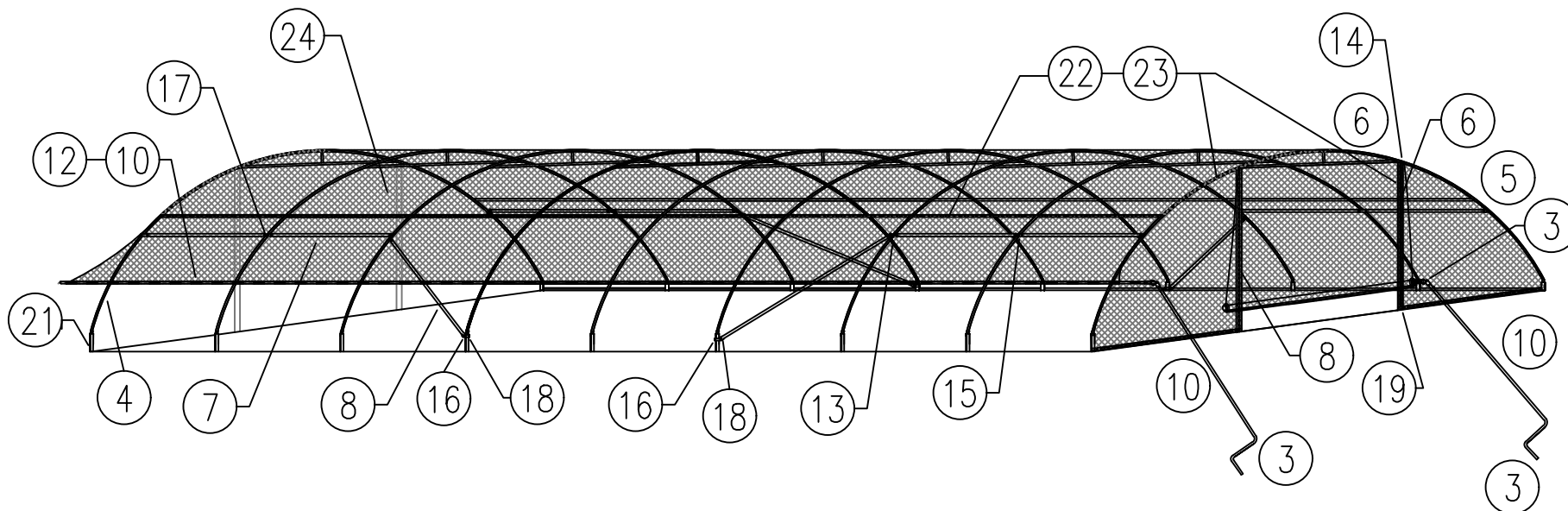




22'x48' - 1000 Series Installation Manual

Part No. 0048-1000-0221



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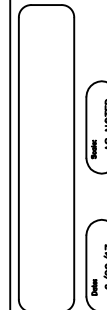
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1000 Series Kit
Lubbock, TX, USA



1000 SERIES INSTALLATION MANUAL

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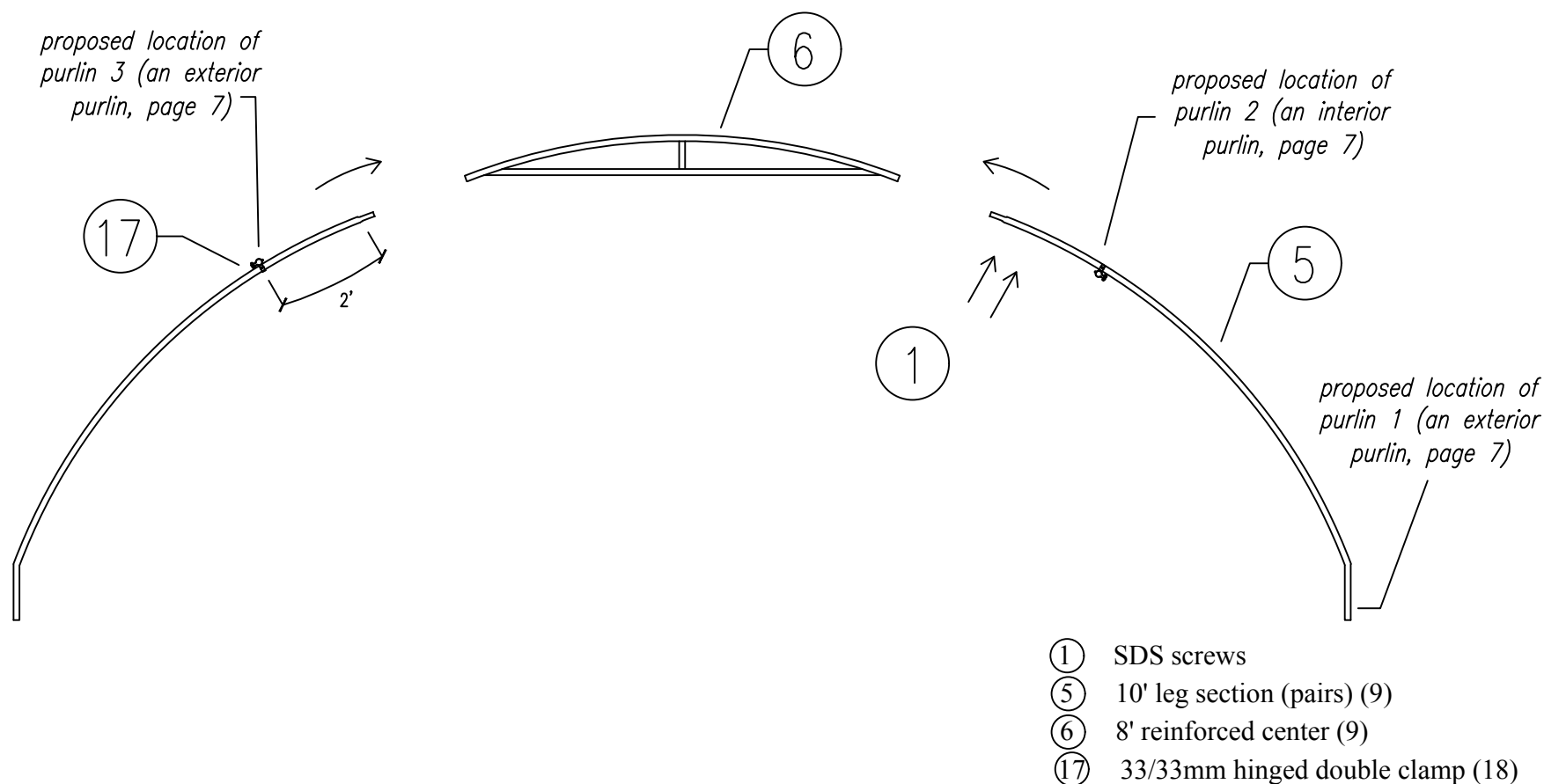
1000 SERIES INSTALLATION MANUAL

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).



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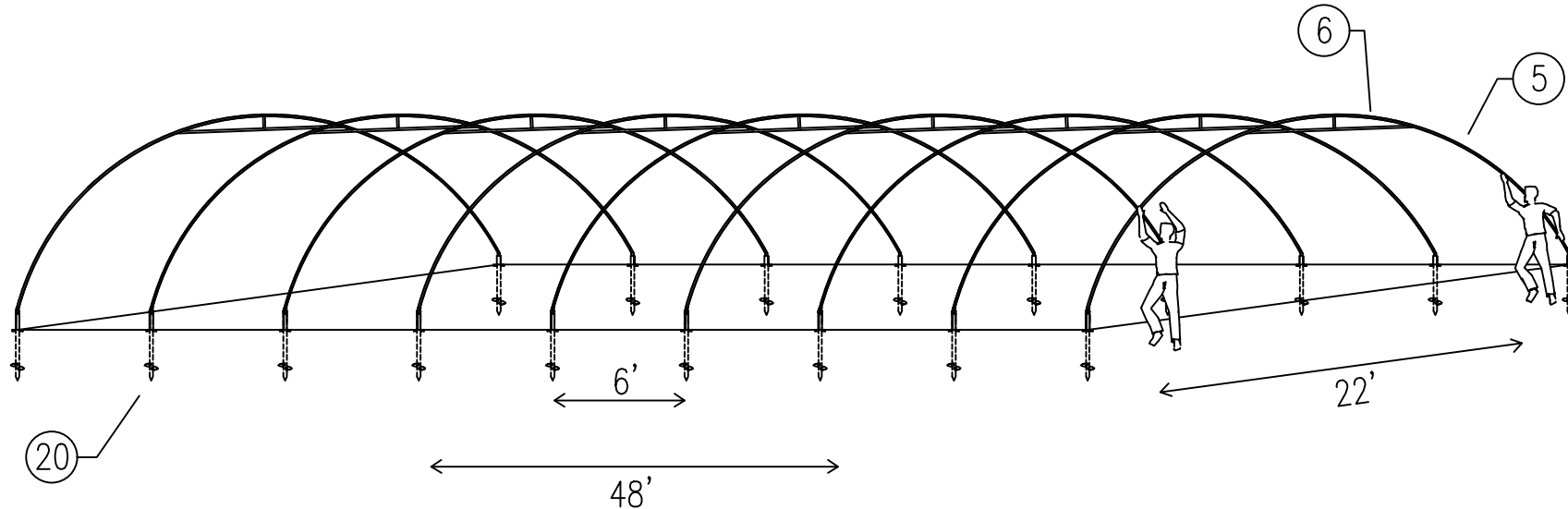
Sheet	3
of	12

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
- (6) 8' reinforced center
- (20) 36" anchor prop

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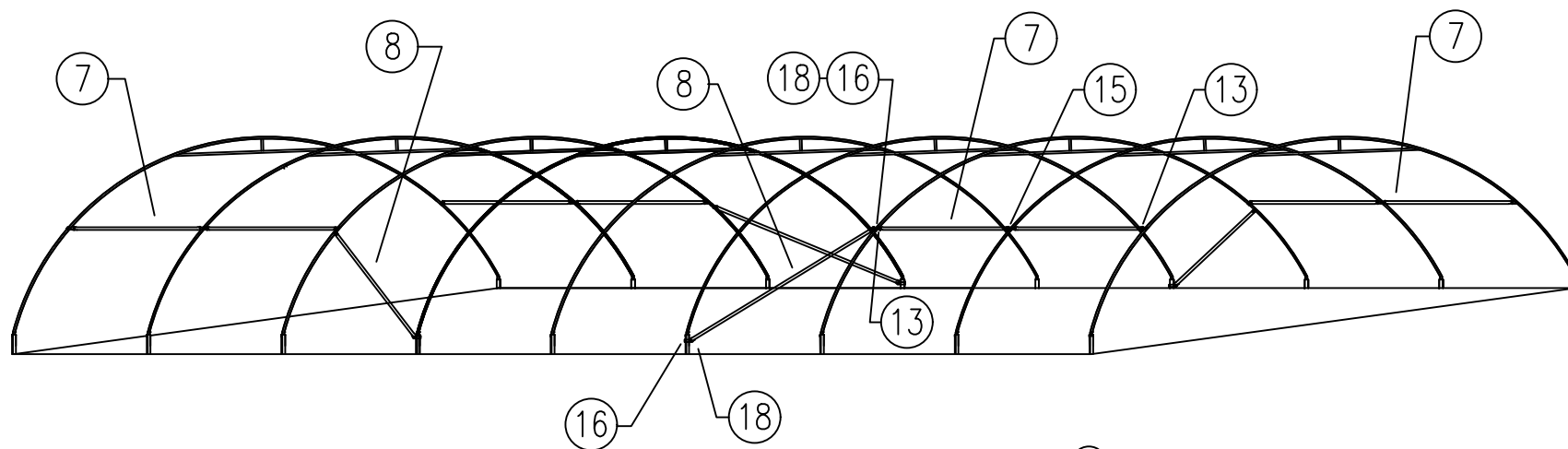
1000 SERIES INSTALLATION MANUAL

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 the 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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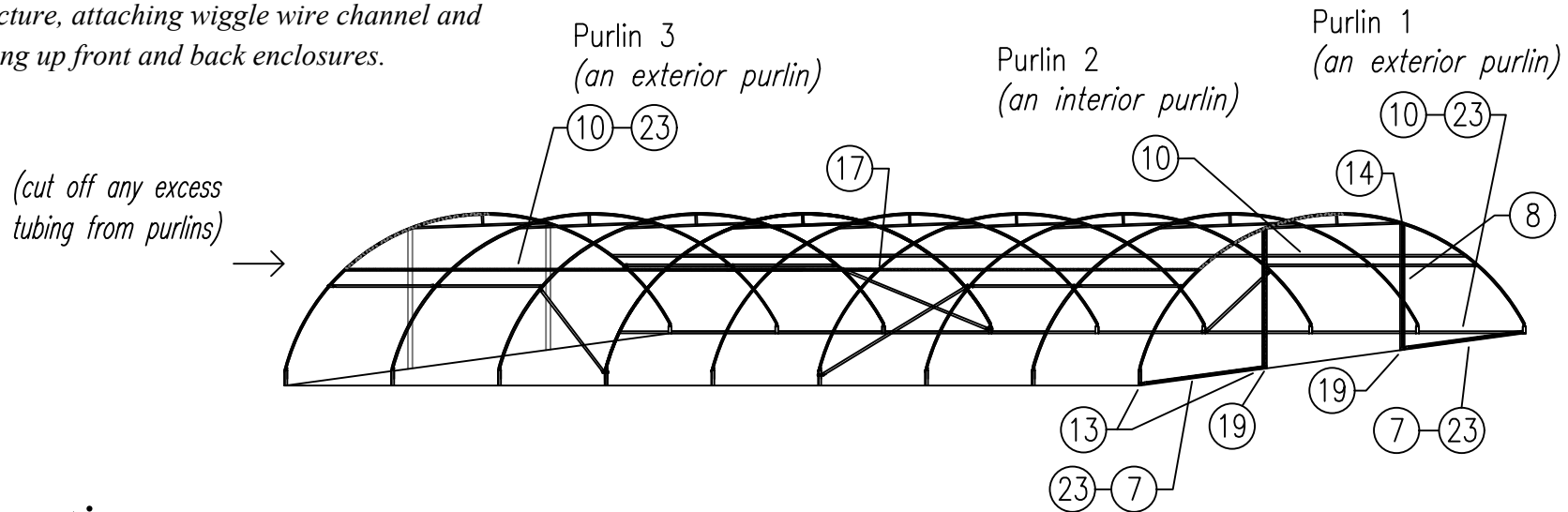


1000 SERIES INSTALLATION MANUAL

Sheet	6
Of	12

Overview:

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



Instructions

1. Connect four ⑩10' swaged tubes and one ⑧8' tube together (drill in two screws at the unions to hold tubes together) and use ⑪33/33 double-hinged clamps to attach this newly created purlin to arcs as shown. Three purlins total. *See page 3 for purlin positioning.*
2. Drill ⑫aluminum channel along the top side of the first and last arcs as well as on the exterior purlins as shown.
3. Gather four ⑦6' tubes and drill on ⑫aluminum channel to the tubes beginning at 12" in from both ends.
4. Using ⑬straight clamp 33/33mm, connect prepped ⑦6' tubes to the first and last pairs of leg sections.
5. Drive ⑰prop stops into ground and insert ⑧8' tubes at the appropriate distance so that they can be connected by the prepped 6' tubes using ⑬straight clamp 33/33mm.
6. Cut both 8' tubes approximately ½" below the hoop. Attach the top of the the 8' tubes to the hoop using the ⑭oblique clamps.

⑦ 6' tube (4)

⑧ 8' tube (7)

⑩ 10' swaged tube (12)

⑬ straight clamp 33/33mm (8)

⑭ 33/33mm oblique clamp (4)

⑰ 33/33mm double-hinged clamps (9)

⑰ prop stop (4)

⑫ aluminum channel (24)

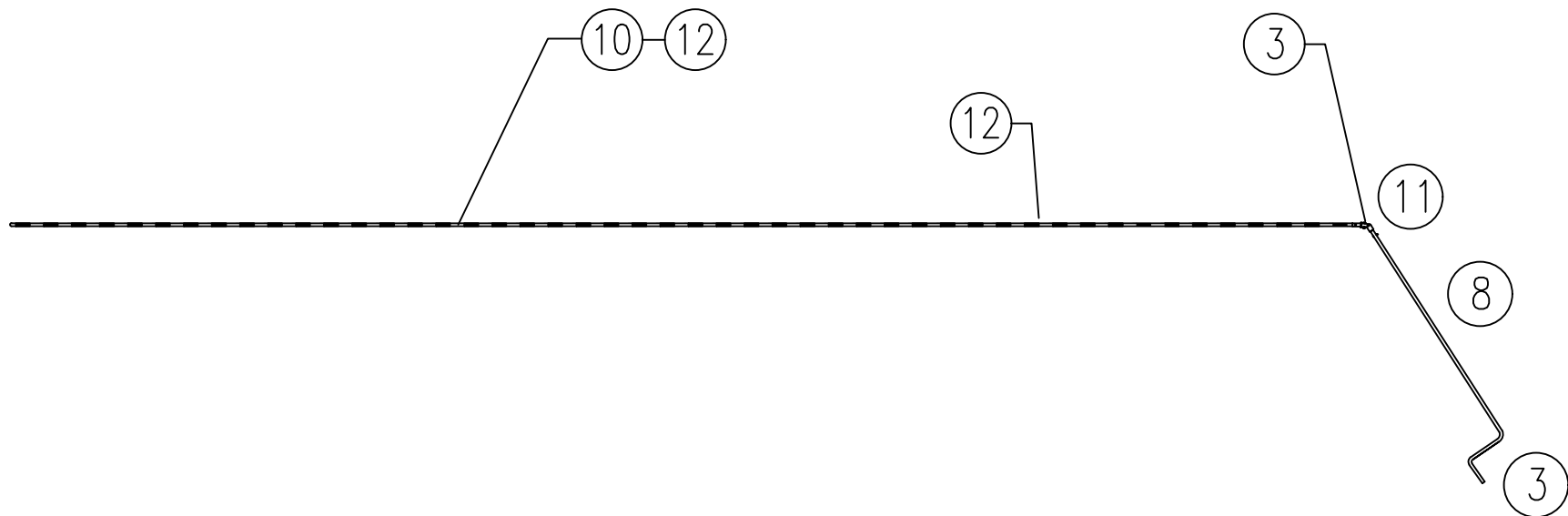


Overview:

Assembling side roll-up tube.

Instructions

1. Connect five ⑩10' swaged tubes (drill in two ⑪ screws at the unions to hold tubes together) and connect all appropriate pieces for ③crank handle (including 33mm swaged insert connectors if necessary). Once film is ready to be attached to side roll-up tube, clamp on one ⑫4" abs cuff at every foot as shown. See page 13 for details of Large Crank Handle assembly.



- ③ large crank handle (1 for each roll up)
- ⑧ 8' tubing (1)
- ⑩ 10' swaged tube (5)
- ⑪ swaged insert connector 33mm (2)
- ⑫ 4" abs cuff (36)

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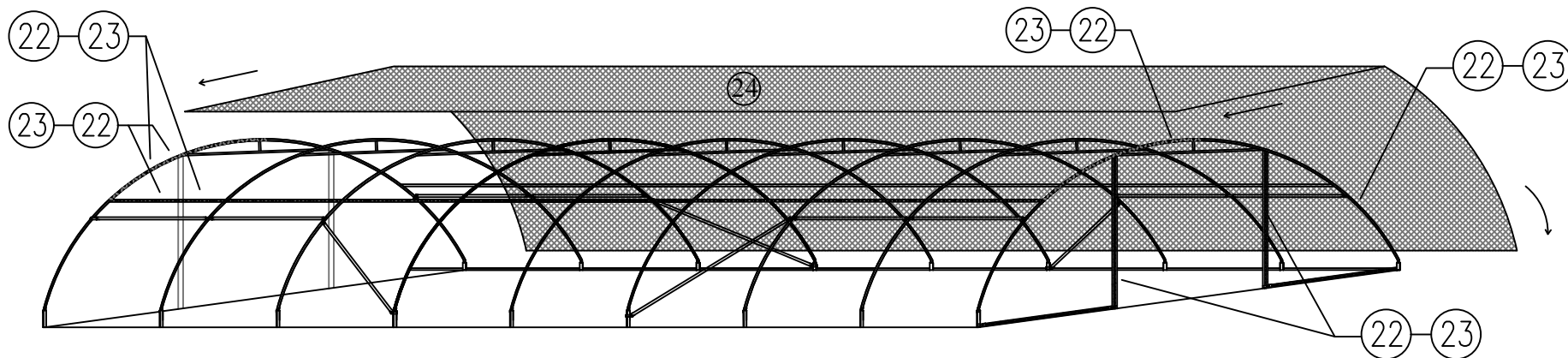


1000 SERIES INSTALLATION MANUAL

Sheet	8
Of	12
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Attaching film. Be sure to tape all corners and possible sharp edges before attaching film to prevent puncturing.

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 (30)
- ②③ aluminum channel
- ②④ super premium film

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Order

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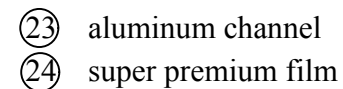
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1000 SERIES INSTALLATION MANUAL

Attaching film to cover the front and back sides.

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.



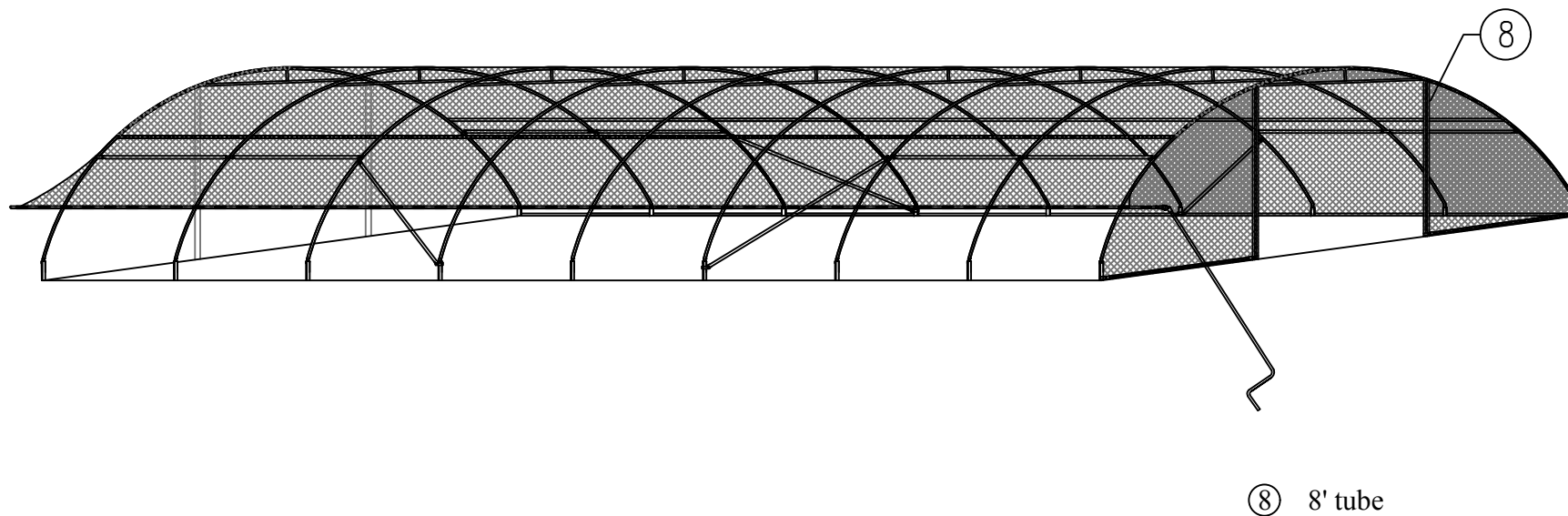
Sheet 10
Of 12 Sheets

Overview:

Cutting out your front and back doors.

Instructions

1. Cut out an opening 4" in from the ⑧ 8' tubes and header.



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1000 Series Kit
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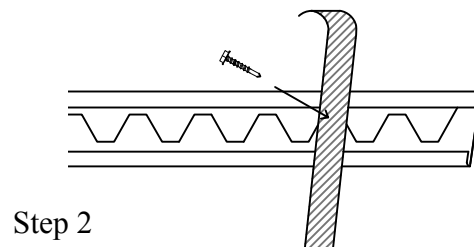
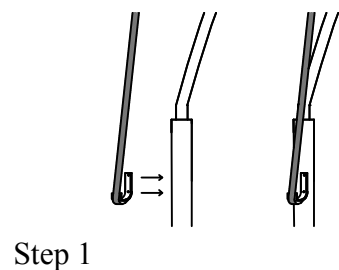
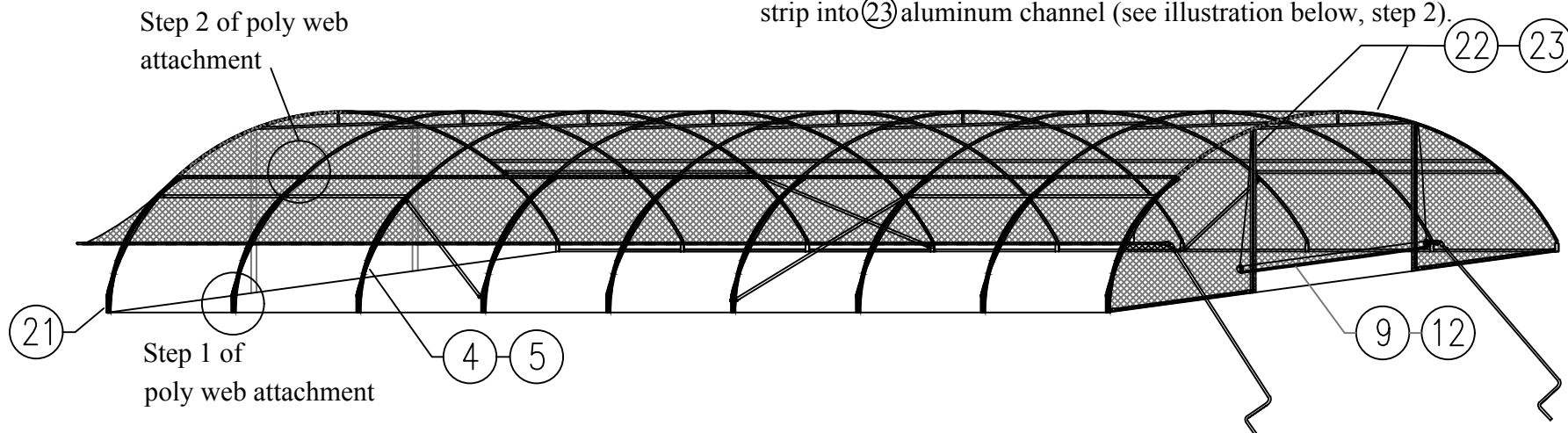
1000 SERIES INSTALLATION MANUAL

Overview:

Creating your front and back roll up doors, and attaching poly web strap along with end SDS clamps.

Instructions

1. From the remaining film, cut out a 10'x10' sheet.
2. Lock the top portion of the film into the 23 aluminum channel with 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).



- ④ 2" poly web strap (164)
- ⑤ 10' leg section (2)
- ⑨ 12' tube
- ⑫ 4" abs cuffs (36)
- ⑫ end "J" SDS strap clamp 42mm (18)
- ⑫ wiggle wire (40)
- ⑫ aluminum channel

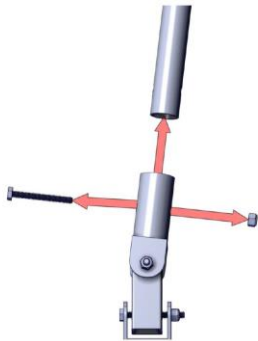
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Crank Handle Assembly



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)