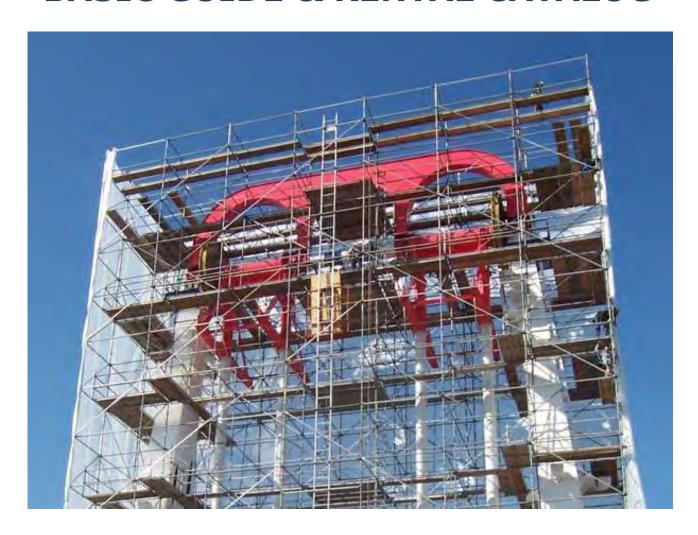


BASIC GUIDE & RENTAL CATALOG



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DISCLAIMER

It is always in your best interest to have professionals like APi Construction Scaffold Division design and install scaffolding, but if not the intention of this book is to give the customer a basic understanding of scaffolding and what is available to them to help them access the work to be preformed in a safe manor. It is not to be deemed the "bible" of scaffolding, nor is it all inclusive of all regulations. In no way shape or form does it replace the federal safety standards for scaffolds used in the construction industry covered in 1926.450 Subpart L. Nor is the guide intended to supersede any state, local or your own corporate safety policies. While we take every effort to ensure the accuracy of the information contained in our catalog, we do not accept any responsibility for anyerrors which may occur herein or for any loses of any kind that may be incurred.

A competent person must be present during erection and dismantle, inspect each day before use and during any alteration of original set. We at APi Construction Scaffold Division provide the training needed (sanctioned by the SAIA) for your company to deem you the competent person. Call for next available class.

SCAFFOLDING (scaf. fold.ing) defined as a temporary elevated platform either supported from below or suspended from above and its supporting structure (including anchorage point), used for supporting employees or material or both.





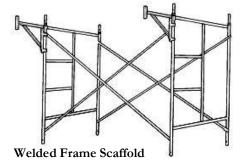


BASIC SUPPORTED SCAFFOLD TYPES

There are three basic types of scaffolding available in the United States for use in the construction industry. Most common is welded frame scaffold. For industrial type work, system scaffold along with tube and clamp are more prevalent.

Welded Frame Scaffolding

Welded frame scaffold is used where there is little restriction as to set up. They are popular with the mason, plasterers and general construction. They can be something as simple as a rolling tower or a more elaborate large platform. Welded frame scaffold is simple and fast to set to provide access to work areas. You can also purchase fiber glass and all aluminum scaffold.



System Scaffold (Ring)

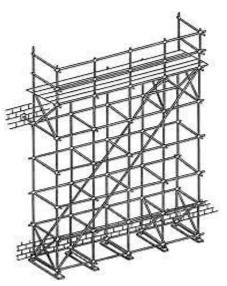
System scaffold is used where there are restrictions as to access into the build site or if obstacles like piping are in the way of a traditional set. It allows the competent person to build irregular sets such as rectangularshapes. It has various fixed lengths available and lifts are at 18" intervals. APi Construction Scaffold Division primarily uses ring scaffold, but there are many other styles of system scaffold.



System Scaffold

Tube & Clamp Scaffolding

Like system scaffold, tube and clamp is a highly versatile scaffolding, but it requires a greater expertise to erect. It mimics what was done in the old days with lumber. It takes the longest to set because of all the clamps required to securely install the scaffold. This type of system is also know as twist lock.



Tube & Clamp Scaffold



COMMONLY ASKED RULES OF SCAFFOLDING

- Towers can free stand at a height not to exceed four times your narrowest base dimension. (example a tower has a base of 5' x 7' then the tower can free stand 4x5'=20' tall).
- Ties for scaffold less than 3' wide start at 4 times the width and then every 20' vertically and every 30' horizontally. Scaffolds wider than 3' start at 4 times the width of the frame and then every 26' vertically and every 30' horizontally. More ties are required when enclosing scaffold with poly. (consult your sales rep for help).
- Guardrail/fall protection is required when the platform is at 10' (6' for residential construction) and the top rail must be between 38" to 45" above platform.
- Face guardrail is not required if the platform is within 14" of the face of the structure being worked on (18" for stucco, plaster and EIFS work).
- Guardrails must be able to with stand 200 lbs of applied force in a downward or horizontal direction at any point along the rail.— midrails 150 lbs.
- Toe boards are required on open ends when people are working underneath the scaffold. They must be able to withstand a 50lbs force.
- Spacing between platforms and supports cannot exceed 9 1/2", and no more than 1" between planks.
- Wood planks shall not be less than 6" from support point (unless cleated) and no more than 12" when overlapping to create a long platform. The minimum over lap must be 12" unless nailed together.
- Access to a platform 2' above or below any other platform shall be by portable ladders, integrated frame ladders, ramps, stairways, direct access from building or personnel hoist etc.
- When accessing with a ladder, the bottom rung cannot exceed 24", a rest platform must be provided every 35' and rungs spacing must be between 11.5" to 16.75". For an attachable ladder, the minimum rung width is 11.5" and for built-in frame ladders minimum width is 8".
- Access stairways bottom step can be a maximum 24" with a rest platform every 12', step width minimum is 16".
- Stairways must be between 40 to 60 degree from horizontal.
- Ramps or walkways more than 6' above lower levels shall have guardrails and ramp shall not exceed 1 vertical to 3 horizontal units or 20 degrees above horizontal (exception are permissible, consult with your sales rep).
- Scaffolds must have a suitable base: base plate, casters and sills if ground is other than concrete or steel.
- Dailey inspections prior to use are required. Inspection tags are available for purchase at APi Construction Scaffold Division to hangfrom scaffold.
- Scaffold must not be within 10' of any power lines.



GENERAL REQUIREMENTS FOR ERECTION, USE AND DISMANTLE OF SUPPORTED SCAFFOLD

OSHA has mandated that a competent person must be present during erection and dismantle, inspect each day before use and during any alteration of original set. API CONSTRUCTION SCAFFOLD DIVISION is sanctioned by the SAIA to provide you with classes, testing and certificate of completion of the class so that your company can deem you as a competent person. Once at a project considerations always needs to be given from site to site as to the hazards, erecting, proper use, moving and dismantling of the scaffold.



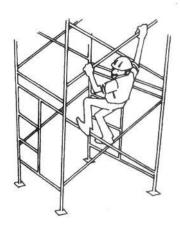
Proper planning is key to any project and the competent person needs to plan the erections of scaffold. The competent person can build scaffold up 125' with-out engineering, but once beyond that point engineers have to be involved to ensure proper loading will not be exceeded. Consideration has to be given to the base on which scaffold is to be set on, the height of the scaffold for tie in purposes and also such things as to how many levels will be decked. All these factors play into the stability of the over all set. All scaffolds need to be plumb, straight and components also checked to ensure they're in good condition be- fore used in a set. Most of all the scaffold must be set in compliance of federal, state, local and personal company policies.

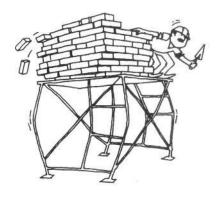
Use of Scaffolding

The scaffold is to be inspected by a competent person on a daily basis prior to each shift and corrective action must taken if issues are found. That person must also give authorization for any changes to a scaffold. Precautions must be taken when personnel are working on levels below the scaffold and also as to not to overload the scaffold which can cause failure. Never use cross braces to climb on for any reason. Never use scaffold as an anchorage for fall protection unless designed for that purpose along with manufactures authorization.

Dismantling

Prior to dismantling scaffold it should be inspected to ensure nothing has been altered especially wall ties. Since scaffold is dismantled from the top down if wall ties in the center where removed by someone else prior to dismantling and then you take off the ones at the top the scaffold the whole set would become unsafe or even worse collapse. When dismantling you are never to store dismantled items on the scaffold. All components should be lowered to the ground as they are removed.









GENERAL COMPONENTS OF SUPPORTED SCAFFOLDING FRAME & SYSTEM STYLES

In this section we will go over various components of supported scaffolding, from foundations to the accessories that will make your scaffold safe and functional. Depending from site to site, the competent person will choose the equipment that is best suited for their needs and a safe set up.

Foundation / Sills

The strength & stability of any scaffold set is dependent upon a good foundation. Many accidents occur due to a poor foundation. The competent person must understand the loads that are put on the foundations. Base plates, leveling jacks or casters are required under all scaffold sets. In soil or rocky conditions mud sills may also be required to disburse the load of a set, even asphalt will need a sill. On average the point load can only be disbursed about 14" from the center point of the leg load but a sill should have at least 9" past the center point of the leg, and when possible use a sill that spans between both legs of a frame. The use of bricks or loose gravel to level out the legs is not acceptable. With the use of leveling jacks there is only a max of 18" of jack extending from the point of the frame to the end of the jack bottom, so when you use caster jacks the max on the screw is 12" to hit the max.



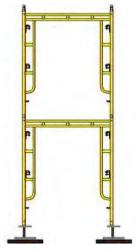


Fig 1: Small sills have a small load area and could sink if soil unstable

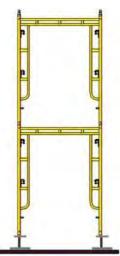
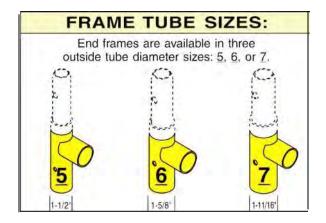


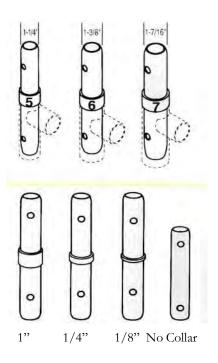
Fig 2: Large sills have a greater load area

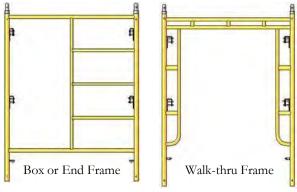


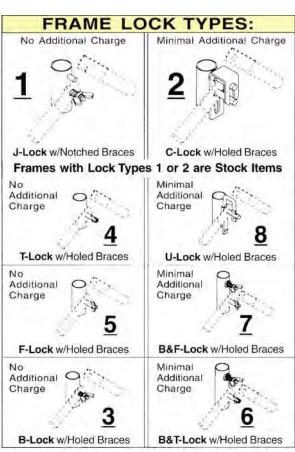
Frames

Frames come in various sizes from 2' wide to standard 5' wide and also special canopy frames that are 6' wide to make pedestrian walkways. Widths of frames are measured from center of leg to center of leg so consideration must be given in tight places when ordering frames. A 24" wide frame actually measures a little over 25" and with the base plate or jacks, the over alloutside dimension would be over 29". Frames come in two basic styles; box or end frames and also walk-thru style. Theycome in heights of 2' up to 6'7' and will stack to make any height desired for your platform. They also come in various tube diameters. APi Construction Scaffold Division uses a #7 tube with pins at a 45 degree angle. APi Construction Scaffold Division end frames come with a legal accessladder built into the frame so there is no need to rent a special bolt on ladder. Below are frame tube sizes, coupling pin size and collar types and last lock styles on frames.

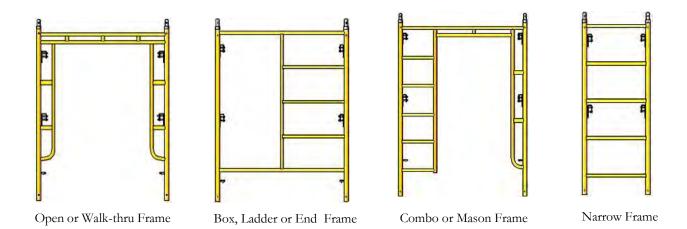












API CONSTRUCTION SCAFFOLD DIVISION RENTAL FRAMES

Part#	Type	Size	lbs	Brace Stud
F52	Ladder	5'WX2'H	26.0	1
F53	Ladder	5'WX3'H	29.5	2
F54	Ladder	5'WX4'H	36.5	3
F55	Ladder	5'WX5'H	38.0	4
F56	Ladder	5'WX6'4"H	44.0	4
FWT5	Walkthru	5'WX6'4"H	50.0	4
FWTL5	Combo	5'WX6'4"H	65.0	4
F33	Ladder	3'WX3'H	19.0	2
F35	Ladder	3'WX3'H	31.0	4
F36	Ladder	3'WX6'4"H	39.0	4
FWT3	Walkthru	3'WX6'4"H	39.0	4
F23	Ladder	2'WX3'H	16.5	2
F24	Ladder	2'WX4'H	21.00	3
F25	Ladder	2"WX5"H	25.5	4
F26	Ladder	2'WX6'4"H	33.5	4
CF	Canopy	6'WX7'6"H	60.0	4

Part#	Type	Size	lbs	Brace Stud
F42	Ladder	42"WX2'H	19	1
F43	Ladder	42"WX3'H	23	2
F44	Ladder	42"WX4'H	35.4	3
F45	Ladder	42"WX5'H	37	4
F46	Ladder	42"WX6'H	42.5	4
FWT4	Walk thru	42"WX6'4"H	43	4

Part#	Type	Size	lbs	Brace Stud
WR52	Waco	5'WX2'1"H	24	1
WR53	Waco	5'WX3'1"H	32	2
WR54	Waco	5'WX4'1"H	35	3
WR55	Waco	5'WX5'1"H	40	4
WR56	Waco	5'WX6'7"H	48.2	4
WRFWT	Waco	5'WX6'7"H	56.4	4
WRFWTL	Waco	5'WX6'7"H	56.5	4

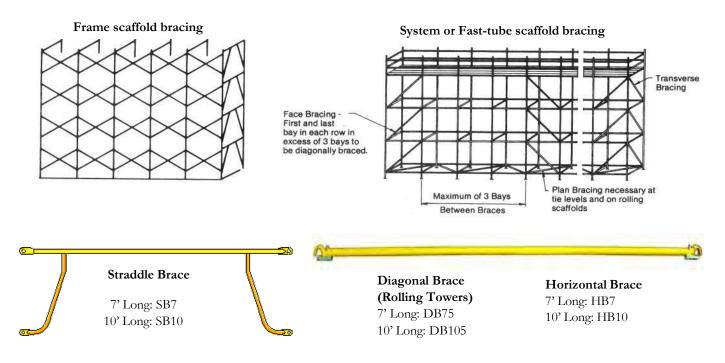
^{*}Many other frame styles & sizes available for purchase & special order

Due to the mass differences in types in style of scaffolding, we can only stock and rent just so many. Scaffolding can be special ordered to the same specs as what you may currently have in your inventory. They can also come ordered in other materials like aluminum or even fiberglass. Your APi Construction Scaffold Division rep is committed to helping you get what you need or want for your inventory so call them today.



Bracing

Bracing is a vital part of the strength and integrity of scaffolding. Bracing includes cross braces, horizontal and diagonal braces for frame scaffold, and bay brace and ledgers for system scaffold (covered later). Wall ties for right angle bracing for both. All vertical members must be braced at regular intervals. A common "don't" that happens in the field is using cross braces to climb up scaffold, THIS IS NOT ALLOWED. Bracing is required every 6'6" on the plan of the face of the scaffold. Bracing for frame scaffold is required on both face sides but not the transverse since it is built into the frame. For system or fast tube, no more than three un-braced bays between each bay braced section. The Braces should always be in at wall tie points for system & fast-tube.



Rent and stock tubular, available special order in angle iron. The brace length is determined by the plank size used. Keep in mind when wood scaffold grade planks are used, the plank must overhang a minimum of 6"and a maximum of 12" so choose a brace smaller than



		SPACE BETWEEN FRAMES											
Stud Spac		4	''0'	5	''0'	6	5'0"	7	''0' '	8	3'0"	10	0'0"
1'0"	'	B41	49 1/2"	B51	61 1/4"	B61	73"	B71	84 7/8"	B81	96 3/4"	B101	120 1/2"
2'0"	'	B42	53 7/8"	B52	64 5/8"	B62	75 7/8"	B72	88 7/8"	B82	99"	B102	122 3/8"
3'0"	'	B43	60"	B53	70"	B63	80 1/2"	B73	91 3/8"	B83	102 1/2"	B103	125 1/4"
4'0"	'	B44	67 7/8"	B54	76 7/8"	B64	86 1/2"	B74	96 3/4"	B84	107 1/4"	B104	129 1/4"



Ties

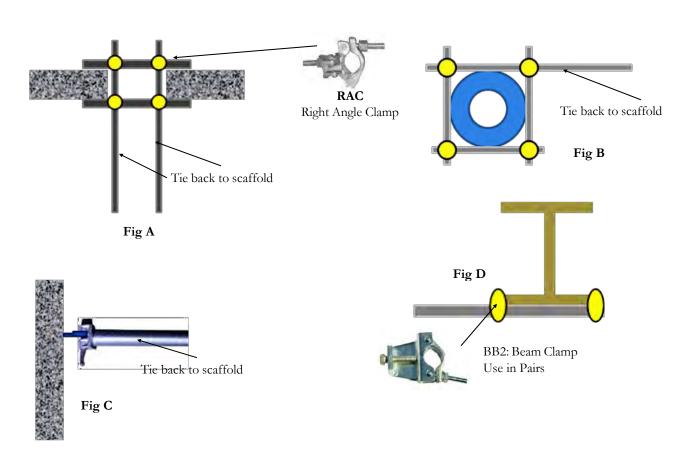
Ties are essential for the strength and safety when scaffold exceeds the 4:1 height to base ratio. Ties keep the scaffold plumb and secure it from tipping in towards the surface (compression) or pulling away from the surface (tension). This can occur due to wind loads or over loading an area. Old school is to use 2x4 studs for compression and number 9 tie wire for tension. APi Construction Scaffold Division used anchor I-bolts with a system ledger to accomplish both compression & tension.

GENERAL RULES TO FOLLOW:

- 1) All ties should be attached with load bearing clamps
- 2) The entire scaffold should be tied using the follow schedule; for scaffold less than 3' wide start at 4 times the width and then every 20' vertically and every 30' horizontally as well as both ends. Scaffolds wider than 3' start at 4 times the width of the frame and then every 26' vertically and every 30' horizontally as well as both ends. More ties are required when enclosing scaffold with poly. (consult your sales rep for help)

COMMON TYPES OF TIES:

- 1) Through Ties; where a tube is taken through any opening like a window and tightly clamped inside and outside the opening to create a positive tie. (Fig A)
- 2) Box Ties; in which tubes are used to go around columns (Fig B)
- 3) Anchor bolt ties; (most commonly used) in which I-bolt anchors are put into a structure or mortar joints to create a connecting point. The anchorage point most have a pull out force of 800 lbs for lite, 1200 lbs for medium or 1600 lbs for heavy duty scaffolds. This will require patching of holes after the anchors are removed. (Fig C)
- 4) Tube to beam ties; which you use a pair of beam clamps to secure the tube to a steel I-beam and then back to the scaffold.



Planking

Scaffold planking comes in many different styles including wood, steel and aluminum planks. Like any other scaffolding components they should be inspected prior to use and select the right plank for the right job. Hook planks can be all aluminum or aluminum sides with a ply top deck. Planks have a rating of pound per square foot (psf.). For example a 7' plank 19" wide would have an evenly distributed weight capacity of 831 pounds (1.58'x7'x75psf). Stay within the recommended loads to avoid collapse. Aluminum planks and steel planks can come with one of two hook types A or 1 which is 7/16 from top of scaffold to top of the plank and hook type B or 2 is 1 5/16 (Fig A). Type 2 hooks are used so that if you use a wood plank next to it to fill in gaps there is no tripping hazard. Wood planks can be either solid sawn or laminated veneer lumber "LVL" and come in various widths.

Fig A

Type 1 or A



Type 2 or B



Part#	Size	lbs
AP4	19"X4'	18.5
AP5	19"X5'	22.8
AP6	19"X6'	27.4
AP7	19"X7'	32
AP8	19"X8'	36.5
AP10	19"X10'	49.5

Part#	Size	lbs
AAP4	19"X4'	18.50
AAP5	19"X5'	22
AAP6	19"X6'	26.3
AAP7	19"X7'	28.9
AAP8	19"X8'	32
AAP10*	19"X10'	39.3

Part#	Size	Lbs
PAS-4	9.5"X4'	9.30
PAS-5	9.5"X5'	12
PAS-6	9.5"X6'	13.2
PAS-7	9.5"X7'	16
PAS-8	9.5"X8'	16.2
PAS-10	9.5"X10'	26

Part#	Size	lbs
PSS-3	3'X9"W	15.7
PSS-36	3'6"X9"W	17.1
PSS-4	4'X9"W	19
PSS-5	5'X9"W	23.2
PSS-6	6'X9"W	26.5
PSS-7	7'X9"W	31.2
PSS-8	8'X9"W	35.4
PSS-10	10 ' X9 " W	42.9

Part#	Size	lbs
WP4	4' Lam plank	14.5
WP6	6' Lam plank	25.2
WP8	8' Lam plank	29.44
WP9	9' Lam plank	33
WP10	10' Lam plank	36
WP12	12' Lam plank	50.4
WP16	16' Lam plank	58.88

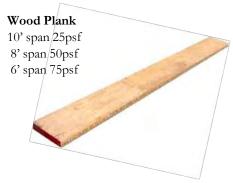




All Aluminum 1/2 Plank







CAUTION

Debris and rubble should never be allowed to accumulate on planking.

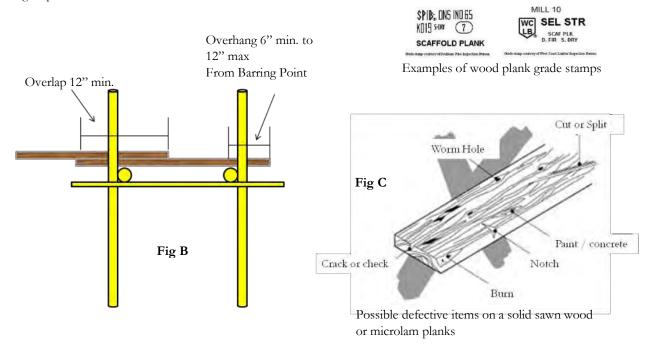
In winter conditions always keep planks free of snow and ice buildup.

On high scaffolds extra care should be taken for wind effects. All planks up high should be tie wired down or plank restraining clip used.

**Other sizes and styles of planks are available for order just call your rep to get pricing and availability

Wood Planking Special Requirements

Unlike standard hook planks that are made to fit the exact length of a frame set, wood planks have special rules that must be followed to avoid failure or fines for improper use. Most wood plank are nominal 2" x 10" and must contain a stamp stating "SCAFFOLD GRADE". Wood planks are required to extend a minimum of 6" beyond the center bearing point of the scaffold (unless cleated to prevent movement) and no more than 12"(Fig B). Inspection of the planks should be done prior to each use. Your rep should be able to provide you with a guide to inspect wood boards and for testing deflection. Figure C shows some of the thing to look for during inspection.



Large Plank



PSPS Plank Spiggot

**Use the PSPS with your normal scaffold guardrail post and rails.



Part#	Size	Lbs
AXP1408	14" X 8-13'	43.0
AXP1410	14"X 10-17'	53.0



Part#	Size	Lbs
1412	14" X 12'	38.0
2412	24" X 12'	71.0
1416	14" X 16'	56.0
2416	24" X 16'	80.0
1420	14" X 20'	81.0
2420	24" X 20'	111.0
1424	14" X 24'	96.0
2424	24" X 24'	133.0
2428	24" X 28'	188.0
2432	24" X 32'	182.0

Other sizes and styles of planks are available for order just call your rep to get pricing and availability.



Loads

The maximum load capacity of any scaffold is determined by the maximum load of the various components and by making sure you stay within those limits. A frame header can support 2,300 lbs on a 4' wide frame which can hold 2 hook planks, this doesn't mean you can load the planks with the 2,300 lbs. Both planks together can only support 1,632 lbs evenly distributed. You must also consider leg loads when building tall structures. OSHA requires a 4:1 safety factor to be used when designing scaffold. This safety fact is used in computing the load capacity of all the scaffold components that will have people working on them (material handling components are typically 2:1). In order to compute the load being applied, one must determine its

Definition of live loads

- Lite Duty: 25 lbs per square foot. (Painting & Window cleaning)
- Medium Duty: 50 lbs per square foot. (Plastering & Stucco)
- Heavy Duty: 75 lbs per square foot (Mason, Stone setter & other heavy load contractors)

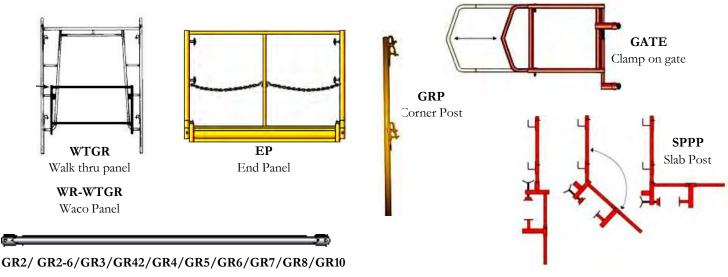
LOAD CHART FOR FRAMES *

Part#	Type	Tier 1	Tier 2	Tier 3	Tier 4
F53	3'H X 5W	4,200	3,465	3,360	2,993
F54	4'H X 5W	4,200	3,465	3,360	2,993
F55	5'H X 5W	4,043	3,360	3,213	2,835
F56	6'4"H X 5W	2,441	2,240	2,048	1,785
FWTL5	Walkthru	3,434	3,045	2,646	2,373

For towers in excess of 4 tiers high, subtract dead load weight/leg of frames, crossbraces, & brackets above fourth tier to obtain an allowable load/leg for workman, material and planking. All values are based upon a maximum of 12" extension on the leveling jacks

Guardrail & Toeboards

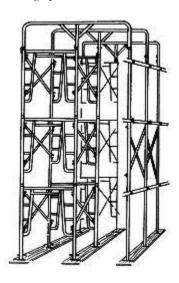
When any work platform is above 10' in height (6' for residential) guardrail & midrails are required. The height of the top rail should be between 38"-45" above the platform and the midrails should be midway between the top rail and platform. Guardrail can be omitted on the work surface side if the tower is no more than 14" from the surface (18" for stucco, plaster or EIFS). Top guardrails most be able to withstand a force without fail of 200 lbs applied in any downward or horizontal direction at any point on the guardrail. Midrails must withstand a force of 150 lbs. Toe boards are required on any open side in which there are people working below that platform. They need to be at least 3.5" tall and be able to withstand a 50 lbs of force.



^{*} The load chart above is for quick reference purposes only on what leg loads typically are, but they will differ a little from manufacturer to manufacturer and also based on tube size. Extreme caution should be used in trying to calculate leg loads for large sets. We strongly recommend that you consult your rep or an engineer for proper calculations to avoid any failures or overloading your scaffold.

Enclosures for Scaffold

When enclosing scaffold in poly the tie schedule should be increased because with poly, the wind forces on the scaffold are ex- treme, even in winds of 30 miles per hour. Thus, the tie schedule should be a minimum of every 13' vertically and 14' horizontally. The anchor points must also be able to with stand a pull force of 1500 lbs. This tie schedule is based on scaffold with a height max of 60' and winds not exceeding 30 mph. Anything greater than these numbers one should consult an engineer for a proper tie schedule and anchorage pull force.



Part#	Description	lbs
BWET	Тор	28

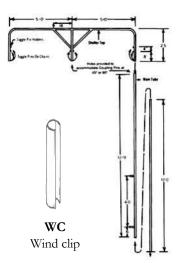
Leg

BWEL10	10' -18' Adj. Leg	31
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Extension Leg

BWEXT10	10' Ext Leg	14
BWEXT5	5' Ext Leg	7

APi Construction Scaffold Division also stocks varioussize poly along with wind clips for both frame and system scaffold





Mesh Netting

- Come in various colors
- 30%- 90% Shading
- Height 4'-10' x 150'



Debris Netting

- Come in various colors
- Knitted or 1/8 to 1/4" square
- Height 4'-12' x 150'

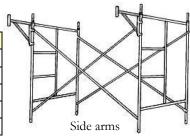


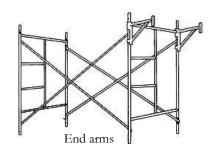
Poly - Geotarps - Airbags

Side arms & End arms

When scaffold cannot be built close to a structure or if its just for the ease of moving a work platform side arms and or end arms are a great accessory. They are for personnel only not material. Most side arms are rated for only 250 lbs. They can come rigid or adjustable. At APi Construction Scaffold Division we mainly use the adjustable.

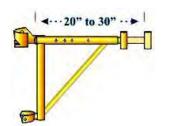
Part#	Description	lbs
SBA	20-30" Adj. Side Arm	14.0
SBA48	30-48" Adj. Side Arm	24.0
SA10	10" Side Arm	8.0
SA30	30" Side Arm	10.9
EBA	20-30" Adj. End Arm	14.0

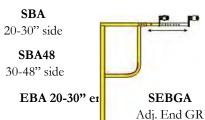




Guardrail

SBEGA	GR of adj. 20-30"	15.0
SBEGA48	GR of adj. 30-48"	19.0







Quick Frame & Brace Count Chart

The chart below can be used to determine how many frames and braces you would need to cover a certain height and length. You choose what size frame you want to use on the left and then choose what size plank. Next determine the height and length you want to achieve and were the two intersect is what you would need for frames and braces. You rep with APi Construction Scaffold Division can also help you in figuring all you equipment needs.

	EST	IMAT	ING		Length based on 6' 7' 8' or 10' spacing between frames																						
	(CHAR	T		10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230
	Tot	al Hei	ight		8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176	184
No.	A ^t	5'	6'4"	Qry	7	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112	119	126	133	140	147	154	161
High	4)	04	Used	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138
t	4'0	5'0	6'4	Frame	2	3	4	5	6	7.	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
•	10	50	0.1	Brace	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
2	8'1	10'1	12'9	Frame	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
	7.4		3	Besce	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92
3	12'2	15'2	19'2	Frame	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72
		-1	4	Base	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	_	108	114		126	-	
4	16'3	20'3	25'7	Frame	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96
		4.5		Brace	8	16	24	32	40	48	56	64	72	80	88	96	104	112		128	136	117.11		160			
5	20'4	25'4	32'0	Frame	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	1000	110	2.00	120
Η				Brace	10	20	30	40	50	60	70	80	90	100	110			140		160		180	190		210		230
6	24'5	30'5	38'5	Frame	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	50.0	144
				Brace	12	24	36	48 35	60	72	84	96	108		132	100				192				240	252		276
7	28'6	35'6	44'10	Frame	14	21 28	28	1	42	49	56	63	70	77	84	91	98	105	1000	K. L.	126		140	muu	154 294	00.0	168
				Brace	14	24	32	56 40	70 48	56	98 64	72	126	140 88	154 96	168		196 120	210 128	224 136	238 144	252 152	266 160	280 168	176	5.00	322 192
8	32'7	40'7	51'3	Frame	16	32	48	64	80	96	112	128	144	160	1	192	0.03	0.00	THE STATE OF	256	272		304	1000	336	8-5-7	1000
	No.		22.5	Frame	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144	153	162	171	180	-	198	5.00	216
9	36'8	45'8	57'8	Brace	18	36	54	72	90	108	126	102.4	162	180	10.00	216	2007	1000		100	306	324	200	200	378		7. 10
10	1010	5010	2.00	Frame	20	30	40	50	60	70	80	90	100	110	120	130			160	170	180	190	200	210	220	230	240
10	40'9	50'9	64'1	Всясе	20	40	60	80	100	120	140	160	180	200	220	240	260	15.000	200	320	340	360	380	400	420	TO I	460
11	1210	55'10	70'6	Frame	22	33	44	55	66	77	88	99	110	121	132	143	154	165	176	187	198	209	220	231	242	253	264
11	44.10	55 10	(00	Brace	22	44	66	88	110	132	154	176	198	220	242	264	286	308	330	352	374	396	418	440	462	484	506
12	48'11	60'11	76'11	Frame	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288
16	10.11	0011	0.11	Brace	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	384	408	432	456	480	504	528	552
13	53'0	66'0	83'4	Frame	26	39	52	65	78	91	104	117	130	143	156	169	182	195	208	221	234	247	260	273	286	299	312
	27.0	777	22.1	Base	26	52	78	104	130	156	182	208	234	260	286	312	338	364	390	416	442	468	494	520	546	572	598
14	57'1	71'1	89'9	Frame	28	42	56	70	84	98	112	126	140	154	168	182	196	210	224	238	252	266	280	294	308	322	336
Ĭ,			= 1	Brace	28	56	84	112	140	168	196	224	252	280	308	336	364	392	420	448	476	504	532	560	588	616	644
15	61'2	76'2	96'2	Frame	30	45	60	10.0	755	17.77	40.0	100	P301	5.53	(44.0)	1.1	1000			400		1767		100			360
12	135		P T	Brace	30	60	90	120	150	180	210	240	270	300	330	360	390	420	450	480	510	540	570	600	630	660	690

Frame Brace Locks and Safety Pins

There are many styles of brace locks on welded frames. Below in (Fig A) shows the various types and how APi Construction Scaffold Division refers to each type. APi Construction Scaffold Division frames use the "T" locks which allows the builder to attach the brace without standing next to the frame. OSHA requires a safety pin at any junction where two pieces of scaffold come together and where uplift may occur. Most frames will have coupling pins inserted on top of the scaffold held in place with a semi permanent pin, spring rivet or rivet cotter pin (Fig B). The spring rivet is the most commonly used on frames today. When scaffold is stacked temporarily, pins are used, see (Fig C).



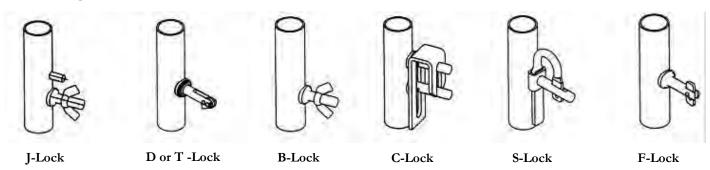




FIG B



SR Spring Rivet



LP & HP Cotter & Hair Pin

Caution

Caution must be taken anytime scaffold is to be moved by craning or forklifts. If this is attempted you need to replace all (semi permanent & temporary locks) intersecting points with grade 5 bolts. To avoid separation during transporting to new location.

FIG C



PT Pigtail



TP Toggle Pin



SP2 Snap Pin

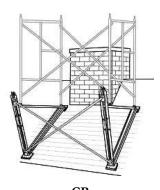
Snap pins and toggle pins come in various lengths the 2" is most common in both. So if you require a special size make sure to specify when placing orders with your rep

Other Miscellaneous Components

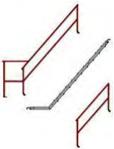
There are hundreds of components for welded frame scaffold...too many to discuss but below are other items APi Construction Scaffold Divisionrents and sells to make your job easier and safer.



OR Outrigger



CB Chimney Bracket 2:12 TO 12:12 Pitch



ASW5/ASW6/AOHR6/AIHR6 Alum 24" Stairs with rails 6'4"-6'7"HX5'W 5'HX5'W



SH Shore head

Part#	Size	lbs
GT4	4'	9.2
GT6	6'	13.3
GT8	8'	19.0
GT10	10'	23.0
GT13	13'	34.0
GT16	16'	41.5
GT20	20'	51.0



Twist Lock / GILCO



BB2S Swivel Beam Clamp



BB2 Rigid Beam Clamp



GRC G/R Clamp



GTBP Gilco Base Plate



SW Swivel Clamp



RAC Right Angle Clamp



BSSFF Side by Side

PL12 Putlog 12'

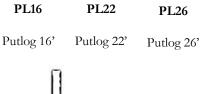




PLS S Hanger



PLH Putlog Hanger





PLCB Curved Base Plat

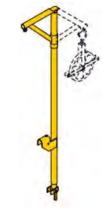


FSPS



Well Wheel

Frame Spiggot w/ clamp

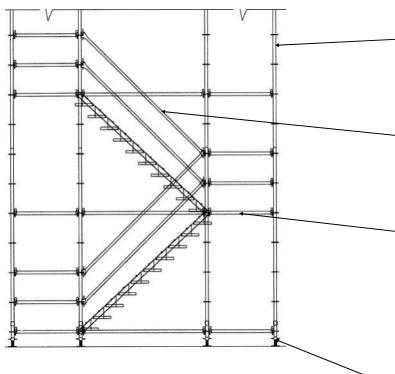


HA Hoist Arm



System Scaffold (RING)

System scaffold come in 3 basic types cup lock, ring and kwik or wedge lock. System scaffold is one of the most versatile scaffold there is today along with the speed and ease to set up and dismantle. Here at APi Construction Scaffold Division we carry ring style in vari- ous sizes with many sizes available to order for sale. It also has very little chance for errors do to the positive locking system which it makes it safe. This section will concentrate on ring scaffold only, but we can special order for sale the other styles if you need to match your existing inventory.



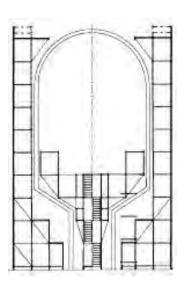
Vertical Standards: Vertical come in various heights and have rings to attach ledgers about every 19.5". This allows for platforms to be added at various heights

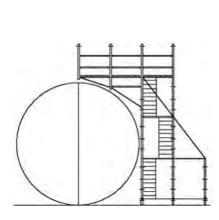
Bay Braces: These braces are used to square up the set along with being used for handles when stairs are installed.

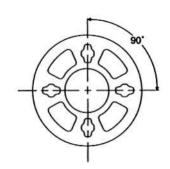
Horizontal Ledgers: Ledgers are used to tie the verticals together to form boxes or even circles. They are also used as guardrails. They can be used as load barring only if they are less than 5'. A maximum of 6'6" in height between ledgers or every fourth rosette.

Truss Ledgers: Ledgers are used for load barring the planks when the span between verticals exceeds 5'

Base Collar & Leveling Jacks



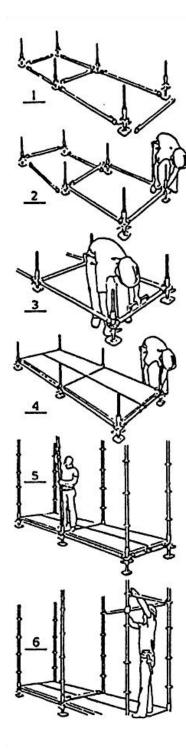




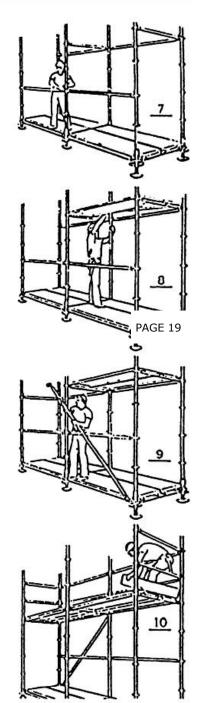
Overhead view of system ring or rosette. There are four slots used to make a perfect rectangle. The larger holes are used when making shapes other than a box and for bay braces.



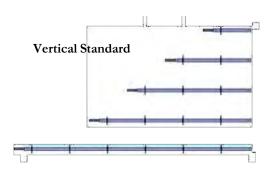
Basic Set Up Procedure For System Scaffold

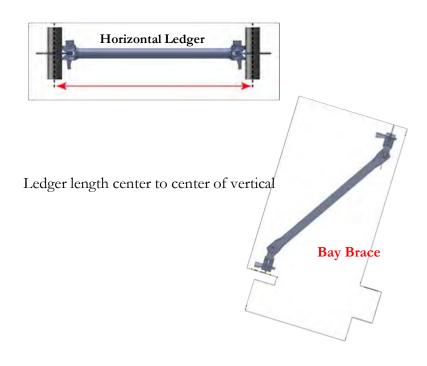


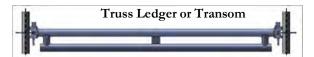
- Fit adjustable bases with collars and lay out roughly in position with their corresponding ledgers. Pick the highest ground level for a setting out point to simplify later adjustment. It helps if the screw jack is near (not at) the bottom of the thread by allowing maximum adjustment on lower ground levels.
- Connect the ledgers to the rosette on the collar of the adjustable base. DO NOT DRIVE HOME THE WEDGES AT THIS STAGE.
- Using a spirit level, adjust the bases so that the ledgers are horizontal. Accuracy in leveling at this stage eliminates the need for further leveling and plumbing as the scaffolding is erected.
- 4. Place two aluminum planks or four 255mm (10") wide board in each bay spanning the ledgers to square up the system. Move progressively round the base of the scaffolding. When squared and leveled drive home the wedges.
- When basing out is completed, the first standards are positioned into the collar of the base.
- Ledgers can now be placed at the required levels.
- 7. Handrails is automatically positioned.
- Planks are now moved up to this first lift, decking out fully if this is to be a working platform.
- Fix diagonal braces across the face of the bays. Hammer wedges home.
- The scaffolding is completed by adding ledger midrails, handrails and toe boards on the working platform.

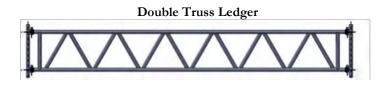












Other sizes are available for special sales orders contact your local rep to get pricing.

Vertical Standard

Part#	Height	lbs
VS1	18"	6.9
VS33	3'3"	12.1
VS411	4'11"	17.3
VS67	6'7"	25.2
VS82	8' 2"	29
VS99	9'10"	32.9

Bay Brace		Horizontal Ledger						
Part#	lbs	Length	Part#					
NA	5.7	1'4"	SL14					
NA	7	2'0"	SL20					
NA	7.1	2'2"	SL22					
NA	82	2'6"	SL26					
NA	7.7	2'10"	SL210					
BB30	9.4	3'0"	SL30					
BB36	10.3	3'6"	SL36					
BB37	10.4	3'7"	SL37					
BB310	11.7	3'10"	SL310					
BB40	11.9	4'0"	SL40					
BB43	12	4'3"	SL43					
BB50	14.8	5'0"	SL50					
BB54	15	5'4"	SL54					
BB60	16.2	6'0"	SL60					
BB70	18.7	7'0"	SL70					
BB80	21.6	8'0"	SL80					
BB100	26.7	10'0"	SL100					

Truss Ledgers

Truss Leagers								
Part#	Length	lbs						
TL60	6'	30						
TL70	7'	34.4						
TL80	8'	40.7						
TL100	10'	51.7						

Double Truss Ledgers

Double Truss Ledgers							
Part#	Length	lbs					
DTL07	7'	50					
DTL10	10'	75					
DTL12	12'	85					
DTL14	14'	103					
DTL17	17'	130					
DTL20	20'	143					
DTL21	21'	160					
DTL23	23'	174					
DTL24	24'	182					
DTL28	28'	219					



Other System Components

There are hundreds of components for system scaffold...too many to discuss but below are other items APi Construction Scaffold Division rentsand sells to make your job easier.



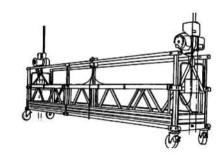


BASIC TEMPORARY SUSPENDED SCAFFOLD TYPES

There are three basic types of suspended scaffolds available for use in the construction industry. Again this is just a general overview of common types, but many more are available for sale, just contact your rep.

Swing Stage (Two Point Suspension)

A swing stage has a two, or more point suspension. They can be made with standard fixed length aluminum pick boards, modular decks or knock down decking.

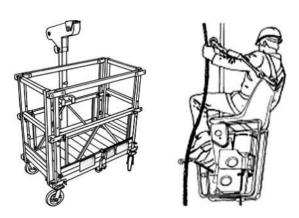


Work Cage (Single Point)

Work Gages are a single point suspended scaffold. Typically for one man, but in some cases wings can be added to make it a two man basket.



Bosun chairs are another single point suspended scaffold. This is only for one person and is used for window washing, repairs or just to get into tight spaces.



GENERAL REQUIREMNETS FOR ERECTION, USE AND DISMANTLE OF SUSPENDED SCAFFOLD TYPES

Suspended scaffold like supported scaffold has a mandate from OSHA that a competent person must be present during erection and dismantle, inspect each day before use and during any alteration of original set.

Erecting

Proper planning is key to any project. Consideration has to be giving to the structural integrity of the roof, anchor points and parapet walls if you are connecting to them. Inspection of all equipment must be done before installation to ensure there is no damage. Most of all safety concerns must be given for the workers installing the swing.

Use of Suspended Scaffold

Prior to every use a competent person must inspect the swing and corrective action taken if issues are found. A load should be applied each day and tighten all cable clamps to manufactures recommendation with the load on. Each person must have their own safety system anchored to its own anchorage point of 5000 lbs force. Never exceed the lowest load capacity of any component to avoid failure on the site. One should never use a suspended system in wind conditions.

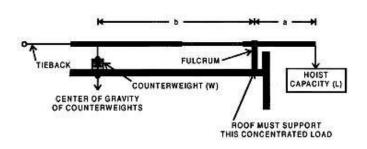
Dismantling

Again, an inspection must be performed by a competent person prior to dismantling the suspended scaffold. This will ensure the safety of those who are dismantling the suspended scaffold.



COMMONLY ASKED RULES OF SUSPENDED SCAFFOLD

- Each person must have their own fall arrest system and anchorage point of 5000 lbs capacity.
- Drop cables and lifeline must be long enough to reach the ground or lower roof.
- OSHA requires that motors are to be certified annually. **APi Construction Scaffold Division does this for most** manufactures call yourrep for details.
- Do not use any hoist on a system if it exceeds the capacity of the support system. Example if a beam system is rated for 1000 lbs do not use a 1500 lbs capacity hoist. This can cause the support system to fail.
- Guardrails are required on any open side where a man can fall through. The motor and stirrup can act as an end rail if it is no further than 18" from the end of the deck.
- Never use a suspended work platform when winds exceed 25 mph for 2 point or 20 mph for one point suspensions.
- Anchorage points are any structural items on the roof or PI tie back systems that withstand a 5000 lbs force or factor of safety of 4:1 (whichever is greater). **DO NOT** use air vents, electrical conduit, or standard piping.
- Tie backs must be perpendicular to the face of the building or you must do opposing angle tiebacks.
- Suspension cables and hardware must be capable of holding 6 times its intended load. So on a 1000 lbs hoist the cable must support at least 6000 lbs.
- Mixing of different manufactures equipment is ok as long as they fit together without force and are approved by a competent person.
- A Minimum of three clips (fist grips) must be used for suspension cables unless a factory or qualified person installs a swage. They should be checked after initial load is applied and also before each use there after. (torque to 30 ft lbs for 5/16 fist grips)
- On a two point suspension the deck should be a minimum of 18" wide unless one can show the necessity of less.
- No more than one person shall be on a deck rated at 250 lbs capacity, no more than two on a plank rated at 500 lbs, and no more than three on a deck rated for 750 lbs.
- No platform can be moved horizontally with a person on the platform.
- All scaffold (suspended or supported) must be a minimum of 10' away from any energized power lines.
- Parapet clamps and cornice hooks must only be used on structural walls. Pour concrete walls or block walls that have been back filled with concrete. Never use on hollow brick walls.
- Counter weights must be made of none fluid material. Sandbags are never to be used as counter weights.
- Formula for proper counter weights to prevent uplift is as follow.



Weight= ((L*A)*4)/B

"L" is the hoist capacity

"A" is the over hang of the beam (in front of the fulcrum point)

"4" is for the 4:1 safety factor

"B" is for the distance from the fulcrum point back to the counter weight

GENERAL COMPONENTS OF SUSPENDED SCAFFOLDING

This section will cover the basic components of a suspended scaffold system. There is much more that goes into it but this will give you an idea of what APi Construction Scaffold Division rents and installs. We have the support system, suspension system and safety system you need to complete you job safely.

Support System

The support system is considered all the roof rigging; like beams, parapet clamps, cornice hooks, tieback cables and counter weights. APi Construction Scaffold Division has beam systems that can do a reach of 18" up to 10' along with one that can reach over 8' parapetwalls and even one that can reach 5' down then go back under 4'.



1500# Parapet Clamp adjustable to a 27" wall



S070 Beam Stand





CH24 24" Cornice Hook **920123** Stand Off

Basic Beam System Part# Description lbs 10F 10' Front Beam 42.0 8' Front Beam 8F 33.6 8M8' Mid Beam 33.6 8R 8' Rear Beam 33.6

Beam Splice

LTB L-Tieback Bracket For Flat Roof



Wire Clamp

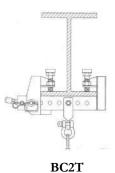




BS



Pigeon Hole

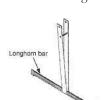


12.0

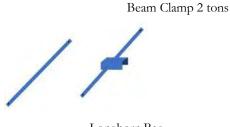


ΤB **SHACKLE** Tie Back Cable 5/8 Screw Pin

SCW 50# Steel Counter weight



TBAR Hanging Longhorn



Longhorn Bar LH1 LH2 Saddle Style Longhorn

These Item are available to rent at APi Construction Scaffold Division. Call Today!

Rolling wheel (**S010** requires 2 per beam) can be added to the beams so you can move the beam without dismantling. It will have either a 36" or 48" overhang. Again no person shall be on a stage being moved horizontally

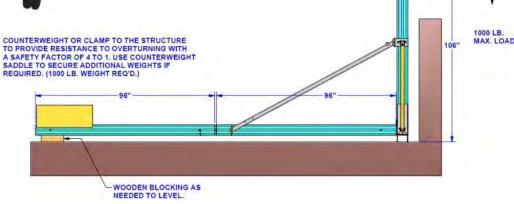




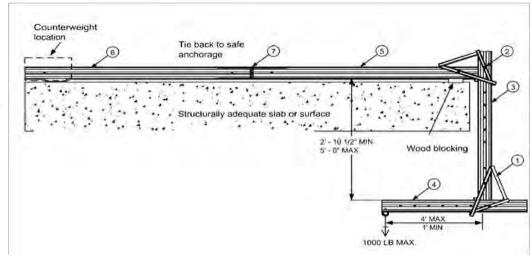
ROS

Rolling Outrigger 1000 lbs capacity 10' tall with 4" reach 38-54" reach Parapet clearance 5'9" -10'9"

The System allows you to clear up to an 8' tall parapet wall without using scaffolding



This over under system allows you to go down up to 5' and then go back under 1'-4'.



Suspension System

The suspension system includes the work platform, drop cables, motors and power supply. As mentioned earlier there is three common work platform; bosun chair, work cage and a 2 point work stage. You can use a manual, air and more common electric motors to lift the work platforms. They all have to be UL rated and have 4:1 safety factors built into the motors. Electric motor most often come in 110v or 220v with various load capacity. Remotes can be added to the motors if requested. The cable most commonly used in the construction industry is 5/16 cable and as far as power cord, the common is 10/3 SO with twist lock plugs.

Motors

The motors APi Construction Scaffold Division rents are listed to the right, but many more kinds are available for special order (sizes and air type). OSHA requires themotors owned by end users be certi-fied by a factory certified mechanic annually. APi Construction Scaffold Division is the place to get your motors certified. We are certified by Sky Climber, Power Climber and Tirak/Tractel. Call your rep for pricing. Never plug in a 110v motor into a 220v supply source. It will cause severe damage to the motor.

SSI MOTORS	XE301	XE501	PCIDV	KCE1000	KCE1500	XA500
Capacity (lbs)	700	1000	1000	1000	1500	1000
Lift Speed (fpm)	35	35	35	32	32	30
Weight	79	123	104	104	120	91
Volts	110	220	220	220	220	AIR 85 PSI
Amps	5.2	9.5	7	7.5	9.24	60 CFM



Remote







Tirak XE301 110v XE501 220v

Power Climber PC1DV

Sky Climber KCE1000 KCE1500

Power Supply & Cables

APi Construction Scaffold Division rents and sells 10/3 power cords and 5/16 cables cut to thesize you want. We also have power boosters for both 110v and 220v to help increase power for those long drops. For drops that exceed 100' we recommend using 220v motors. There is also a "step down" that can bring 220v power used on your motors down to 110v so you can run power tools from the deck. Our cables are swaged so no need for fist grips.



PC Power Cords



WR 5/16 Wire Rope



YOKE110 110v Yoke YOKE220 220v Yoke YOKEEXT

Yoke Extension



ADAPTER
Various plugs
EPT
220v Pigtail





SDT 220v to 110v Step down



ER Edge Roller



PCSR Strain Relief for Power Cords

Work Platforms







Adjustable Corner

Part#	Description	lbs
SPIN	Pins	1
S12D	1/2 Meter deck	8
S12S	1/2 Meter Side Frame	7
S12G	1/2 Meter Guardrail	1.5
S1D	1 Meter Deck	15
S1S	1 Meter Side Frame	14
S1G	1 Meter Guardrail	3
S2D	2 Meter Deck	27
S2S	2 Meter Side Frame	26
S2G	2 Meter Guardrail	5
S3D	3 Meter Deck	37
S3S	3 Meter Side Frame	37
S3G	3 Meter Guardrail	7
SUF	U-Frame	10
SGP	Guardrail Post	2
SES	End Stirrup	32
SEP	End Panel	15
SAC	Adjustable Corner	132
SCR8	8" Caster	9









Max. Safe Work Load (uniformly		Self-Weight	Instructions for actual safe working load Add working load limit of hoists.	Self-Weight		. Safe Working Load (uniformly
distributed)	6'9" (2m)	249lbs (113kg)	Compare working load AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	584lbs (265kg)	(9m) 29'3"	distributed
2000 lbs	9'9" (3m)	285lbs (129kg)	working load of platform. The LOWfi ST rating is	662lbs (300kg)	(10m) 33'0"	1000
(900 kg)	13'6" (4m)	363lbs(164kg)	the ACTUAL SAFfi AATAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	698lbs (316kg)	(11m) 36'0"	lbs
	16' 6" (5m)	399lbs(181kg)	2 3 Read 'Installation Instructions'	734lbs (333kg)	(12m) 39°0"	(450kg)
1500 lbs	19' 6" (6m)	435lbs (197kg)	prior to assembling.	811lbs (368kg)	(13m) 42'9"	
(680 kg)	23' 3" (7m)	512lbs (232kg)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	847lbs (384kg)	(14m) 45'9"	750 lbs
(ccc .ig/	26' 3" (8m)	548lbs (249kg)	**************************************	883lbs (401kg)	(15m) 48'10"	(340kg)



Part#	Desc	lbs
PMR9	3 Meter Tractel Deck	126
PMR6	2 Meter Tractel Deck	86
HC	Tractel Connectors	1
PMRES	Tractel End Stirrup	45
PMR90	90 Deg. Corner	45
PMR30	30 Deg. Corner	38
PMREP	End Panel	10

NOTICE

What is listed here are items APi Construction Scaffold Division Rents. Many more sizes and options are available for purchase. Call your rep today for prices.



9-73 or 9-11 Bosun Chair



Manual Bosun Chair



9-6 Work Cage 38" x 34.5" **9-7** Wings 86" x 34.5"



143-503U Folding Workcage 47" x 21"



934160 Hinged Porch Brackets Use with Altrex or Skydeck



150-230U Angular Stirrup



9-3 Plank Stirrup



MOD35 C– Stirrup



RBW Roller Bumpers



RBEXT
Extendable Roller
36" max

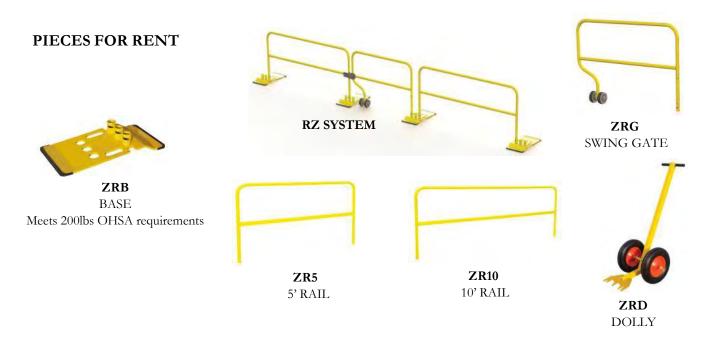


Double Tier or Double Wide Stirrups

Part#	Description	Length
934118	Double Wide	NA
423083	Multi Tier	10'
MTH-3	Multi Tier	14'
MTH-4	Multi Tier	7'

Temporary Roof Protection

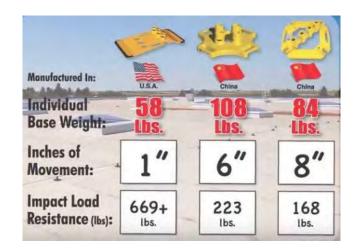
The universal guardrail system is perfect to protect works from hazard of being on the roof. This system rents in 10' and 5' rail sections galvanized but powdercoat yellow is available for purchase. There is also a length 7'6" sections available for purchase. They exceed all OSHA requirements of 200 lbs. side force without failure and best of all they are 100% made in the USA. All base plates must be located a minimum distance of 18" for a "no curb"/parapet leading edge, or opening If the work location has a curb or parapet edge, the base can be placed perpendicular against the rise of the structure.



PIECES THAT MAY BE PURCHASED







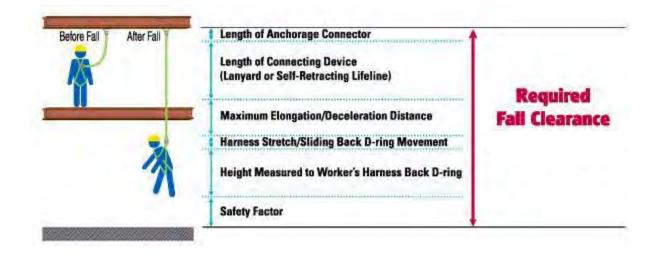


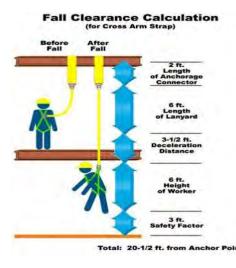
Safety System

The safety system or PFAS "Personal Fall Arrest System" is a key component to any suspended scaffold. They don't prevent falls from occurring but they stop you from serious injury or worse death should the main system fail. It has three components: anchorage point, body wear & connecting devices. APi Construction Scaffold Division stocks many basic items for sale but we can order just about anything you may want or need. There are major recurring errors that are found in the construction industry that impact job safety:

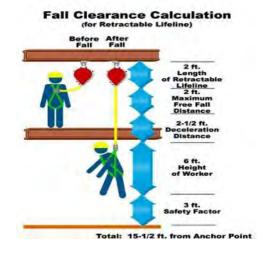
- Analyze the site for safety concerns up front before work begins, not after a fall occurs.
- Select appropriate anchorage point that can sustain a 5000 lbs force.
- Inspecting your equipment for wear and damage. The recommendation is every 3 years switch out your equipment and you must replace if involved in a fall.
- Lack of safety training to end users.
- Not knowing how to use safety equipment and also not knowing how to figure adequate fall clearance. (See below)
- Not using the equipment at all.







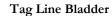
These are two samples of how to calculate the fall distance required. Always follow manufactures recommendation on required distances





Anchor Devices The anchor devices can be permanently install on roof tops or temporary. (see sample).







Permanent Roof Anchor



Reusable Anchor Concrete



Roof Anchor



Beam Clamp



HM "HOLD ME"

This is used instead of tying knots in rope which can reduce the ropes capacity by 50% Available in Red, Green, Blue, Orange (Can be custom order with your Logo)



Cross Strap

Body Wear Devices (see sample).



Basic Harness



With support belt



Support Belt with Positioning D



Positioning Belt

Connecting Devices (see sample).



Dual Lanyard



carabiner



Rope Grab



50' Retractable Lanyard



18" Extender



11' & 15' Retractable Lanyard



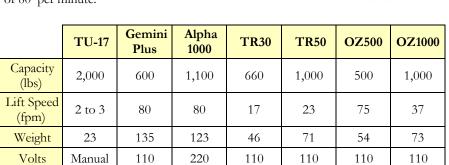
5/8 safety rope cut to length or spools of 600'

Material Handling

This section is to show you some common material handling equipment APi Construction Scaffold Division handles for sales & rental.



Maxial hoist can lift 450 lbs of material up to a maximum height of 250'. It will travel at a speed of 80' per minute.





Gemini w/Scaftrac





OZ500 & OZ1000 Hoist Arm





Power Pole

Power pole is the next generation of the pump jack system that runs on 1/2" drills that move platform up and down. It is fast and easy to set up on any site. It has a load capacity of 1000 lbs with a maximum height of 69' to the platform with intermediate braces at 16' intervals. Able to free stand up to 24' with no braces and 40' with no mid ties. Up it travels at 25' per minute max and down is 30' per minute if you use the manufacturers recommended 1/2 hammer drill.

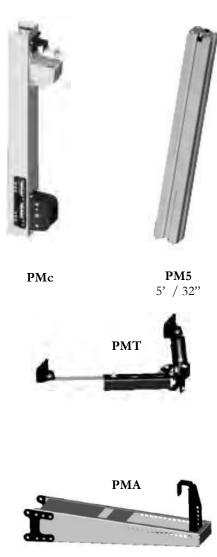




Power Mast System

Power-mast is like the power pole, but it is used to achieve greater heights and it also allows you to go past the wall ties without removing and reinstalling. They also run on 1/2" drills that move platform up and down. It has a quick tool free connecting mast section. The masts come in 5' or 32" sections for easy of stacking when going up. It is designed so you can use your modular swing stage decking









PMP



Power Lift PL60

Power-lift is the lightest mid range lift on the market. At 278 pounds empty one person can easily move it about on its casters. The only electrical device is the drill. There are no expensive, sensors switches or control panels to go bad or need repairing. Because it comes apart so easily one person can carry it up stairs. Its max work height at this time is 20'6" and has a lifting capacity of 350 pounds.



*SALES ONLY *



Stowed height 5'9" Stowed Size 53" x 30" Platform 26" x 30" Base Size 65" x 52"



The hitch hauler makes it so anyone with a type III receiver can move this unit from site to site. Loads and unloads in under 15 seconds with no ropes or chains. It only weighs 50 pounds.







Debris Chutes

Chutes are used to bring debris from upper levels down to the ground with out having to use stairs or elevators. They can be mounted in scaffolding, in a window, roof mounted or by other means. They come in various styles and diameters. APi Construction Scaffold Division rents out molded plastic 32" chutes with top hopper and also intermediate hoppers to be able to have lower levels of putting in debris. You can get flat plastic or even steel chutes if you so choose. It is recommended that you have profession- als like APi Construction Scaffold Division install you chutes. When mounting the chute consideration must be given to the weight of the chute along with the force of the debris going down the chute. Items should be no larger than 18" long to avoid getting stuck in the chute thus creating a damn.







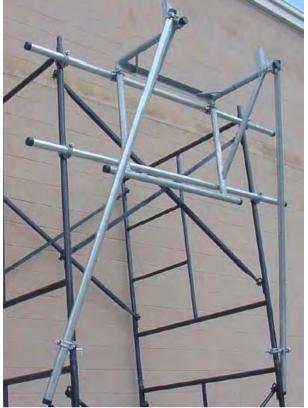
Part #	Description	lbs	
CHS	Chute Section	37.0	
СНН	Hopper	63.0	
CHF	Support Frame	69.0	
CHNO	No Touch Roof OR	818.0	
CHP	Parapet Outrigger	46.0	
CHW	Winch	71.0	
CHD	Intermediate Door	7.0	















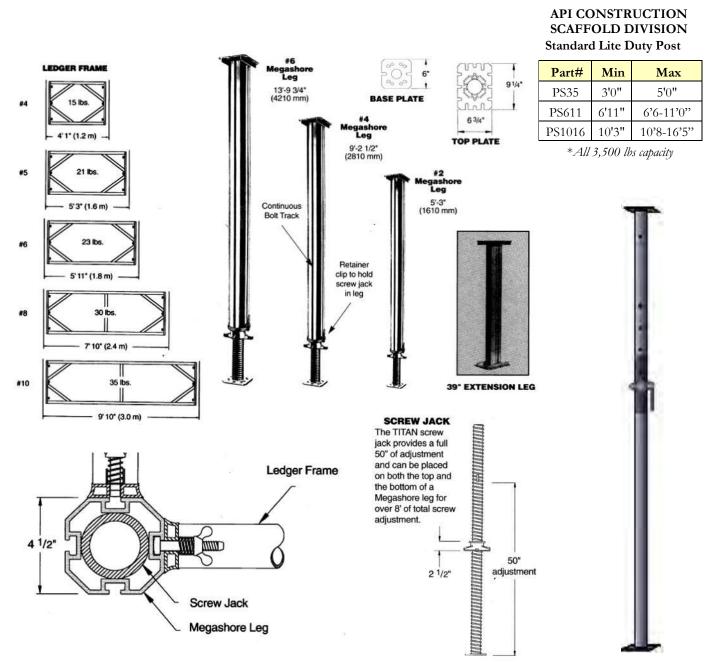


Shoring

APi Construction Scaffold Division partners with another metro company to provide you with your shoring needs and installation. Due to the situation that shoring is needed, we strongly recommend you have us figure out what you need for shoring. We can arrange to come out to your site and determine your exact needs to make it a safe project.

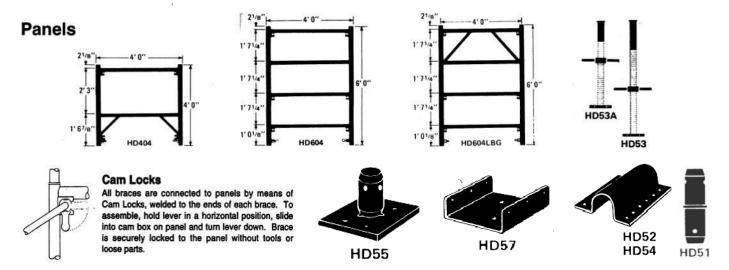
Titan Mega Shore Post & Standard Post

The titan is a lite weight component system that has an allowable load rating of 26,000 lbs per leg. It has 8' of adjustment between the top and bottom leg for perfect fit every time.



10M Heavy Duty Shoring

These frames have 2 1/2" OD legs that have an allowable load rating of 10,000 lbs per leg. The standard width is 4' wide and come in heights of 4', 5' and 6'.



Shoring Beams

W6X12 Steel Beam Capacity of Single Beam

	Center Point Load			Uniform Load		
Span in Feet	Load in Pounds	Deflection in Inches	Limiting Factor	Load in lbs/foot	Deflection in Inches	Limiting Factor
2.0	29,240	1/64	SM	28,992	1/64	SM
2.5	23,392	1/64	SM	18,552	1/64	SM
3.0	19,493	1/32	SM	12,888	1/32	SM
4.0	14,620	3/64	SM	7,248	1/16	SM
5.0	11,696	5/64	SM	4,632	7/64	SM
6.0	9,746	7/64	SM	3,216	5/32	SM
7.0	8,354	11/64	SM	2,364	15/64	SM
8.0	7,310	7/32	SM	1,740	1/4	DEF
9.0	6,106	1/4	DEF	1,056	1/4	DEF
10.0	4,450	1/4	DEF	696	1/4	DEF
11.0	3,343	1/4	DEF	468	1/4	DEF
12.0	2,575	1/4	DEF	336	1/4	DEF

- Flange
Web
Flange

These chart requires a minimum of 2" of beam to be beyond the bearing point on each side of the beam.

SM= Section Modulus (beam would fail before max deflection is reached)

DEF= Deflection (maximum allowable deflection of beam is reached before beam would fail)

Aluma Beam 6.5" Tall

Uniform Load - 1 Beam				
Load in lbs/foot				
3,080				
2,740				
2,020				
1,510				
1,160				
920				
730				
595				
490				
405				
345				
295				
250				





Competent Person Training

API CONSTRUCTION SCAFFOLD DIVISION is an accredited training facility for the SAIA "Scaffold & Access Industry Association". We do the train- ing at our facility or if you have eight or more we will come to your site. The classes we teach are for frame scaffold, system scaf- fold or suspended scaffold. Included in the cost is a book you will receive in advance to read before coming to class. There is about an eight hour in class tutor with the instructor and then a test. We try to keep the class size to a maximum of 12 to ensure everyone gets special attention. You will receive a certificate and a wallet card if you pass which is good for three years. Prior to it expiring you will get a notice for a refresher course which is about 4 hours in class and then a test. Call your rep today to find out cost and when the next classes are scheduled.

Benefits to CPT Training

- Helps to provide a safer workplace for employees and customers
- Helps to meet government requirements
- Helps to meet insurance requirements
- Helps to meet competent person training requirements
- Provide structure for career advancement for employees
- Create an objective standard for new employee assessment by independent not-for-profit organization
- Potential insurance savings





CODE OF SAFE PRACTICES FOR

FRAME SCAFFOLDS, SYSTEM SCAFFOLDS, TUBE AND CLAMP SCAFFOLDS & ROLLING SCAFFOLDS DEVELOPED FOR INDUSTRY BY SCAFFOLDING, SHORING & FORMING INSTITUTE (SSFI) and SCAFFOLD INDUSTRY ASSOCIATION, INC. (SIA)

It shall be the responsibility of all users to read and comply with the following common sense guidelines which are designed to promote safety in the erecting, dismantling and use of Scaffolds. These guidelines do not purport to be all inclusive nor to supplant or replace other additional safety and precautionary measures to cover usual or unusual conditions. If these guidelines in any way conflict with any state, local, provincial, federal or other government statute or regulation, said statute or regulation shall supersede these guidelines and it shall be the responsibility of each user to comply wherewith.

I. GENERAL GUIDELINES

- A. POST THESE SCAFFOLDING SAFETY GUIDELINES in a conspicuous place and be sure that all persons who erect, dismantle, or use scaffolding are aware of them, and also use them in tool box safety meetings.
- B. FOLLOW ALL STATE, LOCAL AND FEDERAL CODES, ORDINANCES AND REGULATIONS pertaining to scaffolding.
- C. SURVEY THE JOB SITE. A survey shall be made of the job site by a competent person for hazards, such as untamped earth fills, ditches, debris, high tension wires, unguarded openings, and other hazardous conditions created by other trades. These conditions should be corrected or avoided as noted in the following sections.
- D. INSPECT ALL EQUIPMENT BEFORE USING. Never use any equipment that is damaged or defective in any way. Mark it or tag it as defective. Remove it from the job site.
- E. SCAFFOLDS MUST BE ERECTED IN ACCORDANCE WITH DESIGN AND/OR MANUFACTURERS' RECOMMENDATIONS.
- F. DO NOT ERECT, DISMANTLE OR ALTER A SCAFFOLD unless under the supervision of a competent person.
- G. DO NOT ABUSE OR MISUSE THE SCAFFOLD EQUIPMENT.
- H. ERECTED SCAFFOLDS SHOULD BE CONTINUALLY INSPECTED by users to be sure that they are maintained in safe condition. Report any unsafe condition to your supervisor.
- NEVER TAKE CHANCES! IF IN DOUBT REGARDING THE SAFETY OR USE OF THE SCAFFOLD, CONSULT YOUR SCAFFOLD SUPPLIER.
- J. NEVER USE EQUIPMENT FOR PURPOSES OR IN WAYS FOR WHICH IT WAS NOT INTENDED.
- K. DO NOT WORK ON SCAFFOLDS if your physical condition is such that you feel dizzy or unsteady in any way.
- L. DO NOT WORK UNDER THE INFLUENCE of alcohol or illegal drugs.

II. GUIDELINES FOR ERECTION AND USE OF SCAFFOLDS

- A. SCAFFOLD BASE MUST BE SET ON BASE PLATES AND AN ADEQUATE SILL OR PAD to prevent slipping or sinking and fixed thereto where required. Any part of a building or structure used to support the scaffold shall be capable of supporting the maximum intended load to be applied.
- B. USE ADJUSTING SCREWS or other approved methods to adjust to uneven grade conditions.
- C. BRACING, LEVELING & PLUMBING OF FRAME SCAFFOLDS-
 - Plumb and level all scaffolds as erection proceeds. Do not force frames or braces to fit. Level the scaffold until proper fit
 can be easily made.
 - Each frame or panel shall be braced by horizontal bracing, cross bracing, diagonal bracing or any combination thereof for securing vertical members together laterally. All brace connections shall be made secure, in accordance with the manufacturer's recommendations.

D. BRACING, LEVELING & PLUMBING OF TUBE & CLAMP AND SYSTEM SCAFFOLDS-

- Posts shall be erected plumb in all directions, with the first level of runners and bearers positioned as close to the base as
 feasible. The distance between bearers and runners shall not exceed manufacturer's recommendations.
- 2. Plumb and level all scaffolds as erection proceeds.
- 3. Fasten all couplers and/or connections securely before assembly of next level.
- 4. Vertical and/or horizontal diagonal bracing must be installed according to manufacturer's recommendations.
- E. WHEN FREE STANDING SCAFFOLD TOWERS exceed a height of four (4) times their minimum base dimension, they must be restrained from tipping. (CAL/OSHA and some government agencies require stricter ratio of 3 to 1.)
- F. TIE CONTINUOUS (RUNNING) SCAFFOLDS TO THE WALL OR STRUCTURE at each end and at least every 30 feet of length in between when scaffold height exceeds the maximum allowable free standing dimension. Install additional ties on taller scaffolds as follows: On scaffolds 3 feet or narrower in width, subsequent vertical ties shall be repeated at intervals no greater than every 20 feet. On scaffolds wider than 3 feet, subsequent vertical ties shall be repeated at intervals not greater than 26 feet. The top tie shall be installed as close to the top of the platform as possible; however, no lower from the top than 4 times the scaffold's minimum base dimension. Ties must prevent the scaffold from tipping either into or away from the structure. Stabilize circular or irregular scaffolds in such a manner that the completed scaffold is secure from tipping. Place ties near horizontal members. When scaffolds are fully or partially enclosed, or when scaffolds are subjected to overturning loads, additional ties may be required. Consult a qualified person.
- G. DO NOT ERECT SCAFFOLDS NEAR ELECTRICAL POWER LINES. Consult a qualified person for advice.
- H. ACCESS SHALL BE PROVIDED TO ALL PLATFORMS. Do not climb crossbraces or diagonal braces.



I. PROVIDE A GUARDRAIL SYSTEM, FALL PROTECTION AND TOEB OARDS WHERE REQUIRED BY THE PREVAILING CODE.

J. BRACKETS AND CANTILEVERED PLATFORMS-

- 1. Brackets for system scaffolds shall be installed and used in accordance with manufacturer's recommendations.
- Brackets for frame scaffolds shall be seated correctly with side bracket parallel to the frames and end brackets at 90 degrees to the
 frames. Brackets shall not be bent or twisted from normal position. Brackets (except mobile brackets designed to carry materials)
 are to be used as work platforms only and shall not be used for storage of material or equipment.
- 3. Cantilevered platforms shall be designed, installed and used in accordance with manufacturers' recommendations.
- K. ALL SCAFFOLDING COMPONENTS shall be installed and used in accordance with the manufacturers' recommended procedure. Components shall not be altered. Scaffold frames and their components manufactured by different companies shall not be intermixed, unless the component parts readily fit together and the resulting scaffold's structural integrity is maintained by the user.

I. PLANKING

- Working platforms shall cover scaffold bearer as completely as possible. Only scaffold grade wood planking, or fabricated
 planking and decking meeting scaffold use requirements shall be used. Planks and platforms should rest on bearers only.
- 2. Check each plank prior to use to be sure plank is not warped, damaged, or otherwise unsafe.
- 3. Planking shall have at least 12" overlap and extend 6" beyond center of support, or be cleated or restrained at both ends to prevent sliding off supports.
- 4. Solid sawn lumber, LVL (laminated veneer lumber) or fabricated scaffold planks and platforms (unless cleated or restrained) shall extend over their end supports not less than 6" nor more than 18". This overhang should be guardrailed to prevent access.

M. FOR "PUTLOGS" AND "TRUSSES" THE FOLLOWING ADDITIONAL GUIDELINES APPLY:

- 1. Do not cantilever or extend putlogs/trusses as side brackets without thorough consideration of loads to be applied.
- 2. Install and brace putlogs and trusses in accordance with manufacturer's instructions.

N. FOR ROLLING SCAFFOLDS THE FOLLOWING ADDITIONAL GUIDELINES APPLY:

- RIDING A ROLLING SCAFFOLD IS VERY HAZARDOUS. The SSFI and the SIA do not recommend nor encourage this
 practice.
- 2. Casters with plain stems shall be attached to the frames or adjustment screws by pins or other suitable means.
- 3. No more than 12 inches of the screw jack shall extend between the bottom of the adjusting nut and the top of the caster.
- 4. Wheels or casters shall be locked to prevent caster rotation and scaffold movement when scaffold is in use.
- 5. Joints shall be restrained from separation.
- 6. Use horizontal diagonal bracing near the bottom and at 20 foot intervals measured from the rolling surface.
- 7. Do not use brackets or other platform extensions without compensating for the overturning effect.
- The top platform height as measured from the rolling surface of a rolling scaffold must not exceed four (4) times the smallest base dimension (CAL/OSHA and some government agencies require a stricter ratio of 3:1).
- 9. Cleat or secure all plank.
- 10. Secure or remove all materials and equipment from platform before moving.
- Do not attempt to move a rolling scaffold without sufficient help watch out for holes in floor and overhead obstructions stabilize against tipping.

O. SAFE USE OF SCAFFOLD-

- 1. Prior to use, inspect scaffold to insure it has not been altered and is in safe working condition.
- 2. Erected scaffolds and platforms should be inspected continuously by those using them.
- 3. Exercise caution when entering or leaving a work platform.
- 4. Do not overload scaffold. Follow manufacturer's safe working load recommendations.
- 5. Do not jump onto planks or platforms.
- DO NOT USE ladders or makeshift devices to increase the working height of a scaffold. Do not plank guardrails to increase the height of a scaffold.
- Climb in access areas only and use both hands.

III. WHEN DISMANTLING SCAFFOLDING THE FOLLOWING ADDITIONAL GUIDELINES APPLY:

- A. Check to assure scaffolding has not been structurally altered in a way which would make it unsafe and, if it has, reconstruct and/or stabilize where necessary before commencing with dismantling procedures. This includes all scaffold ties.
- B. Visually inspect planks prior to dismantling to be sure they are safe.
- C. Do not remove a scaffold component without considering the effect of that removal.
- D. Do not accumulate excess components or equipment on the level being dismantled.
- E. Do not remove ties until scaffold above has been dismantled to that level.
- F. Lower dismantled components in an orderly manner. Do not throw off of scaffold.
- G. Dismantled equipment should be stockpiled in an orderly manner.

Since field conditions vary and are beyond the control of the SSFI and the SIA, safe and proper use of scaffolding is the sole responsibility of the user.

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Publication S100

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CODE OF SAFE PRACTICES

FOR

SUSPENDED SCAFFOLDS DEVELOPED FOR INDUSTRY BY SCAFFOLDING, SHORING & FORMING INSTITUTE (SSFI) and SCAFFOLD INDUSTRY ASSOCIATION, INC. (SIA)

It shall be the responsibility of all users to read and comply with the following common sense guidelines which are designed to promote safety in the erecting, dismantling and use of suspended scaffolds. These guidelines do not purport to be all-inclusive nor to supplant or replace other additional safety and precautionary measures to cover usual or unusual conditions. If these guidelines in any way conflict with any state, local, provincial, federal or other government statute or regulation, said statute or regulation shall supersede these guidelines and it shall be the responsibility of each user to comply therewith.

I. GENERAL GUIDELINES

- A. POST THESE SAFETY GUIDELINES in a conspicuous place and be sure that all persons who erect, use, locate, or dismantle suspended scaffold systems are fully aware of them and also use them in tool box safety meetings.
- B. FOLLOW ALL EQUIPMENT MANUFACTURERS' RECOMMENDATIONS as well as all state, local and federal codes, ordinances and regulations relating to suspended scaffolding.
- C. SURVEY THE JOB SITE. A survey shall be made of the job site by a competent person for hazards such as exposed electrical wires, obstructions that could overload or tip the suspended scaffold when it is raised or lowered, unguarded roof edges or openings, inadequate or missing tiebacks. Those conditions should be corrected before installing or using suspended scaffold systems.
- D. INSPECT ALL EQUIPMENT BEFORE EACH USE. Never use any equipment that is damaged or defective in any way. Mark it or tag it as damaged or defective equipment and remove it from the jobsite.
- E. ERECT AND DISMANTLE SUSPENDED SCAFFOLD EQUIPMENT in accordance with design and / or manufacturer's recommendations.
- F. DO NOT ERECT, DISMANTLE, OR ALTER SUSPENDED SCAFFOLD SYSTEMS unless under the supervision of a competent person.
- G. DO NOT ABUSE OR MISUSE SUSPENDED SCAFFOLD EQUIPMENT. Never overload platforms or hoists.
- H. ERECTED SUSPENDED SCAFFOLDS SHOULD BE CONTINUOUSLY INSPECTED by the user to be sure that they are maintained in a safe condition. Report any unsafe condition to your supervisor.
- I. NEVER TAKE CHANCES! IF IN DOUBT REGARDING THE SAFETY OR USE OF SUSPENDED SCAFFOLDS, CONSULT YOUR SCAFFOLD SUPPLIER.
- J. NEVER USE SUSPENDED SCAFFOLD EQUIPMENT FOR PURPOSES OR IN OTHER WAYS FOR WHICH IT WAS NOT INTENDED.
- K. CARE SHOULD BE TAKEN WHEN OPERATING AND STORING EQUIPMENT DURING WINDY CONDITIONS.
- L. SUSPENDED SCAFFOLD SYSTEMS should be installed and used in accordance with the manufacturer's recommended procedures. Do not alter components in the field.
- M. SUSPENDED PLATFORMS MUST NEVER BE OPERATED NEAR LIVE POWER LINES unless proper precautions are taken. Consult the power service company for advice.
- N. ALWAYS ATTACH FALL ARREST EQUIPMENT when working on suspended scaffolds.
- O. DO NOT WORK ON OR INSTALL SUSPENDED SCAFFOLDS if your physical condition is such that you feel dizzy or unsteady in any way.
- P. DO NOT WORK ON SUSPENDED SCAFFOLDS when under the influence of alcohol or illegal drugs.

II. GUIDELINES FOR ERECTION AND USE OF SUSPENDED SCAFFOLD SYSTEMS

A. RIGGING:

- 1. WEAR FALL PREVENTION EQUIPMENT when rigging on exposed roofs or floors.
- 2. ROOF HOOKS, PARAPET CLAMPS, OUTRIGGER BEAMS, OR OTHER SUPPORTING DEVICES must be capable of supporting the hoist machine rated load with a factor of safety of 4.
- VERIFY THAT THE BUILDING OR STRUCTURE WILL SUPPORT the suspended loads with a factor of safety of 4.
- 4. ALL OVERHEAD RIGGING must be secured from movement in any direction.



- COUNTERWEIGHTS USED WITH OUTRIGGER BEAMS must be of a non-flowable material and must be secured to the beam to prevent accidental displacement.
- OUTRIGGER BEAMS THAT DO NOT USE COUNTERWEIGHTS must be installed and secured on the
 roof structure with devices specifically designed for that purpose. Direct connections shall be evaluated by a
 competent person.
- TIE BACK ALL TRANSPORTABLE RIGGING DEVICES. Tiebacks shall be equivalent in strength to suspension ropes.
- 8. INSTALL TIEBACKS AT RIGHT ANGLES TO THE FACE OF THE BUILDING and secure, without slack, to a structurally sound portion of the structure, capable of supporting the hoisting machine rated load with a safety factor of 4. IN THE EVENT THAT TIEBACKS CANNOT BE INSTALLED AT RIGHT ANGLES, two tiebacks at opposing angles must be used to prevent movement.
- 9. RIG AND USE HOISTING MACHINES DIRECTLY UNDER THEIR SUSPENSION POINTS.

B. WIRE ROPE AND HARDWARE:

- 1. USE ONLY WIRE ROPE AND ATTACHMENTS as specified by the hoisting machine manufacturer.
- 2. ASSURE THAT WIRE ROPE IS LONG ENOUGH to reach to the lowest possible landing.
- 3. CLEAN AND LUBRICATE WIRE ROPE in accordance with the wire rope manufacturer's instructions.
- 4. HANDLE WIRE ROPE WITH CARE.
- COIL AND UNCOIL WIRE ROPE in accordance with manufacturer's instructions in order to avoid kinks or damage.
- 6. TIGHTEN WIRE ROPE CLAMPS in accordance with the clamp manufacturer's instructions.
- INSPECT WIRE ROPE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DO NOT USE WIRE ROPE THAT IS KINKED, BIRDCAGED, CORRODED, UNDERSIZED, OR DAMAGED IN ANY WAY. Do not expose wire rope to fire, undue heat, corrosive atmosphere, electricity, chemicals or damage by tool handling.
- 8. USE THIMBLES AND SHACKLES AT ALL WIRE ROPE SUSPENSION TERMINATIONS.
- USE J-TYPE CLAMPS OR SWEDGE FITTINGS. Do not use U-bolts. Retighten J Clamps under load and retighten daily.
- WIRE ROPES USED WITH TRACTION HOISTS MUST HAVE PREPARED ENDS. Follow manufacturer's recommendations.

C. POWER SUPPLY FOR MOTORIZED EQUIPMENT:

- GROUND ALL ELECTRICAL POWER SOURCES AND POWER CORD CONNECTIONS and protect them with circuit breakers.
- USE POWER CORDS OR AIR HOSES OF THE PROPER SIZE THAT ARE LONG ENOUGH for the iob.
- 3. POWER CORD OR AIR HOSE CONNECTIONS MUST BE RESTRAINED to prevent their separation.
- 4. USE STRAIN RELIEF DEVICES TO ATTACH POWER CORDS OR AIR SUPPLY HOSES TO THE SUSPENDED SCAFFOLD to prevent them from falling.
- 5. PROTECT POWER CORDS OR AIR HOSES AT SHARP EDGES.
- 6. USE GFI WITH POWER TOOLS.

D. FALL ARREST EQUIPMENT:

- EACH PERSON ON A SUSPENDED SCAFFOLD must be attached to a separate fall arrest system unless the
 installation was specifically designed not to require one.
- EACH LIFELINE MUST BE FASTENED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS to a separate anchorage capable of holding a minimum of 5000 pounds.
- DO NOT WRAP LIFELINES AROUND STRUCTURAL MEMBERS unless lifelines are protected and a suitable anchorage connection is used.
- 4. PROTECT LIFELINES AT SHARP CORNERS to prevent chafing.
- 5. RIG FALL ARREST SYSTEMS to prevent free fall in excess of six feet.
- 6. SUSPEND LIFELINES FREELY without contact with structural members or building façade.
- 7. USE LIFELINES OF SIZE AND CONSTRUCTION that are compatible with the rope grab use.
- 8. ASSURE A PROPERLY ATTACHED ROPE GRAB IS INSTALLED ON EACH LIFELINE IN THE PROPER DIRECTION. Install in accordance with the manufacturer's recommendations.
- 9. KEEP ROPE GRAB POSITIONED ABOVE YOUR HEAD LEVEL.
- 10. USE ONLY FULL BODY HARNESSES of the proper size and that are tightly fastened.
- 11. ASSURE FULL BODY HARNESS HAS LANYARD attachment with D-ring at the center of your back.



- 12. CONSULT FALL PROTECTION SUPPLIER FOR INSPECTION PROCEDURE. INSPECT FALL PROTECTION ANCHORAGE / EQUIPMENT BEFORE EACH USE.
- 13. WHEN A SECONDARY WIRE ROPE SYSTEM IS USED, a horizontal lifeline secured to two or more structural members of the scaffold in lieu of vertical lifelines.

E. DURING USE:

- 1. USE ALL EQUIPMENT AND ALL DEVICES in accordance with the manufacturer's instructions.
- 2. DO NOT OVERLOAD, MODIFY, OR SUBSTITUTE EQUIPMENT.
- BEFORE COMMENCING WORK OPERATIONS preload wire rope and equipment with the maximum working load, then retighten wire rope rigging clamps and recheck rigging to manufacturer's recommendations.
- 4. INSPECT ALL RIGGING EQUIPMENT AND SUSPENDED SCAFFOLD SYSTEMS DAILY.
- 5. INSPECT WIRE ROPE DURING EACH ASCENT OR DESCENT FOR DAMAGE.
- 6. USE CARE TO PREVENT DAMAGE TO EQUIPMENT by corrosive or other damaging substances.
- 7. CLEAN AND SERVICE EQUIPMENT REGULARLY.
- 8. ALWAYS MAINTAIN AT LEAST (4) FOUR WRAPS OF WIRE ROPE ON DRUM TYPE HOISTS.
- 9. DO NOT JOIN PLATFORMS unless the installation was designed for that purpose.
- 10. ONLY MOVE SUSPENDED SCAFFOLDS HORIZONTALLY WHEN NOT OCCUPIED.
- WHEN RIGGING FOR ANOTHER DROP assure sufficient wire rope is available before moving the suspended scaffold system horizontally.

12. WHEN WELDING FROM SUSPENDED SCAFFOLDS:

- a. Assure platform is grounded to structure.
- b. Insulate wire rope above and below the platform.
- c. Insulate wire rope at suspension point and assure wire does not contact structure along its entire length.
- d. Prevent the bitter end from touching the welding ground.

Since field conditions vary and are beyond the control of the SSFI and the SIA, safe and proper use of suspended scaffolding is the sole responsibility of the user.

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