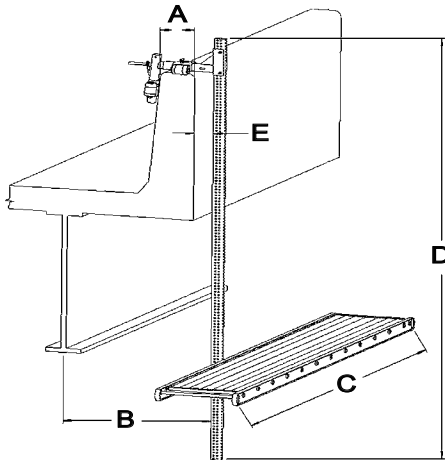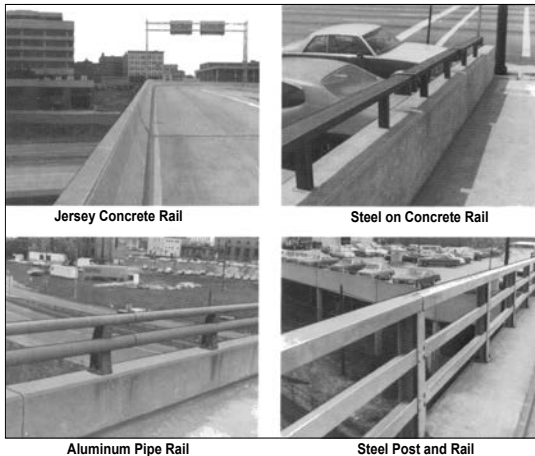## parapet scaffold considerations

When considering a Parapet Scaffold application, dimensions A, B, C, D, and E are critical in determining the appropriate model.

The Parapet Scaffold is adaptable to most bridge rail or parapet. The standard Upper Head Assembly will fit up to a fourteen and one-half inch concrete parapet **A** and up to thirty-six inches and more on other models. The Upper Head Assembly can also adapt to a four-inch diameter and larger pipe rail. As in every case, a competent person must determine whether the structure is sufficiently strong to carry the live and dead loads.

The Horizontal Bumper allows for up to five feet horizontal support **B** . The Horizontal Bumper allows for two types of support. The first application is to support the platform and the vertical stem at the web of the girder. The second application allows for multiple platforms when the horizontal support is attached to the bottom flange of the girder.
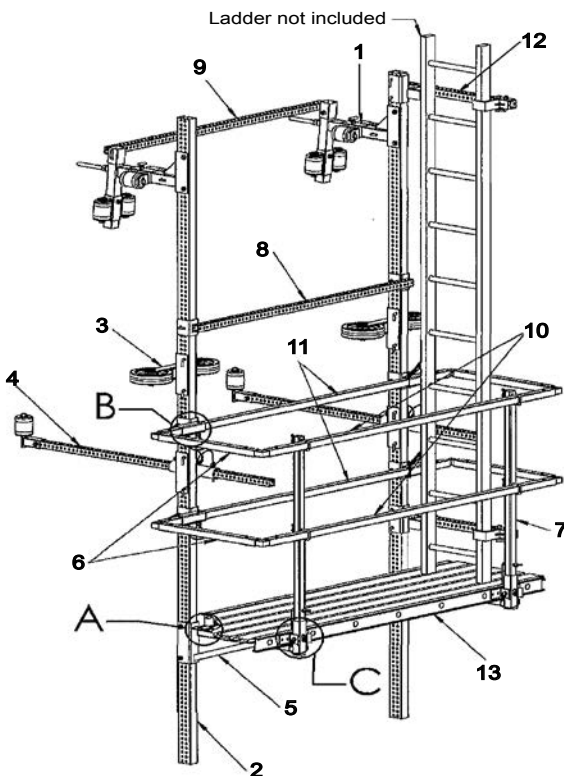
The platform lengths **C** are seven feet and twelve feet. Only twenty-four inch width is provided. At the time of determining the number of decks required, please indicate how far under the sidewalk you would need to access.

Letter **D** specifies the length of the vertical stems. When considering the length of the vertical stem, you must determine the deck elevation. Typically, two to four feet is subtracted from the vertical length, because of the stage bracket. The length of the vertical stem is provided in 10, 12, and 16 ft. options; however, stems are available to 24 ft.

Finally, consideration should be given to any obstruction such as, water pipe lines, cable lines, etc. along the bottom face of the parapet **E** . In cases where these obstructions exist, a different Upper Head Assembly may be specified, along with a Stand-off pad for the Lower Wheel Assembly (SL-15LAS).

typical rails and parapet designs

Jersey Concrete Rail

Steel on Concrete Rail

Aluminum Pipe Rail
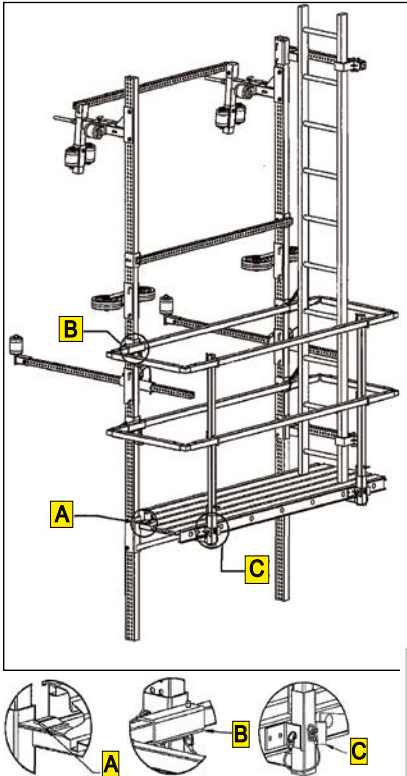
Steel Post and Rail

Ladder not included

The SL-15 series Parapet Scaffold comes in two sizes: 7 ft. and 12 ft. both offer a two foot-wide aluminum platform; however, several configurations are available. The perforated vertical stem provides adjustment of the deck height. Electro-plated steel upper assembly locks into position on most types of rails. Rollers allow you to move the scaffold along the parapet or rail with ease.
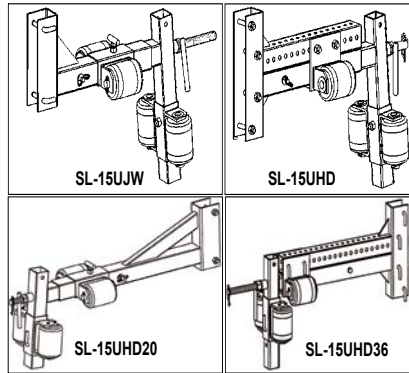
legend	
1	Upper Head Wheel Assembly
2	Vertical Stem
3	Adjustable Mid Wheel Assembly
4	Horizontal Brace w/Rotating Vertical Rollers
5	Stage Bracket w/Board Lock/Locking Clip **(DETAIL A)**
6	Aluminum Endrails w/connectors **(DETAIL B)**
7	Aluminum Guardrail Post w/post connector **(DETAIL C)**
8	Channel Brace
9	Tubing Brace
10	Aluminum Guardrail
11	Aluminum Guardrail (access to interior)
12	Ladder Clamp
13	Aluminum Stage

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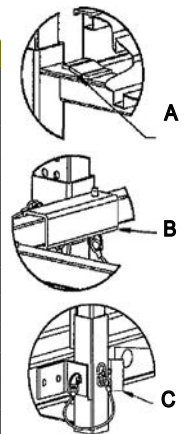
parapet scaffold components

upper head assemblies

SL-15UJW
SL-15UHD
SL-15UHD20
SL-15UHD36

adjustable mid-wheel assemblies

SL-10LAS
SL-15LAS
SL-15LDW
SL-15LXE32
SL-15LXE12
SL-15LX3
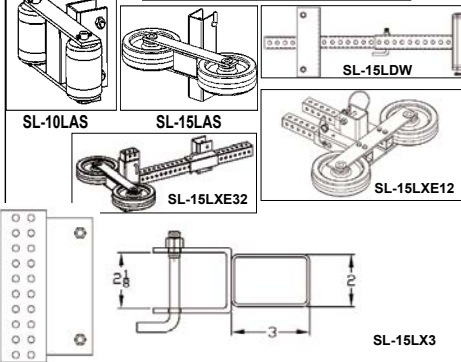
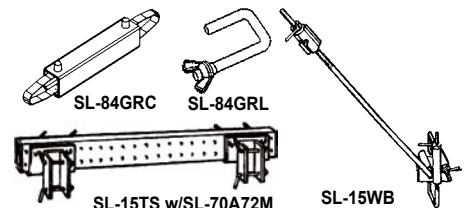| upper head assemblies	
SL-15UJW	Standard Upper Head Assembly w/wheels - 14 1/2"
SL-15UHD	Heavy Duty Upper Head Assembly w/wheels - 17 1/2"
SL-15UHD20	Heavy Duty Upper Head Assembly w/wheels - 20"
SL-15UHD36	Heavy Duty Upper Head Assembly w/wheels - 36"
adjustable mid-wheel assemblies	
SL-10LAS	3 1/4" x 4" Double Mid Wheel Assembly
SL-15LAS	2" x 8" Double Mid Wheel Assembly
SL-15LDW	2" x 6" Double Mid Wheel Assembly
SL-15LXE12	2" X 8" Adjustable (6"-12") HD Double Mid-Wheel Assem
SL-15LXE32	2" x 8" Adjustable (6"-32") Double Mid-Wheel Assembly
SL-15LX3	3" Single Mid-Wheel Extension
SL-15LX7	2" x 8" Adjustable (6"-32") Double Mid-Wheel Assembly
perforated vertical stems	
SL-7012	2" X 3" Vertical Perforated Stem 12'
SL-7016	2" X 3" Vertical Perforated Stem 16'
SL-7512	2" X 6" Vertical Perforated Stem 12'
SL-7516	2" X 6" Vertical Perforated Stem 16'
horizontal braces	
SL-15AB059T	1 1/2" Sq. x 5' Tubing Brace
SL-15AB059C	1 1/2" Sq. x 5' Channel Brace
SL-15AB120T	1 1/2" Sq. x 10' Tubing Brace
SL-15AB120C	1 1/2" Sq. x 10' Channel Brace
horizontal bumper supports	
SL-15CVR	Support with 2 each 3 1/4" x 4" V-Rollers, 5' Stem
SL-15CVS	Support with 2 each 3 1/4" x 4" V-Rollers, 6' Stem
aluminum stages	
SL-D2407	2 Ft. x 7 Ft. Aluminum Stage (2 Man)
SL-D2412	2 Ft. x 12 Ft. Aluminum Stage (2 Man)
stage brackets	
SL-24SB	2 Ft. Stage Bracket
SL-24SBB	2 Ft. Stage Bracket w/Clip Lock
SL-48SB	4 Ft. Stage Bracket
SL-72SB	6 Ft. Stage Bracket
guardrails	
SL-GR0800	1 1/2" Sq. X 80" Aluminum Guardrail
SL-GR0610B	1 1/2" Sq. X 61" Aluminum Guardrail
SL-GR1410	1 1/2" Sq. X 141" Aluminum Guardrail
SL-GR1220B	1 1/2" Sq. X 122" Aluminum Guardrail
endrails	
SL-24ERL	Endrail 2 Ft., W/15ERL6
SL-48ERL	Endrail 4 Ft., W/15ERL6
SL-72ERL	Endrail 6 Ft., W/15ERL6
guardrail posts	
SL-15GRP	1 1/2" Sq. X 48" Aluminum Guardrail Post
SL-71B48M	1 1/2" Sq. X 48" Perf. Steel Guardrail Post
SL-15GRPA	1 1/2" Sq. X 48" Aluminum Guardrail Post
ladder clamps	
SL-64A	Pipe Ladder Clamp
SL-64D	Side-Mounted Ladder Clamp
SL-64LC	Concrete Parapet Ladder Clamp
wrap-around parapet scaffold components	
SL-15TS	Vertical Stem to Truss Connector
SL-70A72M	2" X 3" X 72" Wrap-Around Truss
SL-15WB	Wrap-Around Scaffold Diagonal Brace

vertical stems

SL-70 SERIES (2X3)
SL-75 SERIES (2X6)
SL-76 SERIES (3X6)

horizontal braces

SL-15AB059T
SL-15AB059C

horizontal bumber supports

SL-15CVR

stage brackets

SL-24SB

SL-15ERL6
SL-24ERL
SL-D2412
SL-15GRP

ladder clamps

SL-64A
SL-64D
SL-64LC

wrap-around parapet scaffold components

SL-84GRC
SL-84GRL
SL-15TS w/SL-70A72M
SL-15WB

All products must be used in accordance with Swing-Lo Suspended Scaffold Company's Safety Instructions, and all Local, State, and Federal Safety Regulations
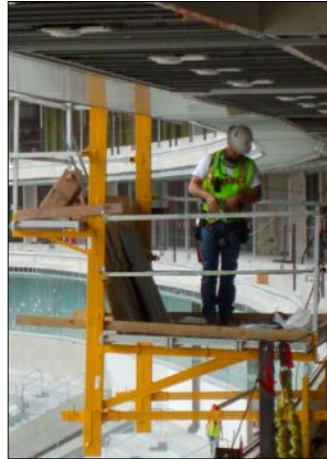
parapet scaffold models
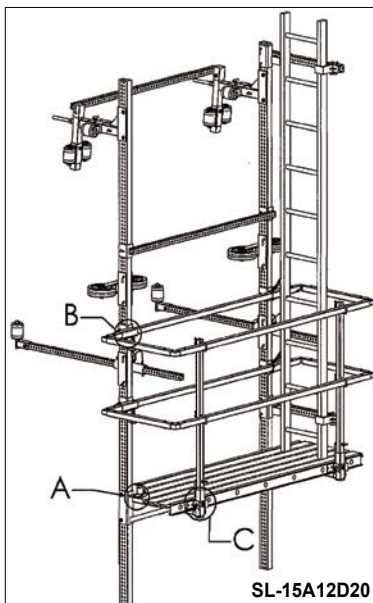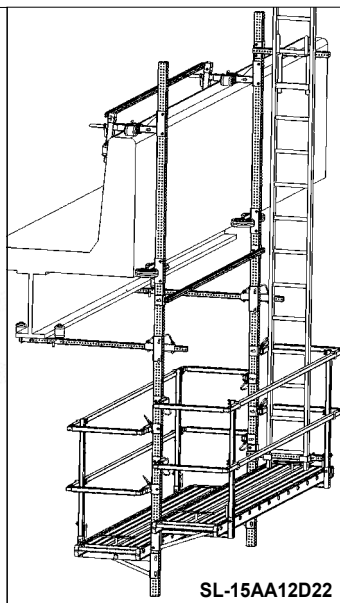

SL-15A12D20
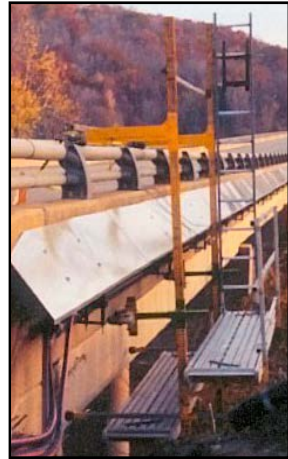
SL-15AA12D22

SLH-15A16D24

SLH-15X12D20

Parapet Scaffold Models

Model	Number of Decks	Scaffold Size (ft)	Stem Size (in)	Stem length (ft)	Wt (lbs)	SWL (lbs)
SL-15A12D20	1	2 X 7	2 X 3	12	350	500
SL-15AA12D20	1	2 X 12	2 X 3	12	402	500
SL-15A12D22	2	2 X 7	2 X 3	12	450	500
SL-15AA12D22	2	2 X 12	2 X 3	12	500	500
SLH-15A16D24	2	(1 ea. 2 X 7); (1 ea. 4 X 7)	2 X 6	16	600	750
SLH-15AA16D24	2	(1 ea. 2 X 12); (1 ea. 4 X 12)	2 X 6	16	650	750
SLH-15A20D26	2	(1 ea. 2 X 7); (1 ea. 6 X 7)	3 X 6	20	903	800
SLH-15AA20D26	2	(1 ea. 2 X 12); (1 ea. 6 X 12)	3 X 6	20	1013	800
SLH-15X12D20*	1	2 X UP TO 40	2 X 6	12	410	750

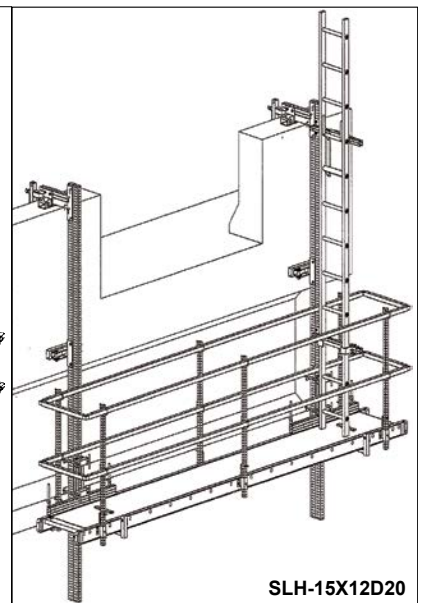SL-15A12D20

SL-15AA12D22
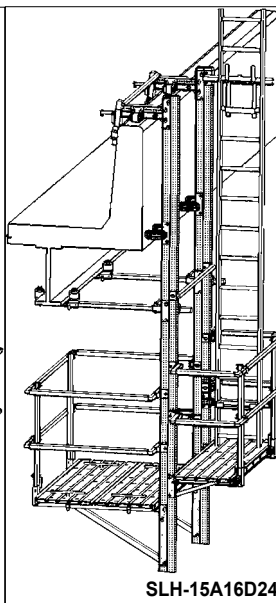
SLH-15A16D24

SLH-15X12D20

all models eqipped with rollers unless stated otherwise
* stationary parapet scaffold; wheels are optional
** ladder not included on any model

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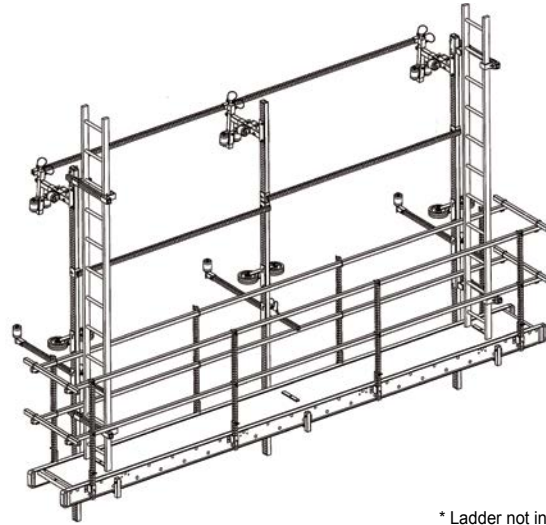
expanded parapet scaffold

The Expanded Parapet Scaffold allows for a longer platform by adding a middle Vertical Stem and replacing the stages with one longer one; in this case, increasing the deck size to twenty feet. Decks may be expanded up to forty feet on three Vertical Stems.

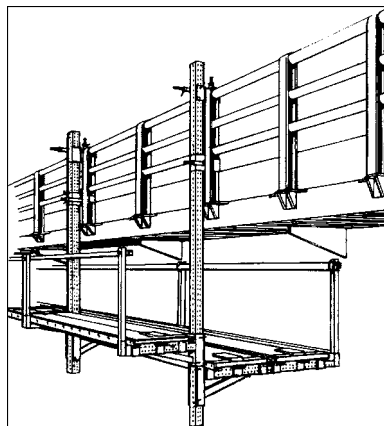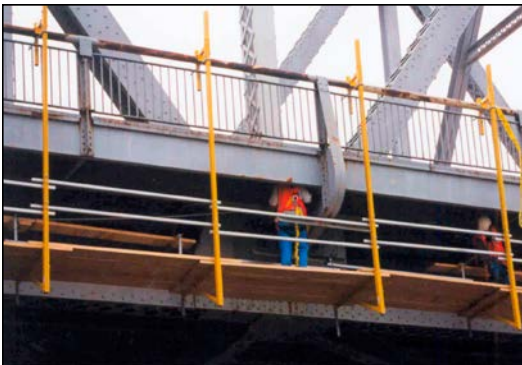**SL-15X320**

* Ladder not included

Expanded Parapet Scaffold		Wt	SWL
Model	Description	(lbs)	(lbs)
SL-15X320	2 ft. X 20 ft. Expanded Parapet Scaffold	980	750

stationary catwalk parapet scaffold

The SL-35AA assembly below is designed as a catwalk system, and is adaptable to most structural bridge rail designs.

SL-35AA

Stationary Bridge Rail Scaffold	
Part	Description
SL-35BRC	Stationary Upper Head Assembly
SL-7016	2" x 3" x 16' V-Stem
SL-24SB	24" Stage Bracket w/Board Locks
SL-48SB	48" Stage Bracket w/Board Locks

* Ladder not included

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extended parapet scaffold

Cut the cost of stripping, sandblasting, and maintainence on bridges designed with over-hangs. Swing-Lo's Extended Parapet Scaffold models are ideal for removing forms. The Upper Head Assembly extends the scaffold up to forty-eight inches away from the parapet, positioning the platform right where the work needs to be done without interfering with traffic below. Adaptable to most bridge rails or parapets. No special tools needed for erection.

SL-25AA

SLH-45AA

SLH-45AA2

SLH-55AA

Extended Parapet Scaffold					
Model	Size (ft)	Arm (in)	Stem (ft)	Wt (lbs)	SWL (lbs)
SL-25AA	4 X 12	36	16	882	500
SLH-45AA	4 X 12	44	8	783	750
SLH-45AA2	4 X 12	44	16	1120	750
SLH-55AA	7 X 16	48	20	1320	800

noise barrier wall scaffold

The Noise Barrier Scaffold offers multi-elevations and choice of rolling and non-rolling. The system is designed for fourteen-inch aluminum stages with lengths up to thirty-two feet. Safe Working Loads of up to seven hundred and fifty pounds.

SL-85NBS

Noise Barrier Wall Scaffold (rolling/non-rolling)	SL-85NBS SWL (lbs)
Barrier Size (in): 8 - 15 Scaffold Packaged weight (lbs): 371 Scaffold Size: 14" X 32' (2)	750/elevation distributed load

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wrap-around parapet scaffold

The SL-15WA Wrap-Around Parapet Scaffold lets you maximize the efficiency of your work force. Wrap-Around design lets you simultaneously work along both sides of the bridge AND underneath it. Roller Clamps let you reposition the scaffold as work progresses.
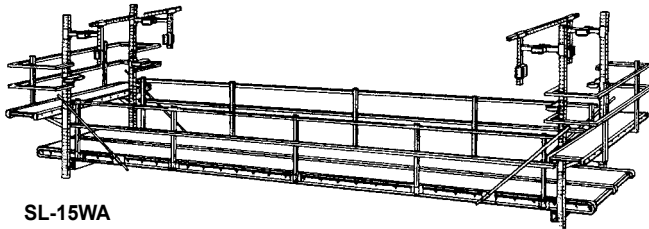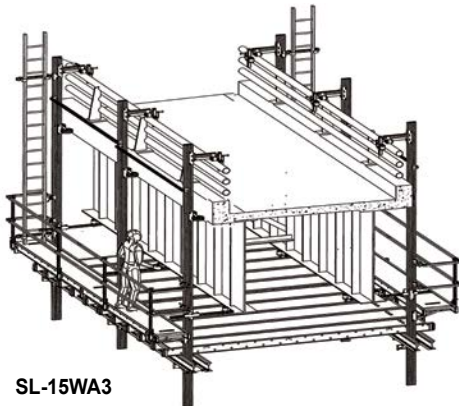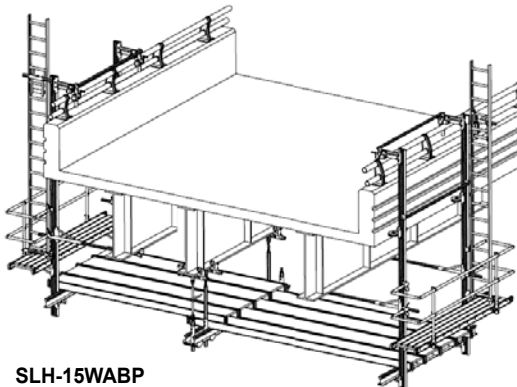
SL-15WA

wrap-around parapet scaffold

Model	Access deck size (ft)	Deck width (ft)	Stem size (in)	Stem length (ft)	Wt (lbs)	SWL (lbs)
SL-15WA	2 X 7	to 40	2 X 3	16	900	750

* Ladder not included

expanded wrap-around parapet scaffold

The size of the working area can be significantly increased by adding more components to the Expanded Wrap-Around Parapet Scaffold. Another benefit is to increase the distributed Safe Working Load. This system is truly versatile.

SL-15WA3

wrap-around parapet scaffold (three vertical stems)

Model	Access deck size (ft)	Deck width (ft)	Stem size (in)	Stem length (ft)	Wt (lbs)	SWL (lbs)
SL-15WA3	2 X 24	to 40	2 X 6	16	1380	750+

* Ladder not included

heavy duty wrap-around parapet scaffold w/connecting by-pass scaffold

When the width of the bridge prevents you from using the standard wrap-Around Parapet Scaffold (SL-15WA), just add the intermediate rolling system. When there are floor beams, diaphrams, or other obstructions, include the By-Pass attachments. This system offers strength and flexibility.

SLH-15WABP

wrap-around parapet scaffold w/connecting by-pass system

Model	Access deck size (ft)	Deck width (ft)	Stem size (in)	Stem length (ft)	Wt (lbs)	SWL (lbs)
SLH-15WABP	2 X 12	40	2 X 6	16	1273	750+

* Ladder not included

median barrier scaffold

The Median Barrier Scaffold provides a rolling platform on the median Jersey barrier from which the worker has access to finishing details on fresh concrete road surfaces. It helps in reducing worker fatigue from hanging over the barrier. The scaffold places the worker approximately 12" to 18" above the roadway.
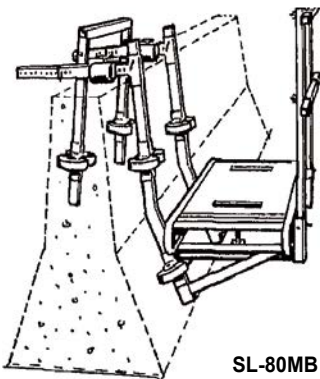
Median Barrier Scaffold	SL-80MB
Barrier Size (in): 8 - 15 Scaffold Packaged weight (lbs): 160 Scaffold Size (ft): 2 X 7	SWL (lbs): 500 distributed load

SL-80MB

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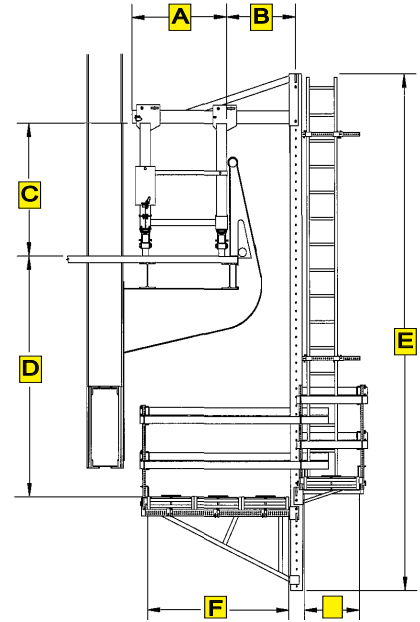
counterweight over-hang scaffold

The Counter-weight Overhang Scaffold is ideal for accessing areas up to seven feet under the bridge from the bridge fascia. A two foot access platform is included.
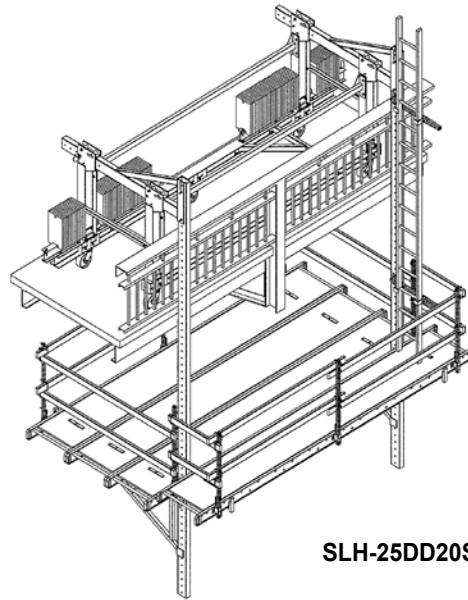
SLH-25DD20S4

counterweight overhang cart scaffold					all dimensions (in)					SWL
Model	A	B	C	D	E	F	G	Lgt	Wt*	(lbs)
SL-25DD10S2	55.50	24	63	72	192	24	24	120	2430	500
SL-25DD10S3	55.50	24	63	72	192	72	24	120	2595	500
SL-25DD16S3	50.50	24	62	72	240	56	29	192	2789	800
SLH-25DD20S4	81.00	36	96	72	240	85.5	29	192	3333	800

* counterweights not included

retaining wall scaffold

The Retaining Wall Scaffold allows for access to the top of the wall and both sides of the wall. Specify the width and length of all decks.
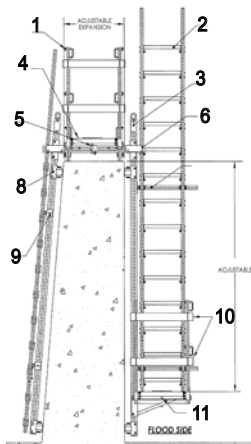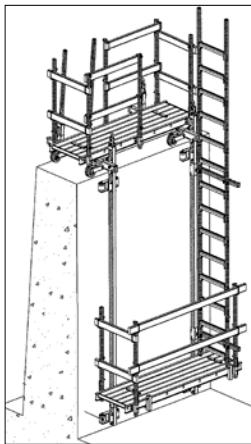
legend	
1	Guardrail Post
2	Ladder
3	Stem w/lifting eye
4	Aluminum Stage
5	Stage Lock
6	Upper Head w/rollers
7	Ladder Clamp
8	Side-Roller Assembly
9	Channel Brace
10	Wood Guardrail
11	Stage Bracket

retaining wall						
Model	Scaffold Size (ft)	no.	Stem Size (in)	Stem Lgth (ft)	Wt (lbs)	SWL (lbs)
SL-712RWS	2 X 7	2	2 X 3	16	322	500

SL-712RWS

flood wall access scaffold

SL-35FWA

Access modular support brackets on both sides of floodwall cylinder piles for final steelwork and concrete pours. A series of pre-assembled scaffolds, configured for single leapfrog lifts, facilitates increased productivity for final steel rebar placements and intermediate sealing work between piles. The system includes anti-rocking pads, and is adjustable vertically. A single tightening mechanism is included to virtually eliminate what little sway exists in the assembled scaffolds. Standard platform widths are two feet and four feet, with aluminum stage lengths that can match pile center lines. The scaffolds can be engineered to support the contractor's load requirements. Guardrails are included.
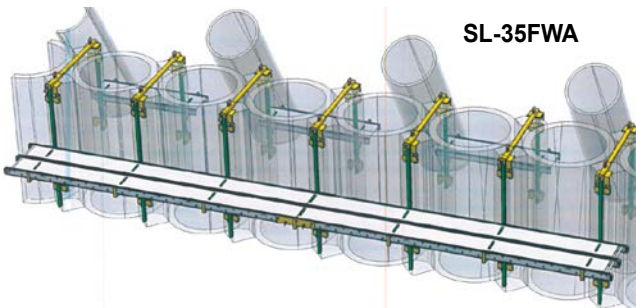
flood wall access scaffold				
Model	Scaffold size (ft)	Stem size (in)	Stem lngth (ft)	wt (lbs)
SL-35FWA	4 X 40	2 X 3	12	868

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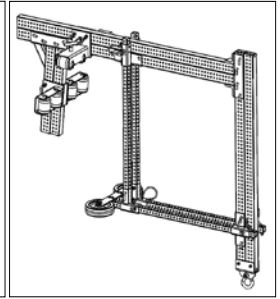
barrier wall scaffold

The rolling Barrier Wall Clamp models are used with other components to create a stable and effective work platform. Add the CHD-101 Stage Hangers, an aluminum stage, guardrail system, and winches to complete the package.
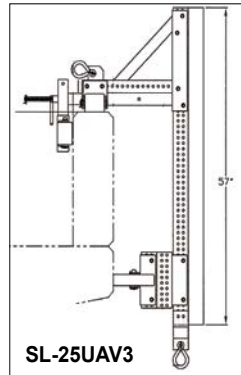

SL-80DHV2

SL-25UAV

SL-25UAV3

SLH-25UAV4
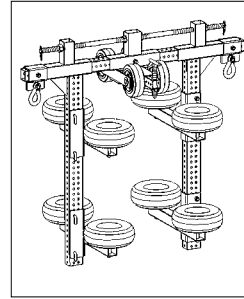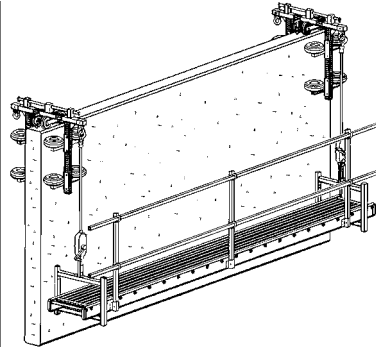
Rolling Barrier Wall		Expansion	Width	Weight	SWL
Model	Description	(in)	(in)	(lbs)	(lbs)
SL-80DHV2	Winch Dbl-side Clamp	14 - 24	8.5 - 18	245	1000
SL-25UAV	Extended Parapet Clamp	12 - 36	6 - 18	260	1000
SL-25UAV3	Extended Parapet Clamp	12 - 24	12 - 24	174	1000
SLH-25UAV4	Material Lift Parapet Clamp	24 - 36	12 - 15	581	5000

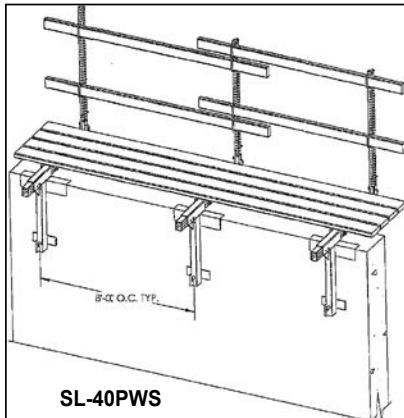## parapet walkway system

The Parapet Walkway System provides a twenty-four inch wide walkway on the top of the concrete parapet. Space the brackets 8 ft. on center, and then used aluminum stages or Scaffold Grade Planks to create a safe and effective platform for the worker.
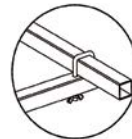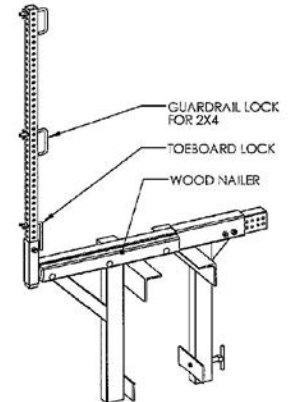

SL-40PWS

Parapet Walkway System	
Model	Description
SL-40PWS	1 each Parapet Walkway Bracket with Guardrail Post and wood rail locks (2 ea.)
Wt (lbs): 44	**Spacing: 8 ft. on center**
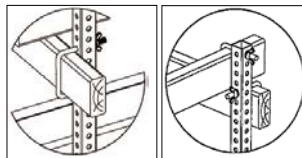
Wood guardrail (2" X 4") option
Using SL-35D rail lock (for 2 X 4 wood rail)

Aluminum guardrail (1.50" sq.) option
Using SL-84GRL3 endrail lock

GUARDRAIL LOCK FOR 2X4
TOEBOARD LOCK
WOOD NAILER

girder walkway system

The Girder Walkway is adaptable to most structures, including I-beams, chords, and Trusses. Each bracket is spaced 8 ft. on center, with a twenty-four inch wide aluminum stage as the deck. Guardrails are attached to the aluminum walk board.
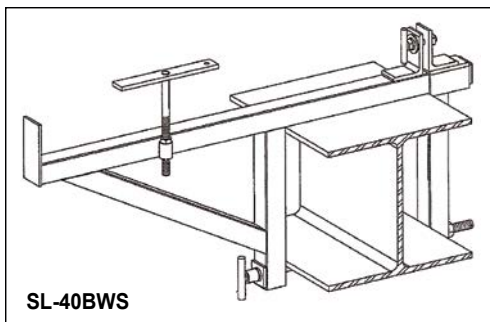
SL-40BWS

Girder Walkway System	
Model	Description
SL-40BWS	1 each Girder Walkway Bracket with Board Lock
Wt (lbs): 36	**Spacing: 8 ft. on center**

SWING-LO®
SUSPENDED SCAFFOLD COMPANY