

This product list includes all parts necessary for most applications, along with the corresponding dimensions. For parts required for a special application of Imperial, please refer to our MEVA pricelist.

Contents

Alignment rails.....	67
Articulated flange nut 20/140	68
Articulated foot plate	73
Bulkhead bracket	72
Corner bracket.....	67
Double-jointed foot plate	76
EA-assembly lock	66
Flange nut 100.....	68
Flange screw 18/28	66
Formwork-prop connector	73
Foundation tape.....	77
Guard-railing post.....	71
ML-articulated inside corner	64
ML-articulated outside corner.....	64
ML-column clamp.....	68
ML-crane hook	70
ML-filler	65
ML-inside corner elastic	62
ML-inside corner rigid.....	62
ML-multi-purpose panel	61
ML-outside corner.....	63
ML-panels	54 - 60
ML-tensioning screw	69
Plug D 27/36.....	77
Push-pull prop R 160	74
Push-pull prop R 250	74
Push-pull prop R 460	75
Push-pull prop R 630	75
Shoe plate 23.....	76
Side railing.....	72
Taper tie.....	69
Tensioner for foundation tape.....	76
Threadbar 5/8" (15mm)	69
Tie claw 23	70
Uni-assembly lock 22.....	66
Walkway bracket.....	71

ML-panels

All panels available are listed on the right. For description and dimensions refer to the following pages.

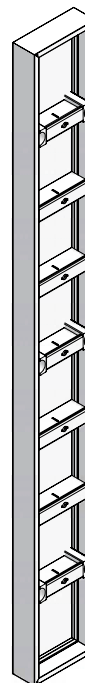
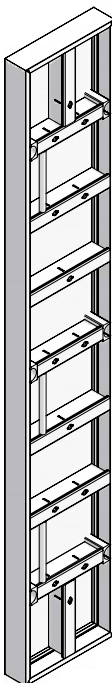
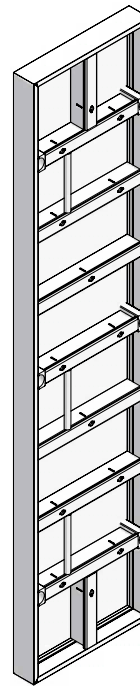
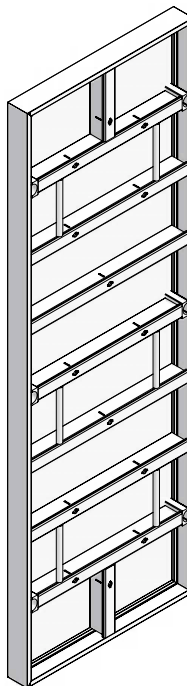
Panel height 9'

For panel height 9': 7 cross stiffeners, of which 7 are multi- function profiles with welded DW-threaded nuts. 3 symmetrically arranged tie holes per panel height.

Attention

Unused tie holes need to be closed with plugs D 27/30.

Ref.-No.	Description / Application	sq. ft.	lb
22-500-20	ML-panel 9' x 3'	27.0	136.2
22-500-30	ML-panel 9' x 2'	18.0	96.6
22-500-40	ML-panel 9' x 1'-6"	13.5	79.6
22-500-50	ML-panel 9' x 1'	9.0	57.5
22-500-60	ML-panel 9' x 0'-6"	4.5	38.1



ML-panels

Panel height 9'

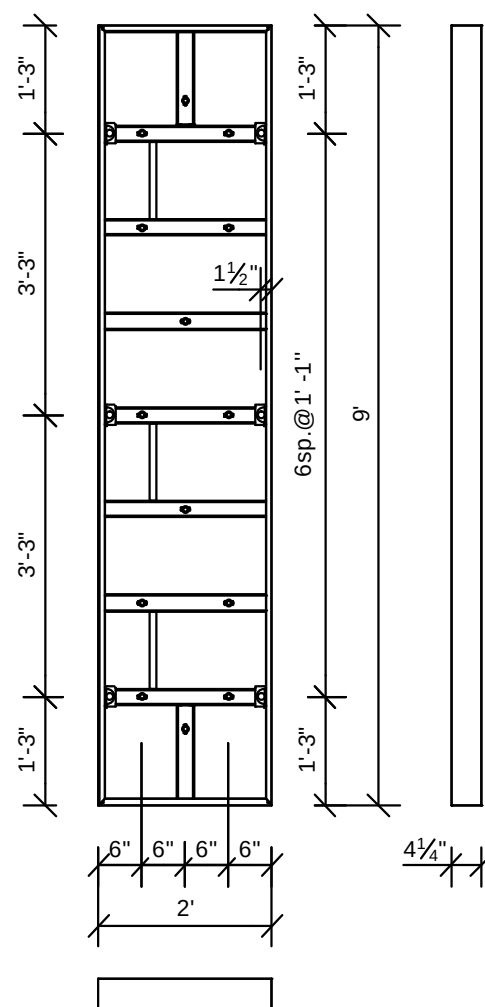
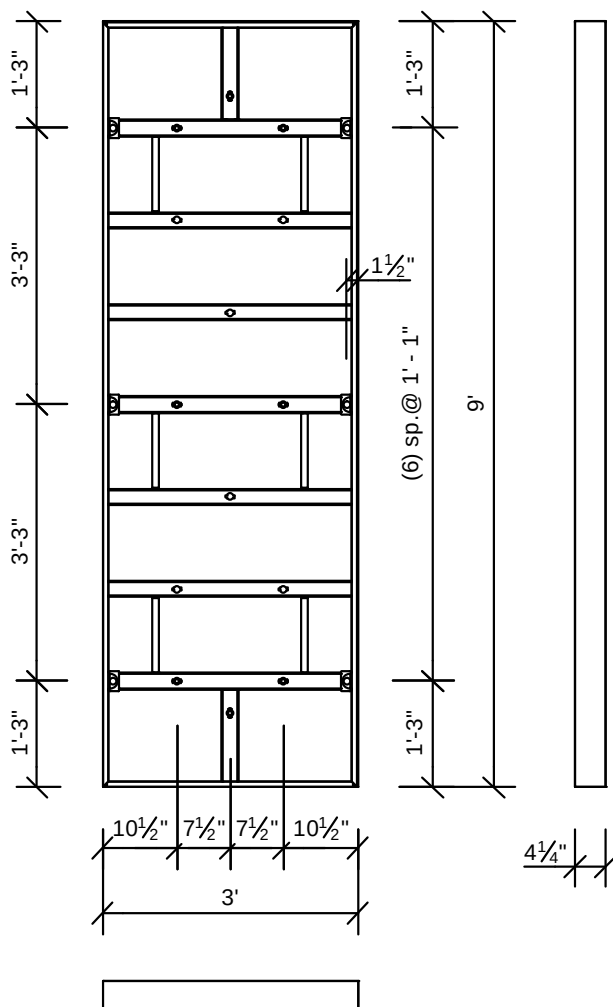
For panel height 9': 7 cross stiffeners, of which 7 are multi-function profiles with welded DW-threaded nuts.

3 symmetrically arranged tie holes per panel height.

Attention

Unused tie holes need to be closed with plugs D 27/30.

Ref.-No.	Description / Application	sq. ft.	lb
22-500-20	ML-panel 9' x 3'	27.0	136.2
22-500-30	ML-panel 9' x 2'	18.0	96.6



ML-panels

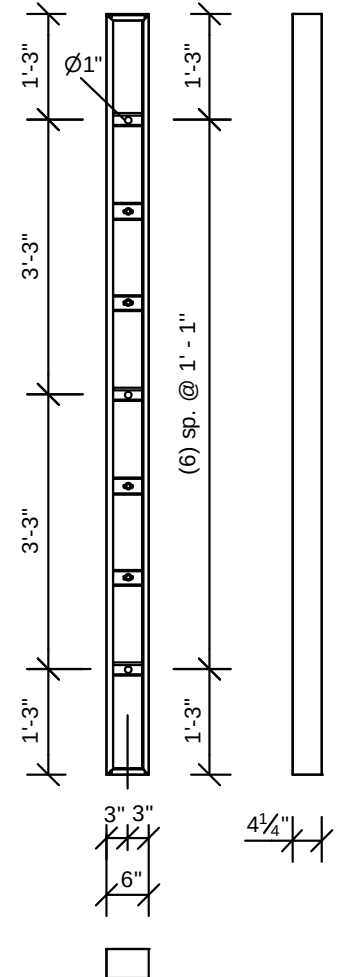
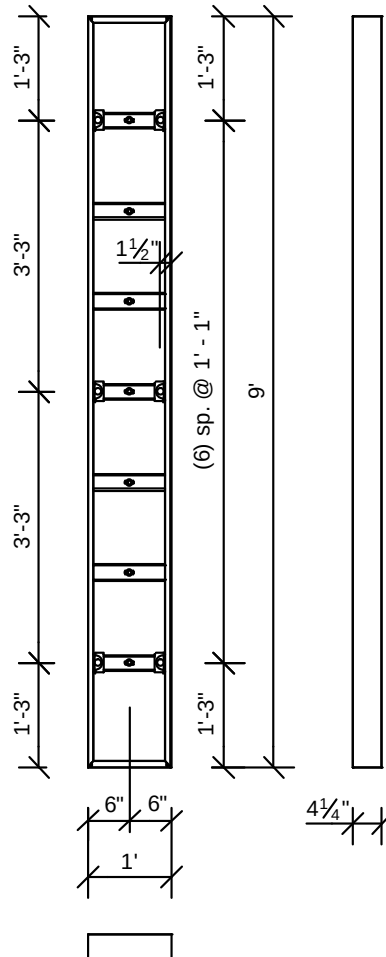
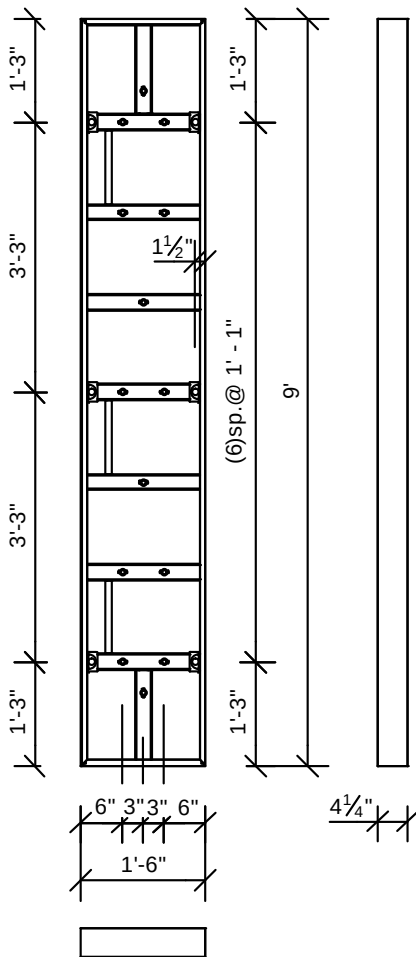
Panel height 9'

For panel height 9': 7 cross stiffeners, of which 7 are multi-function profiles with welded DW-threaded nuts. 3 symmetrically arranged tie holes per panel height.

Attention

Unused tie holes need to be closed with plugs D 27/30.

Ref.-No.	Description / Application	sq. ft.	lb
22-500-40	ML-panel 9' x 1'-6"	13.5	79.6
22-500-50	ML-panel 9' x 1'	9.0	57.5
22-500-60	ML-panel 9' x 0'-6"	4.5	38.1



ML-panels

Panel height 6'

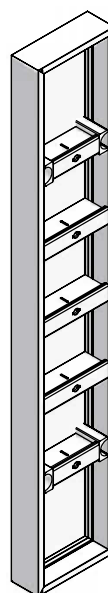
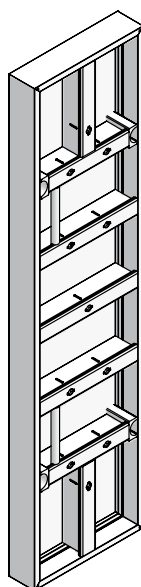
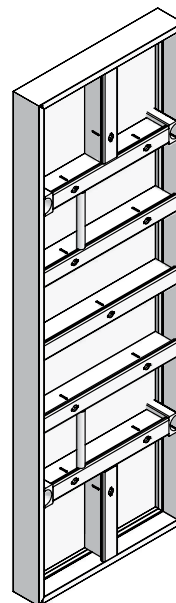
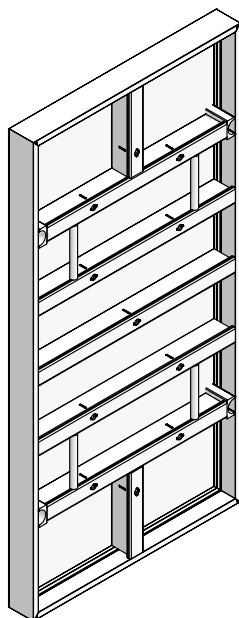
For panel height 6': 5 cross stiffeners, of which 5 are multi- function profiles with welded DW-threaded nuts.

2 symmetrically arranged tie holes per panel height.

Attention

Unused tie holes need to be closed with plugs D 27/30.

Ref.-No.	Description / Application	sq. ft.	lb
22-501-20	ML-panel 6' x 3'	18.0	85.8
22-501-30	ML-panel 6' x 2'	12.0	67.0
22-501-40	ML-panel 6' x 1'-6"	9.0	55.6
22-501-50	ML-panel 6' x 1'	6.0	39.5
22-501-60	ML-panel 6' x 0'-6"	3.0	26.0



ML-panels

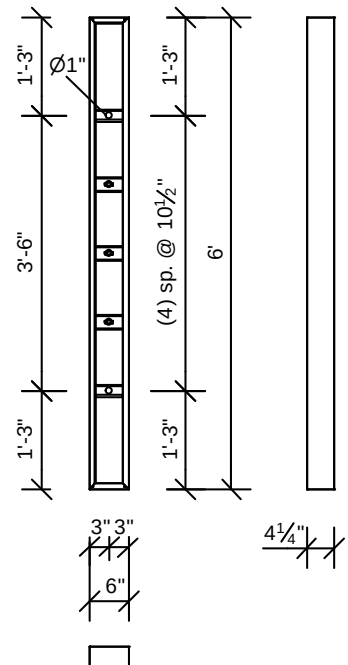
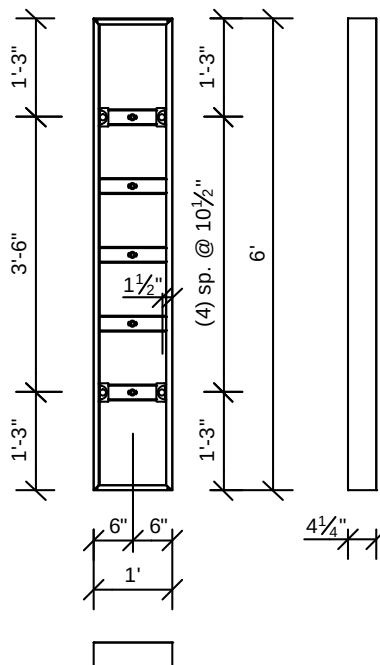
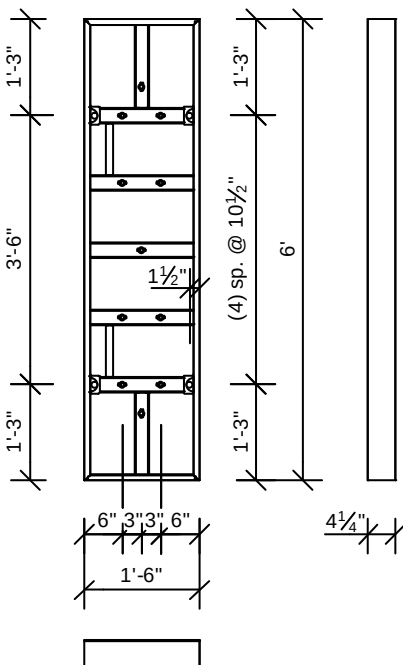
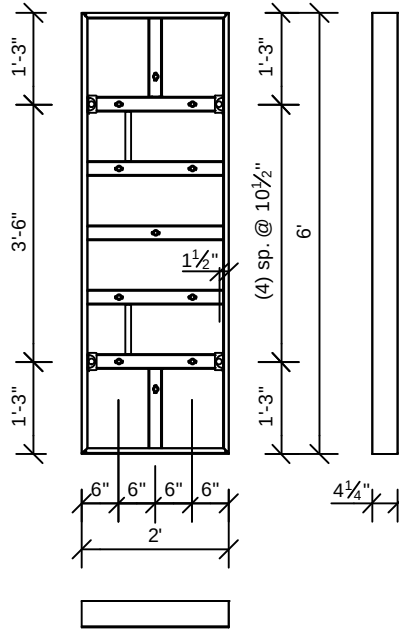
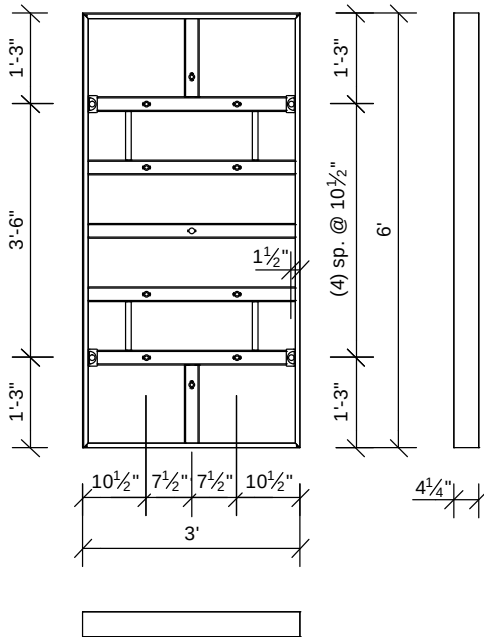
Panel height 6'

For panel height 6': 5 cross stiffeners, of which 5 are multi-function profiles with welded DW-threaded nuts. 2 symmetrically arranged tie holes per panel height.

Attention

Unused tie holes need to be closed with plugs D 27/30.

Ref.-No.	Description / Application	sq. ft.	lb
22-501-20	ML-panel 6' x 3'	18.0	85.8
22-501-30	ML-panel 6' x 2'	12.0	67.0
22-501-40	ML-panel 6' x 1'-6"	9.0	55.6
22-501-50	ML-panel 6' x 1'	6.0	39.5
22-501-60	ML-panel 6' x 0'-6"	3.0	26.0



ML-panels

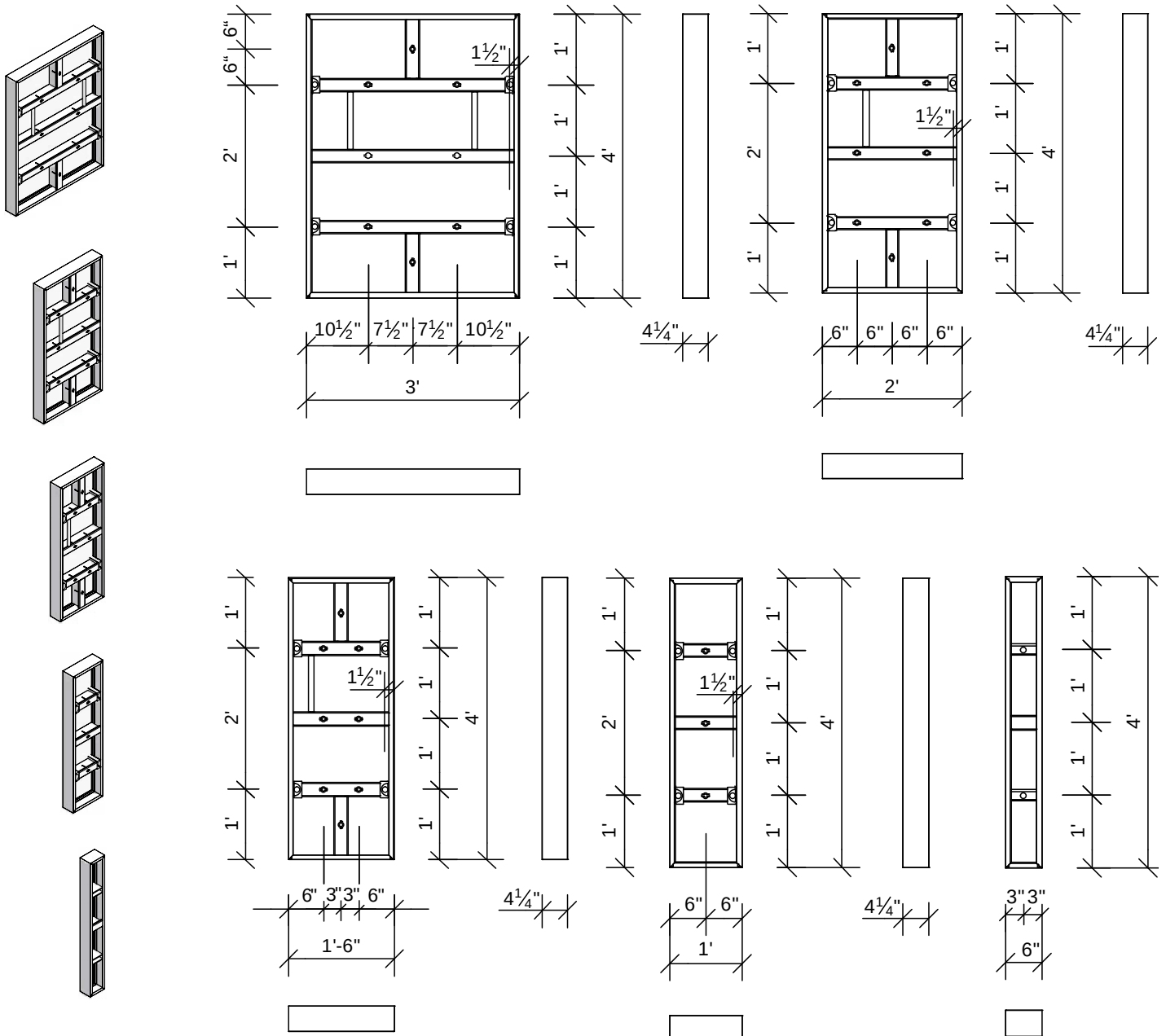
Panel height 4'

For panel height 4': 3 cross stiffeners, of which 3 are multi-function profiles with welded DW-threaded nuts. The only exception is the 6" wide panel, which has no multi-function profile. 2 symmetrically arranged tie holes per panel height.

Attention

Unused tie holes need to be closed with plugs D 27/30.

Ref.-No.	Description / Application	sq. ft.	lb
22-502-20	ML-panel 4' x 3'	12.0	62.8
22-502-30	ML-panel 4' x 2'	8.0	46.5
22-502-40	ML-panel 4' x 1'-6"	6.0	38.6
22-502-50	ML-panel 4' x 1'	4.0	27.3
22-502-60	ML-panel 4' x 0'-6"	2.0	17.4



ML-panels

Panel height 3'

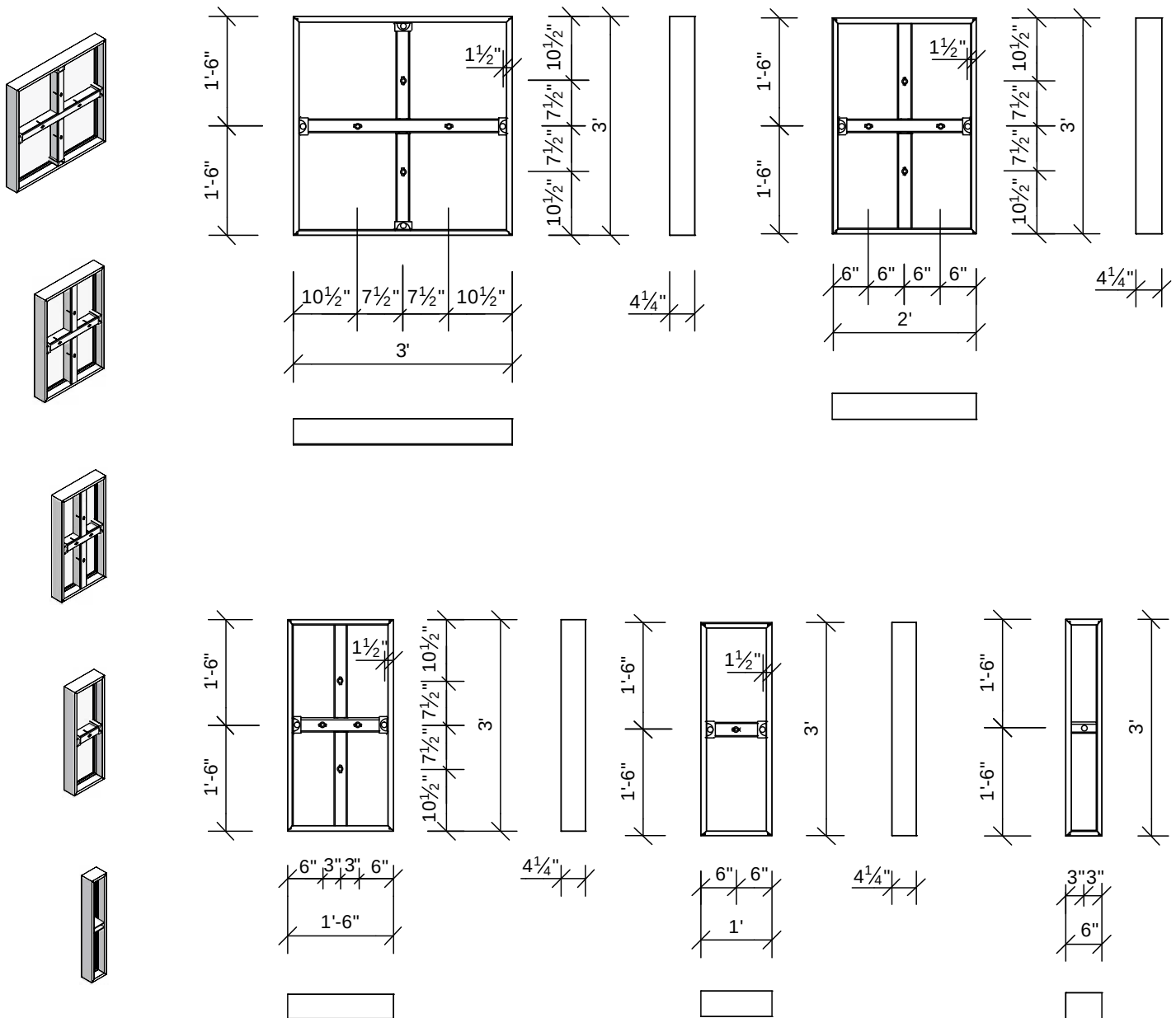
For panel height 3': 1 cross stiffener, of which 1 is a multi-function profile with welded DW-threaded nuts. The only exception is the 6" wide panel, which has no multi-function profile.

1 symmetrically arranged tie hole per panel height.

Attention

Unused tie holes need to be closed with plugs D 27/30.

Ref.-No.	Description / Application	sq. ft.	lb
22-503-20	ML-panel 3' x 3'	9.0	47.6
22-503-30	ML-panel 3' x 2'	6.0	34.2
22-503-40	ML-panel 3' x 1'-6"	4.5	28.2
22-503-50	ML-panel 3' x 1'	3.0	19.0
22-503-60	ML-panel 3' x 0'-6"	1.5	12.3



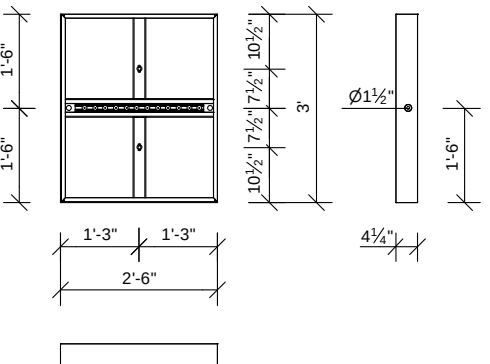
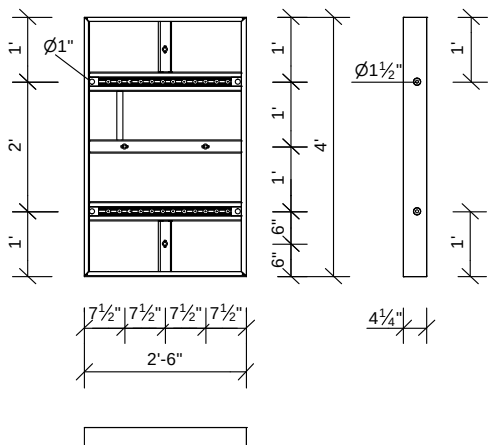
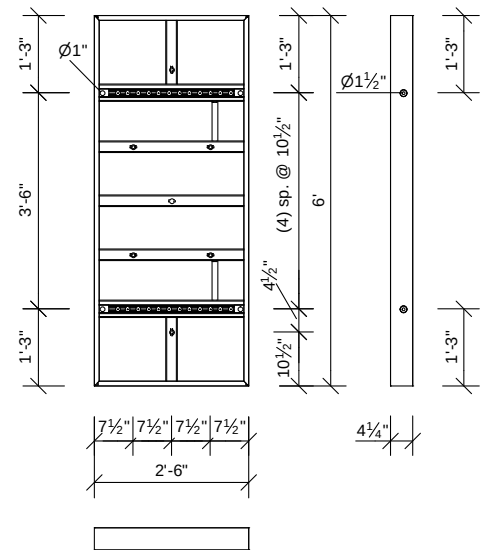
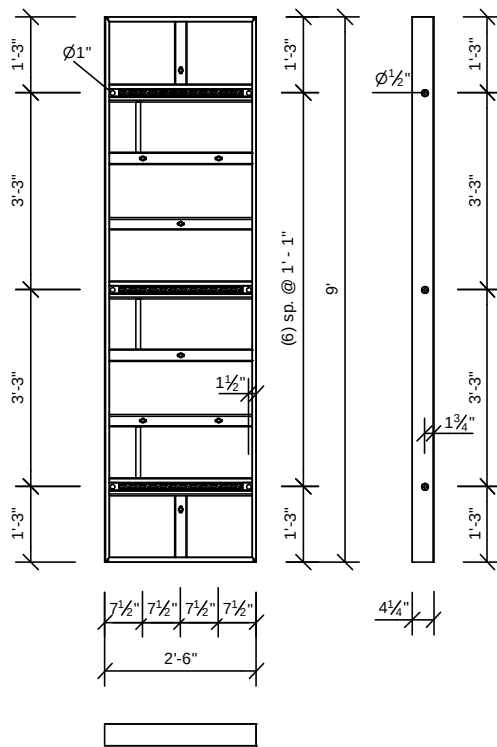
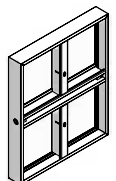
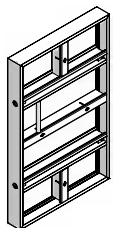
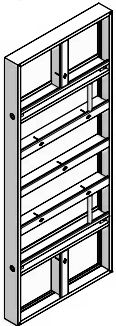
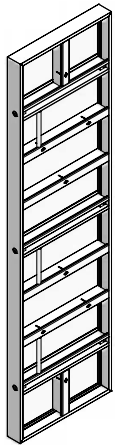
ML-multi-purpose panel

The multi-purpose panel can be used to form pilasters, corners, columns, bridge abutments and connections to existing walls. The panels have multi-adjustment profiles for mounting column clamps or ties.

The multi-purpose panel can be used as a standard 2'-6" panel as the tie holes are not yet drilled. However, the panel comes with pilot holes predrilled on the backside of the panel for exact position of selected tie holes. For drilling this hole a 1" size bit is required.

Another possibility to connect two multi-purpose panels with each other is to use the ML-tensioning screw.

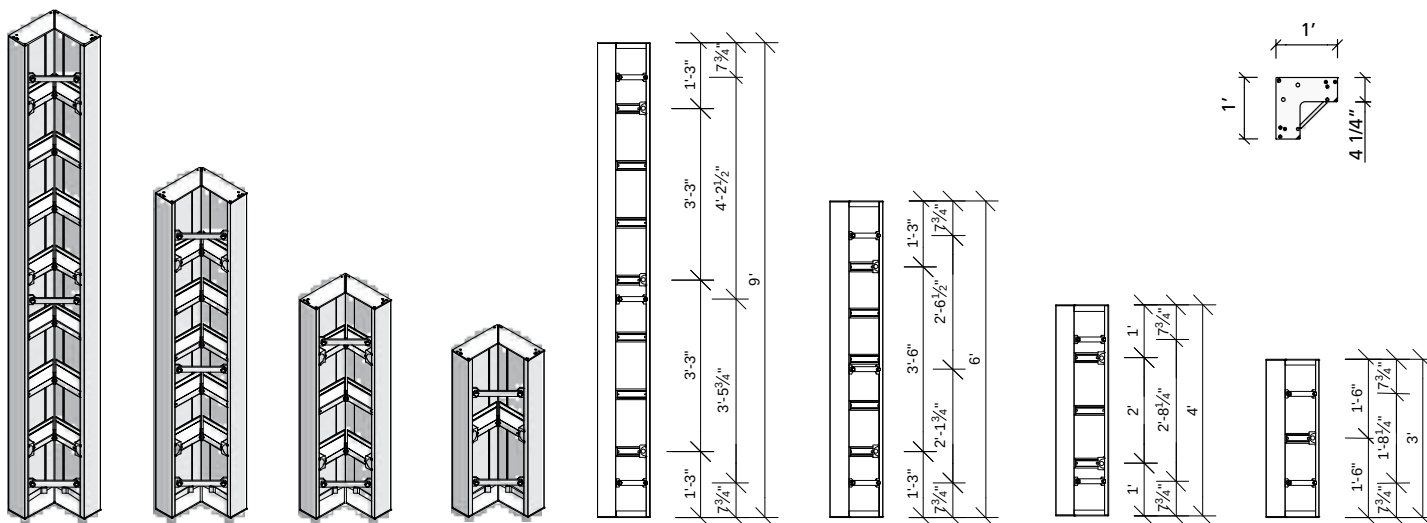
Ref.-No.	Description / Application	sq. ft.	lb
22-500-25	ML-multi-purpose panel.... 9' x 2'-6"	22.5	128.3
22-501-25	ML-multi-purpose panel.... 6' x 2'-6"	15.0	90.4
22-502-25	ML-multi-purpose panel.... 4' x 2'-6"	10.0	62.0
22-503-25	ML-multi-purpose panel.... 3' x 2'-6"	7.5	43.2



ML-inside corner elastic

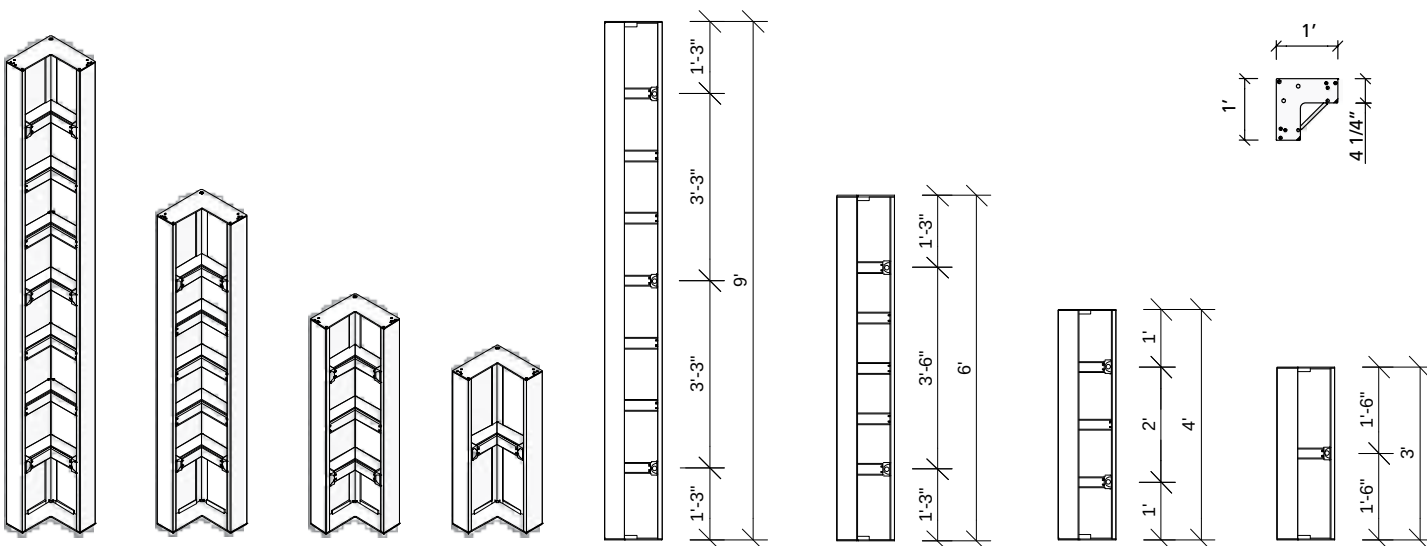
consists of an aluminum frame and a replaceable alkus-sheet with tie hole; for 90° angles.

Ref.-No.	Description / Application	sq. ft.	lb
22-505-60	ML-inside corner elastic..... 9' x 1'	18	91.5
22-505-70	ML-inside corner elastic..... 6' x 1'	12	64.2
22-505-80	ML-inside corner elastic..... 4' x 1'	8	44.1
22-505-90	ML-inside corner elastic..... 3' x 1'	6	33.1


ML-inside corner rigid

consists of an aluminum frame and a replaceable alkus-sheet with tie hole; for 90° angles.

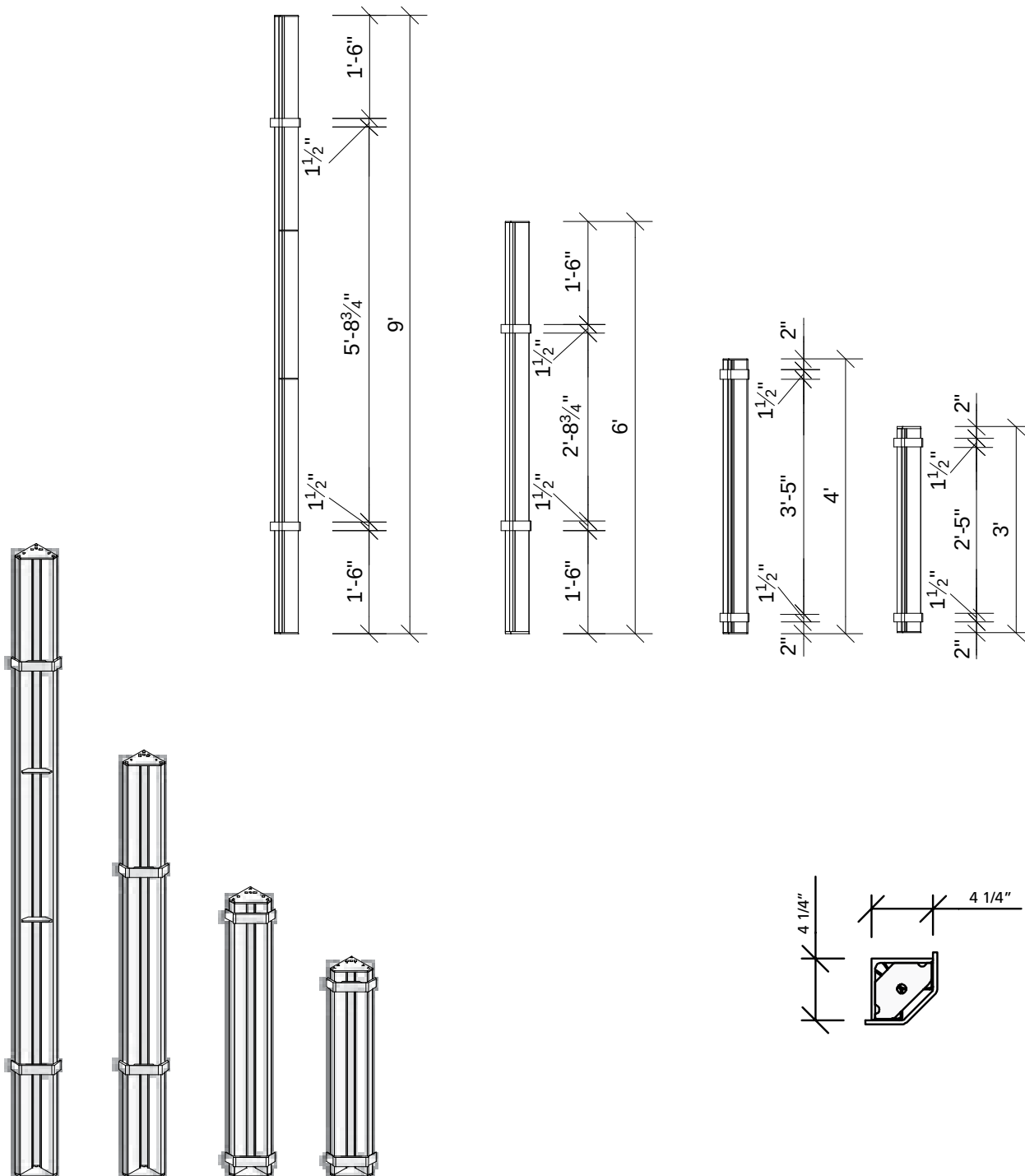
Ref.-No.	Description / Application	sq. ft.	lb
22-505-55	ML-inside corner rigid 9' x 1'	18	80.0
22-505-65	ML-inside corner rigid 6' x 1'	12	56.0
22-505-75	ML-inside corner rigid 4' x 1'	8	37.5
22-505-85	ML-inside corner rigid 3' x 1'	6	33.1



ML-outside corner

aluminum, together with MevaLite-panels and EA-assembly locks it provides a solid outside corner assembly for 90° angles with high resistance to tensile force.

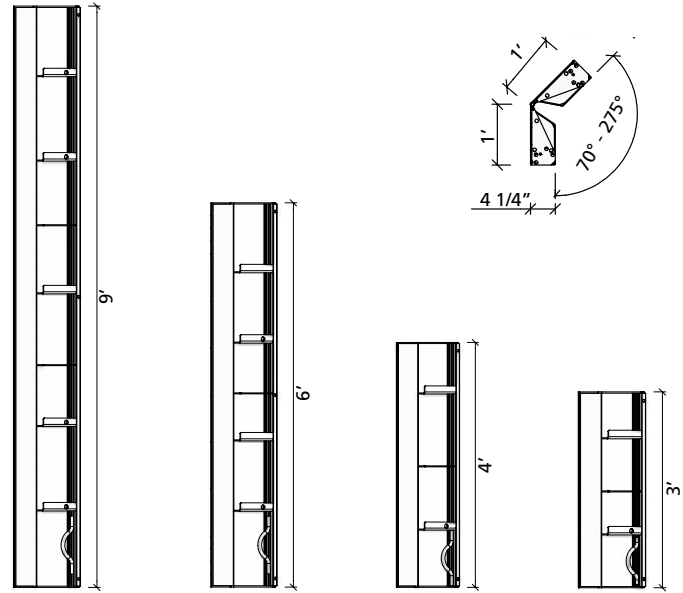
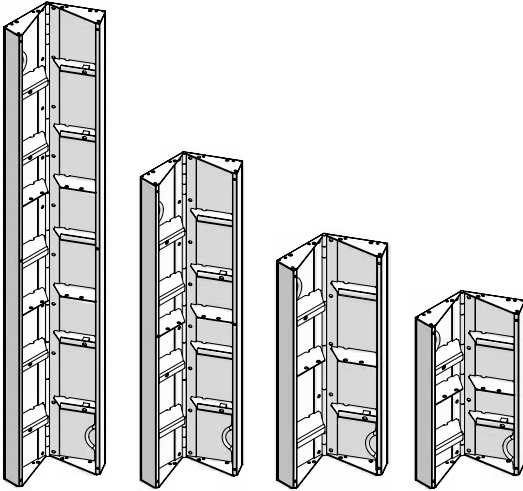
Ref.-No.	Description / Application	lb
23-306-00	ML-outside corner..... 9'	20.5
23-306-10	ML-outside corner..... 6'	13.7
23-306-20	ML-outside corner..... 4'	9.5
23-306-25	ML-outside corner..... 3'	7.5



ML-articulated inside corner

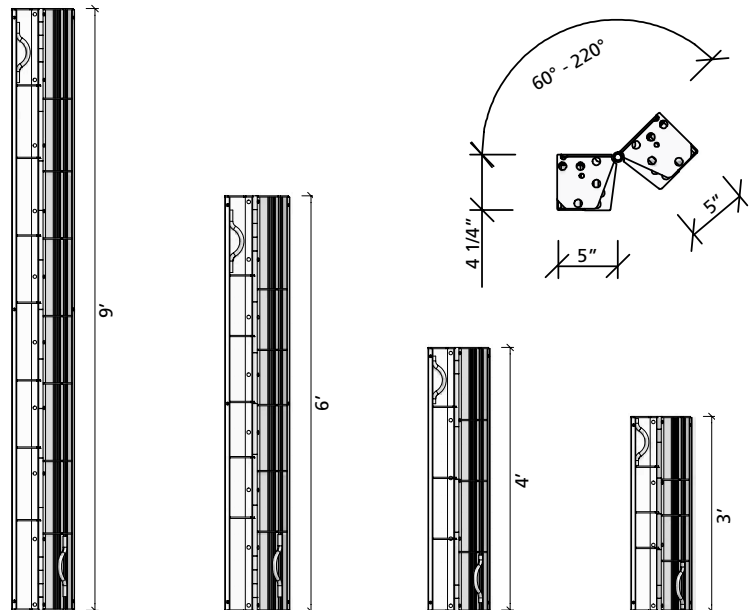
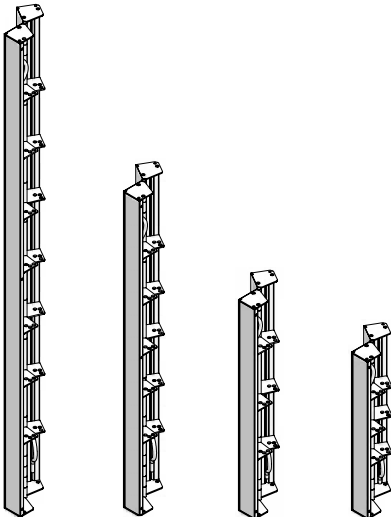
steel; side length = 1'; adjustable from 70° to 275°; stop points at 70°, 90° and 135°; plugs D 27/30 (Ref.-No. 29-902-64) are used to close the tie holes.

Ref.-No.	Description / Application	sq. ft.	lb
22-506-10	ML-articulated inside corner 9'	18	192.5
22-506-20	ML-articulated inside corner 6'	12	132.7
22-506-30	ML-articulated inside corner 4'	8	89.5
22-506-40	ML-articulated inside corner 3'	6	72.5

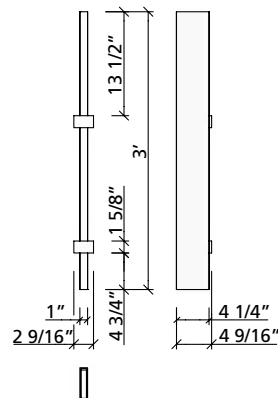
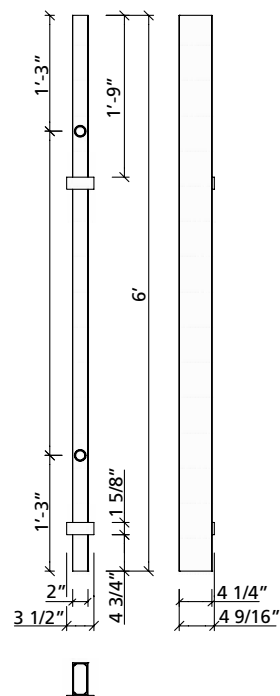
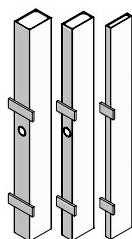

ML-articulated outside corner

steel, side length = 5"; stop points at 90°, 120° and 135°; adjustable from 60° to 220°; plugs D 27/30 (Ref.-No. 29-902-64) are used to close the tie holes.

Ref.-No.	Description / Application	sq. ft.	lb
22-506-60	ML-articulated outside corner 9'	7.5	111.8
22-506-70	ML-articulated outside corner 6'	5.0	77.6
22-506-80	ML-articulated outside corner 4'	3.3	52.9
22-506-90	ML-articulated outside corner 3'	2.5	43.0



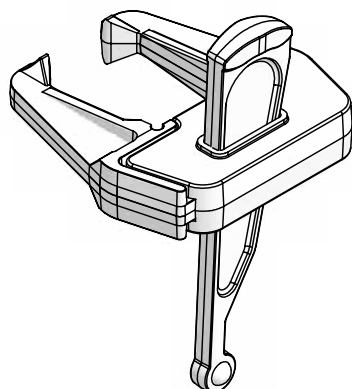
for length adjustments of 1" to 3".



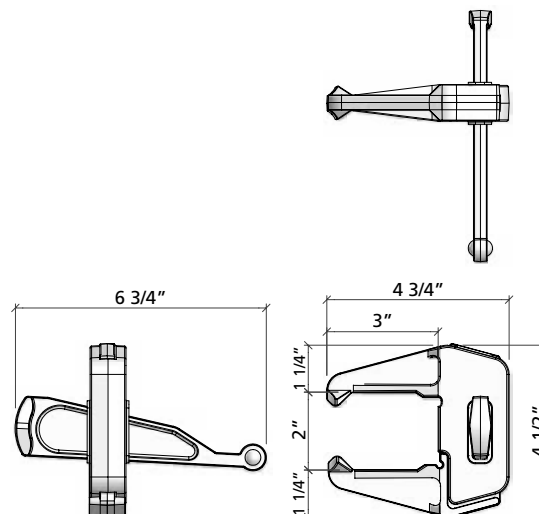
Ref.-No.	Description / Application	sq. ft.	lb
22-507-10	ML-filler 9' x 3"	2.3	22.7
22-507-15	ML-filler 9' x 2"	1.5	16.5
22-507-20	ML-filler 9' x 1"	0.8	13.0
22-507-40	ML-filler 6' x 3"	1.5	15.2
22-507-45	ML-filler 6' x 2"	1.0	11.0
22-507-50	ML-filler 6' x 1"	0.5	8.6
22-507-70	ML-filler 4' x 3"	1.0	10.4
22-507-75	ML-filler 4' x 2"	0.7	7.7
22-507-80	ML-filler 4' x 1"	0.3	6.0
22-507-85	ML-filler 3' x 3"	0.8	7.9
22-507-90	ML-filler 3' x 2"	0.8	5.7
22-507-95	ML-filler 3' x 1"	0.3	4.4

EA-assembly lock

galvanized; to tightly connect and align ML-panels; clamping length: 2"

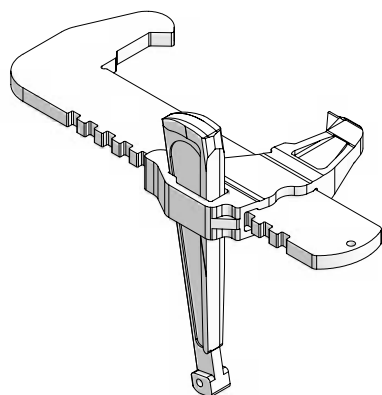


Ref.-No.	Description / Application	lb
29-205-50	EA-assembly lock	3.3

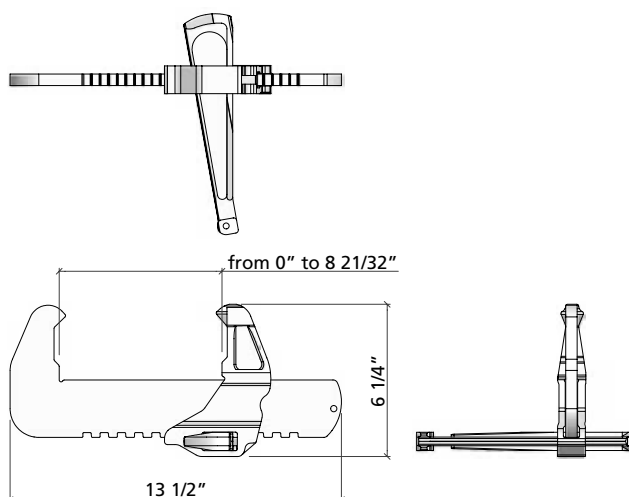


Uni-assembly lock 22

galvanized; for connecting panels with fillers;
clamping length = 11", spans fillers up to 6.5".

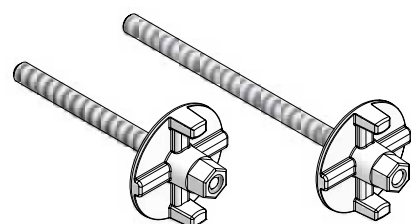


Ref.-No.	Description / Application	lb
29-400-85	Uni-assembly lock 22	7.9

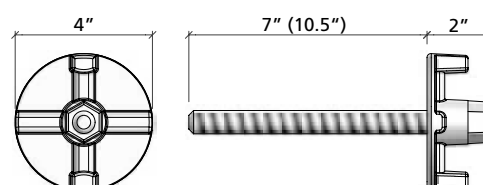


Flange screw 18/28

galvanized; to attach steel rails, scaffolding brackets and formwork-prop connectors etc.; length of thread: 7" for flange screw 18 and 10.5" for flange screw 28.

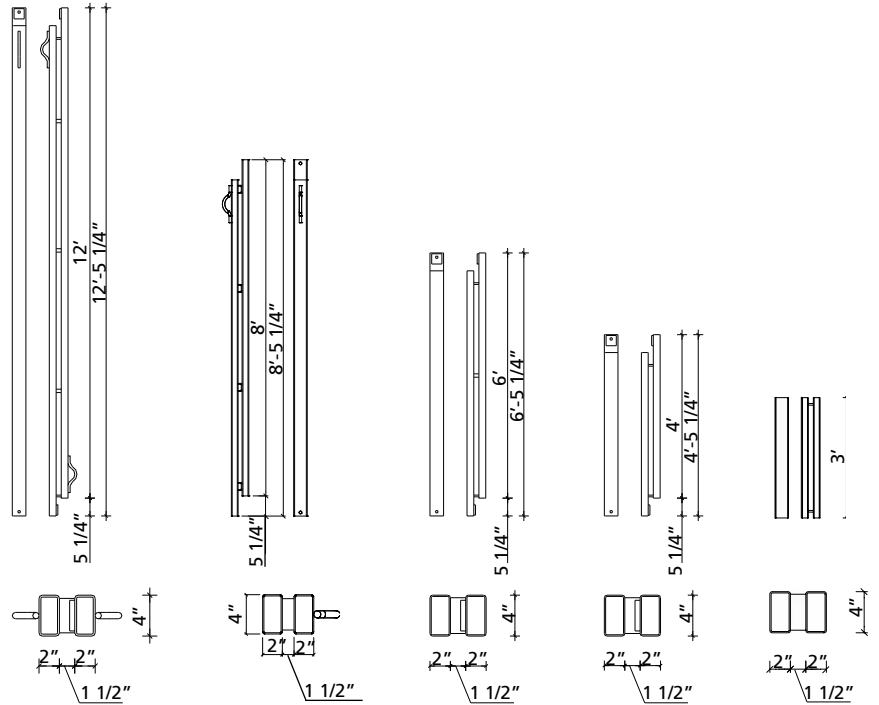
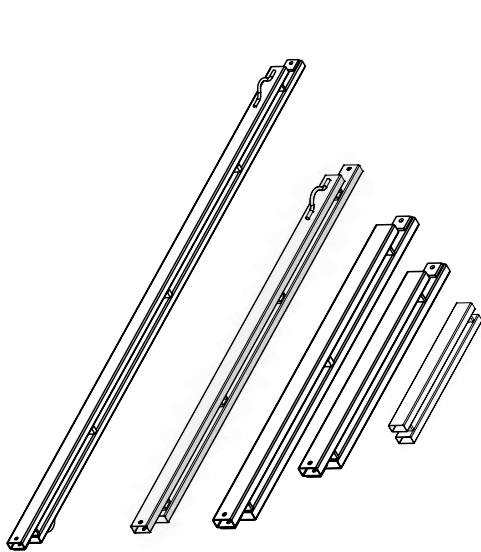


Ref.-No.	Description / Application	lb
29-401-10	Flange screw 18	2.4
29-401-12	Flange screw 28	2.6



Alignment rails

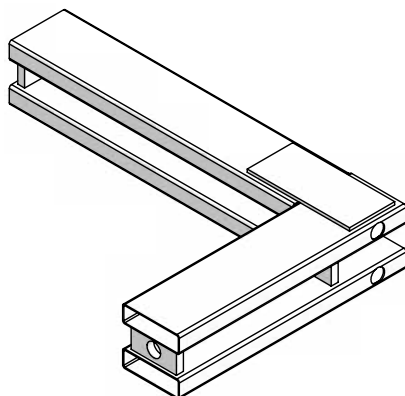
galvanized; to brace panel joints for gang forming, to support fillers and to build bulkheads. Is attached to formwork with flange screws.



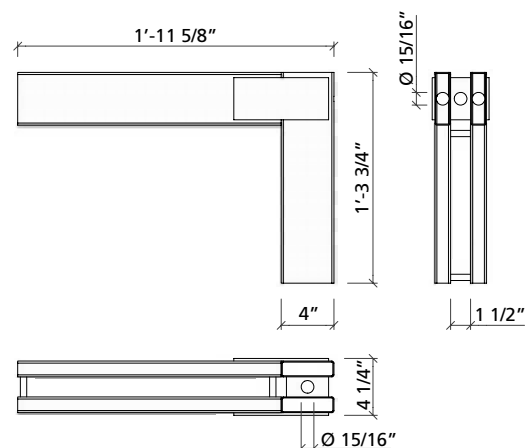
Ref.-No.	Description / Application	ft.	lb
2-500-2331040	Steel rail	12'	155.0
2-500-2331035	Steel rail	8'	80.0
2-500-2331030	Steel rail	6'	61.0
2-500-2331020	Steel rail	4'	44.0
2-500-2331020	Steel rail	3'	29.0

Corner bracket

galvanized; to reinforce corner applications.

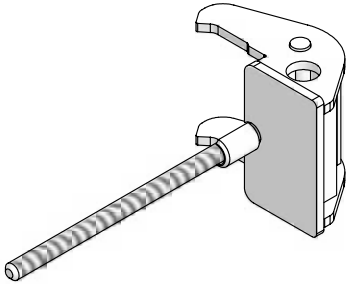


Ref.-No.	Description / Application	lb
29-402-25	Corner bracket 40/60	20.9



ML-column clamp

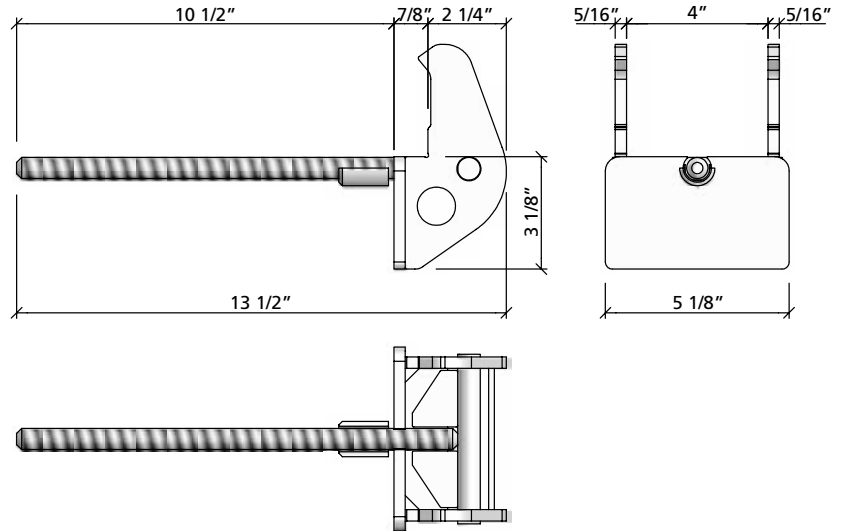
galvanized, permits connection of panels at an angle of 90°. To form columns with ML-multi-purpose panels; needs one flange nut 100 or articulated flange nut 15/120.



Ref.-No. Description / Application

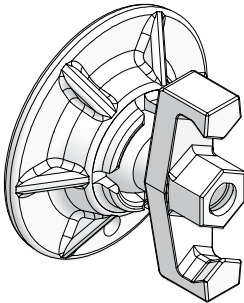
lb

29-210-70 ML-column clamp 5.3



Articulated flange nut 15/120

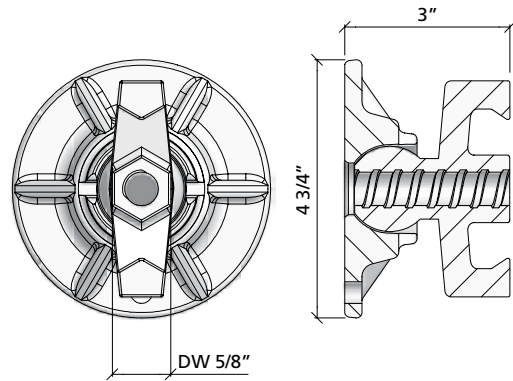
forged part with cut thread, ball-and-socket joint; max. inclination 10°; for threadbars with 5/8" (15 mm); plate diameter: 4 3/4"; admissible load-bearing capacity: 21,900 lbs.



Ref.-No. Description / Application

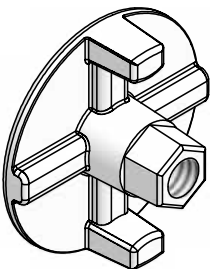
lb

29-900-10 Articulated flange nut 15/120 4.0



Flange nut 100

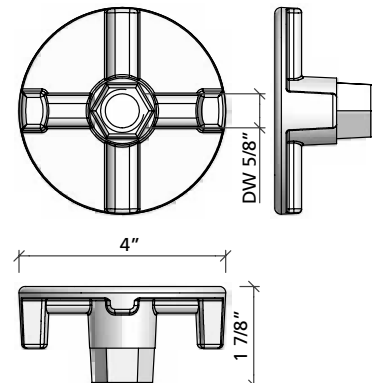
forged part with cut thread; for threadbars with 5/8" (15 mm); plate diameter: 4"; admissible load-bearing capacity: 21,900 lbs.



Ref.-No. Description / Application

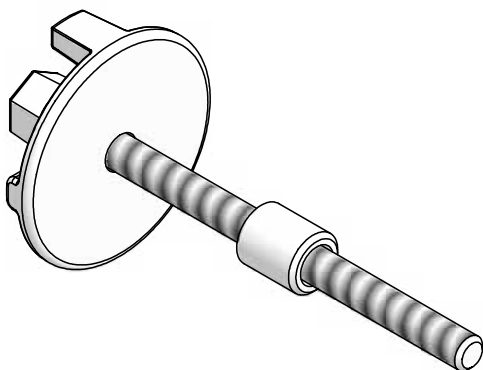
lb

29-900-20 Flange nut 100 1.5

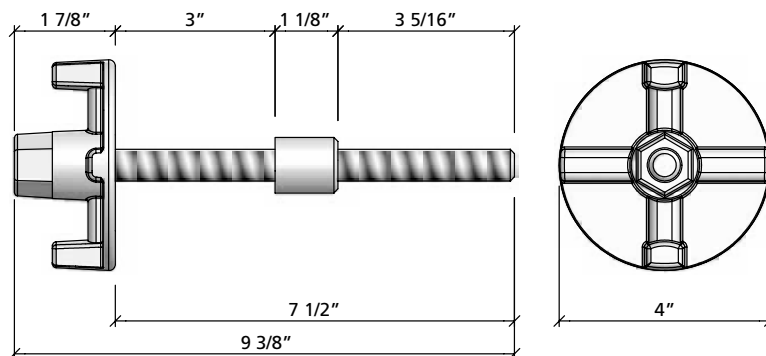


ML-tensioning screw

to connect two ML-multi-purpose panels at an angle of 90° with each other

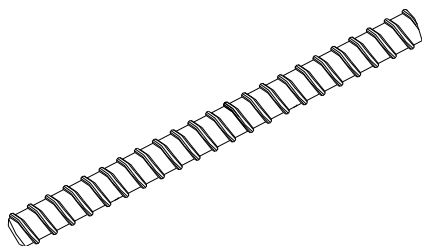


Ref.-No.	Description / Application	lb
29-210-80	ML-tensioning screw	2.60

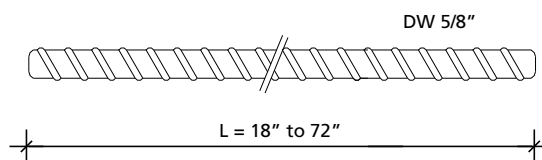


Threadbar 5/8" (15mm)

to tie formwork;
safe working load = 21.9 K @ 2:1 safety factor

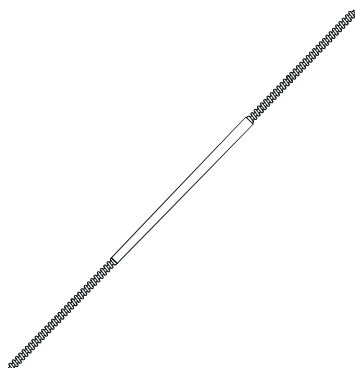


Ref.-No.	Description / Application	lb
2-500-B15F-18	18"	1.50
2-500-B15F-42	42"	3.50
2-500-B15F-54	54"	4.50
2-500-B15F-72	72"	6.50



Taper tie

to tie formwork; 5/8" (15mm) thread diameter,
1" to 3/4" taper diameters;
safe working load = 18.75 K @ 2:1 safety factor

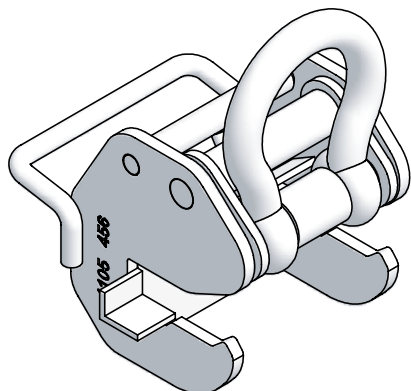


Ref.-No.	Taper Length	Overall Length	lb
2-500-58-16/42	16"	41"	5.10
2-500-58-24/49	24"	49"	6.38
2-500-58-32/57	32"	57"	7.75

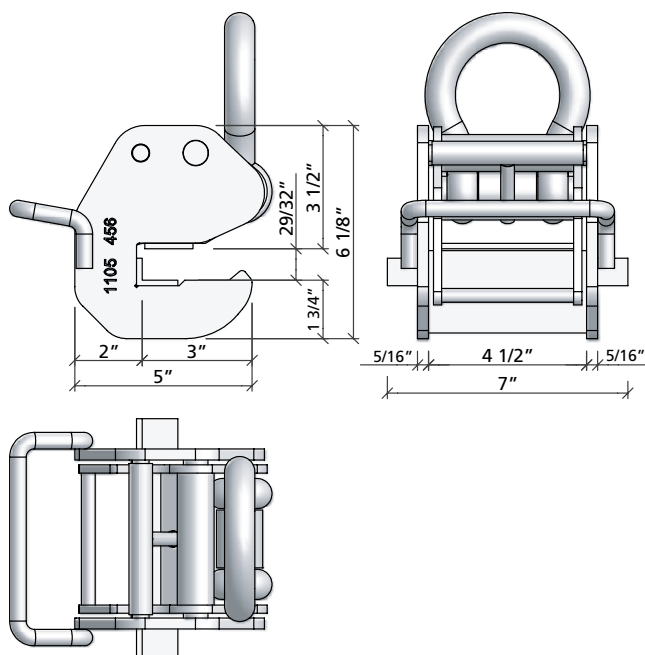


ML-crane hook

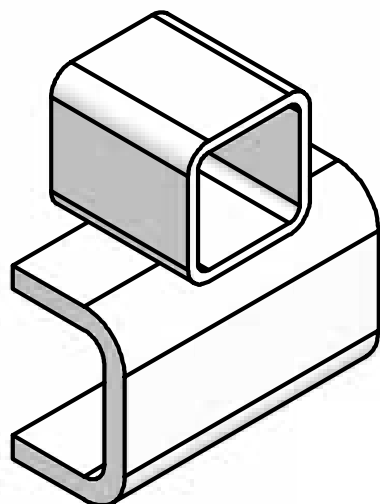
to move panels and lift gangs; self-locking mechanism; admissible load-bearing capacity: 1,300 lbs; for application and safety test – see „Crane Hook“ section.



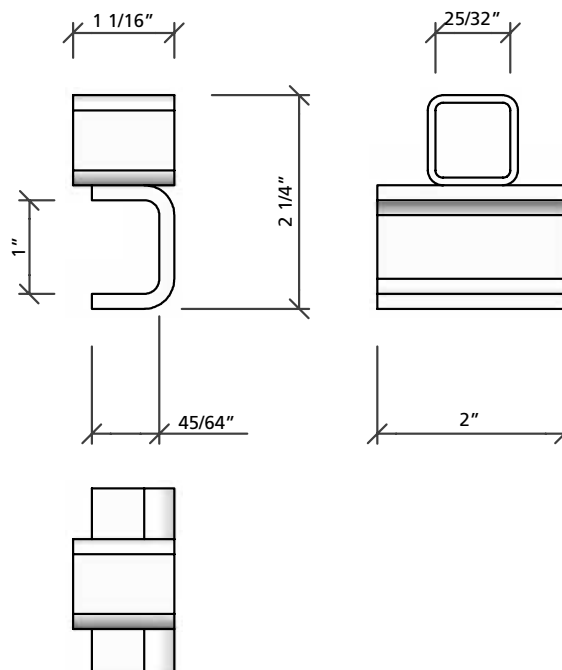
Ref.-No.	Description / Application	lb
29-103-95	ML-crane hook	12.1


Tie claw 23

galvanized; permits tying directly above or beside MevaLite panels.

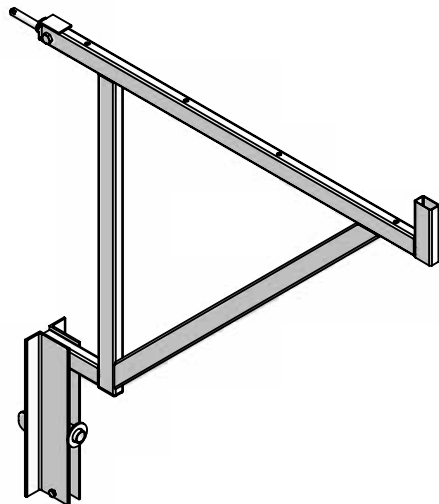


Ref.-No.	Description / Application	lb
29-901-44	Tie claw 23	0.4

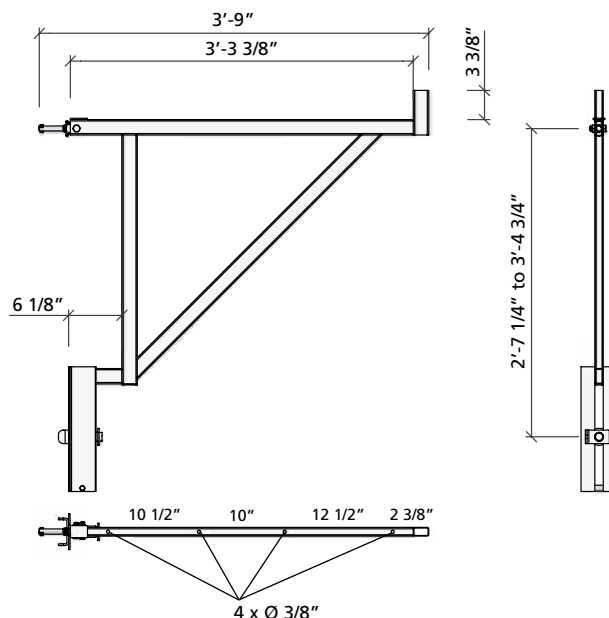


Walkway bracket

galvanized, yellow. Is attached to the multi-function profile and secured to the multi-function profile below by means of a flange screw 18. The planking has to be bolted to the brackets. Working width approx. 3'. Guard-railing post 100 is required in addition.

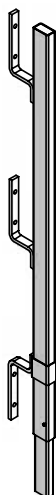


Ref.-No.	Description / Application	lb
29-106-00	 Walkway bracket 90 (3')	22.0

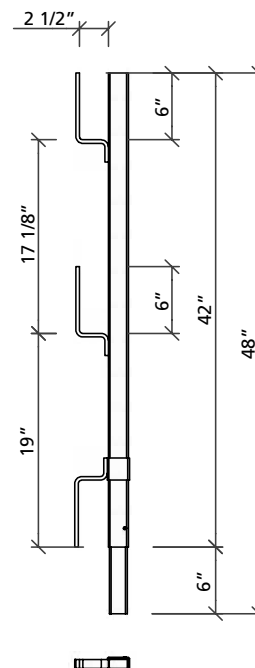


Guard-railing post

galvanized; is attached to the walkway bracket.

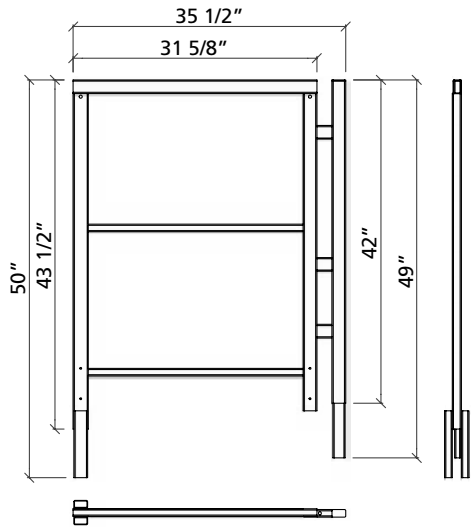
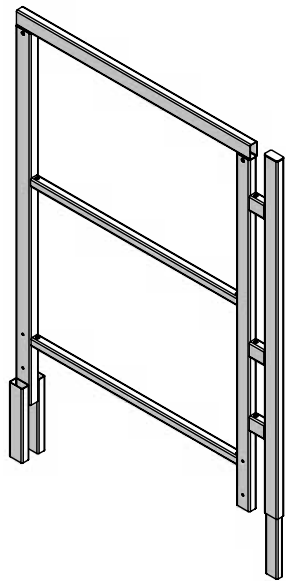


Ref.-No.	Description / Application	lb
29-106-75	 Guard-railing post 100	8.2



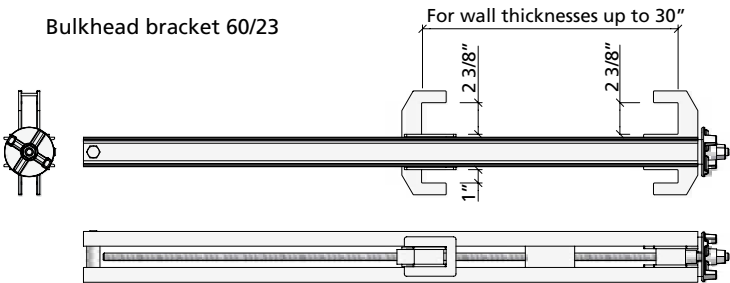
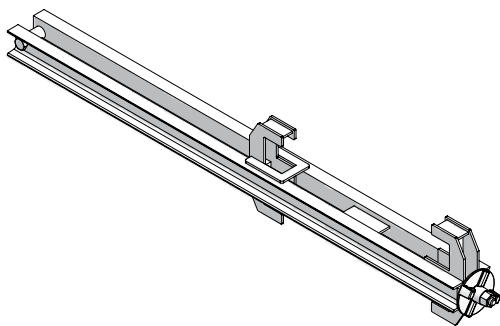
Side railing
galvanized; for walkway brackets.

Ref.-No.	Description / Application	lb
29-108-20	Side railing 90/100.....	27.1



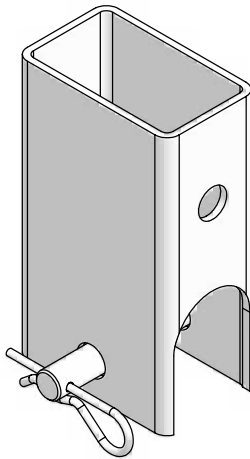
Bulkhead bracket
galvanized; replaces the tie rod or taper tie.
Bulkhead bracket 60/23: suited for modular panels with a profile width of 7/8" (MevaLite) and 2 3/8" (Imperial).

Ref.-No.	Description / Application	lb
29-105-60	Bulkhead bracket 60/23	44.1

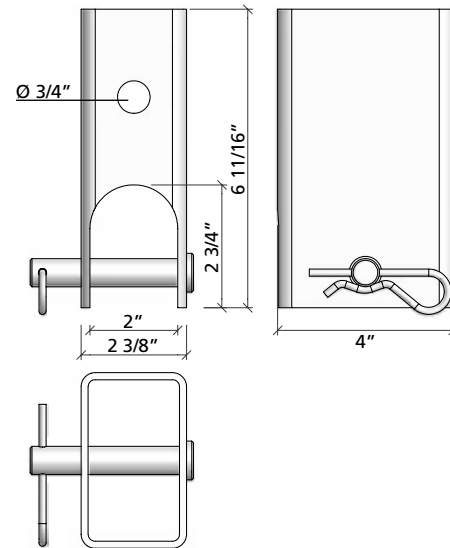


Formwork-prop connector

galvanized; to connect braces, brace frames and push-pull props to the multi-function profile by means of a flange screw 18. Delivery includes head bolt 16/90 and cotter pin 4.

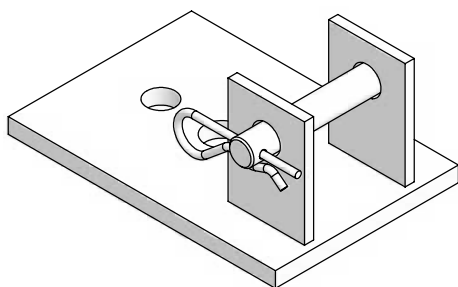


Ref.-No.	Description / Application	lb
29-804-85	Formwork-prop connector	3.6

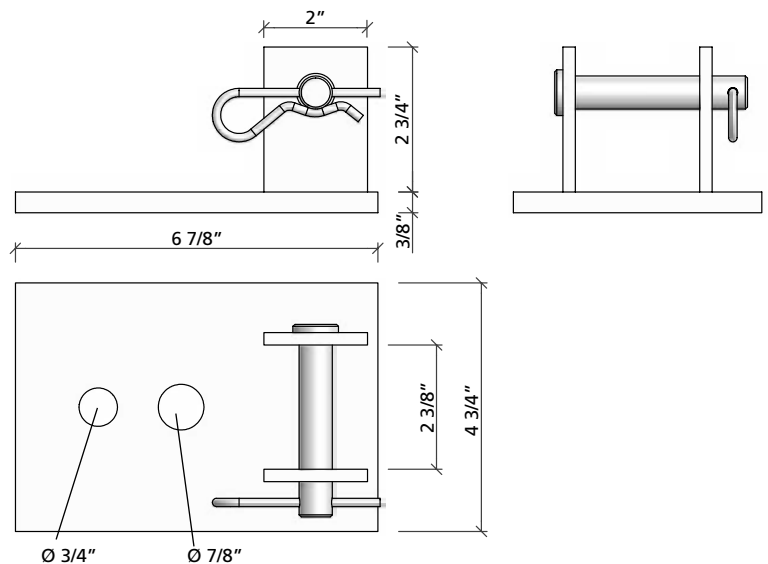


Articulated foot plate

galvanized; to anchor braces with up to 2 1/4" (58 mm) outside diameter, includes M16x90 bolt and cotter pin.



Ref.-No.	Description / Application	lb
29-802-48	Articulated foot plate	5.1



Push-pull prop R 160

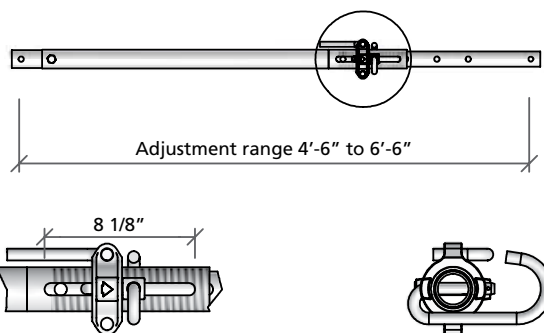
galvanized; high tensile and compression strength, for aligning formwork.

Articulated foot plate and formwork-prop connector must be ordered separately.

Adjustment range: 4'-6" to 6'-6".



Ref.-No.	Description / Application	lb
29-109-40	Push-pull prop R 160	24.3

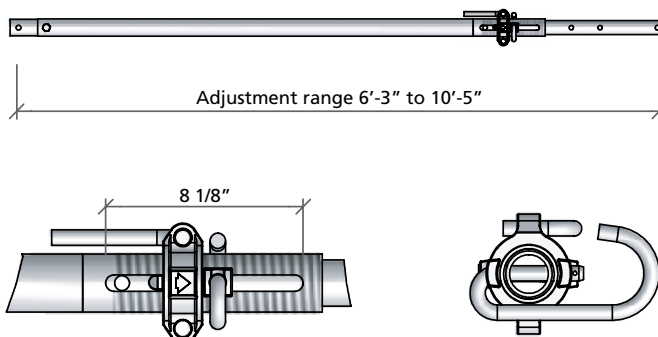

Push-pull prop R 250

galvanized; high tensile and compression strength, for aligning formwork. Articulated foot plate and formwork-prop connector must be ordered separately.

Adjustment range: 6'-3" to 10'-5".



Ref.-No.	Description / Application	lb
29-109-60	Push-pull prop R 250	40.8

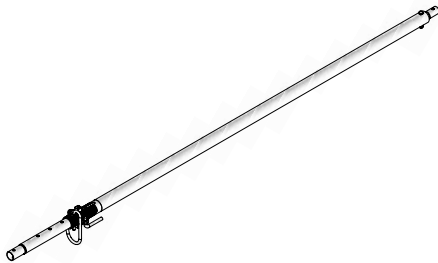


Push-pull prop R 460

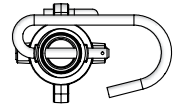
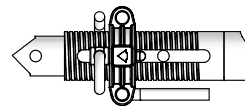
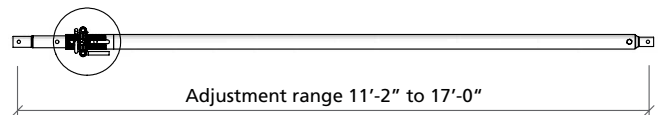
galvanized; high tensile and compression strength, for aligning formwork.

Articulated foot plate and formwork-prop connector must be ordered separately.

Adjustment range: 11'-2" to 17'-0".



Ref.-No.	Description / Application	lb
29-109-80	 Push-pull prop R 460	78.9



Push-pull prop R 630

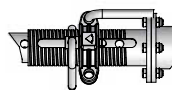
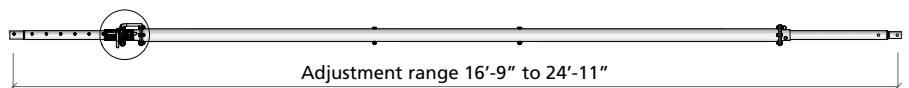
galvanized; high tensile and compression strength, for aligning formwork.

Articulated foot plate and formwork-prop connector must be ordered separately.

Adjustment range: 16'-9" to 24'-11".

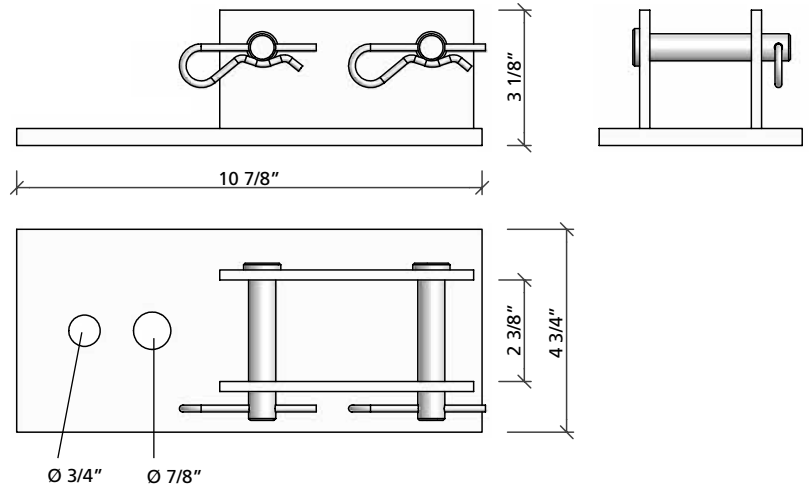
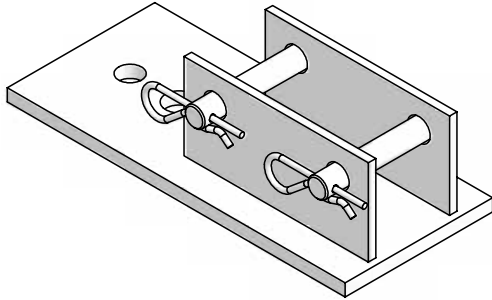


Ref.-No.	Description / Application	lb
29-109-85	 Push-pull prop R 630	149.9



Double-jointed foot plate

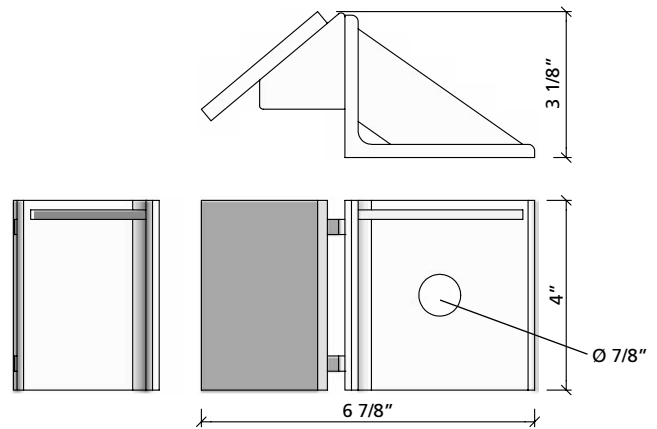
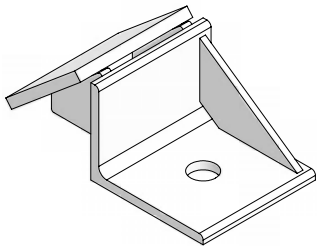
galvanized; to anchor two braces with diameters up to 2 1/4" (58 mm). Includes two M16x90 bolts and cotter pins.



Ref.-No.	Description / Application	lb
29-402-32	 Double-jointed foot plate.....	8.8

Shoe plate 23

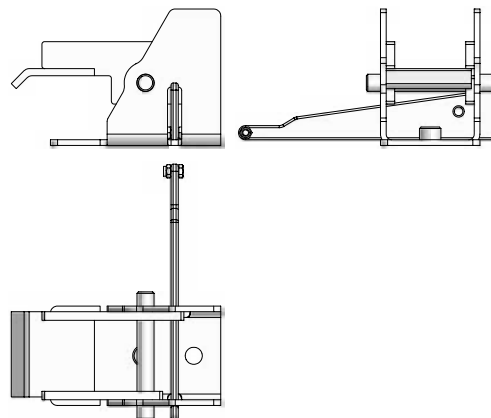
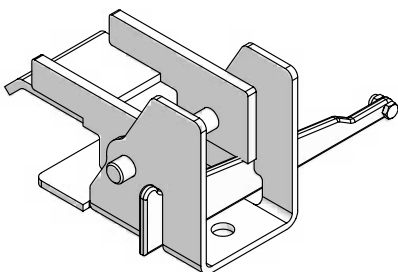
to anchor forms to the supporting structure.



Ref.-No.	Description / Application	lb
29-311-96A	 Shoe plate 23	4.7

Tensioner for foundation tape

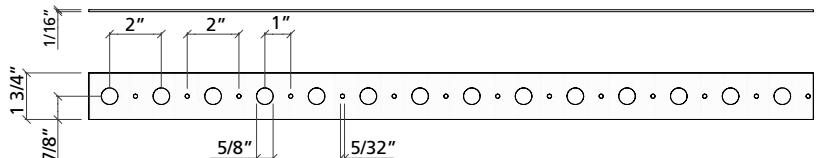
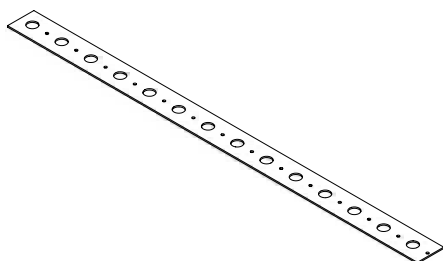
galvanized; to connect the foundation tape to Imperial panels; it serves as bottom tie when panels are assembled in horizontal position. Two (2) foundation spanners are required per tying position.



Ref.-No.	Description / Application	lb
29-307-85	 Tensioner for foundation tape	3.7

Foundation tape

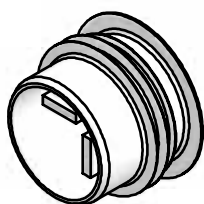
galvanized; hole spacing 2" (50 mm); hole diameter 5/8" (16 mm); length 164' (50 m); adm. tension force 2.2 kips (10.0 KN); to be cut at hole center. Together with foundation spanners it serves as bottom tie when panels are assembled in horizontal position.



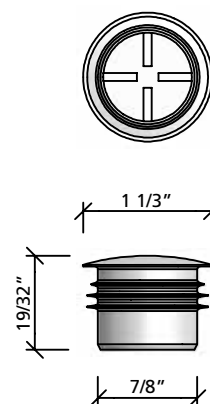
Ref.-No.	Description / Application	lb
29-307-50	 Foundation tape	44.1

Plug D 27/36

For plugging unneeded tie holes.



Ref.-No.	Description / Application	lb
29-902-64	 Plug D 27/30	0.01




USA / Canada

MEVA Formwork Systems, Inc.
2000 Airpark Dr.
Springfield, OH 45502
United States of America
Tel. +1 937 328 0022
Fax +1 937 328 0044
info@mevaformwork.com
www.mevaformwork.com


Headquarters (Germany)

MEVA Schalungs-Systeme GmbH
Industriestrasse 5
D-72221 Haiterbach
Tel. +49 7456 692-01
Fax +49 7456 692-66
info@meva-international.com
www.meva-international.com

Logistic Centers

A-Pfaffsttten, Tel. +43 2252 20900-0
D-Berlin, Tel. +49 3375 9030-0
D-Haiterbach, Tel. +49 7456 692-01
D-Hannover, Tel. +49 511 94993-0
H-Budapest, Tel. +36 1 2722222
UAE-Dubai, Tel. +971 4 3411180
USA-Springfield, Tel. +1 937 3280022

International Sales & Service

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CH-Seon, Tel. + 41 62 7697100
CO-Bogot, Tel. +57 1 5204236
F-Sarreguemines, Tel. +33 387 959938
GB-Tamworth, Tel. +44 1827 60217
H-Budapest, Tel. +36 1 2722222
IND-Mumbai, Tel. +91 22 27563430
MAL-Perak, Tel. +60 12 5209337
N-Oslo, Tel. +47 67 154200
PA-Panama City +507 2372222
SGP-Singapore, Tel. +65 67354459
UAE-Dubai, Tel. +971 4 3411180
USA-Springfield, Tel. +1 937 3280022