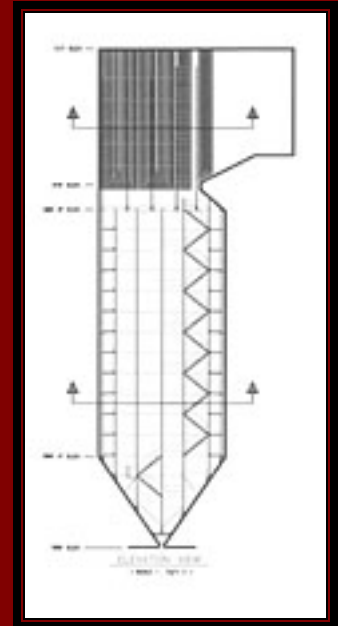
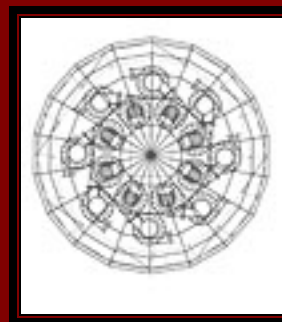
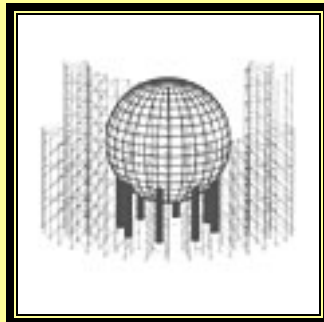




TECHNICAL MANUAL



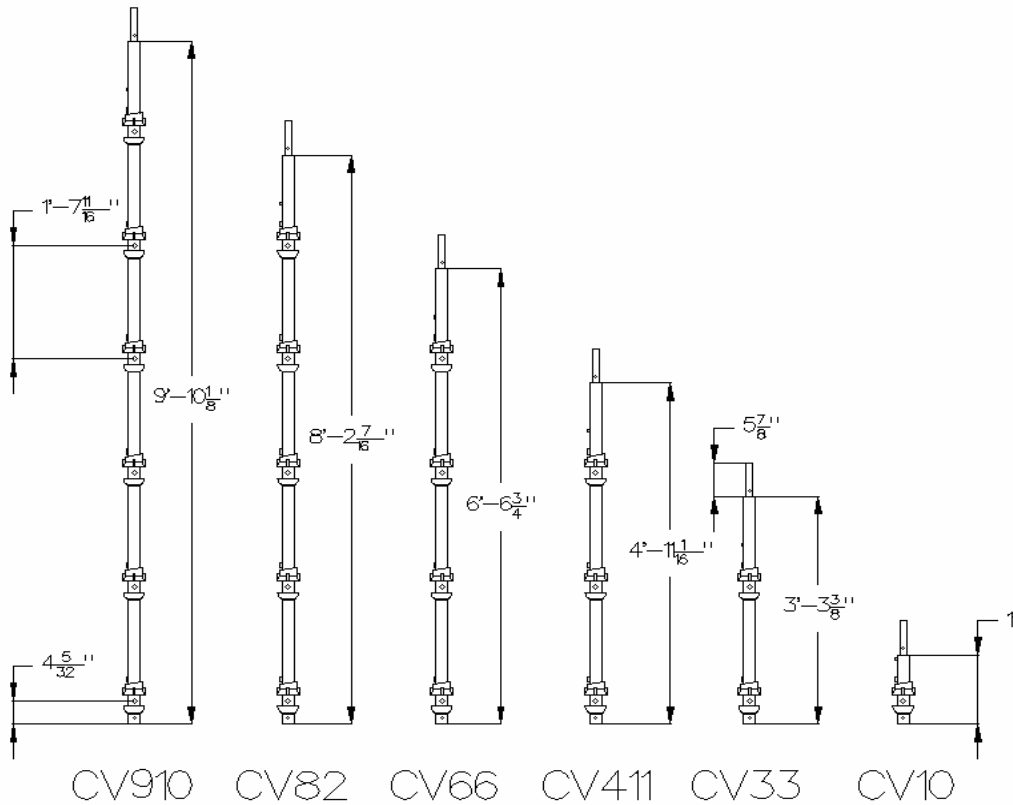
Brand Services, Inc.

Scaffolding

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⇒ **Systems Scaffold Verticals – With Spigots**

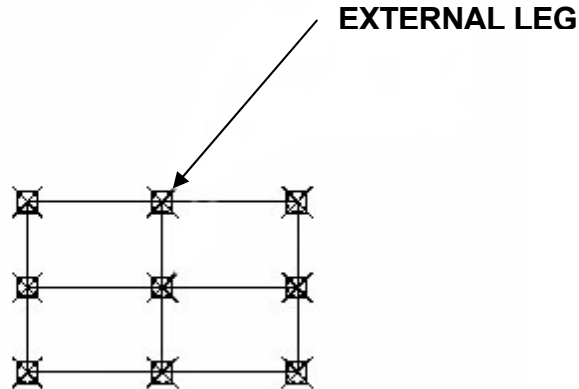


ITEM NO.	DESCRIPTION	WEIGHT, LBS
CV10	1' 0" VERTICAL	3.7
CV33	3' 3" VERTICAL	12.1
CV411	4' 11" VERTICAL	18.7
CV66	6' 6" VERTICAL	25.0
CV82	8' 2" VERTICAL	31.3
CV910	9' 10" VERTICAL	36.5

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

⇒ **Systems Scaffold Leg Loading Chart**

(Based on 4:1 Safety Factor)

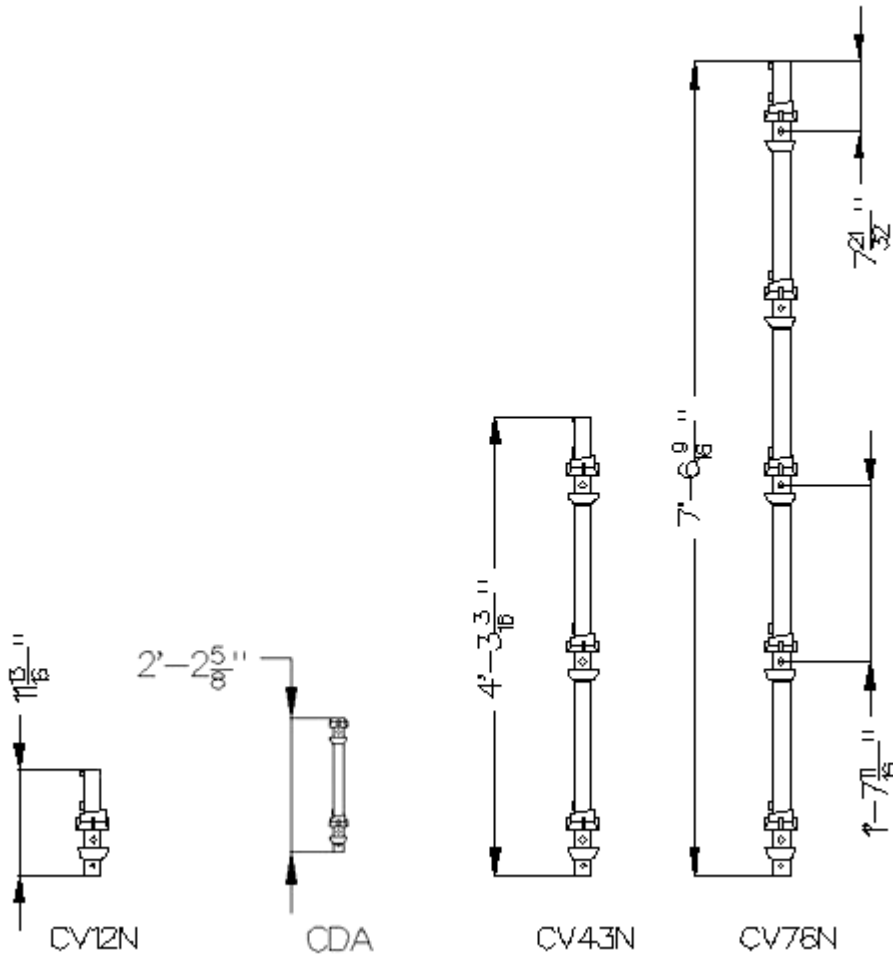


Lift Height	External Vertical	
	Max 6'-0" Horizontal	Max 8'-0" Horizontal
6'-6 3/4"	4500 lbs.	4000 lbs.

- 1.) Allowable load on each vertical depends on the distance between horizontals and the number of the horizontal members attached at each cup.
- 2.) Above safe working loads are based on a 4:1 Safety Factor.
- 3.) Allowable safe working load on each cup is 6000 pounds based on a 4:1 Safety Factor.
- 4.) These allowable loads are only valid if each horizontal member is adequately braced to prevent horizontal movement.

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

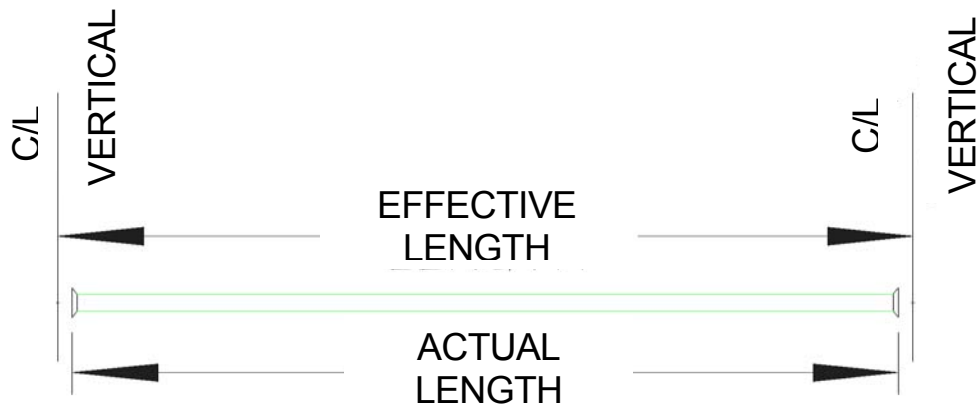
⇒ **Systems Scaffold Spigotless Verticals**



ITEM NO.	DESCRIPTION	WEIGHT, LBS
CV76N	7' 6" VERTICAL	25.5
CV43N	4' 3" VERTICAL	14.5
CDA	25" DECK ADAPTOR	8.1
CV12N	1 CUP VERTICAL	3.8

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

⇒ **Systems Scaffold Horizontals**

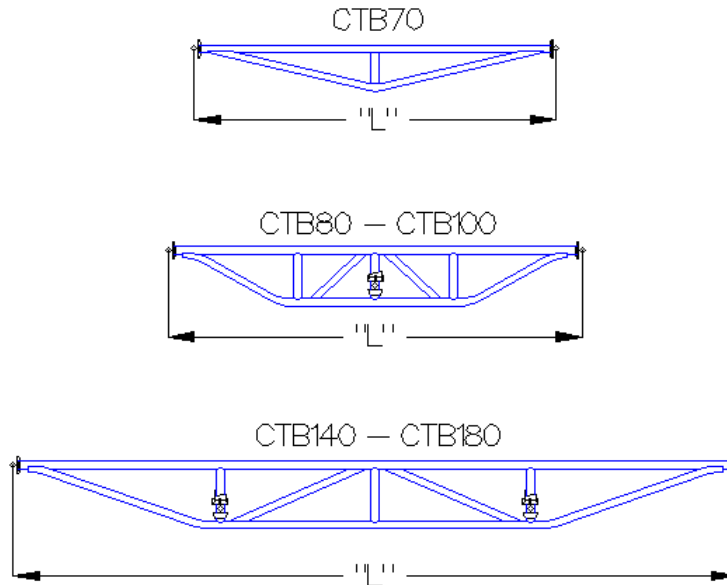


ITEM NO.	DESCRIPTION	EFFECTIVE LENGTH	ACTUAL LENGTH	WEIGHT, LBS	UNIFORM LOAD, LB/FT	CENTER LOAD, LB	STEEL PLANK NO. / GAP	WOOD PLANK NO. / GAP
CH110	1'-10" HORIZ.	1' - 10 1/4"	1' - 8 3/8"	5.0	610	915	2 / 1"	2 / 1/2"
CH27	2'- 7" HORIZ.	2' - 7 5/16"	2' - 5 3/8"	7.3	610	915	3 / 1'	3 / 1 1/4"
CH30	3'- 0" HORIZ.	3' - 0"	2' - 10 1/8"	9.5	610	915	3 / 5 - 3/4"	3 / 5"
CH36	3'- 6" HORIZ.	3' - 6"	3' - 4 1/8"	10.2	557	974	4 / 2 - 3/4"	4 / 1 - 3/4"
CH40	4'- 0" HORIZ.	4' - 0"	3' - 10 1/8"	11.0	504	1008	5 / 0"	4 / 7 - 1/2"
CH50	5'- 0" HORIZ.	5' - 0"	4' - 10 1/8"	13.1	375	937	6 / 2 - 1/4"	6 / 3/4"
CH60	6'- 0" HORIZ.	6' - 0"	5' - 10 1/8"	15.5	247	741	7 / 5 - 3/4"	7 / 4"
CH70	7'- 0" HORIZ.	7' - 0"	6' - 10 1/8"	18.4	185	647	9 / 0"	8 / 6 - 3/4"
CH80	8'- 0" HORIZ.	8' - 0"	7' - 10 1/8"	20.9	123	492	10 / 2 - 3/4"	10 / 1 1/4"
CH90	9'- 0" HORIZ.	9' - 0"	8' - 10 1/8"	23.8	N/A	250 *	N/A	N/A
CH100	10'- 0" HORIZ.	10' - 0"	9' - 10 1/8"	26.5	N/A	250 *	N/A	N/A

*Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.

* Minimum required by OSHA

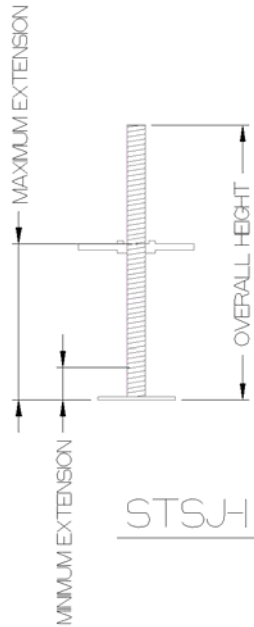
⇒ **Systems Scaffold Truss Loading Charts**



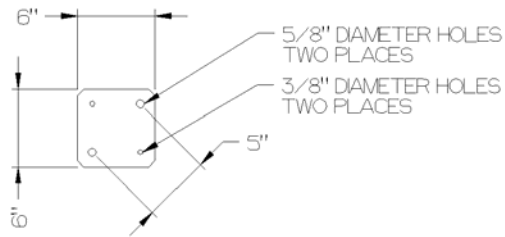
ITEM NO.	DESCRIPTION	EFFECTIVE LENGTH	ACTUAL LENGTH	WEIGHT, LBS	UNIFORM LOAD, LB/FT	CENTER LOAD, LB	STEEL PLANK NO. / GAP	WOOD PLANK NO. / GAP
CTB70	7'-0" TRUSS	7' - 0"	6' - 10 1/8"	48.4	570	2000	9 / 0"	8 / 6 - 3/4"
CTB80	8'-0" TRUSS	8' - 0"	7' - 10 1/8"	57.0	700	2800	10 / 2 - 3/4"	10 / 1 1/4"
CTB90	9'-0" TRUSS	9' - 0"	8' - 10 1/8"	63.0	720	3250	11 / 5 - 3/4"	11 / 3"
CTB100	10' - 0" TRUSS	10' - 0"	9' - 10 1/8"	70.0	500	2500	13 / 0"	12 / 5 - 3/4"
CTB140	14' - 0" TRUSS	14' - 0"	13' - 10 1/8"	85.0	270	1875	18 / 2 - 3/4"	17 / 7 - 1/2"
CTB160	16' - 0" TRUSS	16' - 0"	15' - 10 1/8"	105.0	250	2000	21 / 0"	20 / 3 - 3/4"
CTB180	18' - 0" TRUSS	18' - 0"	17' - 10 1/8"	120	210	1875	23 / 5 - 3/4"	23 / 0"

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

⇒ **Systems Scaffold Tubular Screw Jack – STSJ-1**



STSJ-1

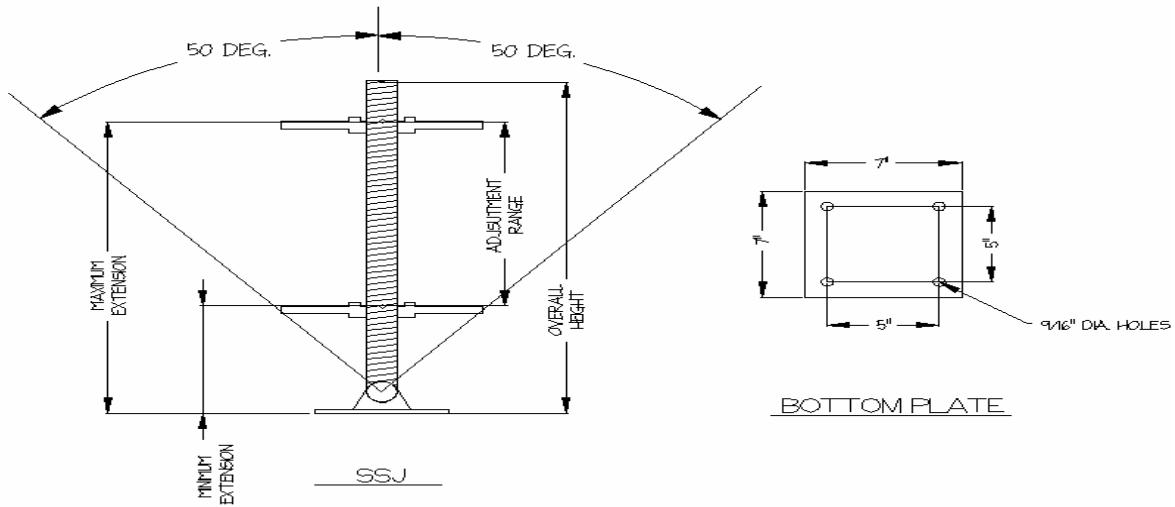


BOTTOM PLATE

PART NUMBER	STSJ-1
MAXIMUM EXTENSION	14"
MINIMUM EXTENSION	2"
ADJUSTMENT RANGE	12"
OVERALL HEIGHT	21"
WEIGHT GALVANIZED	8.0 LB
MAX. VERTICAL LOAD	11,750 LB

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

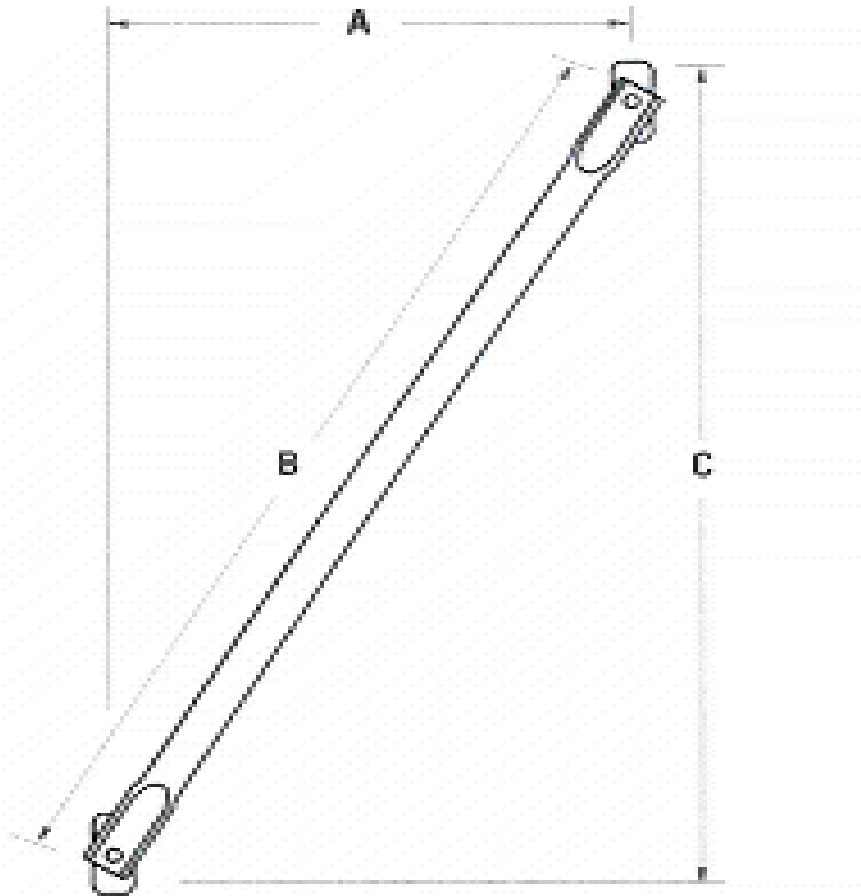
⇒ **Systems Scaffold Swivel Screw Jack – SSJ**



PART NUMBER	SSJ
MAXIMUM EXTENSION	18 – 13/16”
MINIMUM EXTENSION	6 – 5/16”
ADJUSTMENT RANGE	12 – 1/2 “
OVERALL HEIGHT	24 – 13/16”

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

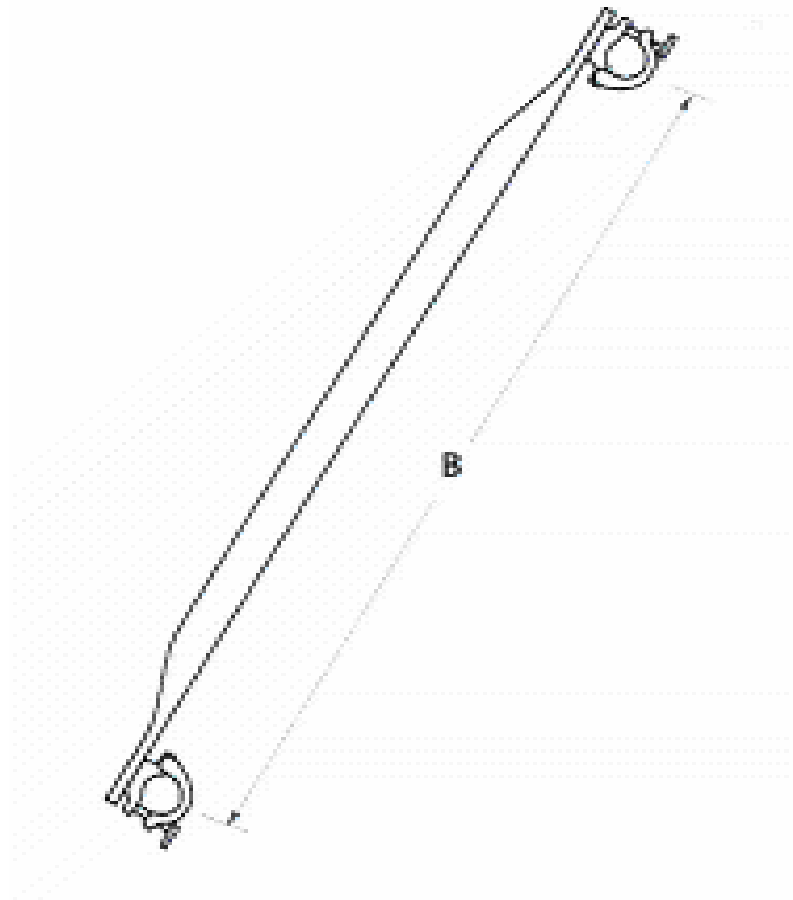
⇒ **Systems Scaffold Swivel Face Brace**



ITEM NO.	DIM. "C"	DIM. "A"	DIM. "B"	WEIGHT, LBS
CFB70	6' - 6 3/4"	7' - 0"	9' - 7 1/8"	26.5
CFB80	6' - 6 3/4"	8' - 0"	10' - 4 3/16"	30.0
CFB90	6' - 6 3/4"	9' - 0"	11' - 1 5/8"	33.5

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

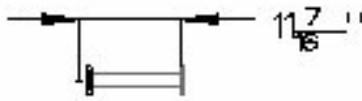
⇒ **Systems Scaffold Swivel Clamp Brace**



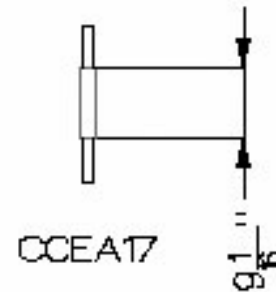
PART NUMBER	DESCRIPTION	DIM. "B"	WEIGHT, LBS
CCB70	9' - 7 1/8" SWIVEL CLAMP BRACE	9' - 7 1/8"	26.5
CCB80	10' - 4 3/16" SWIVELCLAMP BRACE	10' - 4 3/16"	28.5

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

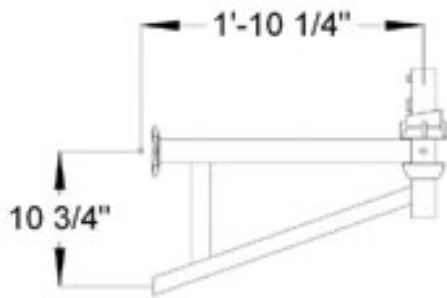
⇒ **Systems Scaffold Board Brackets and Cantilever "A" Frame**



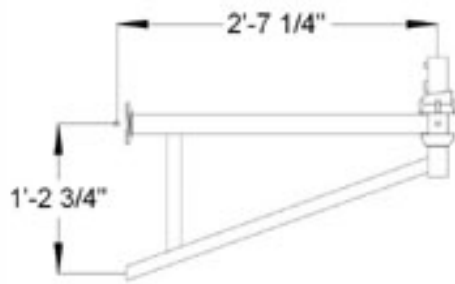
CBB10



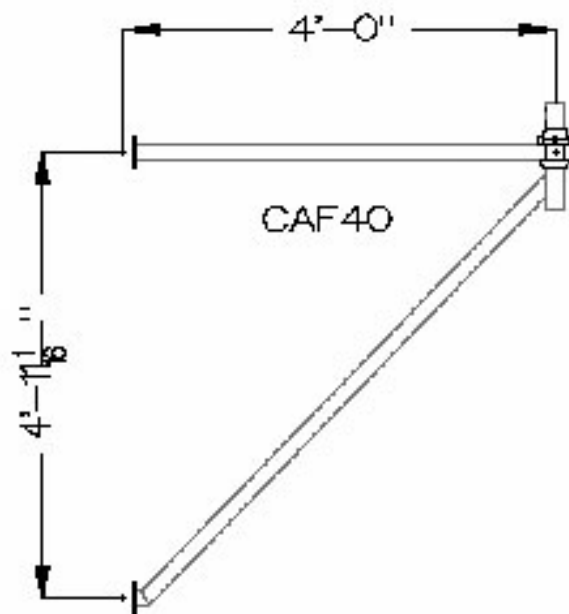
CCEA17



CBB110



CBB27



CAF40

Systems Scaffold Board Brackets and Cantilever “A” Frame Chart:

CODE	DESCRIPTION	DIM. “ L “	WEIGHT, LBS	UNIFORM LOAD, LB/FT	END LOAD, LB
CBB10	ONE BOARD BRACKET	11-7/16”	3.3	CONTACT BRAND ENGINEERING	CONTACT BRAND ENGINEERING
CBB110	TWO BOARD BRACKET	1’ – 10 1/4”	13.7	1250	1160
CBB27	THREE BOARD BRACKET	2’ – 7 5/16”	17.0	605	780
CAF40	CANTILEVER “A” FRAME	4’ – 0”	44.1	224	1686

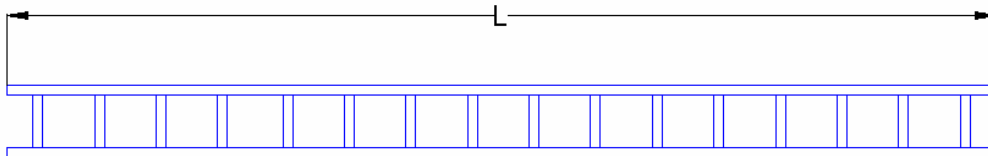
**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

NOTES:

Use CEA17 adapter to insert a vertical leg into the end of the bracket.

CAF40 must not be used without a diagonal brace extending from the bottom of the bracket. Check with engineer before using this item.

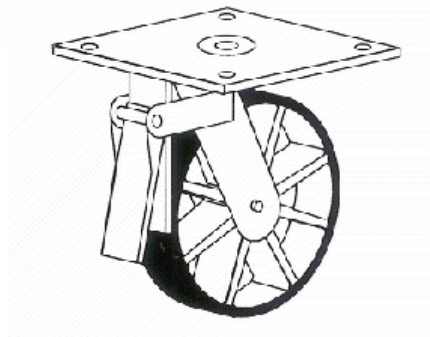
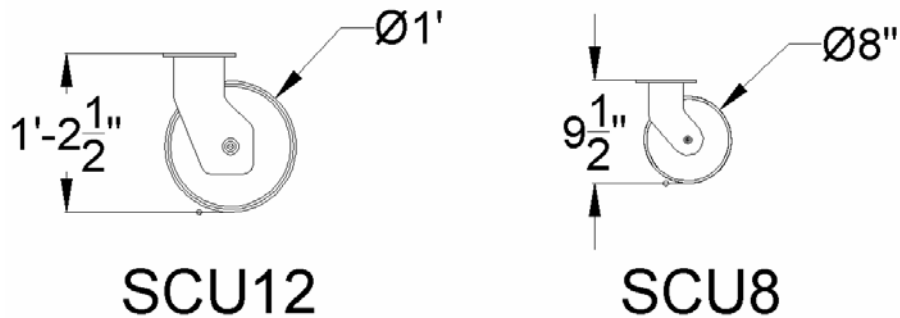
⇒ **Systems Scaffold Ladder Beams**



CODE	DESCRIPTION	DIM. "L"	MAX. SPAN	WEIGHT, LB	CENTER LOAD, LB	UNIFORM LOAD, LB/FT
LB16	16' LADDER BEAM	16' - 0"	15' - 0"	128	2502	257
LB21	21' LADDER BEAM	21' - 0"	20' - 0"	168	1855	128

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

⇒ **Systems Scaffold Casters**

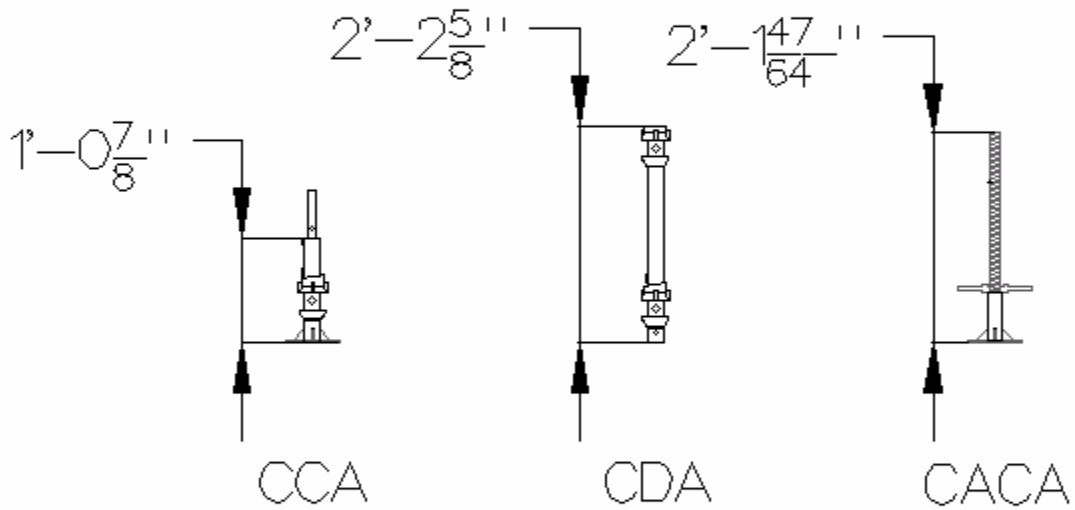


SCU8 - 8" Caster maximum load rating is 900lb.

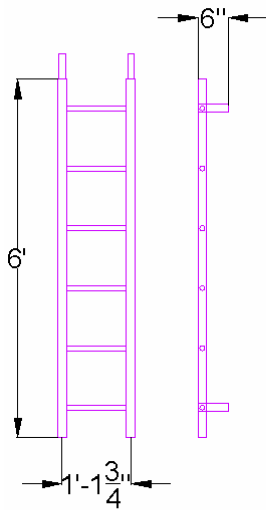
SCU 12 - 12". Caster maximum load rating is 900lb if the bottom two nodes have at least two horizontals that are 90 degrees apart, the maximum load rating is 1700 lbs.

**Seek professional engineering guidance when designing scaffolds*

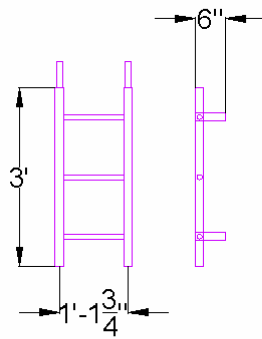
⇒ **Systems Scaffold Vertical and Caster Adapters**



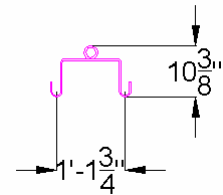
⇒ **Systems Scaffold Ladders and Ladder Brackets**



**SAU-6
LADDER**

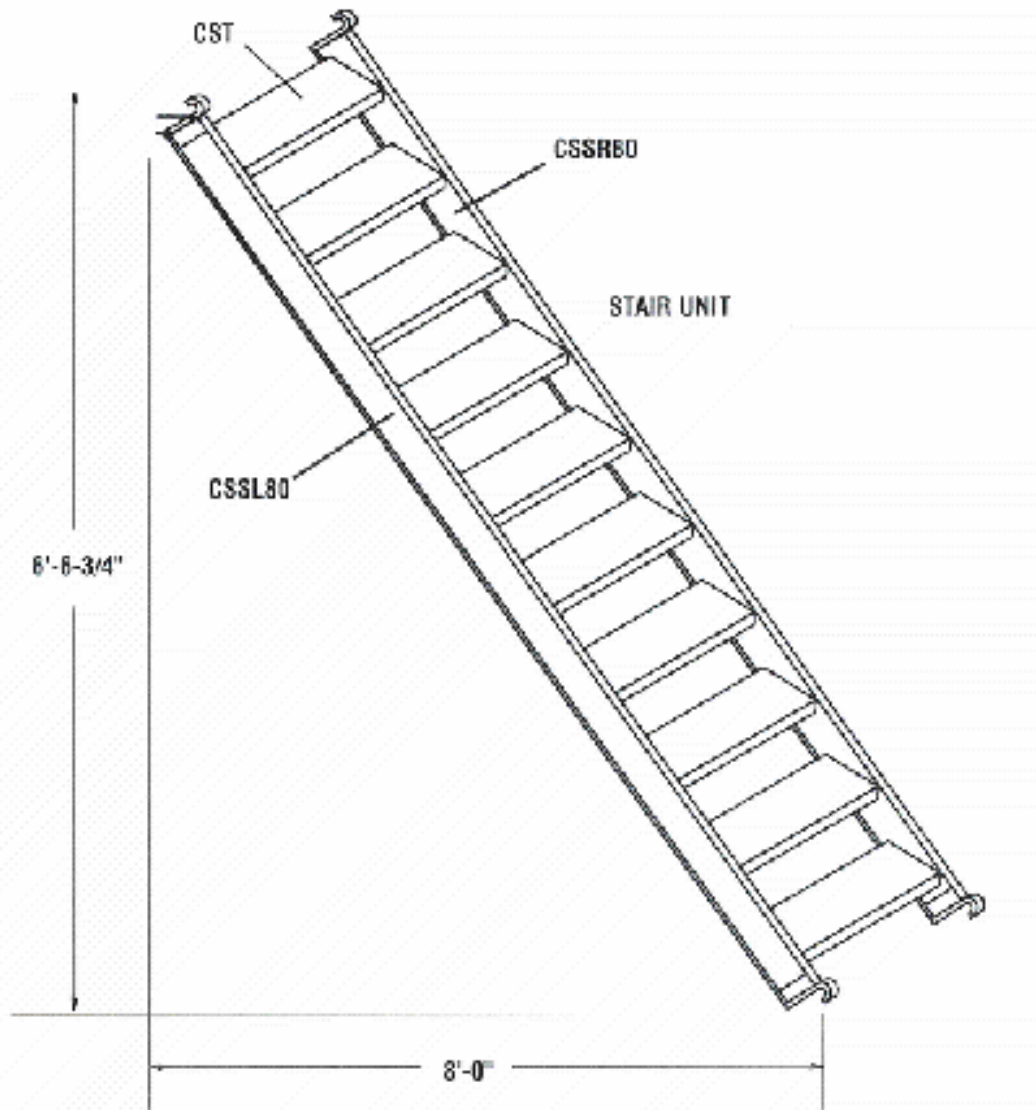


**SAU-3
LADDER**



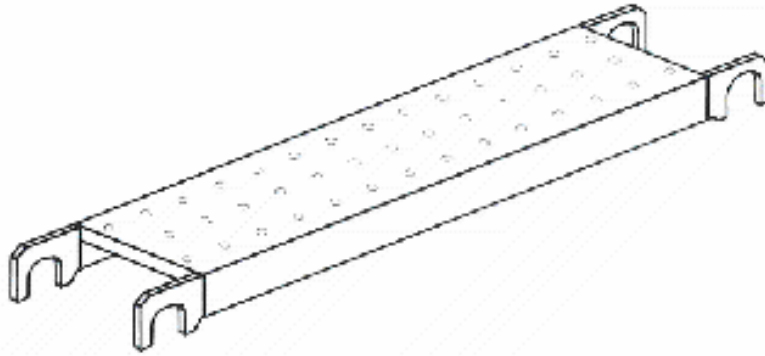
**SAUB
LADDER
BRACKET**

⇒ **Systems Scaffold Stair Unit and Stair Tread**



Stair unit maximum load rating is 100psf.

⇒ **Systems Scaffold Plank Loading Charts – Perforated Plank ONLY**

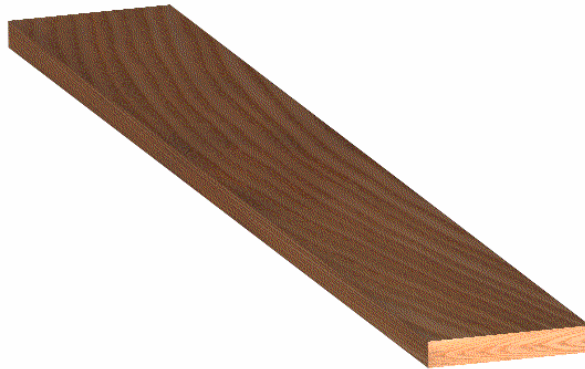


(Based on 4:1 Safety Factor)

Part Number	Effective Length (Ft – in)	Max Center Load (Pounds)	Uniform Load (Lbs./Foot)	Uniform Load (Lbs./Square Foot)	WEIGHT (LBS)
SSP-2	2'	770	472	630	N/A
SSP-3	3-0	770	472	630	14
SSP-42	3-6	625	386	515	16
SSP-45	3-9	580	360	480	17
SSP-4	4-0	550	311	415	18
SSP-54	4-6	495	255	340	20
SSP-5	5-0	450	213	285	22
SSP-6	6-0	380	150	200	26
SSP-7	7-0	325	105	140	30
SSP-8	8-0	290	82	110	34
SSP-9	9-0	260	60	80	38
SSP-10	10-0	250	49	65	42

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

⇒ **Systems Scaffold Wood Plank**

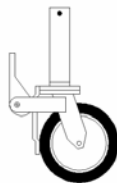
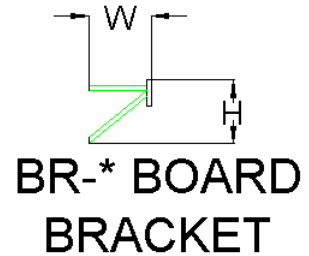
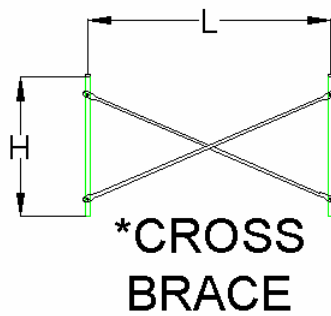
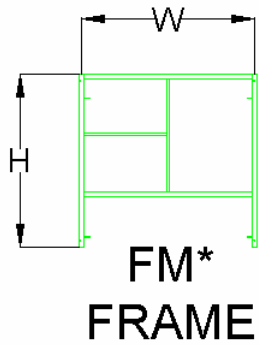
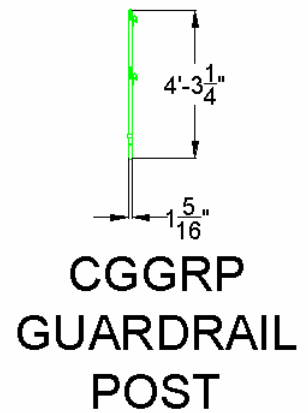
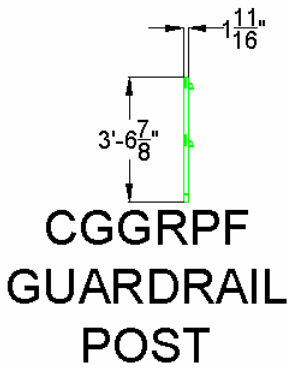
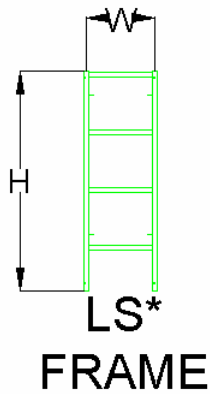
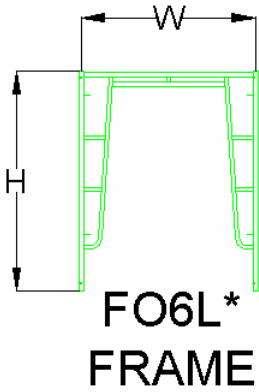


MAXIMUM ALLOWABLE SPAN (ft)

	25 psf	50 psf	75 psf
SOLID SAWN * (per OSHA)	10 ft	8 ft	6 ft
LVL LAM *	10 ft	10 ft	9 ft
(per Trus Joist MacMillan)			
* DRY USE CONDITIONS			

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*

⇒ **Frame Scaffold Components**



8" CASTER - C8R

*- Multiple widths and heights available. Check with Brand engineering for availability.

C8R CASTER LOAD RATING: 600lbs

Frame Capacity:

FRAME NUMBER	NUMBER OF TIERS	ALLOWABLE LOAD/LEG (LBS)
FM3 & FM4	1 Tier	4000 lbs.
FM3 & FM4	2 Tier	3300 lbs.
FM3 & FM4	3 Tier	3200 lbs.
FM5	1 Tier	3650 lbs.
FM5	2 Tier	3000 lbs.
FM5	3 Tier	2900 lbs.
FM5	4 Tier	2560 lbs.
FM6	1 Tier	2200 lbs.
FM6	2 Tier	2000 lbs.
FM6	3 Tier	1850 lbs.
FM6	4 Tier	1600 lbs.
FO6L	1 Tier	3100 lbs.
FO6L	2 Tier	2750 lbs.
FO6L	3 Tier	2400 lbs.
FO6L	4 Tier	2150 lbs.

**Chart is provided as reference only. Seek professional engineering guidance when designing scaffolds.*