## **BUILD-A-BOX SHEETING GUIDE TAB DATA - STEEL POST**





4837 W Grand River Ave - Lansing, MI (800) 292-1225

Refer to ARCOSA "Tabulated Data Build-A-Box System", dated 8/19 for additional notes and restrictions, which apply as if noted here. If conflicting guidelines are observed between this data sheet and that document, the stricter of the two shall always apply.



Post	Sheet Pile	Sheeting	Max Pit	Мах	Pressure	Max Depth Rating		
Туре	Туре	Guide Length	Width	Clear	Capacity	B-45	C-60	C-80
				2'	540 psf	15'	12'	10'
		10'	12'	3'	540 psf	15'	12'	10'
				4'	360 psf	11'	9'	8'
	ASG		10'	2'	840 psf	22'	17'	14'
				3'	720 psf	19'	15'	12'
				4'	420 psf	12'	10'	8'
			8' or Less	2'	840 psf	22'	17'	14'
				3'	720 psf	19'	15'	12'
Steel				4'	420 psf	12'	10'	8'
Steel			12'	2'	540 psf	15'	12'	10'
				3'	540 psf	15'	12'	10'
				4'	360 psf	11'	9'	8'
			10'	2'	840 psf	22'	17'	14'
		8' or Less		3'	720 psf	19'	15'	12'
				4'	420 psf	12'	10'	8'
			8' or Less	2'	1320 psf	32'	25'	20'
				3'	720 psf	19'	15'	12'
				4'	420 psf	12'	10'	8'
	Build-A-Box	10'	12'	2'	540 psf	15'	12'	10'
				3'	480 psf	14'	11'	9'
				4'	240 psf	8'	7'	6'
			10'	2'	840 psf	22'	17'	14'
				3'	480 psf	14'	11'	9'
Steel				4'	240 psf	8'	7'	6'
			8' or Less	2'	840 psf	22'	17'	14'
				3'	480 psf	14'	11'	9'
				4'	240 psf	8'	7'	6'
		8' or Less	12'	2'	540 psf	15'	12'	10'
				3'	480 psf	14'	11'	9'
				4'	240 psf	8'	7'	6'
			10'	2'	840 psf	22'	17'	14'
				3'	480 psf	14'	11'	9'
				4'	240 psf	8'	7'	6'
			8' or Less	2'	840 psf	22'	17'	14'
				3'	480 psf	14'	11'	9'
				4'	240 psf	8'	7'	6'

## NOTES & LIMITATIONS:

1) Excavation 2' below bottom of shoring is only permitted when there is no indication of possible loss of soil from behind or below the bottom of the shoring and/or sheets.

2) User is responsible for safe support of shoring to ensure it cannot shift vertically or horizontally at any time.

3) Shield must be used in compliance with all applicable OSHA guidelines & limitations outlined in this document.

4) This document has been prepared by a P.E., as required by OSHA 29 CRF, Part 1926, Subpart P.

5) Shield shall be used under the supervision and direction of a Competent Person as defined by CRF, Part 1926, Subpart P. Among other qualifications, the Competent Person shall be trained in the use of shields and have practical

field experience with the use of shields, soil classification, and recognizing hazardous conditions.

6) Shield shall be installed in a manner to restrict lateral or other hazardous movement of the shield in the event of the application of sudden lateral loads.

7) Shield to be inspected prior to use, to ensure they are in good condition, free of any damage or visual defects.
 8) Any repairs or modifications to the shield, such as extending height or length with plates, are strictly prohibited, unless

approved in writing by a P.E.

9) Pressure rating of shield is a uniform rectangular pressure over full height of shield.

10) All equipment and materials shall be kept a sufficient distance clear of the shoring, as directed by a Professional Engineer, to ensure this surcharge limit is not exceeded.

33% Shoring Use Factor Included in Max Depth Ratings: Yes

Surcharge Pressure Included in Depth

Ratings (See note #10): 0 PSI Soil shall be classified by a Competent Person as type A, B or C, as defined by OSHA regulations, except as noted below:

0 psf

 A type C-60 soil is defined as a clay or moist granular soil that is not flowing or submerged. This soil can be cut vertically and will stand long enough to safely install protective system.
 If the soil is submerged or has freely seeping water, it shall be

classified as a C-80 soil.

**3)** Shielding shall never be used in soft clays, organic peat or other flowing materials.

## **BUILD-A-BOX SHEETING GUIDE TAB DATA - ALUM POST**





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Refer to ARCOSA "Tabulated Data Build-A-Box System", dated 8/19 for additional notes and restrictions, which apply as if noted here. If conflicting guidelines are observed between this data sheet and that document, the stricter of the two shall always apply.



Type         Type         Guide Length         Width         Clear         Capacity         B-45         C-60         C           12         3'         540 psf         15'         12'         1         <	Post	Sheet Pile	Sheeting	Max Pit	Мах	Pressure	Max Depth Rating			
Aluminum         ASG         2'         540 psf         15'         12'         13'         12'         14'         11'         12'         11'         12'         11'         12'         11'         12'         11'         12'         11'         12'         11'         12'         11'         12' <t< th=""><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th><th>-</th><th>-</th></t<>					-			-	-	
$\begin{tabular}{ c c c c c c c } & 12' & 12' & 12' & 12' & 12' & 14' & 12' & 14' &$	. , , , , , , , , , , , , , , , , , , ,	. , , , , , , , , , , , , , , , , , , ,	ouluo Ioligiii	math					C-80	
$\begin{tabular}{ c c c c c c c } \hline $A'$ & $C'$ & $				401		· · · · ·			10'	
$\begin{tabular}{ c c c c c c } & 10' & 10' & 2' & 840  \mathrm{psf} & 22' & 17' &$		ASG	10'	12'					10'	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$									6'	
$\begin{tabular}{ c c c c c c } \hline $A'$ & $360  \text{psf}$ & $11'$ & $9'$ & $15'$ & $16'$				10'		· · · · ·			14'	
$\begin{tabular}{ c c c c c c } Aluminum \\ ASG \\ Aluminum \\ ASG \\$					-	· · ·	-		11'	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$								-	8'	
$\begin{tabular}{ c c c c c c } Aluminum \\ Alice has a first strain of the second strain of $				8' or Less					14'	
Aluminum         ASG         2'         540 psf         15'         12'         12'           12'         3'         540 psf         15'         12'         11'         12'         12'         11'         12'         12'         11'         12'         11'         12'         11'         12'         11'         11'         12'         11'         11'         11'         11'         11'         11'         11'         11'         11'         11' <t< td=""><td></td><td>· · · · ·</td><td></td><td></td><td>12'</td></t<>						· · · · ·			12'	
$\begin{tabular}{ c c c c c c } & 12' & 1$	Aluminum							-	8'	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$				12'			-		10'	
$\begin{tabular}{ c c c c c c c } & A & A & A & A & A & A & A & A & A & $									10'	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$									6'	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$				10'		840 psf			14'	
Aluminum         Build-A-Box         Build-A-Box         2'         1320 psf         32'         25'         22'           8' or Less         3'         720 psf         19'         15'         10'           10'         12'         540 psf         12'         10'         11'         11'           10'         12'         3'         480 psf         14'         11'         11'         11'           10'         10'         2'         840 psf         22'         17'         10'           10'         10'         3'         480 psf         14'         11'			8' or Less		-	660 psf	18'	14'	11'	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$					4'	360 psf	11'	9'	8'	
Aluminum         Build-A-Box         Build-A-Box         10'         4'         420 psf         12'         10'         12'         10'           10'         10'         12'         540 psf         15'         12'         10'           10'         12'         3'         480 psf         14'         11'         11'           4'         240 psf         8'         7'         11'         11'         11'           4'         240 psf         8'         7'         11'         11'         11'         11'           4'         240 psf         8'         7'         11'<				8' or Less	2'	1320 psf	32'	25'	20'	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$					3'	720 psf	19'	15'	12'	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$					4'	420 psf	12'	10'	8'	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		Build-A-Box	10'	12'	2'	540 psf	15'	12'	10'	
Aluminum         Build-A-Box         10'         10'         2'         840 psf         22'         17'         1           Aluminum         Build-A-Box         10'         10'         3'         480 psf         14'         11'         1'           8' or Less         3'         480 psf         22'         17'         1'         1'           8' or Less         3'         480 psf         22'         17'         1'           4'         240 psf         8'         7'         1'         1'           4'         240 psf         8'         7'         1'         1'           4'         240 psf         8'         7'         1'         1'           12'         3'         480 psf         14'         11'         1'           4'         240 psf         8'         7'         1'         1'           12'         3'         480 psf         14'         11'         1'           8' or Less         10'         3'         480 psf         22'         17'         1'					3'	480 psf	14'	11'	9'	
Aluminum         Build-A-Box         10'         10'         3'         480 psf         14'         11'         11'           A'         240 psf         8'         7'         10'					4'	240 psf	8'	7'	6'	
Aluminum         Build-A-Box         Image: Heat of the second sec				10'	2'	840 psf	22'	17'	14'	
Aluminum         Build-A-Box         2'         840 psf         22'         17'         11'           A'         3'         480 psf         14'         11'	Aluminum				3'	480 psf	14'	11'	9'	
Aluminum         Build-A-Box         8' or Less         3'         480 psf         14'         11'           Aluminum         Build-A-Box         4'         240 psf         8'         7'         10'           12'         540 psf         15'         12'         1           12'         3'         480 psf         14'         11'           4'         240 psf         8'         7'         1           8' or Less         10'         3'         480 psf         14'         11'					4'	240 psf	8'	7'	6'	
Aluminum         Build-A-Box         4'         240 psf         8'         7'           12'         540 psf         15'         12'				8' or Less	2'	840 psf	22'	17'	14'	
Aluminum         Build-A-Box         2'         540 psf         15'         12'         1           12'         3'         480 psf         14'         11'         1           4'         240 psf         8'         7'         1           8' or Less         10'         3'         480 psf         14'         11'					3'	480 psf	14'	11'	9'	
2'         540 psf         15'         12'         1           12'         3'         480 psf         14'         11'         1           4'         240 psf         8'         7'         1           2'         840 psf         22'         17'         1           3'         480 psf         14'         11'         1					4'	240 psf	8'	7'	6'	
4'         240 psf         8'         7'           2'         840 psf         22'         17'         1           8' or Less         10'         3'         480 psf         14'         11'			8' or Less	12'	2'	540 psf	15'	12'	10'	
4'         240 psf         8'         7'           2'         840 psf         22'         17'         1           8' or Less         10'         3'         480 psf         14'         11'					3'	480 psf	14'	11'	9'	
2'         840 psf         22'         17'         1           8' or Less         10'         3'         480 psf         14'         11'         1					4'		8'	7'	6'	
8' or Less 10' 3' 480 psf 14' 11'				10'					14'	
									9'	
4' 240 pst 8' 7'					4'	240 psf	8'	7'	6'	
				8' or Less			-	-	14'	
						· · ·			9'	
									6'	

## **NOTES & LIMITATIONS:**

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