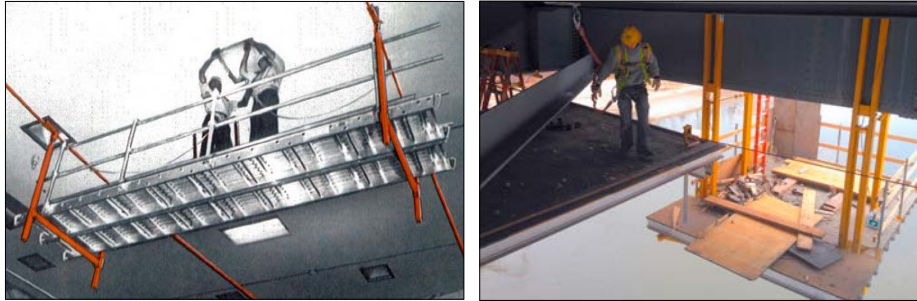


**cable scaffold**

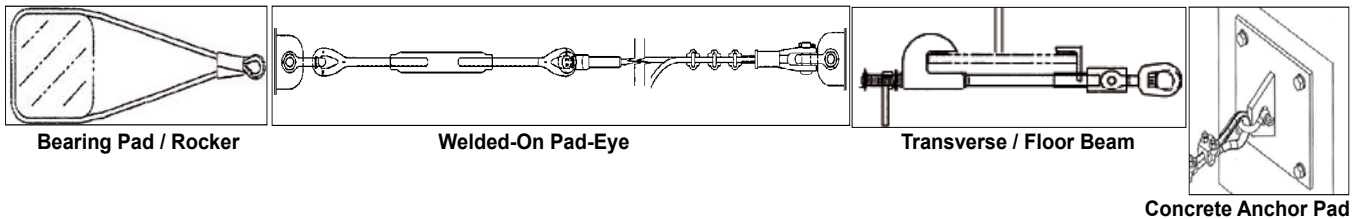
The Cable Scaffold System is the most versatile scaffold system on the market today. When obstructions prevent continuous horizontal travel of the suspended scaffold, the suspended Cable Scaffold System is the solution. There is no limit to the length of the wire rope that can be used. Swing-Lo supplies all engineering data relating to the safe installation and use of this system. We also help in configuring the scaffold based upon the customer's requirements.



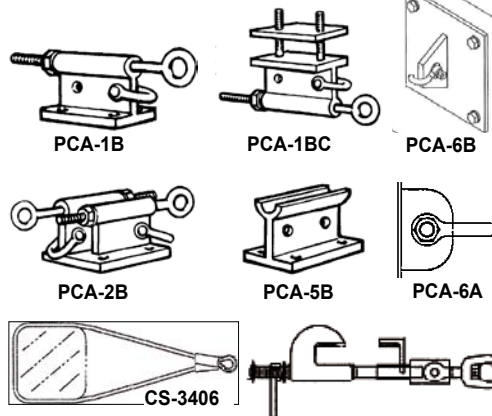
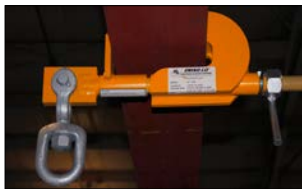
**STEP 1**

**After determining your suspended scaffold size (width, length, height) and safe working load (SWL) needed, choose one of four methods of anchoring the wire rope**

It is the client's responsibility in determining the anchor point adequacy. The wire rope anchor connection must not damage or weaken the structure it is attached to. Also, the wire rope must be in excellent condition and not frayed or kinked.



**anchors**



Anchors		
Model	Description	Wt (lbs)
PCA-1B	Single Barrel Anchor Clamp	40
PCA-1BC	Girder/Chord Anchor Clamp	49
PCA-2B	Double Barrel Anchor Clamp	55
PCA-5B	Half Barrel Anchor Clamp	38
PCA-6A	Steel Welded Pad-Eye	32
PCA-6B	Concrete Anchor Plate	38
CS-3406	3/4" diameter x 6' Sling w/swaging	10
SP-12M	Anchor Beam Clamp (10"-24") expansion	40



**STEP 2**

**Choose size and length of wire rope (yoke swaged on one end)**

Wire Rope Class 6 X 19 or 6 X 26 IWRC		
Size Ø	Breaking Strength (lbs)	wt/ft
1/2"	29,200	.42
9/16"	37,000	.59
5/8"	45,400	.72

The wire rope is tensioned from one end ( non-swaged end) only. Typically, the size of the wire rope used is based upon the rated capacity of the suspended scaffold and the overall use of the system. For example, use 1/2" - 9/16" wire rope when a light-duty suspended scaffold is needed, and larger wire rope size when a medium to heavy-duty scaffold is required.

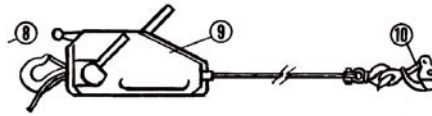


**STEP 3**

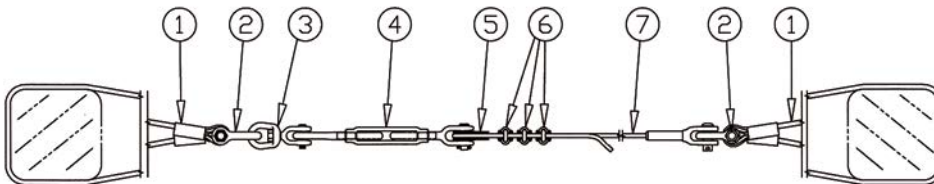
**Install and tension wire rope**

Start with the swaged end of the wire rope; attach to the anchor, and unspool from the roadway, weaving around obstructions with the un-swaged end of the wire rope as necessary. It is important to maintain control of the wire rope at all times. Ensure the wire rope is cradled in the Sag Clamp channel. At the anchor point of the non-swaged end, loop the wire rope through the wedge socket (4), place the wire rope puller/cable grip on the wire rope, and attach the tensioning device. Tension the wire rope to specification.

**WIRE ROPE INSTALLATION**

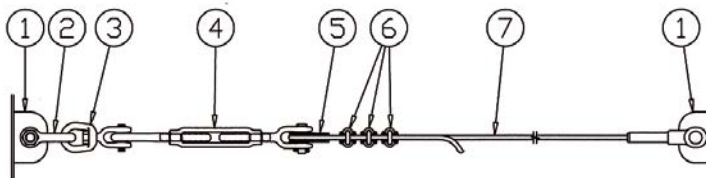


**wire rope choker anchor installation**



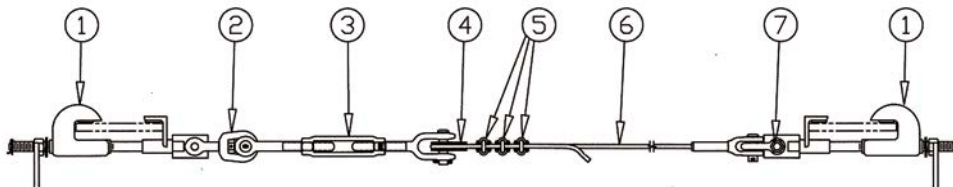
Choker Anchor	
1	Wire Rope Choker Anchor
2	Anchor Shackle
3	Swivel Jaw
4	Residual Slack Tensioning Turnbuckle
5	Solid Wire Rope Thimble
6	Wire Rope Clamps
7	Wire Rope

**steel pad-eye anchor installation**



Pad-Eye Anchor	
1	Steel Pad-Eye Anchor
2	Anchor Shackle
3	Swivel Jaw
4	Residual Slack Tensioning Turnbuckle
5	Solid Wire Rope Thimble
6	Wire Rope Clamps
7	Wire Rope

**steel girder anchor installation**



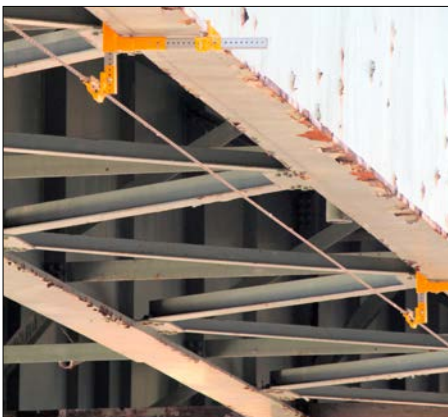
Steel Girder anchor	
1	Steel Girder Anchor Clamp
2	Swivel Jaw
3	Residual Slack Tensioning Turnbuckle
4	Solid Wire Rope Thimble
5	Wire Rope Clamps
6	Wire Rope
7	Anchor Shackle

**STEP 4**

**Choose and install Sag Clamp**

Install the Sag Clamps every 60 to 70 feet, starting from the anchor point. It is important to place the sag clamp in the same plane as the wire rope, since they will support the wire rope from sagging beyond the acceptable range.

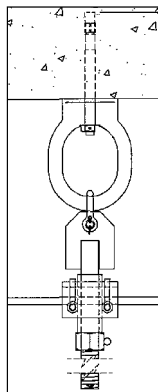
The SL-59S Cable Sag Clamp allows the SL-59CI and SL-69CI rollers to travel through the sag device without by-passing, jumping, or removing the device; saving time and money for the contractor.



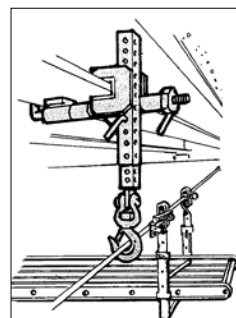
**Sag Clamps**

Model	Description	Wt (lbs)
SL-39S	Concrete Insert Sag Clamp	38
SL-49S	I-Beam Sag Clamp	29
SL-59S	HD Pass-Thru Sag Clamp	47

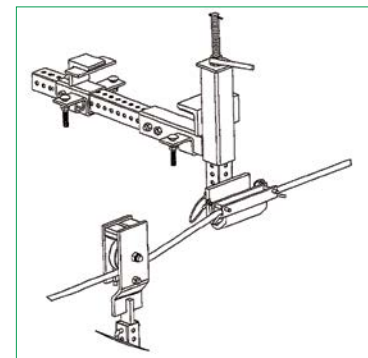
**sag clamps**



SL-39S



SL-49S



SL-59S



**cable scaffold components**

**wire rope installation and tensioning components**



**wire rope installation components**

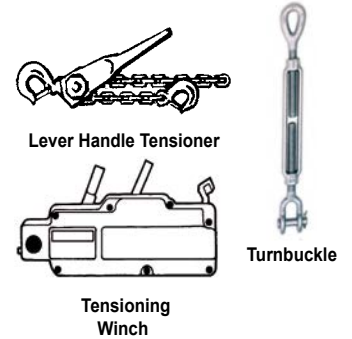


Wire Rope Installation Components		
Model	Description	Wt (lbs)
CL-46	1" Bolt-Type Anchor Shackle*	6
SJ-34	Jaw End Swivel	4
FG-12	Fist Grip® Clip - 7/16-1/2"	.62
FG-58	Fist Grip® Clip - 9/16-5/8"	1.03
WS-12	Wedge Socket - 1/2" w/Terminator	1.74
WS-58	Wedge Socket - 9/16-5/8" w/trmtr	2.94
KT-4600	.30" - .80" Wire Pulling Grip, 10k	7
ST-12	Solid Wire Rope Thimble - 1/2"	.61
ST-58	Solid Wire Rope Thimble - 9/16-5/8"	2.21
TM-800	9/16" - 3/4" for 19 strand	18
SL-092152	Tnbckle 1.25" X 24" J&E Galv.	29

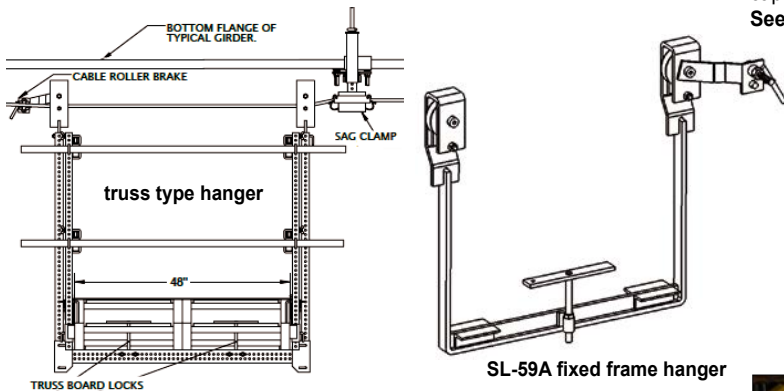
Wire Rope Tensioning Components		
SL-3TLOH	3T Lever Handle Tensioner	55
SL-6TLOH	6T Lever Handle Tensioner	83
SL-092152	Turnbuckle, 1.25" X 24" J&E Galv.	29
SL-532	8k Winch w/30' Wire Rope	77

**tensioning components**



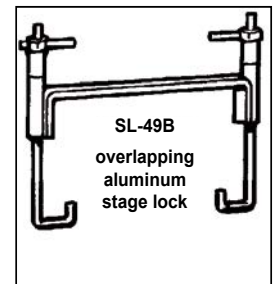
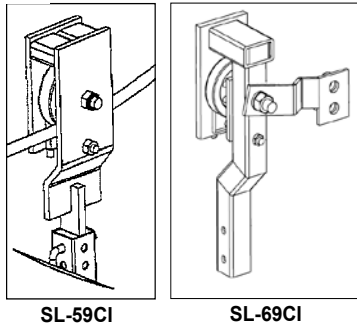
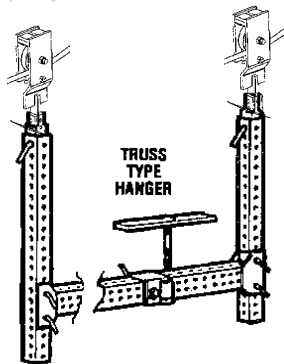
**STEP 5 install the rolling cable suspended scaffold**

The Cable Scaffold System comes in various hanger types and load capacities - from 500 lb Safe Working Load to 2000 lbs or more: See pages 53-56 for components.



- The adjustable Stem and Truss scaffold for aluminum stage
- The Fixed Frame Hanger for aluminum stage
- The adjustable Stem and Hanger scaffold for aluminum beam and stage

Cable Scaffold Hangers		SWL	Wt
Model	Description	(lbs)	(lbs)
SL-59A	29" Base x 22" Fixed Hanger	1k	33
SL-59CI	Assembly, 2 w/Brake	1k	50
SL-69CI	HD Assembly, 2 w/Brake	2k	55

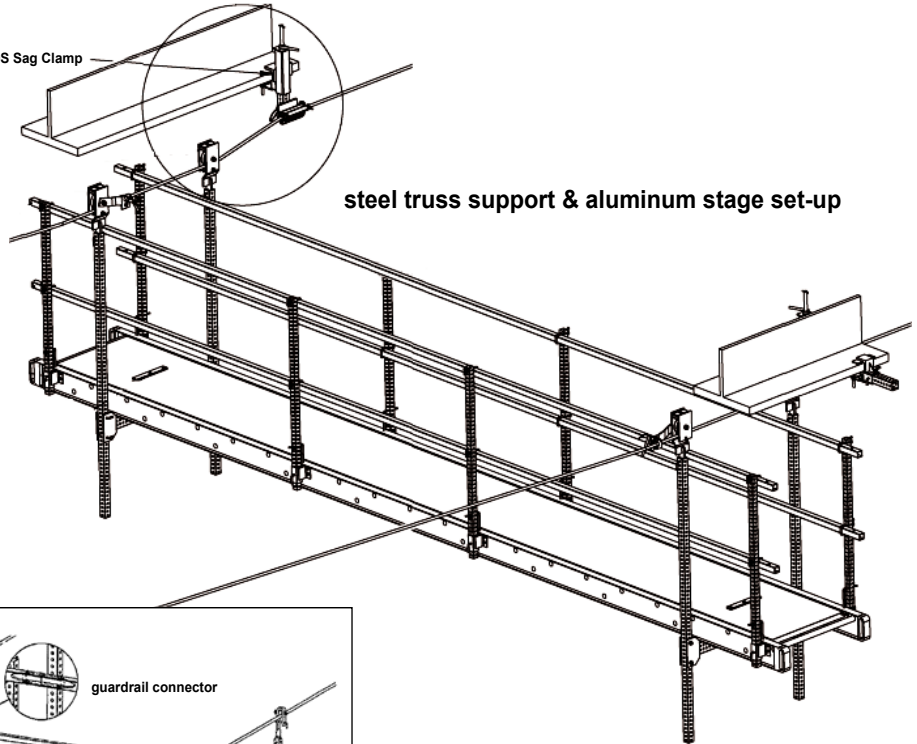




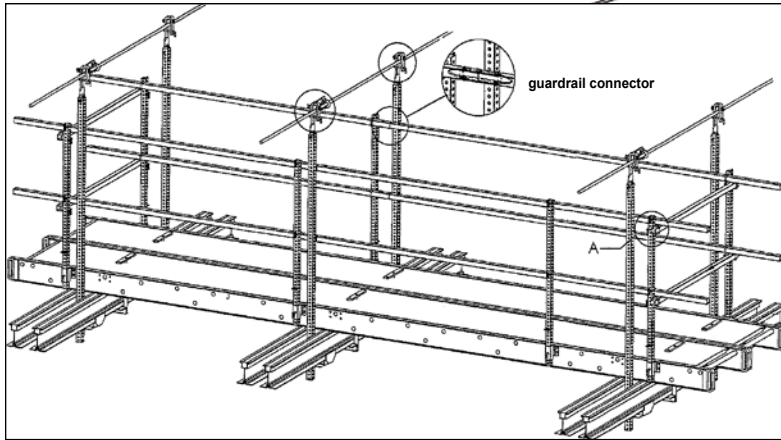
**cable scaffold assembly**



SL-59S Sag Clamp



steel truss support & aluminum stage set-up

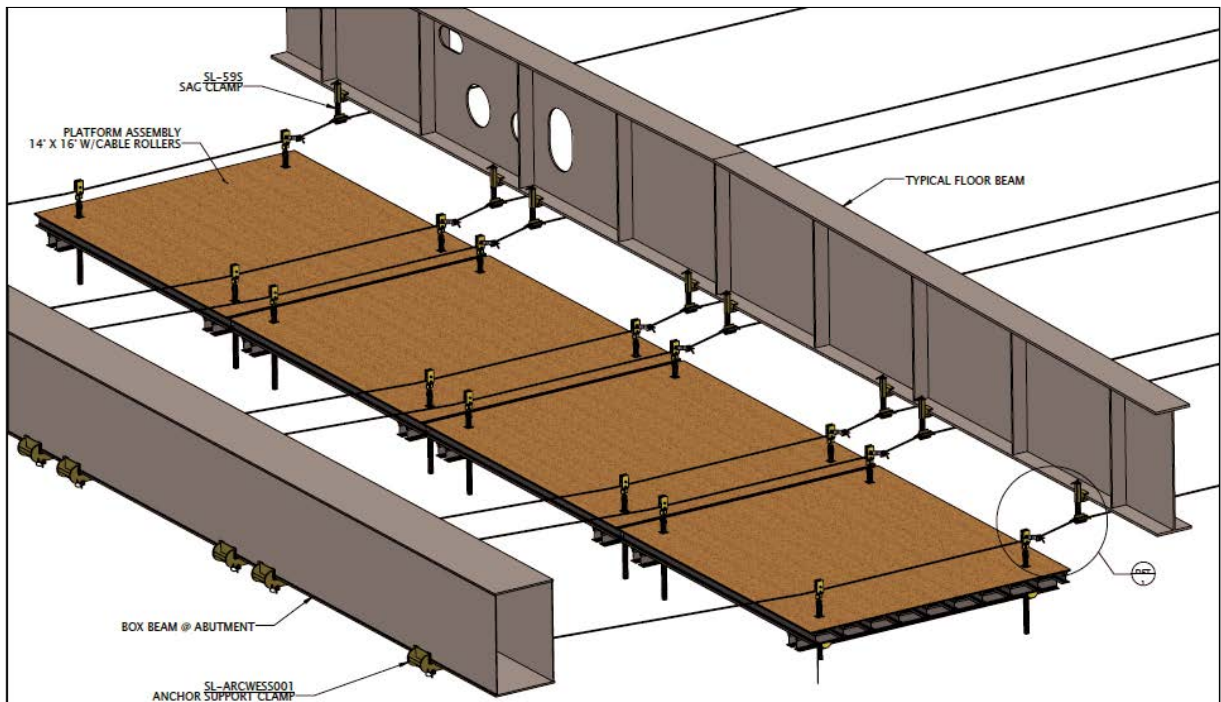


guardrail connector

aluminum beam support & aluminum stage set-up

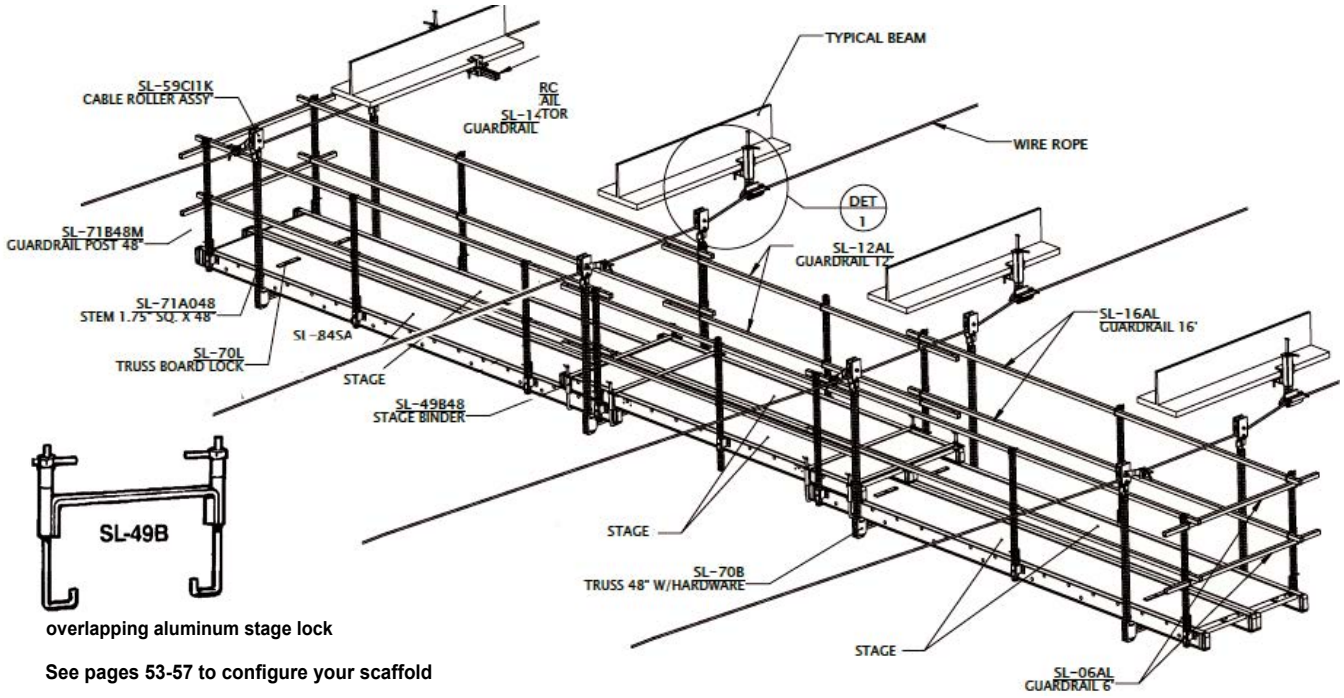
<b>Rolling Cable Suspended Scaffold</b>	<b>SL-59C11k</b>
Scaffold Packaged weight (lbs): 688	SWL (lbs): 750
Scaffold Size (ft): 2.33 X 32	distributed load

<b>Rolling Cable Suspended Scaffold</b>	<b>SL-59C11k</b>
Scaffold Packaged weight (lbs): 860	SWL (lbs): 1000
Scaffold Size (ft): 4 X 32	distributed load



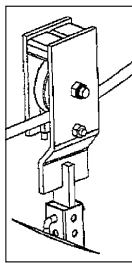
**cable scaffold assembly**

The cable scaffold can be used in many situations, including access to hard-to-reach skylights or atriums without tying up floor space below. On highways, work can proceed without affecting traffic.

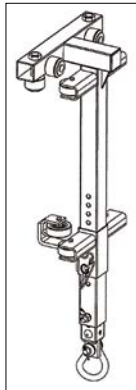


overlapping aluminum stage lock

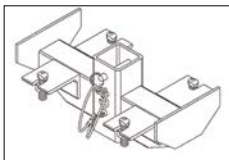
See pages 53-57 to configure your scaffold



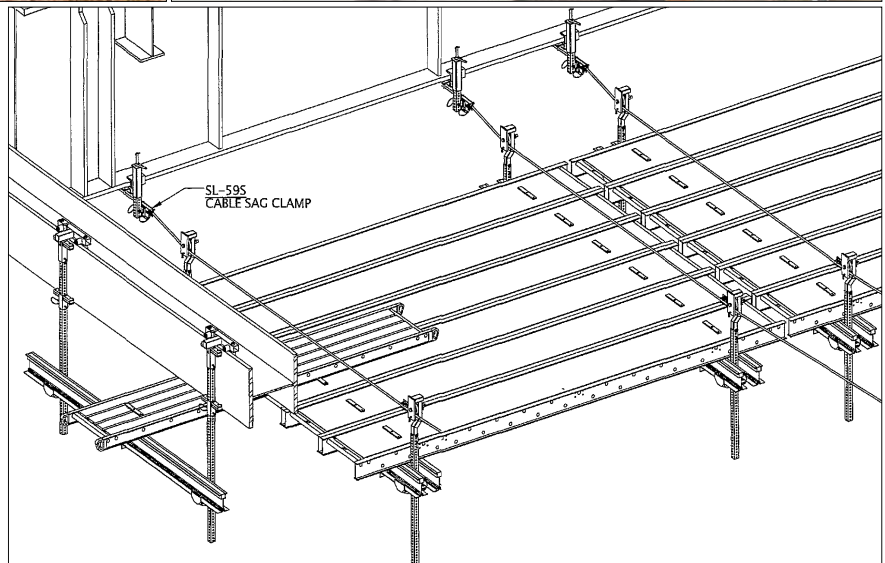
SL-59C1



SL-BCR48B



SLP-702TSB4



rolling cable scaffold (12 ft. X 20 ft.) with connecting scaffold to outside chord

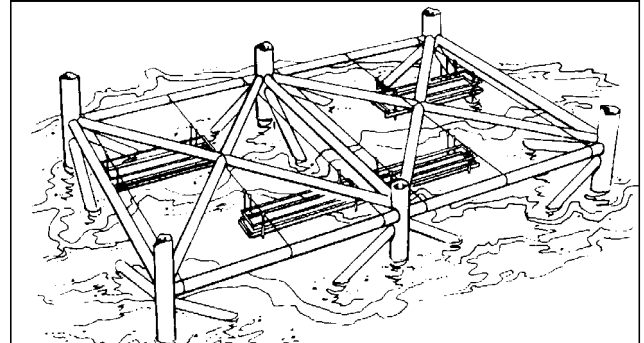




### rig scaffold systems

Temporary or permanent suspended scaffold decks can be erected with attention given to a type of scaffold system best suited for a particular area. We will custom design and fabricate to meet a specific scaffold need

inspect and maintain all underside areas of an oil rig



Swing-Lo Cable Scaffold is most effective where structural beams are not available for supporting a scaffold working deck. Cable trolleys are anchored on both ends to support a rolling working deck. All Cable Scaffolds are equipped with brakes to maintain working position.

### tanker ballast scaffold

When ballast tanks of cargo vessels need to be repaired or maintained, the Cable Scaffold system is a solution. All interior surfaces of the tank can be reached by horizontal as well as vertical travel of the access platform. In fact, there is no need to dock the vessel while maintenance or repairs are carried out; the installation and use of the system happens during transit of valuable cargo.

