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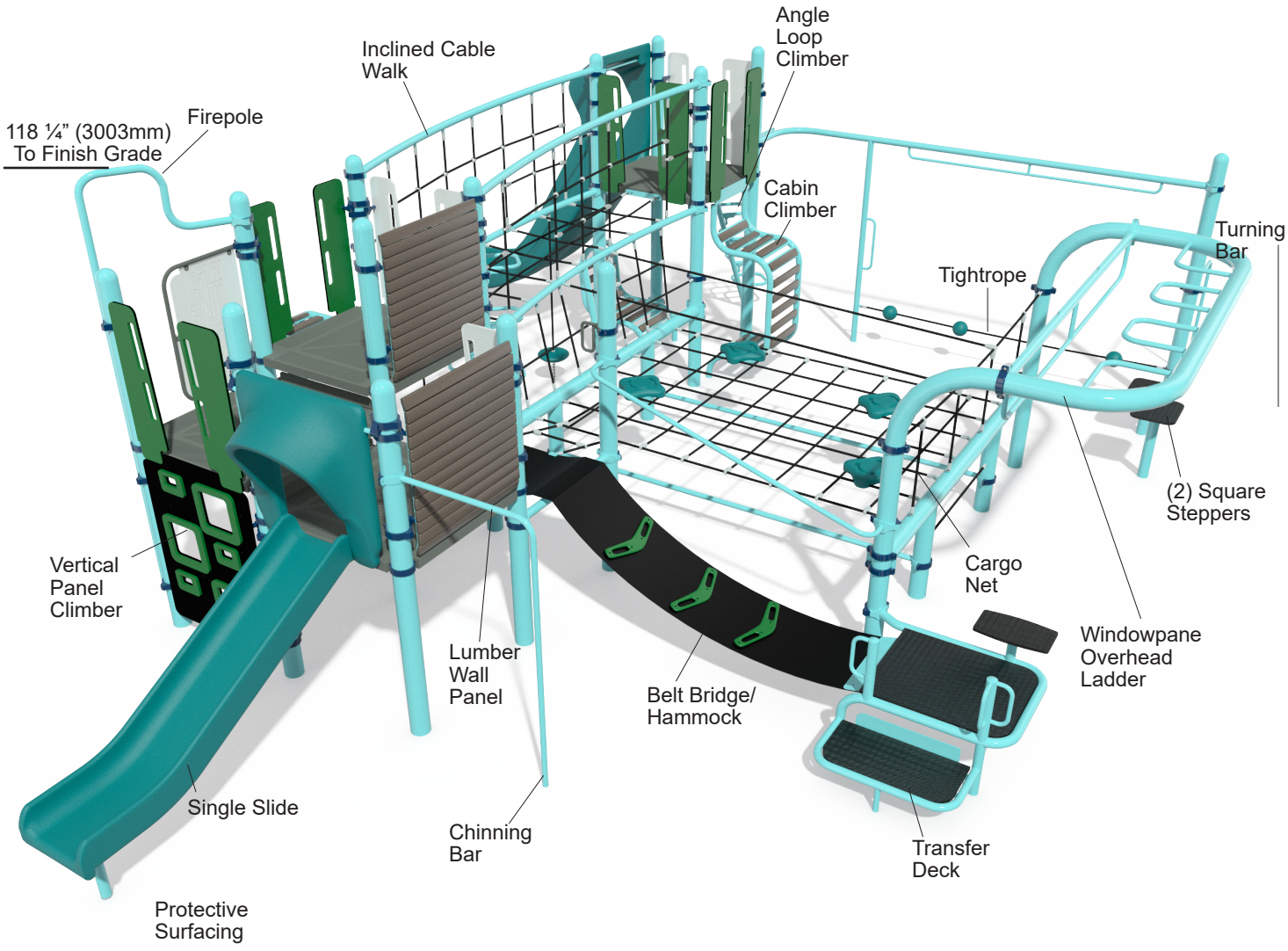
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ISO 9001 Certified

**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

## FRONT VIEW




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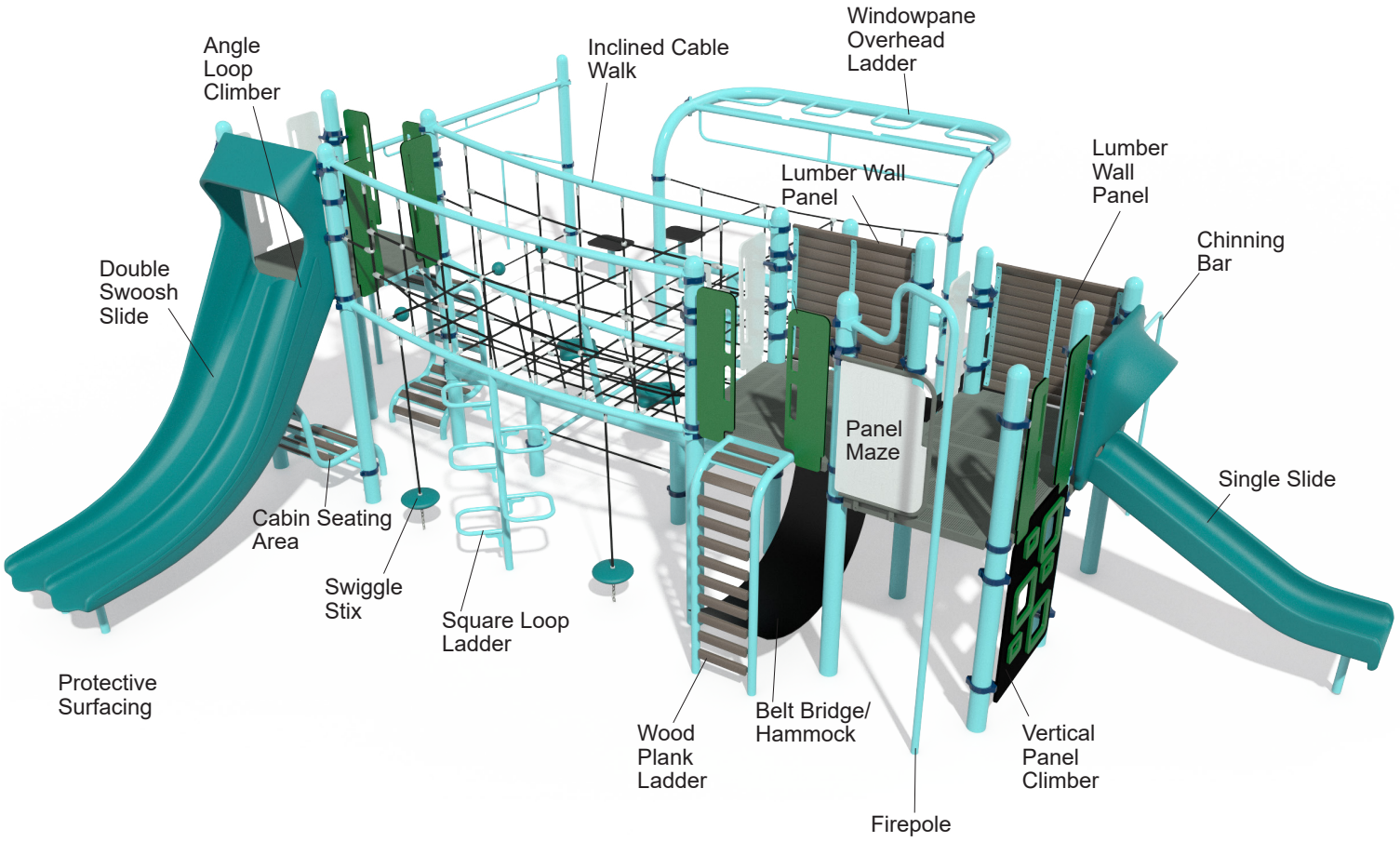
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

# BACK VIEW




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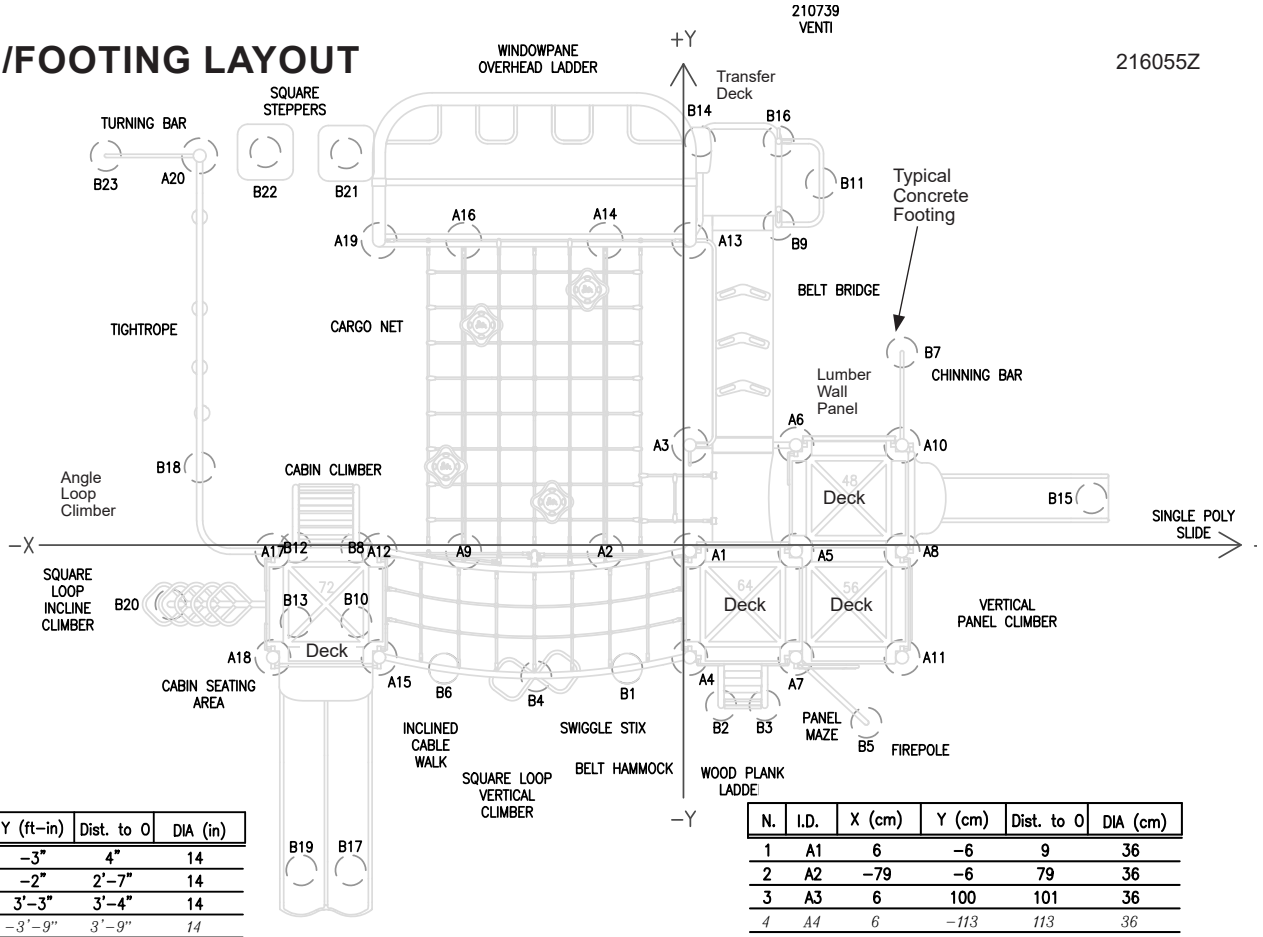
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# PLAN VIEW /FOOTING LAYOUT

216055Z




| N. | I.D. | X (ft–in) | Y (ft–in) | Dist. to O | DIA (in) |
|---|---|---|---|---|---|
| 1 | A1 | 2" | –3" | 4" | 14 |
| 2 | A2 | –2'–7" | –2" | 2'–7" | 14 |
| 3 | A3 | 3" | 3'–3" | 3'–4" | 14 |
| 4 | A4 | 2" | –3'–9" | 3'–9" | 14 |
| 5 | A5 | 3'–8" | –3" | 3'–9" | 14 |
| 6 | A6 | 3'–9" | 3'–3" | 5' | 14 |
| 7 | A7 | 3'–8" | –3'–9" | 5'–3" | 14 |
| 8 | A8 | 7'–2" | –3" | 7'–3" | 14 |
| 9 | A9 | –7'–3" | –2" | 7'–3" | 14 |
| 10 | A10 | 7'–3" | 3'–3" | 7'–11" | 14 |
| 11 | A11 | 7'–2" | –3'–9" | 8'–1" | 14 |
| 12 | A12 | –10'–1" | –2" | 10'–1" | 14 |
| 13 | A13 | 3" | 10' | 10'–1" | 14 |
| 14 | A14 | –2'–7" | 10'–1" | 10'–4" | 14 |
| 15 | A15 | –10' | –3'–8" | 10'–8" | 14 |
| 16 | A16 | –7'–3" | 10'–1" | 12'–5" | 14 |
| 17 | A17 | –13'–7" | –2" | 13'–7" | 14 |
| 18 | A18 | –13'–7" | –3'–8" | 14' | 14 |
| 19 | A19 | –10' | 10'–1" | 14'–2" | 14 |
| 20 | A20 | –15'–11" | 12'–10" | 20'–6" | 14 |
| 21 | B1 | –1'–10" | –4'–1" | 4'–6" | 12 |
| 22 | B2 | 1'–3" | –5'–4" | 5'–5" | 12 |
| 23 | B3 | 2'–8" | –5'–4" | 5'–11" | 12 |
| 24 | B4 | –4'–10" | –4'–4" | 6'–6" | 12 |
| 25 | B5 | 6' | –5'–10" | 8'–5" | 12 |
| 26 | B6 | –7'–11" | –4'–1" | 8'–11" | 12 |
| 27 | B7 | 7'–3" | 6'–4" | 9'–7" | 12 |
| 28 | B8 | –10'–10" | –1" | 10'–10" | 12 |
| 29 | B9 | 3'–2" | 10'–7" | 11' | 12 |
| 30 | B10 | –10'–10" | –2'–6" | 11'–1" | 12 |
| 31 | B11 | 4'–6" | 11'–11" | 12'–9" | 12 |
| 32 | B12 | –12'–10" | –1" | 12'–10" | 12 |
| 33 | B13 | –12'–10" | –2'–6" | 13'–1" | 12 |
| 34 | B14 | 7" | 13'–4" | 13'–4" | 12 |
| 35 | B15 | 13'–6" | 1'–6" | 13'–7" | 12 |
| 36 | B16 | 3'–2" | 13'–4" | 13'–8" | 12 |
| 37 | B17 | –11' | –10'–9" | 15'–4" | 12 |
| 38 | B18 | –15'–11" | 2'–7" | 16'–2" | 12 |
| 39 | B19 | –12'–7" | –10'–9" | 16'–7" | 12 |
| 40 | B20 | –16'–11" | –1'–11" | 17' | 12 |
| 41 | B21 | –11'–1" | 12'–11" | 17'–1" | 12 |
| 42 | B22 | –13'–9" | 13' | 18'–11" | 12 |
| 43 | B23 | –19'–1" | 12'–10" | 23' | 12 |

| N. | I.D. | X (cm) | Y (cm) | Dist. to O | DIA (cm) |
|---|---|---|---|---|---|
| 1 | A1 | 6 | –6 | 9 | 36 |
| 2 | A2 | –79 | –6 | 79 | 36 |
| 3 | A3 | 6 | 100 | 101 | 36 |
| 4 | A4 | 6 | –113 | 113 | 36 |
| 5 | A5 | 113 | –6 | 113 | 36 |
| 6 | A6 | 113 | 100 | 151 | 36 |
| 7 | A7 | 113 | –113 | 160 | 36 |
| 8 | A8 | 220 | –6 | 220 | 36 |
| 9 | A9 | –221 | –6 | 221 | 36 |
| 10 | A10 | 220 | 100 | 242 | 36 |
| 11 | A11 | 220 | –113 | 247 | 36 |
| 12 | A12 | –306 | –6 | 306 | 36 |
| 13 | A13 | 6 | 306 | 306 | 36 |
| 14 | A14 | –79 | 306 | 316 | 36 |
| 15 | A15 | –306 | –113 | 326 | 36 |
| 16 | A16 | –221 | 306 | 377 | 36 |
| 17 | A17 | –413 | –6 | 413 | 36 |
| 18 | A18 | –413 | –113 | 428 | 36 |
| 19 | A19 | –306 | 306 | 433 | 36 |
| 20 | A20 | –486 | 391 | 624 | 36 |
| 21 | B1 | –57 | –124 | 136 | 30 |
| 22 | B2 | 38 | –161 | 166 | 30 |
| 23 | B3 | 82 | –161 | 181 | 30 |
| 24 | B4 | –148 | –132 | 198 | 30 |
| 25 | B5 | 184 | –179 | 256 | 30 |
| 26 | B6 | –241 | –124 | 271 | 30 |
| 27 | B7 | 220 | 194 | 293 | 30 |
| 28 | B8 | –329 | –3 | 329 | 30 |
| 29 | B9 | 96 | 322 | 336 | 30 |
| 30 | B10 | –329 | –77 | 338 | 30 |
| 31 | B11 | 138 | 364 | 389 | 30 |
| 32 | B12 | –390 | –3 | 390 | 30 |
| 33 | B13 | –390 | –77 | 398 | 30 |
| 34 | B14 | 16 | 406 | 406 | 30 |
| 35 | B15 | 410 | 47 | 413 | 30 |
| 36 | B16 | 96 | 406 | 417 | 30 |
| 37 | B17 | –335 | –327 | 468 | 30 |
| 38 | B18 | –486 | 78 | 493 | 30 |
| 39 | B19 | –384 | –327 | 505 | 30 |
| 40 | B20 | –516 | –60 | 519 | 30 |
| 41 | B21 | –339 | 394 | 520 | 30 |
| 42 | B22 | –420 | 395 | 577 | 30 |
| 43 | B23 | –581 | 391 | 700 | 30 |

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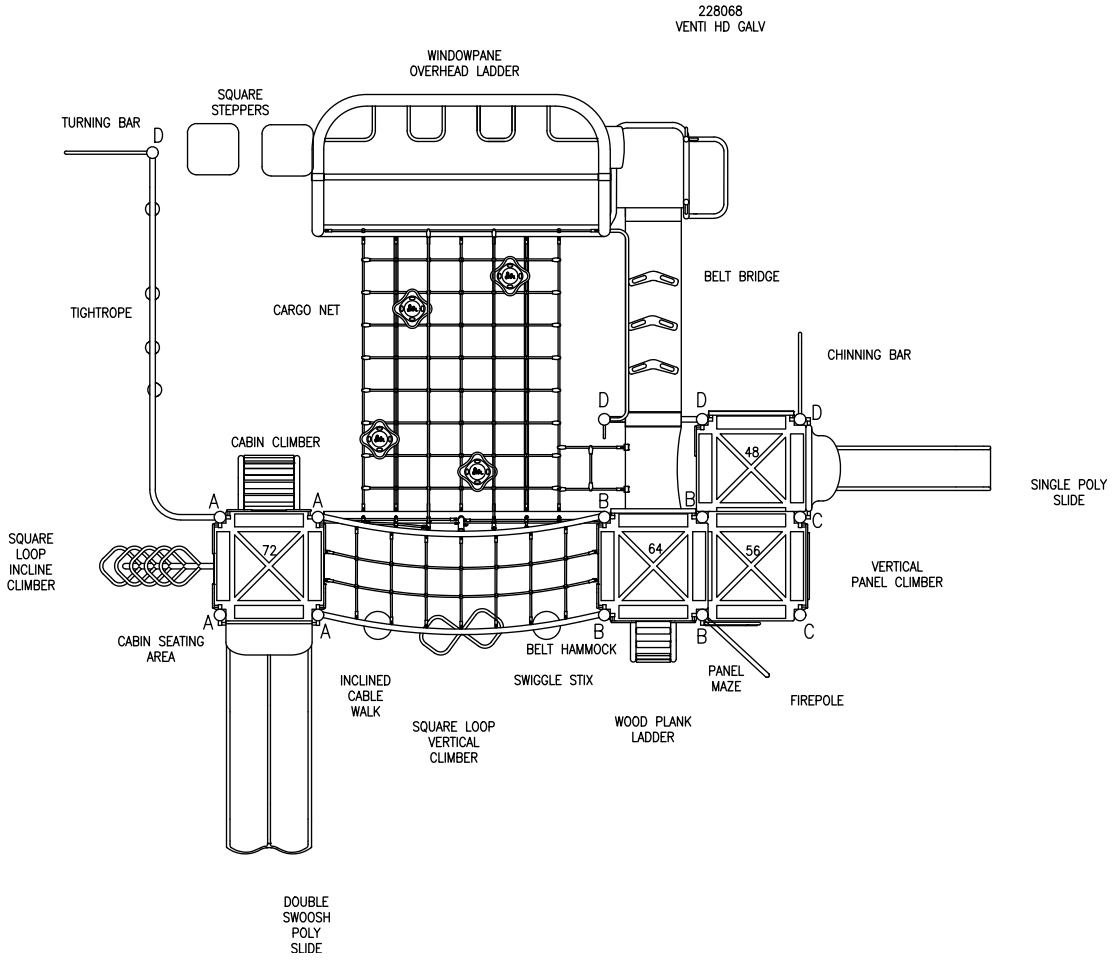
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

# POST LOCATIONS

| QTY. | POST/ARCH | LENGTHS |
|---|---|---|
| 1 | A | 148" DB/116" 2"SM |
| | B | 140" DB/108" 2"SM |
| | C | 132" DB/100" 2"SM |
| | D | 124" DB/92" 2"SM |




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## Parts List

## Posts & Decks

| Part# | Description | Qty. |
|---|---|---|
| 107700 | Post w/Cap PB 124" Aluminum, DB, Specify Color | 4 |
| 107703 | Post w/Cap PB 132" Aluminum, DB, Specify Color | 2 |
| 107709 | Post w/Cap PB 140" Aluminum, DB, Specify Color | 4 |
| 107714 | Post w/Cap PB 148" Aluminum, DB, Specify Color | 4 |
| 107525 | Post w/Cap PB 124" Steel, DB, Specify Color | 4 |
| 107527 | Post w/Cap PB 132" Steel, DB, Specify Color | 2 |
| 107531 | Post w/Cap PB 140" Steel, DB, Specify Color | 4 |
| 107537 | Post w/Cap PB 148" Steel, DB, Specify Color | 4 |
| 107626 | Post w/Cap PB 92" Aluminum, SM, Specify Color | 4 |
| 107630 | Post w/Cap PB 100" Aluminum, SM, Specify Color | 2 |
| 107635 | Post w/Cap PB 108" Aluminum, SM, Specify Color | 4 |
| 107640 | Post w/Cap PB 116" Aluminum, SM, Specify Color | 4 |
| 107472 | Post w/Cap PB 92" Steel, SM, Specify Color | 4 |
| 107474 | Post w/Cap PB 100" Steel, SM, Specify Color | 2 |
| 107477 | Post w/Cap PB 108" Steel, SM, Specify Color | 4 |
| 107481 | Post w/Cap PB 116" Steel, SM, Specify Color | 4 |
| 145656 | Tenderdeck, Gray | 4 |
| 105327 | 5" Half Clamp, Specify Color | 16 |
| 106022 | 5" Deck Hanger Clamp, Specify Color | 16 |
| **119491** | **Square Deck Hardware Package** | 4 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 32 |
| 100321 | 3/8" Hex Patch Nut, SST | 16 |
| 100351 | 3/8" Tee Nut, SST | 32 |
| 100362 | 3/8" Flat Washer, SST | 16 |
| 100610 | 1/4" x 5/8" Drive Rivet, SST | 16 |
| **121348** | **4-Hole Surface Mount Hardware Package** | 14 |
| 100322 | 1/2" Standard Hex Nuts, SST. | 56 |
| 100363 | 1/2" Flat Washers, SST. | 56 |
| 100266 | 1/2" x 2 3/4" Expansion Anchors | 56 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**Posts:** See PlayBooster® (PB) General Specifications.

**Square Deck:** Flange formed from 12 GA (.105") (2,66 mm) sheet steel conforming to ASTM A1011. Standing surface is perforated with 5/16"(7,92 mm) diameter holes. Deck face has (4) slotted holes for face mounting components. The finished size measures 2 5/8" (66,67 mm) x 47" (1193 mm) x 47" (1193 mm). Finish: TenderTuff™, gray in color.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** Approx. 70 man hours for entire structure (DB)
Approx. 60 man hours for entire structure (SM)
**Fall Height:** 87" (2,20 m)
**Area Required:** 45'-2" x 39'-2" (13,76 m x 11,93 m) minimum
**Concrete:** Approx. 3 1/2 cu. yards for entire structure (DB)
**Weight:** 3,770 lbs. Aluminum (DB)
3,529 lbs. Aluminum (SM)
4,435 lbs. Steel (DB)
4,082 lbs. Steel (SM)

## Installation Instructions

1) **(Direct Bury)** Dig footings spaced as shown. Refer to the Plan View/ Footing Layout.
2) Mark posts for the appropriate height of the deck you are installing.
3) Lift deck into position, lining up studs underneath deck with deck hanger clamp as shown. Attach with 3/8" flat washers and 3/8" hex patch nuts.
4) Level decks and plumb posts.
5) Attach components.
6) **(Direct Bury)** With structure square, plumb and level, pour concrete footings. Allow concrete to cure a minimum of 72 hours before users are allowed to play on the structure.

   **Surface Mount (3/8" x 2 3/4" Expansion Anchors)**- Drill 3/8" x 3" deep holes through post and footer plates into concrete slab using 3/8" masonry bit and hammer drill. Tap 3/8" x 2 3/4" expansion anchors into drilled holes and fasten with 3/8" standard hex nuts and 3/8" SAE flat washers.

   **Surface Mount (1/2" x 2 3/4" Expansion Anchors)**- Drill 1/2" x 3" deep holes through post and footer plates into concrete slab using 3/8" masonry bit and hammer drill. Tap 1/2" x 2 3/4" expansion anchors into drilled holes and fasten with 1/2" standard hex nuts and 1/2" SAE flat washers.
7) Install the drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet.
8) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

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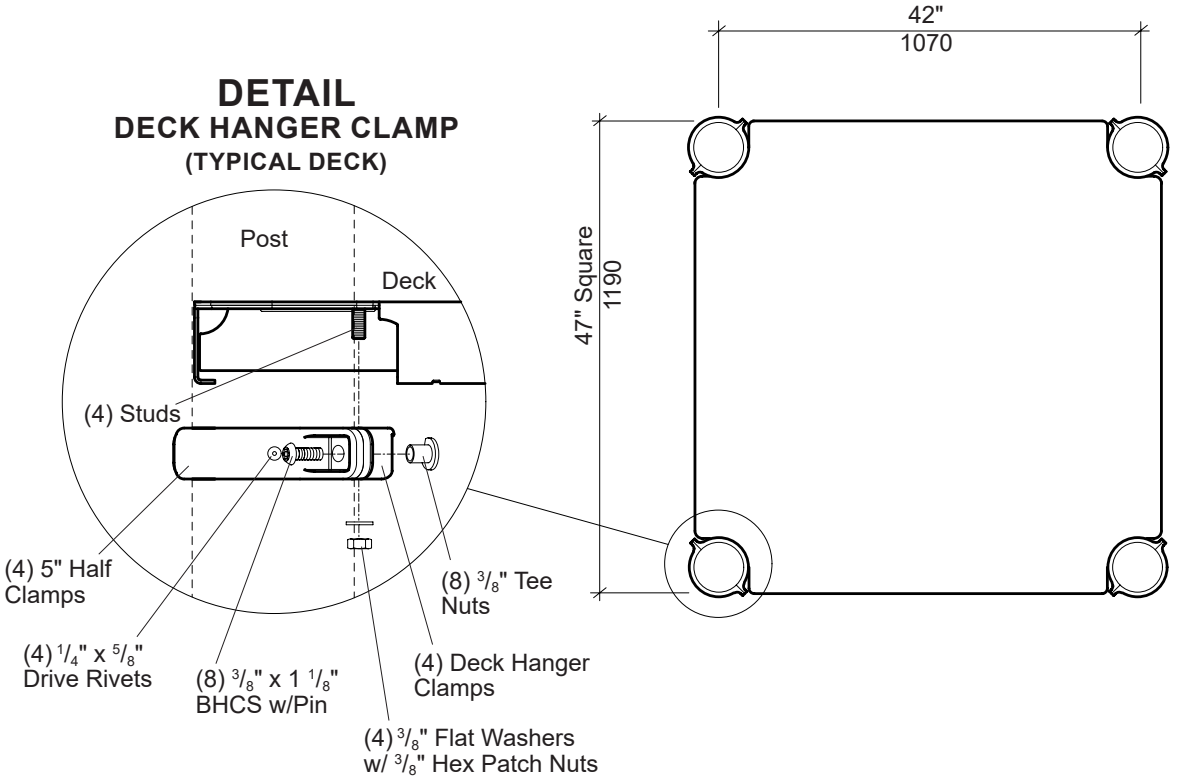
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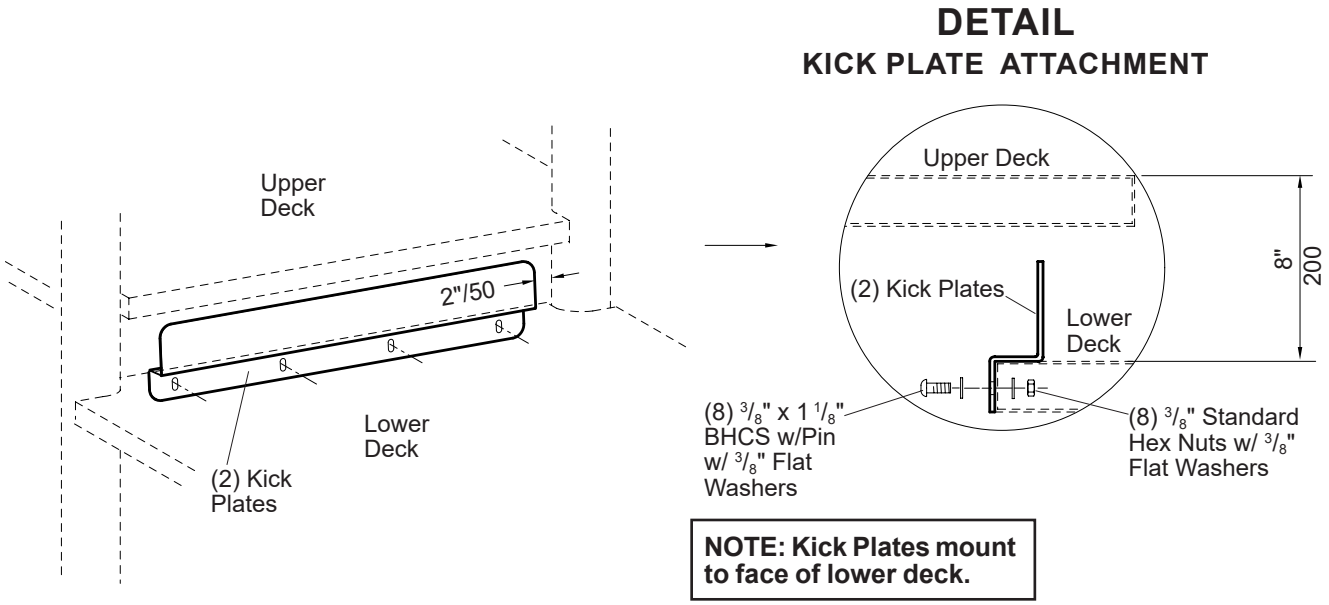
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

216055S

## SQUARE DECK




## KICK PLATE




**NOTE: Kick Plates mount to face of lower deck.**

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# Kick Plate 8" Rise

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 121819 | Kick Plate (8" Rise), Gray | 2 |
| **156058** | **Kick Plate Tenderdeck Hardware Package** | 2 |
| 100198 | $^3/_8$" x 1 $^1/_8$" BHCS w/Pin, SST | 8 |
| 100327 | $^3/_8$" Standard Hex Nut, SST | 8 |
| 100362 | $^3/_8$" Flat Washer, SST | 16 |

## Specifications

**Kick Plate:** Fabricated from 11 GA (.120") (3,05 mm) HR flat steel. Finish: TenderTuff™, gray in color.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Locate kick plates as labeled on your plan drawing.

2) Attach kick plates, as shown. **NOTE:** *Kick plates mount to face of lower deck.*

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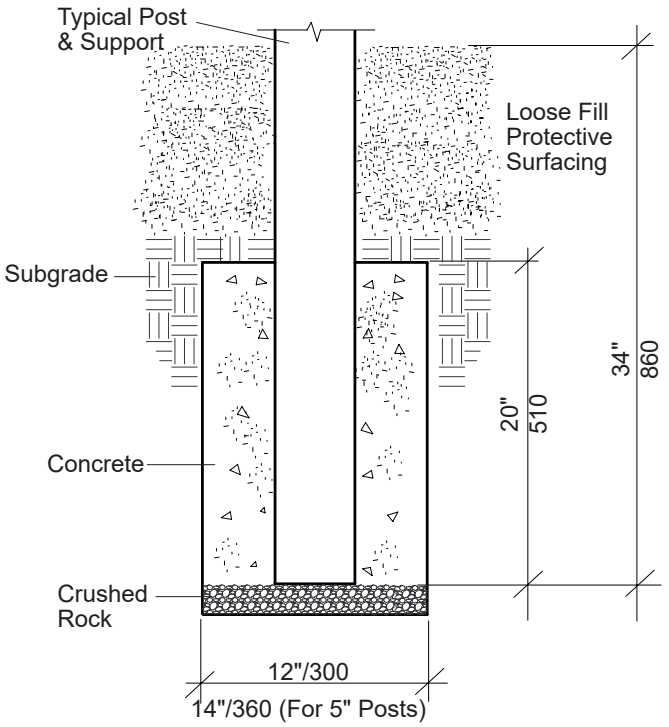
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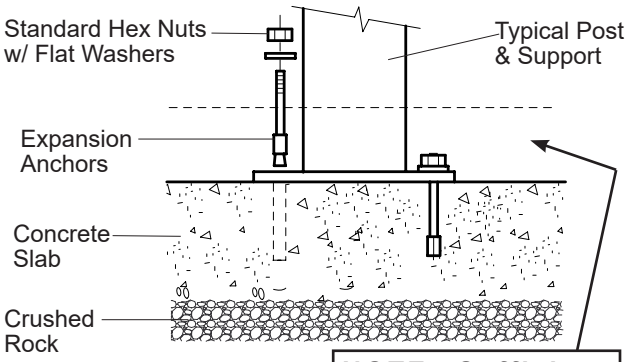
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

216055U

## DETAIL
### DIRECT BURY




## DETAIL
### SURFACE MOUNT




**NOTE: Sufficient protective surfacing must cover hardware to satisfy fall height requirements.**

### SURFACE MOUNT EXPANSION ANCHORS

| | |
|---|---|
| 100322 | 1/2" Standard Hex Nuts, SST |
| 100363 | 1/2" Flat Washers, SST. |
| 100266 | 1/2" x 2 3/4" Expansion Anchors |

5" Diameter Posts
Windowpane Overhead Ladder
Cargo Net
Firepole
Square Steppers
Chinning Bar
Turning Bar
Angled Loop Climber
Single Poly Slide
Double Swoosh Slide

| | |
|---|---|
| 100327 | 3/8" Standard Hex Nut, SST. |
| 100362 | 3/8" Flat Washers, SST. |
| 100263 | 3/8" x 2 3/4" Expansion Anchors |

Transfer Deck
Wood Plank Ladder
Square Loop Ladder
Cabin Climber
Cabin Seating Area
Tight Rope




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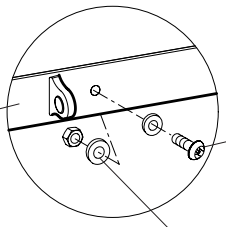
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**SAFETY NOTE**

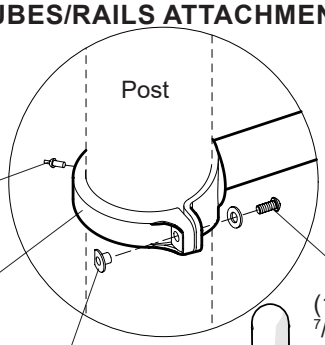
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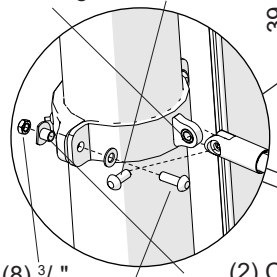
## DETAIL
### CABLE CONNECTOR BRACKET




## DETAIL
### TUBES/RAILS ATTACHMENT




## DETAIL
### NET CLAMP DETAIL





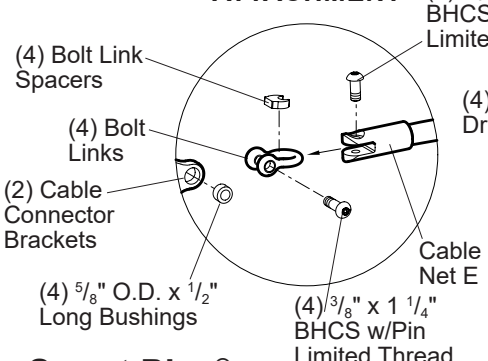


## DETAIL
### HANDHOLD PANEL TO DECK ATTACHMENT

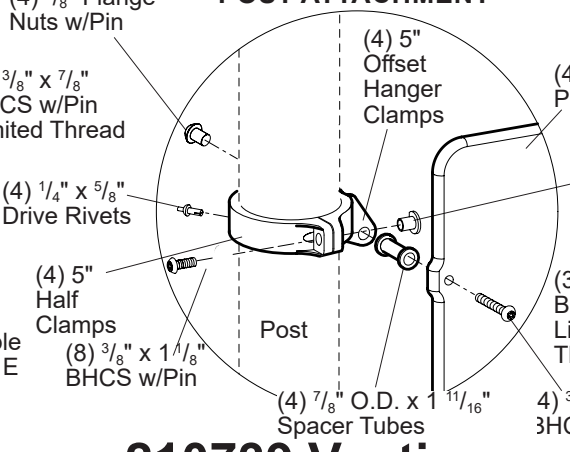



**NOTE: Attach lower tubes tight against deck hanger clamps. Adjust upper rails as needed to ensure vertical cables are taut.**

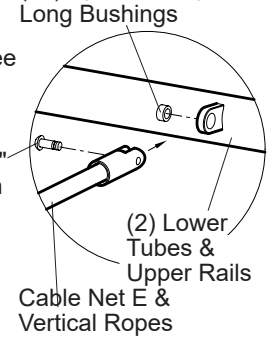
## DETAIL
### CABLE NET E ATTACHMENT




## DETAIL
### HANDHOLD PANEL TO POST ATTACHMENT




## DETAIL
### CABLE NET E TO TUBE/RAIL ATTACHMENT




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# Smart Play® 210739 Venti

## Parts List

## Incline Cable Walk

| Part# | Description | Qty. |
|---|---|---|
| 212560 | Bridge Lower Tube A, Specify Color | 1 |
| 212401 | Bridge Lower Tube B, Specify Color | 1 |
| 212400 | Bridge Upper Rail B, Specify Color | 1 |
| 212404 | Bridge Upper Rail A, Specify Color | 1 |
| 213333 | Deck/Cable Connector Bracket, Specify Color | 2 |
| 212574 | Cable Net E, Black | 1 |
| 212667 | Opaque Handhold, LH, Natural | 1 |
| 212666 | Opaque Handhold, RH, Natural | 1 |
| 212630 | Colored Handhold, RH, Specify Color | 1 |
| 212309 | Colored Handhold, LH, Specify Color | 1 |
| 105327 | 5" Half Clamp, Specify Color | 16 |
| 113729 | 5" Offset Hanger Clamp, Specify Color | 4 |
| 113468 | 7/8" O.D. x 1 11/16" Aluminum Tube, Specify Color | 4 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 16 |
| 237687 | Venti Inclined Bridge Net, Black | 1 |
| 237688 | Venti Inclined Bridge Net, Black | 1 |
| 161898 | Proprietary Net Clamp, Specify Color | 4 |
| **311900** | **Inclined Cable Walk Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 24 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 20 |
| 124460 | 3/8" x 3 3/4" BHCS w/Pin, SST | 4 |
| 100351 | 3/8" Tee Nut, SST | 32 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 12 |
| 100365 | 3/8" SAE Flat Washer, SST | 28 |
| 100362 | 3/8" Flat Washer, SST | 12 |
| 100327 | 3/8" Standard Hex Nut, SST | 4 |
| 100290 | 3/8" x 7/8" BHCS w/Pin Limited Thread, SST | 46 |
| 100292 | 3/8" x 1 1/4" BHCS w/Pin Limited Thread, SST | 4 |
| 127179 | 5/8" O.D. x 3/8" Long Bushing, SST | 42 |
| 196319 | Bolt Link Spacer, Aluminum | 4 |
| 138915 | Bolt Link, SST | 4 |
| 156962 | 5/8" O.D. x 1/2" Long Bushing, SST | 4 |
| 128296 | 3/8" Hex Jam Nut, SST | 8 |

## Specifications

**Lower Tubes:** Weldment comprised of 2.375" (60,32 mm) O.D. x .130" - .140" (3,30 mm-3,55 mm) wall RS40 galvanized steel tube, 1/4" (6,35 mm) thick HRPO steel plate and 3/8" (9,52 mm) thick stainless steel plate. Finish: ProShield, color specified.

**Upper & Lower Rails:** Weldment comprised of 2.375" (60,32 mm) O.D. x .130" - .140" (3,30 mm-3,55 mm) wall RS40 galvanized steel tube, 1/4" (6,35 mm) thick HRPO steel plate and 3/8" (9,52 mm) thick stainless steel plate. Finish: ProShield, color specified.

**Connecting Bracket:** Weldment comprised of 3/8" (9,52 mm) thick HRPO steel plate and 3/8" (9,52 mm) thick stainless steel plate. Finish: ProShield, color specified.

**Cable Assembly:** **(Cable)** Made of tightly woven polyester-wrapped, six-stranded galvanized-steel cable with a polypropylene core, black in color. **(Cable Connectors)** 6063-T6 aluminum.

**Opaque Handhold:** Permalene® panel, Natural in color.

**Handhold:** Recycled Permalene® panel, specify color.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach lower tubes tight against bottom of deck hanger clamps. Refer to the Tubes/Tails Attachment Detail.
2) Attach upper rails at height shown. Refer to the Tubes/Tails Attachment Detail.
3) Attach cable connector brackets to decks. Refer to the Cable Connector Bracket Detail.
4) Attach Cable Net E to lower tubes and cable connector brackets. Refer to the Cable Net E and Cable Net E to Tube/Rail Attachment Details.
5) Attach Venti Inclined Bridge Nets to lower tubes and upper rails. **NOTE:** *Adjust upper rails as needed to ensure vertical cables are taut.*
6) Attach handhold panels to deck. Refer to the Handhold Panel to Deck Attachment Detail.
7) Attach handhold panels to posts. Refer to the Handhold Panel to Post Attachment Detail. **NOTE:** *Attach offset hanger clamp assemblies for opaque handhold panels upside down to avoid clamp conflicts.*

Specifications are subject to change without notice.

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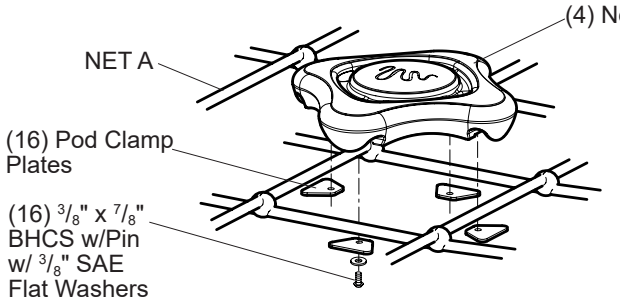
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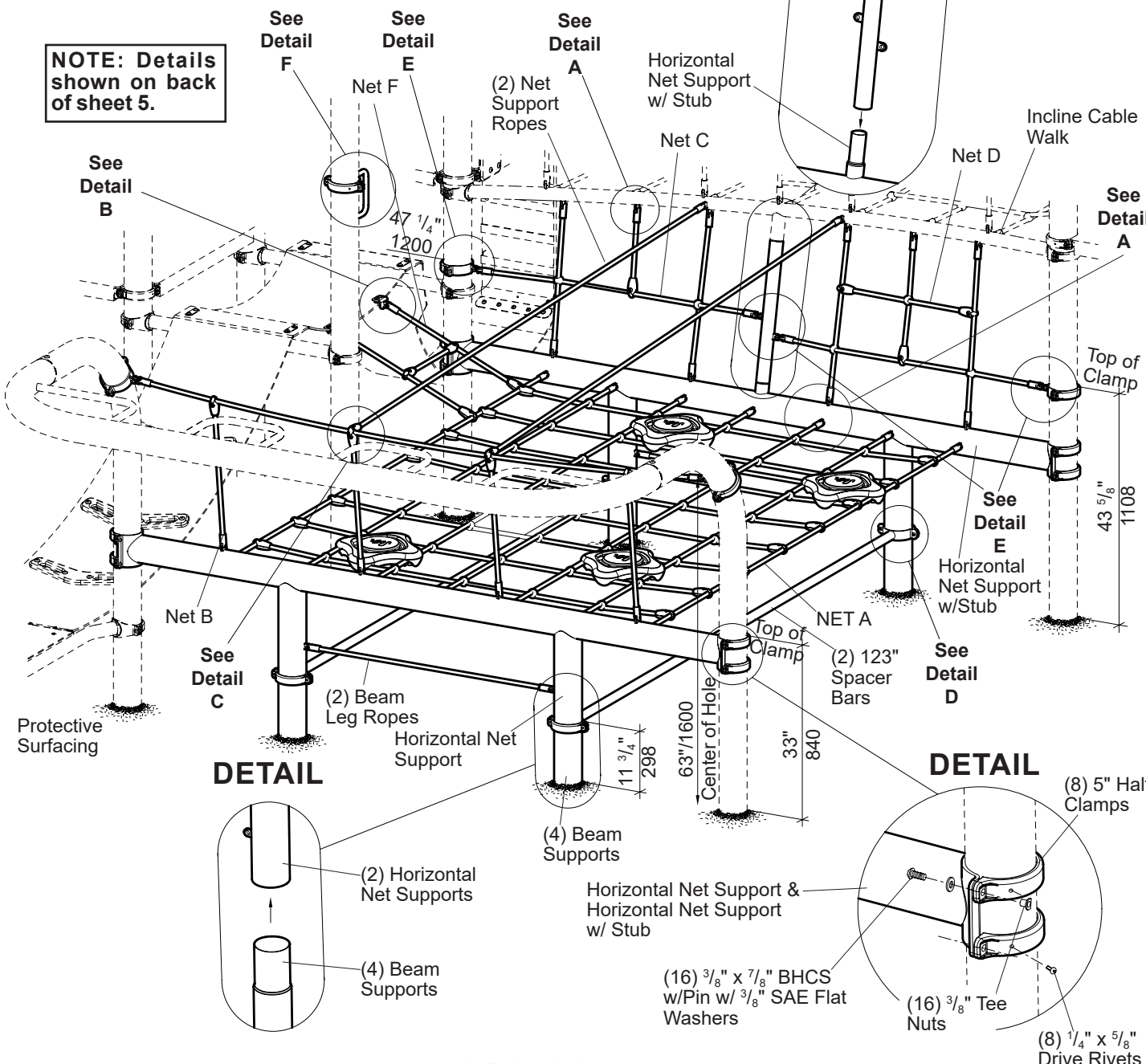
**SAFETY NOTE**
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

# DETAIL
## NET POD ATTACHMENT

216055a




**NOTE: Details shown on back of sheet 5.**




## DETAIL




## DETAIL




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Sheet 6 of 25

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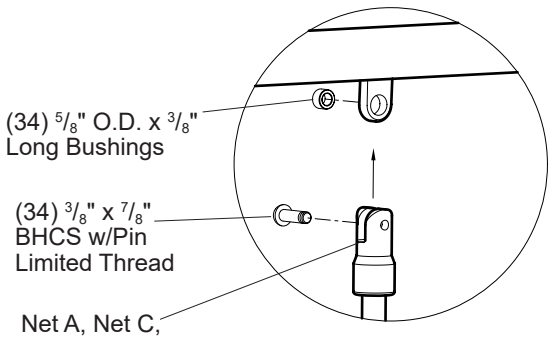
**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

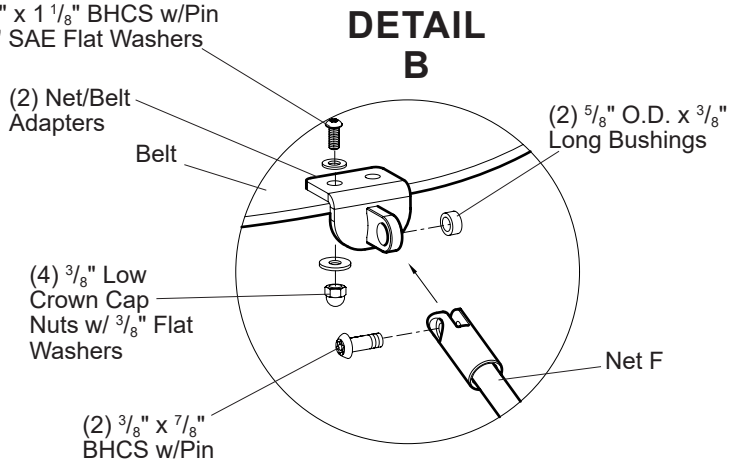
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# CARGO NET DETAILS

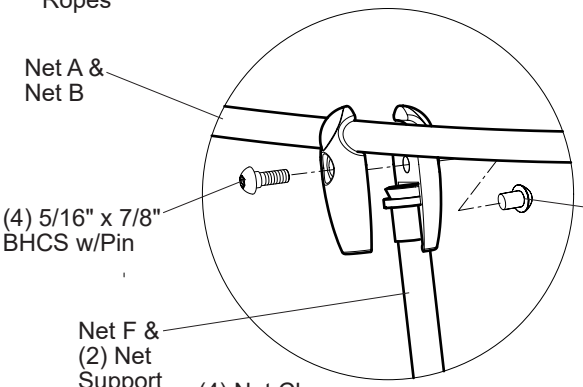
## DETAIL A



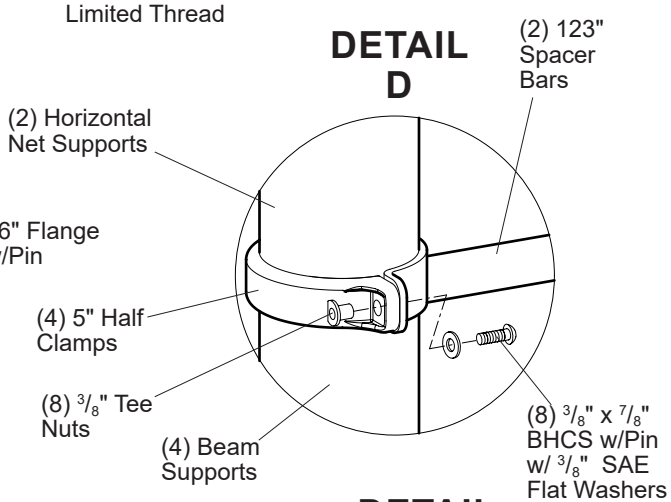

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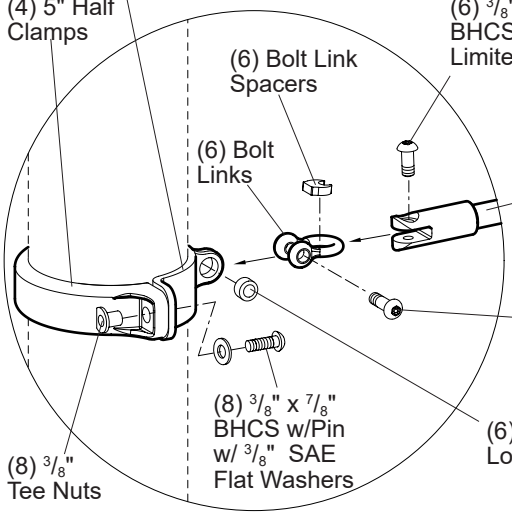

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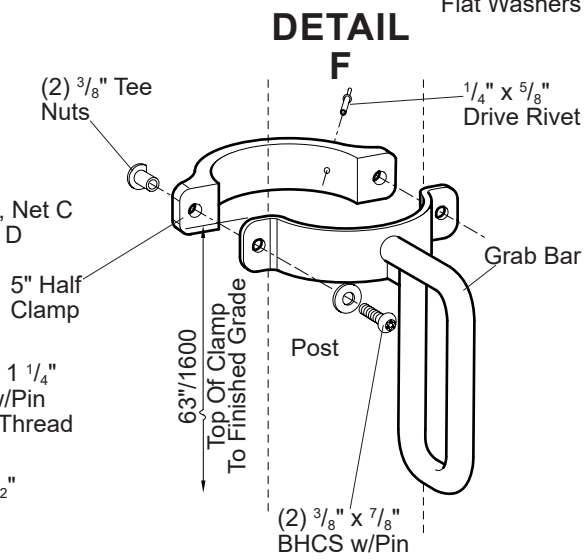

## DETAIL D




## DETAIL E




## DETAIL F




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## Cargo Net

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 212398 | Net A, Black | 1 |
| 210981 | Net Pods, Specify Color | 4 |
| 211923 | Pod Clamp Plate, Specify Color | 16 |
| 212395 | Horizontal Net Support, Specify Color | 1 |
| 212402 | Horizontal Net Support w/Stub, Specify Color | 1 |
| 212669 | Beam Support, SM, Specify Color | 4 |
| 213006 | Beam Support, DB, Specify Color | 4 |
| 145154 | 123" Spacer Bar, Specify Color | 2 |
| 212716 | Beam Leg Rope, Black | 2 |
| 212452 | Net Support Rope, Black | 2 |
| 212415 | Net B, Black | 1 |
| 212416 | Net C, Black | 1 |
| 212417 | Net D, Black | 1 |
| 212419 | Net F, Black | 1 |
| 210439 | Net/Belt Adaptor, Specify Color | 2 |
| 212668 | Net Mid Support, Specify Color | 1 |
| 161898 | Net Clamp, Specify Color | 4 |
| 105327 | 5" Half Clamp, Specify Color | 17 |
| 191086 | T-Connector Cable 20 mm | 8 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 16 |
| 141541 | Grab Bar, Gray | 1 |
| **311901** | **Cargo Net Hardware Package** | 1 |
| 100290 | 3/8" x 7/8" BHCS w/Pin Limited Thread, SST | 42 |
| 127179 | 5/8" O.D. x 3/8" Long Bushing, SST | 36 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 4 |
| 100351 | 3/8" Tee Nut, SST | 32 |
| 175006 | Flg Nut 6LP 5/16", SST | 4 |
| 132626 | BHCS 6LP 5/16" x 7/8", SST | 4 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 48 |
| 100365 | 3/8" SAE Flat Washer, SST | 52 |
| 100362 | 3/8" Flat Washer, SST | 4 |
| 100349 | Low Crown Cap Nut, SST | 4 |
| 138915 | Bolt Link, SST | 6 |
| 100292 | 3/8" x 1 1/4" BHCS w/Pin Limited Thread, SST | 6 |
| 156962 | 5/8" O.D. x 1/2" Long Bushing, SST | 6 |
| 196319 | Bolt Link Spacer, Aluminum | 6 |
| **106518** | **Grab Bar Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 2 |
| 100351 | 3/8" Tee Nut, SST | 2 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 1 |
| **121348** | **4-Hole Surface Mount Hardware Package** | 4 |
| 100322 | 1/2" Standard Hex Nuts, SST. | 16 |
| 100363 | 1/2" Flat Washers, SST. | 16 |
| 100266 | 1/2" x 2 3/4" Expansion Anchors | 16 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**Net/Rope:** Made of tightly woven polyester-wrapped, six-stranded galvanized-steel cable with a polypropylene core, black in color. **(Connectors)** 6063-T6 aluminum.

**Horizontal Net Support:** Weldment comprised of 5" (127 mm) O.D. x 11 Ga. (.120") (3,05 mm) wall galvanized steel tube, 1/4" (6,35 mm) thick HRPO steel plate and 3/8" (9,52 mm) thick stainless steel plate. Finish: ProShield®, color specified.

**Beam Support:** Made from 5" (127 mm) O.D. x 11 Ga. (.120") (3,05 mm) wall galvanized steel tube. Finish: ProShield®, color specified.

**Spacer Bar:** Weldment comprised of 1.660" (42,16 mm) O.D. x .111" - .121" (2,81 mm-3,07 mm) wall RS40 galvanized steel tube, and 1/4" (6,35 mm) thick HRPO steel plate. Finish: ProShield, color specified.

**Net Pod:** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

**Horizontal Net Support:** Weldment comprised of 5" (127 mm) O.D. x 11 Ga. (.120") (3,05 mm) wall galvanized steel tube, 2.375" (60,32 mm) O.D. x .130" - .140" (3,30 mm-3,55 mm) wall RS40 galvanized steel tube, 1/4" (6,35 mm) thick HRPO steel plate and 3/8" (9,52 mm) thick stainless steel plate. Finish: ProShield, color specified.

**Net/Belt Adaptor:** Weldment comprised of 1/4" (6,35 mm) thick HRPO steel plate and 3/8" (9,52 mm) thick stainless steel plate. Finish: ProShield, color specified.

**Pod Clamp Plate:** Made from 7 Ga. (.179") (4,54 mm) thick HRPO steel sheet. Finish: ProShield, color specified.

**Net Mid. Support:** Weldment comprised of 2.375" (60,32 mm) O.D. x .130" - .140" (3,30 mm-3,55 mm) wall RS40 galvanized steel tube, and 3/8" (9,52 mm) thick stainless steel plate. Finish: ProShield, color specified.

**Grab Bar:** Weldment comprised of formed 7/8" (22,22 mm) O.D. 11 GA (.120") (3,05 mm) and 1/4" (6,35 mm) x 1 3/4" (44,45 mm) stainless steel half clamp. Finish: TenderTuff™, gray in color.

**Net Clamp:** Weldment comprised of 1/4" (6,35 mm) x 1 3/4" (44,45 mm) HRPO flat steel and .375" (9,53 mm) stainless steel sheet. Finish: ProShield, color specified.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Insert beam support posts into horizontal net supports.
2) Attach 123" spacer bars to horizontal net supports and beam supports at height shown. **NOTE:** *123" Spacer bars should be centered on bottom of horizontal net support posts.*
3) Place net mid support onto horizontal net support with stub and position beneath incline cable walk lower tube.
4) Complete cargo net assembly following Details shown. **NOTE:** *When attaching Net B to posts, measure from center of net clamp hole to finished grade to ensure Net B is attached to proper location.*

Specifications are subject to change without notice.

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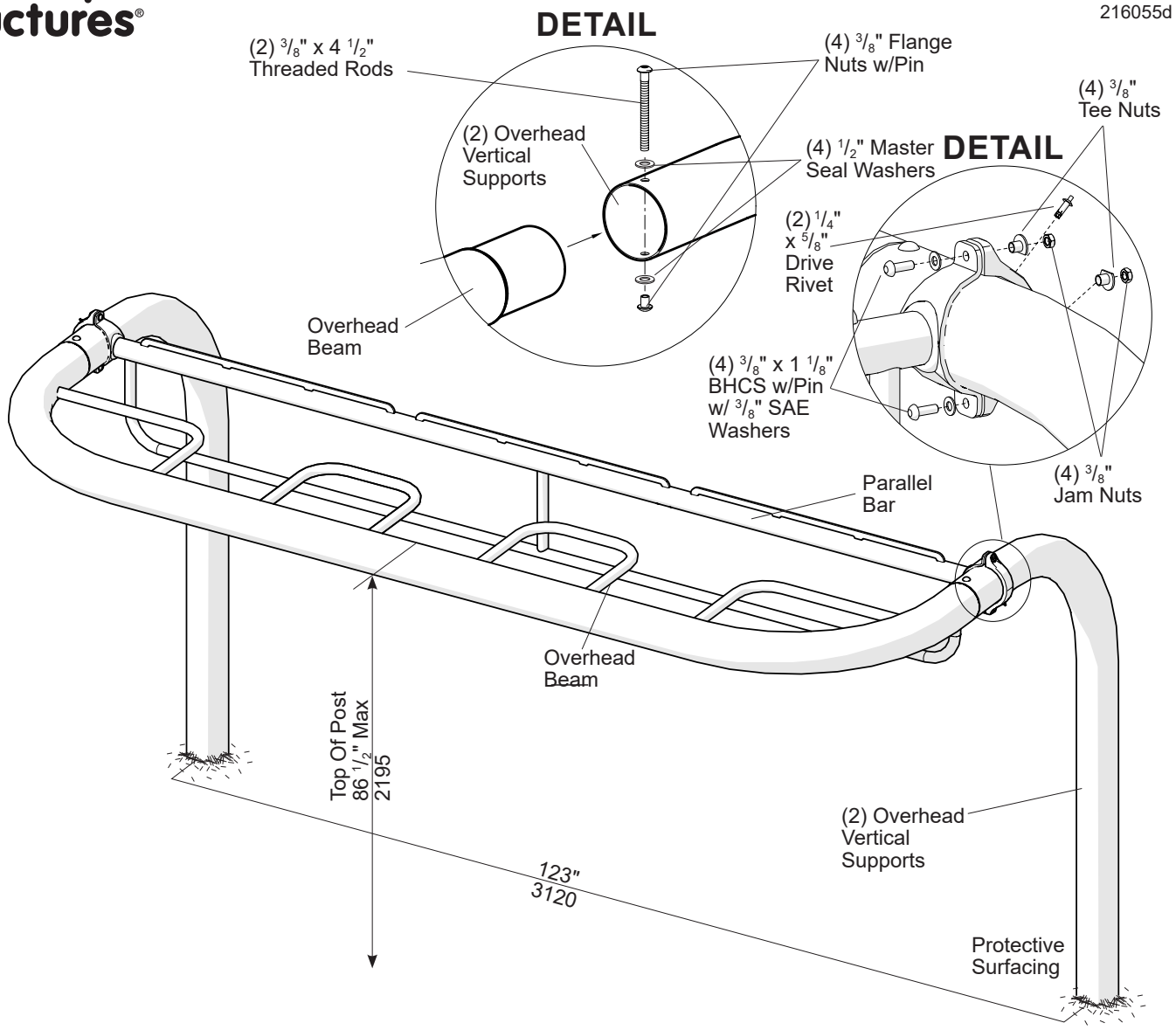
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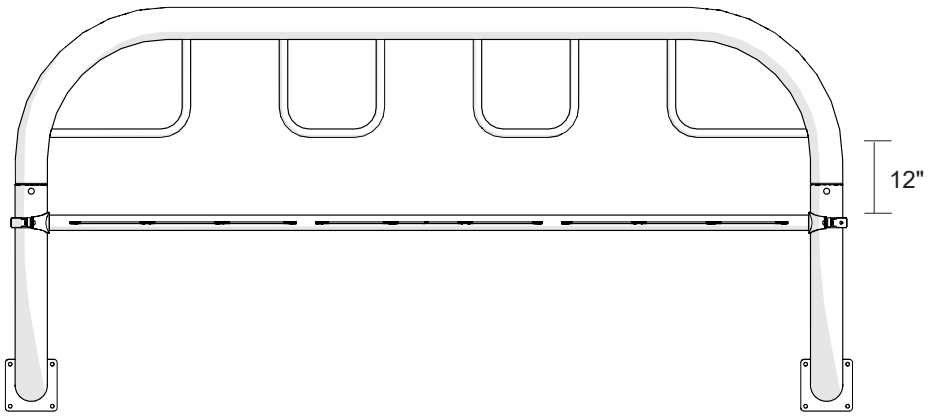
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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# Windowpane Overhead Ladder

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 212394 | Overhead Beam, Specify Color | 1 |
| 213296 | Overhead Vertical Support, SM, Specify Color | 2 |
| 213385 | Overhead Vertical Support, DB, Specify Color | 2 |
| 242262 | 56" Kick Plate | 2 |
| 105327 | Clamp Half 5" | 2 |
| 242260 | Venti Parallel Bar | 1 |
| **244345** | **Windowpane Overhead Ladder Hardware Pkg.** | 1 |
| 100198 | $^{3}/_{8}$" x 1 ⅛" BHCS, SST | 4 |
| 100351 | Nut Mod-T ⅜", SST | 4 |
| 100353 | Flg Nut ⅜", SST | 4 |
| 100365 | SAE Flat Washer, SST | 4 |
| 128296 | Hex Jam Nut ⅜", SST | 4 |
| 100610 | Drive Rivet ¼" x ⅝", SST | 2 |
| 223098 | Master Seal Washer ½" x 1" OD | 4 |
| 148081 | Threaded Rod ⅜" x 4 ½", SST | 2 |
| **121348** | **4-Hole Surface Mount Hardware Package** | 2 |
| 100322 | $^{1}/_{2}$" Standard Hex Nuts, SST. | 8 |
| 100363 | $^{1}/_{2}$" Flat Washers, SST. | 8 |
| 100266 | $^{1}/_{2}$" x 2 $^{3}/_{4}$" Expansion Anchors | 8 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**Overhead Beam:** Weldment comprised of 5" (127 mm) O.D. x 11 Ga. (.120") (3,05 mm) wall galvanized steel tube, and 1.315" (33,40 mm) O.D. x .080" - .090" (2,03 mm-2,28 mm) wall RS20 galvanized steel tube. Finish: ProShield®, color specified.

**Overhead Vertical Support:** Weldment comprised of 5" (127 mm) O.D. x 11 Ga. (.120") (3,05 mm) wall galvanized steel tube, and 1.315" (33,40 mm) O.D. x .080" - .090" (2,03 mm-2,28 mm) wall RS20 galvanized steel tube. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Venti Parallel Bar:** Weldment comprised of 5" (127 mm) O.D. x 11 Ga. (.120") (3,05 mm) wall galvanized steel tube, and 1.315" (33,40 mm) O.D. x .080" - .090" (2,03 mm-2,28 mm) wall RS20 galvanized steel tube. Rail Fin comprised of .25" steel. Finish: ProShield, color specified.

## Installation Instructions

1) Insert overhead beam into overhead vertical supports. Using holes in overhead vertical supports as a guide, drill through (4) holes using a $^{15}/_{32}$" drill bit.

2) Turn threaded rod part way into $^{3}/_{8}$" flange nut. Insert threaded rod into hole and fasten together using remaining $^{3}/_{8}$" flange nut.

3) Install venti parallel bar using $^{3}/_{8}$" x 1 $^{1}/_{8}$" BHCS w/Pin w/ $^{3}/_{8}$" SAE Washers, $^{3}/_{8}$" Jam Nuts, $^{3}/_{8}$" Tee Nuts, and $^{1}/_{4}$" x $^{5}/_{8}$" Drive Rivet

Specifications are subject to change without notice.

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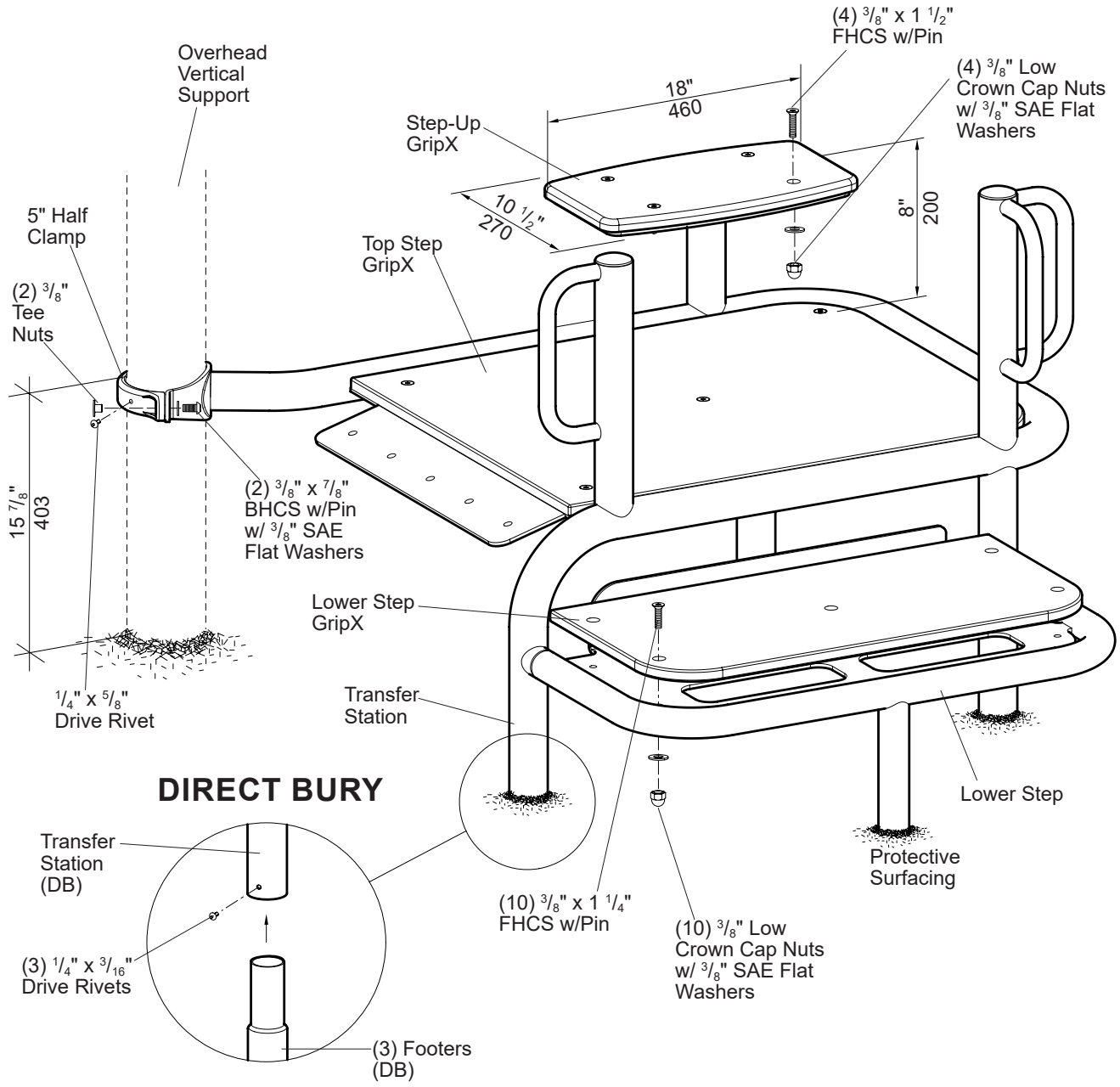
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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# Transfer Deck

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 212569 | Transfer Station, SM, Specify Color | 1 |
| 213068 | Lower Step, SM, Specify Color | 1 |
| 213069 | Lower Step, DB, Specify Color | 1 |
| 216713 | Step-Up GripX, Black | 1 |
| 212608 | Top Step GripX, Black | 1 |
| 212609 | Lower Step GripX, Black | 1 |
| 213022 | Footer Transfer Station, DB | 3 |
| 213021 | Transfer Station, DB, Specify Color | 1 |
| 100609 | 1/4" x 3/16" Drive Rivet, AL/AL, DB | 3 |
| 105327 | 5" Half Clamp, Specify Color | 1 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 1 |
| **215632** | **Transfer Deck Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 2 |
| 100351 | 3/8" Tee Nut, SST | 2 |
| 100252 | 3/8" x 1 1/4" FHCS w/Pin, SST | 10 |
| 100365 | 3/8" SAE Flat Washer, SST | 16 |
| 100349 | Low Crown Cap Nut, SST | 14 |
| 151421 | 3/8" x 1 1/2" FHCS w/Pin, SST | 4 |
| **112578** | **3-Hole Surface Mount Hardware Package** | 3 |
| 100327 | 3/8" Standard Hex Nut, SST. | 9 |
| 100365 | 3/8" SAE Flat Washers, SST. | 9 |
| 100263 | 3/8" x 2 3/4" Expansion Anchors | 9 |
| **112980** | **1-Hole Surface Mount Hardware Package** | 1 |
| 100327 | 3/8" Standard Hex Nut, SST. | 1 |
| 100365 | 3/8" SAE Flat Washers, SST. | 1 |
| 100263 | 3/8" x 2 3/4" Expansion Anchors | 1 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**GripX:** .750" (19,05 mm) Thick Permalene®, black in color.

**Transfer Station:** Weldment comprised of 2.375" (60,32 mm) O.D. x .130" - .140" (3,30 mm-3,55 mm) wall RS40 galvanized steel tube, 1.900" (48,26 mm) O.D. x .090" - .100" (2,28 mm-2,54 mm) wall RS20 galvanized steel tube, 1.029" (26,13 mm) O.D. x .070" - .080" (1,77 mm-2,03 mm) wall RS20 galvanized steel tube and 1/4" (6,35 mm) thick HRPO steel plate. Finish: ProShield®, color specified.

**Footer:** Weldment comprised of 2.375" (60,32 mm) O.D. x .095" - .105" (2,41 mm-2,66 mm) wall RS20 galvanized steel tube. Finish: ProShield, color specified.

**Lower Step:** Weldment comprised of 1.900" (48,26 mm) O.D. x .120" - .130" (3,01 mm-3,30 mm) wall RS40 galvanized steel tube, and 1/4" (6,35 mm) thick HRPO steel plate. Finish: ProShield, color specified.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) **(Direct Bury)** Insert footers into transfer station posts. Drill through posts and into footers with a 1/4" or "F" (only) drill bit, insert drive rivet in hole through posts and into footers. Hammer drive rivet pin in until flush with head.
2) Attach transfer station to post at height shown.
3) Attach GripX steps to transition station.

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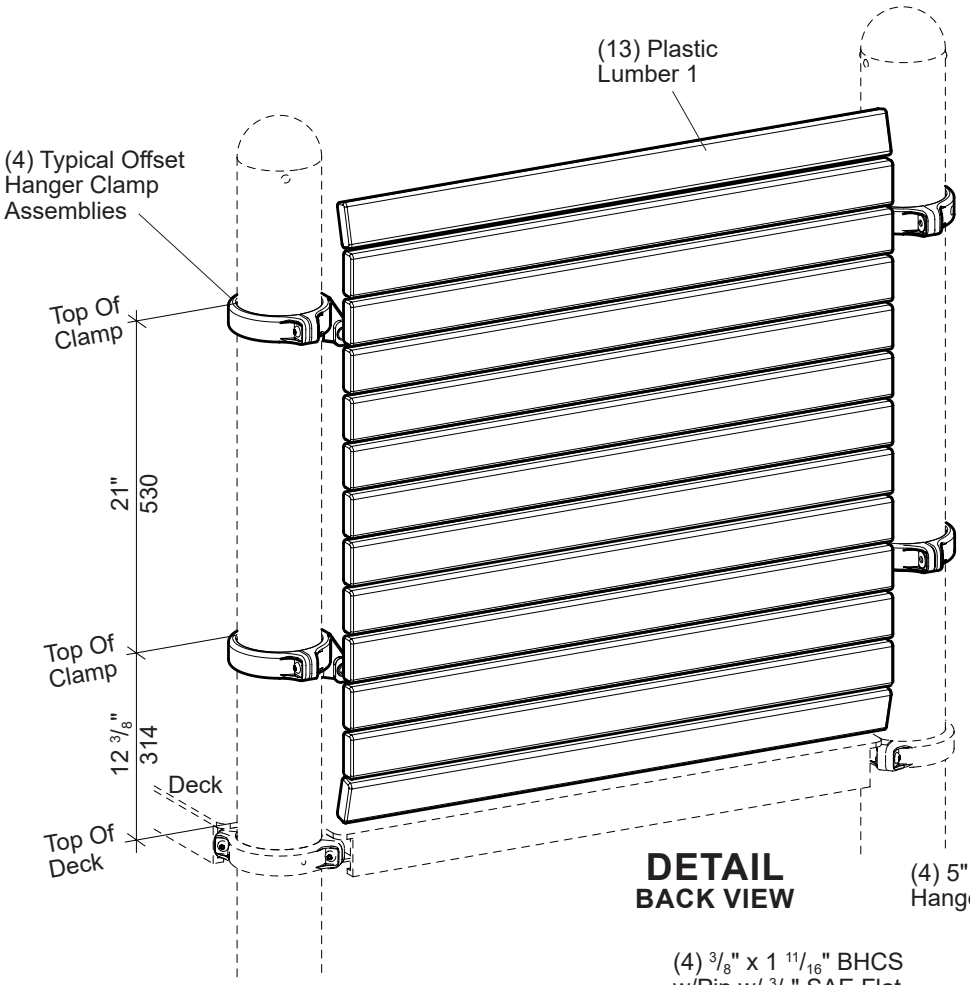
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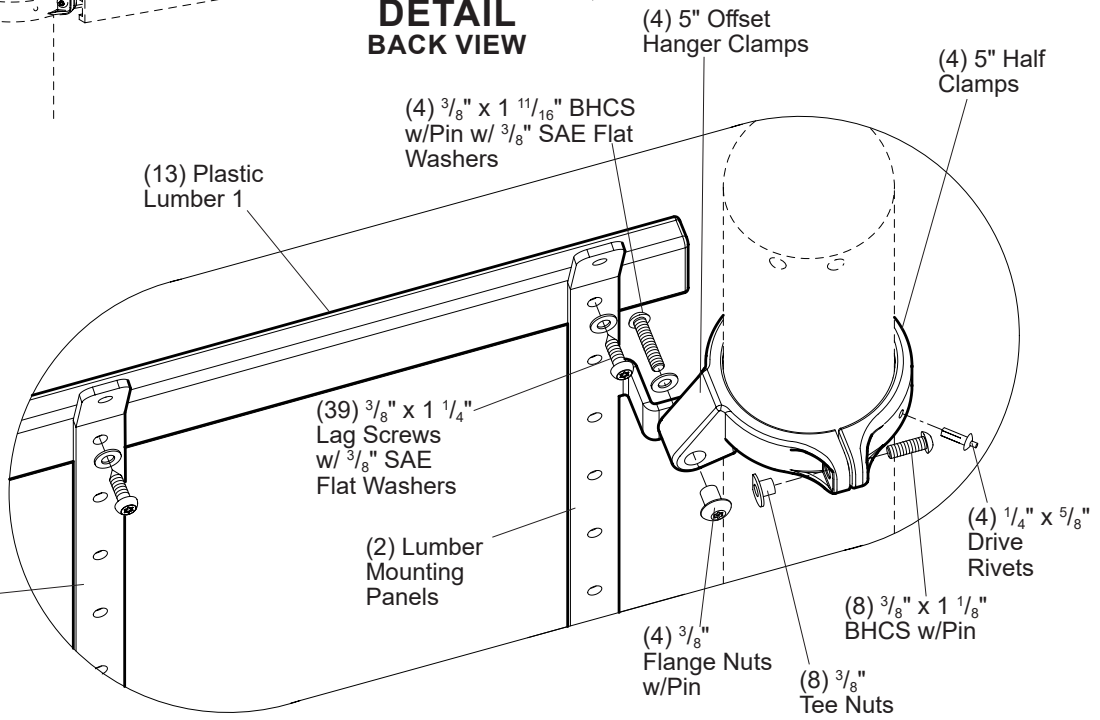
**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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**DETAIL**
**BACK VIEW**




**NOTE: 2 Lumber Wall Panels are required for structure.**

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# Lumber Wall Panel

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 212311 | Lumber Mounting Panel, Specify Color | 2 |
| 212342 | Lumber Strip, Specify Color | 1 |
| 212339 | Plastic Lumber 1, Mink | 13 |
| 105327 | 5" Half Clamp, Specify Color | 4 |
| 113729 | 5" Offset Hanger Clamp, Specify Color | 4 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 4 |
| **215631** | **Lumber Wall Panel Hardware Package** | 1 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 8 |
| 100351 | 3/8" Tee Nut, SST | 8 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 4 |
| 100365 | 3/8" SAE Flat Washer, SST | 43 |
| 123224 | 3/8" x 1 11/16" BHCS w/Pin, SST | 4 |
| 205152 | 3/8" x 1 1/4" BH Lag Screw/Pin, SST | 39 |

*** Parts List is for one Lumber Wall Panel.**
**2 Lumber Wall Panels are required for structure.**

## Specifications

**Lumber Strip:** Made from 1/4" (6,35 mm) thick HRPO steel plate. Finish: ProShield®, color specified.

**Lumber Mounting Panel:** Made from 1/4" (6,35 mm) thick HRPO steel plate. Finish: ProShield®, color specified.

**Lumber:** Recycled high-density polyethylene, mink in color.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Assemble lumber wall panel, as shown.

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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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**NOTE: Validate handholds are orientated similar to the image.**




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# Vertical Panel Climber

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 105327 | 5" Half Clamp, Specify Color | 6 |
| 113729 | 5" Offset Hanger Clamp, Specify Color | 6 |
| 113468 | 7/8" O.D. x 1 11/16" Aluminum Tube, Specify Color | 6 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 6 |
| 212309 | Colored Handhold Panel, LH, Specify Color | 1 |
| 212630 | Colored Handhold Panel, RH, Specify Color | 1 |
| 212360 | Vertical Panel Climber, Black | 1 |
| 212361 | Vertical Climber Insert Panel 1, Specify Color | 3 |
| 212362 | Vertical Climber Insert Panel 2, Specify Color | 3 |
| **215618** | **Vertical Panel Climber Hardware Package** | 1 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 12 |
| 100351 | 3/8" Tee Nut, SST | 12 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 36 |
| 124460 | 3/8" x 3 3/4" BHCS w/Pin, SST | 6 |
| 113027 | 3/8" x 1 3/8" BHCS w/Pin, SST | 24 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 6 |
| 100362 | 3/8" Flat Washer, SST | 6 |

**RH = Right Hand**
**LH = Left Hand**

## Specifications

**Vertical Panel:** Recycled Permalene®, black in color.

**Insert/ Handhold Panels:** Recycled Permalene®, color specified.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Assemble Vertical Panel Climber, as shown. **NOTE:** *Attach Vertical panel climber and handhold panels to deck first, then attach panels to posts.*

Specifications are subject to change without notice.

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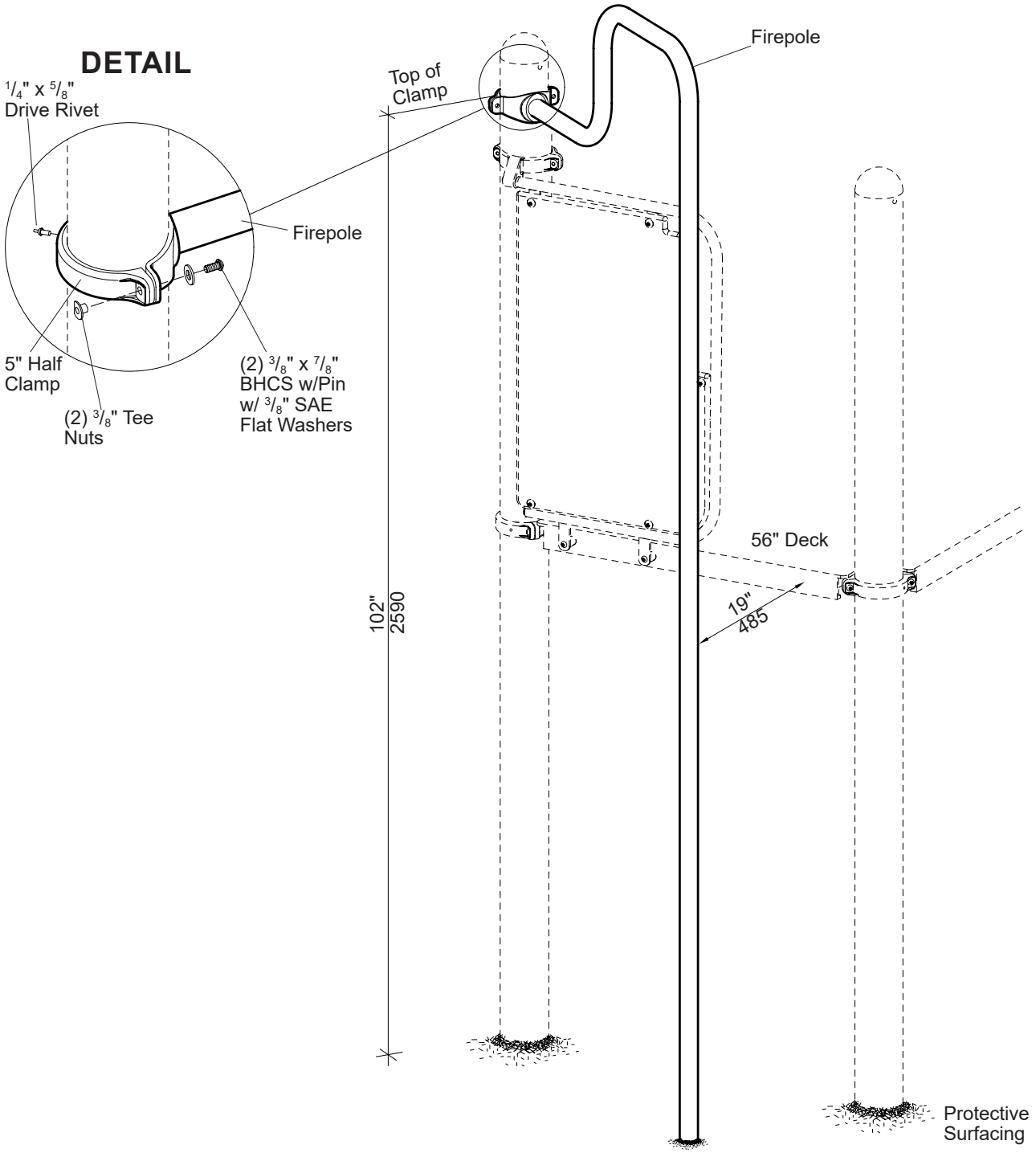
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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# Firepole (56" Deck)

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 105327 | 5" Half Clamp, Specify Color | 1 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 1 |
| 212356 | Firepole, SM, Specify Color | 1 |
| 213014 | Firepole, DB, Specify Color | 1 |
| **215619** | **Firepole (56" Deck) Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 2 |
| 100351 | 3/8" Tee Nut, SST | 2 |
| 100365 | 3/8" SAE Flat Washer, SST | 2 |
| **121348** | **4-Hole Surface Mount Hardware Package** | 1 |
| 100322 | 1/2" Standard Hex Nuts, SST. | 4 |
| 100363 | 1/2" Flat Washers, SST. | 4 |
| 100266 | 1/2" x 2 3/4" Expansion Anchors | 4 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**Firepole:** Weldment comprised of 1.900" (48,26 mm) O.D. RS40 (.120"-.130") (3,05 mm - 3,30 mm) wall galvanized steel tubing and 1/4" (6,35 mm) HRPO steel sheet. Finish: ProShield®, color specified.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Assemble firepole, as shown.

Specifications are subject to change without notice.

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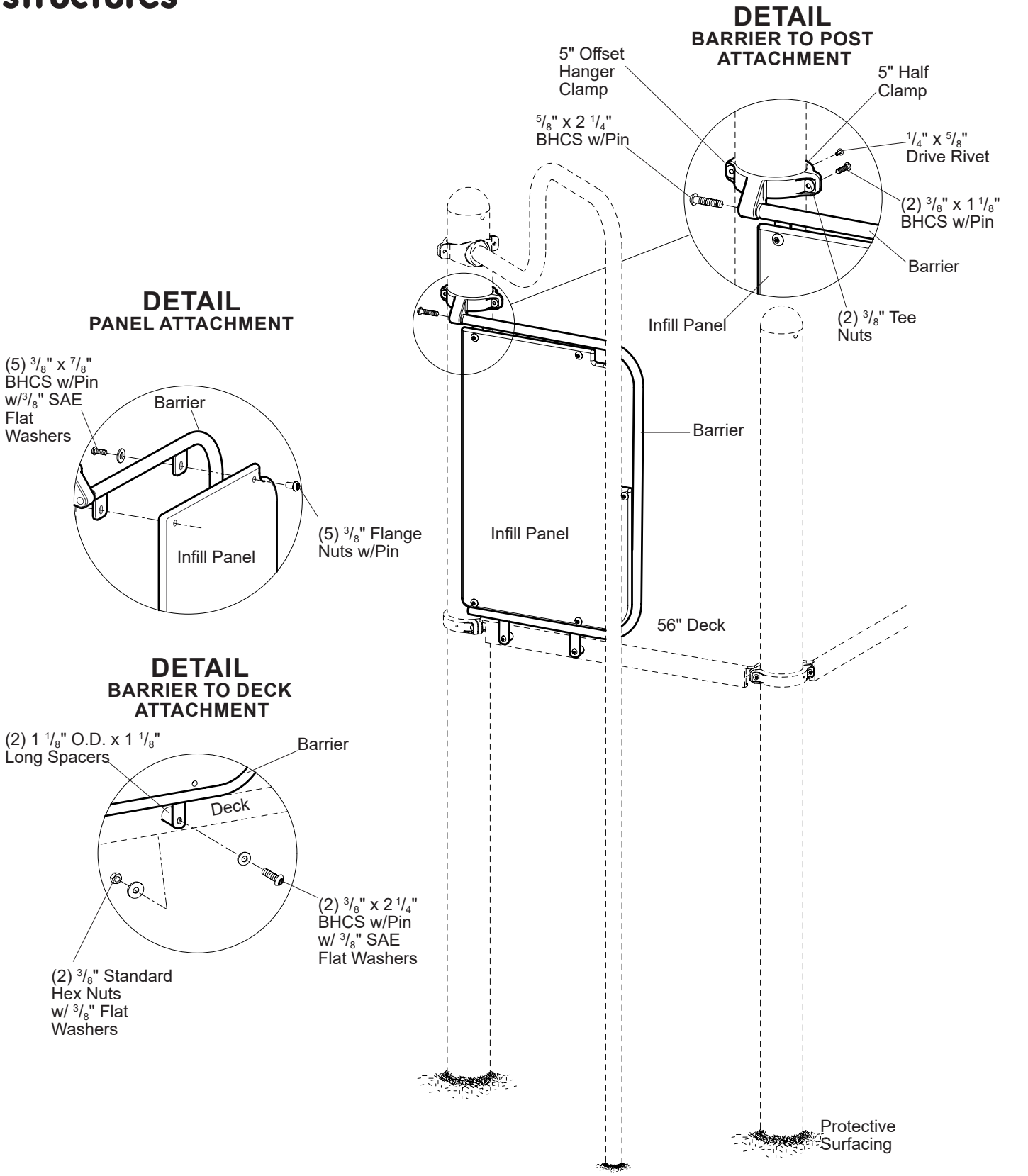
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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# Panel Maze

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 105327 | 5" Half Clamp, Specify Color | 1 |
| 113729 | 5" Offset Hanger Clamp, Specify Color | 1 |
| 151072 | 1 1/8" O.D. x 1 1/8" Spacer, Specify Color | 2 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 1 |
| 212524 | Infill Panel, Natural | 1 |
| 170930 | Fire Pole Barrier, Gray | 1 |
| **215620** | **Panel Maze Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 5 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 2 |
| 100351 | 3/8" Tee Nut, SST | 2 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 5 |
| 100362 | 3/8" Flat Washer, SST | 2 |
| 100365 | 3/8" SAE Flat Washer, SST | 7 |
| 100327 | 3/8" Standard Hex Nut, SST | 2 |
| 100203 | 5/8" x 2 1/4" BHCS w/Pin, SST | 1 |
| 100199 | 3/8" x 2 1/4" BHCS w/Pin, SST | 2 |

## Specifications

**Infill Panel:** Recycled Permalene®, Natural in color.

**Barrier:** Weldment comprised of 1.125" (28,57 mm) O.D. 11 GA. (.120") (3,05 mm) steel tube per ASTM A513 with 203 or 303 stainless steel threaded inserts with 5/8" (15,87 mm) internal threads and 1/4" (6,35 mm) tabs. Finish: TenderTuff™, gray in color.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach barrier to deck. Refer to the Barrier to Deck Attachment Detail.
2) Attach barrier to post. Refer to the Barrier to Post Attachment Detail.
3) Attach infill panel to barrier. Refer to the Panel Attachment Detail.

Specifications are subject to change without notice.

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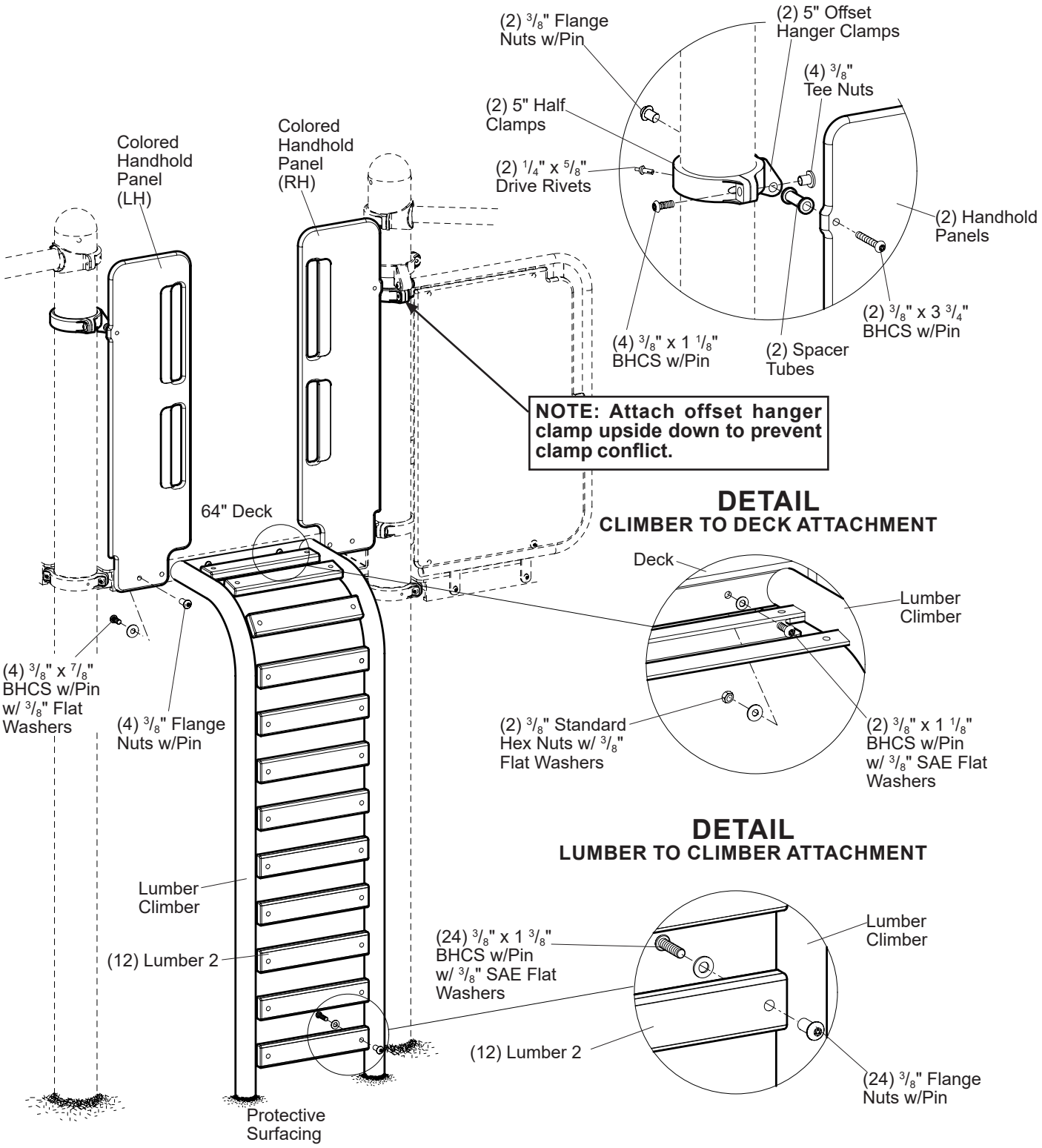
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

## DETAIL
### PANEL TO POST ATTACHMENT




## DETAIL
### CLIMBER TO DECK ATTACHMENT




## DETAIL
### LUMBER TO CLIMBER ATTACHMENT




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# Wood Plank Ladder (64" Deck)

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 212381 | Lumber Climber, SM, Specify Color | 1 |
| 213012 | Lumber Climber, DB, Specify Color | 1 |
| 212380 | Lumber 2, Mink | 12 |
| 212744 | Colored Bridge Handhold, RH, Specify Color | 1 |
| 212745 | Colored Bridge Handhold, LH, Specify Color | 1 |
| 105327 | 5" Half Clamp, Specify Color | 2 |
| 113729 | 5" Offset Hanger Clamp, Specify Color | 2 |
| 113468 | 7/8" O.D. x 1 11/16" AL. Spacer Tube, Specify Color | 2 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 2 |
| **215621** | **Wood Plank Ladder (64") Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 4 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 6 |
| 113027 | 3/8" x 1 3/8" BHCS w/Pin, SST | 24 |
| 100351 | 3/8" Tee Nut, SST | 4 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 30 |
| 100362 | 3/8" Flat Washer, SST | 6 |
| 100365 | 3/8" SAE Flat Washer, SST | 26 |
| 100327 | 3/8" Standard hex Nut, SST | 2 |
| 124460 | 3/8" x 3 3/4" BHCS w/Pin, SST | 2 |
| **112578** | **3-Hole Surface Mount Hardware Package** | 2 |
| 100327 | 3/8" Standard Hex Nut, SST. | 6 |
| 100365 | 3/8" SAE Flat Washers, SST. | 6 |
| 100263 | 3/8" x 2 3/4" Expansion Anchors | 6 |

**SM = Surface Mount**
**DB = Direct Bury**
**RH = Right Hand**
**LH = Left Hand**

## Specifications

**Lumber Climber:** Weldment comprised of 2.375" (60,32 mm) O.D. x .130" - .140" (3,30 mm-3,55 mm) wall RS40 galvanized steel tube, and 1/4" (6,35 mm) thick HRPO steel plate. Finish: ProShield, color specified.

**Bridge Handhold:** Recycled Permalene® panel, color specified.

**Lumber:** Recycled high-density polyethylene, mink in color.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach lumber climber to deck. Refer to the Climber to Deck Detail.
2) Attach lumber 2 to lumber climber. Refer to the Lumber to Climber Attachment Detail.
3) Attach handhold panels to deck.
4) Attach handhold panels to posts.

Specifications are subject to change without notice.

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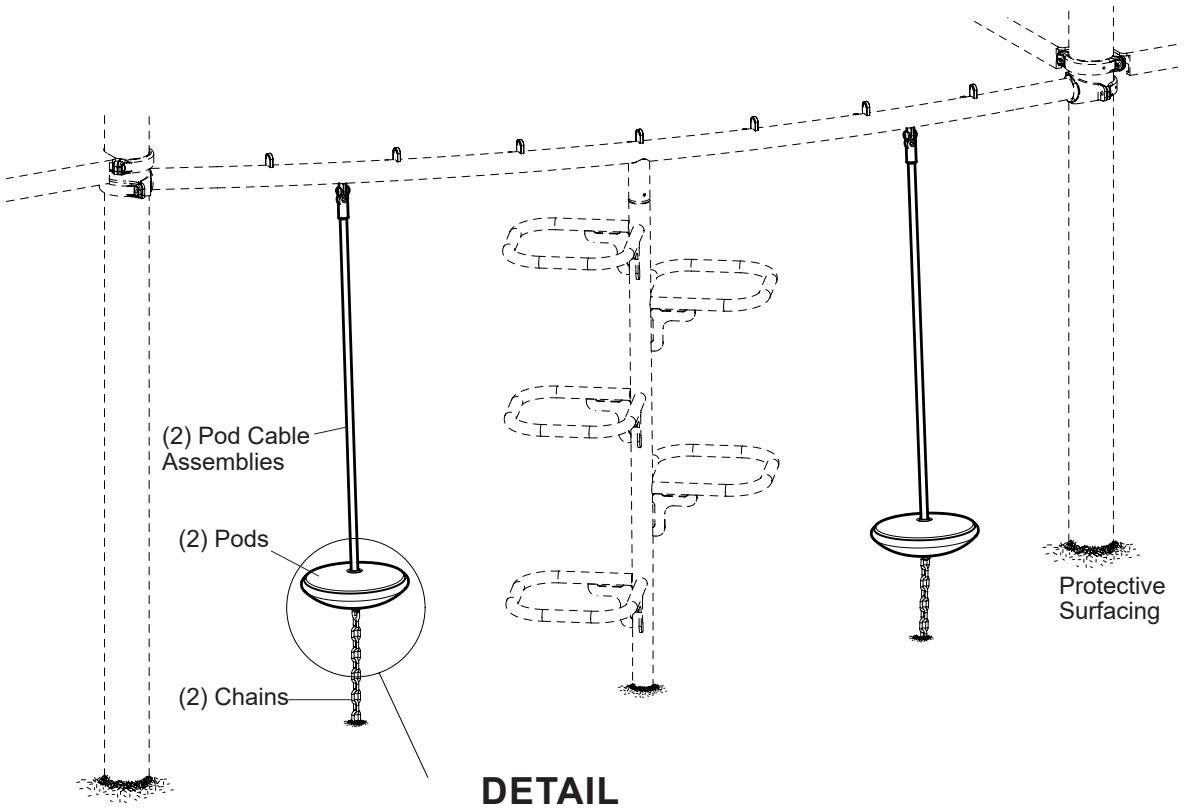
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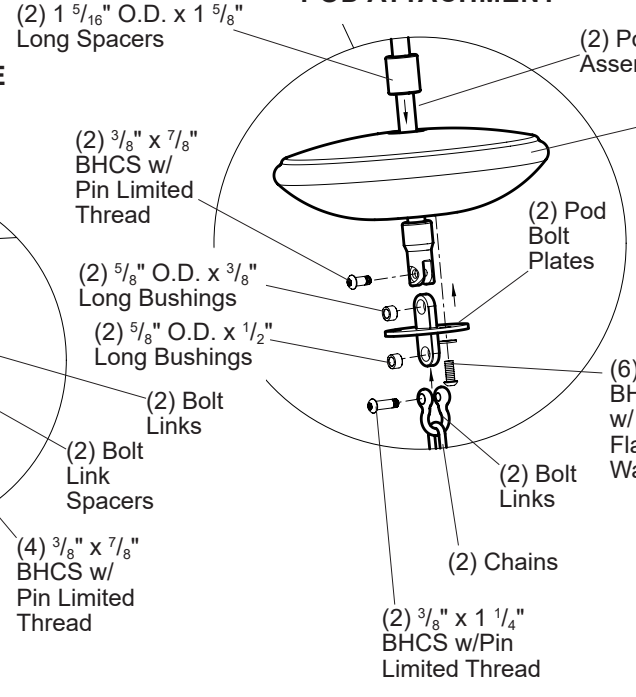
**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

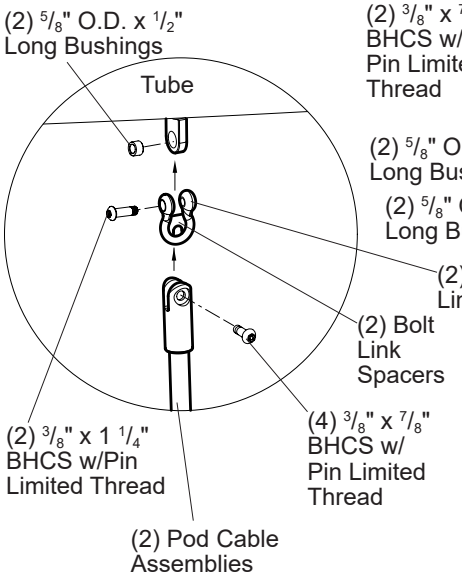
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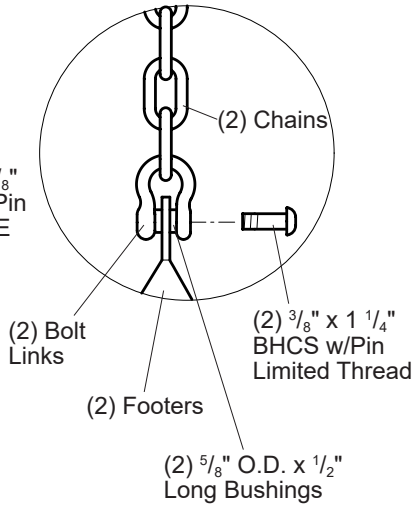

## DETAIL
### POD ATTACHMENT




## DETAIL
### CABLE TO TUBE ATTACHMENT




## DETAIL
### FOOTER ATTACHMENT




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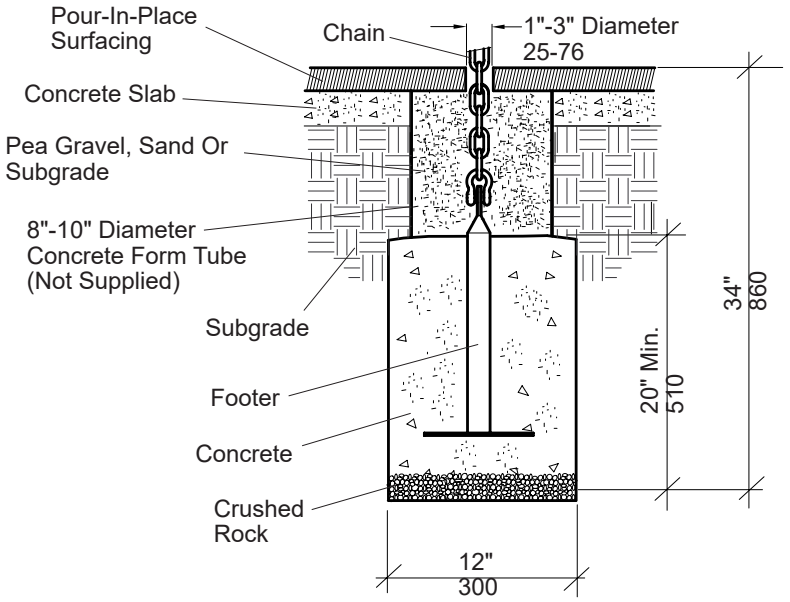
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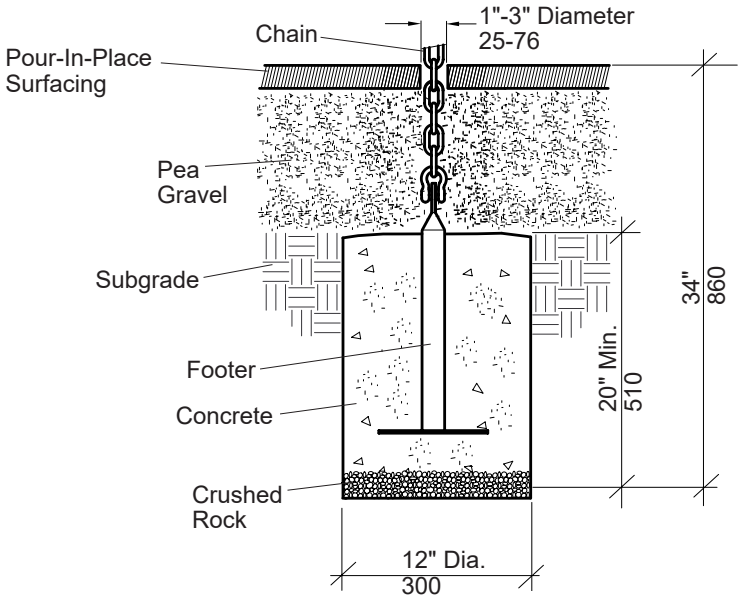
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## DETAIL
### DIRECT BURY WITH POUR-IN-PLACE SURFACING




## DETAIL
### DIRECT BURY WITH POUR-IN-PLACE SURFACING ( PEA GRAVEL)




**NOTE: The hole depth for the footer needs to be deep enough, so the footer plate doesn't contact the bottom of the hole. The weight of the concrete will force the footer plate down, tightening the cable.**




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# Smart Play® 210739 Venti

## Swiggle Stix

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 212694 | Swiggle Stix Rope, Black | 2 |
| 154460 | Pod, Specify Color | 2 |
| 164531 | Footer Plate, (SM), Specify color | 2 |
| 177932 | Pod Bolt Plate, Specify Color | 2 |
| 190780 | 1/4 P70 Chain 18 9/16", (DB) | 2 |
| 127032 | 1/4 P70 Chain 11 1/2", (SM) | 1 |
| 198497 | 1/4 P70 Chain 16 3/4", (SM) | 1 |
| 178586 | 1 5/16" O.D. x 1 5/8" Long AL. Spacer | 2 |
| 156383 | Single Post Footer, (DB), Specify Color | 2 |
| **215624** | **Swiggle Stix Hardware Package** | 1 |
| 100290 | 3/8" x 7/8" BHCS w/Pin Limited Thread, SST | 4 |
| 127179 | 5/8" O.D. x 3/8" Bushing, SST | 2 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 6 |
| 100365 | 3/8" SAE Flat Washer, SST | 6 |
| 138915 | Bolt Link, SST | 6 |
| 100292 | 3/8" x 1 1/4" BHCS w/Pin Limited Thread, SST | 6 |
| 156962 | 5/8" O.D. x 1/2" Bushing, SST | 6 |
| 196319 | Bolt Link Spacer | 2 |
| **111392** | **2-Hole Surface Mount Hardware Package** | 2 |
| 100322 | 1/2" Standard Hex Nut, SST. | 4 |
| 100363 | 1/2" Flat Washers, SST. | 4 |
| 100266 | 1/2" x 2 3/4" Expansion Anchors | 4 |

**SM = Surface Mount**
**DB = Direct Bury**

## Specifications

**Rope:** Made of tightly woven polyester-wrapped, six-stranded galvanized-steel cable with a polypropylene core. **(Cable Connectors)** 6061-T6 aluminum.

**Pod:** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

**Chain:** Steel 1/4" (6,35 mm) straight link chain, 3,150 lb (1428,82 kilograms) working load limit. Finish: ProGuard.

**:** Weldment consists of 3/16" (4,75 mm) HRPO steel plate and 3/8" (9,53 mm) thick SST plate. Finish: ProShield®, color specified.

**Footer:** Weldment comprised of 1.660" (42,16 mm) O.D. RS20 (.120" - .130") (3,05 mm-3,30 mm) wall galvanized steel tubing and 7 Ga. (4,54 mm) HRPO sheet steel. ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Specifications are subject to change without notice.

## Installation Instructions

1) Attach pod cable assemblies to pod climb across tabs.
2) Feed cables through 1 5/16" O.D. x 1 5/8" long spacers and holes in pods. Attach pod bolt plates to cables. Refer to the Pod Attachment Detail.
3) Attach pod bolt plates to pods, using 3/8" x 7/8" BHCS w/pin with 3/8" SAE flat washers. Refer to the Pod Attachment Detail.
4) Attach chains to pod bolt plates. Refer to the Pod Attachment Detail.
5) Attach footers to chains. Refer to the Footer Attachment Detail.
6) **(Direct Bury With Pour-In Place Surfacing)** Cut 2 lengths of concrete form tubes (not supplied) long enough to set on top of concrete footings and be level with top of concrete slab. Concrete form tubes should be 8"-10" in diameter. Disconnect bolt links from pod bolt plates. Place concrete form tubes over chains and footers. Connect bolt links to pod bolt plates. Fill concrete form tubes with pea gravel, sand or sub grade. Pour concrete slab. After concrete slab has cured, pour surfacing. **NOTE:** *When pouring surfacing leave a 1"-3" diameter opening around chains. Refer to the Direct Bury Pour-In-Place Surfacing Detail.*

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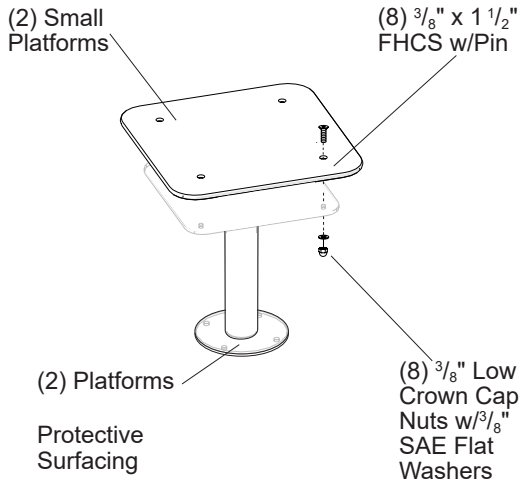
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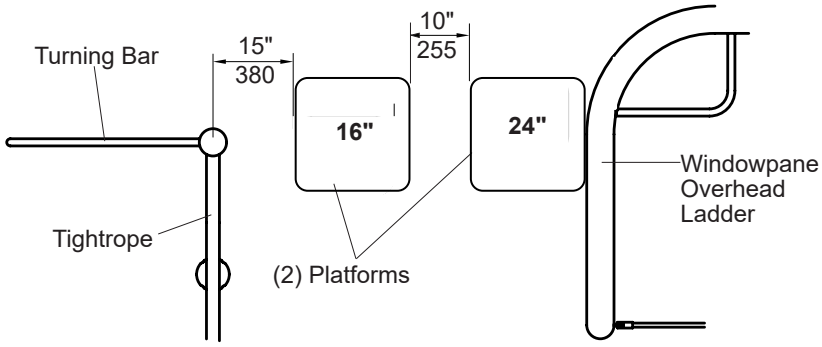
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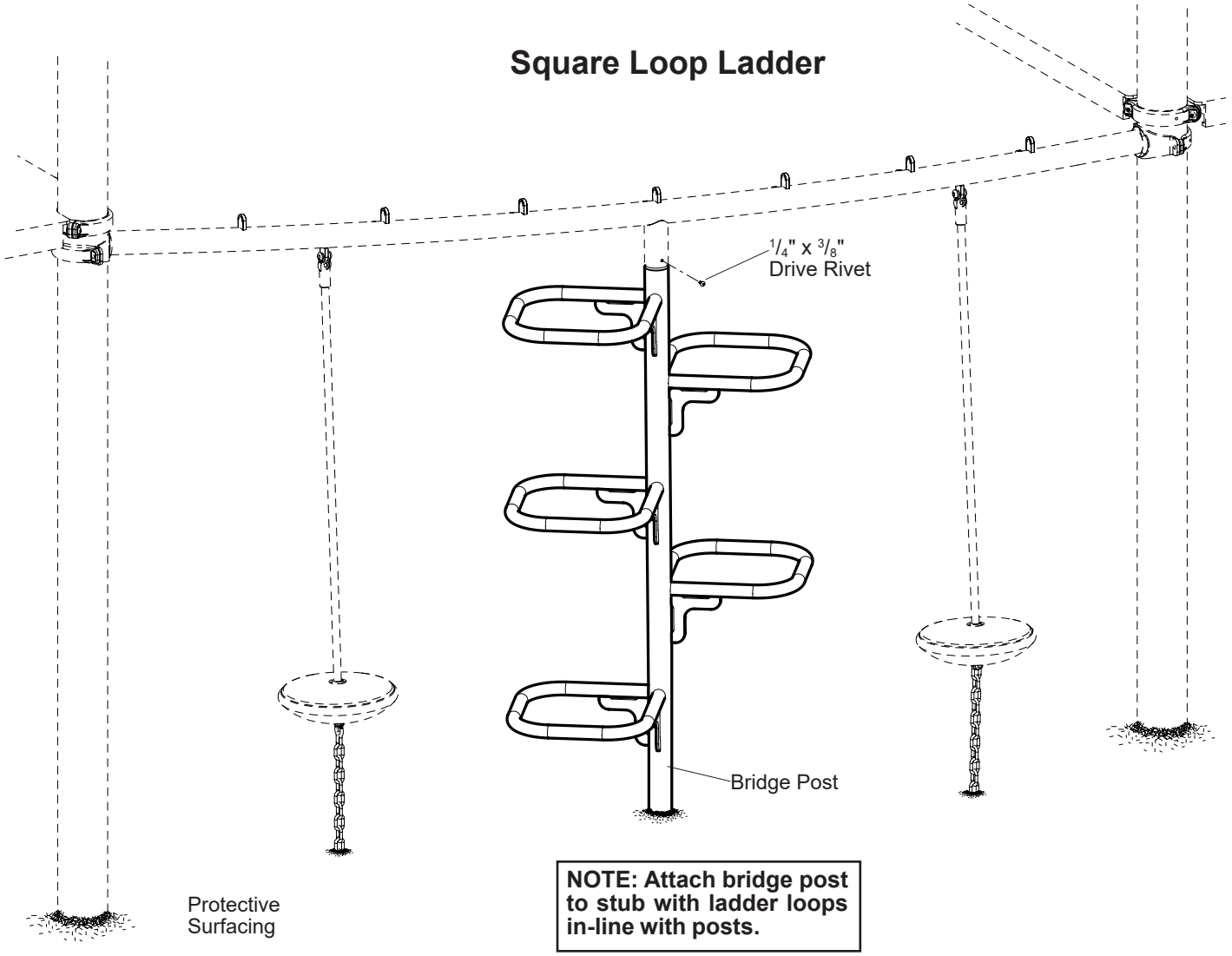
## Square Steppers




## Square Steppers Placement




## Square Loop Ladder




**NOTE: Attach bridge post to stub with ladder loops in-line with posts.**




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# Smart Play® 210739 Venti

## Square Loop Ladder

### Parts List

| Part# | Description | Qty. |
|---|---|---|
| 213004 | Bridge Post, DB, Specify Color | 1 |
| 212654 | Bridge Post, SM, Specify Color | 1 |
| 100611 | 1/4" x 3/8" Drive Rivet, AL/SST | 1 |
| **112578** | **3-Hole Surface Mount Hardware Package** | 1 |
| 100327 | 3/8" Standard Hex Nut, SST. | 3 |
| 100365 | 3/8" SAE Flat Washers, SST. | 3 |
| 100263 | 3/8" x 2 3/4" Expansion Anchors | 3 |

### Specifications

**Bridge Post:** Weldment comprised of 2.375" (60,32 mm) O.D. x .095" - .105" (2,41 mm-2,66 mm) wall RS20 galvanized steel tube and 1.315" (33,40 mm) O.D. x .080" - .090" (2,03 mm-2,28 mm) wall RS20 galvanized steel tube. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

### Installation Instructions

1) Insert bridge post into lower tube stub. Drill through stub and into bridge post with a 1/4" or "F" (only) drill bit, insert drive rivet in hole through stub and into post. Hammer drive rivet pin in until flush with head. **NOTE:** *Attach bridge post to stub with ladder loops in-line with posts.*

## Square Steppers

### Parts List

| Part# | Description | Qty. |
|---|---|---|
| 244335 | Platform, 16", SM, Specify Color | 1 |
| 244337 | Platform, 16", DB, Specify Color | 1 |
| 244336 | Platform, 24", SM, Specify Color | 1 |
| 244338 | Platform, 24", DB, Specify Color | 1 |
| 244330 | Small Platform GripX, Black | 2 |
| **215627** | **Square Steppers Hardware Package** | 1 |
| 151421 | 3/8" x 1 1/2" FHCS w/Pin, SST | 8 |
| 100365 | 3/8" SAE Flat Washer, SST | 8 |
| 100349 | 3/8" Low Crown Cap Nut, SST | 8 |
| **121348** | **4-Hole Surface Mount Hardware Package** | 2 |
| 100322 | 1/2" Standard Hex Nut, SST. | 8 |
| 100363 | 1/2" Flat Washers, SST. | 8 |
| 100266 | 1/2" x 2 3/4" Expansion Anchors | 8 |

**SM = Surface Mount**
**DB = Direct Bury**

### Specifications

**Platform:** Weldment comprised of 3.500" (88,9 mm) O.D. x .125" (3,17 mm) wall galvanized steel tube, and 1/4" (6,35 mm) thick HRPO steel sheet. Finish: ProShield®, color specified.

**GripX:** .750" (19,05 mm) Thick Permalene®, black in color.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

### Installation Instructions

1) Attach small GripX platforms to platforms, as shown.

Specifications are subject to change without notice.

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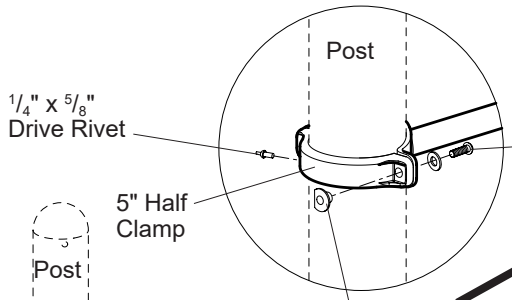
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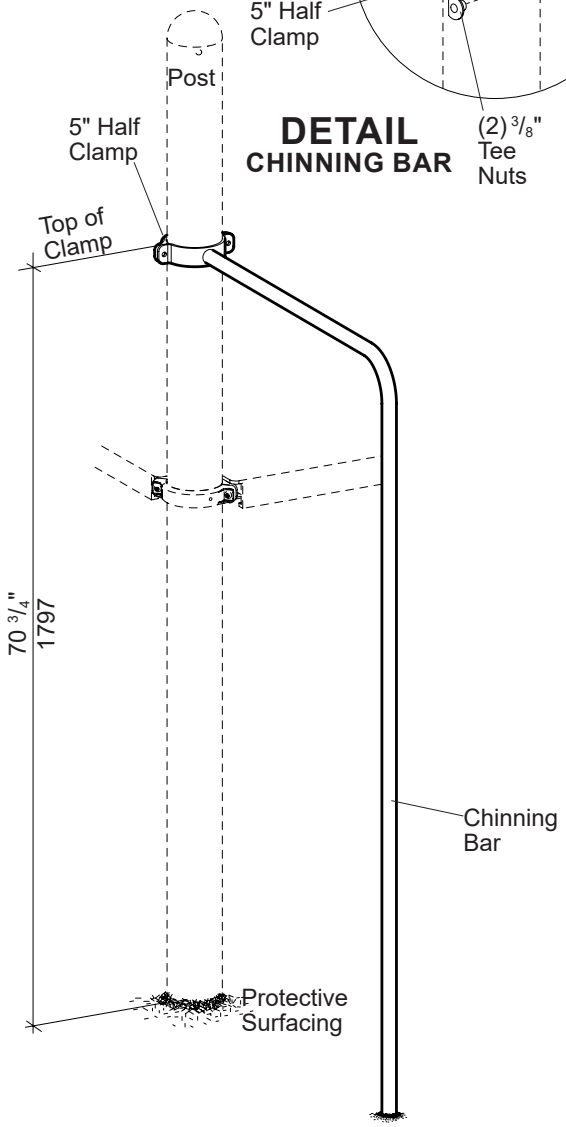
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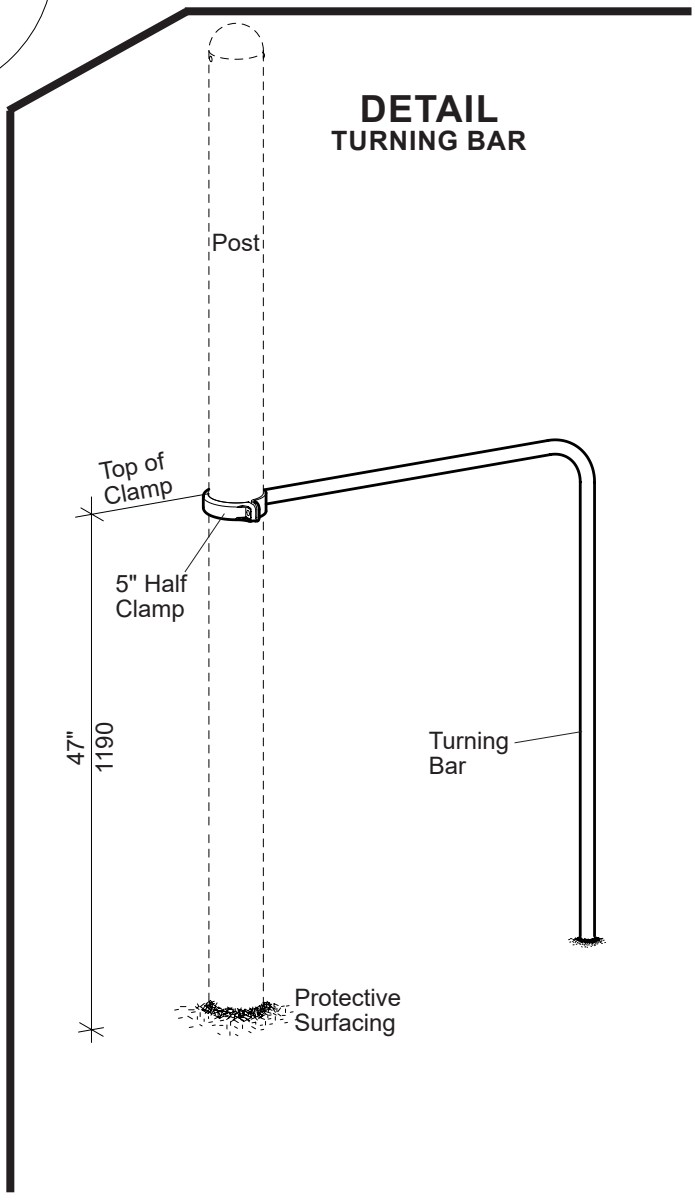
## DETAIL
### CHINNING/TURNING BAR ATTACHMENT




## DETAIL
### CHINNING BAR




## DETAIL
### TURNING BAR




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# Smart Play® 210739 Venti

## Chinning Bar

### Parts List

| Part# | Description | Qty. |
|---|---|---|
| 213676 | Chinning Bar, SM, Specify Color | 1 |
| 214554 | Chinning Bar, DB, Specify Color | 1 |
| 105327 | 5" Half Clamp, Specify Color | 1 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 1 |
| **215619** | **Chinning/Turning Bar Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 2 |
| 100351 | 3/8" Tee Nut, SST. | 2 |
| 100365 | 3/8" SAE Flat Washers, SST. | 2 |
| **111392** | **2-Hole Surface Mount Hardware Package** | 1 |
| 100322 | 1/2" Standard Hex Nuts, SST. | 2 |
| 100363 | 1/2" Flat Washers, SST. | 2 |
| 100266 | 1/2" x 2 3/4" Expansion Anchors | 2 |

**DB = Direct Bury**
**SM = Surface Mount**

### Specifications

**Chinning Bar:** Weldment comprised of 1.315" (42,16 mm) O.D. RS20 (.080" - .090") (3,05 mm-3,30 mm) wall galvanized steel tubing and 7 Ga. (4,54 mm) HRPO sheet steel. ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

### Installation Instructions

1) Attach chinning bar to post, as shown.

## Turning Bar

### Parts List

| Part# | Description | Qty. |
|---|---|---|
| 213677 | Turning Bar, SM, Specify Color | 1 |
| 214549 | Turning Bar, DB, Specify Color | 1 |
| 105327 | 5" Half Clamp, Specify Color | 1 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 1 |
| **215619** | **Chinning/Turning Bar Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 2 |
| 100351 | 3/8" Tee Nut, SST. | 2 |
| 100365 | 3/8" SAE Flat Washers, SST. | 2 |
| **111392** | **2-Hole Surface Mount Hardware Package** | 1 |
| 100322 | 1/2" Standard Hex Nuts, SST. | 2 |
| 100363 | 1/2" Flat Washers, SST. | 2 |
| 100266 | 1/2" x 2 3/4" Expansion Anchors | 2 |

**DB = Direct Bury**
**SM = Surface Mount**

### Specifications

**Turning Bar:** Weldment comprised of 1.315" (42,16 mm) O.D. RS20 (.080" - .090") (3,05 mm-3,30 mm) wall galvanized steel tubing and 7 Ga. (4,54 mm) HRPO sheet steel. ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

### Installation Instructions

1) Attach turning bar to post, as shown.

Specifications are subject to change without notice.

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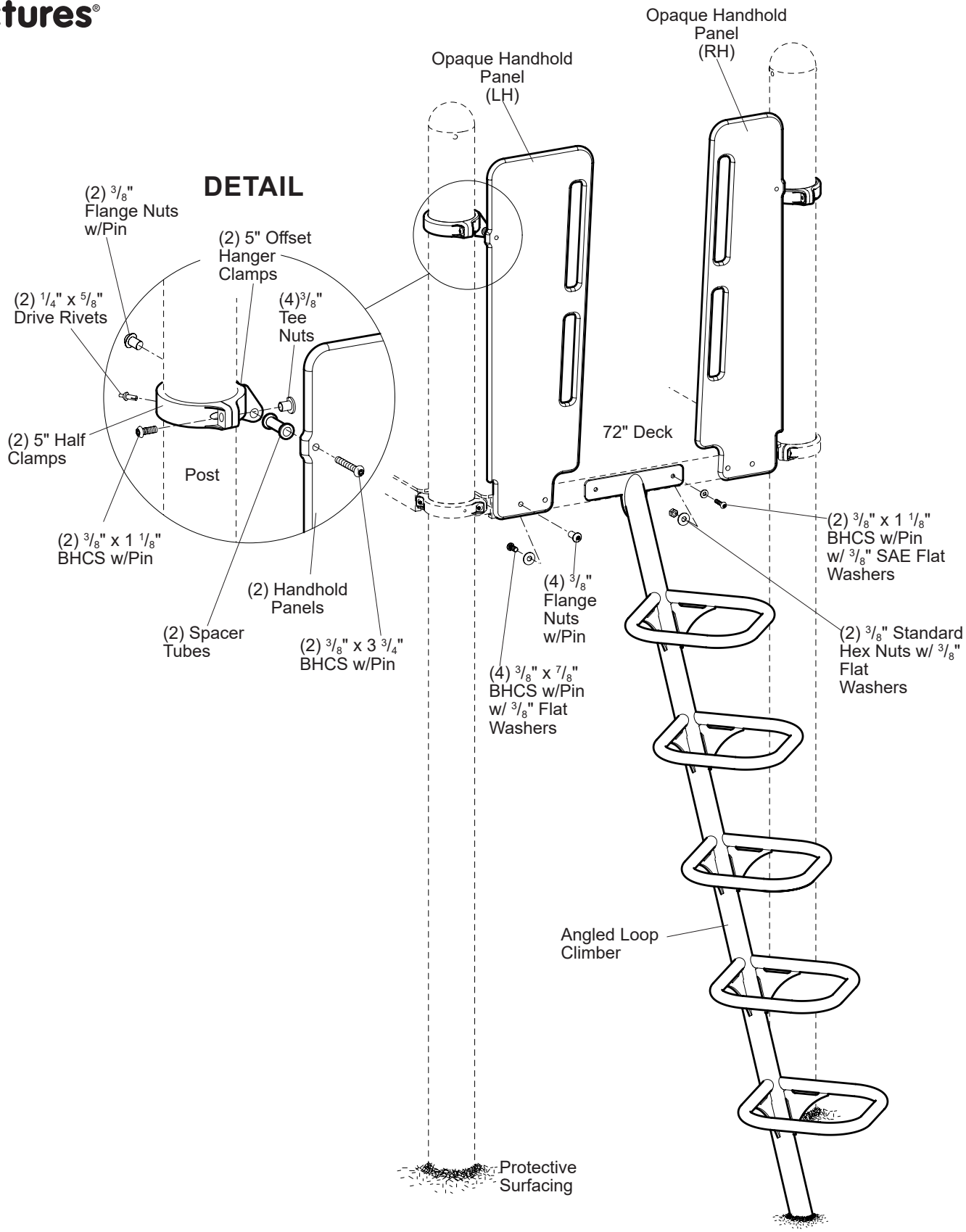
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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# Angled Loop Climber

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 212666 | Opaque Handhold, RH | 1 |
| 212667 | Opaque Handhold, LH | 1 |
| 212682 | Angled Loop Climber, (SM), Specify Color | 1 |
| 212996 | Angled Loop Climber, (DB), Specify Color | 1 |
| 105327 | 5" Half Clamp, Specify Color | 2 |
| 113729 | 5" Offset Hanger Clamp, Specify Color | 2 |
| 113468 | 7/8" O.D. x 1 11/16" AL. Spacer Tube, Specify Color | 2 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 2 |
| **215629** | **Angled Loop Climber Hardware Package** | 1 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 6 |
| 100351 | 3/8" Tee Nut, SST | 4 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 4 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 6 |
| 100365 | 3/8" SAE Flat Washer, SST | 2 |
| 124460 | 3/8" x 3 3/4" BHCS w/Pin, SST | 2 |
| 100327 | 3/8" Standard Hex Nut, SST | 2 |
| 100362 | 3/8" Flat Washer, SST | 6 |
| **111392** | **2-Hole Surface Mount Hardware Package** | 1 |
| 100322 | 1/2" Standard Hex Nut, SST. | 2 |
| 100363 | 1/2" Flat Washers, SST. | 2 |
| 100266 | 1/2" x 2 3/4" Expansion Anchors | 2 |

**LH = Left Hand**
**RH = Right Hand**
**SM = Surface Mount**
**DB = Direct Bury**

## Specifications

**Opaque Handhold:** Permalene® Natural in color.

**Angled Loop Climber:** Weldment comprised of 2.375" (60,32 mm) O.D. x .095" - .105" (2,41 mm-2,66 mm) wall RS20 galvanized steel tube, 1.315" (33,40 mm) O.D. x .080" - .090" (2,03 mm-2,28 mm) wall RS20 galvanized steel tube, and 1/4" (6,35 mm) thick HRPO steel sheet. Finish: ProShield, color specified.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach angled loop climber to deck, as shown.
2) Attach handhold panels to deck.
3) Attach handhold panels to posts.

Specifications are subject to change without notice.

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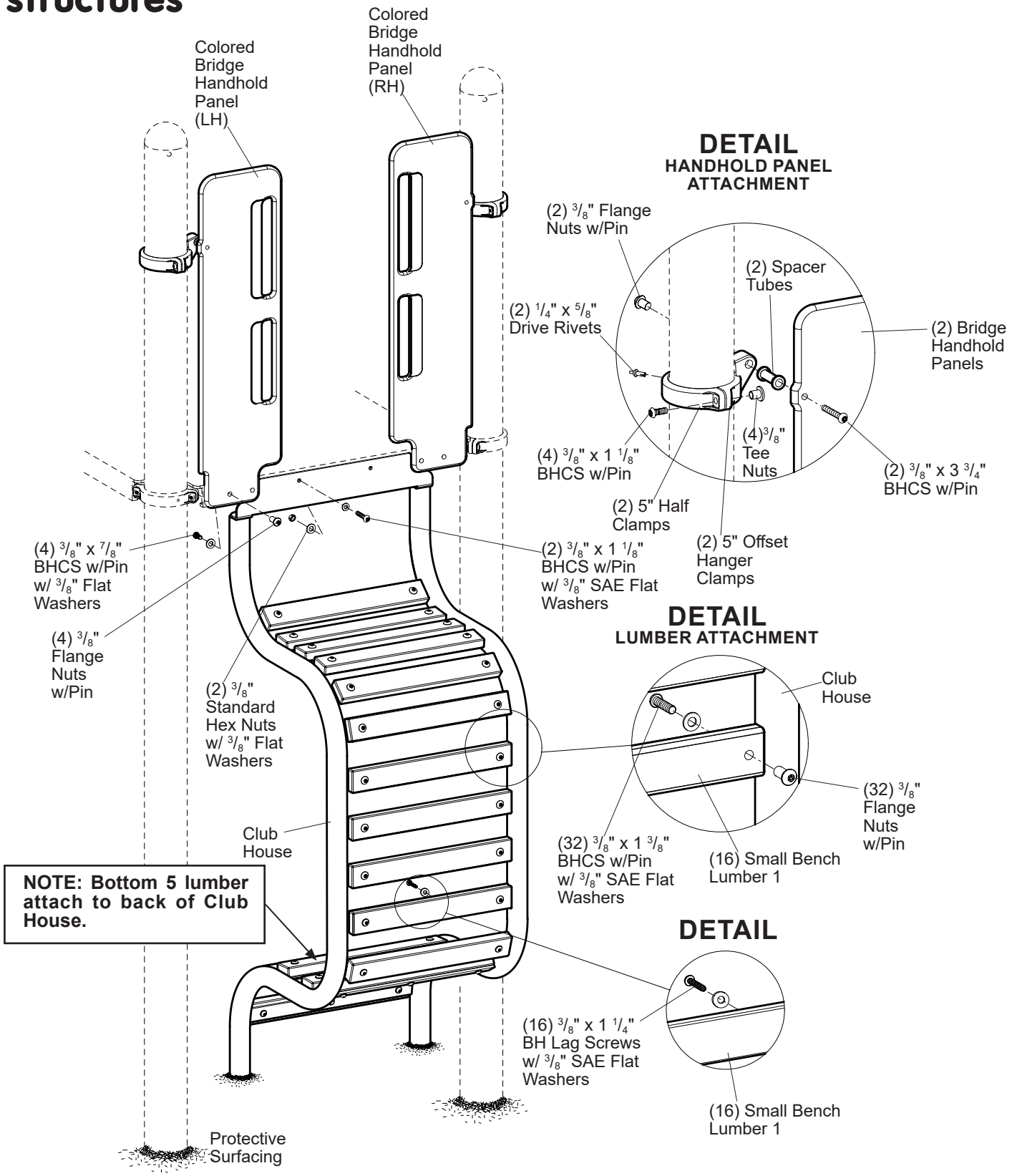
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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**NOTE: Bottom 5 lumber attach to back of Club House.**




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# Smart Play® 210739 Venti

## Cabin Climber

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 212744 | Colored Bridge Handhold, RH, Specify Color | 1 |
| 212745 | Colored Bridge Handhold, LH, Specify Color | 1 |
| 212503 | Club House, SM, Specify Color | 1 |
| 212989 | Club House, DB, Specify Color | 1 |
| 212672 | Small Bench Lumber 1, Mink | 16 |
| 105327 | 5" Half Clamp, Specify Color | 2 |
| 113729 | 5" Offset Hanger Clamp, Specify Color | 2 |
| 113468 | 7/8" O.D. x 1 11/16" AL. Spacer Tube, Specify Color | 2 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 2 |
| **215630** | **Cabin Climber Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 4 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 6 |
| 113027 | 3/8" x 1 3/8" BHCS w/Pin, SST | 32 |
| 100351 | 3/8" Tee Nut, SST | 4 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 38 |
| 100362 | 3/8" Flat Washers, SST | 6 |
| 100365 | 3/8" SAE Flat Washer, SST | 50 |
| 100327 | 3/8" Standard Hex Nut, SST | 2 |
| 124460 | 3/8" x 3 3/4" BHCS w/Pin Limited Thread, SST | 2 |
| 205152 | 3/8" x 1 1/4" BH Lag Screw, SST | 16 |
| **112578** | **3-Hole Surface Mount Hardware Package** | 2 |
| 100327 | 3/8" Standard Hex Nut, SST. | 6 |
| 100365 | 3/8" SAE Flat Washers, SST. | 6 |
| 100263 | 3/8" x 2 3/4" Expansion Anchors | 6 |

**LH = Left Hand**
**RH = Right Hand**
**SM = Surface Mount**
**DB = Direct Bury**

## Specifications

**Handholds:** Recycled Permalene®, color specified.

**Club House:** Weldment comprised of 2.375" (60,32 mm) O.D. x .130" - .140" (3,30 mm-3,55 mm) wall RS40 galvanized steel tube, and 1/4" (6,35 mm) thick HRPO steel sheet. Finish: ProShield, color specified.

**Lumber:** Recycled high density polyethylene, mink in color.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach lumber to club house. Refer to the Lumber Attachment Detail.
2) Attach club house to deck.
3) Attach handhold panels to deck.
4) Attach handhold panels to posts. Refer to the Handhold Panel Attachment Detail.

Specifications are subject to change without notice.

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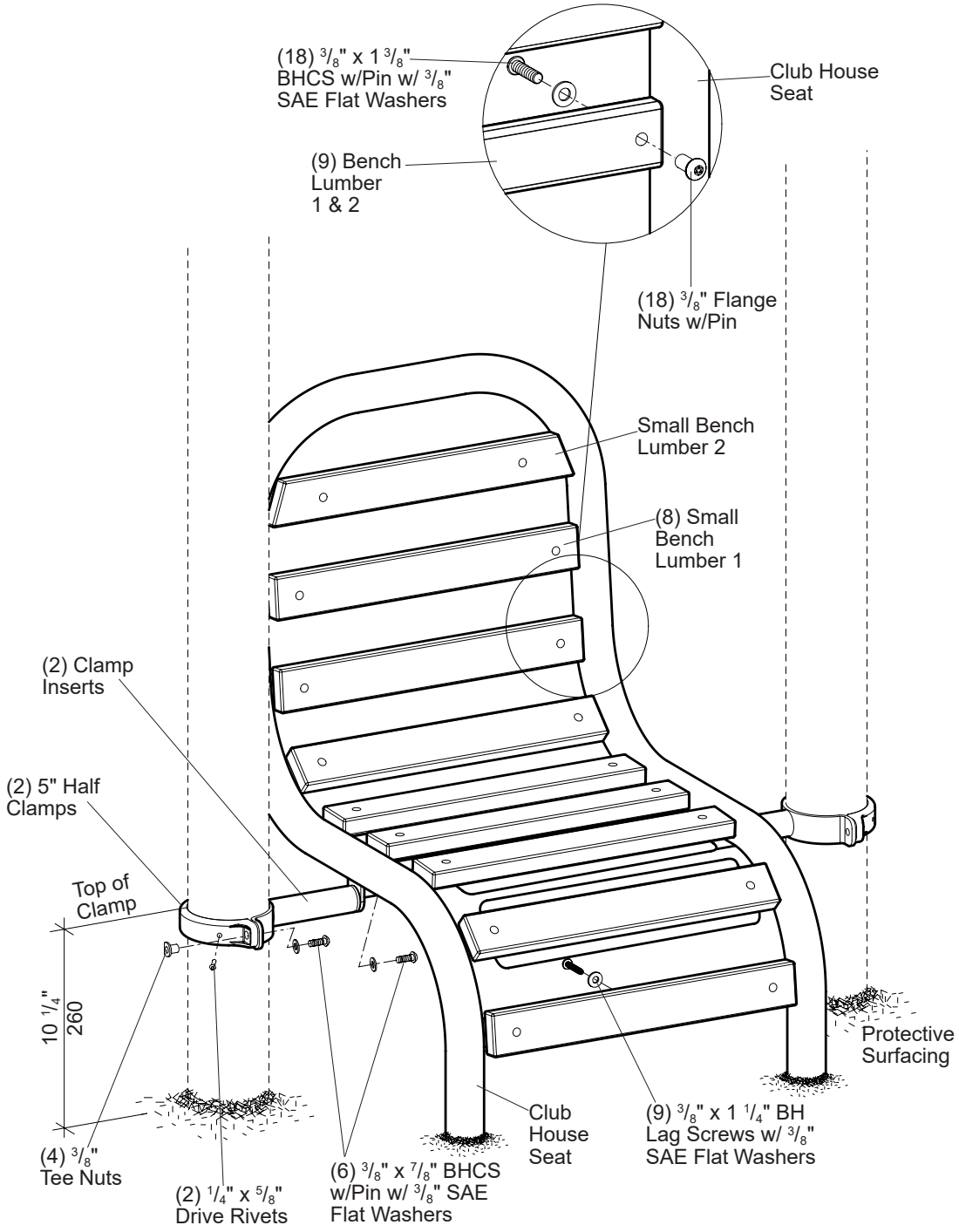
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

# DETAIL
## LUMBER ATTACHMENT







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# Smart Play® 210739 Venti

## Cabin Seating Area

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 212672 | Small Bench Lumber 1, Mink | 8 |
| 212726 | Small Bench Lumber 2, Mink | 1 |
| 212520 | Club House Seat, SM, Specify Color | 1 |
| 212988 | Club House Seat, DB, Specify Color | 1 |
| 212523 | Clamp Insert, PB, Specify Color | 2 |
| 105327 | 5" Half Clamp, Specify Color | 2 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 2 |
| **215625** | **Cabin Seating Area Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 6 |
| 113027 | 3/8" x 1 3/8" BHCS w/Pin, SST | 18 |
| 100351 | 3/8" Tee Nut, SST | 4 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 18 |
| 100365 | 3/8" SAE Flat Washer, SST | 33 |
| 205152 | 3/8" x 1 1/4" BH Lag Screw, SST | 9 |
| **112578** | **3-Hole Surface Mount Hardware Package** | 2 |
| 100327 | 3/8" Standard Hex Nut, SST. | 6 |
| 100365 | 3/8" SAE Flat Washers, SST. | 6 |
| 100263 | 3/8" x 2 3/4" Expansion Anchors | 6 |

**SM = Surface Mount**
**DB = Direct Bury**

## Specifications

**Club House Seat:** Weldment comprised of 2.375" (60,32 mm) O.D. x .130" - .140" (3,30 mm-3,55 mm) wall RS40 galvanized steel tube, and 1/4" (6,35 mm) thick HRPO steel sheet. Finish: ProShield, color specified.

**Lumber:** Recycled high density polyethylene, mink in color.

**Clamp Insert:** Weldment comprised of 1.125" (28,57 mm) O.D. x 11 GA (.120") (3,04 mm) steel tubing with 203 or 303 stainless steel inserts, with 3/8" (9,52 mm) internal thread and 1/4" (6,35 mm) HRPO steel plate. Finish: ProShield®, color specified.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach lumber to club house seat.

2) Attach club house seat to posts at height shown.

Specifications are subject to change without notice.

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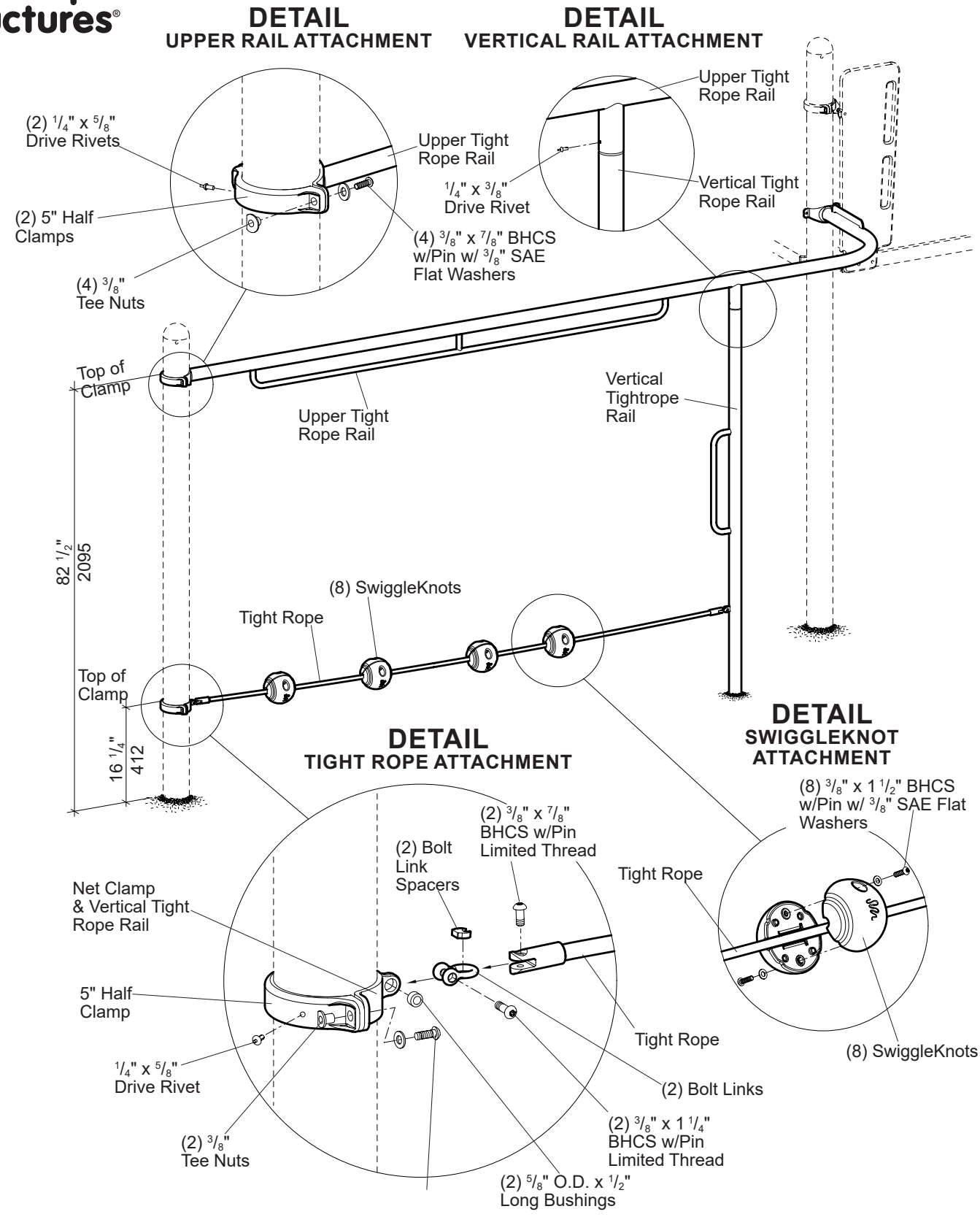
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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# Smart Play® 210739 Venti

## Tight Rope

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 212482 | Upper Tight Rope Rail, Specify Color | 1 |
| 213675 | Vertical Tight Rope Rail, SM, Specify Color | 1 |
| 213698 | Vertical Tight Rope Rail, DB, Specify Color | 1 |
| 212587 | Tight Rope, Black | 1 |
| 192748 | Cable Ball Knot (Half), Specify Color | 8 |
| 161898 | Net Clamp, Specify Color | 1 |
| 105327 | 5" Half Clamp, Specify Color | 3 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 3 |
| **215626** | **Tight Rope Hardware Package** | 1 |
| 156962 | 5/8" O.D. x 1/2" Long Bushing, SST | 2 |
| 100290 | 3/8" x 7/8" BHCS w/Pin Limited Thread, SST | 2 |
| 100171 | 3/8" x 1 1/2" BHCS w/Pin, SST | 8 |
| 100365 | 3/8" SAE Flat Washer, SST | 14 |
| 138915 | Bolt Link, SST, | 2 |
| 100292 | 3/8" x 1 1/4" BHCS w/Pin Limited Thread, SST | 2 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 6 |
| 100351 | 3/8" Tee Nut, SST | 6 |
| 100611 | 1/4" x 3/8" Drive Rivet, AL./SST. | 1 |
| 196319 | Bolt Link Spacer, Aluminum | 2 |
| **112578** | **3-Hole Surface Mount Hardware Package** | 1 |
| 100327 | 3/8" Standard Hex Nut, SST. | 3 |
| 100365 | 3/8" SAE Flat Washers, SST. | 3 |
| 100263 | 3/8" x 2 3/4" Expansion Anchors | 3 |

**SM = Surface Mount**
**DB = Direct Bury**

## Specifications

**Vertical Rail:** Weldment comprised of 2.375" (60,32 mm) O.D. x .130" - .140" (3,30 mm-3,55 mm) wall RS40 galvanized steel tube, 1.029" (26,13 mm) O.D. x .070" - .080" (1,77 mm-2,03 mm) wall RS20 galvanized steel tube and 3/8" (9,52 mm) thick stainless steel sheet. Finish: ProShield, color specified.

**Upper Rail:** Weldment comprised of 2.375" (60,32 mm) O.D. x .130" - .140" (3,30 mm-3,55 mm) wall RS40 galvanized steel tube, 1.029" (26,13 mm) O.D. x .070" - .080" (1,77 mm-2,03 mm) wall RS20 galvanized steel tube and 1/4" (6,35 mm) thick HRPO steel sheet. Finish: ProShield, color specified.

**Tight Rope:** Made of tightly woven polyester-wrapped, six-stranded galvanized-steel cable with a polypropylene core, black in color. **(Connectors)** 6063-T6 aluminum.

**Net Clamp:** Weldment comprised of 1/4" (6,35 mm) x 1 3/4" (44,45 mm) HRPO flat steel and .375" (9,53 mm) stainless steel sheet. Finish: ProShield, color specified.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Insert vertical tight rope rail into upper tight rope rail stub. Attach upper tight rope rail to posts at height shown. Refer to the Upper Rail Attachment Detail.

2) Attach tight rope to post and vertical tight rope rail at height shown. Refer to the Tight Rope Attachment Detail.

3) With vertical tight rope rail hand loop in-line with tight rope cable, drill through upper tight rope rail stub and into vertical tight rope rail with a 1/4" or "F" (only) drill bit, insert drive rivet in hole through stub and into rail. Hammer drive rivet pin in until flush with head.

4) Attach swiggleknots to tight rope cable. Refer to the Swiggleknot Attachment Detail.

Specifications are subject to change without notice.

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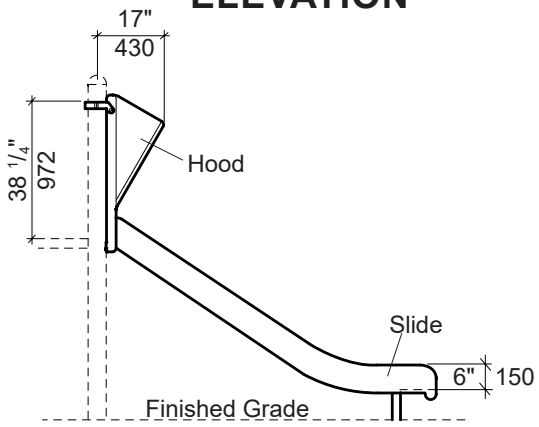
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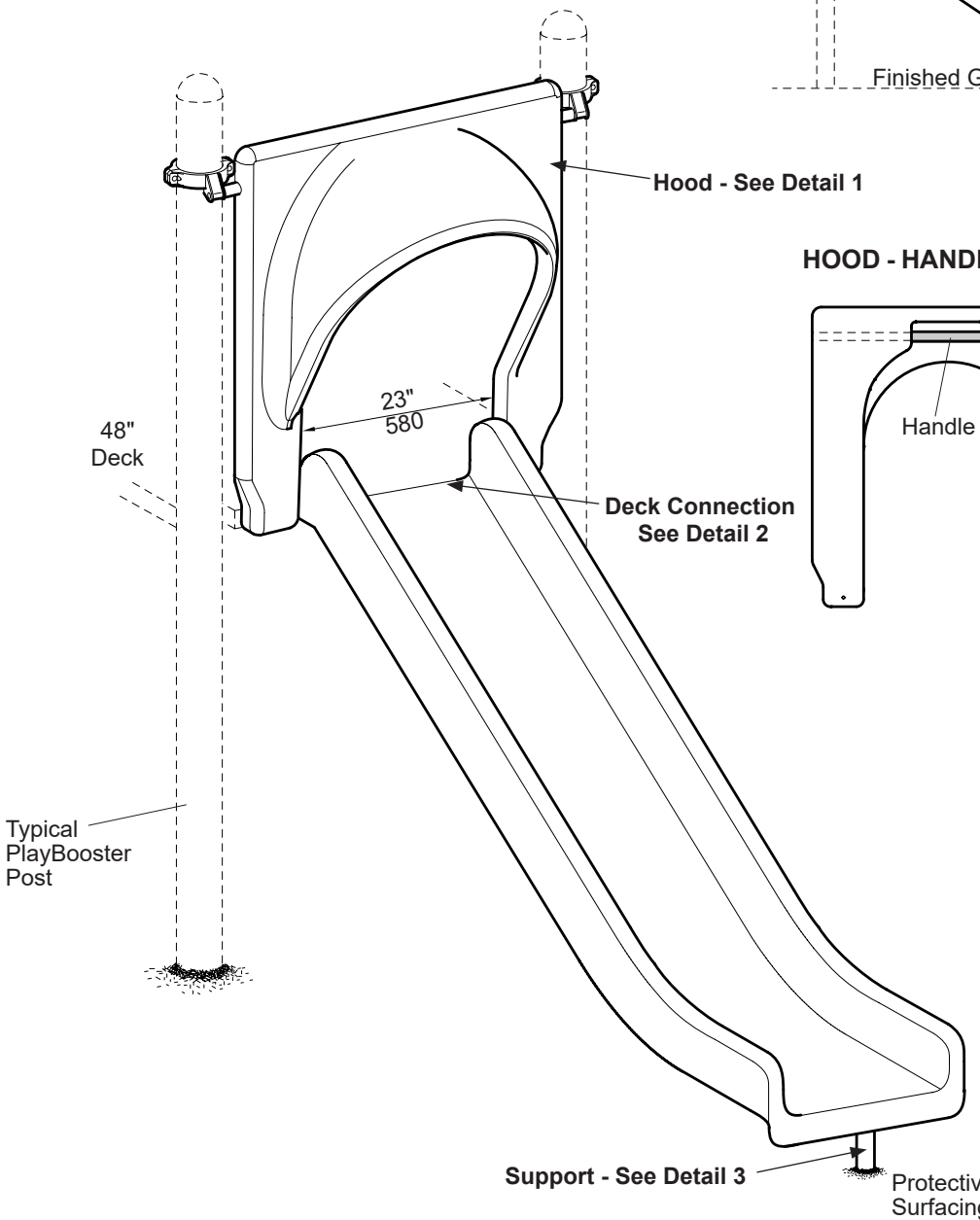
**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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## ELEVATION




### HOOD - HANDLE DETAIL




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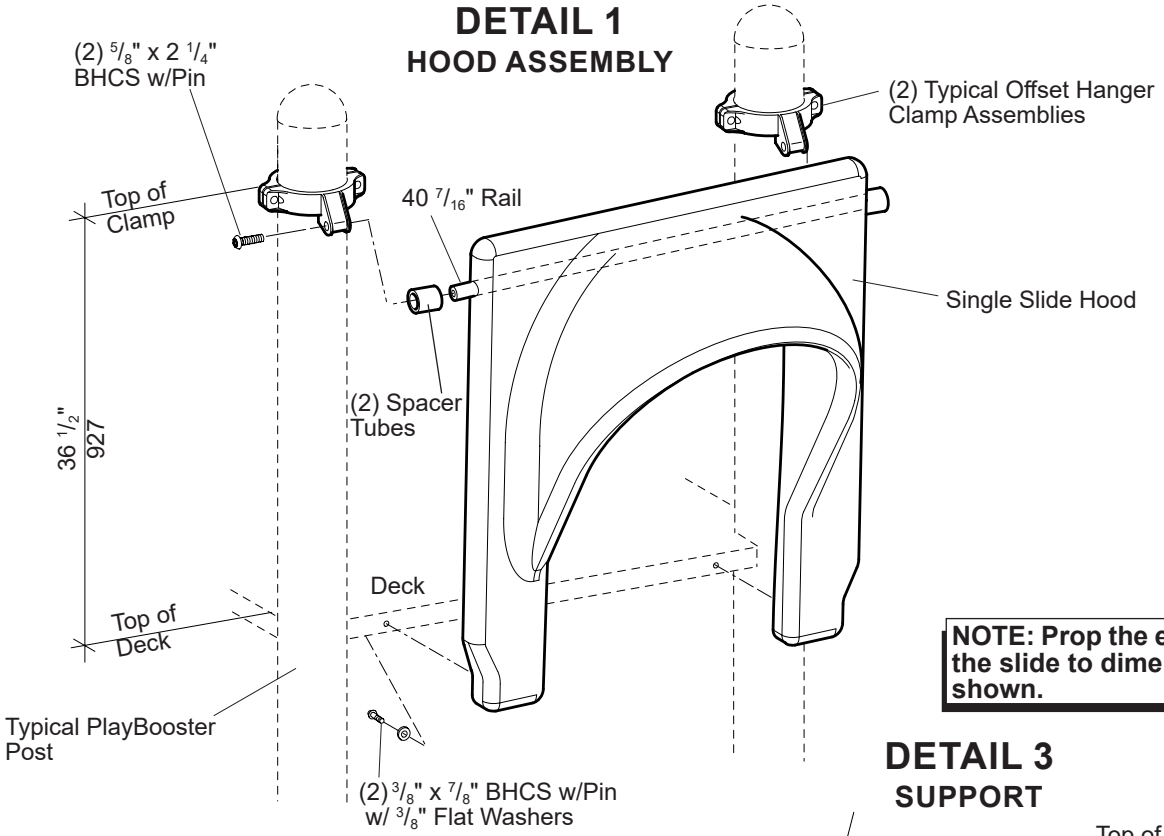
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**SAFETY NOTE**

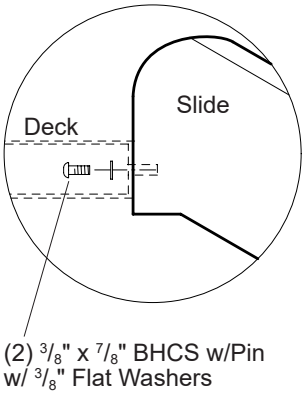
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## DETAIL 1
### HOOD ASSEMBLY

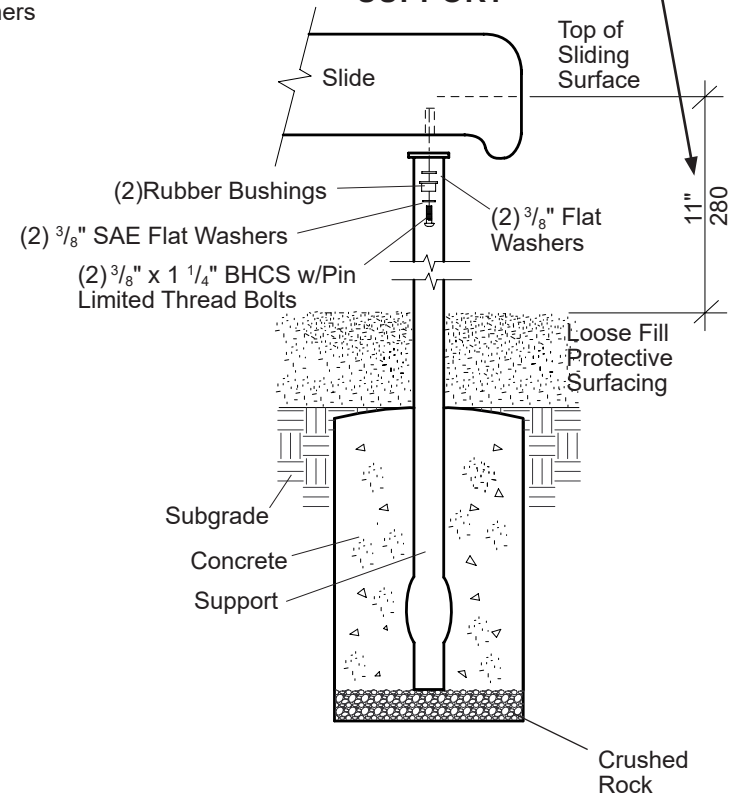



## DETAIL 2
### DECK CONNECTION




**NOTE: Prop the end of the slide to dimension shown.**

## DETAIL 3
### SUPPORT




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# Single Slide

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 127162 | Single Slide, Specify Color | 1 |
| 150941 | Support, (DB), Specify Color | 1 |
| 151003 | Support, 48" Deck (SM), Specify Color | 1 |
| 134180 | Single Slide Hood, Specify Color | 1 |
| 100583 | 40 7/16" Rail, Specify Color | 1 |
| 105327 | 5" Half Clamp, Specify Color | 2 |
| 113729 | Offset Hanger Clamp, Specify Color | 2 |
| 132443 | Spacer Tube, Specify Color | 2 |
| **111506** | **Slide Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 2 |
| 100362 | 3/8" Flat Washer, SST | 4 |
| 100292 | 3/8" x 1 1/4" BHCS w/Pin Ltd. Thread Bolt, SST | 2 |
| 100365 | 3/8" SAE Flat washer, SST | 2 |
| 111442 | Rubber Bushing | 2 |
| **106578** | **Hood Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 2 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 4 |
| 100203 | 5/8" x 2 1/4" BHCS w/Pin, SST | 2 |
| 100351 | 3/8" Tee Nut, SST | 4 |
| 100362 | 3/8" Flat Washer, SST | 2 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 2 |
| **111392** | **2-Hole (SM) Hardware Package** | 1 |
| 100266 | 1/2" x 2 3/4" Expansion Anchor | 2 |
| 100322 | 1/2" Standard Hex Nut, SST | 2 |
| 100363 | 1/2" Flat Washer, SST | 2 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**Slide:** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

**Exit Support:** Weldment comprised of 2.375" (60,32 mm) O.D. RS20 (.095"-.105")(2,41 mm-2,66 mm) galvanized steel tubing and 1/4" (6,35 mm) x 3" (76,2 mm) mounting plate. Finish: ProShield®, color specified.

**Spacer Tube:** Fabricated from 1.312 (33,33 mm) O.D. x 16 Ga. (.065) (1,65 mm) steel tubing. Finish: ProShield, color specified.

**Hood:** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

**Rail:** Extruded from 1.125" (28,57 mm) O.D. x .312" (7,92 mm)W. 6005-T5 aluminum. Finish: ProShield, color specified.

**Offset Hanger Clamp Assembly:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

Specifications are subject to change without notice.

## Installation Instructions

1) Insert 40 7/16" rail through top of hood, place spacer tubes over each end of the 40 7/16" rail. Attach offset hanger clamps to ends of pipe bolt. Position hood against face of deck with offset hanger clamps against posts. Line up holes in face of deck with inserts in bottom of hood and fasten. Refer to Detail 1. Attach offset hanger clamps to posts.

2) Attach support to base of slide. **NOTE:** *Attach bolts in the center of the slots to allow for expansion and contraction. Snug bolts down only, do not over-tighten. Refer to Detail 3.*

3) Attach slide to the face of the deck. Refer to Detail 2.

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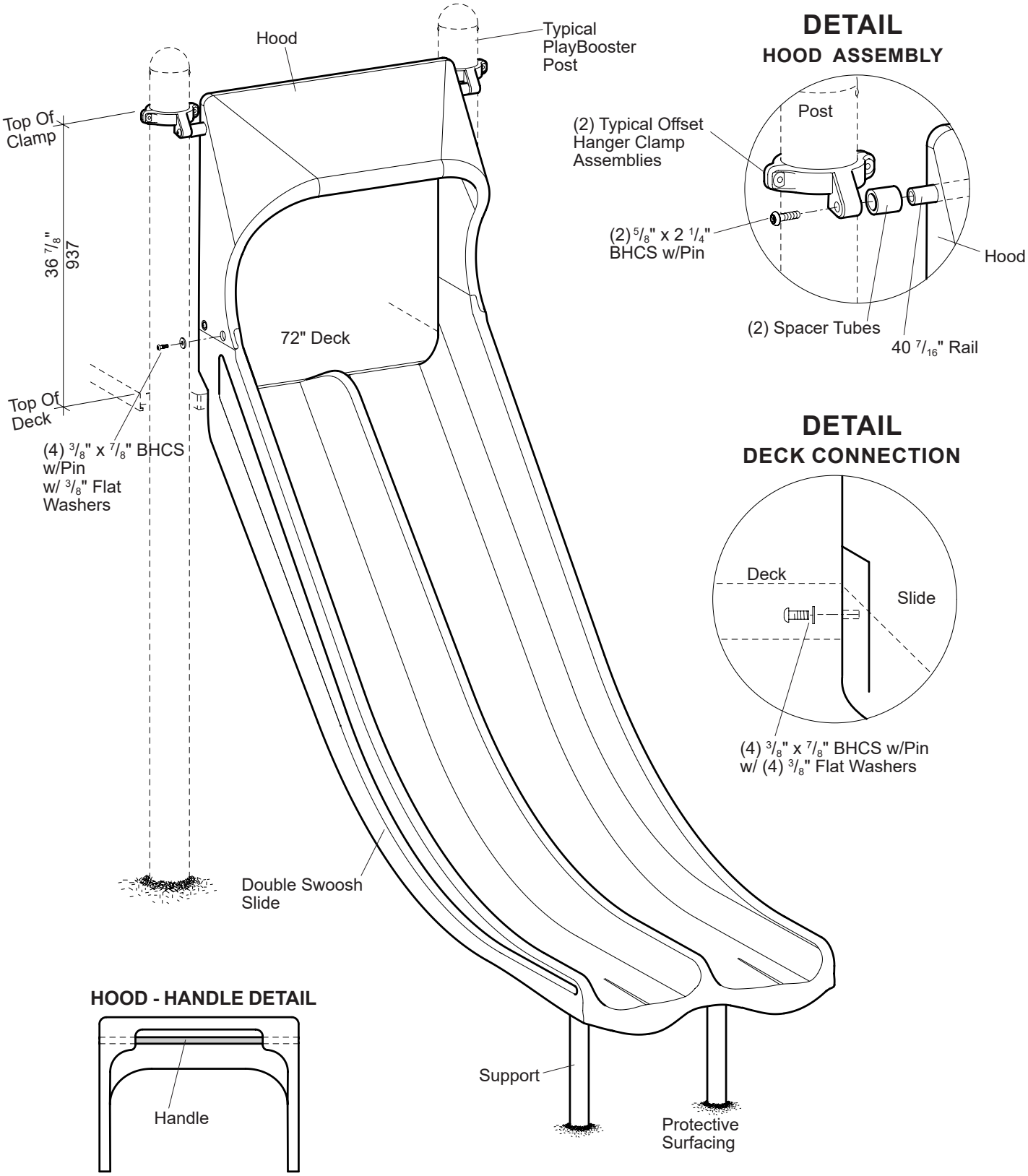
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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## DETAIL
### HOOD ASSEMBLY




## DETAIL
### DECK CONNECTION




### HOOD - HANDLE DETAIL




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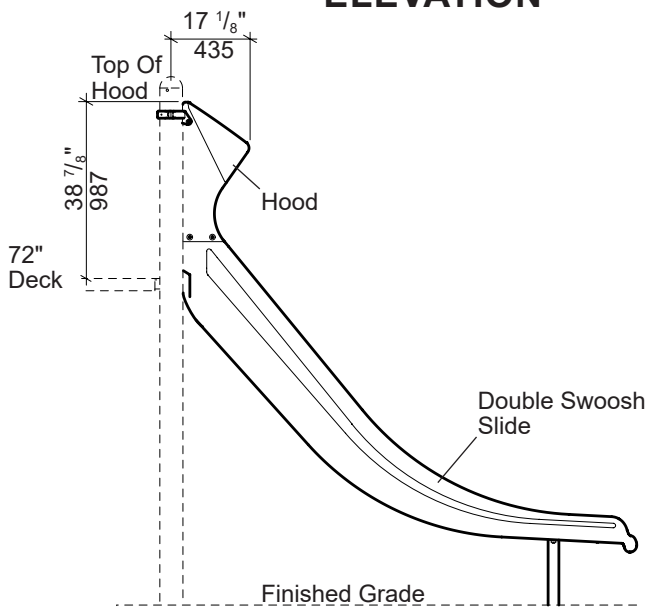
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

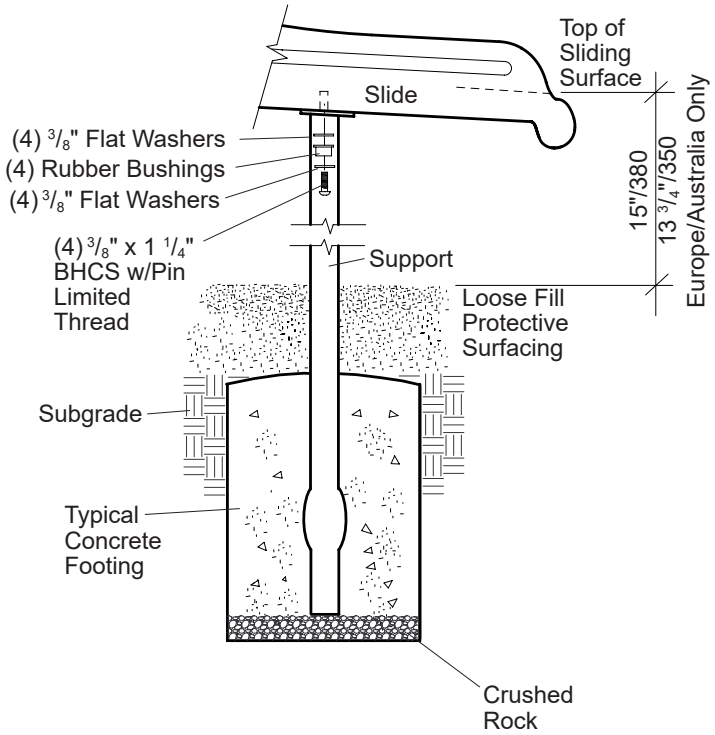
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## ELEVATION




## DETAIL

### SUPPORT ATTACHMENT




**NOTE: Prop the end of the slide to dimension shown.**




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# Smart Play® 210739 Venti

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## Double Swoosh Slide

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 128823 | Double Swoosh Slide, 64"/72", Specify Color | 1 |
| 128777 | Slide Hood, Specify Color | 1 |
| 100583 | 40 7/16" Aluminum Rail, Specify Color | 1 |
| 132443 | Spacer Tube, Specify Color | 2 |
| 105327 | 5" Half Clamp, Specify Color | 2 |
| 113729 | Offset Hanger Clamp, Specify Color | 2 |
| 100610 | 1/4" x 5/8" Drive Rivet AL/SST | 2 |
| 150941 | Support (DB), Specify Color | 2 |
| 151022 | Support 72" Deck (SM), Specify Color | 2 |
| **264735** | **Double Swoosh Slide Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 8 |
| 100203 | 5/8" x 2 1/4" BHCS w/Pin, SST | 2 |
| 100292 | 3/8" x 1 1/4" BHCS w/Pin Ltd. Thread Bolt, SST | 4 |
| 100351 | 3/8" Tee Nut, SST | 4 |
| 100362 | 3/8" Flat Washer, SST | 16 |
| 111442 | Rubber Bushing | 4 |
| 100198 | ⅜" x 1 ⅛" BHCS w/Pin, SST | 4 |
| **121348** | **4 Hole (SM) Hardware Package** | 1 |
| 100266 | 1/2" x 2 3/4" Expansion Anchor | 4 |
| 100322 | 1/2" Standard Hex Nut, SST | 4 |
| 100363 | 1/2" Flat Washer, SST | 4 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**Slide:** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

**Spacer Tube:** Fabricated from 1.312 (33,32 mm) O.D. x 16 Ga. (.065) (1,65 mm) steel tubing. Finish: ProShield®, color specified.

**Hood:** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

**Rail:** Extruded from 1.125" (28,57 mm) O.D. x .312" (7,92 mm) W. 6005-T5 aluminum. Finish: ProShield, color specified.

**Support:** Weldment comprised of 2.375" (60,32 mm) O.D. RS20 (.095"-.105")(2,41 mm-2,66 mm) galvanized steel tubing and 1/4" (6,35 mm) x 3" (76,2 mm) mounting plate. Finish: ProShield®, color specified.

**Offset Hanger Clamp Assembly:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach the supports to the slide. Refer to the Support Attachment Detail.
2) Attach the slide to the face of the deck. Refer to the Deck Connection Detail.
3) Attach the slide hood to the slide.
4) Insert 40 7/16" rail through top of hood, place spacer tubes over each end of the 40 7/16" rail and attach to posts at height shown using offset hanger clamp assemblies. Refer to the Hood Assembly Detail.

Specifications are subject to change without notice.

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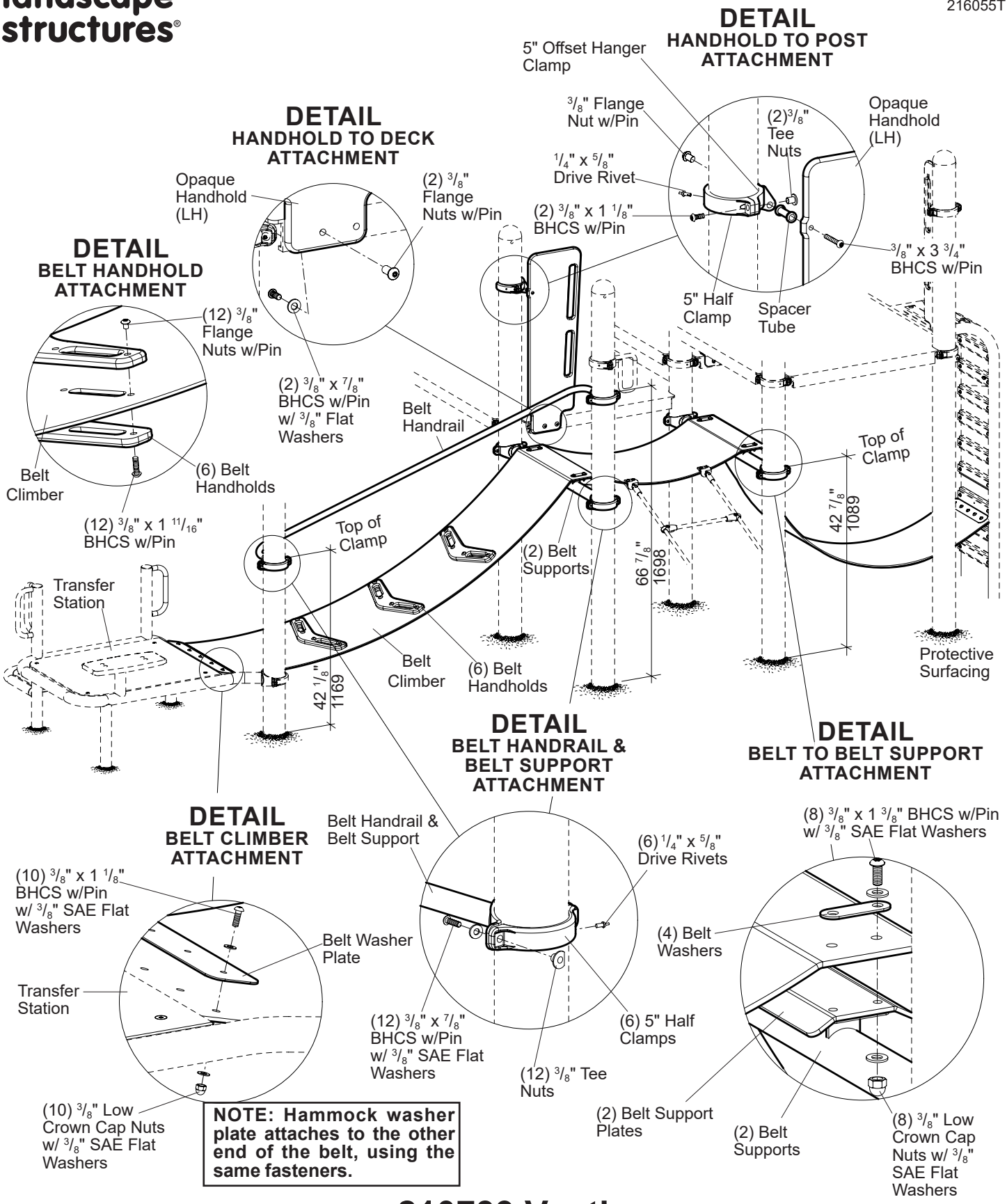
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

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Document #31189900

# Smart Play® 210739 Venti

## Belt Bridge/Hammock

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 249784 | Belt Climber, Black | 1 |
| 212300 | Belt Support Plate, Specify Color | 2 |
| 212299 | Belt Support, Specify Color | 2 |
| 212967 | Belt Handhold, Specify Color | 6 |
| 212667 | Opaque Handhold, LH | 1 |
| 214727 | Belt Handrail, Specify Color | 1 |
| 214515 | Belt Washer Plate, Specify Color | 1 |
| 214518 | Hammock Washer Plate, Specify Color | 1 |
| 215082 | Belt Washer, Specify Color | 4 |
| 105327 | 5" Half Clamp, Specify Color | 7 |
| 113729 | 5" Offset Hanger Clamp, Specify Color | 1 |
| 113468 | 7/8" O.D. x 1 11/16" Aluminum Tube, Specify Color | 1 |
| 100610 | 1/4" x 5/8" Drive Rivet, AL/SST | 7 |
| **215617** | **Belt Bridge/Hammock Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 14 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 12 |
| 113027 | 3/8" x 1 3/8" BHCS w/Pin, SST | 8 |
| 123224 | 3/8" x 1 11/16" BHCS w/Pin, SST | 12 |
| 124460 | 3/8" x 3 3/4" BHCS w/Pin, SST | 1 |
| 100351 | 3/8" Tee Nut, SST | 14 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 15 |
| 100362 | 3/8" Flat Washer, SST | 2 |
| 100365 | 3/8" SAE Flat Washer, SST | 48 |
| 100349 | 3/8" Low Crown Cap Nut, SST | 18 |

## Specifications

**Belt Handhold:** Recycled Permalene® panel, color specified.

**Opaque Handhold:** Permalene® panel, Natural in color.

**Belt Support Plate:** Made from 1/4" (6,35 mm) thick HRPO steel plate. Finish: ProShield, color specified.

**Hammock Washer Plate:** Made from 1/8" (3,17 mm) thick HRPO steel plate. Finish: ProShield, color specified.

**Belt Washer:** Made from 1/8" (3,17 mm) thick HRPO steel plate. Finish: ProShield, color specified.

**Belt Handrail:** Weldment comprised of 1.315" (33,40 mm) O.D. x .080" - .090" (2,03 mm-2,28 mm) wall RS20 galvanized steel tube and 1/4" (6,35 mm) thick HRPO steel plate. Finish: ProShield, color specified.

**Belt Support:** Weldment comprised of 2.375" (60,32 mm) O.D. x .095" - .105" (2,41 mm-2,66 mm) wall RS20 galvanized steel tube and 1/4" (6,35 mm) thick HRPO steel plate. Finish: ProShield, color specified.

**Belt Climber:** Made from .315" (8,00 mm) thick mini rough top 3-ply rubber belting with polyester fabric plys, black in color.

**Clamp:** Cast aluminum. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach belt supports to posts. Refer to the Belt Handrail & Belt Support Attachment Detail.
2) Attach belt climber to transfer station and lumber ladder. Refer to the Belt Climber Attachment Detail.
3) Attach belt climber to belt supports. Refer to the Belt to Belt Support Attachment Detail.
4) Attach belt handholds to belt climber. Refer to the Belt Handhold Attachment Detail.
5) Attach belt handrail to posts. Refer to the Belt to Belt Support Attachment Detail.
6) Attach handhold panel to deck. Refer to the Handhold to Deck Attachment Detail.
7) Attach handhold to post. Refer to the Handhold to Post Attachment Detail.

Specifications are subject to change without notice.

ECO #0102289 Document 31189900 replaces 26473800. Audit of model 210739 install, bills, vault

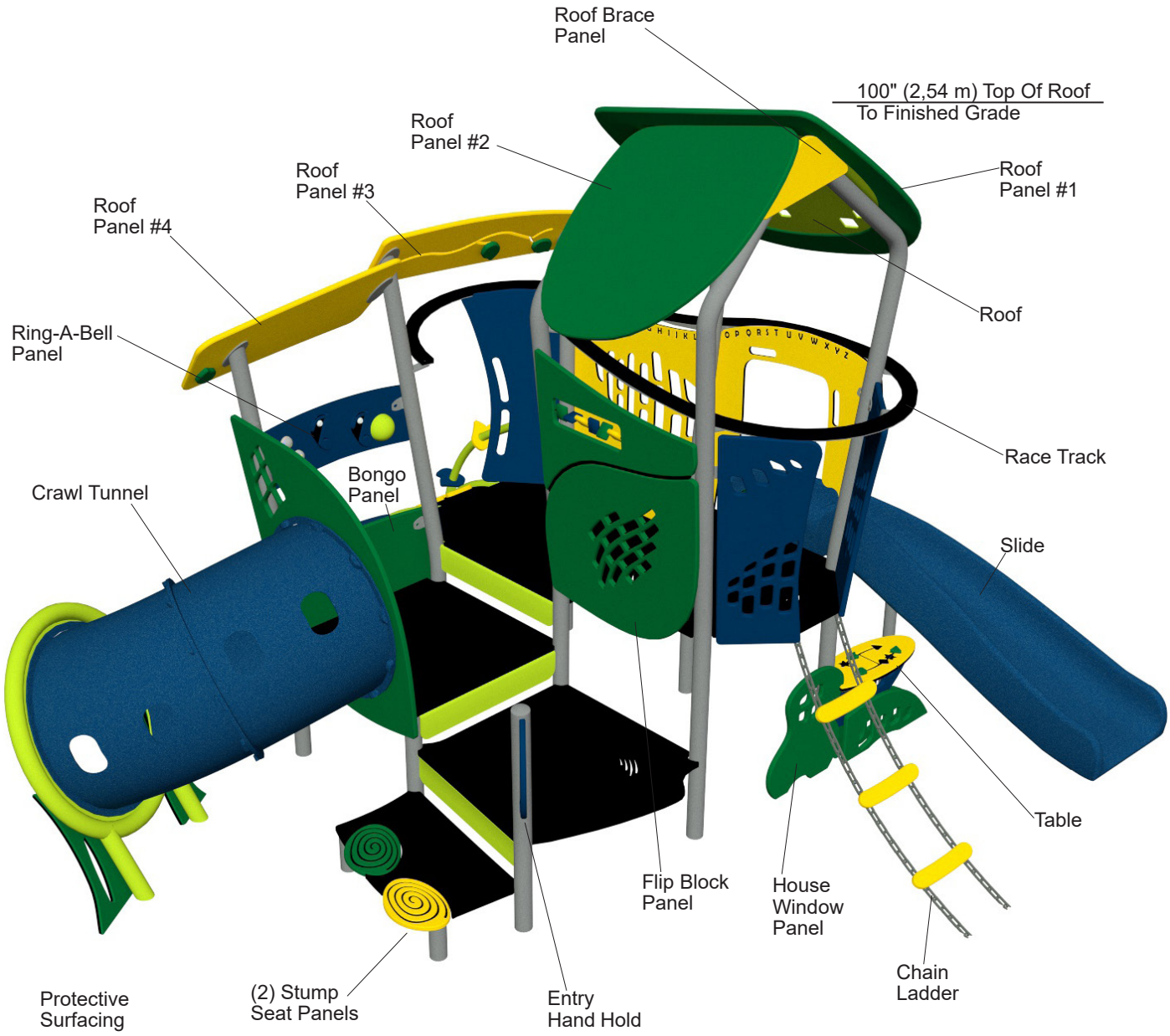
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)




# 197057 Motion

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Sheet 1

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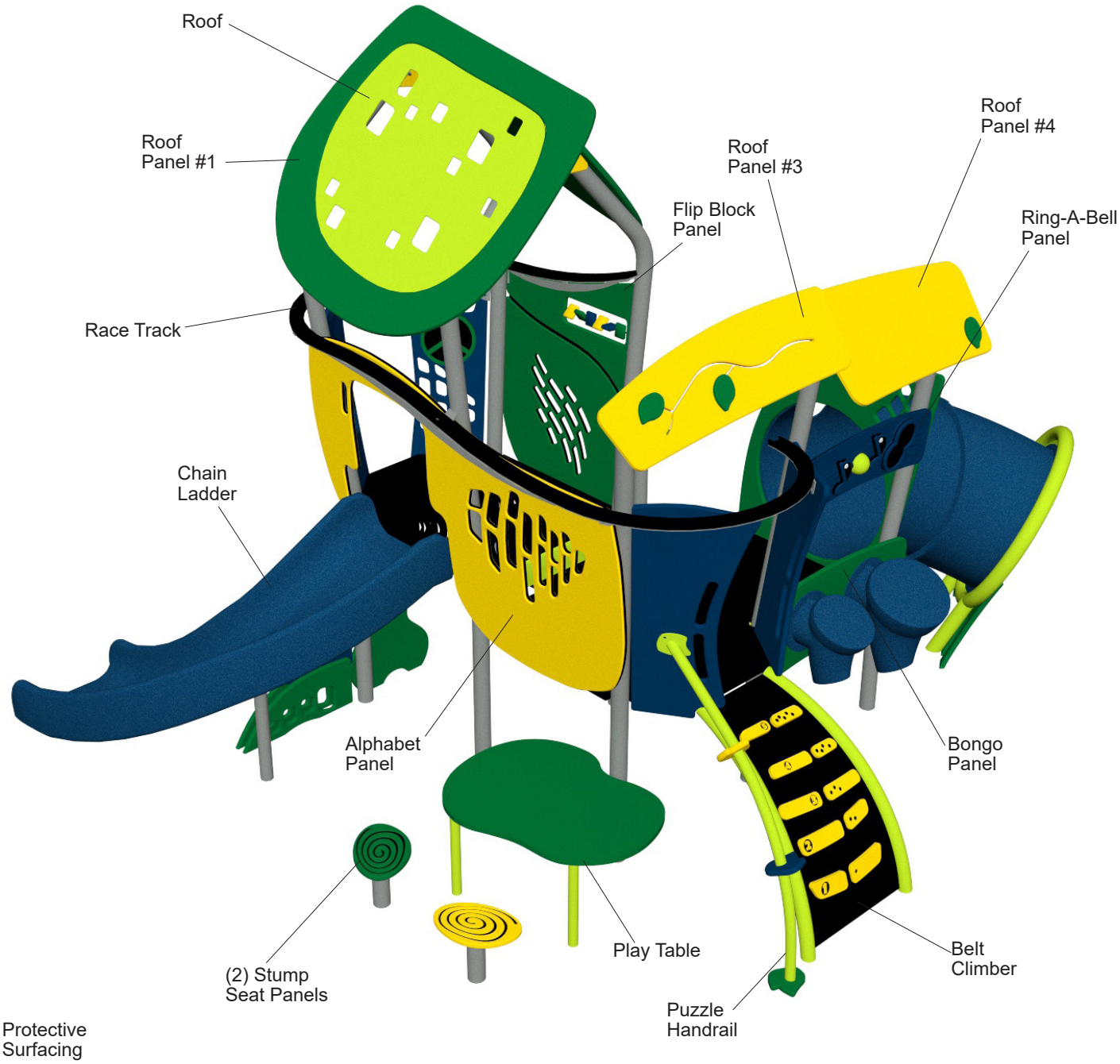
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**SAFETY NOTE**

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# 197057 Motion

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Sheet 2

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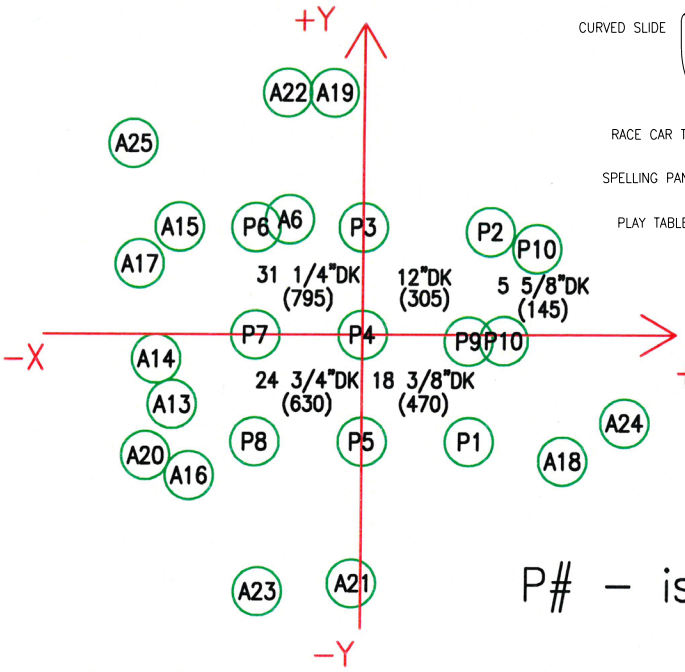
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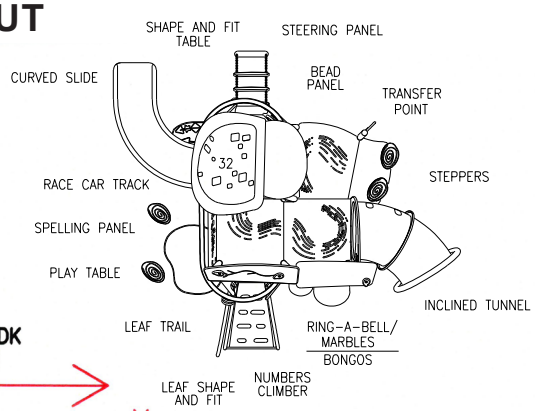
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

# PLAN VIEW /FOOTING LAYOUT




P# – is the POST Number

| N. | I.D. | X (cm) | Y (cm) | Dist. to 0 | DIA (cm) |
|---|---|---|---|---|---|
| 1 | P4 | 0 | 0 | 0 | 30 |
| 2 | P9 | 67 | -4 | 67 | 30 |
| 3 | P5 | 0 | -67 | 67 | 30 |
| 4 | P7 | -67 | 0 | 67 | 30 |
| 5 | P3 | 0 | 67 | 67 | 30 |
| 6 | A6 | -46 | 72 | 86 | 30 |
| 7 | P10 | 89 | -4 | 89 | 30 |
| 8 | P8 | -67 | -67 | 95 | 30 |
| 9 | P1 | 67 | -67 | 95 | 30 |
| 10 | P6 | -67 | 67 | 95 | 30 |
| 11 | P2 | 80 | 65 | 103 | 30 |
| 12 | P10 | 109 | 54 | 122 | 30 |
| 13 | A13 | -119 | -44 | 127 | 30 |
| 14 | A14 | -130 | -15 | 130 | 30 |
| 15 | A15 | -115 | 67 | 134 | 30 |
| 16 | A16 | -108 | -89 | 140 | 30 |
| 17 | A17 | -140 | 44 | 147 | 30 |
| 18 | A18 | 126 | -79 | 149 | 30 |
| 19 | A19 | -19 | 152 | 153 | 30 |
| 20 | A20 | -136 | -76 | 156 | 30 |
| 21 | A21 | -6 | -156 | 156 | 30 |
| 22 | A22 | -48 | 152 | 159 | 30 |
| 23 | A23 | -65 | -162 | 174 | 30 |
| 24 | A24 | 165 | -55 | 174 | 30 |
| 25 | A25 | -145 | 120 | 188 | 30 |

| N. | I.D. | X (ft-in) | Y (ft-in) | Dist. to 0 | DIA (in) |
|---|---|---|---|---|---|
| 1 | P4 | 0" | 0" | 0" | 12 |
| 2 | P9 | 2'-2" | -2" | 2'-2" | 12 |
| 3 | P5 | 0" | -2'-3" | 2'-3" | 12 |
| 4 | P7 | -2'-3" | 0" | 2'-3" | 12 |
| 5 | P3 | 0" | 2'-3" | 2'-3" | 12 |
| 6 | A6 | -1'-6" | 2'-4" | 2'-10" | 12 |
| 7 | P10 | 2'-11" | -1" | 2'-11" | 12 |
| 8 | P8 | -2'-3" | -2'-3" | 3'-1" | 12 |
| 9 | P1 | 2'-3" | -2'-3" | 3'-1" | 12 |
| 10 | P6 | -2'-3" | 2'-3" | 3'-1" | 12 |
| 11 | P2 | 2'-8" | 2'-1" | 3'-4" | 12 |
| 12 | P10 | 3'-7" | 1'-9" | 4' | 12 |
| 13 | A13 | -3'-11" | -1'-5" | 4'-2" | 12 |
| 14 | A14 | -4'-3" | -6" | 4'-3" | 12 |
| 15 | A15 | -3'-9" | 2'-3" | 4'-5" | 12 |
| 16 | A16 | -3'-7" | -2'-11" | 4'-7" | 12 |
| 17 | A17 | -4'-7" | 1'-5" | 4'-10" | 12 |
| 18 | A18 | 4'-2" | -2'-7" | 4'-11" | 12 |
| 19 | A19 | -8" | 5' | 5' | 12 |
| 20 | A20 | -4'-6" | -2'-6" | 5'-1" | 12 |
| 21 | A21 | -2" | -5'-2" | 5'-2" | 12 |
| 22 | A22 | -1'-7" | 5' | 5'-3" | 12 |
| 23 | A23 | -2'-2" | -5'-4" | 5'-9" | 12 |
| 24 | A24 | 5'-5" | -1'-10" | 5'-9" | 12 |
| 25 | A25 | -4'-9" | 3'-11" | 6'-2" | 12 |




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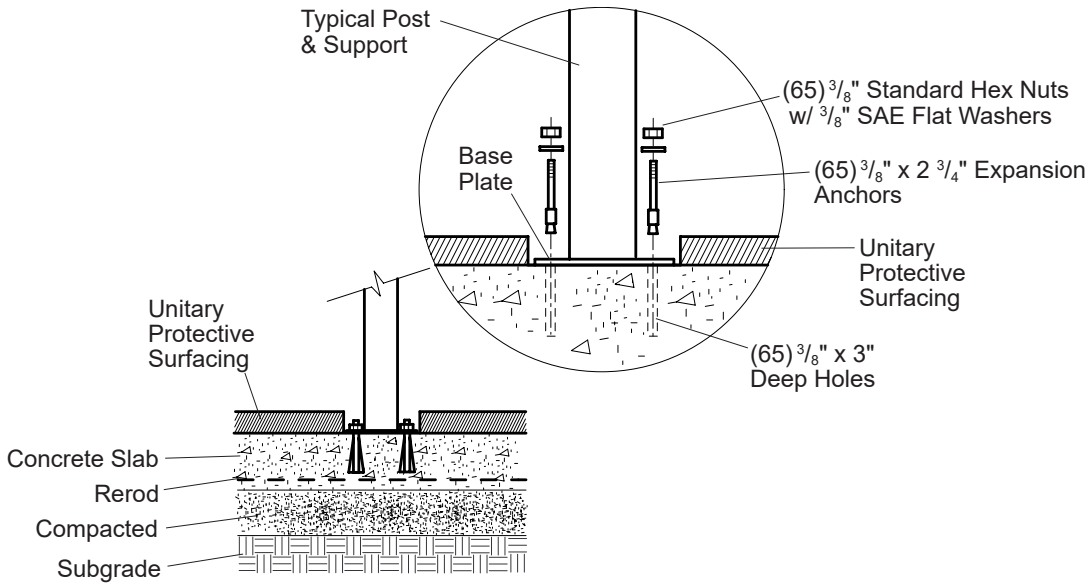
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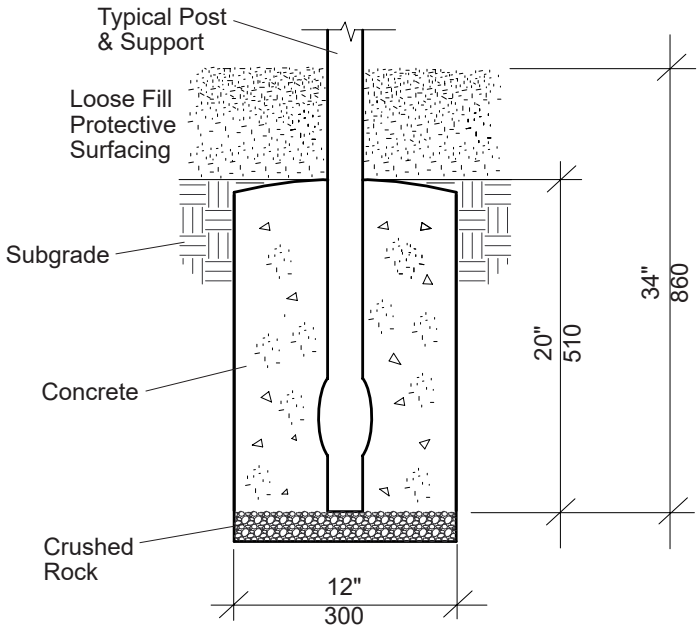
**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

## DETAIL
### SURFACE MOUNT




## DETAIL
### DIRECT BURY







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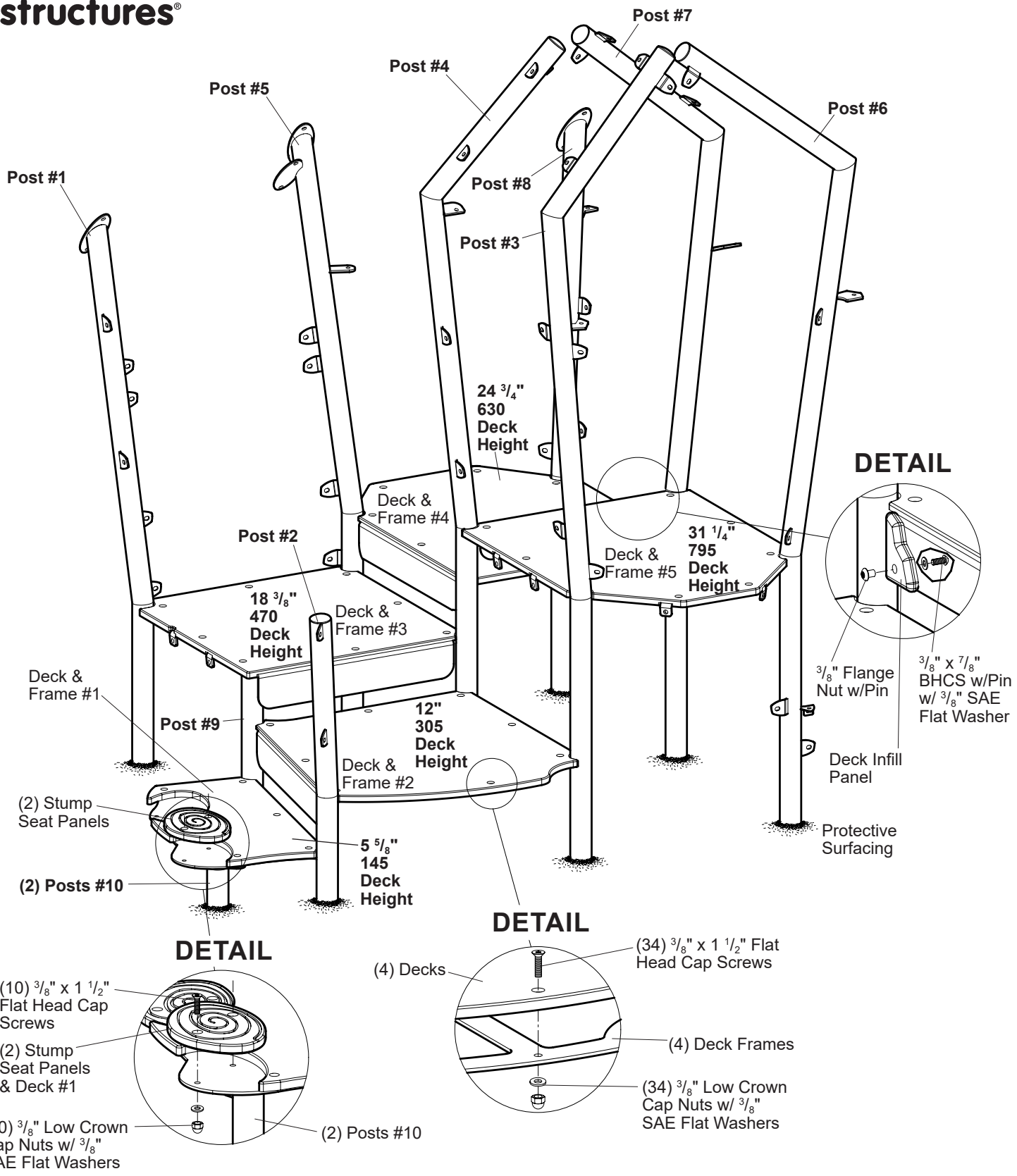
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**SAFETY NOTE**

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Sheet 5

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# Posts & Decks

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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 196425 | Post #1, Specify Color (SM) | 1 |
| 197094 | Post #1, Specify Color (DB) | 1 |
| 196424 | Post #2, Specify Color (SM) | 1 |
| 197095 | Post #2, Specify Color (DB) | 1 |
| 196426 | Post #3, Specify Color (SM) | 1 |
| 197096 | Post #3, Specify Color (DB) | 1 |
| 196427 | Post #4, Specify Color (SM) | 1 |
| 197097 | Post #4, Specify Color (DB) | 1 |
| 196428 | Post #5, Specify Color (SM) | 1 |
| 197098 | Post #5, Specify Color (DB) | 1 |
| 196429 | Post #6, Specify Color (SM) | 1 |
| 197099 | Post #6, Specify Color (DB) | 1 |
| 196431 | Post #7, Specify Color (SM) | 1 |
| 197100 | Post #7, Specify Color (DB) | 1 |
| 227199 | Post #8, Specify Color (SM) | 1 |
| 227198 | Post #8, Specify Color (DB) | 1 |
| 196524 | Post #9, Specify Color (SM) | 1 |
| 197102 | Post #9, Specify Color (DB) | 1 |
| 197246 | Post #10, Specify Color (SM) | 2 |
| 197272 | Post #10, Specify Color (DB) | 2 |
| 211280 | Deck Surface #1, Black | 1 |
| 211281 | Deck Surface #2, Black | 1 |
| 211282 | Deck Surface #3, Black | 1 |
| 211283 | Deck Surface #4, Black | 1 |
| 211284 | Deck Surface #5, Black | 1 |
| 196582 | Deck Frame #1, Specify Color | 1 |
| 196583 | Deck Frame #2, Specify Color | 1 |
| 196584 | Deck Frame #3, Specify Color | 1 |
| 196506 | Deck Frame #4, Specify Color | 1 |
| 196586 | Deck Frame #5, Specify Color | 1 |
| 197004 | Stump Seat #1, Specify Color | 1 |
| 197050 | Stump Seat #2, Specify Color | 1 |
| 200950 | Deck Infill Panel, Specify Color | 1 |
| **222622** | **Mainstructure Hardware Package** | 1 |
| 100365 | 3/8" SAE Flat Washer, SST | 45 |
| 100349 | 3/8" Low Crown Cap Nut, SST | 44 |
| 151421 | 3/8" x 1 1/2" FHCS w/Pin | 44 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 1 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 1 |
| **200978** | **Motion Hardware Package (SM)** | 1 |
| 100327 | 3/8" Standard Hex Nuts, SST. | 65 |
| 100365 | 3/8" SAE Flat Washers, SST. | 65 |
| 100263 | 3/8" x 2 3/4" Expansion Anchors | 65 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**Deck Frame:** Fabricated from 1/4" (6,35 mm) HRPO steel sheet. Finish: ProShield®, color specified.

**GripX Deck Surface:** 3/4" (19,05 mm) Thick Permalene®, black in color.

**Panels:** Recycled Permalene, color specified.

**Post:** Weldment comprised of 2.375" (60,33 mm) O.D. RS20 (.095"-.105") (2,41 mm - 2,67 mm) wall galvanized steel tubing, 1/4" (6,35 mm) HRPO steel sheet and 7 GA. (.179") (4,55 mm) HRPO steel sheet. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** Approx. 30 man hours for entire structure (DB)
Approx. 25 man hours for entire structure (SM)

**Fall Height:** 32" (813 mm)

**Area Required:** 24' x 24' (7,31 m x 7,31 m) minimum

**Concrete:** Approx. 32.75 cu. ft. for entire structure (DB)

**Weight:** 1100 lbs. (DB)
950 lbs. (SM)

**Height:** 100" (2,54 m) Top Of Roof To Finished Grade

## Installation Instructions

1) **(Direct Bury)** Dig footings spaced as shown. Orient posts correctly and set in proper footing holes.

2) Starting with the highest deck, attach deck frames and decks to posts. Level decks. Continue until all deck frames and decks are in position.

3) Install stump seat panels to deck frame.

4) Attach deck infill panel.

5) Attach remaining components and panels according to their respective installation sheets.

6) **(Direct Bury)** With structure square, plumb and level, pour concrete footings. Allow concrete to cure a minimum of 72 hours before users are allowed to play on the structure.

   **Surface Mount** - Drill 3/8" x 3" deep holes through post and footer plates into concrete slab using 3/8" masonry bit and hammer drill. Tap 3/8" x 2 3/4" expansion anchors into drilled holes and fasten with 3/8" standard hex nuts and 3/8" SAE flat washers.

7) Install protective surfacing before users are allowed to play on the structure.



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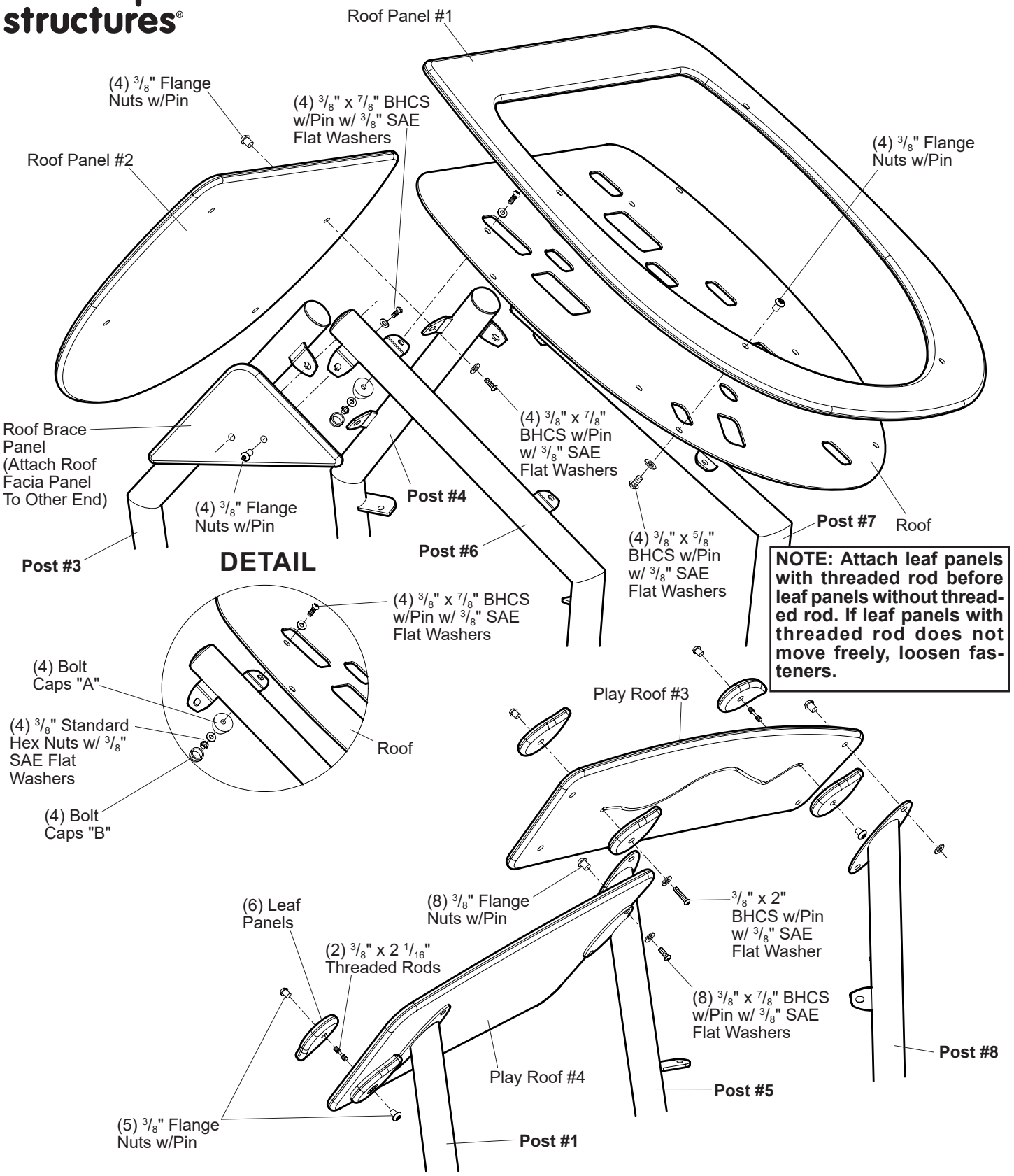
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)




**NOTE: Attach leaf panels with threaded rod before leaf panels without threaded rod. If leaf panels with threaded rod does not move freely, loosen fasteners.**

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# 197057 Motion

Sheet 7


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# Roof

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| **200383** | **Roof 2 Panel Set, Specify Color** | 1 |
| 196802 | Roof Panel #1, Specify Color | 1 |
| 196805 | Roof Panel #2, Specify Color | 1 |
| 196807 | Roof Panel #3, Specify Color | 1 |
| 196833 | Roof Panel #4, Specify Color | 1 |
| 196810 | Roof, Specify Color | 1 |
| 196806 | Roof Brace Panel, Specify Color | 1 |
| 199316 | Play Roof Facia Panel, Specify Color | 1 |
| 197233 | Leaf Panel, Specify Color | 6 |
| **307488** | **Motion Roofs Hardware Package** | 1 |
| 100195 | 3/8" x 5/8" BHCS w/Pin, SST | 4 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 20 |
| 100327 | 3/8" Standard Hex Nut, SST | 4 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 25 |
| 100365 | 3/8" SAE Flat Washer, SST | 29 |
| 100173 | 3/8" x 2" BHCS w/Pin, SST | 1 |
| 123115 | 3/8" x 2 1/16" Threaded Rod | 2 |
| 108184 | Bolt Cap Part A, White | 4 |
| 108185 | Bolt Cap Part B, White | 4 |

## Specifications

**Panels:** Recycled Permalene® panel, color specified.

**Roof:** Fabricated from 7 GA. (.179") (4,55 mm) HRPO steel sheet. Finish: ProShield®, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach leaf panels to roof panels.

2) Attach roof and roof panels to post tabs.

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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)



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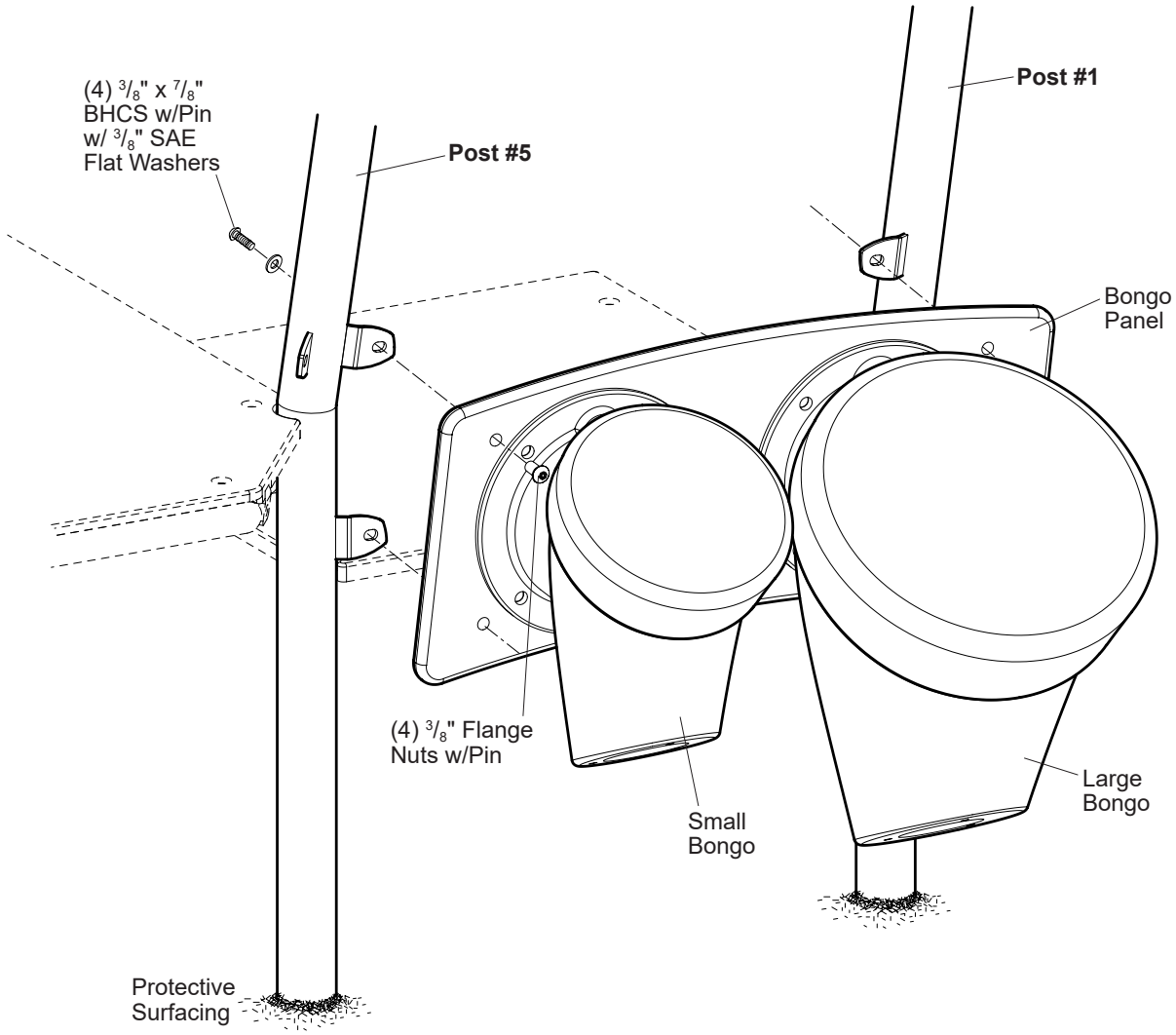
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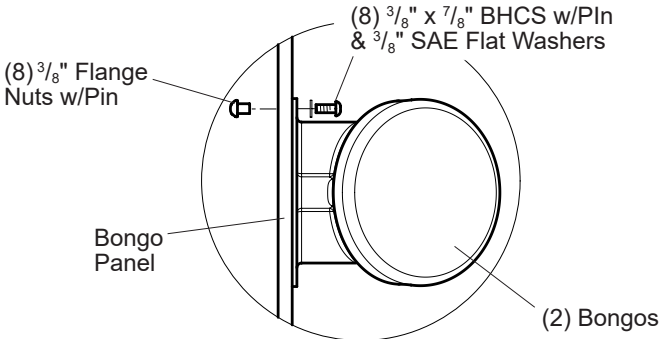
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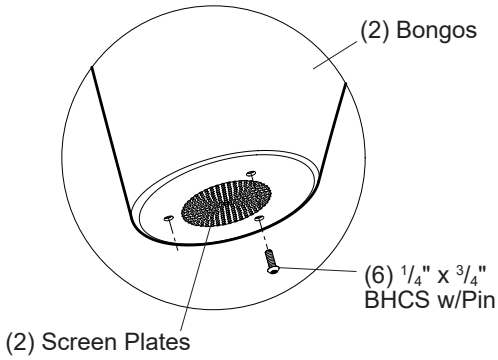
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)




## DETAIL
### BONGO ATTACHMENT




## DETAIL
### SCREEN ATTACHMENT




**NOTE: Screen plates attach (flat side to flat side) to inside of Bongos.**




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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

# Bongo Panel

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 163911 | Small Bongo, Specify Color | 1 |
| 163912 | Large Bongo, Specify Color | 1 |
| 196817 | Bongo Panel, Specify Color | 1 |
| 164523 | Screen Plate, Black | 2 |
| **200949** | **Bongo Panel Hardware Package** | 1 |
| 100196 | $^3/_8$" x $^7/_8$" BHCS w/Pin, SST | 12 |
| 100353 | $^3/_8$" Flange Nut w/Pin, SST | 12 |
| 100365 | $^3/_8$" SAE Flat Washers, SST | 12 |
| 162374 | $^1/_4$" x $^3/_4$" BHCS w/Pin, SST | 6 |
| 127463 | T-27 TPP Hex Bit (Torx) | 1 |

## Specifications

**Panel:** Recycled Permalene® panel, color specified.

**Bongo:** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

**Screen Plate:** Fabricated from 12 GA. (.105") (2,67 mm) HRPO flat steel. Finish: ProShield®, black in color.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach screen plates to bongos. **NOTE:** *Screen plates attach (flat side to flat side) to inside of Bongos.*

2) Attach Bongos to Bongo Panel.

3) Attach Bongo Panel to post tabs.



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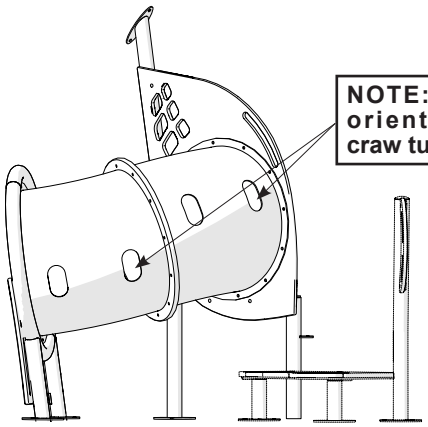
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

**NOTE: Bottom hole in tunnel section does not require a fastener.**



**NOTE: Correct orientation of craw tunnel.**

Crawl Tunnel Panel

(4) 3/8" x 7/8" BHCS w/Pin w/ 3/8" SAE Flat Washers

(4) 3/8" Flange Nuts w/Pin

(11) 3/8" Flange Nuts w/Pin

**Post #1**

(11) 3/8" x 7/8" BHCS w/Pin w/ Roto Tunnel Contoured Washers

(2) 3/8" x 7/8" BHCS w/Pin w/ 3/8" SAE Flat Washers

Flanged 30° Tunnel Section

**Post #2**

(10) 3/8" x 7/8" BHCS w/Pin w/Roto Tunnel Contoured Washers

(2) 3/8" Flange Nuts w/Pin

(12) Attachment Blocks

(10) 3/8" Flange Nuts w/Pin

30° Tunnel Section

Entry Hand-hold Panel

(2) Tunnel Rings

Tunnel Support

(2) 3/8" Flange Nuts w/Pin

(2) 3/8" x 1 11/16" BHCS w/Pin w/ Roto Tunnel Contoured Washers

Protective Surfacing

9 5/8" 244

## DETAIL
### TUNNEL ASSY.

(12) Attachment Blocks

Flanged Tunnel End

(2) 3/8" x 7/8" BHCS w/Pin w/3/8" SAE Flat Washers

Tunnel Grass Left Panel

Tunnel Grass Panel

(2) 3/8" Flange Nuts w/Pin

(12) 3/8" x 1 1/8" BHCS w/Pin w/Roto Tunnel Contoured Washers

Standard Tunnel End

(12) 3/8" Standard Hex Nuts



**NOTE: Be sure to orientate contoured washers as shown.**

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# Crawl Tunnel

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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 201077 | Tunnel Ring Panel, Specify Color | 2 |
| 196827 | Crawl Tunnel Panel, Specify Color | 1 |
| 200748 | Tunnel Grass Left Panel, Specify Color | 1 |
| 198121 | Tunnel Grass Panel, Specify Color | 1 |
| 108175 | 30° Tunnel Section, Specify Color | 1 |
| 108177 | Flanged 30° Tunnel Section, Specify Color | 1 |
| 200498 | Tunnel Support, Specify Color (SM) | 1 |
| 201075 | Tunnel Support, Specify Color (DB) | 1 |
| 133047 | Attachment Block, Specify Color | 12 |
| 197232 | Entry Handhold Panel, Specify Color | 1 |
| | | |
| **219162** | **Crawl Tunnel Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 29 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 12 |
| 123224 | 3/8" x 1 11/16 BHCS w/Pin, SST | 2 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 31 |
| 100365 | 3/8" SAE Flat Washer, SST | 8 |
| 216834 | Roto Tunnel Contoured Washer, SST | 35 |
| 100327 | 3/8" Standard Hex Nut, SST | 12 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**Panels:** Recycled Permalene® panel, color specified.

**Tunnel Section:** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

**Tunnel Support:** Weldment comprised of 2.375" (60,33 mm) O.D. RS20 (.095"-.105") (2,41 mm - 2,67 mm) wall galvanized steel tubing, and $^{1}/_{8}$" (.125") (3,18 mm) HRPO steel sheet. Finish: ProShield®, color specified.

**Attachment Block:** U.V. stabilized high-density polyethylene, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach crawl tunnel panel to post and deck tabs.
2) Attach crawl tunnel sections to crawl tunnel panel.
3) Attach tunnel support, tunnel ring panels and grass panels to crawl tunnel.
4) Attach entry handhold panel to post tabs.



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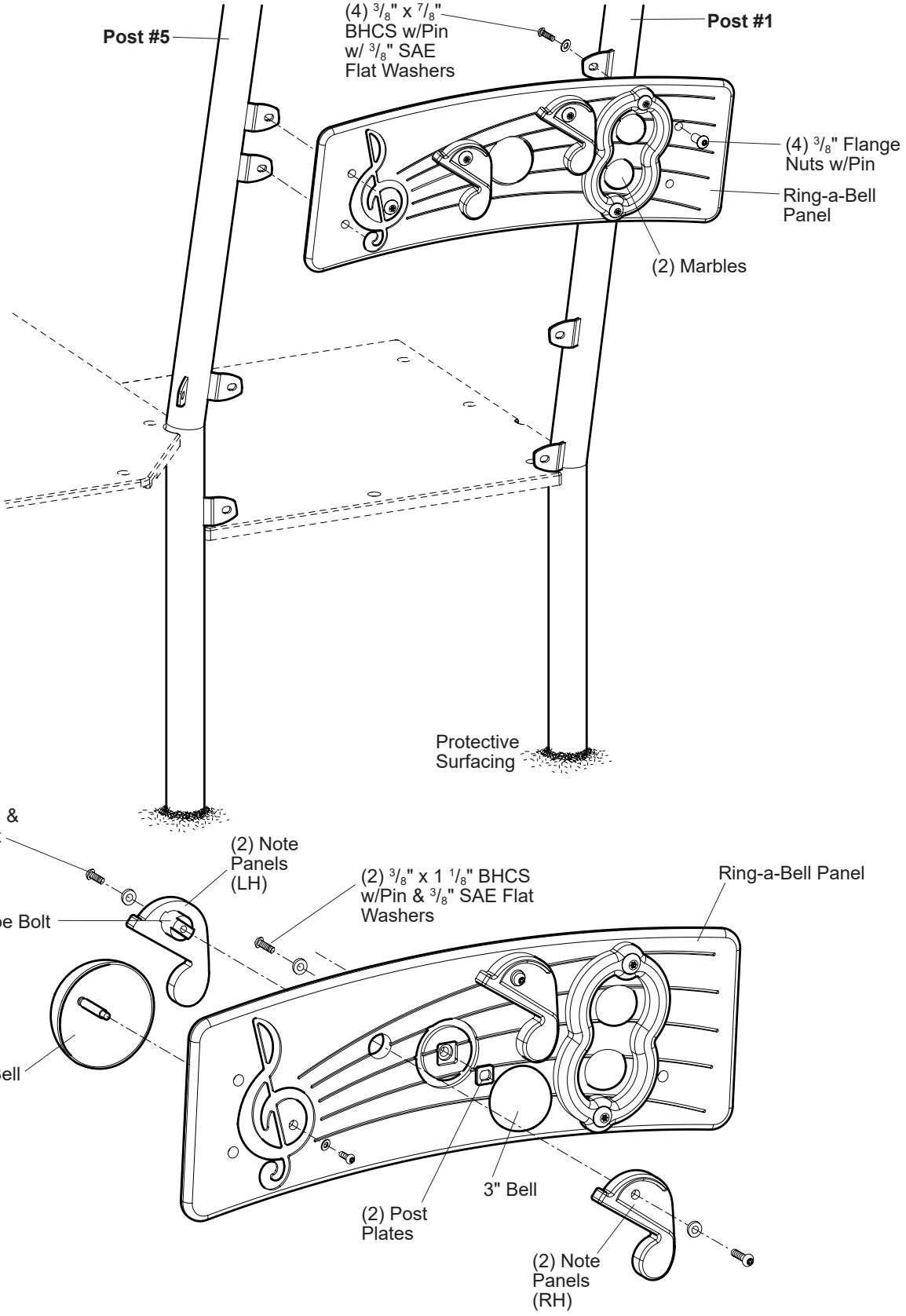
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)




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# Ring-a-Bell Panel

**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 197308 | Note Panel (RH), Specify Color | 2 |
| 197309 | Note Panel (LH), Specify Color | 2 |
| 158433 | 3" Bell, Specify Color | 1 |
| 158434 | 5" Bell, Specify Color | 1 |
| 200770 | Ring-a-Bell Panel, Specify Color | 1 |
| **219272** | **Ring-a-Bell Hardware Package** | 1 |
| 100196 | $^3/_8$" x $^7/_8$ BHCS w/Pin, SST | 8 |
| 100198 | $^3/_8$" x 1 $^1/_8$" BHCS w/Pin, SST | 2 |
| 100353 | $^3/_8$" Flange Nut w/Pin, SST | 4 |
| 100365 | $^3/_8$" SAE Flat Washers, SST | 10 |
| 158335 | Bell Post Plate, SST | 2 |
| 197312 | Pipe Bolt Lock, Aluminum | 2 |

## Specifications

**Panels:** Recycled Permalene® , color specified.

**Marble:** 2" Diameter glass.

**Bells:** Fabricated from 10 GA. (.135") HRPO low carbon steel. Finish: ProShield®, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach panel to post tabs.

2) Attach Note panels and pipe bolt locks to Ring-a-Bell panel.

3) Insert post plates into bell panel cutouts. Attach bells to Ring-a-Bell panel, as shown.



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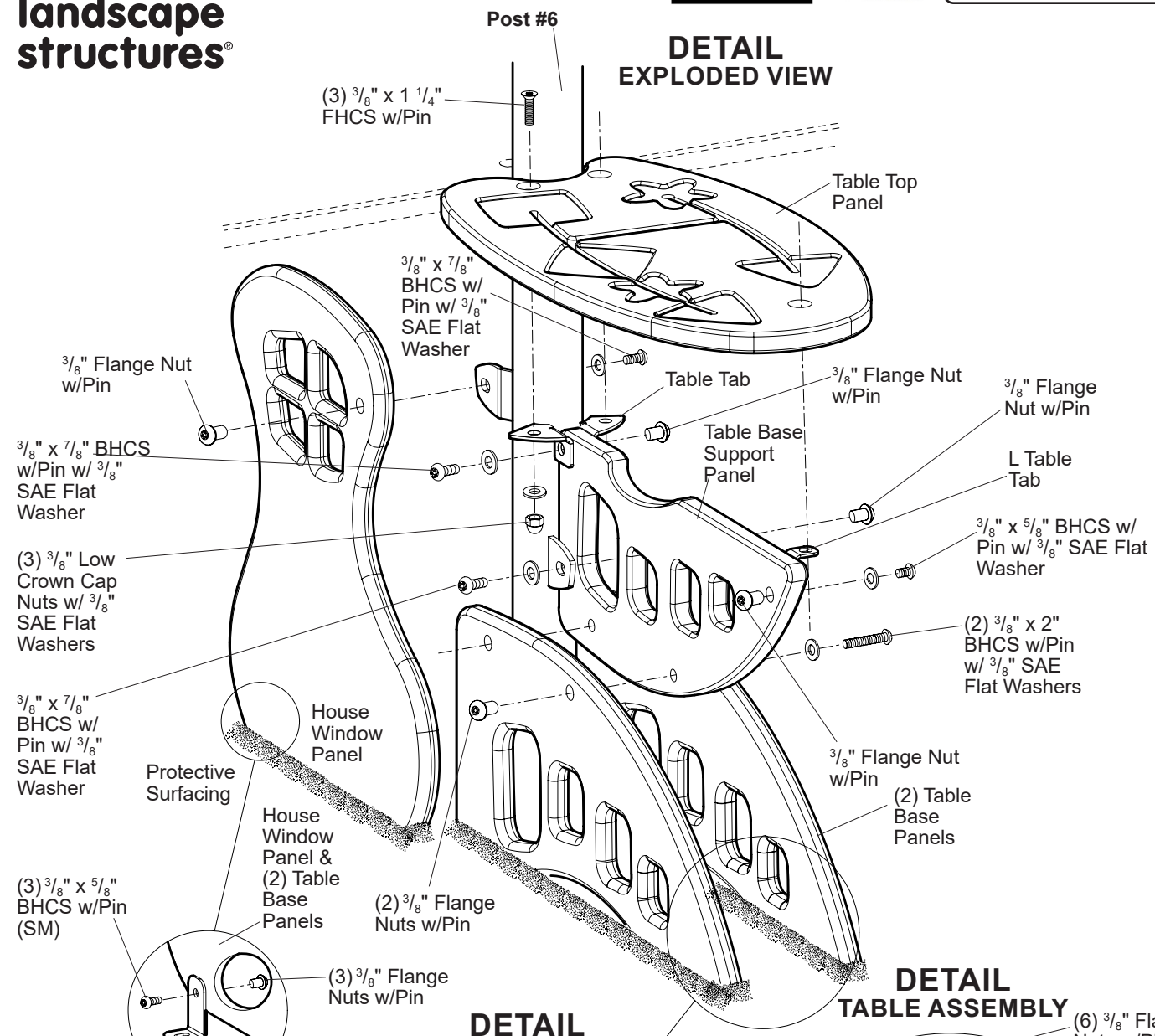
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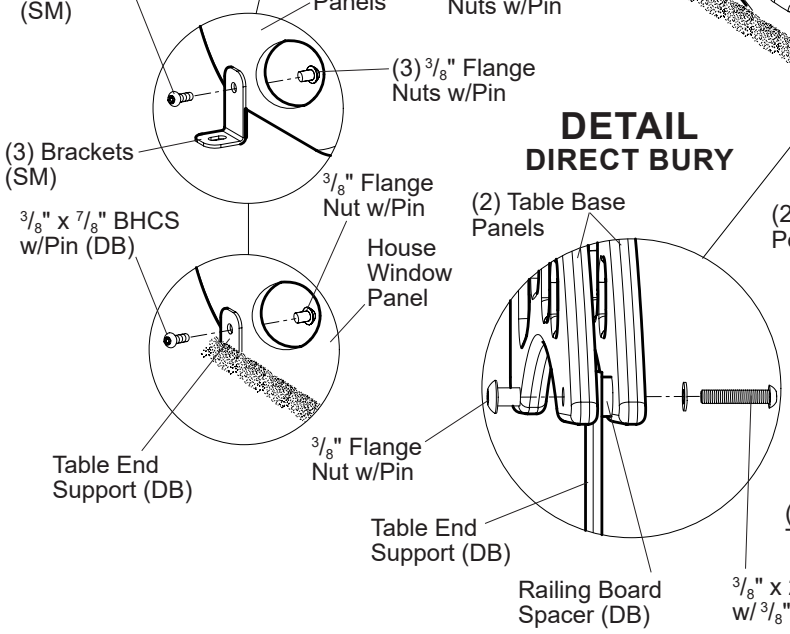
**SAFETY NOTE**

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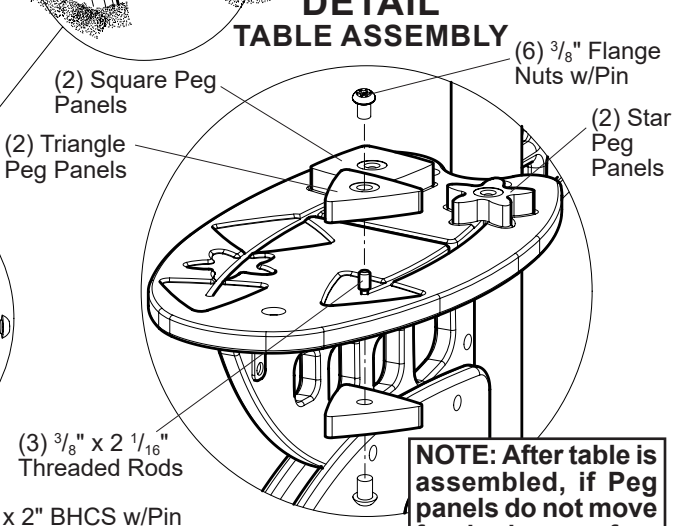
## DETAIL
### EXPLODED VIEW




## DETAIL
### DIRECT BURY




## DETAIL
### TABLE ASSEMBLY




**NOTE: After table is assembled, if Peg panels do not move freely, loosen fasteners.**

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## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 197306 | Table Tab, Specify Color | 1 |
| 204724 | Angle Bracket, SST. (SM) | 3 |
| 197307 | L Table Tab, Specify Color | 1 |
| 197054 | House Panel, Specify Color | 1 |
| 197055 | Table Base Panel, Specify Color | 2 |
| 197056 | Table Base Support Panel, Specify Color | 1 |
| 197069 | Table Top Panel, Specify Color | 1 |
| 197116 | Star Peg Panel, Specify Color | 2 |
| 197117 | Square Peg Panel, Specify Color | 2 |
| 197118 | Triangle Peg Panel, Specify Color | 2 |
| 201029 | End Panel Support, (DB), Specify Color | 2 |
| 207485 | Railing Board,Spacer, (DB) | 1 |
| **203618** | **Play Table Hardware Package** | 1 |
| 100196 | $^3/_8$" x $^7/_8$" BHCS w/Pin, SST | 4 |
| 100173 | $^3/_8$" x 2" BHCS w/Pin, SST | 3 |
| 100252 | $^3/_8$" x 1 $^1/_4$" FHCS w/Pin, SST | 3 |
| 100349 | $^3/_8$" Low Crown Cap Nut, SST | 3 |
| 100353 | $^3/_8$" Flange Nut w/Pin, SST | 15 |
| 123115 | $^3/_8$" x 2 $^1/_{16}$" Threaded Rod | 3 |
| 100365 | $^3/_8$" SAE Flat Washer, SST | 10 |
| 100195 | $^3/_8$" x $^5/_8$" BHCS w/Pin, SST | 4 |

## Specifications

**Panels:** Recycled Permalene®, color specified.

**End Panel Supt.:** Weldment comprised of $^1/_4$" (6,35 mm) HRPO steel sheet and $^3/_8$" (9,53 mm) re-bar. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach table base support panel and house window panel to post tabs.
2) Attach table base panels to table base support panel.
3) Attach table top panel to post tabs and L table tab.
4) Attach peg panels to table top panel.
5) Attach angle brackets/supports to table base panels.



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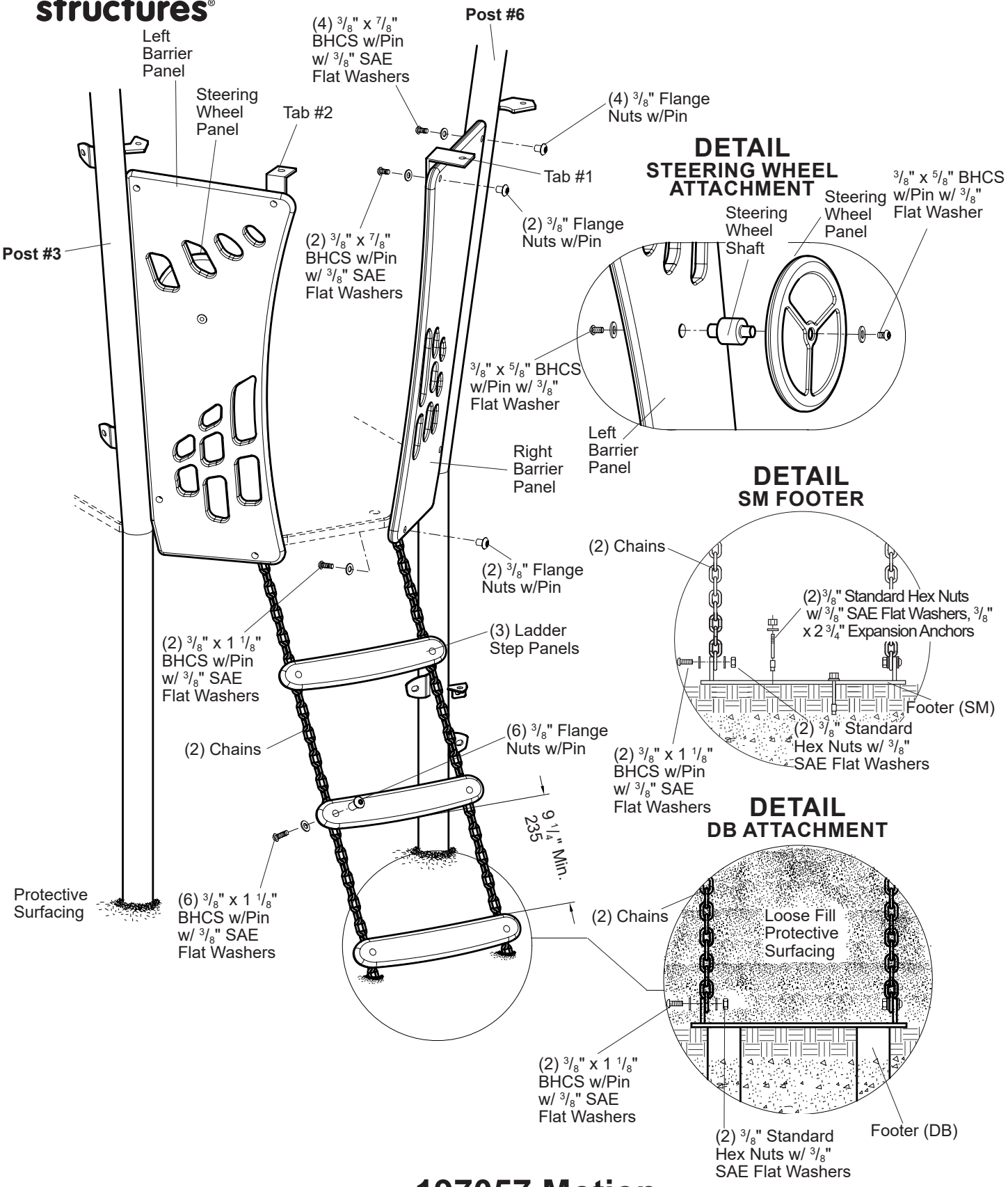
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**SAFETY NOTE**

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**SAFETY NOTE**

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# Chain Ladder

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 200775 | Chain Ladder Footer, (DB) | 1 |
| 200760 | Chain Ladder Footer, (SM) | 1 |
| 196657 | Barrier Panel, (R), Specify Color | 1 |
| 196655 | Barrier Panel, (L), Specify Color | 1 |
| 200723 | Steering Wheel Panel, Specify Color | 1 |
| 152053 | 37 1/2" Chain, (SM), Dark Grey | 2 |
| 152048 | 49 13/16" Chain, (DB), Dark Grey | 2 |
| 197074 | Ladder Step Panel, Specify Color | 3 |
| 197070 | Tab #1, Specify Color | 1 |
| 197071 | Tab #2, Specify Color | 1 |
| **203620** | **Chain Ladder Hardware Package** | 1 |
| 100195 | 3/8" x 5/8" BHCS w/Pin, SST | 2 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 6 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 10 |
| 100327 | 3/8" Standard Hex Nut, SST | 2 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 14 |
| 100362 | 3/8" Flat Washer, SST | 2 |
| 100365 | 3/8" SAE Flat Washer, SST | 18 |
| 200550 | Steering Wheel Shaft, Aluminum | 1 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**Panels:** Recycled Permalene® panel, color specified.

**Chain:** Steel 3/16" (4,75 mm) straight link chain, 800 lb. (362,87 kilograms) working load limit. Finish: TenderTuff, color specified.

**Chain**

**Ladder Footer:** Weldment comprised of 1.900" (48,26 mm) O.D. RS20 (.090"-.100") (2,29 mm - 2,54 mm) wall galvanized steel tubing and 1/4" (6,35 mm) HRPO steel sheet. Finish: ProShield®, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach panels to post tabs.
2) Attach panels and chain to deck frame tabs.
3) Attach steering wheel to left barrier panel.
4) Attach ladder steps to chains.
5) **(Direct Bury)** Determine footing locations by pulling chain ladder tight and laying end on subgrade. Drill footing holes 2" out from end of where chain ladder meets subgrade.

   Fasten chain ladder to support.

   Pour concrete into footing holes. Push chain ladder support into concrete until chain ladder is tight and top of support is positioned flush with top of subgrade. Temporarily weigh support down so it remains in position until concrete has set.

   **(Surface Mount)** Attach support to chain ladder. Pull chain ladder tight and drill 1/2" x 3" deep holes through support using hammer drill and 1/2" masonry bit. Tap expansion anchors into drilled holes. Fasten support to expansion anchors using 1/2" standard hex nuts with 1/2" flat washers.



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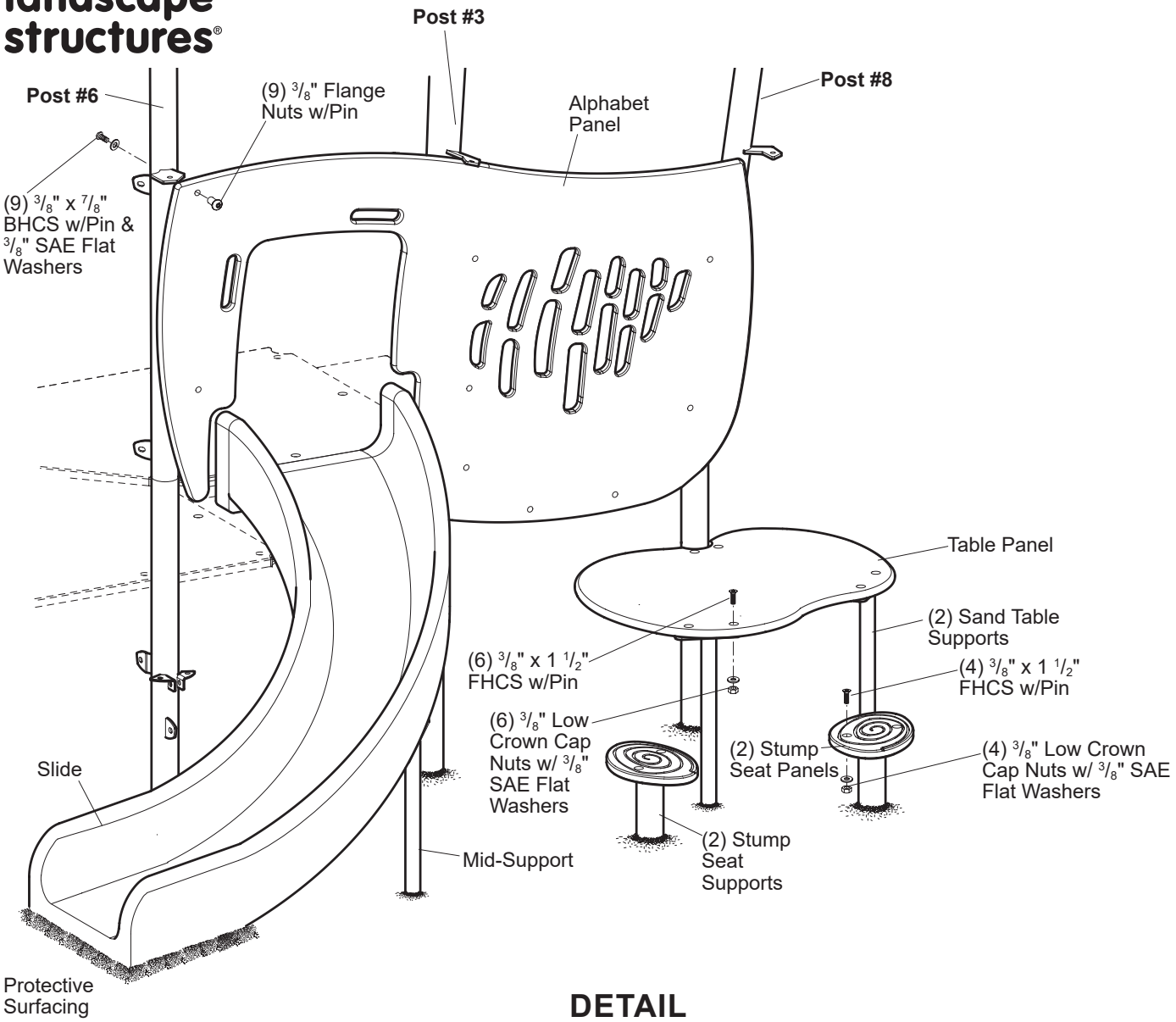
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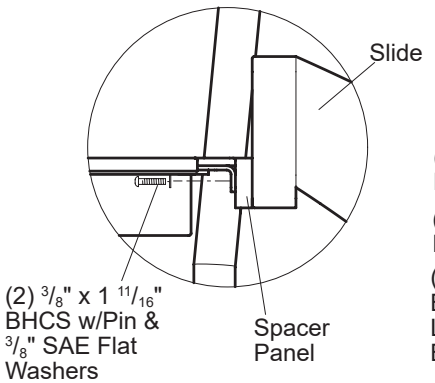
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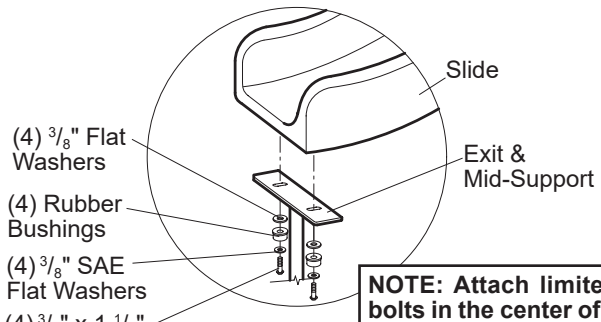
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)




## DETAIL
### SLIDE ATTACHMENT




## DETAIL
### SUPPORT ATTACHMENT




**NOTE: Attach limited thread bolts in the center of the slots to allow for expansion and contraction. Snug bolts down only, do not overtighten.**




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# Slide & Sand Table

**SAFETY NOTE**
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 200985 | Sand Table Support, (DB), Specify Color | 2 |
| 200282 | Sand Table Support, (SM), Specify Color | 2 |
| 275936 | Curved Slide, Specify Color | 1 |
| 200988 | Exit Support, (DB), Specify Color | 1 |
| 200337 | Exit Support, (SM), Specify Color | 1 |
| 200987 | Mid-Support, (DB), Specify Color | 1 |
| 200338 | Mid-Support, (SM), Specify Color | 1 |
| 197004 | Stump Seat Panel #1, Specify Color | 1 |
| 197050 | Stump Seat Panel #2, Specify Color | 1 |
| 197005 | Stump Seat Support, (DB), Specify Color | 2 |
| 200284 | Stump Seat Support, (SM), Specify Color | 2 |
| 200954 | Slide Spacer Panel, Specify Color | 1 |
| 227197 | Alphabet Panel, No Chute, Specify Color | 1 |
| 206333 | Table Panel, Specify Color | 1 |
| **307491** | **Alphabet Hardware Package** | 1 |
| 100196 | $^3/_8$" x $^7/_8$" BHCS w/Pin, SST | 9 |
| 100353 | $^3/_8$" Flange Nut w/Pin, SST | 9 |
| 100365 | $^3/_8$" SAE Flat Washer, SST | 25 |
| 100362 | $^3/_8$" Flat Washer, SST | 4 |
| 151421 | $^3/_8$" x 1 $^1/_2$" FHCS w/Pin, SST | 10 |
| 123224 | $^3/_8$" x 1 $^{11}/_{16}$" BHCS w/Pin, SST | 2 |
| 100292 | $^3/_8$" x 1 $^1/_4$" BHCS w/Pin Ltd. Thread Bolt, SST | 4 |
| 100349 | $^3/_8$" Low Crown Nut, SST | 10 |
| 127463 | T-27 TPP Hex Bit (Torx) | 1 |
| 111442 | Rubber Bushing | 4 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**Slide:** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified.

**Mid-Support:** Weldment comprised of 1.315" (33,40 mm) O.D. RS20 (.080" - .090") (2,03 mm-2,29 mm) galvanized steel tubing, and $^1/_4$" (6,35 mm) HRPO steel sheet. Finish: ProShield, color specified.

**Sand Table Support:** Weldment comprised of 1.315" (33,40 mm) O.D. RS20 (.080" - .090") (2,03 mm-2,29 mm) galvanized steel tubing, and $^1/_4$" (6,35 mm) HRPO steel sheet. Finish: ProShield, color specified.

**Exit Footer:** Weldment comprised of 2.375" (60,33 mm) O.D. x .188" (4,78 mm) wall galvanized steel tubing, and $^1/_4$" (6,35 mm) HRPO steel sheet. Finish: ProShield, color specified.

**Stump Seat Support:** Weldment comprised of 2.375" (60,33 mm) O.D. x .188" (4,78 mm) wall galvanized steel tubing, and $^1/_4$" (6,35 mm) HRPO steel sheet. Finish: ProShield, color specified.

**Panels:** Recycled Permalene®, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach alphabet panel to post tabs and deck frame tabs.
2) Attach exit and mid-supports to slide. **NOTE:** *Attach bolts in center of the slots to allow for expansion and contraction. Snug bolts down only, do not over-tighten!* See Support Attachment Detail.
3) Attach slide to deck frame tabs.
4) Attach table panel to sand table supports and post tab.
5) Attach stump seat panels to stump seat supports.

ECO-0102237 Document #30748700 replaces #29627900. Updated Hardware packages


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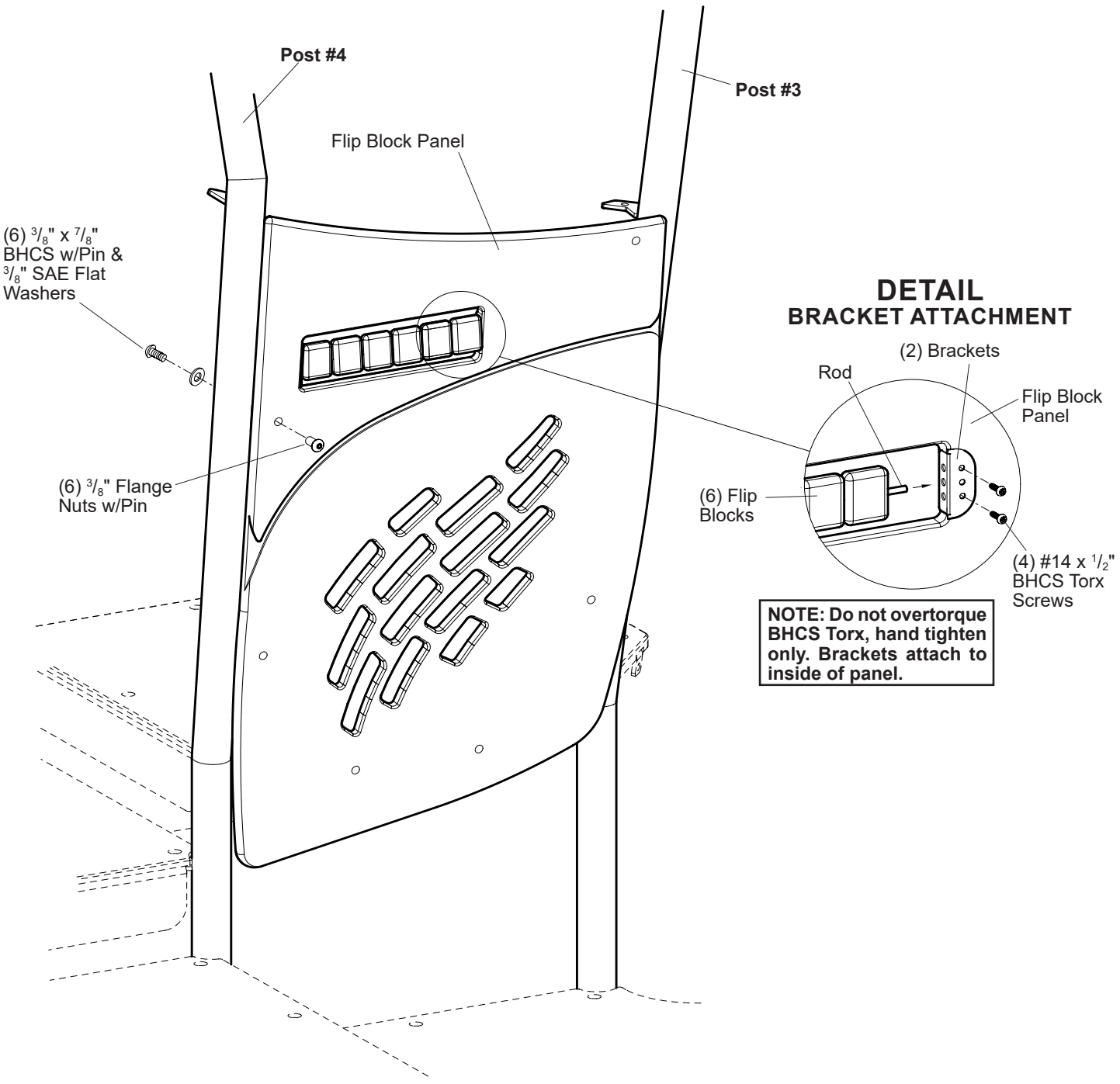
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)




# 197057 Motion

Smart Play®

Sheet 21

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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

# Flip Block Panel

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 196814 | Flip Block Panel, Specify Color | 1 |
| 106151 | Flip Block Bracket, SST | 2 |
| 200838 | Flip Block 1, Specify Color | 2 |
| 200982 | Flip Block 2, Specify Color | 2 |
| 200983 | Flip Block 3, Specify Color | 2 |
| 106161 | 1/4" x 12 3/8" Rod, SST | 1 |
| **200964** | **Flip Block Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 6 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 6 |
| 100365 | 3/8" SAE Flat Washer, SST | 6 |
| 129671 | #14 x 1/2" Torx-Pin Cap Screw, SST | 4 |
| 127463 | T-27 TPP Hex Bit (Torx) | 1 |

## Specifications

**Panel:** Solid color Permalene® panel, color specified.

**Flip Blocks:** Made from compression-molded 3/4" (19,05 mm) thick U.V. stabilized high-density polyethylene with all edges eased. Black, red and yellow in color.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach flip blocks and brackets to flip block panel.

2) Attach panel assembly to post tabs.



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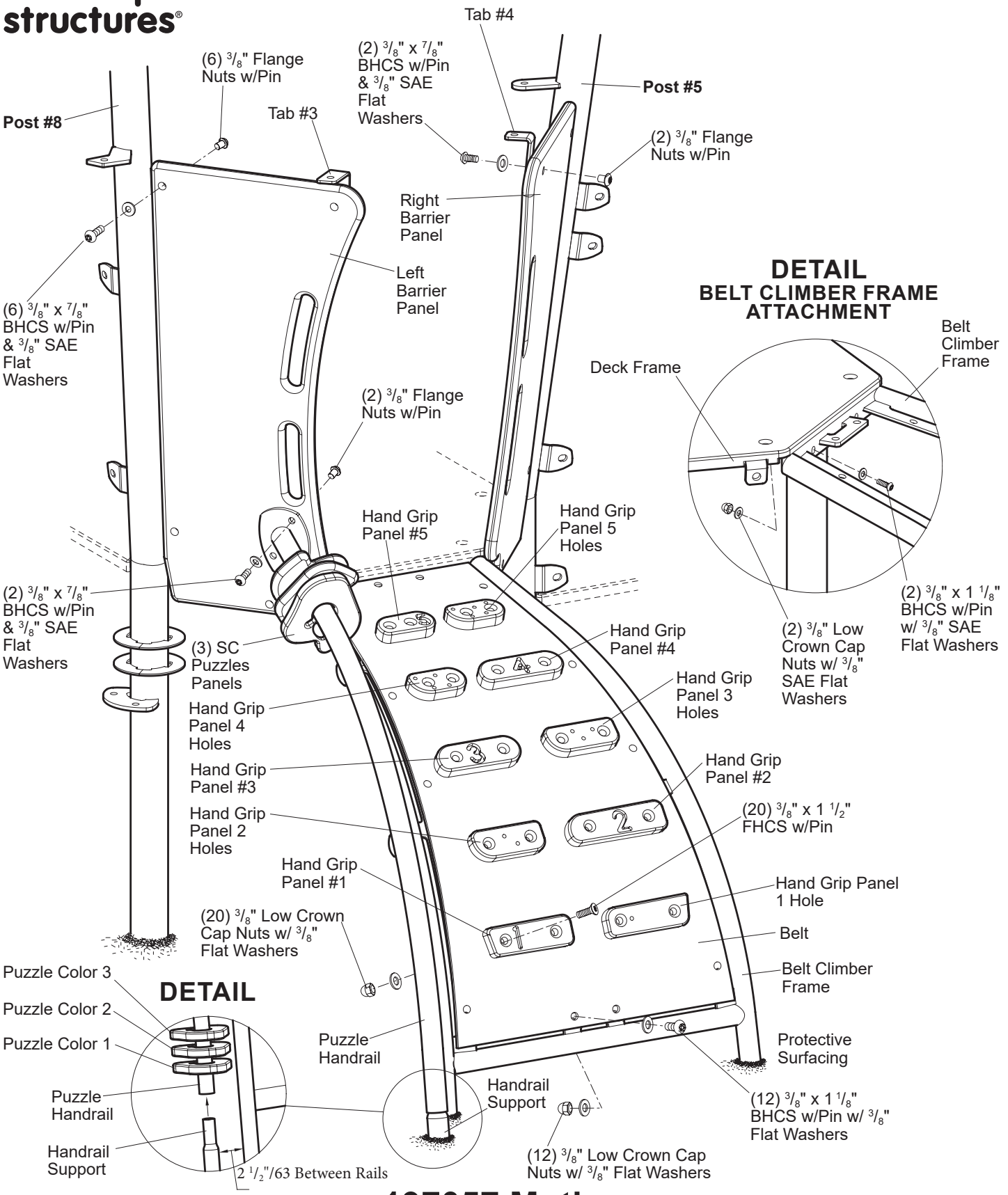
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)




# 197057 Motion

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Sheet 23

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# Belt Climber

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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 199551 | Hand Grip Panel #1, Specify Color | 1 |
| 199552 | Hand Grip Panel 1 Hole, Specify Color | 1 |
| 199553 | Hand Grip Panel #2, Specify Color | 1 |
| 199554 | Hand Grip Panel 2 Holes, Specify Color | 1 |
| 199555 | Hand Grip Panel #3, Specify Color | 1 |
| 199556 | Hand Grip Panel 3 Holes, Specify Color | 1 |
| 199557 | Hand Grip Panel #4, Specify Color | 1 |
| 199558 | Hand Grip Panel 4 Holes, Specify Color | 1 |
| 199559 | Hand Grip Panel #5, Specify Color | 1 |
| 199560 | Hand Grip Panel 5 Holes, Specify Color | 1 |
| 292064 | Belt Climber Frame, (SM), Specify Color | 1 |
| 292065 | Belt Climber Frame, (DB), Specify Color | 1 |
| 292062 | Belt, Black | 1 |
| 196971 | Puzzle Handrail, Specify Color | 1 |
| 200273 | Handrail Support, (SM), Specify Color | 1 |
| 196974 | Handrail Support, (DB), Specify Color | 1 |
| 199776 | Puzzle Panel Color #1, Specify Color | 1 |
| 198901 | Puzzle Panel Color #2, Specify Color | 1 |
| 200410 | Puzzle Panel Color #3, Specify Color | 1 |
| 196653 | Left Barrier Panel, Specify Color | 1 |
| 197049 | Right Barrier Panel, Specify Color | 1 |
| 197048 | Tab #4, Specify Color | 1 |
| 197051 | Tab #3, Specify Color | 1 |
| **292067** | **Belt Climber Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 10 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 14 |
| 100365 | 3/8" SAE Flat Washer, SST | 14 |
| 100362 | 3/8" Flat Washer, SST | 44 |
| 151421 | 3/8" x 1 1/2" FHCS w/Pin, SST | 20 |
| 100349 | 3/8" Low Crown Nut, SST | 34 |
| 100353 | 3/8" Flange Nut w/Pin, SST | 10 |

**DB = Direct Bury**
**SM = Surface Mount**

## Specifications

**Belt:** Made from .315" (8,00 mm) thick mini rough top 3-ply rubber belting with polyester fabric plys, black in color.

**Belt Climber Frame:** Weldment comprised of 1.315" (33,40 mm) O.D. RS20 (.080" - .090") (2,03 mm-2,29 mm) galvanized steel tubing, 1/4" (6,35 mm) HRPO steel sheet and 1/8" (.125") (3,18 mm) HRPO steel sheet. Finish: ProShield®, color specified.

**Puzzle Handrail:** Weldment comprised of 1.315" (33,40 mm) O.D. RS20 (.080" - .090") (2,03 mm-2,29 mm) galvanized steel tubing, and 1/4" (6,35 mm) HRPO steel sheet. Finish: ProShield, color specified.

**Handrail Support:** Weldment comprised of 1.315" (33,40 mm) O.D. RS20 (.080" - .090") (2,03 mm-2,29 mm) galvanized steel tubing. Finish: ProShield, color specified.

**Panels:** Recycled Permalene®, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach barrier panels to post tabs and deck frame tabs.
2) Attach belt climber frame to deck frame tabs.
3) Attach belt to frame.
4) Attach hand grip panels to belt.
5) Slide puzzle color panels onto puzzle handrail. Insert handrail support into puzzle handrail. Attach puzzle handrail to left barrier panel.

ECO-0102119 Install 30748700 replaces 28529800. Belt climber part change and new hardware



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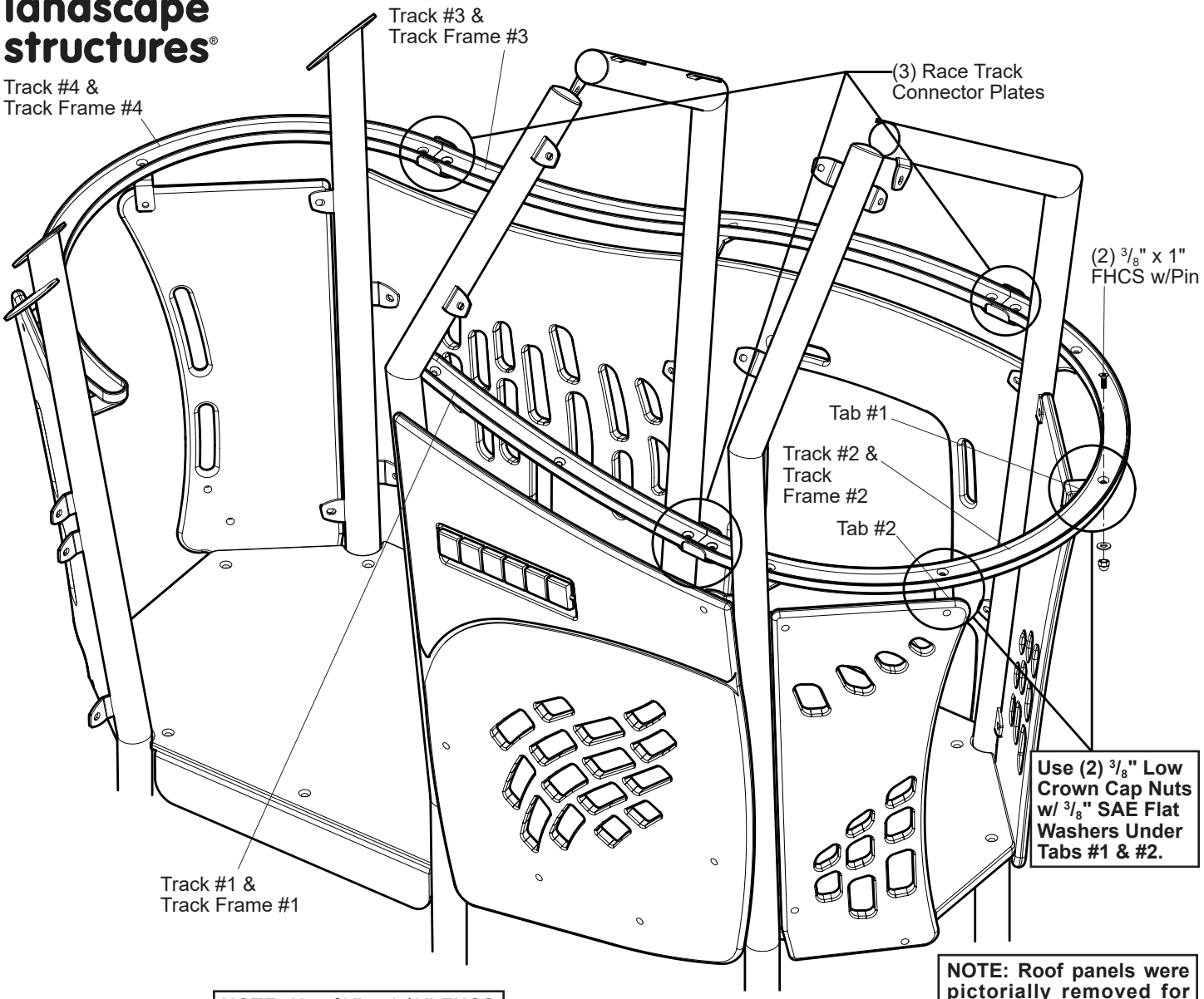
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**SAFETY NOTE**

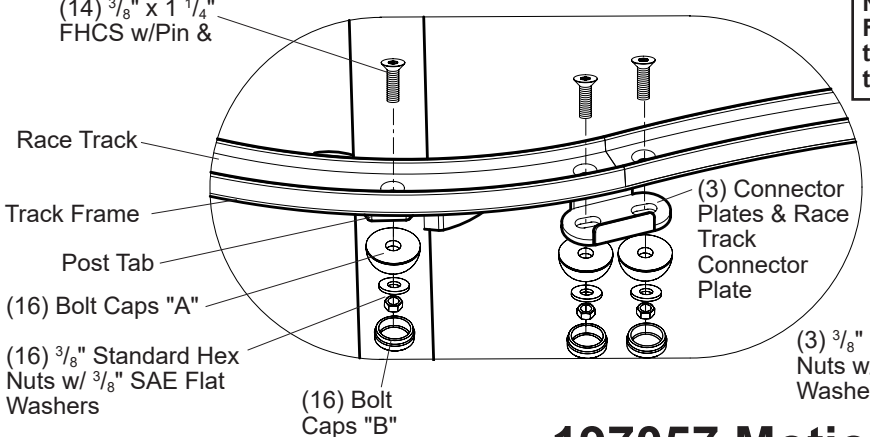
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)



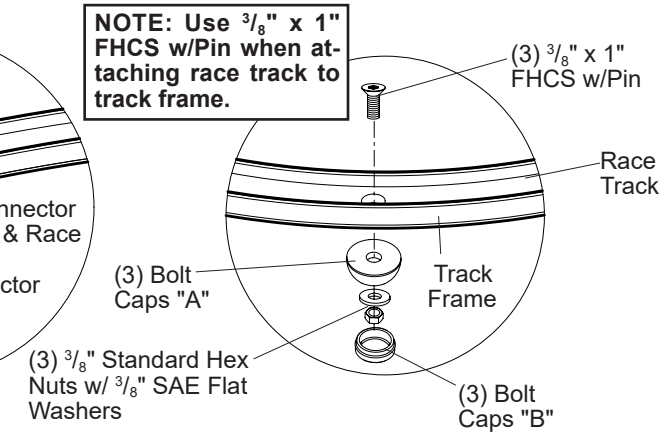

## DETAIL

### RACE TRACK ATTACHMENT

**NOTE: Use 3/8" x 1 1/4" FHCS w/Pin when attaching race track and track frame to tabs & connector plates.**




**NOTE: Use 3/8" x 1" FHCS w/Pin when attaching race track to track frame.**







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# Race Track

**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 230700 | Race Track #1, Black | 1 |
| 230702 | Race Track #2, Black | 1 |
| 230701 | Race Track #3, Black | 1 |
| 230703 | Race Track #4, Black | 1 |
| 196996 | Race Track Frame #1, Specify Color | 1 |
| 197000 | Race Track Frame #2, Specify Color | 1 |
| 197124 | Race Track Frame #3, Specify Color | 1 |
| 197132 | Race Track Frame #4, Specify Color | 1 |
| 201088 | Race Track Connector Plate, Specify Color | 3 |
| **200966** | **Race Track Hardware Package** | 1 |
| 100252 | 3/8" x 1 1/4" FHCS w/Pin, SST | 14 |
| 137091 | 3/8" x 1" FHCS w/Pin, SST | 5 |
| 108184 | Bolt Cap Part A, White | 17 |
| 108185 | Bolt Cap Part B, White | 17 |
| 100349 | 3/8" Low Crown Cap Nut, SST | 2 |
| 100327 | 3/8" Standard Hex Nut, SST | 17 |
| 100365 | 3/8" SAE Flat Washer, SST | 19 |

## Specifications

**Race Track:** Permalene®, black in color.

**Connector Plate:** Fabricated from 1/4" (6,35 mm) HRPO steel sheet. Finish: ProShield®, color specified.

**Race Track Tab:** Fabricated from 7 GA. (.179") (4,55 mm) HRPO steel sheet. Finish: ProShield, color specified.

**Race Track Frame:** Fabricated from 1/8" (.125") (3,18 mm) HRPO steel sheet. Finish: ProShield, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

## Installation Instructions

1) Attach track frames and race tracks to posts and panel tabs. Refer to the Race Track Attachment Detail.

2) Install protective surfacing before users are allowed to play on the structure.



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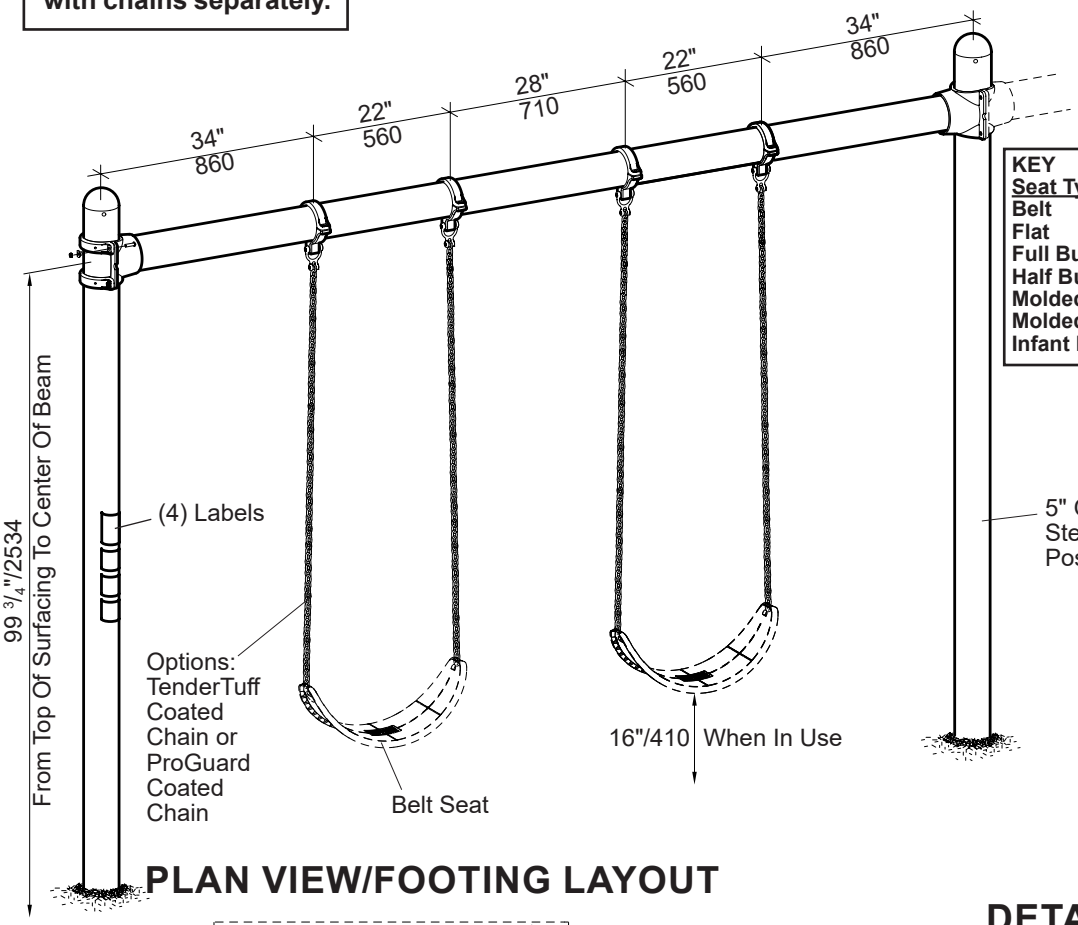
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

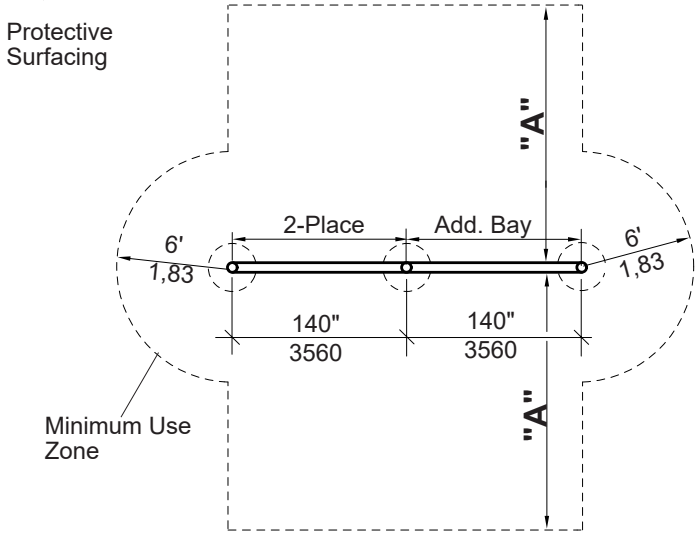
**NOTE: Model numbers are for swing frames only, order swing seats with chains separately.**



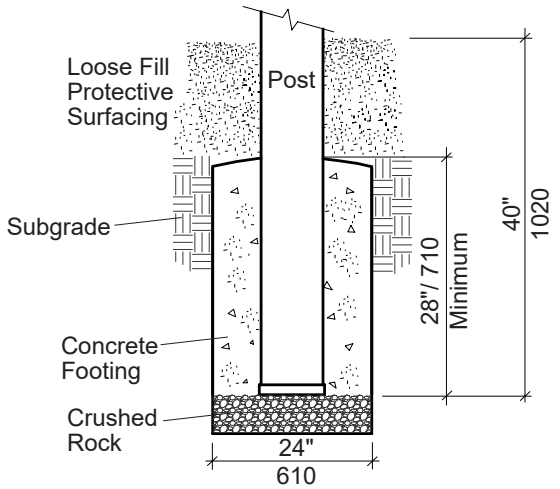

**KEY**

| Seat Type | Dimension "A" |
|---|---|
| Belt | 16'-0" (4,88 m) |
| Flat | 16'-0" (4,88 m) |
| Full Bucket | 12'-0" (3,66 m) |
| Half Bucket | 16'-0" (4,88 m) |
| Molded Bucket | 16'-0" (4,88 m) |
| Molded Bucket/Harness | 16'-0" (4,88 m) |
| Infant Full Bucket | N/A |

## PLAN VIEW/FOOTING LAYOUT




## DETAIL
### CONCRETE FOOTING




**Model #177333 Additional Bay**

**Swings**

# 177332/177333 Single Post Swing Frame



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Document #30164000

# Swings 177332/177333 Single Post Swing Frame

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## Parts List

| Part# | Description | Qty. 2 Pl | Qty. Add Bay |
|---|---|---|---|
| 216492 | Swing Beam, Specify Color | 1 | 1 |
| 220966 | 148" Steel Post Assy., Specify Color | 2 | 1 |
| 105327 | 5" Half Clamp, Specify Color | 8 | 4* |
| 100610 | 1/4X5/8i DRV, Rivet, AS | 8 | 8 |
| **121291** | **Swing Hanger Clamp Assy. Specify Color** | 4 | 4 |
| 121289 | Swing Hanger Clamp, Specify Color | 4 | 4 |
| 127068 | $^{7}/_{16}$" x 2 $^{7}/_{16}$" BHCS w/Pin Ltd. Thread, SST | 4 | 4 |
| 138917 | Swing Hanger Double Clevis | 4 | 4 |
| 100667 | Oilite Bushing | 4 | 4 |
| **243802** | **Hdw Pkg 5iOD Swing Beam.** | 1 | 1 |
| 100198 | $^{3}/_{8}$" x 1 $^{1}/_{8}$" BHCS w/Pin, SST | 8 | 8 |
| 234397 | BHCS 6LP LTHD 7/16 x 1 11/16i, SSTST | 8 | 8 |
| 100292 | $^{3}/_{8}$" x 1 $^{1}/_{4}$"BHCS w/Pin Ltd. Thread, SST | 4 | 4 |
| 100351 | $^{3}/_{8}$" Tee Nut, SST | 8 | 8 |
| 156846 | Play Safe Label, 2-12 Yrs. | 1 | 1 |
| 234937 | $^{7}/_{16}$" D Cut Washer, SST | 16 | 16 |
| 182213 | Hot Surface Warning Label | 1 | 1 |
| 182212 | Entanglement Warning Label | 1 | 1 |
| 115176 | Hard Surface Warning Label | 1 | 1 |
| 100330 | $^{7}/_{16}$" Nylok Hex Nut | 8 | 8 |

*** = 5" Half Clamps From 2 PL. End Of Beam Need To Be Used.**

## Specifications

**Post:** See PlayBooster® (PB) General Specifications.

**Swing Beam:** Weldment comprised of tee clamps and 5" O.D. extruded 6005-T5 aluminum alloy tube with a .125" wall. Finish: ProShield®, color specified.

**Clamp:** Cast aluminum. Finish: ProShield,, color specified.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/ specifications).

**Installation Time:** **2-Place** - Approx. 6 man hours
**Additional Bay** - Approx. 3 man hours

**Concrete Req.:** **2-Place** - Approx. 14 cu. ft.
**Additional Bay** - Approx. 7 cu. ft.

**Area Req:** **2-Place** - 24'-1" x 24' (7,3 m x 7,31 m) Full bucket seats.
**2-Place** - 24'-1" x 32' (7,3 m x 9,75 m) For all other seats.
**Additional Bay** - 11'-8" x 24' (3,56 m x 7,31 m) Full bucket seats.
**Additional Bay** - 11'-8" x 32' (3,56 m x 9,75 m) For all other seats.

**Weight:** **2-Place** - 206 lbs.
**Additional Bay** - 122 lbs.

## Installation Instructions

1) Dig footings spaced as shown. Refer to Concrete Footing Detail.
2) Set posts in footing holes and attach swing beam using 5" half clamps with $^{7}/_{16}$" BHCS w/Pin, $^{7}/_{16}$" D-Cut Washers, and $^{7}/_{16}$" Nylok nuts. Refer to the Swing Beam Attachment Detail. Center of beam should be 99 $^{3}/_{4}$" above finished grade. When installing back to back swing beams refer to the Back To Back Tee Clamps Detail. **NOTE:** *Tighten all BHCS w/ pin equally.*
3) Level beam and plumb posts and temporarily prop in position. Pour concrete footings and let cure for 72 hours before proceeding.
4) Locate, mark and attach swing hanger clamps to beam in locations shown. Refer to the Swing Hanger Clamp Attachment Detail.
5) **NOTE:** *Refer to specific swing seat installation document for attaching chains and seats.*
6) Install $^{1}/_{4}$" x $^{5}/_{8}$" drive rivets in all 5" half clamps. Refer to the Typical Offset Hanger Clamp Spec Sheet. Refer to the Back To Back Tee Clamps Detail.
7) Apply Play Safe and Warning Labels, as shown.
8) Install protective surfacing before users are allowed to play on the swing.

ECO# 0102179 Document 30164000 replaces 24382000 Change to molded seat w/harness use zone

Specifications are subject to change without notice.

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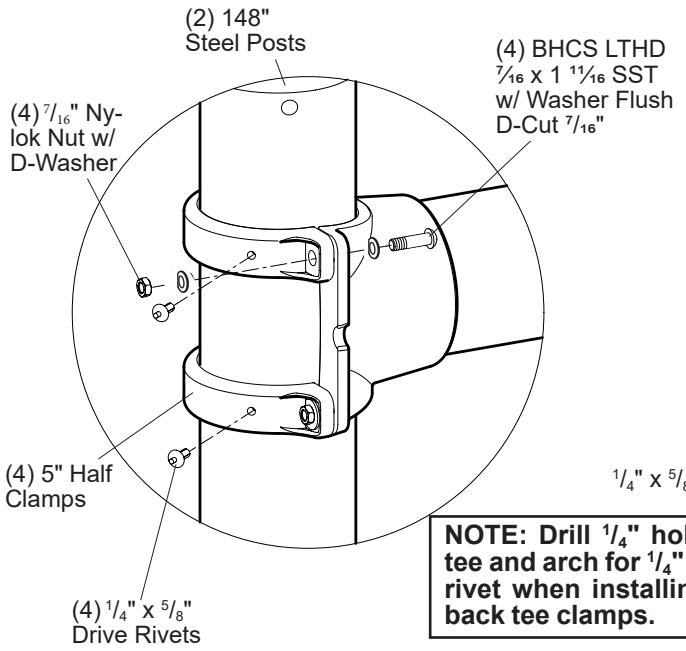
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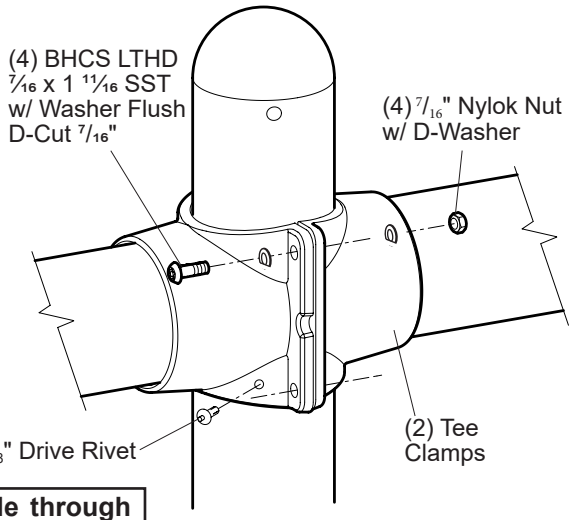
**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

## DETAIL
### BEAM ATTACHMENT



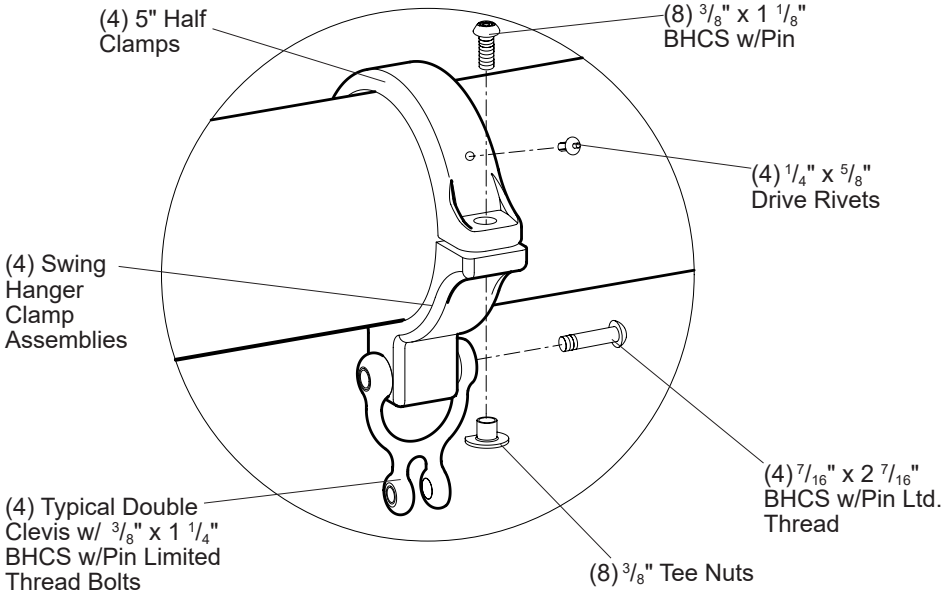

## DETAIL
### BACK TO BACK TEE CLAMPS




**NOTE: Drill 1/4" hole through tee and arch for 1/4" x 5/8" drive rivet when installing back to back tee clamps.**

**NOTE: Tighten all BHCS w/Pin equally.**

## DETAIL
### SWING HANGER ATTACHMENT




**Swings** **177332/177333 Single Post Swing Frame**



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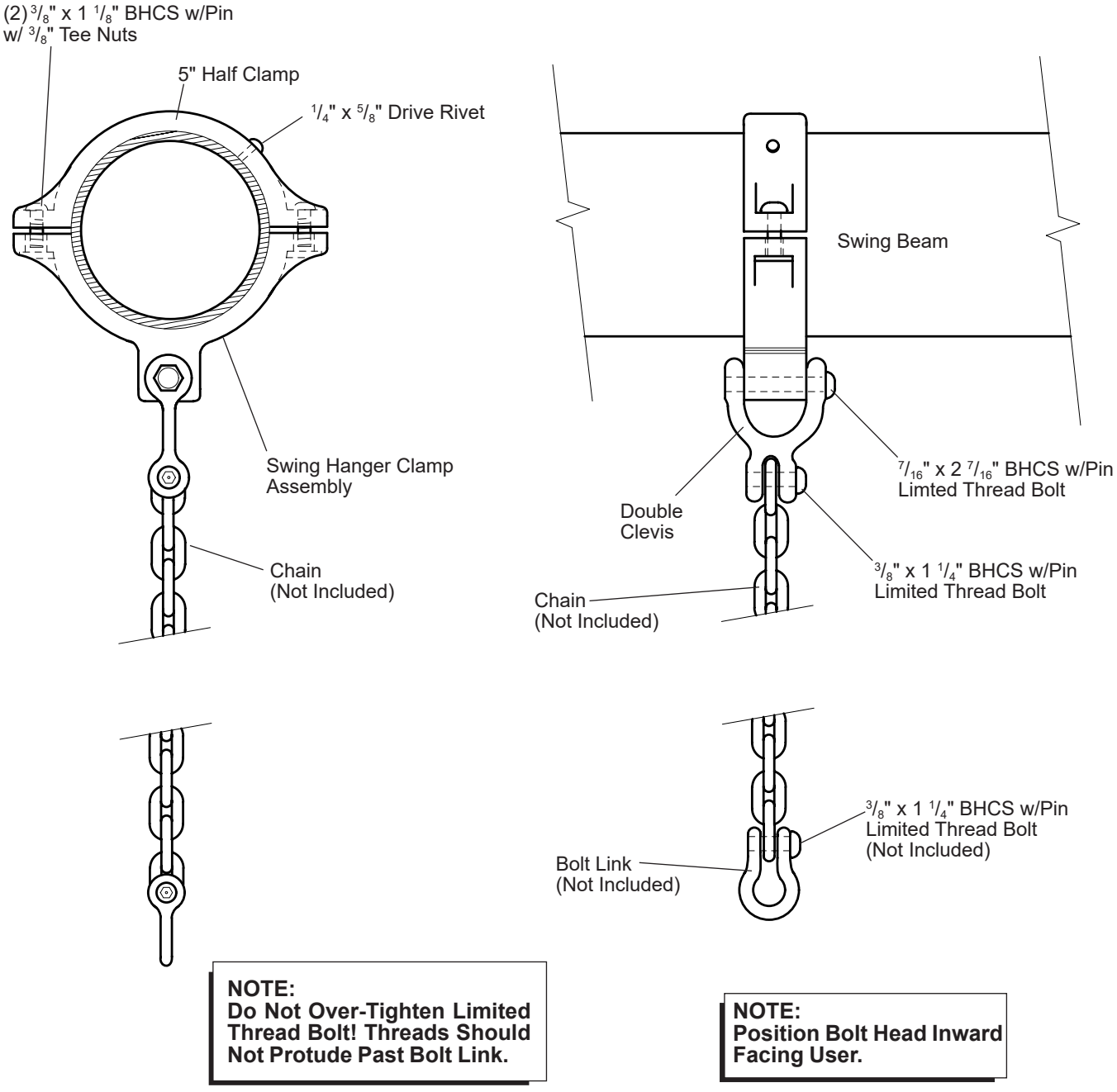
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. ASTM F1487.)

13616300




**NOTE:**
**Do Not Over-Tighten Limited Thread Bolt! Threads Should Not Protude Past Bolt Link.**

**NOTE:**
**Position Bolt Head Inward Facing User.**

**Swings**

# 111418 Swing Hanger, Belt Swing

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# Swings 111418 Swing Hanger, Belt Swing

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 105327-01 | 5" Half Clamp, Specify Color | 1 |
| 100198-00 | 3/8" x 1 1/8" BHCS w/Pin, SST | 2 |
| 100351-00 | 3/8" Tee Nut, SST | 2 |
| 100610-00 | 1/4" x 5/8" Drive Rivet, AL/SST | 1 |
| 100292-00 | 3/8" x 1 1/4" BHCS w/Pin Ltd. Thread Bolt, SST | 1 |
| **121291-00** | **Swing Hanger Clamp Assy. Specify Color** | 1 |
| 121289-00 | Swing Hanger Clamp, Specify Color | 1 |
| 127068-00 | 7/16" x 2 7/16" BHCS w/Pin Ltd. Thread Bolt, SST | 1 |
| 138917-00 | Swing Hanger Double Clevis SST | 1 |
| 100667-00 | Oilite Bushing | 1 |

## Specifications

**Hanger Clamp Assembly:** Cast aluminum. Finish: ProShield®, color specified.

**Double Clevis:** Stainless Steel.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** Approx. 1/2 man hour

**Weight:** 6 lbs.

## Installation Instructions

1) Locate and mark location of clamp on beam.

2) Attach 5" half clamp and swing hanger clamp to beam using 3/8" x 1 1/8" BHCS w/pin and 3/8" tee nuts. *Tighten evenly.*

3) ***IMPORTANT:*** *Drill through holes in 5" half clamps and into 5" pipe with a 1/4" or "F" (only) drill bit, tap 1/4" x 5/8" drive rivets through 5" half clamps and into pipe, to ensure that clamps remain secure.*

4) Attach swing chain to double clevis using 3/8" x 1 1/4" BHCS w/pin limited thread bolts.

5) Attach swing seat to chains using bolt links with 3/8" x 1 1/4" BHCS w/pin limited thread bolts. **NOTE:** *Do not over-tighten limited thread bolt. Threads should not protrude past bolt link. Position bolt head inward facing user.*

Specifications are subject to change without notice.

ECO #54506 Document #18379700 replaces #13616300. Changed Double Clevis material to Stainless Steel.

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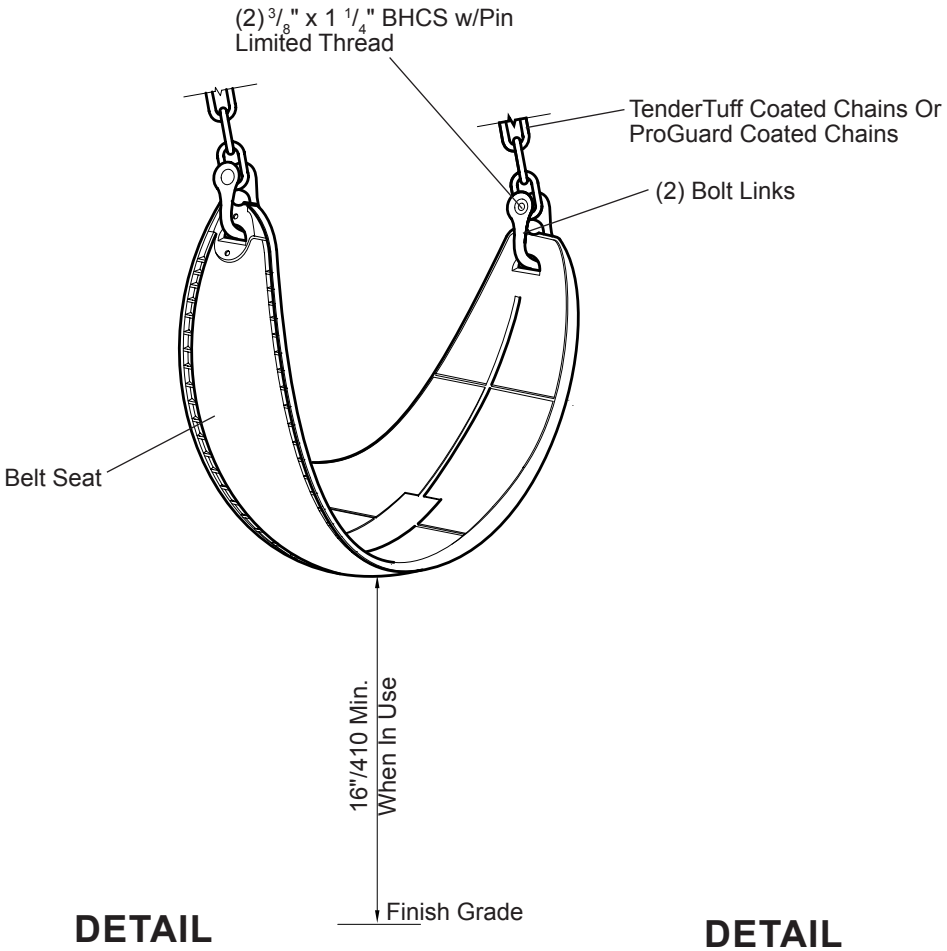
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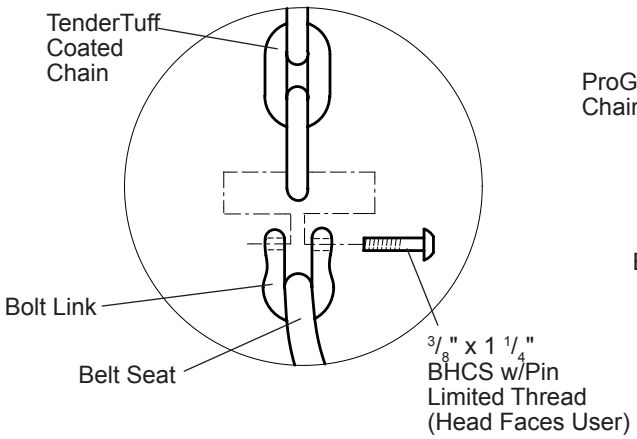
**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

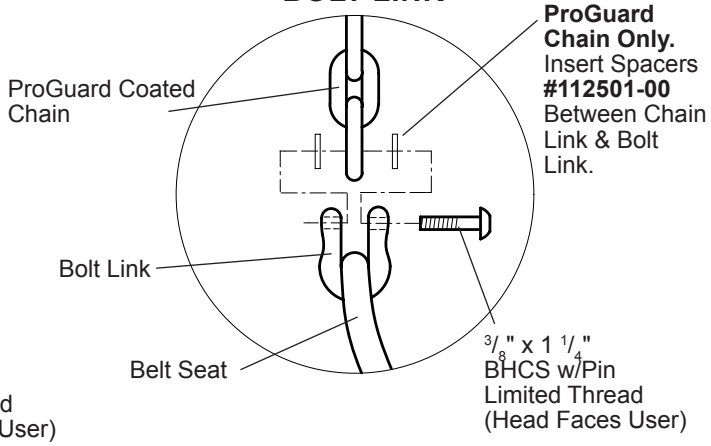
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**DETAIL**
**BOLT LINK**




**DETAIL**
**BOLT LINK**




**Swings**

# 174018 Belt Seat



601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

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Document #21059100

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# Swings 174018 Belt Seat

## Parts List

| Part # | Description | Qty. |
|---|---|---|
| | **7 Ft. High Beam** | |
| 128842 | Belt Swing Seat, Black | 1 |
| 178679 | 57 7/16" Chain, TenderTuff, Specify Color | 2 |
| 175251 | 57 7/16" Chain, ProGuard | 2 |
| **132672** | **Bolt Link w/Bolt & Spacers** | 1 |
| 100292 | 3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST | 2 |
| 138915 | Bolt Link, SST | 2 |
| 112501 | Chain Spacer | 4 |
| **132635** | **Bolt Link w/Bolt Hardware Package** | 1 |
| 100292-00 | 3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST | 2 |
| 138915 | Bolt Link, SST | 2 |
| | **8 Ft. High Beam** | |
| 128842 | Belt Swing Seat, Black | 1 |
| 152050 | 67 7/8" Chain, TenderTuff, Specify Color | 2 |
| 174404 | 67 7/8" Chain, ProGuard | 2 |
| **132672** | **Bolt Link w/Bolt & Spacers** | 1 |
| 100292 | 3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST | 2 |
| 138915 | Bolt Link, SST | 2 |
| 112501 | Chain Spacer | 4 |
| **132635** | **Bolt Link w/Bolt Hardware Package** | 1 |
| 100292 | 3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST | 2 |
| 138915 | Bolt Link, SST | 2 |
| | **10 Ft. High Beam** | |
| 128842 | Belt Swing Seat, Black | 1 |
| 152052 | 90 11/16" Chain, TenderTuff, Specify Color | 2 |
| 174884 | 90 11/16" Chain, ProGuard | 2 |
| **132672** | **Bolt Link w/Bolt & Spacers** | 1 |
| 100292 | 3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST | 2 |
| 138915 | Bolt Link, SST | 2 |
| 112501 | Chain Spacer | 4 |
| **132635** | **Bolt Link w/Bolt Hardware Package** | 1 |
| 100292 | 3/8" x 1 1/4" BHCS w/Pin Ltd. Thread, SST | 2 |
| 138915 | Bolt Link, SST | 2 |

## Specifications

**Chain Spacer:** Made from white nylon measuring .080" x .785" O.D.

**Chain/ProGuard:** Steel 3/16" straight link chain, 800 lb. working load limit. Finish: ProGuard.

**Chain/Coated:** Steel 3/16" straight link chain, 800 lb. working load limit. Finish: TenderTuff®, color specified.

**Belt Seats:** Molded from U.V. stabilized black EPDM rubber encapsulating a weldment comprised of a 22 GA (.029") spring stainless steel sheet, and (4) .105" thick stainless steel washers. The belt seat elliptical shape measures 7" wide x 26" long x .700" thick.

**Bolt Link:** Stainless Steel.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** 1/4 man hour per seat

**Weight:** 8 lbs. (7 Ft. Beam w/ProGuard Chains)
9 lbs. (7 Ft. Beam w/TenderTuff Chains
8 lbs. (8 Ft. Beam w/ProGuard Chains)
9 lbs. (8 Ft. Beam w/TenderTuff Chains)
10 lbs. (10 Ft. Beam w/ProGuard Chains)
11 lbs. (10 Ft. Beam w/TenderTuff Chains)

## Installation

**Swing Hangers With Double Clevis**

1) Attach chains to double clevis using 3/8" x 1 1/4" BHCS w/pin limited thread, as shown.
2) Attach chains to belt seat using bolt links with 3/8" x 1 1/4" BHCS w/ pin limited thread. Be sure bolt heads face user. **NOTE:** *Use chain spacers as shown when installing ProGuard chains.*
3) Install protective surfacing before users are allowed to play on the structure.

**Anti-wrap Swing Hangers**

1) Attach chains to aluminum clevis using 3/8" x 7/8" BHCS w/pin limited thread, as shown.
2) Attach chains to belt seat using bolt links with 3/8" x 1 1/4" BHCS w/ pin limited thread. Be sure bolt heads face user. **NOTE:** *Use chain spacers as shown when installing ProGuard chains.*
3) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

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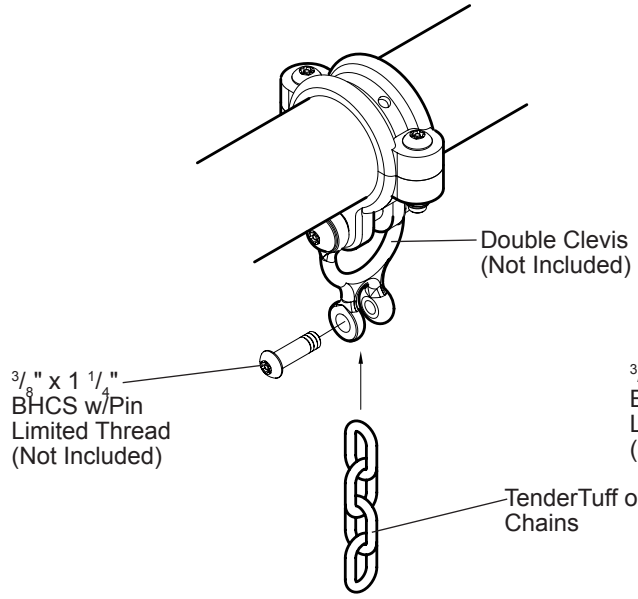
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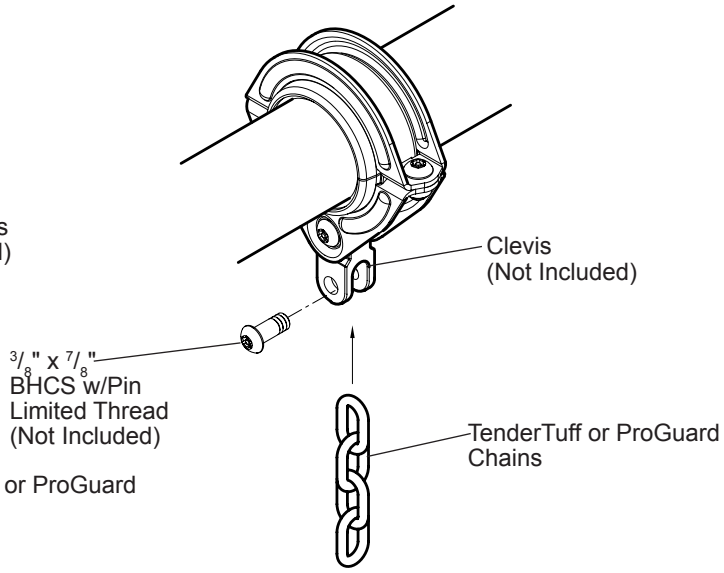
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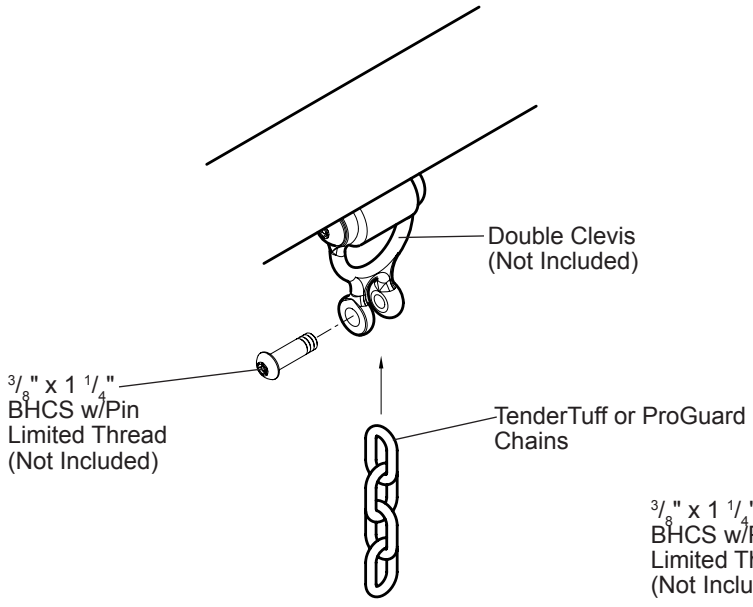
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

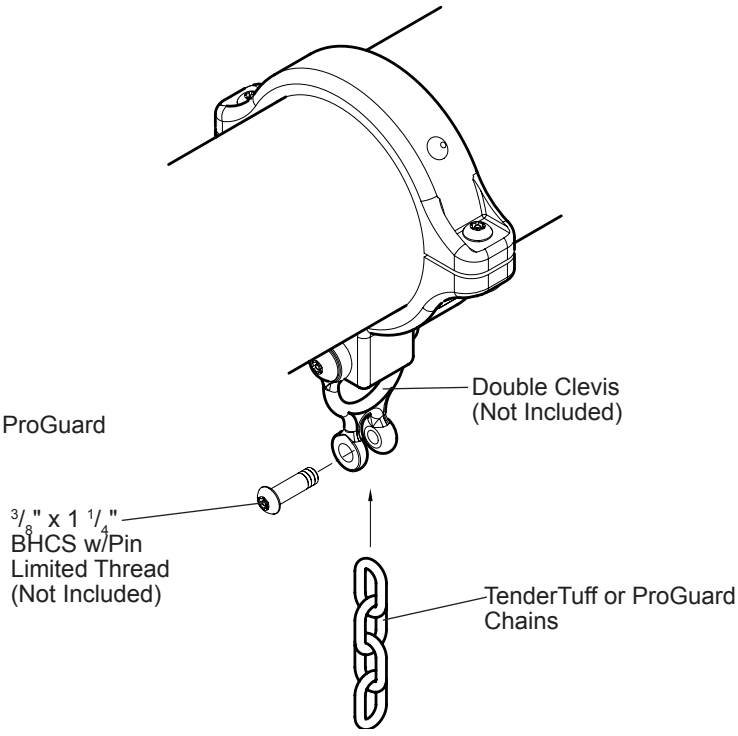
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# SWING HANGER OPTIONS







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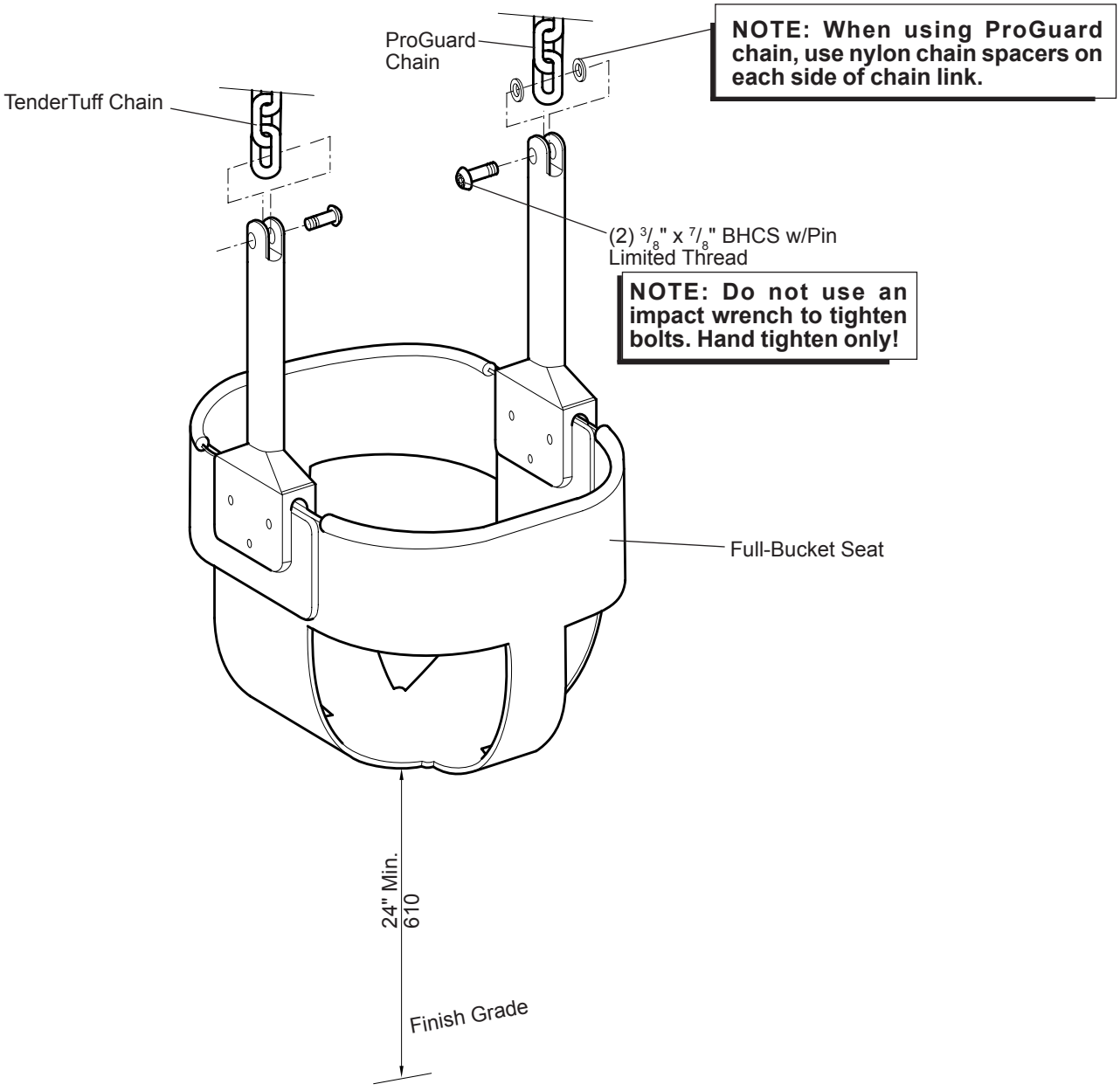
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**SAFETY NOTE**

Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

18985400




**Swings**

# 176038 Full-Bucket Seat, w/Chains



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# Swings 176038 Full-Bucket Seat, w/Chains

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| | **7 Ft. High Beam (5" Dia. Beam)** | |
| 186276 | Full-Bucket Swing Seat, Black | 1 |
| 141739 | 43 3/16" Chain, TenderTuff, Specify Color | 2 |
| 175248 | 43 3/16" Chain, ProGuard | 2 |
| **138414** | **Bucket Seat Hardware Package** | 1 |
| 100290 | 3/8" x 7/8" BHCS w/Pin Limited Thread, SST | 2 |
| 112501 | Chain Spacer (For ProGuard Chains Only) | 4 |
| | **8 Ft. High Beam** | |
| 186276 | Full-Bucket Swing Seat, Black | 1 |
| 160110 | 52 9/16" Chain, TenderTuff, Specify Color | 2 |
| 174882 | 52 9/16" Chain, ProGuard | 2 |
| **138414** | **Bucket Seat Hardware Package** | 1 |
| 100290 | 3/8" x 7/8" BHCS w/Pin Limited Thread, SST | 2 |
| 112501 | Chain Spacer (For ProGuard Chains Only) | 4 |
| | **10 Ft. High Beam** | |
| 186276 | Full-Bucket Swing Seat, Black | 1 |
| 152051 | 76 7/16" Chain, TenderTuff, Specify Color | 2 |
| 174883 | 76 7/16" Chain, ProGuard | 2 |
| **138414** | **Bucket Seat Hardware Package** | 1 |
| 100290 | 3/8" x 7/8" BHCS w/Pin Limited Thread, SST | 2 |
| 112501 | Chain Spacer (For ProGuard Chains Only) | 4 |
| | **7 Ft. High Beam (Tot)** | |
| 186276 | Full-Bucket Swing Seat, Black | 1 |
| 152053 | 37 1/2" Chain, TenderTuff, Specify Color | 2 |
| 175247 | 37 1/2" Chain, ProGuard | 2 |
| **138414** | **Bucket Seat Hardware Package** | 1 |
| 100290 | 3/8" x 7/8" BHCS w/Pin Limited Thread, SST | 2 |
| 112501 | Chain Spacer (For ProGuard Chains Only) | 4 |
| | **75" High Beam (Toddler)** | |
| 186276 | Full-Bucket Swing Seat, Black | 1 |
| 152016 | 29 7/8" Chain, TenderTuff, Specify Color | 2 |
| 174881 | 29 7/8" Chain, ProGuard | 2 |
| **138414** | **Bucket Seat Hardware Package** | 1 |
| 100290 | 3/8" x 7/8" BHCS w/Pin Limited Thread, SST | 2 |
| 112501 | Chain Spacer (For ProGuard Chains Only) | 4 |

## Specifications

**Full-Bucket Seat:** Seat shall be molded of U.V. stabilized, high quality, black rubber, encapsulating a 24 gauge stainless steel reinforcement plate. Handle cast from 356-T6 aluminum alloy with black polyarmor paint finish. Handle attaches to seat with (3) 1/4" x 1 5/16" long stainless steel rivets. The finished size of the full bucket shall be 9" deep x 10 1/2" wide.

**Chain/Coated:** Steel 3/16" straight link chain, 800 lb. working load limit. Finish: TenderTuff, color specified.

**Chain/ProGuard:** Steel 3/16" straight link chain, 800 lb. working load limit. Finish: ProGuard.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** 1/4 man hour per seat

**Weight:**
14 lbs. (7 FT. Beam 5" Dia. w/TenderTuff Chain)
13 lbs. (7 FT. Beam 5" Dia. w/ProGuard Chain)
14 lbs. (8 FT. Beam w/TenderTuff Chain)
14 lbs. (8 FT. Beam w/ProGuard Chain)
17 lbs. (10 FT. Beam w/TenderTuff Chain)
16 lbs. (10 FT. Beam w/ProGuard Chain)
12 lbs. (7 FT. Beam w/TenderTuff Chain)
12 lbs. (7 FT. Beam w/ProGuard Chain)
11 lbs. (75" Beam w/TenderTuff Chain)
11 lbs. (75" Beam w/ProGuard Chain)

## Installation Instructions

**Swing Hangers with Double Clevis**

1) Attach chains to double clevis using 3/8" x 1 1/4" BHCS w/pin limited thread bolts, as shown.
2) Attach chains to full-bucket seat using 3/8" x 7/8" BHCS w/pin limited thread bolts. Be sure bolt heads face user. **NOTE:** *Use chain spacers as shown when installing ProGuard chains.*
3) Install protective surfacing before users are allowed to play on the structure.

**Anti-wrap Swing Hangers**

1) Attach chains to aluminum clevis using 3/8" x 7/8" BHCS w/pin limited thread bolts, as shown.
2) Attach chains to full-bucket seat using 3/8" x 7/8" BHCS w/pin limited thread bolts. Be sure bolt heads face user. **NOTE:** *Use chain spacers as shown when installing ProGuard chains.*
3) Install protective surfacing before users are allowed to play on the structure.



2/10/2016 Added Hand Tighten Only Note.

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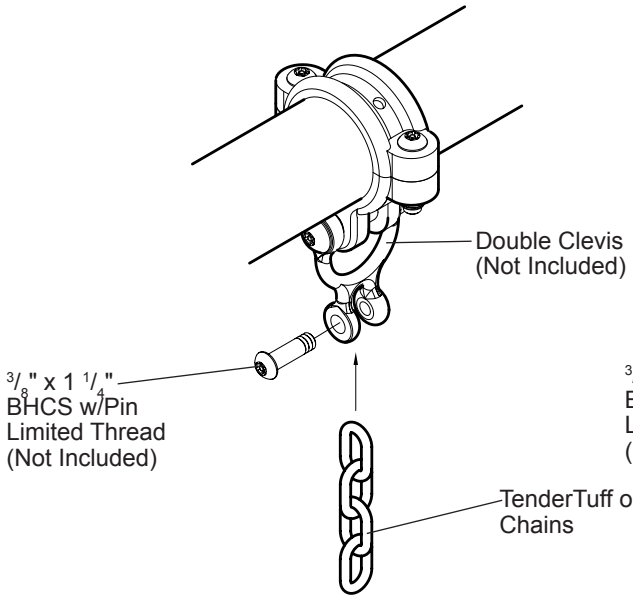
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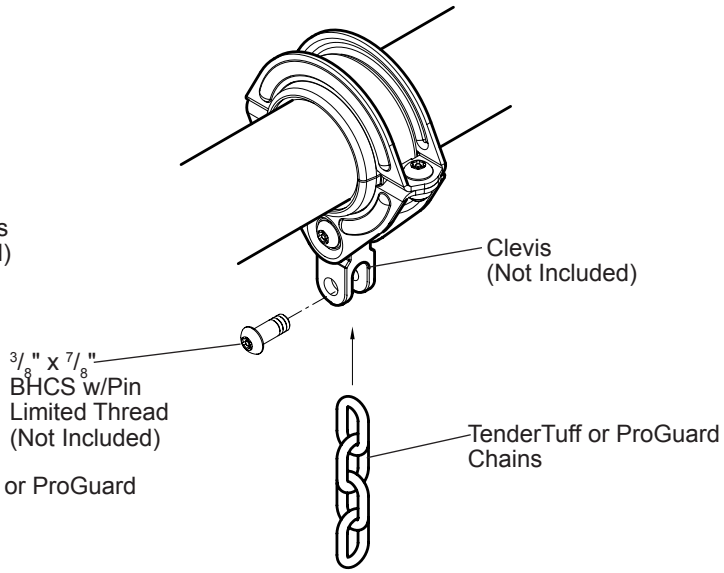
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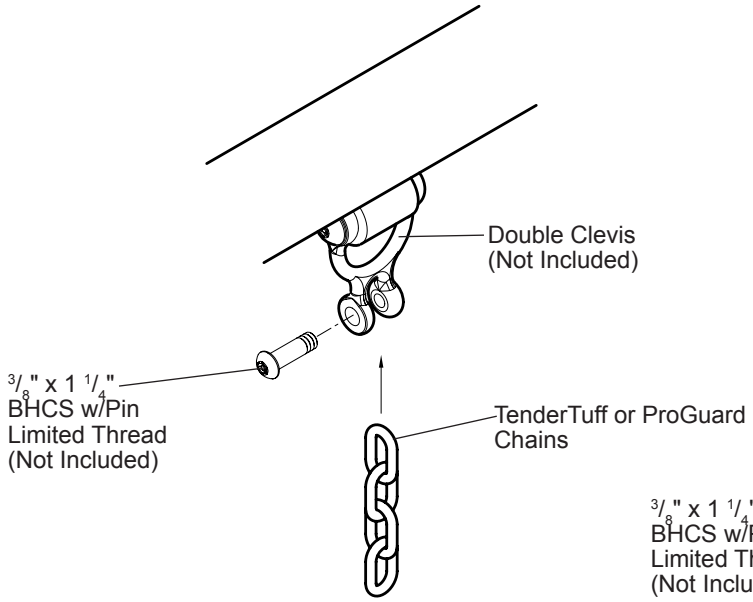
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

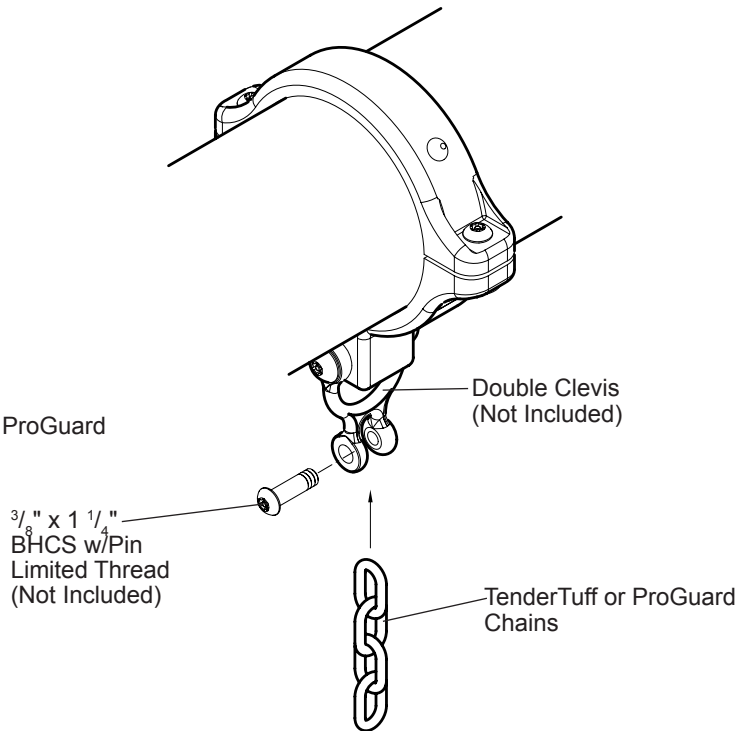
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# SWING HANGER OPTIONS






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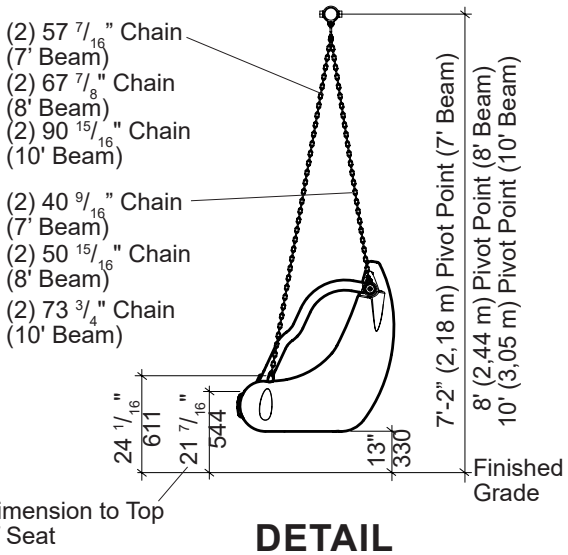
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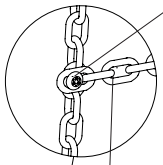
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

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## ELEVATION

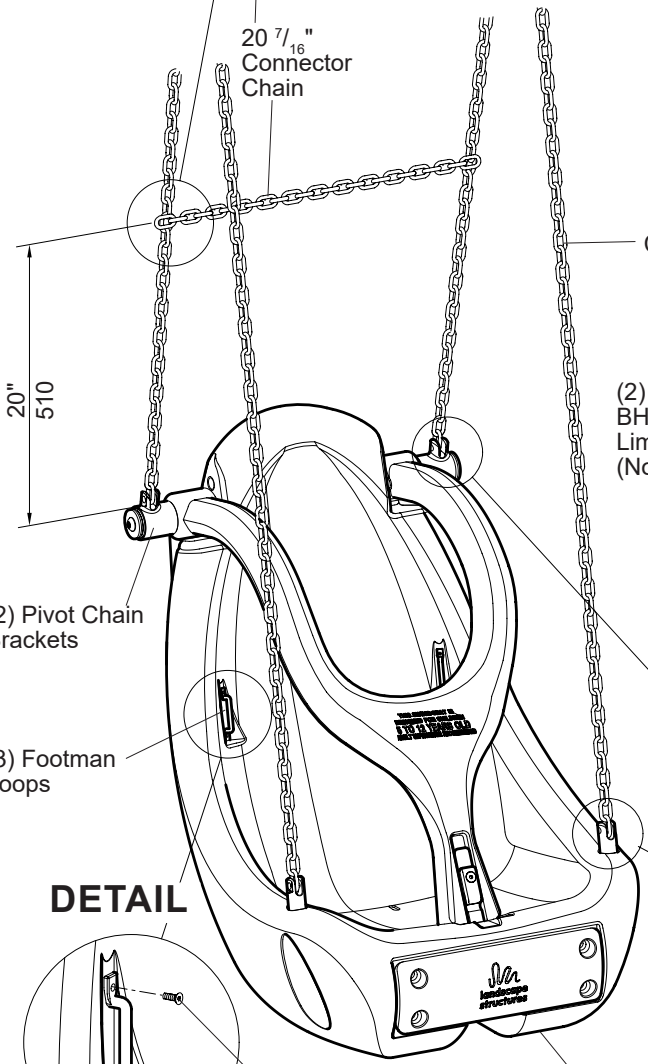



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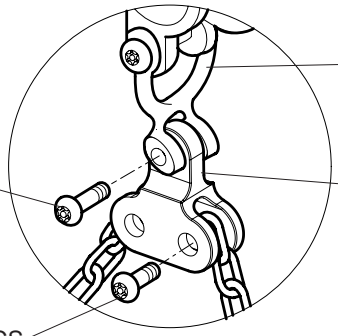


**(ProGuard Chain)**
(2) 3/8" x 7/8" BHCS w/Pin & 3/8" Hex Jam Nuts

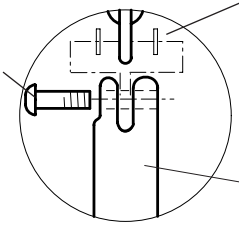
**(TenderTuff Chain)**
(2) 3/8" x 1 1/8" BHCS w/Pin & 3/8" Standard Hex Nuts w/ 3/8" SAE Flat Washers




## DETAIL
### HANGER ASSEMBLY




## DETAIL
### BRACKET

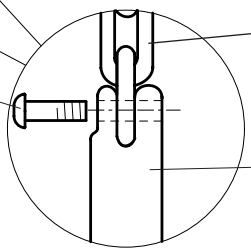



**NOTE: For ProGuard chain, insert (8) nylon spacers between chain links & brackets**

## DETAIL




## DETAIL
### BRACKET




**Swings**

# 177351 Molded Bucket Seat, w/Harness



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Document #25974300

# Swings 177351 Molded Bucket Seat, w/Harness

## Parts List

| Part# | Description | Qty. |
|---|---|---|
| 259433 | Molded Bucket Seat Assembly, Specify Color | 1 |
| | **7 Ft. High Beam - ProGuard Finished Chains** | |
| 175251 | 57 7/16" Long, (Front) | 2 |
| 193869 | 40 9/16" Long, (Back) | 2 |
| 175653 | 20 7/16" Long, (Connector) | 1 |
| | **8 Ft. High Beam - ProGuard Finished Chains** | |
| 174404 | 67 7/8" Long, (Front) | 2 |
| 175619 | 50 15/16" Long, (Back) | 2 |
| 175653 | 20 7/16" Long, (Connector) | 1 |
| | **10 Ft. High Beam - ProGuard Finished Chains** | |
| 174884 | 90 11/16" Long, (Front) | 2 |
| 175623 | 73 3/4" Long, (Back) | 2 |
| 175653 | 20 7/16" Long, (Connector) | 1 |
| | **7 Ft. High Beam - TenderTuff Chains** | |
| 178679 | 57 7/16" Long, (Front), Specify Color | 2 |
| 179286 | 40 9/16" Long, (Back), Specify Color | 2 |
| 174571 | 20 7/16" Long, (Connector), Specify Color | 1 |
| | **8 Ft. High Beam - TenderTuff Chains** | |
| 152050 | 67 7/8" Long, (Front), Specify Color | 2 |
| 174572 | 50 15/16" Long, (Back), Specify Color | 2 |
| 174571 | 20 7/16" Long, (Connector), Specify Color | 1 |
| | **10 Ft. High Beam -TenderTuff Chains** | |
| 152052 | 90 11/16" Long, (Front), Specify Color | 2 |
| 175621 | 73 3/4" Long, (Back), Specify Color | 2 |
| 174571 | 20 7/16" Long, (Connector), Specify Color | 1 |
| **225662** | **Molded Seat w/Yoke Hardware Package** | 1 |
| 100196 | 3/8" x 7/8" BHCS w/Pin, SST | 2 |
| 100198 | 3/8" x 1 1/8" BHCS w/Pin, SST | 2 |
| 100290 | 3/8" x 7/8" BHCS w/Pin Limited Thread, SST | 8 |
| 100327 | 3/8" Standard Hex Nut, SST | 2 |
| 100365 | 3/8" SAE Flat Washer, SST | 6 |
| 106035 | Seat Mounting Bracket | 2 |
| 112501 | Nylon Spacer | 8 |
| 128296 | 3/8" Hex Jam Nut, SST | 2 |
| 207709 | Footman Loop, SST | 3 |
| 160307 | Double Pivot Block Assy. | 2 |
| 162462 | #10-24 x 1/2" Flat Head Screw, SST | 6 |

## Specifications

**Bucket Seat Assy.:** **(Bucket Seat & Yoke)** Rotationally molded from U.V. stabilized linear low density polyethylene, color specified. **(Pipebolt)** Made from 1.125" O.D. 6005-T5 threaded annodized aluminum tube. **(Bearings)** UHMW PE lubricated. **(Brackets)** Made from 356-T6 aluminum.

**Chain/ProGuard:** Steel 3/16" straight link chain, 800 lb. working load limit. Finish: ProGuard.

**Chain/Coated:** Steel 3/16" straight link chain, 800 lb. working load limit. Finish: TenderTuff, color specified.

**Seat Mounting Bracket:** Cast from 535 aluminum magnesium.

**Bumper:** Molded from U.V. stabilized black EPDM rubber encapsulating 11 GA (.120") HRPO steel sheet.

**Dbl. Pivot Block:** Fabricated from 6061-T6 Aluminum with bronze oil impregnated bearing.

**Fasteners:** Primary fasteners shall be socketed and pinned tamperproof in design, stainless steel (SST) per ASTM F 879 unless otherwise indicated (see specific product installation/specifications).

**Installation Time:** Approx. 1 man hour

**Weight:** 50 lbs. (7 Ft. Beam w/ProGuard Chains)
53 lbs. (7 Ft. Beam w/TenderTuff Chains)
48 lbs. (8 Ft. Beam w/ProGuard Chains)
51 lbs. (8 Ft. Beam w/TenderTuff Chains)
51 lbs. (10 Ft. Beam w/ProGuard Chains)
55 lbs. (10 Ft. Beam w/TenderTuff Chains)

## Installation Instructions

1) Insert seat mounting brackets into molded-in holes in front of bucket seat and attach ends of chain, using 3/8" x 7/8" BHCS w/pin limited thread. See Bracket Detail. **NOTE:** *For ProGuard coated chain, insert (4) nylon spacers between chain links and brackets.*

2) Attach ends of chain to pivot chain brackets, using 3/8" x 7/8" BHCS w/pin limited thread. See Bracket Detail. **NOTE:** *For ProGuard coated chain, insert (4) nylon spacers between chain links and brackets.*

3) Attach chains to double pivot blocks, using 3/8" x 7/8" BHCS w/pin limited thread.

4) **(Swing Hangers with Double Clevis)** Attach chains to swing hanger double clevis, using 3/8" x 1 1/4" BHCS w/pin limited thread.

   **(Anti-wrap Swing Hangers)** Attach chains to anti-wrap swing hanger clevis, using 3/8" x 7/8" BHCS w/pin limited thread.

5) **(ProGuard Chain)** Attach connector chain to back swing chains at dimension shown, using 3/8" x 7/8" BHCS w/pin & 3/8" jam nuts. Refer to Detail.

   **(TenderTuff Chain)** Attach connector chain to back swing chains at dimension shown, using 3/8" x 1 1/8" BHCS w/pin & 3/8" standard hex nuts with 3/8" SAE Flat Washers. Refer to Detail.

6) Attach footman loops, using #10-24 x 1/2" flat head screws, as shown. Footman loops are used for seat belts (not included).

7) Attach bumper to front of swing seat, using 3/8" x 7/8" BHCS w/pin with 3/8" SAE Flat Washers.

8) Install protective surfacing before users are allowed to play on the structure.

Specifications are subject to change without notice.

ECO 0101646. Document 25974300 replaces 22554400. Added age appropriate message to swing yoke.

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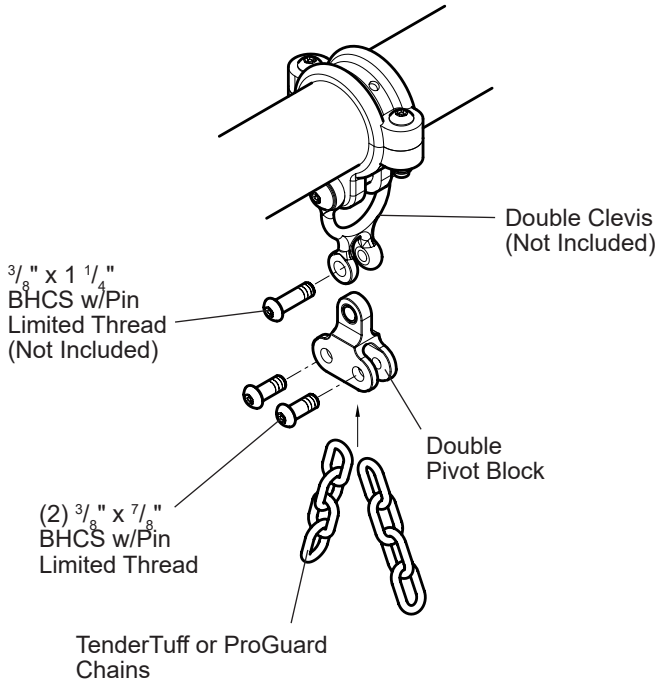
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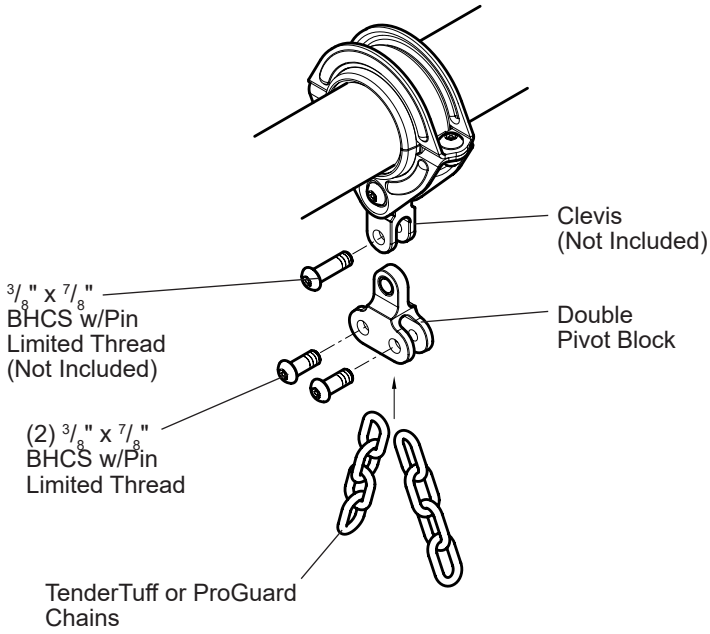
**SAFETY NOTE**

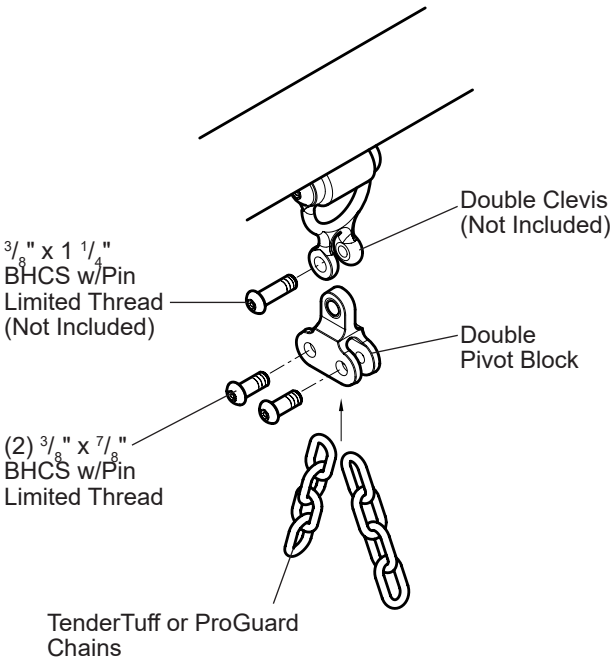
Choose a protective surfacing material that has a Critical Height Value of at least the height of the Highest Accessible Part/Fall Height of the adjacent equipment. (Ref. *ASTM F1487*.)

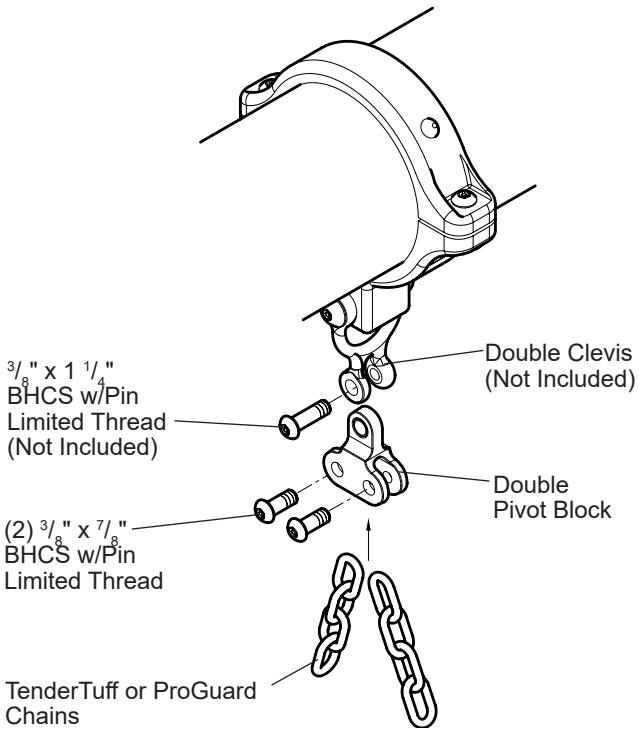
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# SWING HANGER OPTIONS







601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185



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