

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) Refer to Installation Manual for 1708 Tube Supports, R5-1601 Panel Type 1 (Rotomold), and R35-1600 R3.5 Panel Assembly installation instructions.

(D) 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 for the surfacing appropriate for the fall height of the equipment or consult your surfacing supply representative.

**FIGURE 1
Tube Panel**

See Installation Manual Sections
R5-1601 Panel Type 1 (Rotomold)
or R35-1600 R3.5 Panel Assembly

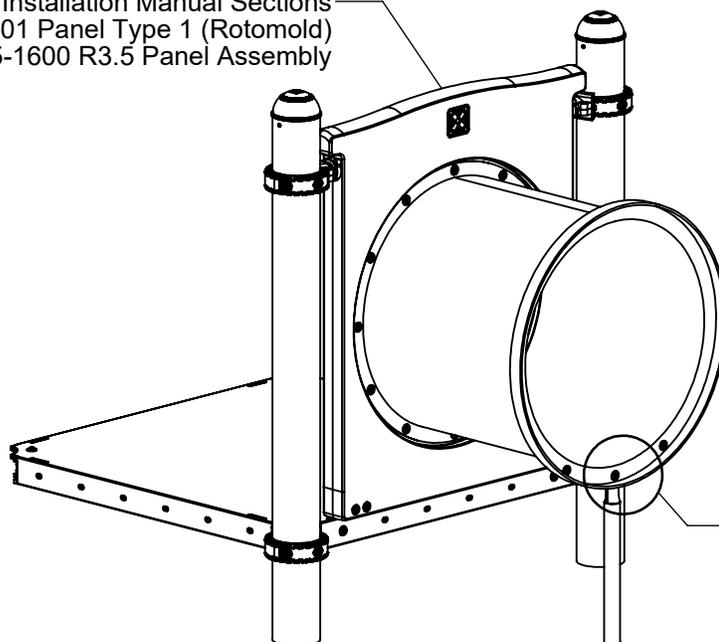


Figure 1.1

See Installation Manual Section
1708 Tube Supports

See Footing Detail

NOTE: R5 12" Tube Panel shown.
Other configurations will vary slightly,
but does not affect assembly.

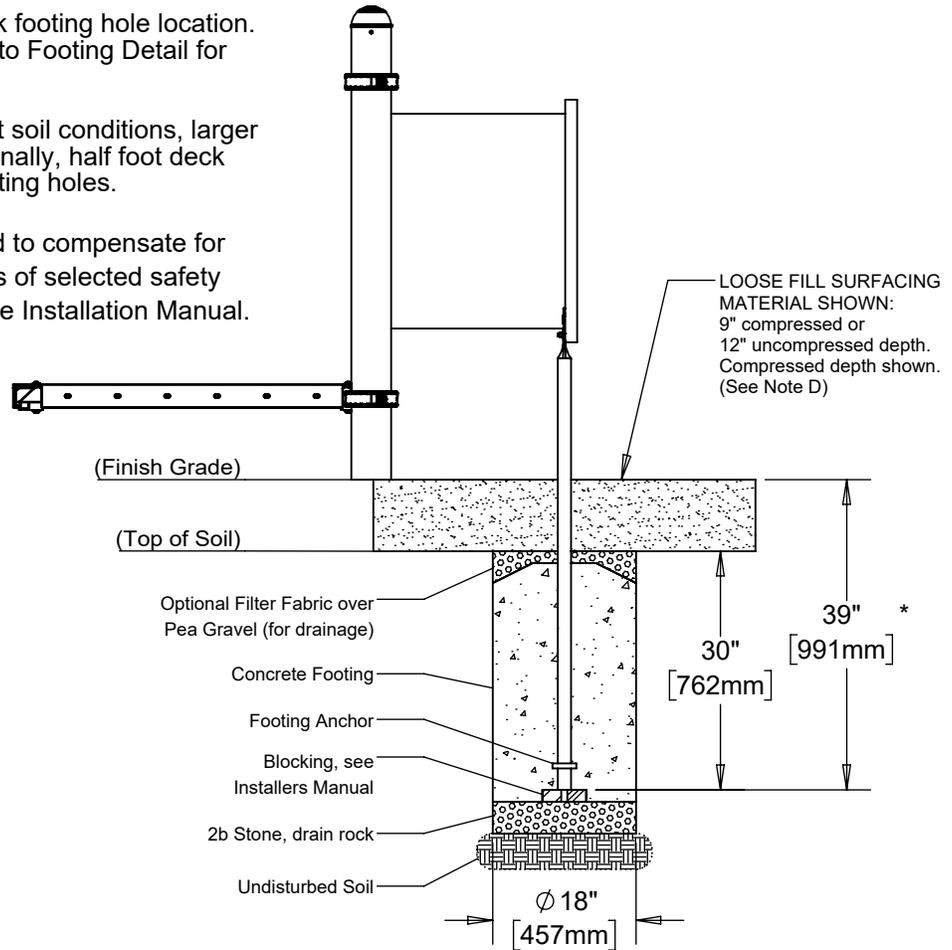
Step 1

Elevation View - Footing Detail

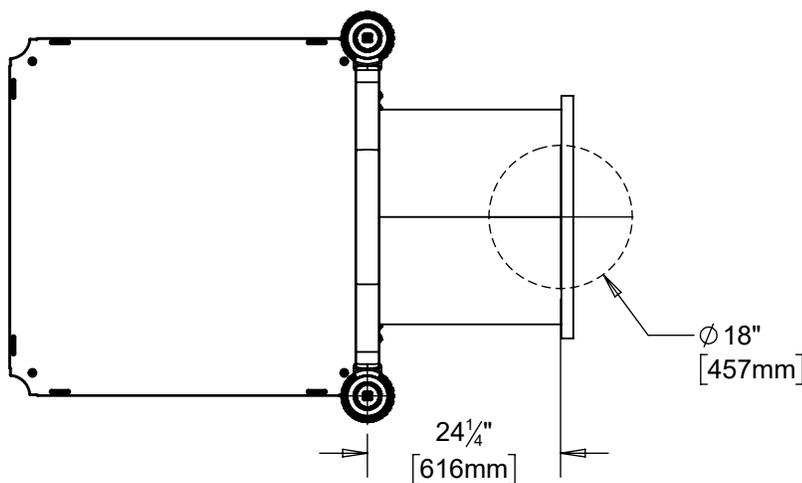
Refer to Footing Layout and mark footing hole location. Dig (1) $\text{\O} 18''$ footing hole. Refer to Footing Detail for depth and details.

IMPORTANT: For areas with soft soil conditions, larger footings may be required. Additionally, half foot deck heights will require 6" deeper footing holes.

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



Top View - Footing Layout



Step 2a

For R5 Version Only

Attach Tube Straight to Roto Panel Round as shown in Figure 2. (See Note A)

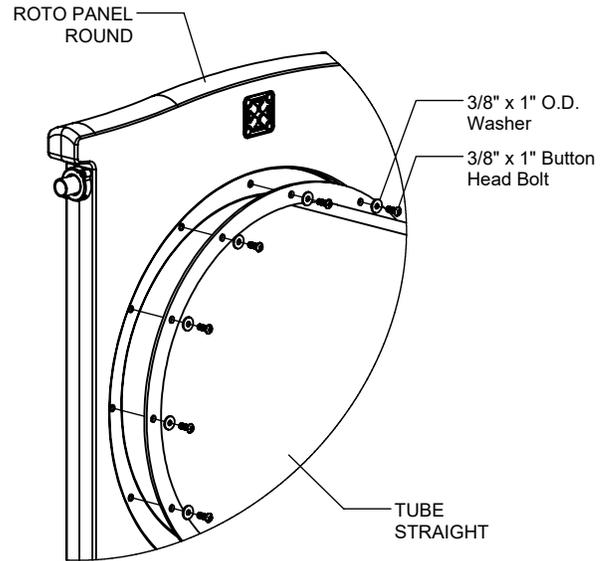


FIGURE 2

Step 2b

For R35 Version Only

Attach Tube Straight to Tube Panel as shown in Figure 3. (See Note A)

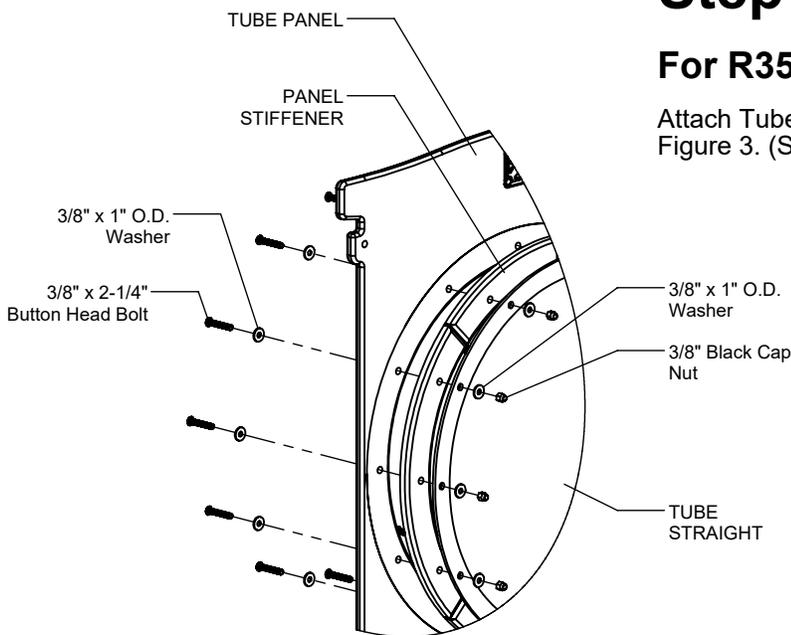


FIGURE 3

Step 3

Attach Panel to Deck and Collars as described in R5-1601 Panel Type 1 (Rotomold) and R35-1600 R3.5 Panel Assembly installation instructions.

Place Straight Tube Support in footing hole. For Non-Window version, match drill (3) \varnothing 1/2" holes where Straight Tube Support will mount. Attach Straight Tube Support to Crawl Tube as shown in Figure 1.1. (See Notes A & C)

If attaching Window and Trim, do so as shown in Figure 4. (See Notes A & C)

IMPORTANT: Use bolts shown, not bolts supplied with Tube Support.

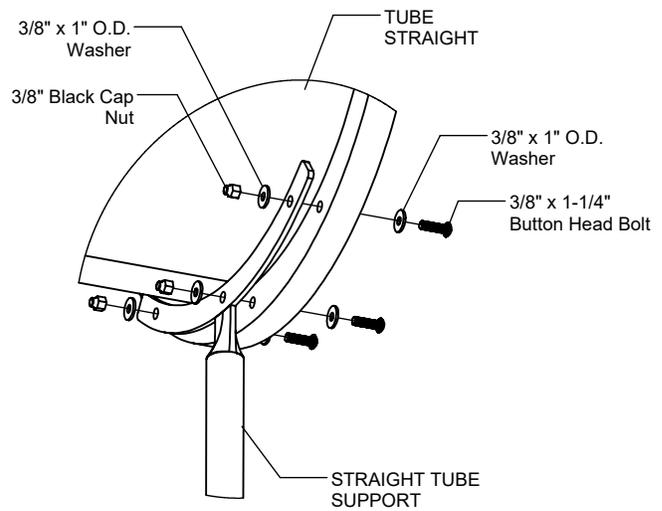


Figure 1.1

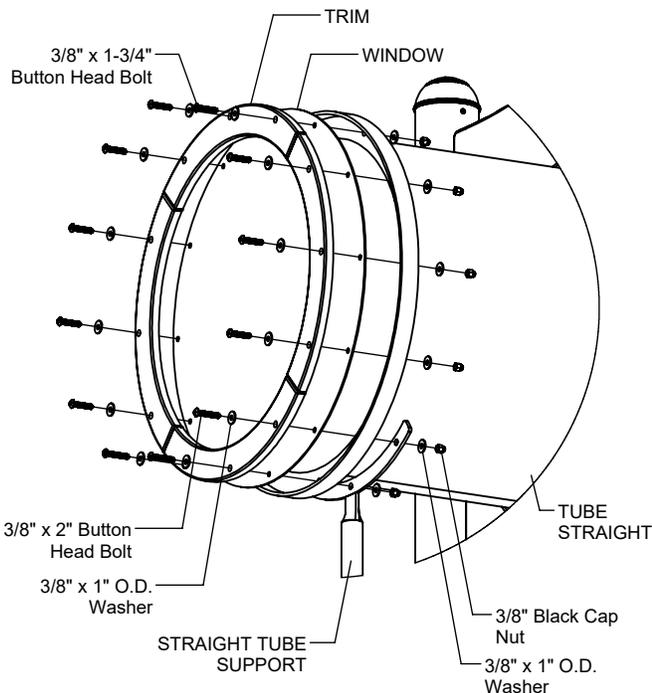


FIGURE 4

Step 4

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

Step 5

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

Step 6

Place required protective surfacing under and around Tube Panel. (See Note D)

R5 Parts List

S-1613-R5: R5 TUBE PANEL GROUND		
Part #	DESCRIPTION	QTY
Varies	Tube Straight	1
S-1600-R5	Panel Round R5	1
S-1708-STRT	Straight Tube Support	1
9103052-TR	Bolt Button Head 3/8" x 1"	12
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	3
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9413162-BLK	Nut Lock 3/8" w/ Black Cap	3

S-1613-12R5: R5 TUBE PANEL 12" DECK		
Part #	DESCRIPTION	QTY
Varies	Tube Straight	1
S-1600-R5	Panel Round R5	1
S-1708-STRT12	Straight Tube Support	1
9103052-TR	Bolt Button Head 3/8" x 1"	12
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	3
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9413162-BLK	Nut Lock 3/8" w/ Black Cap	3

S-1613-24R5: R5 TUBE PANEL 24" DECK		
Part #	DESCRIPTION	QTY
Varies	Tube Straight	1
S-1600-R5	Panel Round R5	1
S-1613-WIN	Tube Panel Window	1
S-1708-STRT24	Straight Tube Support	1
9103052-TR	Bolt Button Head 3/8" x 1"	12
9103092-TR	Bolt Button Head 3/8" x 2"	3
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	12
9413162-BLK	Nut Lock 3/8" w/ Black Cap	3

Specifications

TUBE SECTION & R5 PANEL:

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

R35 PANEL, STIFFENER, & TRIM:

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

TUBE SLIDE LEG SUPPORT:

Shall be fabricated using 1.660" O.D. 11 gauge steel tubing welded to a 3/16" thick steel plate and 5/8" steel rod and will have a multi-stage baked-on powder coat finish.

WINDOW:

Shall be fabricated using .118 thick clear polycarbonate.

HARDWARE:

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

R35 Parts List

S-1613-R35: R35 TUBE PANEL GROUND		
Part #	DESCRIPTION	QTY
Varies	Tube Straight	1
EG-8252-STF	R3.5 Tube Panel Stiffener	4
S-1600-R35T	Round Tube Panel R3.5	1
S-1708-STRT	Straight Tube Support	1
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	3
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	24
9413162-BLK	Nut Lock 3/8" w/ Black Cap	15

S-1613-12R35: R35 TUBE PANEL 12" DECK		
Part #	DESCRIPTION	QTY
Varies	Tube Straight	1
EG-8252-STF	R3.5 Tube Panel Stiffener	4
S-1600-R35T	Round Tube Panel R3.5	1
S-1708-STRT12	Straight Tube Support	1
9103062-TR	Bolt Button Head 3/8" x 1-1/4"	3
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	24
9413162-BLK	Nut Lock 3/8" w/ Black Cap	15

S-1613-24R35: R35 TUBE PANEL 24" DECK		
Part #	DESCRIPTION	QTY
Varies	Tube Straight	1
EG-8252-STF	R3.5 Tube Panel Stiffener	4
S-1600-R35T	Round Tube Panel R3.5	1
S-1613-WIN	Tube Panel Window	1
S-1708-STRT24	Straight Tube Support	1
9103092-TR	Bolt Button Head 3/8" x 2"	3
9103102-TR	Bolt Button Head 3/8" x 2-1/4"	12
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	24
9413162-BLK	Nut Lock 3/8" w/ Black Cap	15

Window Insert Option

S-1613-WIN: TUBE PANEL WINDOW		
Part #	DESCRIPTION	QTY
EE-0115	Tube Window Panel Trim	4
EE-4394	30" Dia. Plexi-Glass Window	1
9103082-TR	Bolt Button Head 3/8" x 1-3/4"	9
9333002	Washer Flat 3/8" x 1" O.D. x .100" thick	18
9413162-BLK	Nut Lock 3/8" w/ Black Cap	9

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.

