

Assembly View (representative model)

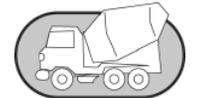
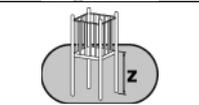
Installation Instructions

Universal Models UN8628, UN8646 and UN8647
Above Ground PlayCube Metal
1 Sided, 2 Sided and 3 Sided Connections

Installation Preparation

Recommended Crew: Four (4) adults
 Installation Time (UN8628):..... 2 man-hours
 Installation Time (UN8646):..... 2.25 man-hours
 Installation Time (UN8647):..... 2.5 man-hours
 Use Zone:..... See the master layout drawing
 User Group Age (single cube):..... ASTM/CSA: 2-12, EN: 2-14
 User Group Age (multiple cubes):..... ASTM/CSA: 5-12, EN: 6-14

ICON KEY

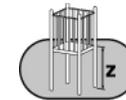
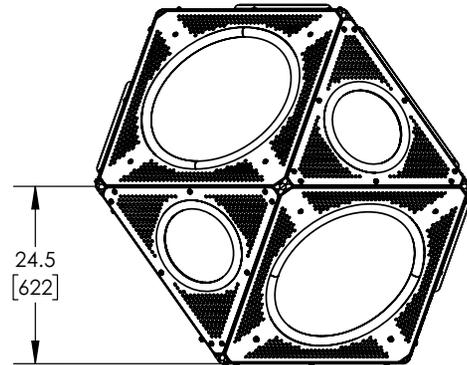
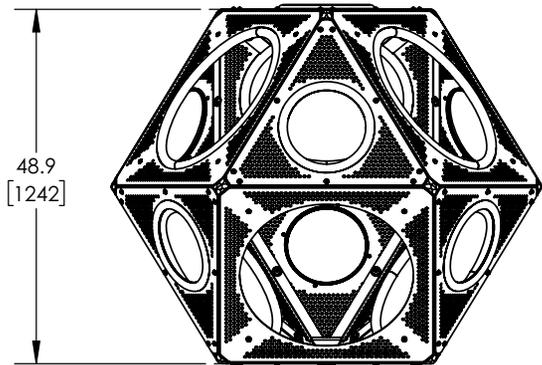
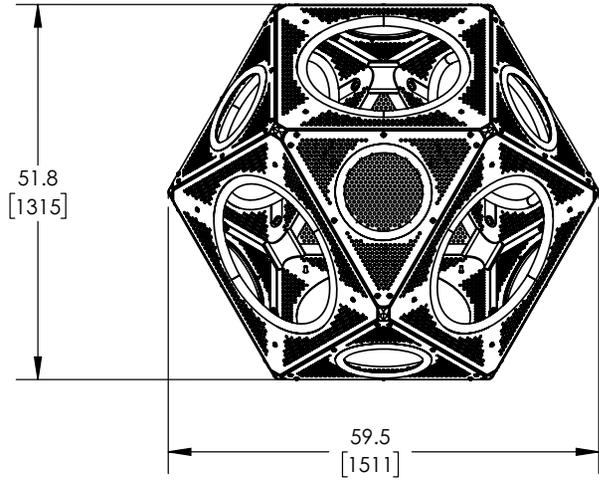
	Fully Tighten Hardware		Add 1 Drop of Thread Locking Adhesive
	Do Not Fully Tighten Hardware		Pour Concrete
	Drill		Dig Footing Holes
	Hammer		Critical Fall Height

Installation Instructions

KEY

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

Top View



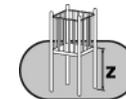
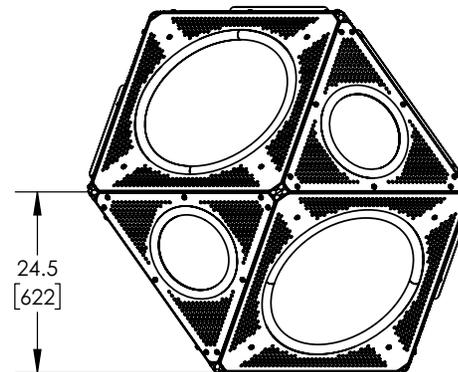
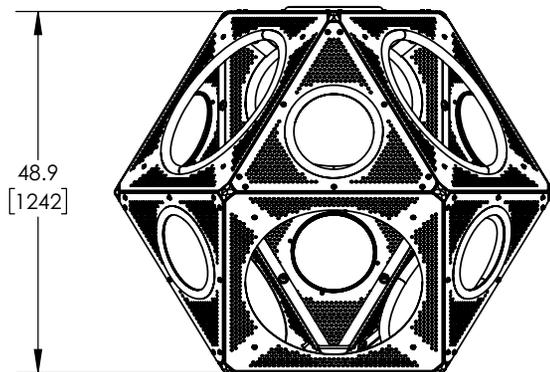
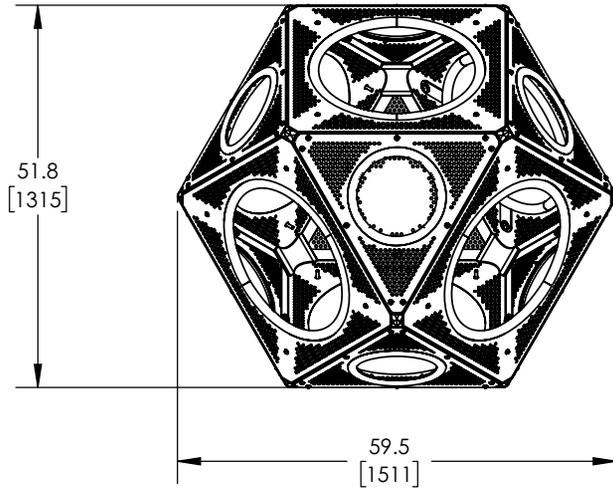
49" (1245 mm)
Sitting as shown

Elevation Views
ZZUN8628

Installation Instructions

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

Top View



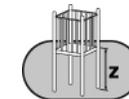
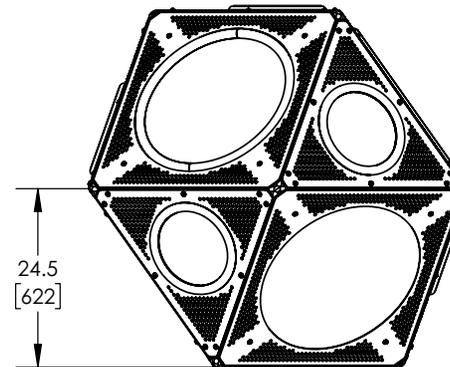
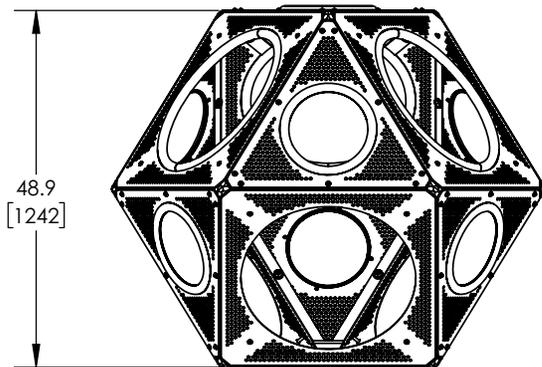
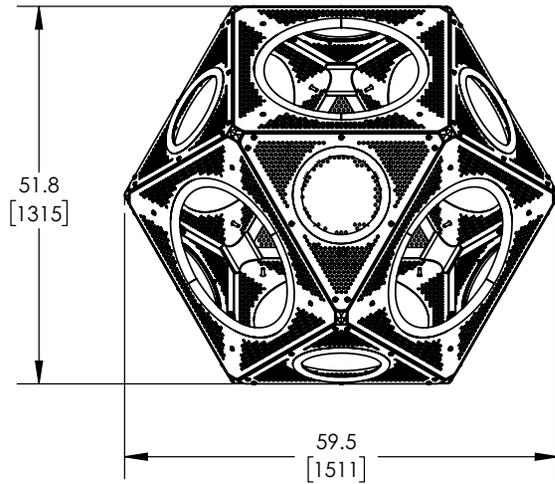
49" (1245 mm)
Sitting as shown

Elevation Views
ZZUN8646

Installation Instructions

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

Top View

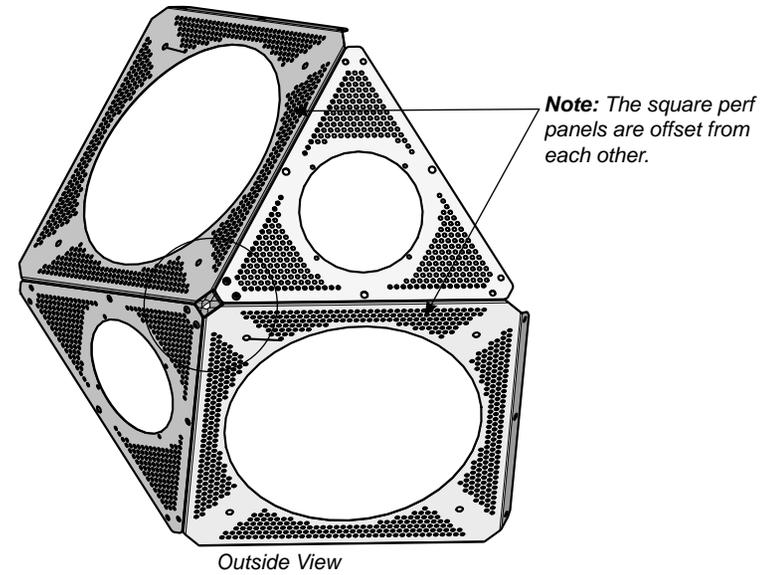
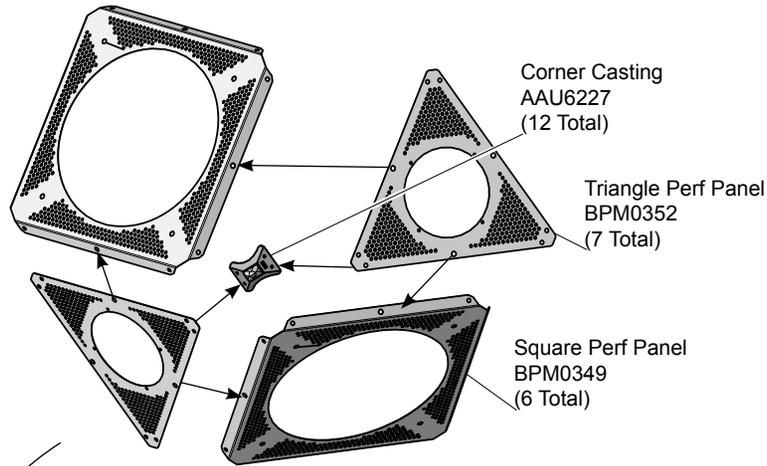


49" (1245 mm)
Sitting as shown

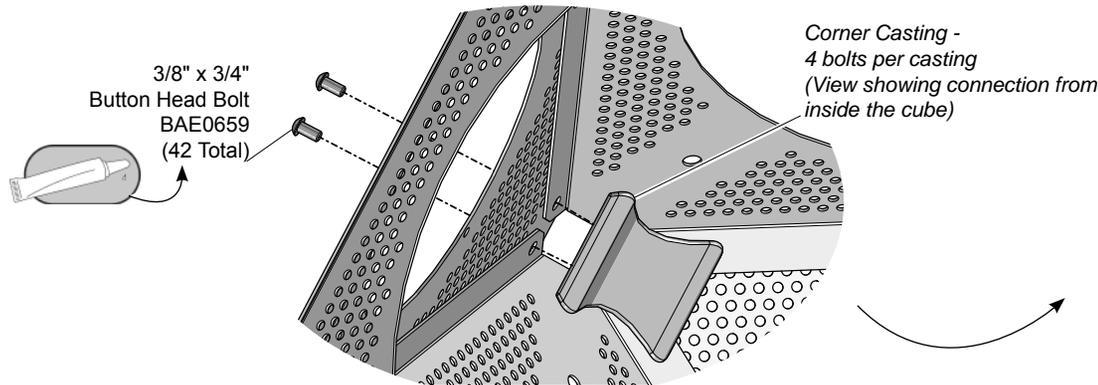
Elevation Views
ZZUN8647

Installation Instructions

Follow the details in alphabetical order. For clarification, each detail references the step description. The step descriptions start on page 10.

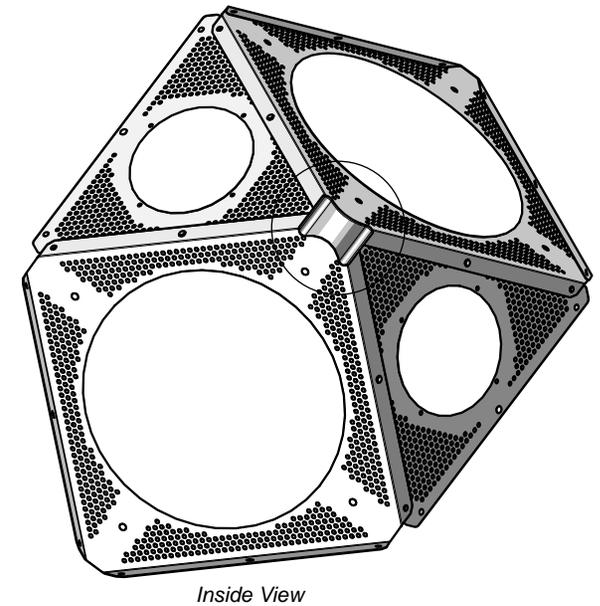


Assemble the cube, starting with two square perf panels and two triangle panels and build off of that. **Do not install the footing triangle perf panel (on the bottom of the cubes assembly) until Step 4.**

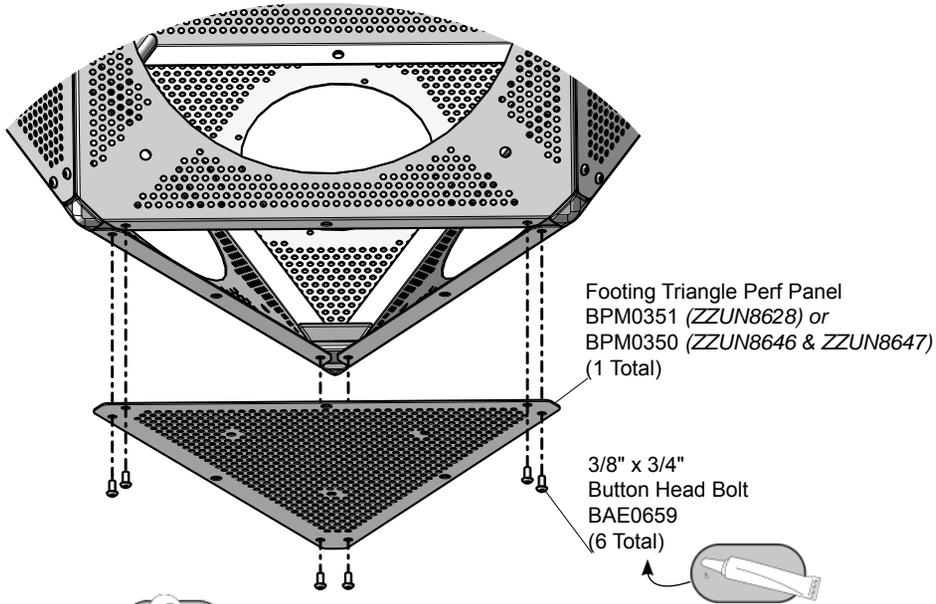


Detail A
Step 3

Attach the corner castings to the perf panels.

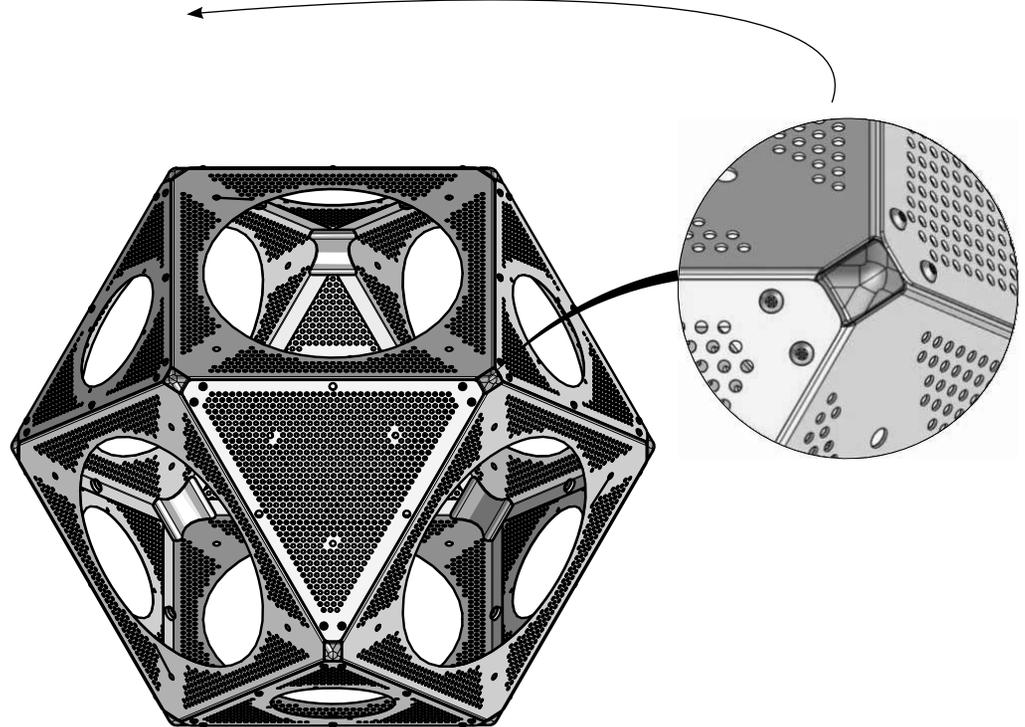


Installation Instructions



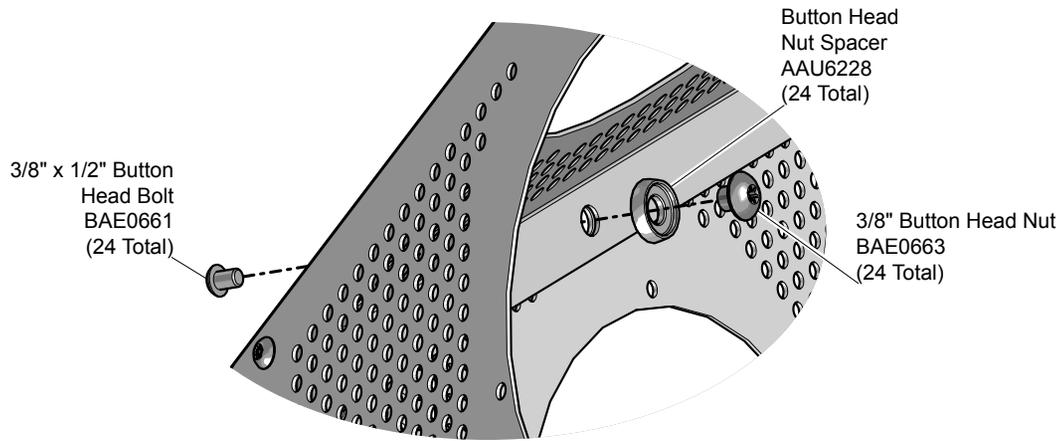
Detail B Step 4

Attach the footing perf panel to the bottom of the cube assembly (connections through corner castings only).



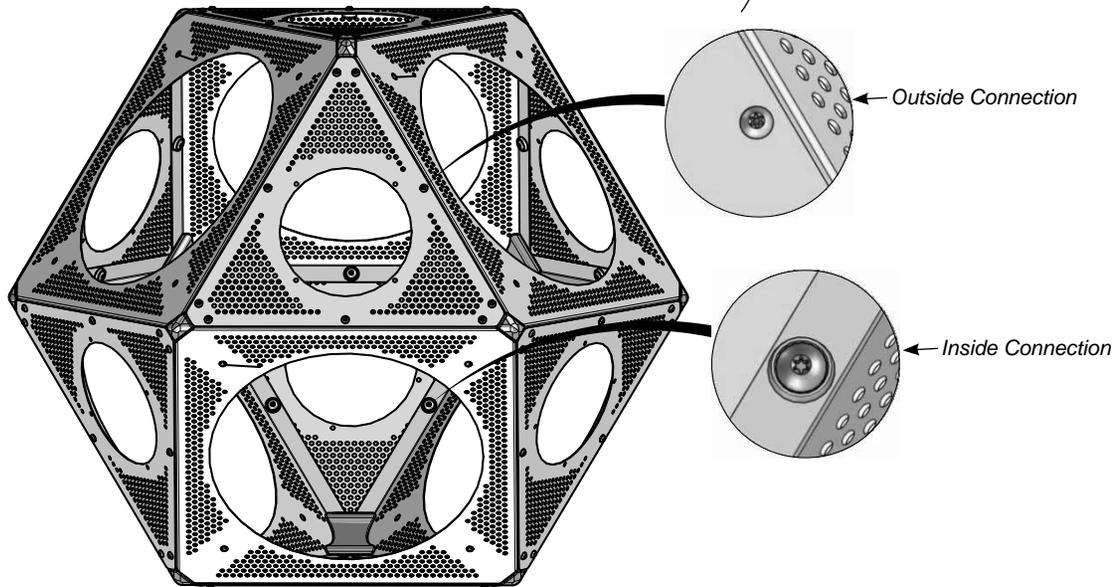
View showing bottom of cube assembly.

Installation Instructions

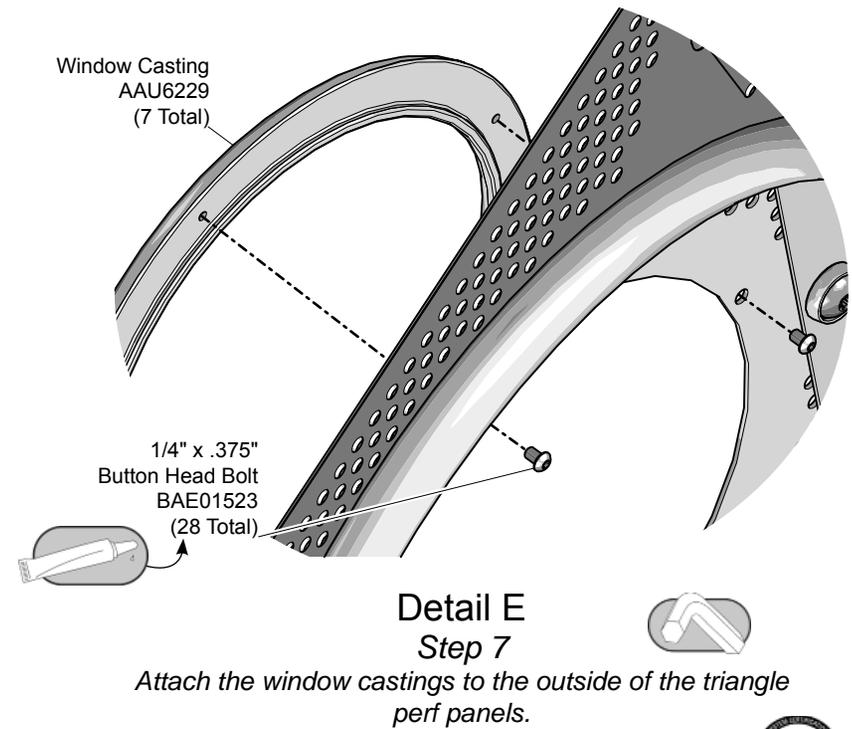
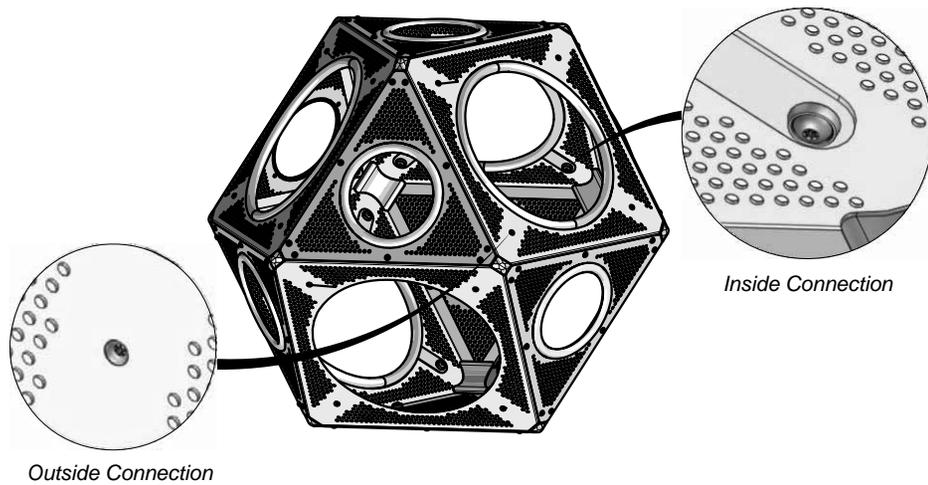
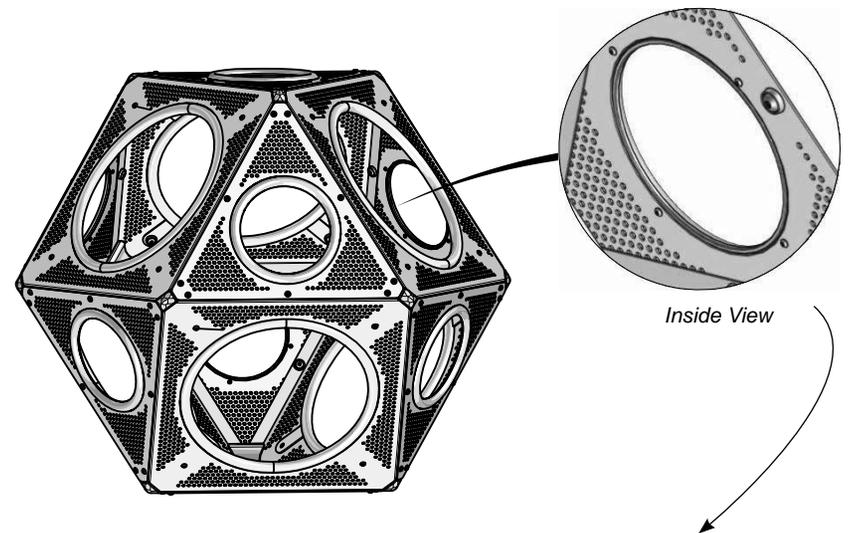
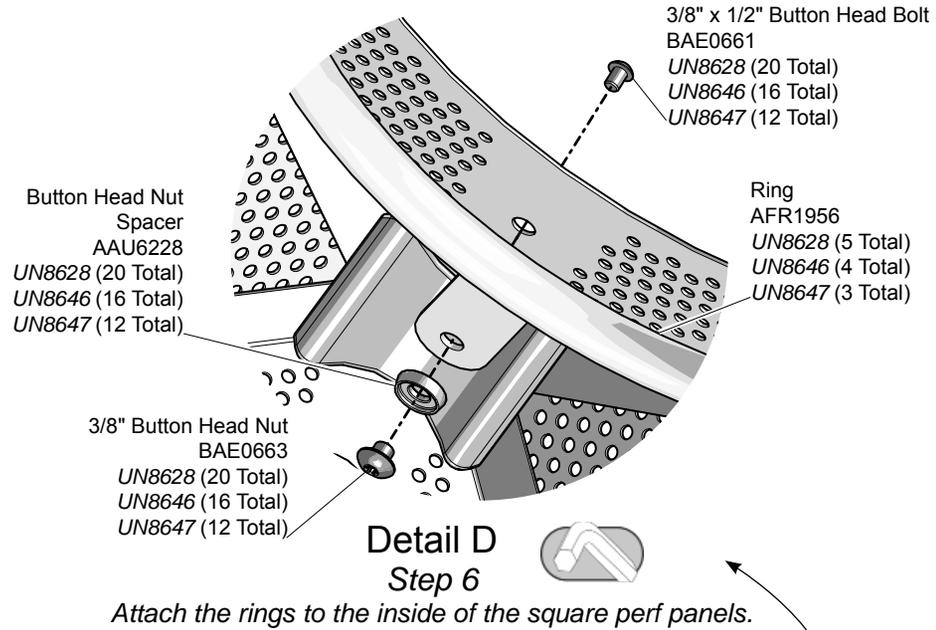


Detail C Step 5

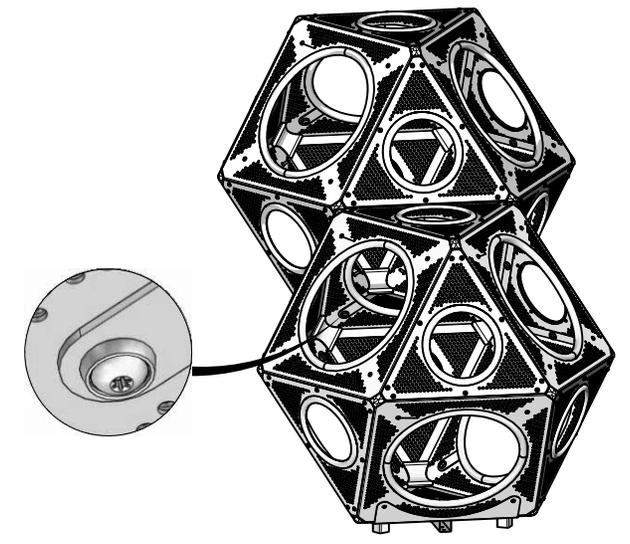
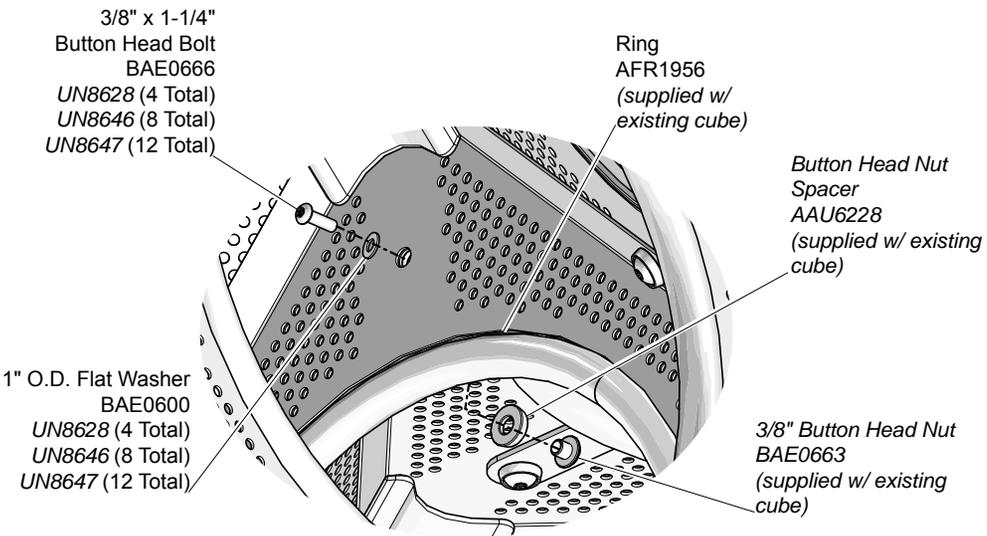
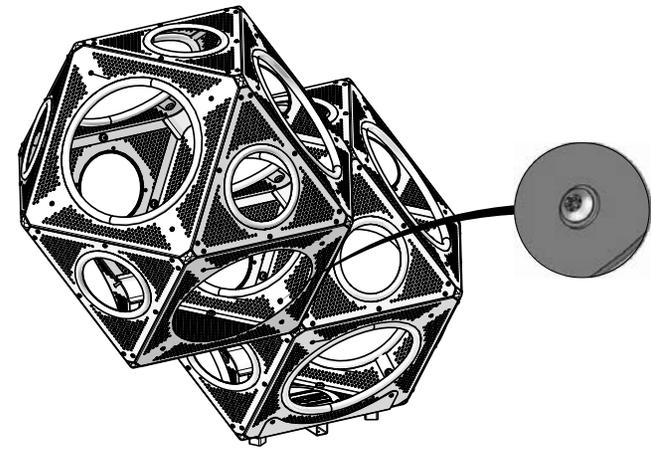
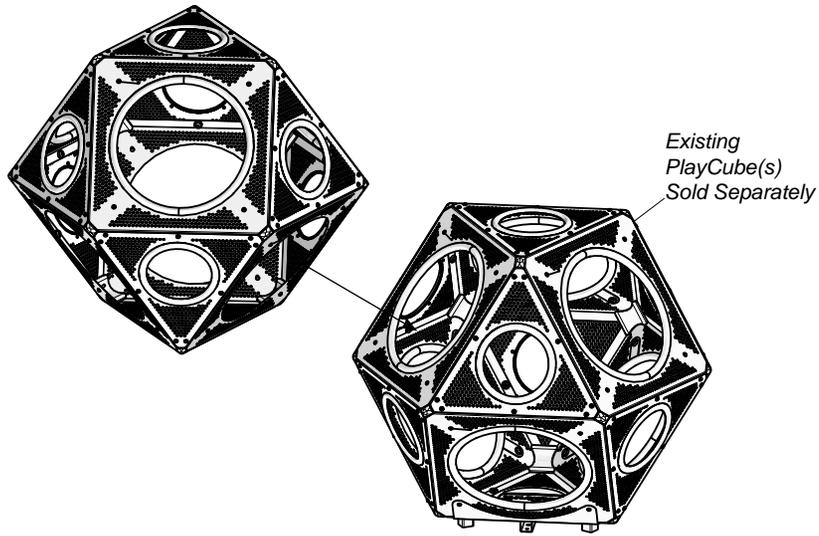
*Attach the perf panels together.
(Includes the bottom perf panel)*



Installation Instructions



Installation Instructions



Detail F
Step 8

Attach the above ground cube to an existing cube or cubes.

Model	Extra Hardware Provided For Attaching to Other PlayCubes
UN8628	1 Side
UN8646	2 Sides
UN8647	3 Sides



Installation Instructions

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

Carefully read and understand these installation instructions before you begin.

Step 1: Before attempting to assemble your equipment, please review all installation information carefully. Should you experience any difficulty during the installation process, please call us at the phone number shown on the last page of these instructions.

Step 2: Separate and identify all components and hardware.

Assemble the cube.

Step 3: Attach the corner castings to the perf panels. See **Detail A**. Starting with two square perf panels and two triangle perf panels and align the holes. Apply a drop of thread locking adhesive to the bolt threads, and attach as shown. Continue assembling the cube.

Note: Do not install the footing triangle perf panel (on the bottom of the cube assembly) until Step 4.

Step 4: Attach the footing perf panel to the bottom of the cube assembly. See **Detail B**. Align the holes on the footing panel with the holes on the bottom of the cube assembly. Apply a drop of thread locking adhesive to the bolt threads, and attach as shown. Only make the connections through the corner castings at this time.

Step 5: Attach the perf panels together. See **Detail C**. With the holes aligned on the panels, attach as shown. Do not make this connection to the bottom perf panel.

Step 6: Attach the rings to the inside of the square perf panels. See **Detail D**. Position the rings against the inside of the square perf panels, and attach as shown.

Step 7: Attach the window castings to the outside of the triangle perf panels. See **Detail E**. Position the window castings on the outside of the triangle perf panels and align the holes. Apply a drop of thread locking adhesive to the bolt threads, and attach as shown.

Step 8: Attach the above ground cube to an existing cube or cubes. See **Detail F**. Position the above ground cube against the existing cube, or cubes, as indicated your layout drawing and attach as shown. *Leave connections loose until all other cubes have been attached to the structure.*

Final Details.

Step 9: Plumb and level the component. Tighten **all** fasteners. Fully tighten all fasteners according to tightening torque specifications.

Torque Specifications:

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

Bill of Materials

UN8628 - ABOVE GROUND PLAYCUBE METAL - 1 SIDED CONNECTION

PART NO.	DESCRIPTION	QTY.
AAU6227	METAL PLAYCUBE CORNER CASTING	12
AAU6228	SPACER - BUTTON HEAD NUT	44
AAU6229	WINDOW CASTING - METAL PLAYCUBE	7
AFR1956	RING - PERF PLAYCUBE	5
BAD0085	THREAD LOCKING ADHESIVE	1
BAE0600	WASHER - 1" O.D. FLAT	4
BAE0659	BOLT - 3/8"-16 x .75" BUTTON HEAD - SS	52
BAE0661	BOLT - 3/8"-16 x .50" BUTTON HEAD - SS	44
BAE0663	NUT - 3/8"-16 x 7/16" BUTTON HEAD	44
BAE0922	TOOL - TT 45 L WRENCH	2
BAE01523	BOLT - 1/4"-20 x .375" BUTTON HEAD - SS	28
BPM0349	FAB METAL - SQUARE PANEL	6
BPM0351	FAB METAL - TRIANGLE FOOTING	1
BPM0352	FAB METAL - TRIANGLE PERF WITH WINDOW	7

UN8647 - ABOVE GROUND PLAYCUBE METAL - 3 SIDED CONNECTION

PART NO.	DESCRIPTION	QTY.
AAU6227	METAL PLAYCUBE CORNER CASTING	12
AAU6228	SPACER - BUTTON HEAD NUT	36
AAU6229	WINDOW CASTING - METAL PLAYCUBE	7
AFR1956	RING - PERF PLAYCUBE	3
BAD0085	THREAD LOCKING ADHESIVE	1
BAE0600	WASHER - 1" O.D. FLAT	12
BAE0659	BOLT - 3/8"-16 x .75" BUTTON HEAD - SS	60
BAE0661	BOLT - 3/8"-16 x .50" BUTTON HEAD - SS	36
BAE0663	NUT - 3/8"-16 x 7/16" BUTTON HEAD	36
BAE0922	TOOL - TT 45 L WRENCH	2
BAE01523	BOLT - 1/4"-20 x .375" BUTTON HEAD - SS	28
BPM0349	FAB METAL - SQUARE PANEL	6
BPM0350	FAB METAL - TRIANGLE FULL PERF BOTTOM	1
BPM0352	FAB METAL - TRIANGLE PERF WITH WINDOW	7

UN8646 - ABOVE GROUND PLAYCUBE METAL - 2 SIDED CONNECTION

PART NO.	DESCRIPTION	QTY.
AAU6227	METAL PLAYCUBE CORNER CASTING	12
AAU6228	SPACER - BUTTON HEAD NUT	40
AAU6229	WINDOW CASTING - METAL PLAYCUBE	7
AFR1956	RING - PERF PLAYCUBE	4
BAD0085	THREAD LOCKING ADHESIVE	1
BAE0600	WASHER - 1" O.D. FLAT	8
BAE0659	BOLT - 3/8"-16 x .75" BUTTON HEAD - SS	56
BAE0661	BOLT - 3/8"-16 x .50" BUTTON HEAD - SS	40
BAE0663	NUT - 3/8"-16 x 7/16" BUTTON HEAD	40
BAE0922	TOOL - TT 45 L WRENCH	2
BAE01523	BOLT - 1/4"-20 x .375" BUTTON HEAD - SS	28
BPM0349	FAB METAL - SQUARE PANEL	6
BPM0350	FAB METAL - TRIANGLE FULL PERF BOTTOM	1
BPM0352	FAB METAL - TRIANGLE PERF WITH WINDOW	7



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Fasteners

- Inspect for loose fasteners.
Tightening torque specifications are:
Bolts and Nuts: Snug tighten and tighten an additional one-half turn.
- If during the maintenance process a bolt needs to be removed from a part or parts, it will be necessary to apply a drop of liquid thread lock / loctite to the bolt before reinstallation.
- Inspect for missing, worn or broken fasteners. If any missing, worn or broken fasteners are found, refer to the installation instructions for proper replacement fastener. If any damage is detected, barricade equipment to prevent use until repair is completed. Contact your sales representative immediately for a replacement part.

Castings

- Inspect the castings to insure they are properly secured to the component.
- Visually inspect the castings for cracks or breakage. If any damage is detected, barricade the equipment to prevent use until repair is completed. Contact your sales representative immediately for a replacement part.

Welds

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

Finish

- Inspect metal parts for finish damage.
To repair painted surfaces, sand damaged area with sandpaper and wipe clean. Mask area and paint with primer and allow to dry. Paint primed area with color-matching paint and allow to dry. Recoat area with color-matching paint if required. Drying time is approximately 8 hours between coats.
To repair the panel coating, contact the Playworld Systems' Customer Service Department for a coating repair touch-up kit.

Surfacing

- Refer to the specific surfacing maintenance detail sheet for additional information.

Replacement Parts

- Refer to your installation instructions to obtain replacement part number.
- Contact your sales representative or call Playworld Systems' Customer Service for a replacement part.

Equipment Maintenance

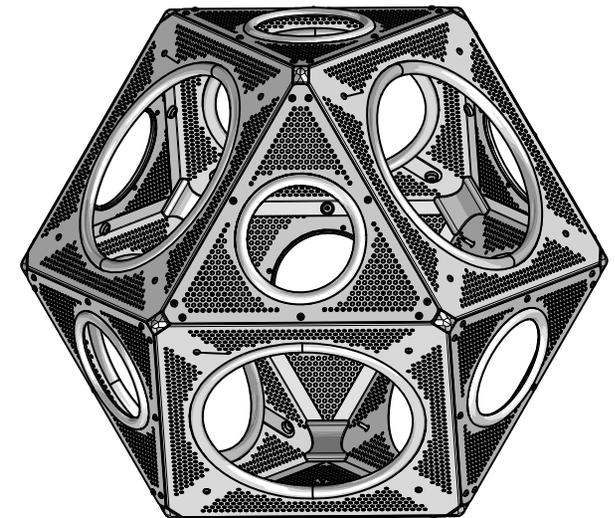
Universal Models

UN8628, UN8646 and UN8647

Above Ground PlayCube Metal

1 Sided, 2 Sided and 3 Sided

Connections



Inspection Form

Preventive Maintenance

... for Safety's Sake!

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

INSPECTION CHECKLIST

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

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

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

MAINTENANCE SCHEDULE

Item in Question	Description of Problem	Corrective Action	Date

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

