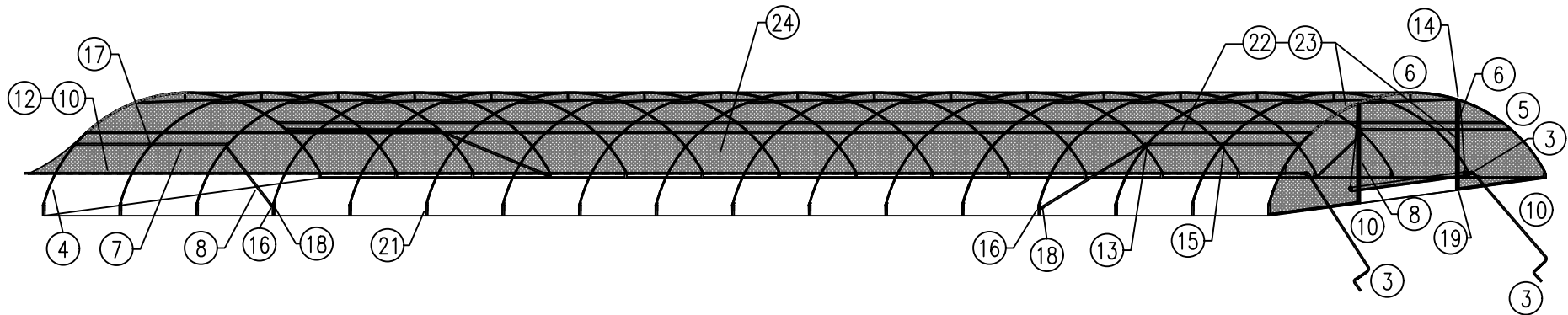




22'x96' - 1000 Series Installation Manual

Part No. 0096-1000-0221



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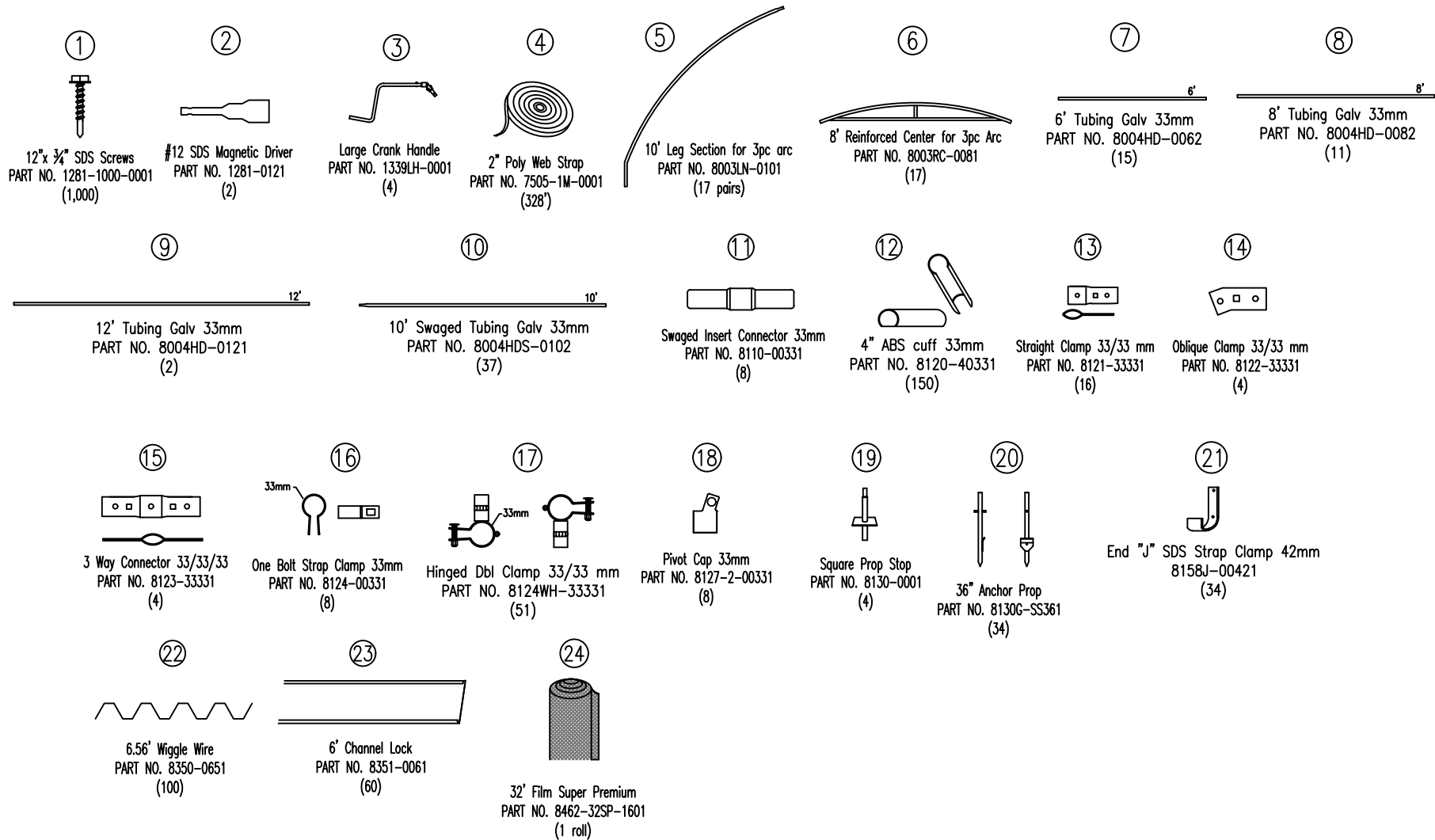
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1000 SERIES INSTALLATION MANUAL

22'x96' - 1000 Series Components List



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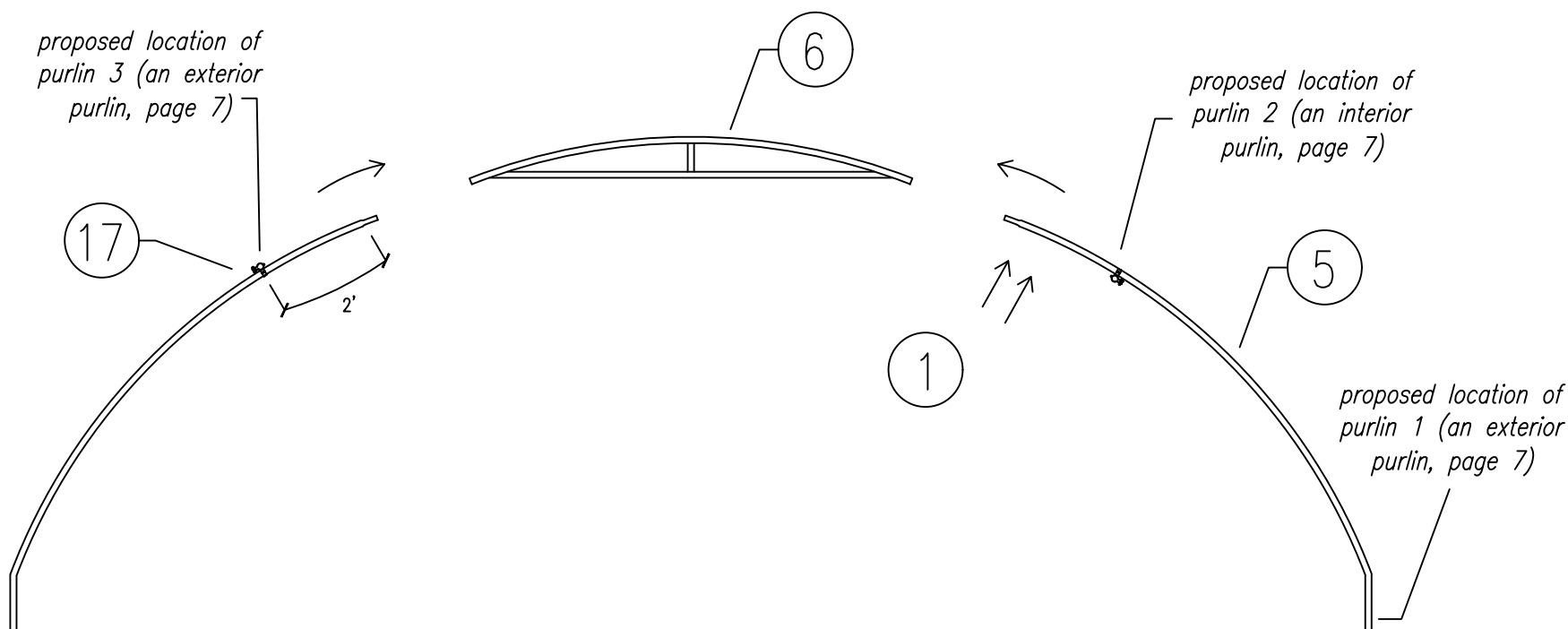
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Overview:

Assembly of arcs to determine exact width of proposed structure.

Instructions

1. Slide one (17) 33/33mm hinged double-clamp onto each (5) 10' leg, 2' in from the swaged end (see drawing).
2. Connect (5) legs to reinforced (6) 8' center piece to create arc (drill in two (1) screws at the unions to hold tubes together).



- (1) SDS screws
- (5) 10' leg section (pairs) (17)
- (6) 8' reinforced center (17)
- (17) 33/33mm hinged double clamp (34)

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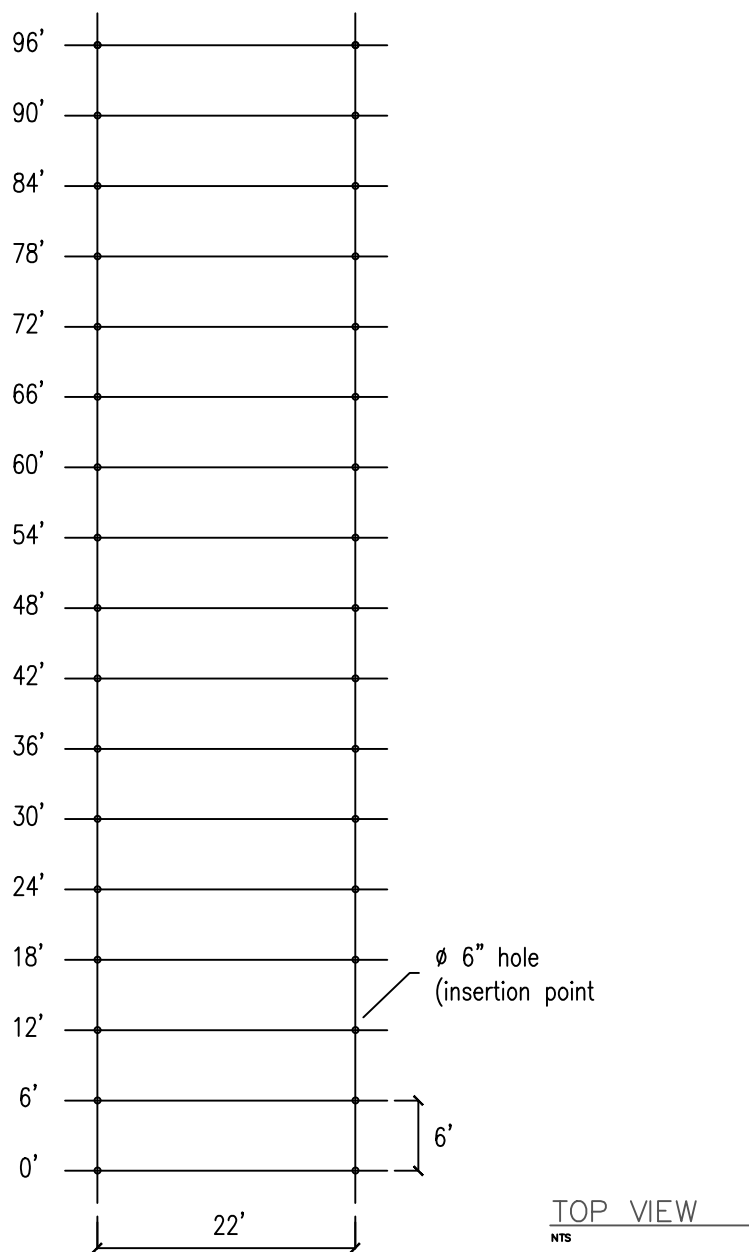
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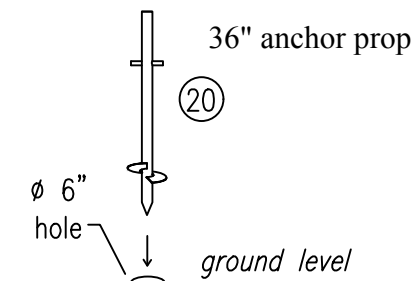


Overview:

Setting up the foundation is crucial to maximizing the stability of your cold frame. Be sure to clear out the portion of land you intend to cover and flatten the ground to ensure continuity throughout the heights of all platform posts.

Instructions

1. Using the width of the assembled arcs as an accurate measurement, map out your platform insertion points as shown.
2. Once insertion points are located, dig 6" diameter holes and insert (20) 36" anchor props.
3. Use appropriate tooling according to the condition of the soil where the structure will stand.



(20) 36" anchor prop (34)

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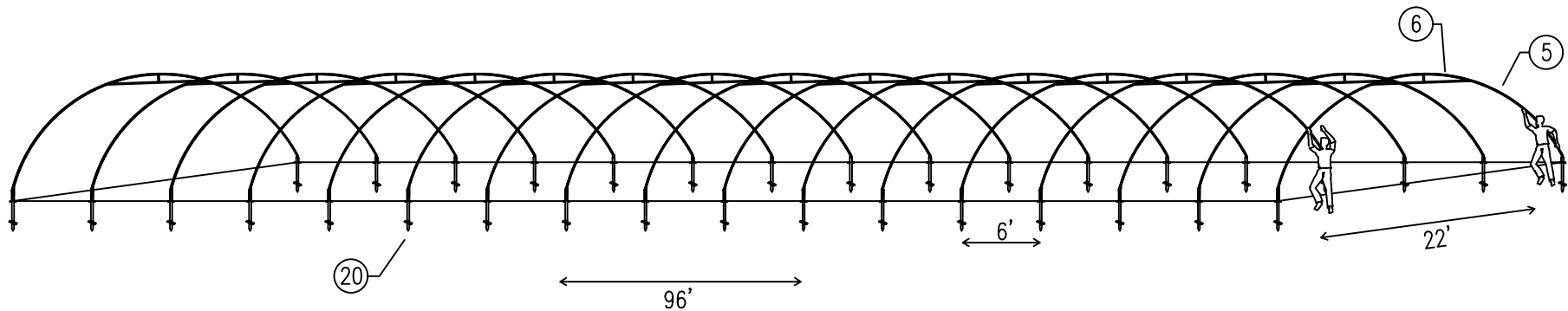
Sheet	4
Of	12

Overview:

Installation of arcs to begin over-head structure assembly.

Instructions

1. With one person on each side, insert one end at a time and continue until all arcs are set onto (20) anchor props.



ISOMETRIC VIEW

NTS

- (5) 10' leg section (pairs)
- (6) 8' reinforced center
- (20) 36" anchor prop

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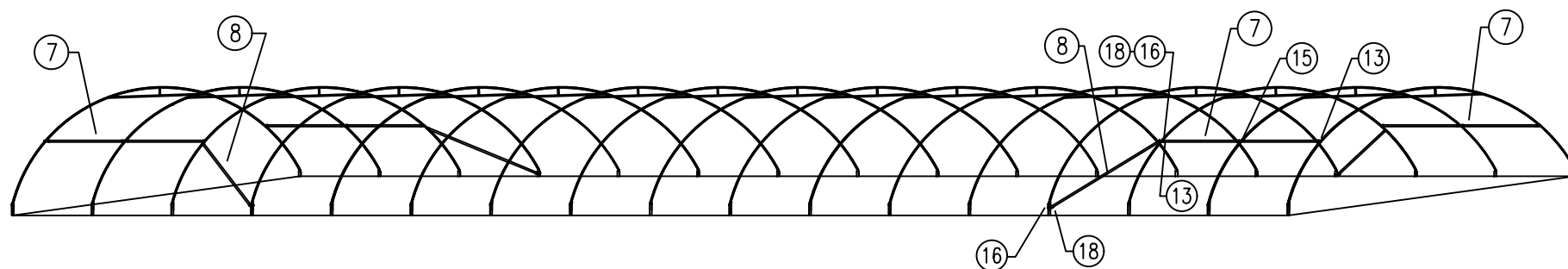
Sheet
5
Of 12 Sheets

Overview:

Attachment of the stretchers will provide additional support to both ends of the cold frame since this is where the most tension is placed.

Instructions

1. Using (16) 33mm one-bolt strap clamps, (15) 3 way connectors, and (18) pivot caps, connect (7) 6' tubes from the end arcs to the second and third arcs in.
2. Attach (8) 8' tubes from the third arcs to appropriate platform posts as shown below.
3. When complete with first corner, continue with remaining three corners as instructed



ISOMETRIC VIEW

NTS

- (7) 6' tube (8)
- (8) 8' tube (4)
- (13) 33/33mm straight clamp (8)
- (15) 33/33/33mm 3-way connector (4)
- (16) 33mm one bolt strap clamp (8)
- (18) pivot cap (8)

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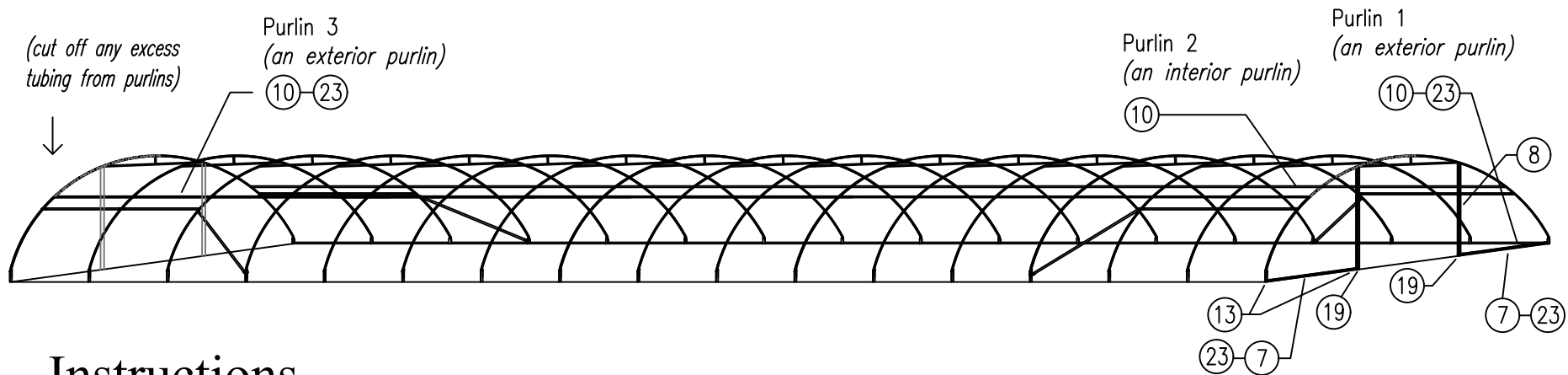
1000 SERIES INSTALLATION MANUAL

Sheet
6
Of 12 Sheets



Overview:

Setting up arc purlins along the exterior sides of structure, attaching aluminum channel and setting up front and back enclosures.



Instructions

1. Connect nine (10) 10' swaged tubes and one (7) 6' tube together (drill in two screws at the unions to hold tubes together) and use (17) 33/33 double-hinged clamps to attach this newly created purlin to arcs as shown. Three purlins total. See page 3 for purlin positioning.
2. Drill (23) aluminum channel along the top side of the first and last arcs as well as on the exterior purlins as shown.
3. Gather four (7) 6' tubes and drill on (23) aluminum channel to the tubes beginning at 12" in from both ends.
4. Using (13) straight clamp 33/33mm, connect prepped (7) 6' tubes to the first and last pairs of leg sections.
5. Drive (19) prop stops into ground and insert (8) 8' tubes at the appropriate distance so that they can be connected by the prepped 6' tubes using (13) straight clamp 33/33mm.
6. Cut both 8' tubes approximately $\frac{1}{2}$ " below the hoop. Attach the top of the the 8' tubes to the hoop using the (14) oblique clamps. Drill on 23 aluminum channel to the 8' tube facing outward.

(7) 6' tube (7)

(8) 8' tube (4)

(10) 10' swaged tube (27)

(14) 33/33mm oblique clamp

(16) 33mm one-bolt strap

(17) 33/33mm double-hinged clamps

(18) pivot cap

(19) prop stop

(22) wiggle wire

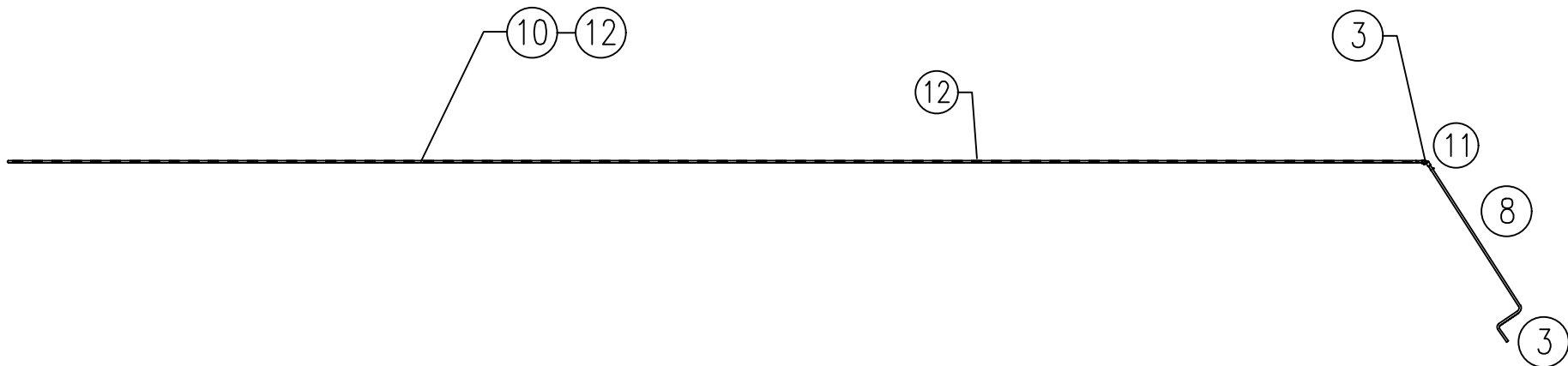
(23) aluminum channel

Overview:

Assembling side roll-up tube.

Instructions

1. Connect ten ⑩ 10' swaged tubes (drill in two ① screws at the unions to hold tubes together) and connect all appropriate pieces for ③ crank handle (including 33mm swaged insert connectors if necessary). Once film is ready to be attached to side roll-up tube, clamp on one ⑭ 4" abs cuff at every foot as shown.
2. See page 13 for details of large crank handle assembly.



- 3 large crank handle (2)
- ⑧ 8' Tubing (1)
- ⑩ 10' swaged tube (10)
- ⑪ swaged insert connector 33mm (2)
- ⑫ 4" abs cuff (75)

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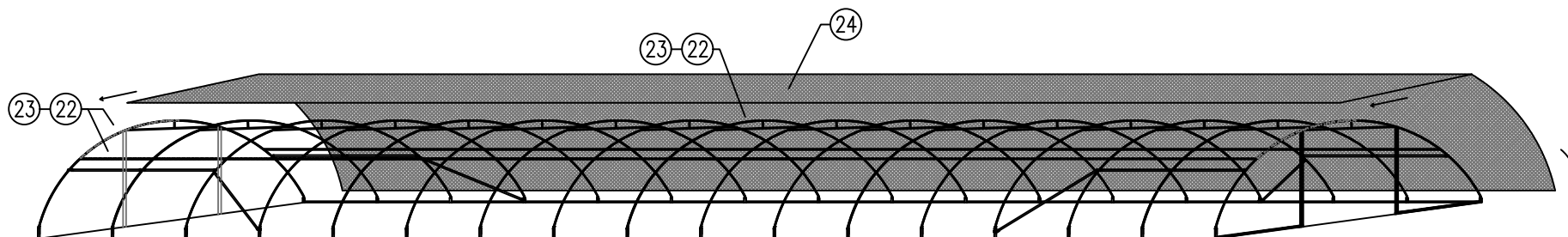


Overview:

Attaching film. Be sure to tape all corners and possible sharp edges before attaching film to prevent puncturing.

Instructions

1. Lay ②④ film over the cold frame.
2. Attach film to the last hoop (locking film into ②③ aluminum channel using ②② wiggle wire).
3. Pull the front very tight and lock film into the front hoop's ②③ aluminum channel (film must be put on tightly to prevent flapping which can cause potential tearing).
4. Attach film simultaneously on both sides so film is tight and evenly distributed.
5. Wrap up the bottom excess film to the roll-up arm assembled.
6. Trim excess film that hangs over the front and back of cold frame (allow 6" of excess flap).



- ②② wiggle wire (50)
- ②③ aluminum channel
- ②④ super premium film

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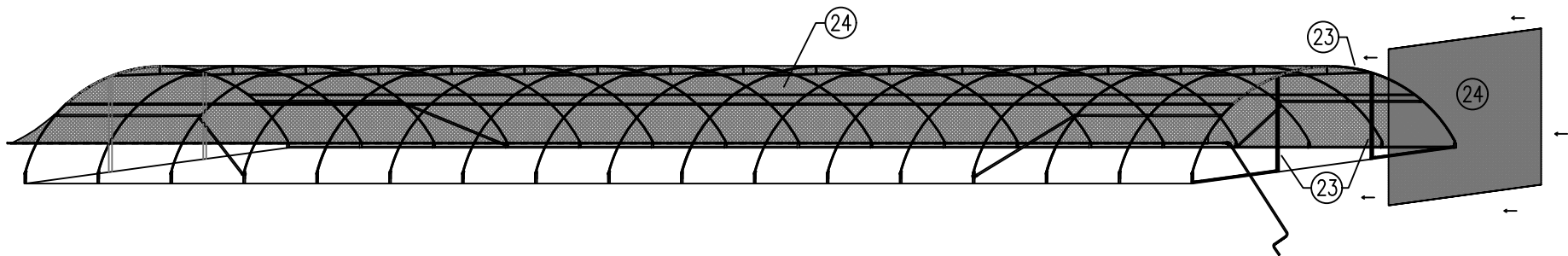


Overview:

Attaching film to cover the front and back sides.

Instructions

1. Measure the height (x) of the cold frame and add two feet to that distance (x+2').
2. Using the remainder of the film, cut two sheets to be 32' wide (assuming your roll of film is 32' wide) by x'+2' long (i.e. if the cold frame height is 13', your sheet should be 32'x15').
3. Center the sheet and lock film into (23) aluminum channels with 12" of film going upwards past the top and 12" downwards past bottom (23) aluminum channel along the ground.
4. Do for front and back ends of cold frame.



- (23) aluminum channel
(24) super premium film

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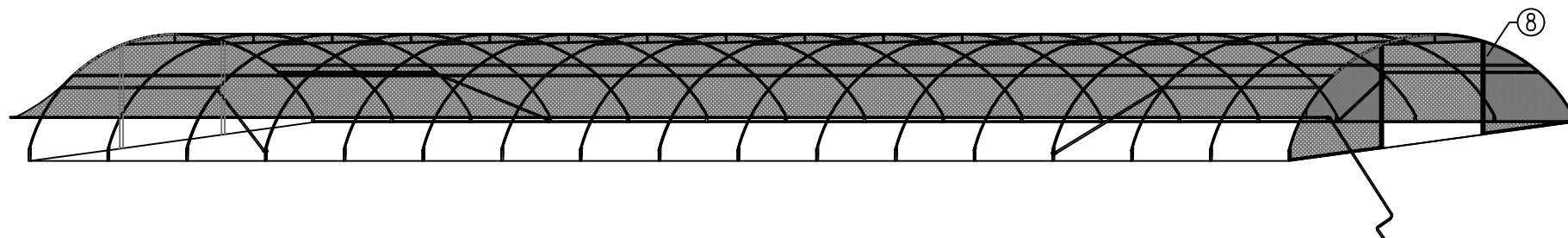


Overview:

Cutting out your front and back doors.

Instructions

1. Cut out an opening 4" in from the ⑧12' tubes and header.



⑧ 8' tube

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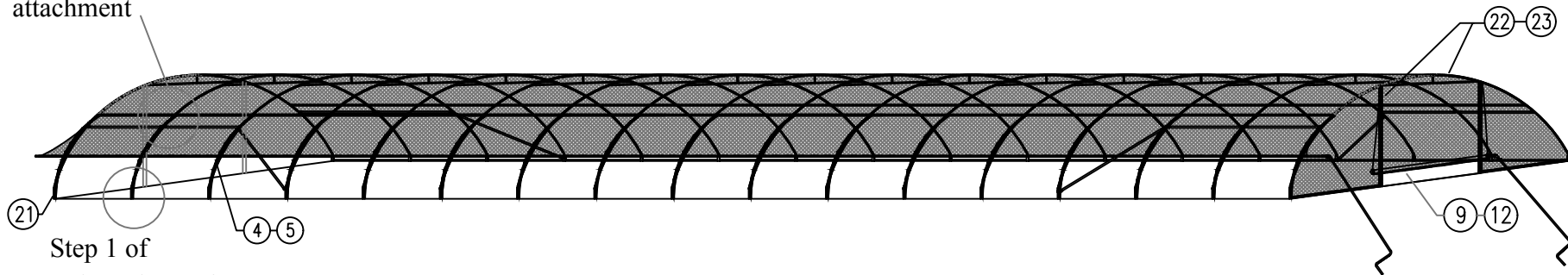
Overview:

Creating your front and back roll up doors.

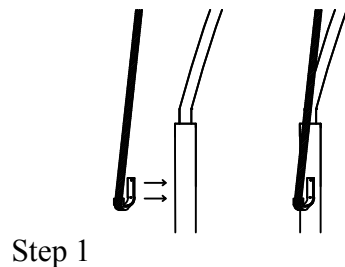
Instructions

1. From the remaining film, cut out a 10'x10' sheet.
2. Lock the top portion of the film to the (23) aluminum channel with 22 wiggle wire approximately 6" above the header.
3. Wrap up the excess bottom portion of the sheet to the (9) 12' tube using (12) 4" abs cuffs. (For crank handle assembly, see page 13).
4. Screw on (21) 42mm end "J" SDS clamp to the outside of each (5) arc, a few inches above ground with (4) poly web strip between the (21) "J" SDS clamp and the (5) arc (see illustration below, step 1).
5. Using the same strip of (4) poly web, screw the other end of the strip into (23) aluminum channel. (see illustration below, step 2).

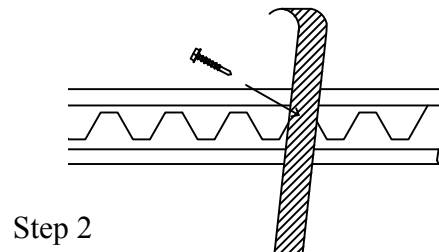
Step 2 of poly web attachment



Step 1 of poly web attachment



Step 1



Step 2

- (4) 2" poly web strap
- (5) 10' leg section
- (9) 12' tube
- (12) 4" abs cuffs
- (21) end "J" SDS strap clamp 42mm
- (22) wiggle wire
- (23) aluminum channel

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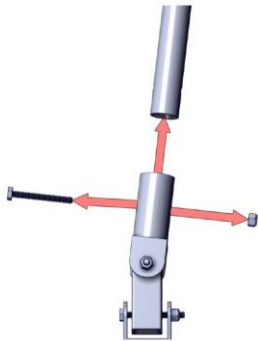
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of	12

Crank Handle Assembly



1. Large Crank Handle, remove nuts and bolts from the universal joint areas. Remove handle and set aside.



2. Insert ⑪ swaged connector into the universal joint ends.



3. Once ⑪ swaged insert connectors are in place, drill in SDS screws through both sides to secure them in place.



4. For Side Roll-Up Assembly insert the swaged connector end into the ⑧ 8' tube roll up assembly tube. Drill SDS screws to connect.



5. For the Front/Back roll-up door assembly, insert swaged connector end into the ⑨ 12' roll-up door assembly.

4 Large Crank Handle (2)

8 8' Tubing (2)

9 12' Tube

11 Swaged connector (4)