# MEC016 BREEZEWAY PLAYHOUSE GREEN

AGE APPROPRIATE
2-5 YRS

PLAYHOUSE ROOF

PLATFORM EXTENSION

HANDGRIP PKG.

PLAYCOUNTER

WELCOME MAT

PLATFORM 12 BD
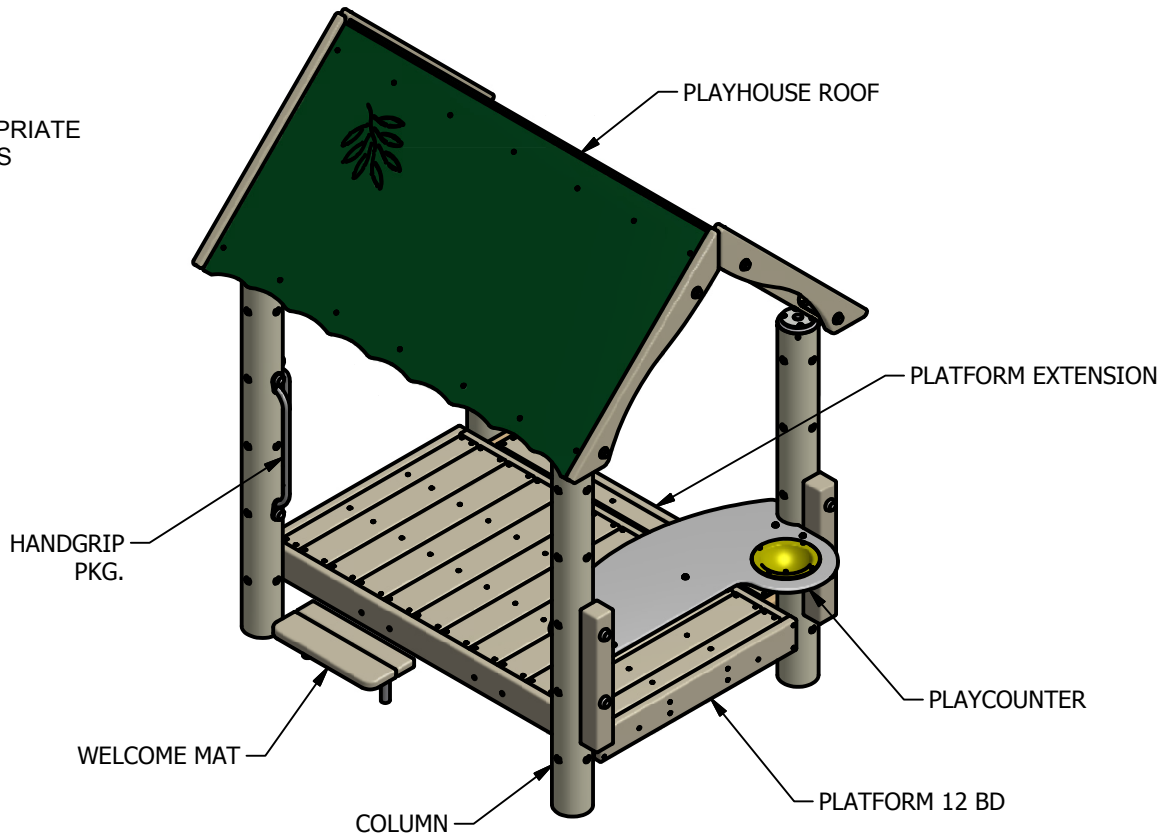
COLUMN

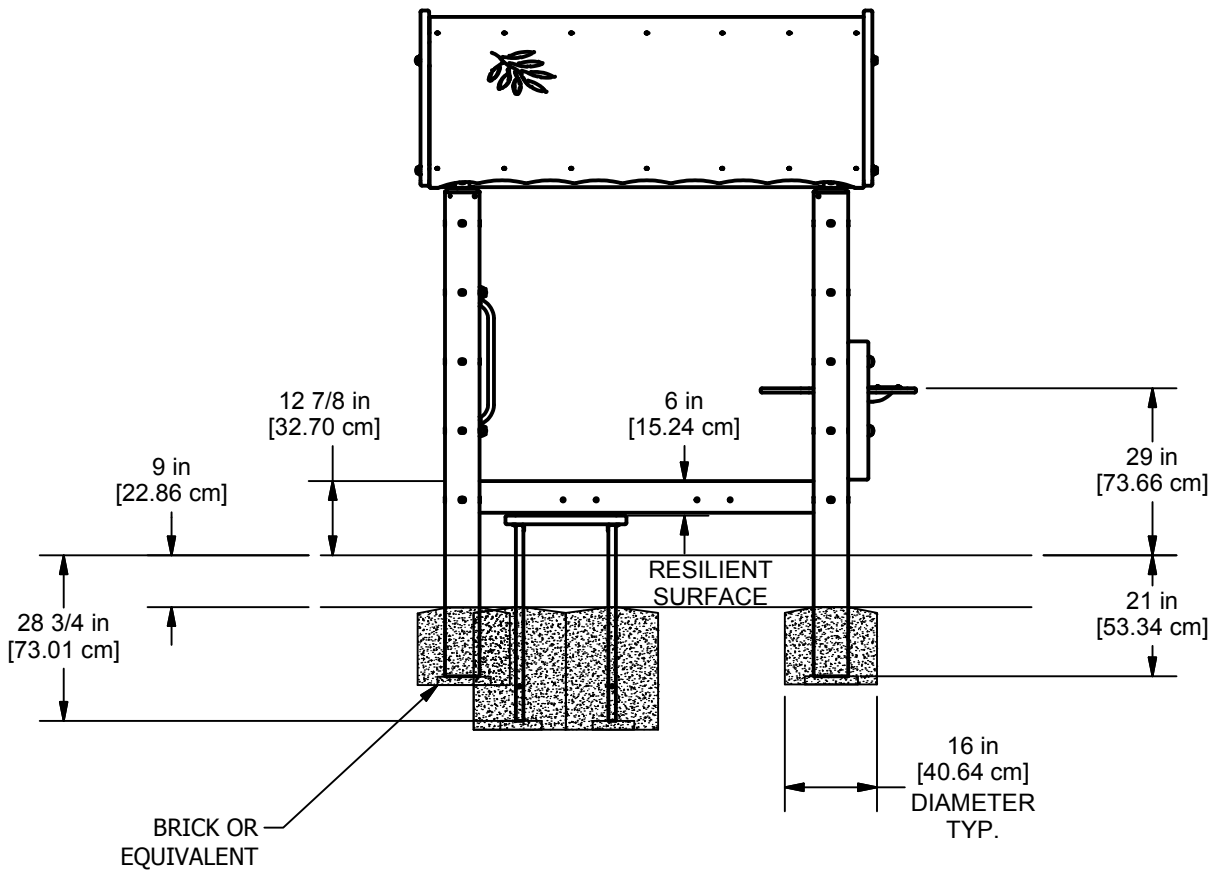| Parts List | | |
|---|---|---|
| DESCRIPTION | QTY | PART NUMBER |
| COLUMN, 7' ALUM - ROOF | 4 | A51009 |
| PLATFORM EXTENSION 12 BD | 1 | M03002 |
| PLATFORM 12 BD | 1 | M03012 |
| 24" HANDGRIP PKG | 3 | M59010 |
| WELCOME MAT - METAL | 1 | M11026 |
| PLAY COUNTER | 1 | M57011 |
| PLAYHOUSE ROOF | 1 | M04010 |
| EARLYWORKS ASSY PKG METAL | 1 | M59011 |

*Unless Otherwise Specified, All Units of Measure are Each*
*Items listed below Hardware Complete line are included with Hardware Complete Number*

**Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement. Promptly cut-off flush, file smooth, and treat to prevent corrosion.**

**Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.**
**Note: Loctite (supplied by others) should be used on any non-patch hardware.**
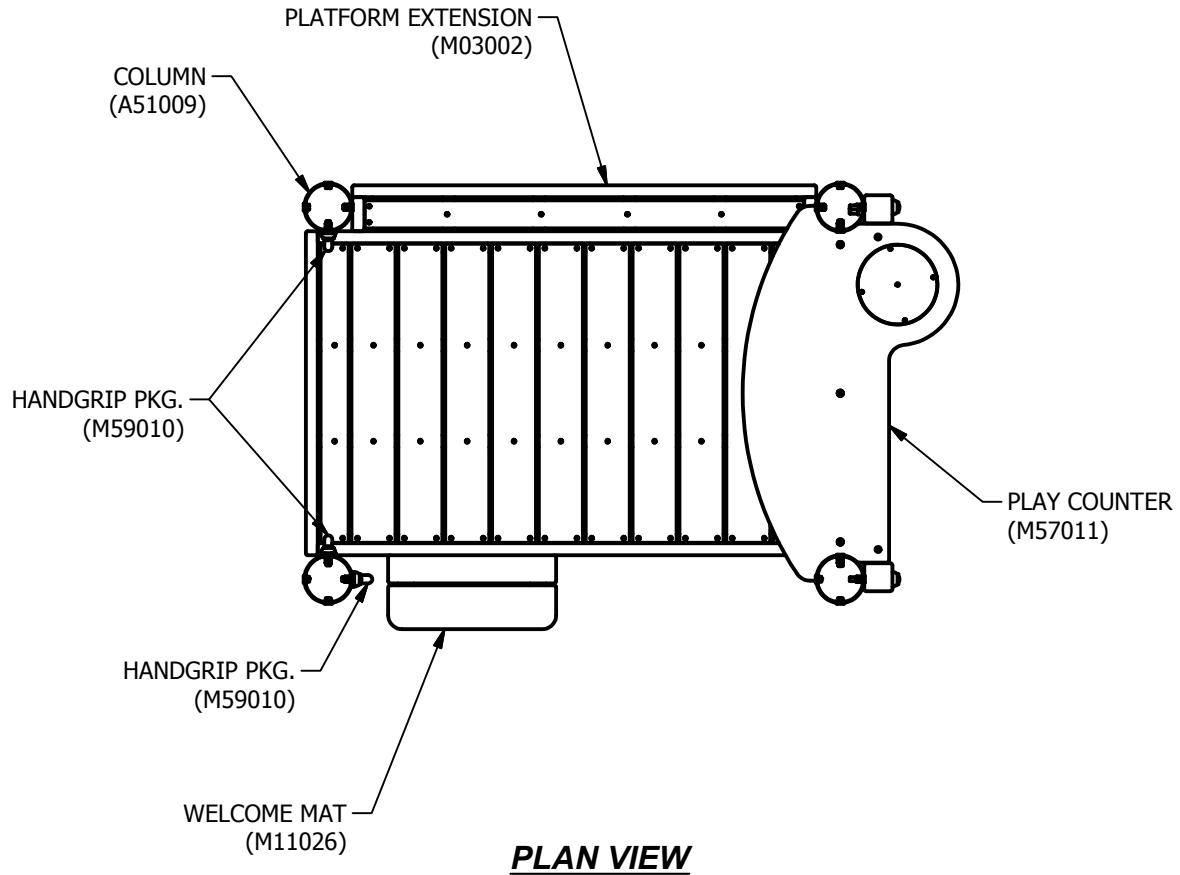
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# *MEC016 BREEZEWAY PLAYHOUSE GREEN*

12 7/8 in
[32.70 cm]

6 in
[15.24 cm]

9 in
[22.86 cm]

29 in
[73.66 cm]

RESILIENT
SURFACE

21 in
[53.34 cm]

28 3/4 in
[73.01 cm]

16 in
[40.64 cm]
DIAMETER
TYP.

BRICK OR
EQUIVALENT

## *ELEVATION VIEW*

## CONCRETE REQUIRED
.54 CUBIC YARDS
.42 [CUBIC METERS]

Issued/Revised: 1/22/15

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SHEET 2 OF 3

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PLATFORM EXTENSION
(M03002)

COLUMN
(A51009)

HANDGRIP PKG.
(M59010)

PLAY COUNTER
(M57011)

HANDGRIP PKG.
(M59010)

WELCOME MAT
(M11026)

**_PLAN VIEW_**

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# Platform Extension, 12-Board - Metal

M03-002
Installation Instructions

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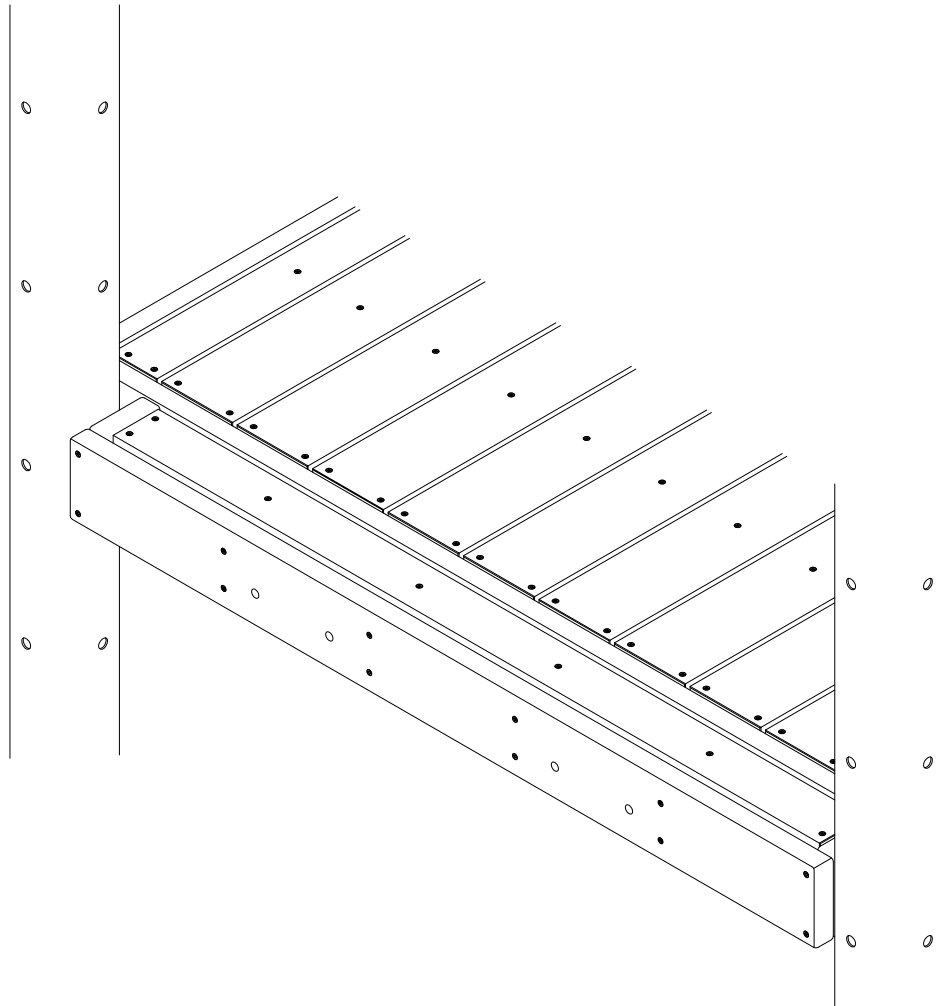
| DET. | QTY. | PART# | DESCRIPTION | ICON | (NOT TO SCALE) |
|------|------|-------|-------------|------|----------------|
| A | 1 | M404 | Platform Extension, 12-Board | | |
| | 1 | E496_ | Connector, Platform Ext 12 Bd. | | |
| B | 2 | M000 | Threaded Insert 1/2" | | |
| C | 2 | 800809 | Bolt, 1/2 x 4" NC Pltd - Full Thread | | |
| D | 4 | 817201 | Lock Washer, 1/2"  Int Tooth Type A PLTD | | |
| E | 2 | 804355 | Nut, Hex 1/2" - Lock | | |
| F | 6 | G034GY | Do-Nut Base (No Boss) 12mm - Putty | | |
| G | 6 | G036GY | Do-Nut Cap 12mm - Putty | | |
| H | 2 | 801256 | Bolt Tap 1/2-13 x 3-1/2" NC Pltd | | |

1. Refer to your structure design for the location of the 12-Board Platform Extension.

2. **Install the Threaded Inserts (B)** to the metal columns as shown.
(See "Typical Threaded Insert Installation").

3. **Orient and attach the Platform Extension (A)** to the platform and metal columns using hardware (C)(D)(F)(E)(G) as shown.
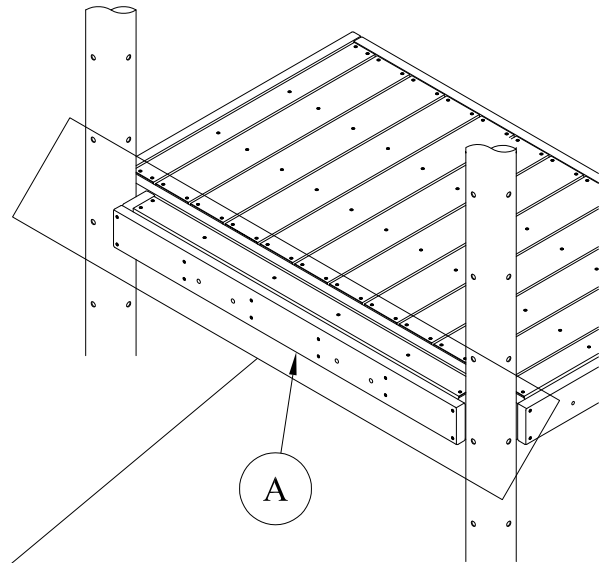
*Refer to "Typical Threaded Insert Installation" in the supplemental prolog (iM1000) for installation procedures.*

A

Metal Column

A  G  C  D  F  B

G
E
F

F  D  H  G

Platform

# Platform Viewed From Below
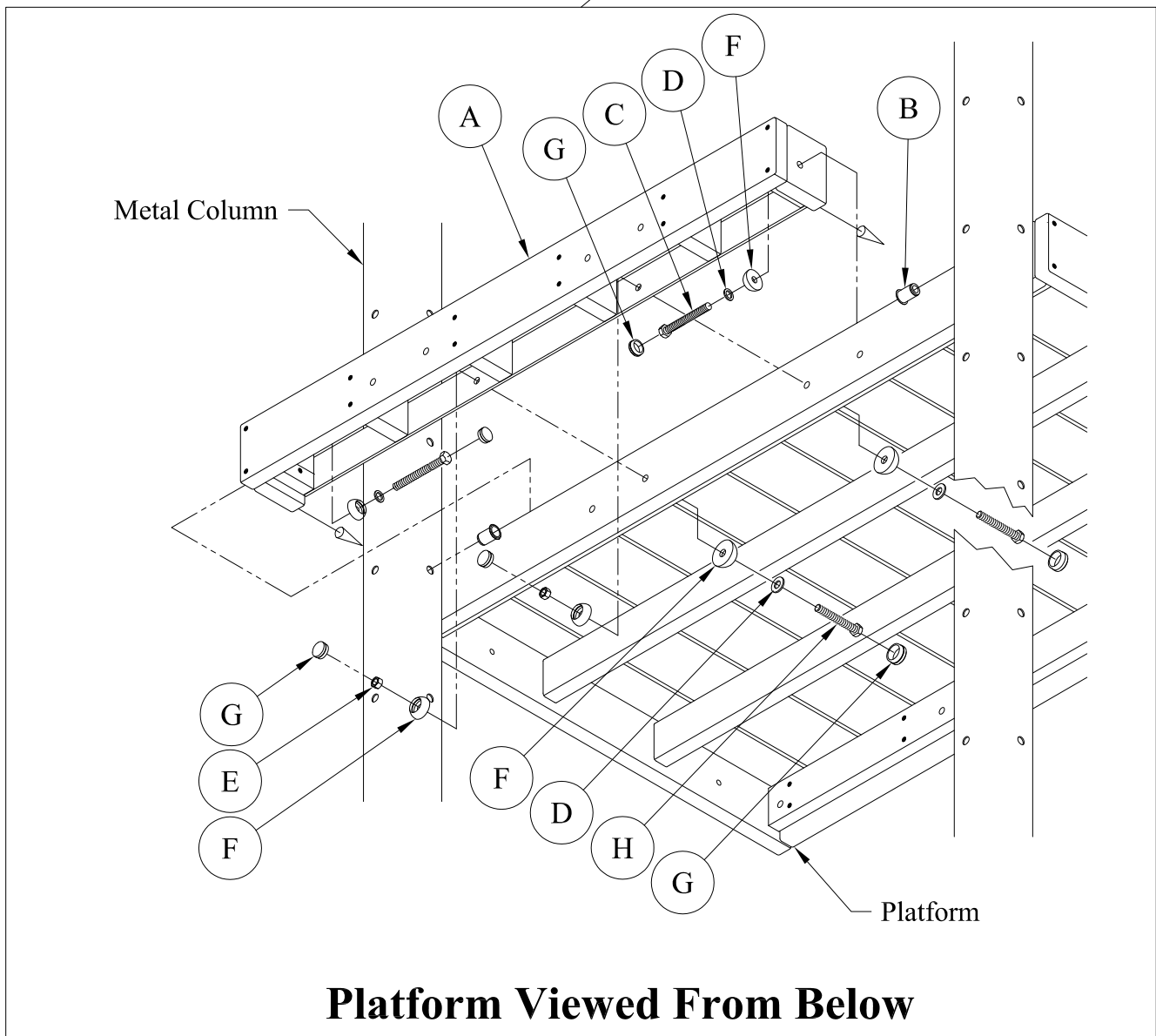
# Welcome Mat - Metal

M11-026
Installation Instructions

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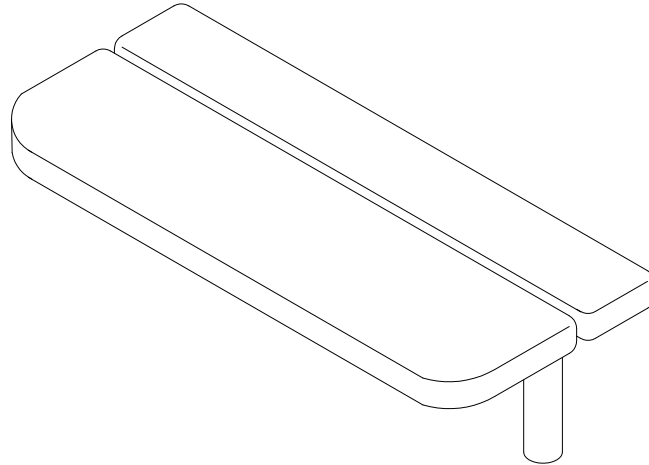
| DET. | QTY. | PART# | DESCRIPTION | ICON (NOT TO SCALE) | |
|------|------|-------|-------------|---------------------|---|
| A | 1 | 401767 | Seat Board - M | | |
| B | 1 | 401773 | Seat Edge Board - M | | |
| C | 2 | G614 | Welcome Mat Leg | | |
| D | 2 | 402121 | Anchor Rod 3/8" x 6" Round Bar Plain | ○ | ▭ |
| | 1 | E614 | Connector, Welcome Mat - Metal | | |
| E | 8 | 815513 | #12 x 1-1/4" Sq Dr Pn Hd SS | ⊙ | ▣▥▥▥▸ |

1.  Refer to structure design
    for location of Welcome Mat.

2.  **Locate and dig two holes** for pipe
    footings as shown below. For pipe
    footing depth, (See"Pipe Footing" in
    "Typical Concrete Footings.")

*Diameter

*Depth

[33 cm]
13"
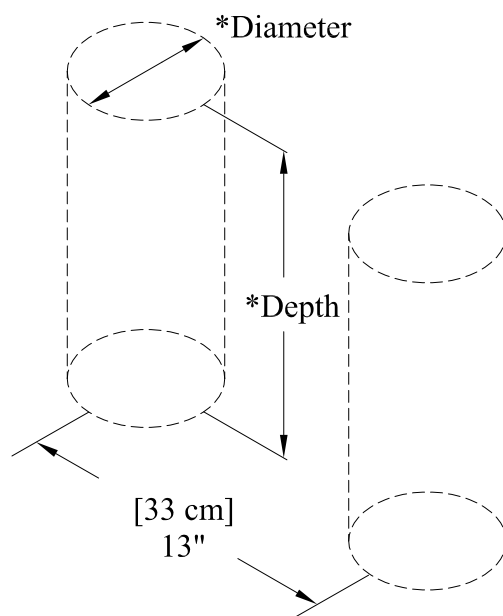
3.  **Connect legs** (C) to seat boards (A)(B)
    using 8 sheet metal screws (E).

A

B

C

E
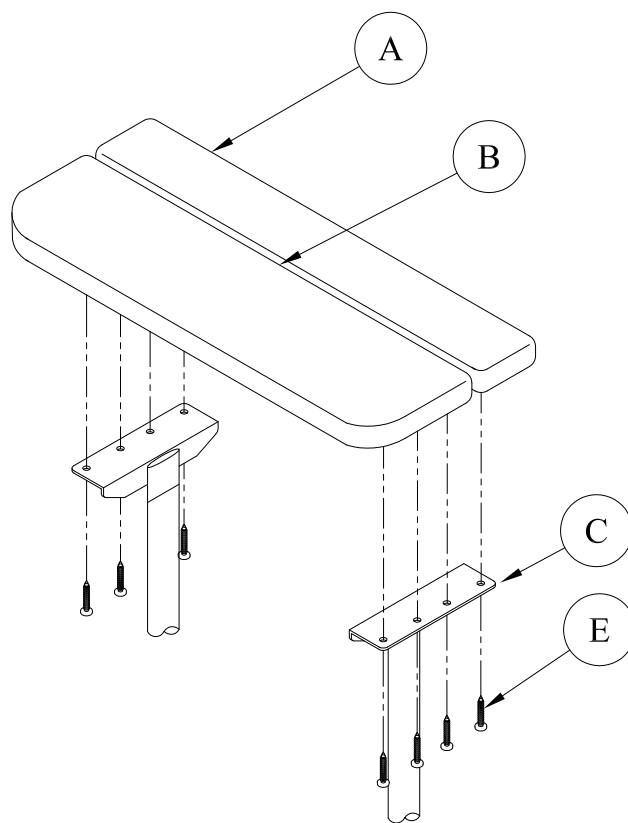
# Play Counter, Ground Level - Metal

M57-011
Installation Instructions

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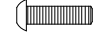
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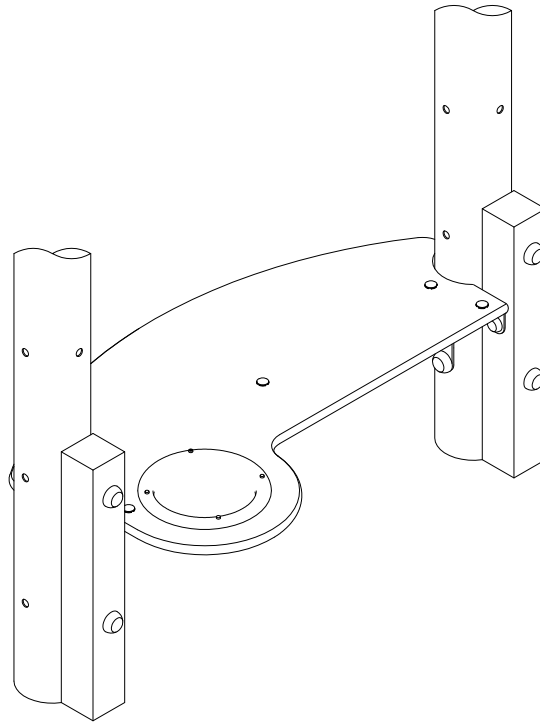
| DET. | QTY. | PART# | DESCRIPTION | ICON (NOT TO SCALE) |
|------|------|-------|-------------|---------------------|
| A | 1 | L513 | Plate, Play Counter | |
| B | 1 | 401381 | Bowl with 4 Holes | |
| C | 2 | 401777 | Enclosure Support 23-3/4" - M | |
| D | 1 | 402079 | Play Counter Support Beam - EW | |
| | 1 | E983_ | Connector, Play Counter Ground - Metal | |
| E | 6 | M000 | Threaded Insert 1/2" | |
| F | 6 | 817201 | Lock Washer, 1/2" Int Tooth Type A PLTD | |
| G | 4 | 801219 | Bolt Tap 1/2-13 x 5" NC Pltd | |
| H | 3 | 811057 | Cap Screw 3/8-16 x 2-1/2" Btn Hd SS | |
| I | 4 | 815517 | Wood Screw #8 x 3/4" Phil DR PN HD SS | |
| J | 2 | 800725 | Screw Lag 3/8 x 2" Pltd | |
| K | 7 | G030 | Do-Nut Base (No Boss) 10mm | |
| L | 7 | G032 | Do-Nut Cap 10mm | |
| M | 6 | G034 | Do-Nut Base (No Boss) 12mm | |
| N | 6 | G036 | Do-Nut Cap 12mm | |

Continued

| DET. | QTY. | PART# | DESCRIPTION | ICON (NOT TO SCALE) |
|------|------|-------|-------------|----------------------|
| O | 2 | 801206 | Bolt Tap 1/2-13 x 1-3/4" Grd 2 Nc Pltd | |
| P | 2 | G273 | Bracket, Play Counter Support | |
| Q | 2 | 402288 | Bracket, EarlyWorks 90D | |
| R | 5 | 804353 | Nut Hex 3/8-16  2-Way Locknut NC PLTD | |
| S | 2 | 811053 | Cap Screw 3/8-16 x 1-1/2" Btn Hd SS | |
| T | 7 | 817200 | Lock Washer, 3/8"  Int Tooth Type A PLTD | |
| U | 4 | 817424 | Washer Fender 3/8 x 1-1/4" OD SS | |
| V | 5 | 817406 | Flat Washer 5/16" W/1-1/8" OD SS | |

1. Refer to your structure design for location of
   the Play Counter.

2. If columns are not already installed, lay
   out and dig footing holes as shown.

3. For footing depths see "Standard Footing and
   Pipe Footing" in "Typical Concrete Footings."

[118cm]
46.5"

Standard
Footing
Hole
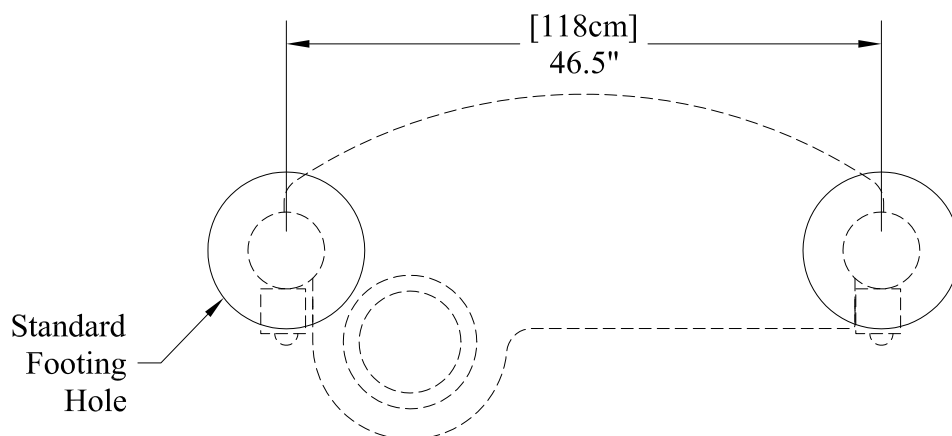
4. **Attach Brackets (Q) to Play Counter (A)**
   using hardware (L)(T)(K)(R)(S)(V).
   *Note: Do not install Do-Nut Caps (L) until*
   *final step is complete.*
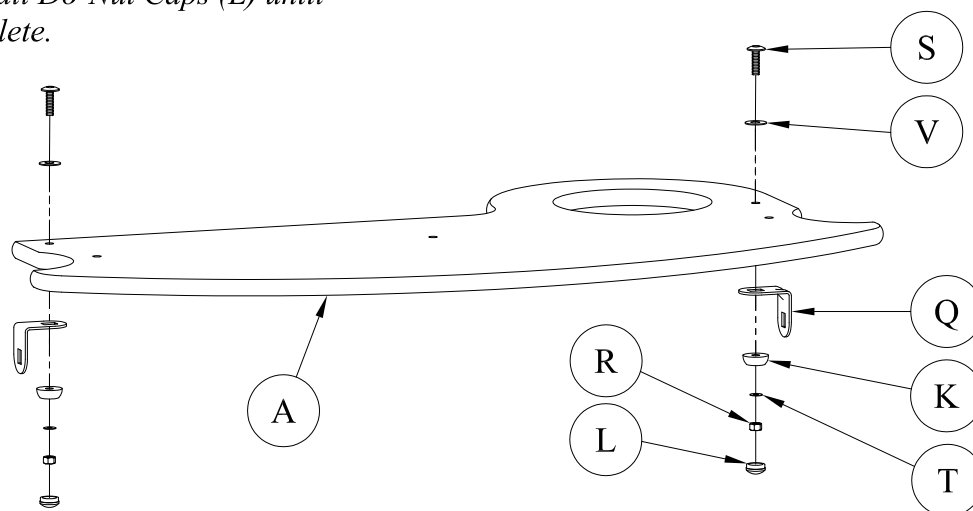
5.  **Install Threaded Inserts (E)** in Columns.
    (See "Typical Threaded Insert Installation")

6.  **Attach Supports ( C) to Columns** using
    hardware (M)(F)(G)(N).

7.  **Attach Brackets (P) to Columns** using
    hardware (M)(O).
    *Do not install Do-Nut Caps (N) until final
    step is complete.*
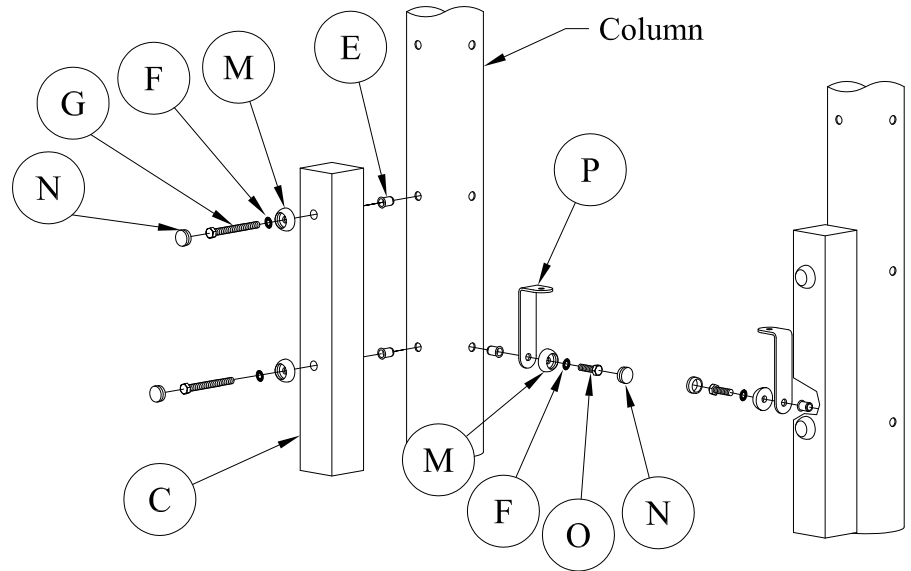
8.  **Install Play Counter and Play Counter
    Support (D)** onto Brackets (P) using
    hardware (H)(V)(K)(T)(R)(L)(U).
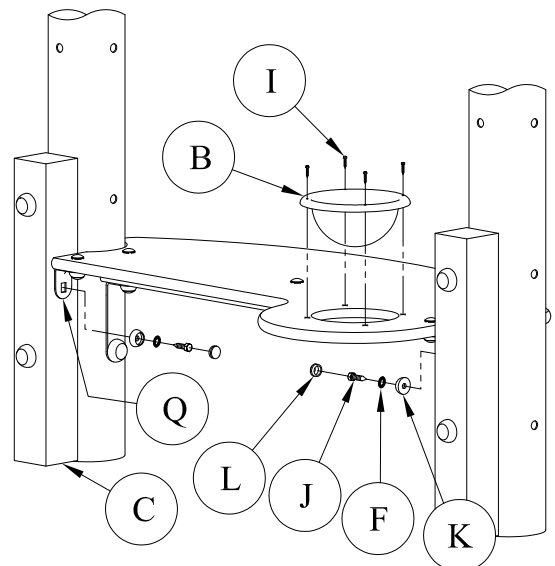    (See "Typical Do-Nut Installation")
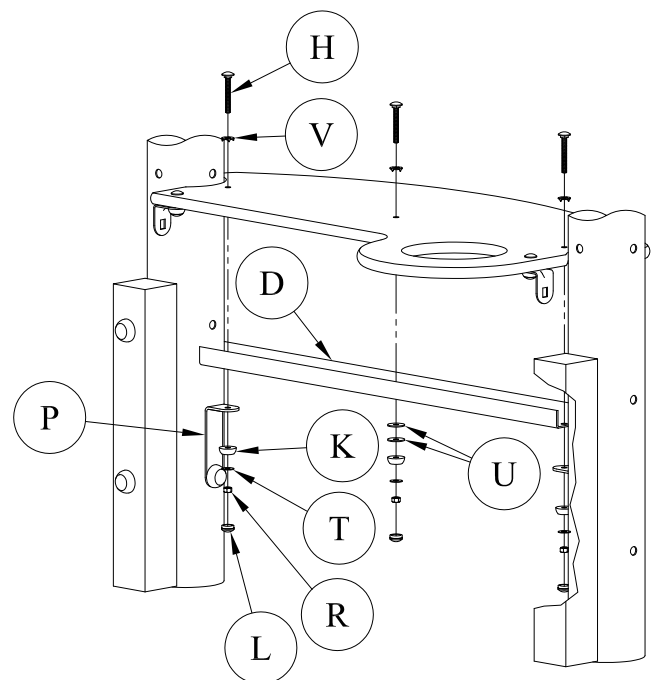
9. **With Play Counter Level, drill Ø1/4" x 2" deep pilot holes** through Brackets (Q).

Drill Ø1/4" x 2"

Q

Drill Ø1/4" x 2"
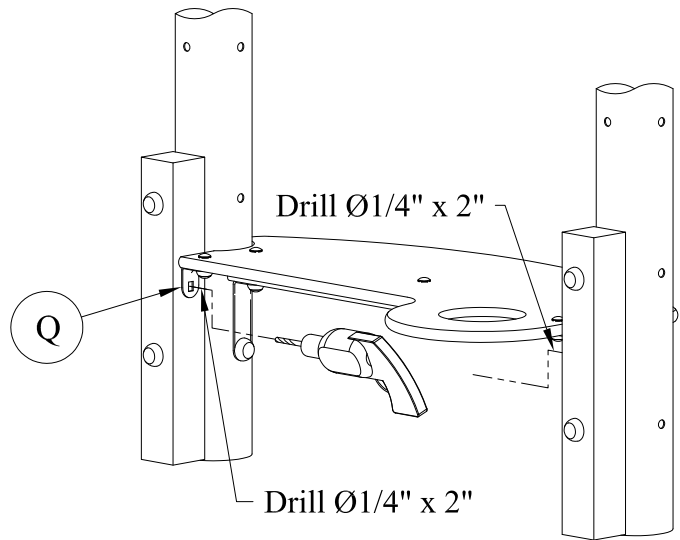
10. **Attach Bowl (B) to Play Counter (A)** using hardware (I).

11. **Secure Brackets (Q) to Supports (C)** using hardware (J)(F)(K)(L).
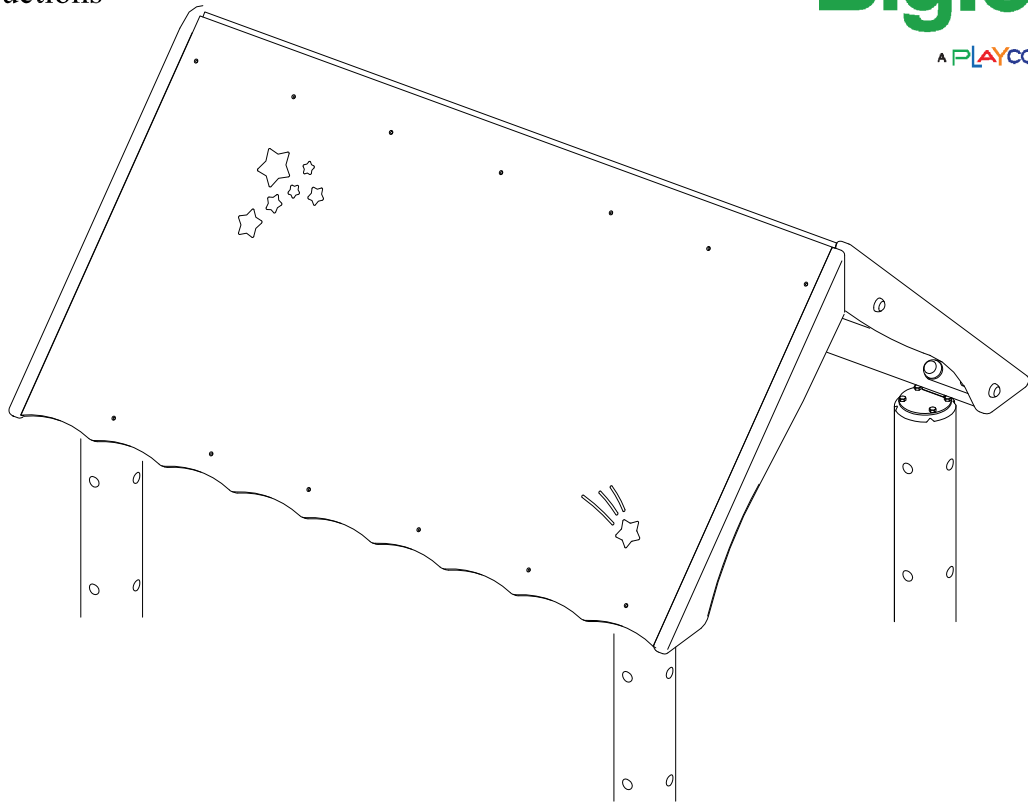
I

B

Q

C

L

J

F

K

# Playhouse Roof 75-1/2" with Roof Panels - Metal

M04-010 (GREEN), M53-010 (PGB BLUE)

Installation Instructions
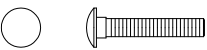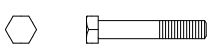
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| DET. | QTY. | PART# | DESCRIPTION | ICON (NOT TO SCALE) |
|------|------|-------|-------------|---------------------|
| A | 4 | 401352 | Bracket, Roof Purlin | |
| B | 4 | 402092 | Fascia Playhouse | |
| C | 2 | L559/L560 | Playhouse Roof Panel 75" | |
| D | 2 | 401705 | Beam Lower 75-1/2" | |
| E | 2 | 401707 | Beam Upper 75-1/2" | |
| | 1 | E286_ | Connector, Playhouse Roof 75-1/2" W/Roof Panels - Metal | |
| F | 16 | 811012 | Cap Screw 1/4 x 1" Btn Hd Sckt CS P-lock | |
| H | 28 | 815507 | Screw, Wood #10 x 2" SS | |
| I | 4 | 800429 | Bolt Carriage 1/2 x 2-1/4" NC Pltd | |
| J | 4 | 804355 | Nut, Hex 1/2" - Lock | |
| K | 16 | G030 | Do-Nut Base (No Boss) 10mm | |
| L | 16 | G032 | Do-Nut Cap 10mm | |
| M | 4 | G034 | Do-Nut Base (No Boss) 12mm | |
| N | 4 | G036 | Do-Nut Cap 12mm | |

Continued

| DET. | PART# | DESCRIPTION | QTY. | ICON (NOT TO SCALE) |
|------|-------|-------------|------|---------------------|
| O | 4 | 401462 | Bracket, Playhouse "L" Hdg | |
| P | 4 | 401463 | Bracket, Playhouse 90D HDG | |
| Q | 4 | 401464 | Bracket, Playhouse 90D Gusset, HDG | |
| S | 20 | 804353 | Nut Hex 3/8-16   2-Way Locknut NC PLTD | |
| T | 16 | 800258 | Bolt Carriage 3/8 x 2-1/4" Nc Pltd | |
| U | 16 | 817200 | Lock Washer, 3/8"  Int Tooth Type A PLTD | |
| V | 16 | 817408 | Washer Flat 1/4" SAE SS | |
| W | 4 | M600 | Column End Fitting, Alum | |
| X | 8 | 805303 | Rivet, Alum Drive 1/4 x 15/32 | |
| Z | 4 | 801008 | Bolt Hex 3/8-16 x 2-1/4" Grd 2 NC Pltd | |

Items listed below Hardware Complete line are included with Hardware Complete Number
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location. Any bolt end protruding more than two full threads beyond the face of the nut causes risk of clothing entanglement. Promptly cut-off flush, file smooth, and treat to prevent corrosion.
Unless Otherwise Specified, All Units of Measure are Each
Note: Peen Tee-Nuts and Flatwashers to match radius of pipe after assembly is complete.
Note: Loctite (supplied by others) should be used on any non-patch hardware.

MAINTENANCE PROCEDURE:
Periodically check hardware for tightness, and tighten as necessary. Always check all parts for breakage or wear, and immediately put equipment out of service until any faulty parts found are repaired or replaced. Also Check all metal parts for rust, paint loss and touch-up if necessary with paint. Check for welded areas and verify integrity. Check periodically resilient surfacing for appropriate depth and remove extraneous materials that could cause injury, infection, or disease. Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

When the structure is finished and satisfactory, eliminate sharp points and sharp edges (burring) on installed hardware like bolts, nuts, etc. Install resilient surfacing material within the use zone of play structure in accordance with ASTM specifications F1292 appropriate for the fall height of each structure. Refer to the safety guidelines.

1.  Refer to your structure design for location of Playhouse Roof.

2.  **Attach Roof Purlin Brackets (F)** to Column End Fitting-Bracket Mount (W) using hardware (F)(V).

3.  **Insert the Column End Fitting-Bracket Mount Assembly** into column and orient as shown.

F

V

F

W
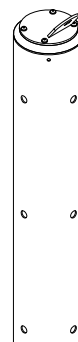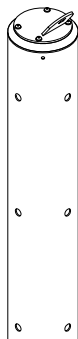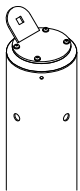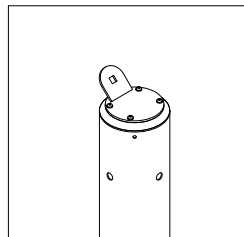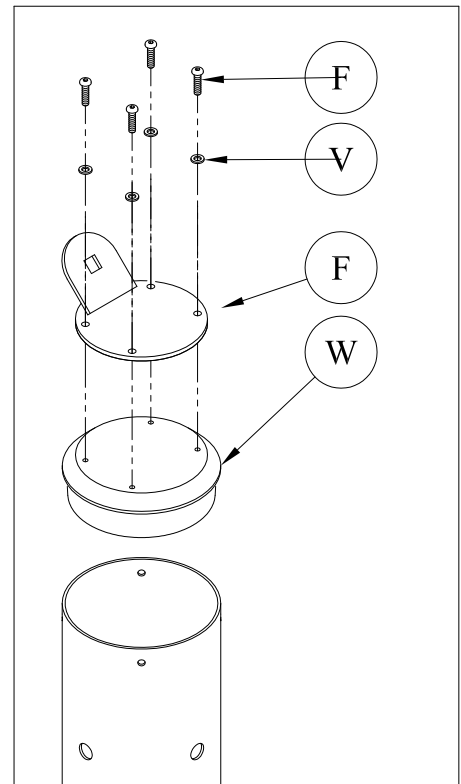
4. **Attach Lower Beams** (D) and Playhouse "K" Brackets (O) using hardware (I)(M)(J) and (T)(K)(S). *Do not install Do-Nut Caps (N) (L) until assembly is complete.*

5. **P**ermanently attach Column End Fittings (W) to column using Drive Rivets (X) as shown. (See "Typical Column End Fitting Installation.")
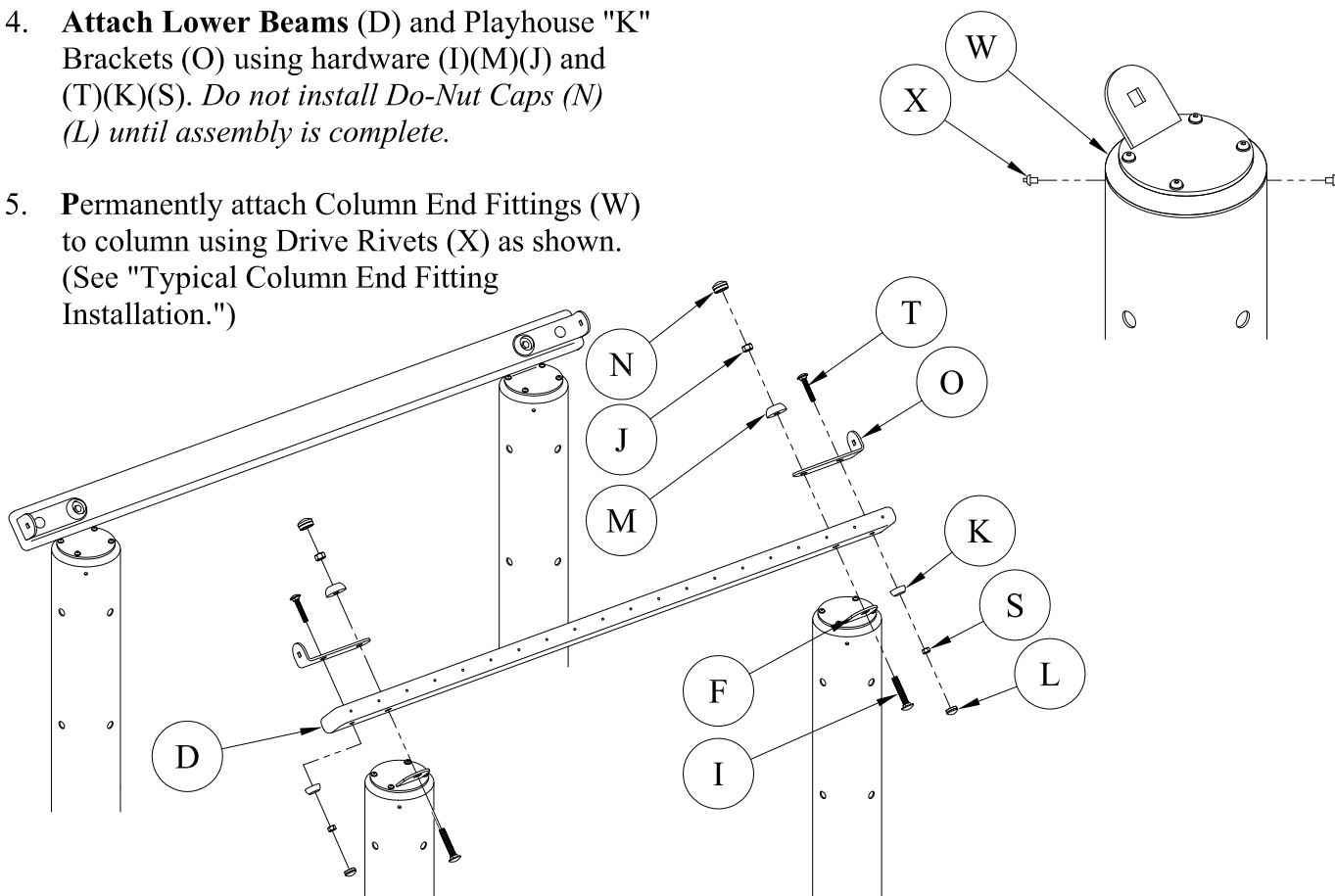
6. **Attach Facias** (B) to Lower Beam assembly using hardware (L)(S)(U)(K)(T). *Do not completely tighten Hex Nut (S) or install Do-Nut Caps (L) until assembly is complete.*

Lower Beam Assembly
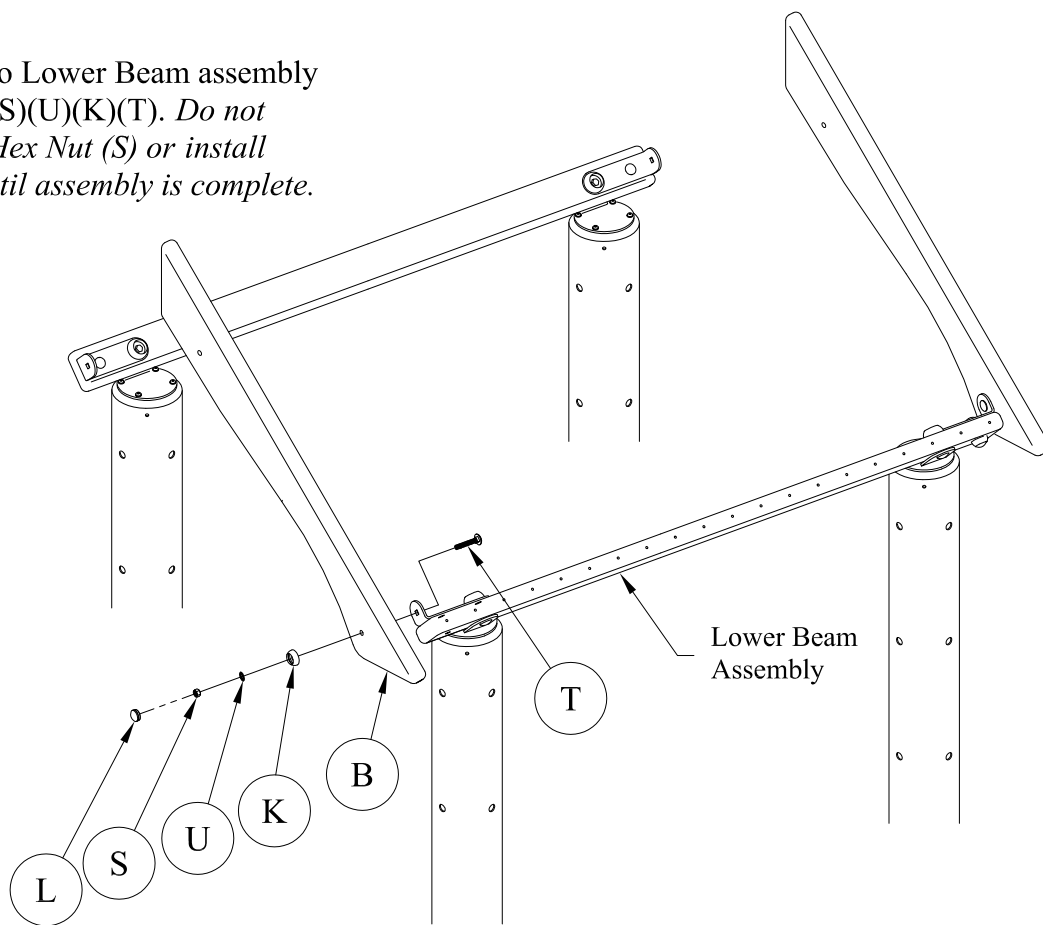
7.  **Attach Upper Beams** (F) and two outer Playhouse 90D Brackets (P) using hardware as shown (S)(T)(K)(U)(S)(L). *Do not install Do-Nut Caps (L) until assembly is complete.*
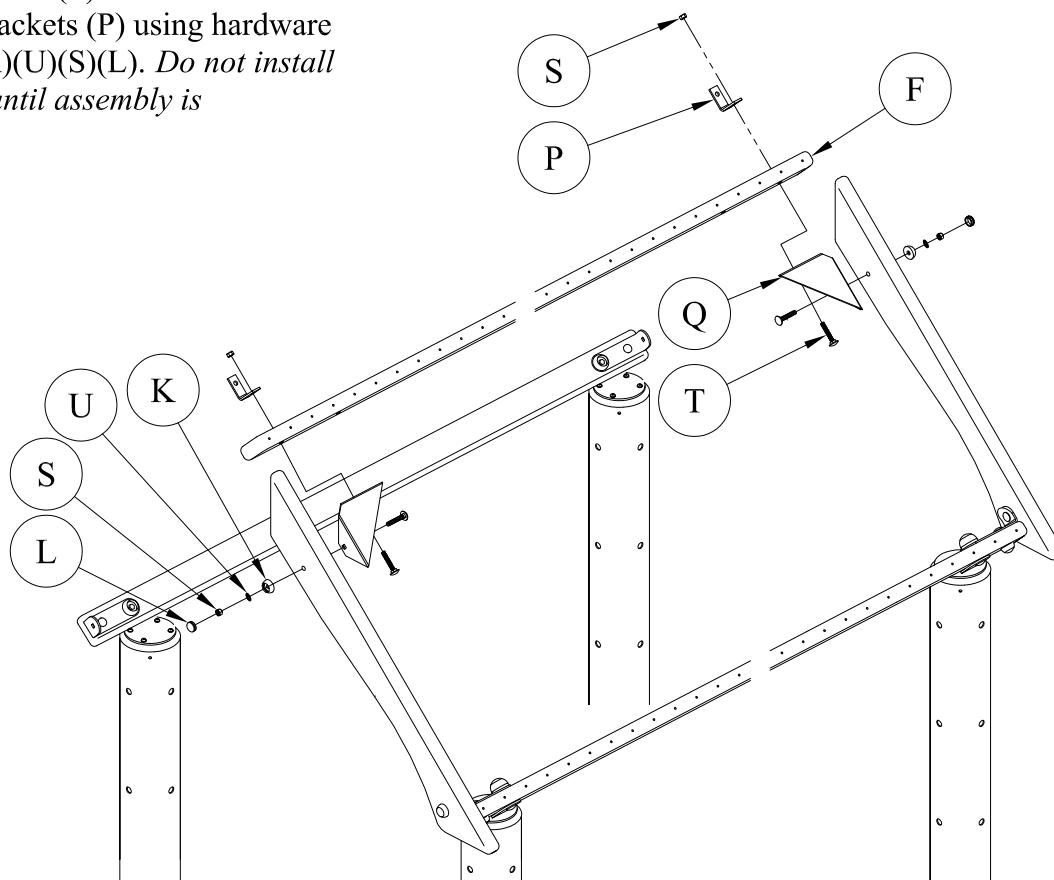
8.  **Repeat steps 5-6** to assemble other half of roof framework. *Do not attach Playhouse 90D Bracket (P) until the next step.*

9.  **Install remaining Playhouse 90D brackets** (P) and bolt through previously attached Playhouse 90D Brackets to complete roof framework assembly using hardware as shown (S)(K)(U)(Z)(L).

Previously Attached
Playhouse 90D Bracket
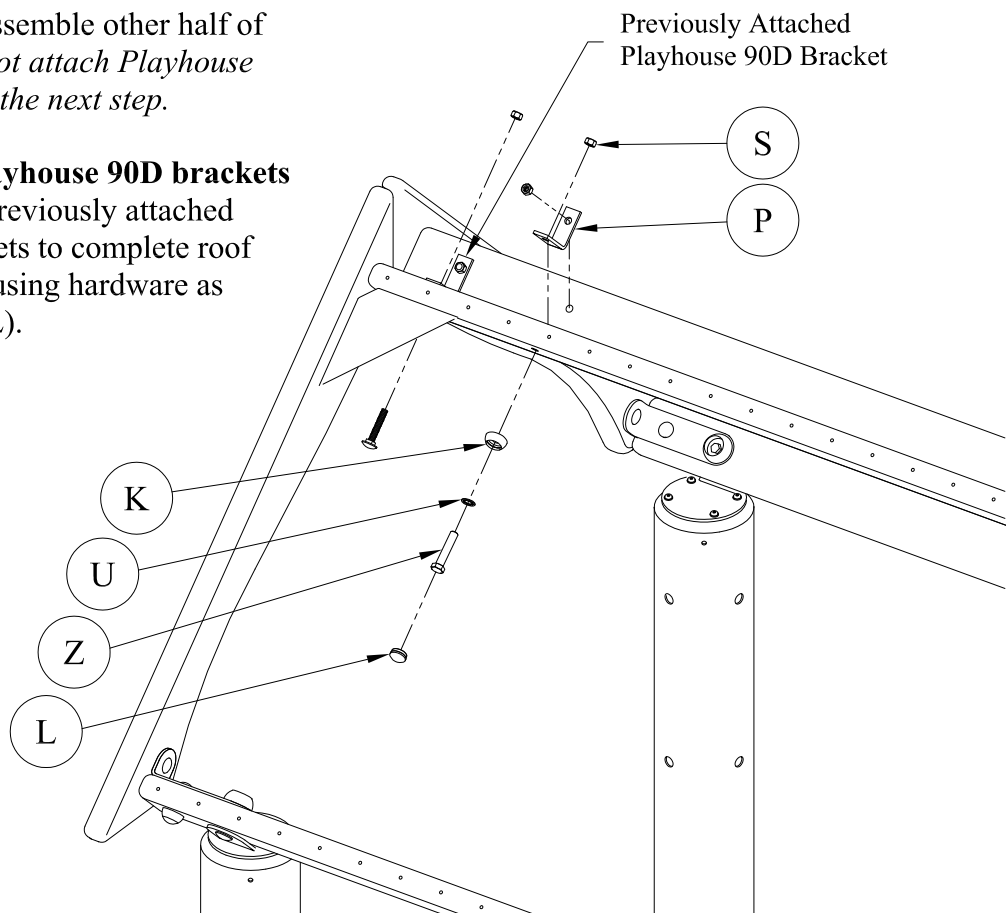
10. **Attach Roof Panels (C)** to both sides of roof framework by inserting Wood Screws (H) through the Panels and into pilot holes in Upper and Lower Beams.