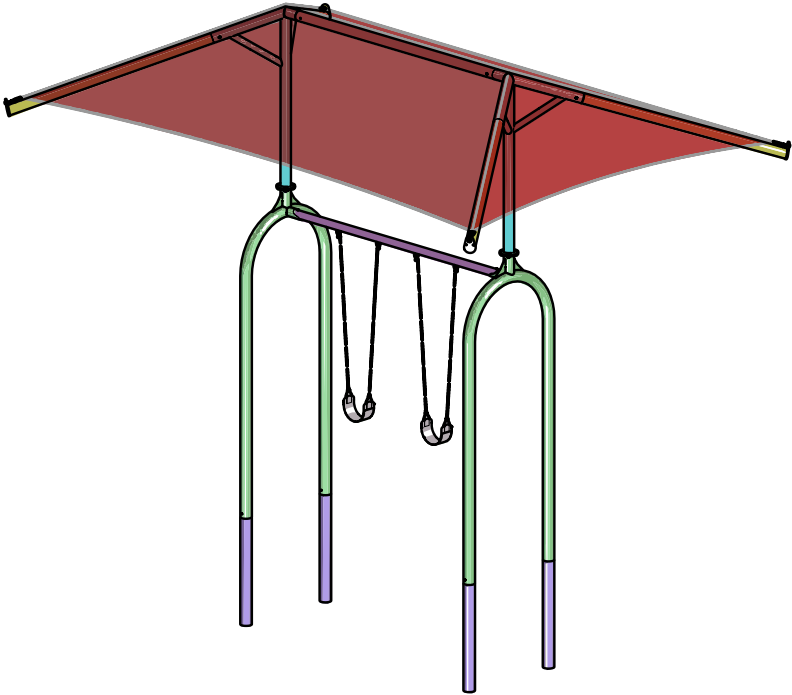
ASSEMBLE AND ATTACH ANTI-WRAP SWING HANGERS

1. Open the hanger assembly and remove the bushing halves. Center one of the bushing halves on to the beam using the hanger layout for location. Attach using two of the tek screws.
2. Repeat with the other bushing half. Note that the bushing halves will not completely mate on the swing beam. Align the tabs with the notches and ensure the gap between the bushing halves is equal on both sides of the swing beam.
3. Places the hanger assembly around the bushing halves.
4. Pin the two halves of the hanger together using $3/8"$ x $1-13/16"$ bolt and H-shackle. Apply threadlocker to end threads of bolt **ONLY IF PREAPPLIED THREADLOCKER IS NOT PRESENT.** Leave the joint undisturbed for 24 hours.
5. Attach the chain to the bottom of the H-shackle using $3/8"$ x $1-1/4"$ bolt. Apply threadlocker to end threads of bolt **ONLY IF PREAPPLIED THREADLOCKER IS NOT PRESENT.** Leave the joint undisturbed for 24 hours.
6. Using a grease gun, place a sufficient amount of grade 2 multi-purpose lithium grease into the grease fitting to allow the hanger to swing freely.

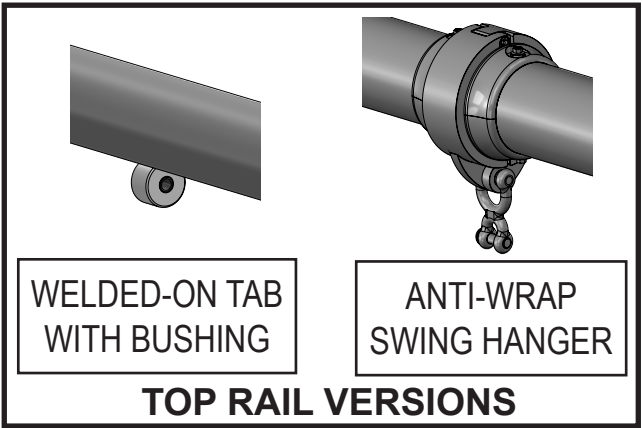


Installation Instructions 2-UNIT ARCH SWING SHADE

Rev. B



Assembly View (representative model)
Swing seats sold separately.



Installation Instructions

MODEL	DESCRIPTION	PAGE
LT0961	2-UNIT ARCH SWING SHADE	10
LT0961AW	2-UNIT ARCH SWING SHADE AW	10
LT0961FR	2-UNIT ARCH SWING SHADE FR	11
LT0961AWFR	2-UNIT ARCH SWING SHADE AW FR	11

NOTES: AW denotes anti-wrap; FR denotes flame retardant.

Installation Preparation

Recommended Crew: Three (3) adults
Installation Time (In-Ground):..... 5 man-hours
Concrete Required: 1.44 cubic yard (1,12 cubic meters)
Use Zone:..... Refer to pages 2 and 3

ICON KEY			
	Fully Tighten Hardware		Critical Fall Height
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Add 1 Drop of Thread Locking Adhesive

Installation Instructions 2-UNIT ARCH SWING SHADE

Rev. B

2-UNIT ARCH SWING SHADE Model LT0961		
CODE	DESCRIPTION	QTY
ZZM0961B*	5IN OD 2-UNIT ARCH SWING SHADE	1
AMC1204S*	2-UNIT ARCH SWING SHADE SHADESURE	1
929420*	TOP RAIL - 3.50" OD X 126.58"	1
930998	P/C FOR 2 AND 6-UNIT ARCH SWING SHADE	1
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
P/C FOR 2 AND 6-UNIT ARCH SWING SHADE 930998		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	4
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	4
998198	BARREL NUT 2-3/8" x 1/2"-13unc	4
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

2-UNIT ARCH SWING SHADE AW Model LT0961AW		
CODE	DESCRIPTION	QTY
ZZM0961B*	5IN OD 2-UNIT ARCH SWING SHADE	1
AMC1204S*	2-UNIT ARCH SWING SHADE SHADESURE	1
929418*	TOP RAIL-3.5"OD X 126.58" (ANTI-WRAP)	1
930998	P/C FOR 2 AND 6-UNIT ARCH SWING SHADE	1
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
932153	ANTI-WRAP 3-1/2" (2) W/EL0105 BOLTS	2
P/C FOR 2 AND 6-UNIT ARCH SWING SHADE 930998		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	4
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	4
998198	BARREL NUT 2-3/8" x 1/2"-13unc	4
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

Installation Instructions 2-UNIT ARCH SWING SHADE

Rev. B

2-UNIT ARCH SWING SHADE FR Model LT0961FR		
CODE	DESCRIPTION	QTY
ZZM0961B*	5IN OD 2-UNIT ARCH SWING SHADE	1
AMC1204C*	2-UNIT ARCH SWING SHADE COLORSHADE	1
929420*	TOP RAIL - 3.50" OD X 126.58"	1
930998	P/C FOR 2 AND 6-UNIT ARCH SWING SHADE	1
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
P/C FOR 2 AND 6-UNIT ARCH SWING SHADE 930998		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	4
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	4
998198	BARREL NUT 2-3/8" x 1/2"-13unc	4
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

2-UNIT ARCH SWING SHADE AW FR Model LT0961AWFR		
CODE	DESCRIPTION	QTY
ZZM0961B*	5IN OD 2-UNIT ARCH SWING SHADE	1
AMC1204C*	2-UNIT ARCH SWING SHADE COLORSHADE	1
929418*	TOP RAIL-3.5"OD X 126.58" (ANTI-WRAP)	1
930998	P/C FOR 2 AND 6-UNIT ARCH SWING SHADE	1
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
932153	ANTI-WRAP 3-1/2" (2) W/EL0105 BOLTS	2
P/C FOR 2 AND 6-UNIT ARCH SWING SHADE 930998		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	4
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	4
998198	BARREL NUT 2-3/8" x 1/2"-13unc	4
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

Installation Instructions 2-UNIT ARCH SWING SHADE

Rev. B

NOTES BEFORE YOU BEGIN: Do not over tighten bolts during assembly, only snug tighten them until assembly is complete unless otherwise instructed.

Carefully read and understand these installation instructions before you begin.

NOTES: The flame retardant shade (FR) will attach the same way as the non flame retardant shade. The top rail is available in two different versions: welded-on tabs with bushings, and anti-wrap (AW). Both top rail versions will attach the same way to the frame. See customer specific model for correct versions of shade and top rail.

DETAILS A through H are on pages 14 - 19.

Step 1: Before attempting to assemble your equipment, please review all installation information carefully. Should you experience any difficulty during the installation process, please call Little Tikes Commercial customer service.

Step 2: Separate and identify all components and hardware.

Step 3: Excavate footings as shown in the **Support Post Footing Details** on page 5 of this installation document.

Step 4:

For top rail with welded-on tabs with bushings: Attach Shade Swing Frame to the Top Rail. See **Detail A**. Insert the Top Rail, align the holes, and attach as shown.

For top rail with anti-wrap swing hangers: Mark the top rail for swing hanger placement as shown on **page 6**. Then attach Shade Swing Frame to the Top Rail - insert the Top Rail, align the holes, and attach as shown in **Detail A**. Attach anti-wrap swing hangers to top rail in the previously marked locations as shown on **pages 7 - 8**.

Step 5: Attach Shade Swing Frame to the Post Extensions. See **Detail B**. Secure the rafters as shown.

Step 6: Place the swing frame assembly into previously excavated footings. Square and level the swing frame assembly at specified footing depth. Top rail height shall be 96 in. (2438 mm) as measured from top of the protective surfacing material level. See **Elevation View** on next page. Fully tighten all

bolts in accordance with torque specifications. See **Step 13**. Block and brace for concrete. Fill the footings with concrete to within 2 in. (51 mm) of ground level as shown in the **Footing Detail**. Allow concrete to harden for 72 hours before proceeding with **Step 7**. After concrete has completely hardened, fill remainder of footing with dirt. Add protective surfacing material in accordance with the page 3 of these instructions.

Step 7: Attach the Frame Topper to the Shade Swing Frame Assembly. See **Detail C**. Lower the Frame Topper assembly onto the Support Frame, attach as shown.

Step 8: Attach the Support Frame to the Frame Topper. See **Detail D**. Insert the Support Frame, align the holes, and attach as shown.

Step 9: Attach Rafters to Frame Toppers. See **Detail E**, attach as shown.

Step 10: Prepare the Shade Fabric for placement. See **Detail F**.

Step 11: Lower the Shade Fabric onto the rafter assembly. See **Detail G**.

Step 12: Attach the Shade Fabric to the ends of the rafters. See **Detail H**. Apply a drop of thread locking adhesive to the end of the jaw fitting and attach as shown. **Important Note:** When attaching the Fabric Shade to the Rafters, start with only one side of the shade, attach and tighten (flat washer and barrel nut). Repeat on the opposite side of the shade. Complete the final two connections. Create desired shade tension by tightening barrel nuts. After tensioned, tighten the jam nut to the barrel nut.

Final Details.

Step 13: Plumb and level the component. Tighten **all** fasteners. Fully tighten all fasteners according to tightening torque specifications.

Torque Specifications:

Bolts and nuts - Snug tighten and then tighten an additional one half turn.

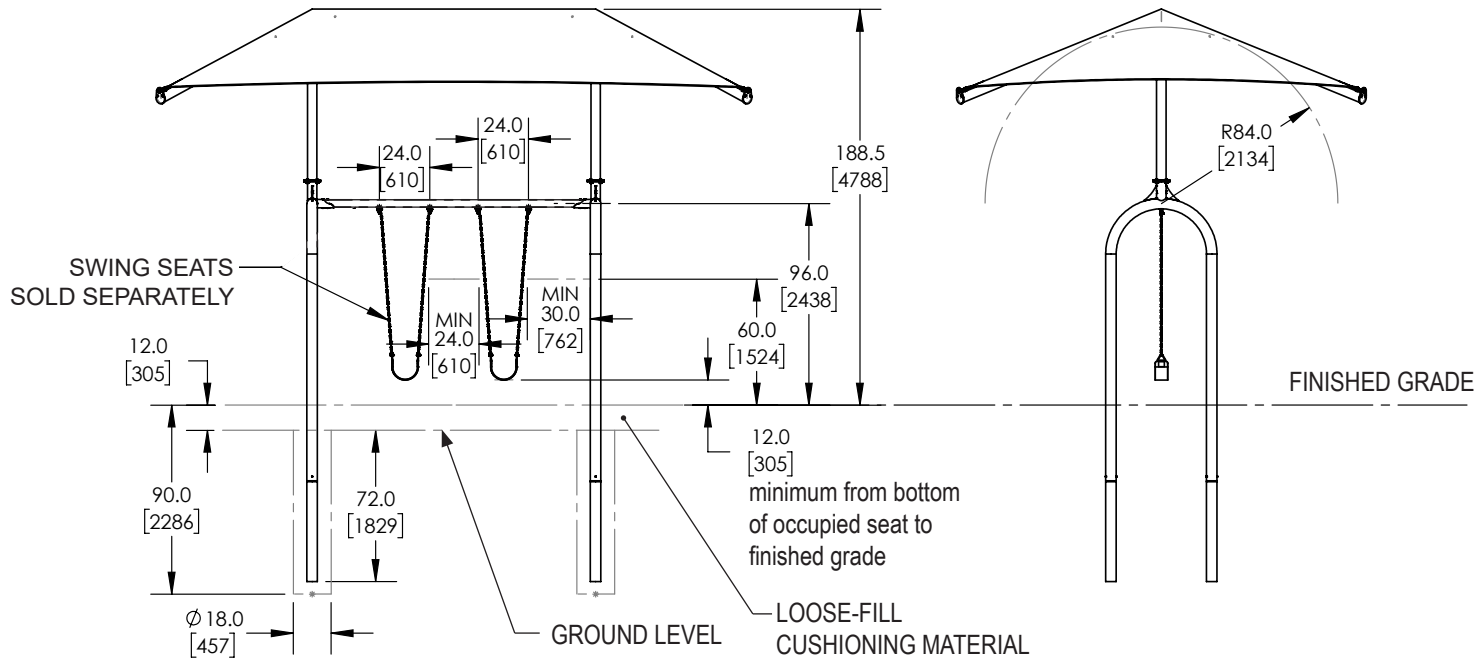
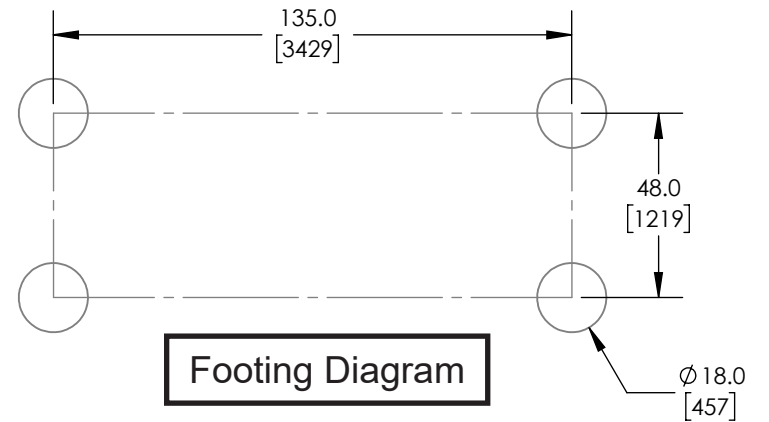
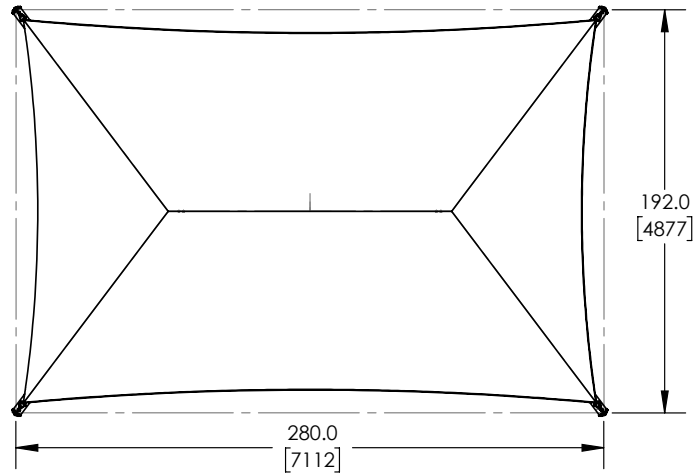
Step 14: Apply the Surfacing Warning labels to the Shade Swing Frame 48 inches above surface level. Install age appropriate labels per "Placement of Age Appropriate Labels" located in Installations 101 in Installation Manual.

IMPORTANT NOTE: Remove the shade fabric when snow exceeds 5psf or winds exceeding 90 mph are expected. Store fabric in a non-harsh environment and cover for protection. Store all hardware with the shade fabric.

Installation Instructions 2-UNIT ARCH SWING SHADE

Rev. B

Top View



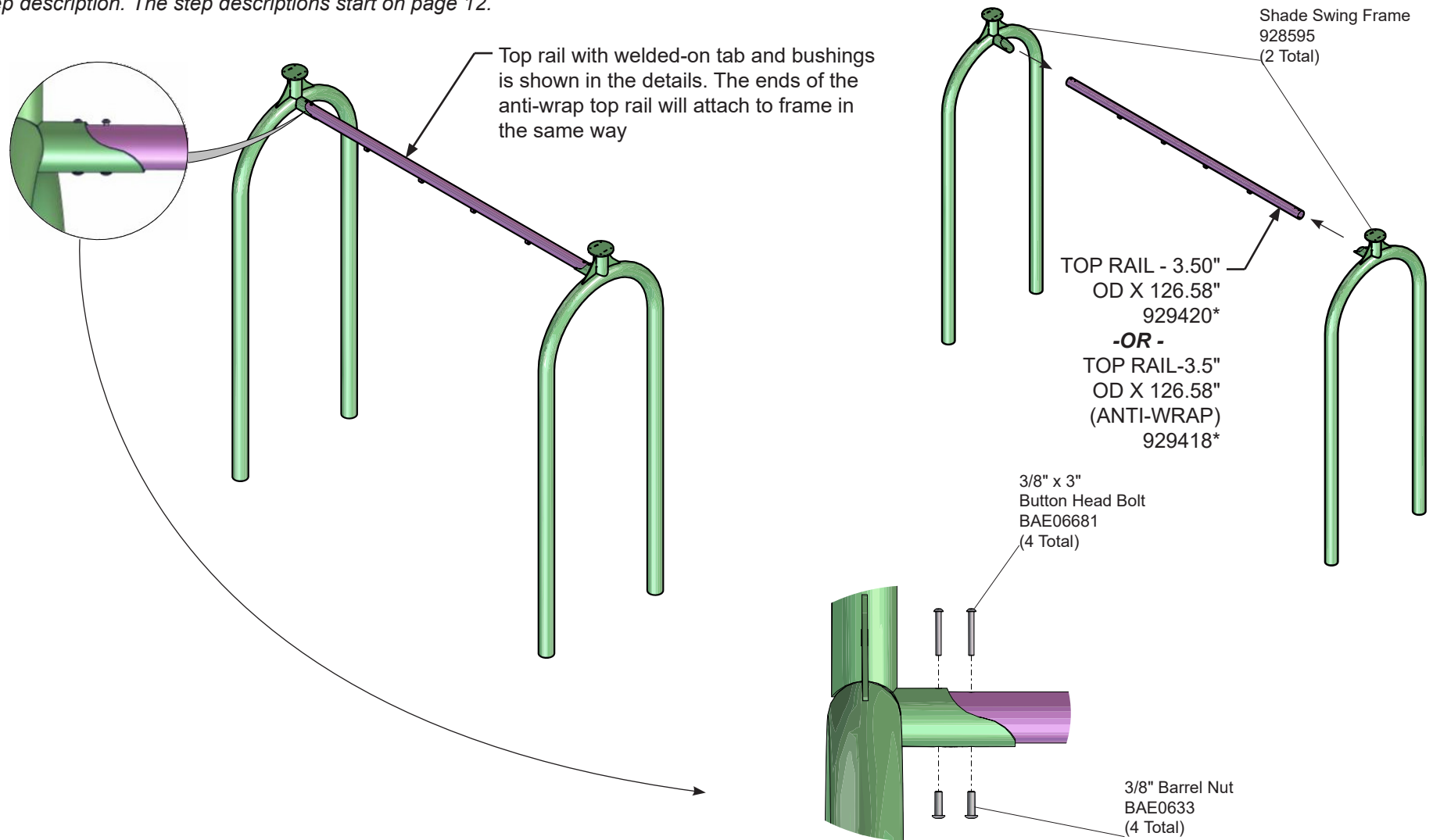
KEY	
Position	Unit of Measurement
Top #	Inches
Bottom #	[Millimeters]

Elevation Views

Installation Instructions 2-UNIT ARCH SWING SHADE

Rev. B

Follow the details in alphabetical order. For clarification, each detail references the step description. The step descriptions start on page 12.



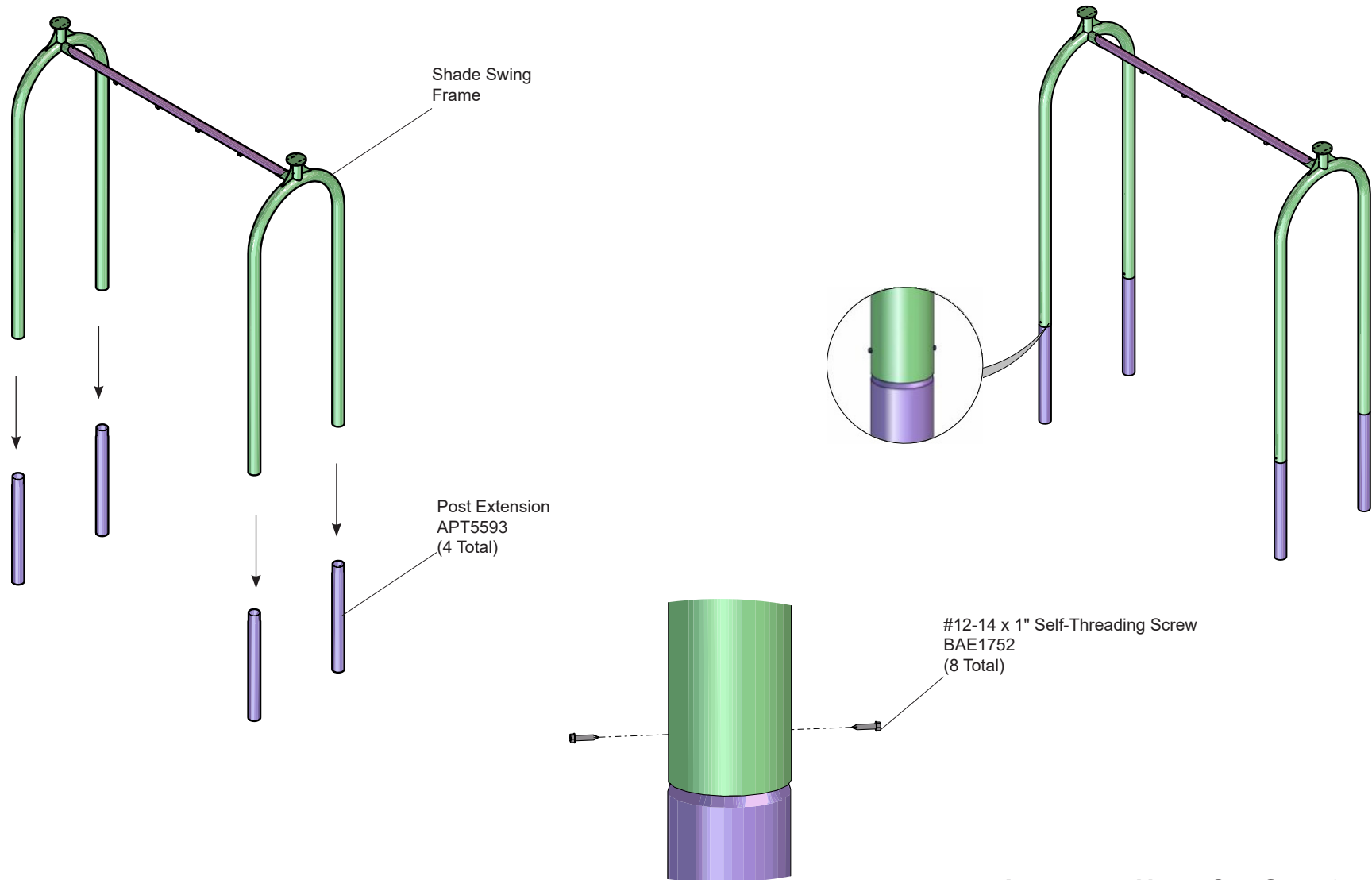
Detail A

Step 4

Attach Shade Swing Frame to the Top Rail.

Installation Instructions 2-UNIT ARCH SWING SHADE

Rev. B



Detail B
Step 5

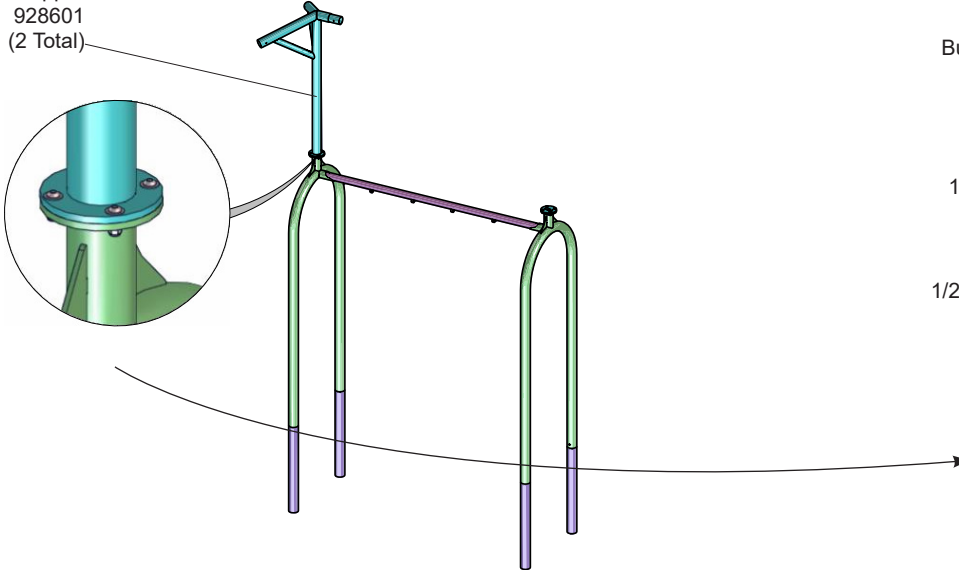
Attach Shade Swing Frame to the Post Extensions.

Important Note: See Step 6 on
Page 12 before proceeding to step 7.

Installation Instructions 2-UNIT ARCH SWING SHADE

Rev. B

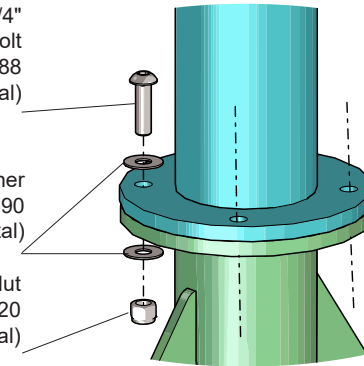
Frame Topper
928601
(2 Total)



1/2" x 1-3/4"
Button Head Bolt
BAE0688
(8 Total)

1/2" Flat Washer
BAE0690
(16 Total)

1/2" Hex Lock Nut
BAE0720
(8 Total)

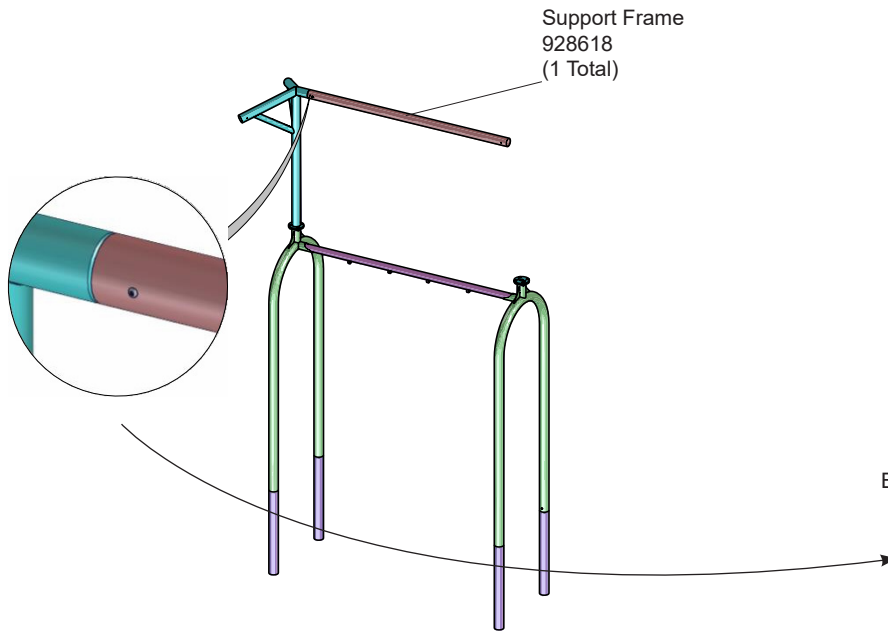


Detail C

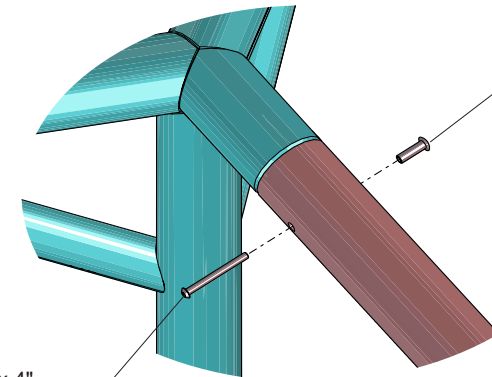
Step 7

Attach the Frame Topper to the Shade Swing Frame Assembly.

Support Frame
928618
(1 Total)



3/8" Barrel Nut
BAE0633
(2 Total)



3/8" x 4"
Button Head Bolt
BAE06684
(2 Total)

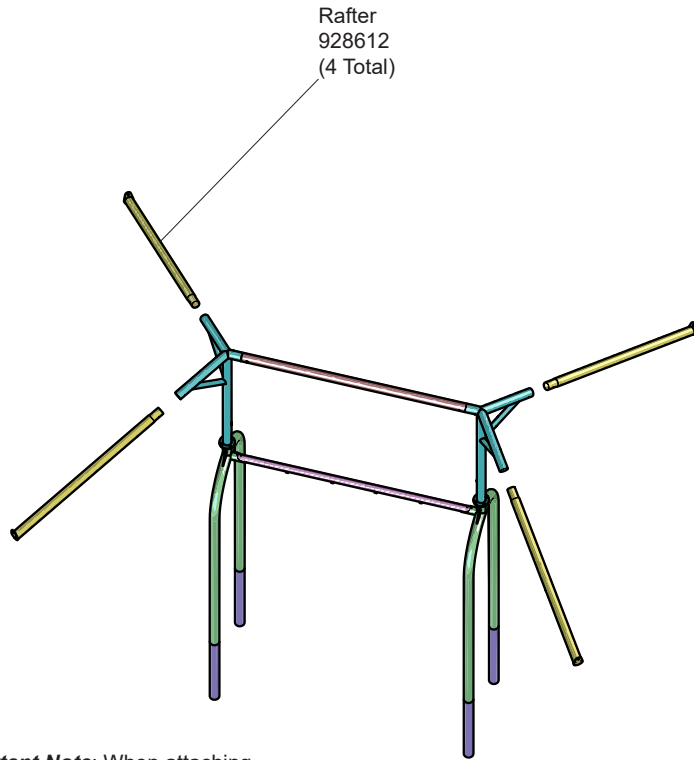
Detail D

Step 8

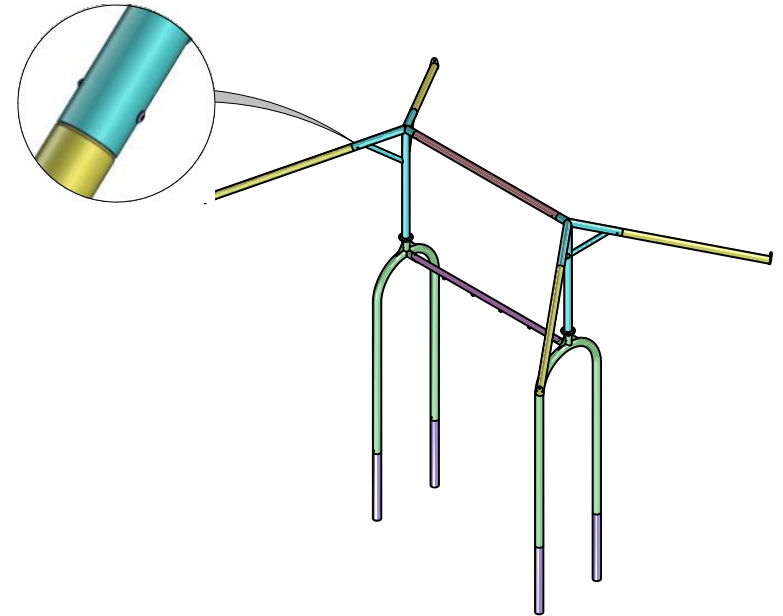
Attach the Support Frame to the Frame Topper.

Installation Instructions 2-UNIT ARCH SWING SHADE

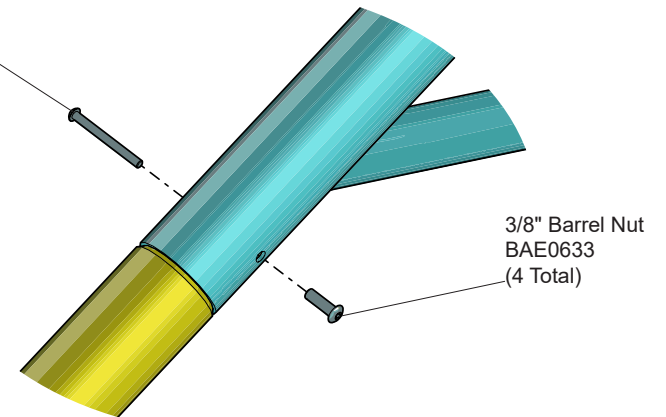
Rev. B



Important Note: When attaching the Rafters make sure that the tab on the end is facing up.



3/8" x 4"
Button Head Bolt
BAE06684
(4 Total)

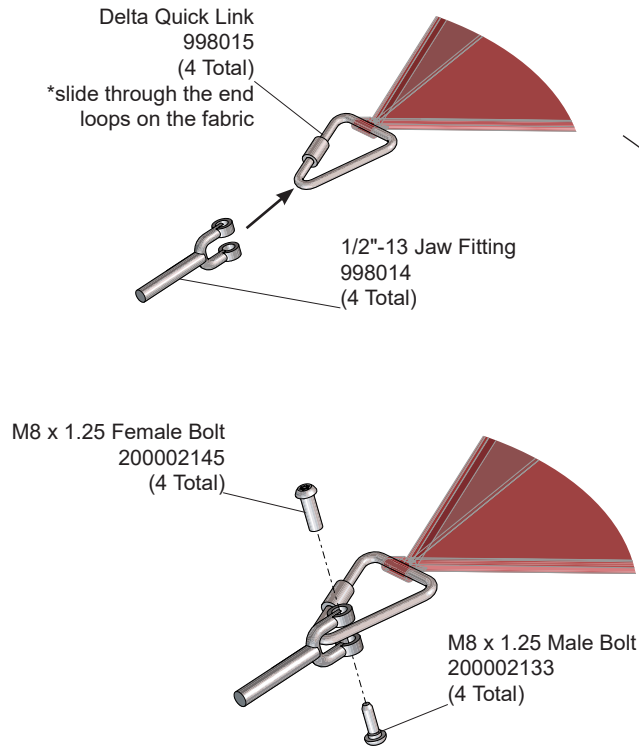


Detail E
Step 9
Attach Rafters to Frame Toppers.

Installation Instructions

2-UNIT ARCH SWING SHADE

Rev. B



Detail F

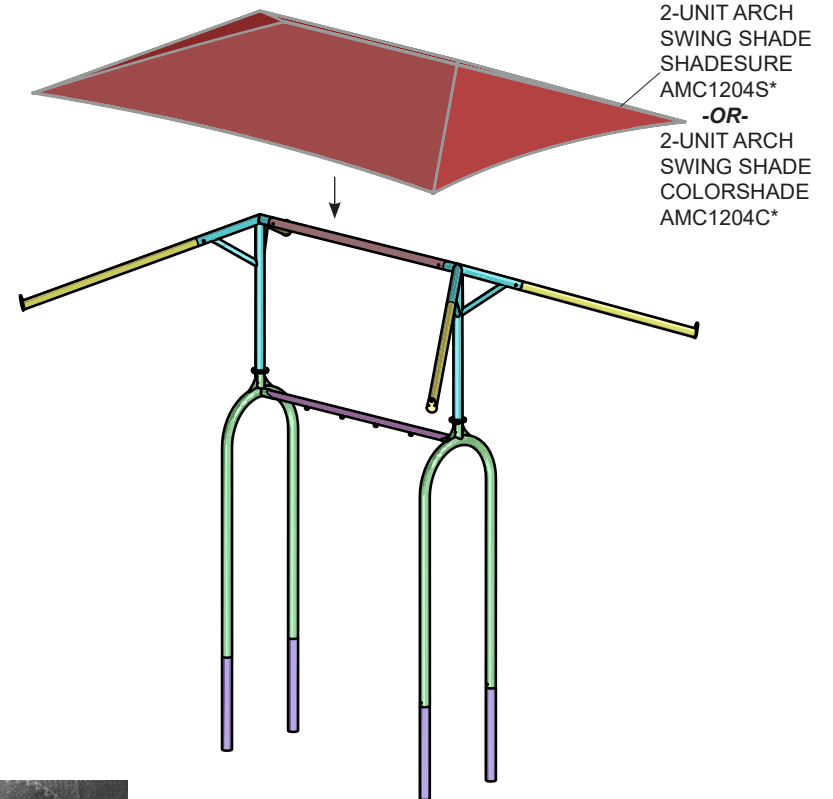
Step 10

Prepare the Shade Fabric for placement.

Cables not shown, see Important Note



Important Note: Before attaching the Jaw Fitting to the Delta Quick Link, the fabric shade cable (part of the fabric shade) must be pulled down and placed underneath the Delta Quick Link (as shown above).



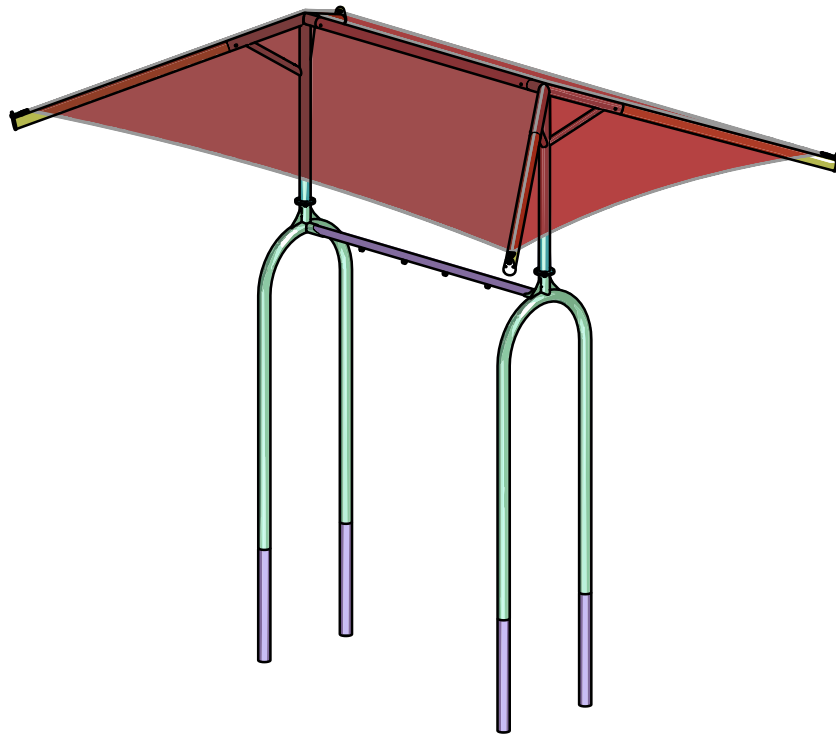
Detail G

Step 11

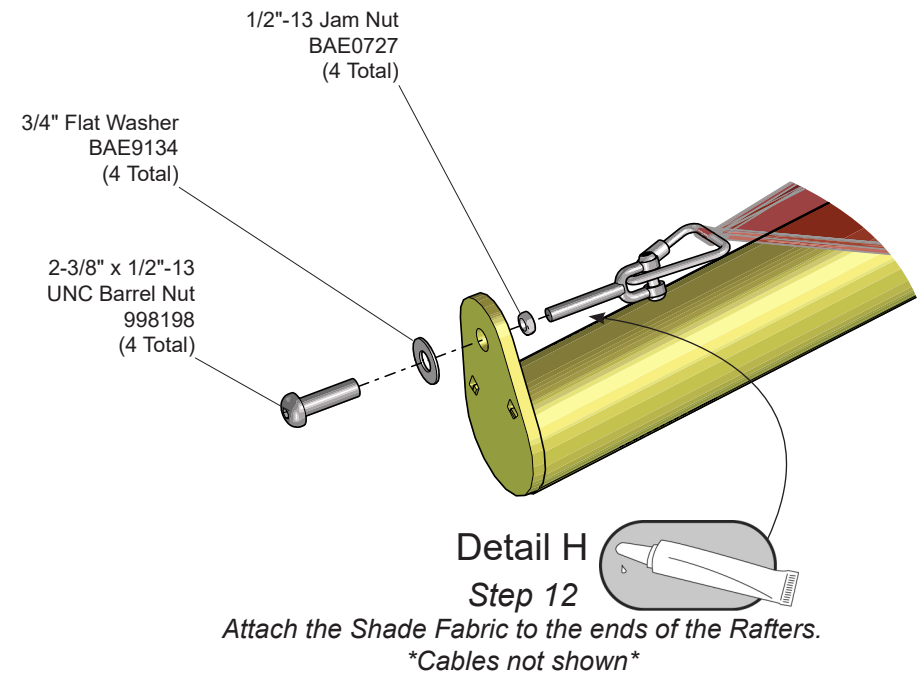
Lower the Shade Fabric onto the rafter assembly.

Installation Instructions 2-UNIT ARCH SWING SHADE

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Important Note: When attaching the Fabric Shade to the Rafters, start with only one side of the shade, attach and tighten (flat washer and barrel nut). Repeat on the opposite side of the shade. Complete the final two connections. Create desired shade tension by tightening barrel nuts. **After tensioned**, tighten the jam nut to the barrel nut.



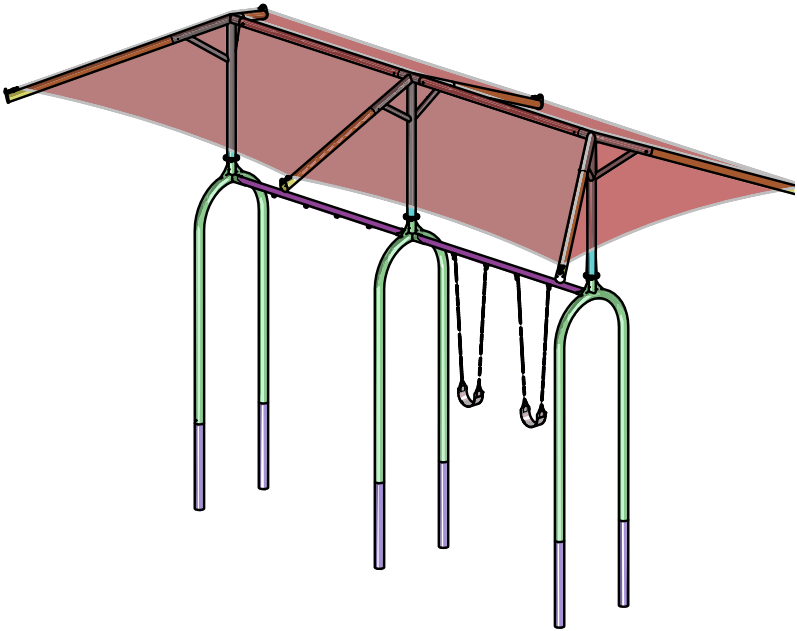
Installation Instructions 4-UNIT ARCH SWING SHADE

Rev. B

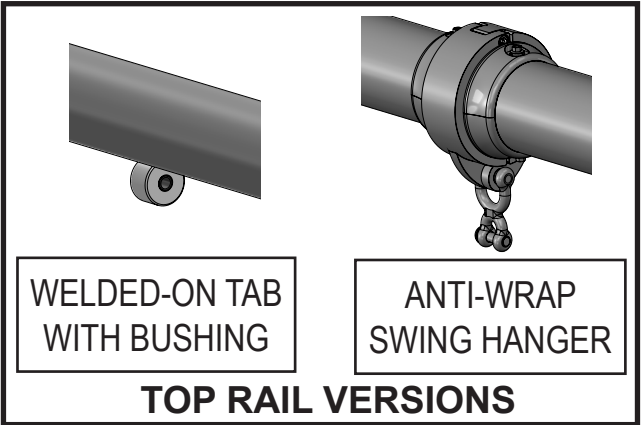
Installation Instructions

MODEL	DESCRIPTION	PAGE
LT0962	4-UNIT ARCH SWING SHADE	21
LT0962AW	4-UNIT ARCH SWING SHADE AW	21
LT0962FR	4-UNIT ARCH SWING SHADE FR	22
LT0962AWFR	4-UNIT ARCH SWING SHADE AW FR	22

NOTES: AW denotes anti-wrap; FR denotes flame retardant.



Assembly View (representative model)
Swing seats sold separately.



Installation Preparation

Recommended Crew: Four (4) adults
 Installation Time (In-Ground):..... 8 man-hours
 Concrete Required: 2.16 cubic yard (1,68 cubic meters)
 Use Zone:..... Refer to pages 2 and 3

ICON KEY	
	Fully Tighten Hardware
	Do Not Fully Tighten Hardware
	Drill
	Hammer
	Critical Fall Height
	Pour Concrete
	Dig Footing Holes
	Add 1 Drop of Thread Locking Adhesive

Installation Instructions**4-UNIT ARCH SWING SHADE**

Rev. B

4-UNIT ARCH SWING SHADE Model LT0962		
CODE	DESCRIPTION	QTY
ZZM0962B*	5IN OD 4-UNIT ARCH SWING SHADE	1
AMC1205S*	4-UNIT ARCH SWING SHADE SHADESURE	1
929420*	TOP RAIL - 3.50" OD X 126.58"	2
930999	P/C FOR 4-UNIT ARCH SWING SHADE	1
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
P/C FOR 4-UNIT ARCH SWING SHADE 930999		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	6
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	6
998198	BARREL NUT 2-3/8" x 1/2"-13unc	6
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

4-UNIT ARCH SWING SHADE AW Model LT0962AW		
CODE	DESCRIPTION	QTY
ZZM0962B*	5IN OD 4-UNIT ARCH SWING SHADE	1
AMC1205S*	4-UNIT ARCH SWING SHADE SHADESURE	1
929418*	TOP RAIL-3.5"OD X 126.58" (ANTI-WRAP)	2
930999	P/C FOR 4-UNIT ARCH SWING SHADE	1
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
932153	ANTI-WRAP 3-1/2" (2) W/EL0105 BOLTS	4
P/C FOR 4-UNIT ARCH SWING SHADE 930999		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	6
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	6
998198	BARREL NUT 2-3/8" x 1/2"-13unc	6
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

Installation Instructions**4-UNIT ARCH SWING SHADE**

Rev. B

4-UNIT ARCH SWING SHADE FR Model LT0962FR		
CODE	DESCRIPTION	QTY
ZZM0962B*	5IN OD 4-UNIT ARCH SWING SHADE	1
AMC1205C*	4-UNIT ARCH SWING SHADE COLORSHADE	1
929420*	TOP RAIL - 3.50" OD X 126.58"	2
930999	P/C FOR 4-UNIT ARCH SWING SHADE	1
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
P/C FOR 4-UNIT ARCH SWING SHADE 930999		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	6
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	6
998198	BARREL NUT 2-3/8" x 1/2"-13unc	6
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

4-UNIT ARCH SWING SHADE AW FR Model LT0962AWFR		
CODE	DESCRIPTION	QTY
ZZM0962B*	5IN OD 4-UNIT ARCH SWING SHADE	1
AMC1205C*	4-UNIT ARCH SWING SHADE COLORSHADE	1
929418*	TOP RAIL-3.5"OD X 126.58" (ANTI-WRAP)	2
930999	P/C FOR 4-UNIT ARCH SWING SHADE	1
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
932153	ANTI-WRAP 3-1/2" (2) W/EL0105 BOLTS	4
P/C FOR 4-UNIT ARCH SWING SHADE 930999		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	6
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	6
998198	BARREL NUT 2-3/8" x 1/2"-13unc	6
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

Installation Instructions

4-UNIT ARCH SWING SHADE

Rev. B

Notes Before You Begin: Do not over tighten bolts during assembly, only snug tighten them until assembly is complete unless otherwise instructed.

Carefully read and understand these installation instructions before you begin.

NOTES: The flame retardant shade (FR) will attach the same way as the non flame retardant shade. The top rail is available in two different versions: welded-on tabs with bushings, and anti-wrap (AW). Both top rail versions will attach the same way to the frame. See customer specific model for correct versions of shade and top rail.

DETAILS A through F are on pages 25 - 29.

Step 1: Before attempting to assemble your equipment, please review all installation information carefully. Should you experience any difficulty during the installation process, please call Little Tikes Commercial customer service.

Step 2: Separate and identify all components and hardware.

Step 3: Excavate footings as shown in the **Support Post Footing Details** on page 5 of this installation document.

Step 4:

For top rail with welded-on tabs with bushings: Attach Shade Swing Frame to the post extensions, then connect the top rail to the shade swing frame and attach as shown in **DETAIL A**.

For top rail with anti-wrap swing hangers: Mark the top rail for swing hanger placement as shown on **page 6**. Then attach Shade Swing Frame to the post extensions, then connect the top rail to the shade swing frame and attach as shown in **Detail A**. Attach anti-wrap swing hangers to top rail in the previously marked locations as shown on **pages 7 - 8**.

Step 5: Place the swing frame assembly into previously excavated footings. Square and level the swing frame assembly at specified footing depth. Top rail height shall be 96 in. (2438 mm) as measured from top of the protective surfacing material level. See **Elevation View** on next page. Fully tighten all bolts in accordance with torque specifications. See **Step 11**. Block and brace for concrete. Fill the footings with concrete to within 2 in. (51 mm) of ground level as shown in

the **Footing Detail**. Allow concrete to harden for 72 hours before proceeding with **Step 6**. After concrete has completely hardened, fill remainder of footing with dirt. Add protective surfacing material in accordance with page 3 of these instructions.

Step 6: Attach Frame Toppers to Shade Swing Frame then connect the support frames to the Frame Toppers, align the holes, and attach as shown.

Step 7: Attach Rafters to Frame Toppers. See **Detail C**, attach as shown.

Step 8: Prepare the Shade Fabric for placement. See **Detail D**.

Step 9: Lower the Shade Fabric onto the rafter assembly. See **Detail E**.

Step 10: Attach the Shade Fabric to the ends of the rafters. See **Detail F**. Apply a drop of thread locking adhesive to the end of the jaw fitting and attach as shown.

Important Note: When attaching the Fabric Shade to the Rafters, start with only one side of the shade, attach and tighten (flat washer and barrel nut). Repeat on the opposite side of the shade. Complete the final two connections. Create desired shade tension by tightening barrel nuts. After tensioned, tighten the jam nut to the barrel nut.

Final Details.

Step 11: Plumb and level the component. Tighten **all** fasteners. Fully tighten all fasteners according to tightening torque specifications.

Torque Specifications:

Bolts and nuts - Snug tighten and then tighten an additional one half turn.

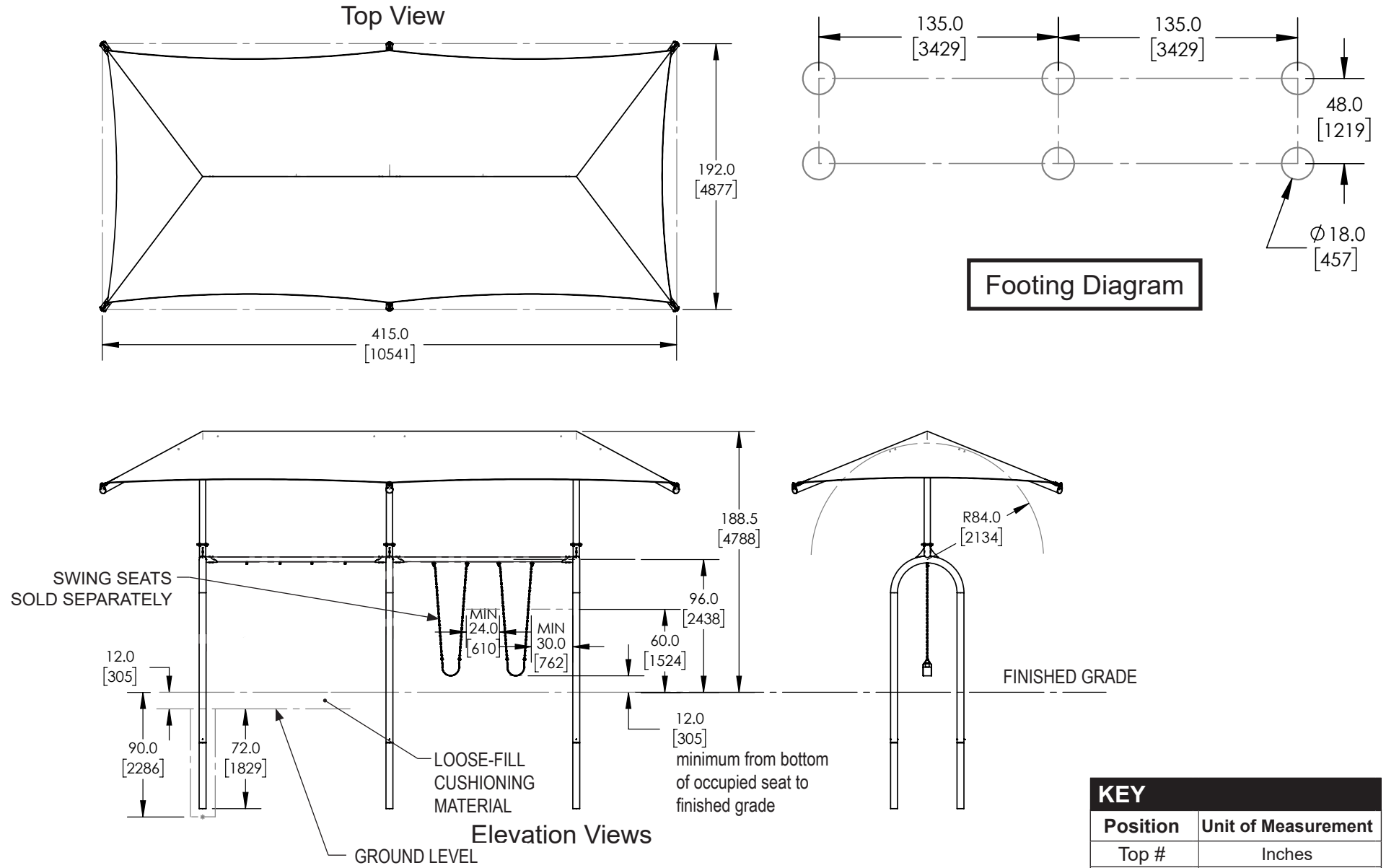
Step 12: Apply the Surfacing Warning labels to the Shade Swing Frame 48 in above surface level. Install age appropriate labels per "Placement of Age Appropriate Labels" located in Installations 101 in Installation Manual.

IMPORTANT NOTE: Remove the shade fabric when snow exceeds 5psf or winds exceeding 90 mph are expected. Store fabric in a non-harsh environment and cover for protection. Store all hardware with the shade fabric.

Installation Instructions

4-UNIT ARCH SWING SHADE

Rev. B

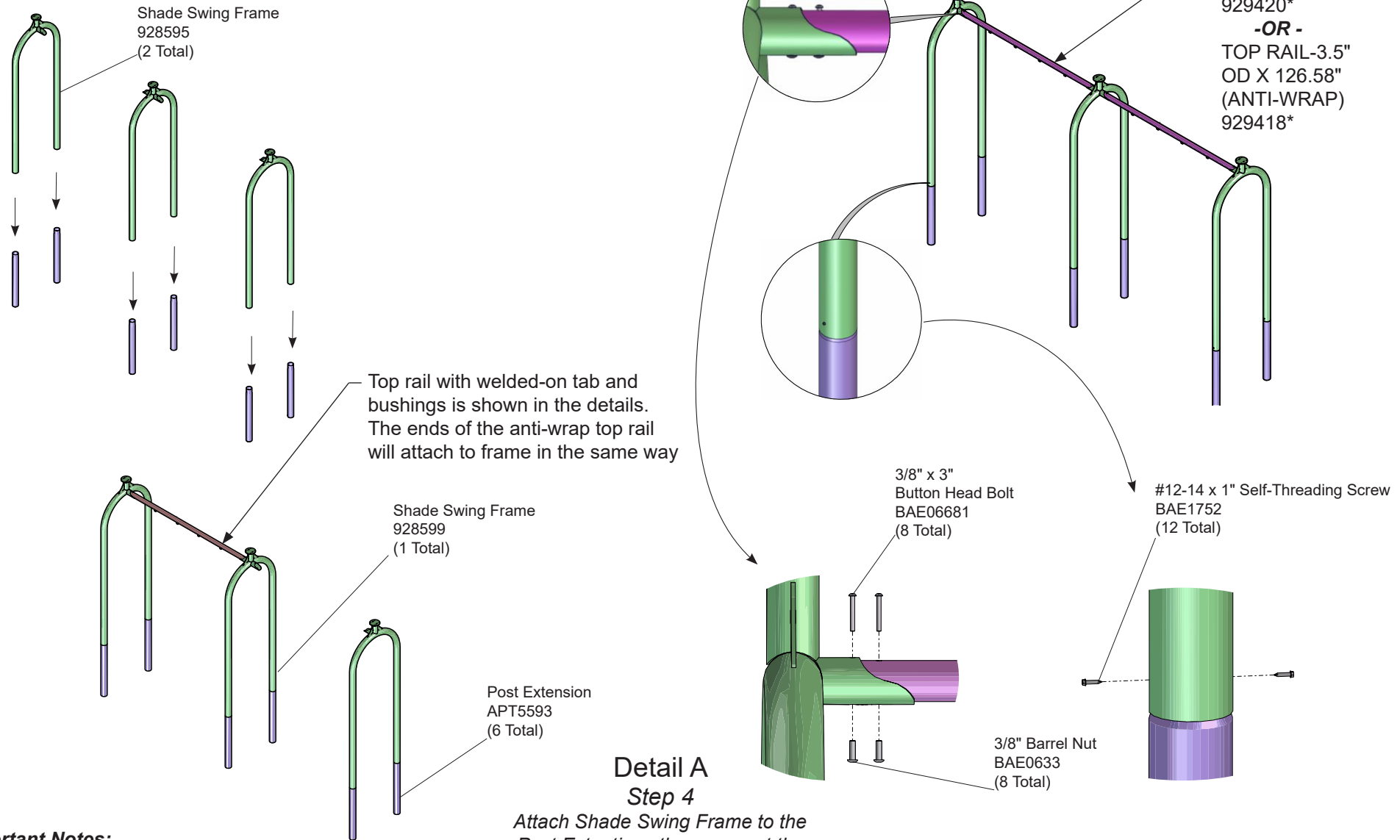


Installation Instructions

4-UNIT ARCH SWING SHADE

Rev. B

Follow the details in alphabetical order. For clarification, each detail references the step description. The step descriptions start on page 23.



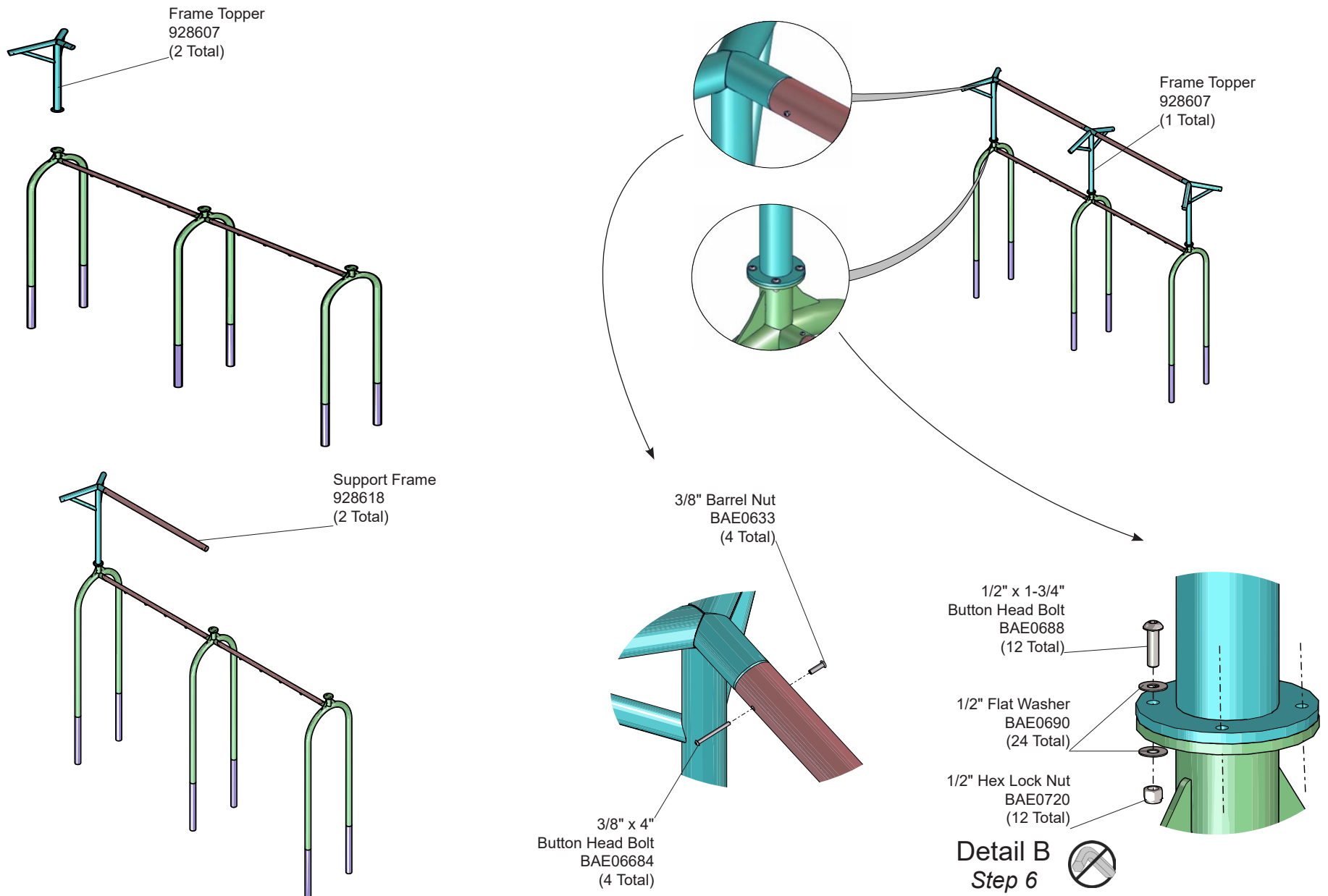
Important Notes:

- 1) See **Step 5 on Page 23** before proceeding to step 6.
- 2) Repeat this step until all of the lower assembly is finished.

Installation Instructions

4-UNIT ARCH SWING SHADE

Rev. B



Important Notes:

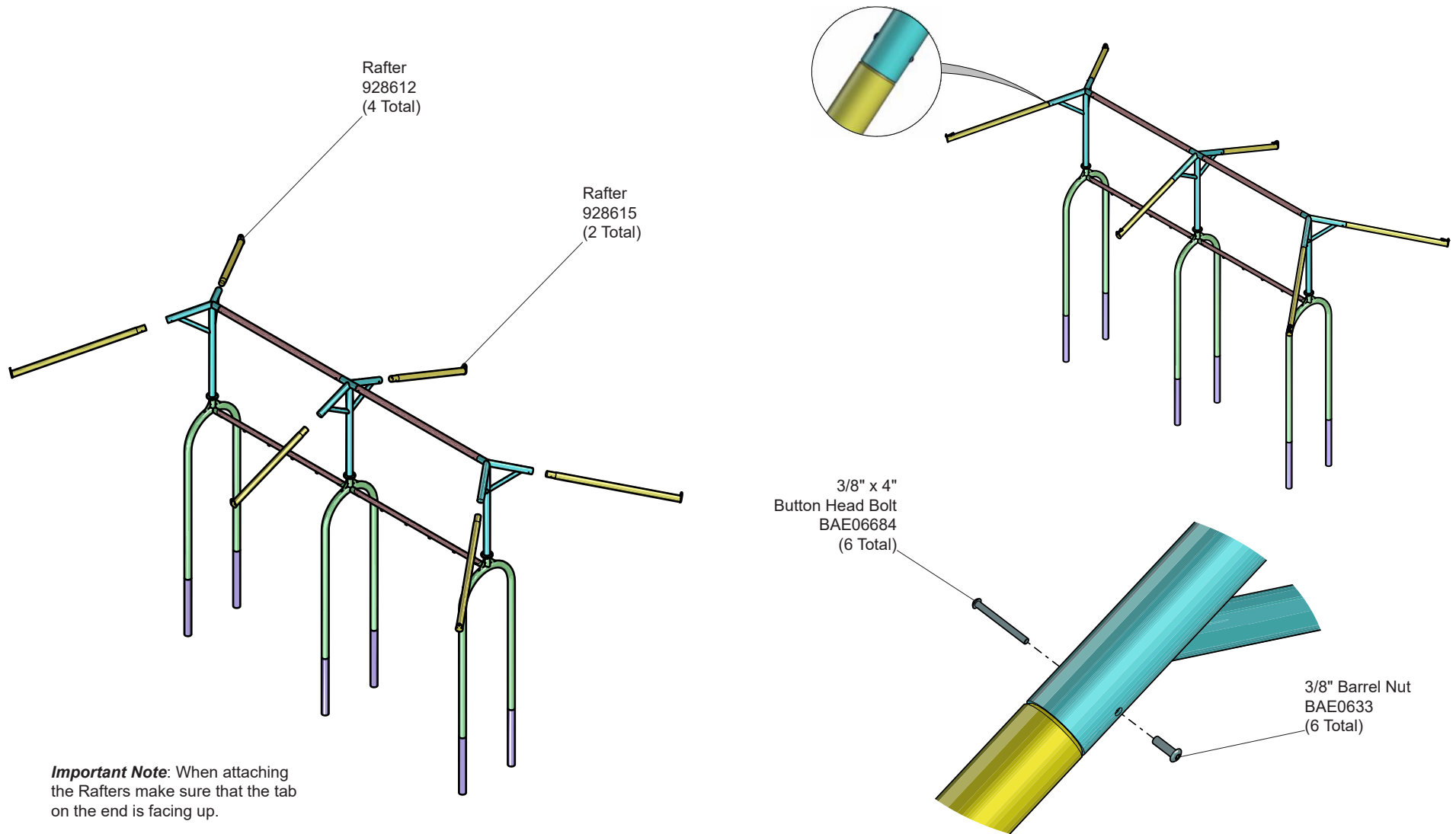
- 1) Repeat this step until all of the upper assembly is finished.

Attach Frame Toppers to Shade Swing Frame then connect the support frames to the Frame Toppers.

Installation Instructions

4-UNIT ARCH SWING SHADE

Rev. B

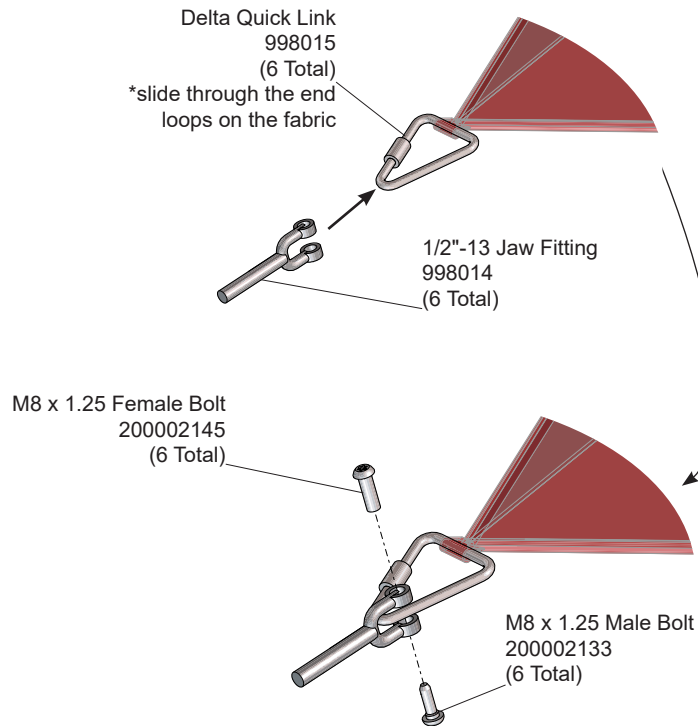


Detail C
Step 7
 Attach Rafters to Frame Toppers.

Installation Instructions

4-UNIT ARCH SWING SHADE

Rev. B



Detail D

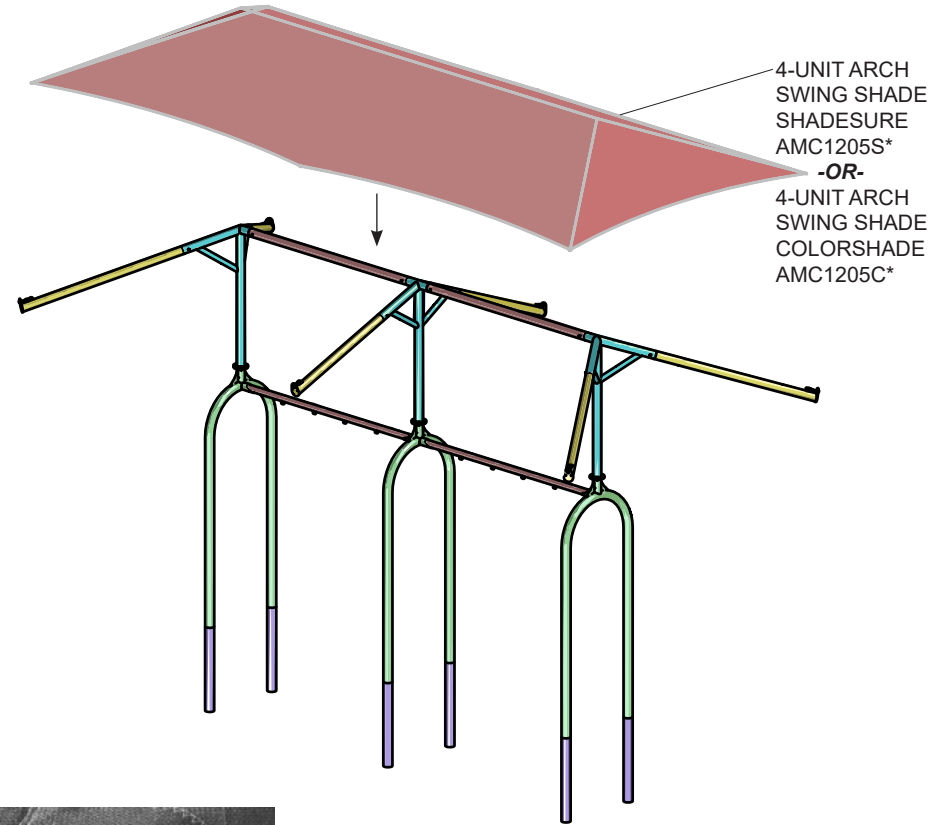
Step 8

Prepare the Shade Fabric for placement.

Cables not shown, see important Note



Important Note: Before attaching the Jaw Fitting to the Delta Quick Link, the fabric shade cable (part of the fabric shade) must be pulled down and placed underneath the Delta Quick Link (as shown above).



Detail E

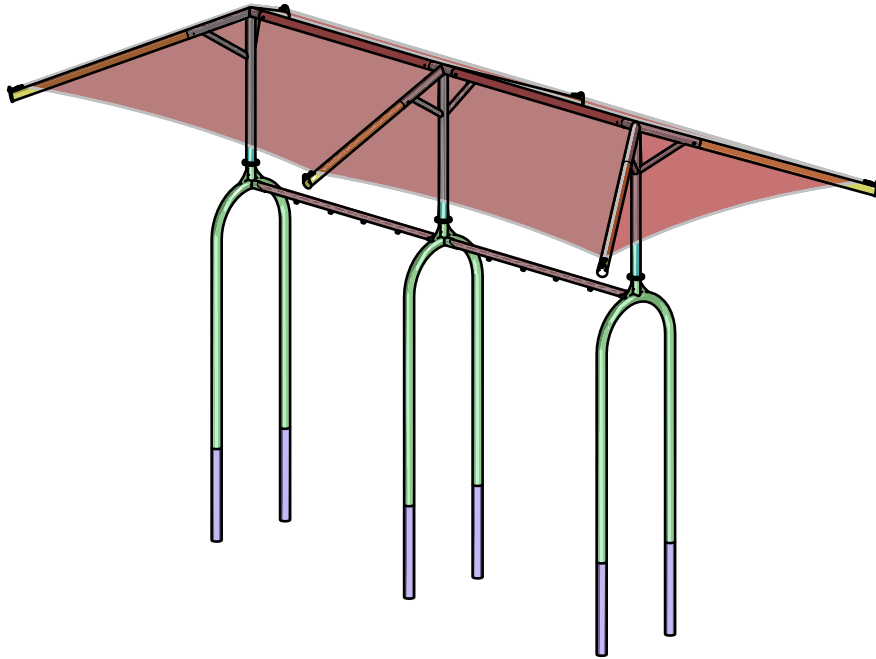
Step 9

Lower the Shade Fabric onto the rafter assembly.

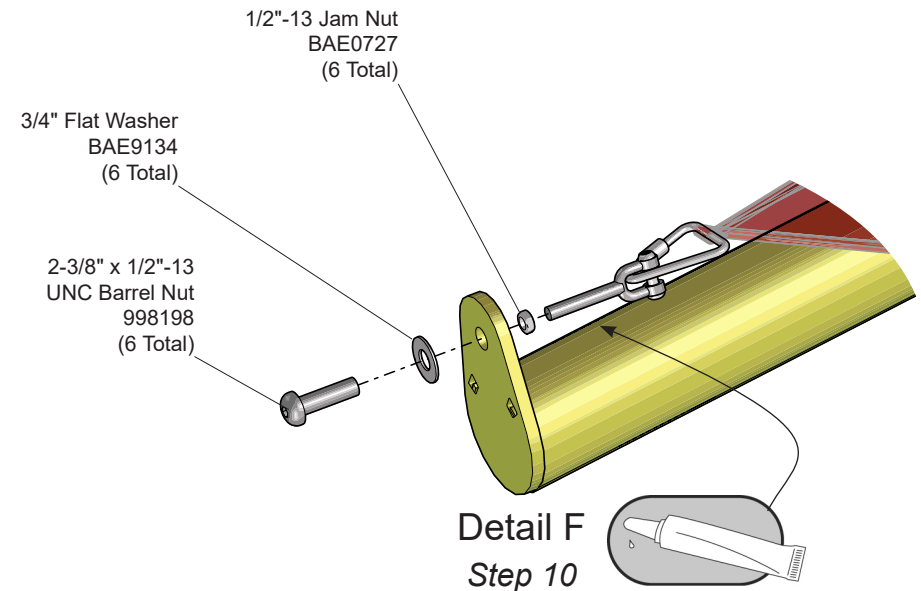
Installation Instructions

4-UNIT ARCH SWING SHADE

Rev. B



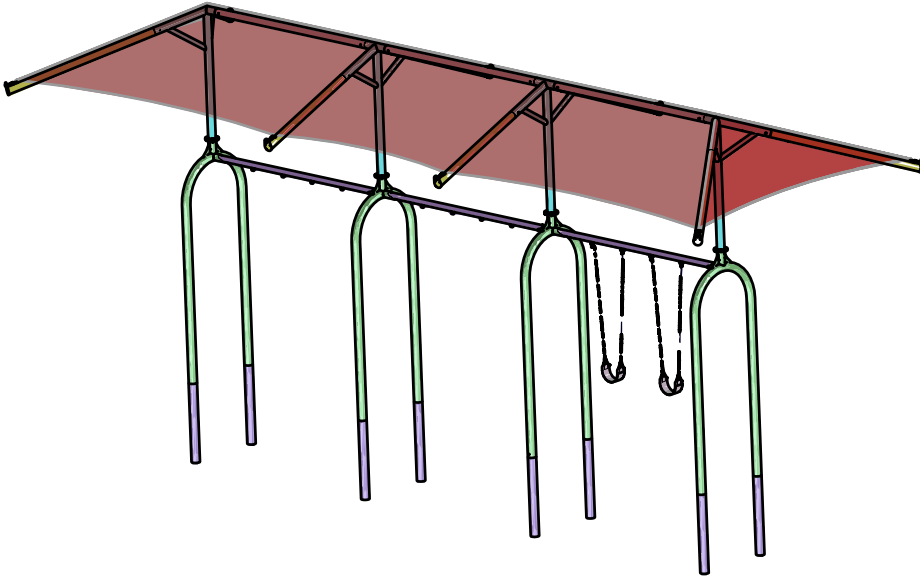
Important Note: When attaching the Fabric Shade to the Rafters, start with only one side of the shade, attach and tighten (flat washer and barrel nut). Repeat on the opposite side of the shade. Complete the final two connections. Create desired shade tension by tightening barrel nuts. **After tensioned**, tighten the jam nut to the barrel nut.



Attach the Shade Fabric to the ends of the Rafters.
Cables not shown

Installation Instructions 6-UNIT ARCH SWING SHADE

Rev. B



Assembly View (representative model)
Swing seats sold separately.

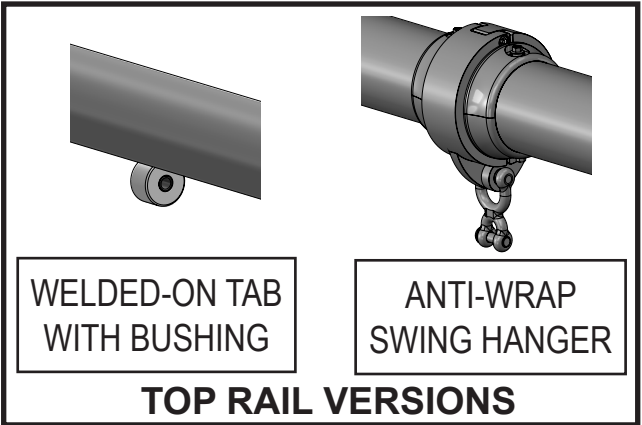
Installation Instructions

MODEL	DESCRIPTION	PAGE
LT0963	6-UNIT ARCH SWING SHADE	31
LT0963AW	6-UNIT ARCH SWING SHADE AW	31
LT0963FR	6-UNIT ARCH SWING SHADE FR	32
LT0963AWFR	6-UNIT ARCH SWING SHADE AW FR	32

NOTES: AW denotes anti-wrap; FR denotes flame retardant.

Installation Preparation

Recommended Crew: Four (4) adults
 Installation Time (In-Ground): 10 man-hours
 Concrete Required: 2.88 cubic yard (2,24 cubic meters)
 Use Zone: Refer to pages 2 and 3.



ICON KEY

	Fully Tighten Hardware		Critical Fall Height
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Add 1 Drop of Thread Locking Adhesive

Installation Instructions**6-UNIT ARCH SWING SHADE**

Rev. B

6-UNIT ARCH SWING SHADE Model LT0963		
CODE	DESCRIPTION	QTY
ZZM0963B*	5IN OD 6-UNIT ARCH SWING SHADE	1
AMC1206S*	6-UNIT ARCH SWING SHADE SHADESURE	1
929420*	TOP RAIL - 3.50" OD X 126.58"	3
930998	P/C FOR 2 AND 6-UNIT ARCH SWING SHADE	2
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
P/C FOR 2 AND 6-UNIT ARCH SWING SHADE 930998		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	4
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	4
998198	BARREL NUT 2-3/8" x 1/2"-13unc	4
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

6-UNIT ARCH SWING SHADE AW Model LT0963AW		
CODE	DESCRIPTION	QTY
ZZM0963B*	5IN OD 6-UNIT ARCH SWING SHADE	1
AMC1206S*	6-UNIT ARCH SWING SHADE SHADESURE	1
929418*	TOP RAIL-3.5"OD X 126.58" (ANTI-WRAP)	3
930998	P/C FOR 2 AND 6-UNIT ARCH SWING SHADE	2
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
932153	ANTI-WRAP 3-1/2" (2) W/EL0105 BOLTS	6
P/C FOR 2 AND 6-UNIT ARCH SWING SHADE 930998		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	4
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	4
998198	BARREL NUT 2-3/8" x 1/2"-13unc	4
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

Installation Instructions**6-UNIT ARCH SWING SHADE**

Rev. B

6-UNIT ARCH SWING SHADE FR Model LT0963FR		
CODE	DESCRIPTION	QTY
ZZM0963B*	5IN OD 6-UNIT ARCH SWING SHADE	1
AMC1206CDS	6-UNIT ARCH SWING SHADE COLORSHADE	1
929420*	TOP RAIL - 3.50" OD X 126.58"	3
930998	P/C FOR 2 AND 6-UNIT ARCH SWING SHADE	2
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
P/C FOR 2 AND 6-UNIT ARCH SWING SHADE 930998		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	4
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	4
998198	BARREL NUT 2-3/8" x 1/2"-13unc	4
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

6-UNIT ARCH SWING SHADE AW FR Model LT0963AWFR		
CODE	DESCRIPTION	QTY
ZZM0963B*	5IN OD 6-UNIT ARCH SWING SHADE	1
AMC1206C*	6-UNIT ARCH SWING SHADE COLORSHADE	1
929418*	TOP RAIL-3.5"OD X 126.58" (ANTI-WRAP)	3
930998	P/C FOR 2 AND 6-UNIT ARCH SWING SHADE	2
908530	HDWR BAG OF LABL F/2/12 IND EVENTS TIKES	1
932153	ANTI-WRAP 3-1/2" (2) W/EL0105 BOLTS	6
P/C FOR 2 AND 6-UNIT ARCH SWING SHADE 930998		
CODE	DESCRIPTION	QTY
998015	DELTA QUICK LINK 5/16"	4
998014	JAW FITTING (R.H.) CUST 1/2" x 4"	4
998198	BARREL NUT 2-3/8" x 1/2"-13unc	4
HDWR BAG OF LABL F/2/12 IND EVENTS TIKES 908530		
CODE	DESCRIPTION	QTY
200182848	LABEL ID/AGE 2-12/18MOS.-12YRS.	1
200182851	LABEL COVER CLEAR LAMINATE	1
116022	LABEL WARNING - PLAYGROUND - ENGLISH	1
300001537	LABEL "TOP OF SURFACE" #2B3794D (4X1)R/B	1
200182854	STICKER CIRCLE, AGE 2YR - 12YR	1
200182855	STICKER CIRCLE, AGE 18M - 12YR	1
116099	LABEL, PLAY SMART RULES	1

Installation Instructions

6-UNIT ARCH SWING SHADE

Rev. B

Notes Before You Begin: Do not over tighten bolts during assembly, only snug tighten them until assembly is complete unless otherwise instructed.

Carefully read and understand these installation instructions before you begin.

NOTES: The flame retardant shade (FR) will attach the same way as the non flame retardant shade. The top rail is available in two different versions: welded-on tabs with bushings, and anti-wrap (AW). Both top rail versions will attach the same way to the frame. See customer specific model for correct versions of shade and top rail.

DETAILS A through F are on pages 35 - 39.

Step 1: Before attempting to assemble your equipment, please review all installation information carefully. Should you experience any difficulty during the installation process, please call Little Tikes Commercial customer service.

Step 2: Separate and identify all components and hardware.

Step 3: Excavate footings as shown in the **Support Post Footing Details** on page 5 of this installation document.

Step 4:

For top rail with welded-on tabs with bushings: Attach Shade Swing Frame to the post extensions, then connect the top rail to the shade swing frame and attach as shown in **DETAIL A**.

For top rail with anti-wrap swing hangers: Mark the top rail for swing hanger placement as shown on **page 6**. Then attach Shade Swing Frame to the post extensions, then connect the top rail to the shade swing frame and attach as shown in **Detail A**. Attach anti-wrap swing hangers to top rail in the previously marked locations as shown on **pages 7 - 8**.

Step 5: Place the swing frame assembly into previously excavated footings. Square and level the swing frame assembly at specified footing depth. Top rail height shall be 96 in. (2438 mm) as measured from top of the protective surfacing material level. See **Elevation View** on next page. Fully tighten all bolts in accordance with torque specifications. See **Step 11**. Block and brace for concrete. Fill the footings with concrete to within 2 in. (51 mm) of ground level as shown

in the **Footing Detail**. Allow concrete to harden for 72 hours before proceeding with **Step 6**. After concrete has completely hardened, fill remainder of footing with dirt. Add protective surfacing material in accordance with page 3 of these instructions.

Step 6: Attach Frame Toppers to Shade Swing Frame then connect the Support Frame to the Frame Topper. See **Detail B**, align the holes, and attach as shown.

Step 7: Attach Rafters to Frame Toppers. See **Detail C**, attach as shown.

Step 8: Prepare the Shade Fabric for placement. See **Detail D**.

Step 9: Lower the Shade Fabric onto the rafter assembly. See **Detail E**.

Step 10: Attach the Shade Fabric to the ends of the rafters. See **Detail F**. Apply a drop of thread locking adhesive to the end of the jaw fitting and attach as shown.

Important Note: When attaching the Fabric Shade to the Rafters, start with only one side of the shade, attach and tighten (flat washer and barrel nut). Repeat on the opposite side of the shade. Complete the final two connections. Create desired shade tension by tightening barrel nuts. After tensioned, tighten the jam nut to the barrel nut.

Final Details.

Step 11: Plumb and level the component. Tighten **all** fasteners. Fully tighten all fasteners according to tightening torque specifications.

Torque Specifications:

Bolts and nuts - Snug tighten and then tighten an additional one half turn.

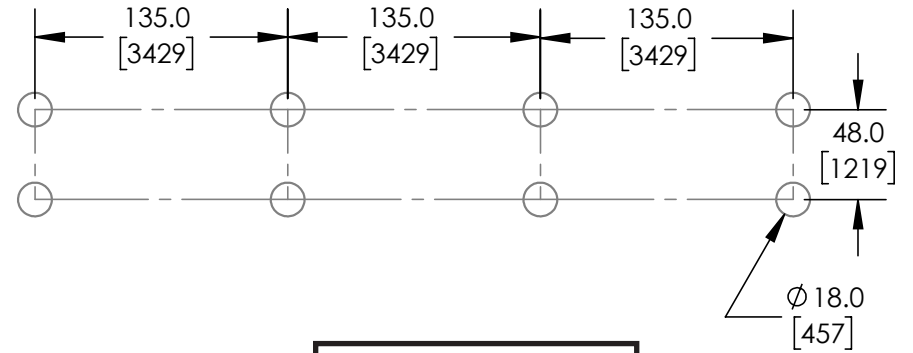
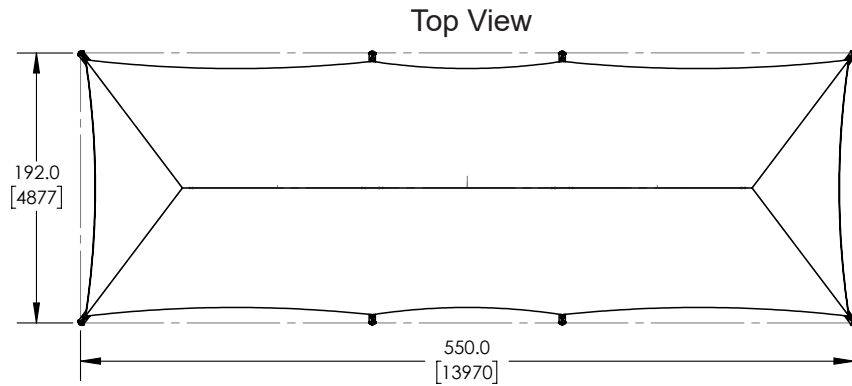
Step 12: Apply the Surfacing Warning labels to the Shade Swing Frame 48 in above surface level. Install age appropriate labels per "Placement of Age Appropriate Labels" located in Installations 101 in Installation Manual.

IMPORTANT NOTE: Remove the shade fabric when snow exceeds 5psf or winds exceeding 90 mph are expected. Store fabric in a non-harsh environment and cover for protection. Store all hardware with the shade fabric.

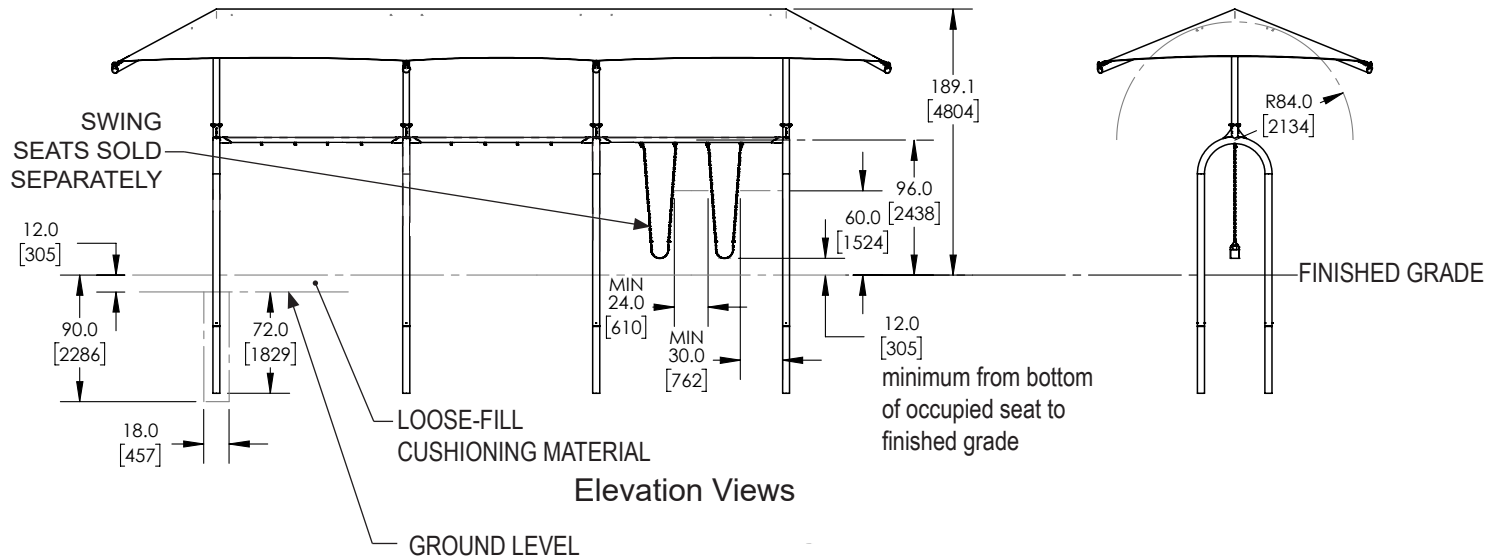
Installation Instructions

6-UNIT ARCH SWING SHADE

Rev. B



Footing Diagram

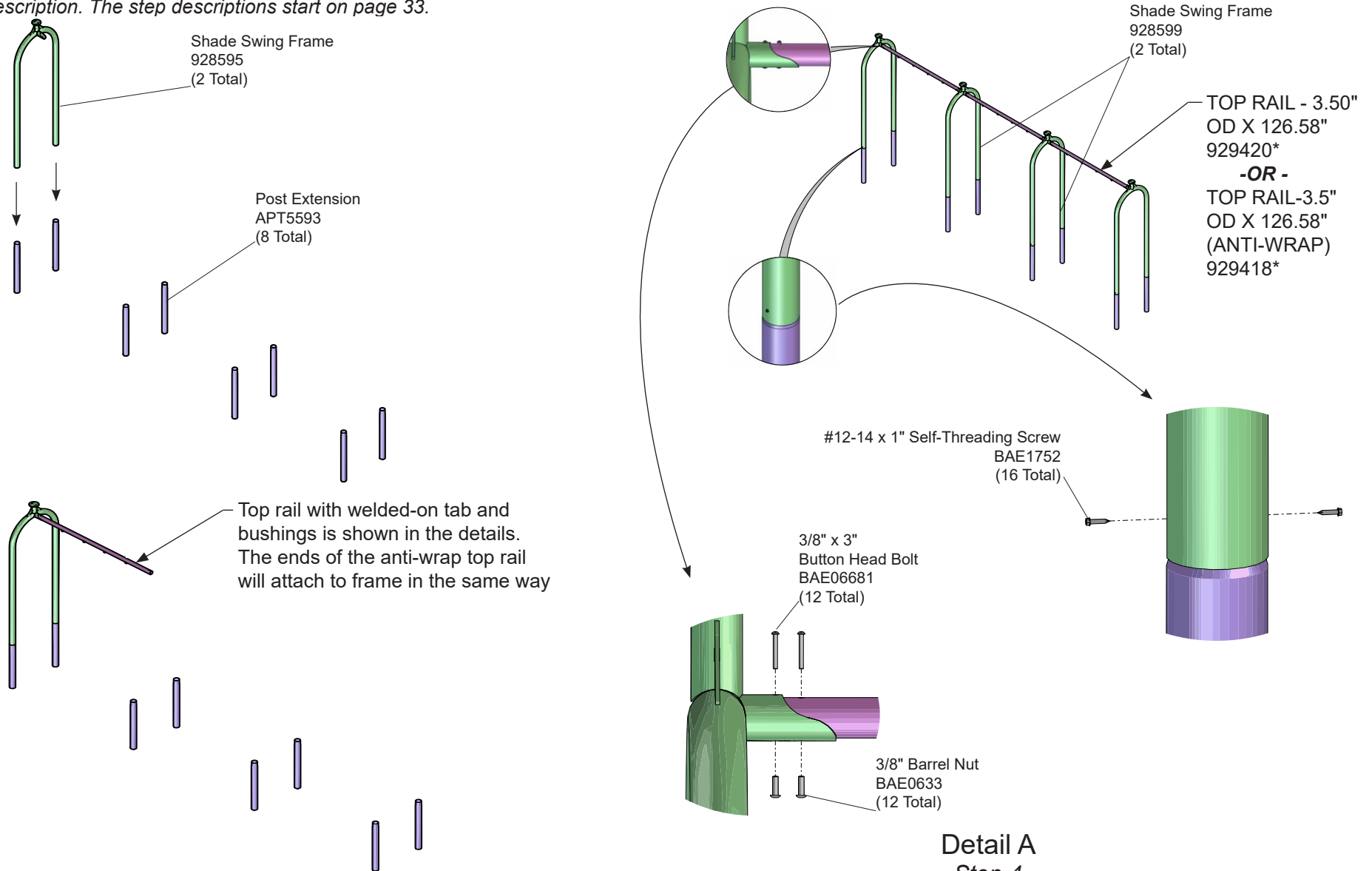


KEY	
Position	Unit of Measurement
Top #	Inches
Bottom #	[Millimeters]

Installation Instructions 6-UNIT ARCH SWING SHADE

Rev. B

Follow the details in alphabetical order. For clarification, each detail references the step description. The step descriptions start on page 33.



Important Notes:

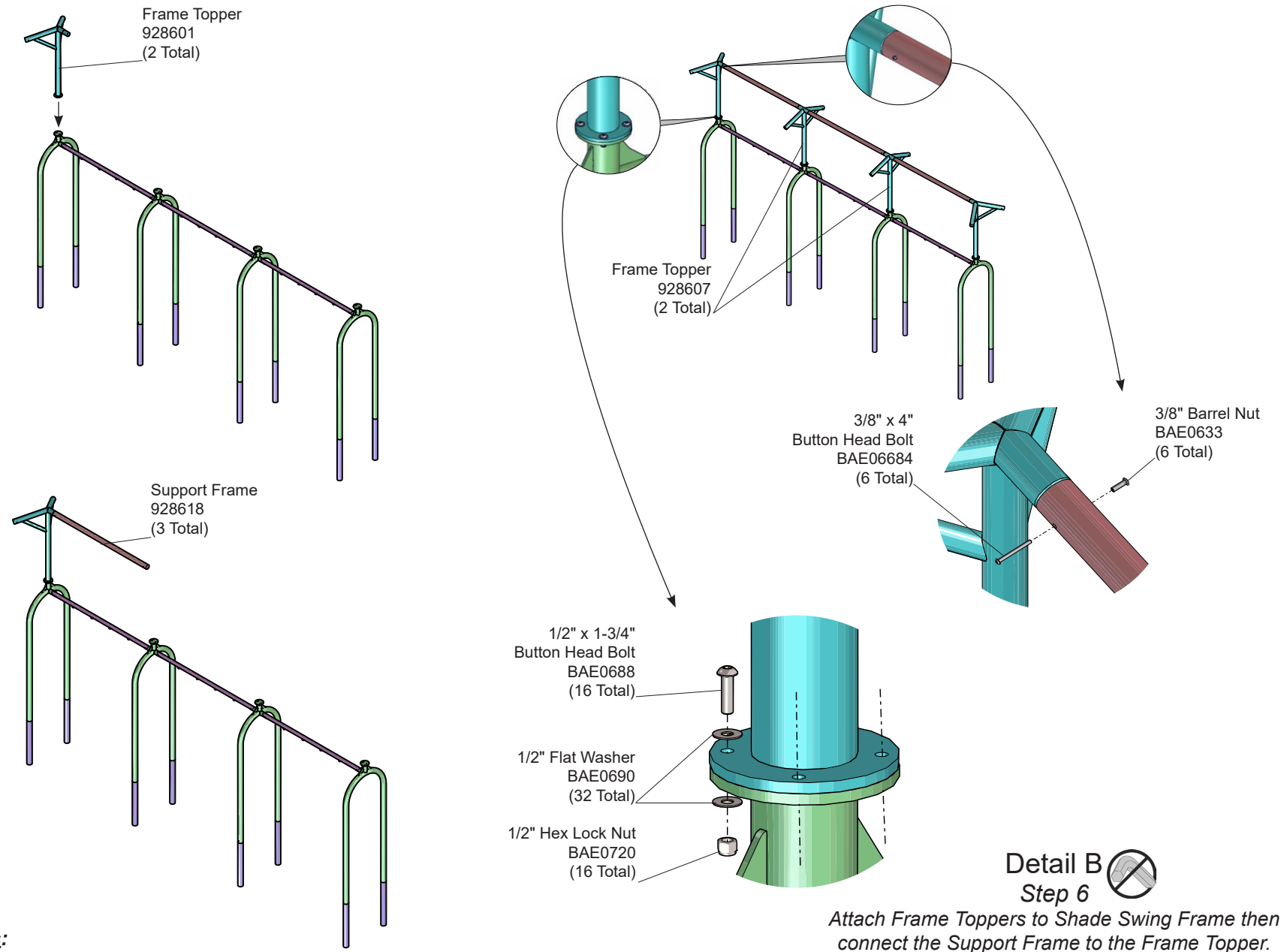
- 1) See **Step 5** on **Page 33** before proceeding to step 6.
- 2) Repeat this step until all of the lower assembly is finished.

Attach Shade Swing Frame to the Post extensions
then the Top Rail to the Shade Swing Frame.

Installation Instructions

6-UNIT ARCH SWING SHADE

Rev. B



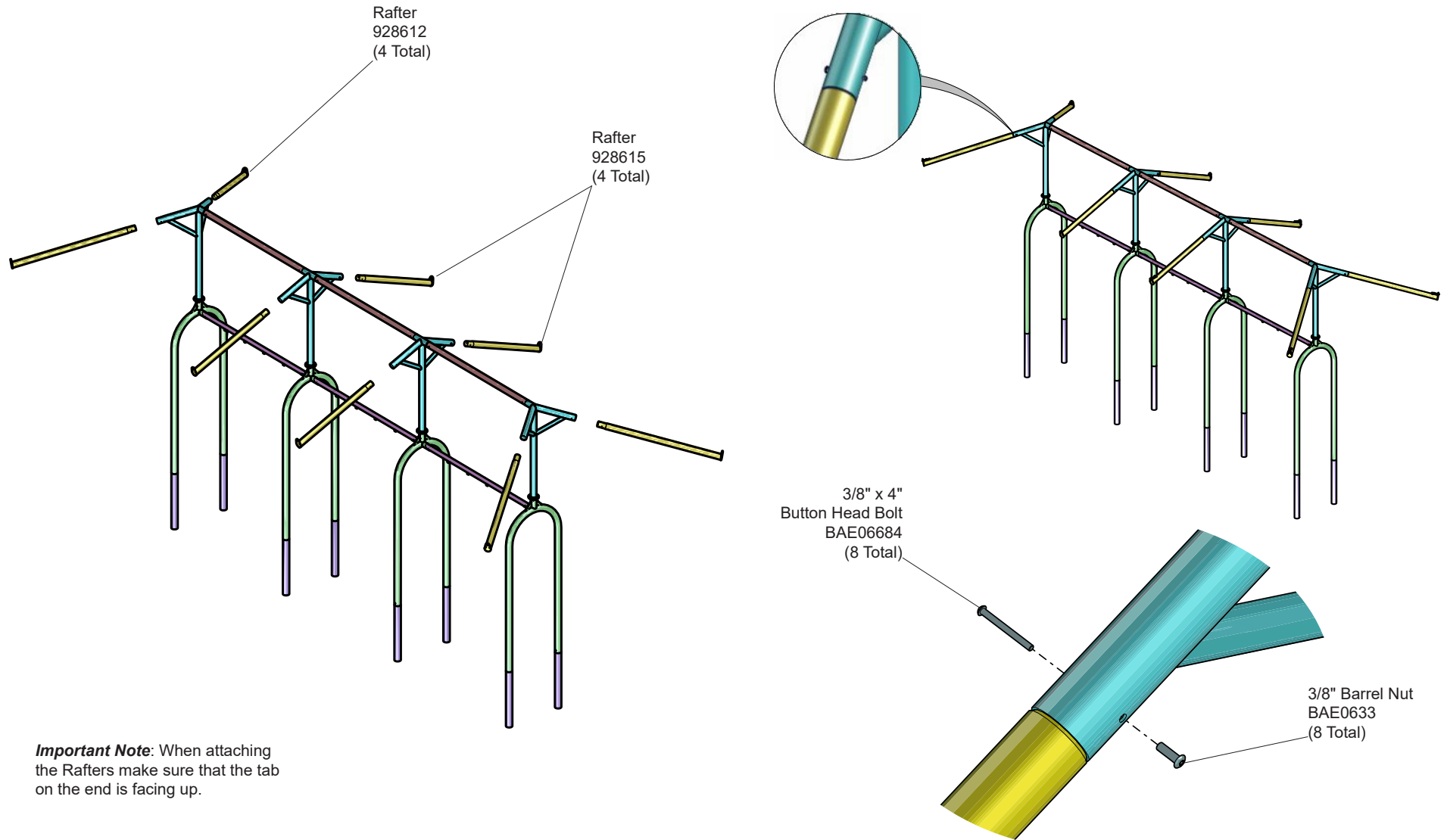
Important Notes:

- 1) Repeat this step until all of the upper assembly is finished.

Installation Instructions

6-UNIT ARCH SWING SHADE

Rev. B



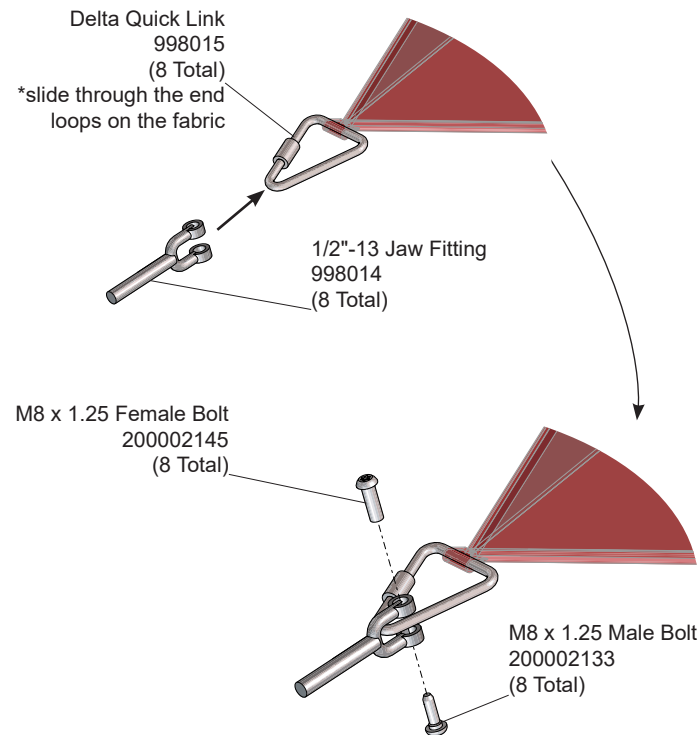
Important Note: When attaching the Rafters make sure that the tab on the end is facing up.

Detail C
Step 7
 Attach Rafters to Frame Toppers.

Installation Instructions

6-UNIT ARCH SWING SHADE

Rev. B

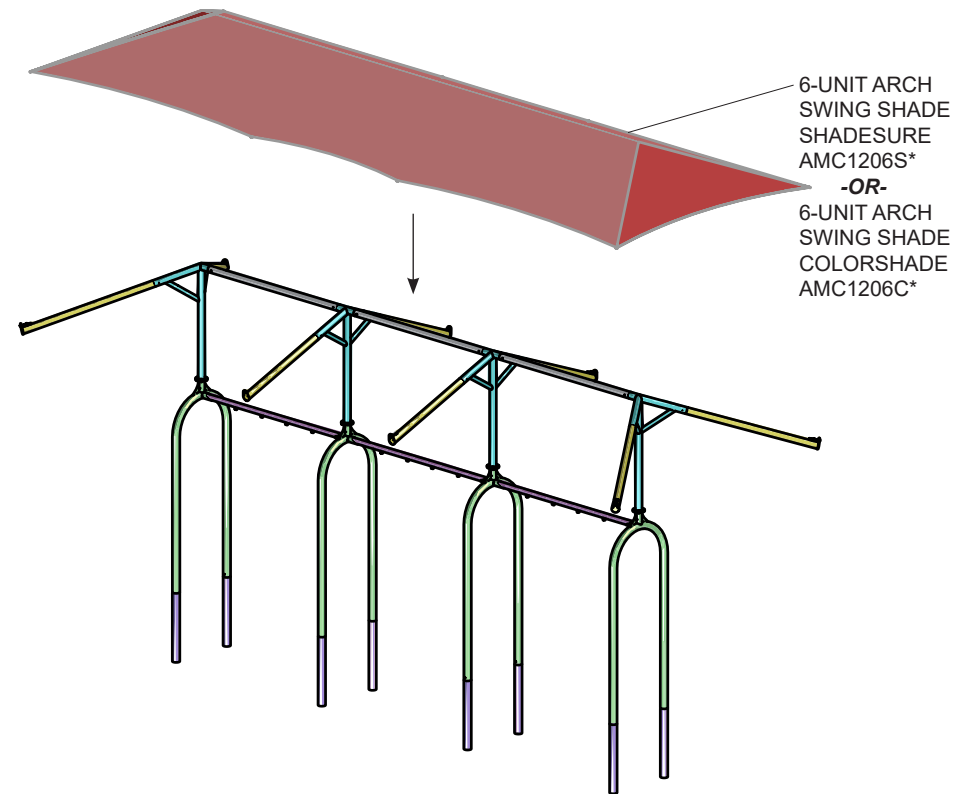


Detail D

Step 8

Prepare the Shade Fabric for placement.

Cables not shown, see important Note



Detail E

Step 9

Lower the Shade Fabric onto the rafter assembly.

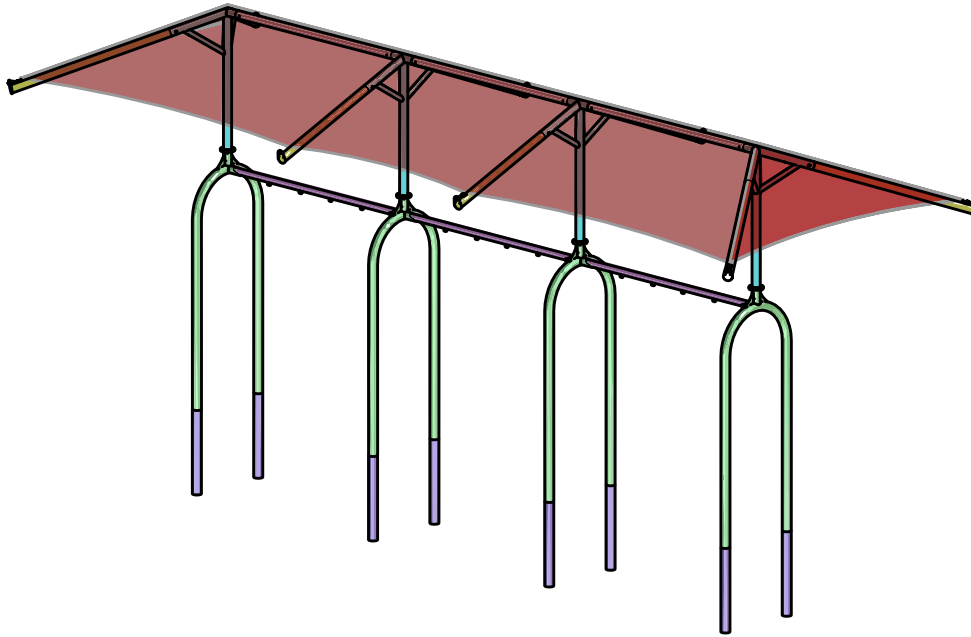


Important Note: Before attaching the Jaw Fitting to the Delta Quick Link, the fabric shade cable (part of the fabric shade) must be pulled down and placed underneath the Delta Quick Link (as shown above).

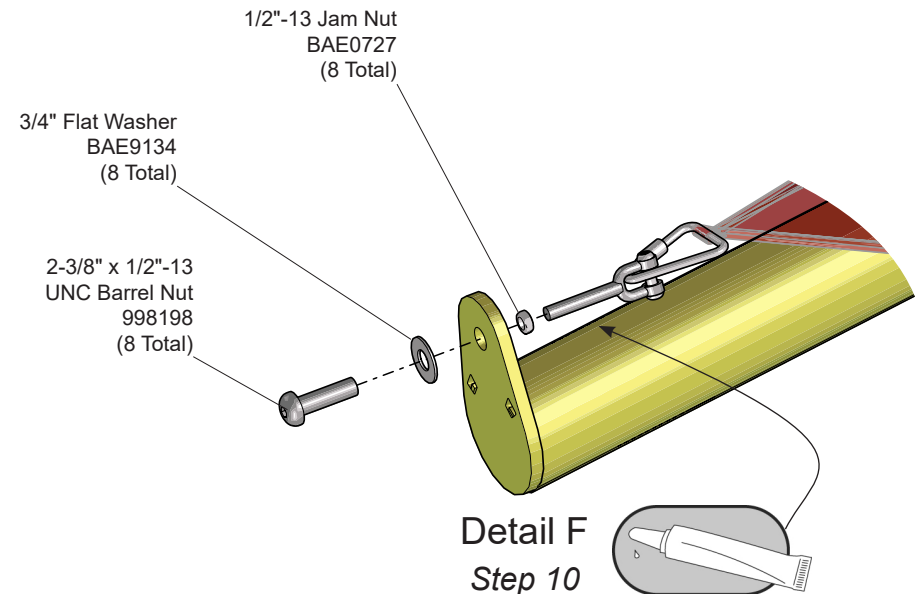
Installation Instructions

6-UNIT ARCH SWING SHADE

Rev. B



Important Note: When attaching the Fabric Shade to the Rafters, start with only one side of the shade, attach and tighten (flat washer and barrel nut). Repeat on the opposite side of the shade. Complete the final two connections. Create desired shade tension by tightening barrel nuts. **After tensioned**, tighten the jam nut to the barrel nut.



Attach the Shade Fabric to the ends of the Rafters.
Cables not shown

Equipment Maintenance

Rev. B

Fasteners

- Inspect for loose fasteners.
Tightening torque specifications are:
Bolts and Nuts: Snug tighten and tighten an additional one-half turn.
- Inspect drive rivets to insure they are intact and secure.
- Inspect for missing, worn or broken fasteners. If any missing, worn or broken fasteners are found, refer to the installation instructions for proper replacement fastener. If any damage is detected, barricade equipment to prevent use until repair is completed. Contact your sales representative immediately for a replacement part.

Welds

- Inspect all welded joints. If any broken welds are detected, barricade equipment to prevent use until repair is completed. Contact your sales representative immediately for a replacement part.

Finish

- Inspect metal parts for finish damage.
To repair painted surfaces, sand damaged area with sandpaper and wipe clean. Mask area and paint with primer and allow to dry. Paint primed area with color-matching paint and allow to dry. Recoat area with color-matching paint if required. Drying time is approximately 8 hours between coats.

Footings

- Inspect component to be solid in footing and secure. If any damage is detected, barricade equipment to prevent use until repair is completed.

Surfacing

- Raking loose-fill surfacing material back into dug out and displaced areas is necessary at frequent intervals to maintain the impact absorption qualities.
- Loose-fill materials must be replenished when the surface level drops below the minimum level to maintain proper depth in accordance with your equipment's critical fall height.
- Eliminate areas of standing water by improving site drainage.
- Contact manufacturer of unitary surfacing material for specific instructions and product to use for cleaning spots and stains.
- Contact manufacturer of unitary surfacing material if rips, tears or missing material is noticed. Follow the manufacturer instructions regarding the appropriate actions necessary for the repair.

Labels

- Inspect all applied labels to ensure labels are secure, not faded or damaged. Contact your local representative if replacement labels are needed.

Replacement Parts

- Refer to your installation instructions to obtain replacement part number.
- Contact your sales representative or call Little Tikes Commercial Customer Service for a replacement part.

Shade

- Inspect the hardware for tightness or damage.
- Inspect the fabric for rips or tears.
- Inspect the shade for sags, re-tension as necessary.

MODEL	DESCRIPTION
LT0961	2-UNIT ARCH SWING SHADE
LT0961AW	2-UNIT ARCH SWING SHADE AW
LT0961FR	2-UNIT ARCH SWING SHADE FR
LT0961AWFR	2-UNIT ARCH SWING SHADE AW FR

MODEL	DESCRIPTION
LT0962	4-UNIT ARCH SWING SHADE
LT0962AW	4-UNIT ARCH SWING SHADE AW
LT0962FR	4-UNIT ARCH SWING SHADE FR
LT0962AWFR	4-UNIT ARCH SWING SHADE AW FR

MODEL	DESCRIPTION
LT0963	6-UNIT ARCH SWING SHADE
LT0963AW	6-UNIT ARCH SWING SHADE AW
LT0963FR	6-UNIT ARCH SWING SHADE FR
LT0963AWFR	6-UNIT ARCH SWING SHADE AW FR

Inspection Form

Rev. B

- Be sure that you are using a copy of this Inspection Form and not your original.
- Use the Inspection Codes listed below and record condition of equipment at time of examination on the Inspection Checklist.
- Document any item from the Inspection Checklist that will require maintenance along with any corrective action on the Maintenance Schedule.
- Be sure to include appropriate dates and signatures on each section to properly document maintenance procedure.

Preventive Maintenance ... for Safety's Sake!

INSPECTION CHECKLIST

	Frequency	Inspection Code	Date	Date Repairs Completed
Inspect surfacing to insure proper depth and distribution.	High			
Inspect the shade fabric for damage and tension.	Medium			
Inspect metal parts for structural and finish damage.	Medium			
Inspect for loose, missing, worn, or broken fasteners.	High			
Inspect footing to insure support is secure and footing is not damaged.	Low			

Inspection Codes
P = Pass **F** = Fail
NA = Not Applicable

Inspector: Name (Please Print) _____ Signature: _____ Date: ___ / ___ / ___

MAINTENANCE SCHEDULE

Item in Question	Description of Problem	Corrective Action	Date

Repairer: Name (Please Print) _____ Signature: _____ Date: ___ / ___ / ___



Project Number: R0341250025

PlayArea: PlayArea_3 | KidBuilders

Project Name:

Project Location:

Sales Representative:

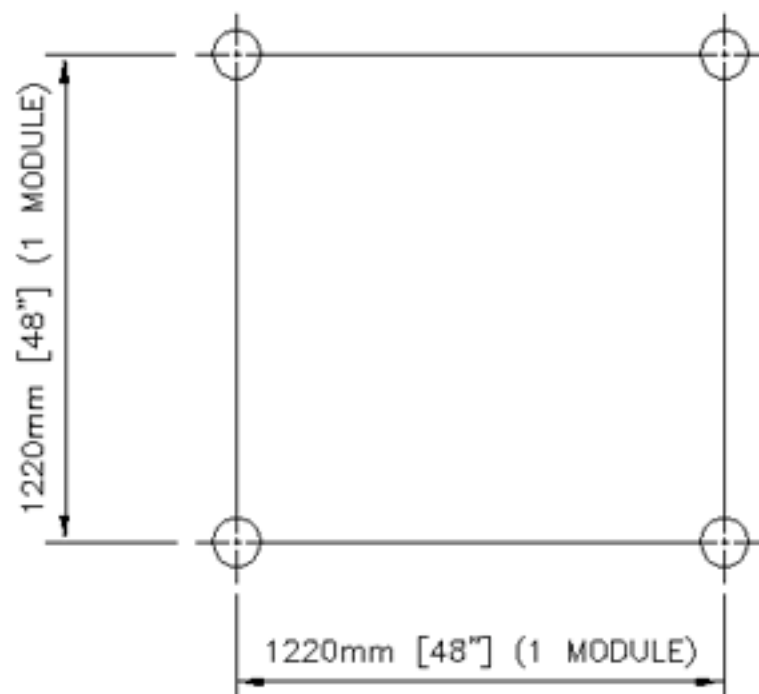
Pacific Park and Play
PO Box 1909
Huntington Beach, CA 92647
(714)846-4885
(714)8463485

Installation Instructions

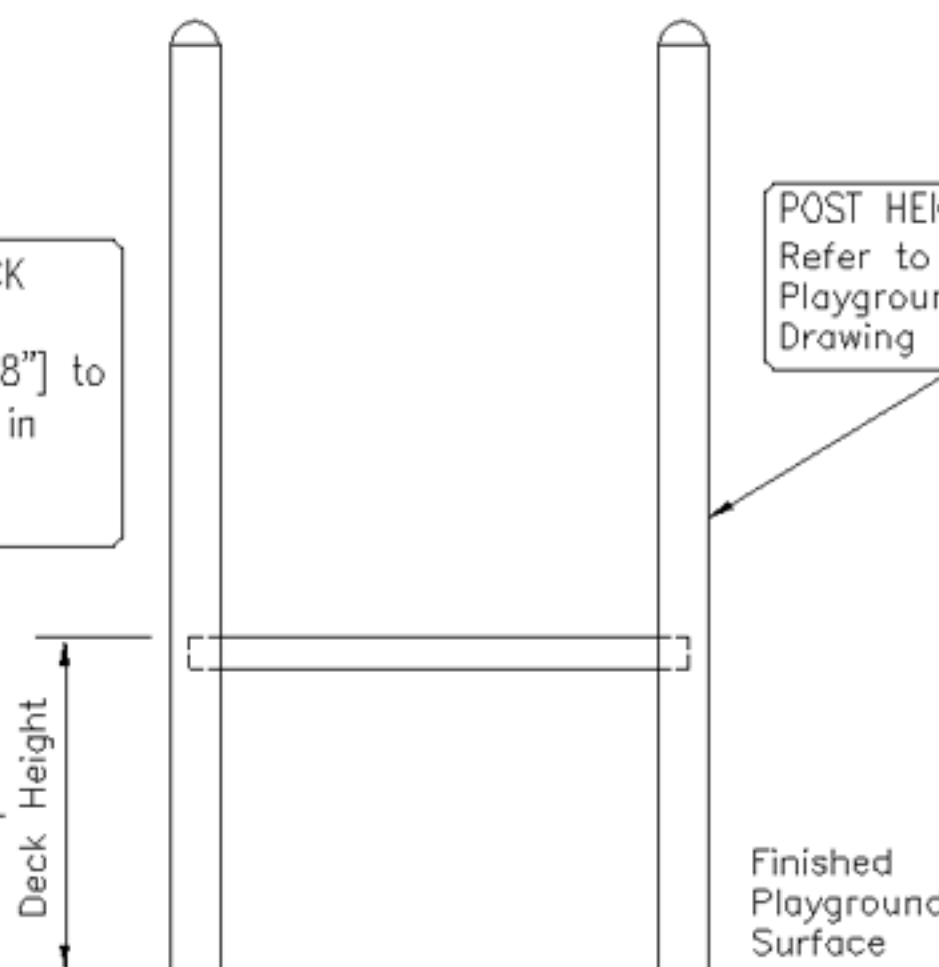
Please, read all information in this manual
before starting to install your equipment.

Date: 2/6/2025 12:00:00 AM

Posts and decks of the Kid Builders system are based on a module of 1220mm [48"] x 1220mm [48"]



STANDARD DECK HEIGHTS:
From 203mm[8"] to 2440mm[96"] in 203mm[8"] increments.



POST HEIGHTS:
Refer to
Playground Layout
Drawing

Finished
Playground
Surface

NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS

BEFORE STARTING INSTALLATION OF YOUR KID BUILDERS PLAYGROUND, "PLEASE READ INSTRUCTIONS THOROUGHLY"

AUTHORIZED BY:
Chris M. MacLennan 15MAR01

SITE REQUIREMENTS:

The Kid Builder system is designed to suit a level site. Should there be any falls or slopes on the site, care should be taken to accommodate the entry and exit points and to maintain the correct heights.

The site must be checked for adverse or unusual conditions. i.e.

- 1) Exposed, cracked or loose concrete footings.
- 2) Worn, scattered or compressed surface material.
- 3) Exposed roots, rocks or other environmental obstacles that form potential trip hazards.
- 4) Broken glass, refuse, or foreign objects around and on play equipment.
- 5) Poor drainage areas.
- 6) All sites especially those close to existing buildings must be checked for electrical or gas lines and drainage before digging.

MAINTENANCE:

As the owner, it is most important that you are aware of your responsibility for the safe use of your new play equipment. It is necessary to install equipment correctly according to the installation instructions provided and inspect the equipment regularly at intervals specified within the "Maintenance Manual," located in your maintenance kit. During inspection, if any part is found to be damaged or excessively worn, equipment should immediately be put out of service while the part is replaced. Lack of "maintenance" will result in premature wear, reduced life expectancy and possible failure.

All Little Tikes Commercial Play Systems playevents have been designed and engineered to meet all applicable safety guidelines, but if installed improperly, problems may occur such as: protruding hardware, entrapment gaps between 89mm[3.5"] to 228.6mm [9"], or string entanglements. Make certain the runout heights on all slides match what is recommended on the instruction page for that model number. Any accessible bolt ends that protrude beyond the face of the nut by more than two threads should be trimmed and peened smooth by the installer. Once your installation is complete, always inspect your work. Installation must be done to the manufacturer's assembly manual and applicable safety guidelines and/or standards.

ALL CHILDREN SHOULD BE SUPERVISED WHILE PLAYING ON EQUIPMENT.

SAFETY AREAS:

The area immediately surrounding and above the play structure must be free of obstructions such as: buildings, trees, other play equipment, etc., and must be kept clear for entries, exits, traffic and falls. Make sure your site has the required surfacing and fall area designated on your Playground Layout Drawings.

INSTALLATION MANUAL:

We have tried to make this installation manual as comprehensive and factual as possible. Please note from time to time information may be changed or updated. Equipment shown or described throughout this manual may be changed. The right is reserved to make changes at any time without notice.

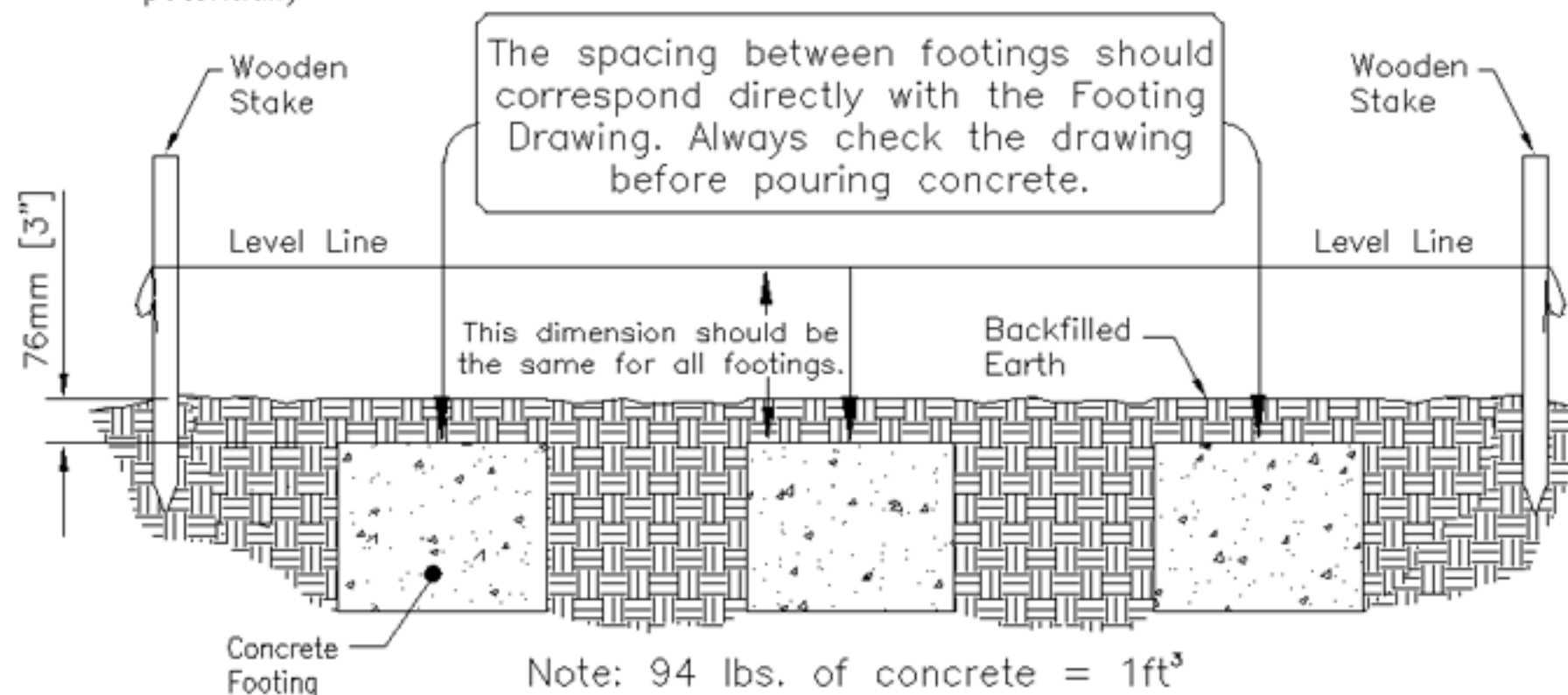
THE ORDER OF ASSEMBLY:

- 1) Prepare your site. (Consideration is necessary for installing the talk tube on a structure. See Site Preparation Guidelines, or Talk Tube instructions for details.)
- 2) If you are using an Anchor bolt, you will need to pour concrete at least 48 hours in advance. Do not leave any open holes overnight. (Never leave a structure overnight in a potentially hazardous condition, i.e. open footing holes, open decks, exposed concrete, without roping off the area and posting warning signs. It is always best if the construction is scheduled such that the entire installation can be performed in one day, however, with larger structures this may be difficult.)
- 3) Start with the lowest deck and four posts. Calculate the location of the deck top on the first post by adding 991 [39"] to the deck height. Mark the post then install as shown. (See Square Deck installation instructions for further details. THE INSTALLATION OF THE FIRST DECK IS CRITICAL TO PROPERLY INSTALLING THIS EQUIPMENT, SO MAKE SURE THE POSTS AND DECK ARE AT THE PROPER HEIGHT AND ARE PLUMB AND LEVEL.
- 4) Place this assembly in the footings. If you are sure the first deck assembly is correctly positioned, you may pour the four post footings at this time to help stabilize the structure. If installing the Surface Mount method, move the assembly to the proper location. Use the feet as templates, drill bolt holes and secure the structure to the footings.
- 5) If a Deck to Deck Plate, Ladder Panel, or Interstep Deck are to be attached to the first deck, assemble the bottom edge to the deck edge. See individual instructions for details.
- 6) Attach the next deck to two posts and move the posts into the footing holes and level the deck. Attach the two open corners of the deck to the previous deck assembly posts. Finish installing the deck to deck attachment by assembling it to the edge of the upper deck.
- 7) Attach any structure linking events or overheads to the deck assemblies, such as Crawl Tunnels, Clatter Bridges, Burmese Bridges, Suspension Bridges, Challenge Ladders, etc. Continue to add the remaining decks and deck attachments to the existing structure until all platforms are in place.
- 8) Make sure the structure is level and the decks are at the proper height. Install any roofs or enclosures.
- 9) Install all remaining events.
- 10) Tighten all hardware and install clamp drive pins. Be sure to use as many as the instructions call out.
- 11) Place warning labels on the structure. Inspect playground for protruding hardware, entrapment gaps between 89mm [3-1/2"] to 229mm [9"], and string entanglements. Make sure the runout heights on all slides match what is recommended on the instruction page for that model number. Any accessible exposed bolt ends that protrude beyond the face of the nut more than two threads should be trimmed and peened by the installer.
- 12) Install resilient surfacing on the entire "use zone".

MAKING LEVEL FOOTINGS:

By using wooden stakes and stringing a level line, you can determine the proper height for your concrete. If available, a surveyor's transit will also be helpful.

Determine ground level at the lowest footing location and pour concrete in this location first. This level will be your datum plane. (The point at which all other footing heights are referenced from.) Pour the rest of the footings up to 76mm[3"] from the level of the datum plane. Make sure that all measurements from the top of the poured footing to the level line are the same. (Hint: If installing a surface mount structure, concrete should be poured at least 48 hours in advance of the playground being installed to ensure maximum holding potential.)



Note: 94 lbs. of concrete = 1ft³
207 grams = 0.041m³

If installing with the Inground method, you must always backfill footings with at least 76mm[3"] of earth after concrete has cured (not shown).

SUGGESTED TOOLS:

- | | |
|---------------------------------------|----------------------------------|
| - 2 Magnetic Levels | - Extension Cords |
| - 1 1220[48"] Carpenter's Level | - Water Supply/Garden Hose |
| - 2 Measuring Tapes | - Wooden Stakes |
| - 1 Felt Tip Pen | - Concrete (in some cases) |
| - 1 Sledge Hammer or Rubber Mallet | - Some sort of digging equipment |
| - 1 610mm-915mm [24"-36"] Bolt Cutter | - Transit |
| - 1 Roll of String | - Adjustable Wrenches |
| - Ratchets for M10 Torx Service Drive | - Metric Socket Set |
| - Electric Drill | - Various Drill Bits |
| - C-Clamps | - Wheel Barrow |
| - Saw Horses | - Ladders |
| - Resilient Ground Cover | - Generator/ Power Source |



WARNING

INSTALLATION OVER A HARD SURFACE SUCH AS CONCRETE, ASPHALT, OR PACKED EARTH MAY RESULT IN SERIOUS INJURY OR DEATH FROM FALLS.

L'INSTALLATION SUR SURFACE DURE TELLE QUE DU CIMENT, DE L'ASPHALTE OU DE LA TERRE BATTUE PEUT CAUSER DE SERIEUSES BLESSURES OU MEME LA MORT EN CAS DE CHUTE.

INSTALACION SOBRE UNA SUPERFICIE DURA, TAL COMO CONCRETO, ASFALTO O TERRENO COMPACTADO, PUEDE PROVOCAR QUE UNA CAIDA CAUSE LESIONES SERIAS O INCLUSO LA MUERTE.

Little Tikes Commercial Play Systems Inc.
P.O. Box 897
Farmington, MO 63640

For more information, call Little Tikes
Commercial Play Systems Inc.
at 1-888-458-2737 or 1-573-756-4591

← This label has been provided by Little Tikes Commercial Play Systems Inc. for the purpose of informing the user of the safety risk involved if a fall onto a hard surface occurs.

It is important when installing your play equipment to display this label in a prominent location on each structure.

This label should be placed such that it will:

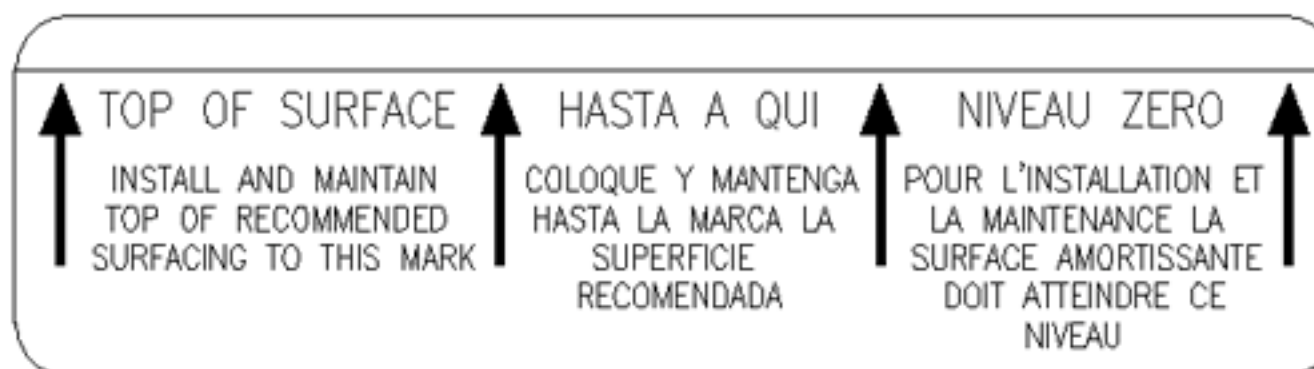
- (1) Be readily visible to the intended viewer and,
- (2) Alert the viewer to the potential hazard in time to take appropriate action.

Do not place this label in a high traffic area or in a location of excessive wear. If the label becomes illegible, destroyed, or removed, it is necessary for the operator to replace the label as soon as possible.

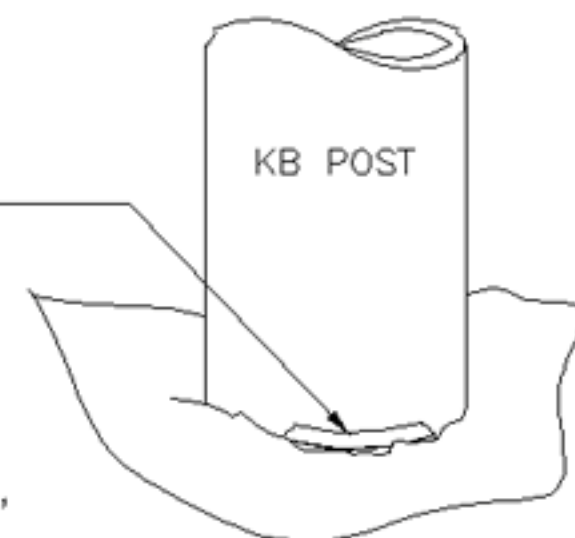
SLIDE INSTALLATION:

Due to manufacturing variability, the actual slide footing dimensions may vary from the installation instruction dimensions by as much as 50mm [2"]. Actual footing locations should be determined by positioning assembled equipment.

If you are in need of Material Safety Data Sheets pertaining to the use and handling of any maintenance materials such as touch-up paint, vinyl repair kits or for product such as, Kid Tiles adhesive or urethane top coatings, please contact our Customer Service Department at 1(800)325-8828. They will be able to provide you with the information you require.

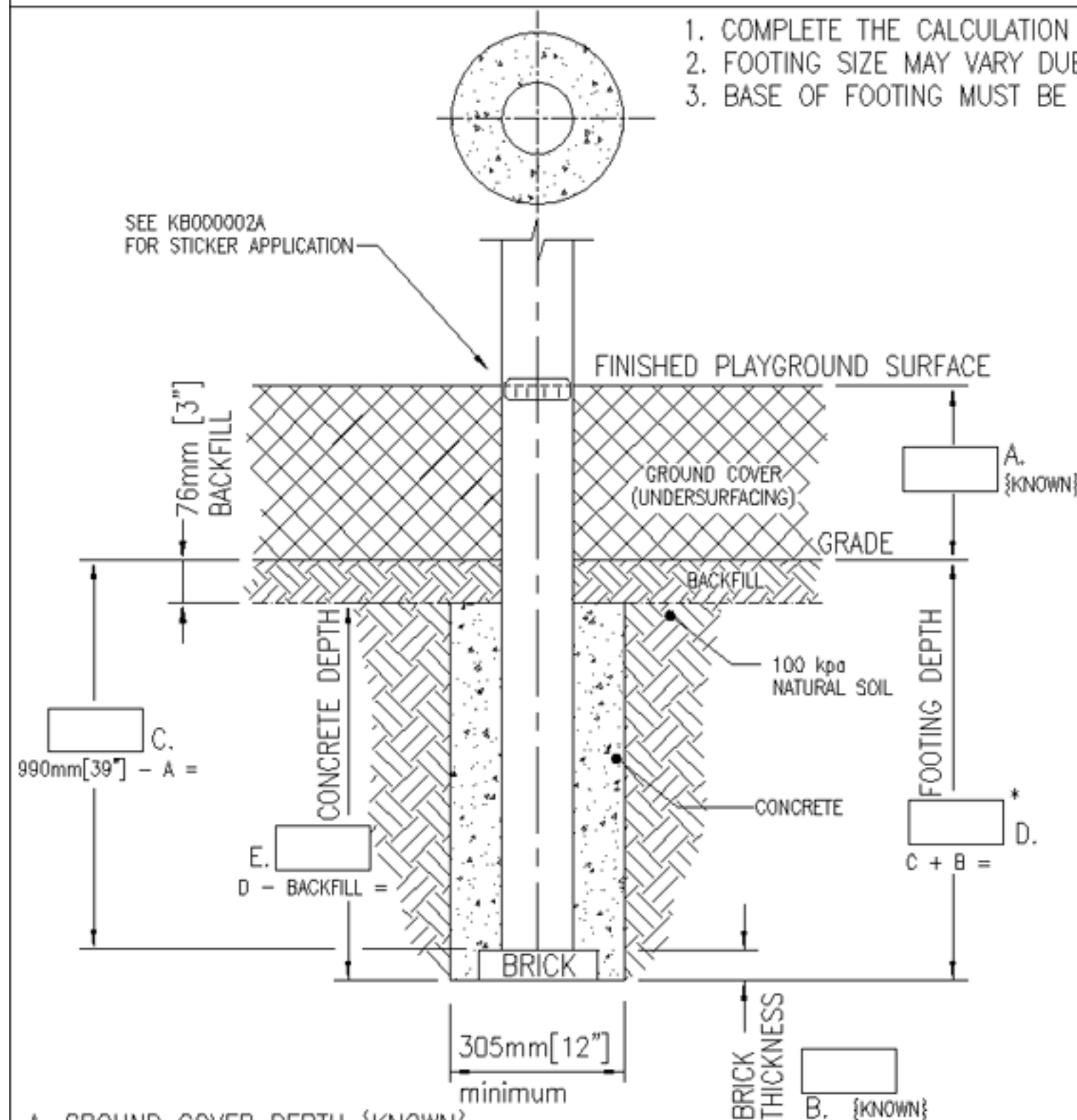


The sticker shown here has been provided to assist with the maintenance of your ground cover. After installing the ground cover, these stickers should be placed on the post by the installer (as shown). Peel the backing away from the sticker and attach it to the post so that the line is level with the top of your ground cover. As erosion or compaction of surfacing occurs, the line will be visible. This will indicate that it is time to add material to your surfacing.



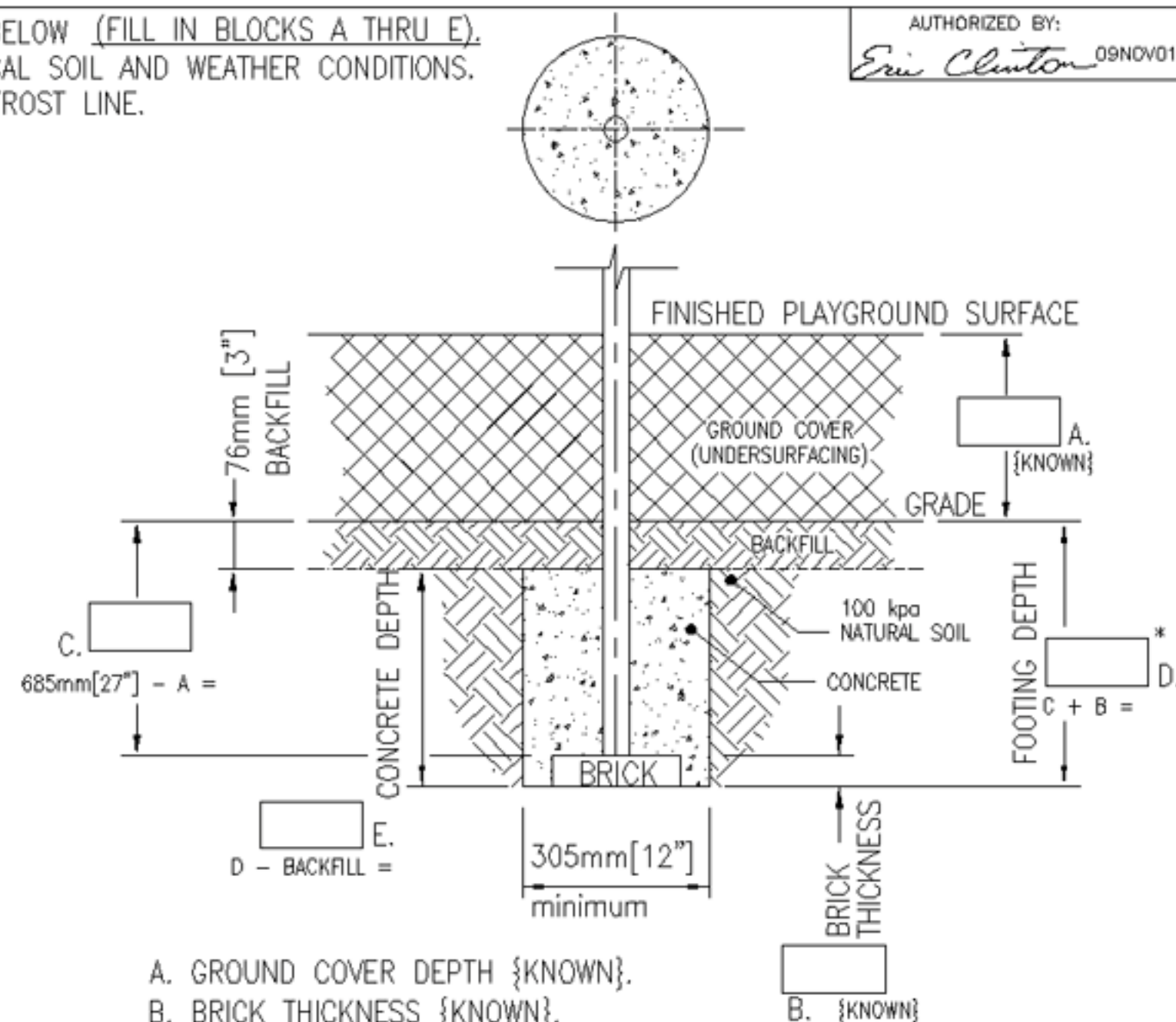
1. COMPLETE THE CALCULATION SHEET BELOW (FILL IN BLOCKS A THRU E).
2. FOOTING SIZE MAY VARY DUE TO LOCAL SOIL AND WEATHER CONDITIONS.
3. BASE OF FOOTING MUST BE BELOW FROST LINE.

SEE KB000002A
FOR STICKER APPLICATION



- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C. $990\text{mm}[39"] - A$ BECAUSE $A + C$ SHOULD ALWAYS EQUAL $990\text{mm}[39"]$
- D. FOOTING DEPTH = $[C] + \text{BRICK THICKNESS}$.
- *MINIMUM $610\text{mm}[24"] + \text{BRICK THICKNESS}$ FOOTING DEPTH REQUIRED
- E. CONCRETE DEPTH = FOOTING DEPTH $[D] - 76\text{mm}[3"]$ (BACKFILL).

KB POST FOOTING - INGROUND



- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C. $685\text{mm}[27"] - A$

BECAUSE $A + C$ SHOULD ALWAYS EQUAL $685\text{mm}[27"]$

- D. FOOTING DEPTH = $[C] + \text{BRICK THICKNESS}$.

- *MINIMUM $305\text{mm}[12"] + \text{BRICK THICKNESS}$ FOOTING DEPTH REQUIRED
- E. CONCRETE DEPTH = FOOTING DEPTH $[D] - 76\text{mm}[3"]$ (BACKFILL).

KB PLAYEVENT FOOTING - INGROUND

HOW MUCH CONCRETE?

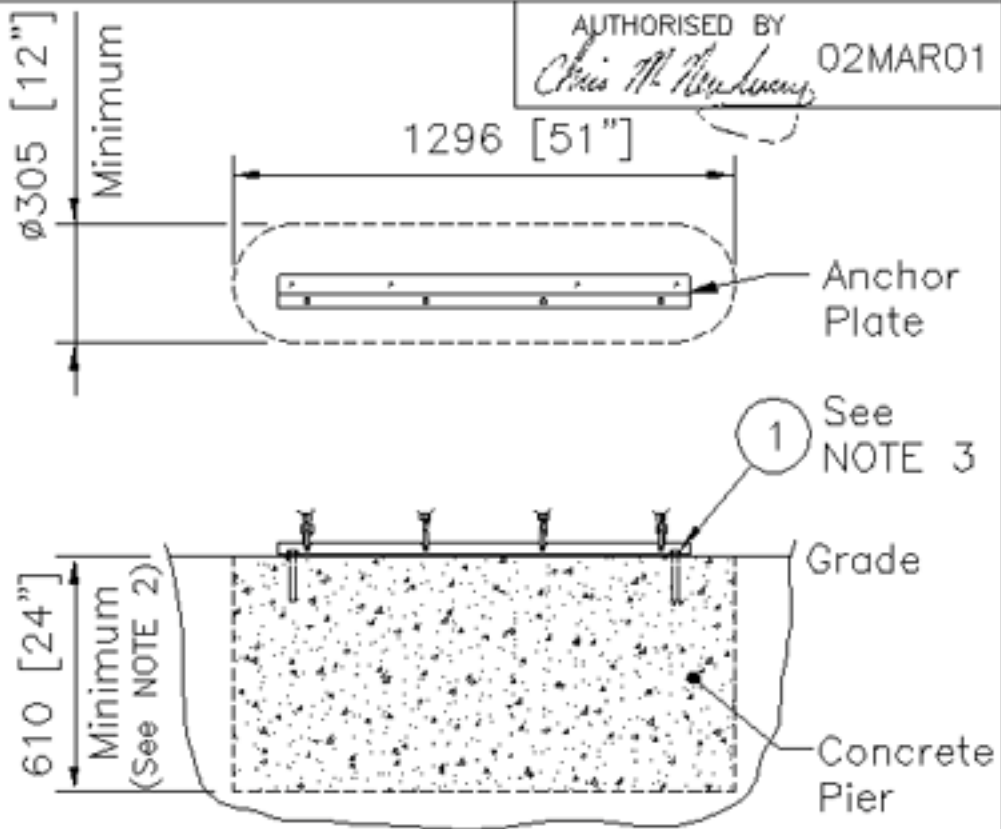
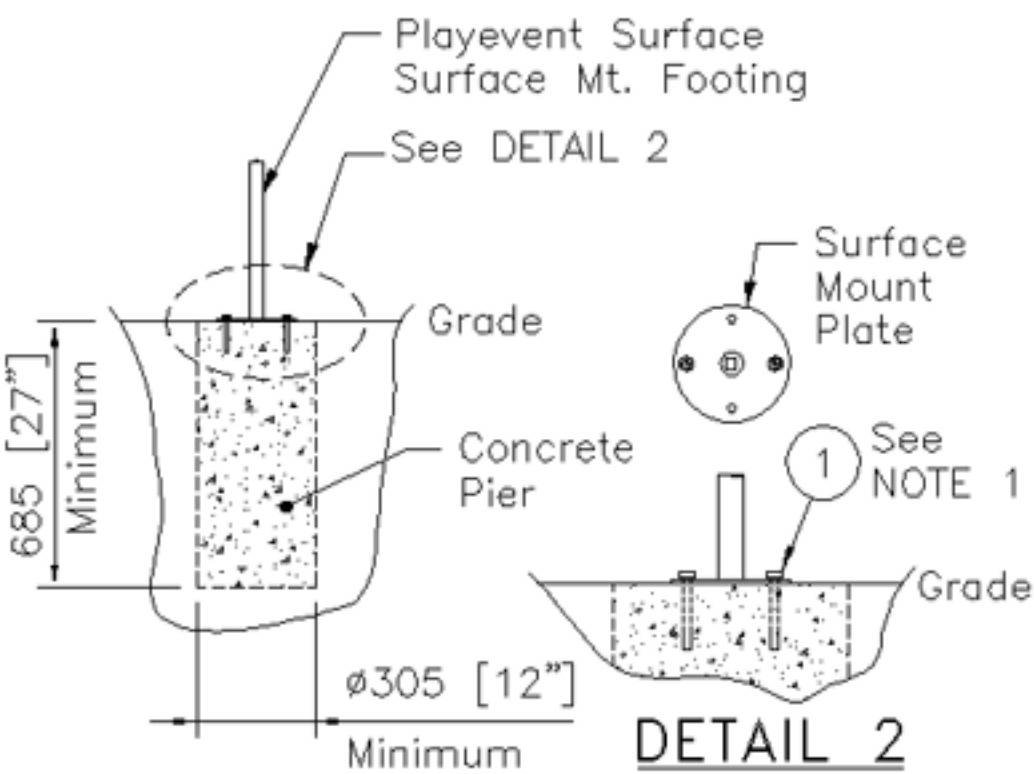
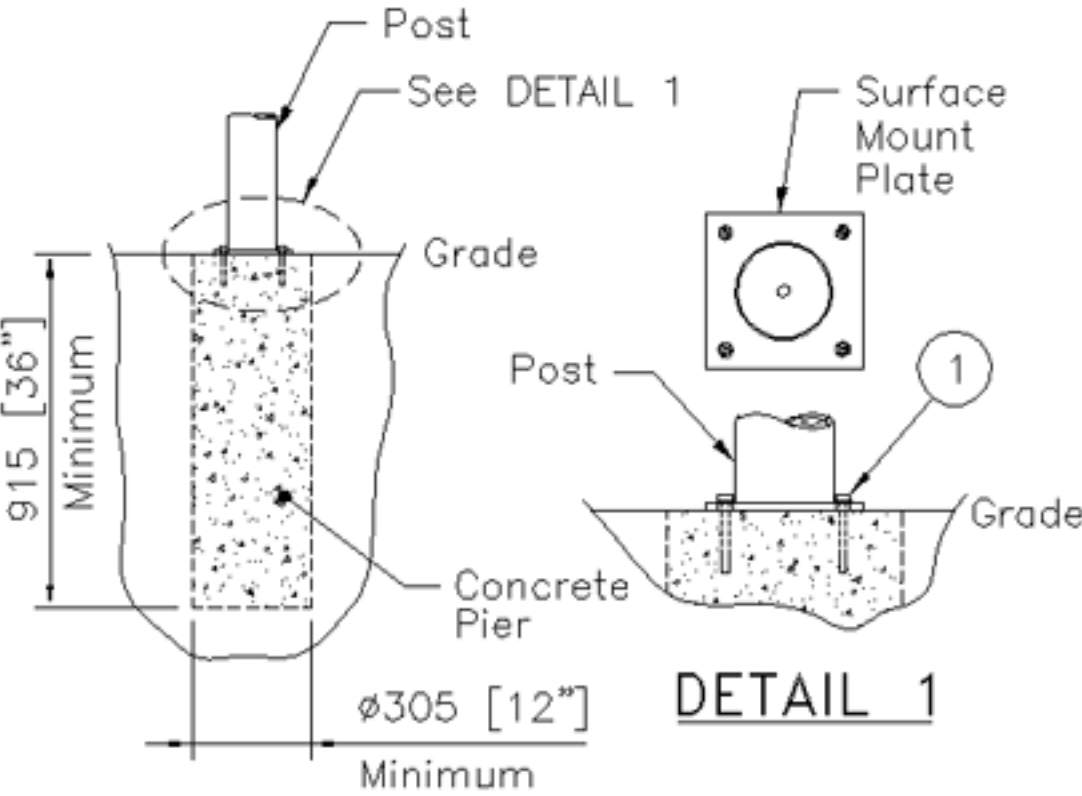
VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:

$$= 0.067 \text{ M}^3 \times \frac{\text{CONCRETE DEPTH (mm)}}{915} \times \text{No. OF FOOTING HOLES} = \text{M}^3$$

$$= 0.087 \text{ Yard}^3 \times \frac{\text{CONCRETE DEPTH (IN)}}{36} \times \text{No. OF FOOTING HOLES} = \text{Yard}^3$$

NOTES: - TO CALCULATE CUBIC FEET, MULTIPLY CUBIC YARD BY 27
- 94 lbs OF CONCRETE = 1 CUBIC FOOT.

OPTION 1: PIER



NOTE 1: Two per plate, diagonally located.

NOTE 2: Depth is less than round anchor because of extra volume of concrete.
NOTE 3: Anchor bolts shown on ends, but can be moved to other holes if necessary for accessibility.

Post Footing Parts List (Surf. Mt. Anchor)			
Item	Dwg Ref	Description	Qty.
1	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	4

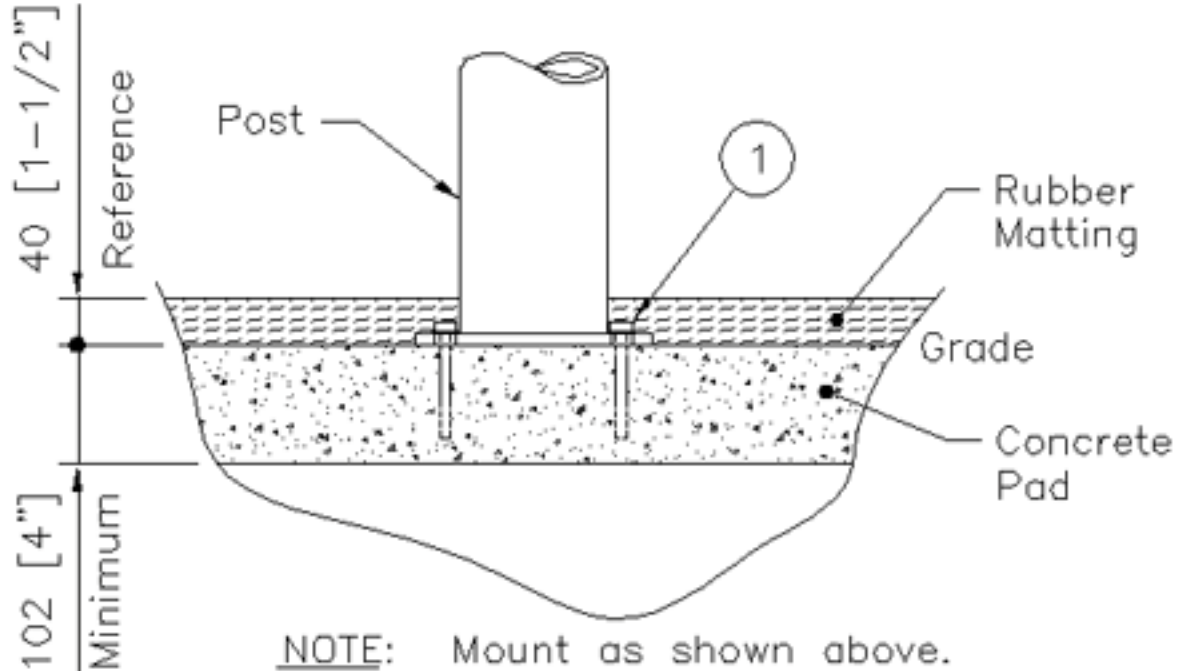
Post Footing

Playevent Footing Parts List (Surf. Mt. Anchor)			
Item	Dwg Ref	Description	Qty.
1	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	2

Playevent Footing

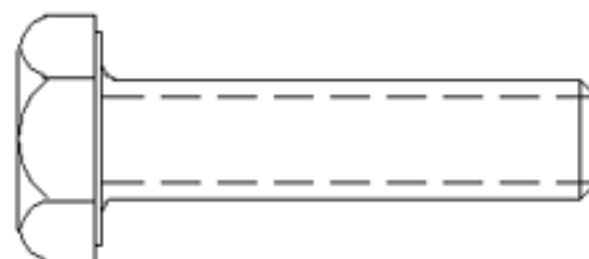
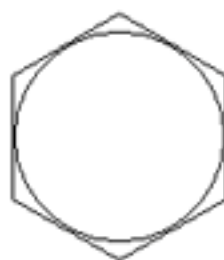
OPTION 2: CONCRETE PAD

NOTE 4: Concrete may require up to 3 days to cure.
NOTE 5: A 3/8" Masonry bit is required to install anchor bolts.

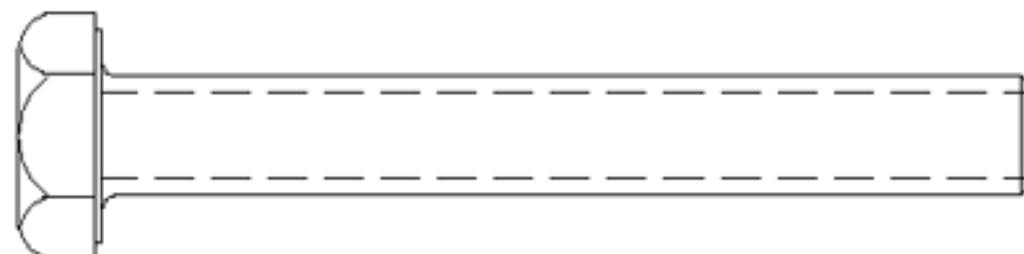
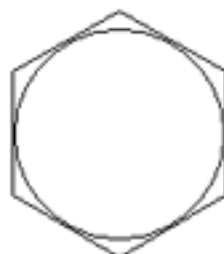


NOTE: Mount as shown above.

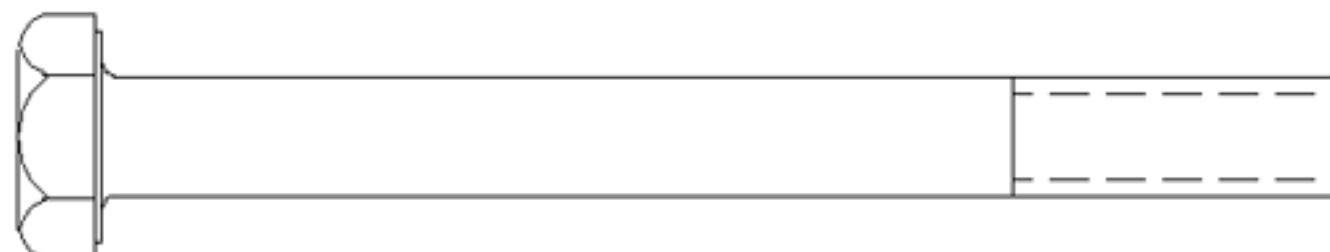
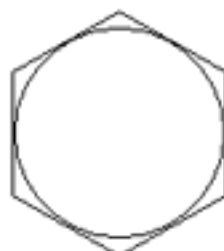
200001850
CAP SCREW HEX HEAD M10 x 1.50 x 40mm



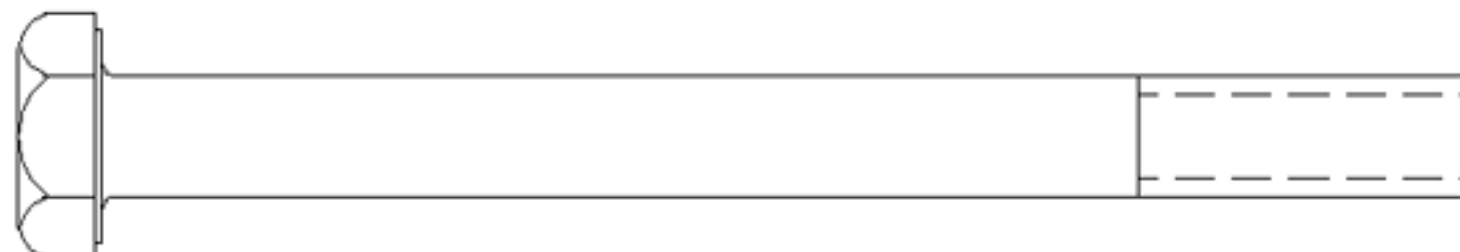
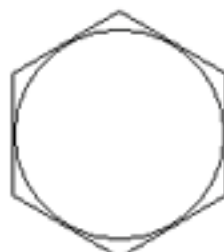
200001859
CAP SCREW HEX HEAD M10 x 1.50 x 75mm



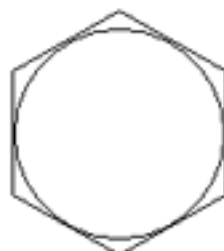
200001866
CAP SCREW HEX HEAD M10 x 1.50 x 100mm



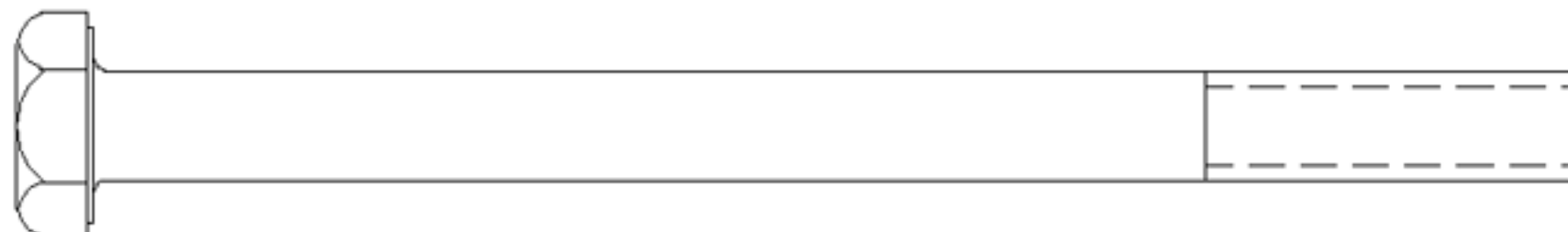
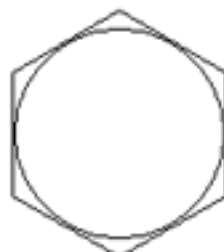
200001875
CAP SCREW HEX HEAD M10 x 1.50 x 110mm



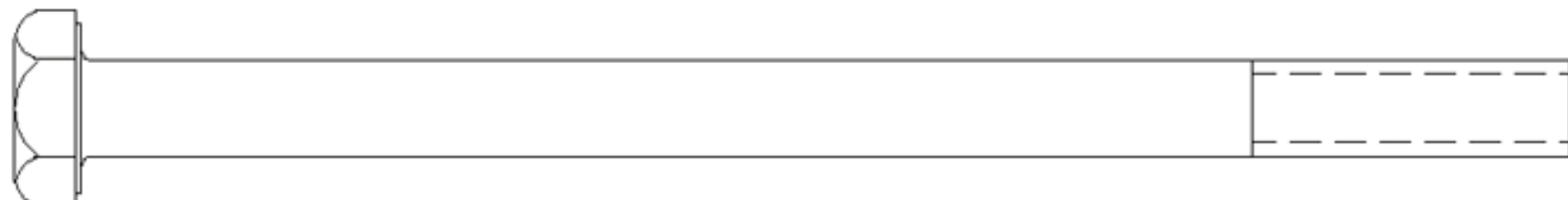
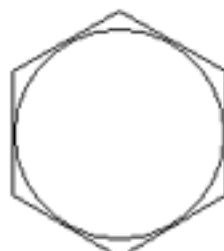
200001879
CAP SCREW HEX HEAD M10 x 1.50 x 120mm

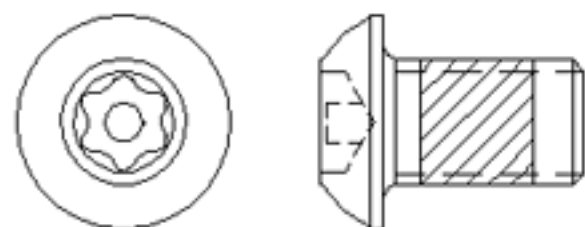


200001883
CAP SCREW HEX HEAD M10 x 1.50 x 130mm



200000792
CAP SCREW HEX HEAD M10 x 1.50 x 150mm

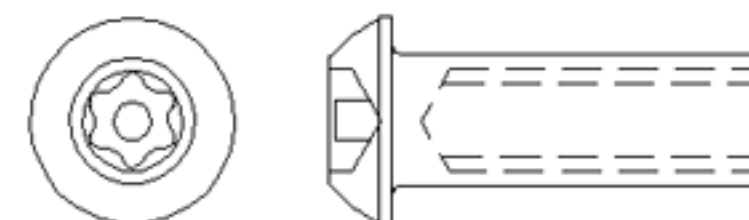




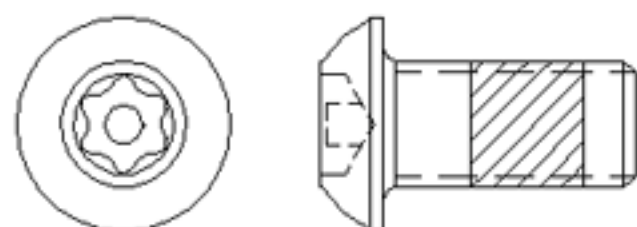
200002010
SCREW MACH BUTTONHEAD M10 x 1.50 x 16mm



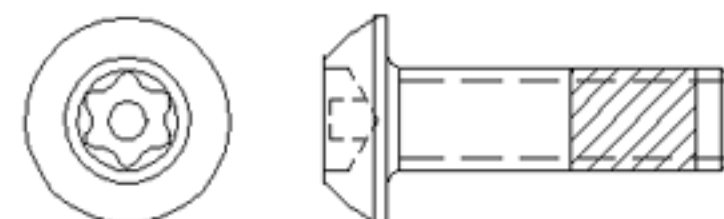
200002150
SCREW MACH BUTTONHEAD M10 x 1.50 x 55mm



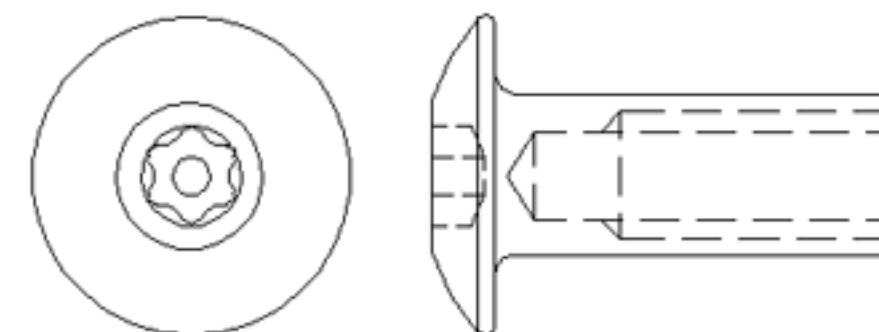
200002145
BOLT M8 x 1.25 FEMALE 10.3 x 30mm



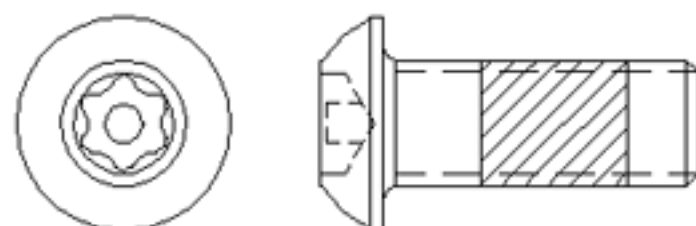
200002014
SCREW MACH BUTTONHEAD M10 x 1.50 x 20mm



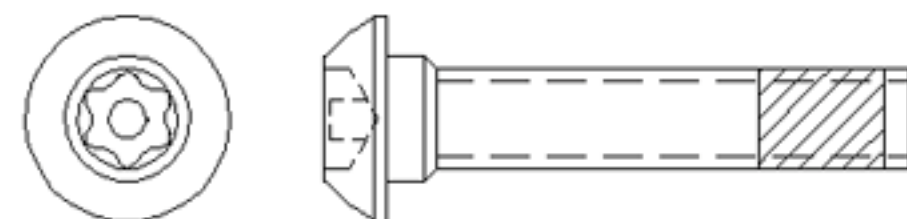
200002133
BOLT M8 x 1.25 MALE 27.5mm



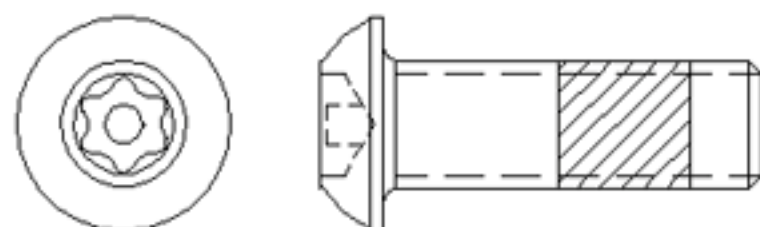
200001954
BARREL NUT M10 X 1.50 (12.70 DIA x 32mm)



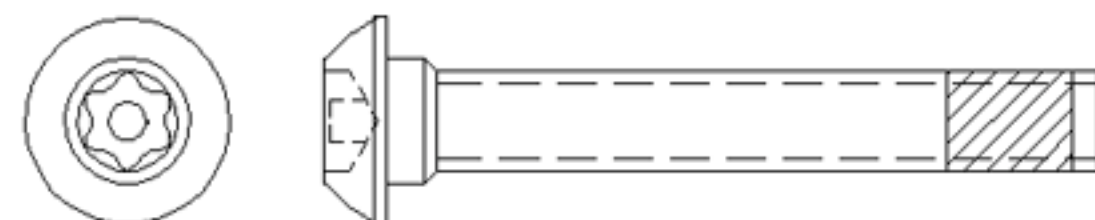
200002018
SCREW MACH BUTTONHEAD M10 x 1.50 x 25mm



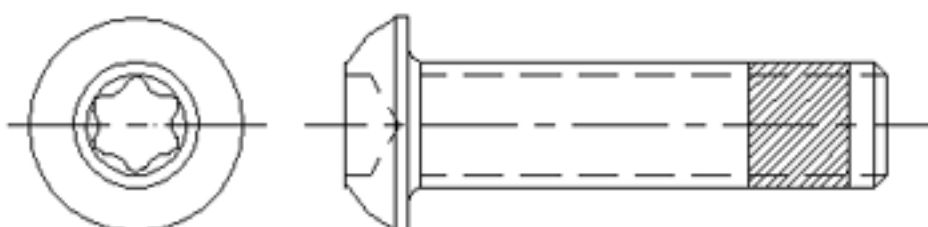
200002138
BOLT M8 x 1.25 MALE 42.5mm



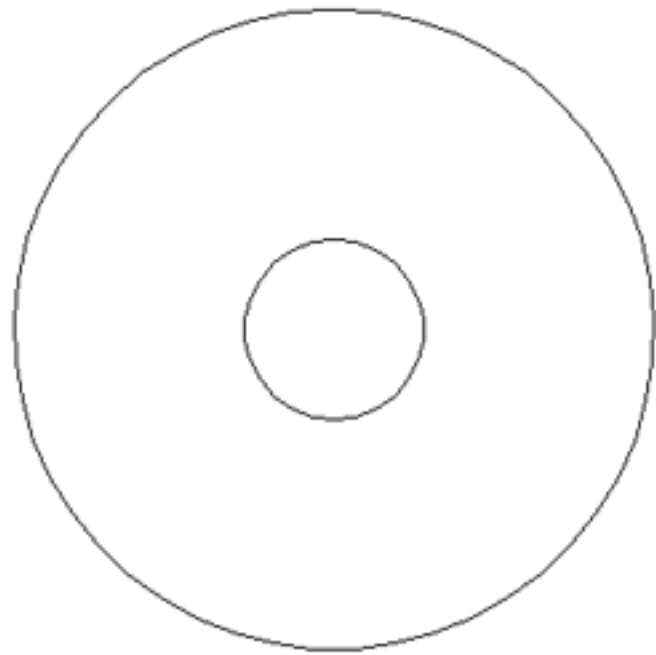
200002030
SCREW MACH BUTTONHEAD M10 x 1.50 x 30mm



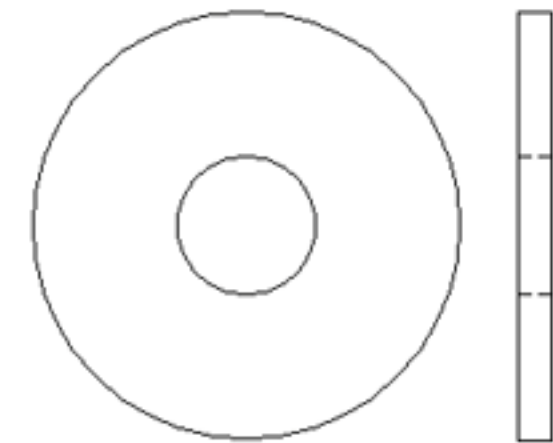
200002142
BOLT M8 x 1.25 MALE 57.5mm



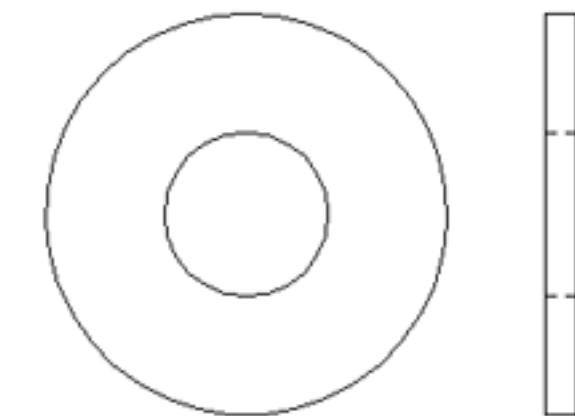
200097726
SCREW MACH BUTTONHEAD M10 x 1.50 x 38mm



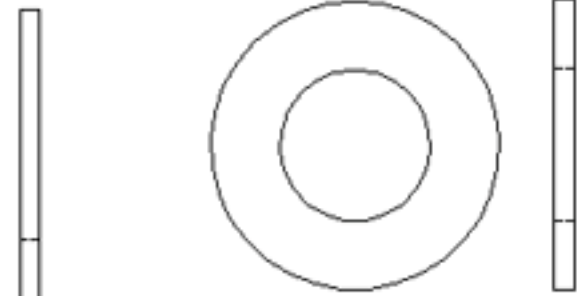
200002113
WASHER FLAT M12 (51 x 14.5 x 2mm)



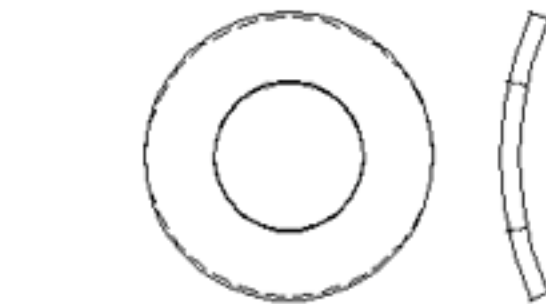
200002096
WASHER FLAT M10 340D x 11ID x 3 mm THK



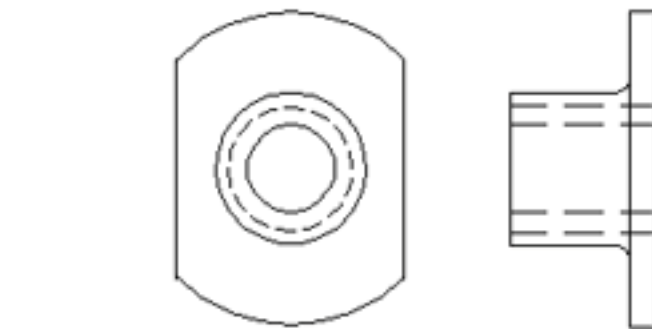
200002100
WASHER FLAT M11 320D x 13ID x 2 mm THK



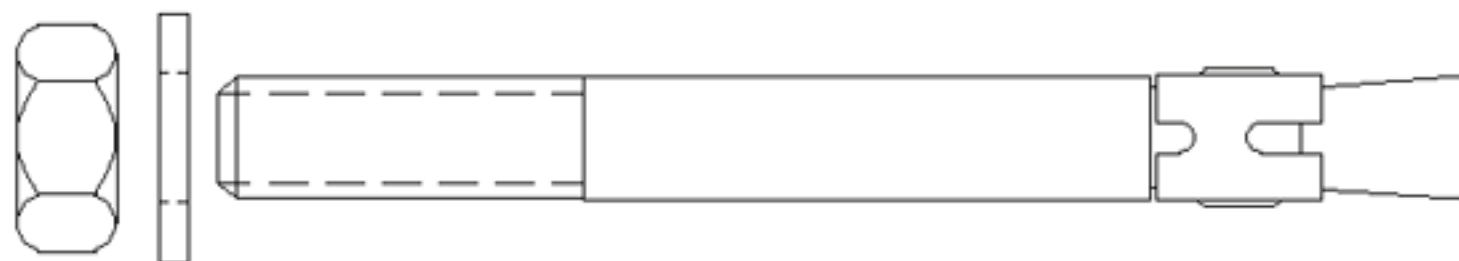
200002079
WASHER FLAT M11 23 x 12 X 1.6mm



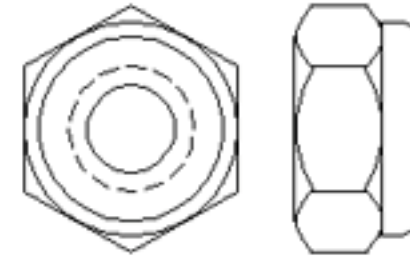
200008483
WASHER BOWED M11 23.5 x 11.7 x 1.57 mm



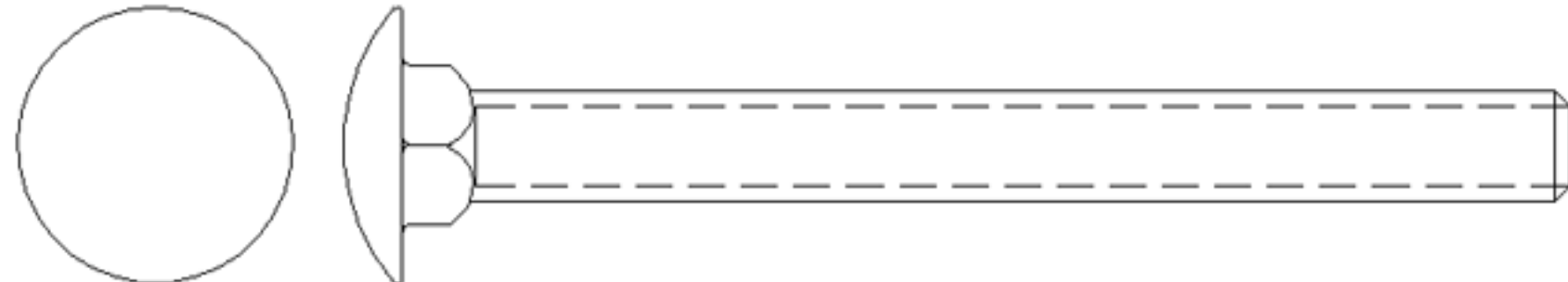
200001966
T-NUT SLAB BASE M10 x 1.50 x 9.5mm



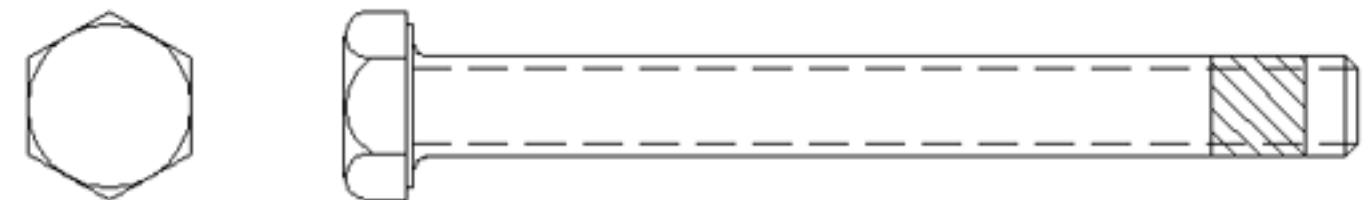
200001776
ANCHOR CONCRETE WEDGE M10 x 1.5 x 100mm



200001945
NUT LOCK HEX NYLON INSERTED M10 x 1.5



200001810
BOLT CARRIAGE M10 x 1.50 x 100mm



200001826
CAP SCREW HEX HEAD M8 X 1.25 X 75mm



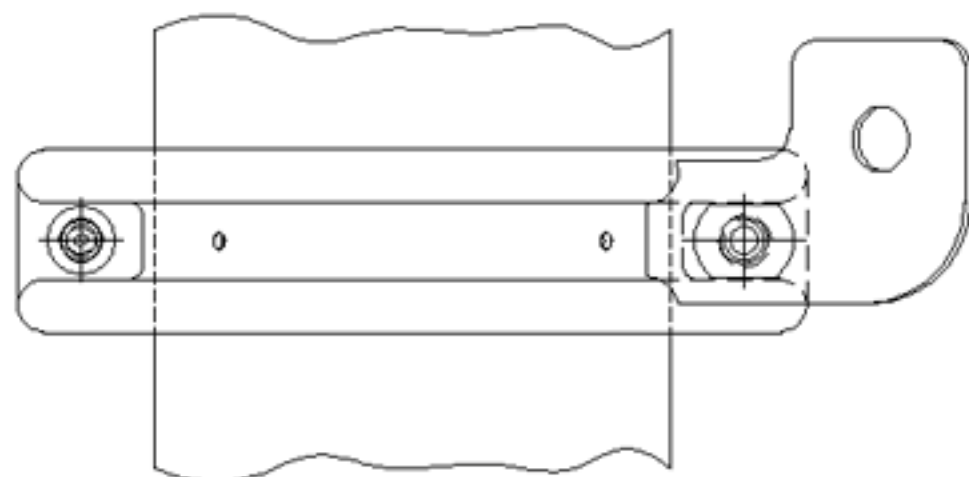
200001986
SCREW U-DRIVE ROUND HEAD M5 x 16mm



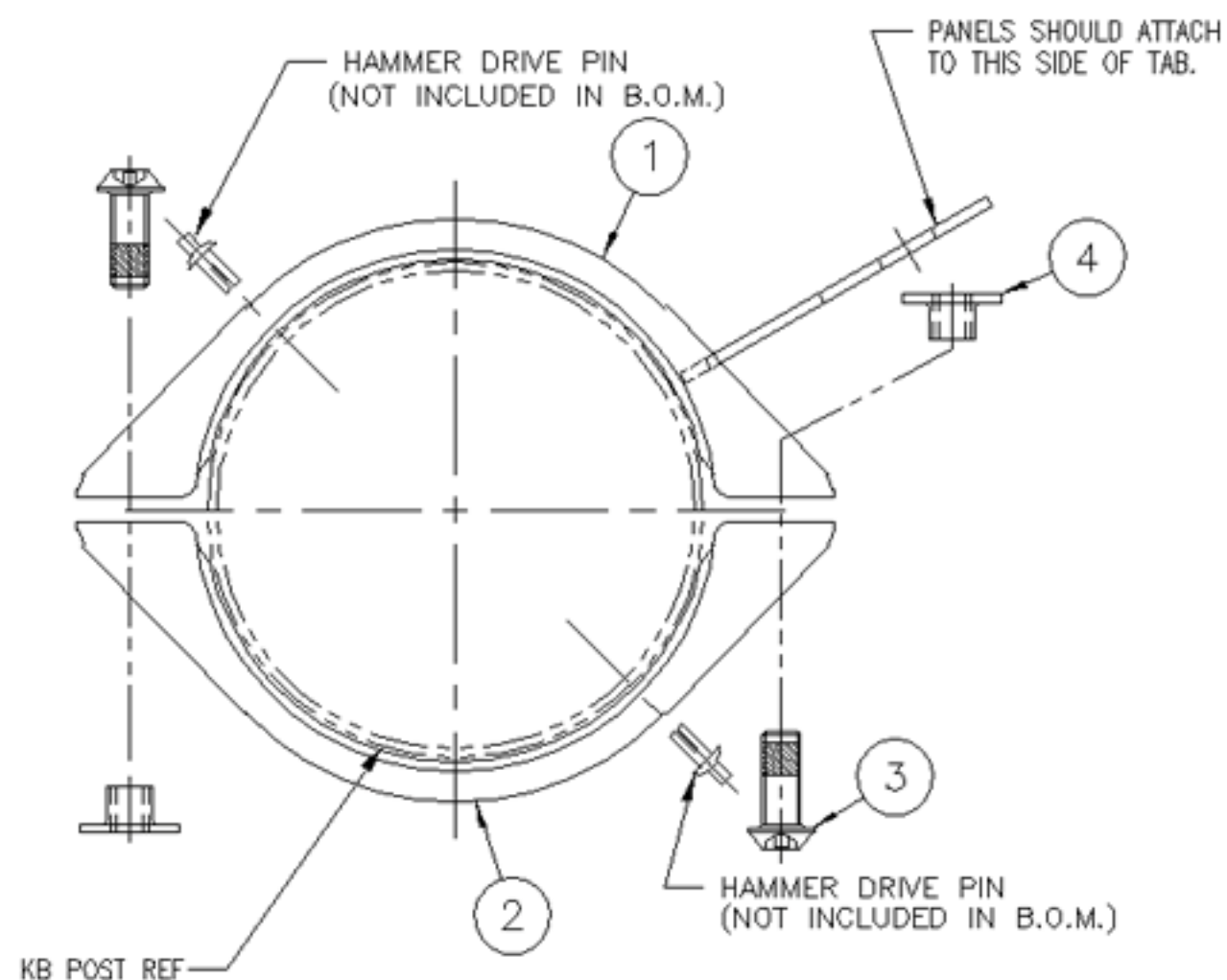
200001934
NUT LOCK HEX NYLON INSERTED M8 x 1.25



CLAMP HI-LO TAB F/KB



NOTE:
TAB WILL BE DIRECTED
UP (AS SHOWN) ON ONE
SIDE OF THE PANEL AND
DOWN ON THE OTHER
SIDE OF THE PANEL



[NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS]

KB000009A

AUTHORIZED BY:

Raymond 03AUG99

CLAMP HI-LO TAB F/KB

200079200

CLAMP HI-LO TAB F/KB

Item	Dwg Ref	Description	Qty.
1	-	CLAMP HI-LO TAB F/ KB	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	2

Application

- FOR USE WHEN HIGH-LOW CLAMP CONFIGURATION IS NEEDED TO ATTACH PANELS.

Maintenance

- CHECK ALL HARDWARE
- TOUCH UP ANY MARRED PAINT SURFACE

Specifications

CLAMP

MATERIAL: STAMPED SHST
COLOR: AS SELECTED FROM STD. COLOR RANGE.
FINISH: ELECTROSTATICALLY APPLIED POLYESTER
DRY POWDER COAT

FASTENERS

FINISH: STAINLESS STEEL

Installation Instructions

1. POSITION THE CLAMP HALVES AROUND THE POST AND LOOSELY CONNECT HALVES TOGETHER WITH THE HARDWARE SHOWN. CLAMPS SHOULD BE ORIENTED SO THAT PANELS WILL ATTACH TO THE TAB FACE SHOWN IN THE DETAIL.
2. MOVE THE CLAMP ASSEMBLY ALONG THE POST UNTIL IT LINES UP WITH THE LOCATION THAT IT WILL BE CONNECTED TO THE PANEL. COMPLETE THE PANEL CONNECTION AS SPECIFIED IN THE INDIVIDUAL PANEL INSTRUCTION.
3. LEVEL THE CLAMP ASSEMBLY AROUND THE POST AND TIGHTEN CLAMP HARDWARE.
4. AS A LAST STEP IN THE PLAYGROUND INSTALLATION, INSTALL HAMMER DRIVE PINS. LOCATE ONE OF THE EXISTING SMALL HOLES IN A CLAMP HALF. (EITHER HOLE CAN BE USED, USE THE MOST ACCESSIBLE.) THIS WILL BE THE DRILLING SITE FOR THE HAMMER DRIVE PIN. DRILL A 5mm (3/16") DIA. HOLE INTO THE POST. INSERT THE HAMMER DRIVE PIN INTO THE HOLE. TAP THE CENTER CORE PIN INWARD UNTIL IT IS FLUSH WITH THE OUTER PIN SURFACE. BE CAREFUL NOT TO MAR THE PAINTED SURFACES. REPEAT ON THE OTHER CLAMP HALF. HAMMER DRIVE PINS ARE SHIPPED SEPERATELY FROM CLAMP HARDWARE.

PANEL OR WING CLAMP

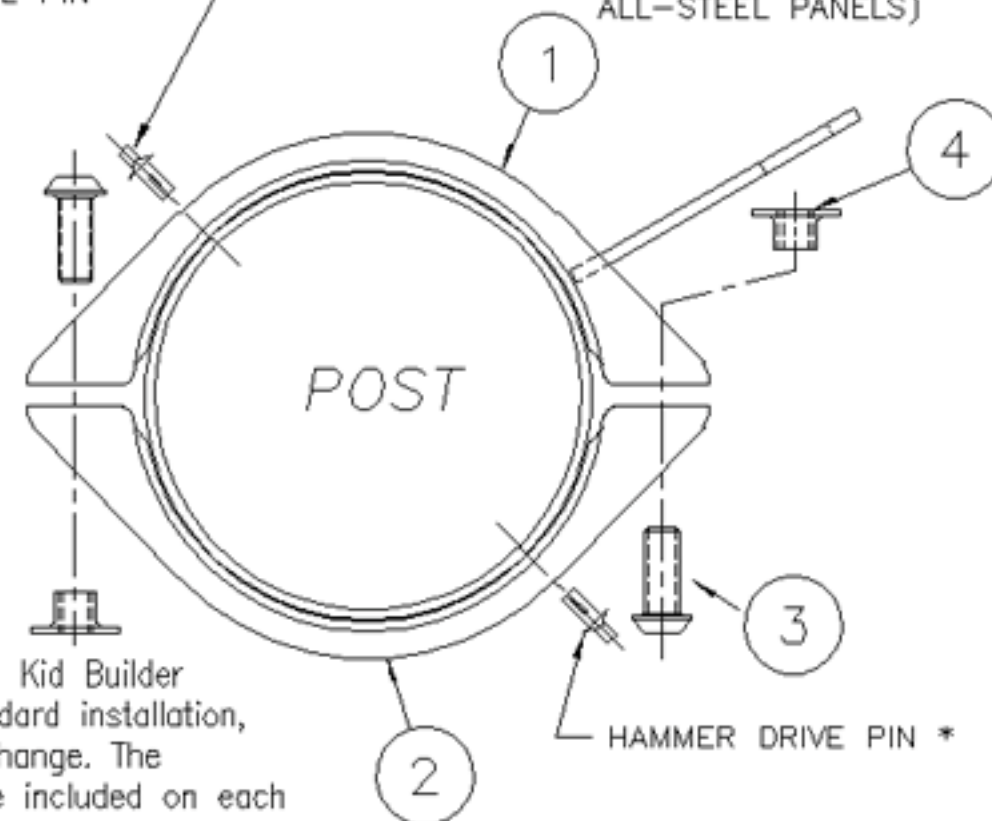
ITEM	CODE	DESCRIPTION	QTY
1	-	CLAMP HALF W/TAB F/PANEL MT. ZN	1
-OR- 1	-	CLAMP HALF W/TAB F/KB WING CLAMP	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	2



REF: PANEL CLAMP


REF: WING CLAMP
(TO BE USED ON KB PLUS
ALL-STEEL PANELS)

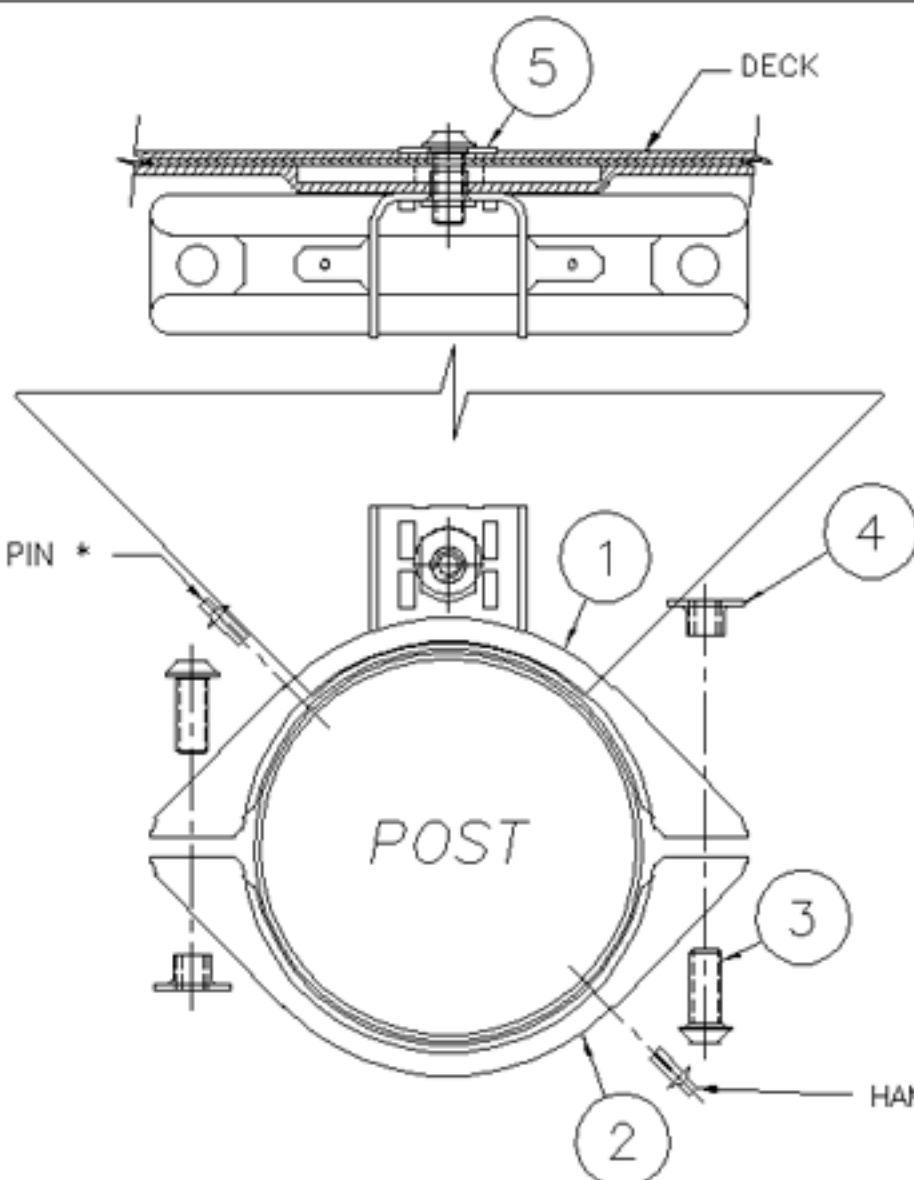
HAMMER DRIVE PIN *



HAMMER DRIVE PIN *

DECK CLAMP

ITEM	CODE	DESCRIPTION	QTY
1	-	CLAMP HALF W/NEW DECK ATTACHMENT ZN	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM	3
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5MM	3
5	200002100	WASHER FLAT M11 320D X 13ID X 2 MM THK	1



The following details illustrate the assembly of all standard Kid Builder Clamps. If a component requires an exception to the standard installation, the instruction page for that component will reflect that change. The hardware used to attach a Panel Clamp to a panel will be included on each component page.

1. Each Clamp half will have a small hole and a large hole on opposite sides. The Larger hole accommodates the Tee Nuts.

2. Always make sure the event is at the proper height and the clamps are level before Hammer Drive Pins are installed.

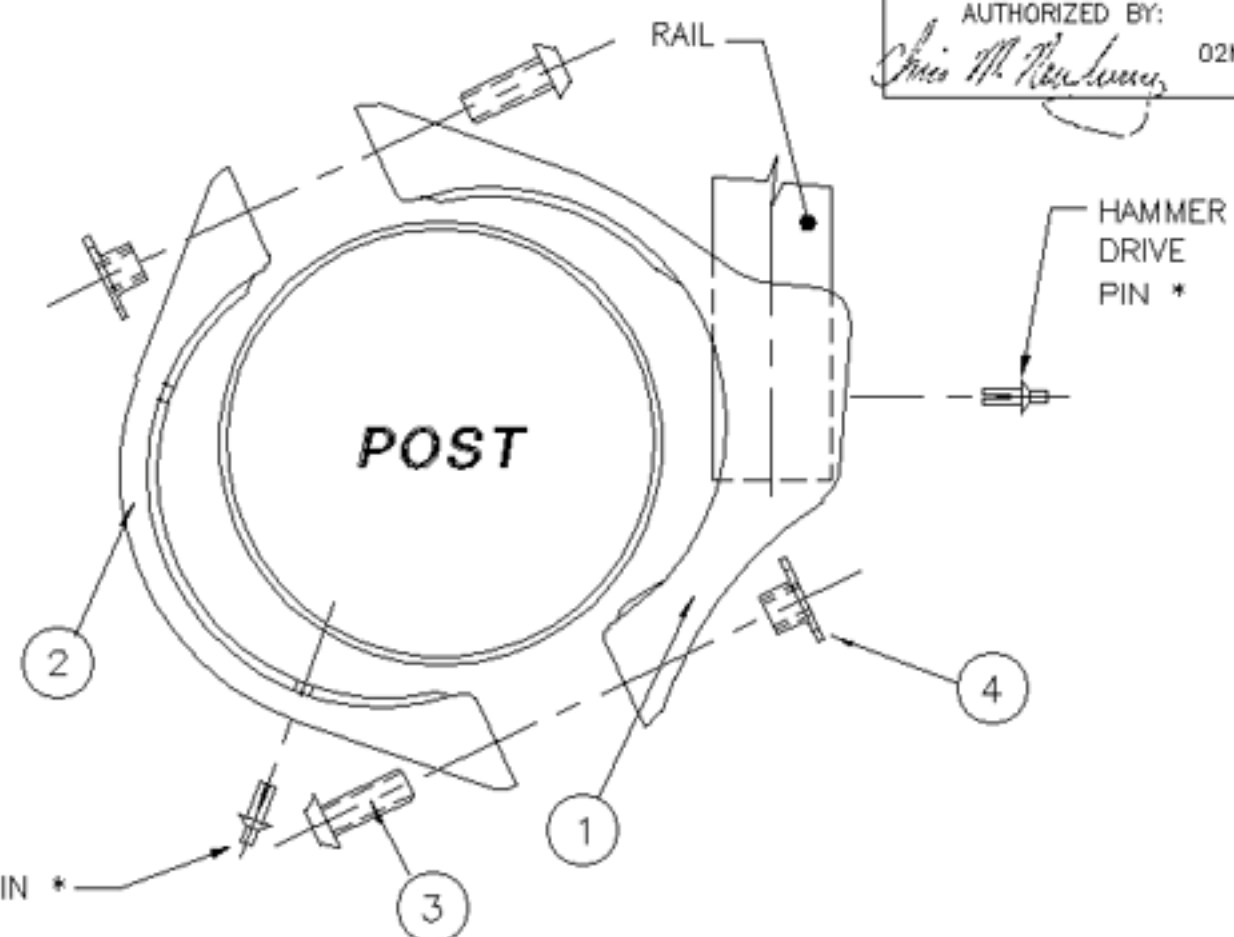
3. There will also be two smaller pilot holes on each clamp half. Pick the most accessible hole and drill a 5mm dia. hole through the clamp half and the post. Tap the pins in with a rubber mallet or hammer. Be careful not to mar paint surfaces. Also, all Rail Clamp attachments will have pilot holes for hammer drive pin installation.

* Hammer drive pins are not included in the clamp hardware bag. They are located in a separate bag in the hardware kit.

The following details illustrate the assembly of all standard Kid Builder Clamps. If a component requires an exception to the standard installation, the instruction page for that component will reflect that change.

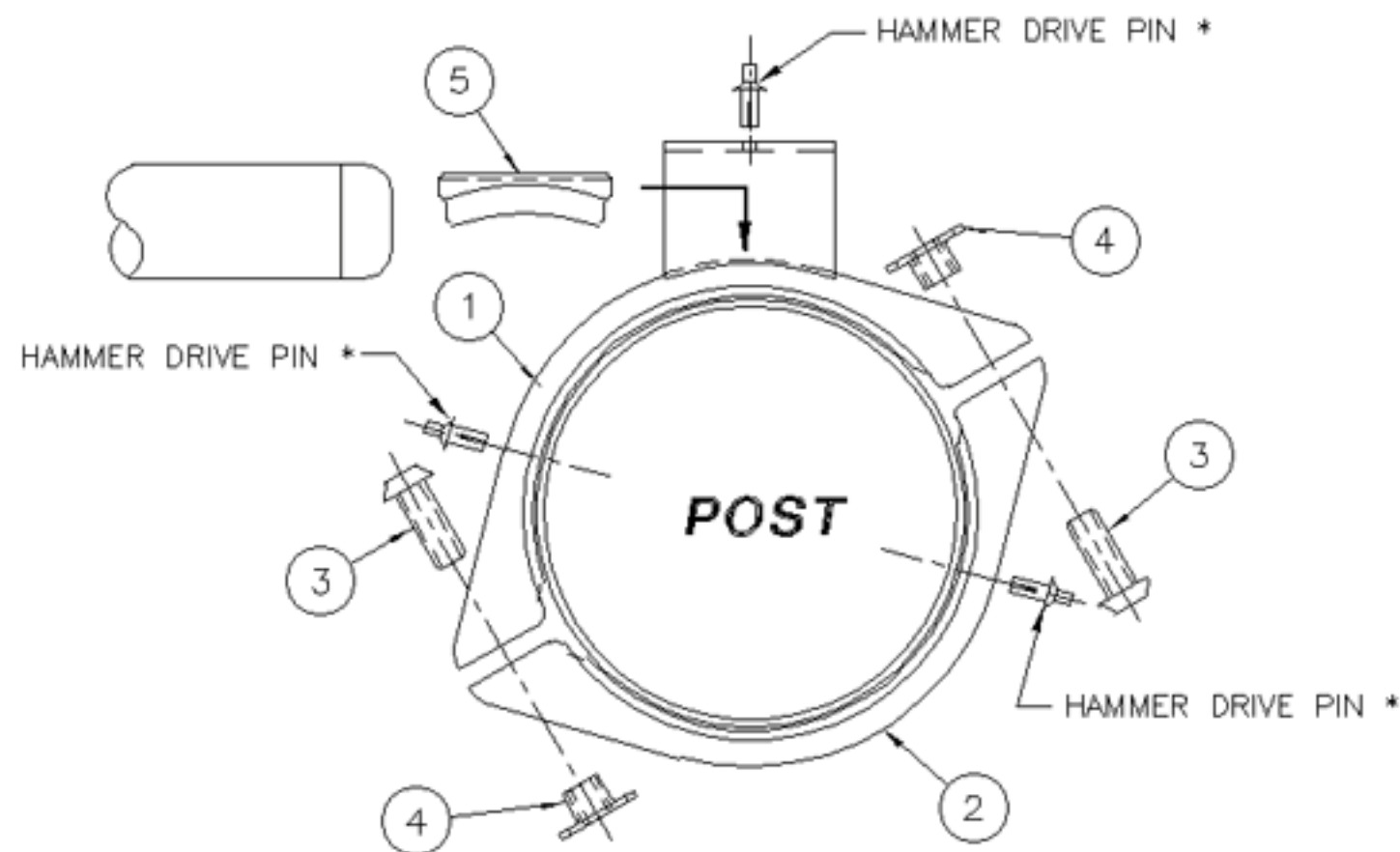
1. Each Clamp half will have a small hole and a large hole on opposite sides. The Larger hole accommodates the Tee Nuts.
2. Always make sure the event is at the proper height and the clamps are level before Hammer Drive Pins are installed.
3. There will also be two smaller pilot holes on each clamp half. Pick the most accessible hole and drill a 5mm dia. hole through the clamp half and the post. Tap the pins in with a rubber mallet or hammer. Be careful not to mar paint surfaces. Also, all Rail Clamp attachments will have pilot holes for hammer drive pin installation.

* Hammer drive pins are not included in the clamp hardware bag. They are located in a separate bag in the hardware kit.



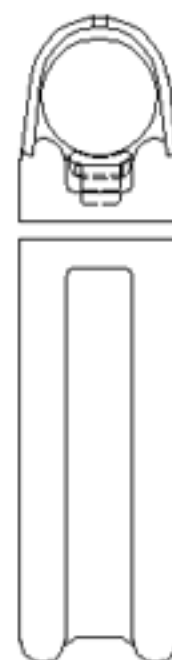
30 DEG. RAIL CLAMP W/ WEDGE

ITEM	DRG REF	DESCRIPTION	QTY
1	-	CLAMP HALF W/ATT. F/RAILS ZN 30 DEG.	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25 MM	2
4	200001966	T-NUT SLAB BASE M10 X 1.50 X 9.5 MM	2
5	200000733	SPACER WEDGE ALUM. F/KB CLAMP F/SLOT	1



HOODED RAIL CLAMP

ITEM	DRG. REF	DESCRIPTION	QTY
1	-	CLAMP HALF W/HOODED RAIL ATTACHMENT ZN	1
2	-	CLAMP HALF W/O WELDED ATTACHMENT ZN	1
3	200002018	SCREW MACH. BUTTONHEAD M10 X 1.5 X 25mm	2
4	200001966	T-NUT SLAB BASE M10 X 1.5 X 9.5mm	2



Chris M. Newberry

1A

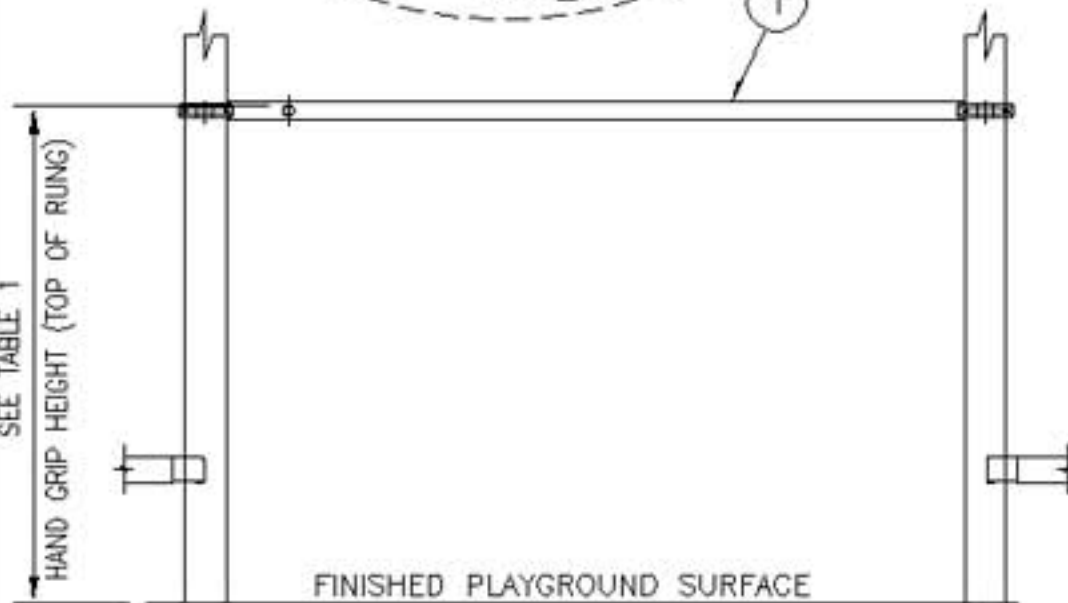
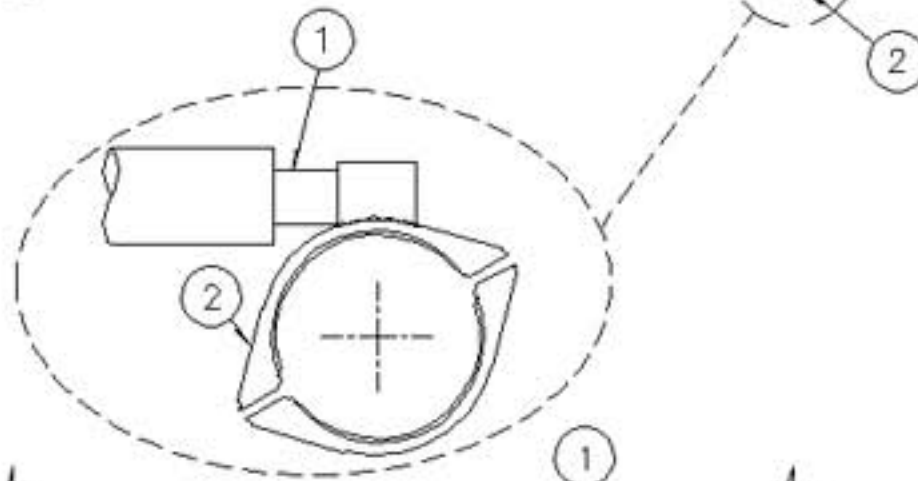
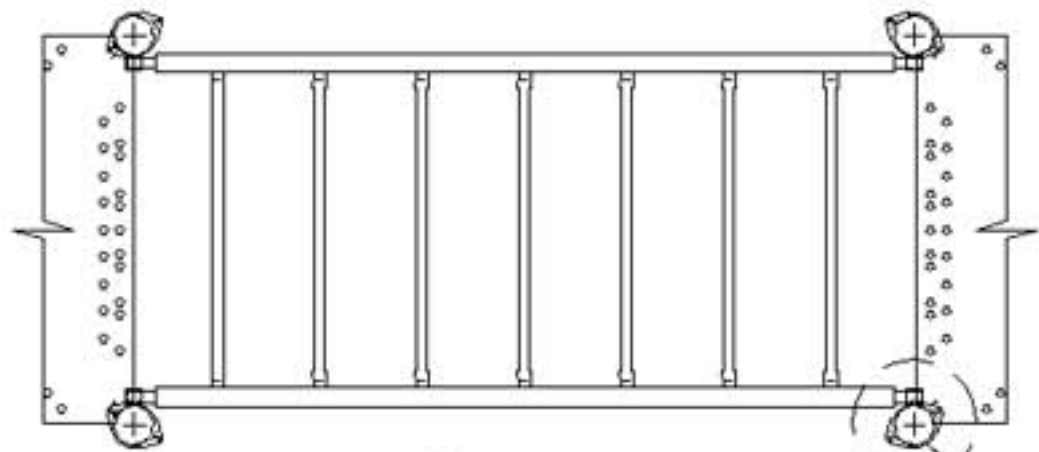


TABLE 1

Age Group	Hand Grip Height
2-5 Years	1524mm [60"]
5-12 Years	1981mm [78"]

NOTE: FOR UNDERSURFACING & FOOTINGS
REFER TO SEPARATE INSTRUCTIONS

2440mm [96"] CHALLENGE LADDER 200013872

Item	Code	Description	Qty.
1A	-	LADDER CHALLENGE 2440mm [96"] KB	1
2	-	RAIL CLAMP - W/WEDGE/30 DEG. ATTACH.	4

3660mm [144"] CHALLENGE LADDER 200013871

Item	Code	Description	Qty.
1B	-	LADDER CHALLENGE 3660mm [144"] KB	1
2	-	RAIL CLAMP - W/WEDGE/30 DEG. ATTACH.	4

1830mm [72"] CHALLENGE LADDER 200201085

Item	Code	Description	Qty.
1C	-	LADDER CHALLENGE 1830mm [72"] KB	1
2	-	RAIL CLAMP - W/WEDGE/30 DEG. ATTACH.	4

Application

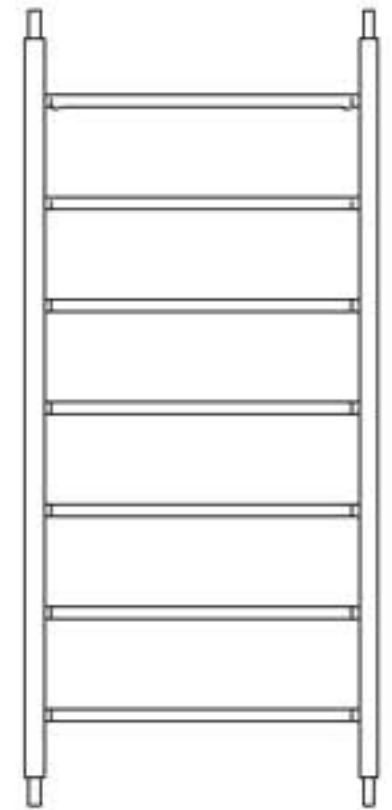
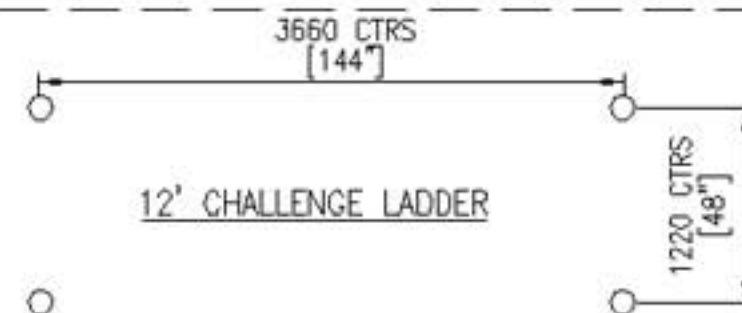
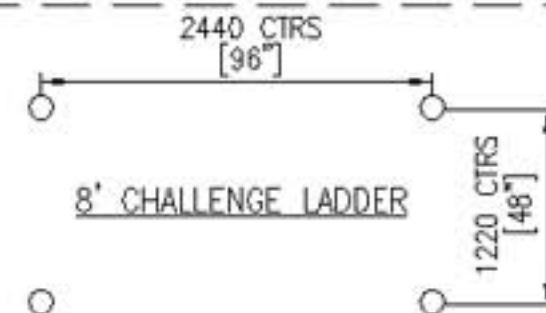
-For ages 2-5 or 5-12.

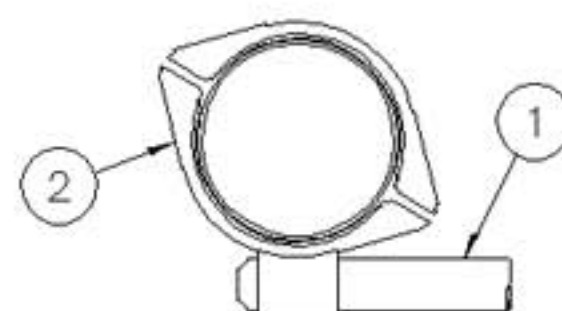
Installation Instructions

1. Prepare footings.
2. Install posts.
3. Slide four wedge clamps onto the Challenge Ladder stubs.
4. Position Challenge Ladder at proper height and attach wedge clamps to posts (Refer to the front of the manual for clamp installation detail).
5. Tighten all hardware and install clamp drive pins.
6. Complete footings and install resilient surfacing.

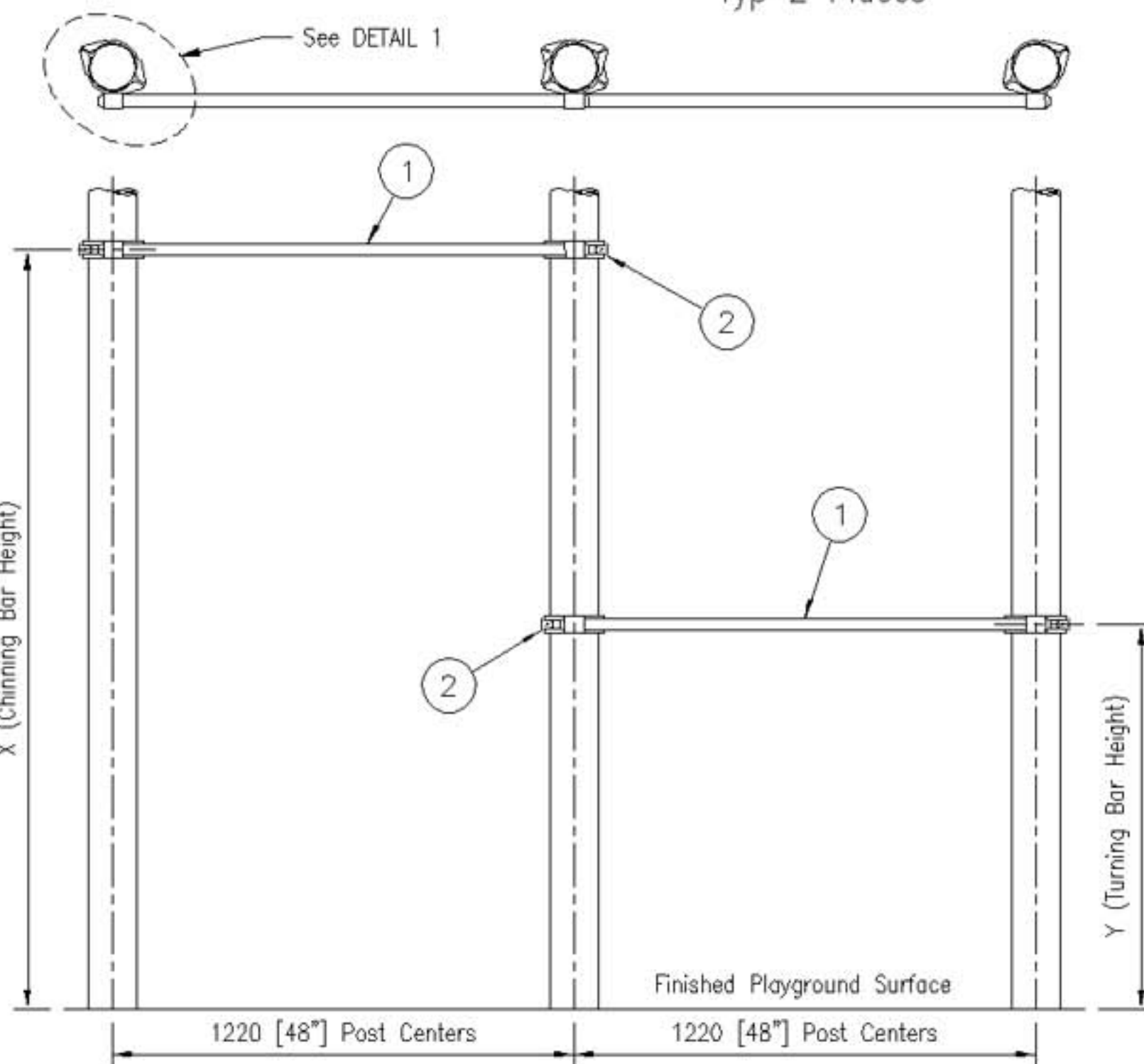
Footing Layout

○ = POST



Chris M. Henderson


DETAIL 1
Typ 2 Places



Chinning Bar

Turning Bar

(NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS)

RAIL SINGLE KB 200013892

Item	Code	Description	Qty.
1	-	SINGLE RAIL W/CAPS	1
2	-	KB RAIL CLAMP W/WEDGE/30 DEGREE ATTACHMENT	2

Application

- Age groups: 2-5 OR 5-12 year olds
- Rail height should be determined by many factors, such as user age and depth of ground cover. Make sure they are considered.
- It is recommended that this component be installed using the inground method only.

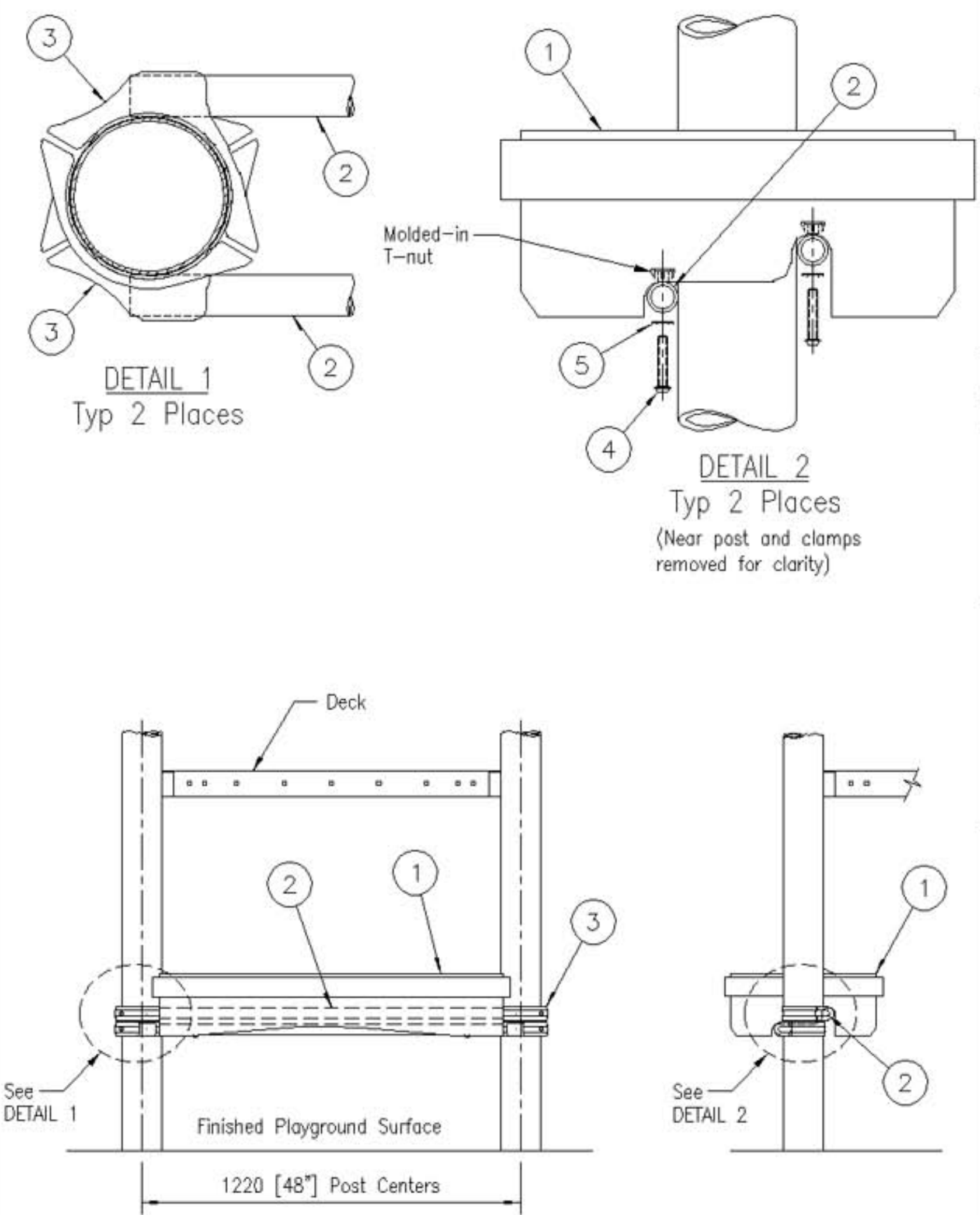
Installation Instructions

1. Prepare footings.
2. Slide rail clamps onto single rail (refer to DETAIL 1).
3. Position single rail at proper height (refer to CHART) and attach rail clamps to the posts (refer to front of manual for clamp installation detail). Make sure the rail is level.
4. Tighten all hardware and install clamp drive pins.
5. Complete footings and install resilient surfacing.

Bar Height Chart

Age Group	"X" Maximum	"Y" Maximum
4-7 Years	1651mm [65"]	889mm [35"]
8-11 Years	2007mm [79"]	1016mm [40"]
12-15 Years	2210mm [87"]	1067mm [42"]

1



PANEL ADJUSTABLE COUNTER KB 200007097			
Item	Code	Description	Qty.
1	-	PANEL ADJUSTABLE COUNTER F/KB	1
2	200000971	RAIL SUPP. F/KB ADJ. COUNTER BRN	2
3	-	HOODED RAIL CLAMP	4

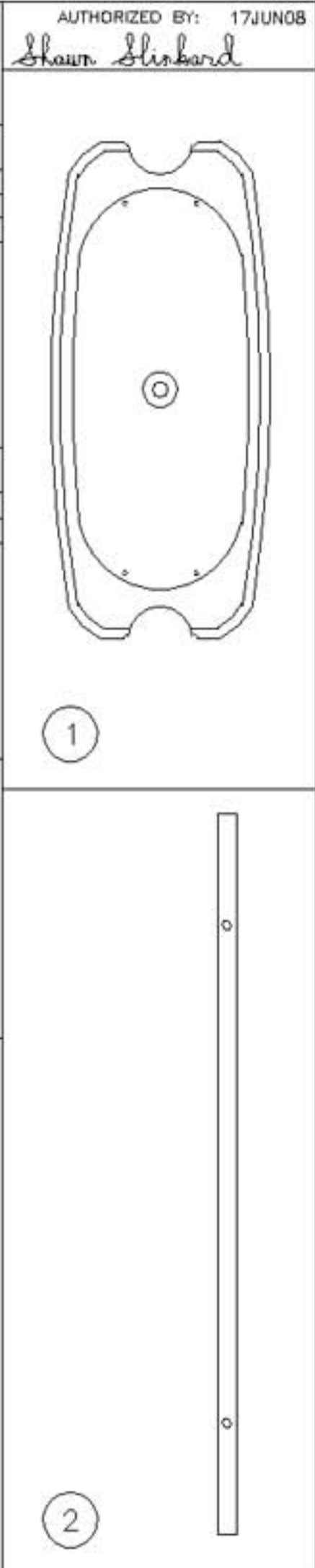
HDWR BAG F/KB ADJ. COUNTER PANEL 200007593			
Item	Code	Description	Qty.
4	200002150	SCREW MACH BUTTONHEAD M10 X 1.5 X 55 MM	4
5	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	4

Application

- Age groups: 2 – 12 year olds
- For Kid Builders structures only
- For below deck use only
- Cannot be used as an enclosure

Installation Instructions

1. Insert the ends of both rails into the hooded clamp halves and loosely attach clamps to posts (refer to DETAIL 1 and to front of manual for clamp installation detail). One clamp will be stacked on top of the other.
2. Lower the adjustable counter panel onto the rails and attach with hardware (refer to DETAIL 2). Some fine adjustment may be required for a snug fit.
3. Position at proper height, tighten all hardware and install clamp drive pins.





Project Number: R0341250025

PlayArea: PlayArea_3 | Traditional Play

Project Name:

Project Location:

Sales Representative:

Pacific Park and Play

PO Box 1909

Huntington Beach, CA 92647

(714)846-4885

(714)8463485

Installation Instructions

Please, read all information in this manual
before starting to install your equipment.

Date: 2/6/2025 12:00:00 AM

BEFORE INSTALLING LITTLE TIKES COMMERCIAL PRODUCT, "PLEASE READ INSTRUCTIONS THOROUGHLY"*SITE REQUIREMENTS:*

This playevent is designed to suit a level site. Should there be any slopes on the site, care should be taken to accommodate the entry and exit points and to maintain the correct heights.

The site must be checked for adverse or unusual conditions. i.e.

- 1) Exposed, cracked or loose concrete footings.
- 2) Worn, scattered or compressed surface material.
- 3) Exposed roots, rocks or other environmental obstacles that form potential trip hazards.
- 4) Broken glass, refuse, or foreign objects around and on play equipment.
- 5) Poor drainage areas.
- 6) All sites especially those close to existing buildings must be checked for electrical or gas lines and drainage before digging.

MAINTENANCE:

As the owner, it is most important that you are aware of your responsibility for the safe use of your new play equipment. It is necessary to install equipment correctly according to the installation instructions provided and inspect the equipment regularly at intervals specified within the "Maintenance Manual," located in your maintenance kit. During inspection, if any part is found to be damaged or excessively worn, equipment should immediately be put out of service while the part is replaced. Lack of "maintenance" will result in premature wear, reduced life expectancy and possible failure.

All Little Tikes Commercial Play Systems playevents have been designed and engineered to meet all applicable safety guidelines, but if installed improperly, problems may occur such as: protruding hardware, entrapment gaps between 89mm [3.5"] to 229mm [9"], or string entanglements. Any accessible bolt ends that protrude beyond the face of the nut by more than two threads should be trimmed and peened smooth by the installer. Once your installation is complete, always inspect your work. Installation must be done to the manufacturer's assembly manual and applicable safety guidelines and/or standards.

SAFETY AREAS:

The area immediately surrounding and above the play structure must be free of obstructions such as: buildings, trees, other play equipment, etc., and must be kept clear for entries, exits, traffic and falls. Make sure your site has the required surfacing and fall area designated on your Playground Layout Drawings.

INSTALLATION MANUAL:

We have tried to make this installation manual as comprehensive and factual as possible. Please note from time to time information may be changed or updated. Equipment shown or described throughout this manual may be changed. The right is reserved to make changes at any time without notice.

ALL CHILDREN SHOULD BE SUPERVISED WHILE PLAYING ON EQUIPMENT.

STAND N SPIN ~ INGROUND MOUNT

I500014D

Sheet 2 of 5

200201539 STAND N SPIN

AUTHORIZED BY: 08JAN21
Kathy Geyer

Item	Code	Description	Qty.
1A	908257*	ASSY F/INGROUND STAND N SPIN	1
1B	912899*	ASSY F/305MM SM STAND N SPIN	
1C	906246*	ASSY F/40MM SM STAND N SPIN	
2**	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	4

Note:

- An (*) by a part number (CODE) indicates: Color Code Required.
- Two (**) indicate: surface mount version only.
- Three (***) indicates: these dimensions are based on a 305mm [12"] playground surfacing depth and will vary if other surfacing depths are used (refer to sheet 3).

Installation Instructions

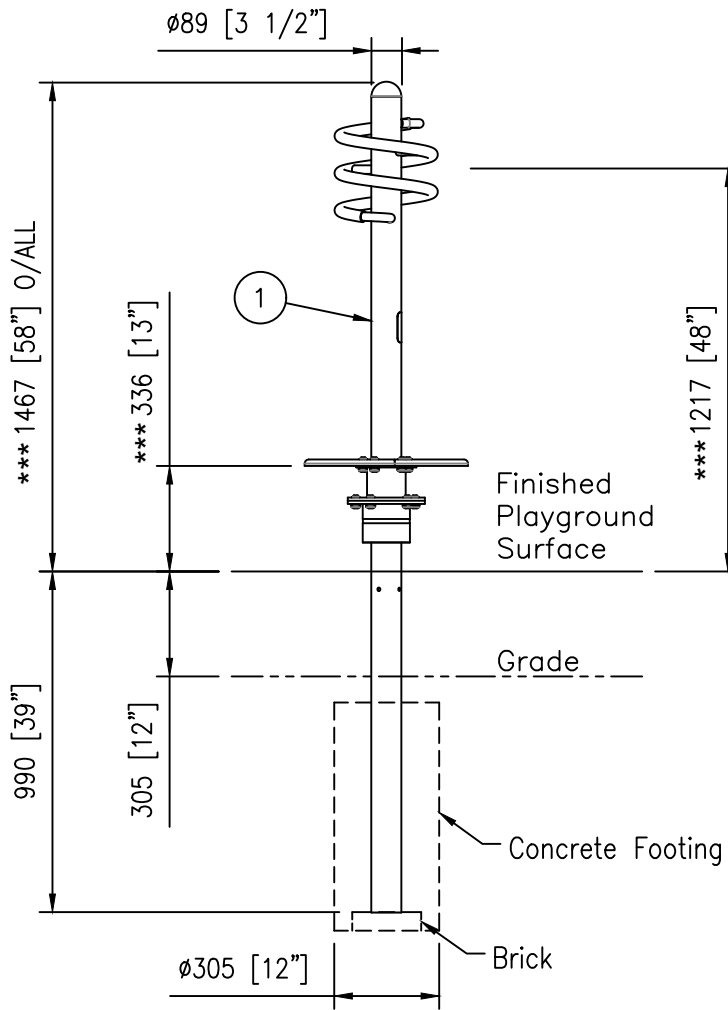
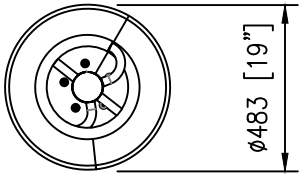
1. Locate and prepare footing.

Note: Refer to sheet 3 for inground footing detail and refer to sheet 4 for surface mount version.

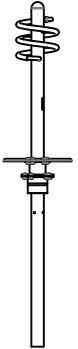
2. Install STAND N SPIN at correct height, see note above.

3. Complete footing and install resilient surfacing. Installed assembly may 'wobble'. This is normal and will not affect operation or cause premature failure.

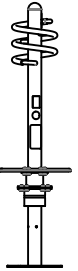
If you are in need of Material Safety Data Sheets pertaining to the use and handling of any maintenance materials such as touch-up paint, vinyl repair kits or for product such as Kid Tiles adhesive or urethane top coatings, please contact our Customer Service Department at 1(800)325-8828. They will be able to provide you with the information you require.



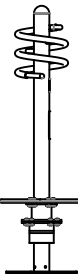
1A



1B



1C



1. COMPLETE THE CALCULATION SHEET BELOW
(FILL IN BLOCKS A THRU E).
2. FOOTING SIZE MAY VARY DUE TO LOCAL SOIL
AND WEATHER CONDITIONS.
3. BASE OF FOOTING MUST BE BELOW FROST LINE.

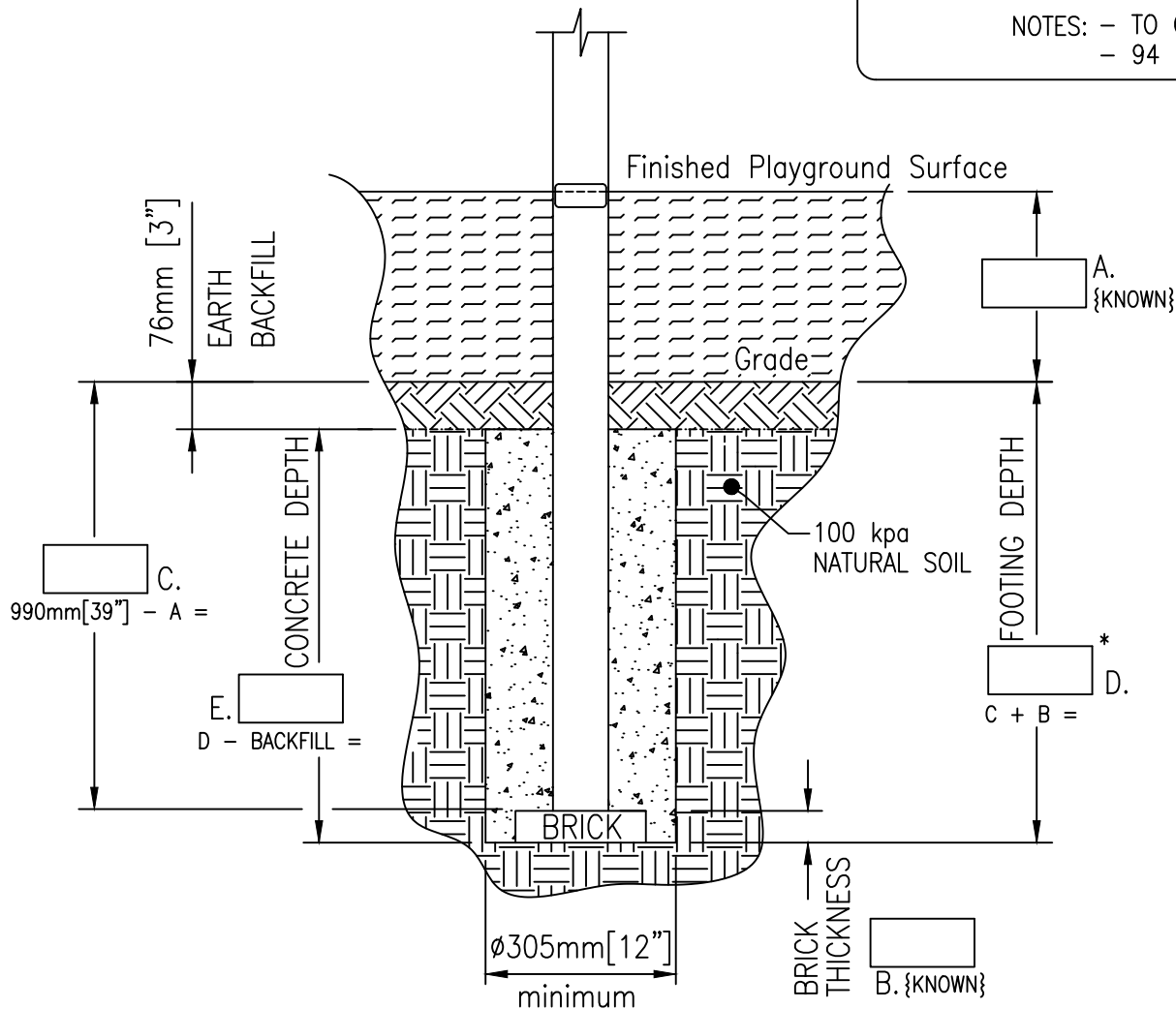
HOW MUCH CONCRETE?

VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:

$$= 0.067 \text{ M}^3 \times \left\{ \frac{\text{CONCRETE DEPTH (mm)}}{915} \right\} \times \text{No. OF FOOTING HOLES} = \text{M}^3$$

$$= 0.087 \text{ Yard}^3 \times \left\{ \frac{\text{CONCRETE DEPTH (IN)}}{36} \right\} \times \text{No. OF FOOTING HOLES} = \text{Yard}^3$$

NOTES: - TO CALCULATE CUBIC FEET, MULTIPLY CUBIC YARD BY 27
- 94 lbs OF CONCRETE = 1 CUBIC FOOT.



A. GROUND COVER DEPTH {KNOWN}.

B. BRICK THICKNESS {KNOWN}.

C. 990mm[39"] - A BECAUSE A + C SHOULD ALWAYS EQUAL 990mm[39"]

D. FOOTING DEPTH = [C] + BRICK THICKNESS.

*MINIMUM 610mm[24"] + BRICK THICKNESS FOOTING DEPTH REQUIRED

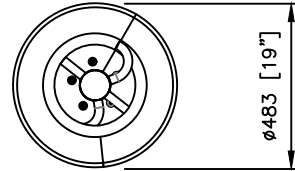
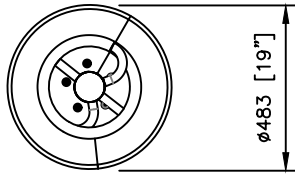
E. CONCRETE DEPTH = FOOTING DEPTH [D] - 76mm[3"] (BACKFILL).

STAND N SPIN ~ SURFACE MOUNT

I500014D

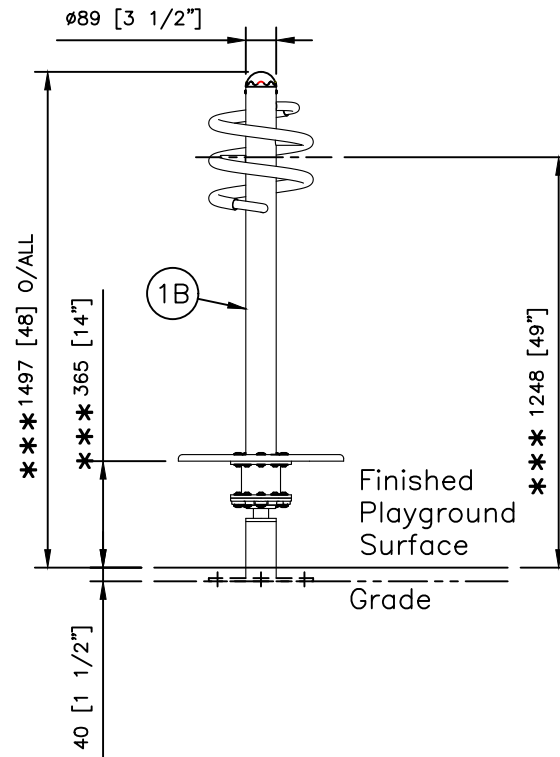
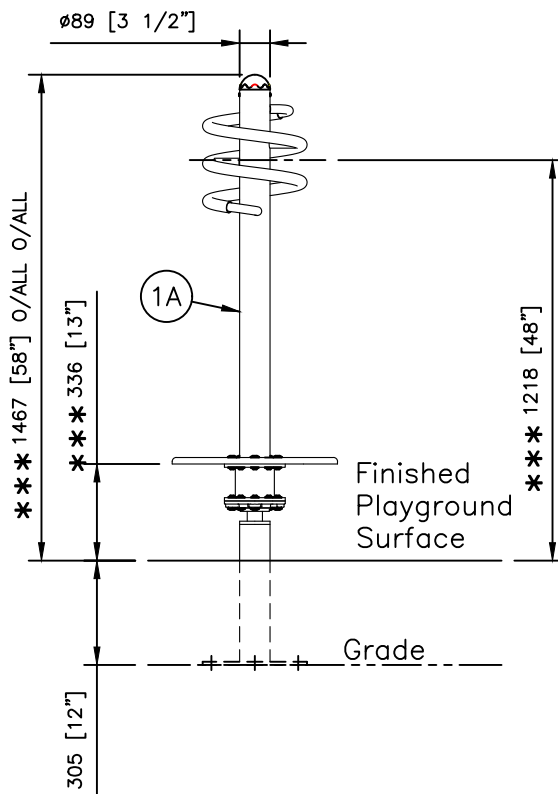
Sheet 4 of 5

AUTHORIZED BY: 08JAN21
Kathy Geyer

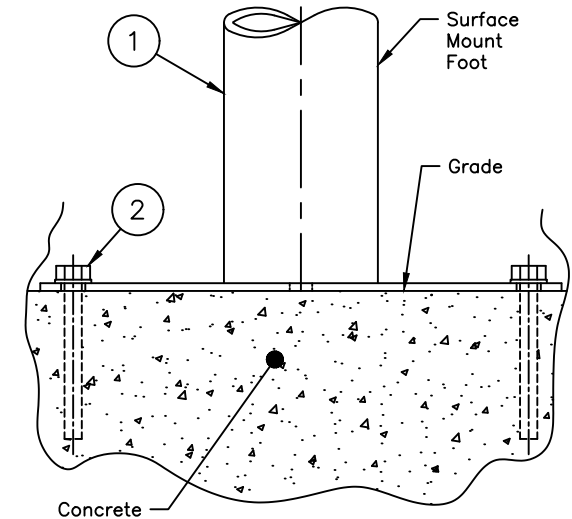


305mm SURFACE MOUNT

40mm SURFACE MOUNT



SURFACE MOUNT
FOOTING DETAIL



*** Note:
These dimensions are based on a 305mm [12"] or 40mm [1-1/2"] playground surfacing depth and will vary if other surfacing depths are used (refer to footing detail).

STAND N SPIN

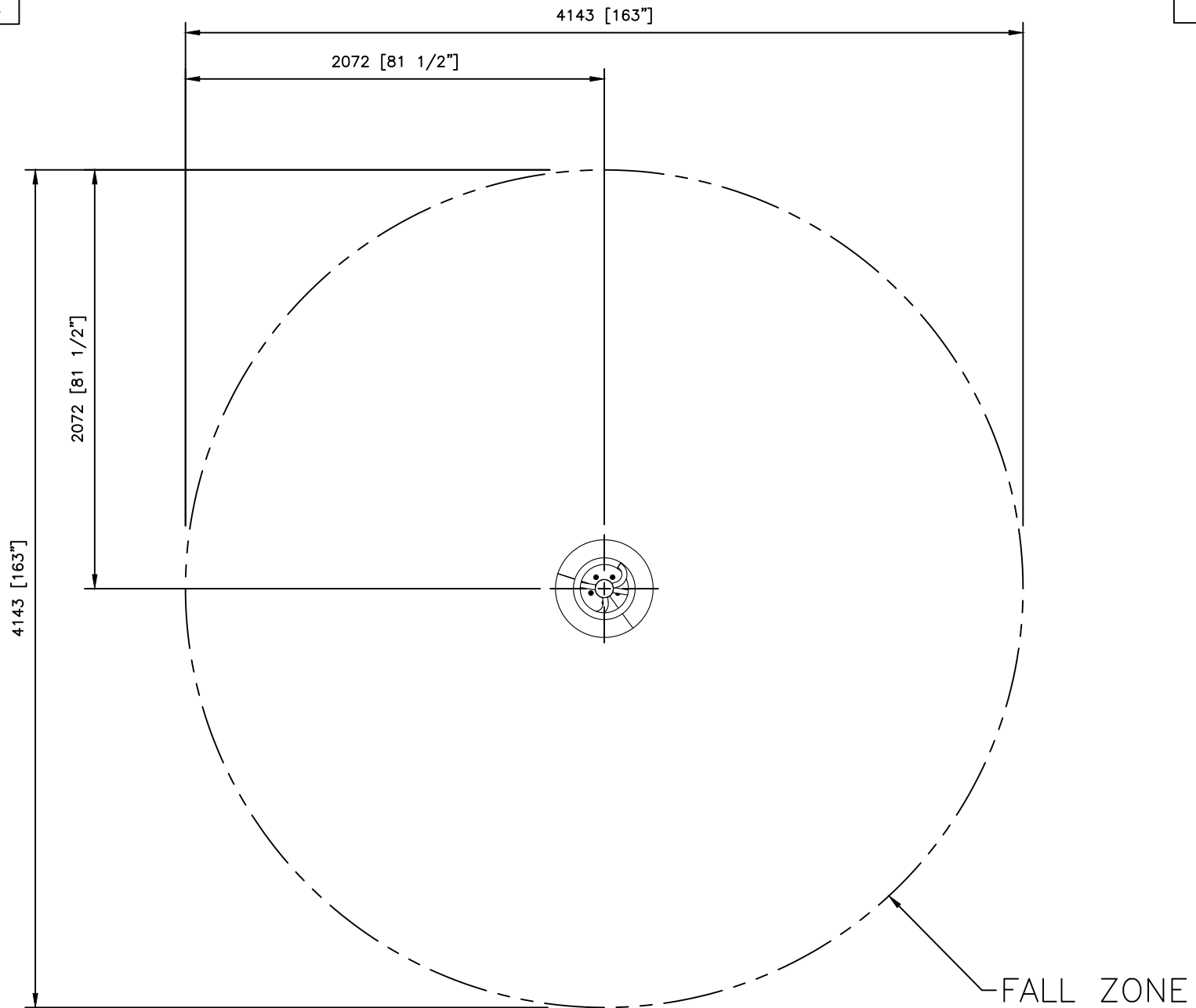
I500014D

Sheet 5 of 5

AUTHORIZED BY: 08JAN21

Kathy Ceyer

FALL ZONE



BEFORE INSTALLING LITTLE TIKES COMMERCIAL PRODUCT, "PLEASE READ INSTRUCTIONS THOROUGHLY"*SITE REQUIREMENTS:*

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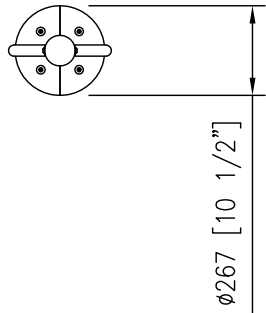
INSTALLATION MANUAL:

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ALL CHILDREN SHOULD BE SUPERVISED WHILE PLAYING ON EQUIPMENT.

JACKHAMMER

200170787
1900067E-S2
Sheet 2 of 4



Ø267 [10 1/2"]

Ø89 [3 1/2"]

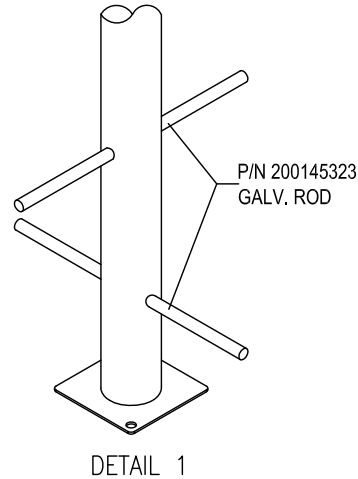
1

* 2038 [80"] O/ALL

* 217 [8 1/2"]

* 1310 [51 1/2"]

Finished
Playground
Surface



P/N 200145323
GALV. ROD

JACKHAMMER
200201314

Item	Code	Description	Qty.
1	-	ASSY F/JACKHAMMER	1

Application

- Intended for users age 5 to 12 years

Installation Instructions

1. Locate and Prepare footing.
2. Insert rods (P/N 200145323) through two holes on bottom of post as shown in DETAIL 1.
3. Install JACKHAMMER at correct height (*SEE NOTE)
4. Complete footing and install resilient surfacing.

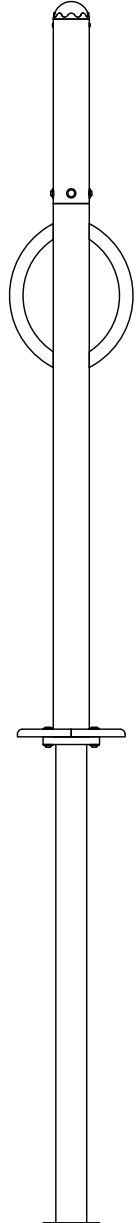
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* NOTE:

These dimensions are based on a 305mm [12"] playground surfacing depth and will vary if other surfacing depths are used (refer to sheet 3).

AUTHORIZED BY: 10AUG15
TRACY ARCHER

1



1. COMPLETE THE CALCULATION SHEET BELOW
(FILL IN BLOCKS A THRU E).
2. FOOTING SIZE MAY VARY DUE TO LOCAL SOIL AND WEATHER CONDITIONS.
3. BASE OF FOOTING MUST BE BELOW FROST LINE.

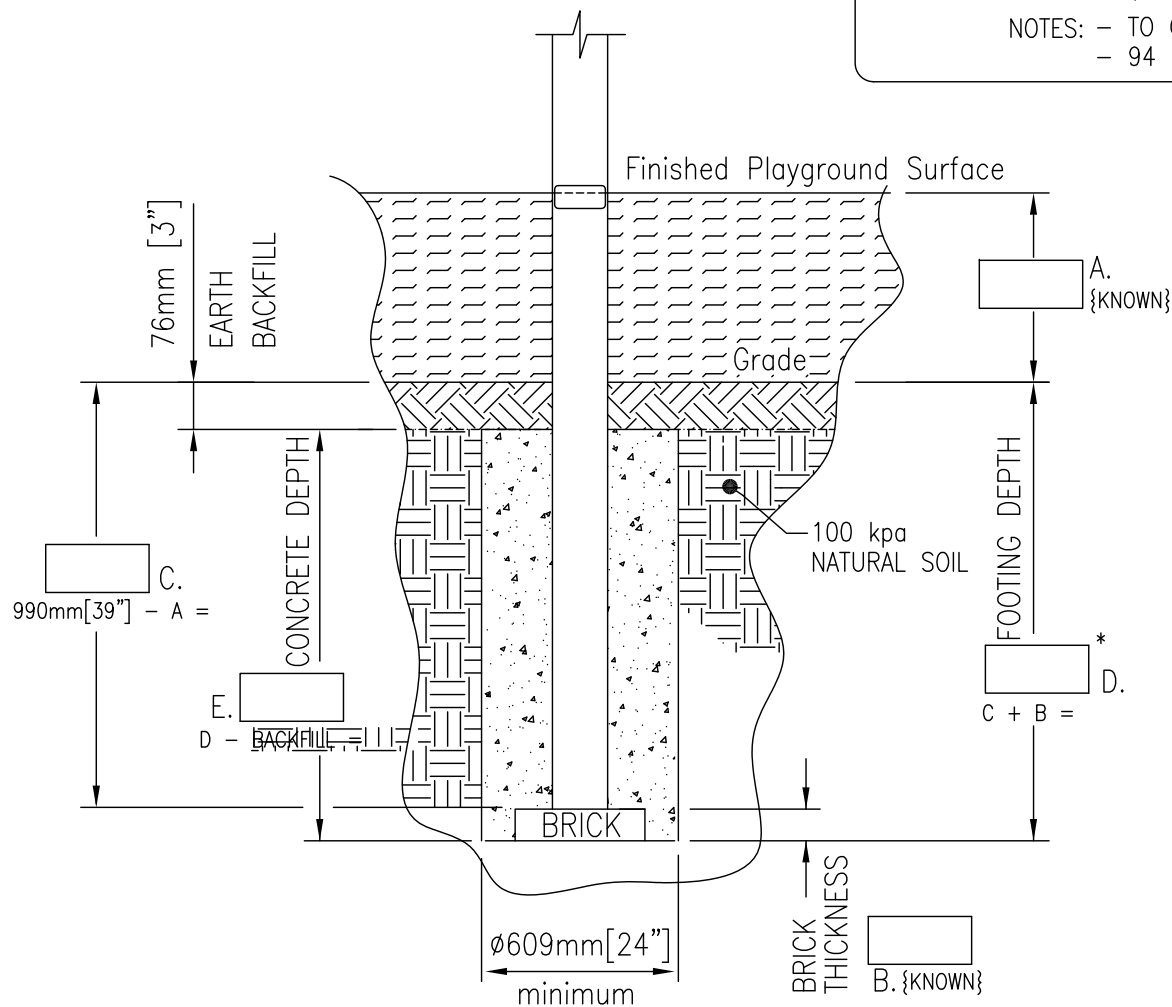
HOW MUCH CONCRETE?

VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:

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$$= 0.087 \text{ Yard}^3 \times \left\{ \frac{\text{CONCRETE DEPTH (IN)}}{36} \right\} \times \text{No. OF FOOTING HOLES} = \text{Yard}^3$$

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 - 94 lbs OF CONCRETE = 1 CUBIC FOOT.



A. GROUND COVER DEPTH {KNOWN}.

B. BRICK THICKNESS {KNOWN}.

C. 990mm [39"] - A BECAUSE A + C SHOULD ALWAYS EQUAL 990mm [39"]

D. FOOTING DEPTH = [C] + BRICK THICKNESS.

*MINIMUM 610mm [24"] + BRICK THICKNESS FOOTING DEPTH REQUIRED

E. CONCRETE DEPTH = FOOTING DEPTH [D] - 76mm [3"] (BACKFILL).

JACKHAMMER

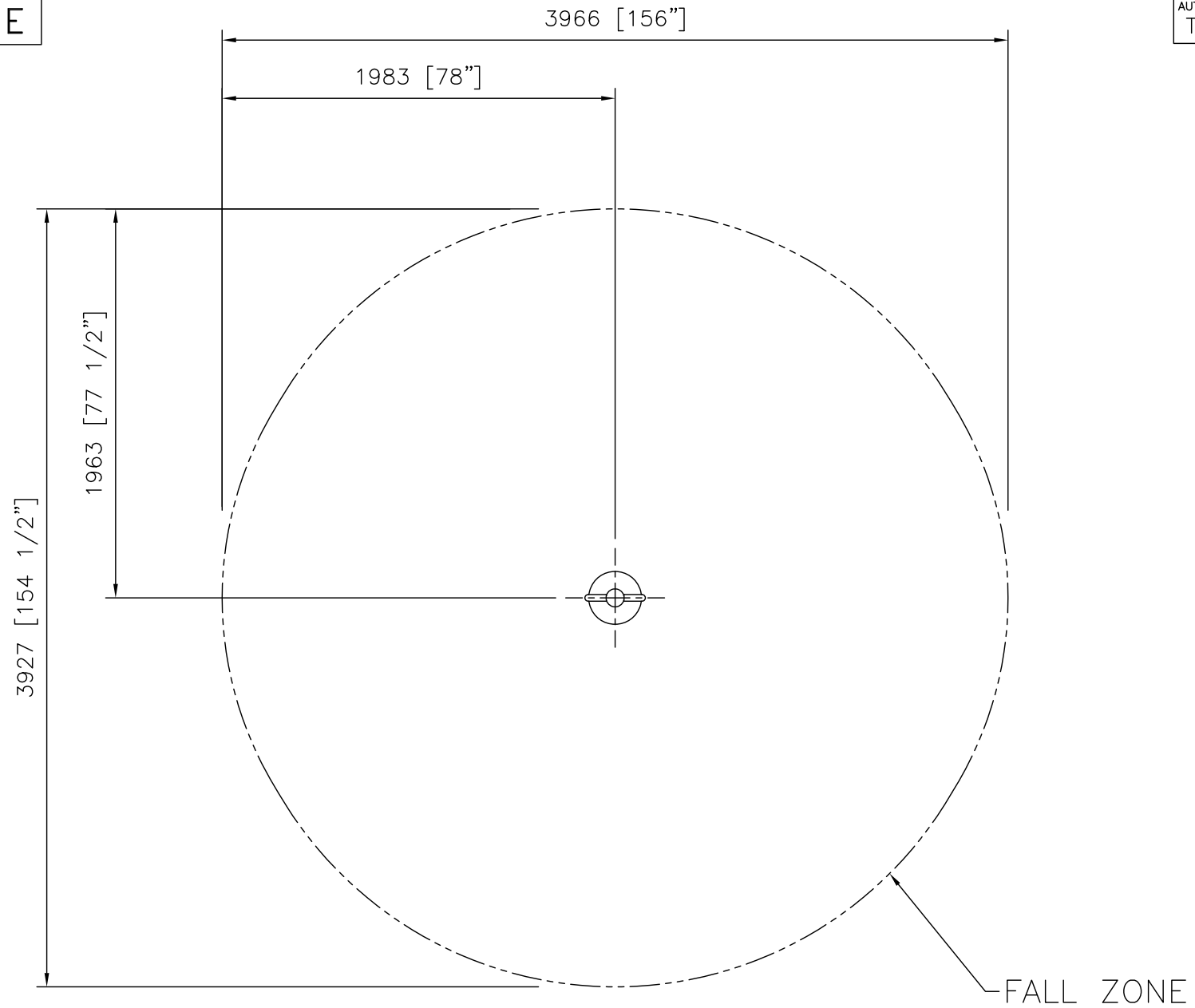
200170787

1900067E-S4

Sheet 4 of 4

AUTHORIZED BY: 10AUG15
TRACY ARCHER

FALL ZONE





Project Number: R0341250025

PlayArea: PlayArea_4 | PlayBuilders

Project Name:

Project Location:

Sales Representative:

Pacific Park and Play
PO Box 1909
Huntington Beach, CA 92647
(714)846-4885
(714)8463485

Installation Instructions

Please, read all information in this manual
before starting to install your equipment.

Date: 2/6/2025 12:00:00 AM



INTRODUCTION

Before starting installation, study your Play Builder Playground Layout Drawing and all installation instructions carefully. Pay special attention to the locations of posts, deck heights and fall area zones. Consider things such as, accessibility, direct sunlight/shade, fall area, and visibility of supervision when planning the orientation of your structure.

The resilient surfacing must be well drained. If it does not drain naturally, it must be tiled or sloped at 38mm[1/8"] to 63.5mm[1/4"] per foot to a drainage system.

THE ORDER OF ASSEMBLY:

- 1) Prepare your site. (Consideration is necessary for installing the talk tube on a structure. See Site Preparation Guidelines," or Talk Tube instructions for details.)
- 2) If you are using an Anchor bolt, you will need to pour concrete at least 48 hours in advance. Do not leave any open holes overnight. (Never leave a structure overnight in a potentially hazardous condition i.e. open footing holes, open decks, exposed concrete, without roping off the area and posting warning signs. It is always best if the construction is scheduled such that the entire installation can be performed in one day, however, with larger structures this may be difficult.)
- 3) Start with the lowest deck and four posts. Calculate the location of the deck top on the first post by adding 991[39"] to the deck height. Mark the post then install as shown. (See Square Deck installation instructions for further details. **THE INSTALLATION OF THE FIRST DECK IS CRITICAL TO PROPERLY INSTALLING THIS EQUIPMENT, SO MAKE SURE THE POSTS AND DECK ARE AT THE PROPER HEIGHT AND ARE PLUMB AND LEVEL.**)
- 4) Place this assembly in the footings. If you are sure the first deck assembly is correctly positioned, you may pour the four post footings at this time to help stabilize the structure. If installing the Surface Mount method, move the assembly to the proper location. Use the feet as templates, drill bolt holes and secure the structure to the footings.
- 5) If a Deck to Deck Plate, Ladder Panel, or Interstep Deck are to be attached to the first deck, assemble the bottom edge to the deck edge. See individual instructions for details.
- 6) Attach the next deck to two posts and move the posts into the footing holes and level the deck. Attach the two open corners of the deck to the previous deck assembly posts. Finish installing the deck to deck attachment by assembling it to the edge of the upper deck.

7) Attach any structure linking events or overheads to the deck assemblies, such as Crawl Tunnels, Clatter Bridges, Burmese Bridges, Suspension Bridges, Challenge Ladders, etc..Continue to add the remaining decks and deck attachments to the existing structure until all platforms are in place.

8) Make sure the structure is level and the decks are at the proper height. Install any roofs or enclosures.

9) Install all remaining events.

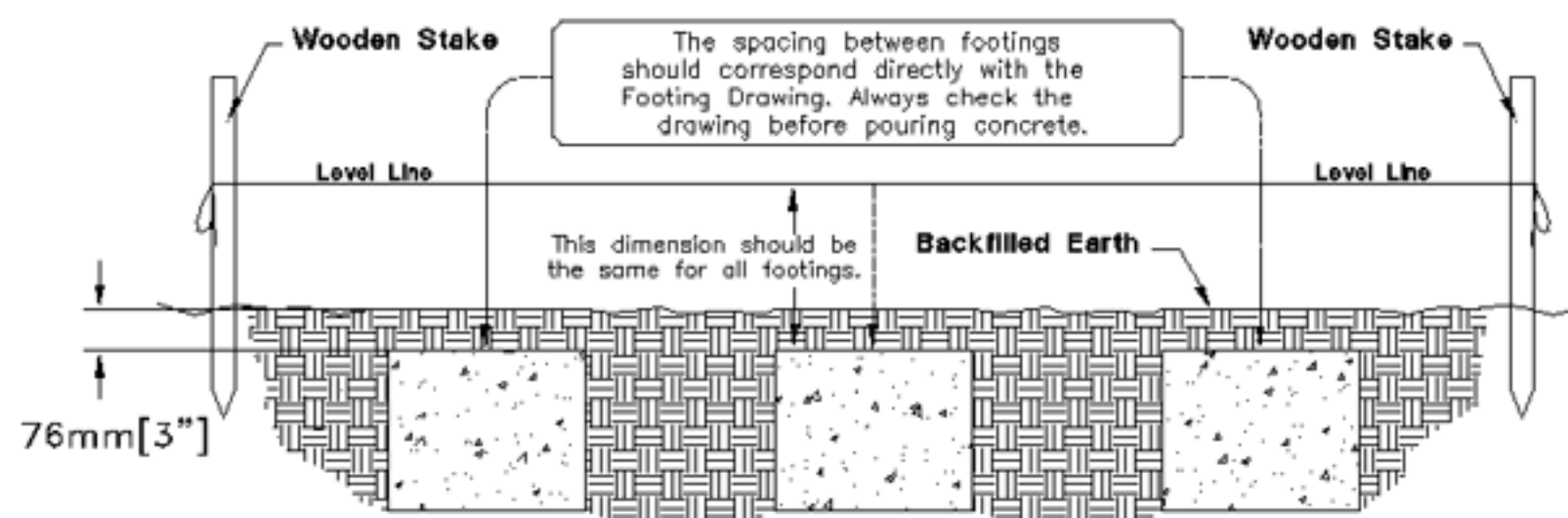
10) Place warning labels on the structure.

11) Install resilient surfacing on the entire "use zone".

MAKING LEVEL FOOTINGS:

By using wooden stakes and stringing a level line, you can determine the proper height for your concrete. If available, a surveyor's transit will also be helpful.

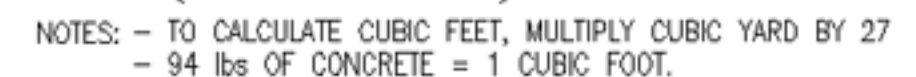
Determine ground level at the lowest footing location and pour concrete in this location first. This level will be your datum plane. (The point at which all other footing heights are referenced from.) Pour the rest of the footings up to 76mm[3"] from the level of the datum plane. Make sure that all measurements from the top of the poured footing to the level line are the same. (Hint: If installing a surface mount structure, concrete should be poured at least 48 hours in advance of the playground being installed to ensure maximum holding potential.)



Note: 94 lbs. of concrete = 1ft³

207 grams = 0.041m³

If installing with the Inground method, you must always backfill footings with at least 76mm(3") of earth after concrete has cured. (not shown)



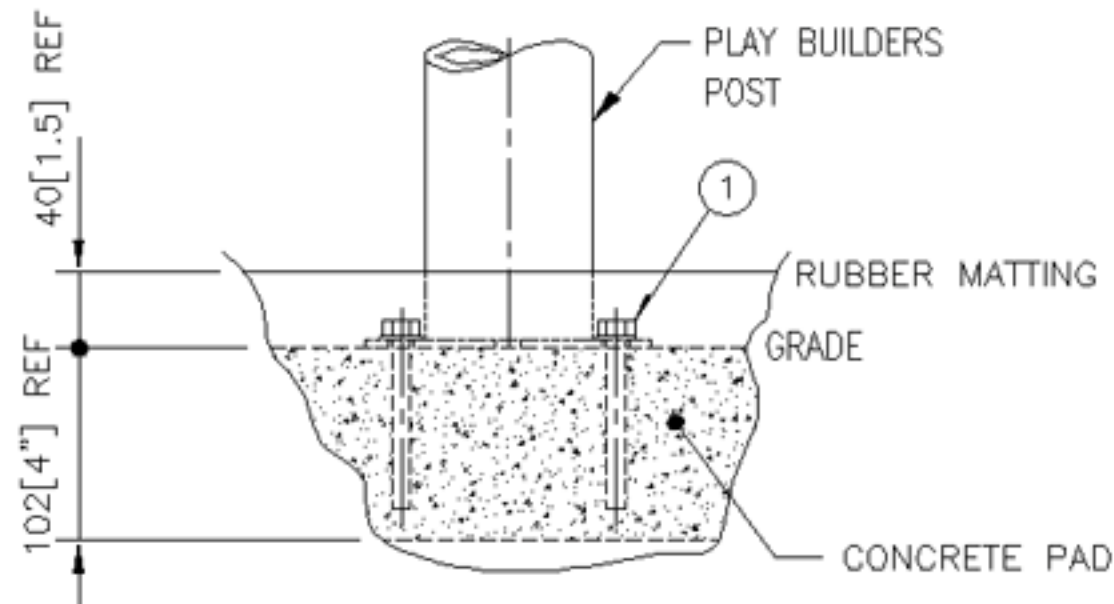


200073958

SURFACE MOUNT FOOTINGS

POST FOOTING

A 3/8" MASONRY BIT IS REQUIRED FOR INSTALLING ANCHOR BOLTS.



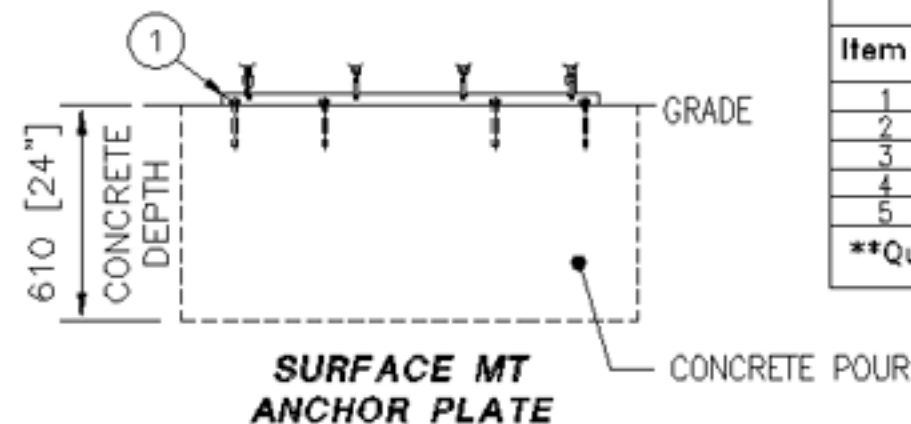
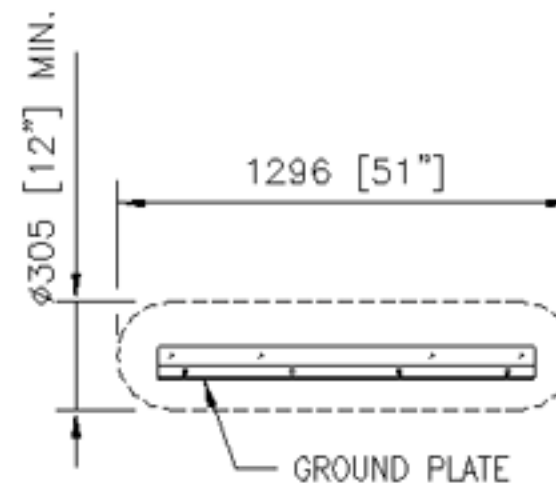
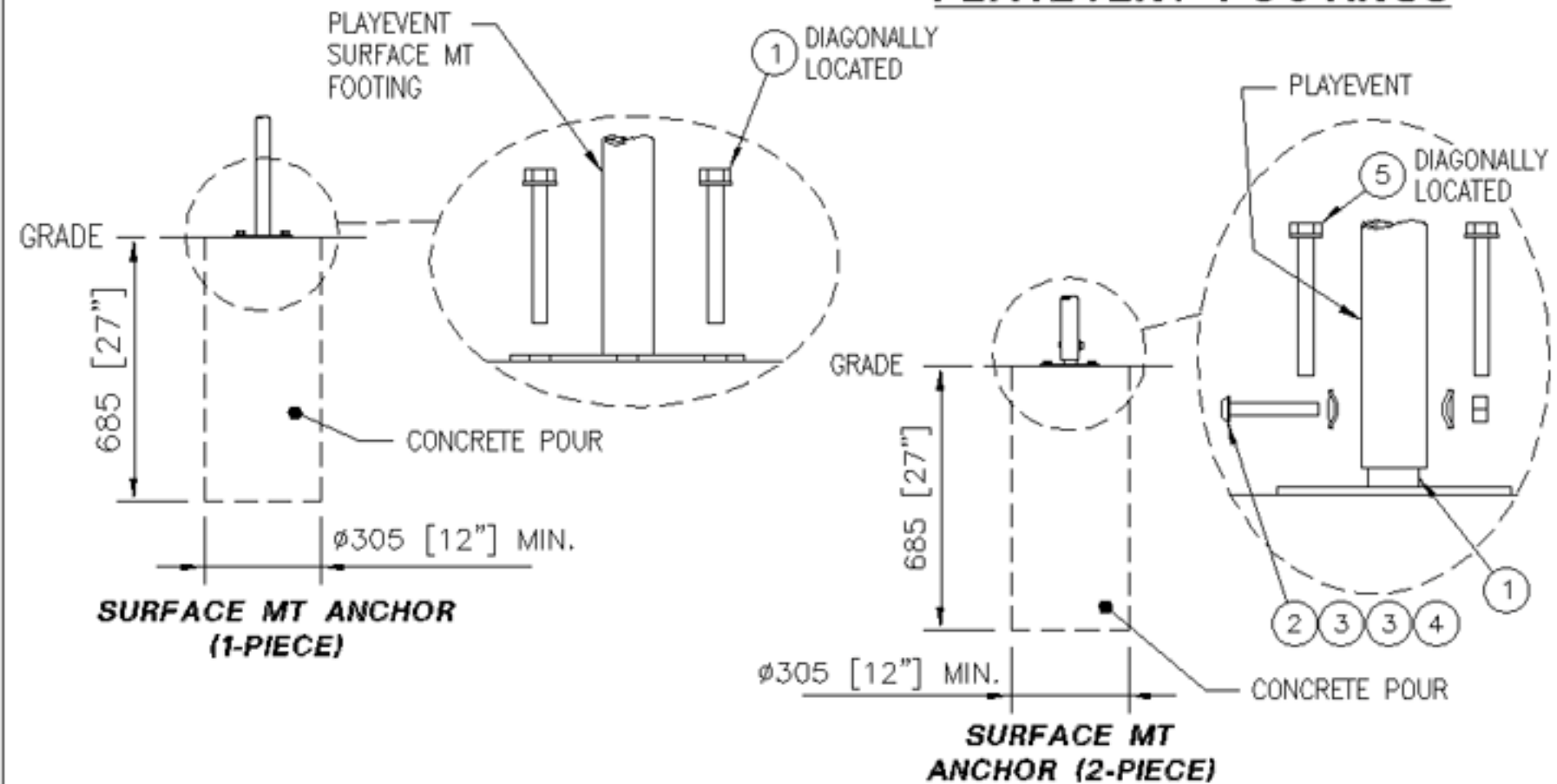
SURFACE MOUNT

POST FOOTINGS PARTS LISTS SURFACE MOUNT ANCHOR

Item	Drg Ref	Description	Qty.*
1	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	16

*Quantities are for a set of four posts (one square deck).

CONCRETE MAY
REQUIRE UP TO
THREE DAYS TO
CURE.



PLAYEVENT FOOTINGS PARTS LISTS

SURFACE MOUNT ANCHOR (1-PIECE)

Item	Drg Ref	Description	Qty.**
1	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	2

SURFACE MOUNT ANCHOR (2-PIECE)

Item	Drg Ref	Description	Qty.**
1	-	TUBE ANCHOR	1
2	200002150	SCREW MACH BUTTONHEAD M10 X 1.5 X 55 MM	1
3	200008483	WASHER BOWED M11 23.5 X 11.7 X 1.57 MM	2
4	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	1
5	200001776	ANCHOR CONCRETE WEDGE M10 X 1.50 X 100MM	2

**Quantities are for one footing.

PB000008A

AUTHORISED

09FEB99



GENERAL INFORMATION

200073957

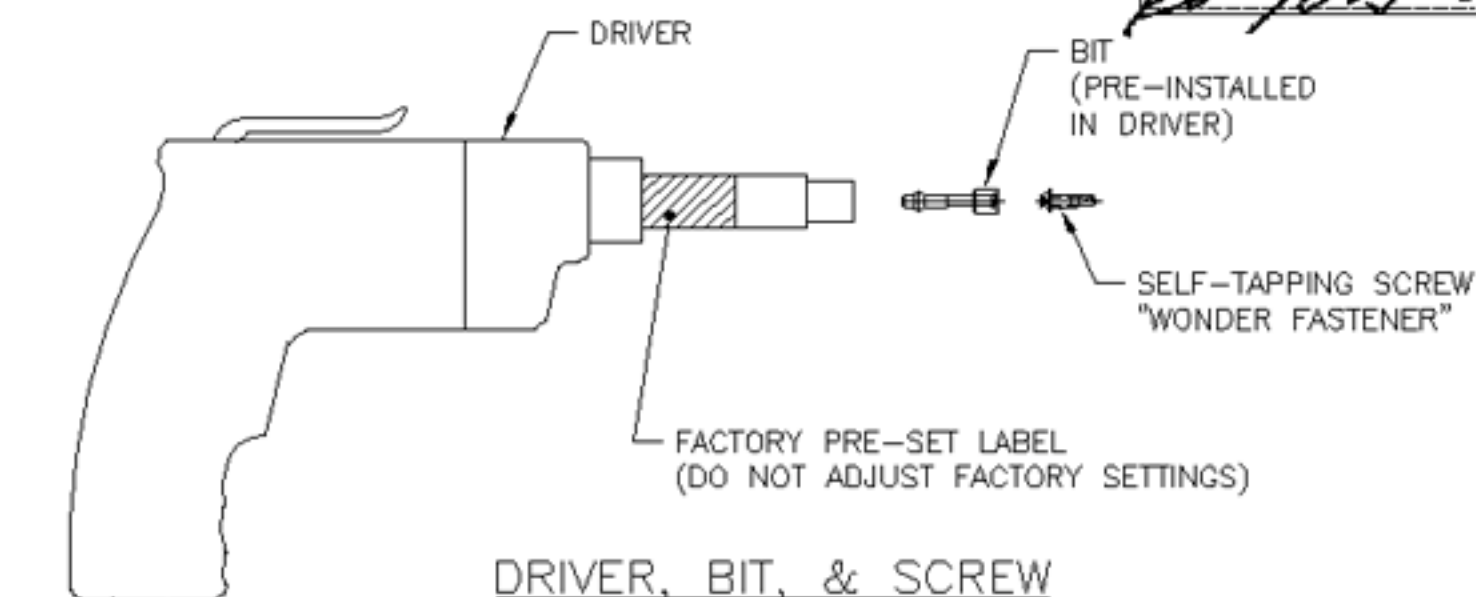
PB000009C

AUTHORIZED BY:

21JUL04

IMPORTANT:

All Little Tikes Commercial Play Systems play events have been designed and engineered to meet all safety guidelines, but if installed improperly, problems may occur: such as protruding hardware, entrapment gaps between 76mm[3"] to 254mm[10"], or string entanglements. Make certain the runout heights on all slides match what is recommended on the instruction page for that model number. Any accessible bolt ends that protrude beyond the face of the nut more than two threads should be trimmed off and peened by the installer. Once your installation is complete, always inspect your work and the manufacturer's assembly instructions. Material Safety Data Sheets (MSDS) are available upon request. Call Customer Service at 1(800) 325-8828 for copies.



THIS INSTALLATION EQUIPMENT HAS BEEN PROVIDED TO ASSURE THE PROPER INSTALLATION OF PLAY BUILDER COMPONENTS. DO NOT USE ANY OTHER DRILL FOR INSTALLING THE "WONDER FASTENER". THE FASTENER MAY BE OVER TORQUED AND FAILURE MAY OCCUR.

LABELS: Safety Labels have been provided by Little Tikes Commercial Play Systems Inc. for the purpose of informing the user of the potential safety risk involved if a fall onto a hard surface occurs. It is important when installing your playground equipment to display this label in a prominent location on each structure.

The label should be placed such that it will:

- 1) be readily visible to the intended viewer.
- 2) alert the viewer to the potential hazard in time to take appropriate action.

Surfacing labels have been provided to assist with the of your ground cover. After installing your ground cover, these labels should be placed on the posts by the installer. Attach a label to a post so that the line is level with ground cover as erosion or compaction of the surfacing occurs, the line will be visible. This will indicate that it is time to add material to your surfacing. If the surfacing is worn away, greatly reduces its effectiveness.



SPECIFICATIONS FOR STANDARD INSTALLATION PARTS

FASTENERS

FINISH: STAINLESS STEEL (METRIC)

GASKETS

MATERIAL: J-VON HERCUPRENE ENGINEERED ELASTOMER 6194B-88A900

COLOR: BLACK

FINISH: NONE

PANEL & RAIL TABS

MATERIAL: 7 GA. PRE-GALVANIZED SHEET STEEL

COLOR: AS SELECTED FROM STANDARD COLOR RANGE

FINISH: POLYESTER POWDER COAT

KID VILLAGE BRACKET

MATERIAL: 7 GA. HR SHEET STEEL

COLOR: BROWN

FINISH: POLY VINYL CHLORIDE

BRACKET BENT F/KK VILLAGE PANELS

MATERIAL: 11 GA. HR SHEET STEEL, ZINC PLATED

COLOR: AS SELECTED FROM STANDARD COLOR RANGE

FINISH: POLYESTER POWDER COAT

SURFACE MT POST PLATE

MATERIAL: 7 GA. PRE-GALVANIZED SHEET STEEL

COLOR: AS SELECTED FROM STANDARD COLOR RANGE

FINISH: POLYESTER POWDER COAT

SURFACE MT BRACKETS

MATERIAL: 7 GA. PRE-GALVANIZED SHEET STEEL

COLOR: BROWN

FINISH: POLYESTER POWDER COAT

INGROUND BRACKETS

MATERIAL: 11 GA. PRE-GALVANIZED SHEET STEEL AND #73 [2-7/8"] 5 GA. PRE-GALVANIZED STEEL TUBING

COLOR: BROWN

FINISH: POLYESTER POWDER COAT

TUBE ANCHORS

MATERIAL: 7 GA. PRE-GALVANIZED SHEET STEEL AND #33.4 [1-5/16"] 14 GA. PRE-GALVANIZED STEEL TUBING

COLOR: AS SELECTED FROM STANDARD COLOR RANGE

FINISH: POLYESTER POWDER COAT



TYPICAL ATTACHMENTS

200073959

PB000010B

Sheet 1 of 1

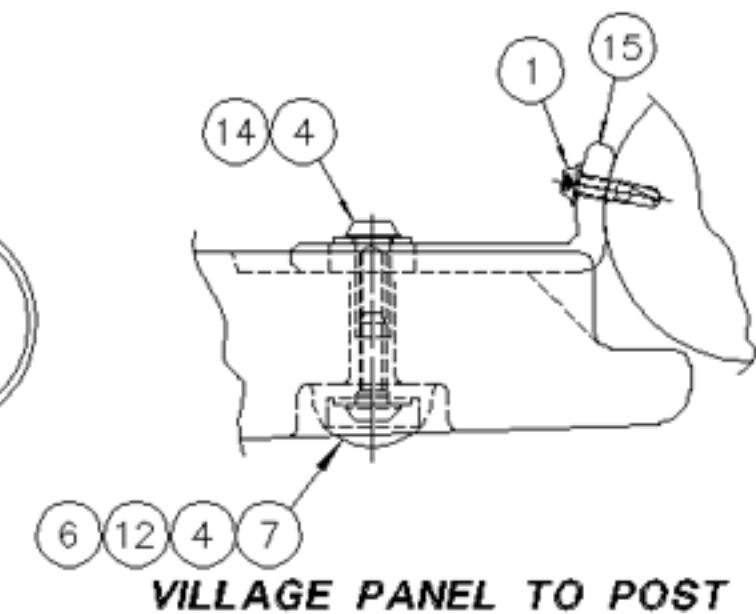
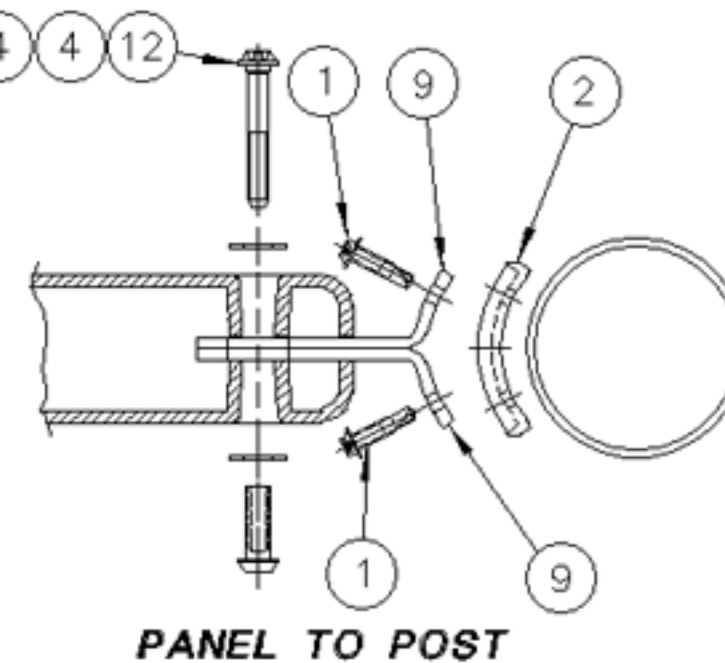
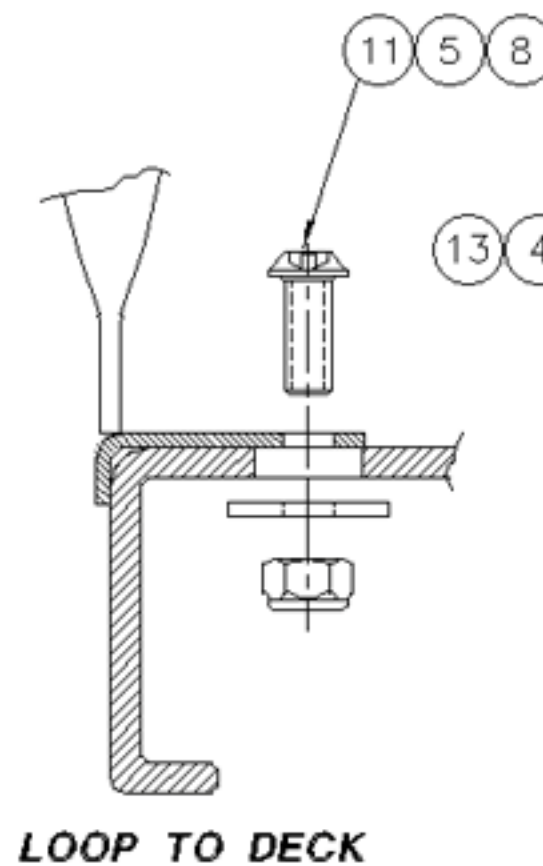
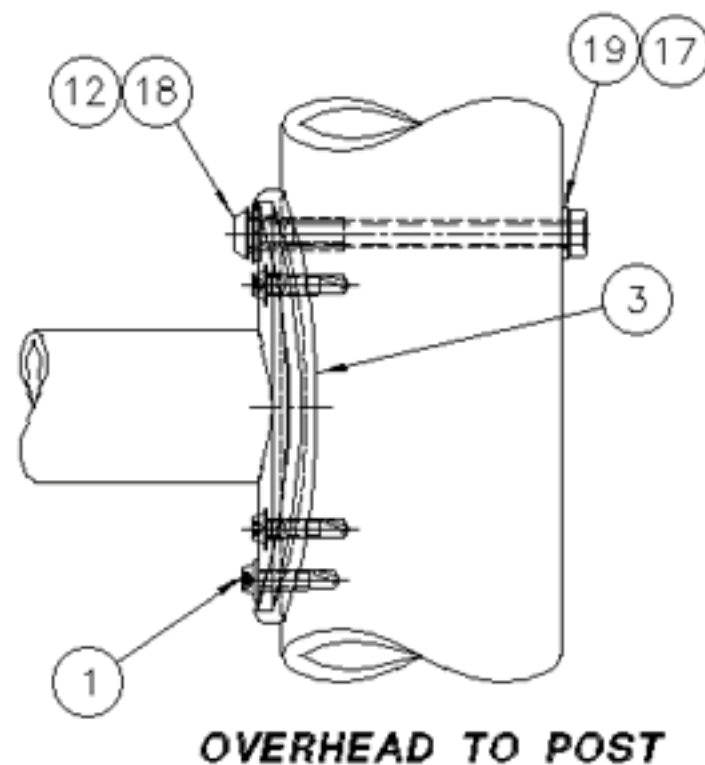
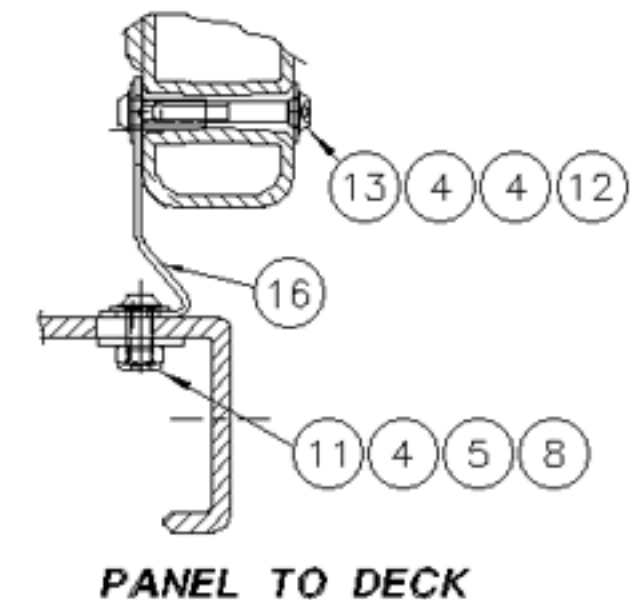
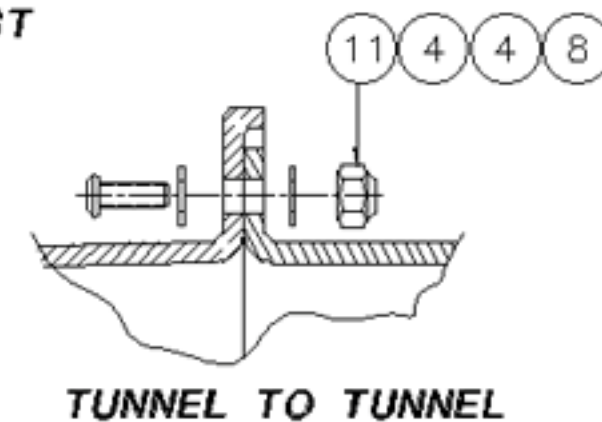
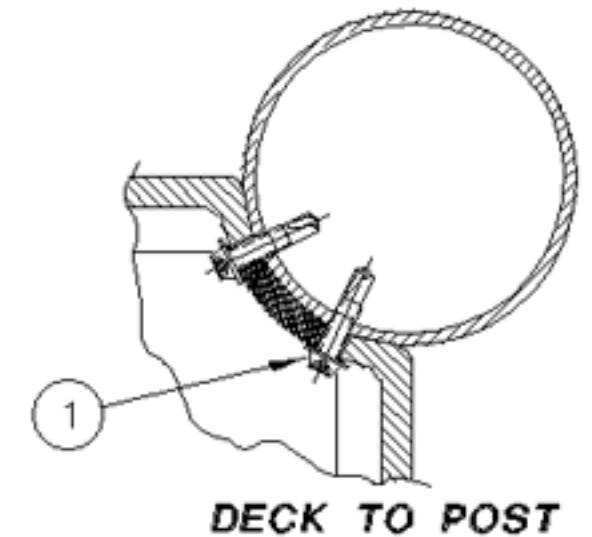
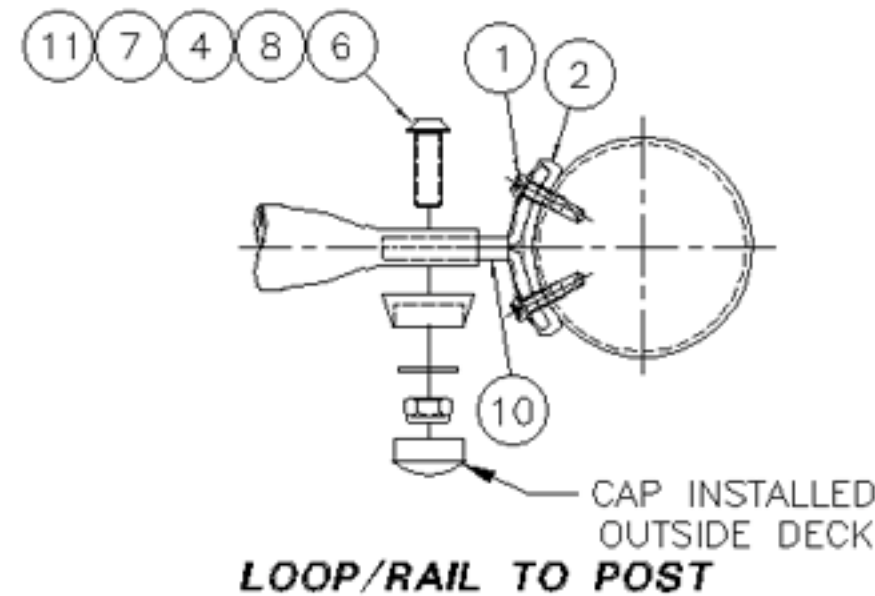
AUTHORIZED BY:

21JUL04

POST FOOTINGS PARTS LISTS

TYPICAL ATTACHMENTS

Item	Drg Ref	Description
1	300002750	SCREW T-27 TORX ROUND WASHER HD
2	200058372	GASKET F/PB TABS (SMALL)
3	200058373	GASKET F/PB PLATE (LARGE)
4	200002079	WASHER FLAT M11 23 X 12 X 1.6
5	200002096	WASHER FLAT M10 340D X 11ID X 3 MM THK
6	-	CAP HDWR COVER
7	-	CAP HDWR BASE
8	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5
9	-	TAB PANEL F/PB
10	-	TAB RAIL 33.4 F/PB
11	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25MM
12	200002145	BOLT M8 X 1.25 FEMALE 10.3 X 30 MM
13	200002138	BOLT M8 X 1.25 MALE 42.5 MM
14	200002133	BOLT M8 X 1.25 MALE 27.5 MM
15	200065377	BRACKET F/PB VILLAGE PANELS (TDV)
16	-	BRACKET BENT F/KK VILLAGE PANELS
17	200073027	WASHER RUBBER 9 ID X 16 OD X 2.4
18	200073028	WASHER SEALING 8.4 ID X 19 OD X 2.8
19	200001830	CAP SCREW HEX HEAD M8 X 1.25 X 90MM

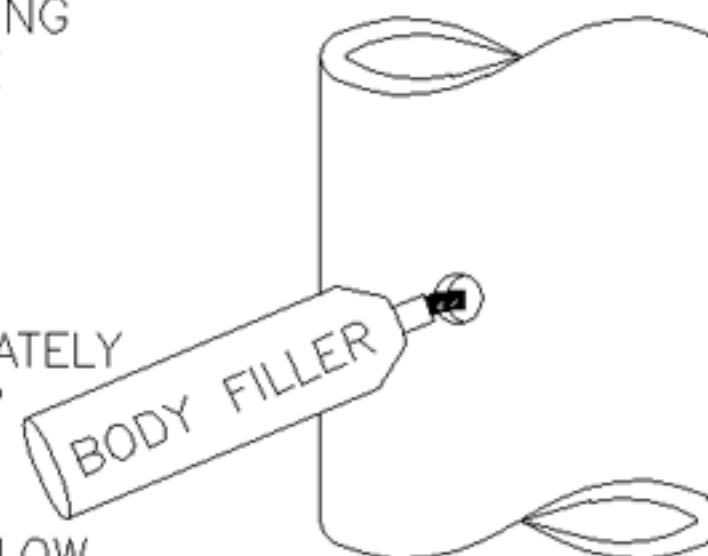


STEP 1

FLATTEN THE RING AROUND THE HOLE (LEFT BY THE THREADING PROCESS) WITH A MODERATE BLOW BY A HAMMER

STEP 2

PENETRATE HOLE WITH BODY FILLER, LEAVING AN APPROXIMATELY 13mm [1/2"] DIAMETER BUMP OF FILLER, PROTRUDING 3mm [1/8"] BEYOND OUTSIDE SURFACE OF THE POST TO ALLOW FOR SHRINKAGE OF FILLER MATERIAL



STEP 3

LET FILLER DRY FOR 24 HOURS

STEP 4

AFTER DRIED, REMOVE EXCESS FILLER WITH COARSE SANDPAPER OR FILE

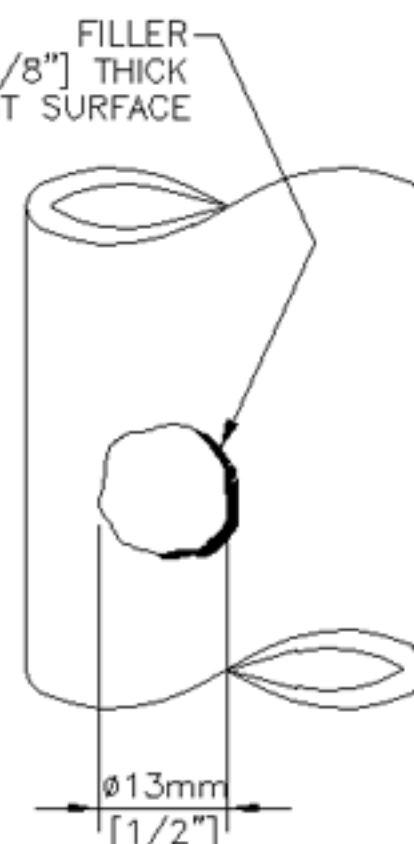
STEP 5

FINISH SANDING WITH FINER GRIT SANDPAPER

STEP 6

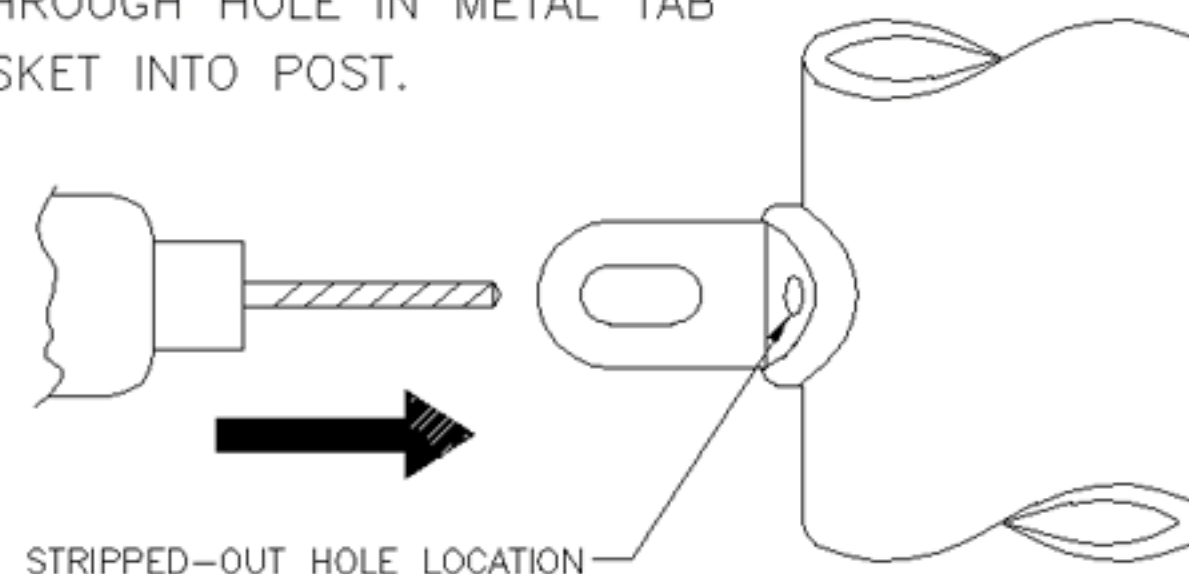
PAINT FILLED AND SANDED AREA WITH TOUCH-UP PAINT

FILLER
3mm [1/8"] THICK
ABOVE POST SURFACE



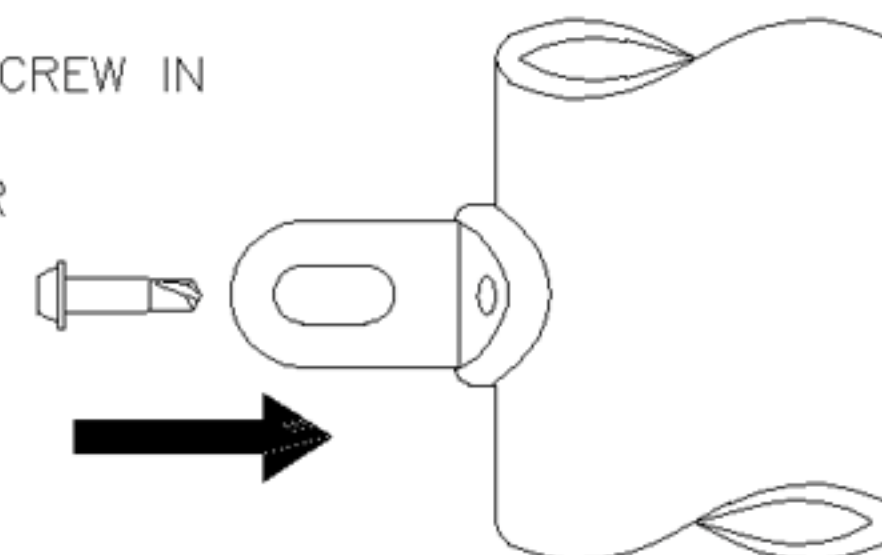
STEP 1

USE 5.5mm [7/32"] DRILL BIT TO DRILL THROUGH HOLE IN METAL TAB AND GASKET INTO POST.



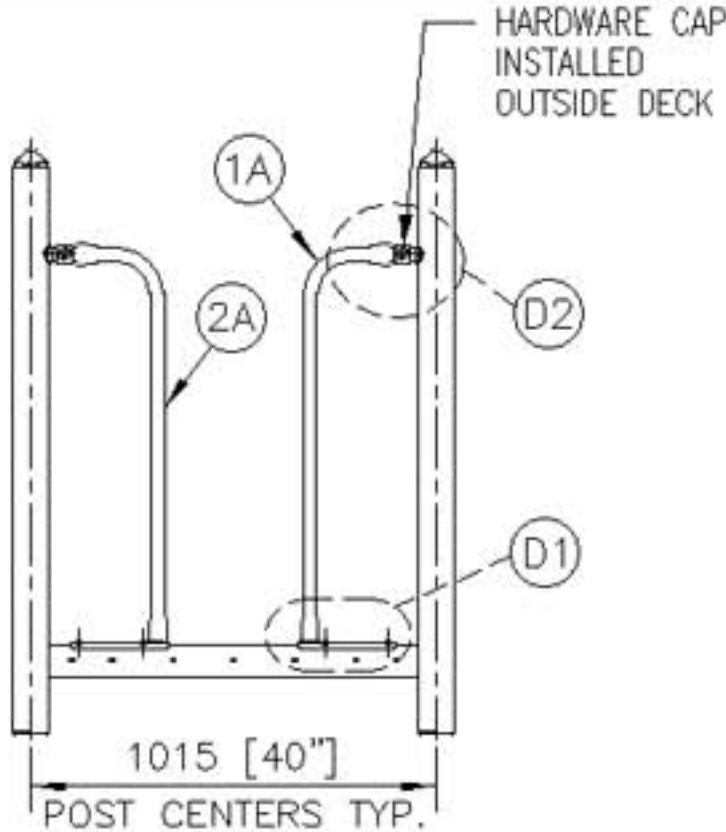
STEP 2

INSTALL OVERSIZE SCREW IN DRILLED-OUT HOLE WITH DEWALT DRIVER

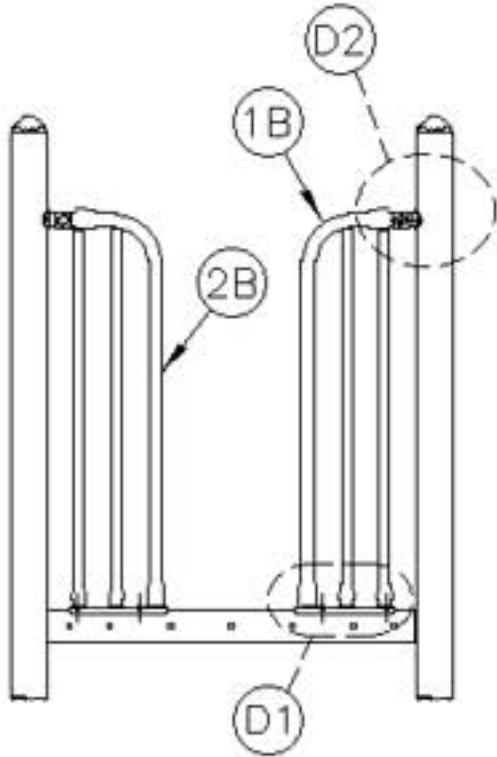




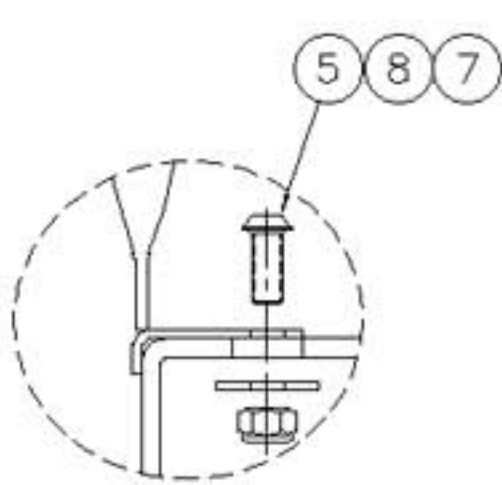
STEEL LOOPS



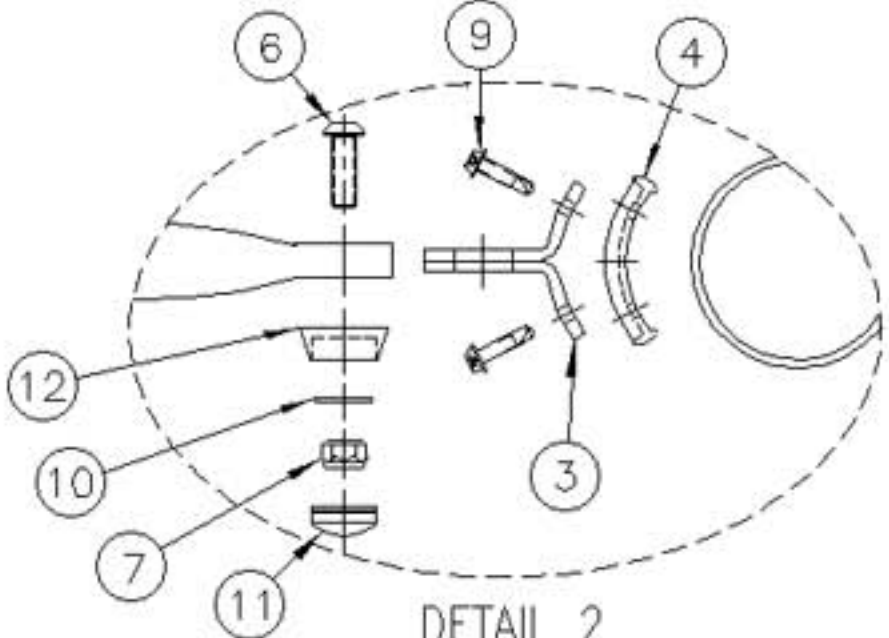
HANDHOLD LOOP



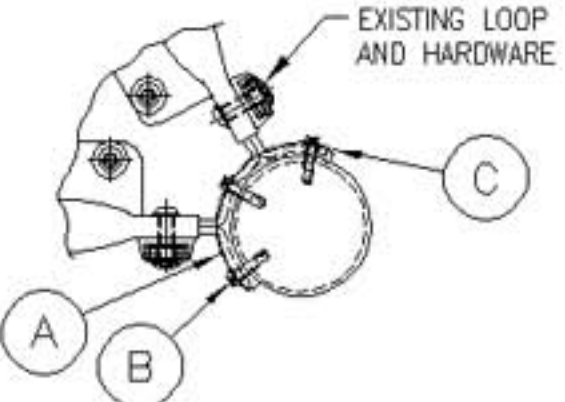
SAFETY LOOP



DETAIL 1
TYP 4 PL



DETAIL 2
TYP 2 PL



[NOTE: FOR UNDERSURFACING & FOOTINGS REFER TO SEPARATE INSTRUCTIONS]

PB LOOP HANDHOLD 200058176			
Item	Code	Description	Qty.
1A	-	LOOP HANDHOLD RIGHT F/PB	1
2A	-	LOOP HANDHOLD LEFT F/PB	1
3	-	TAB RAIL 33.4	4
11	-	CAP HDWR COVER	2
12	-	CAP HDWR BASE	2

HDWR BAG F/PB LOOPS 200053777			
4	200058372	GASKET F/PB TABS (SMALL)	2
5	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25mm	4
6	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30mm	2
7	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	6
8	200002096	WASHER FLAT M10 340D X 111D X 3mm THK	4
9	300002750	SCREW T-27 TORX ROUND WASHER HD	4
10	200002079	WASHER FLAT M11 23 X 12 X 1.6mm	2

PB SAFETY LOOP 200058177			
Item	Code	Description	Qty.
1B	-	LOOP SAFETY RIGHT F/PB	1
2B	-	LOOP SAFETY LEFT F/PB	1
3	-	TAB RAIL 33.4	4
11	-	CAP HDWR COVER	2
12	-	CAP HDWR BASE	2

HDWR BAG F/PB LOOPS 200053777			
4	200058372	GASKET F/PB TABS (SMALL)	2
5	200002018	SCREW MACH BUTTONHEAD M10 X 1.50 X 25mm	4
6	200002030	SCREW MACH BUTTONHEAD M10 X 1.50 X 30mm	2
7	200001945	NUT LOCK HEX NYLON INSERTED M10 X 1.5	6
8	200002096	WASHER FLAT M10 340D X 111D X 3mm THK	4
9	300002750	SCREW T-27 TORX ROUND WASHER HD	4
10	200002079	WASHER FLAT M11 23 X 12 X 1.6mm	2

BRACKET F/PB TRI-DECK LOOP 200085631			
Item	Code	Description	Qty.
A	-	ASSY BRACKETS F/PB TRI-DECK LOOPS	1

HDWR BAG F/PB TRI-DECK BRACKET 200085632			
B	300002750	SCREW T-27 TORX ROUND WASHER HD	3
C	200058373	GASKET F/PB PLATE (LARGE)	1

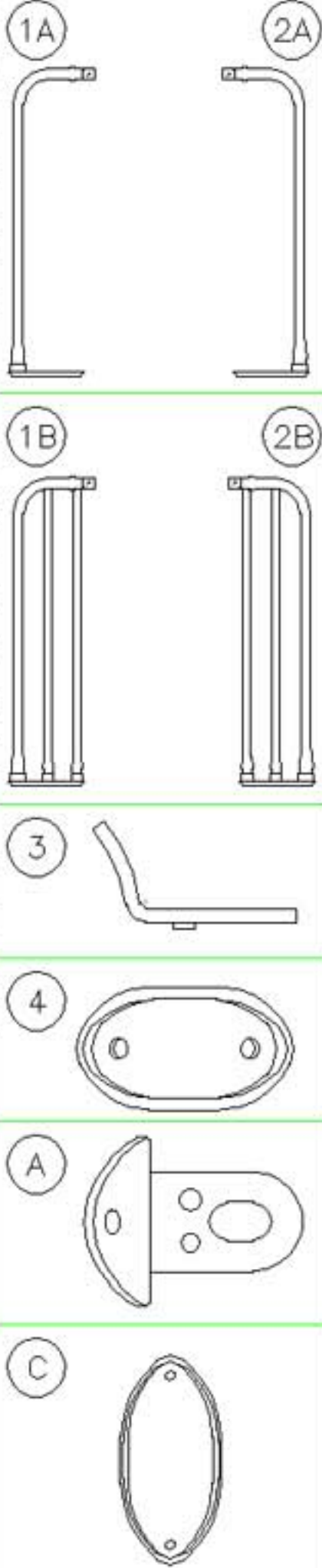
Application

- Use handhold loops when deck height is equal to or less than 762mm[30"] for 2-5 age groups.
- Use handhold loops when deck height is equal to or less than 1220mm[48"] for 5-12 age groups.
- Suggested for use on all wheelchair accessible decks.

Installation Instructions

1. loosely attach rail tabs to the loops as shown in detail
2. Do not push cap covers in place yet.
2. Attach loop to the deck top. See detail 1.
3. Using the drill provided, fasten the rail tabs to the post, as shown in detail 2.
4. Tighten all hardware and secure cap covers.
5. Add resilient ground cover.

AUTHORIZED BY:
Shawn Shickard 31AUG07



Installation Guide

Rev. A

Freestanding Communication Board Signs

IMPORTANT! Prior to installation of any components, refer to the "Owner/Operator Manual". This manual will provide important information pertaining to site preparation, footings, system stabilization and other necessary information vital to the success of your installation.

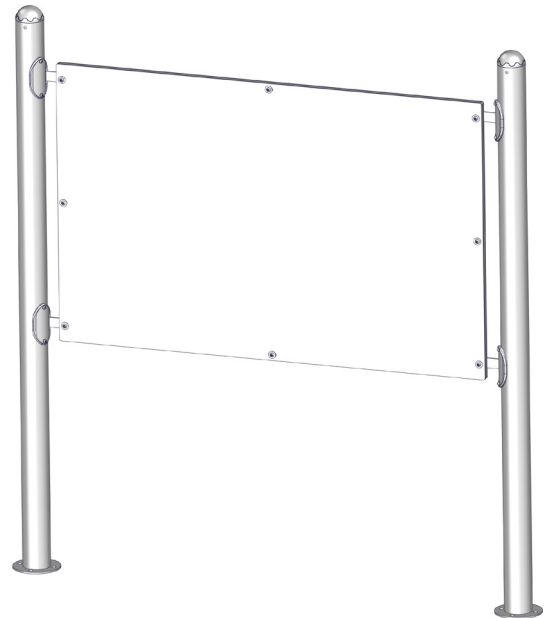


Graphic On Model 200203886 and
Model 200203889



Graphic On Model 200203887 and
Model 200203889

I100010 Communication Board Sign



SURFACE MOUNT model shown

Model #	Product
200203886	FS COMMUNICATION SIGN
200203887	FS INCLUSIVE PLAY SIGN
200203889	FS COMM/INC PLAY DBL SIDED SIGN

Notes:

Posts not included with these models.

Models attach to two 88.9mm [3 1/2"] diameter posts.

An (*) by a part number (Code) indicates: Color Code Required.

Communication Board Signs

I100010

Freestanding

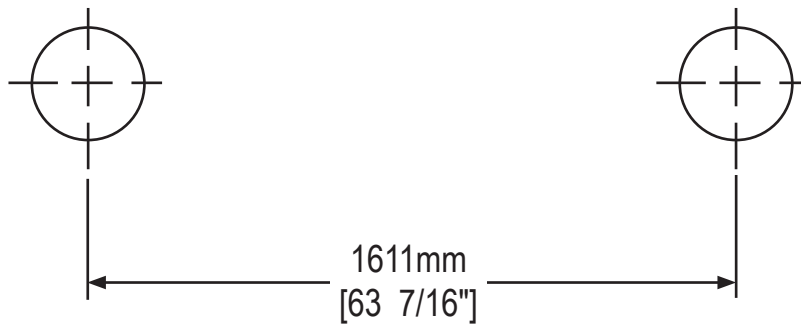
Communication Board Signs

FS COMMUNICATION SIGN Model 200203886		
CODE	DESCRIPTION	QTY
931870	LT UP COMMUNICATIONS BOARD	1
929986*	LT COMMUNICATIONS BOARD	1
908368*	TAB F/PB SGL.WD. SLIDE HOOD	4
HW1144-1	HRDW PKG F/COMM BOARD M1/1	1
200058373	GASKET F/PB PLATE (LARGE)	4
FS INCLUSIVE PLAY SIGN Model 200203887		
CODE	DESCRIPTION	QTY
931886	LT UNLIMITED PLAY SIGN	1
929986*	LT COMMUNICATIONS BOARD	1
908368*	TAB F/PB SGL.WD. SLIDE HOOD	4
HW1144-1	HRDW PKG F/COMM BOARD M1/1	1
200058373	GASKET F/PB PLATE (LARGE)	4
FS COMM/INC PLAY DBL SIDED SIGN Model 200203889		
CODE	DESCRIPTION	QTY
931870	LT UP COMMUNICATIONS BOARD	1
931886	LT UNLIMITED PLAY SIGN	1
929986*	LT COMMUNICATIONS BOARD	1
908368*	TAB F/PB SGL.WD. SLIDE HOOD	4
HW1144-1	HRDW PKG F/COMM BOARD M1/1	1
200058373	GASKET F/PB PLATE (LARGE)	4

HRDW PKG F/COMM BOARD M1/1 HW1144-1		
CODE	DESCRIPTION	QTY
110424	BOLT M8 X 1.25 FEMALE 10.3 X 16MM	8
304272	BOLT M8 X 1.25 MALE 20MM Torx w/patch	8
200002079	WASHER FLAT M11 23 X 12 X 1.6MM	16
300002750	SCREW T-27 TORX ROUND	8
200002133	BOLT M8 X 1.25 MALE 27.5 MM	8

Freestanding Communication Board Signs

FOOTING LAYOUT

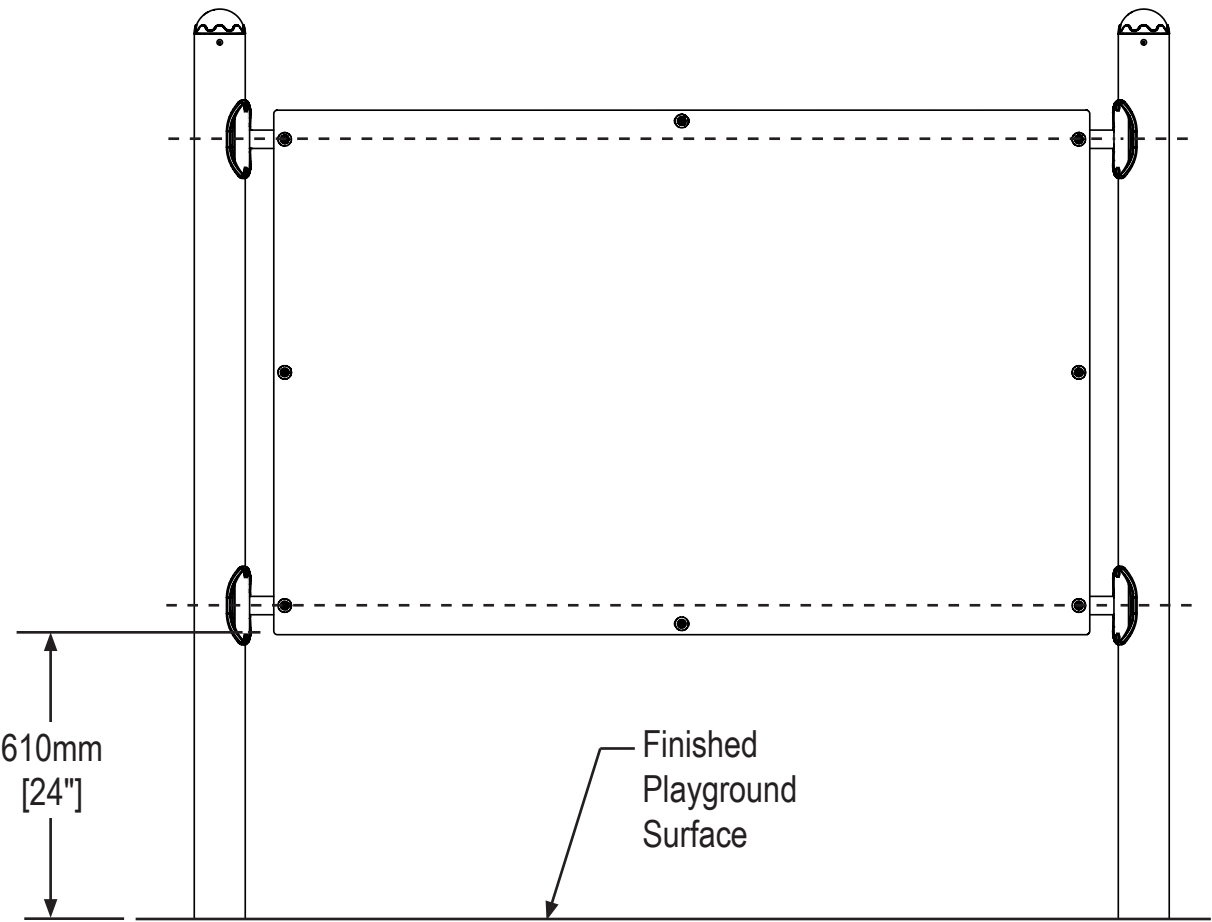


TOP VIEW - SURFACE MOUNT



TOP VIEW - INGROUND

Freestanding
Communication Board Signs

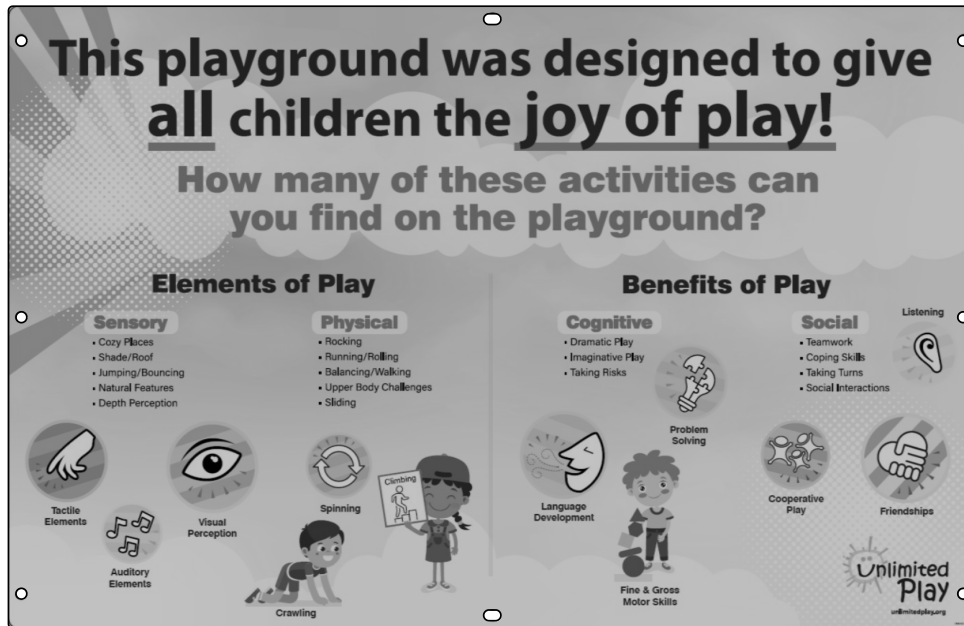


NOTE: 610mm [24"]
is recommended for
wheelchair clearance

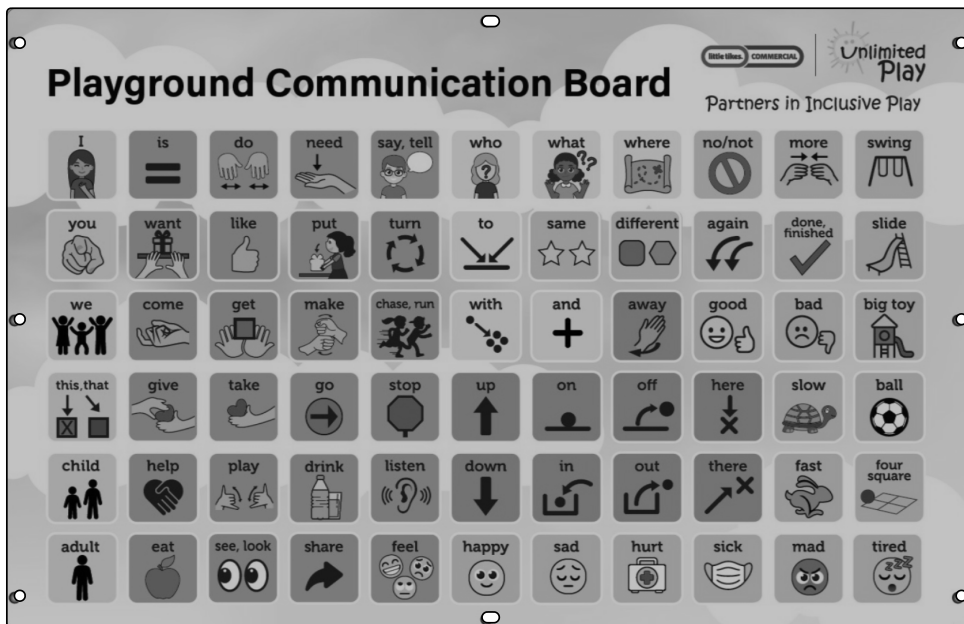
FRONT VIEW

Freestanding
Communication Board Signs

PARTS IDENTIFICATION



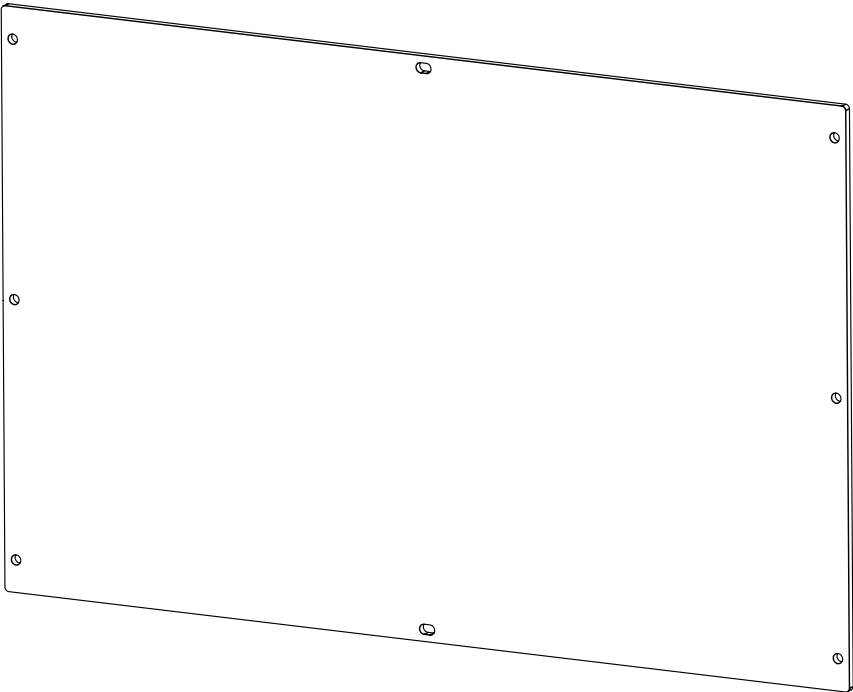
931886 LT UNLIMITED PLAY SIGN



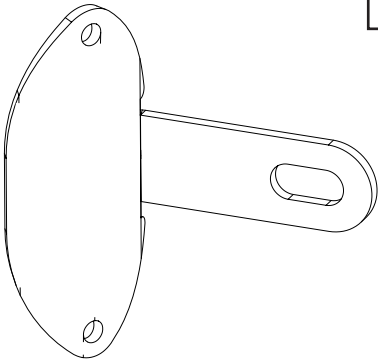
931870 LT UP COMMUNICATIONS BOARD

Freestanding
Communication Board Signs

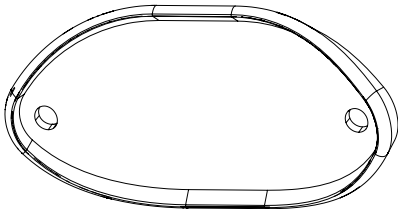
PARTS IDENTIFICATION



929986* LT COMMUNICATIONS BOARD



908368* TAB F/PB SGL.WD. SLIDE HOOD



200058373 GASKET F/PB PLATE (LARGE)

Freestanding

Communication Board Signs

STEP 1 DIG FOOTINGS

1a. Dig footings per Footing Layout and Construction Drawings for surface mount and inground footing criteria for installation. Refer to footing details in Installation Manual.

NOTE: Do not pour concrete for footings until components illustrated in this installation guide have been installed per instructions and braced in position, leveled and plumbed.

STEP 2 PLACE POSTS IN FOOTING LOCATIONS

2a. **For surface mount posts**, place the two posts with caps in the correct footing locations. See footing layout on page 3 for distance between post centerlines. Do not attach posts to concrete with anchor bolts yet.

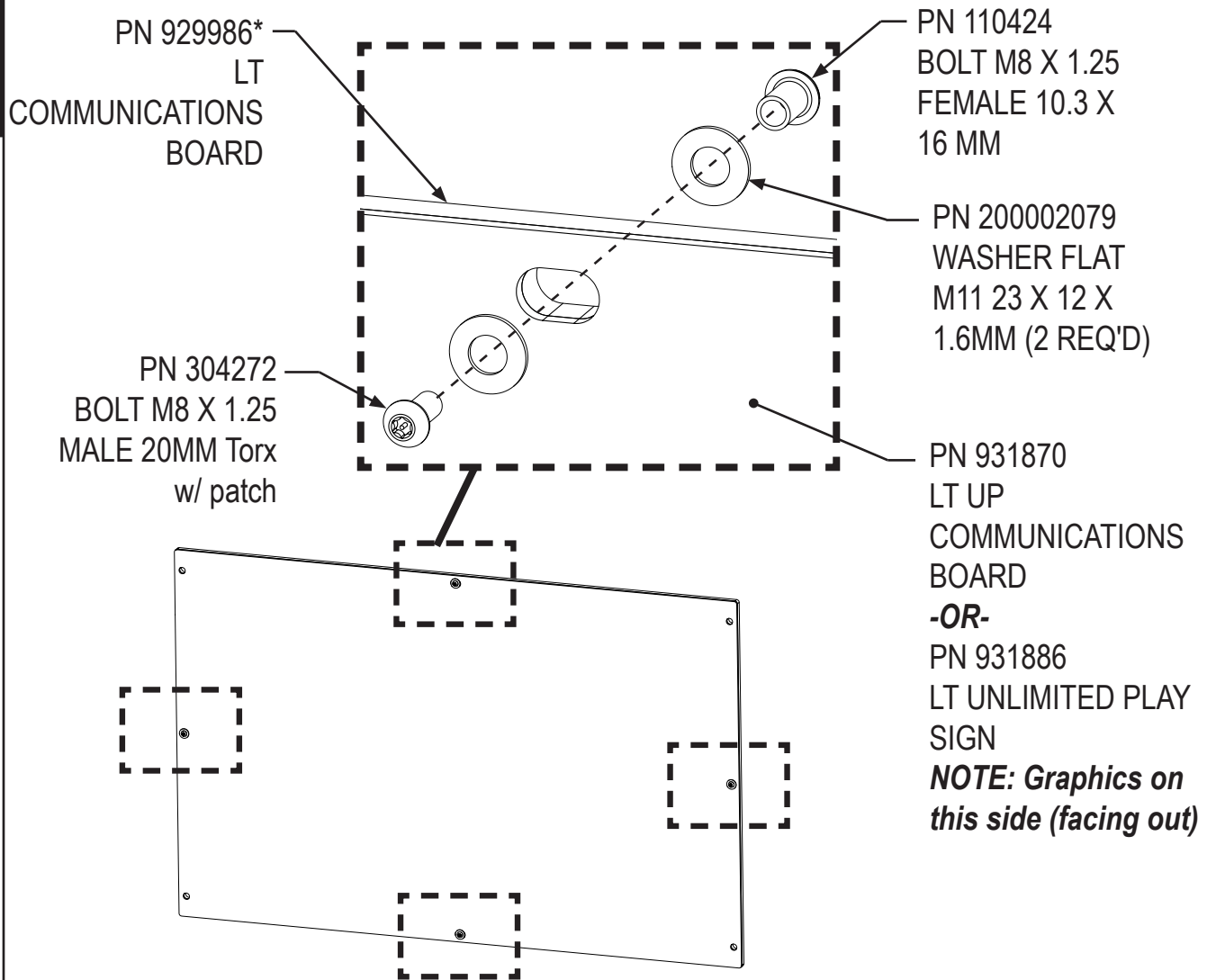
For inground posts, place the two posts with caps in the correct footing holes. See footing layout on page 3 for distance between post centerlines. Block up posts to correct height (see front view on page 4 for distance from bottom of sign to finished playground surface). Level and plumb posts and brace in position.

Freestanding

Communication Board Signs**STEP 3** ATTACH SIGN TO BOARD

3a. **For Model 200203886 (graphic sign panel on only one side of board)**, place communications board (PN 931870) on board (PN 929986*). Graphics on PN 931870 should be facing **out**. Loosely attach with hardware in the four places as shown below.

3b. **For Model 200203887 (graphic sign panel on only one side of board)**, place unlimited play sign (PN 931886) on board (PN 929986*). Graphics on PN 931886 should be facing **out**. Loosely attach with hardware in the four places as shown below.

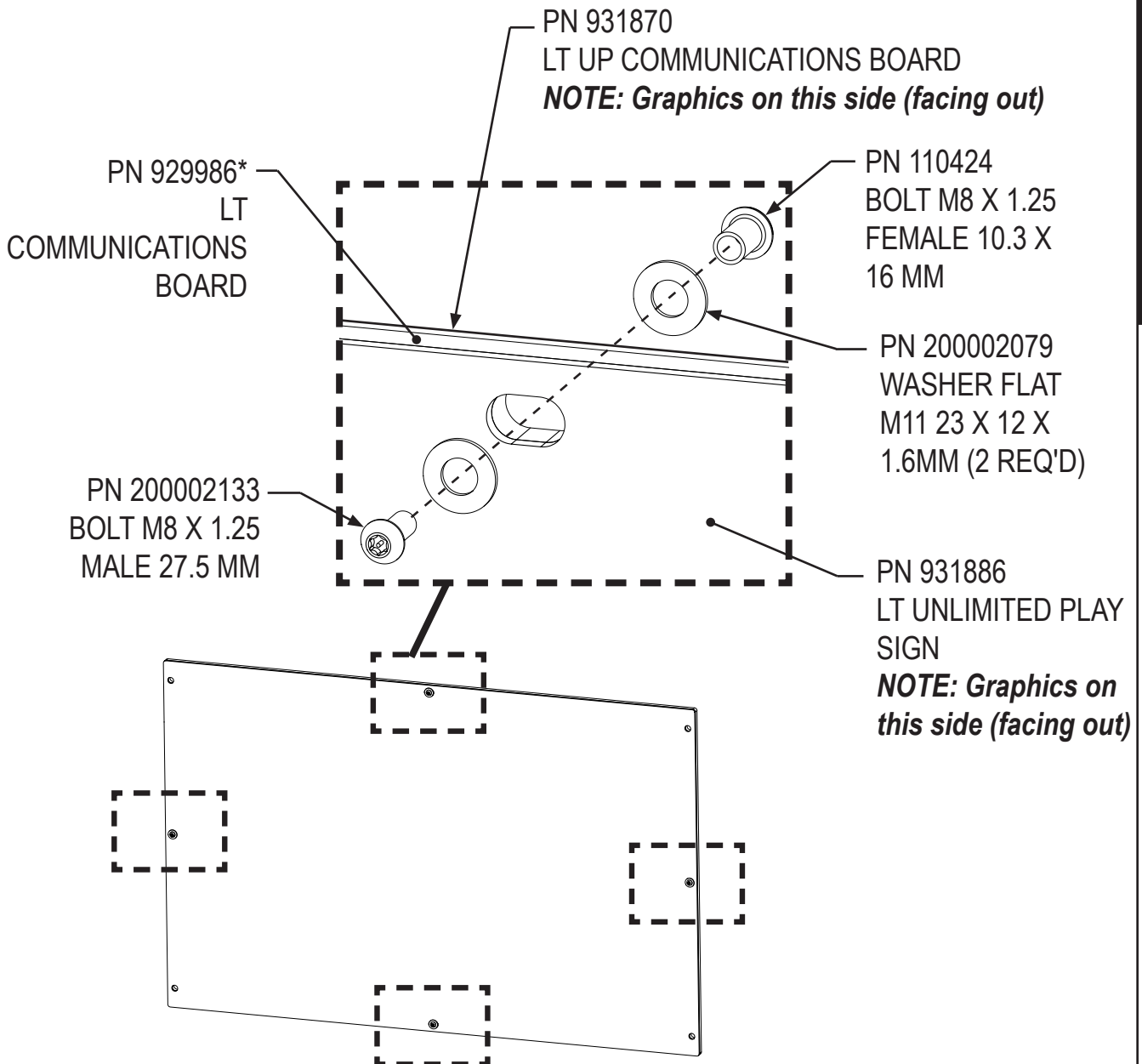


Freestanding

Communication Board Signs

STEP 3 ATTACH SIGN TO BOARD (continued)

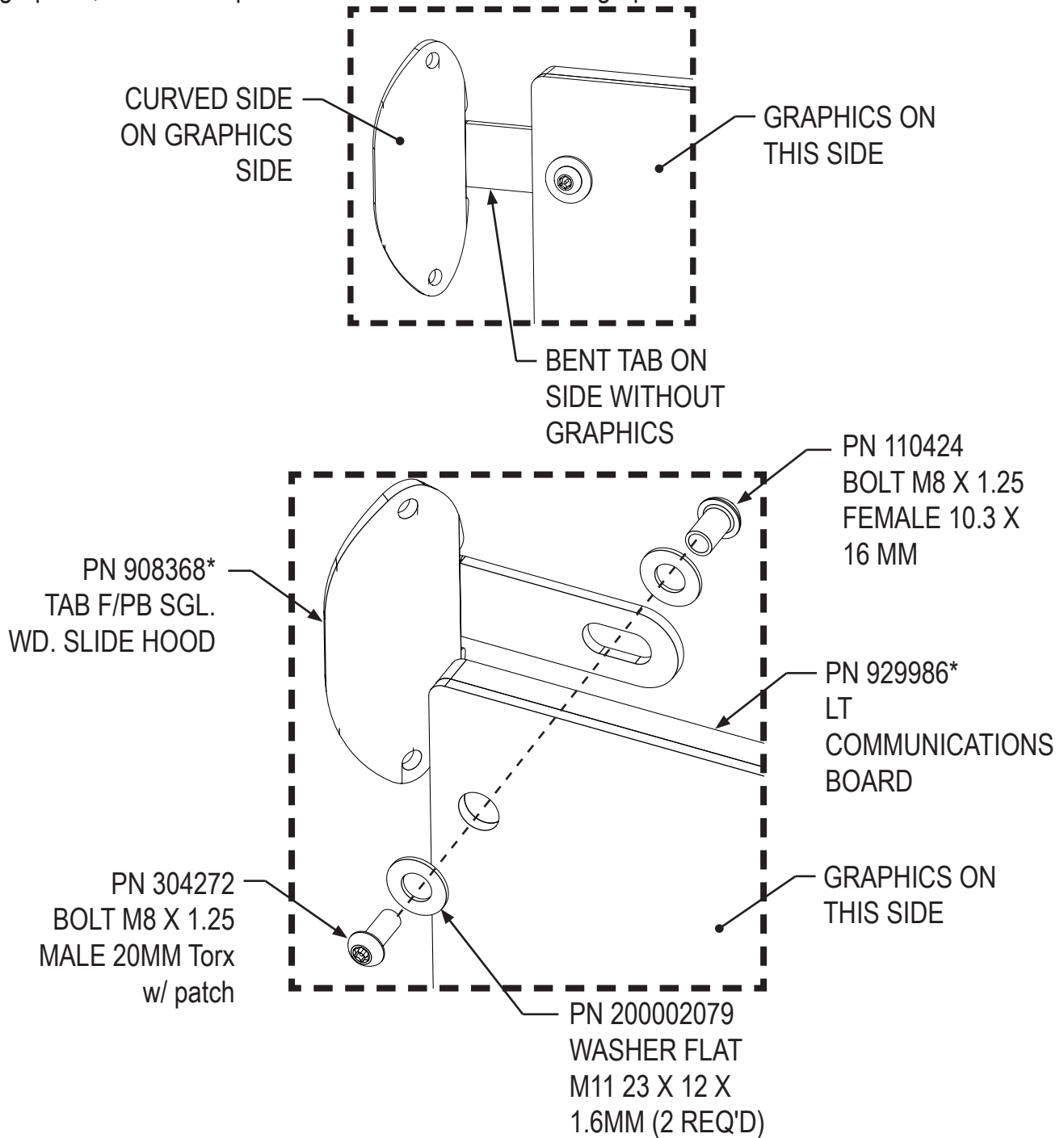
3c. **For Model 200203889 (graphic sign panels on both sides of board)**, place unlimited play sign (PN 931886) on one side of board (PN 929986*). Place communications board (PN 931870) on the other side of board (PN 929986*). Graphics on PN 931886 and 931870 should be facing **out**. Loosely attach with hardware in the four places shown below.



Freestanding

Communication Board Signs**STEP 4** ATTACH TABS TO SIGN ASSEMBLY

4a. *For Model 200203886 and Model 200203887 (graphic sign panel on only one side of board),* loosely attach the four tabs to the corner holes of the sign assembly with hardware as shown below. Note correct orientation of tabs - bent tab should be placed on side without graphics, and curved plate should be on same side as graphics.

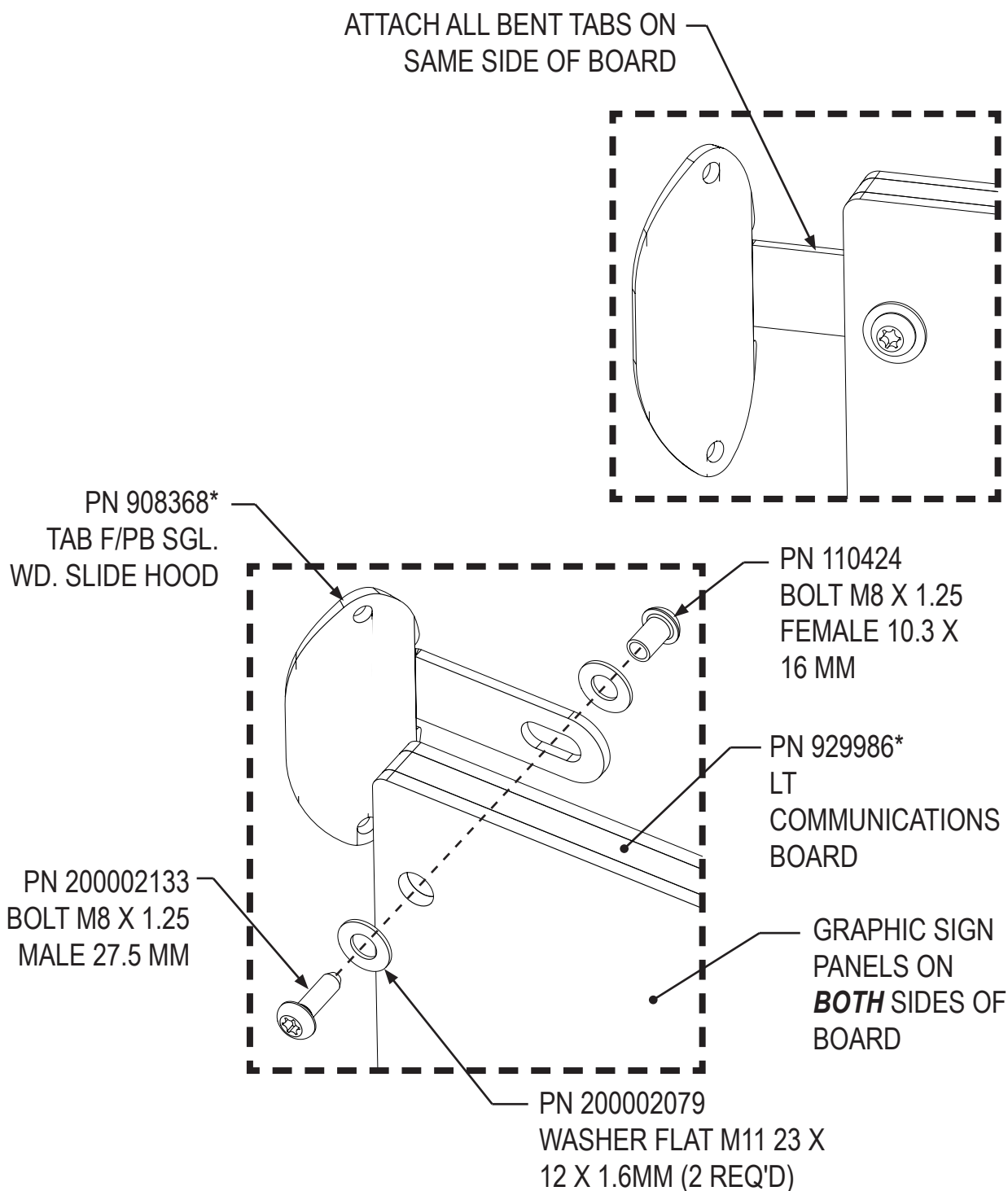


Freestanding

Communication Board Signs

STEP 4 ATTACH TABS TO SIGN ASSEMBLY (continued)

4b. **For Model 200203889 (graphic sign panels on both sides of board)**, loosely attach the four tabs to the corner holes of the sign assembly with hardware as shown below.

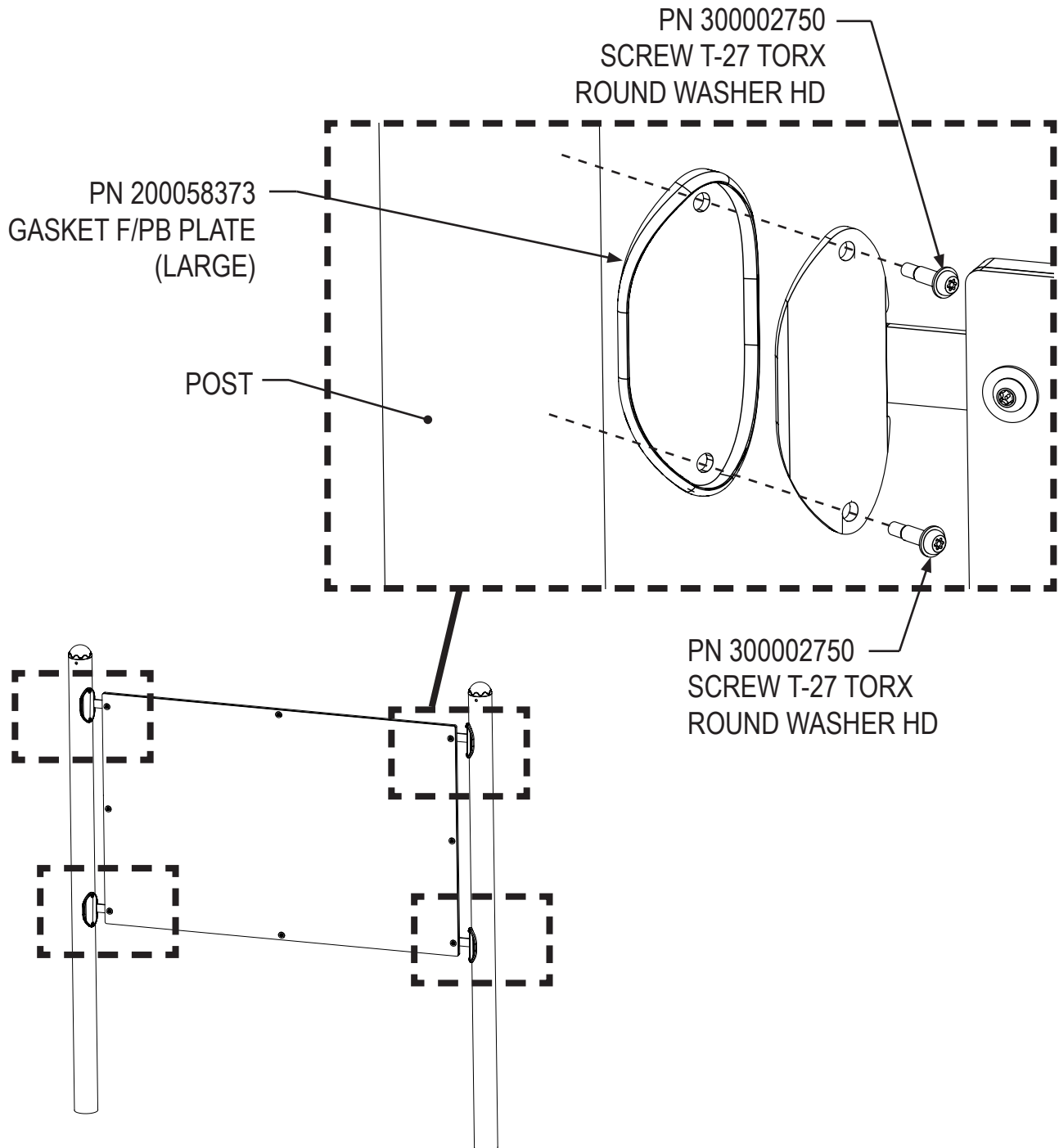


Freestanding

Communication Board Signs

STEP 5 ATTACH SIGN ASSEMBLY TO POSTS

5a. See front view on page 4 for correct distance from bottom of sign to finished playground surface. Block sign assembly up to correct height. Place gaskets on curved plates and attach to posts at correct height, with hardware as shown below.

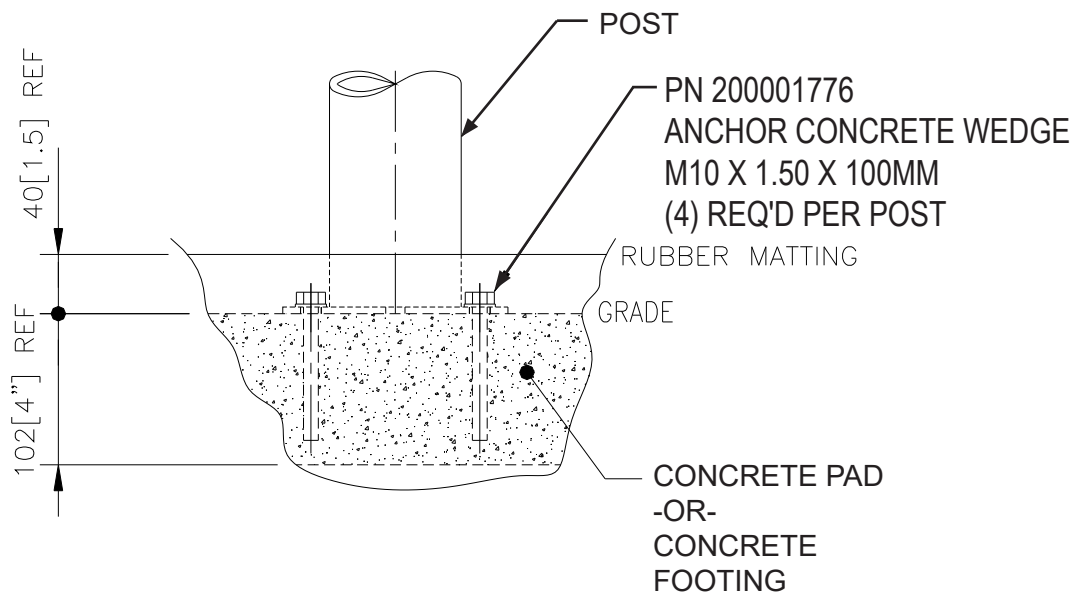


Freestanding

Communication Board Signs

STEP 6 COMPLETE FOOTINGS

6a. **FOR SURFACE MOUNT FOOTING:** Level and plumb assembly. Tighten all hardware. Attach post footing plate to concrete with anchor bolts in four places per post as shown below. Surface mount footing may be attached to either a concrete footing or a four inch thick concrete slab. Concrete may require up to three days to cure before anchor bolts can be installed.



A 3/8" MASONRY BIT IS REQUIRED FOR INSTALLING ANCHOR BOLTS.

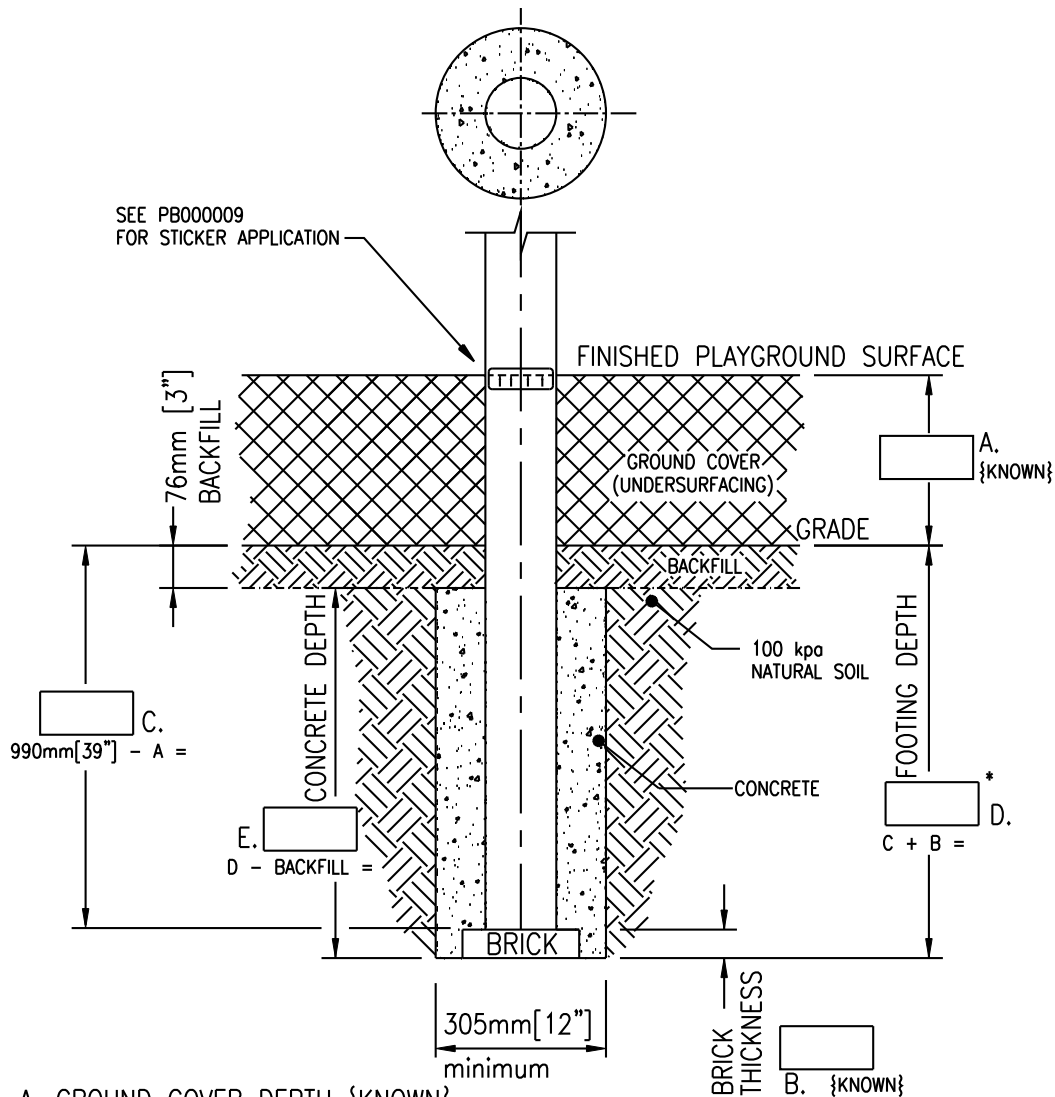
CONCRETE MAY REQUIRE UP TO THREE DAYS TO CURE.

Freestanding

Communication Board Signs**STEP 6** COMPLETE FOOTINGS (continued)

6b. **FOR INGROUND FOOTING:** Block up to correct height. See front view on page 4 for correct distance from bottom of sign to finished playground surface. Level, brace, and plumb posts. Tighten all hardware. See next page for concrete amount needed. Pour concrete, let cure, and backfill.

1. COMPLETE THE CALCULATION SHEET BELOW (FILL IN BLOCKS A THRU E).
2. FOOTING SIZE MAY VARY DUE TO LOCAL SOIL AND WEATHER CONDITIONS.
3. BASE OF FOOTING MUST BE BELOW FROST LINE.



- A. GROUND COVER DEPTH {KNOWN}.
- B. BRICK THICKNESS {KNOWN}.
- C. 990mm[39"] - A BECAUSE A + C SHOULD ALWAYS EQUAL 990mm[39"]
- D. FOOTING DEPTH = [C] + BRICK THICKNESS.
*MINIMUM 610mm[24"] + BRICK THICKNESS FOOTING DEPTH REQUIRED
- E. CONCRETE DEPTH = FOOTING DEPTH [D] - 76mm[3"] (BACKFILL).

Freestanding

Communication Board Signs

STEP 6 COMPLETE FOOTINGS (continued)

6c. **FOR INGROUND FOOTING:** See below for concrete amount needed.

HOW MUCH CONCRETE?

VOLUME OF CONCRETE REQUIRED FOR FOOTINGS:

$$= 0.067 \text{ M}^3 \times \left\{ \frac{\text{CONCRETE DEPTH (mm)}}{915} \right\} \times \text{No. OF FOOTING HOLES} = \text{M}^3$$

$$= 0.087 \text{ Yard}^3 \times \left\{ \frac{\text{CONCRETE DEPTH (IN)}}{36} \right\} \times \text{No. OF FOOTING HOLES} = \text{Yard}^3$$

NOTES: – TO CALCULATE CUBIC FEET, MULTIPLY CUBIC YARD BY 27
– 94 lbs OF CONCRETE = 1 CUBIC FOOT.

FINAL STEP

Proceed with **Final Assembly installation**. Tighten all hardware. Install resilient surfacing.

APPENDIX C
RUBBERIZED PLAY
SURFACING SPECIFICATIONS

SpectraPour Poured-in-Place Specification

**SpectraPour Safety Surfacing is BABAA Certified
(Build America Buy America Act)**

All materials used in this systems are Made in the USA

SpectraTurf
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Corona, CA 92879
Phone: (951) 736-3579
Fax: (951) 734-3630
E-mail: info@spectraturf.com
www.spectraturf.com

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: SpectraPour Poured-in-Place Playground Surfacing System.
- B. Related Sections: Sitework Sections: Materials and Methods, Excavation, Asphalt Paving, Concrete Paving, Sub-Drainage, Storm Drainage, Fencing, Playground Equipment and Structures.

1.02 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 - 1. ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension.
 - 2. ASTM D624 Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers.
 - 3. ASTM D2047 Standard Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as Measured by the James Machine.
 - 4. ASTM D2859 Standard Test Method for Flammability of Finished Textile Floor Covering Materials.
 - 5. ASTM E303 Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester.

6. ASTM F1292 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.

7. ASTM F1951 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.

1.03 SYSTEM DESCRIPTION

A. Performance Requirements: Provide a 2 layer rubber-urethane playground surfacing system which has been designed, manufactured and installed to meet the following criteria:

1. Shock Attenuation (ASTM F1292):

a. Gmax: Less than 200.

b. Head Injury Criteria: Less than 1000.

2. Flammability (ASTM D2859): Pass.

3. Tensile Strength (ASTM D412): 60 psi (413 kPa).

4. Tear Resistance (ASTM D624): 140%.

5. Water Permeability: 0.4 gal/yd²/second.

6. Accessibility: Comply with requirements of ASTM F1951.

1.04 SUBMITTALS

A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.

B. Product Data: Submit manufacturer's product data and installation instructions.

C. Verification Samples: Submit manufacturer's standard verification samples of 6" x 6" minimum.

D. Quality Assurance/Control Submittals: Submit the following:

1. Certificate of qualifications of the playground surfacing installer.

E. Closeout Submittals: Submit the following:

1. Warranty documents specified herein.

1.05 QUALITY ASSURANCE

A. Qualifications: Installer must be a direct employee of the manufacturer's installation division, having a minimum of 10 years' experience with other projects of the scope and scale of the work described in this section. Certified sub-contractor installation not acceptable.

B. International Play Equipment Manufacturers Association (IPEMA) certified.

C. Comply with ASTM F1292 and F1951 Standards.

1.06 DELIVERY, STORAGE & HANDLING

A. General: Comply with Division 1 Product Requirement Section.

B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at a minimum temperature of 40 degrees F (4 degrees C) and a maximum temperature of 90 degrees F (32 degrees C).

1.07 PROJECT/SITE CONDITIONS

A. Environmental Requirements: Install surfacing system when minimum ambient temperature is 40 degrees F and maximum ambient temperature is 105 degrees F. Exception to the temperature requirements can be made by the manufacturer of the surfacing system. Do not install in steady or heavy rain. Exceptions can be made for enclosed or tented areas.

1.08 WARRANTY

A. Project Warranty: Standard manufacturer warranty period is 5 years from date of completion of work.

B. Compaction and proper drainage are critical to the longevity of the SpectraPour Poured-in-Place surfacing system. Compaction and inadequate drainage will cause premature breakdown of the poured system in affected areas; and void the warranty. Acceptable subbase materials are concrete, asphalt, or class 2 aggregate.

PART 2 PRODUCTS

2.01 SPECTRAPOUR PLAYGROUND SURFACING SYSTEM

A. Manufacturer: SpectraTurf

1. Contact: 555 South Promenade Avenue, #103, Corona, CA 92879;
Telephone: (800) 875-5788; Fax: (951) 734-3630;
E-mail: info@spectraturf.com website: <http://www.spectraturf.com>.

B. Proprietary Products/Systems.

SpectraPour Poured-in-place playground surfacing system, including the following:

1. SpectraPour Poured-In-Place Primer:

a. Material: Urethane.

2. SpectraPour Poured-in-Place Basemat:

a. Material consists of US manufactured recycled SBR, pre-consumer or post-industrial non-tire polyurethane products, or reclaimed playground safety surfacing.

b. Basemat Thickness: 4" for a fall height rating of up to 10'-0"

3. SpectraPour Poured-In-Place Top Surface:

a. Material: Blend of US manufactured recycled EPDM (ethylene propylene diene monomer) rubber and aromatic **or** aliphatic urethane binder. Certificate of origin required.

b. Top Surface Thickness: minimum 1/2".

c. Color:

Standard Colors: Inferno Red; Shamrock Green; Cobalt Blue; **Sky Blue**; Sandstone Beige; Pewter Gray; Jet Black

Premium Colors: **Ash Gray**; Charcoal Gray; **Lime Green**; Ivy Green;
Agave Teal; **Aquamarine**; Sapphire Blue; **Cherry Red**; Scarlett Red;
Raspberry Pink; **Lilac Purple**; **Plum Purple**; **Canary Yellow**; Honey
Gold; **Citrus Orange**; Chestnut Brown; **Pampus Ivory**; **Eggshell**

Aliphatic urethane is recommended for the lighter or brighter colors notated in bold lettering.
Standard aromatic binder "yellows" slightly upon exposure to ultraviolet rays. Most of this thin layer
of urethane wears off with foot traffic and weathering typically within two to six months.
This characteristic applies industry-wide.

d. Dry Static Coefficient of Friction (ASTM D2047): 1.0.

e. Wet Static Coefficient of Friction (ASTM D2047): 0.9.

f. Dry Skid Resistance (ASTM E303): 89.

g. Wet Skid Resistance (ASTM E303): 57.

2.02 PRODUCT SUBSTITUTIONS

A. Substitutions: No substitutions permitted.

2.03 MIXES

A. Required mix proportions by weight:

1. Basemat: 14 - 16+% urethane (as ratio: 14% urethane divided by 86% rubber). 14% urethane, 86% rubber (based on entire rubber & urethane mix).

2. Top Surface: 20 - 22% urethane (ratio: 18% urethane divided by 82% rubber). 18% urethane, 82% rubber (based on entire rubber & urethane mix).

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

A. Comply with the instructions, details, and recommendations of the attenuating playground surfacing manufacturer.

3.02 EXAMINATION

A. Substrate preparation must be in accordance with surfacing manufacturer's specification. New asphalt must be fully cured – up to 30 days. New concrete varies 1-5 days weather dependent.

B. Compaction and proper drainage are critical to the longevity of the SpectraPour Poured-in-Place surfacing system. Compaction and inadequate drainage will cause premature breakdown of the poured system in affected areas; and void the warranty. Acceptable subbase materials are concrete, asphalt, or class 2 aggregate.

3.03 PREPARATION

A. Surface Preparation: Using a brush or short nap roller, apply primer to the substrate perimeter and any adjacent vertical barriers such as playground equipment posts, curbs, or anchor that will contact the surfacing system.

3.04 INSTALLATION

A. Do not proceed with playground surfacing installation until all applicable site work, including substrate preparation, fencing, playground equipment installation and other relevant work, has been completed.

B. Basemat Installation:

1. Using screeds and hand trowels, install the basemat at a consistent uniform thickness for required fall height.
2. Allow basemat to cure for sufficient time so that indentations are not left in the basemat from applicator foot traffic or equipment.
3. Do not allow foot traffic or use of the basemat surface until it is sufficiently cured.

C. Primer Application: Using a brush or short nap roller, apply primer to the substrate perimeter and any adjacent vertical barriers such as playground equipment posts, curbs, or anchor that will contact the surfacing system.

D. Top Surface Installation:

1. Using a hand trowel, install top surface at a consistent uniform minimum thickness of 1/2".
2. Allow top surface to cure for a minimum of 48 hours for aromatic resin / 72 hours for aliphatic resin.
3. At the end of the minimum curing period, verify that the top surface is sufficiently dry and firm to allow foot traffic and use without damage to the surface.
4. Do not allow foot traffic or use of the surface until it is sufficiently cured.

3.05 PROTECTION

A. Protection of the work is excluded. The installation crew will protect its work only while on site working. The Owner or Contractor is responsible for protection after the crew leaves each day and after the crew leaves the site at substantial completion of their work.