

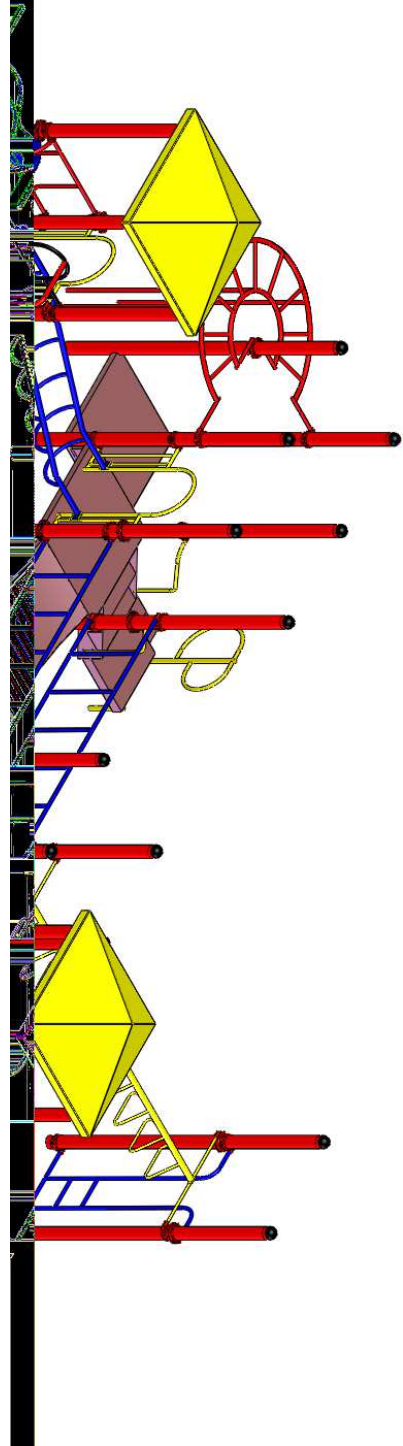


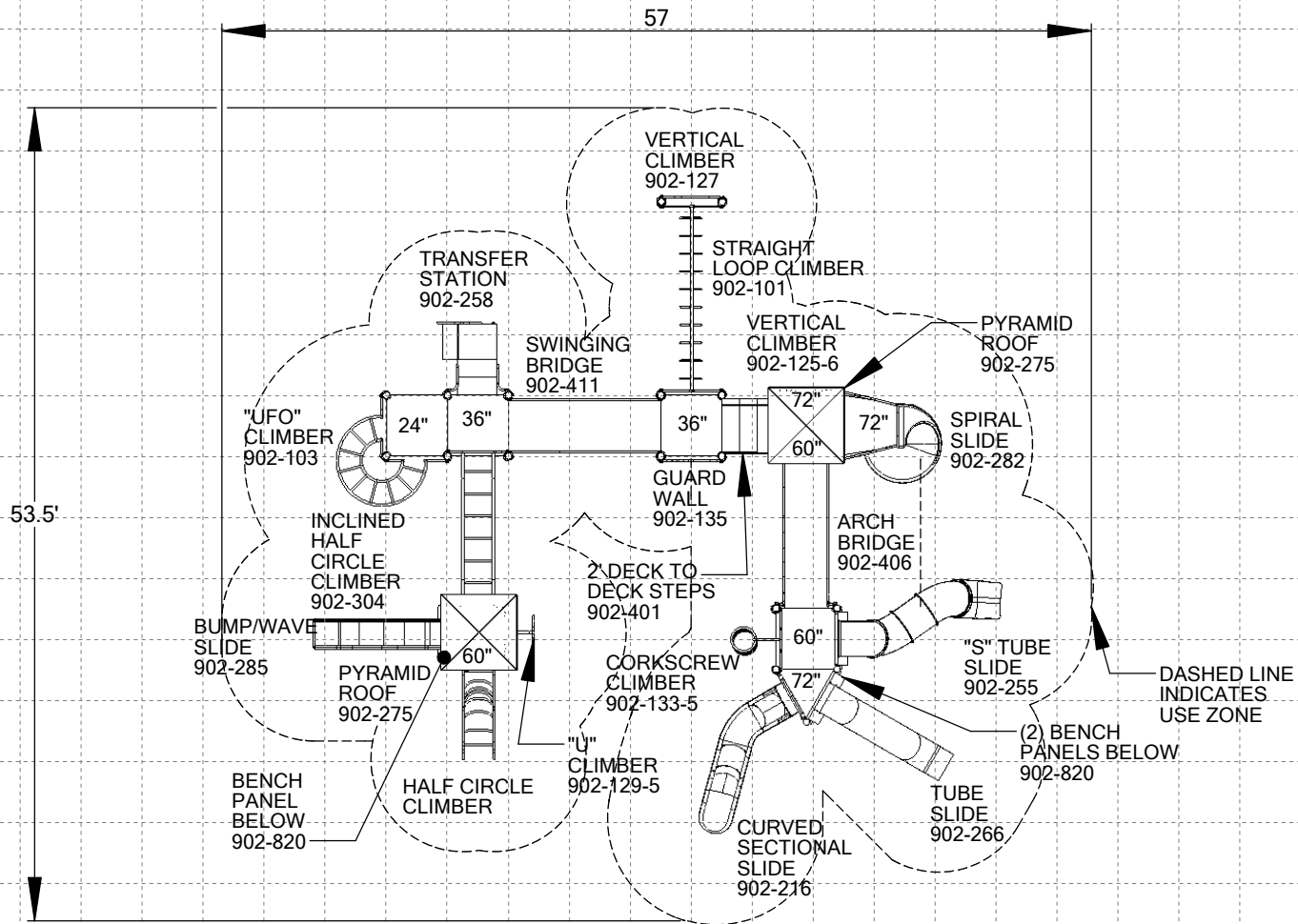
Custom Modular Structure Installation Booklet



800-727-8180

www.sportsplayinc.com





1/3" = 4'



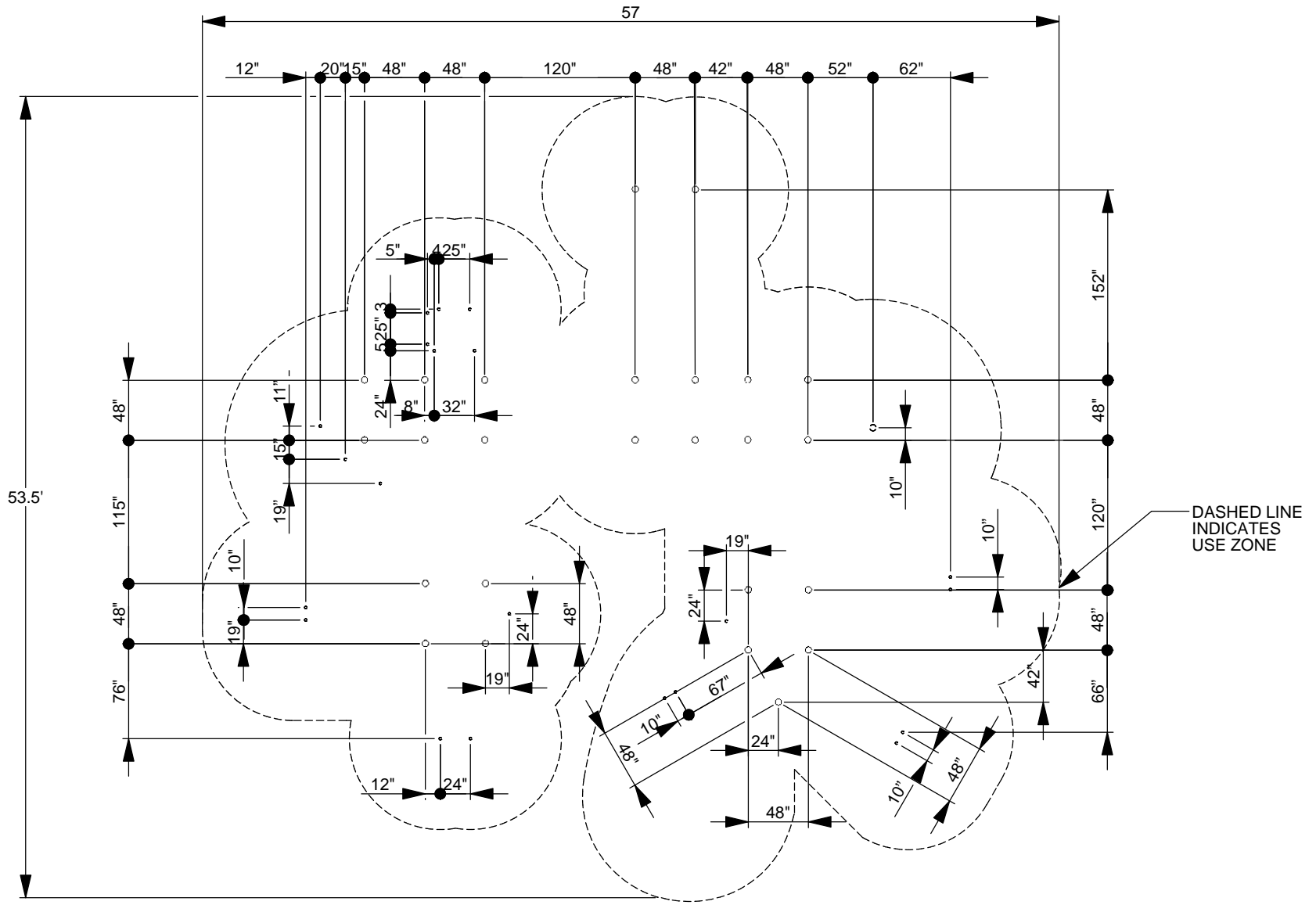
SportsPlay
 5642 Natural Bridge
 800-727-8180
 Fax: 314-389-9034
 www.sportsplayinc.com

Size: 45' x 41.5'
 Use Zone: 57' x 53.5'

| | |
|------------------------------------|----------|
| Drawn By: | Date |
| Candy | 09-23-05 |
| CPSC: Compliant ASTM: Compliant | |

Thomas 911-134
 SportsPlay

| | |
|--------------|--------------|
| Scale: 1:144 | Sheet 1 of 1 |
|--------------|--------------|



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CPSC: Compliant
 ASTM: Compliant

Thomas 911-134

SportsPlay

Scale: 1:120

Sheet 1 of 1

Tool and Material Checklist

- To dig holes, the best method is a tractor with an auger. Use a 12" auger bit. No matter what you use, there will be a considerable amount of hand digging as well
- Shovels, long handled spades
- Post hole diggers
- Wheelbarrows
- Large construction bar (generally 5' long).
- Spray paint, to mark ground holes
- Pry bar
- Claw hammers
- Large dead-blow rubber hammers
- Small (3lb) Sledgehammer, to use in blocking the posts
- 7/32", 3/6", 1/8" Allen wrenches: These are very important. Several different types are helpful (socket style, small "L" arm, wrench styles etc.)
- Vise grips, large, regular and needle-nose
- 3/4" and 1/2" and 9/16" sockets, both 1/2" and 3/8" drives
- 6' and 8' stepladders, strong ones
- Extension cords (also duplexes to run more than one cord)
- 1/2" drill and 3/8" drill
- 1/2" and 1/2" drill bits and 1/2" spade bits
- Levels: magnetic torpedo, 4' long etc. (as many as possible)
- Shims and blocks from scrap lumber and a saw to cut sizes on site
- Small, skinny, flat shims are helpful in raising posts etc. 2" by 4" and 2" by 6" and Plywood are also helpful
- Pencils and markers
- String line
- Bar clamp 4'
- Sometimes bracing material is helpful (2" x 4" x 6' studs with sturdy lag bolt/nut combinations)
- Files, sandpaper, wood scraps
- Stones
- Cement
- Surfacing
- One brick per post

Introduction

BEFORE STARTING INSTALLATION OF YOUR PLAYGROUND, PLEASE READ INSTRUCTIONS THOROUGHLY.

SITE REQUIREMENTS:

The Playground system is designed to suit a level site. Should there be any falls or slopes on the site; care should be taken to accommodate the entry and exit points and to maintain the correct height. There should not be more than 3” of drop in grade per every 10’.

The site must be inspected for adverse conditions: All sites must be checked for existing utilities such as electricity, gas, water or any other underground hazards. 1-800-DIG-RITE is the number to call to have the services located.

1. Roots, rocks, or other natural obstacles that may pose as a trip hazard.
2. Poor drainage areas.
3. Broken glass or foreign objects around building site.

MAINTENANCE:

As an owner, it is most important that you are aware of your responsibility to insure safe use of your new equipment. It is necessary to install equipment correctly according to the installation instructions provided and inspect the equipment at regular intervals. During inspection, if any part is found damaged or excessively worn, equipment should immediately

be put out of service while the part is replaced. Lack of maintenance will result in premature wear, reduced life expectancy, and possible failure that might result in injury.

All SportsPlay Equipment play events have been engineered to meet all applicable safety guidelines, but if installed improperly, these problems may occur:

- Entrapment gaps (between 3 1/2” and 9”)
- String Entanglements
- Protrusions

Make sure that any bolt end that protrudes more than 2 threads past the face of the nut is trimmed and deburred smoothly. Always double-check your work.

Installation must adhere to the manufacturers assembly manual and all other applicable safety guidelines.

PLAY AREA:

The area immediately above and around the play structure must be free of any obstructions such as:

- Trees
- Other Play Equipment
- Buildings
- Overhead Power lines

Make sure the play area has all the required safety surfacing and the minimum fall zones as required by the safety guidelines. These guidelines can be found at www.cpsc.gov.

**CHILDREN MUST BE SUPERVISED AT ALL TIMES.
No playground is safe without adult supervision!**

Quick Guide

SITE – Make sure the area of installation is relatively level, free of obstacles and underground utilities. If a slope exists, care must be taken to accommodate entry and exit areas to insure they maintain the correct heights. Call 1-800-DIG-RITE to have a technician check the area for underground utilities. This service is free.

MATERIAL INVENTORY – Locate your Component Checklist and the 2d top down drawing included in the instructions. Use both to identify, inventory and best position the parts around the perimeter of the area. If you find damaged or parts missing, contact your SportsPlay Distributor immediately.

INSTRUCTIONS – Thoroughly read the instruction booklet BEFORE beginning the installation. Pay special attention to the pages describing post and deck installation. These are the ‘bones’ of your playground. If they are not properly installed, the remaining events will not install correctly. **KEEP THESE INSTRUCTIONS ON FILE.**

TOOLS – Locate the Tools Checklist in the instructions. Make sure all necessary tools are available at installation time. If you are using volunteers, send a note to them that includes the tool list. You may be able to borrow most items instead of renting.

SUPPLIES – Set your installation date and order supplies from your local building center. You will need some flat

concrete stones for blocking holes, some scrap lumber for bracing and cement. You can figure about 2 80# concrete bags per hole.

DECK LAYOUT – Find the grid drawing in the instruction booklet. Decide which way to orient the structure. ALL fall zone measurements MUST be accommodated. Locate the lowest deck on the drawing. You can start laying out the structure by placing the lowest deck on the ground and then double check your measurements. Measure twice, install once! Consult the instruction booklet for post and deck installation instructions.

BRACING – As the decks and kick plates are installed, be sure to level the posts and place braces in the holes to keep them from shifting. Periodically, plumb and level all posts as you work your way around the playground.

COMPONENT INSTALLATION – Consult the instruction booklet for separate installation instructions for each component on your playground. Begin installing from the lowest deck in a clockwise rotation around the structure back around to the starting deck. Tighten panels as you go, making sure to plumb and level posts.

VISUAL INSPECTION – After all components are installed and tight, do a visual inspection to ensure the panels and posts are level, in the proper place, and look good with respect to one another. Once satisfied, you are ready for concrete.

CONCRETE – Mix the concrete according to the directions. DO NOT mix directly in the hole. Fill each hole to within 2 inches of the original surface. Crown for drainage, and cure 48 hours.

SECURE AREA – Fence off or lock area to insure that NO ONE can play on the playground until it is completely finished. You may consider contacting local law enforcement to inform them of the new installation and ask them to check the area frequently during the night.

BACKFILL AND CLEANUP – 48 hours after pouring cement, backfill all of the holes with dirt to the original ground level and make sure the area is free of any tools, hardware, or sharp objects.

SURFACING – Use the chart on page 8 to decide how much safety surfacing is required. Before spreading loose fill surfacing, be sure to install a weed barrier outside the fall zone dimension, then spread the safety surfacing.

LAST THING – Make one more tour around the playground and physically make sure all hardware is tight.

OPEN FOR PLAY – After the safety surfacing is installed and the hardware has been checked for tightness, your playground is ready for play.

MAINTENANCE - Consult your instruction booklet for the maintenance checklist. Schedule and complete periodic maintenance checks of the entire playground. If any hardware is worn, or any item missing or broken, close the playground and contact your SportsPlay distributor for replacement parts.

Check resilient surfacing depths, move or add additional surfacing if necessary. Make sure the playground area remains free of obstacles, broken glass or other sharp objects.

Safety Surfacing/Fall Heights

You must consider the type of safety surfacing you will use before beginning the installation process. There are two general types, organic/loose fill or synthetic unitary. Both materials have advantages and disadvantages and it is likely that your client's budget will dictate the material of choice. Always have all options available as product quality and long-term performance may cause your client to reevaluate their original budget.

When installing a unitary safety surfacing material such as rubber mats or poured-in-place, you will need to pour a concrete slab so that the rubber material can be secured. This type of product cannot be placed on dirt.

If a loose fill surface such as wood chips is selected, you will need to consider containment borders. There are many products to choose from including hard plastic and natural products such as wood. Creosoted railroad ties are NOT recommended. Loose fill materials like wood chips are easily displaced, so 12" deep is generally satisfactory. Also remember that loose fill will compress with repeated use.

Weed mat: Some use a landscaping fabric material that allows drainage but prevents weed growth. Weed mats are installed after the structure is installed but before the resilient surfacing is installed.

Borders: Building borders above ground, below grade, or on grade depends upon the area in which you live. Assuming you must use 12" of resilient surfacing, there are three basic types of installation:

1. 12" below existing grade
2. 6" below and 6" above existing grade
3. 12" above existing grade

The tallest deck on the unit generally defines the maximum fall height of a structure. If upper body equipment (horizontal ladder) is attached, the fall height is then the distance from the highest part of the equipment to the protective surfacing. Refer to the Top Down View to determine the maximum fall height.

Since the structure will be installed at dirt grade, the height of the resilient surfacing must be determined and factored into the height of installation of decks. For example, if the resilient surfacing will be 12" deep, a 3' deck height will actually install at 4'. When the structure is completed and the surfacing is installed, the deck then will be 3' above the level of the resilient surfacing.

Safety Surfacing Chart

Table – Critical heights (in feet) of Tested Materials

Chart taken from The Handbook for Public Playground Safety written by the U.S. Consumer Product Safety Commission (CPSC) page 5 (www.cpsc.gov).

| Material | | Uncompressed Depths | | Compressed Depths |
|----------------------------|-------|---------------------|-----|-------------------|
| | 6" | 9" | 12" | 9 " |
| Wood Chips | 4 | 10 | 11 | 10 |
| Double Shredded Bark Mulch | 6 | 10 | 11 | 7 |
| Engineered Wood Fibers | 6 | 7 | >12 | 6 |
| Fine Sand | 5 | 5 | 9 | 5 |
| Course Sand | 5 | 5 | 6 | 4 |
| Fine Gravel | 6 | 7 | 10 | 6 |
| Medium Gravel | 5 | 5 | 6 | 5 |
| Shredded Tires | 10-12 | N/A | N/A | N/A |

These directions are written based upon a depth of 12" of resilient surfacing.

Do not forget to calculate the compressed resilient surfacing depth needed and adjust your "dirt grade height" accordingly.

Punch List

Step 1: Layout

1. Lay decks on ground in the desired location based on topview layout and measure from all corners to insure there is adequate room. (Refer to Grid Drawing pg. 11)
2. Most installers usually like to orientate the playground so that the entry point of the playground is facing either the sidewalk or the direction from which the children are coming.

Step 2: Holes

1. Mark the locations of all post holes by laying out all the decks in the correct orientation. Make sure all the decks are touching each other and flush on the edges. Then use the center point of each deck corner and marking them with paint or a wooden stake.
2. After the holes are marked, move the decks out of the digging area and dig the first four holes per the footing drawing on page 12.
3. Fill or dig the depth of 1 main hole to what is required; this hole will be used to get the other three holes the same depth in reference to each other. Make sure the hole is flat and tamped solid, then place a small piece of plywood or brick in the bottom. You must take this in account when determining the hole depth.
4. Now, if possible, use a transit to maintain the same hole depth on the remaining three holes, if you don't have access to a transit, then park a line on the first post about two inches above the dirt level. Then measure up from the bottom of the post to this mark and mark a line

on the other three posts at the same distance. Now use a four-foot level across to each line, raising or lowering as necessary to make the lines level. Repeat this for the remaining two posts.

Step 3: Deck and Post Installation

1. Begin by installing the lowest deck and go up from this one. Measure deck height plus the amount of safety surfacing and make a mark on the post, this is the height of the deck clamps, for example if the deck is to be 36" high and you are planning on adding 12" of safety surfacing then the height from the dirt would be 48". All other decks heights will also be the labeled height plus the amount of surfacing.
2. Install a deck clamp per instruction page 15. Tighten all hardware.
3. Now make sure that you have two other helpers and the required deck clamp hardware.
4. Stand the correct posts into the holes and lift the deck on top of the clamps and install hardware. Be sure to brace the posts to keep them from moving.
5. Continue building the main structure by adding the overhead climber, kickplates and other decks and posts per the illustration until all the decks, kickplates, and posts are installed. Make sure the posts are level as you tighten the hardware, this will make the component installation much easier.
6. It may be necessary to brace the deck and posts with lumber to make sure they stay in place and level. Also make sure the deck was installed level.

Step 4 – Component Installation

1. Begin installing the components by working from the lowest deck around to the highest deck. Install the components in either a clockwise or counter clockwise rotation.
- 2.

Step 5: Concrete

1. Once all components and posts are tight and level, you may concrete. A good rule of thumb is two 80 lb. bags of concrete per hole. Do not “dry bag” the concrete, always mix per instructions on concrete bag. Be sure to leave concrete about 2” from the top of the ground to allow backfill.
2. Be sure that all splattered concrete is washed off of the posts and components while it is still wet.
3. Block off installation area for at least 48 hours.

Step 6: Final after 48 hours

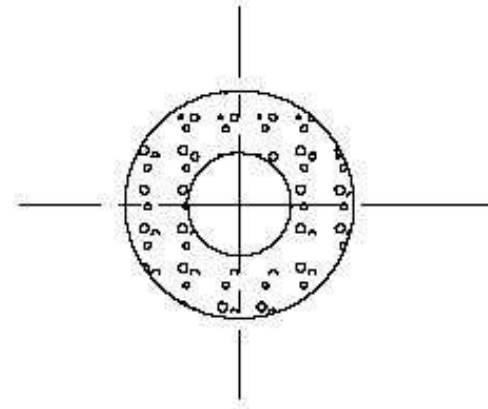
1. Return in 2 days to backfill concrete, drill and install drive (roll) pins per instructions, and install safety surfacing.
2. Inspect all components to insure the hardware is tight and all panels are level.
3. Make sure all tools and dropped hardware are removed from play area.
4. Open the playground.

Post Installation

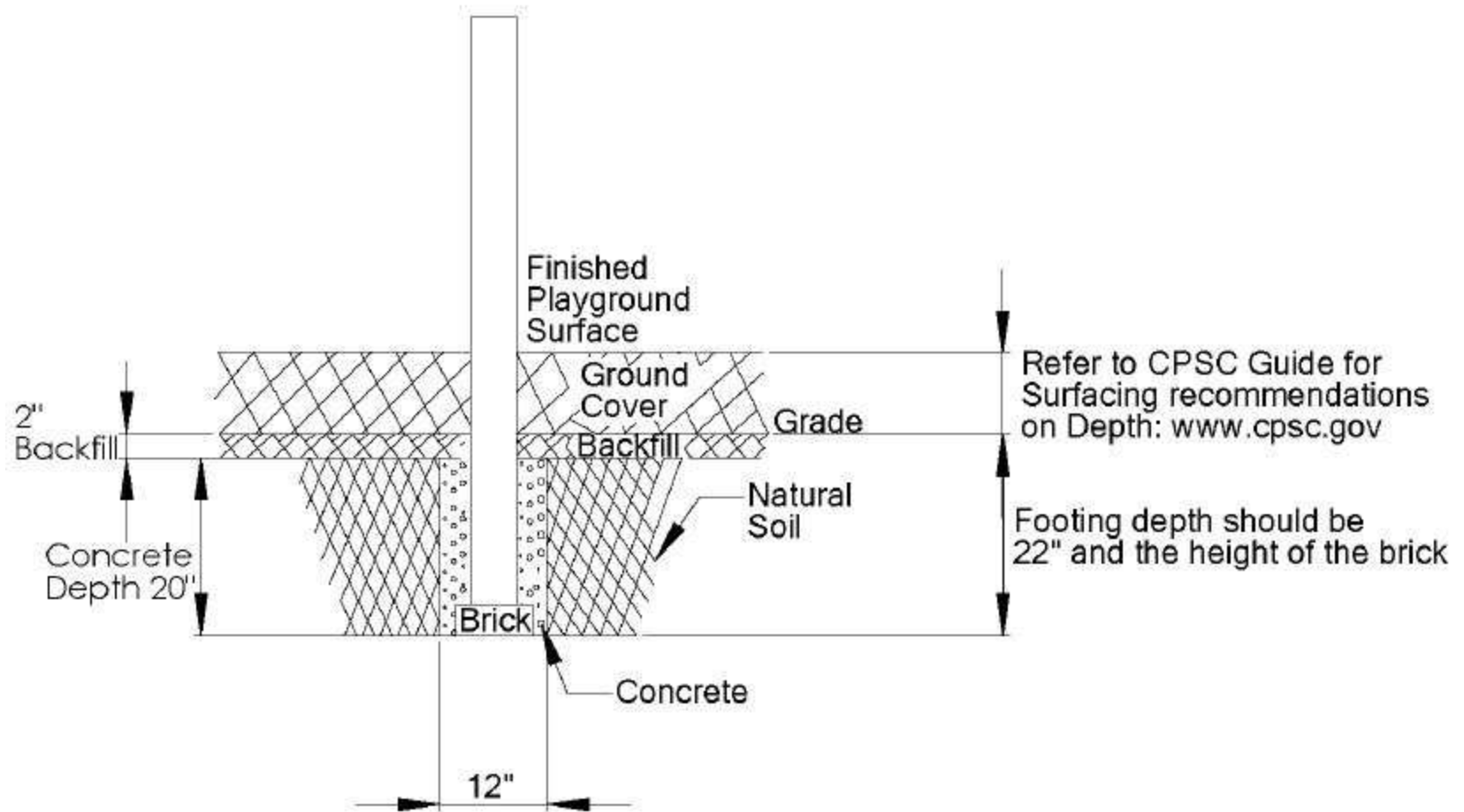
Footing size may vary due to local soil and weather conditions. Base of footing **MUST** be below the frost line.

- Dig holes straight down, with a flat bottom and 12” wide making sure to dig holes wide and not cone shaped.
- Hole depths are 22” deep (this depth changes slightly with grade).
- Place a brick in the bottom of the hole.
- Post is placed on top of the brick.
- If the bottom is not flat and roomy, there will be no room to adjust. It is much easier to have too much room rather than not enough.
- You can dig by hand using a posthole digger, but a tractor with a 12” auger will make the task much easier.
- Post tops should be level with one another.
- **USE A LONG, HEAVY CONSTRUCTION BAR** to adjust levels of posts, legs, etc. **DO NOT** try to level by pushing posts at shoulder or waist length. Carefully bump the posts at the bottom **IN THE DIRECTION YOU WANT THE POST TO GO**.
- Mark holes and dig by laying the deck on ground and using it as “jig”. Place (4) deck clamps, one per corner, spray paint through middle of clamp onto ground. This marks where the centers of the postholes should be.
- Remove the deck and clamps from the area.
- Dig the (4) holes 22” deep and 12” wide. Holes are straight down and flat-bottomed. Install 10” diameter plywood in hole bottoms and place a brick in the bottom of the hole.
- Use a marker to mark 22” from bottom of posts. Use these marks so you can run a 4’ level across marks to make sure the tops of the posts are equal to each other. If line marks are on bubble, then post tops should be on bubble to each other.
- Install the red plastic end caps on post bottoms.
- Since your holes are 12” diameter and posts are centered in holes you have approx. 3 1/2” all around the post.
- Block the posts into center of holes when posts are on bubble. Use scrap lumber and wedges to solidify the posts in their holes as you level the posts. Re-blocking may be necessary at times in order to achieve level. You may also have to widen your holes if they are not dug on center.

Top down view of post set into hole:



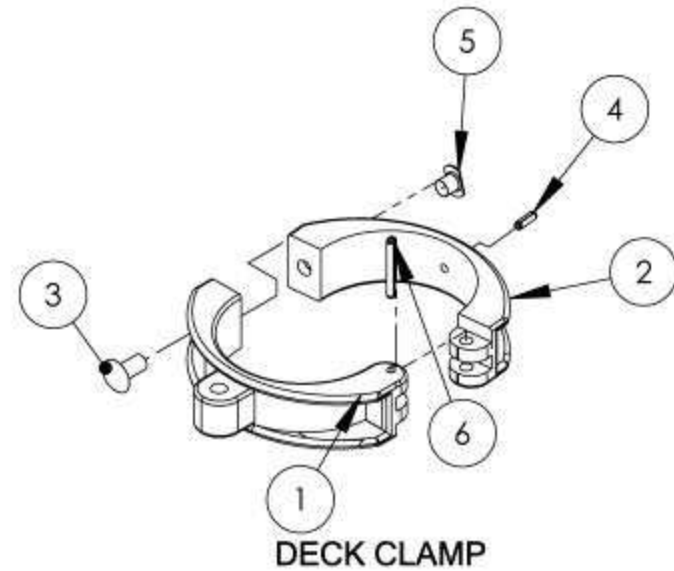
Side view of installed post



Deck and Pipe Clamp Installation

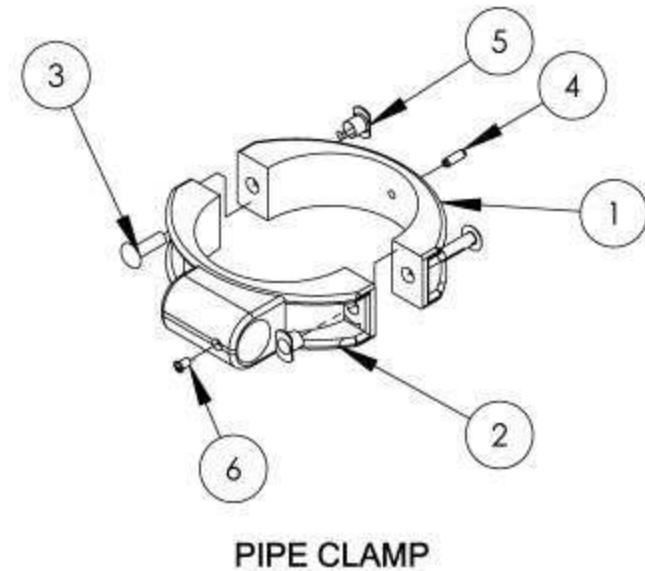
Deck Clamp 903-002

| Item # | Part # | Part Description | Quantity |
|--------|---------|--------------------------------|----------|
| 1 | 105-025 | Clamp half FRONT | 1 |
| 2 | 105-026 | Clamp half BACK | 1 |
| 3 | 116-600 | 1/2" x 2 1/2" Button Head Bolt | 1 |
| 4 | 196-550 | Roll Pin 1/4" x 1 3/4" | 1 |
| 5 | 236-601 | 3/8" T-Nut | 1 |
| 6 | 196-555 | Roll Pin 1/4" x 3/4" | 1 |
| 7 | 126-703 | 3/8" x 1" Button Head Bolt | 1 |
| 8 | 226-801 | 1/2" Lock Nut | 1 |
| 9 | 316-801 | 1/2" Washer | 2 |



Pipe Clamp 903-001

| Item # | Part # | Part Description | Quantity |
|--------|---------|--------------------------------|----------|
| 1 | 904-002 | Clamp half – BACK | 1 |
| 2 | 904-001 | Clamp half – FRONT | 1 |
| 3 | 126-706 | 3/8" x 1 3/4" Button Head Bolt | 2 |
| 4 | 196-555 | Roll Pin 1/4" x 3/4" | 1 |
| 5 | 236-601 | T-Nut 3/8" | 2 |
| 6 | 196-807 | Socket Set Screw 3/8" x 3/8" | 1 |



Deck Clamp Plan:

The deck clamps connect to the main upright posts according to the deck height(s) located on the Top Down View.

INSTRUCTIONS:

1. Install the deck clamps to the center of the deck corners. If clamps are off center, then the line of posts will not be straight and the components will not connect properly.
2. Raise the deck to the proper level according to the deck height found on the Top Down View.
3. Hand tighten the button head bolt. Do not over tighten because the post may 'swing'.
4. Decks attach to the clamps using 1/2" x 2 1/4" Button head bolts, washer on top and bottom with 1/2" lock nuts. Connect the deck bolt firmly.
5. Check the deck and all four posts to insure they are level and the deck is at the proper height.
6. Once the deck and all four posts are level and the deck is at the proper height, tighten the clamp onto the post.
7. Install Roll Pins

When the playground has been built and there are no more adjustments, drill through all of the clamps (through pre-drilled 1/4" drill holes in clamps) and the 5" O.D. posts. Use a sharp 1/4" metal drill bit to drill a straight hole. Do not egg out the holes. Then tap a 3/4" roll pin through clamp into post so that the pin is flush with the clamp. Do not allow pins to protrude. If a pin has been installed but a clamp or component has to be moved, the pin can be knocked through into post.

IMPORTANT: Extra roll pins can be installed through certain high traffic clamp applications such as firepoles, roof clamps, handholds, etc. Finally smooth down any drill holes etc., with steel wool or a file.

SPECIFICATIONS:

Event: Clamps shall be 6061TS aluminum fastener for 5" OD posts weighing 2.21 lbs.

Paint shall be electrostatically applied oven cured powdercoat.

Hardware: Stainless Steel tamper resistant

MAINTENANCE:

Touch up any marred paint surfaces.

Periodically check hardware for integrity and tightness.

Pipe Clamp Plan:

The pipe clamps connect to the main upright posts according to the height of the events found on the Top Down View.

INSTRUCTIONS:

There are two ways to install the clamps:

1. Pre-install the clamp to the post first, then slide the 1 3/8" O.D. pipe into the clamp.
2. Install the clamp over the 1 3/8" pipe first, and then install the clamp to the post.

You will do both of these applications, depending on the circumstances.

1. Clamp is installed to post first, then 1 3/8" O.D. pipe moves into clamp.
2. Install clamp to pipe first, then to post. Fit clamp onto the pipe, and install the clamp "sideways" over the post. You may have to assert some pressure. **MAKE SURE PIPES ARE ALL THE WAY INTO CLAMPS BEFORE INSTALLING ONTO POSTS.** (2 1/4" end of pipe goes inside clamp) Use rubber hammer for clamps.

You can use a marker to mark the location of clamps when pre-installing posts. If a pipe clamp is close to another clamp or a deck etc. it may be necessary to pre-tighten the set screw to clamp, then move clamp into position. For convenience of installing button head bolts, it is necessary that the bolt heads face outward.

If the clamp is crooked to the pipe, and the pipe WILL NOT be able to enter the clamp. Sometimes, you can coax the clamp onto the pipe with a rubber hammer. If that will not work, take clamp off and install it "sideways", placing it on the pipe first and then onto the post. Pipes enter into clamps 2 1/4" deep. Components like walls, vertical climbers, ladder ends, etc. are all 48" long, and the pipe ends have to go straight into the clamps or the connection will not work. If you force a clamp it can break!

All of our components such as walls, climbers, horizontal ladders, arch walls etc. are 48" wide, and clamp to the middle of the posts. That means that these components are centered onto the posts at 48" on center.

There is up to 4" of extra room in the pipe clamp cavities, 2" to the left and 2" to the right. This means that it is possible to be either too far left or right of center. Keep in mind that all **COMPONENTS HAVE TO BE CENTERED**, that the left and right are inserted equally into clamps!

When the playground has been built and there are no more adjustments, drill through all of the clamps (through pre-drilled 1/4" drill holes in clamps) and the 5" O.D. posts. Use a sharp 1/4" metal drill bit to drill a straight hole. Do not egg out the holes. Then tap a 3/4" roll pin through clamp into post so that the pin is flush with the clamp. Do not allow pins to protrude. If a pin has been installed but a clamp or component has to be moved, the pin can be knocked through into post.

Extra roll pins can be installed through certain high traffic clamp applications such as firepoles, roof clamps, handholds,

etc. Finally smooth down any drill holes etc., with steel wool or a file.

SPECIFICATIONS:

Event: Clamps shall be 6061T5 aluminum fastener for 5" OD posts weighing 2.21 lbs.

Paint shall be electrostatically applied oven cured powdercoat.

Hardware: Stainless Steel tamper resistant

MAINTENANCE:

Touch up any marred paint surfaces.

Periodically check hardware for integrity and tightness.

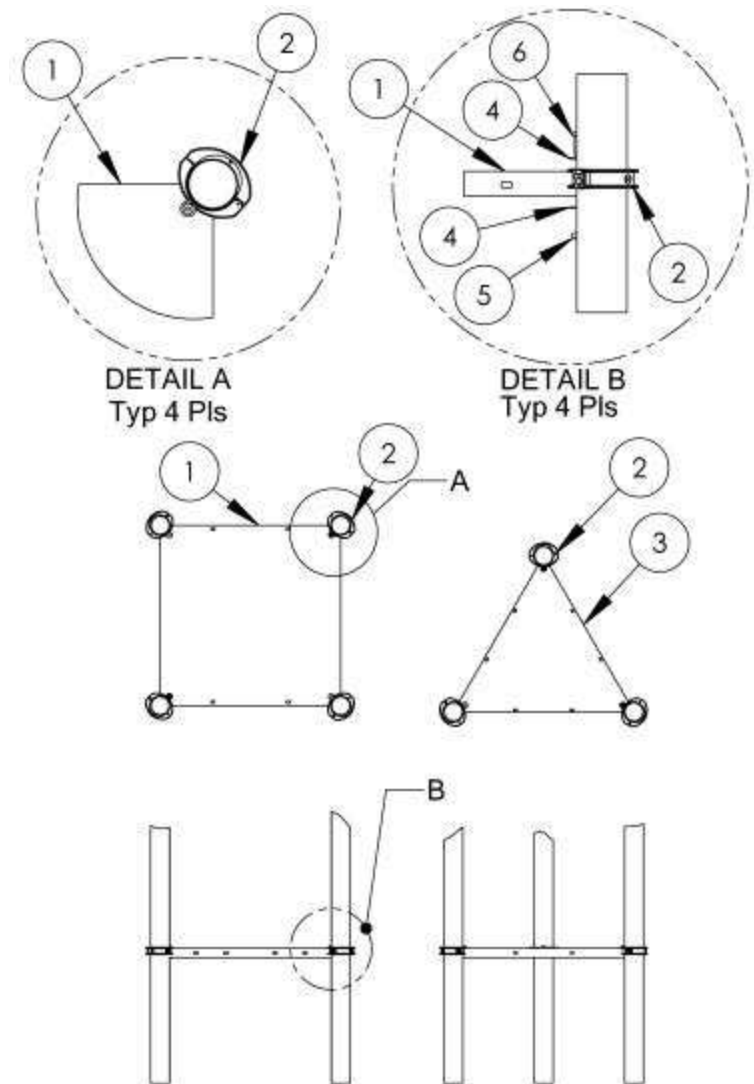
Deck Installation

Square Deck

| Item # | Part # | Part Description | Quantity |
|--------|---------|----------------------------|----------|
| 1 | 905-705 | Square Deck | 1 |
| 2 | 903-002 | Deck Clamp Assembly | 4 |
| 4 | 316-801 | 1/2" Washer | 8 |
| 5 | 226-801 | 1/2" Lock Nut | 4 |
| 6 | 126-703 | 3/8" x 1" Button Head Bolt | 4 |

Triangle Deck

| Item # | Part # | Part Description | Quantity |
|--------|---------|----------------------------|----------|
| 2 | 903-002 | Deck Clamp Assembly | 3 |
| 3 | 905-710 | Triangle Deck | 1 |
| 4 | 316-801 | 1/2" Washer | 6 |
| 5 | 226-801 | 1/2" Lock Nut | 3 |
| 6 | 126-703 | 3/8" x 1" Button Head Bolt | 3 |



Deck Plan:

The deck(s) connect to the main upright posts according to the specifications found on the Top Down View.

INSTRUCTIONS:

There are two methods:

The BEST method is to make a table or stand to place your deck on at the required deck height. The table will stabilize the deck so you can level it.

You can make a table from sawhorses.

Deck stand or table holds deck while you build around it.

Blocks stabilize the posts while table stabilizes the deck.

The second method is to pre-install the (4) deck clamps so that there is 42 1/4" between the holes in the deck clamps.

Use a level and a marker to make sure the clamps are level to each other.

Place deck onto clamps and bolt.

This method works but is less stable than the first method. The deck and posts will stabilize more as you add components

Pre-install deck clamps and level.

SPECIFICATIONS:

Event: Steel Deck shall be constructed of #12 gage perforated steel, welded to 2 1/2" x 2" by 18" angle frame, 1/4" endplates, center-bracing, plastisol coated and oven cured.

, welded to 2 1/2" x 2" by 18" angle frame, 1/4" endplates, center-bracing, plastisol coated and oven cured. Square Deck is 48" x 48" (2304 square inches), Hex Deck is 7 1/2" by 8' (8640 square inches); Triangle is 48" square 16 gage.

Paint: Oven cured plastisol

Hardware: Stainless Steel tamper resistant

MAINTENANCE:

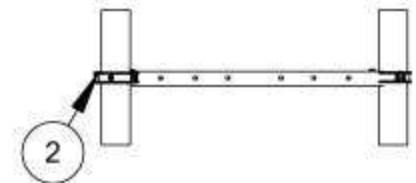
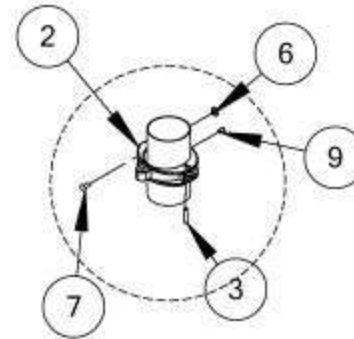
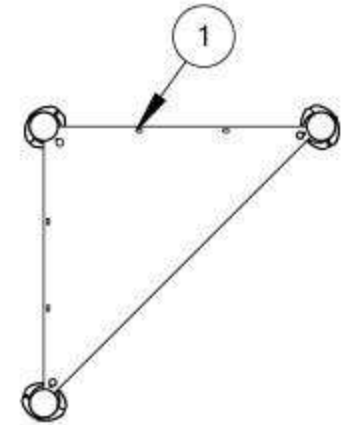
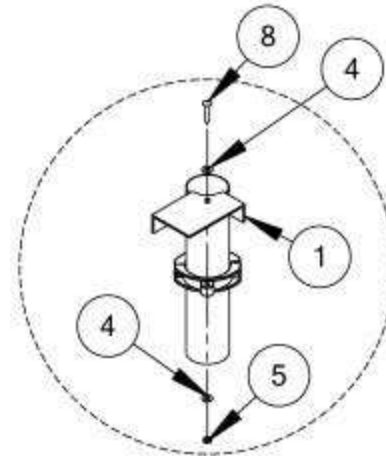
Touch up any marred paint surfaces.

Periodically check hardware for integrity and tightness.

Half Square Deck

902-336

| Item # | Part # | Part Description | Quantity |
|--------|---------|------------------------------|----------|
| 1 | 905-711 | Half Square Deck | 1 |
| 2 | 903-002 | Deck Clamp | 3 |
| 3 | 316-801 | 1/2" Washer | 3 |
| 4 | 226-801 | 1/2" Lock Nut | 4 |
| 5 | 196-555 | 1/4" x 3/4" Roll Pin | 3 |
| 6 | 126-703 | 3/8" x 1" Button head bolt | 3 |
| 7 | 116-600 | 1/2" x 1/2" Button head bolt | 3 |
| 8 | 236-601 | 3/8" T-Nut | 4 |



Deck Plan:

The deck(s) connect to the main upright posts according to the specifications found on the Top Down View.

INSTRUCTIONS:

There are two methods:

The BEST method is to make a table or stand to place your deck on at the required deck height. The table will stabilize the deck so you can level it.

You can make a table from sawhorses.

Deck stand or table holds deck while you build around it.

Blocks stabilize the posts while table stabilizes the deck.

The second method is to pre-install the (4) deck clamps so that there is 42 1/4" between the holes in the deck clamps.

Use a level and a marker to make sure the clamps are level to each other.

Place deck onto clamps and bolt.

This method works but is less stable than the first method. The deck and posts will stabilize more as you add components

Pre-install deck clamps and level.

SPECIFICATIONS:

Event: Steel Deck shall be constructed of #12 gage perforated steel, welded to 2 1/2" x 2" by 18" angle frame, 1/4" endplates, center-bracing, plastisol coated and oven cured.

Paint: Oven cured plastisol

Hardware: Stainless Steel tamper resistant

MAINTENANCE:

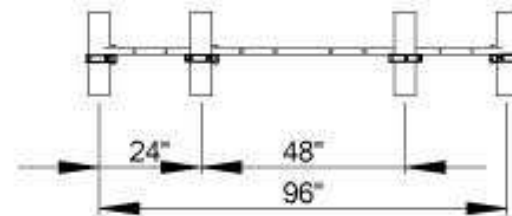
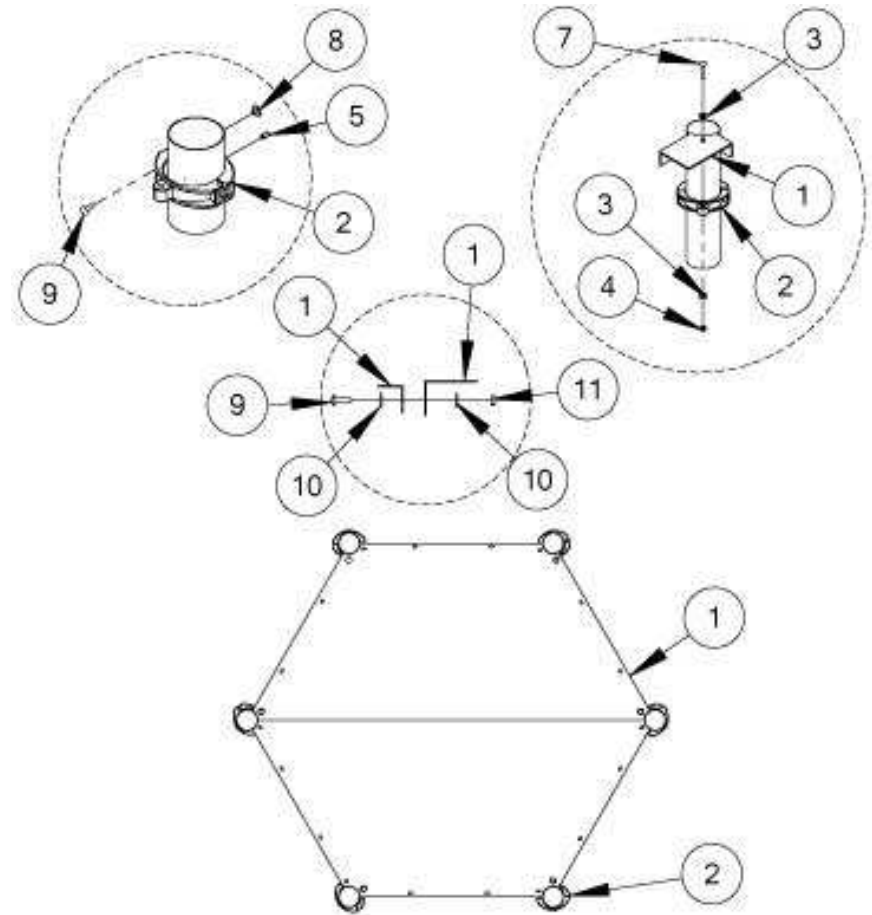
Touch up any marred paint surfaces.

Periodically check hardware for integrity and tightness.

Hex Deck

902-335

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|-------------------------------|------|
| 1 | 905-706 | Half Hex Deck | 2 |
| 2 | 903-002 | Deck Clamp | 6 |
| 3 | 316-801 | 1/2" Flat Washer | 12 |
| 4 | 226-801 | 1/2" Lock Nut | 6 |
| 5 | 196-555 | 1/4" x 3/4" Roll Pin | 6 |
| 6 | 126-703 | 3/8" x 1" Buttonhead Bolt | 6 |
| 7 | 116-600 | 1/2" x 2-1/2" Buttonhead Bolt | 6 |
| 8 | 236-601 | 3/8" T-Nut | 6 |
| 9 | 126-701 | 3/8" x 1-1/4" Buttonhead Bolt | 4 |
| 10 | 316-601 | 3/8" Flat Washer | 8 |
| 11 | 226-602 | 3/8" Nylon Nut | 4 |



Hex Deck Plan:

The deck(s) connect to the main upright posts according to the specifications found on the Top Down View.

INSTRUCTIONS:

There are two methods:

The BEST method is to make a table or stand to place your deck on at the required deck height. The table will stabilize the deck so you can level it.

You can make a table from sawhorses.

Deck stand or table holds deck while you build around it.

Blocks stabilize the posts while table stabilizes the deck.

The second method is to pre-install the (6) deck clamps so that there is 42 1/4" between the holes in the deck clamps.

Use a level and a marker to make sure the clamps are level to each other.

Place deck onto clamps and bolt.

This method works but is less stable than the first method. The deck and posts will stabilize more as you add components

Pre-install deck clamps and level.

The second half of the hex deck will not attach to the deck clamps on the long side, they will instead rest on the back edge of the clamp and then will bolt together from the underside as shown in the middle detail above. Make sure the decks are flush with each other before tightening.

SPECIFICATIONS:

Event: Steel Decks are constructed of 12 gage perforated steel.

Paint: Oven cured plastisol

Hardware: Stainless Steel tamper resistant

MAINTENANCE:

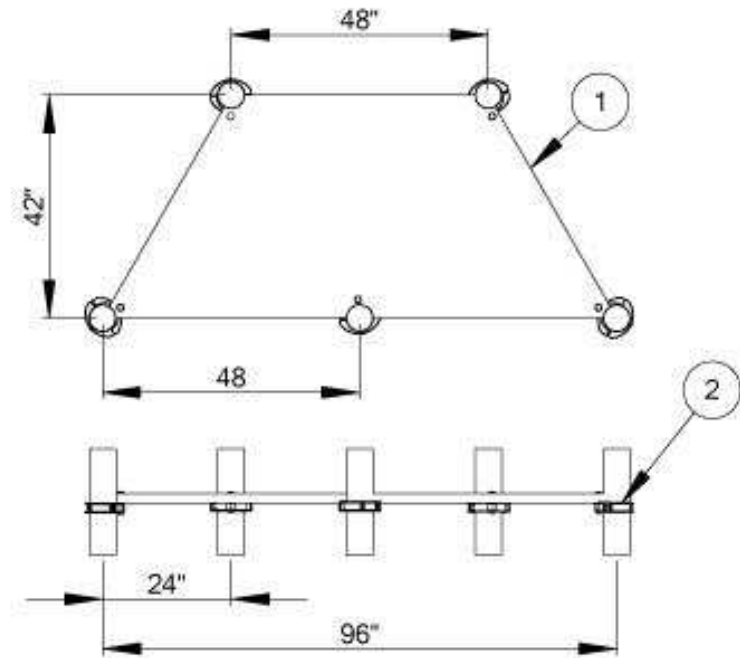
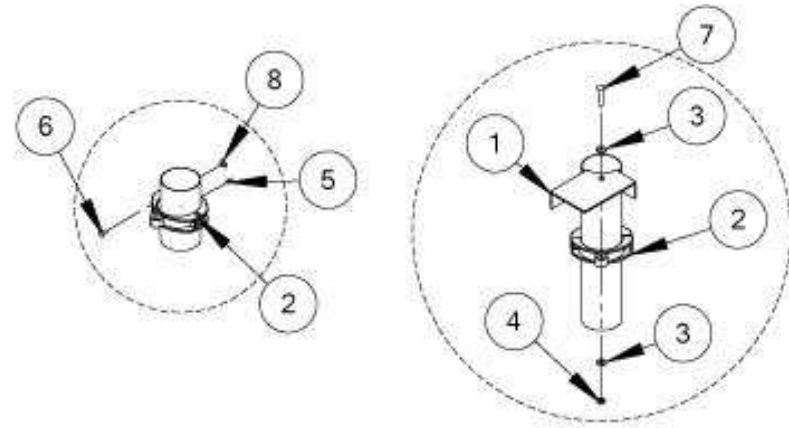
Touch up any marred paint surfaces.

Periodically check hardware for integrity and tightness.

5 Pole Hex Deck Half

902-707

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|-------------------------------|------|
| 1 | 905-701 | Half Hex w/Center Post | 1 |
| 2 | 903-002 | Deck Clamp | 5 |
| 3 | 316-801 | 1/2" Flat Washer | 10 |
| 4 | 226-801 | 1/2" Lock Nut | 5 |
| 5 | 196-555 | 1/4" x 3/4" Roll Pin | 5 |
| 6 | 126-703 | 3/8" x 1" Buttonhead Bolt | 5 |
| 7 | 116-600 | 1/2" x 2-1/2" Buttonhead Bolt | 5 |
| 8 | 236-601 | 3/8" T-Nut | 5 |



5 Pole Hex Deck Plan:

The deck(s) connect to the main upright posts according to the specifications found on the Top Down View.

INSTRUCTIONS:

There are two methods:

The BEST method is to make a table or stand to place your deck on at the required deck height. The table will stabilize the deck so you can level it.

You can make a table from sawhorses.

Deck stand or table holds deck while you build around it.

Blocks stabilize the posts while table stabilizes the deck.

The second method is to pre-install the (5) deck clamps so that there is 42 1/4" between the holes in the deck clamps.

Use a level and a marker to make sure the clamps are level to each other.

Place deck onto clamps and bolt.

This method works but is less stable than the first method. The deck and posts will stabilize more as you add components

Pre-install deck clamps and level.

SPECIFICATIONS:

Event: Steel Decks are constructed of 12 gage perforated steel.

Paint: Oven cured plastisol

Hardware: Stainless Steel tamper resistant

MAINTENANCE:

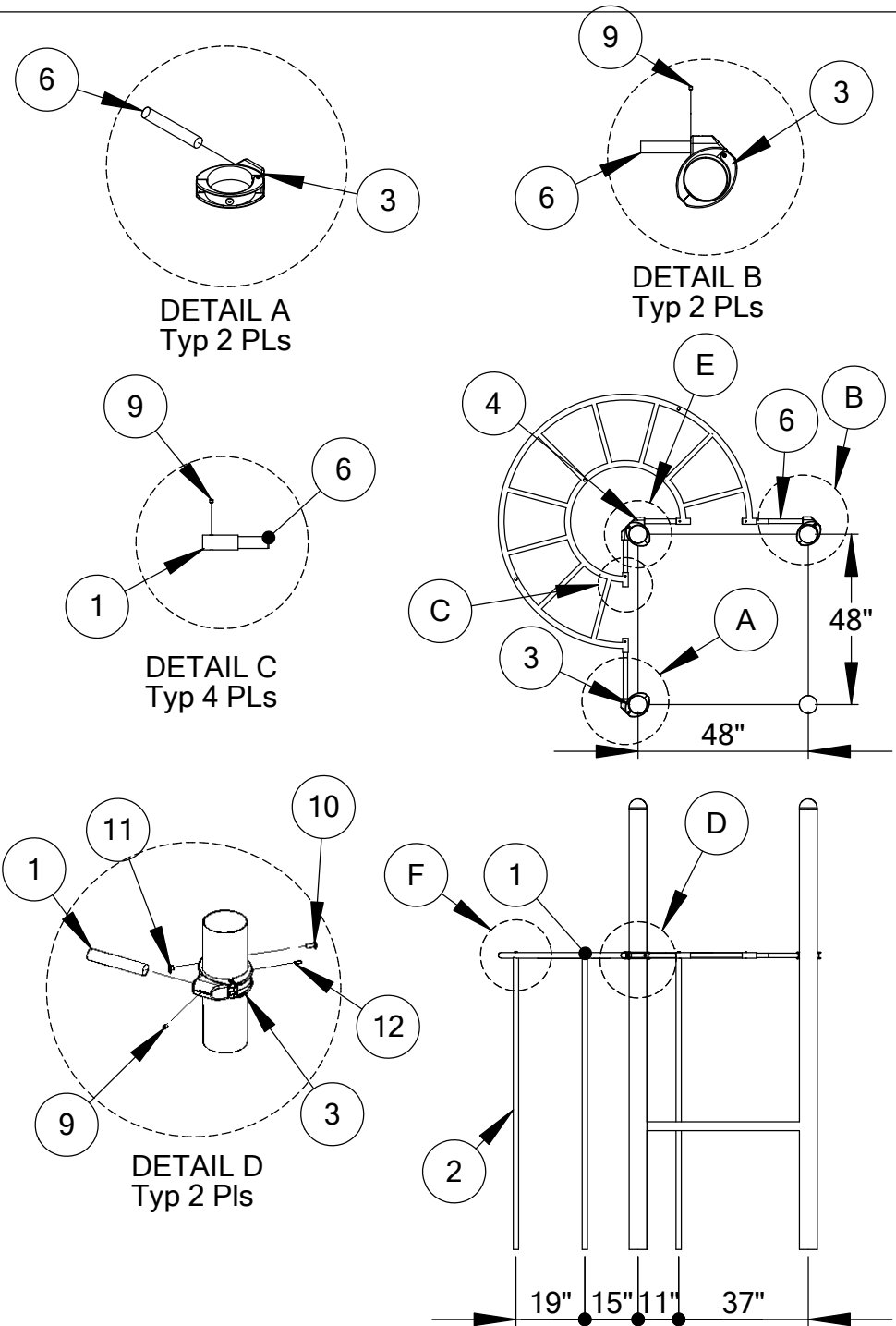
Touch up any marred paint surfaces.

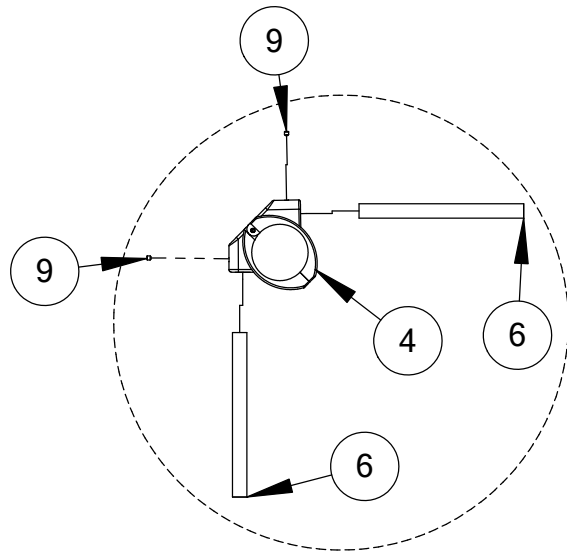
Periodically check hardware for integrity and tightness.

"UFO" CLIMBER

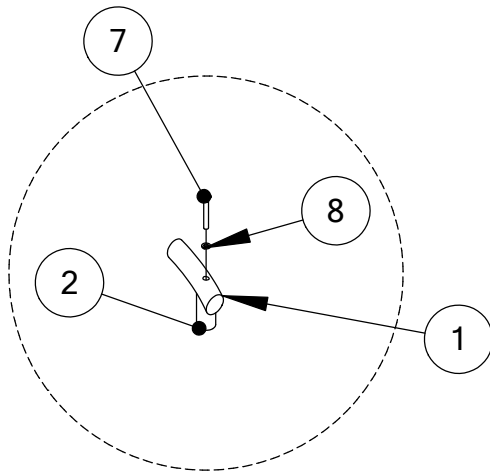
902-103

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|------------------------------|------|
| 1 | 903-108 | "UFO" Climber | 1 |
| 2 | 903-102 | Post for "UFO" Climber | 3 |
| 3 | 903-001 | Pipe Clamp | 2 |
| 4 | 903-003 | Double Clamp | 1 |
| 5 | 217-104 | 3/8" Rebar | 3 |
| 6 | 904-004 | Stub 15" | 4 |
| 7 | 126-704 | 3/8" x 3" Buttonhead Bolt | 3 |
| 8 | 326-601 | 3/8" Lock Washer | 3 |
| 9 | 196-807 | 3/8" x 3/8" Socket Set Screw | 8 |
| 10 | 126-703 | 3/8" x 1" Buttonhead Bolt | 5 |
| 11 | 236-601 | 3/8" T-Nut | 5 |
| 12 | 196-555 | 1/4" x 3/4" Roll Pin | 5 |

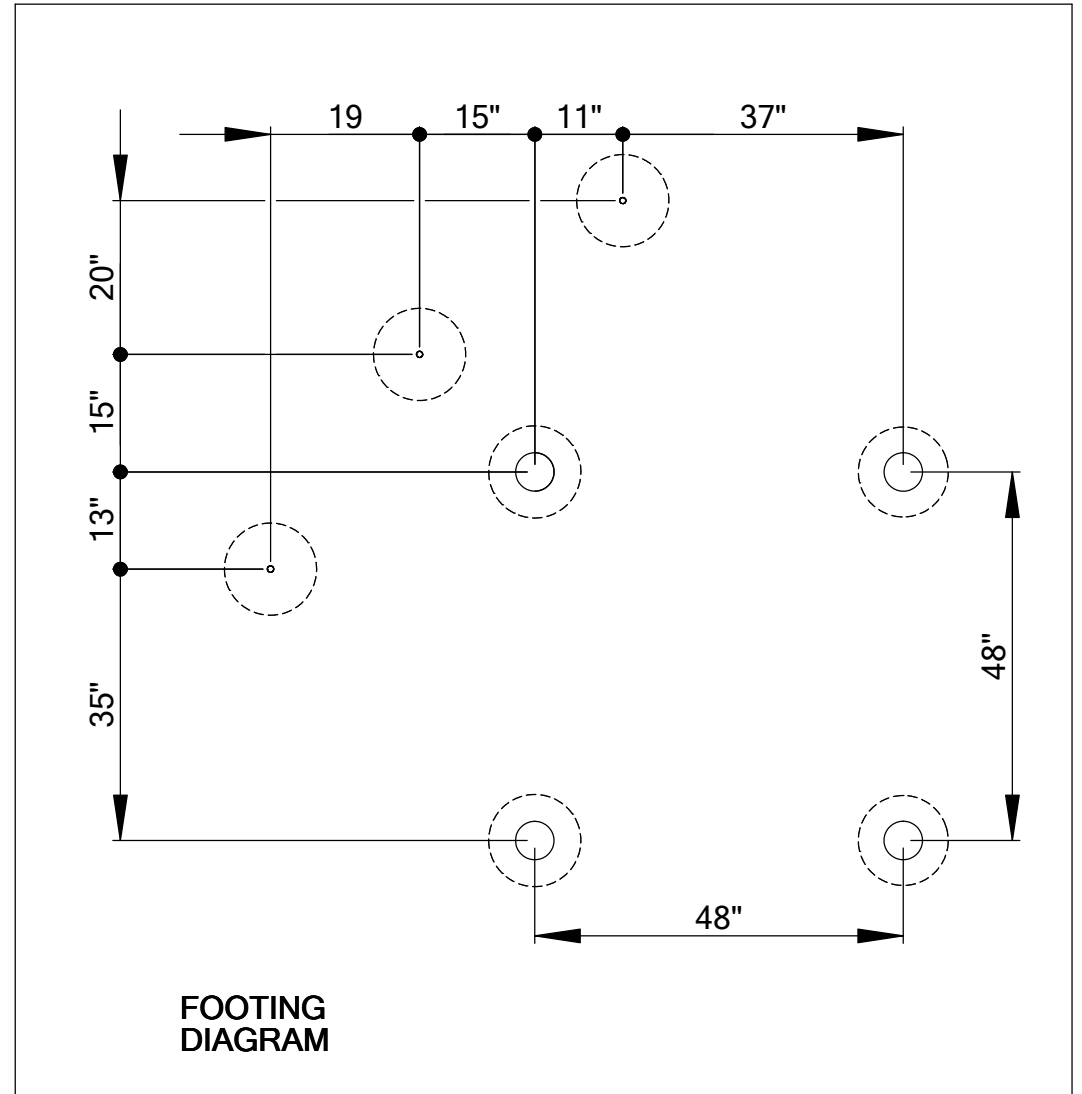




DETAIL E



DETAIL F
Typ 3 Pls



FOOTING
DIAGRAM

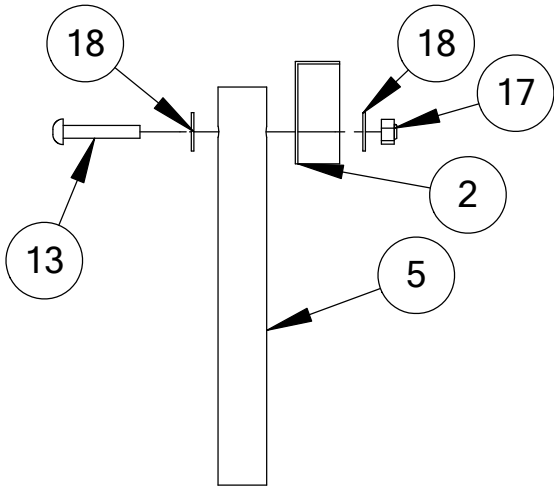
Transfer Station 902-258

| Item # | Part # | Part Description | Quantity |
|---------------|---------------|-------------------------|-----------------|
| 1 | 905-704 | Transfer stairs | 1 |
| 2 | 905-715 | Transfer deck | 1 |
| 3 | 905-716 | Transfer step | 1 |
| 4 | 913-224 | Plank leg | 2 |
| 5 | 913-225 | Pipe w/ hand holds | 1 |
| 6 | 913-226 | Support pipe | 1 |
| 7 | 903-001 | Pipe clamp | 2 |

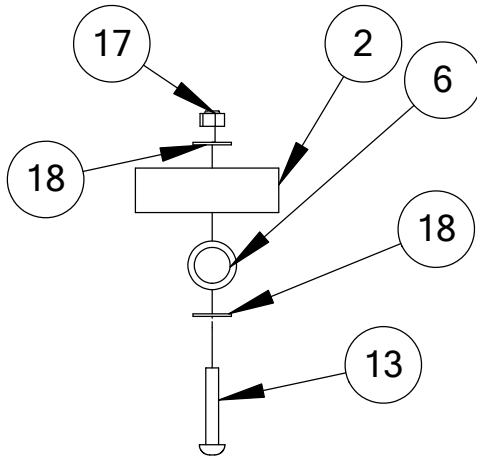


3' TRANSFER STATION

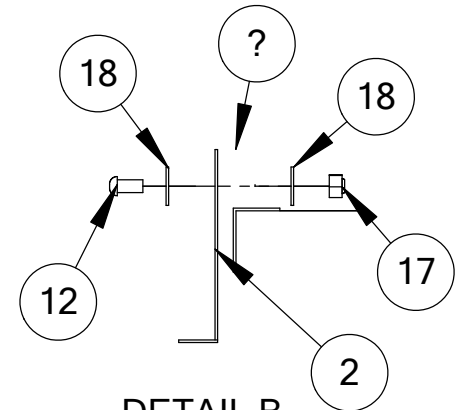
902-258



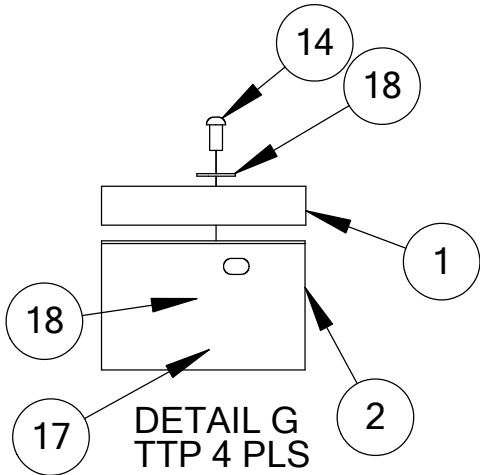
DETAIL F



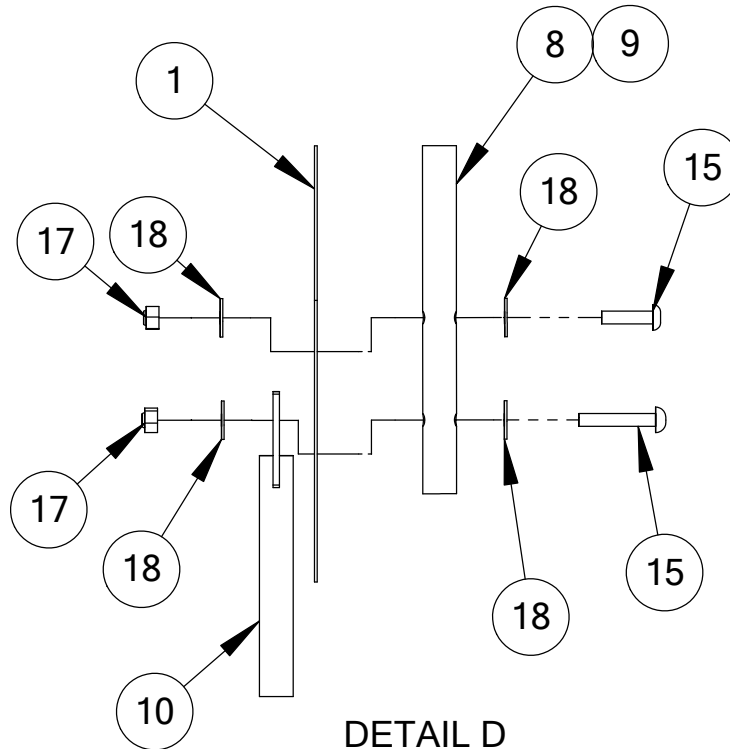
DETAIL C



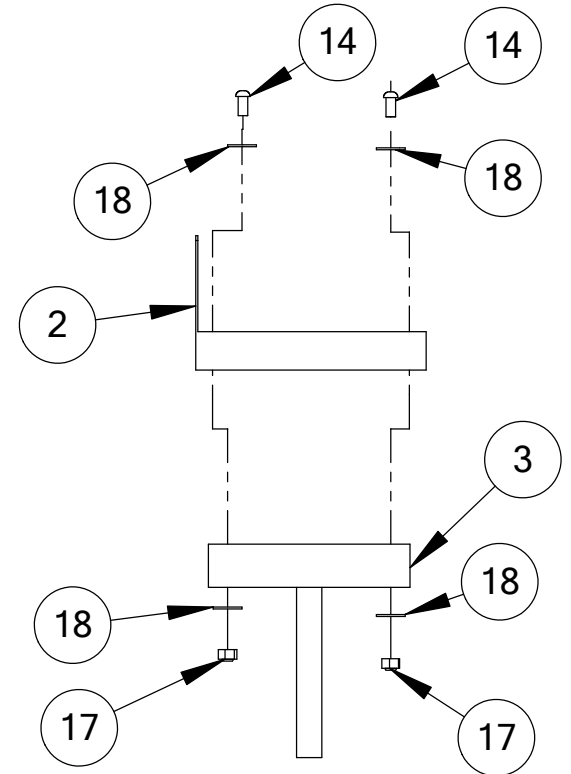
DETAIL B
TYP 2 PLS



DETAIL G
TTP 4 PLS



DETAIL D
TYP 2 PLS



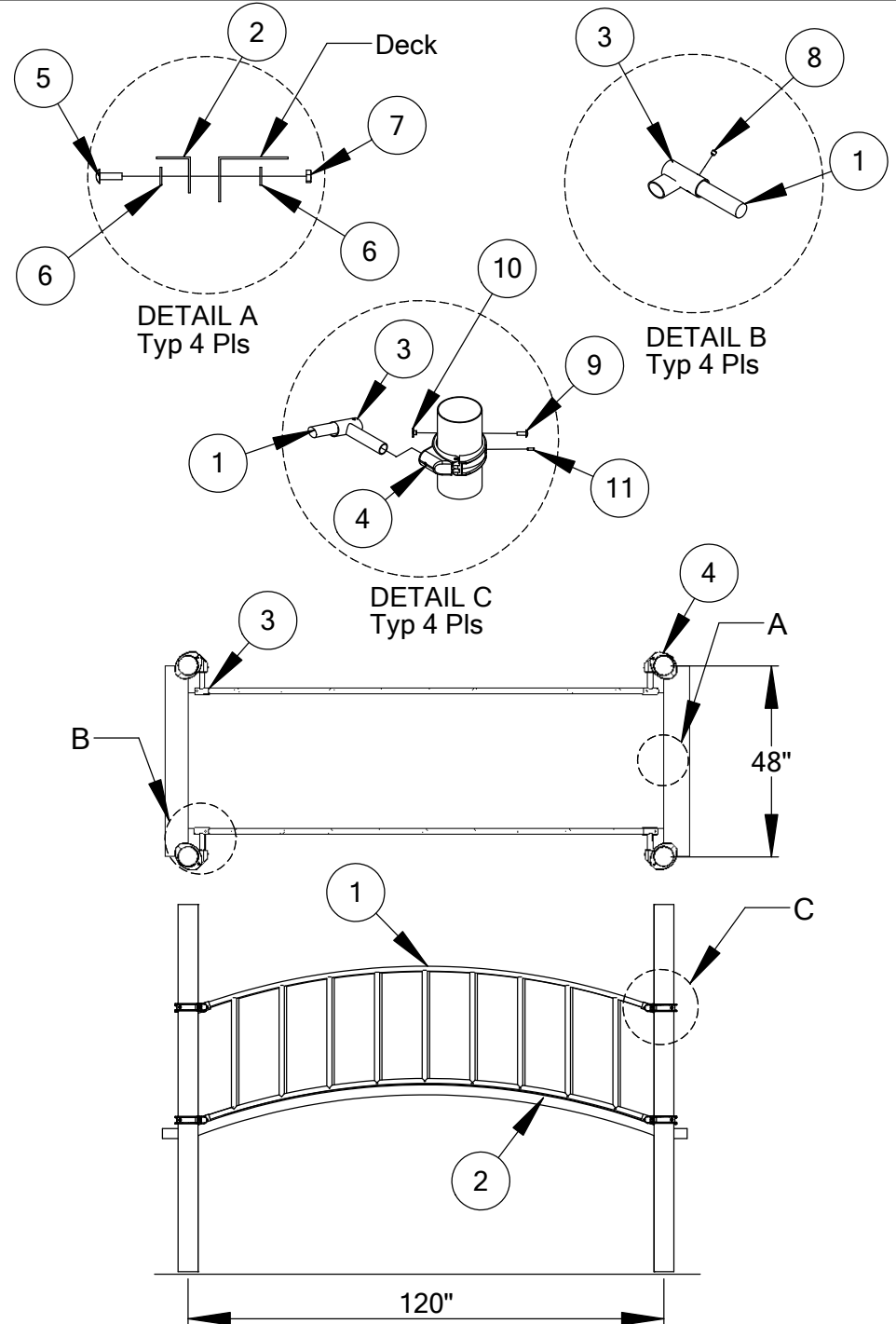
DETAIL E
TYP 2 PLS



ARCH BRIDGE

902-406

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|-------------------------------|------|
| 1 | 903-406 | Arch Bridge Hand Rail | 2 |
| 2 | 905-703 | Arch Bridge | 1 |
| 3 | 903-507 | Arch Bridge Handrail "T" | 8 |
| 4 | 903-001 | Hinged Pipe Clamp | 8 |
| 5 | 126-701 | 3/8" x 1-1/4" Buttonhead Bolt | 8 |
| 6 | 316-601 | 3/8" Flat Washer | 16 |
| 7 | 226-602 | 3/8" Nylon Lock Nut | 8 |
| 8 | 196-807 | 3/8" x 3/8" Socket Set Screw | 8 |
| 9 | 126-703 | 3/8" x 1" Buttonhead Bolt | 8 |
| 10 | 236-601 | 3/8" T-Nut | 8 |
| 11 | 196-555 | 1/4" x 3/4" Roll Pin | 8 |

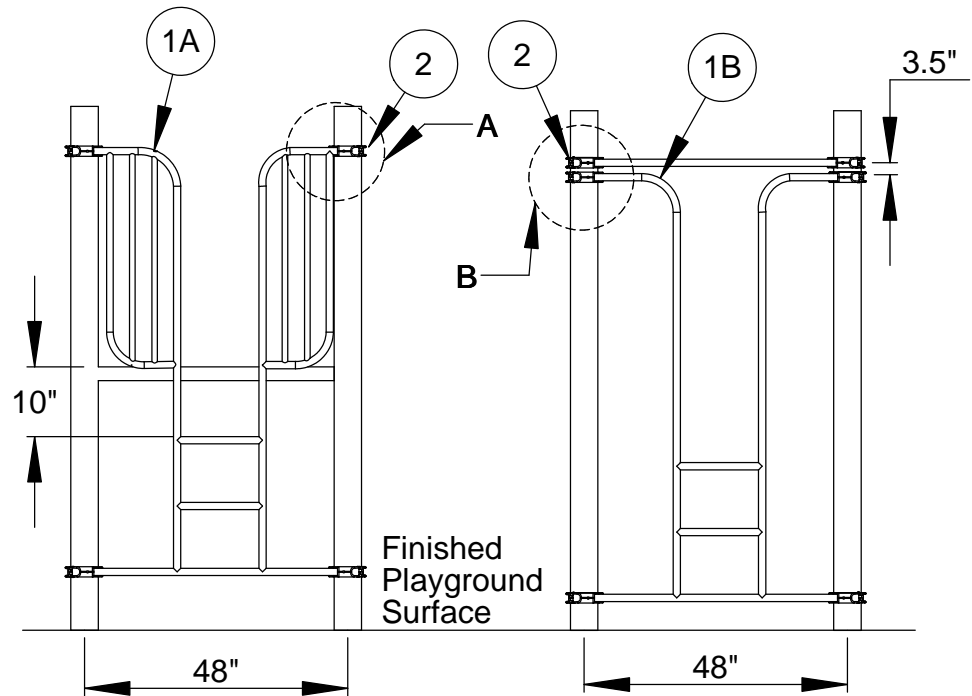
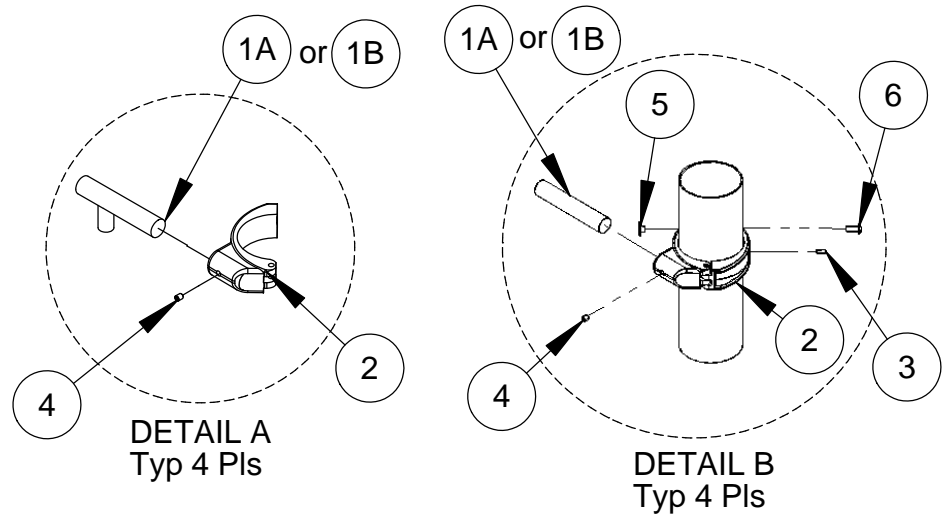




VERTICAL CLIMBER

902-125-3, 4, 5, 6
& 902-127

| ITEM NO. | PART NUMBER | PART DESCRIPTION | QTY. |
|----------|--|----------------------------------|------|
| 1A | 902-125-3 902-125-4 902-125-5 902-125-6 | Vertical Climber w/Barrier | 1 |
| 1B | 902-127 | Vertical Climber f/ Overheads | 1 |
| 2 | 903-001 | Pipe Clamp | 4 |
| 3 | 196-550 | 1/4" x 1/4" Roll Pin | 4 |
| 4 | 196-807 | Set Socket Screw | 4 |
| 5 | 236-601 | 3/8" T-Nut | 4 |
| 6 | 126-703 | 3/8" x 1" Button Head Bolt | 4 |

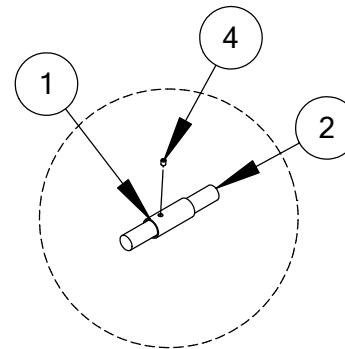




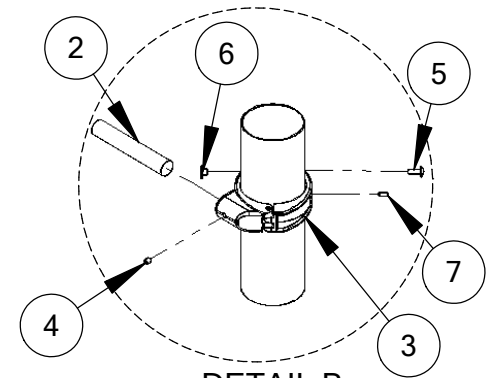
STRAIGHT LOOP CLIMBER

902-101

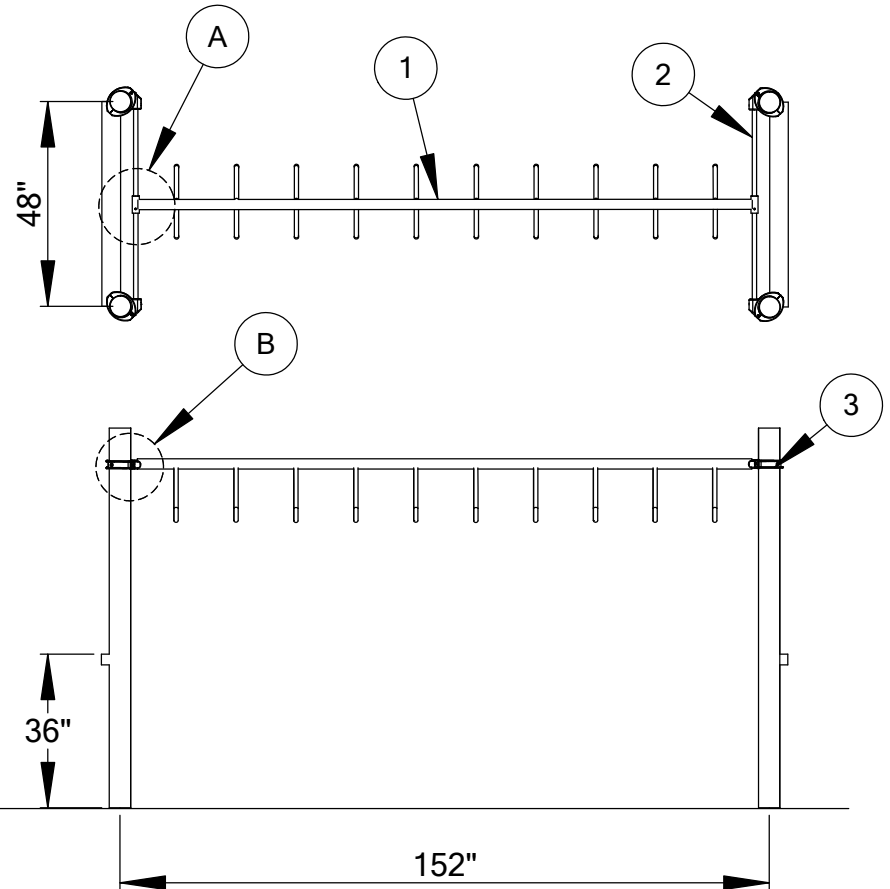
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|------------------------------|------|
| 1 | 903-101 | Straight Loop Climber | 1 |
| 2 | 903-103 | 48" Pipe | 2 |
| 3 | 903-001 | Pipe Clamp | 4 |
| 4 | 196-807 | 3/8" x 3/8" Socket Set Screw | 6 |
| 5 | 126-703 | 3/8" x 1" Buttonhead Bolt | 4 |
| 6 | 236-601 | 3/8" T-Nut | 4 |
| 7 | 196-555 | 1/4" x 3/4" Roll Pin | 4 |



DETAIL A
Typ 2 Pls



DETAIL B
Typ 4 Pls



5



4

3

2

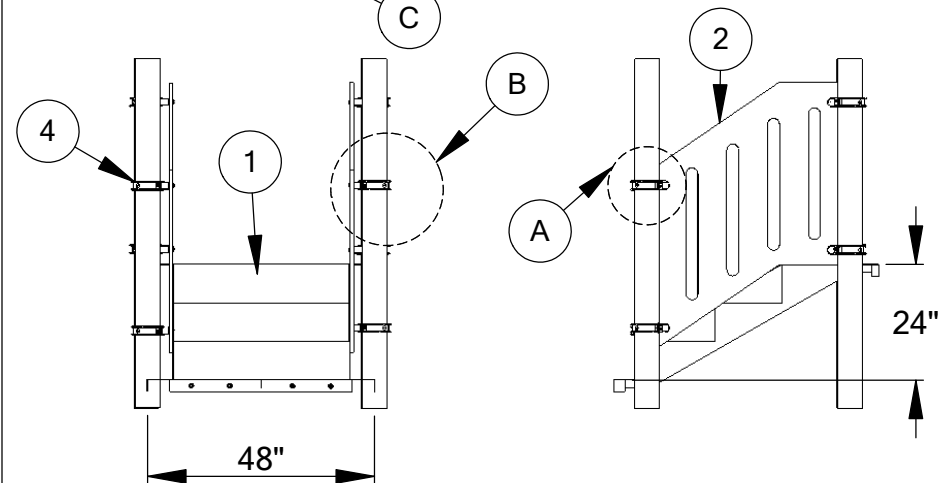
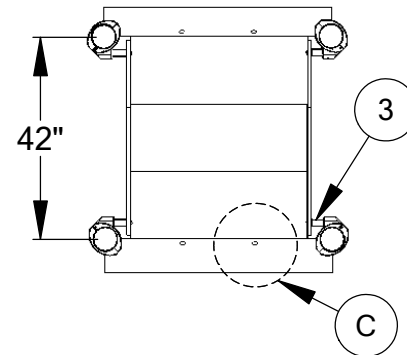
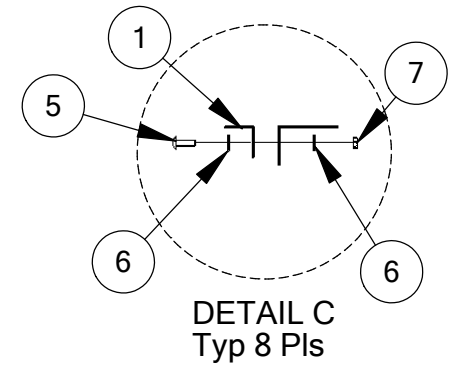
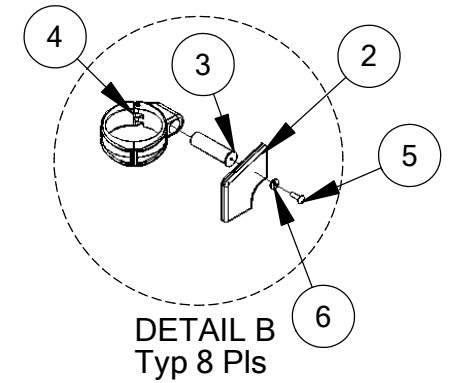
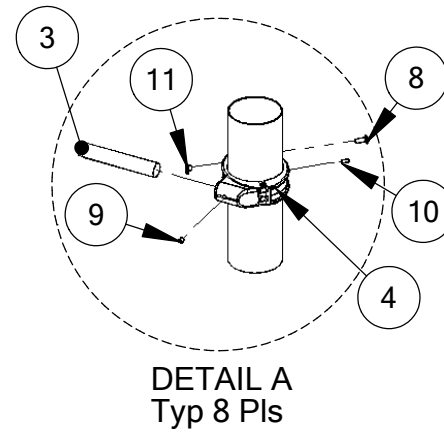
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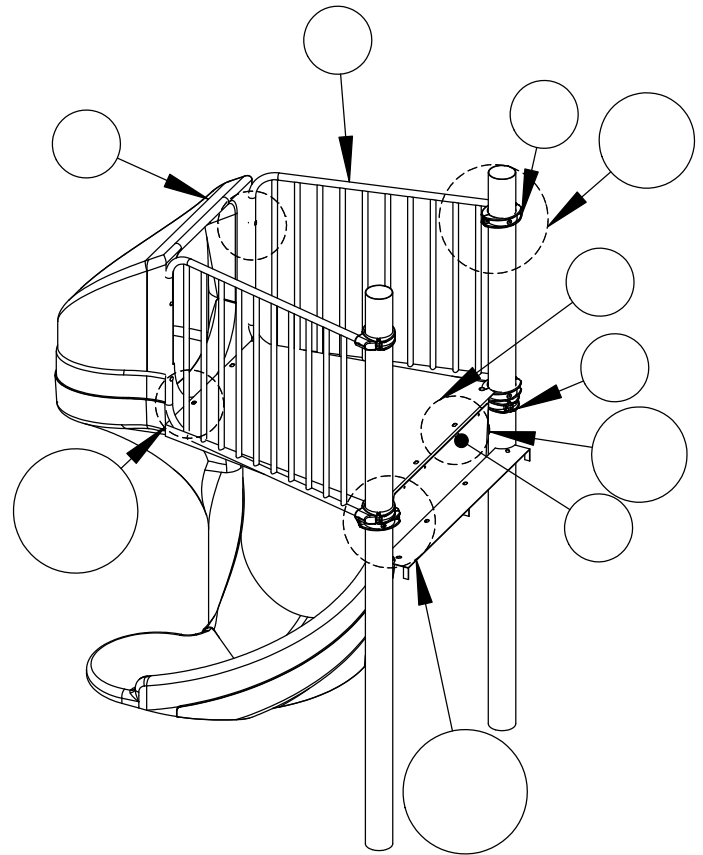
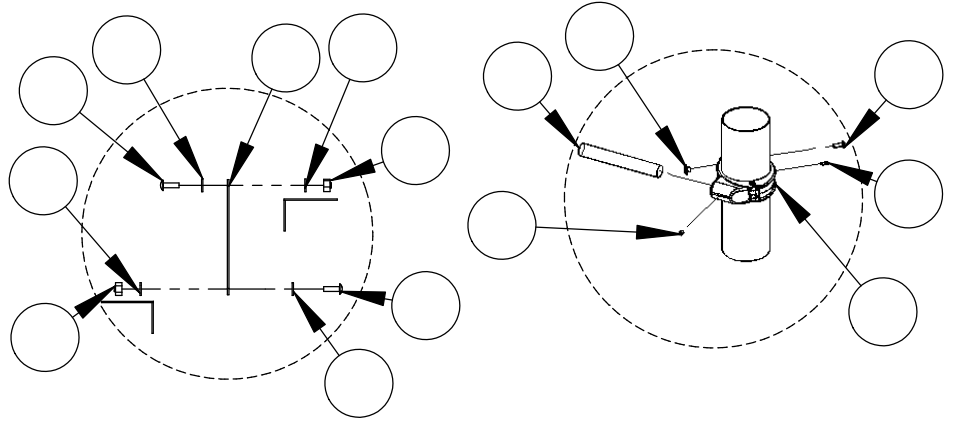
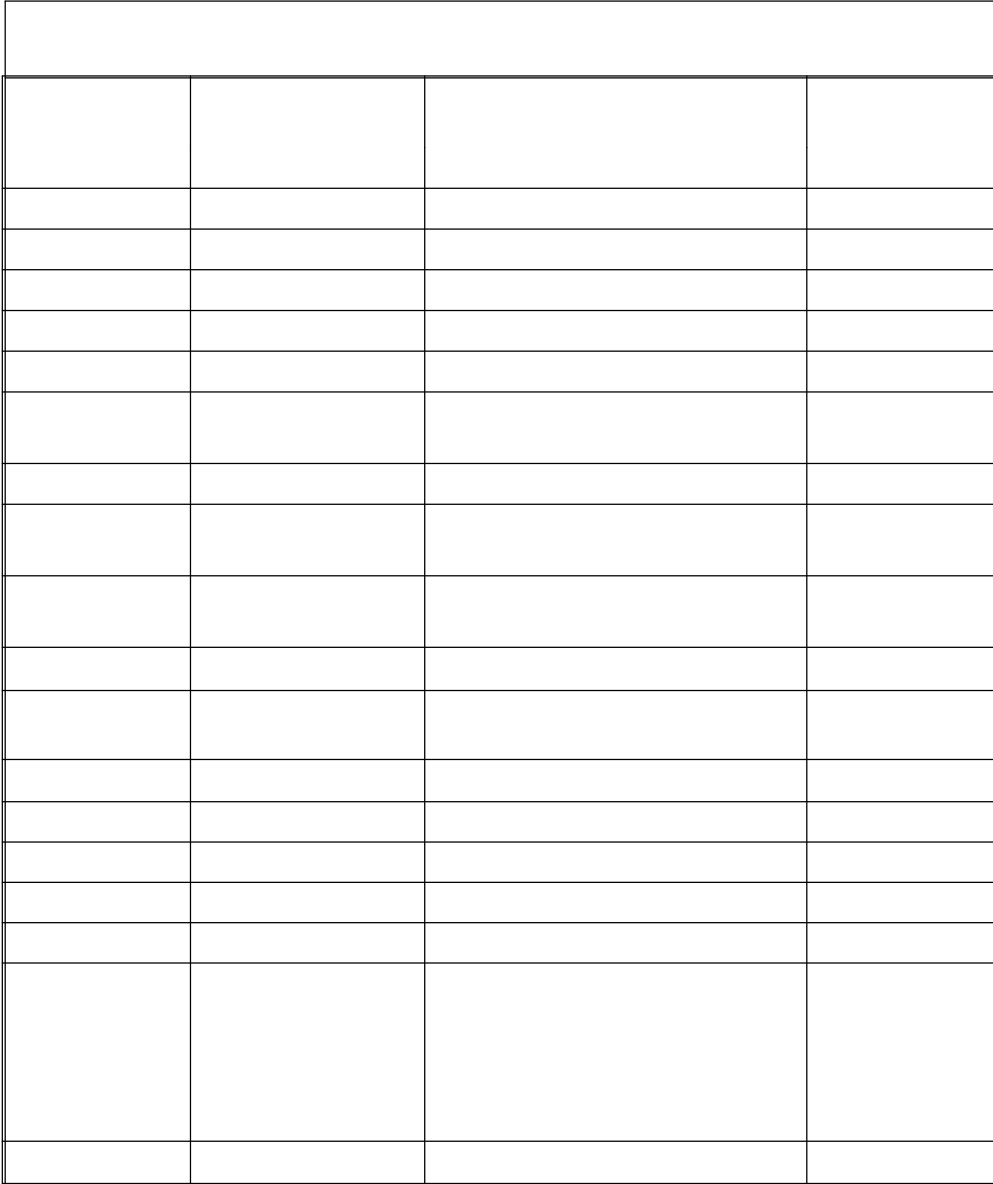


DECK TO DECK STEPS 2' RISE

902-401

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|-------------------------------|------|
| 1 | 905-000 | Step Rise 2' | 1 |
| 2 | 903-438 | Handrail Panel | 2 |
| 3 | 903-440 | Bracket for Handrail | 8 |
| 4 | 903-001 | Hinged Pipe Clamp | 8 |
| 5 | 126-701 | 3/8" x 1-1/4" Buttonhead Bolt | 8 |
| 6 | 316-601 | 3/8" Washer | 16 |
| 7 | 226-602 | 3/8" Nylon Lock Nut | 8 |
| 8 | 236-601 | 3/8" T-Nut | 8 |
| 9 | 196-807 | 3/8" x 3/8" Set Socket Screw | 8 |
| 10 | 196-555 | 1/4" x 3/4" Roll Pin | 8 |
| 11 | 126-703 | 3/8" x 1" Buttonhead Bolt | 8 |





5

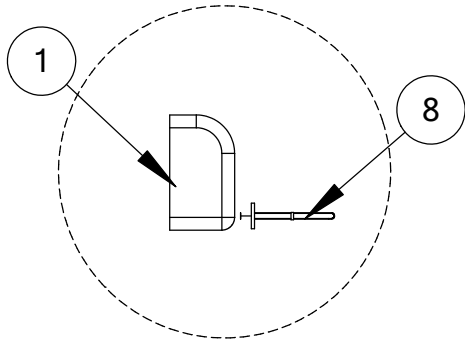


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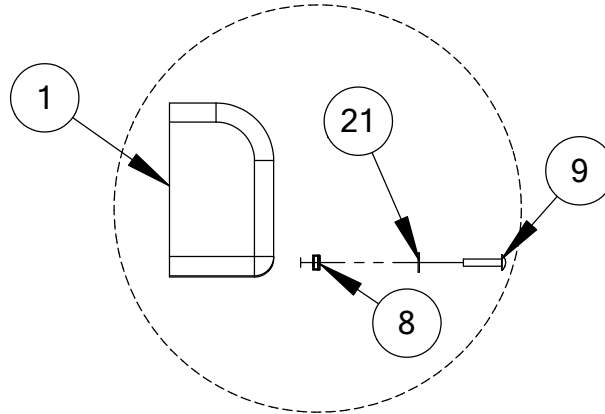
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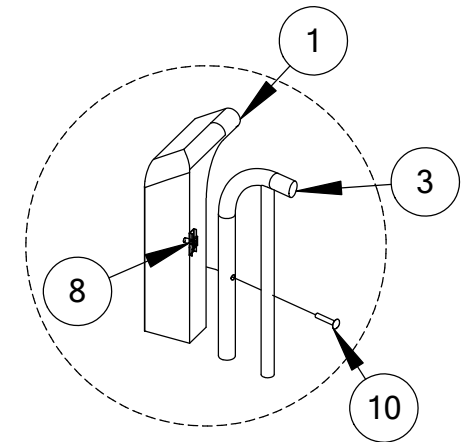
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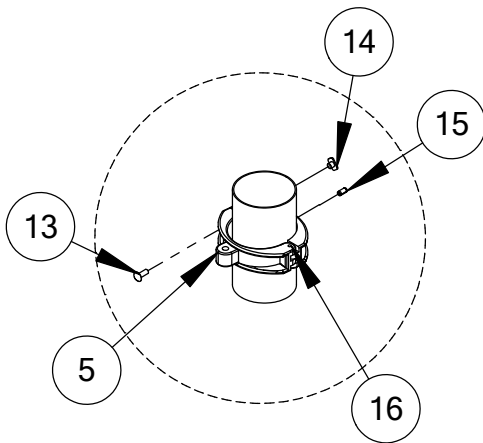
DETAIL C
Typ 4 Pls



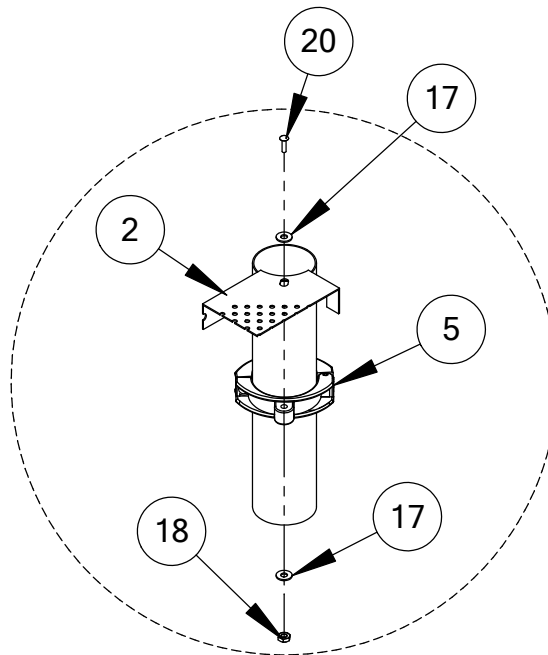
DETAIL D
Typ 4 Pls



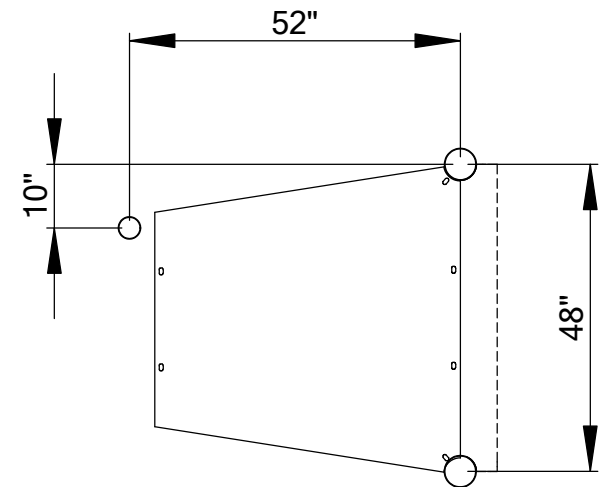
DETAIL E
Typ 4 Pls



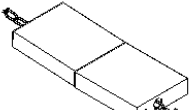
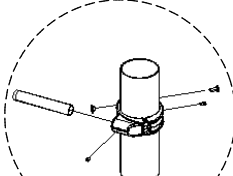
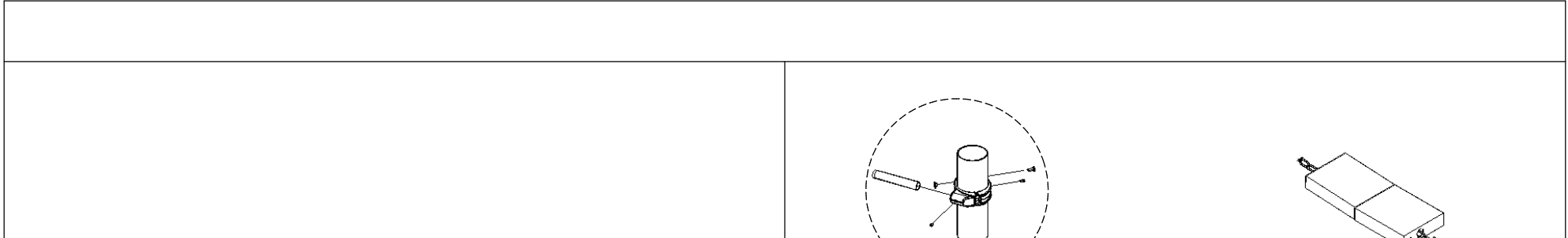
DETAIL F
Typ 2 Pls



DETAIL G
Typ 2 Pls

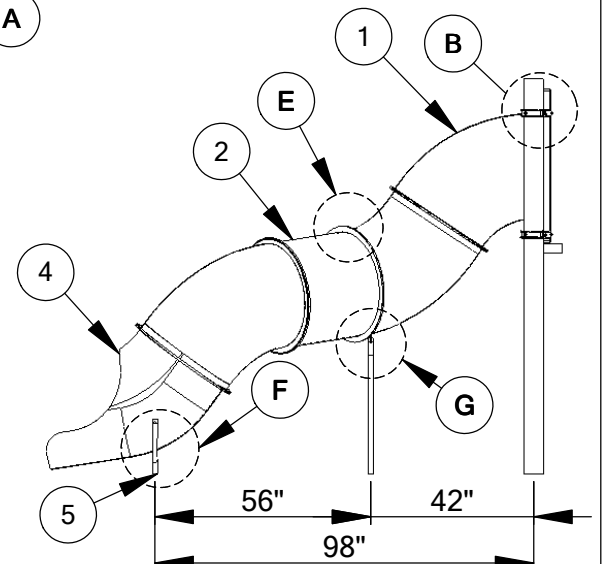
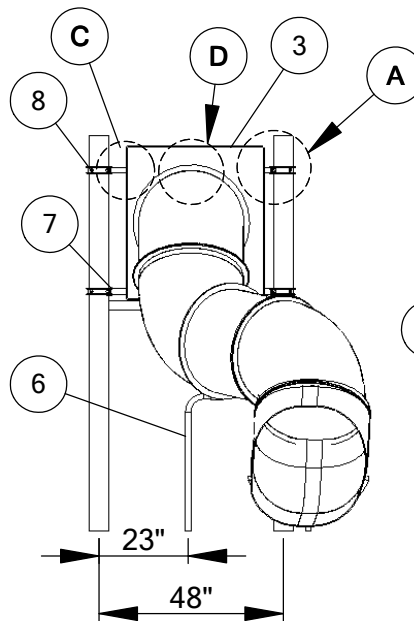
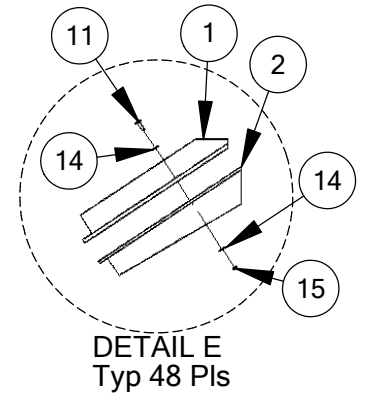
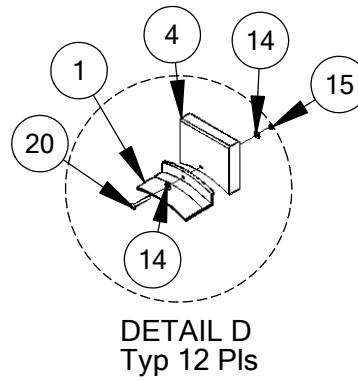
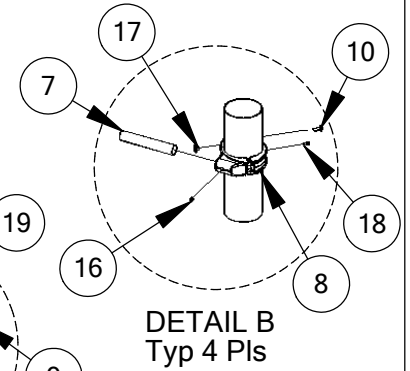
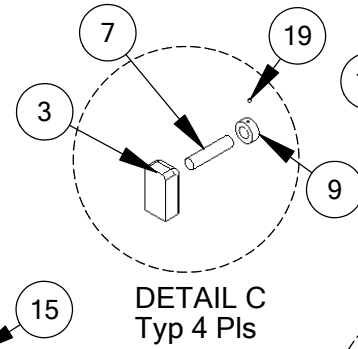
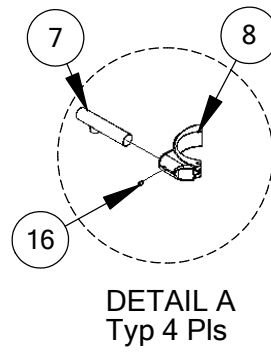
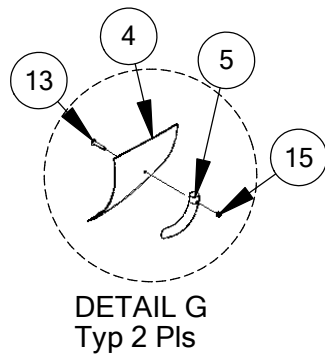
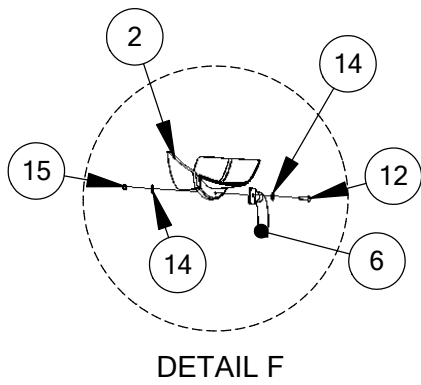


FOOTING DIAGRAM



"S" TUBE SLIDE TO 5' DECK

902-255



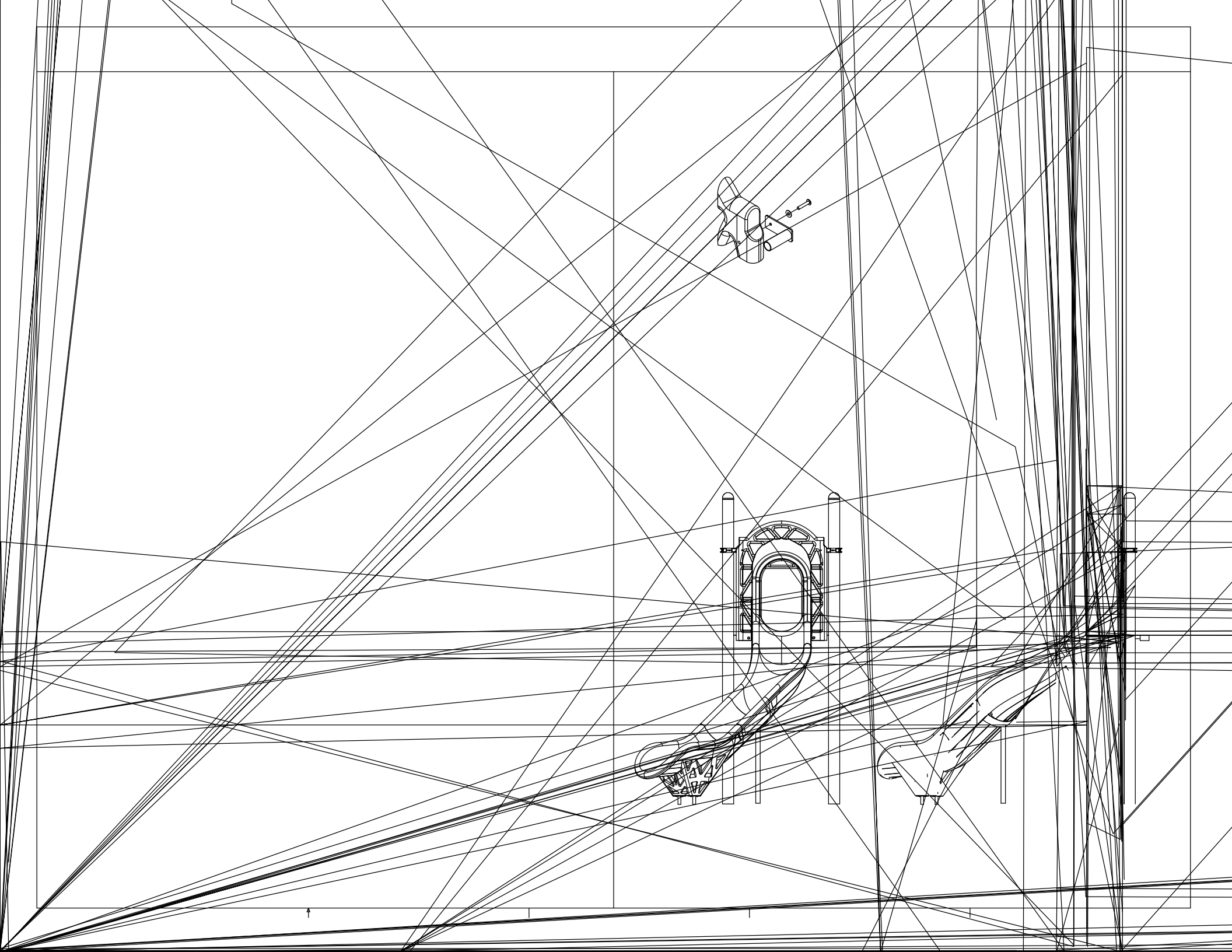
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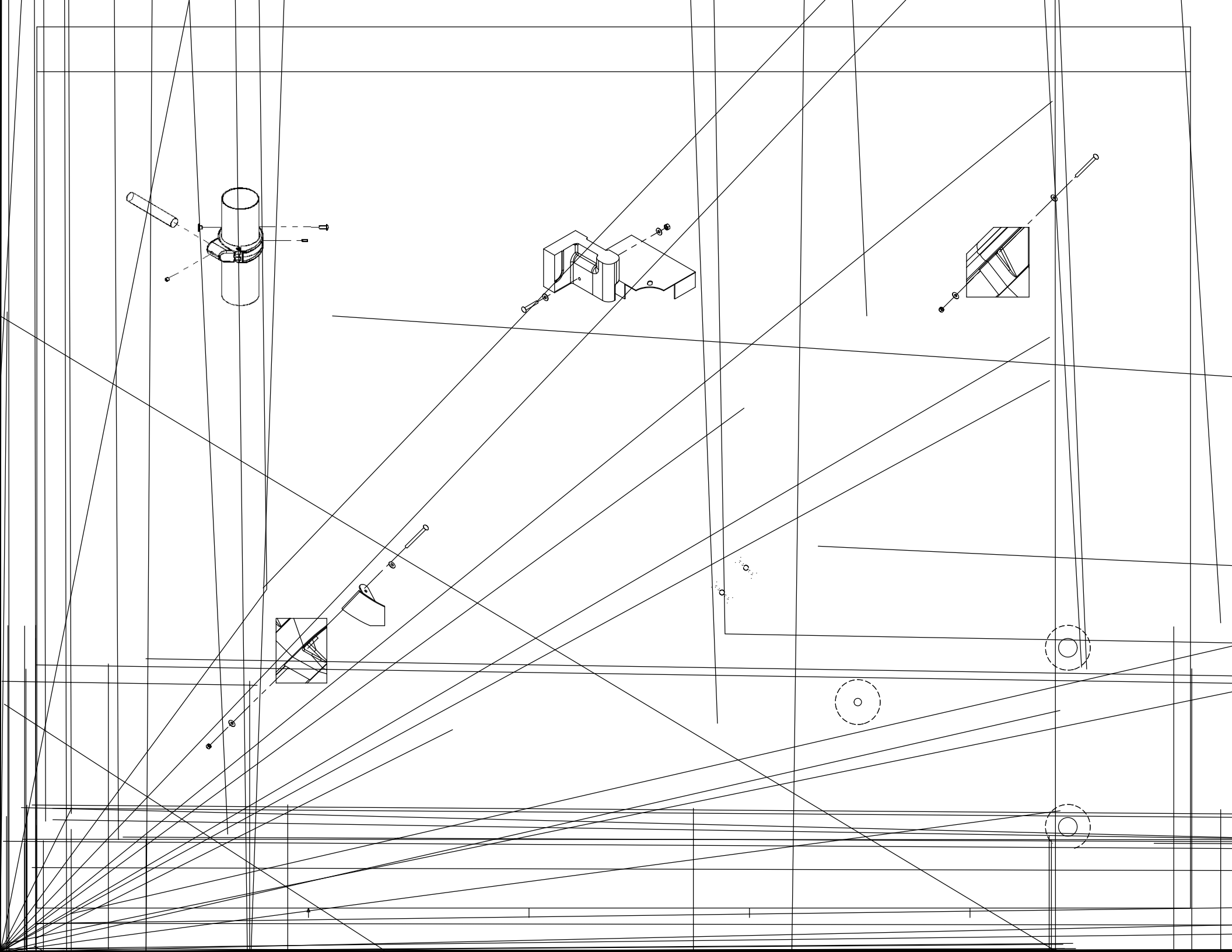
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3

2

1



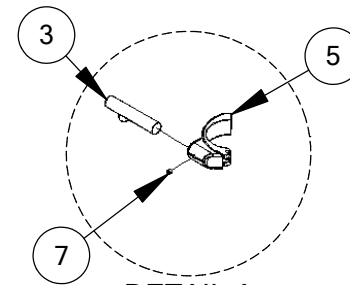




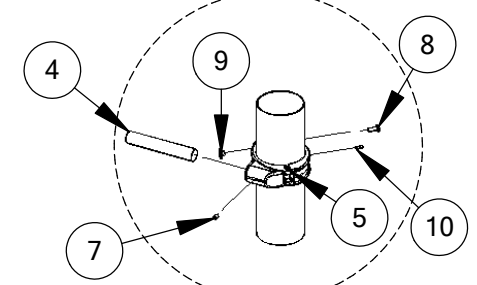
STRAIGHT TUBE SLIDE to 4', 5', & 6' DECK

902-264, 902-265,
902-266

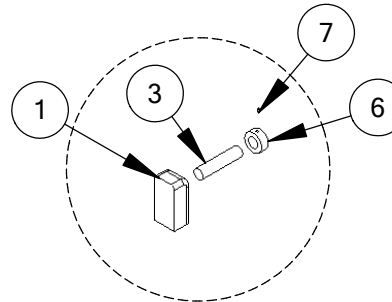
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|---------------------------------|--|------|
| 1 | 000-000, 000-000, 435-631 | Straight Tube Slide 4', 5', & 6' Deck | 1 |
| 2 | 903-264 | Leg for Straight Tube Slide | 1 |
| 3 | 903-103 | 48" Pipe | 2 |
| 4 | 903-001 | Pipe Clamp | 4 |
| 5 | 105-020 | 1-3/8" Aluminum Collar | 4 |
| 6 | 196-807 | 3/8" x 3/8" Socket Set Screw | 8 |
| 7 | 126-703 | 3/8" x 1" Buttonhead Bolt | 4 |
| 8 | 236-601 | 3/8" T-Nut | 4 |
| 9 | 196-555 | 1/4" x 3/4" Roll Pin | 8 |
| 10 | 126-705 | 3/8" x 2" Buttonhead Bolt | 2 |
| 11 | 226-602 | 3/8" Nylon Lock Nut | 2 |
| 12 | 902-266 | straight tube slide 6' | 1 |



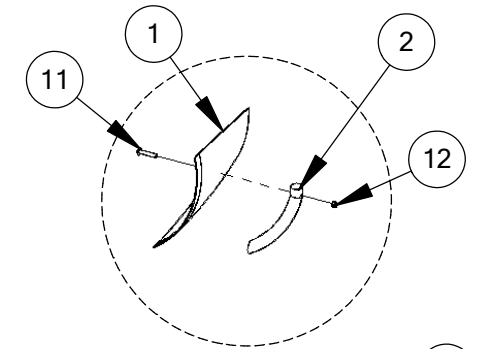
DETAIL A
Typ 4 Pls



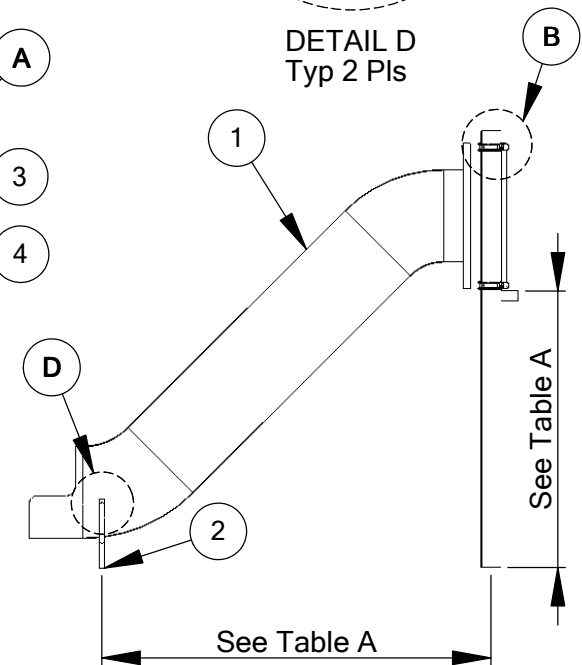
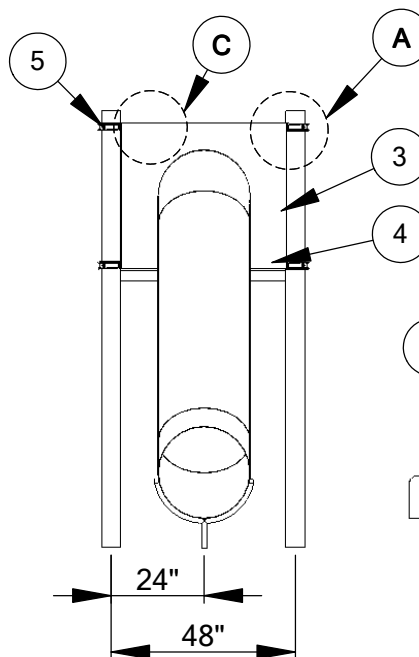
DETAIL B
Typ 4 Pls



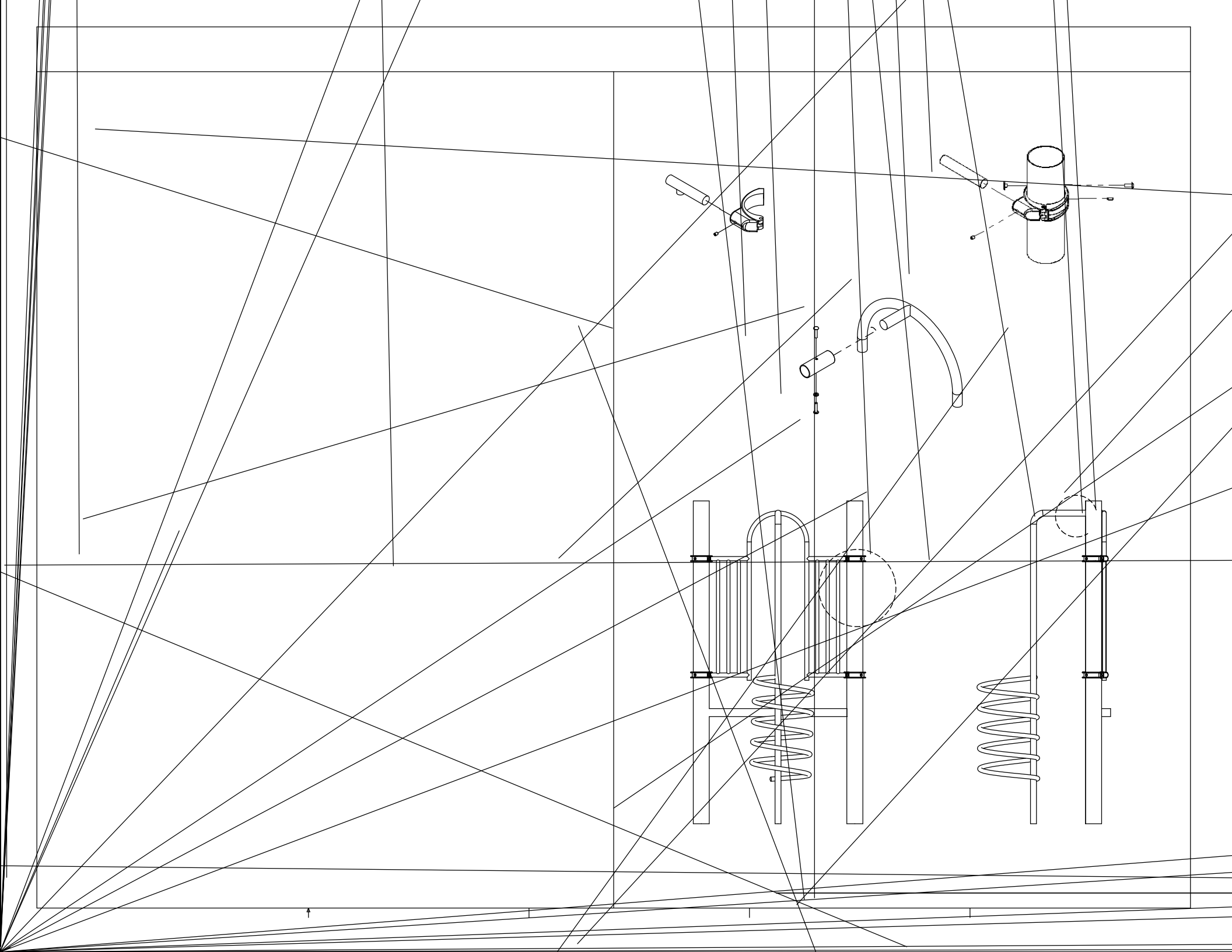
DETAIL C
Typ 4 Pls



DETAIL D
Typ 2 Pls



| Deck Height | Post/ Footing Distance |
|-------------|------------------------|
| 48" | 72" |
| 60" | 95" |
| 72" | 101" |

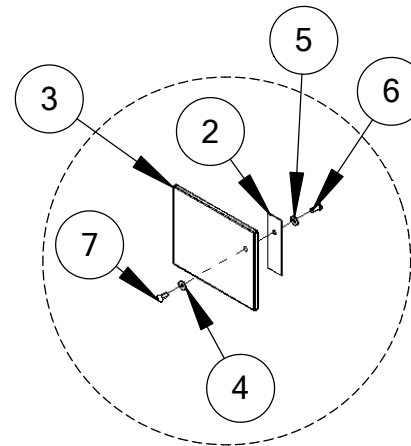




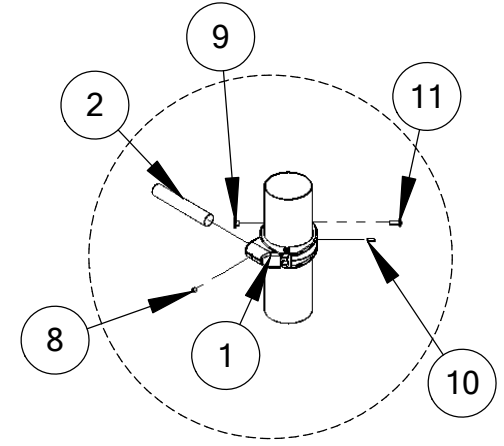
BENCH PANEL

902-820

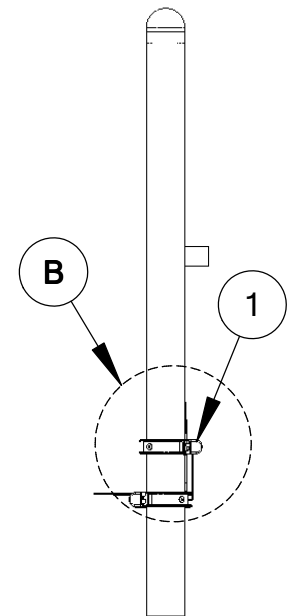
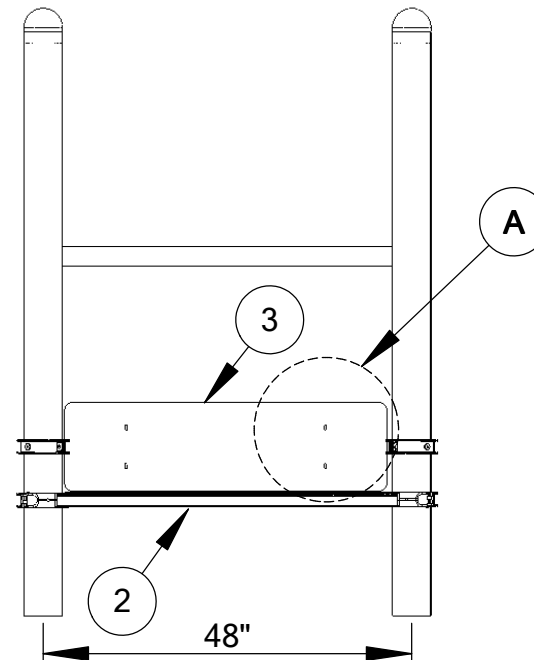
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|------------------------------|------|
| 1 | 903-001 | Pipe Clamp | 4 |
| 2 | 903-820 | Bracket for Bench Panel | 1 |
| 3 | 903-819 | Plastic Bench Board | 2 |
| 4 | 316-601 | 3/8" Flat Washer | 8 |
| 5 | 326-501 | 5/16" Lock Washer | 8 |
| 6 | 216-512 | 5/16" x 1" Buttonhead Nut | 8 |
| 7 | 116-529 | 5/16" x 3/4" Buttonhead Bolt | 8 |
| 8 | 196-807 | 3/8" x 3/8" Socket Set Screw | 4 |
| 9 | 236-601 | 3/8" T-Nut | 4 |
| 10 | 196-555 | 1/4" x 3/4" Roll Pin | 4 |
| 11 | 126-703 | 3/8" x 1" Buttonhead Bolt | 4 |



DETAIL A
Typ 8 Pls



DETAIL B
Typ 4 Pls

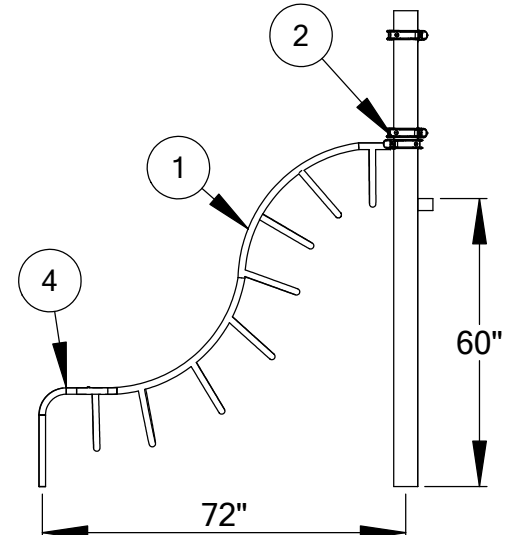
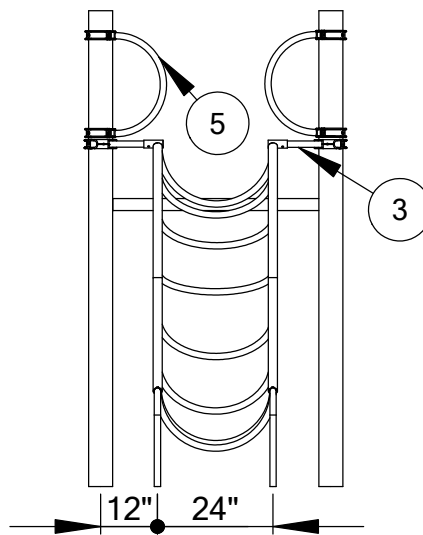
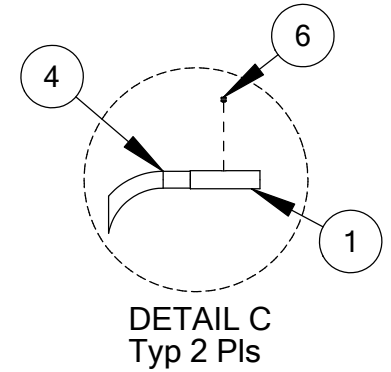
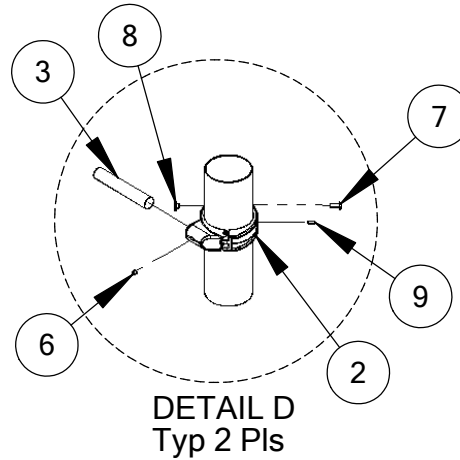
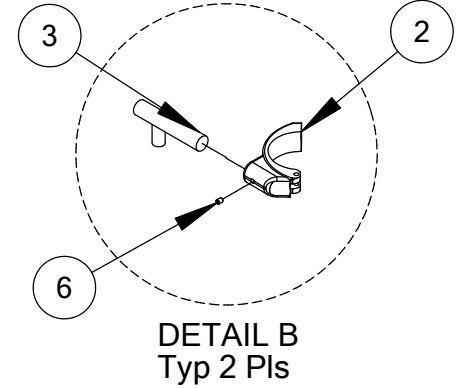
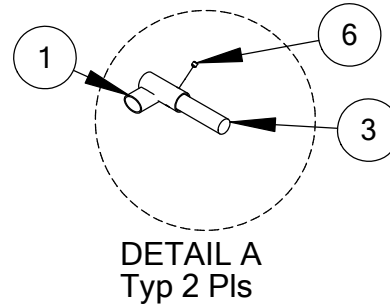




HALF CIRCLE CLIMBER

902-118

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|-----------------------------|------|
| 1 | 903-118 | Half Circle Climber | 1 |
| 2 | 903-001 | Pipe Clamp | 6 |
| 3 | 903-128 | 13" Stub | 2 |
| 4 | 904-121 | Leg Half Circle Climber | 2 |
| 5 | 903-126 | Hand Hold Small | 2 |
| 6 | 196-807 | 3/8" x 3/8" Socet Set Screw | 6 |
| 7 | 126-703 | 3/8" x 1" Buttonhead Bolt | 6 |
| 8 | 236-601 | 3/8" T Nut | 6 |
| 9 | 196-555 | 1/4" x 3/4" Roll Pin | 6 |





"U" CLIMBER/ ARCH WALL

902-129-3, -4, -5, & -6

| ITEM NO. | PART NUMBER | PART DESCRIPTION | QTY. |
|----------|--|--|------|
| 1 | 903-137 | Arch Wall | 1 |
| 2 | 903-119-3 903-119-4 903-119-5 903-119-6 | "U" Climber 3' "U" Climber 4' "U" Climber 5' "U" Climber 6' | 1 |
| 3 | 903-001 | Pipe Clamp | 4 |
| 4 | 196-555 | 1/4" x 3/4" Roll Pin | 4 |
| 5 | 196-807 | 3/8" x 3/8" Set Socket Screw | 4 |
| 6 | 236-601 | 3/8" T-Nut | 4 |
| 7 | 126-703 | 3/8" x 1" Button Head Bolt | 4 |
| 8 | 116-535 | 5/16" x 1-1/2" Button Head Bolt | 1 |
| 9 | 326-501 | 5/16" Lock Washer | 1 |
| 10 | 216-512 | 5/16"x 1" Button Head Nut | 1 |

