

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
- 8 in. foam-filled extrusions limit added weight if sidewall punctured
- Tongue and groove design
- Stackable with XLAP™ Aluminum Trench Shield
- 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:

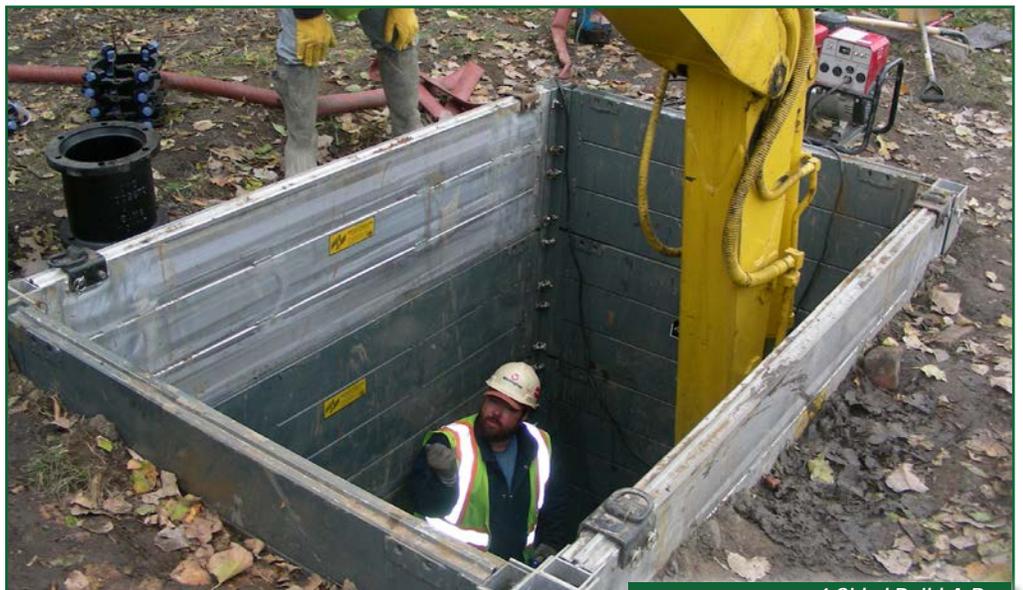
- Telescoping Adjustable Spreaders
- Height Adapter/Spreader Arches



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

| Panel Selection Chart | | | Shield Cap. (PSF) | Depth of Cut (ft) - Soil Type | | |
|-----------------------|------|---------------|----------------------|-------------------------------|------|------|
| Model (ft.) | Item | Weight (Lbs.) | | B | C-60 | C-80 |
| BAB-2X2 | 7529 | 34 | 2,400 | 53 | 40 | 30 |
| BAB-2X3 | 7530 | 46 | 2,400 | 53 | 40 | 30 |
| BAB-2X4 | 7531 | 60 | 2,400 | 53 | 40 | 30 |
| BAB-2X5 | 7532 | 71 | 2,400 | 53 | 40 | 30 |
| BAB-2X6 | 7533 | 84 | 2,400 | 53 | 40 | 30 |
| BAB-2X7 | 7534 | 99 | 1,740 | 39 | 29 | 22 |
| BAB-2X8 | 7535 | 110 | 1,440 | 32 | 24 | 18 |
| BAB-2X10 | 7536 | 138 | 960 | 21 | 16 | 12 |
| BAB-2X12 | 7537 | 165 | 780 | 17 | 13 | 10 |
| BAB-2X14 | 7538 | 190 | 600 | 13 | 10 | 8 |
| BAB-2X16 | 7539 | 210 | 480 | 11 | 8 | 6 |

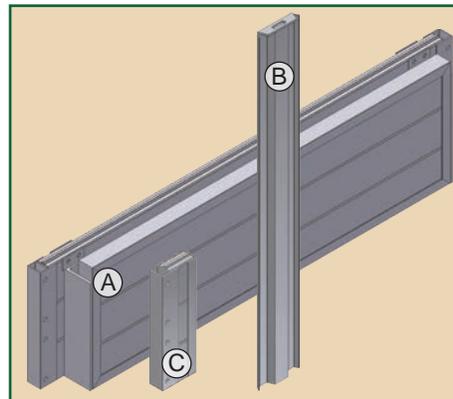
| Corner End Posts | | | |
|------------------|--------------|------|---------------|
| Model | Length (In.) | Item | Weight (Lbs.) |
| BAB-C2-2 | 24 | 7520 | 18 |
| BAB-C2-4 | 48 | 7521 | 36 |
| BAB-C2-6 | 72 | 7522 | 62.4 |
| BAB-C2-8 | 96 | 7523 | 86 |
| BAB-C2-10 | 120 | 7524 | 108 |
| BAB-C2-12 | 144 | 7545 | 100 |

| Corner End Posts | | | |
|------------------|--------------|------|---------------|
| Model | Length (In.) | Item | Weight (Lbs.) |
| BAB-C3-2 | 24 | 7525 | 24 |
| BAB-C3-4 | 48 | 7526 | 49 |
| BAB-C3-6 | 72 | 7527 | 70 |
| BAB-C3-8 | 96 | 7528 | 91 |
| BAB-C3-10 | 120 | 7546 | 116 |

| BAB Sheeting Guide Frames | | |
|---------------------------|--------------|---------------|
| Model | Length (In.) | Weight (Lbs.) |
| BBAC-GF-4 | 48 | 118 |
| BBAC-GF-6 | 72 | 166 |
| BBAC-GF-8 | 96 | 215 |
| BBAC-GF-10 | 120 | 300 |
| BBAC-GF-12 | 144 | 385 |

| B Aluminum Sheets (with push caps) | | |
|------------------------------------|--------------|---------------|
| Model | Length (In.) | Weight (Lbs.) |
| BBAC-GF-SHEET-6 | 72 | 30 |
| BBAC-GF-SHEET-8 | 96 | 35 |

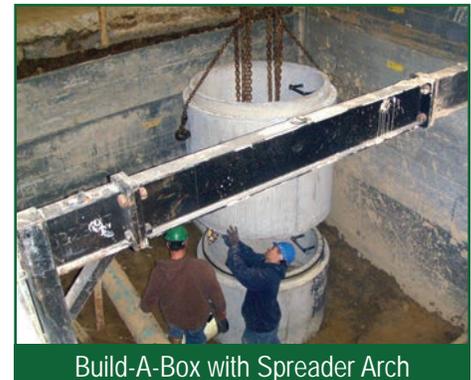
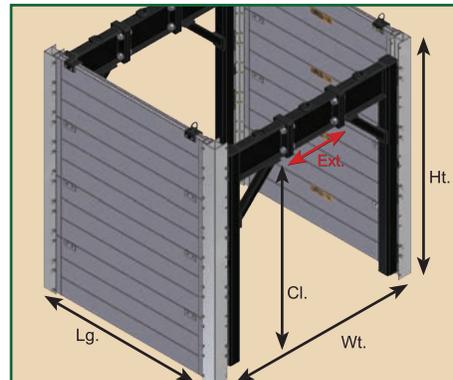
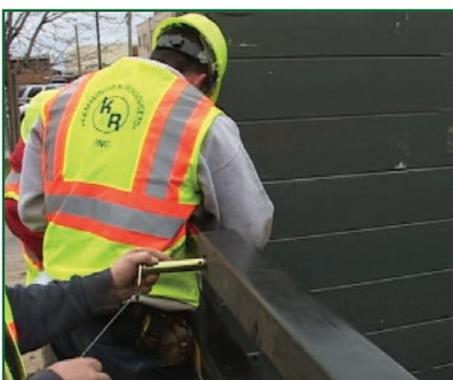
| C FILLER PANEL | | |
|----------------|--------------|---------------|
| Model | Length (In.) | Weight (Lbs.) |
| | 8 | 35 |



| 4-Way Connection Posts | | |
|------------------------|--------------|---------------|
| Model | Length (In.) | Weight (Lbs.) |
| BBC4-24 | 24 | 35 |
| BBC4-48 | 48 | 70 |
| BBC4-72 | 72 | 104 |
| BBC4-96 | 96 | 139 |
| BBC4-120 | 120 | 174 |
| BBC4-144 | 144 | 209 |

| Spreaders Single Adj. Square Tube | | |
|-----------------------------------|------|---------------|
| Model | Item | Weight (Lbs.) |
| XL-2436-1 | 7514 | 35 |
| XL-3660-1 | 7515 | 47 |
| XL-4872-1 | 7516 | 61 |
| XL-6096-1 | 7570 | 76 |
| XL-72120-1 | 7518 | 110 |
| XL-84144-1 | 7519 | 132 |

| Arch Spreaders and Extensions | | | |
|-------------------------------|-----------------------|---------------|------------------------------------|
| Model | 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 |



Build-A-Box with Spreader Arch

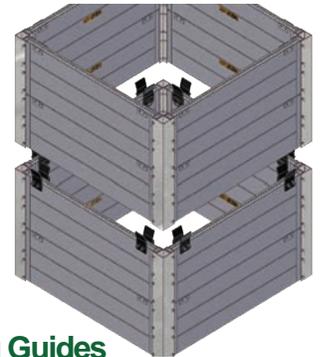
Accessories



Height Adapter/Spreader Arch



Barrier Posts



Stacking Guides

Aluminum Sheets

Sheets 6 and 8 ft. lengths



Sheeting Guide Frame

Wheel Kit



Adjustable Legs

Lifting Lug

BTS Clamping Guard Rail

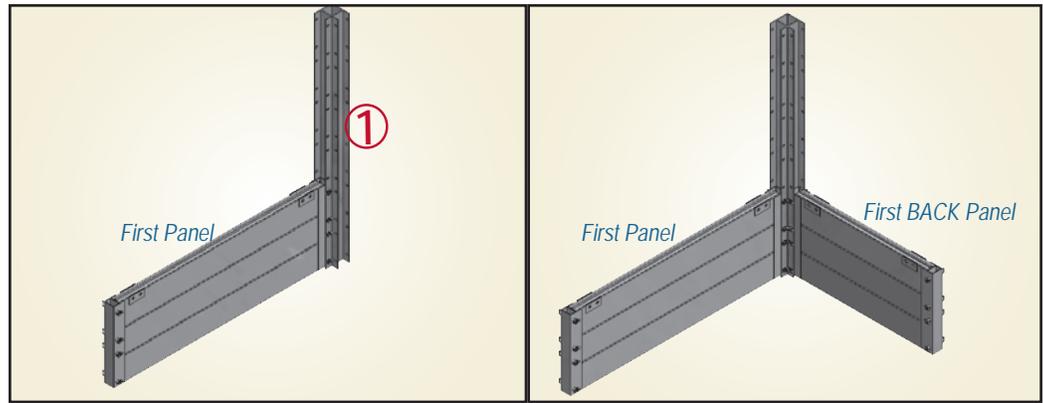
4,8,10, 12 ft. lengths



Assembly

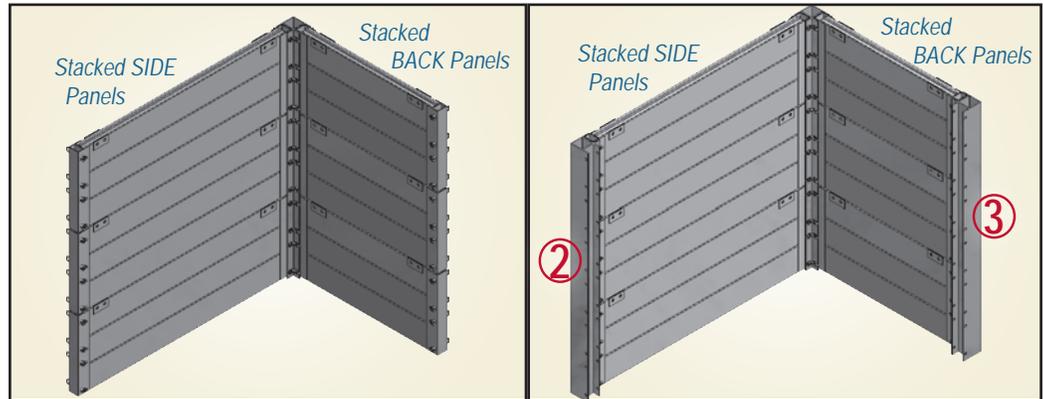
Step 1

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.*



Step 2

Stack the SIDE and BACK panels to desired height before installing the 2nd and 3rd corner posts. Secure with pins and keepers.*



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. Secure with pins and keepers.*
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. System must be used in accordance to manufactures tabulated data.
4. 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.

[ASSEMBLY VIDEO](#)



[DISASSEMBLY VIDEO](#)



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