

# Sectional Scaffold

## Product Selection Guide



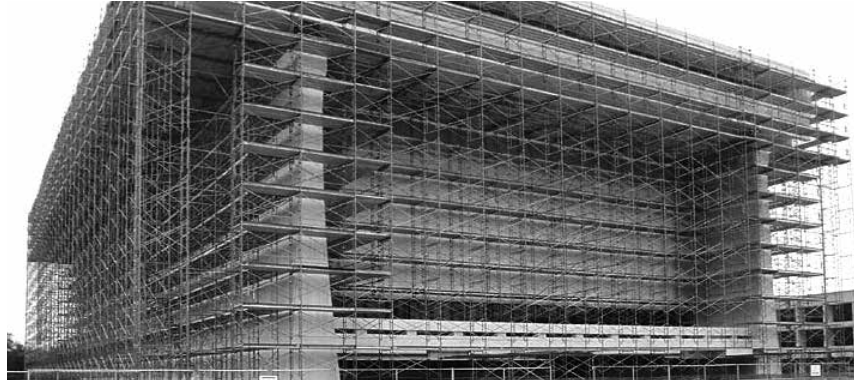
**SEC**

# Table of Contents

Engineered Quality _____	3
Sectional Frames	
Narrow Sections (2' Wide) _____	5
End Frames _____	5
Mason Frames _____	5
Walk Through Frames _____	6
Sidewalk Frames _____	6
Walk Through Frames with Access _____	6
Frame Locking Devices _____	7
Frame Components _____	7
Sectional Components	
Scaffold Tie Components _____	8
Cross Braces – 2' Stud Spacing _____	9
Cross Braces – 3' Stud Spacing _____	9
Cross Braces – 4' Stud Spacing _____	9
Horizontal Braces (Gooser Braces) _____	10
Horizontal Diagonal Braces (Gooser Diagonal Braces) _____	10
Straddle Trestles _____	10
Screw Jacks _____	10
Base Plates _____	10
Toeboards _____	11
Platform Planks and Hatch Decks _____	11
Side and End Brackets _____	11
Hoist Arm _____	11
Putlogs _____	12
Putlog Spreader and Accessories _____	12
Casters _____	12
Frame and Cross Bracing Estimating Chart _____	13
Guardrail and Gate Assemblies	
Guardrails _____	14
Guardrail Posts _____	14
Gates and Panels _____	15
Access	
Ladder Units and Components _____	16
Stair Units and Safety Rails _____	17
Rolling Towers	
Rolling Tower Assembly _____	18
Rolling Tower Frames _____	19
Mobile Work Platform _____	19
Guardrail Panel Assembly for Mobile Work Platform _____	19
Rolling Tower Configurations _____	20
Safety Guidelines _____	23–24

All drawings in this guide are for illustrative purposes only. This guide is intended for general information purposes only. Because of the many variables which affect the performance of the product line, some of the information in this brochure may not apply. For specific applications, contact BrandSafway.

Note: All scaffolds shall be erected, modified and dismantled only under the supervision of a Competent Person. Erection, use, maintenance and disassembly must conform to current manufacturer's instructions as well as all federal, state, provincial and local regulations. Copies of complete Safety Guidelines for these and other products are available from BrandSafway without charge.



Safway was the first designer of sectional steel scaffolds, and BrandSafway has continued to improve on both quality and design.

Today, high strength steel tubing with .095" wall thickness and an outside diameter of 1.69" is used on all legs. Extra care is taken to provide coped fitted pieces before welding. This concern for quality ensures rigid construction. Scaffold frames are powder painted to ensure long life.

### **Engineered Advantages**

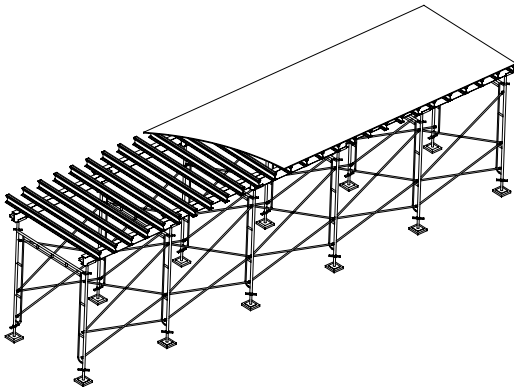
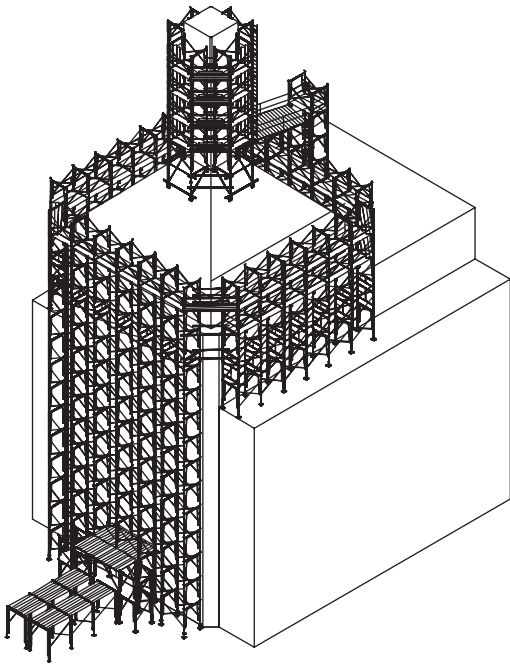
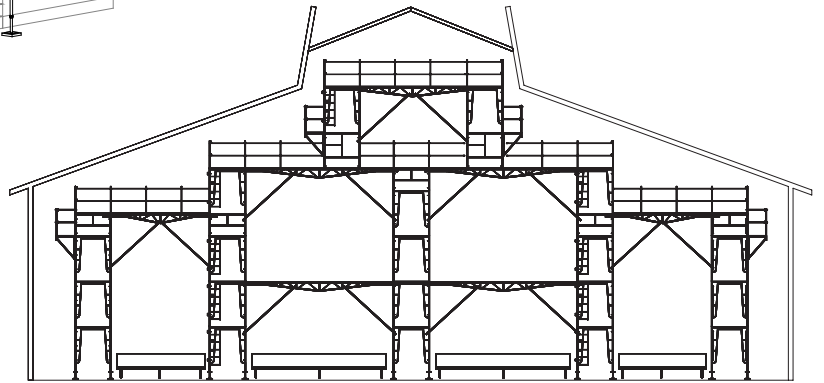
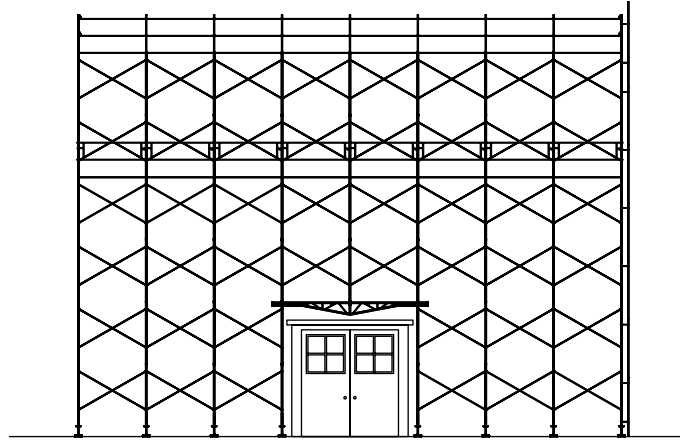
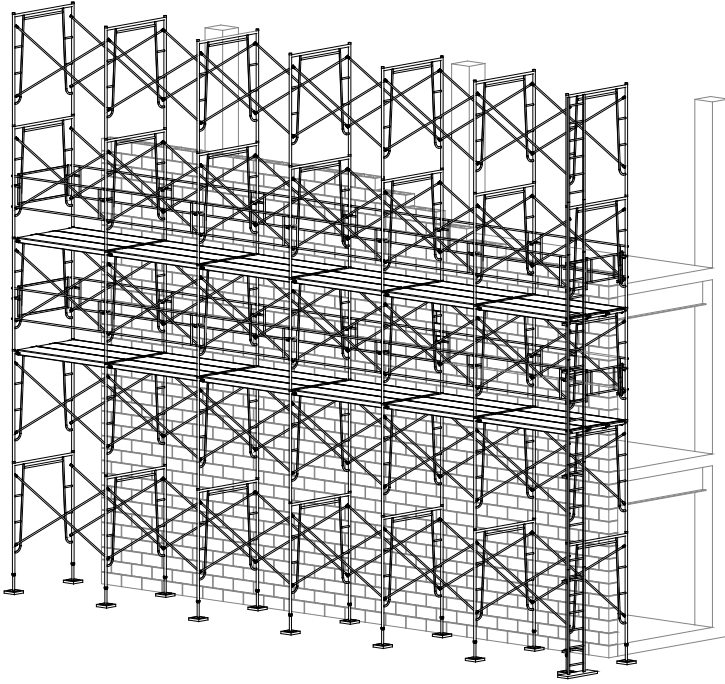
Coupling pins are precision fabricated with beveled ends for easy insertion into the scaffold frames during assembly. They also contain holes that line up with holes in the legs of the frames, allowing frames to be vertically fastened together or to guardrail posts. The 1" collar in the middle of the coupling pin assures even load distribution to the frame below. This entire coupling pin is zinc plated with a di-chromate coating for long life.

Cross braces are constructed of high strength galvanized tubing connected by shear bolts. A washer separates the tubing for ease of handling and maintenance.

Cross braces come in various lengths which are plainly marked on either end for quick sorting and erecting.

### **Values**

In addition to great products, BrandSafway has a network of branches in the U.S. and Canada, along with a growing system of distributors worldwide. BrandSafway companies deliver efficient, high-performance multiservice solutions by offering experience and expertise in access, scaffolding, insulation, fireproofing, surface preparation and coatings. With the most experienced engineering staff, an exclusive project management system and award-winning safety, BrandSafway companies design and implement innovative, quality solutions at the lowest installed cost for projects of any size and scope.



Threaded studs or our drop latch type "Quick Locks" are available for securing cross braces to the frame.

To suit any project, a wide variety of frames are available, including: narrow section, walk through, masonry, sidewalk canopy and integral prefabricated access frames.

In addition, a rolling tower base frame increases the base width of the tower without the need for extra components.

BrandSafway stairways provide an efficient way for personnel movement as well as the transportation of tools and equipment to and from scaffold work platforms. Complete assembly includes guardrails, easy rise stairs

and landing area. Side brackets and ladders are a practical and functional way to supplement your access needs.

Putlogs are an integral and economical part of many scaffold installations and are often used in developing additional platform space. Putlogs serve as additional supports and provide a method to span openings and obstacles.

For quick and efficient height adjustments, screw jacks can provide 1" adjustments with just four turns. Their design minimizes jamming from sand and dirt on the job.

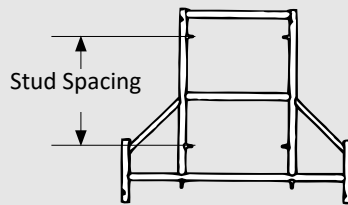
BrandSafway aluminum platform planks come in different lengths and are more durable than wood planks.

# Sectional Frames

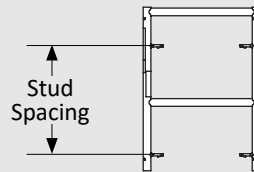
## Narrow Sections (2' Wide)

Part No.	Width	Frame Height	Stud Spacing	Weight Painted	Weight Galvanized
LSB1	4'-0"	3'-6 $\frac{3}{4}$ "	2'-0"	31 lbs.	32.3 lbs.
LS3	2'-0"	3'-0"	2'-0"	16.7 lbs.	18.4 lbs.
LS5	2'-0"	5'-0"	4'-0"	26.2 lbs.	28.8 lbs.
LS6	2'-0"	6'-4"	4'-0"	33.6 lbs.	37 lbs.

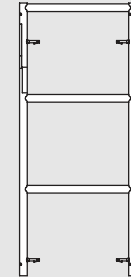
**⚠ WARNING**  
 THE FM, FO AND LS SERIES OF FRAMES ARE NOT TO BE USED FOR ACCESS TO SCAFFOLD PLATFORMS. IF SAFE ACCESS IS NOT AVAILABLE FROM THE BUILDING STRUCTURE, ADDITIONAL ACCESS COMPONENTS ARE REQUIRED. SEE PAGE 16.



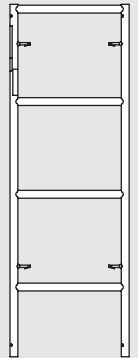
LSB1



LS3



LS5



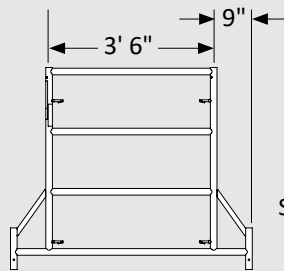
LS6

## End Frames

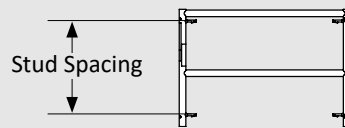
Part No.	Description	Width	Frame Height	Stud Spacing	Weight Painted	Weight Galvanized
FEB*	Base Frame	5'-0"	4'-10"	3'-0"	42.8 lbs.	47.3 lbs.
FE30	End Frame	3'-6"	2'-6"	2'-0"	19.8 lbs.	21.8 lbs.
FE45	End Frame	3'-6"	3'-9"	3'-0"	29.3 lbs.	32.2 lbs.
FE5	End Frame	3'-6"	5'-0"	4'-0"	38.8 lbs.	42.7 lbs.
FE6	End Frame	3'-6"	6'-4"	4'-0"	48.5 lbs.	53.6 lbs.

\*FEB Base Frame total width is 5'.

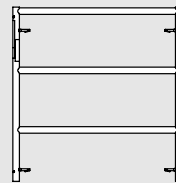
\*Only available in (QLH) quick locks.



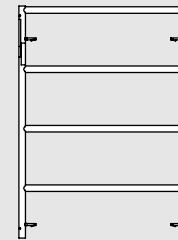
FEBQLH



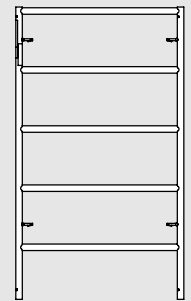
FE30QLH



FE45QLH



FE5QLH

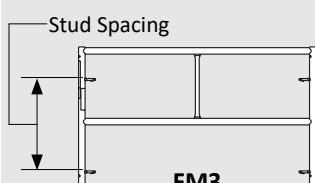


FE6QLH

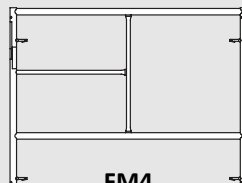
## Mason Frames

Part No.	Width	Frame Height	Stud Spacing	Weight Painted	Weight Galvanized
FM3	5'-0" *	3'-0"	2'-0"	27.2 lbs.	29.9 lbs.
FM4	5'-0" *	4'-0"	3'-0"	34.2 lbs.	37.6 lbs.
FM5	5'-0" **	5'-0"	4'-0"	36.9 lbs.	40.6 lbs.
FM6	5'-0"	6'-4"	4'-0"	43.2 lbs.	47.5 lbs.

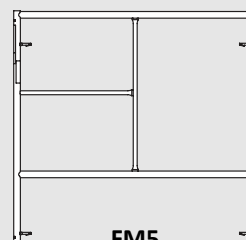
\*Also available in 3'-0" and 4'-0" widths. \*\*Also available in 4'-0" width.



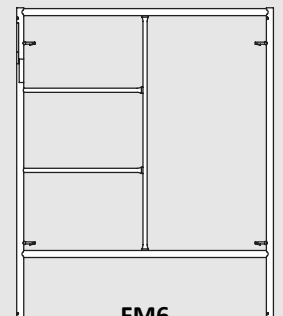
FM3



FM4



FM5



FM6



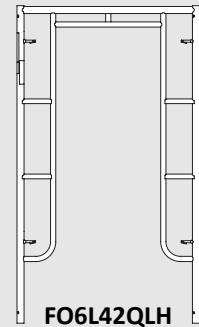
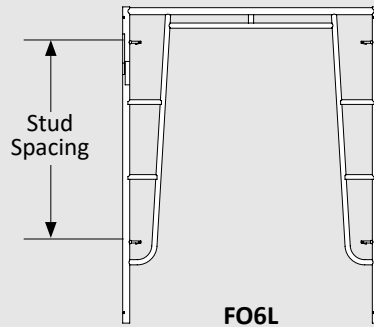
## 6 Sectional Frames

### Walk Through Frames

Part No.	Description	Width	Frame Height	Stud Spacing	Weight Painted	Weight Galvanized
FO6L* **	Open End Frame	5'-0"	6'-4"	4'-0"	47.5 lbs.	52.3 lbs.
FO6L42QLH**	Open End Frame	3'-6"	6'-4"	4'-0"	43 lbs.	47.3 lbs.

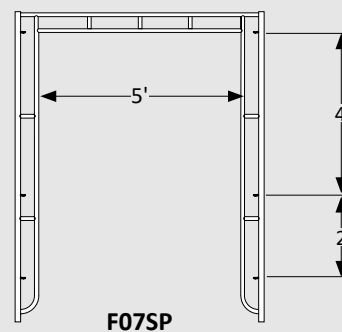
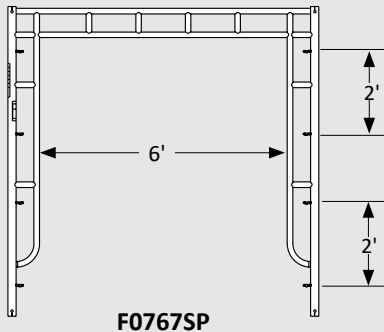
\* FO6L also available in 3' and 4' widths. \*\* Also available with 6 LQL studs

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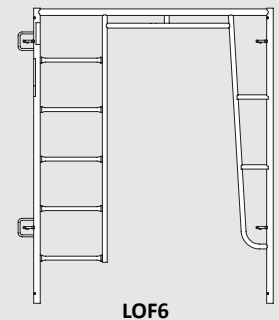
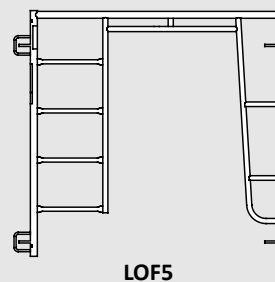
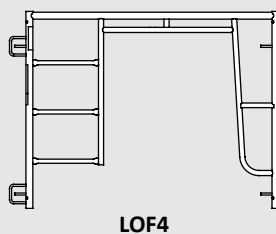
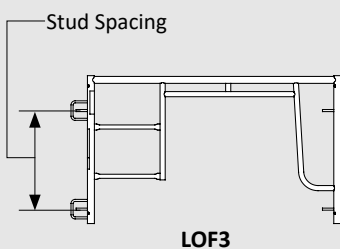
### Sidewalk Frames

Part No.	Description	Width	Frame Height	Stud Spacing	Weight Painted	Weight Galvanized
FO767SP	Sidewalk Canopy Frame	7'-4"	7'-6"	2'/2'	N/A	103 lbs.
FO7SP	Sidewalk Canopy Frame	6'-0"	7' 6"	4'/2'	60 lbs.	64.1 lbs.



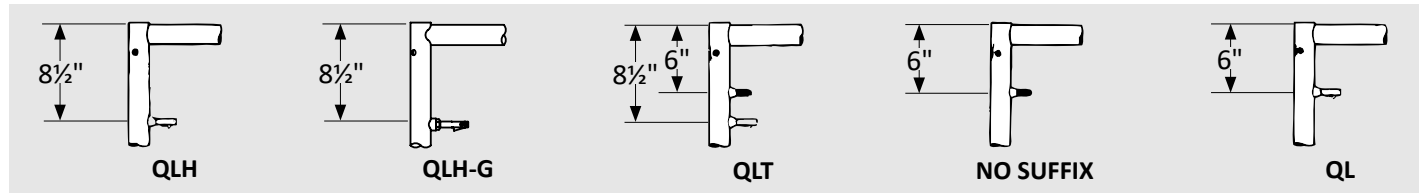
### Walk Through Frames with Access

Part No.	Width	Frame Height	Stud Spacing	Weight Painted	Weight Galvanized
LOF3	5'-0"	3'-0"	2'-0"	29.6 lbs.	32.8 lbs.
LOF4	5'-0"	4'-0"	3'-0"	36.7 lbs.	40.7 lbs.
LOF5	5'-0"	5'-0"	4'-0"	43 lbs.	48.5 lbs.
LOF6	5'-0"	6'-4"	4'-0"	51.4 lbs.	57 lbs



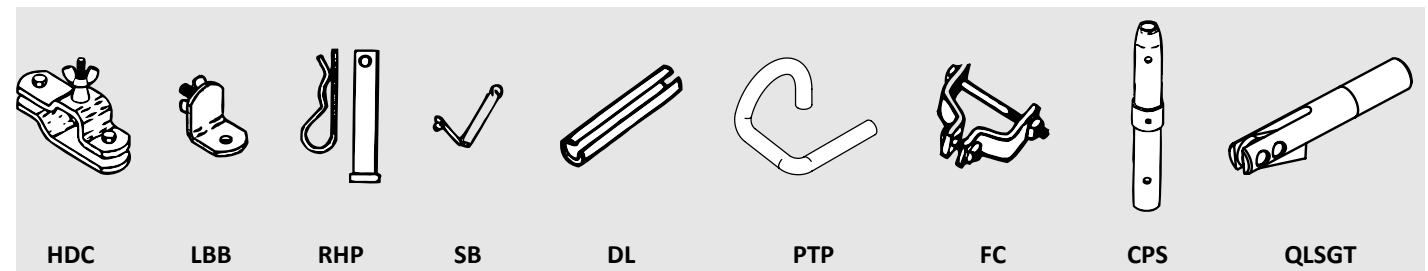
## Frame Locking Devices

Part No.	Description
QLH	Frame with Quick Lock only, located 8½" from top of frame. Add QLH after frame part number. (BrandSafway Standard)
QLH-G	Galvanized frame with QLSGT only, located 8½" from top of frame. Add QLH-G after frame part number.
QLT	Combination with Quick Lock 2½" below threaded stud (threaded stud 6" from top of frame) Add QLT after frame part number (increases frame weight 0.5 lbs.).
NO SUFFIX	Threaded stud with tapered lead-in, located 6" from top of frame.
QL	Frame with Quick Lock only, located 6" from top of frame. Add QL after frame part number.



## Frame Components

Part No.	Description	Weight
FC	Frame Clamp	1.9 lbs.
HDC	Horizontal Diagonal Clamp	1.9 lbs.
LBB	"L" Brace Bracket	0.5 lb.
CPS	Coupling Pin w/ Snap Button	1.3 lbs.
RHP	Rivet & Hair Pin (100/pkg)	10 lbs.
SB	Snap Button (100/pkg)	5 lbs.
DL	Spring Pin (100/pkg)	4 lbs.
PTP	Pig Tail Pin (100/pkg)	30 lbs.
QLSGT	Quick Lock Stud for Galvanized Frames (100/pkg)	21 lbs.

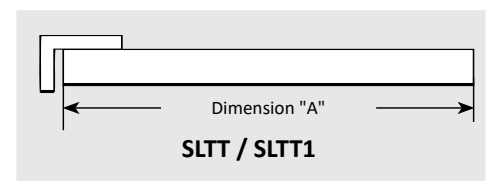
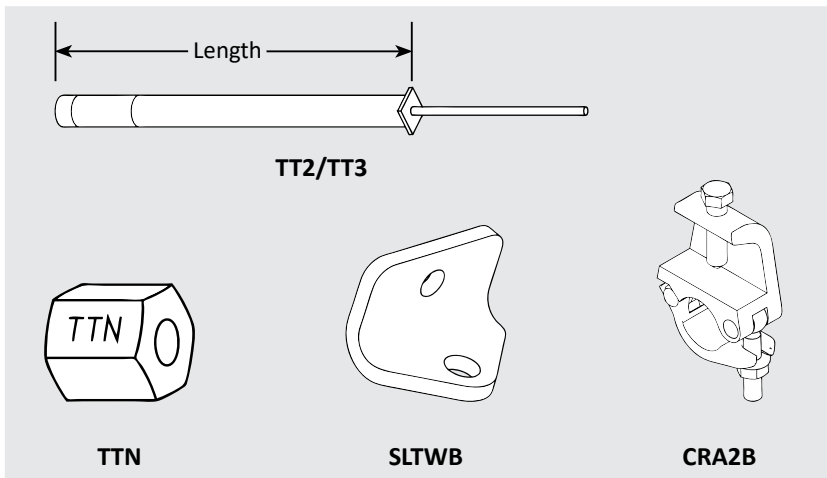
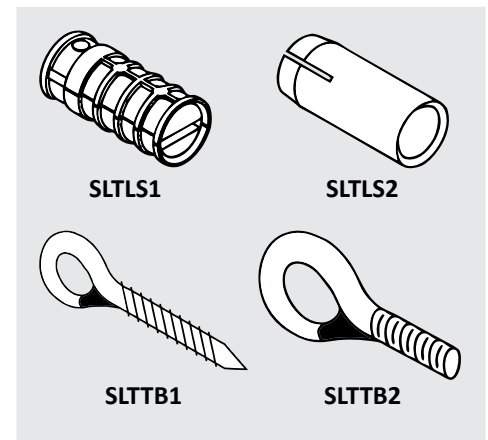
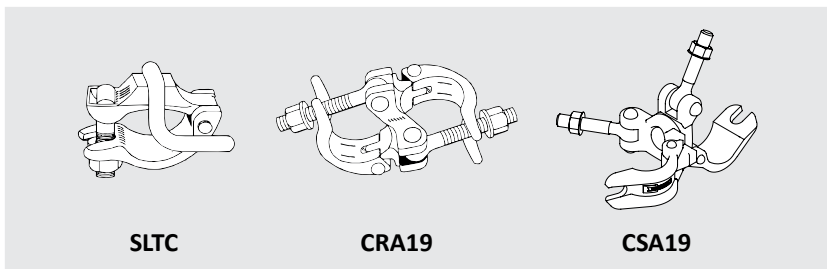


For clamping adjacent legs

Required for stacking one frame on top of another. Collar separates frame legs by 1" and must be considered in figuring scaffold heights.

## Scaffold Tie Components

Part No.	Description	Dimension	Weight
SLTLS1	Tie Shield Anchor - LAG	1¾" (L)	0.06 lbs.
SLTLS2	Tie Shield Anchor - Machine Thread	19/16" (L)	0.06 lbs.
SLTTB1	Welded Tie Eye Bolt - LAG	43/8" (L)	0.13 lbs.
SLTTB2	Welded Tie Eye Bolt - Machine Thread	21/2" (L)	0.12 lbs.
SLTT	SL Frame Tie Tube	19½" (Dim "A")	4.6 lbs.
SLTT1	SL Frame Tie Tube	43¼" (Dim "A")	9.7 lbs.
SLTC	SL Frame 1.90 Tie Clamp		3.1 lbs.
CRA19	Right Angle Clamp		3.0 lbs.
CSA19	Swivel Clamp		3.5 lbs.
CRA2B	Beam Clamp		3.9 lbs.
TT2	Tie Tube	24"	4.9 lbs.
TT3	Tie Tube	36"	6.8 lbs.
TTN	Tie Tube Nut (Marked TTN)		0.31 lbs.
SLTWB	Wall Bracket		1.56 lbs.





## Cross Braces – 2' Stud Spacing

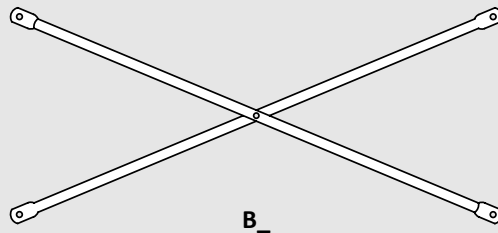
Stud Centers			2'-0"	3'-0"	3'-6"	4'-0"	5'-0"
Brace No.	Weight	Length/Dimen.					
B52	8.8 lbs.	5' × 2'	5'-0"	4'-5 <sup>21</sup> / <sub>32</sub> "	4'-1 <sup>1</sup> / <sub>8</sub> "	3'-7 <sup>1</sup> / <sub>4</sub> "	2'-0"
B62	10.2 lbs.	6' × 2'	6'-0"	5'-6 <sup>25</sup> / <sub>32</sub> "	5'-3 <sup>5</sup> / <sub>16</sub> "	4'-10 <sup>3</sup> / <sub>4</sub> "	3'-10 <sup>7</sup> / <sub>16</sub> "
B72	11.8 lbs.	7' × 2'	7'-0"	6'-7 <sup>5</sup> / <sub>8</sub> "	6'-4 <sup>5</sup> / <sub>8</sub> "	6'-1"	5'-3 <sup>1</sup> / <sub>2</sub> "
B82	13.2 lbs.	8' × 2'	8'-0"	7'-8 <sup>5</sup> / <sub>32</sub> "	7'-5 <sup>19</sup> / <sub>32</sub> "	7'-2 <sup>1</sup> / <sub>2</sub> "	6'-6 <sup>21</sup> / <sub>32</sub> "
B102	16.4 lbs.	10' × 2'	10'-0"	9'-8 <sup>31</sup> / <sub>32</sub> "	9'-6 <sup>15</sup> / <sub>16</sub> "	9'-4 <sup>9</sup> / <sub>16</sub> "	8'-10 <sup>21</sup> / <sub>32</sub> "

## Cross Braces – 3' Stud Spacing

Stud Centers			2'-0"	3'-0"	3'-6"	4'-0"	5'-0"
Brace No.	Weight	Length/Dimen.					
B53	9.6 lbs.	5' × 3'	5'-5 <sup>3</sup> / <sub>4</sub> "	5'-0"	4'-8"	4'-2 <sup>15</sup> / <sub>16</sub> "	3'-0"
B63	11 lbs.	6' × 3'	6'-4 <sup>27</sup> / <sub>32</sub> "	6'-0"	5'-8 <sup>11</sup> / <sub>16</sub> "	5'-4 <sup>5</sup> / <sub>8</sub> "	4'-5 <sup>21</sup> / <sub>32</sub> "
B73	12.2 lbs.	7' × 3'	7'-4 <sup>3</sup> / <sub>16</sub> "	7'-0"	6'-9 <sup>5</sup> / <sub>32</sub> "	6'-5 <sup>1</sup> / <sub>4</sub> "	5'-8 <sup>15</sup> / <sub>16</sub> "
B83	13.8 lbs.	8' × 3'	8'-3 <sup>23</sup> / <sub>32</sub> "	8'-0"	7'-9 <sup>9</sup> / <sub>16</sub> "	7'-6 <sup>5</sup> / <sub>8</sub> "	6'-11 <sup>3</sup> / <sub>16</sub> "
B103	16.8 lbs.	10' × 3'	10'-3"	10'-0"	9'-10 <sup>1</sup> / <sub>16</sub> "	9'-7 <sup>3</sup> / <sub>4</sub> "	9'-2"

## Cross Braces – 4' Stud Spacing

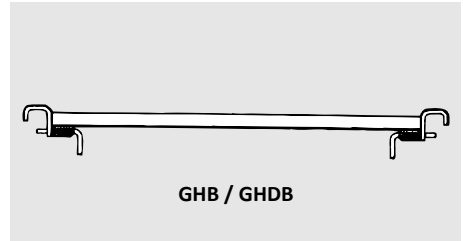
Stud Centers			2'-0"	3'-0"	3'-6"	4'-0"	5'-0"
Brace No.	Weight	Length/Dimen.					
B44	9.2 lbs.	4' × 4'	5'-3 <sup>1</sup> / <sub>2</sub> "	4'-9 <sup>17</sup> / <sub>32</sub> "	4'-5 <sup>5</sup> / <sub>16</sub> "	4'-0"	2'-7 <sup>3</sup> / <sub>4</sub> "
B54	10.4 lbs.	5' × 4'	6'-1"	5'-7"	5'-4 <sup>11</sup> / <sub>32</sub> "	5'-0"	4'-0"
B64	11.6 lbs.	6' × 4'	6'-11 <sup>1</sup> / <sub>16</sub> "	6'-6 <sup>11</sup> / <sub>16</sub> "	6'-3 <sup>21</sup> / <sub>32</sub> "	6'-0"	5'-2 <sup>11</sup> / <sub>32</sub> "
B74	13.2 lbs.	7' × 4'	7'-9 <sup>23</sup> / <sub>32</sub> "	7'-5 <sup>13</sup> / <sub>16</sub> "	7'-3 <sup>5</sup> / <sub>32</sub> "	7'-0"	6'-3 <sup>3</sup> / <sub>8</sub> "
B84	14.4 lbs.	8' × 4'	8'-8 <sup>19</sup> / <sub>32</sub> "	8'-5 <sup>3</sup> / <sub>32</sub> "	8'-2 <sup>3</sup> / <sub>4</sub> "	8'-0"	7'-4 <sup>31</sup> / <sub>32</sub> "
B104	17.2 lbs.	10' × 4'	10'-7"	10'-4 <sup>1</sup> / <sub>8</sub> "	10'-2 <sup>1</sup> / <sub>4</sub> "	10'-0"	9'-6 <sup>15</sup> / <sub>32</sub> "



## 10 Sectional Components

### Horizontal Braces (Gooser Braces)

Part No.	Description	Length	Weight
GHB4	Horizontal Brace	4'-0"	6.7 lbs.
GHB5	Horizontal Brace	5'-0"	7.8 lbs.
GHB6	Horizontal Brace	6'-0"	8.8 lbs.
GHB7	Horizontal Brace	7'-0"	10 lbs.
GHB8	Horizontal Brace	8'-0"	11 lbs.
GHB10	Horizontal Brace	10'-0"	13.2 lbs.



### Horizontal Diagonal Braces (Gooser Diagonal Braces)

Part No.	Description	Weight
GHDB7	Horizontal/Diagonal Brace for 5' × 7' tower	11.7 lbs.
GHDB8	Horizontal/Diagonal Brace for 5' × 8' tower	12.9 lbs.
GHDB10	Horizontal/Diagonal Brace for 5' × 10' tower	14.4 lbs.
GHDB37	Horizontal/Diagonal Brace for 3' × 7' tower	10.7 lbs.
GHDB427	Horizontal/Diagonal Brace for 3' 6" × 7" tower	10.9 lbs.
GHDB4210	Horizontal/Diagonal Brace for 42" × 10" tower	14 lbs.
GHDB47	Horizontal/Diagonal Brace for 4' × 7' tower	11.1 lbs.
GHDB48	Horizontal/Diagonal Brace for 4' × 8' tower	12.1 lbs.

### Straddle Trestles

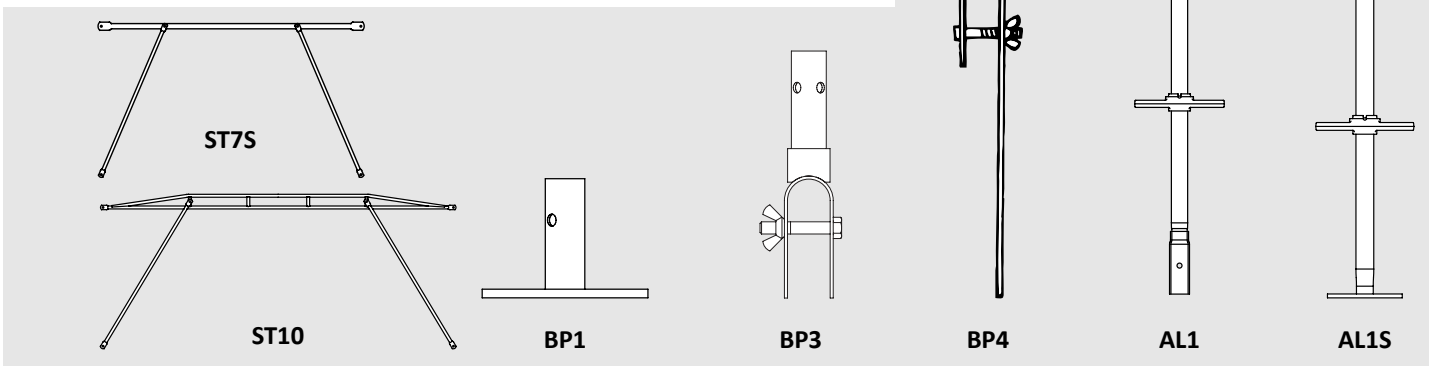
Part No.	Description	Length	Stud Center	Weight
ST7S	Straddle Trestle	7'-0" (Single horizontal bar)	4'-0"	18.5 lbs.
ST10	Straddle Trestle	10'-0"	4'-0"	24 lbs.

### Screw Jacks

Part No.	Description	Adjustment	Weight
AL1	Screw Jack (with socket)	18"	14.8 lbs.
AL1S	Screw Jack (with base plate)	18"	15.3 lbs.

### Base Plates

Part No.	Description	Weight
BP1	Base Plate - fixed	3.7 lbs.
BP3	Base Plate - curved	2.5 lbs.
BP4	Base Plate - curved, long flange	5.25 lbs.



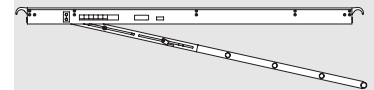
## Toeboards

Part No.	Description	Length	Weight
TBC	Toeboard Clip	--	0.3 lbs.
TBE2	End Toeboard	2'-0"	4.5 lbs.
TBE42	End Toeboard	42"	6.9 lbs.
TBE5	End Toeboard	5'-0"	9.8 lbs.
TBS7	Side Toeboard	7'-0"	13.7 lbs.
TBS10	Side Toeboard	10'-0"	28.9 lbs.

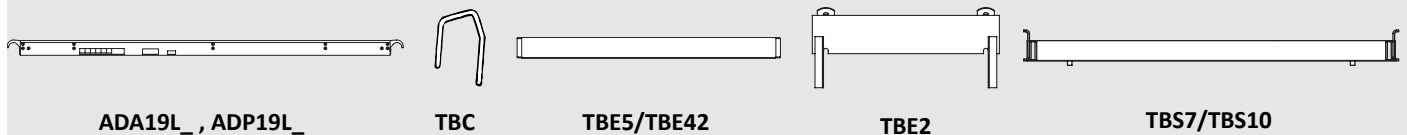
## Platform Planks and Hatch Decks

Part No.	Description	Length	Width	Weight
ADA19L_*	Scaffold Deck Aluminum	7', 8', 10'	19¼"	
ADP19L_*	Scaffold Deck, Aluminum/Plywood	7', 8', 10'	19¼"	
ADPL7H	Hatch Deck			60.6 lbs.
ADPL10H	Hatch Deck			73.3 lbs.

\* Decks are available as all aluminum extrusion or plywood deck with aluminum frame.  
Weight varies by length, deck type & manufacturer.



ADPL7H/ADPL10H



ADA19L\_, ADP19L\_

TBC

TBE5/TBE42

TBE2

TBS7/TBS10

## Side and End Brackets

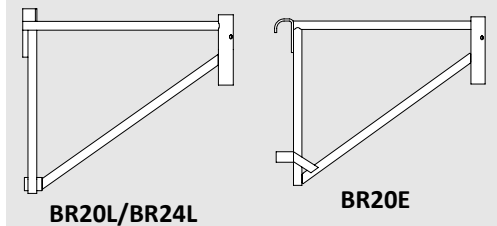
Part No.	Description	Width	Weight
BR20L	Side Bracket	20"	7.7 lbs.
BR24L	Side Bracket	24"	11 lbs.
BR30S	Side Bracket	30"	20.1 lbs.
BR20E	End Bracket	20"	7.3 lbs.
BR30E	End Bracket	30"	18.8 lbs.

### WARNING

SIDE AND END BRACKETS ARE DESIGNED TO SUPPORT PEOPLE ONLY. MATERIALS ARE NOT TO BE PLACED ON PLATFORMS SUPPORTED BY BRACKETS. BRACKETS ARE NOT TO BE USED ON ROLLING TOWERS. ALL BRACKETS INTRODUCE OVERTURNING AND/OR UPLIFT FORCES. THESE FORCES MUST BE EVALUATED AND COMPENSATED FOR WHEN BRACKETS ARE USED. CONSULT BRANDSAFWAY FOR ADDITIONAL INFORMATION.

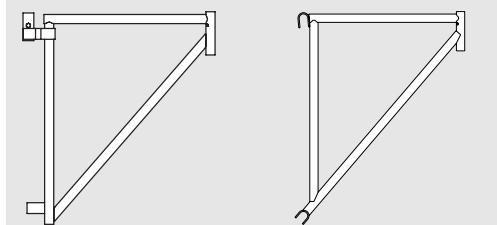
### WARNING

MAXIMUM HOIST CAPACITY: 100 LBS. LIFT MATERIAL VERTICALLY ONLY. DO NOT USE TO LIFT PEOPLE.  
ALL HOISTS INTRODUCE OVERTURNING AND/OR UPLIFT FORCES WITHIN THE SCAFFOLD ON WHICH THEY ARE MOUNTED. THESE FORCES MUST BE EVALUATED AND COMPENSATED FOR WHEN USING HOISTS.  
SCAFFOLD MUST BE TIED, GUYED OR OTHERWISE STABILIZED AT EACH HOIST LOCATION. ALL FRAMES MUST BE LOCKED TOGETHER TO PREVENT UPLIFT WHEN HOISTS ARE USED.  
CONSULT BRANDSAFWAY FOR ADDITIONAL INFORMATION.



BR20L/BR24L

BR20E

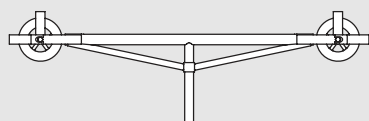


BR30S

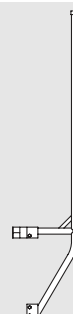
BR30E

## Hoist Arm

Part No.	Description	Weight
H3T	Hoist Arm Top	25.0 lbs.
H3B	Hoist Arm Upright	17.5 lbs.



H3T



H3B

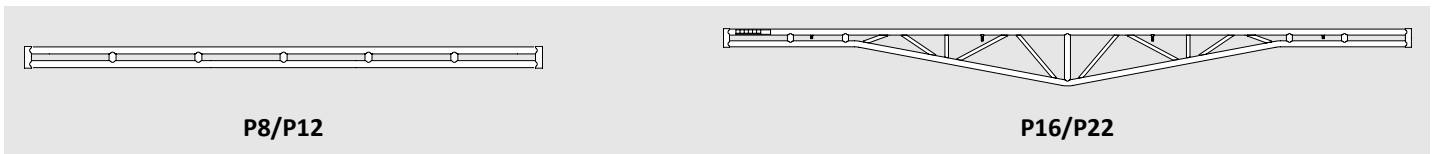
## 12 Sectional Components

### Putlogs

Part Number	Description	Length	Weight	Maximum Allowable Center Concentrated Load*	Maximum Allowable Uniform Load*
P8	Putlog	8'-0"	28.1 lbs.	950 lbs.	1900 lbs.
P12	Putlog	12'-0"	41.5 lbs.	675 lbs.	1350 lbs.
P16	Deep Truss	16'-0"	64.4 lbs.	1125 lbs.	2250 lbs.
P22	Deep Truss	22'-0"	87.5 lbs.	750 lbs.	1500 lbs.

CAUTION: Do not overload putlogs. Consult BrandSafway or ORN 133 for additional loading/bracing information.

\*At maximum span

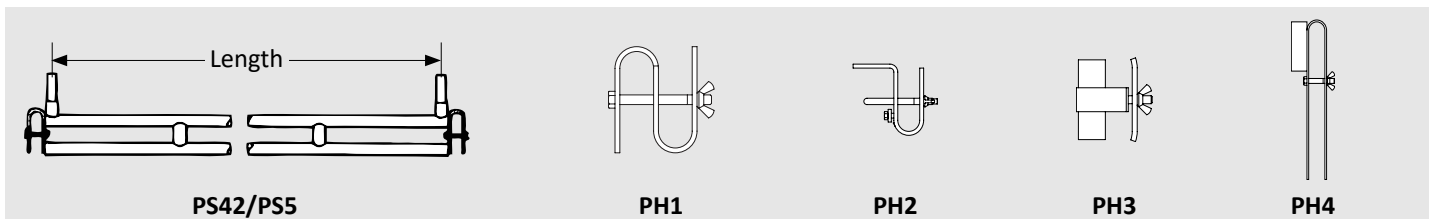


### Putlog Spreader and Accessories

Part Number	Description	Weight	Length
PS42	Putlog Spreader	21.7 lbs	42"
PS5	Putlog Spreader	24 lbs.	5'-0"
PH1	Putlog Hanger	3.4 lbs.	
PH2	Hanger	5.2 lbs.	
PH3	Guardrail Post Socket	2.3 lbs.	
PH4	Guardrail Post Socket (long flange)	5.6 lbs.	
PH5	Putlog Diagonal Knee Brace with clamps	15.4 lbs.	
PH6	Single Putlog Suspension Hanger	5.4 lbs.	
PH7	Double Putlog Suspension Hanger	8 lbs.	
BCA	Adjustable Beam Clamp	13.8 lbs.	

### Casters

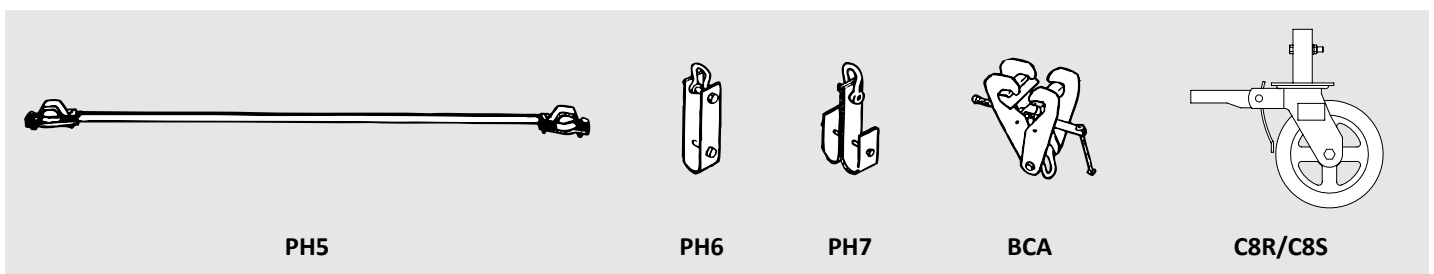
Part Number	Description	Weight	Wheel Diameter	Height to Frame Length	Caster Locks	Swivel Locks	Rolling Load Capacity	Swivel Radius*
C8R	Rubber Wheel Caster	12.5 lbs.	8"	9 $\frac{5}{16}$ "	Yes	Yes	650 lbs.	6 $\frac{3}{8}$ "
C8S	Steel Wheel Caster	16.6 lbs.	8"	9 $\frac{11}{32}$ "	Yes	Yes	1000 lbs.	5 $\frac{15}{16}$ "



Used when scaffolds are placed on putlogs over clear spans

Parallel to frame horizontal

Any angle to frame horizontal



# Frame and Cross Bracing Estimating Chart

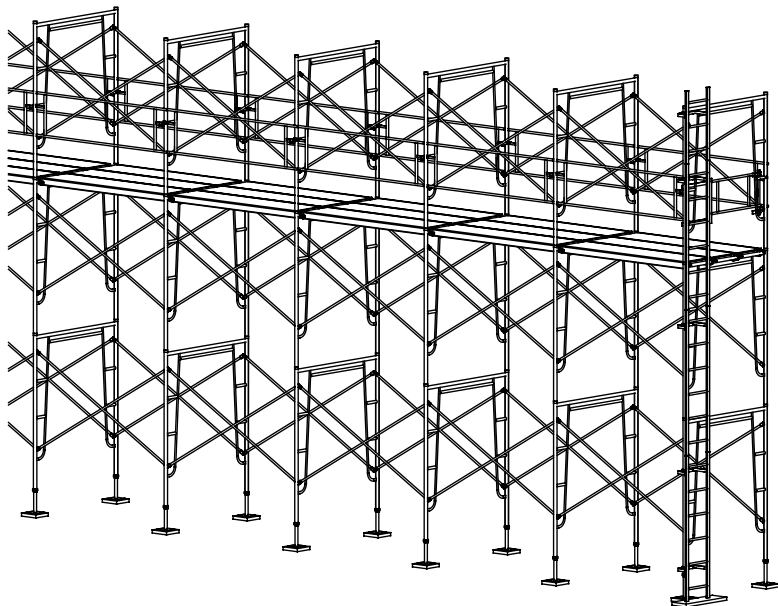
## Frames and Cross Braces Required for Various Height and Length Scaffolds<sup>(1)</sup>

Full Height <sup>(2)</sup>				Quantity Required per Length (based on 7' and 10' spacing)														
No.	5'	6' 4"		7'	14'	21'	28'	35'	42'	49'	56'	63'	70'	77'	84'	91'	98'	105'
High	Frame	Frame		10'	20'	30'	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'
1	6'-0"	7'-4"	Frames Braces	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
2	11'-1"	13'-9"	Frames Braces	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32
				4	8	12	16	20	24	28	32	36	40	44	48	52	56	60
3	16'-2"	20'-2"	Frames Braces	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48
				6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
4	21'-3"	26'-7"	Frames Braces	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64
				8	16	24	32	40	48	56	64	72	80	88	96	104	112	120
5	26'-4"	33'-0"	Frames Braces	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
				10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
6	31'-5"	39'-5"	Frames Braces	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
				12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
7	36'-6"	45'-10"	Frames Braces	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112
				14	28	42	56	70	84	98	112	126	140	154	168	182	196	210
8	41'-7"	52'-3"	Frames Braces	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128
				16	32	48	64	80	96	112	128	144	160	176	192	208	224	240
9	46'-8"	58'-8"	Frames Braces	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144
				18	36	54	72	90	108	126	144	162	180	198	216	234	252	270
10	51'-9"	65'-1"	Frames Braces	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160
				20	40	60	80	100	120	140	160	180	200	220	240	260	280	300
11	56'-10"	71'-6"	Frames Braces	22	33	44	55	66	77	88	99	110	121	132	143	154	165	176
				22	44	66	88	110	132	154	176	198	220	242	264	286	308	330
12	61'-11"	77'-11"	Frames Braces	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192
				24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
13	67'-0"	84'-4"	Frames Braces	26	39	52	65	78	91	104	117	130	143	156	169	182	195	208
				26	52	78	104	130	156	182	208	234	260	286	312	338	364	390
14	72'-1"	90'-9"	Frames Braces	28	42	56	70	84	98	112	126	140	154	168	182	196	210	224
				28	56	84	112	140	168	196	224	252	280	308	336	364	392	420
15	77'-2"	97'-2"	Frames Braces	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240
				30	60	90	120	150	180	210	240	270	300	330	360	390	420	450

Note 1: Access systems, guardrails, scaffold ties, screw jacks, coupling pins and numerous other components may be required for a complete scaffold. For specific applications, contact Safway.

Note 2: Heights include 12" of screw jack at bottom of scaffold.

Proper access must be provided.

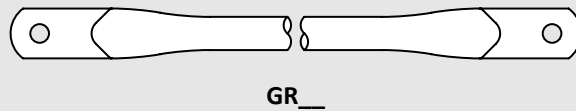


### Guardrails

Part No.	Description	Length	OD Tube	Weight
GR2	Guardrail	2'-0"	1"	1.7 lbs.
GR3	Guardrail	3'-0"	1"	2.5 lbs.
GR42	Guardrail	42"	1"	2.9 lbs.
GR4	Guardrail	4'-0"	1"	3.3 lbs.
GR5	Guardrail	5'-0"	1"	4.1 lbs.
GR6	Guardrail	6'-0"	1"	4.9 lbs.
GR7	Guardrail	7'-0"	1"	5.6 lbs.
GR8	Guardrail	8'-0"	1.25"	9.2 lbs.
GR10	Guardrail	10'-0"	1.25"	11.4 lbs.

Guardrails attach to "G" locks.

**! WARNING**  
**UNLOCKED OR MISSING GUARDRAILS**  
**CAN CAUSE SERIOUS INJURY! LOCK SLIDE**  
**MUST BE DOWN! FACE GUARDRAIL**  
**LOCKS TOWARD PLATFORM!**

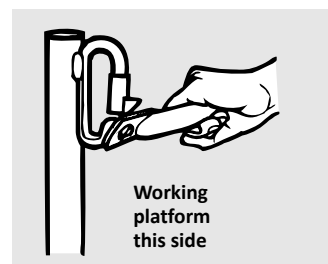
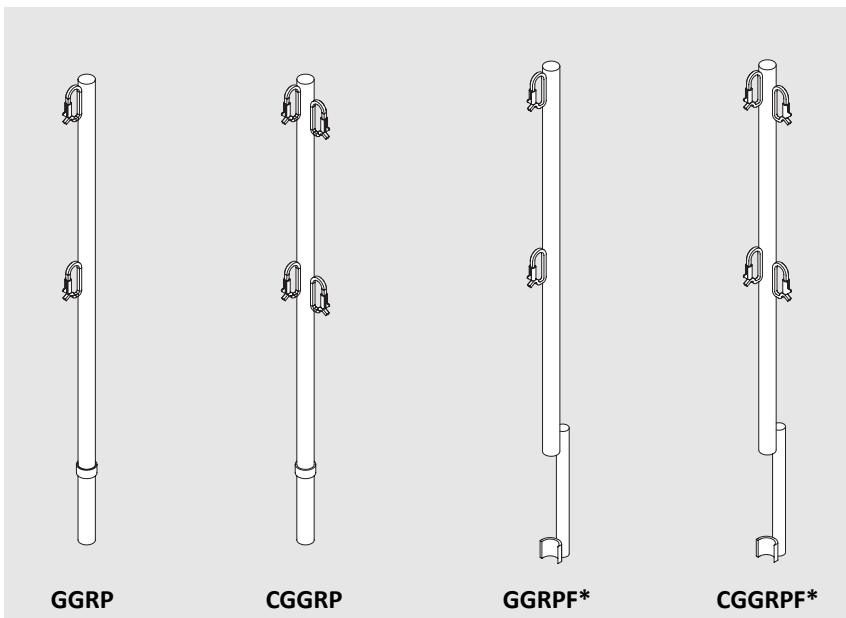


### Guardrail Posts

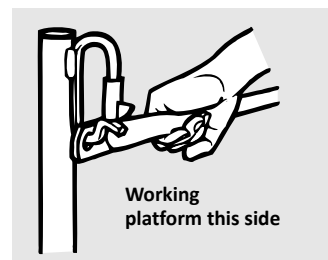
Part No.	Description	OD Tube	Weight
GGRP	"G" Lock Guardrail Post, Male	1.44"	8.9 lbs.
GGRPF*	"G" Lock Guardrail Post, Female	1.69"	9.1 lbs.
CGGRP	Corner "G" Lock Guardrail Post, Male	1.44"	9.9 lbs.
CGGRPF*	Corner "G" Lock Guardrail Post, Female	1.69"	10.1 lbs.

Male post fits into frame leg. Female post fits onto a coupling pin.

\*Will not fit LOF style frames.



Guardrail "G" opens with slight pressure. Sleeve tab must be facing as shown.

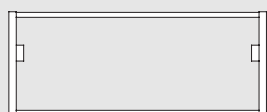


Ensure that sleeve has dropped after guardrail is installed.



## Gates and Panels

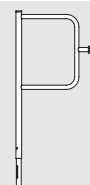
Part Number	Description	Length	Height	Weight
IGP42	Intermediate End Guardrail Panel for FOGL42 and FOGL3	2'-10"	21"	12.2 lbs.
IGP5	Intermediate End Guardrail Panel for FO & LOF Frames, 5'	4'-4"	21"	14.3 lbs.
IGP7	Intermediate Guardrail Panel for FO & LOF Frames, 7'	7'-0"	21"	16.7 lbs.
IGP8	Intermediate Guardrail Panel for FO & LOF Frames, 8'	8'-0"	21"	23.6 lbs.
IGP10	Intermediate Guardrail Panel for FO & LOF Frames, 10'	10'-0"	21"	28 lbs.
GRG5DH	Gate Panel for FO & FM Style Frames with SAU or LTUB Ladder System	5'-0"	45 $\frac{7}{8}$ "	51.3 lbs.
LAGPF	Access Gate Panel for LOF Frames	5'-0"	45 $\frac{7}{8}$ "	30 lbs.
AGPF	Access Gate Panel for RT Frames	5'-0"	45 $\frac{7}{8}$ "	29.7 lbs.
BR20GP	Bracket Guard Panel		43 $\frac{1}{2}$ "	14.2 lbs.
GRG	Gate			8.4 lbs.
GRGA	Adjustable Gate			27.9 lbs.



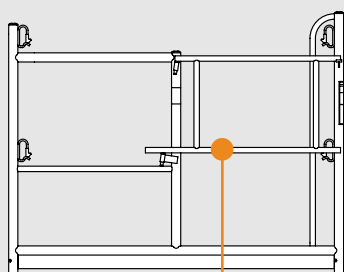
IGP42 / IGP5



IGP7 / IGP8 / IGP10

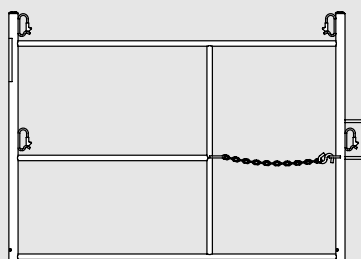


BR20GP



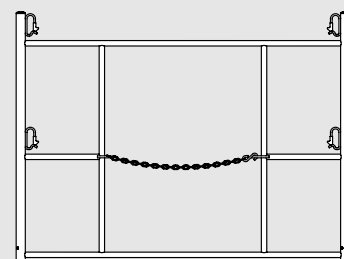
GRG5DH

GRG



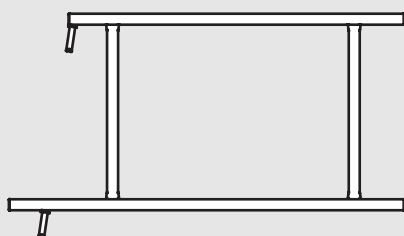
LAGPF

Use with LOF\_Frames

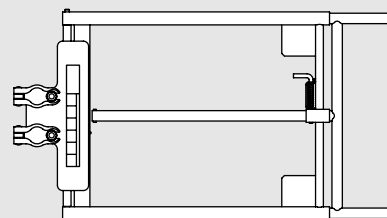


AGPF

Use with RT\_Frames



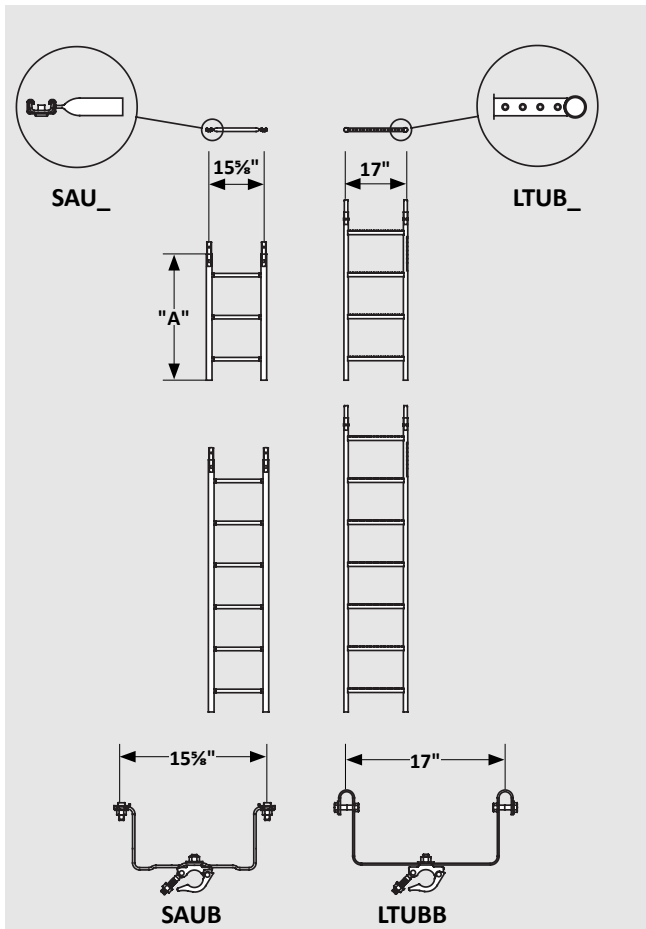
GRG



GRGA

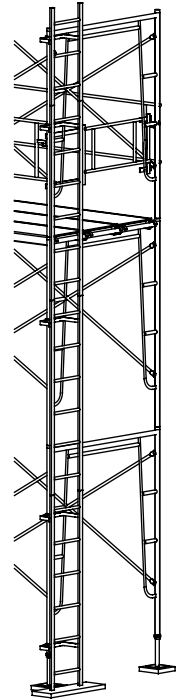
### Ladder Units and Components

Part No.	Description	Weight	Width	Rung Spacing
SAU3*	Access Ladder Unit, 3'	9.6 lbs.	15 $\frac{5}{8}$ "	12"
SAU6*	Access Ladder Unit, 6'	18.3 lbs.	15 $\frac{5}{8}$ "	12"
SAUB	Access Ladder Bracket	5.8 lbs.		
LTUB4**	Tubular Ladder Unit 4'	14.2 lbs.	17"	12"
LTUB7**	Tubular Ladder Unit 7'	24.1 lbs.	17"	12"
LTUBB	Tubular Ladder Bracket	6.8 lbs.		



\*Must be installed with SAUB brackets. Will attach to SAU ladder sections at any elevation and clamp to either a standard scaffold leg or header bar. Will also attach to Tube & Clamp tubing. Provides 7" toe clearance.

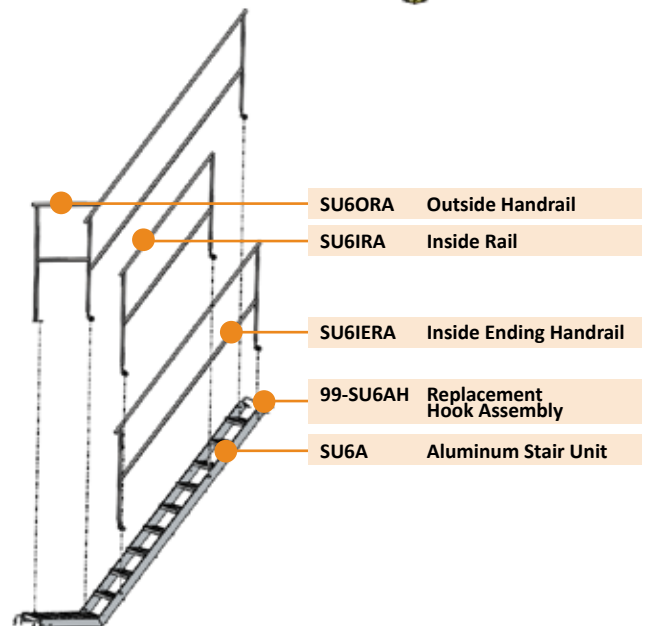
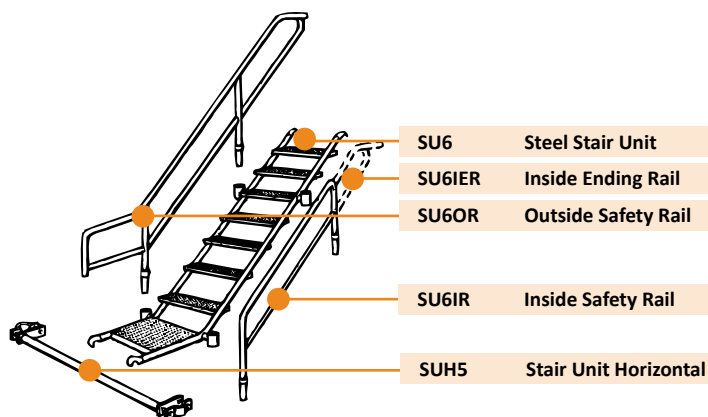
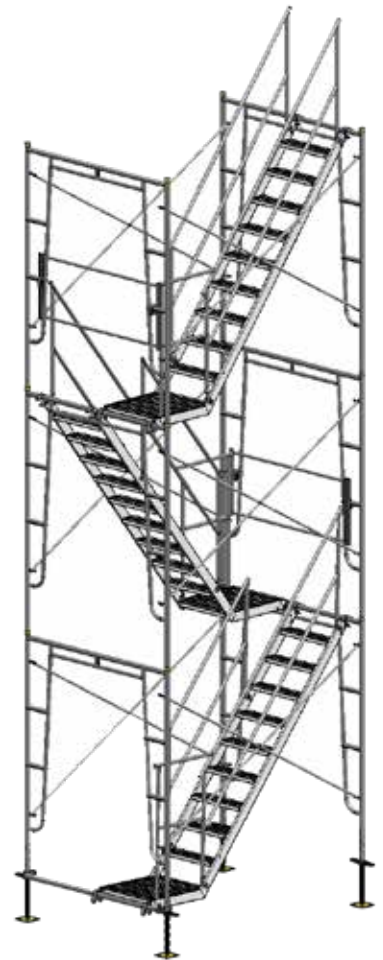
\*\*Must be installed with LTUBB brackets. Two brackets are required on base ladder section; one on each additional section for both types.



### Stair Units and Safety Rails

Part No.	Description	Weight
SU5	Stair Unit for use with 5' frames on 7' spacing	68.2 lbs.
SU6	Stair Unit for use with 6' 4" frames on 7' spacing	83 lbs.
SUH5	Stair Unit Horizontal	10.7 lbs.
SU5IER	Inside Ending Rail for SU5	33 lbs.
SU5IR	Inside Safety Rail for SU5	16.9 lbs.
SU5OR	Outside Safety Rail for SU5	30.8 lbs.
SU6IER	Inside Ending Rail for SU6	25 lbs.
SU6IR	Inside Safety Rail for SU6	18 lbs.
SU6OR	Outside Safety Rail for SU6	31 lbs.
SU6A	Aluminum Stair Unit	43.4 lbs
SU6IERA	Inside Ending Handrail	19.3 lbs.
SU6IRA	Inside Rail	14.6 lbs.
SU6ORA	Outside Handrail	27.8 lbs
99-SU6AH	Replacement Hook Assembly	2.4 lbs.

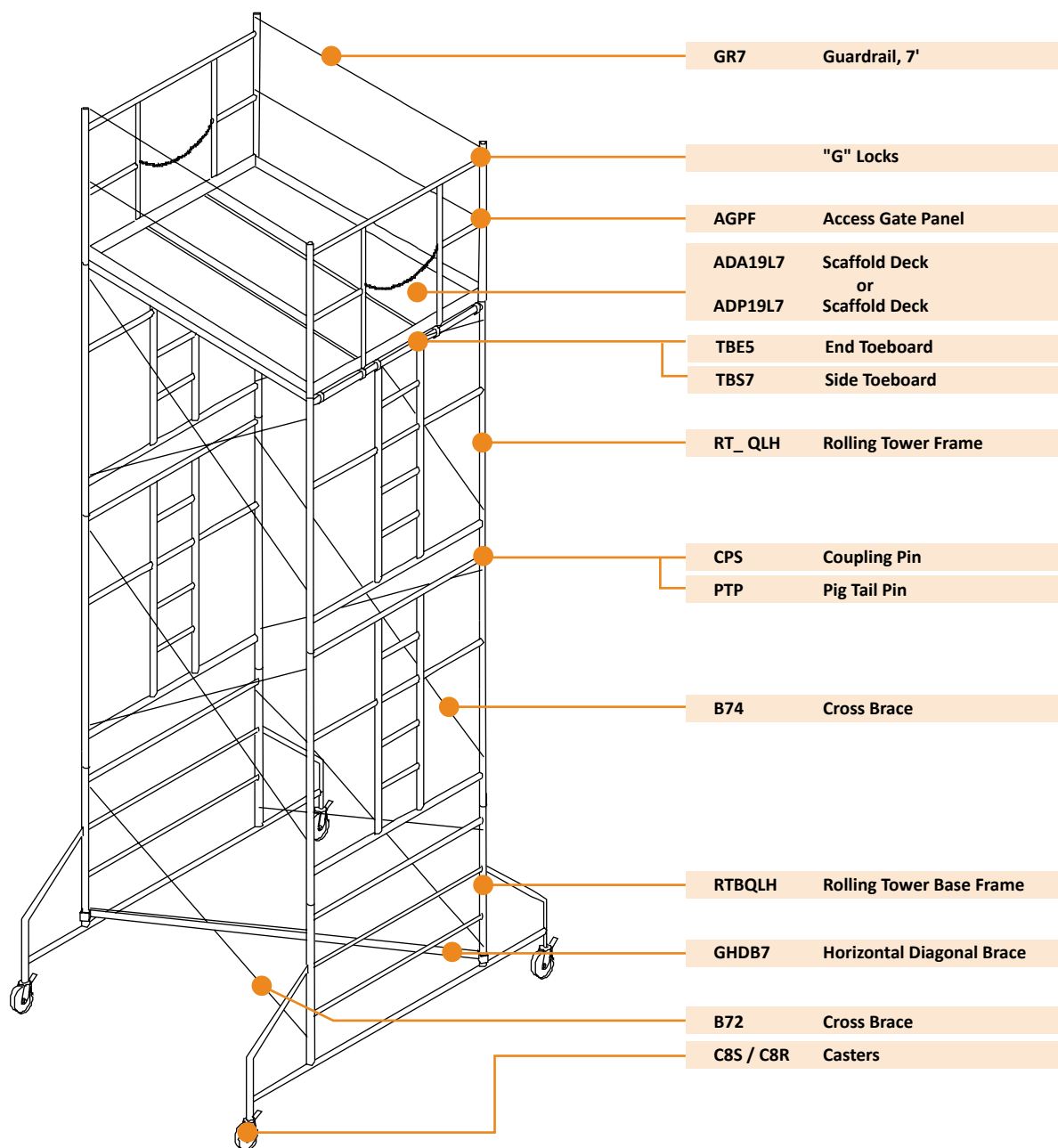
Provides an interior stairway with scaffold bays. SUH5 horizontal brace is used on bottom scaffold frame as base for attaching lowest stair unit. Note: Inside ending rails to be used for exit/entrance perpendicular to frame.



## 18 Rolling Towers

The Rolling Tower System with our Rolling Tower Base Frame provides extra stability that is cost-effective. Previously, extra stability required extra components such as outrigger attachments, extra casters and cross braces, plus the added labor to assemble these components.

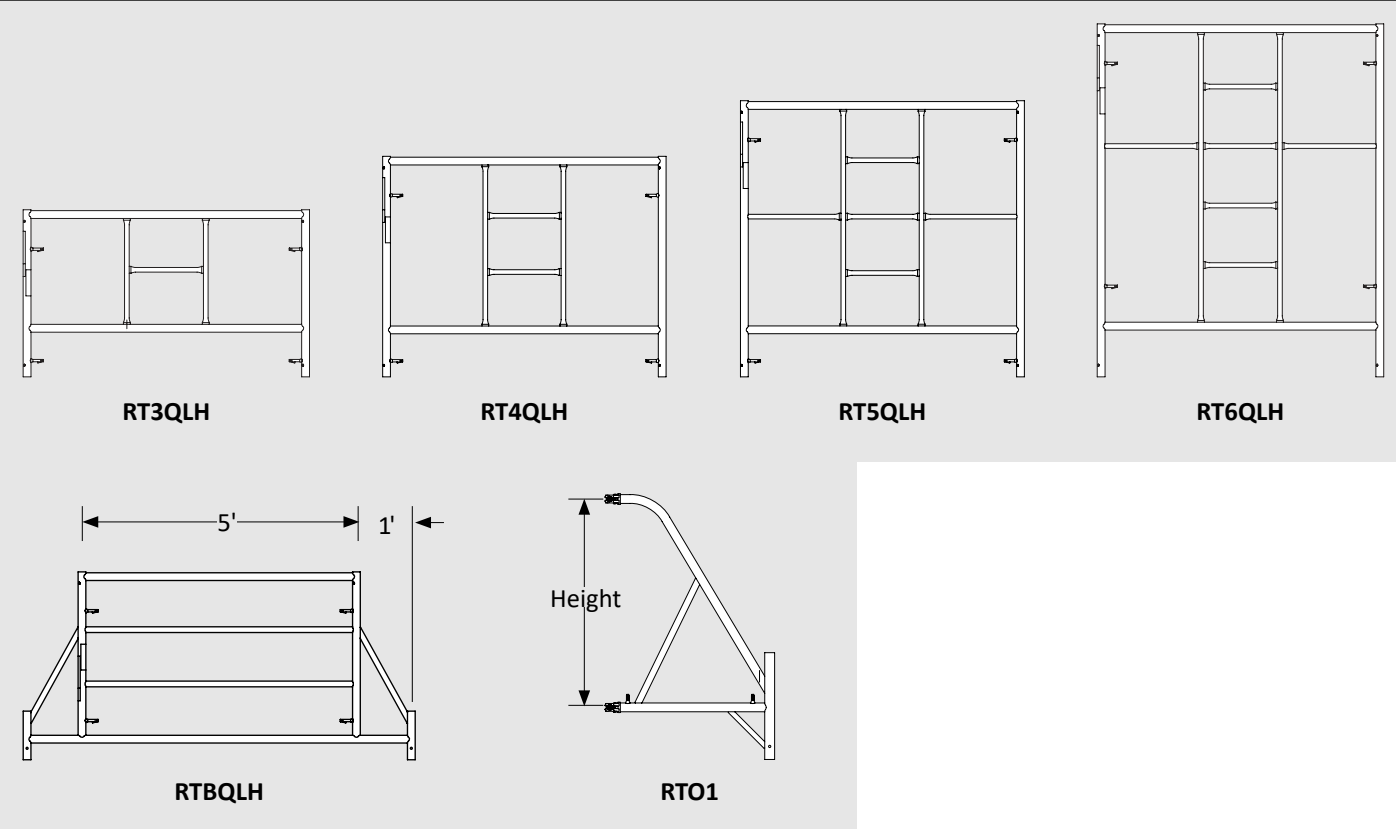
The convenience of the base frames, access frames and fabricated planks gives you the lowest cost, most quickly erected, stable rolling tower with its base dimensions in the industry. Wall surfaces are now within an arm's reach and are as easy to work on as the overhead jobs.



# Rolling Towers

## Rolling Tower Frames

Part No.	Description	Height	Stud Spacing	Width	Weight
RT3QLH	Rolling Tower Frame	3'-0"	2'-0"	5'-0"	30.2 lbs.
RT4QLH	Rolling Tower Frame	4'-0"	3'-0"	5'-0"	36 lbs.
RT5QLH	Rolling Tower Frame	5'-0"	4'-0"	5'-0"	44.2 lbs.
RT6QLH	Rolling Tower Frame	6'-4"	4'-0"	5'-0"	51.6 lbs.
RTBQLH	Rolling Tower Base Frame	3'-5"	2'-0"	7'-0"	45.1 lbs.
RTO1	Detachable Outrigger	3'-4"	2'-0"	2'-6"	25 lbs.



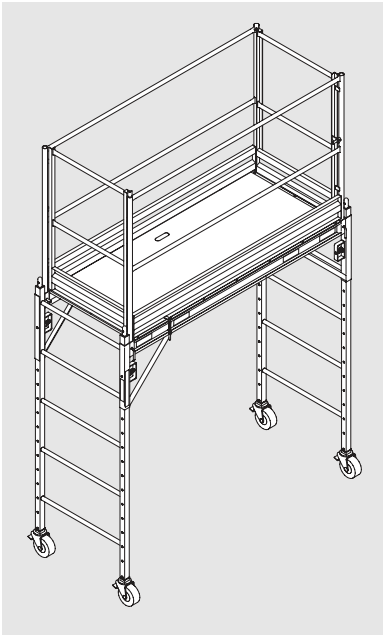
## Mobile Work Platform (Order Kit SWP)

Part No.	Quantity	Description	Weight (each)
SWPF6	2	6' end ladder frames	26 lbs.
SWPPS	2	Side braces	22 lbs.
SWPP	1	Plywood platform	30 lbs.
SWPC5R	4	Swivel caster w/ locks	6 lbs.
SP	4	Snap Pins	0.1 lbs.

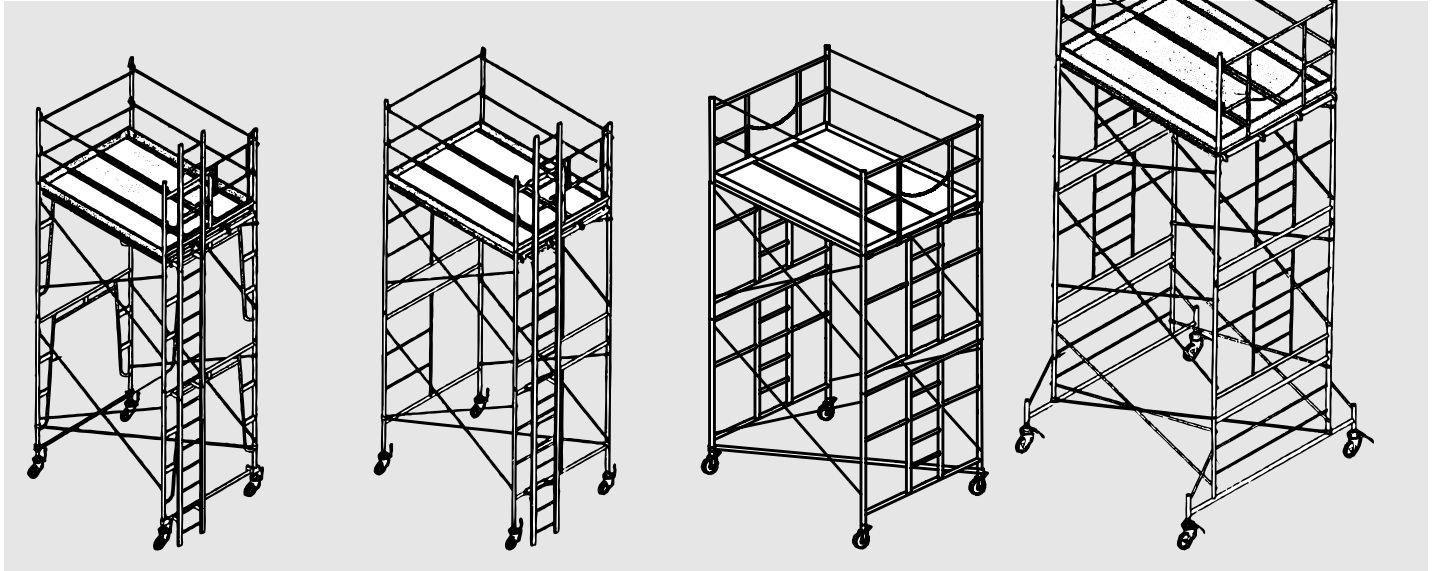
## Guardrail Panel Assembly (Order Kit SWPGRA)

Part No.	Quantity	Description	Weight (each)
SWPGRP	2	6' guardrail panel	36 lbs.
SWPHP	4	Hinge Pins	0.1 lbs.

Mobile Work Platform, 6' high: a convenient, easy-to-use utility scaffold



## 20 Rolling Tower Configurations

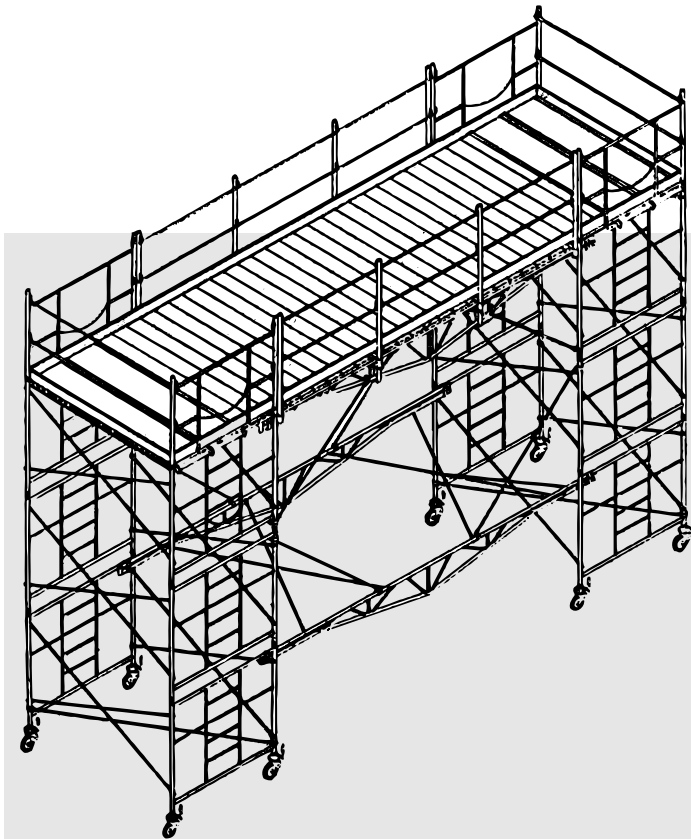


13'-7" high: Open End  
Frame Rolling Tower  
with ladder attached

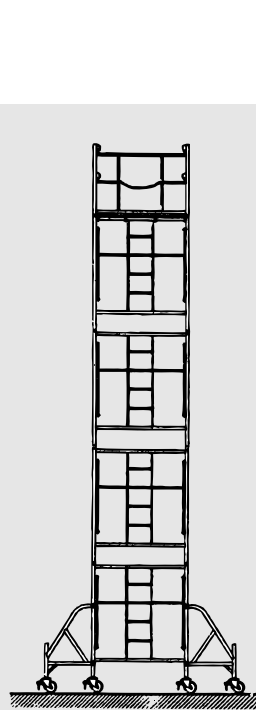
13'-7" high: Mason  
Frame Rolling Tower  
with ladder attached

13'-7" high: Rolling  
Tower Frame Tower

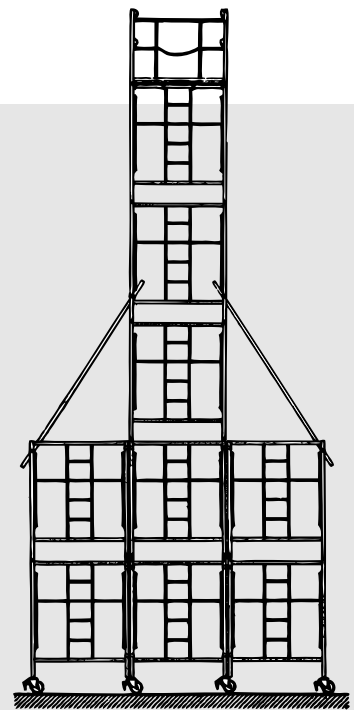
17'-2" high: Rolling  
Tower Frame Tower  
with the Rolling  
Tower Base Frame



20' high × 10' deep × 25' wide: Rolling Tower using  
RT Frames and Putlogs. This massive rolling tower  
would move over obstacles 14' 6" wide by 5' high  
such as seating areas in churches and auditoriums.



26'-4" high: Rolling Tower  
with RT Frames and  
Rolling Tower Base Frame



32'-9" high: Rolling  
Tower with a 15' wide ×  
10' deep base using RT  
Frames



This image shows a full page of blank graph paper. The top portion of the page features horizontal ruling lines, while the bottom two-thirds are covered by a uniform square grid. The grid consists of small squares, suitable for technical drawing or mathematics. There are no margins, text, or other markings on the page.

This image shows a full page of blank graph paper. The top portion of the page contains several horizontal ruling lines, while the bottom two-thirds of the page are covered by a uniform grid of small squares. The grid consists of approximately 20 columns and 30 rows of squares. The entire page is enclosed within a thin black border.

# Sectional Scaffolds Safety Guidelines

Scaffold safety is everyone's responsibility. Everyone's safety depends upon the design, erection, use and dismantling of scaffold by **Competent Persons only**. Inspect your scaffold before each use to see that the assembly has not been altered and is safe for your use.



## WARNING

**SERIOUS INJURY OR DEATH CAN RESULT FROM YOUR FAILURE TO FAMILIARIZE YOURSELF AND COMPLY WITH ALL APPLICABLE SAFETY REQUIREMENTS OF FEDERAL, STATE, PROVINCIAL AND LOCAL REGULATIONS AND THESE SAFETY GUIDELINES BEFORE ERECTING, USING OR DISMANTLING THIS SCAFFOLD.**

### Safety must come first!

Safway® equipment is designed and manufactured with the user in mind. The safety that goes into each piece of equipment, however, cannot offset carelessness on the part of the erector or the user. **Follow these safety guidelines in order to prevent injury** to the users of Safway equipment.

Scaffold design must include analysis of load carrying members by properly qualified personnel. Safway component load capacity and weight information is available from Safway. Scaffolds must be erected, used, moved and disassembled only under the supervision of Competent Persons.

### I. Erection Of Sectional Scaffolds

#### A. Prior To Erection - All Scaffold Assemblies

1. Job site must be inspected to determine ground conditions, strength of supporting structure, fall arrest anchor points, proximity of electric power lines, overhead obstructions, wind conditions, and the need for overhead or weather protection. These conditions must be evaluated and adequately addressed.
2. Frame spacing and sill size can only be determined after the total loads to be imposed on the scaffold and the weight of the scaffold have been calculated.
3. Stationary scaffolds more than 125 ft. in height must be designed by a professional engineer.
4. All equipment must be inspected to see that it is in good condition and is serviceable. Damaged or deteriorated equipment must not be used.



## WARNING

**NOT ALL SPECIES AND GRADES OF LUMBER CAN BE USED AS SCAFFOLD PLANK. WOOD PLANKS USED FOR SCAFFOLDS MUST BE GRADED AS SCAFFOLD PLANK BY AN APPROVED GRADING AGENCY OR SPECIFICALLY MANUFACTURED FOR SCAFFOLD USE.**

5. Scaffold plank must be inspected to see that it is graded as scaffold plank, is sound and in good condition, and is free from saw cuts, cracks, notches, splits, delaminations and holes.
6. A fully qualified and Competent Person can deviate from these guidelines only if it can

be shown that the resulting scaffold design complies with applicable codes and generally accepted scaffold engineering practices.

7. The scaffold assembly must be designed to comply with federal, state, provincial and local requirements.

#### B. Erection Of Fixed Scaffold



**WARNING**  
**FALL ARREST EQUIPMENT ATTACHED TO SCAFFOLD MAY NOT PREVENT SERIOUS INJURY OR DEATH IF A FALL OCCURS.**

Scaffold must be erected, moved or disassembled only under the supervision of Competent Persons. Safety equipment including safety glasses and hard hats must be worn by all persons erecting, moving, dismantling or using scaffolds.

1. All scaffold legs require the use of a base plate **and** a mudsill or other adequate firm foundation. Base plates must be in firm contact with the sills/foundation and frame legs and should be centered on the sills. Be especially careful when scaffolds are to be erected on soft or frozen ground. Any part of a building or structure used to support the scaffold must be capable of supporting the load to be applied.
2. Compensate for uneven ground by using screw jacks and base plates, and sills if required by ground conditions. **Do not use** unstable objects such as blocks, loose bricks, and similar objects or materials.
3. Plumb and level scaffold. Be sure scaffold stays plumb and level as erection progresses.
4. Ties, guys, bracing and/or outriggers may be needed to assure a safe, stable scaffold assembly. The height of the scaffold in relation to the minimum base width, wind loads, the use of brackets or cantilevered platforms, and imposed scaffold loads determines the need for sway and stability bracing. The following general guidelines apply:
  - a. A scaffold must always be secured when the height of the scaffold exceeds 4 times the minimum base width. See Footnote 1.



**WARNING**  
**OUTRIGGERS, OR OTHER MEANS, MAY BE USED TO INCREASE THE MINIMUM BASE DIMENSION OF A SCAFFOLD TOWER. THE RESULTING BASE DIMENSION, HOWEVER, MAY NO LONGER BE THE MINIMUM (OR LIMITING) BASE DIMENSION.**

- b. Ties must be placed as near as possible to horizontal members. The bottom tie must be placed no higher than 4 times the minimum scaffold base width. Subsequent vertical tie placement will depend upon the scaffold width. Scaffolds 3 ft. and narrower must be tied at vertical intervals no more than 20 ft. apart. Scaffolds wider than 3 ft. must be tied at vertical intervals no more than 26 ft. apart. The uppermost tie should be placed as close to the top as possible and, in no case, more than 4 times the minimum base width from the top. See Footnote 1.

- c. Horizontal ties must be placed at the ends of the scaffold runs and at no more than 30 ft. horizontal intervals in between.
  - d. Ties must be installed as the erection progresses and not removed until scaffold is dismantled to that height.
  - e. Side brackets, cantilevered platforms, pulleys, hoist arms, enclosed scaffolds, sloped surfaces, and windy conditions introduce overturning and uplift forces which must be considered and compensated for. These situations require additional bracing, tying or guying.
  - f. Circular scaffolds erected completely around or within a structure may be restrained from tipping by use of "stand off" bracing members.
  - g. A free standing tower must be guyed at the intervals outlined above or otherwise restrained to prevent tipping or overturning.
5. Outrigger frames or outrigger units can be used to increase the minimum base width. If used on a free standing tower, they must be installed on both sides of the tower.
  6. Work platforms must be fully decked with platform units in good, sound condition. Platform units may be individual scaffold grade wood planks, fabricated plank, fabricated scaffold decks or fabricated scaffold platforms.
    - a. Scaffold platforms and walkways must be at least 18 in. wide.
    - b. Each end of each plank must overlap its support by a minimum of 6 in. or be cleated.
    - c. Each end of each platform 10 ft. long or less must overhang its supports by no more than 12 in. Each end of each platform longer than 10 ft. must overhang its supports by no more than 18 in. Larger overhangs must be guarded to prevent access to the overhang. Materials must not be stored on overhangs. Do not stand on platform overhangs.
    - d. Each plank on a continuous run scaffold must extend over its supports by at least 6 in. and overlap each other by at least 12 in.
    - e. Spans of 2 in. by 10 in. nominal scaffold grade plank must never exceed 10 ft. No more than one person must stand on an individual plank at one time. Loads on planks must be evenly distributed and not exceed the allowable loads for type of plank being used.
    - f. Secure platform units to scaffold to prevent uplift caused by high winds or other job site conditions. Use latches, if supplied by platform manufacturer, or other suitable means.
  7. Guardrails must be used on all open sides and ends of scaffold platforms. Both top and midrails are required. Local codes specify minimum heights where guardrails are required. Use at lower heights if falls can cause injury.
  8. Toeboards must be installed whenever people are required to work or pass under a scaffold platform. When materials are to be stacked higher than the toeboard, screening is required from the toeboard or platform to the top guardrail.

9. Access must be provided to all work platforms. If access is not available from the structure, access ladder units or stairways must be provided. When access ladder units are provided, a rest platform must be installed at vertical intervals of 35 ft. or less. Attachable ladder units must extend at least 3 ft. above platforms. Install access ladder units as scaffold erection progresses.
10. Use fabricated decks or cleated plank to minimize platform interference in access areas.
11. **Do not** store materials on side or end bracket platforms.
12. Cantilevered platforms must be specifically designed for that purpose, the frames pinned to prevent uplift and adequate ties provided to prevent overturning.
13. Materials must never be placed on cantilevered platforms unless the assembly has been designed to support material loads by a qualified person. These types of platforms cause overturning and uplift forces which must be compensated for.
14. After erecting scaffold, be sure screw jacks are in firm contact with frame legs.
15. Special care must be taken when putlogs are used:
  - a. Putlogs must only be mounted using putlog hangers, with all bolts and nuts installed and tightened.
  - b. Putlogs must overhang their supports by at least 6 in.
  - c. Lateral bracing and kneebracing are both required for putlog spans greater than 10 ft.
  - d. Putlogs used as side or end brackets require special mountings and special bracing.
16. **Do not** install platforms between free standing towers.
17. Material hoists and derricks should not be mounted on a scaffold unless the scaffold is specifically designed for that purpose.
18. **Check the entire scaffold assembly before use.** Thoroughly inspect the completed assembly to see that it complies with all safety codes, all fasteners are in place and tightened, it is level and plumb, work platforms are fully decked, guardrails are in place, and safe access is provided.

### C. Erection Of Rolling Scaffolds

The following additional precautions apply to the erection of rolling towers:

1. Height of the rolling tower must not exceed 4 times its minimum base width, or 40 ft., whichever is lower. See Footnote 1.

**⚠ WARNING**  
**THE LOAD RATING OF THE CASTERS USED WILL LIMIT THE SIZE, CONFIGURATION, AND LOAD CAPACITY OF THE ROLLING TOWER.**

2. Secure all casters to frame legs or screw jacks with a nut and bolt or other secure means.
3. Screw jacks must not increase the height of the scaffold by more than 12 in. Towers must be kept level and plumb at all times.
4. Horizontal diagonal bracing must be used at the bottom and top of rolling towers where the top work platform is more than 9 ft. above the surface. When rolling towers are to be erected

higher than 9 ft., the first brace must be no more than 2 ft. above the casters, the others at no greater than 21 ft. intervals above. Fabricated planks with hooks may be used as diagonal braces.

5. All frames must be fully cross-braced.
6. Platform units with hooks, or cleated planks, must be used on rolling towers.

## II. Use Of Sectional Scaffolds

### A. All Scaffolds

1. Before you use the scaffold, a Competent Person must: inspect the scaffold assembly to be sure it has not been altered, is assembled correctly, is level and plumb, all base plates are in firm contact with sills, all bracing is in place and securely tightened, all platforms are fully decked, all guardrails are in place, safe access is provided, it is properly tied and/or guyed, there are no overhead obstructions, there are no energized electric power lines within 10 ft. of the scaffold assembly, and correct any deficiencies prior to use.
2. Use only proper access. Do not climb cross braces. Do not climb any scaffold component unless it is specifically designed for that purpose. Do not stand on platform overhangs.
3. Climb safely!
  - a. Face the rungs as you climb up or down.
  - b. Use both hands.
  - c. Do not try to carry materials while you climb.
  - d. Be sure of your footing and balance before you let go with your hands. Keep one hand firmly on frame or ladder at all times.
  - e. Clean shoes and rungs to avoid slipping.
4. **Do not** work on slippery platforms.
5. **Do not** overload platforms with materials. Special care must be taken when putlogs are used.
6. **Do not** store materials on platforms supported by putlogs. They are designed for personnel only.
7. **Do not** extend working heights by standing on planked guardrails, boxes, ladders or other materials on scaffold platforms.
8. **Do not** loosen, detach or remove any component of a scaffold assembly except under the supervision of a Competent Person. Components that have been removed must be replaced immediately.
9. **Do not** erect scaffold on wagons, trucks or other wheeled vehicles.
10. Stand only within the platform area; do not try to extend work area by leaning out over guardrailing.

### B. Use Of Rolling Towers

All of the above precautions plus:

1. **Do not ride manually propelled rolling scaffold. No one must be on a rolling tower while it is being moved.**
2. Lock all casters before getting on a rolling tower. Casters must be locked at all times the scaffold is not being moved.
3. **Do not** bridge between rolling towers.

4. Remove all materials from scaffold before moving a rolling tower.
5. Be sure floor surface is clear of obstructions or holes before moving scaffold.
6. Be sure there are no overhead obstructions or energized electric power lines in the path when moving a rolling tower.
7. Rolling towers must only be used on level surfaces.
8. Move rolling towers from the base level only. **Do not pull or push** from the top.

## III. Dismantling Scaffolds

The following additional precautions apply when dismantling a scaffold:

**⚠ WARNING**  
**IT MAY BE NECESSARY TO ADD PARTS TO A SCAFFOLD BEFORE IT CAN BE DISMANTLED SAFELY.**

1. **Prior to removal or loosening** of any component, consider the effect the removal of the component, or the loosening of a joint, will have on the strength of the remaining assembly.
2. Check to see if scaffold has been altered in any way which would make it unsafe. If so, reconstruct where necessary before beginning the dismantling process.
3. Use only proper access. Do not climb cross braces or vertical members. Do not climb scaffold components unless they are specifically designed for that purpose.
4. Do not remove ties until scaffold above has been removed.
5. Visually inspect each plank to be sure it is supported on both ends and is safe to stand or work on.
6. Do not accumulate removed components or equipment on the scaffold.
7. Lower components in a safe manner as soon as dismantled. Do not throw components off scaffold.
8. Stockpile dismantled equipment in an orderly manner.
9. Remove scaffold components immediately after detaching from scaffold.

Understanding and following these safety guidelines will increase your personal safety and the safety of your fellow workers.

**Footnote 1:** California and some other states require a height-to-minimum base width ratio of three to one (3:1). Refer to the governing codes for your job location.

**Footnote 2:** Additional instructions and information are available from Safway regarding:

- Training & software resources
- Competent Person training
- Step-by-step erection and disassembly videos
- Individual & group training CD programs
- Safety guidelines for each product line
- Material management & utilization software
- Equipment estimating & drafting software

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