

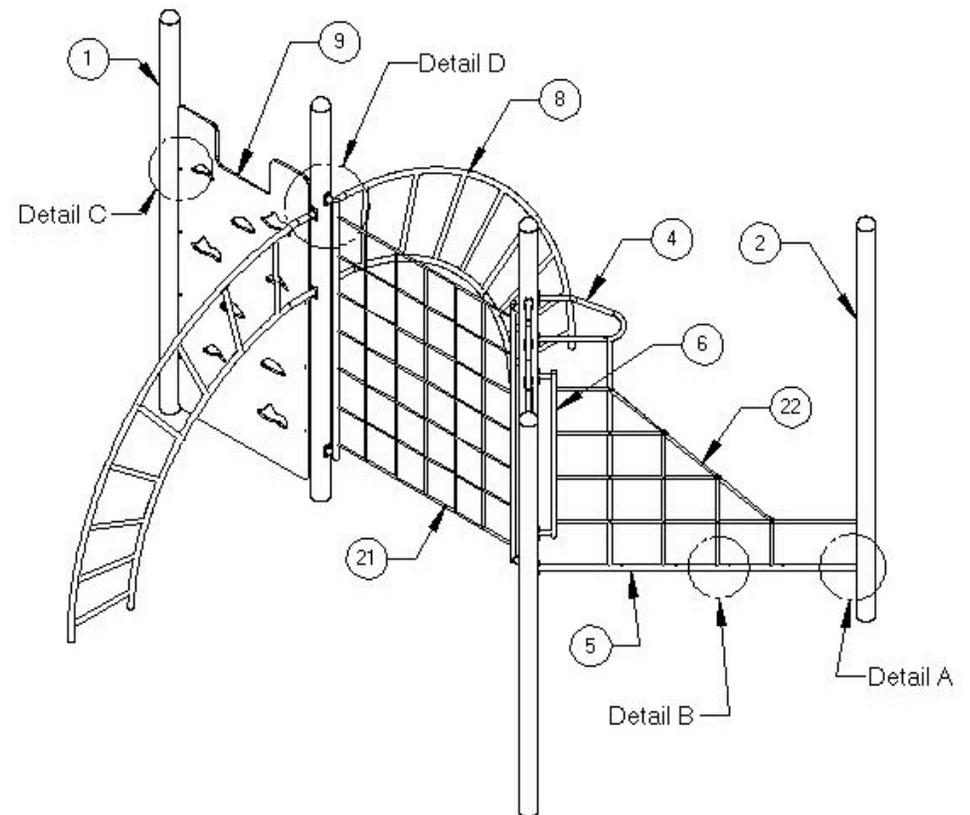
INSTALLATION DETAILS

- Recommended crew (Adult): 2
- Installation time: 8 hrs (16 man hrs over two days)
- User age: 2-12 yrs
- Use zone: 72" from the furthest point of structure
- Weight: 800

SURFACING: Use of safety surfacing in compliance with ASTM specification F1292 is required.

MAINTENANCE:

- As the owner of the playground you are responsible for maintenance of the equipment and play area. A maintenance schedule must be developed and the equipment inspected frequently. A maintenance section that includes component specific maintenance requirements is included at the end of this manual.
- Be sure to inspect surfacing for foreign objects that could cause injury and that sufficient surfacing is in place in accordance with ASTM and CPSC standards.





**902-300 HERCULES CLIMBER VII
INSTALLATION INSTRUCTION**

PARTS LIST

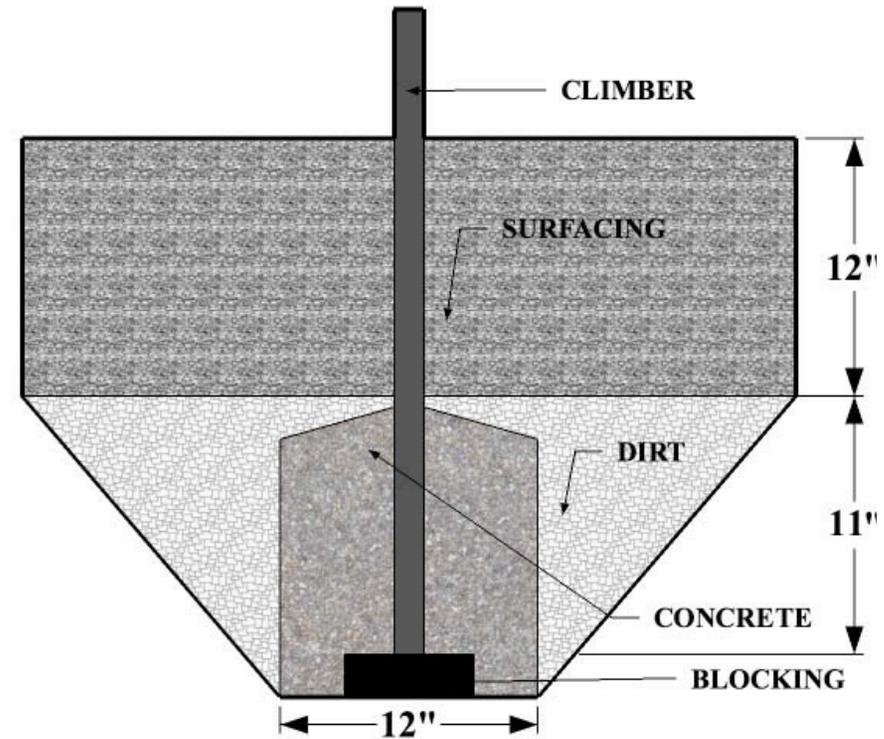
ID	PART #	DESCRIPTION	QTY
1	913-108	5" O.D x 11'4" Post	3
2	913-398	3.5" O.D.x6'2" Post	2
3	315-996	Red Bottom End Cap 5" Post	3
4	913-397	Top Support for Angle Net	2
5	913-396	Horizontal Support for Angle Net	2
6	913-395	Vertical Support for Angle Net	2
7	913-307	Rope Bracket for Hercules Climber	2
8	903-302	Arch Ladder for Hercules Climber	2
9	903-301	Plastic Panel for Hercules Climber	1
10	905-208	Gasket for Attachment Bracket	28
11	905-526	Self Tapping Screws	112
12	913-417	Panel Attachment Bracket	8
13	913-402	Four Hole Attachment Bracket	4
14	196-807	3/8"x3/8" Set Screw	12
15	316-501	5/16" Flat Washers	8
16	316-601	3/8" Flat Washer	54
17	226-602	3/8" Hex Nut	32
18	905-847	Red Bolt Caps	32
19	216-512	5/16"x1" Button Head Nut	8
20	116-529	5/16"x 3/4" Button Head Bolt	8

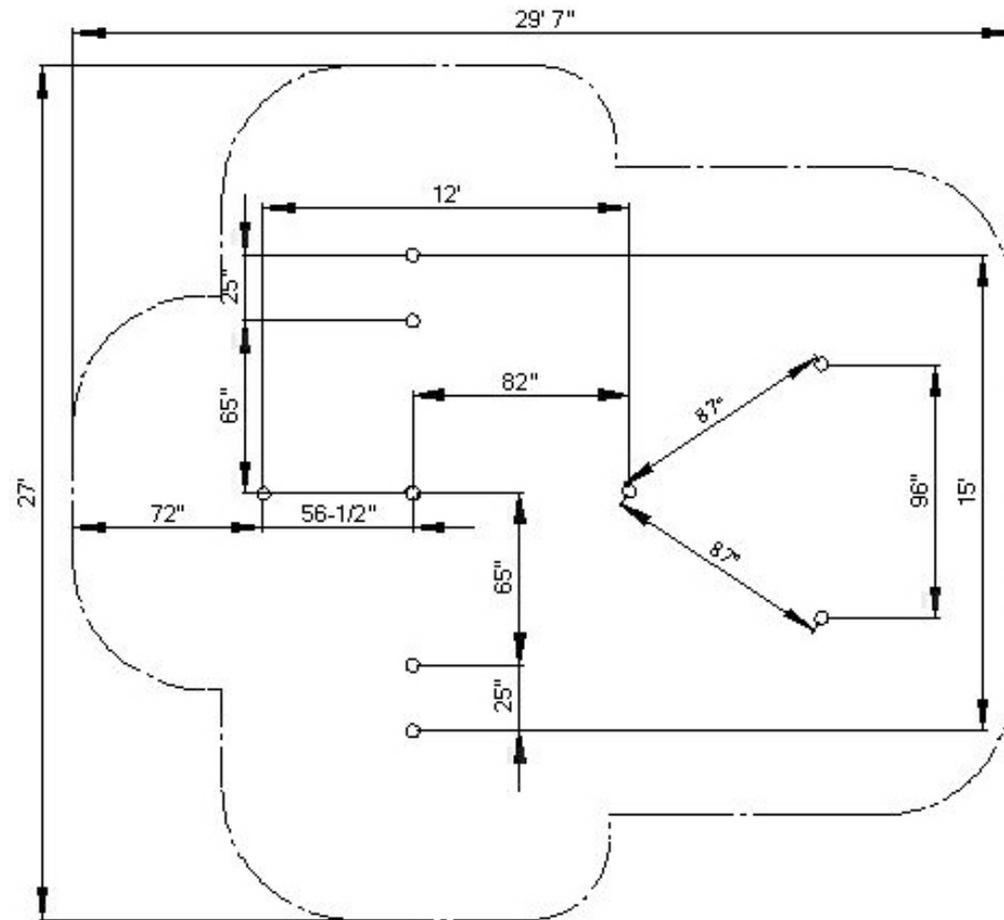
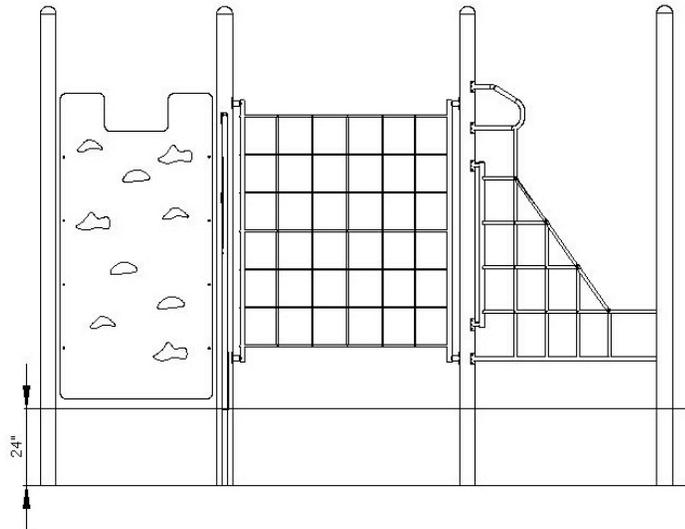
ID	PART #	DESCRIPTION	QTY
21	905-302	Net for Hercules Climber	1
22	905-303	Angle Net For Hercules Climber	2
23	905-261	T 27 Torx Bit	2
24	416-350	3/16" Socket Key	4

NOTE: Keep a copy of these instructions on file to assist you with maintenance and replacement parts.

FOOTING INFORMATION

- Total footing depth is 23" less the height of the surfacing plus the height of the blocking material. If you are using 12" of surfacing the footing hole would need to be 11" plus the height of the blocking material (refer to both the side and front cutaway views to the right).
- If the Play structure is installed on an unlevel grade you must adjust the footing depth to accommodate the grade. For instance, if the grade for this component is 1" higher than the surface grade of the main playground post you must dig your footing hole 1" deeper.
- You must place the bottom of the support post or slide leg on a suitable flat blocking material to prevent it from sinking further into the soil. We recommend you use a brick, block of wood or several inches of gravel. The footing depth does not include this blocking material since materials used often vary.
- It is the owner/installers responsibility to check local building codes and to comply with those codes. All footing depths listed here are recommendations and local soil types and frost lines may require a deeper and/or wider footing depth. If that's the case you must add more blocking material to accommodate the deeper footing, as the post length will still only be installed at the depth listed in this instruction manual.
- Assemble the entire unit before adding the concrete unless instructed to do so in the individual component instruction sections.







SPECIFICATIONS

- **Panel**- 3/4" UV protected HDPE
- **Hardware** – Stainless steel & tamper resistant
- **Attachment Brackets**- Electrostatically applied & oven cured powder coat
- **Paint** – Electrostatically applied & oven cured powder coat
- **Tube** – FloCoat® Galvanized 1 3/8" OD and 1" OD.
- **Nets**-16mm Steel Reinforced Rope

INSTALLATION TIPS & TROUBLE SHOOTING

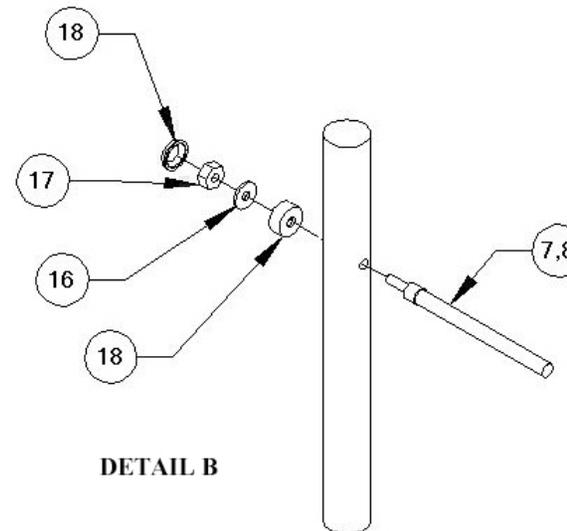
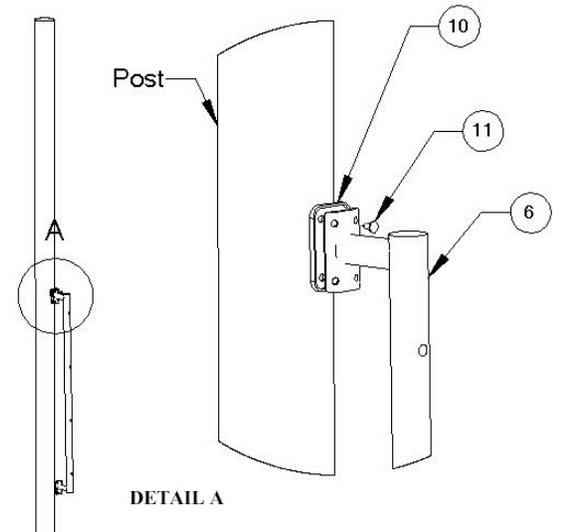
- SportsPlay Equipment Inc. recommends pre-drilling the holes in the post when attaching a four-hole bracket with a number #7 drill bit. This will make the attachment of the four-hole bracket with the self-tapping screws easier and it will prevent damage to the screw head during installation.
- Apply locktite to all bolts during assembly prior to completely tightening them.
- Stainless Steel hardware can occasionally be difficult to use particularly if you need to take them out to make an adjustment. It is recommended that you add a drop of oil to bolts that may have to be removed before you install them.
- Do not tighten bolts all the way until the unit is completely assembled and all components are square and level.
- Identify and separate all parts by referencing the detail drawings and the parts list.
- As you unpack and separate the components, use the cardboard sheets that were used for packing and shipping to prevent damage to the components. This is particularly true all Powder Coated and Thermoplastic coated components, by setting the components on top of the cardboard.

BEFORE YOU BEGIN

In addition to the components on the packing list you will need a post hole digger, level, tape measure, drill, 9/16" wrench, hack saw, blocking material, marking paint, and cement.

INSTALLATION STEPS

- __ 1) Review all instructions before beginning**
- __ 2) Unpack, organize, and identify all components:** Be sure to place all painted components on a protective surface (cardboard, cloth, etc...) to prevent damage.
- __ 3 Dig footing holes:** Refer to the footing drawing in your instruction booklet.
- __ 4) Place posts in proper location:** Install the Red Posts Caps (3) into the bottom of the 5" Post before placing it in the footing hole. The three 5" Posts (1) will set in the middle footing holes. The 3 1/2" Posts (2) will set in the two footing holes on one end of the structure.
- __ 5) Attach the Horizontal Support for Angle Net:** The Horizontal Support for the Angle Net (5) attaches between one of the 3 1/2" Posts (2) and the 5" Post (1) make sure that the first 1/2" hole in the Horizontal Support for the Angle Net is 19 1/2" from the 5" Post. The Horizontal Support for the Angle Net will need to be set 6" above the depth of the surfacing. Attach this to the post with the Self Tapping Screws making sure that an Attachment Bracket Gasket is in between the Horizontal Support for the Angle Net and the Post. Repeat this step for the other Horizontal Support for the Angle Net connecting it to the opposite 3 1/2" post and the same 5" post, making sure the supports are level. (See detail A)

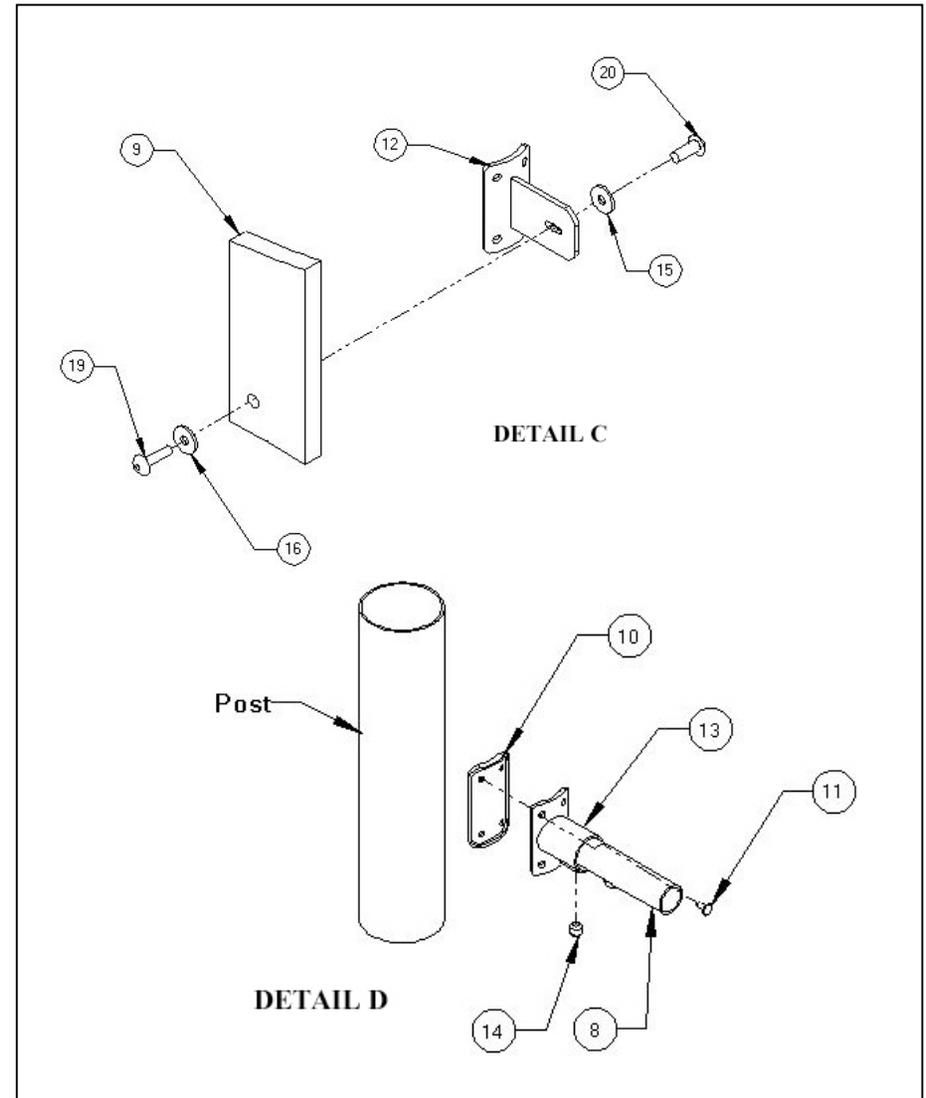


INSTALLATION STEPS CONTINUED

6) Install Vertical Support for Angle Net: Both Vertical Supports for the Angle Net (6) will install to the 5" Post that the Horizontal Support for the Angle Net attached to. The first Vertical Support for Angle Net will install directly above one of the Horizontal Supports, it will need to be 15" center to center of the Attachment points. Install it with the Self Tapping Screws making sure that the Gasket for the Attachment Bracket is between the Vertical Support and the Post. Repeat this for the other Vertical Support. (See detail A)

7) Install the Top Support for the Angle Net: The top support for the Angle net is mounted above the Vertical support, it is 80" from center to center of the Horizontal Support and Top Support. Attach this with the Self Tapping Screws making sure that the Attachment Bracket Gasket is between the Top Support and the Post. (See detail A)

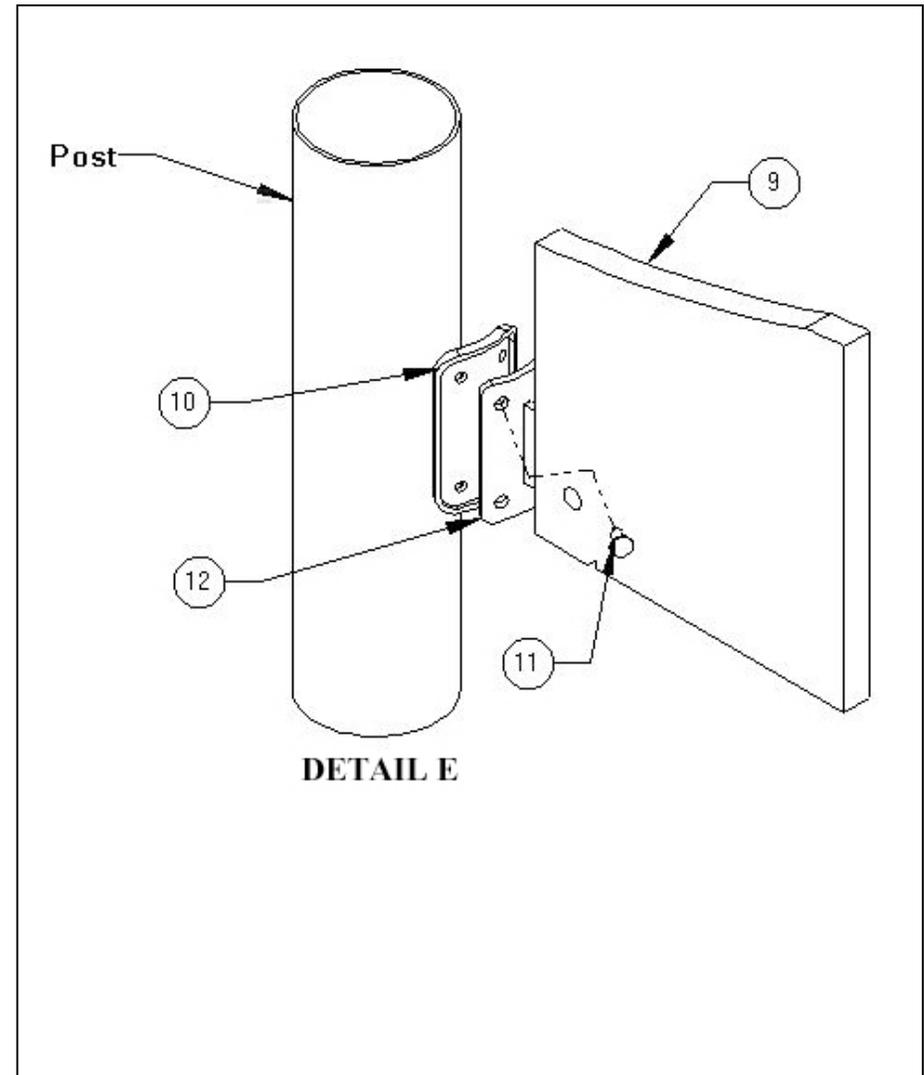
8) Install the Angle Net: The Angle Nets install with the bolts that are attached to the nets, one Flat 3/8" Washer (16), one 3/8" Hex Nut (17) and one Red Bolt Cap bottom (18). One of the end bolts of the Angle Net will bolt through the 3 1/2" post, secure it by placing the red bolt cap bottom onto the bolt against the post. Then place a 3/8" Flat Washer onto the bolt and seat it into the Red Bolt Cap, place a Hex Nut onto the bolt leaving 1/2" to 1" of threads showing on the opposite side of the post. The other end bolt will connect through the Top Support in the same fashion. Repeat these steps until all bolts of both Angle Nets are attached. Do not tighten until cement has cured. (See detail B)



INSTALLATION STEPS CONTINUED

__9) Block and level: You will need to block the two 3 ½” posts and the one 5” post that you have installed the Angle Net to. After the three posts are secure and level you can pour cement or a “HOT MIX” into the footing holes. Check the post for level throughout the rest of the construction of the structure.

__10) Install Panel Attachment Brackets: To complete this step you will need the Plastic Panel (9), eight Panel Attachment Brackets (12), eight Gaskets for Attachment Brackets (10), and 32 Self tapping Screws (11). First you will need to layout the placement of the Panel Attachment Brackets. The bottom of the panel should be level with the height of the surfacing. The first Panel Attachment Bracket should be approximately 2” above the bottom of the Plastic Panel, install a Panel Attachment Bracket in this location. You will then need to figure the total height of the panel and place a second Panel Attachment Bracket 2” lower than the total height of the Plastic Panel. Evenly space the remaining two Panel Attachment Brackets between the top and bottom brackets. Repeat this for the other post that the Plastic Panel will attach to. (See detail E)





INSTALLATION STEPS CONTINUED

__11) Attach the plastic Panel: You will need eight each of the 5/16"x1" Button Head Nuts (19), 5/16" x 3/4" Button Head Bolts (20), 5/16" Flat Washers (15), and 3/8" Flat Washers (16). Place one 3/8" Flat Washer on each of the 5/16" x 1" Button Head Nuts and insert it into the plastic panel then through the corresponding Panel Attachment Bracket. Secure it with a 5/16" x 3/4" Button Head bolt and a 5/16 Flat Washer. Repeat this for the remaining attachment brackets. (See detail A)

__12) Install the Rope Bracket for the Hercules Climber: The bottom of the attachment point of the Rope Bracket will install at the same height as the top of the surfacing you are installing it on. Use the Self Tapping Screws (11) and the Gasket for the Attachment Bracket (10) to connect to the Posts. (See detail A)

__13) Install the Rope Climber: This will install in the same manner as the Angle Rope Climbers did. Do not tighten until the cement has set. (See detail B)

__14) Connect the Arch Ladders: These will connect to the 5" Post between the Rope Climber and the Plastic Panel. Place one of the four 4 hole Brackets (13) on each of the small ends of the Arch Ladders (8). Next you will need to place the larger of the ends of the Arch Ladders into the footing holes. Carefully lean the Arch Ladder over to the 5" Post and secure it with the Self Tapping Screws and an Attachment Bracket Gasket between the post and Bracket. Repeat this for the other Arch Ladder. (See detail D)

__15) Once the entire playground has been installed and you have verified that the entire playground is level you can **add the concrete to the footing holes**. Be sure to use concrete with a minimum 2,500 psi and mix the concrete per the manufacturer's directions before you pour it into the footing hole. Once the footing has been filled with concrete you should rope of the area for a minimum of 48 hours to allow the concrete set properly.

__16) Once the concrete has set, use locktite when tighten the bolts that are attached to the rope climbers, once they are tight you will need to cut off the extra bolts and install the Red Bolt Cap tops. Now you can back fill dirt over the footing holes; inspect the area and components for tools, hazardous debris and sharp edges. Verify all components are installed and all hardware is tight and then install the safety surfacing.

__17) Inspect the components: for sharp edges and if necessary file them down and apply touch up paint.