

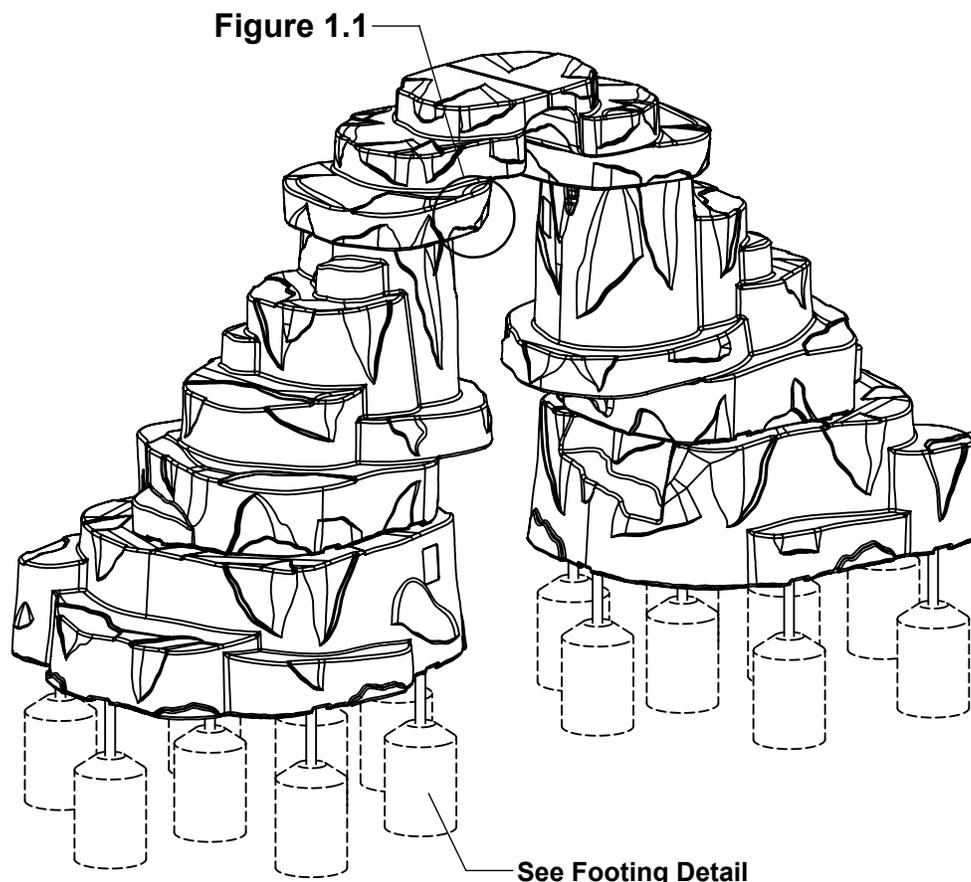
**IMPORTANT NOTES: Read First**

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

(B) Do not pour concrete until the equipment is completely assembled, leveled and plumbed. Concrete must be allowed to cure completely before using the equipment (at least 72 hours).

(C) An appropriate energy absorbing safety surface is required under and around all playground equipment. Loose fill protective surfacing is shown only as an example for the purpose of this assembly instruction. Other surfacing material may vary in thickness and/or compression depths. See free publication - The Handbook for Public Playground Safety, Publication #325 at [www.cpsc.gov](http://www.cpsc.gov) for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

**FIGURE 1  
Boulder Stack**



**NOTE:** Boulder Stack 90" shown.  
Other configurations will vary slightly,  
but does not affect assembly.

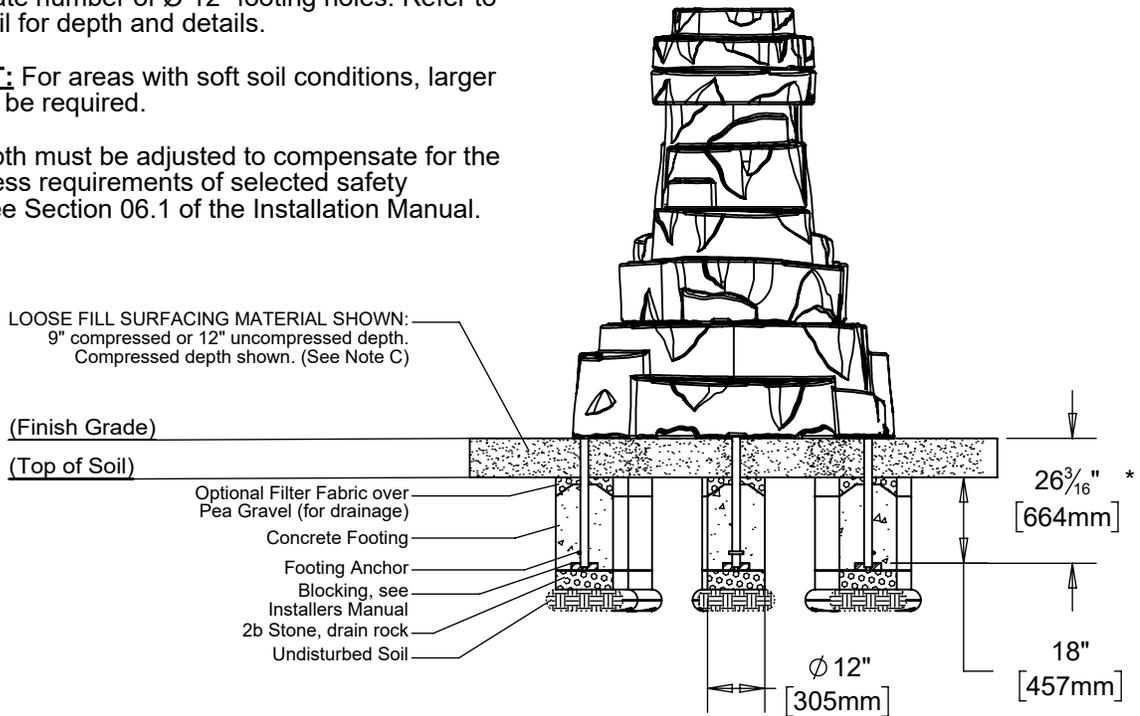
# Step 1

Refer to Footing Layout and mark footing hole locations. Dig appropriate number of Ø 12" footing holes. Refer to Footing Detail for depth and details.

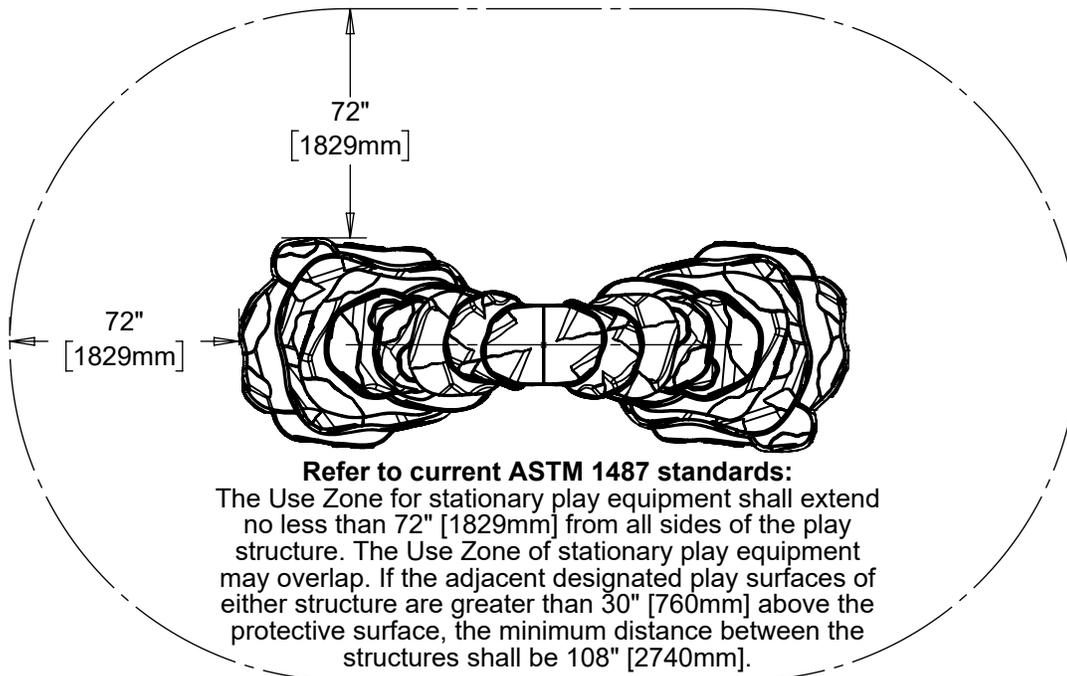
**IMPORTANT:** For areas with soft soil conditions, larger footings may be required.

\* Footing depth must be adjusted to compensate for the depth/thickness requirements of selected safety surfacing. See Section 06.1 of the Installation Manual.

## Footing Detail



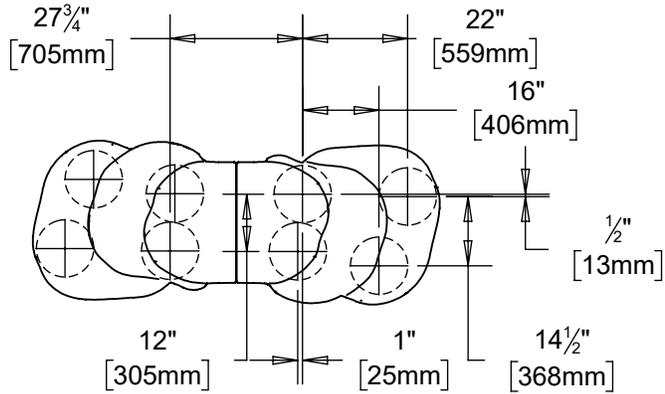
## Top View 72" [1829mm] Use Zone Recommended



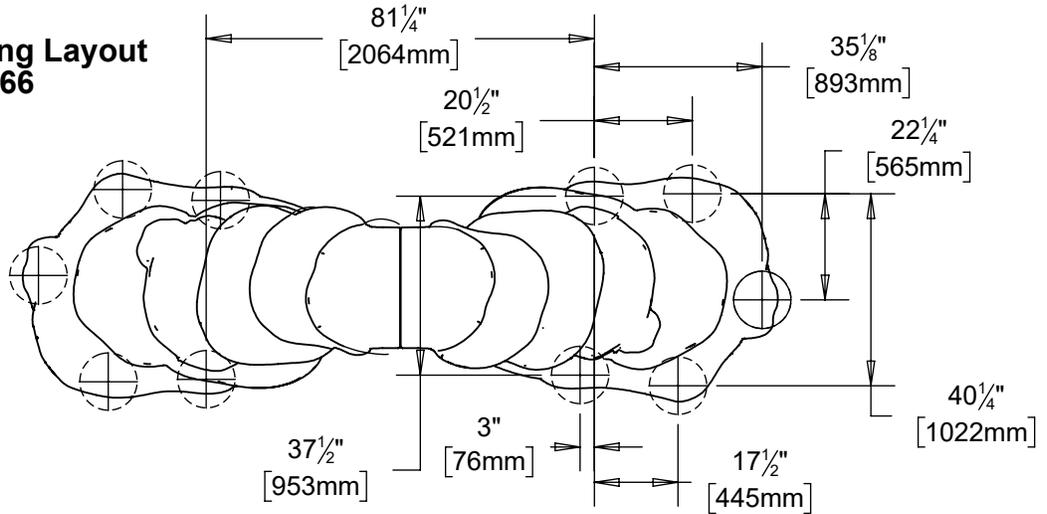
# BOULDER STACK INSTALLATION INSTRUCTIONS

**PC-2272**  
Page 3 of 7

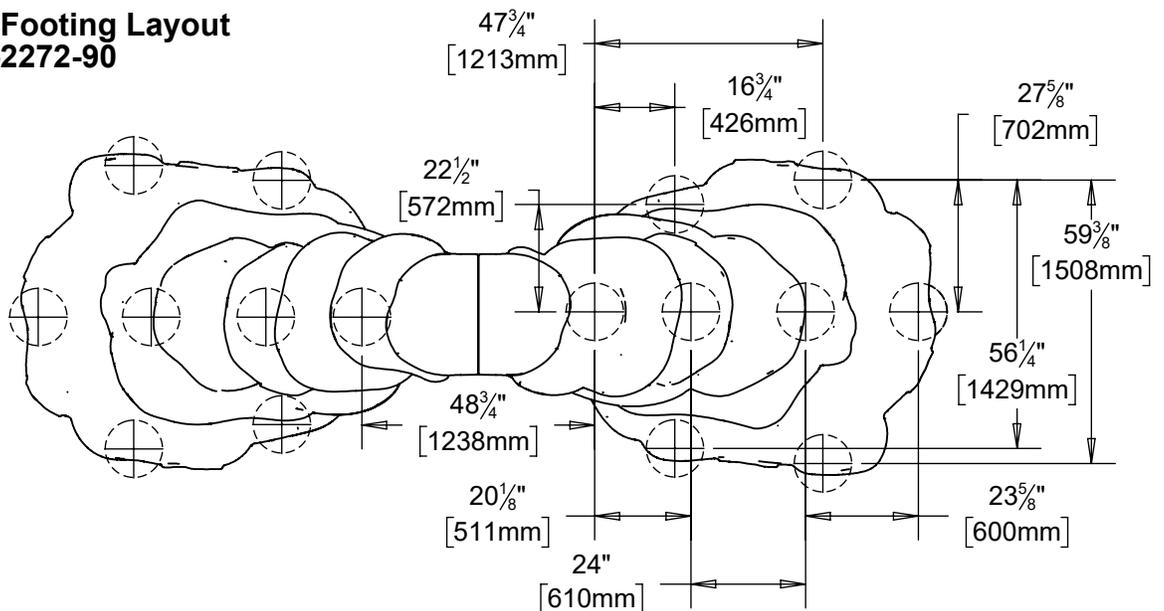
**Top View - Footing Layout  
PC-2272-20**



**Top View - Footing Layout  
PC-2272-66**



**Top View - Footing Layout  
PC-2272-90**



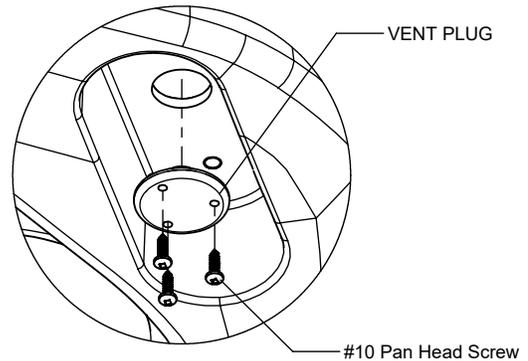
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For Customer Service Call  
800.333.8519 (U.S.A.) or 541.955.9199 (International)

**Rev B**  
12/26/2018

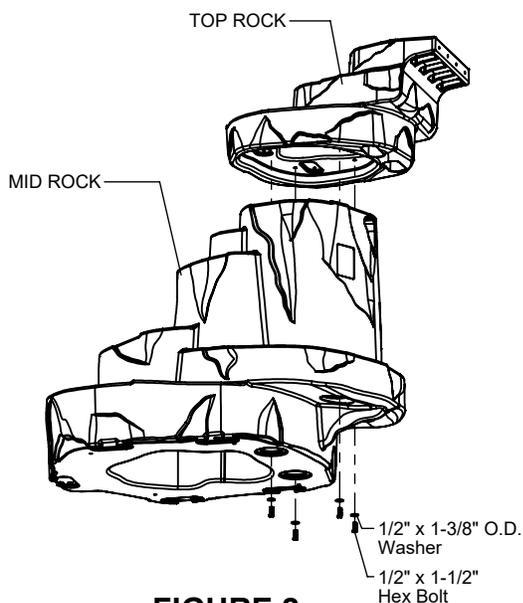
## Step 2 (Factory Assembled)

### For 66" and 90" Stacks Only

Attach Vent Plugs to Top Rocks as shown in Figure 1.1.



**Figure 1.1**

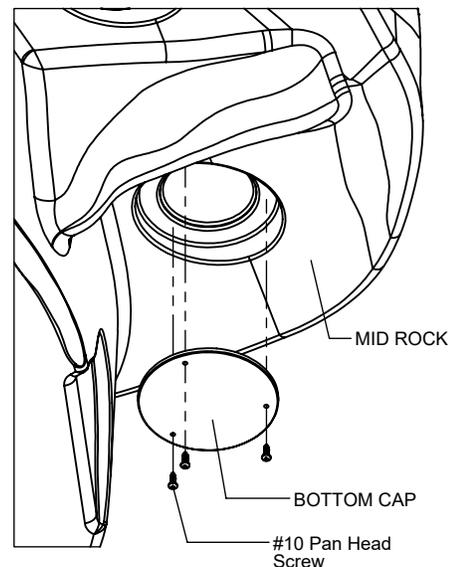


**FIGURE 2**

## Step 3 (Factory Assembled)

### For 66" and 90" Stacks Only

Attach Top Rocks to Mid Rocks as shown in Figure 2. (See Note A)



**FIGURE 3**

## Step 4 (Factory Assembled)

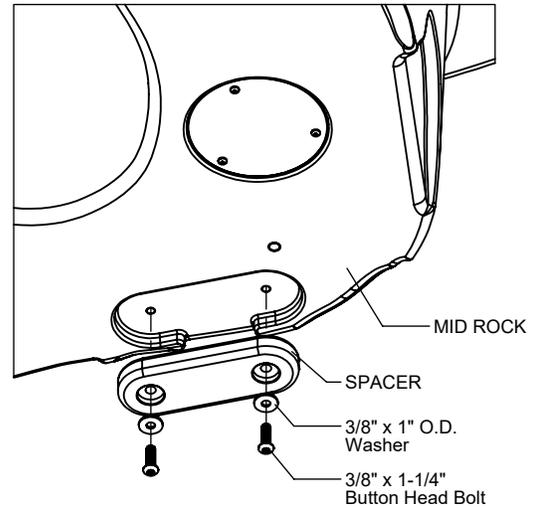
### For 66" and 90" Stacks Only

Attach Bottom Caps to Mid Rocks as shown in Figure 3.

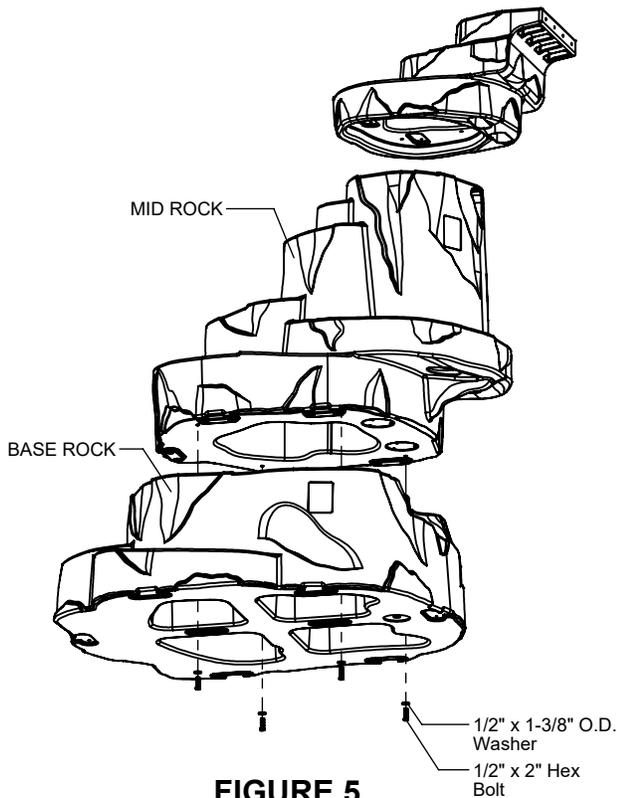
## Step 5

### For 90" Stacks Only

Attach Spacers to Mid Rocks as shown in Figure 4.  
(See Note A)



**FIGURE 4**



**FIGURE 5**

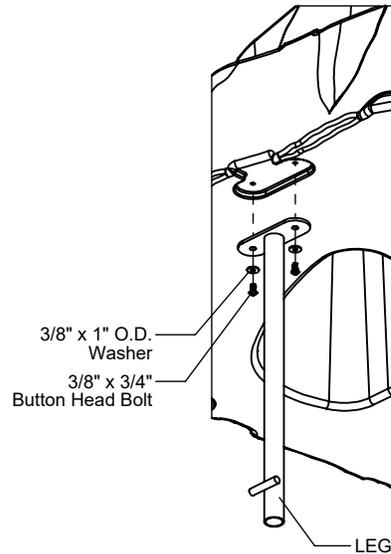
## Step 6

### For 90" Stacks Only

Attach Mid Rocks to Base Rocks as shown in Figure 5.  
(See Note A)

## Step 7

Attach Legs to bottom of Rocks as shown in Figure 6.  
Place Boulder Stacks into footing holes.  
(See Notes A & B)



**FIGURE 6**

## Step 8

Attach Top Rocks together as shown in Figure 7.  
(See Note A)

## Step 9

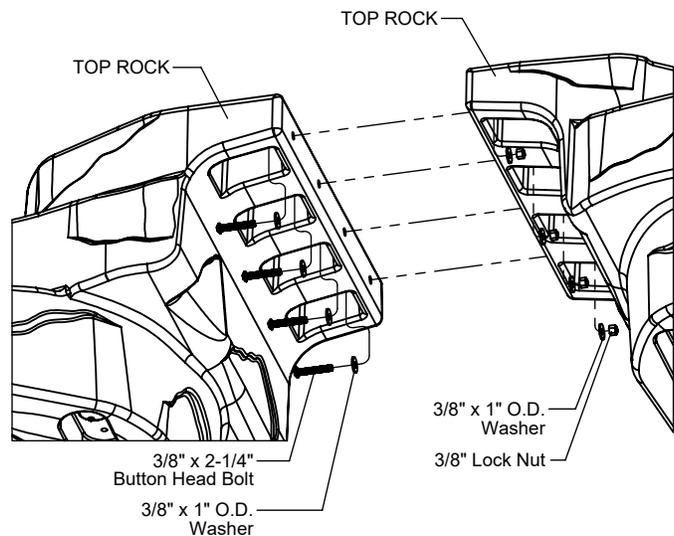
Fully tighten all fasteners according to the  
"TIGHTENING TORQUE FOR HARDWARE"  
section of the Installation Manual.

## Step 10

Plumb and level entire component. Pour concrete  
into footing holes. Allow at least 72 hours to cure  
before using this equipment. (See Note B)

## Step 11

Place required protective surfacing under and  
around Boulder Stack. (See Note C)



**FIGURE 7**

### Parts List

| PC-2272-20 |  |      |
|------------|--|------|
| Part #     | DESCRIPTION                              | QTY. |
| DE-0034    | Top Rock                                 | 2    |
| FS-1290    | Boulder Stack Leg                        | 8    |
| 9103032-TR | Bolt Button Head 3/8" x 3/4"             | 16   |
| 9103102-TR | Bolt Button Head 3/8" x 2-1/4"           | 4    |
| 9333002    | Washer Flat 3/8" x 1" O.D. x .100" thick | 24   |
| 9413002    | Nut Lock 3/8"                            | 4    |

| PC-2272-66 |  |      |
|------------|--|------|
| Part #     | DESCRIPTION                              | QTY. |
| FS-1290    | Boulder Stack Leg                        | 10   |
| 9103032-TR | Bolt Button Head 3/8" x 3/4"             | 20   |
| 9103102-TR | Bolt Button Head 3/8" x 2-1/4"           | 4    |
| 9333002    | Washer Flat 3/8" x 1" O.D. x .100" thick | 28   |
| 9413002    | Nut Lock 3/8"                            | 4    |

| PC-2272-90 |  |      |
|------------|--|------|
| Part #     | DESCRIPTION                              | QTY. |
| DE-0032    | Base Rock                                | 2    |
| EE-0214    | Rock Spacer                              | 10   |
| FS-1290    | Boulder Stack Leg                        | 16   |
| 9103032-TR | Bolt Button Head 3/8" x 3/4"             | 32   |
| 9103062-TR | Bolt Button Head 3/8" x 1-1/4"           | 20   |
| 9103102-TR | Bolt Button Head 3/8" x 2-1/4"           | 4    |
| 9125092    | Bolt Hex 1/2" x 2"                       | 8    |
| 9333002    | Washer Flat 3/8" x 1" O.D. x .100" thick | 60   |
| 9335062-5  | Washer Flat 1/2" x 1-3/8" OD             | 8    |
| 9413002    | Nut Lock 3/8"                            | 4    |

### Assembled Parts List

| PC-2272-66 |                               |      |
|------------|-------------------------------|------|
| Part #     | DESCRIPTION                   | QTY. |
| DE-0033    | Mid Rock                      | 2    |
| DE-0034    | Top Rock                      | 2    |
| EE-0204    | Boulder Stack Bottom Cap      | 8    |
| EE-4867    | Geo-Wave Vent Plug            | 2    |
| 9125072    | Bolt Hex 1/2" x 1-1/2"        | 8    |
| 9251032    | Screw SQ #10x3/4 DR PH SMS SS | 30   |
| 9335062-5  | Washer Flat 1/2" x 1-3/8" OD  | 8    |

| PC-2272-90 |                               |      |
|------------|-------------------------------|------|
| Part #     | DESCRIPTION                   | QTY. |
| DE-0033    | Mid Rock                      | 2    |
| DE-0034    | Top Rock                      | 2    |
| EE-0204    | Boulder Stack Bottom Cap      | 8    |
| EE-4867    | Geo-Wave Vent Plug            | 2    |
| 9125072    | Bolt Hex 1/2" x 1-1/2"        | 8    |
| 9251032    | Screw SQ #10x3/4 DR PH SMS SS | 30   |
| 9335062-5  | Washer Flat 1/2" x 1-3/8" OD  | 8    |

### Specifications

#### BOULDER STACK LEG:

Shall be fabricated using 1.660" O.D. 11 gauge steel tubing with a welded 1/4" thick steel mounting plate. The Boulder Stack Leg shall have a multi-stage baked-on powder coat finish.

#### BOULDER STACK BOTTOM CAP:

Shall be made from high density 3/4" sheet plastic specially formulated for optimum UV stability and color retention.

#### GEO WAVE VENT PLUG:

Shall be made from high density 3/4" sheet plastic specially formulated for optimum UV stability and color retention.

#### ROCK SPACER:

Shall be made from high density 1" sheet plastic specially formulated for optimum UV stability and color retention.

#### TOP, MID & BASE ROCK:

Shall be constructed of UV-stabilized, rotationally molded, linear, low density polyethylene with an average wall thickness of .250".

#### HARDWARE:

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

### Maintenance

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

