

Build-A-Box™

Modular Aluminum Trench Shielding System

EFFICIENCY
PRODUCTION
America's Trench Box Builder™

Purpose:

The Build-A-Box™ Modular Aluminum Trench Shield System can be assembled in minutes to a wide variety of two, three, or four-sided configurations. This flexibility enables work crews to make on-the-spot design changes to meet job requirements in conditions ranging from light to extreme. Most systems are easily transported in a pick-up truck or trailer for quick application.

Common Applications:

- Sewer & Water Valves
- Hydrants & Taps
- Spot Repairs
- Gas and Electric Utility

Features:

- Pick-up truck transportable
- Can be hand-assembled in minutes
- Narrow, smooth aluminum sidewalls reduce dirt build-up
- Tongue and groove design
- Stackable with XLAP™ Aluminum Trench Shield
- Foam-filled
- Lifting Lugs
- Professional Engineer design and depth certification

Options:

- T-connection cut-outs
- Sheeting Guide Frame
- Sectional or Full Length corner posts
- 3-Way T-Posts

Spreader Options:

- Telescoping Adjustable Spreaders
- Height Adapter/Spreader Arches



2-Sided Build-A-Box



3-Sided Build-A-Box



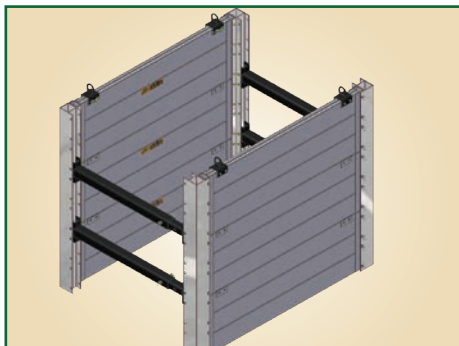
4-Sided Build-A-Box



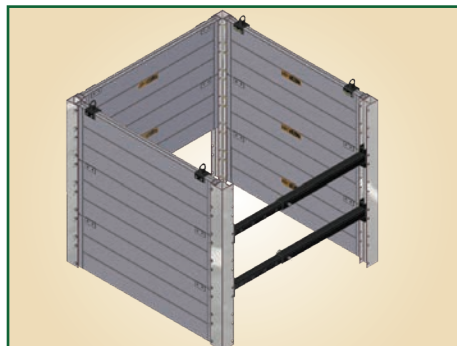
Build-A-Box Octagon Box

Build-A-Box™

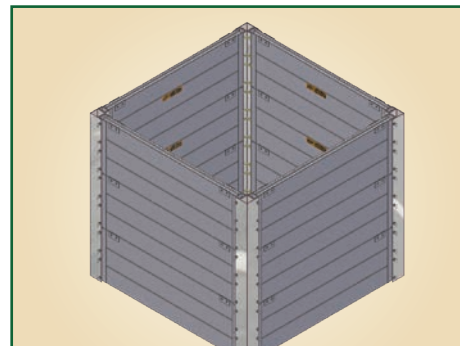
Modular Aluminum Trench Shielding System



2-Sided Build-A-Box



3-Sided Build-A-Box



4-Sided Build-A-Box

Build-A-Box™ Modular Trench Shield - Two-Sided w/ Full Length or Sectional Corner Posts

Panel Selection Chart		Shield Capacity (PSF)	Depth of Cut (ft) - Soil Type		
Model (ft.)	Weight (Lbs.)		B	C-60	C-80
BBP-22 / BAB-2	34	2,400	53	40	30
BBP-23 / BAB-3	46	2,400	53	40	30
BBP-24 / BAB-4	60	2,400	53	40	30
BBP-25 / BAB-5	71	2,400	53	40	30
BBP-26 / BAB-6	84	2,400	53	40	30
BBP-27 / BAB-7	99	1,740	39	29	22
BBP-28 / BAB-8	110	1,440	32	24	18
BBP-29 / BAB-9	125	1200	27	20	15
BBP-210 / BAB-10	138	960	21	16	12
BBP-212 / BAB-12	165	780	17	13	10
BBP-214 / BAB-14	190	600	13	10	8
BBP-216 / BAB-16	210	480	11	8	6

Corner End Posts

Model	Length (In.)	Weight (Lbs.)
BBC-24	24	18
BBC-48	48	36
BBC-72	72	53
BBC-96	96	69
BBC-120	120	88
BBC-144	144	126

3-Way T-Posts

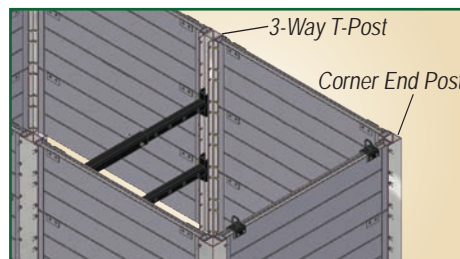
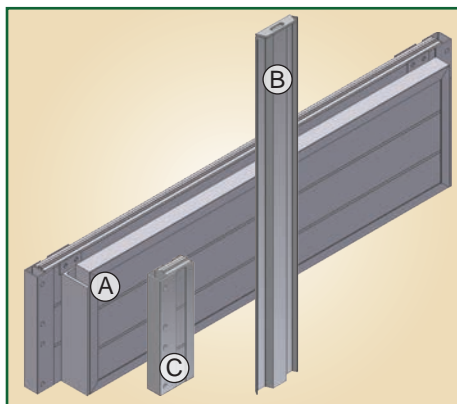
Model	Length (In.)	Weight (Lbs.)
BBT-24	24	19
BBT-48	48	38
BBT-72	72	57
BBT-96	96	75
BBT-120	120	95
BBT-144	144	141

^ABAB Sheeting Guide Frames

Model	Length (In.)	Weight (Lbs.)
BAB-SGF-4	48	119
BAB-SGF-6	72	190
BAB-SGF-8	96	245
BAB-SGF-10	120	316

^BAluminum Sheets (with push caps)

BAB-ALUM-SHEET-6	72"	25 Lbs.
BAB-ALUM-SHEET-8	96"	33 Lbs.
^C FILLER PANEL	8"	14 Lbs.



Spreaders Single Adj. Square Tube

Model	Length (In.)	Weight (Lbs.)
XL-1824-1	18 - 26	26
XL-2436-1	24 - 36	36
XL-3660-1	36 - 60	47
XL-4872-1	48 - 72	62
XL-6096-1	60 - 96	76
XL-72108-1	72 - 108	89
XL-84120-1	84 - 120	103
XL-96144-1	96 - 144	133

Arch Spreader and Extensions

Model Length (In.)	Description	Weight (Lbs.)	Depth of Cut (ft) C-60 - Soil Type
BBAC-ARCH 64	72" (high) x 48"	620	14
BBAC-EXT24	24" Horiz. Extensions	110	14
BBAC-EXT36	36" Horiz. Extensions	140	14
BBAC-EXT48	48" Horiz. Extensions	170	14
BBAC-EXT60	60" Horiz. Extensions	200	14
BBAC-EXT72	72" Horiz. Extensions	230	14
BBAC-EXT84	84" Horiz. Extensions	260	14

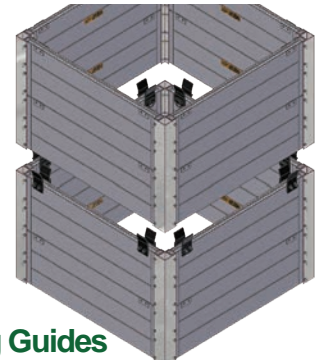
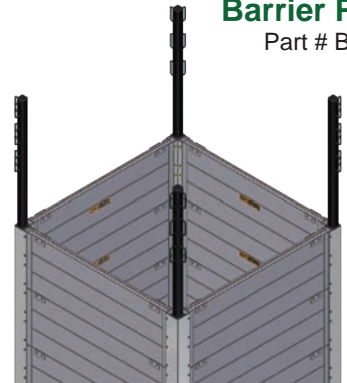
Accessories



Height Adapter/Spreader Arch
Part # HABAB72-HEIGHT ADAPTER



Barrier Posts
Part # BAB-BP



Stacking Guides
Part # BAB-STACKING GUIDE

Wheel Kit
Part # BBAC-WK



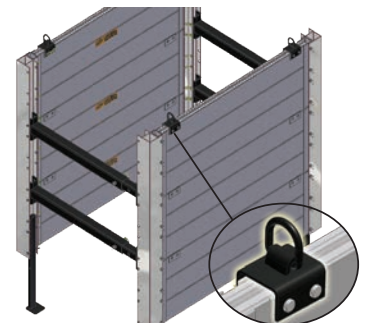
Sheeting Guide Frame
Part # BAB-SGF



Aluminum Sheets
Part # BAB-ALUM-SHEETS
Sheets 6 and 8 ft. lengths



Adjustable Legs
Part # BAB-24-LEGS



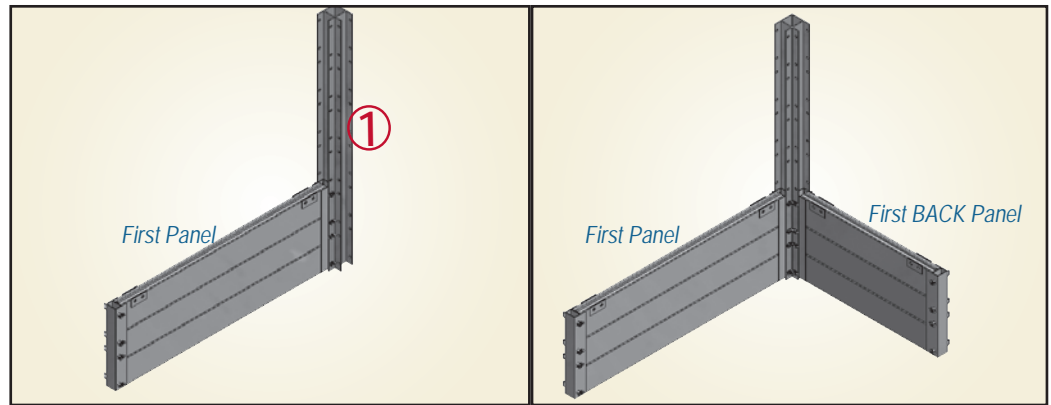
Lifting Lug
Part # BAB-LE



Assembly

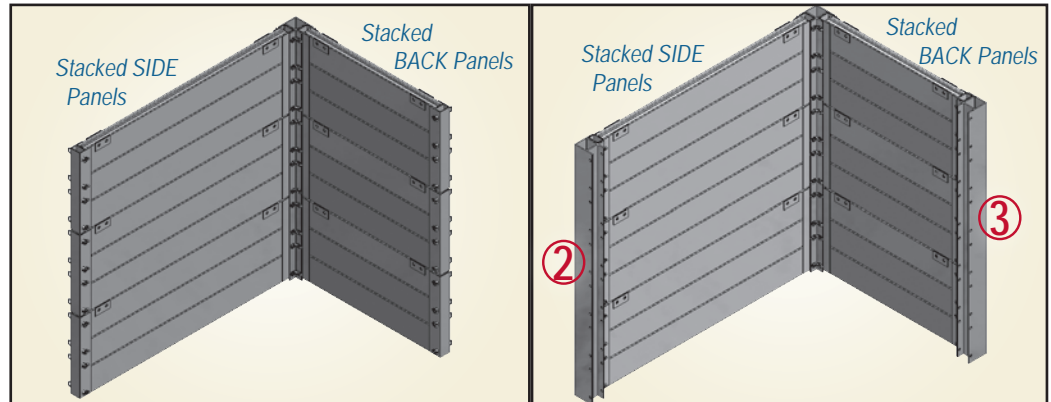
Step 1

Attach 1st corner post to first panel and secure with pins and keepers.* Set the BACK panel for 3 or 4-sided system and secure with pins and keepers in all matching holes.*



Step 2

Stack the SIDE and BACK panels to desired height before installing the 2nd and 3rd corner posts. Ensure that all matching holes have a pin and keeper.*

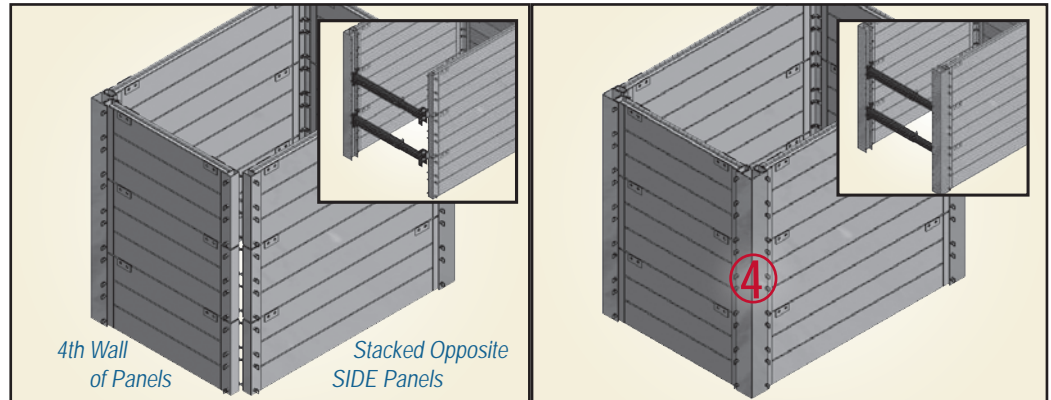


Step 3

Stack opposite SIDE panels to desired height, then add either a 4th wall of panels for a 4-sided system; or a set of at least two spreaders for a 3-sided system.

Step 4

The 4th corner post can then be slid into place. All matching holes require a pin and keeper.*
Note: A pry-bar may be needed to align posts with holes.



* Always install pins with handle on the outside.

For **Disassembly**: Do above steps in reverse order. Remove pins & keeps one at a time from one spreader, post, or panel. DO NOT REMOVE ALL PINS AND KEEPERS AT ONE TIME.

NOTES

1. Assemble on level ground.
2. Lift with factory supplied lift eyes.
3. All matching holes must have a pin and keeper.
4. System must be used in accordance to manufactures tabulated data.
5. Bottom panel may be omitted, allowing 2 feet open clearance, only if there is no possible loss of soil from behind or below the bottom of the shield.



Efficiency Production

685 Hull Rd.
Mason, MI 48854
Phone: 800-552-8800
Fax: (517) 676-0375
www.efficiencyproduction.com

