

X-16 Decon Set up Instructions

Note: all diagrams and photos can be found at the end of this document

Shelter Setup

1. Assemble the X-16 shelter according to the instructions provided with the shelter.
2. Replace the standard X-Series end walls for the 3 door Decon endwalls included in your Decon kit.
3. Do not install an insulation liner as it is not compatible with the decontamination insert.
4. Ensure the shelter is properly secured using the provided windlines.

Decon Insert Setup

5. Retrieve the containment berm from the decon kit and lay it out in the center of the erected shelter. **Diagram 1**
6. Retrieve the raised drainage floor from the decon kit and place it on to the berm. **Diagram 2**
7. Retrieve the 3 sections of the decon insert. You will have 2 outside sections and 1 center section.
8. Unfold the sections and lay underneath the frame of the shelter. **Photo 1**

Refer to DIAGRAM 3 for strap connection locations. Keep all strap connections loose.

9. Starting with the center section, clip and buckle the straps labeled A to the header bar of the shelter frame. **Diagram 3 & Photo 2**
10. Retrieve each side section and connect the A labeled straps to the center frame arch as shown in **Diagram 3**
11. Connect the B labeled straps on the outside sections to the purlin bar. **Diagram 3**
12. Connect the C labeled strap on the outside sections up and over the upper purlin bar and buckle to the opposite outside decon section. **Diagram 3**
13. Connect the D labeled strap around the header bar at the endwall and reconnect to buckle on the center section. **Diagram 3**
14. Connect the plumbing attachment on the center sections to the outside sections using the quick connect fittings. **Photos 3 & 4**
15. Connect the outside sections to the center by attaching the vertical zippers. **Diagram 4**
16. Adjust the overhead "A" straps so that the roofline of the decon unit sits level and is not bunched up or sagging. **Photo 5**
17. Zip the overhead horizontal zipper on each outside section to the center section. **Diagram 4**

18. Move around the outside of the decon unit and adjust/tighten Straps B, C, D so that the unit is sitting level and evenly distributed.

19. Connect the "E" labeled strap to the corner connection location on the frame.

Diagram 3

20. Connect the privacy walls from the decon unit to the hook and loop flange on the 3 door endwall. **Photo 6**

Containment Berm Set up

21. Beginning at the corners of the berm, fold up the adjacent walls and tuck the excess material into the berm. Pass the strap around the corner and through the D-Ring on the berm wall and then back towards the start of the strap to secure the hook and loop connection. **Photo 7, 8, & 9**

22. Fold up the support buttresses by connecting the adjacent hook and loop planes to form a triangular brace. Complete each buttress around the entire berm.

Photo 10 & 11

23. Maneuver the berm into position so that the entire decon unit fits within the interior of the containment berm. **Photo 12**

Water Supply/ Sprayers

24. Connect a potable tepid water supply to the water supply inlet on the end of the plumbing harness. **Photo 13**

25. Connect the six (6) coil hose hand sprayers to the quick disconnect fittings on the inside of the decon unit bays. Each bay has two(2) connection ports. **Photo 14 & 15**

26. Turn the valve at the water supply inlet to the on position(inline with hose) to begin the flow of water to the system. **Photo 16**

Contaminated Water Collection

27. Place the drain strainer hose into the lowest area of the berm. **Photo 17**

28. Connect the strainer hose to the inlet port of the drain pump. **Photo 18**

29. Connect the check valve to the outlet port of the drain pump. **Photo 19**

30. Connect the outlet of the check valve to a drain hose. Drain hose should be connected to a suitable containment/collection system. Contaminated water should be collected according to local requirements. **Photo 20**

31. Connect drain pumps to the drain pump switch and then connect to a power supply. **Photo 21**

Operating the System

1. Open all sprayers.

2. Open (inline with hose) the valve on the plumbing water inlet.
3. Allow all air to be purged from the system.
4. Turn off each sprayer.

The system is primed for supplying water to the decon system.

5. Once water is flowing through the system, operate the drain pumps as needed to clear water from the containment berm. Drain pumps operate on a timer switch to prevent them from running dry for extended periods of time and cause damage to the pump unit.

Striking the Decon System

1. Rinse down the interior of the decon unit to remove any remaining contaminants
2. Rinse entire exterior of the decon unit to remove any remaining contaminants
3. Neutralize any remaining contaminants using an appropriate decontamination solution for the selected mission or decon event.
4. Re-rinse the entire interior and exterior of the decon unit until clean.
5. Disconnect the plumbing fixture from the water supply.
6. Purge all water lines by opening all spray nozzles and pushing compressed air through the system until no water comes out.
7. Properly dispose of all contaminated waste water according to local regulations.
8. Wipe down or air dry the entire decon unit until completely void of any moisture.
9. Once the unit is dry, disconnect horizontal zippers connecting the center and outside sections.
10. Disconnect the vertical zippers connecting the center section and outside sections.
11. Disconnect the quick connect plumbing fittings.
12. Disconnect the quick connect sprayers from the inside of the decon units.
13. Disconnect the privacy walls from the 3 Door endwalls.
14. Disconnect B, C, D, and E labeled straps.
15. Disconnect A labeled strap from each decon section and lower the material to the ground.
16. Fold sections according to the folding diagram.
17. Replace decon sections into supplied carry bags.

Striking the Contamination Berm

1. Remove all contaminated waste water from the containment berm.
2. Neutralize any remaining contaminants using an appropriate decontamination solution for the selected mission or decon event.
3. Rinse down the interior of the decon unit until clean.
4. Remove rinse water from the containment berm.
5. Detach berm wall buttresses so that the berm lays flat.

6. Rinse both sides of the containment berm with water.
7. Dry both sides of the containment berm completely.
8. Fold and store.

Decon Component Folding

Center Lane

1. Lay out the center lane so that the interior of the unit is facing up fold along the short axis. **Diagram 6**
2. Fold the unit in half from the bottom along the short axis. **Diagram 7**
3. Fold the vinyl into thirds along the long axis. **Diagram 8**
4. Make several folds from the bottom(open end) starting at roughly 12" so that the unit fits into the provided carry bag. **Diagram 9**

Outside Lane

1. Lay the outside lane flat on the ground with the decon section facing up and privacy dividers pull out to the sides. Tuck in the doors with an inward fold. Tuck in the roof with an inward fold. **Diagram 10**
2. When tucking in the doorways, make sure the privacy panel is laying flat with the fold and not bunched up inside the unit. **Diagram 11**
3. The doorway zippers should align with each other. **Diagram 12**
4. Fold the privacy dividers over top of the decon section. **Diagram 13**
5. Fold the entire unit in thirds along the long axis. **Diagram 14**
6. Make several folds from the bottom(open end) starting at roughly 12" so that the unit fits into the provided carry bag. **Diagram 15**

Containment Berm

1. Lay the containment berm flat on the ground with the interior facing up and all shoring buttresses released and tucked under the berm. **Diagram 16**
2. Fold in half along the short axis. **Diagram 17**
3. Fold in thirds, starting from the folded end, using the segmented panels to determine the fold lengths. **Diagram 18**
4. Fold the corners of the closed end inward to form two right angle triangles. **Diagram 19**

5. Fold one triangle over the other. **Diagram 20**
6. Wrap the remaining material around the folded portion. **Diagram 21**

Diagrams

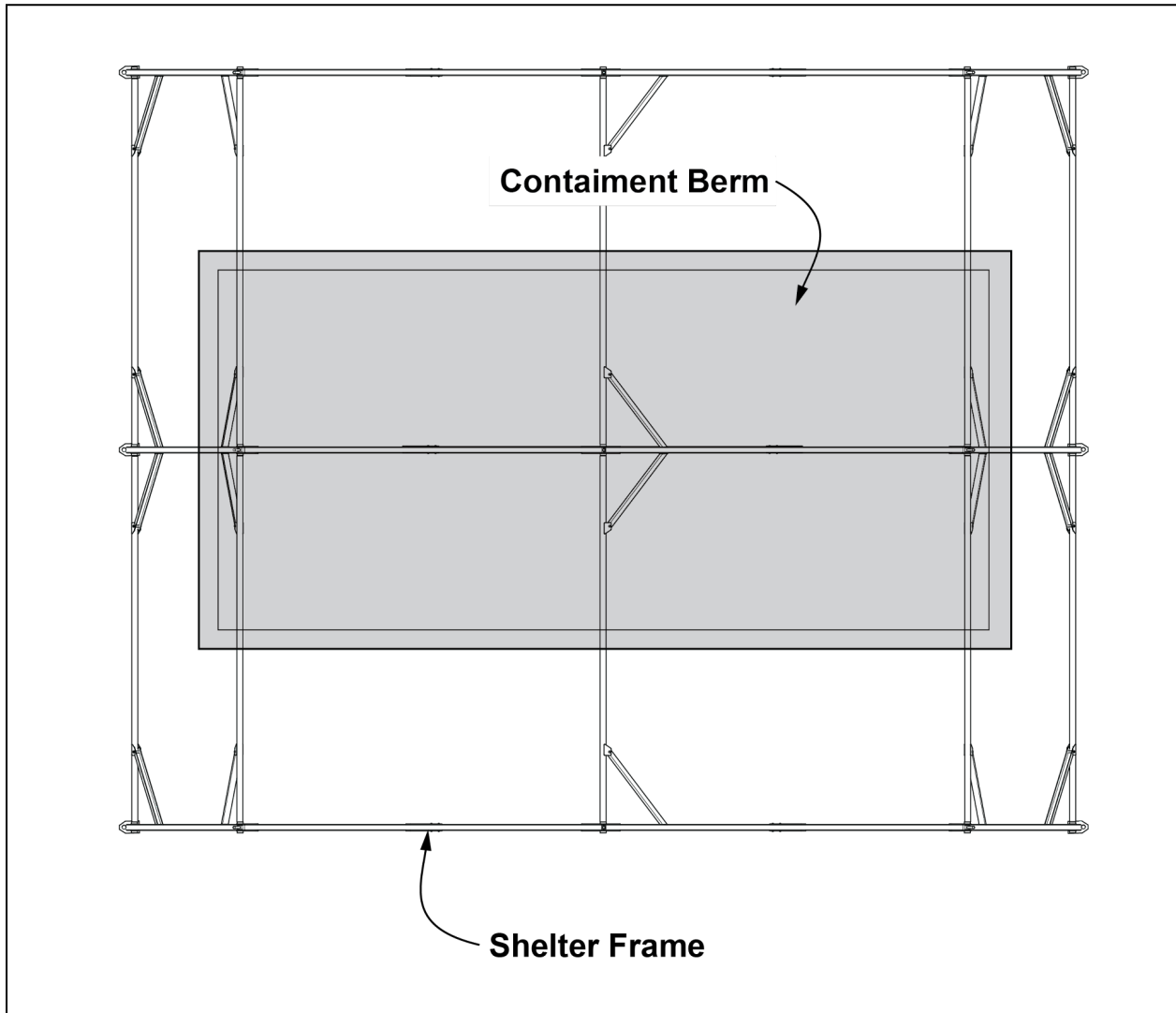


Diagram 1 Containment Berm Placement

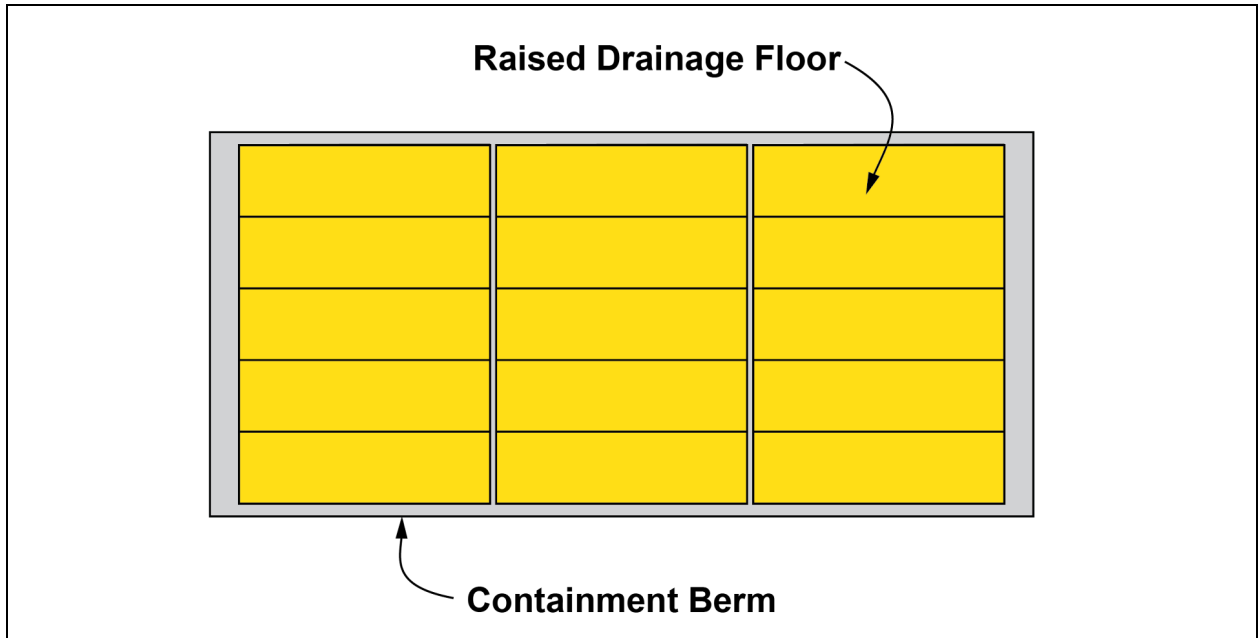


Diagram 2 Drainage Floor Placement

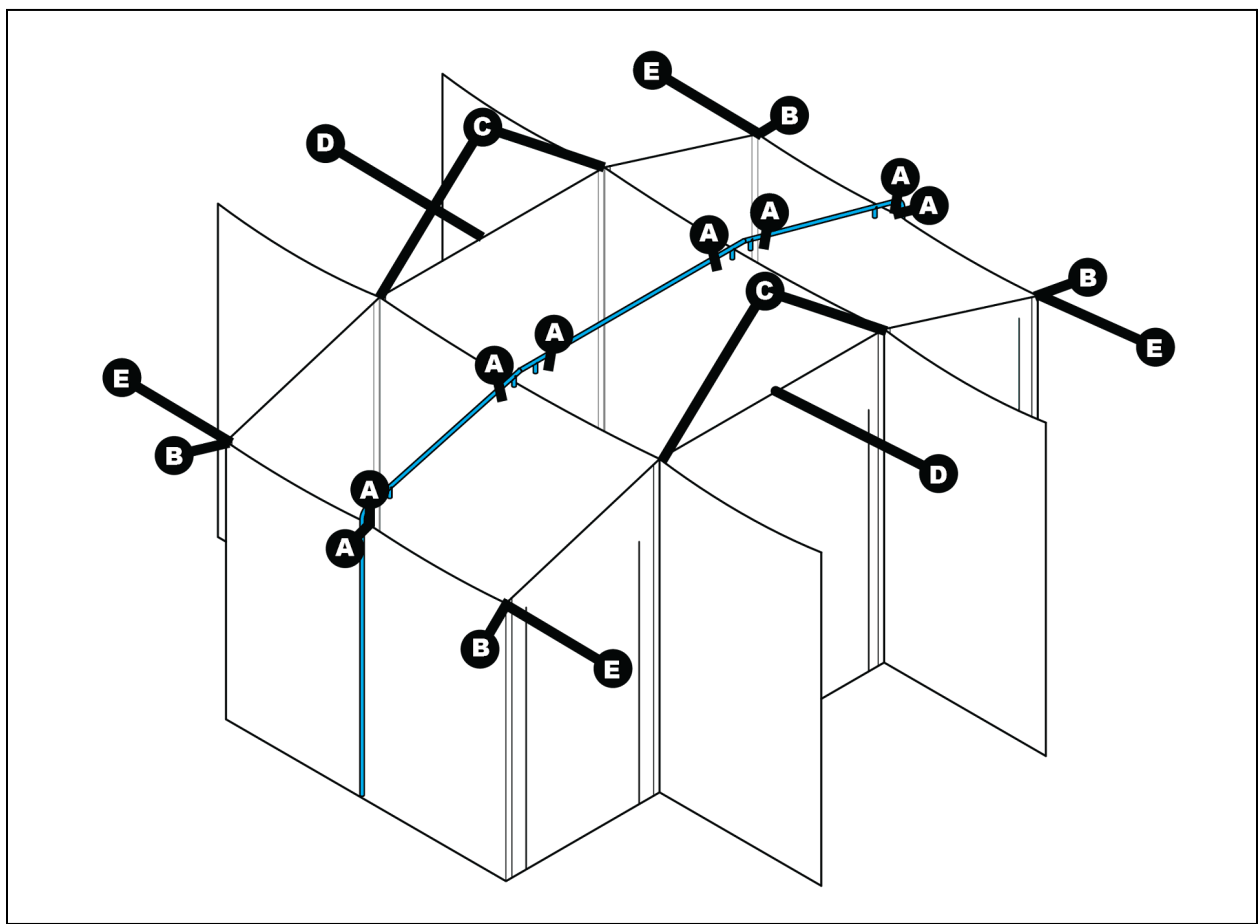


Diagram 3 Strap Identification and Connection Points

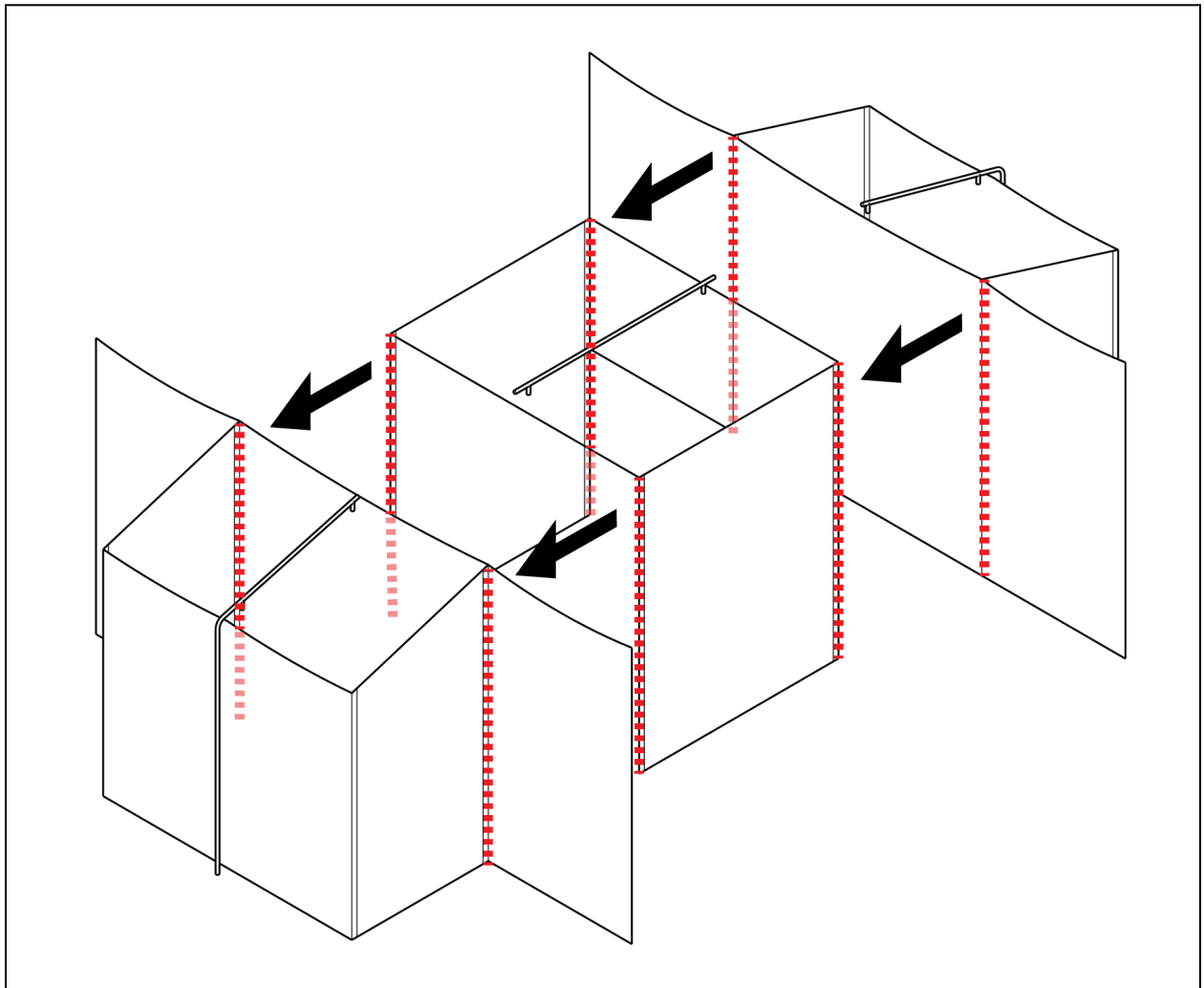


Diagram 4 Zipper Connections

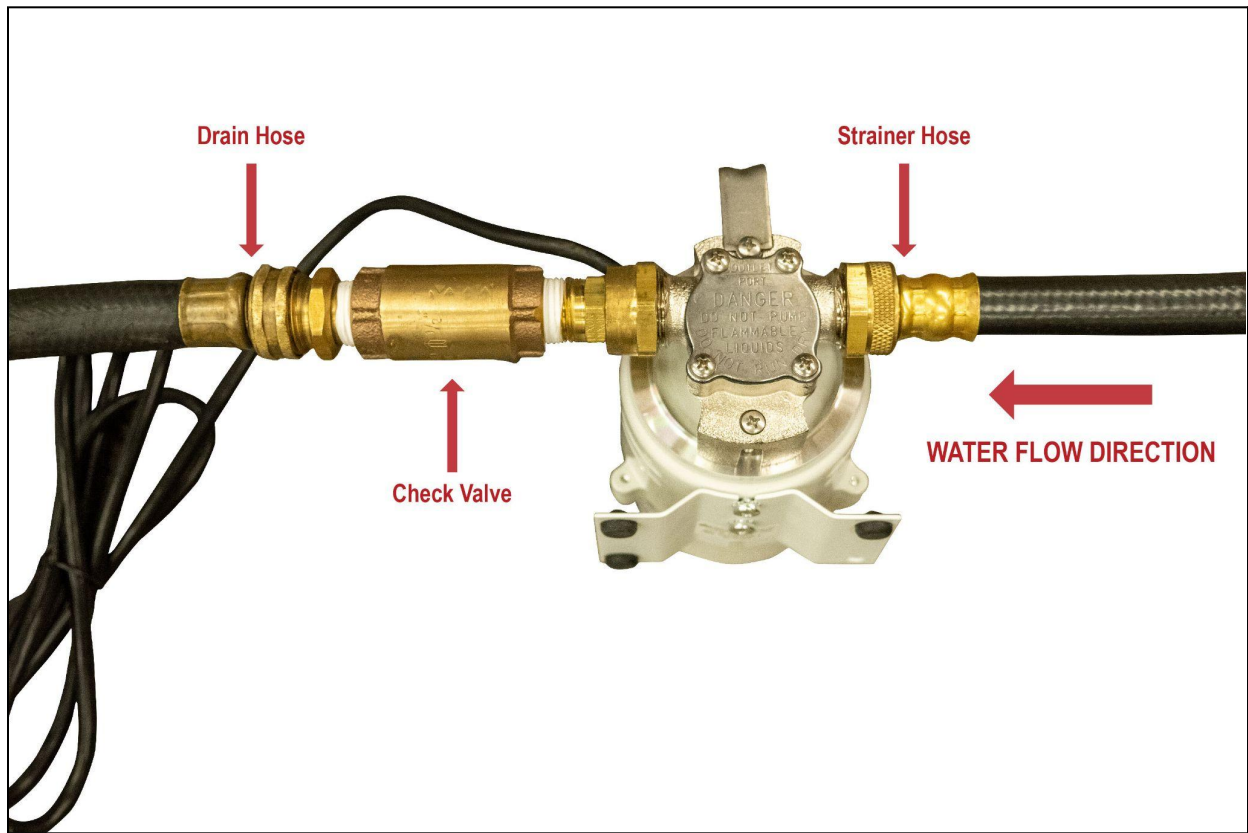


Diagram 5 Drain component configuration

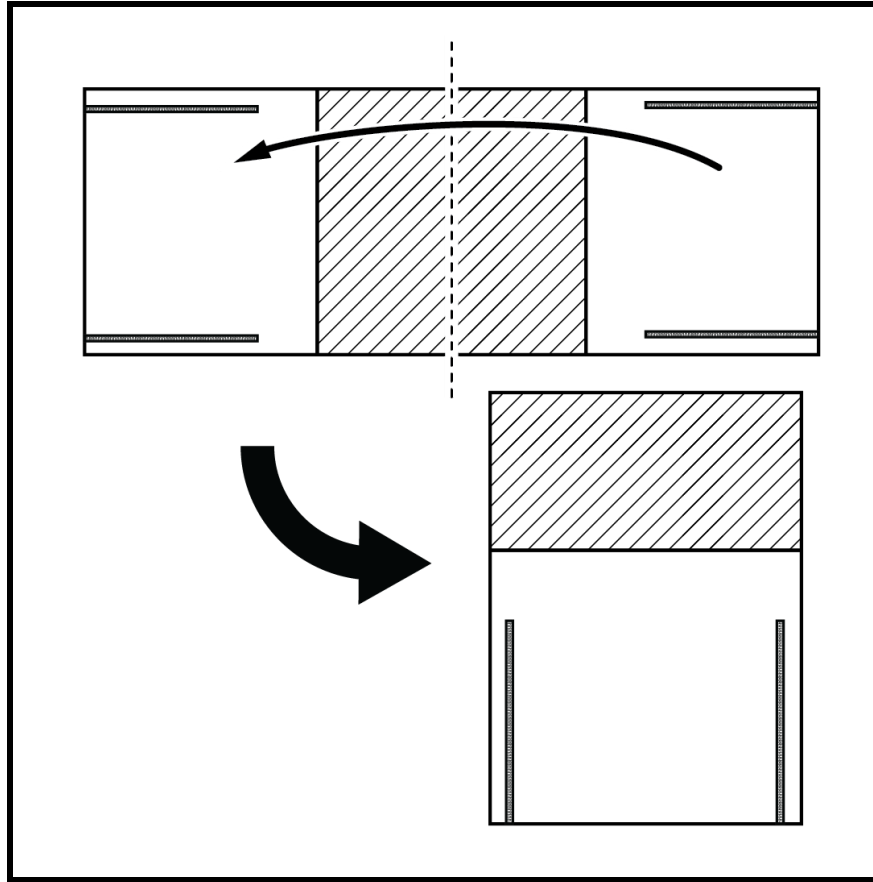


Diagram 6 Folding the Center Lane

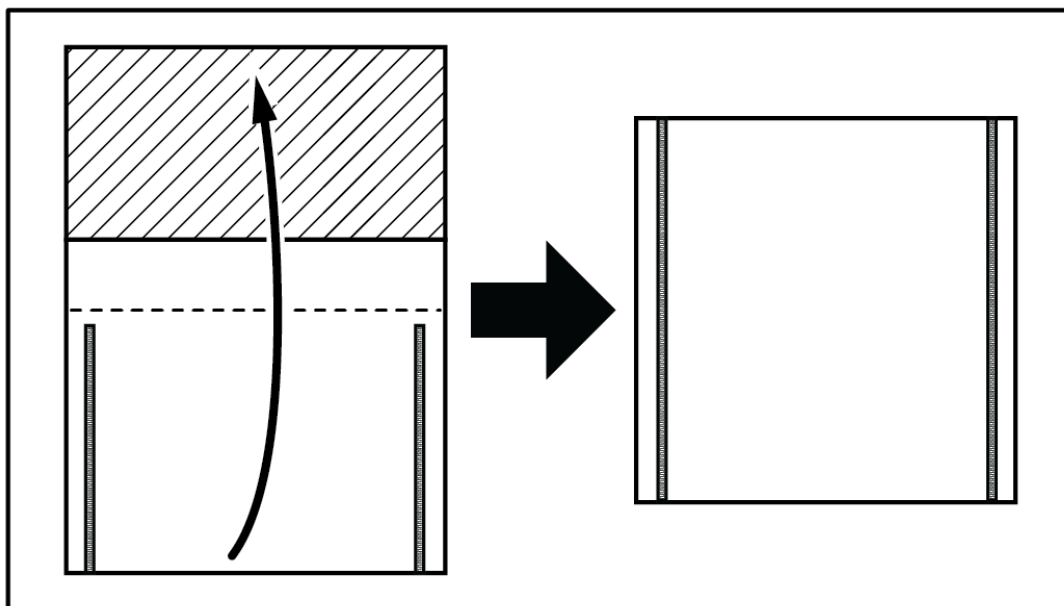


Diagram 7 Folding the Center Lane

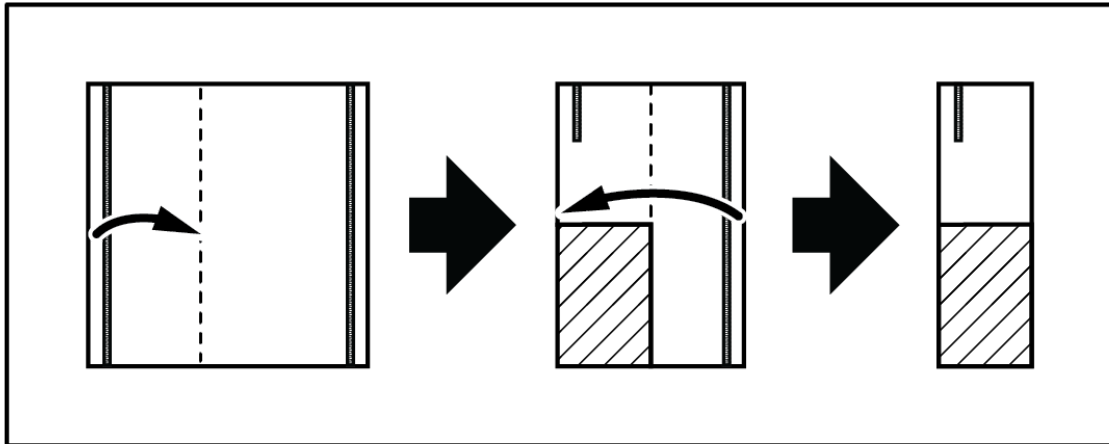


Diagram 8 Folding the Center Lane

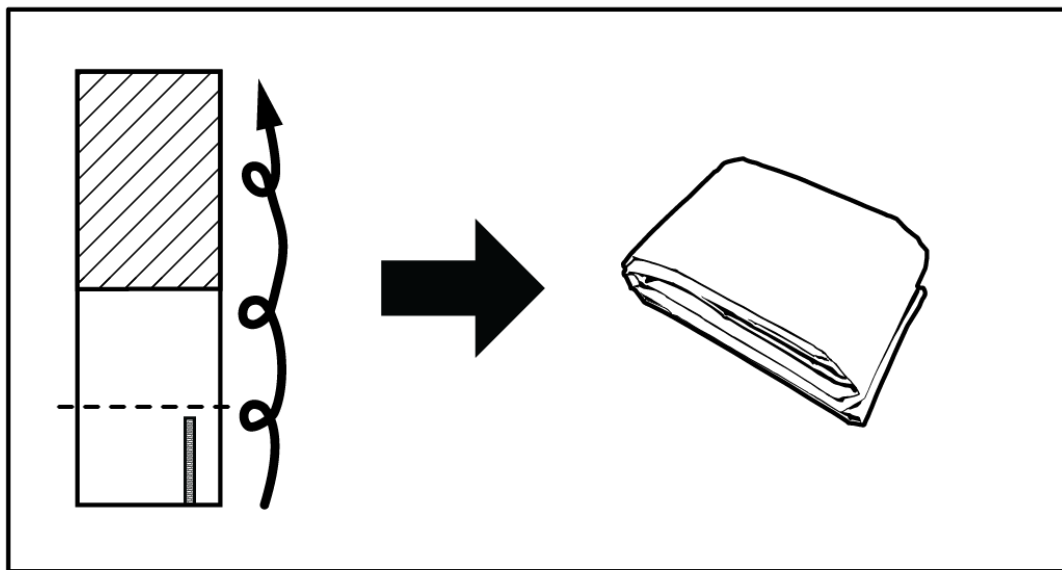


Diagram 9 Folding the Center Lane

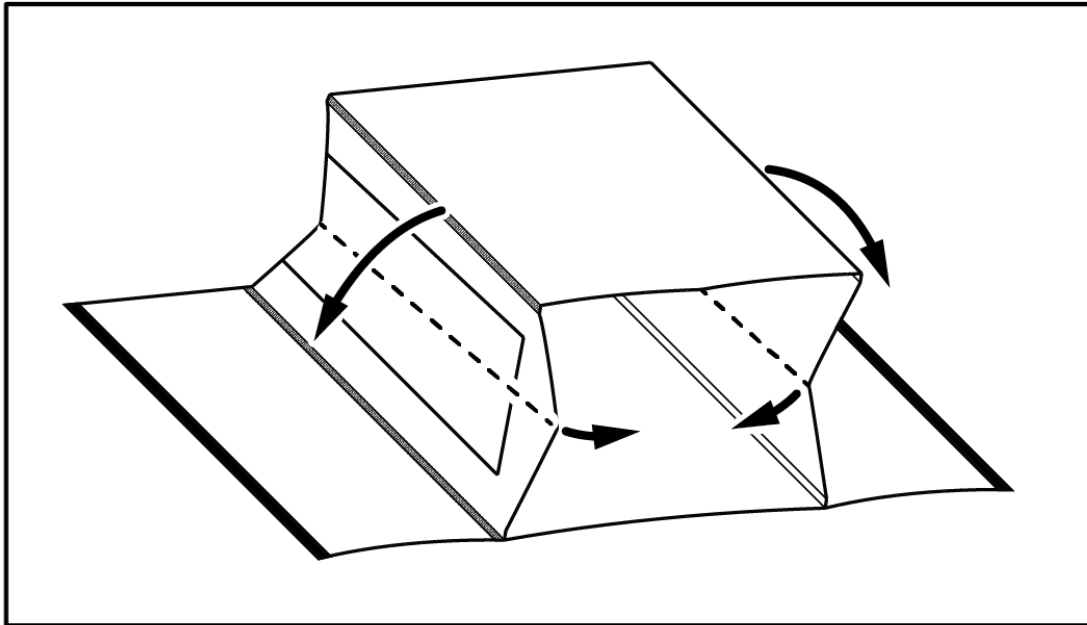


Diagram 10 Folding the Outside Lanes

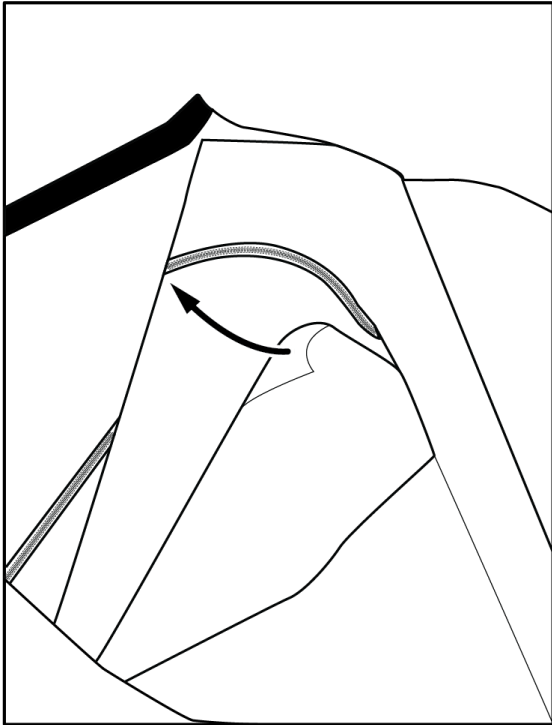


Diagram 11 Folding the Outside Lanes

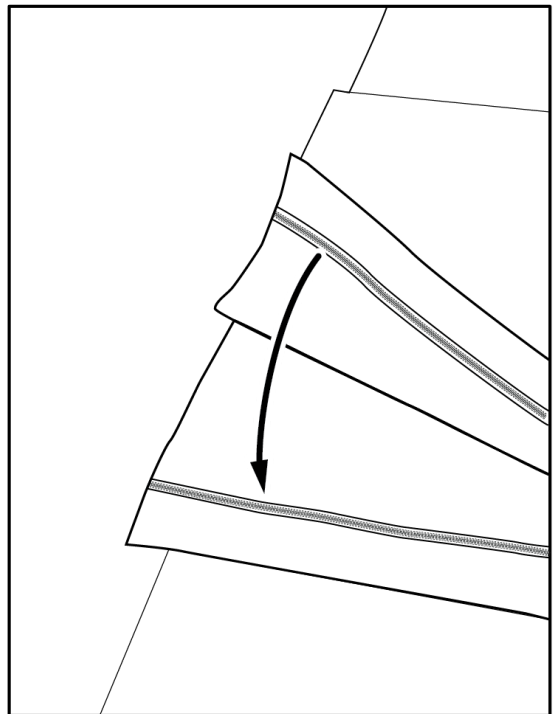


Diagram 12 Folding the Outside Lanes

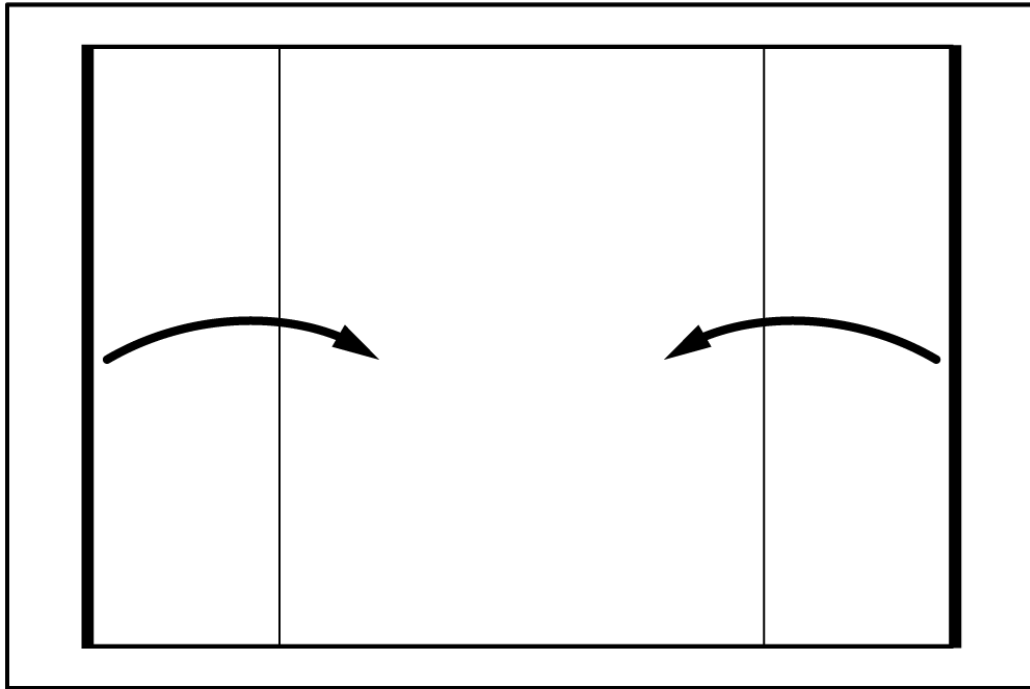


Diagram 13 Folding the Outside Lanes

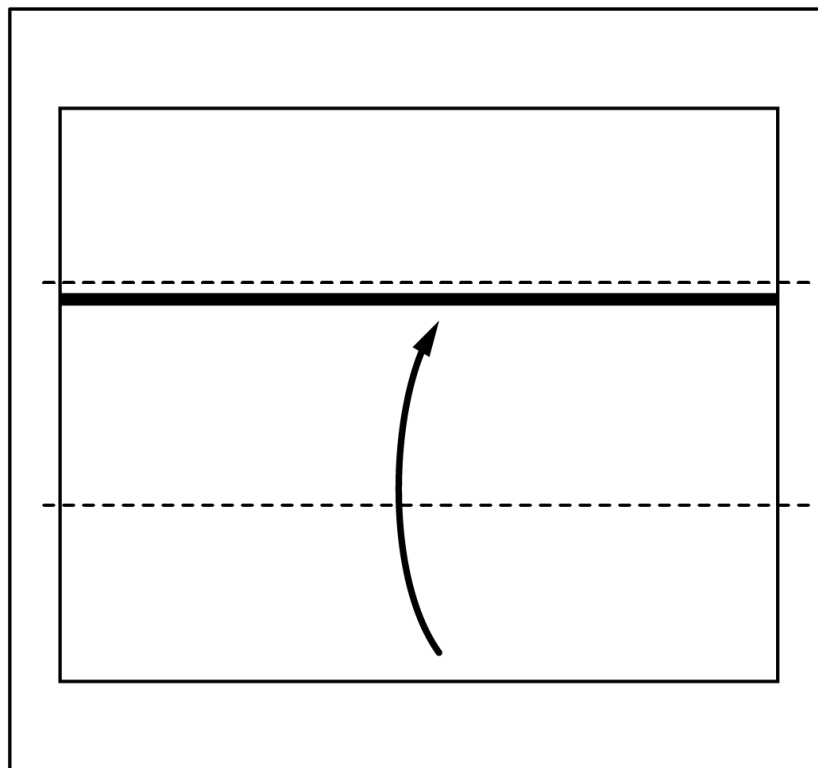


Diagram 14 Folding the Outside Lanes

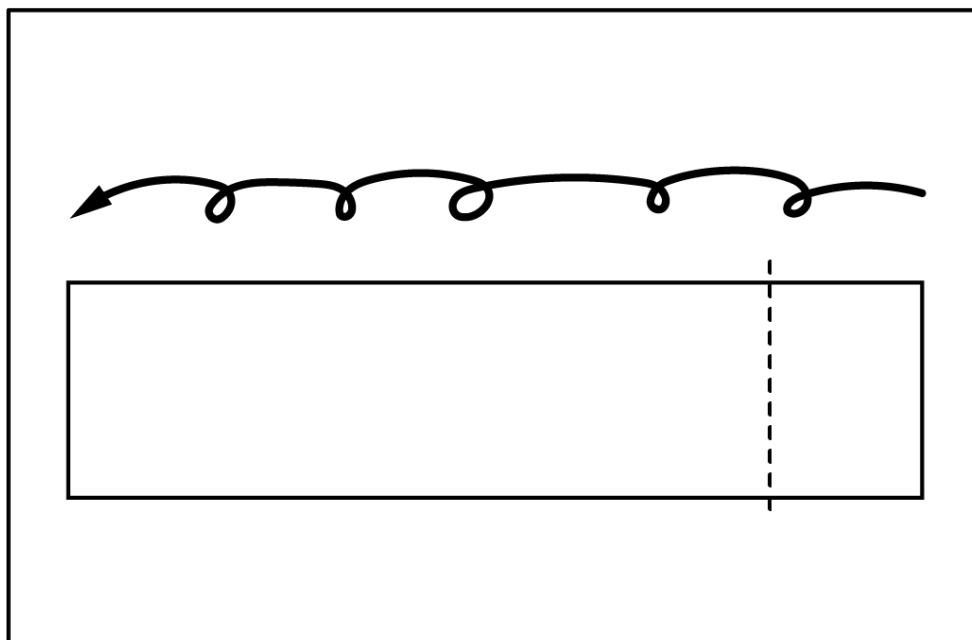


Diagram 15 Folding the Outside Lanes

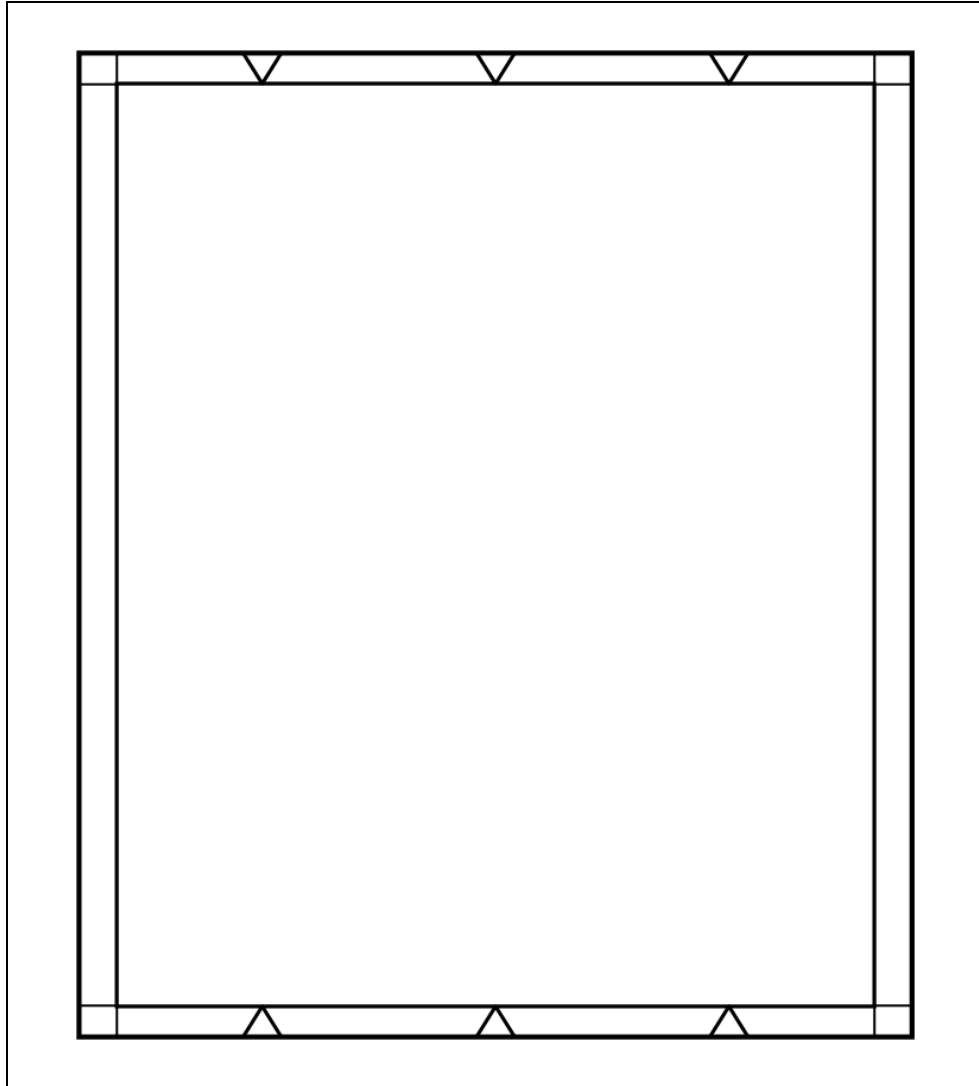


Diagram 16 Folding the Containment Berm

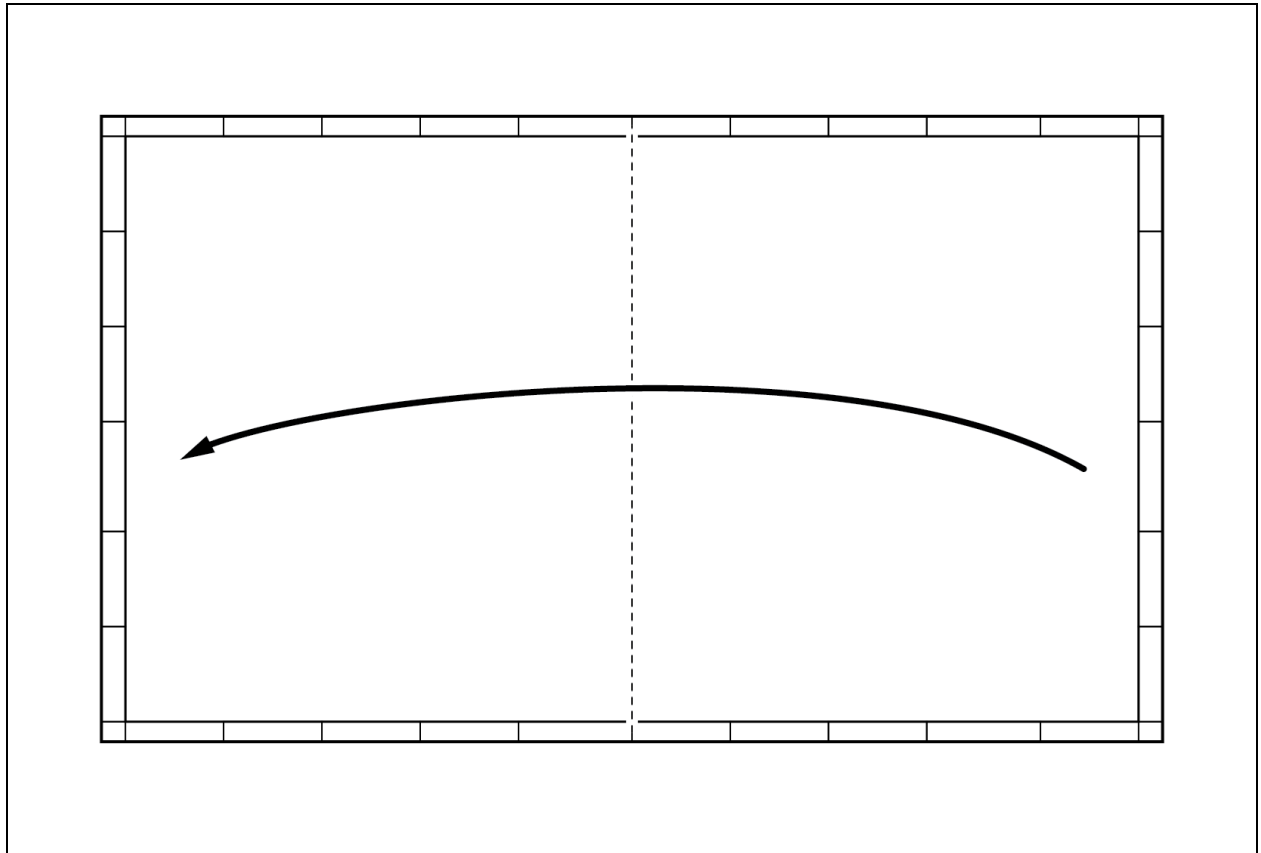


Diagram 17 Folding the Containment Berm

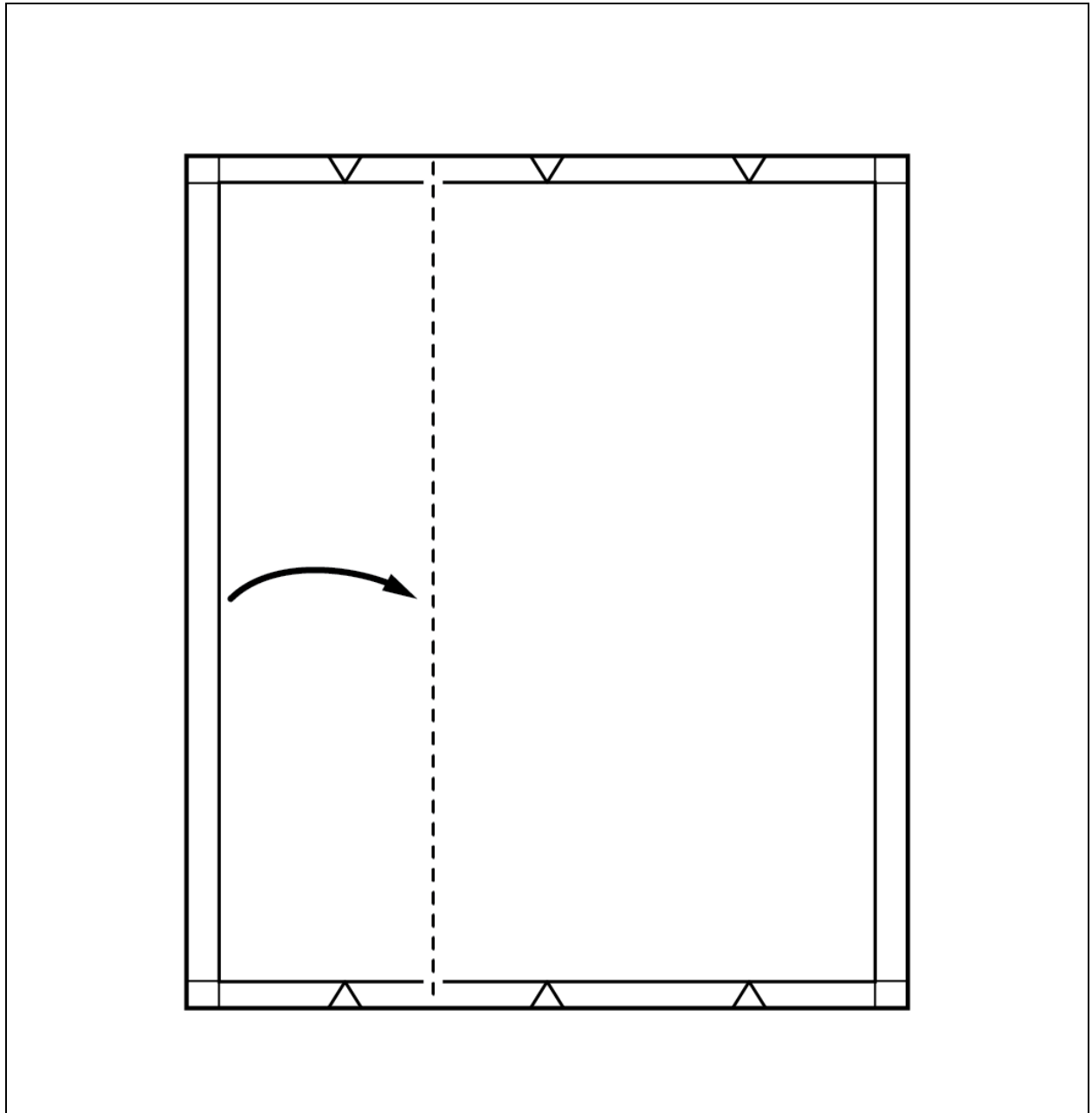


Diagram 18 Folding the Containment Berm

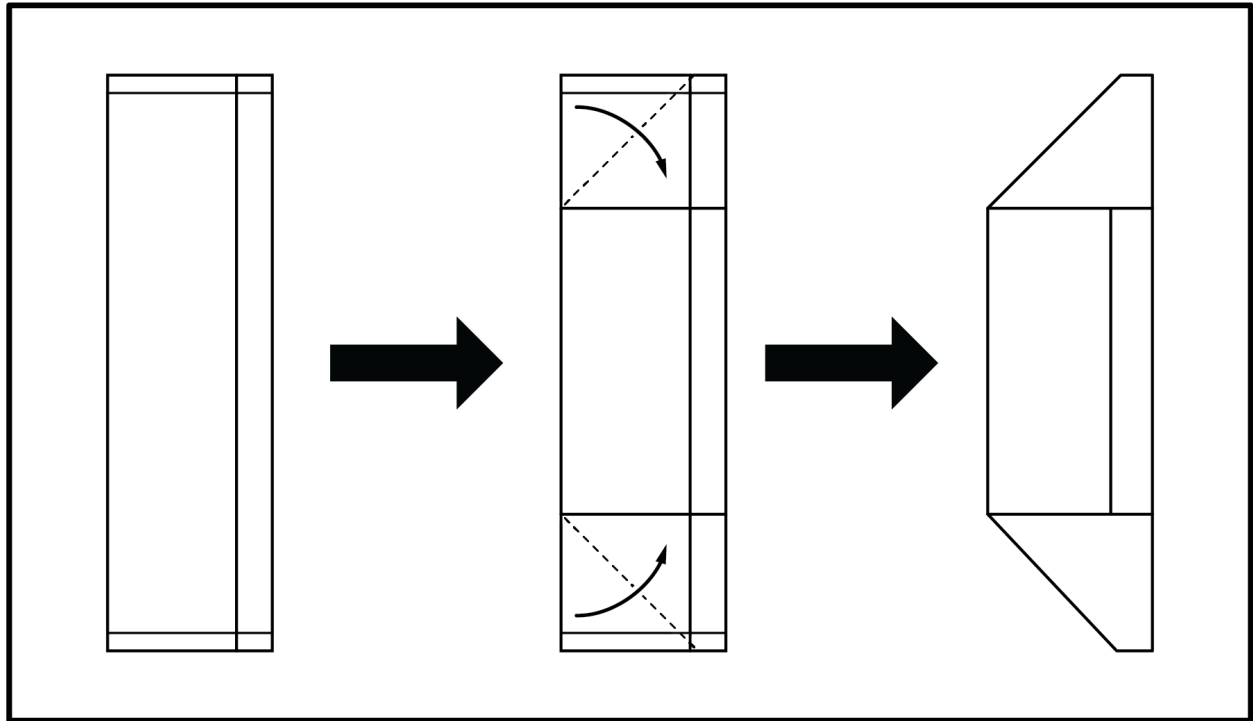


Diagram 19 Folding the Containment Berm

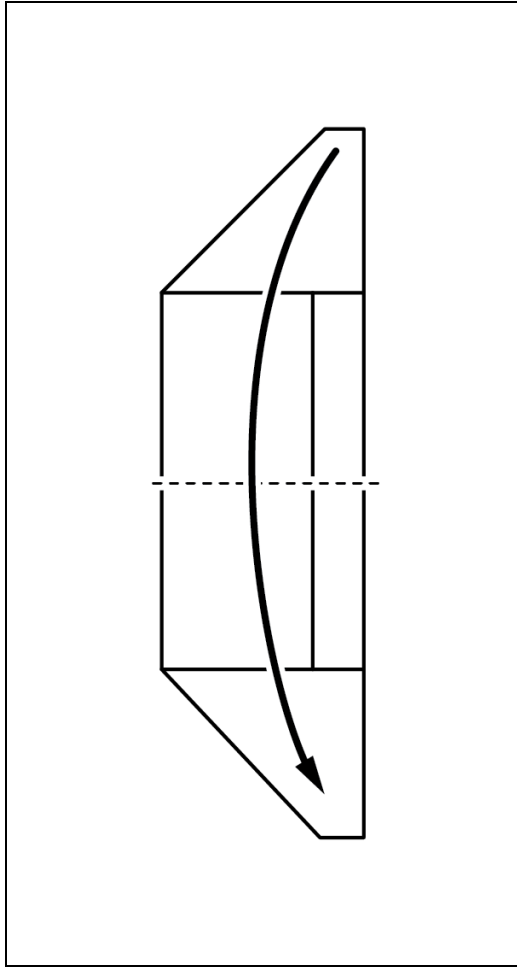


Diagram 20 Folding the Containment Berm

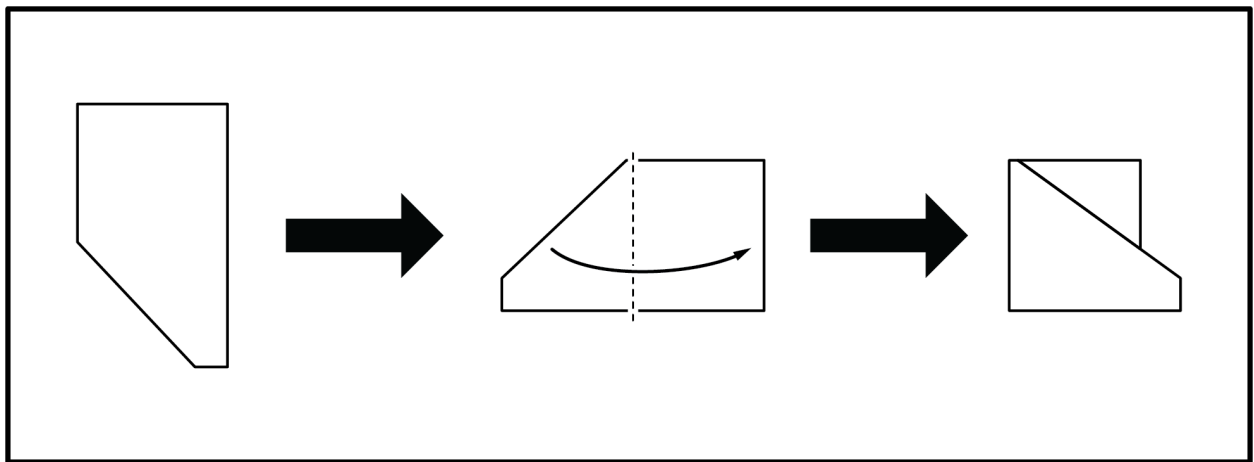


Diagram 21 Folding the Containment Berm

Setup Reference Photos



Photo 1 Laying out the decon units



Photo 2 Connecting "A" straps



Photos 3 & 4 Connecting the plumbing



Photo 5 Leveling the Unit



Photo 6 Connecting privacy walls to end walls



Photo 7 Attaching the Berm Corners



Photo 8 Attaching the Berm Corners



Photo 9 Attaching the Berm Corners



Photo 10 Setting the Shoring Buttress



Photo 11 Setting the Shoring Buttress



Photo 12 Berm Placement



Photo 13 Water Connection



Photo 14 & 15 Attaching the hand sprayers



Photo 16 Turning water on



Photo 17 Placing the drain strainer



Photo 18 Strainer hose to drain pump connection

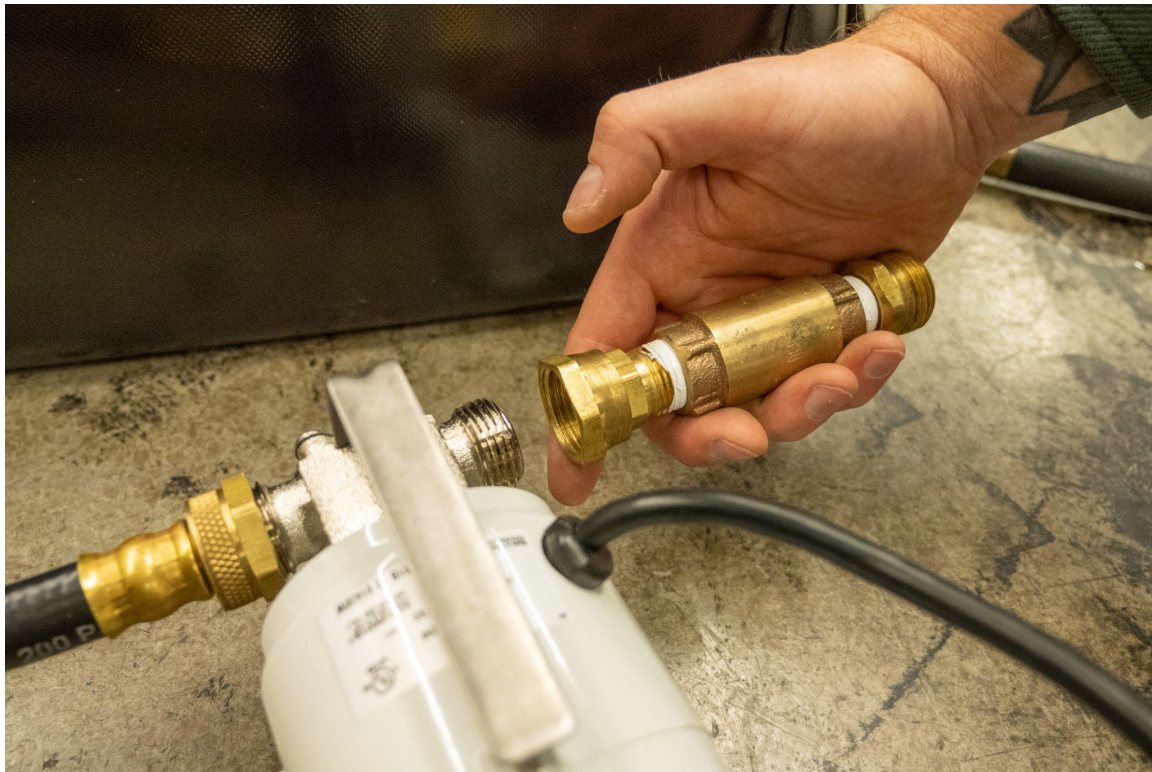


Photo 19 Check valve connection



Photo 20 Drain hose connection



Photo 21 Power supply connection