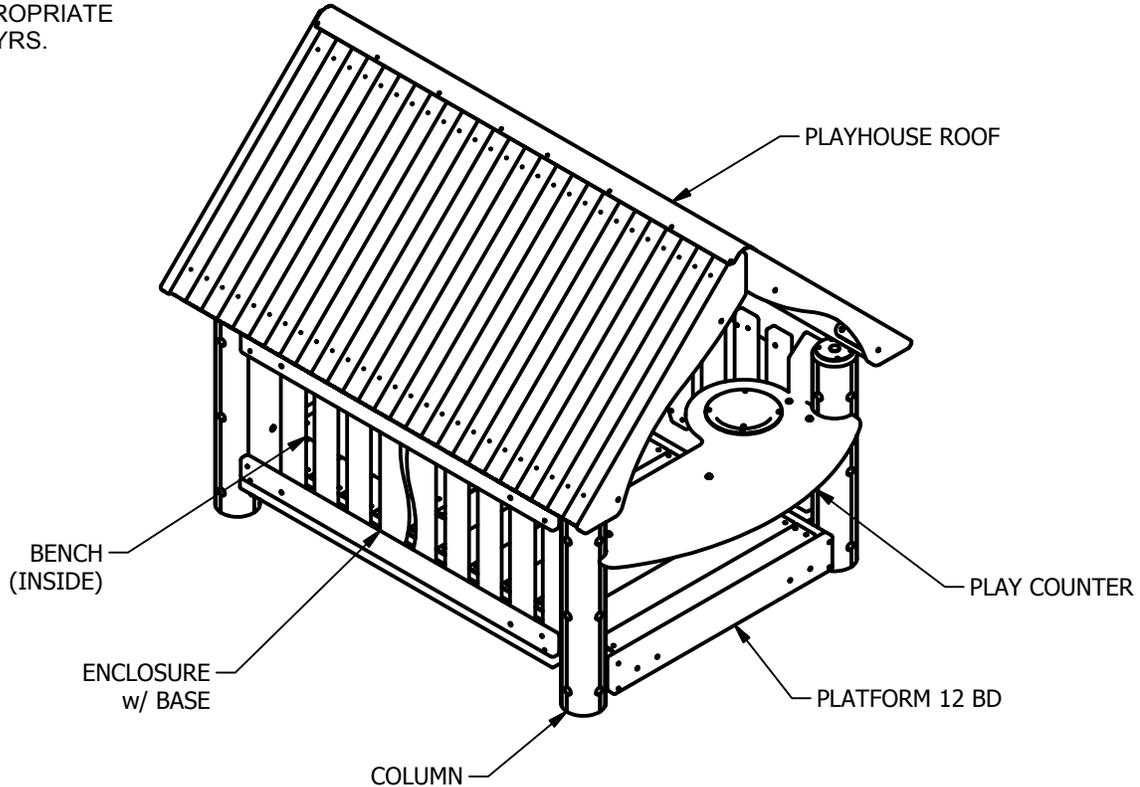


MEC645 STANDARD PLAYHOUSE

AGE APPROPRIATE
2-5 YRS.



Parts List		
DESCRIPTION	QTY	PART NUMBER
PLATFORM 12 BOARD	1	M03012
ENCLOSURE w/BASE	2	M54018
PLAYHOUSE ROOF	1	M04008
PLAY COUNTER	1	M57010
BENCH	1	M57008
COLUMNS	4	M01002

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

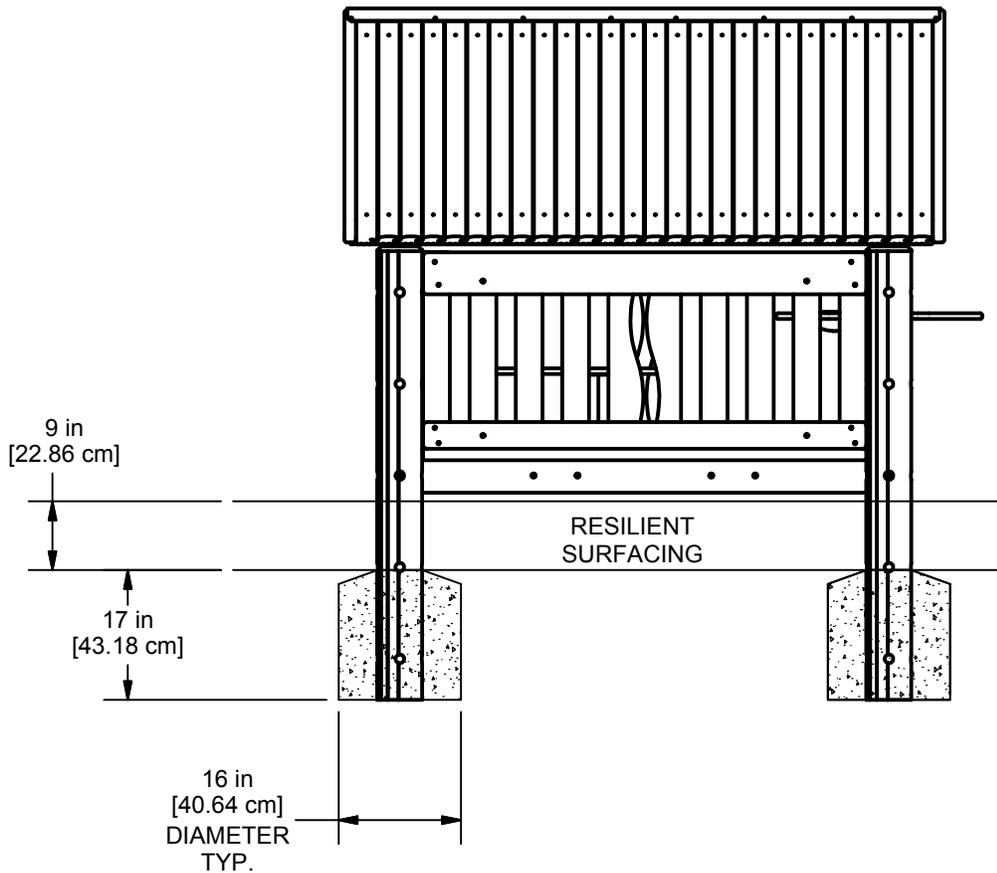
Warning: During Installation, Hardware And Small Parts Are Choking Hazards For Young Children. Store Unused Parts Appropriately Until Assembly Is Completed. Once Assembly Is Completed, Remove Any Unused Parts From The Play Environment And Dispose/Save Them In A Secure Location. Any bolt end protruding 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.

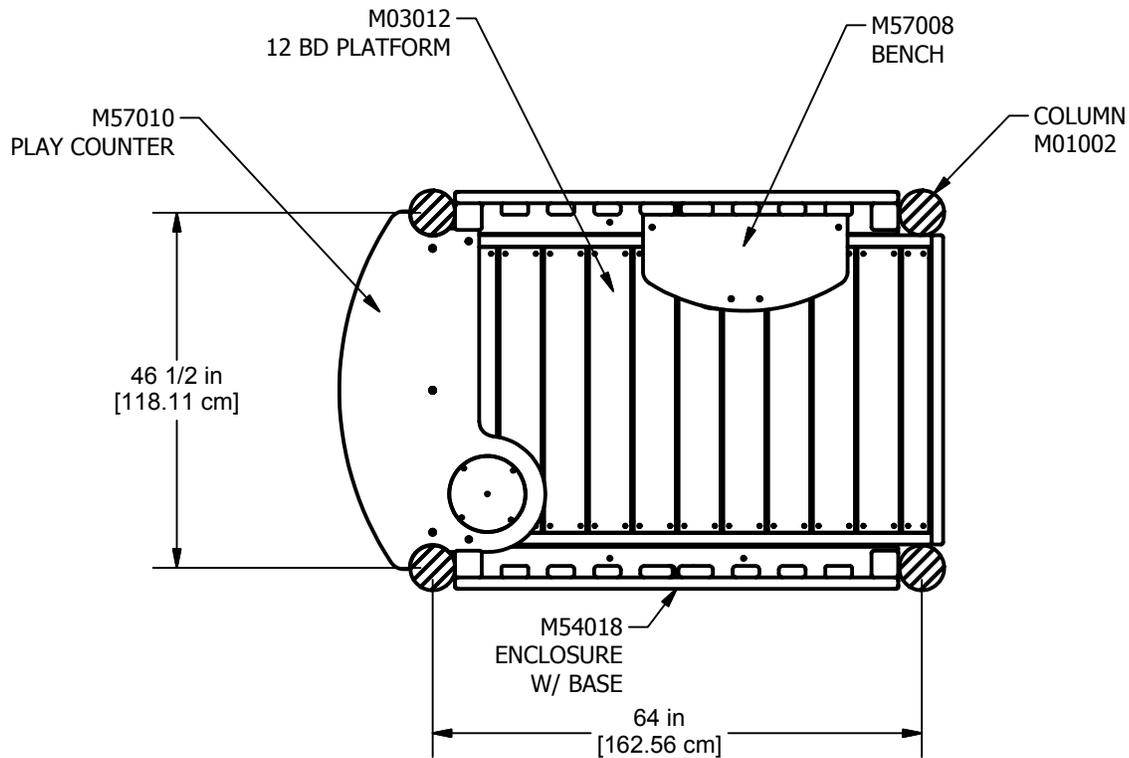
Note: Loctite (supplied by others) should be used on any non-patch hardware.

MEC645 STANDARD PLAYHOUSE



ELEVATION VIEW

MEC645 STANDARD PLAYHOUSE



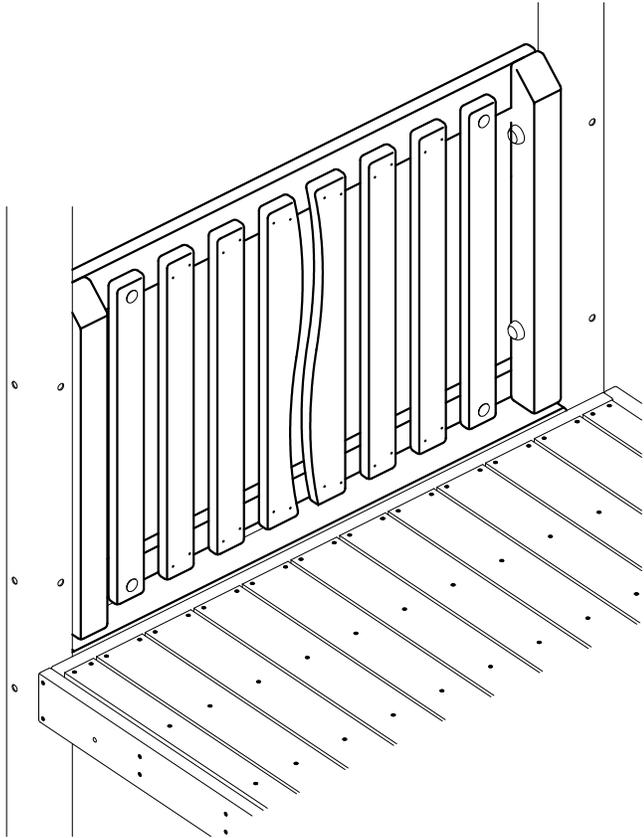
STRUCTURE DIMENSION: 7'-0" x 4'-6"
 RESILIENT SURFACE AREA: 19'-0" x 16'-6"
 ESTIMATED CONCRETE: 5 cu ft (.14 cu m)
 FALL HEIGHT: 2'-5"
 ESTIMATED HOURS TO INSTALL: 12

Enclosure with Base

M54018
Installation Instructions

BigToys

A PLAYCORE Company



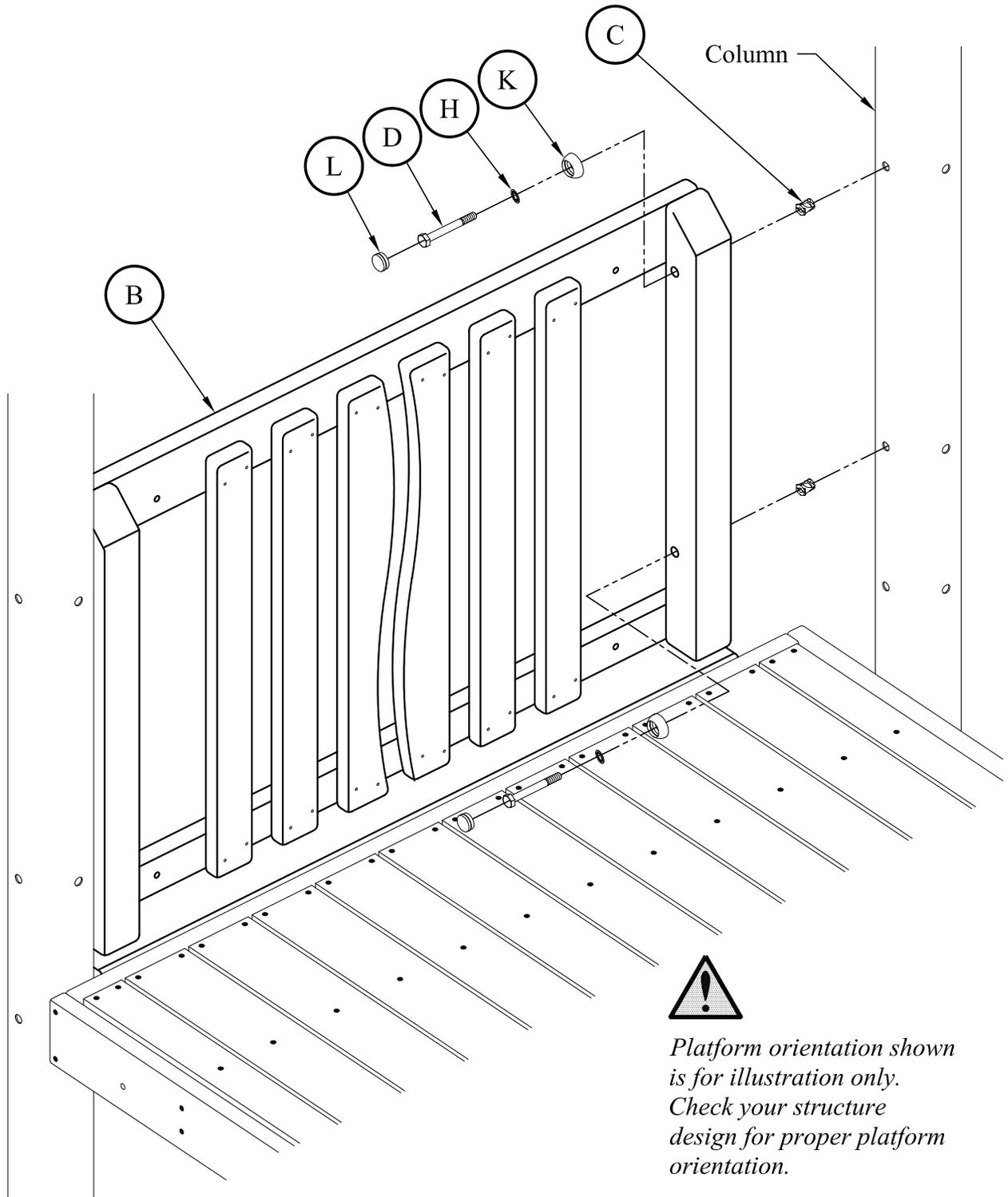
DET.	QTY.	PART#	DESCRIPTION	ICON (NOT TO SCALE)
A	2	401658	Baluster 23-3/4"	
B	1	M740X	Enclosure with Base	
C	4	M000	Threaded Insert 1/2"	 
	1	E725_	Connector Enclosure	
D	4	801217	1/2 x 4-1/2" Hex Head Bolt	
E	4	801526	Bolt Hex 3/8 x 3-3/4"	
F	4	804353	Nut Hex 3/8-16 2-Way Locknut NC PLTD	 
G	8	817200	Lock Washer, 3/8" Int Tooth Type A PLTD	 
H	4	817201	Lock Washer, 1/2" Int Tooth Type A PLTD	 
I	8	G030	Do-Nut Base (No Boss) 10mm	 
J	8	G032	Do-Nut Cap 10mm	 
K	4	G034	Do-Nut Base (No Boss) 12mm	 
L	4	G036	Do-Nut Cap 12mm	 

1. Refer to your structure design for location of Wide Enclosure.

2. **Attach Enclosure (B)** to columns using hardware (C)(K)(H)(D)(L).
(See "Typical Eagle Fastener Installation.")
(See "Typical Do-Nut Installation.")

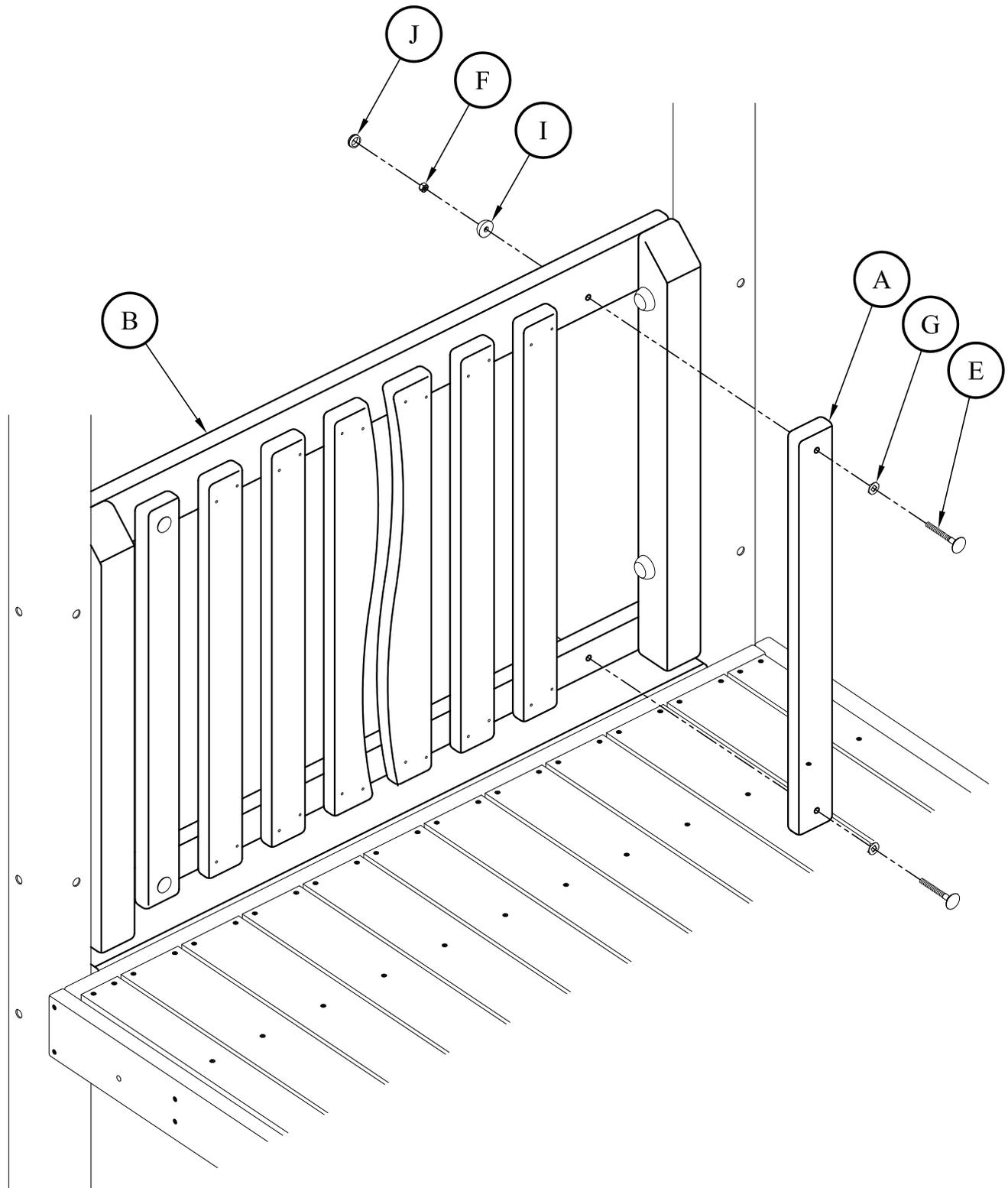


Refer to "Typical Eagle Fastener Installation" in the supplemental prolog (iM1000) for installation procedures.



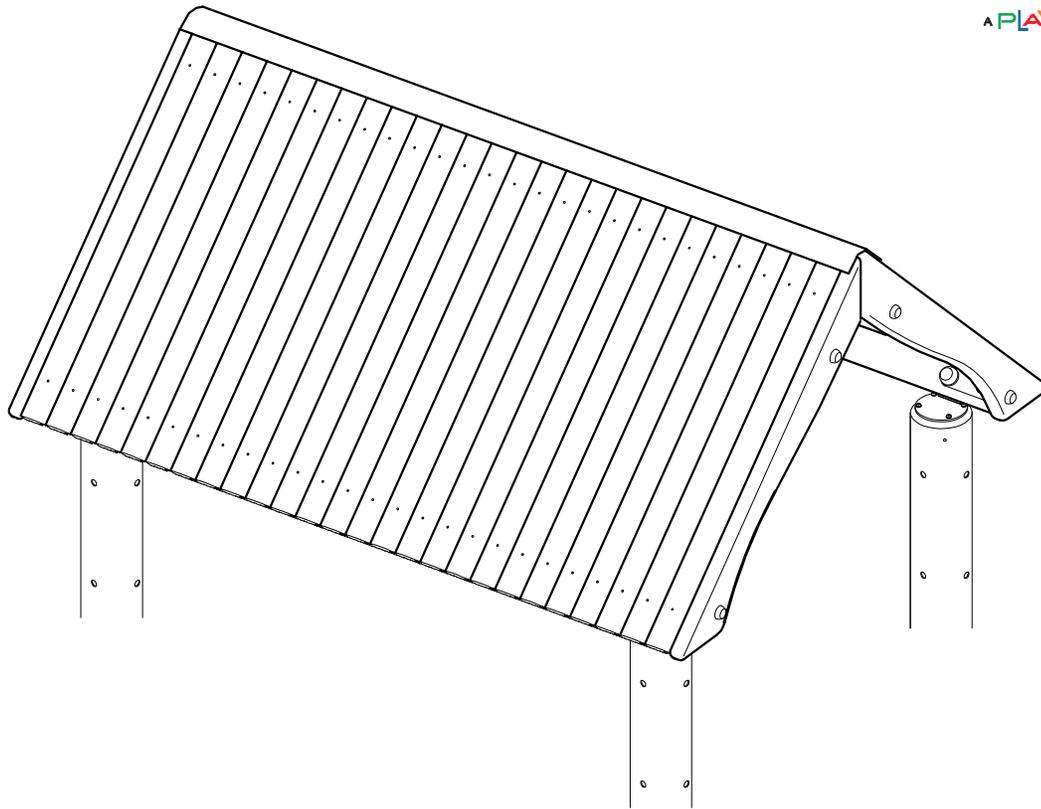
Platform orientation shown is for illustration only. Check your structure design for proper platform orientation.

3. Attach Balusters (A) to Enclosure (B)
using hardware provided (I)(G)(E)(F)(J).



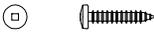
Playhouse Roof 75-1/2" - Metal

M04-008, M53-002
Installation Instructions



DET.	QTY.	PART#	DESCRIPTION	ICON (NOT TO SCALE)
A	1	G548_	Playhouse Roof Ridge Cap 12-Brd	
B	4	402092	Fascia Playhouse	
C	50	401736	Rafter, Playhouse	
D	2	401521	Rafter, Playhouse Edge	
E	2	401705	Beam Lower 75-1/2"	
F	2	401707	Beam Upper 75-1/2"	
	1	E283_	Connector Playhouse Roof 12-Board	
G	4	401352	Bracket, Roof Purlin	
H	16	811012	Cap Screw 1/4 x 1" Btn Hd Sckt CS P-lock	
J	104	810061	Screw, Sht Metal FH SQ DR #10 x 3" SS	
K	4	800429	Bolt Carriage 1/2 x 2-1/4" NC Pltd	
L	4	804355	Nut, Hex 1/2" - Lock	
M	16	G030_	Do-Nut Base (No Boss) 10mm	

Continued

DET.	QTY.	PART#	DESCRIPTION	ICON (NOT TO SCALE)
N	16	G032_	Do-Nut Cap 10mm	
O	4	G034_	Do-Nut Base (No Boss) 12mm	
P	4	G036_	Do-Nut Cap 12mm	
Q	4	401462	Bracket, Playhouse "L" Hdg	
R	4	401463	Bracket, Playhouse 90D HDG	
S	4	401464	Bracket, Playhouse 90D Gusset, HDG	
T	16	815513	#12 x 1-1/4" Sq Dr Pn Hd SS	
U	20	804353	Nut Hex 3/8-16 2-Way Locknut NC PLTD	
V	16	800258	Bolt Carriage 3/8 x 2-1/4" Nc Pltd	
W	16	817200	Lock Washer, 3/8" Int Tooth Type A PLTD	
X	16	817408	Washer Flat 1/4" SAE SS	
Y	4	M600	Column End Fitting, Alum	
Z	8	805304	Rivet, Alum Drive 1/4 x 13/32	

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.

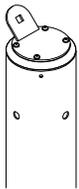
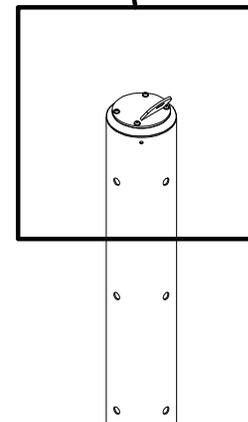
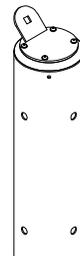
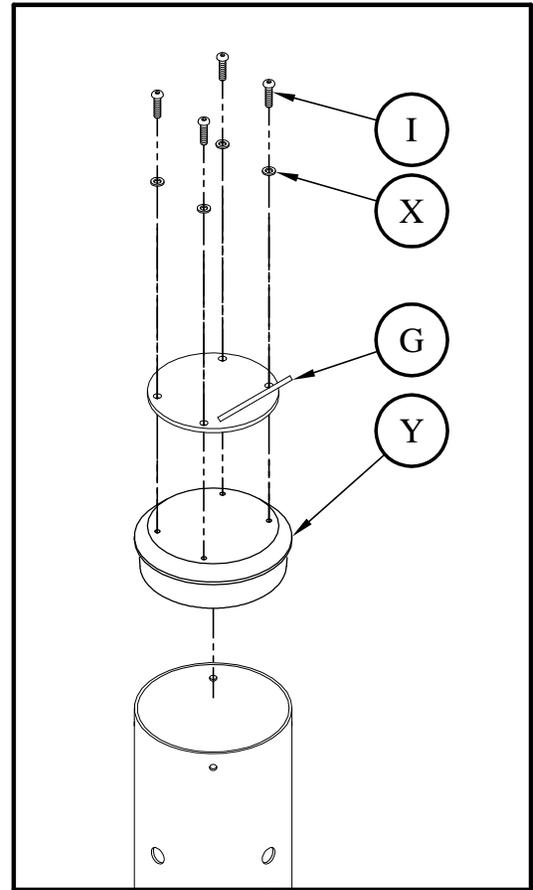
Maintain detailed installation, inspection, maintenance, and repair records for each public-use playground equipment.

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 (G) to Column End Fitting-Bracket Mount (Y) using hardware (H)(X).**
3. **Insert the Column End Fitting-Bracket Mount Assembly into column and orient as shown.**

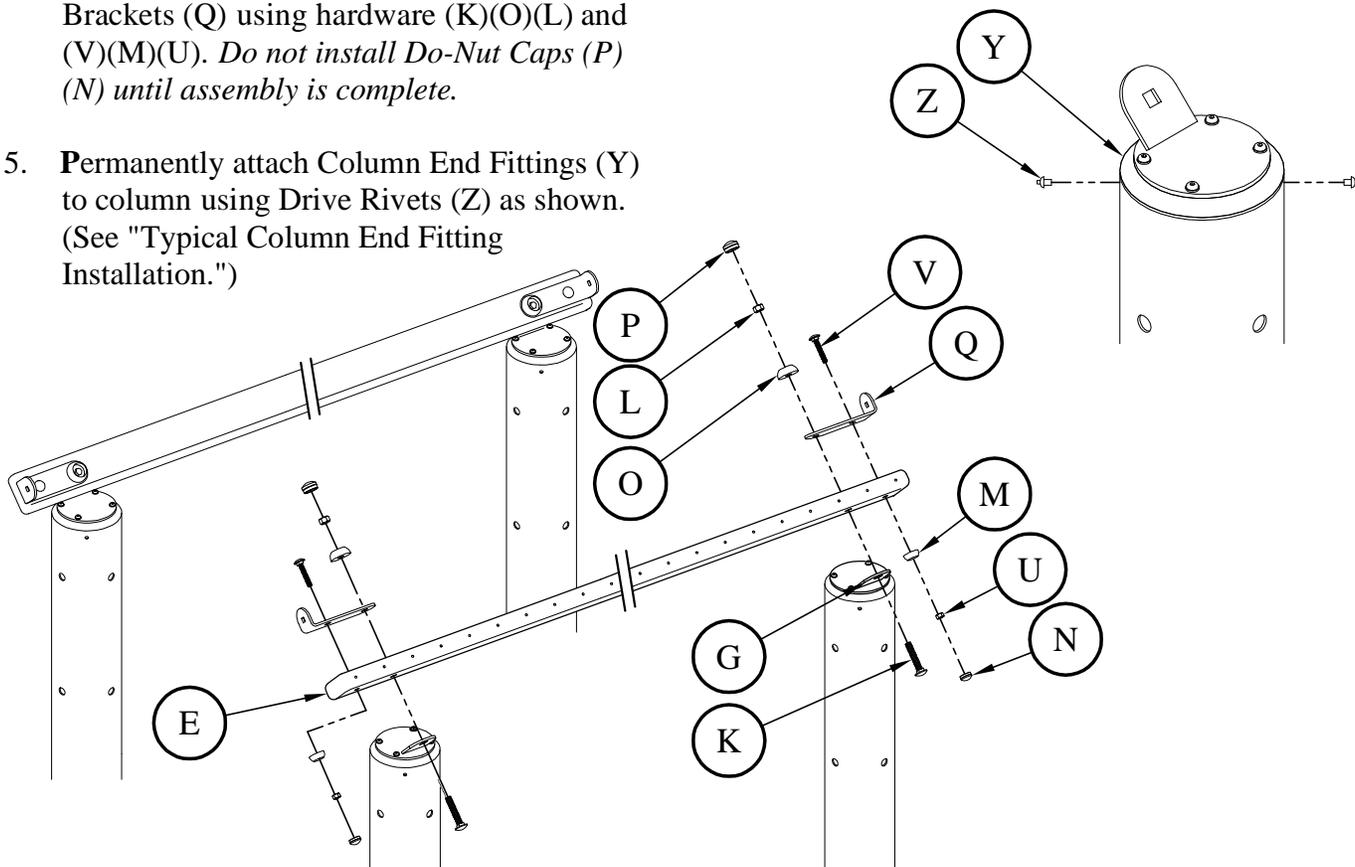


Do not install the rivets to secure the brackets at this time.

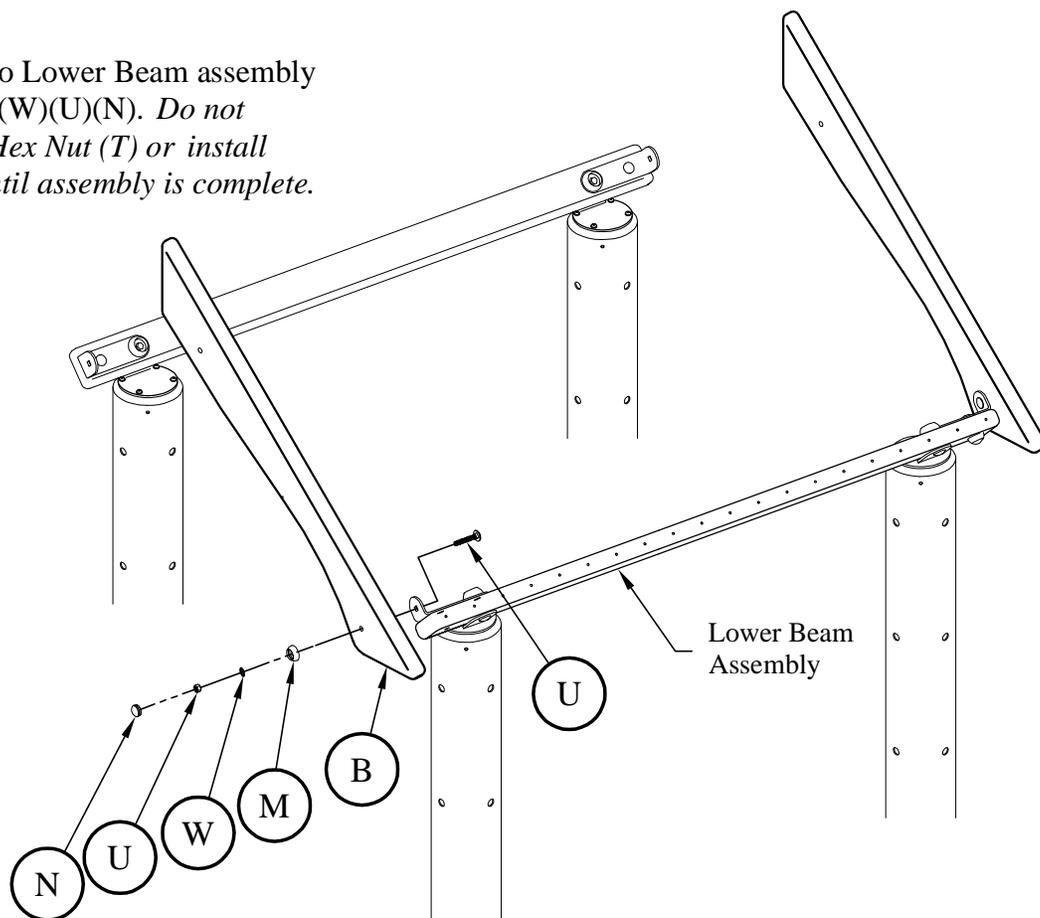


4. **Attach Lower Beams (E)** and Playhouse "L" Brackets (Q) using hardware (K)(O)(L) and (V)(M)(U). *Do not install Do-Nut Caps (P) (N) until assembly is complete.*

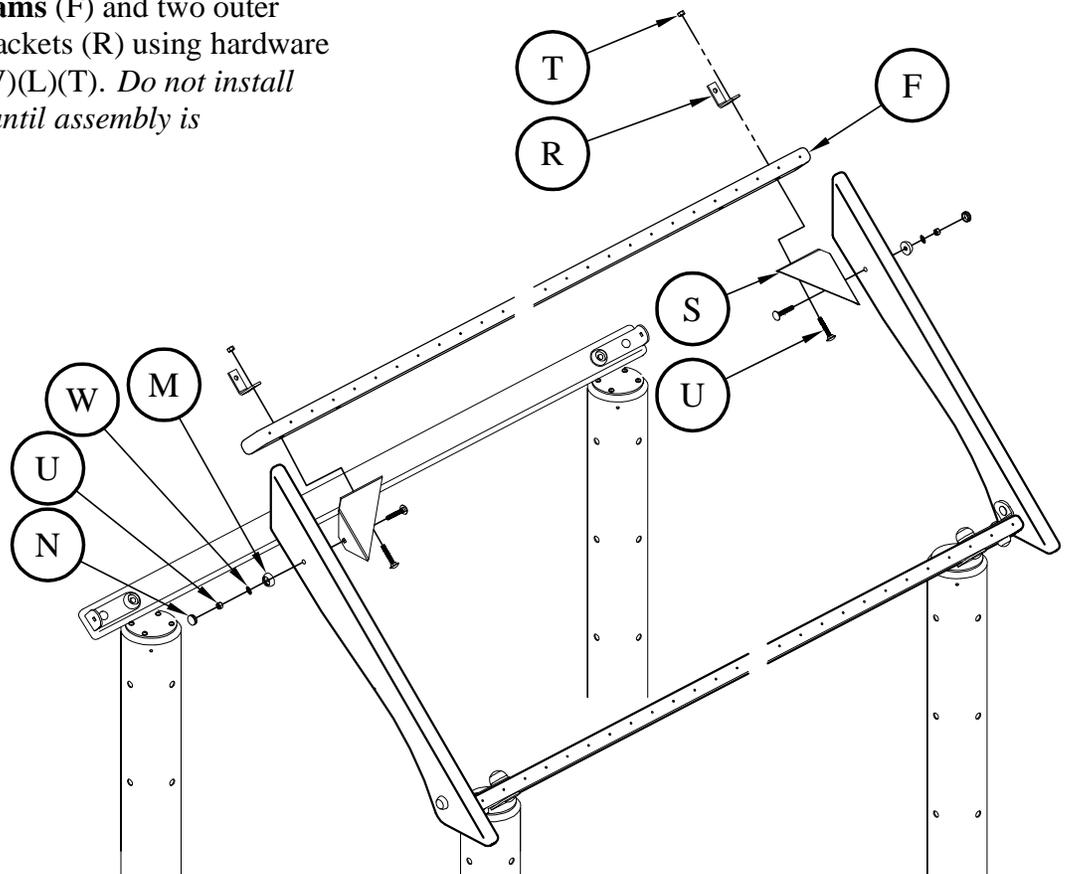
5. **Permanently attach Column End Fittings (Y)** to column using Drive Rivets (Z) as shown. (See "Typical Column End Fitting Installation.")



6. **Attach Facias (B)** to Lower Beam assembly using hardware (M)(W)(U)(N). *Do not completely tighten Hex Nut (T) or install Do-Nut Caps (N) until assembly is complete.*

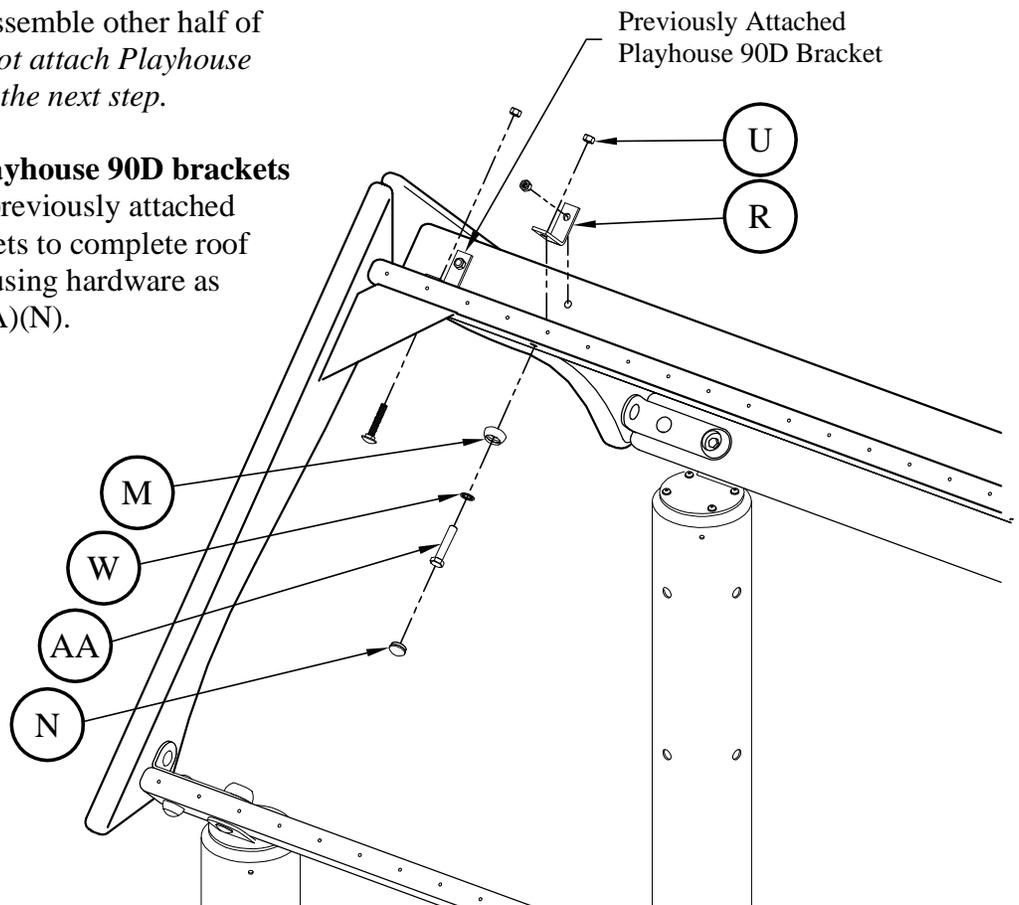


7. **Attach Upper Beams (F) and two outer Playhouse 90D Brackets (R)** using hardware as shown (R)(U)(V)(L)(T). *Do not install Do-Nut Caps (N) until assembly is complete.*



8. **Repeat steps 5-6** to assemble other half of roof framework. *Do not attach Playhouse 90D Bracket (R) until the next step.*

9. **Install remaining Playhouse 90D brackets (R) and bolt through previously attached Playhouse 90D Brackets to complete roof framework assembly** using hardware as shown (U)(M)(W)(AA)(N).



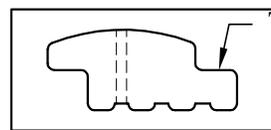
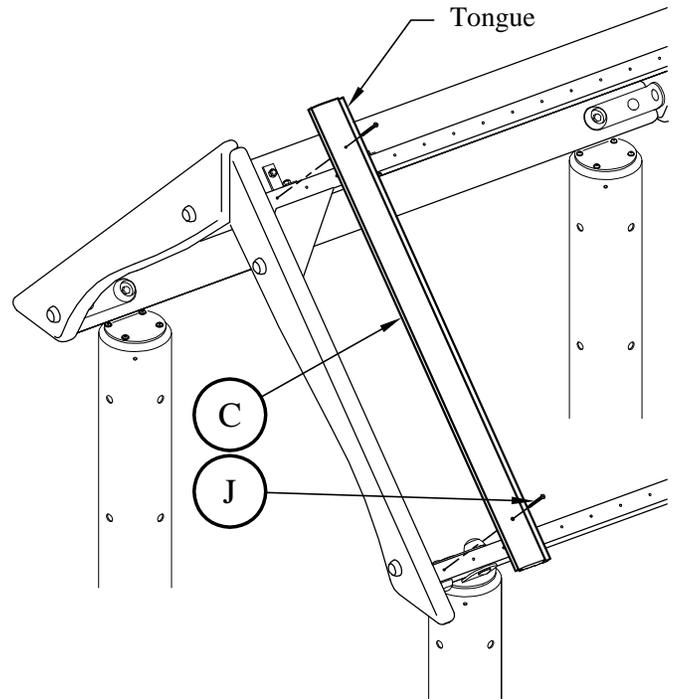
10. **Attach Rafters (C)** to both sides of roof framework. Starting on the left, orient the first Rafter (C) with the tongue facing inward and attach by inserting two Screws (J) through the rafter and into pilot holes in Upper and Lower Beams.

11. **Continue attaching Rafters (C)** by inserting two Screws (J) through the rafter and into pilot holes in Upper and Lower Beams, with each rafter overlapping the tongue of the previously attached rafter. *Note: The last space will be too narrow for a Rafter so you must use an Edge Rafter (see next step.)*

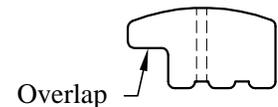
12. **Attach Edge Rafters (D)** in the last position on each side of roof by inserting two Screws (J) through rafter and into pilot holes in Upper and Lower Beams.

13. **Install Ridge Cap (A)** using hardware (T).

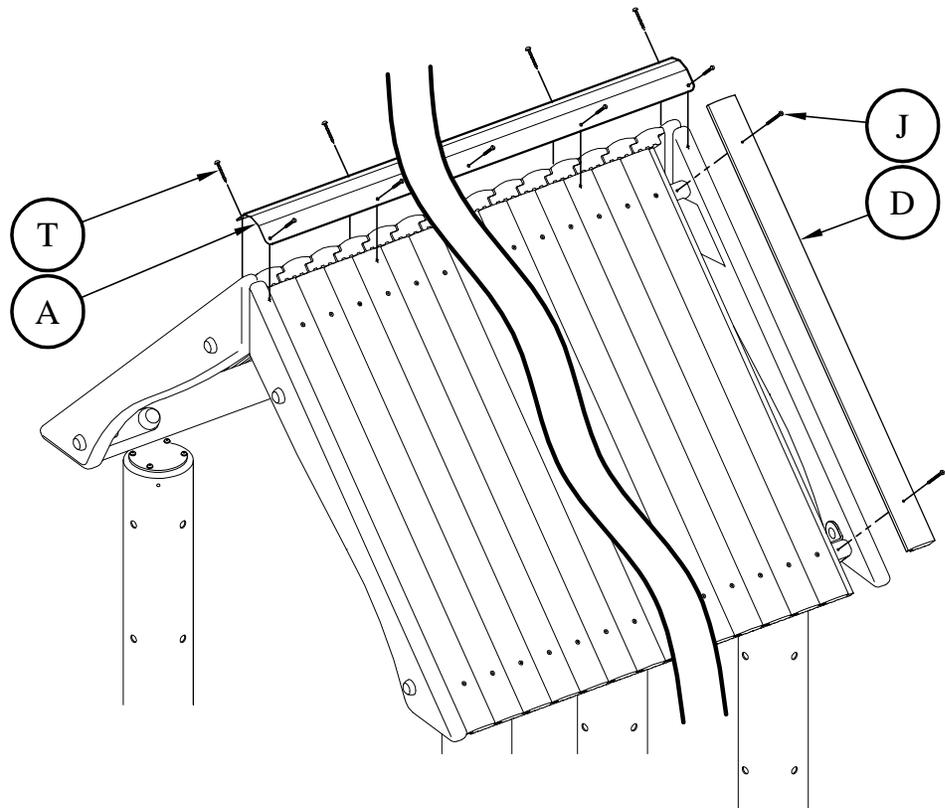
14. **Tighten all hardware and install Do-Nut Caps.** (See "Typical Do-Nut Installation.")



End View of Plain Rafter (C)

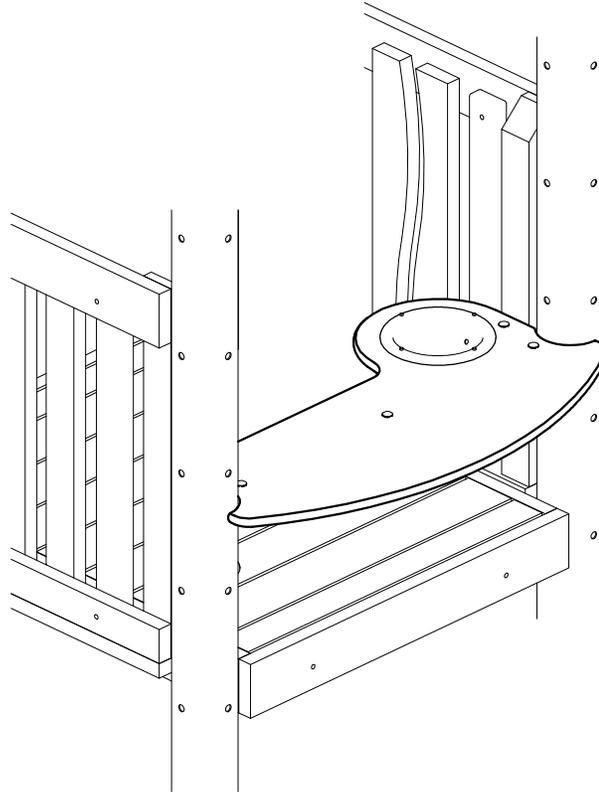


End View of Edge Rafter (D)



Play Counter - Metal

M57-010
Installation Instructions

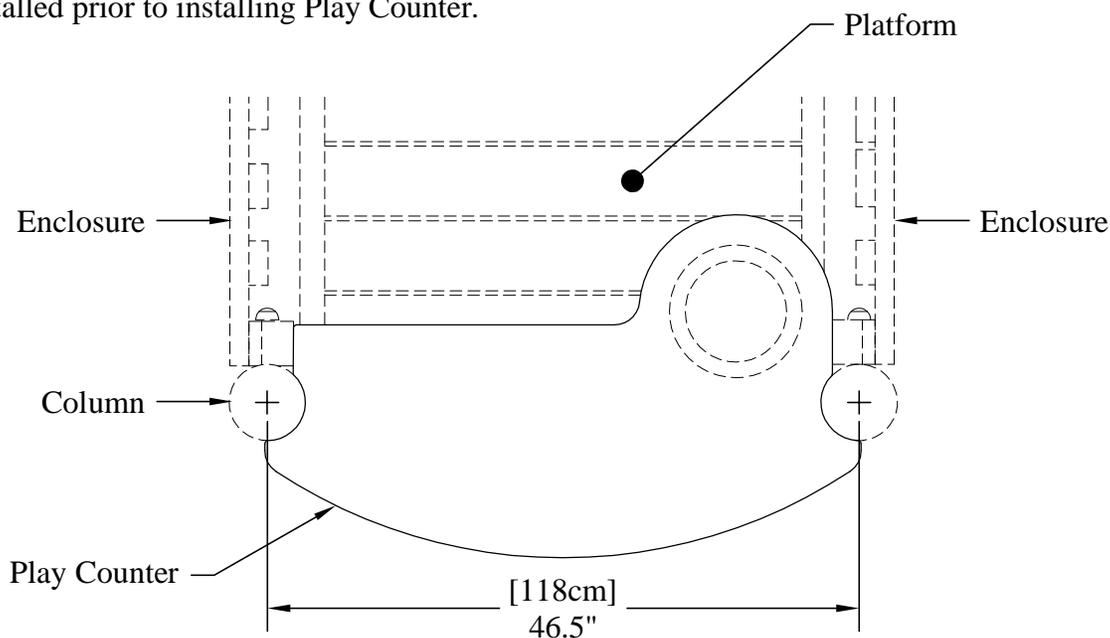


DET.	QTY.	PART#	DESCRIPTION	ICON (NOT TO SCALE)
A	1	L513	Plate, Play Counter	
B	1	401381	Bowl with 4 Holes	
C	1	402079	Play Counter Support Beam - EW	
D	2	M000	Threaded Insert 1/2"	
	1	E980_	Connector, Play Counter - Metal	
E	4	817201	Lock Washer, 1/2" Int Tooth Type A PLTD	
F	3	811057	Cap Screw 3/8-16 x 2-1/2" Btn Hd SS	
G	4	815517	Wood Screw #8 x 3/4" Phil DR PN HD SS	
H	2	800725	Screw Lag 3/8 x 2" Pltd	
I	7	G030_	Do-Nut Base (No Boss) 10mm	
J	7	G032_	Do-Nut Cap 10mm	
K	2	G034_	Do-Nut Base (No Boss) 12mm	
L	2	G036_	Do-Nut Cap 12mm	
M	2	801206	Bolt Tap 1/2-13 x 1-3/4" Grd 2 Nc Pltd	

Continued

DET.	QTY.	PART#	DESCRIPTION	ICON (NOT TO SCALE)
N	2	G273	Bracket, Play Counter Support	
O	2	402288	Bracket, EarlyWorks 90D	
P	5	804353	Nut Hex 3/8-16 2-Way Locknut NC PLTD	
Q	2	811053	Cap Screw 3/8-16 x 1-1/2" Btn Hd SS	
R	7	817200	Lock Washer, 3/8" Int Tooth Type A PLTD	
S	4	817424	Washer Fender 3/8 x 1-1/2" OD Pltd	
T	5	817410	3/8" Flat Washer	

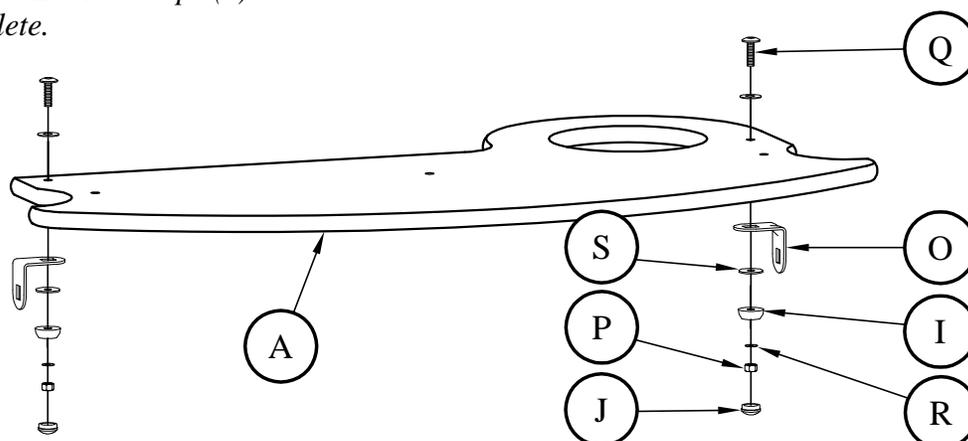
1. Refer to your structure design for location of the Play Counter.
2. Platform, columns, and enclosures must be installed prior to installing Play Counter.



3. Attach Brackets (O) to Play Counter (A)

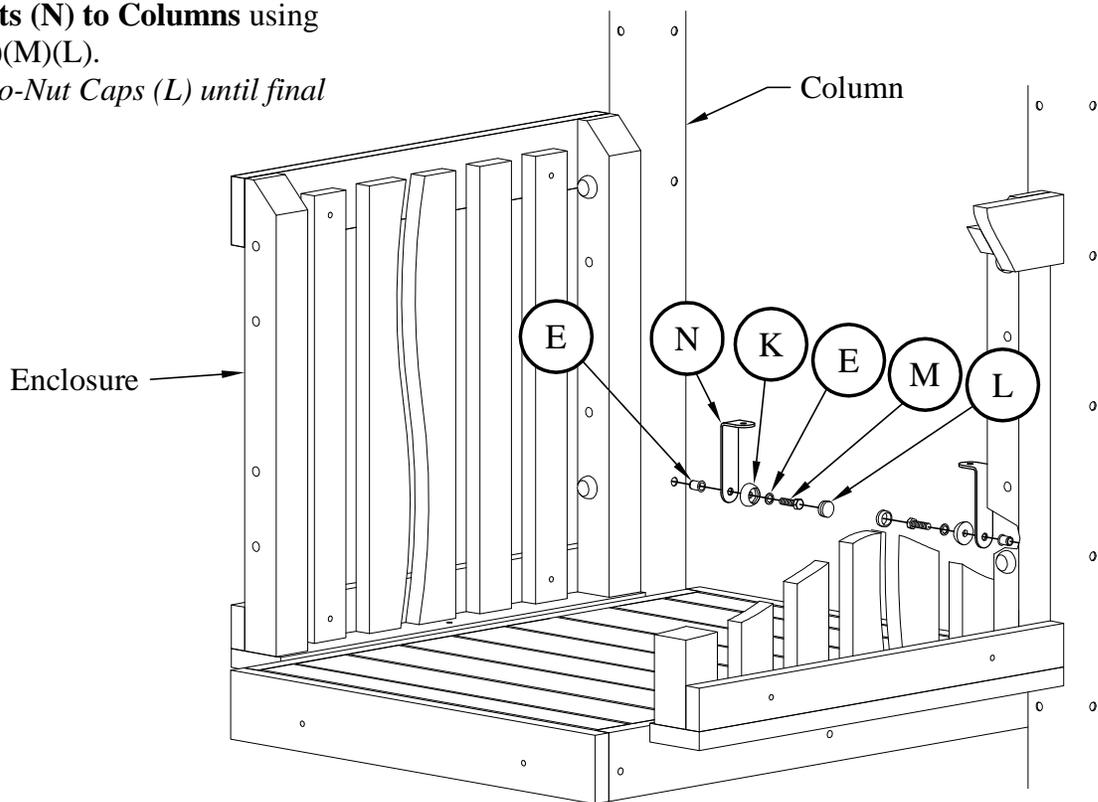
using hardware (Q)(R)(I)(P).

Note: Do not install Do-Nut Caps (J) until final step is complete.

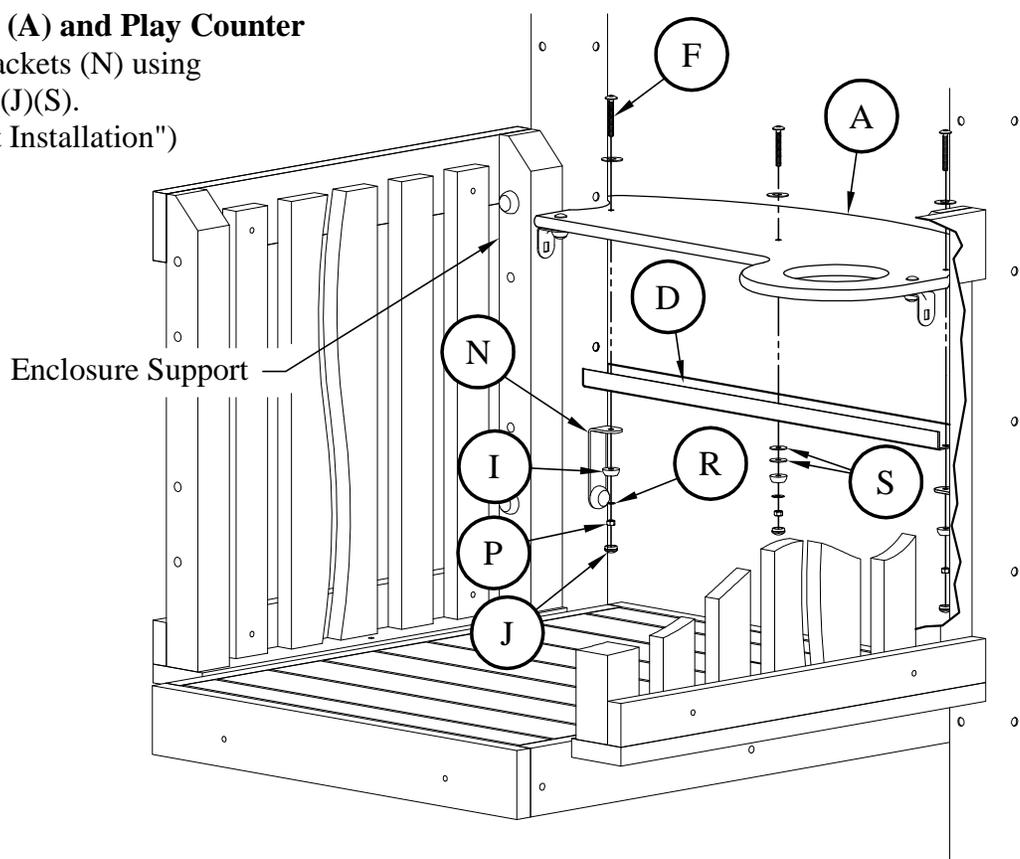


4. **Install Threaded Inserts (E) in Columns.**
(See "Typical Threaded Insert Installation")

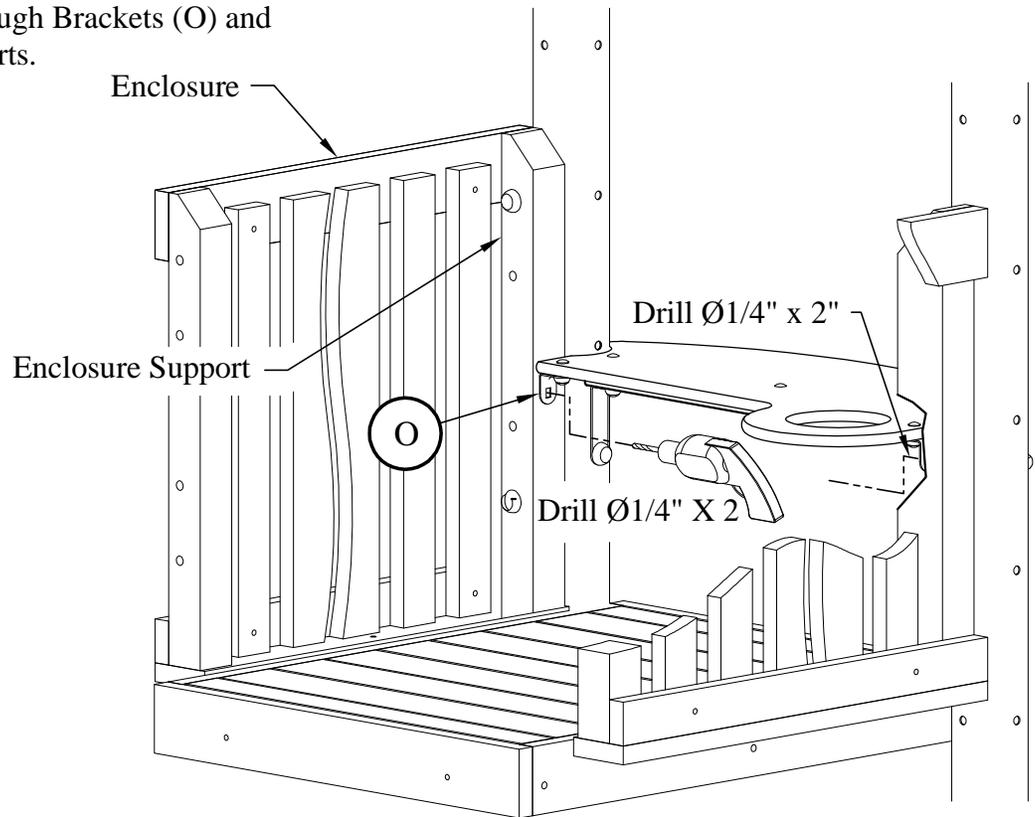
5. **Attach Brackets (N) to Columns** using hardware (K)(E)(M)(L).
Do not install Do-Nut Caps (L) until final step is complete.



6. **Install Play Counter (A) and Play Counter Support (D)** onto Brackets (N) using hardware (F)(R)(I)(P)(J)(S).
(See "Typical Do-Nut Installation")

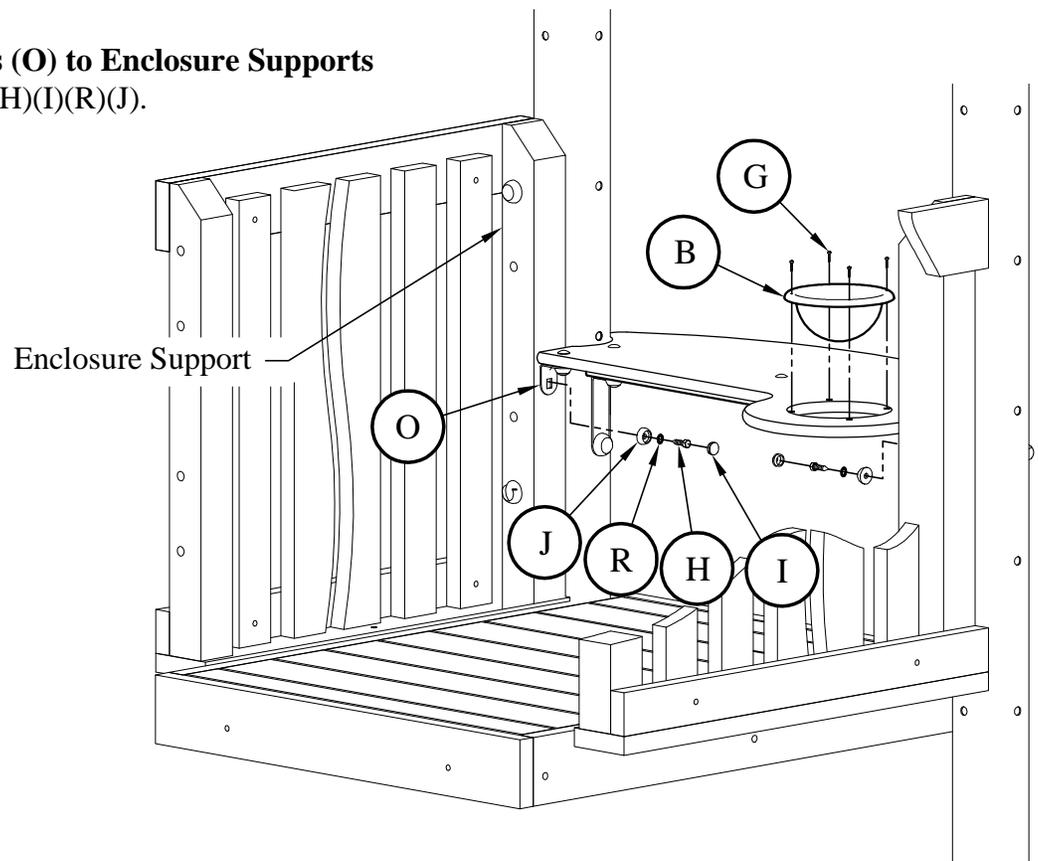


8. **With Play Counter Level, drill $\text{\O}1/4"$ x 2" deep pilot holes** through Brackets (O) and into Enclosure Supports.



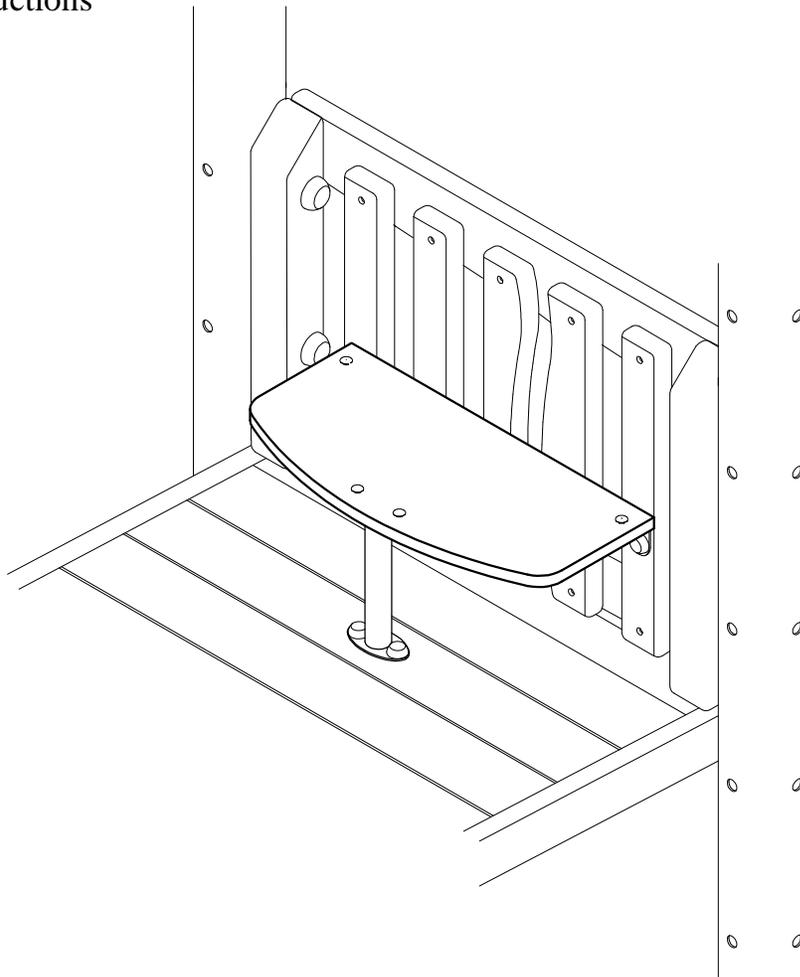
10. **Attach Bowl (B) to Play Counter (A)** using hardware (G).

11. **Secure Brackets (O) to Enclosure Supports** using hardware (H)(I)(R)(J).



Bench - Metal

M57-008
Installation Instructions



DET.	QTY.	PART#	DESCRIPTION	ICON (NOT TO SCALE)
A	1	402066	Leg EarlyWorks Bench	
B	1	L518	Plate, Bench	
	1	E981_	Connector, EarlyWork Bench - M	
C	2	800290	Bolt Carriage 3/8 x 1-3/4" Nc PLTD	
D	2	801009	Bolt Hex 3/8-16 x 2-1/2" Grd 2 NC Pltd	
E	4	811053	Cap Screw 3/8-16 x 1-1/2" Btn Hd SS	
F	2	402288	Bracket, EarlyWorks 90D	
G	10	G030_	Do-Nut Base (No Boss) 10mm	
H	10	G032_	Do-Nut Cap 10mm	
I	8	804353	Nut Hex 3/8-16 2-Way Locknut NC PLTD	
J	2	H577	Washer 3/8" Barbed Galvanized	
L	10	817200	Lock Washer, 3/8" Int Tooth Type A PLTD	

1. Refer to the design layout for the location of the Bench.
(See "Typical Do-Nut Installation.")
2. **Attach Bench Leg (A) and Bracket (F) to Bench Plate (B) using hardware (E)(G)(I)(H)(L) as shown.**
(See "Typical Do-Nut Installation.")
3. Place the assembled unit against the enclosure and on top of the platform at the location specified on your design layout, and mark drilling locations on the platform through the holes on Bench Leg (A) and on enclosure through holes on Bracket (G).
4. **Drill $\text{\O} \frac{7}{16}$ " through holes** at the marked locations.
5. **Attach the assembled unit** to platform and enclosure using hardware (C)(J)(G)(I)(H)(L).
6. Tighten all hardware.

