Model: NOMO & RIALTO Fabric Roof Bioclimatic Pergola®
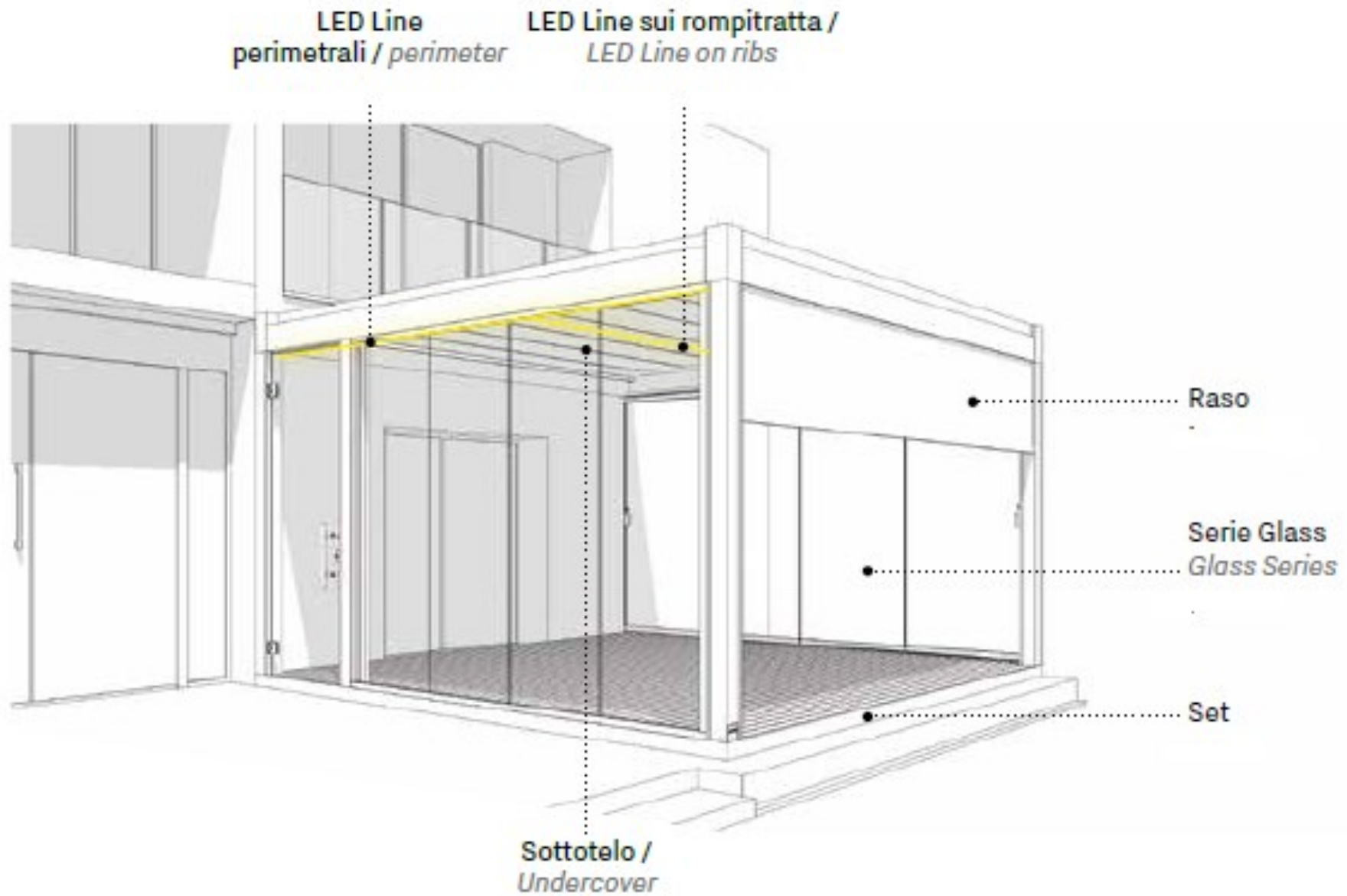

Application	Maximum Width	Maximum Projection	Options
Free Standing or Wall Mounted Commercial & Residential	5.5 m / 18 ft. wide per module	7 m / 22' 11" proj.	Undercover, LEDS, Heaters, Side Screens Set Flooring

PRODUCT FEATURES:

- Retractable fabric roof pergola.
- Ideal for free standing or wall mounted applications or where flat installations are required.
- Integrated gutter and downspouts for water drainage.
- Arched fabric for better water management.
- Multiple modules can be mounted side by side with common posts to create larger width.
- All aluminum frame powder coated
- Motorized all sizes.
- Screens optional on NOMO model only.
- Ideal for adding roll down zipper screens. to create an enclosed space.
- Powered with a Somfy Motor.

SUNAIR®
ARCHITECTURAL STRUCTURES
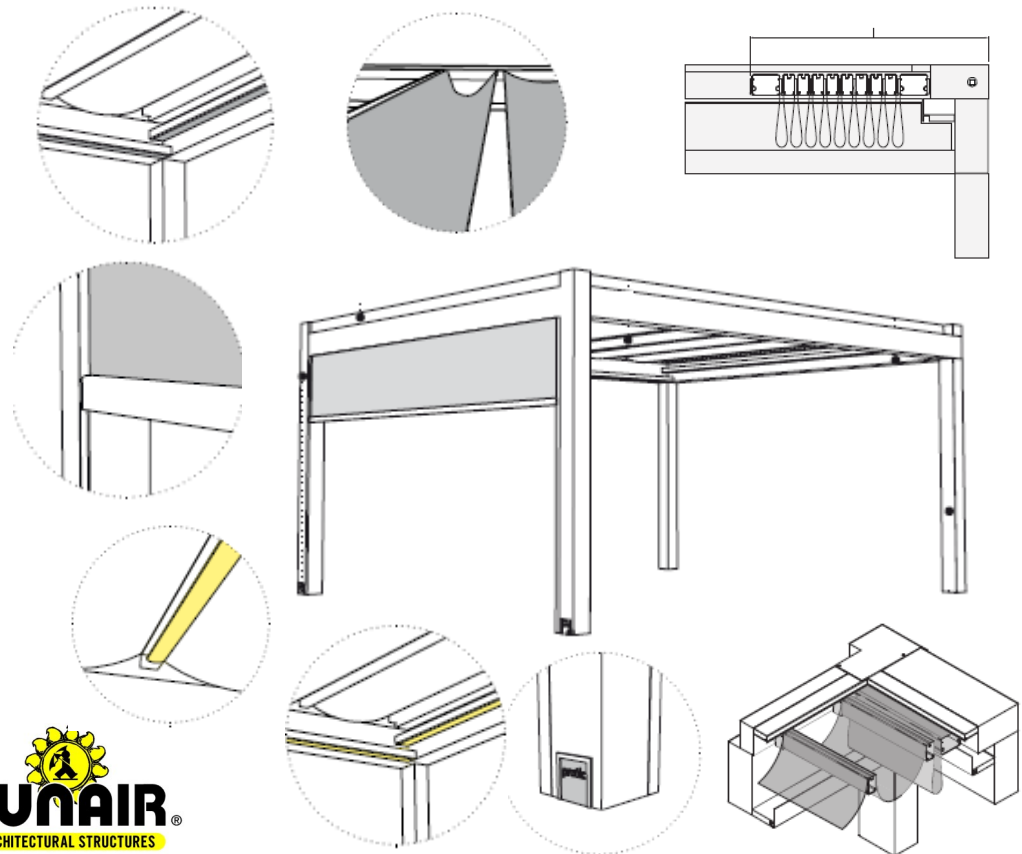
FUNDAMENTALS: NOMO & RIALTO

LED Line perimetrali / perimeter

LED Line sui rompitratta / LED Line on ribs

Raso

Serie Glass / Glass Series

Set

Sottotelo / Undercover

NOMO & RIALTO: Commercial Installations

NOMO & RIALTO: Residential Installations

NOMO & RIALTO ADVANTAGES

The rounded arched fabric allows for a compact structure design. The supporting profile and guides are 12 ½" high (32 cm).

Tilting gutter is a Pratic patent managing water discharge within the structure. Optional telescoping post feet are available for ease of installation.

For greater perimeter protection, the NOMO model can be configured with retractable RASO zipper screens within the structural elements.

The NOMO & RIALTO offers more pre-assembled structure components for a safer an easier installation on site.

The NOMO & RIALTO RGB LED multi colored lighting offers a fascinating elegant remote controlled lighting option (White lights included).
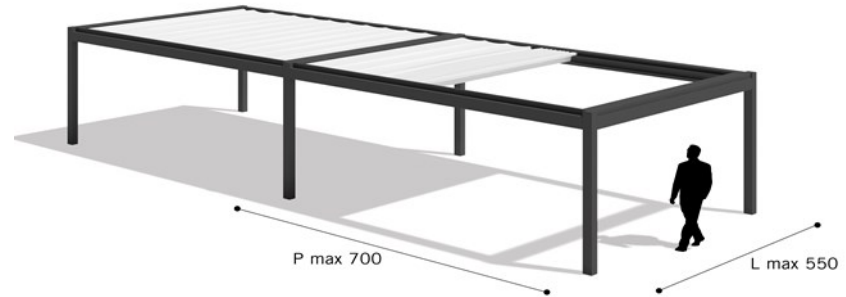
NOMO & RIALTO is a solid made to measure structure that can reach large sizes (18' x 22' 11"). Coupling of multiple structures is possible with minimal intermediate posts.
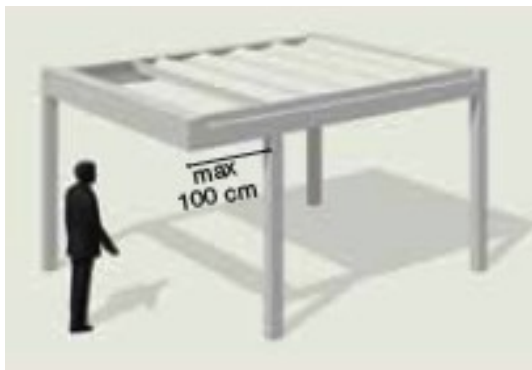
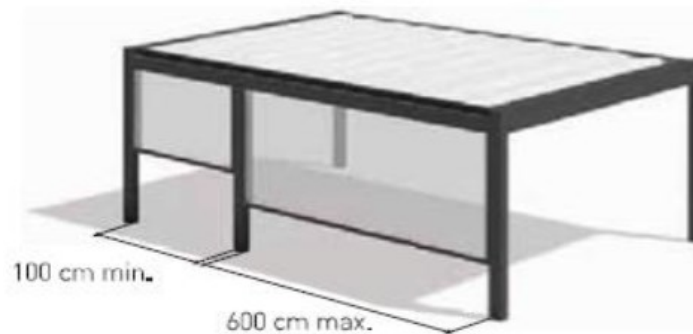# NOMO & RIALTO: Some possible model configurations

More configurations

P max 700

L max 550

L max 550

P max 700

RASO SCREENS NOMO ONLY

max 100 cm

Cantilevered post maximum 100 cm or 39" from corner.

100 cm min.

600 cm max.

Out of standard configurations

Inquire with Sunair® office on any system that pairs modules on both the (L) width side and (P) projection side simultaneously at the same time.

Rialto unit mounted wall to wall. Available with Rialto single module only. Max size in this configuration is 5.5 meters x 7 meters projection (approx.: 18' w x 22' 11" proj.) Please inquire with Sunair on exact size available. NOTE: Customer has to add their own discharge water tray and down spout for water management.
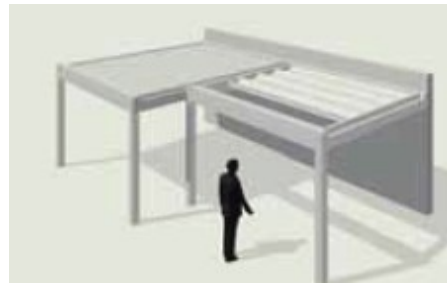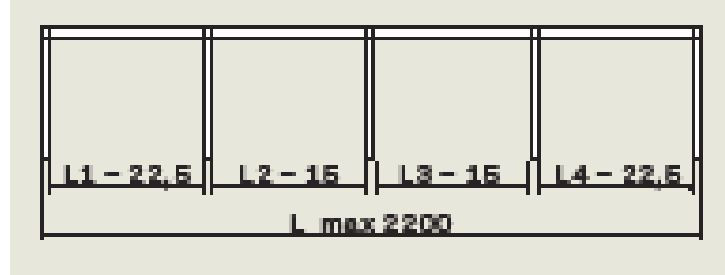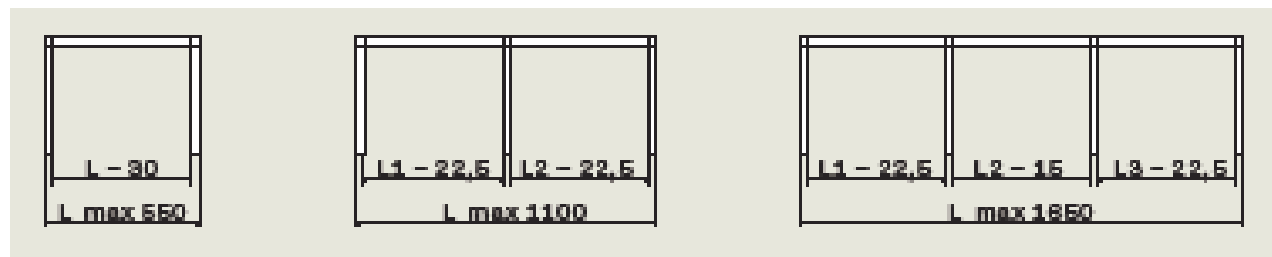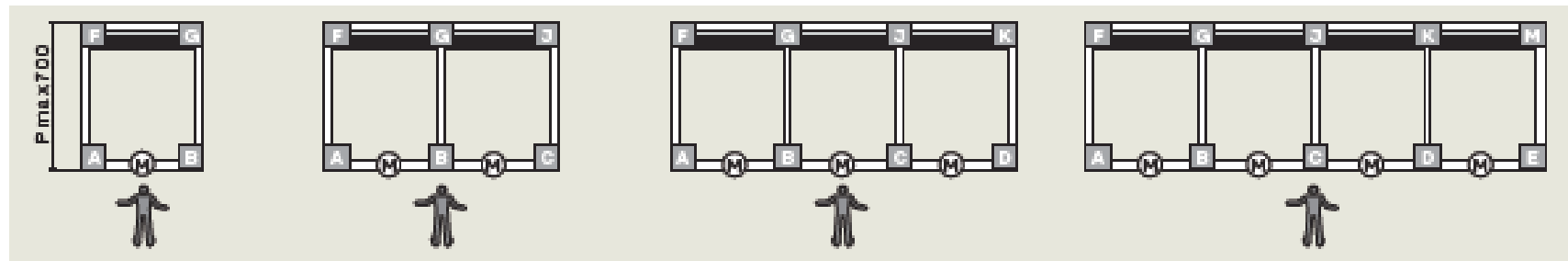

Inquire with Sunair office on this possibility eliminating center post at front

Available with max width 6 meters x 4 meters projection (19' 8" Wide x 13' 1 1/2" Projection).   Optional cantilevered posts not available in this configuration.

Also inquire on uneven sections or modules to be joined.

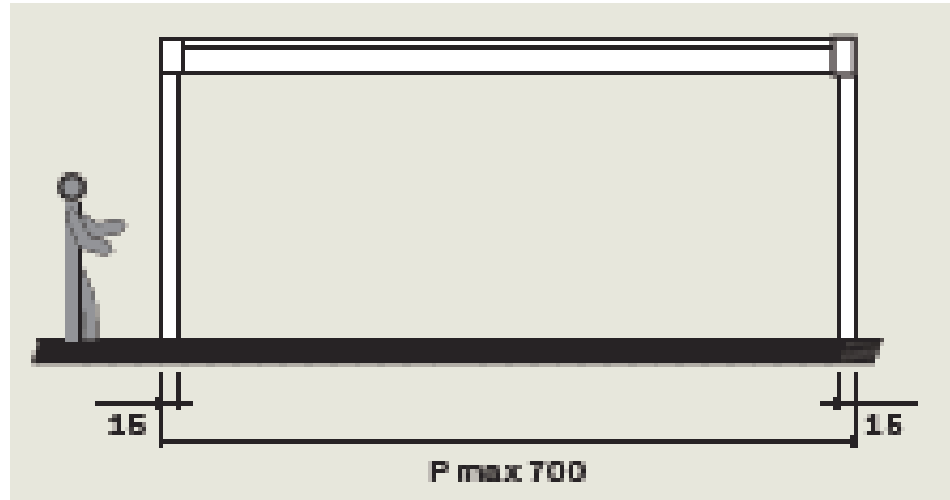# NOMO

01L : Free standing and if multiple Coupled on projection side.

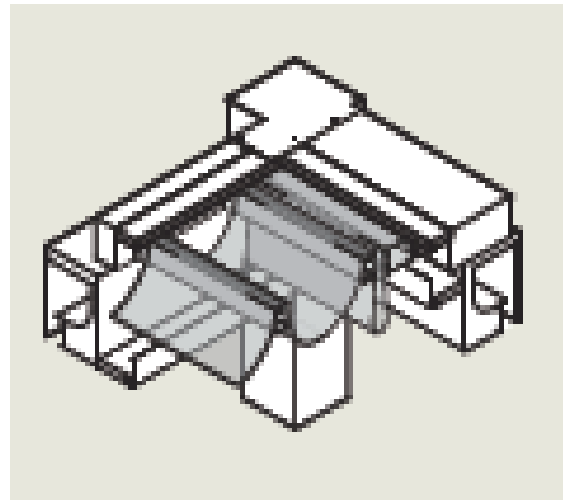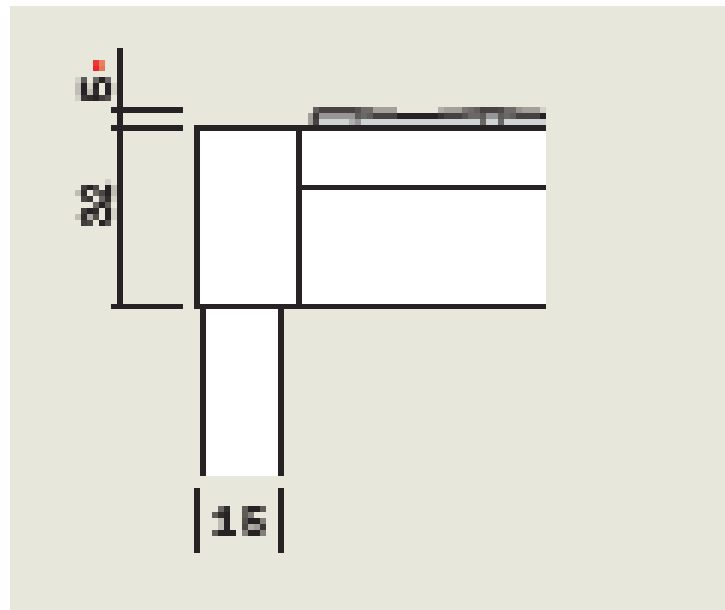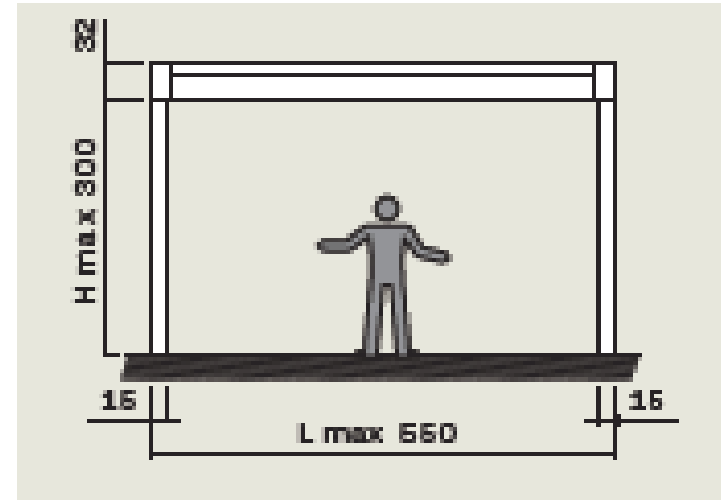| 1M	2M	3M	4M

P max 700

1M: F — G / A — M — B

2M: F — G — J / A — M — B — M — C

3M: F — G — J — K / A — M — B — M — C — M — D

4M: F — G — J — K — M / A — M — B — M — C — M — D — M — E

L – 30
L max 550

L1 – 22,5 | L2 – 22,5
L max 1100

L1 – 22,5 | L2 – 15 | L3 – 22,5
L max 1650

L1 – 22,5 | L2 – 15 | L3 – 15 | L4 – 22,5
L max 2200

01L : NOMO Free standing con't.

SIDE VIEW

FRONT VIEW

15
Pmax 700
15

H max 300
32

15
L max 550
15

5
32
15
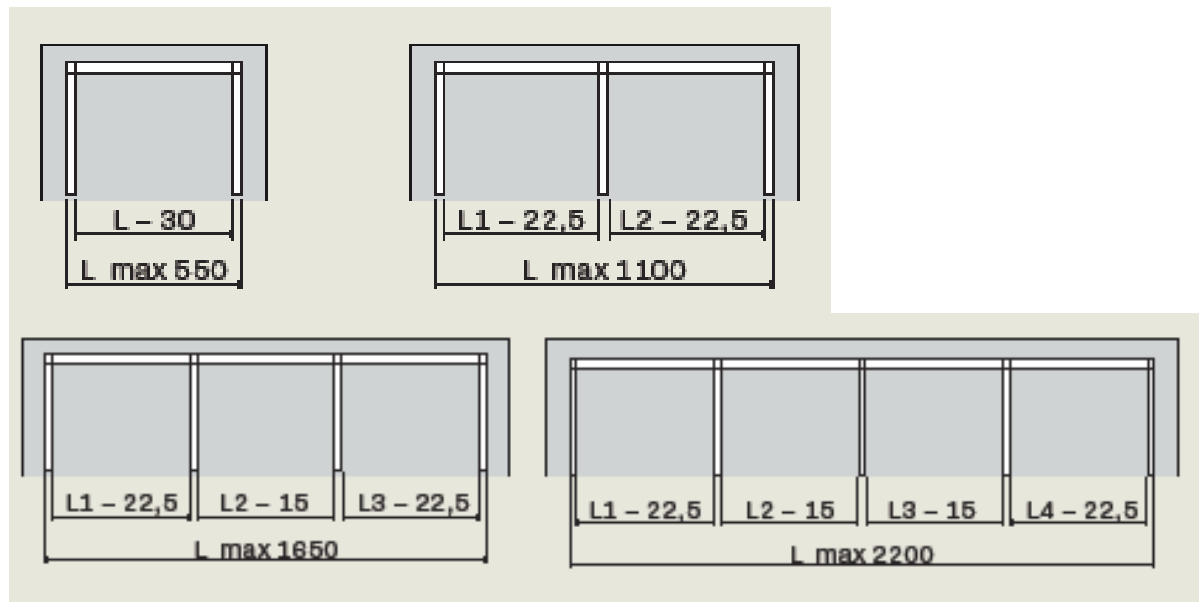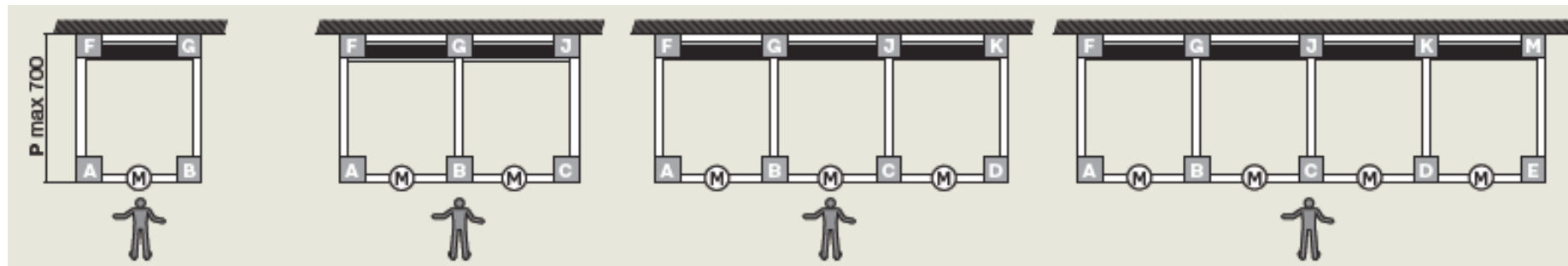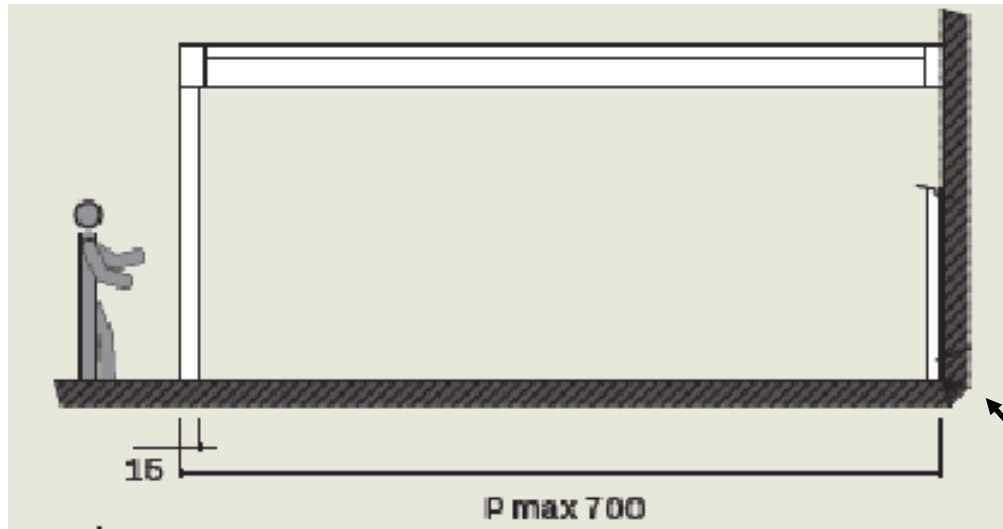
*NOTE: Maximum projection of the cover centered of structure

NOMO 02L : Wall Mounted and if multiple Coupled on projection side.

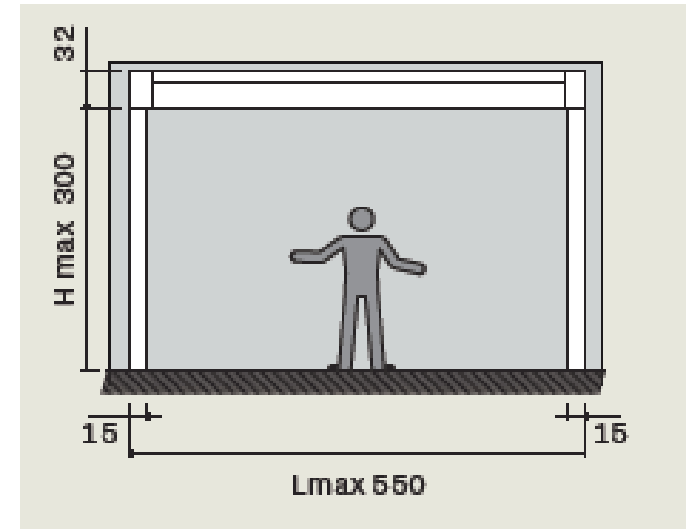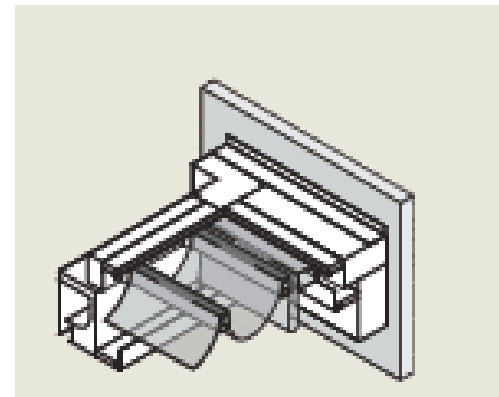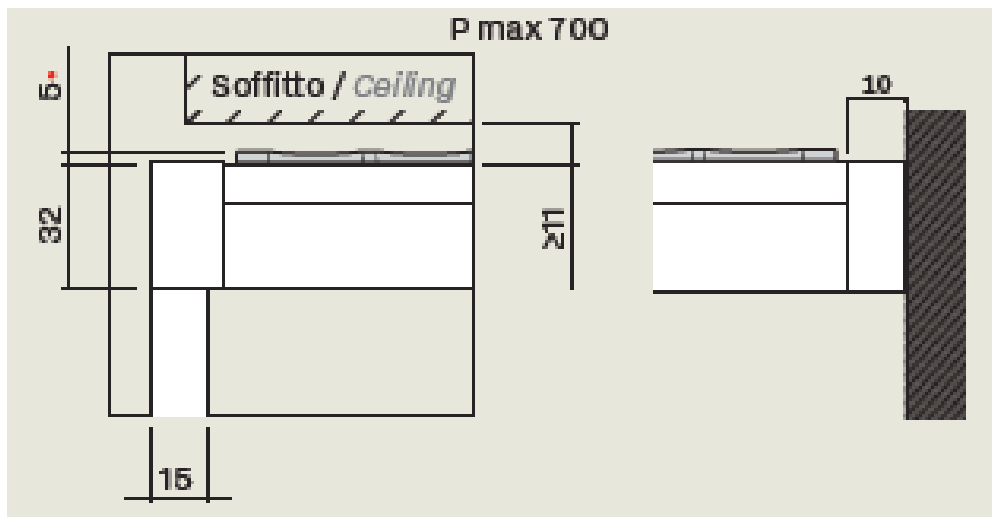1M   2M   3M   4M

P max 700

1M: F — G / A — M — B

2M: F — G — J / A — M — B — M — C

3M: F — G — J — K / A — M — B — M — C — M — D

4M: F — G — J — K — M / A — M — B — M — C — M — D — M — E

L – 30
L max 550

L1 – 22,5 | L2 – 22,5
L max 1100

L1 – 22,5 | L2 – 15 | L3 – 22,5
L max 1650

L1 – 22,5 | L2 – 15 | L3 – 15 | L4 – 22,5
L max 2200

NOMO 02L : Wall Mounted con't.

SIDE VIEW

FRONT VIEW

15

P max 700

32

H max 300

15   15

Lmax 550

Compensation profile added with RASO screens 10 cm x 15 cm

P max 700

Soffitto / Ceiling

32

≥11

5

10

15

*NOTE: Maximum projection of the cover centered of structure

NOMO 03L : Wall Mounted and if multiple Coupled on width side.
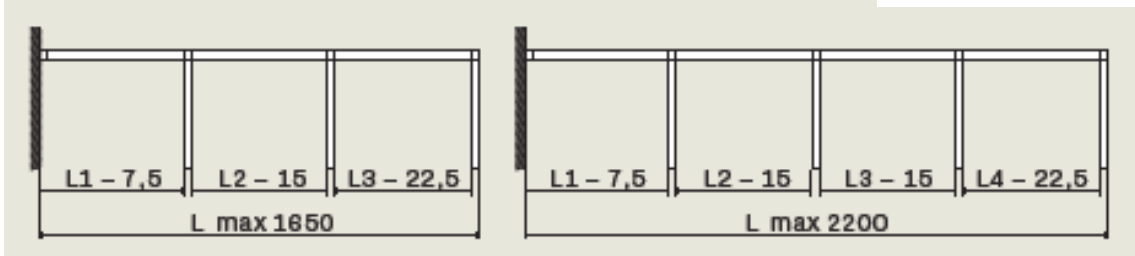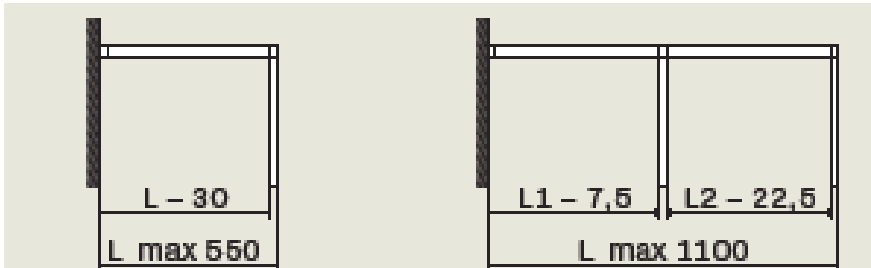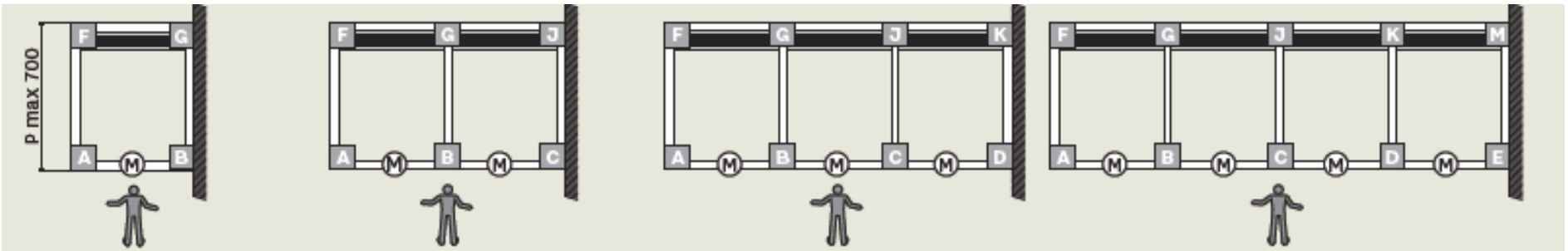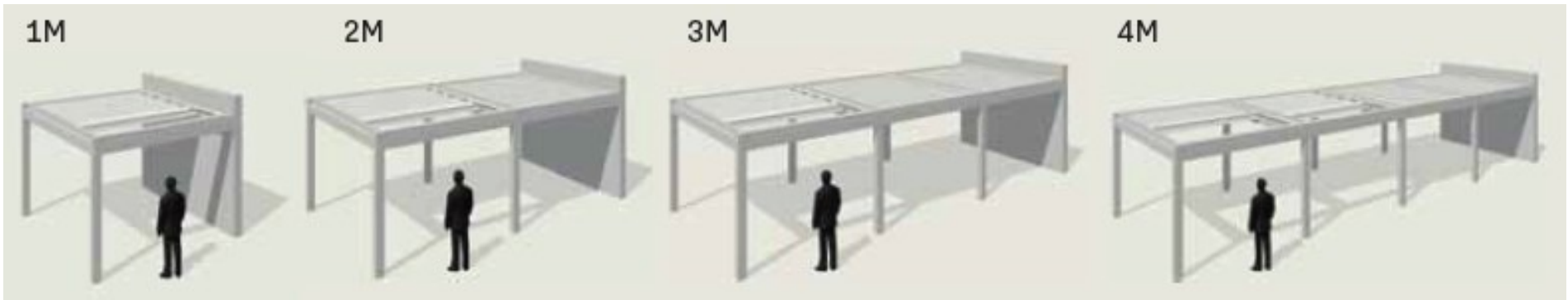
1M   2M   3M   4M

P max 700

1M: F — G / A — M — B

2M: F — G — J / A — M — B — M — C

3M: F — G — J — K / A — M — B — M — C — M — D

4M: F — G — J — K — M / A — M — B — M — C — M — D — M — E

L – 30
L max 550

L1 – 7,5 | L2 – 22,5
L max 1100

L1 – 7,5 | L2 – 15 | L3 – 22,5
L max 1650

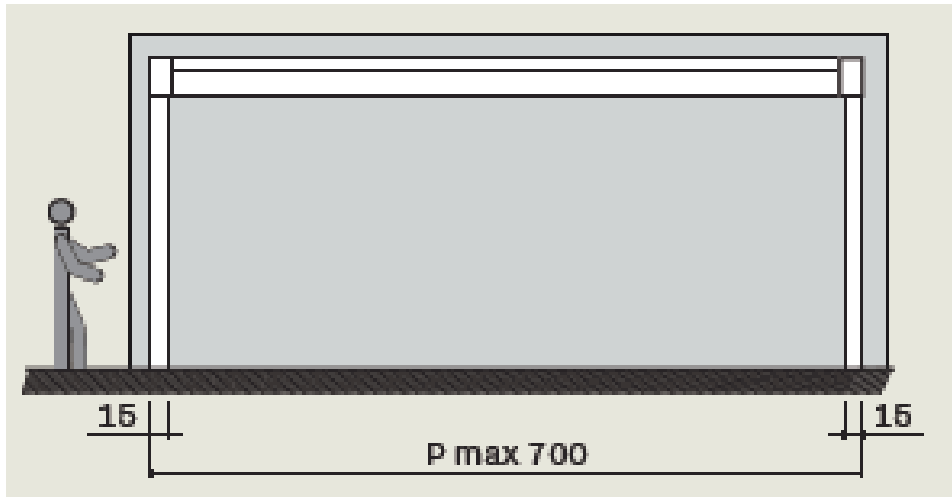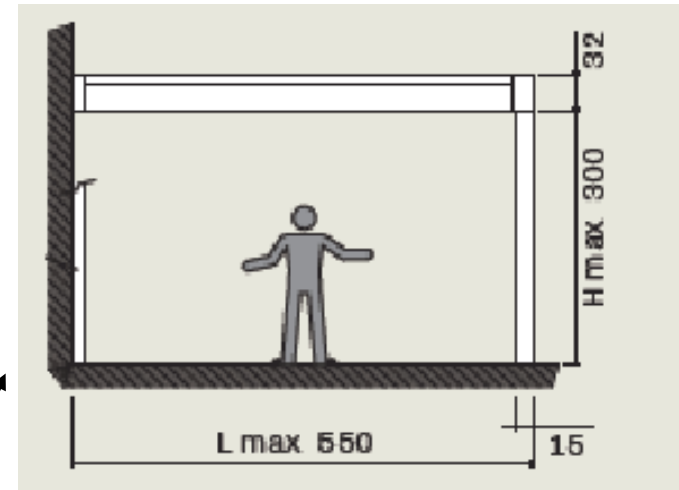L1 – 7,5 | L2 – 15 | L3 – 15 | L4 – 22,5
L max 2200

Note:

Drainage capability is reduced on this version due to one side being at the wall.
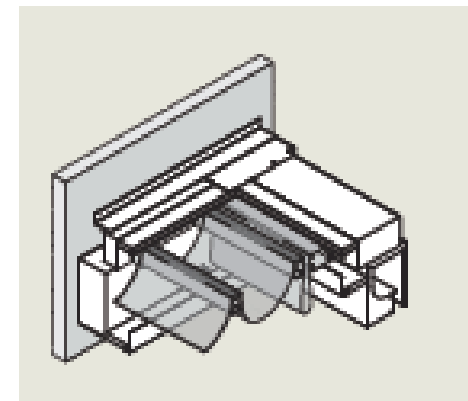
NOMO 03L : Wall Mounted con't.

SIDE VIEW

FRONT VIEW
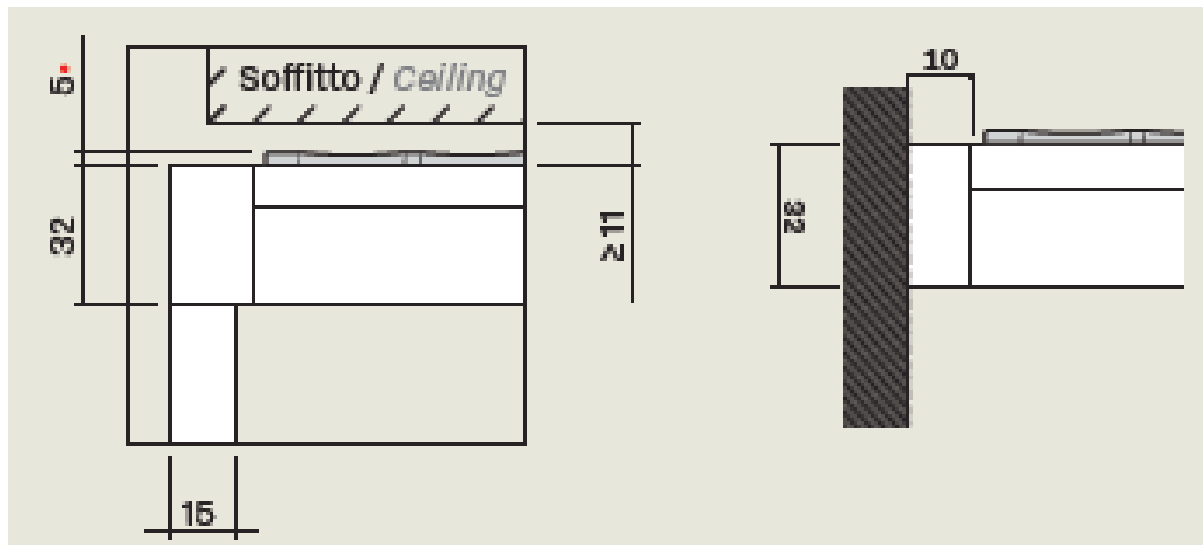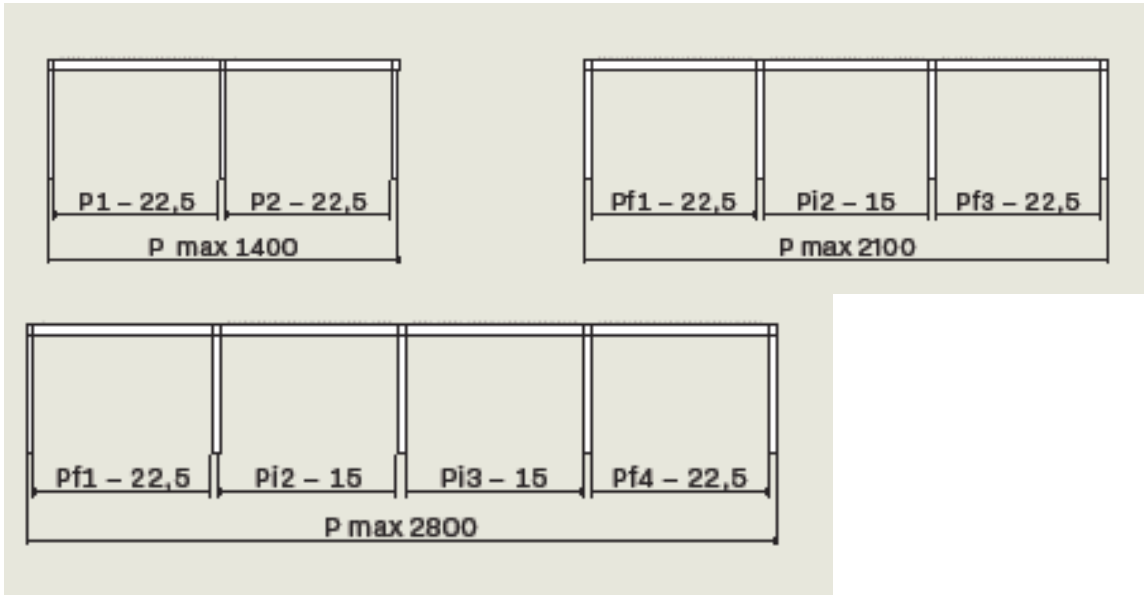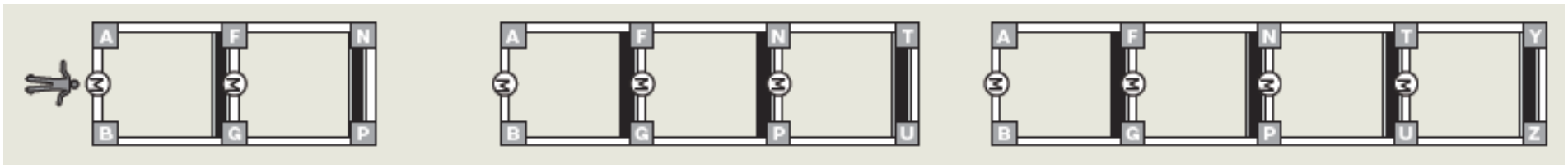

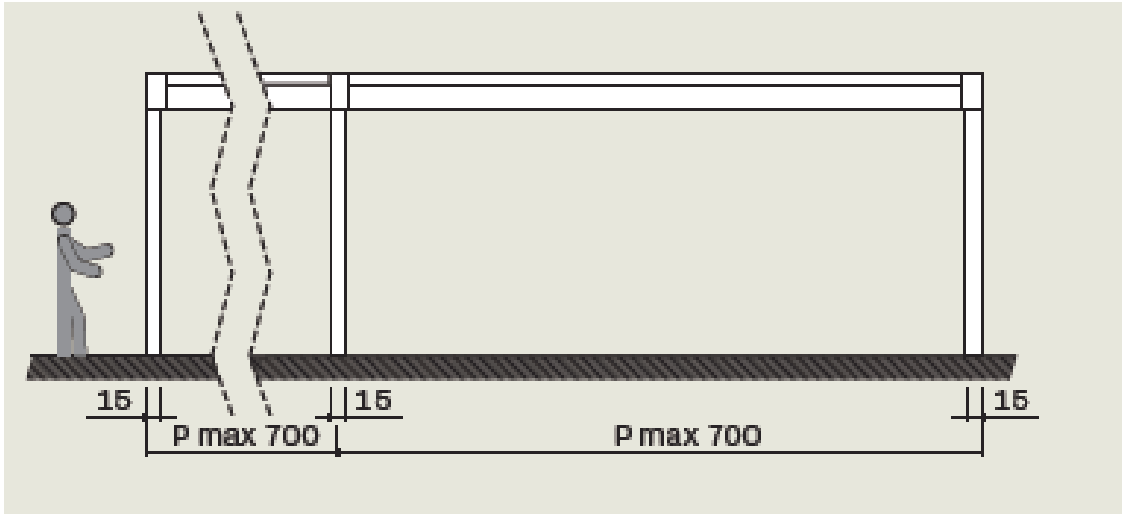Compensation profile added with RASO screens 10 cm x 15 cm

*NOTE: Maximum projection of the cover centered of structure

NOMO 01P : Free Standing and if multiple Coupled on width side.

2M

3M

4M

P1 – 22,5	P2 – 22,5
P max 1400	

Pf1 – 22,5	Pi2 – 15	Pf3 – 22,5
P max 2100		

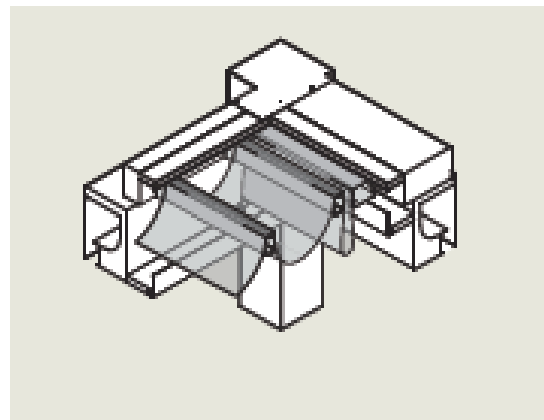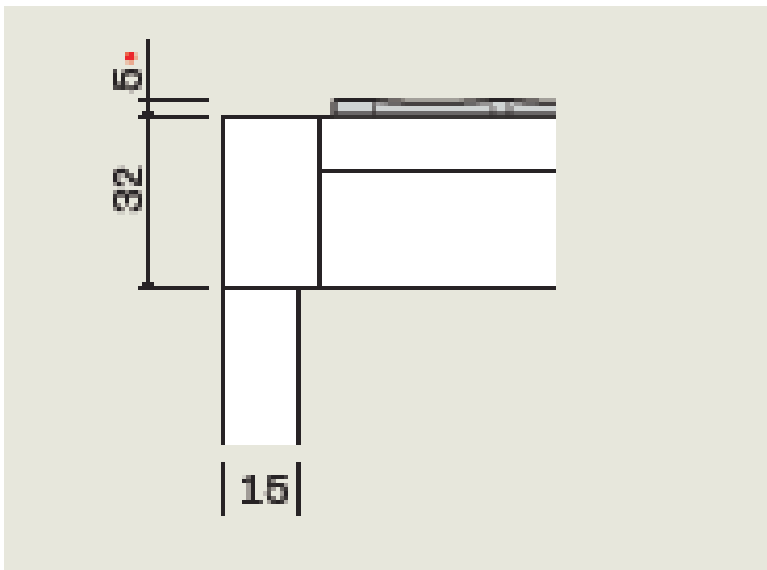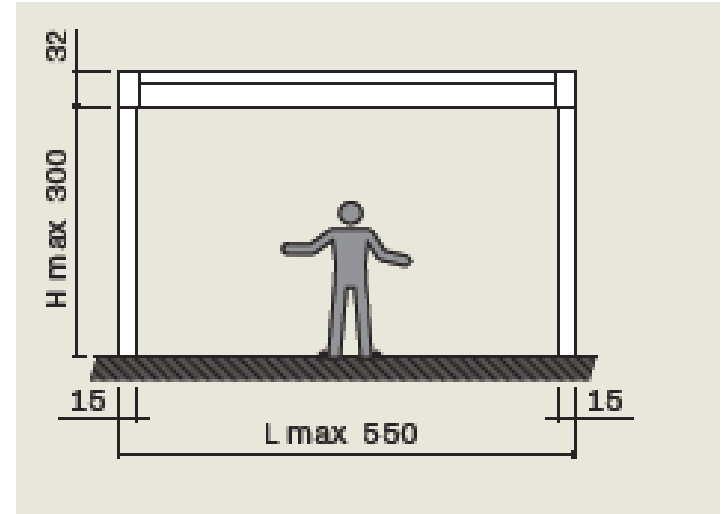| Pf1 – 22,5	Pi2 – 15	Pi3 – 15	Pf4 – 22,5
P max 2800			

NOMO 01P : Free Standing con't.

SIDE VIEW

FRONT VIEW

15 | P max 700 | 15 | P max 700 | 15

32 | H max 300

15 | L max 550 | 15

5

32

| 15 |

*NOTE: Maximum projection of the cover centered of structure

NOMO 02P : Wall Mounted and if multiple Coupled on width side.

2M

3M

4M

L max 550

P1 – 22,5   P2 – 7,5
P max 1400

P1 – 22,5   P2 – 15   P3 – 7,5
P max 2100

P1 – 22,5   P2 – 15   P3 – 15   P4 – 7,5
P max 2800

NOMO 02P : Wall Mounted con't.

SIDE VIEW

15   15
P max 700   P max 700

FRONT VIEW

32

H max 300

15   15
Lmax 550

Compensation profile added with RASO screens 10 cm x 15 cm
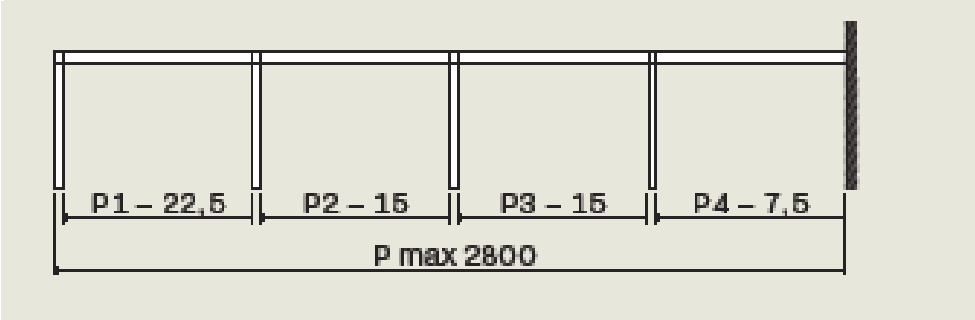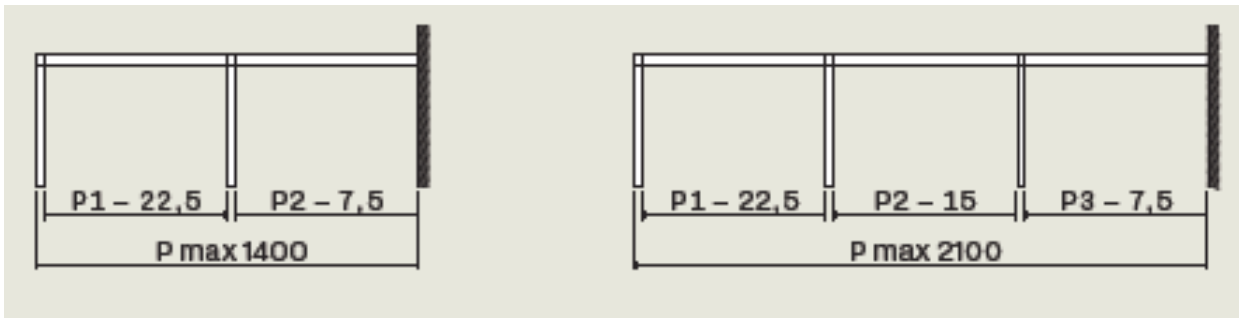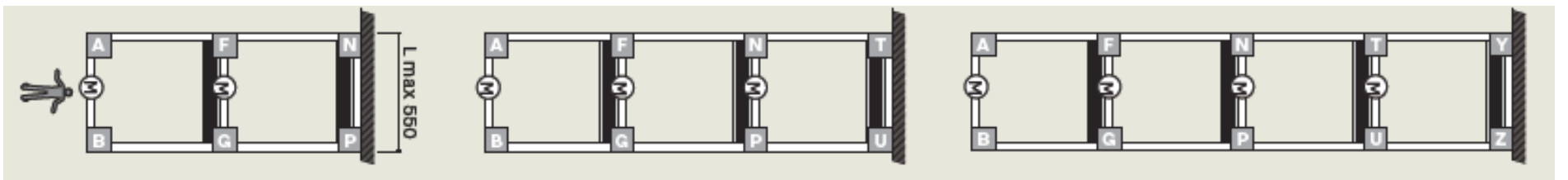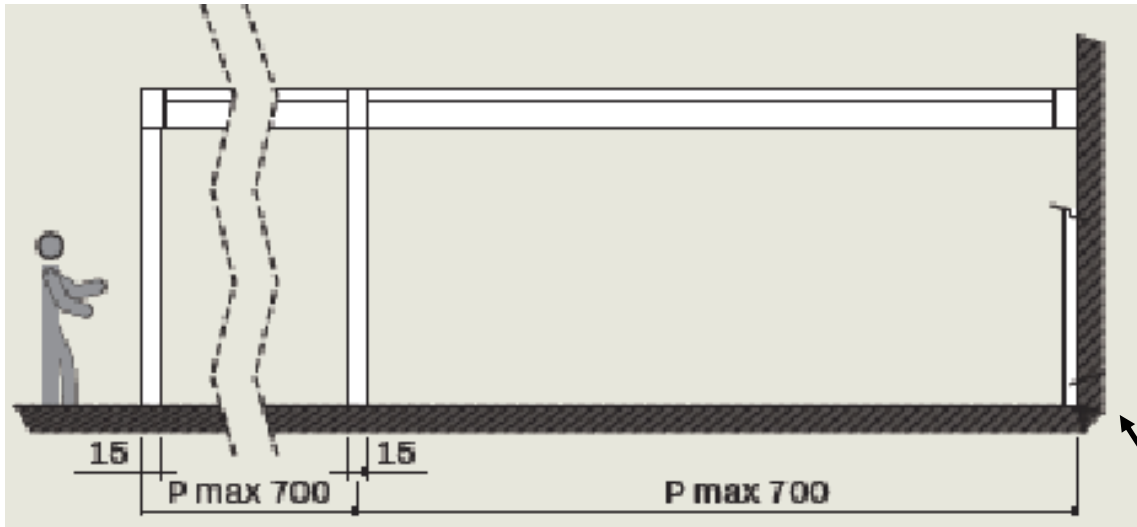
5

Soffitto / Ceiling

32   ≥11

15

10

*NOTE: Maximum projection of the cover centered of structure

NOMO 03P : Wall Mounted and if multiple Coupled on Projection side.

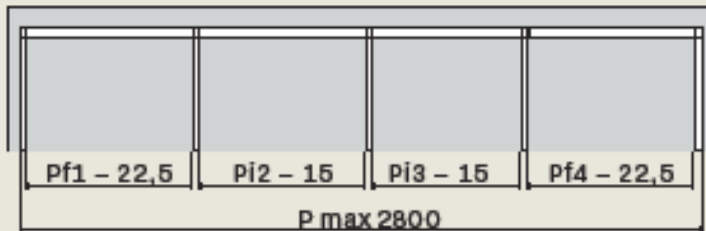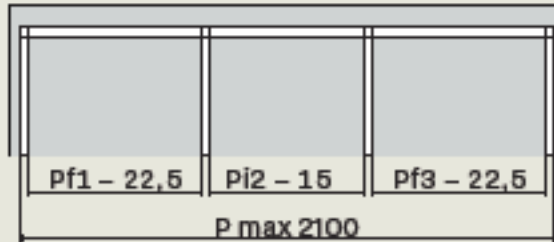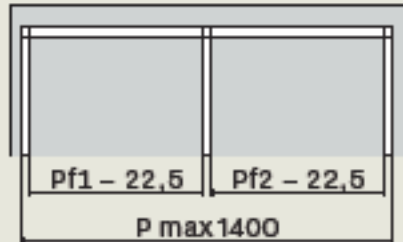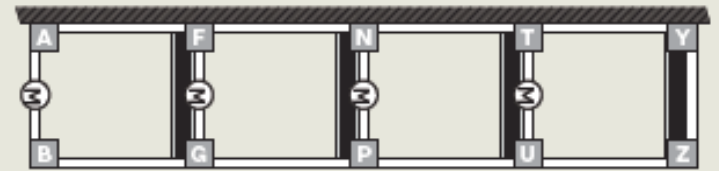2M   3M   4M

L max 550

A	F	N
B	G	P

A	F	N	T
B	G	P	U

A	F	N	T	Y
B	G	P	U	Z

Pf1 – 22,5	Pf2 – 22,5
P max 1400	

Pf1 – 22,5	Pi2 – 15	Pf3 – 22,5
P max 2100		

Pf1 – 22,5	Pi2 – 15	Pi3 – 15	Pf4 – 22,5
P max 2800			

Note:

Drainage capability is reduced on this version due to one side being at the wall.

NOMO 03P : Wall Mounted con't.

SIDE VIEW

FRONT VIEW

15 ·|· 15 P max 700

15 P max 700

15

H max 300
32
15
L max 550

Compensation profile added with RASO screens 10 cm x 15 cm

5·
32

Soffitto / Ceiling

≥11

10

32

15

*NOTE: Maximum projection of the cover centered of structure

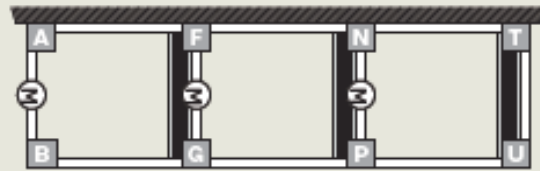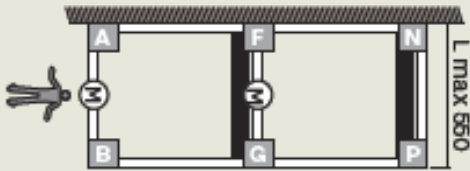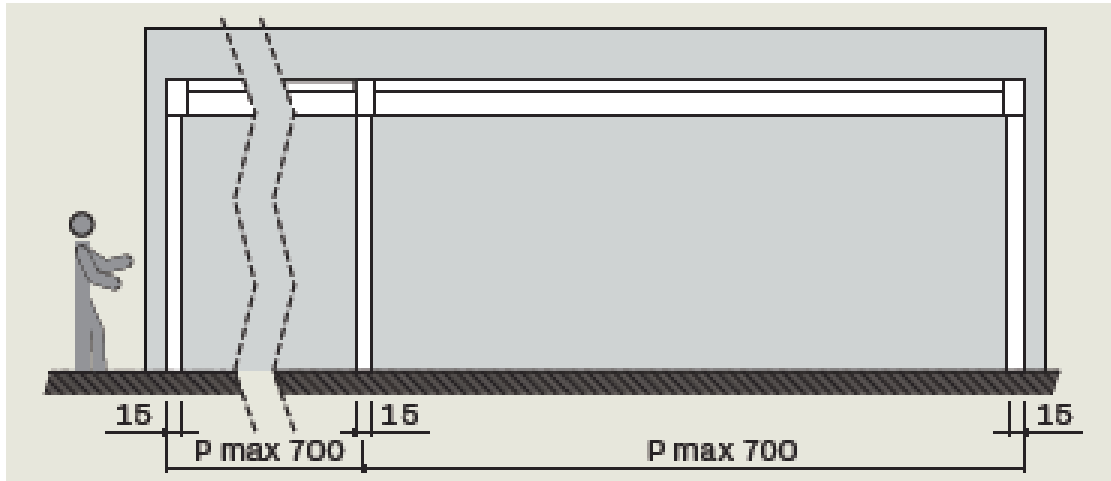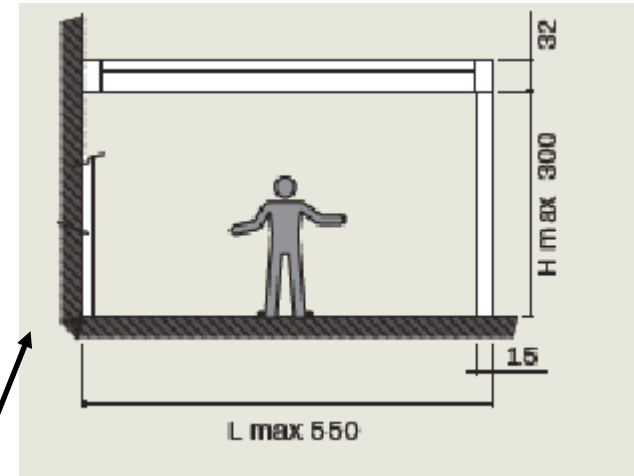**Multiple NOMO structures can be combined to cover larger spaces both in width and projection. To couple units together middle beams and posts are deducted from the configuration.**

Max size one unit with 4 posts / 1 span fabric

L = width = from 6' 6" to 18' wide (550 cm)

P = projection = from 6' 6" to 22' 11"projection (700 cm)

3*

32

15

32

H

15   P-30   15

P

H (230 STD)(300 MAX)

32

15   Lmax 550   15

Front view

Top view

32

H (230 STD)(300 MAX)

15   Pmax 700   15
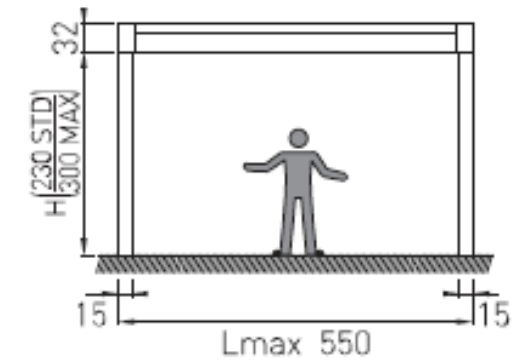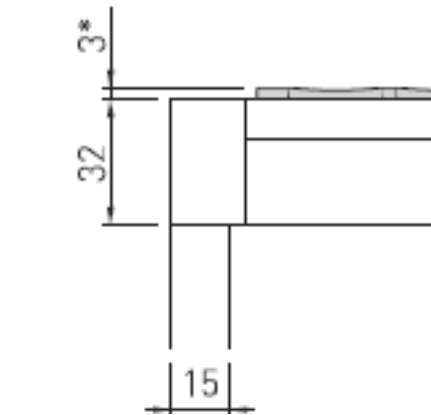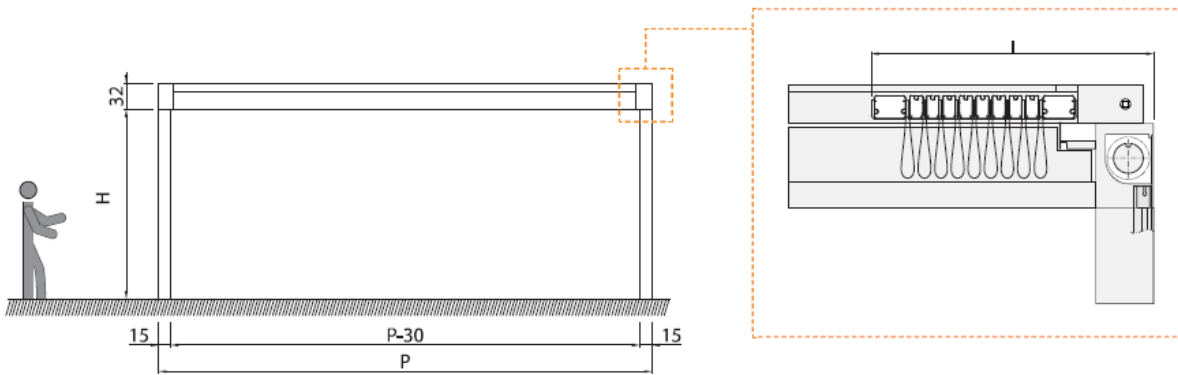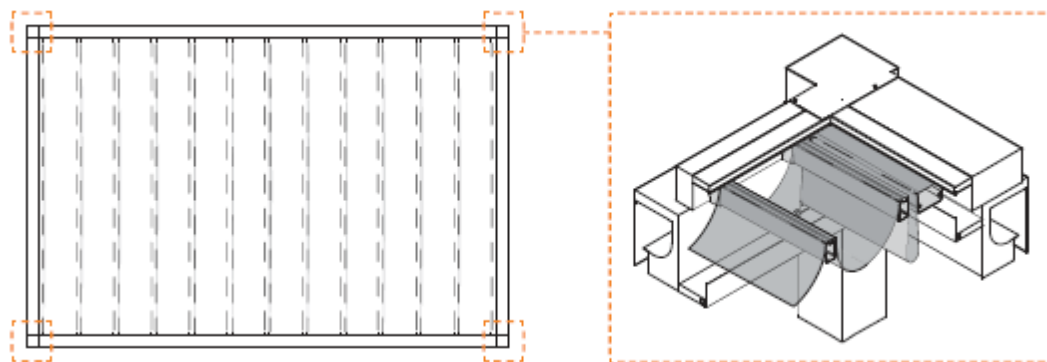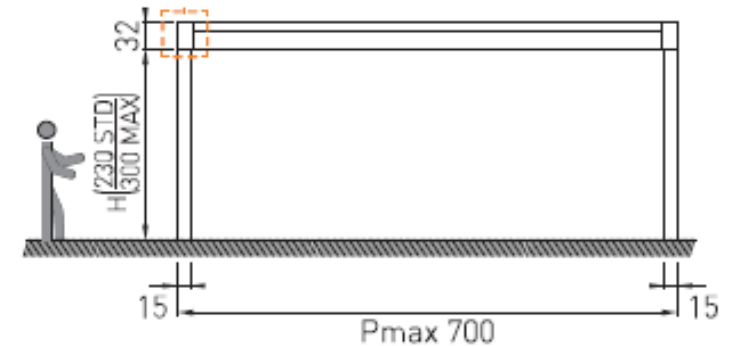
Side view

NOMO Technical Details.

Supporting Box Profile with Raso shown
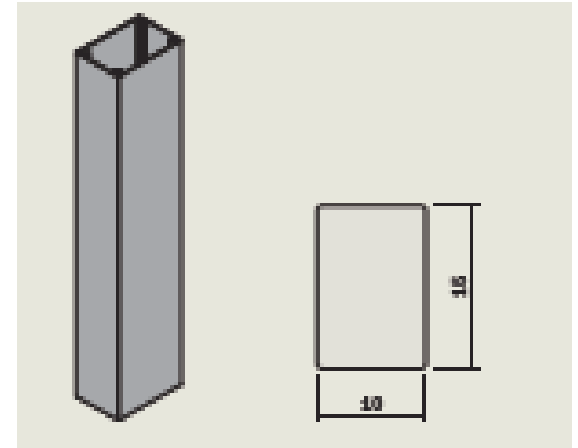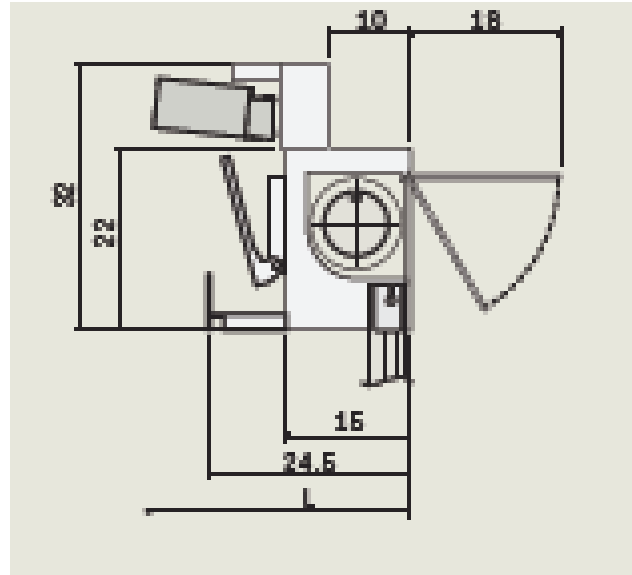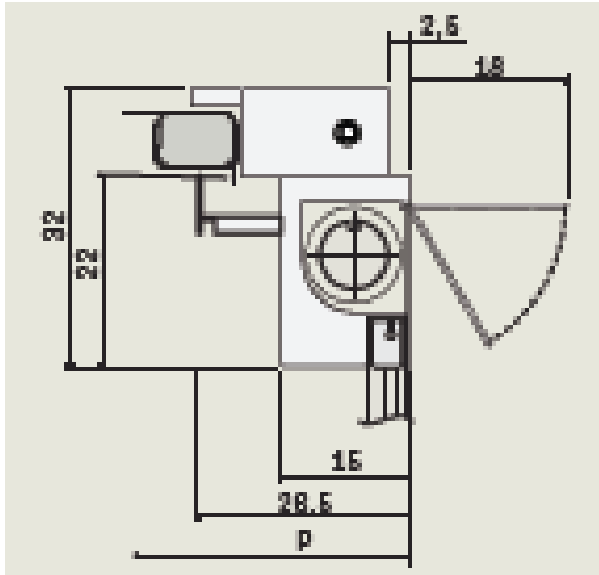
Compensation Profile 10 x 15 cm

Intermediate Supporting Profile
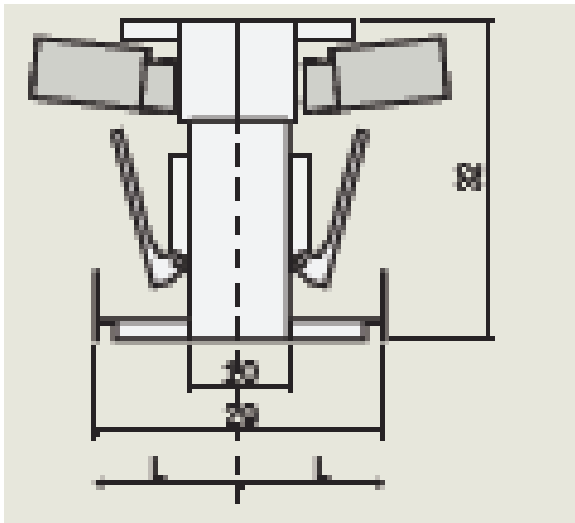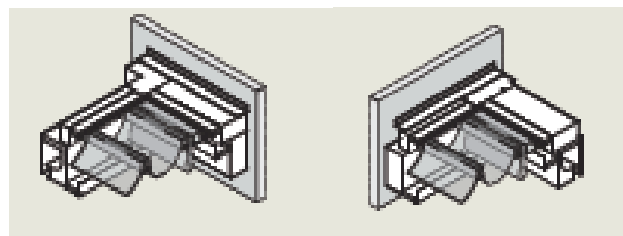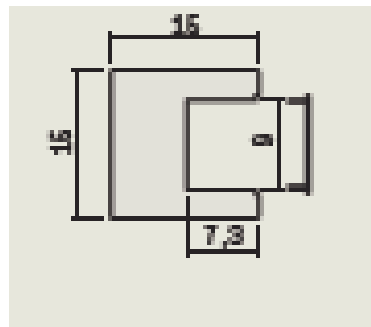
Post Profile

Wall Mounting With Profile

NOMO More Technical Details.

Tilting Gutter

Retracting

Fully extended
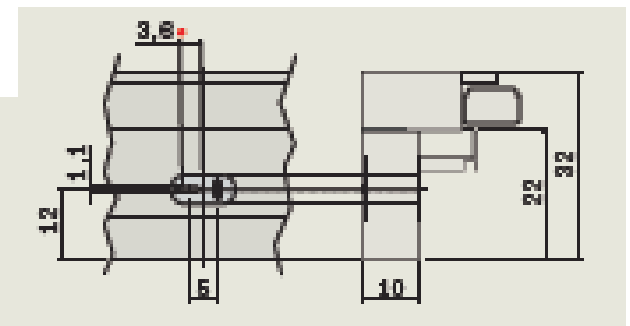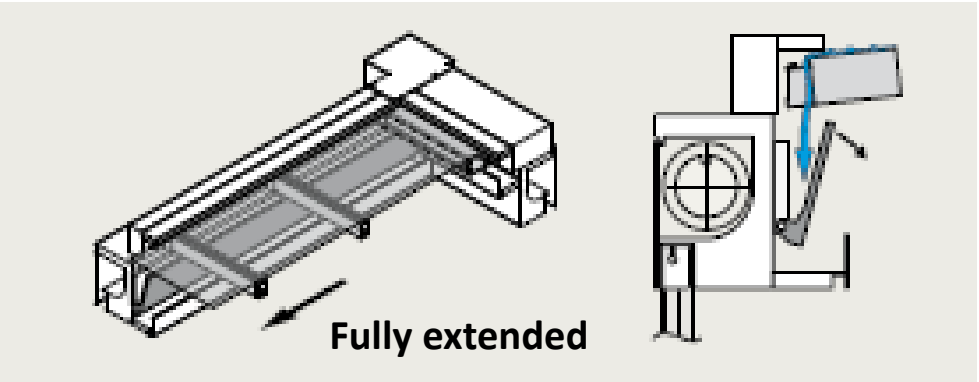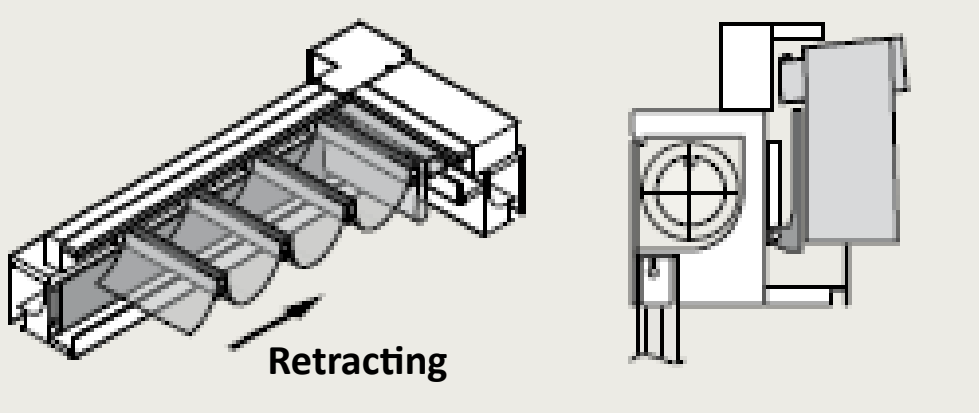
NOMO Post options.
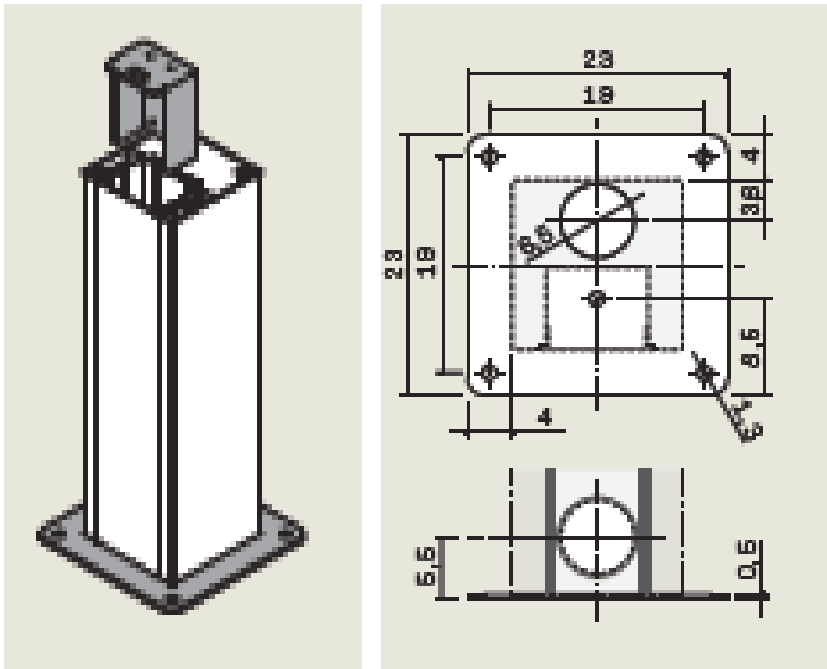
STANDARD POST & FOOT PLATE

POST HEIGHTS:

Standard under gutter 90" (230 cm)

Up to 98" no additional cost. (250 cm)

Above 98" extra cost per post.

NOMO: **Max height posts 118" (300 cm)**
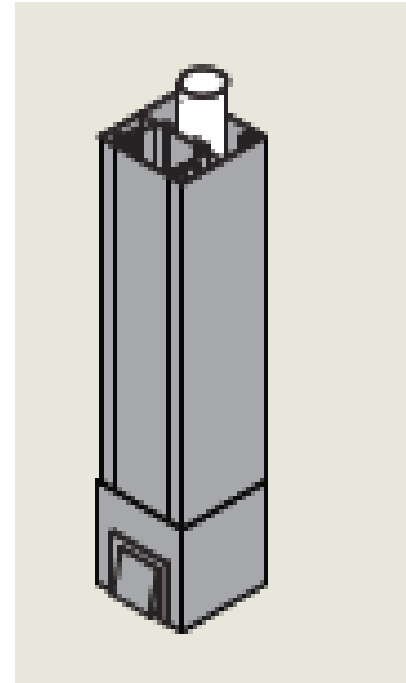
TELESCOPING FEET
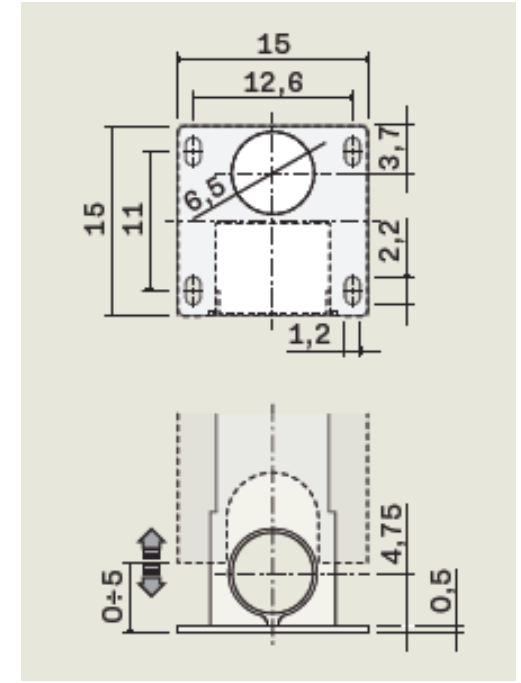
Post profile For compensation to the wall of RASO awning fixing (only for versions 02L or 02P), it is supplied as standard if the Raso awning is ordered together with the structure The fixing method of the post profile is at the discretion of the installer.
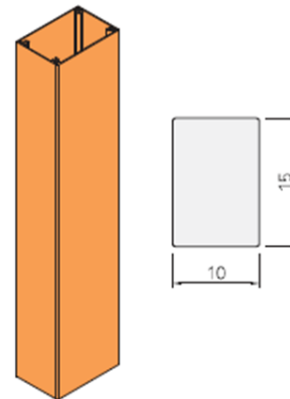
The "post" plate is as follows:

stainless steel 0.5 cm thick = 3/16" thick

Holes on center side to side along front 11 cm =   4.33 inches

Holes on center front to back apart 2.6 cm = 4.96 inches

NOMO Post drainage options.

Front drainage option

Side drainage option

Down drainage option

Front inspection (standard)

Front inspection (standard)

Side inspection (on request)

Side inspection (on request)
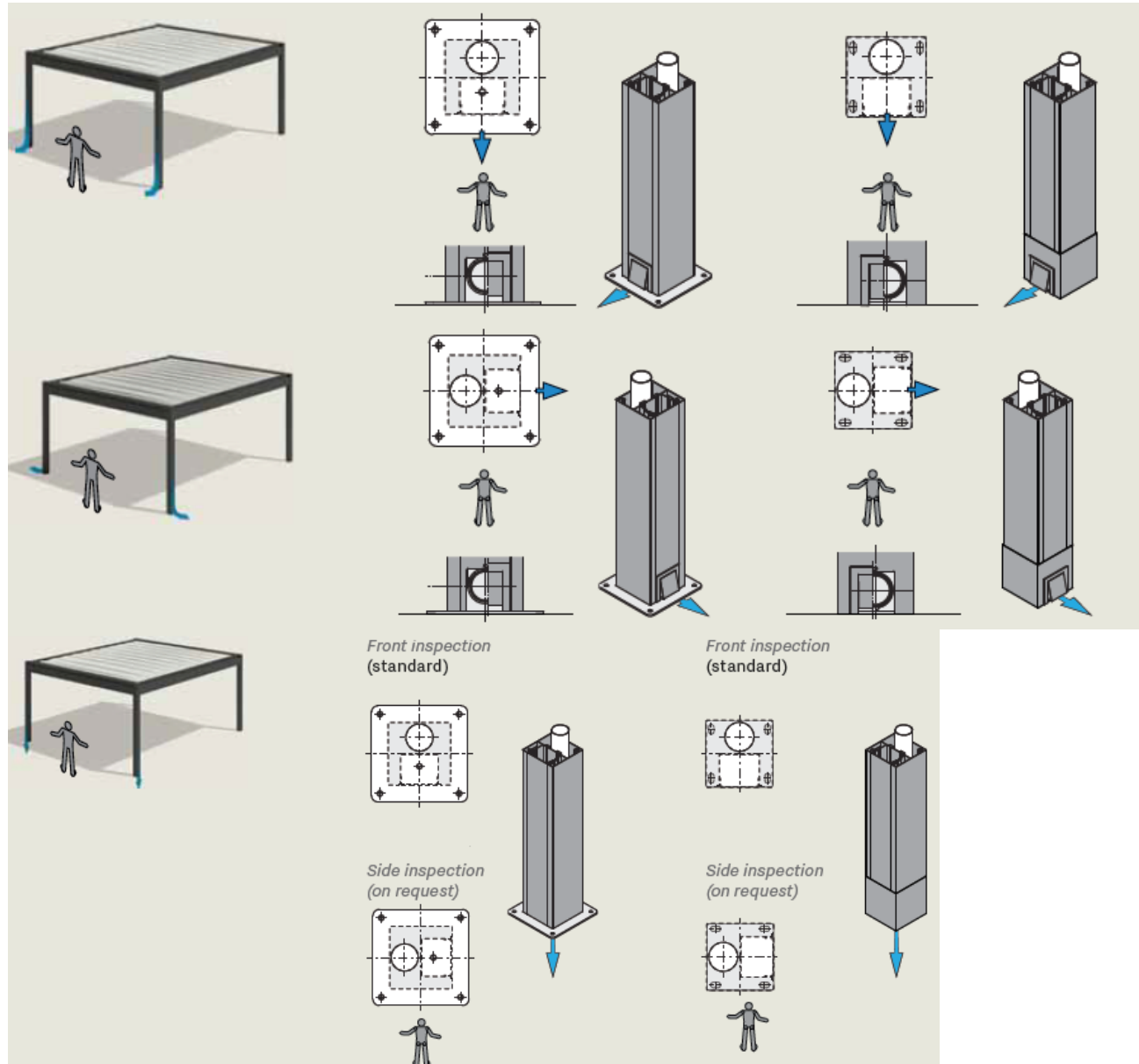
NOTE: The NOMO fabric is arched on the top so a drainage points are needed on each side of each module.
Two drainage points per module is minimum (More is better).

RIALTO

01L : Free standing and if multiple Coupled on projection side.

1M 2M 3M 4M

P max 700

F G | F G J | F G J K | F G J K M
A M B | A M B M C | A M B M C M D | A M B M C M D M E

L – 30
L max 550

L1 – 22,5   L2 – 22,5
L max 1100

L1 – 22,5   L2 – 15   L3 – 22,5
L max 1850

L1 – 22,5   L2 – 15   L3 – 15   L4 – 22,5
L max 2200
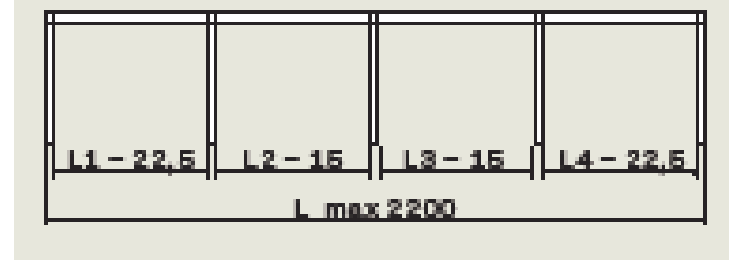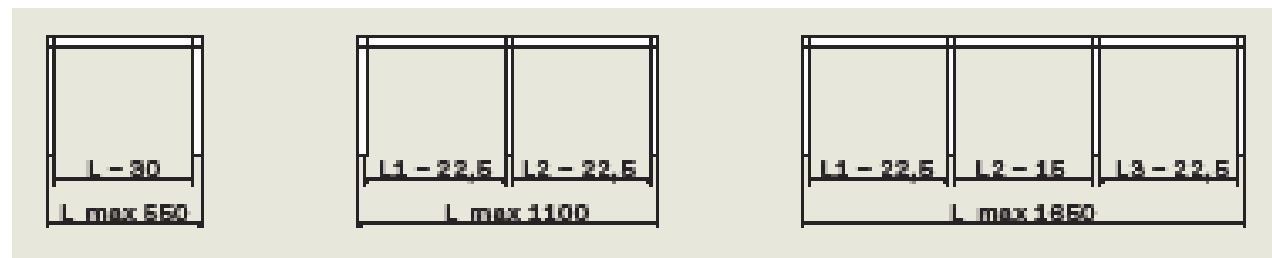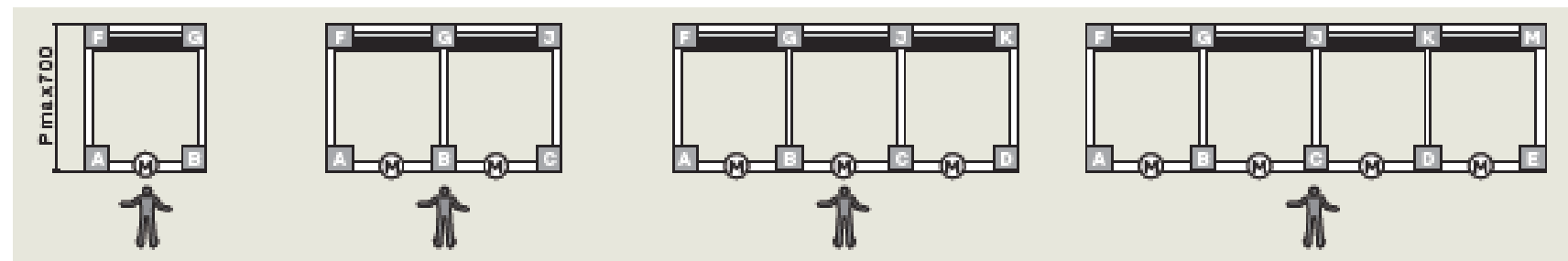
Note: Raso screens not available with RIALTO model.

01L : RIALTO Free standing con't.
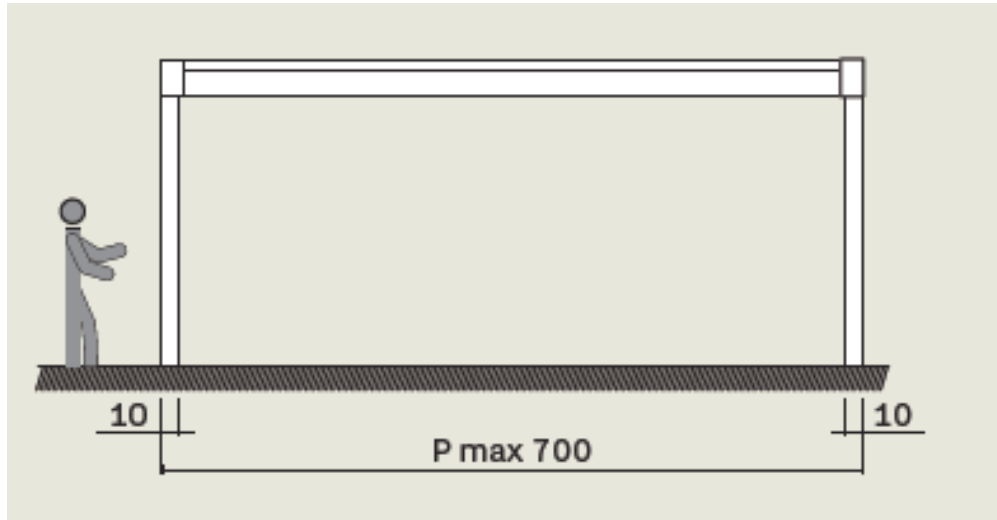
SIDE VIEW

FRONT VIEW

Side view dimensions: 10, P max 700, 10

Front view dimensions: 32, H max 270, 15, L max 550, 15

*NOTE: Maximum projection of the cover centered on post at front

Detail dimensions: 5*, 32, 10
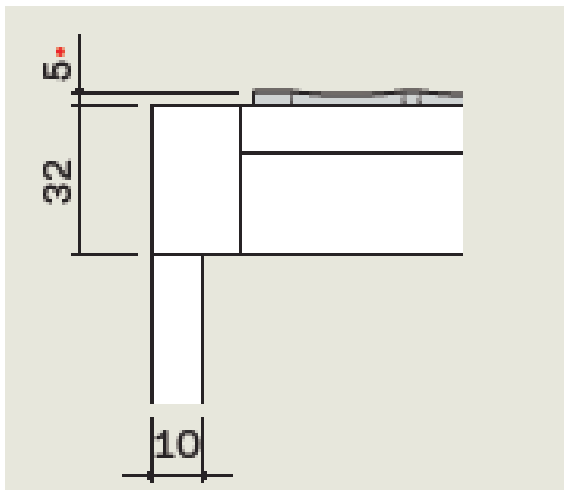
*NOTE: Maximum projection of the cover centered of structure

RIALTO 02L : Wall Mounted and if multiple Coupled on projection side.

| 1M | 2M | 3M | 4M |

P max 700

F G
A (M) B
L – 30
L max 550

F G J
A (M) B (M) C
L1 – 22,5 L2 – 22,5
L max 1100

F G J K
A (M) B (M) C (M) D
L1 – 22,5 L2 – 15 L3 – 22,5
L max 1650

F G J K M
A (M) B (M) C (M) D (M) E
L1 – 22,5 L2 – 15 L3 – 15 L4 – 22,5
L max 2200

Note: Raso screens not available with RIALTO model.

RIALTO 02L : Wall Mounted con't.

SIDE VIEW

FRONT VIEW

P max 700

10

H max 270

32

15

L max 550

15

5

32

Soffitto /
Ceiling

10

≥ 11

10

*NOTE: Maximum projection of the cover centered on post at front

RIALTO 03L : Wall Mounted and if multiple Coupled on width side.

1M   2M   3M   4M

P max 700

| F — G | F — G — J | F — G — J — K | F — G — J — K — M |

| A (M) B | A (M) B (M) C | A (M) B (M) C (M) D | A (M) B (M) C (M) D (M) E |

L – 30
L max 550

L1 – 7,5 | L2 – 22,5
L max 1100

Note:

Drainage capability is reduced on this version due to one side being at the wall.

L1 – 7,5 | L2 – 15 | L3 – 22,5
L max 1650

L1 – 7,5 | L2 – 15 | L3 – 15 | L4 – 22,5
L max 2200
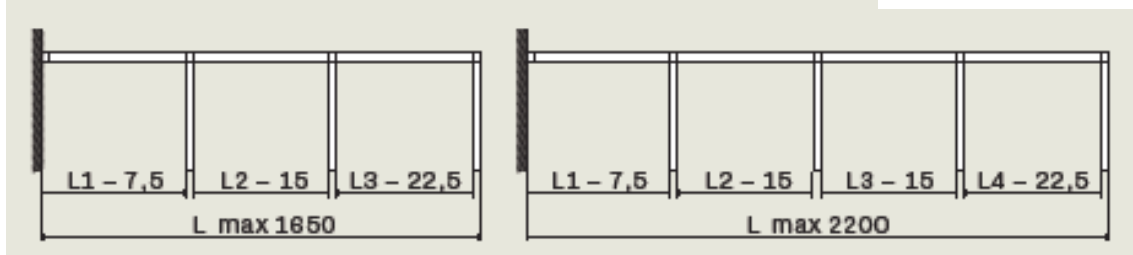
Note:

Raso screens not available with RIALTO model.

RIALTO 03L : Wall Mounted con't.

SIDE VIEW

FRONT VIEW

P max 700

15

15

L max 550

15

H max 270

32

5

32

Soffitto / Ceiling

≥11

10

32

10
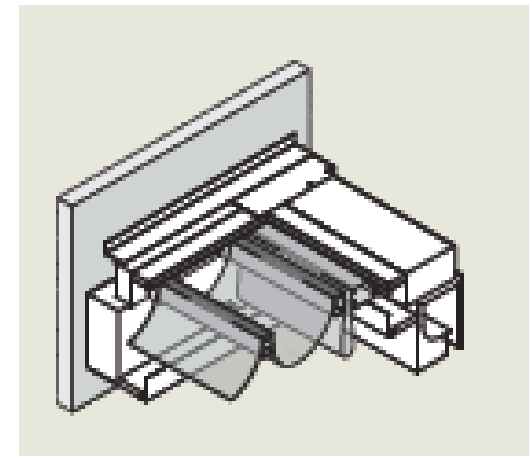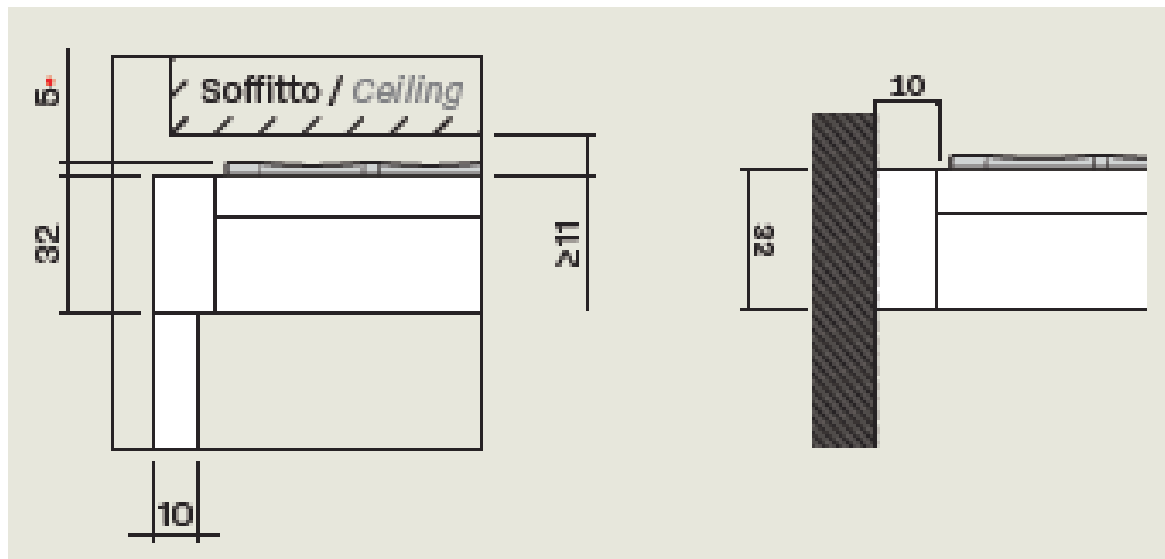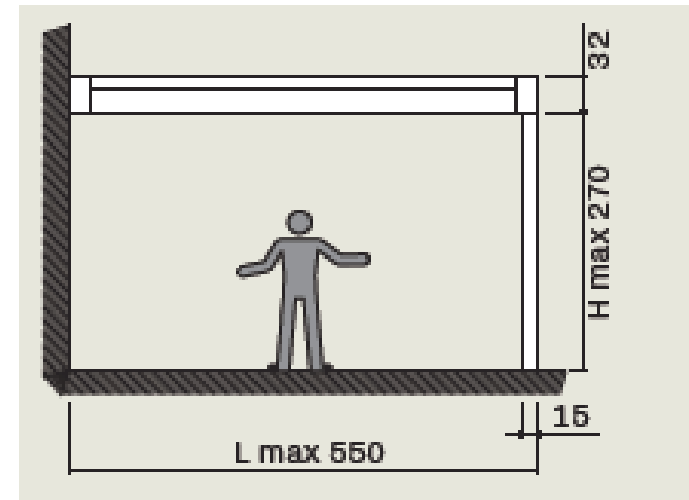
*NOTE: Maximum projection of the cover centered on post at front

RIALTO 01P : Free Standing and if multiple Coupled on width side.

| 2M | 3M | 4M |

Diagrams:

2M
A — W — F — W — N
B — G — P

3M
A — W — F — W — N — W — T
B — G — P — U

4M
A — W — F — W — N — W — T — W — Y
B — G — P — U — Z

| P1 – 22,5 | P2 – 22,5 |
| P max 1400 |

| Pf1 – 22,5 | Pi2 – 15 | Pf3 – 22,5 |
| P max 2100 |

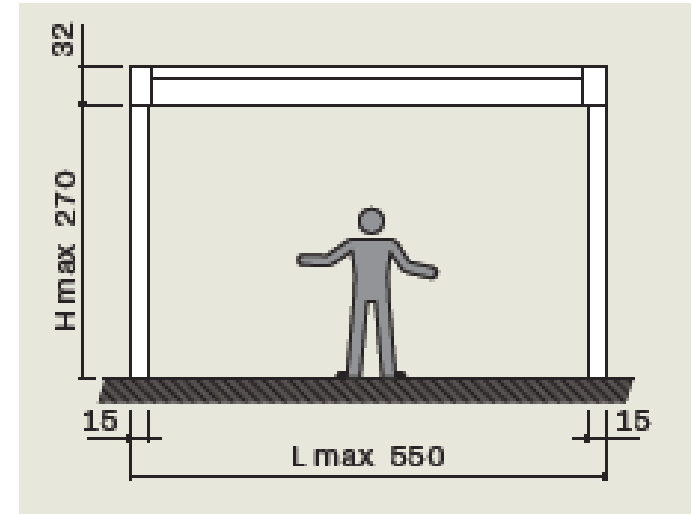| Pf1 – 22,5 | Pi2 – 15 | Pi3 – 15 | Pf4 – 22,5 |
| P max 2800 |
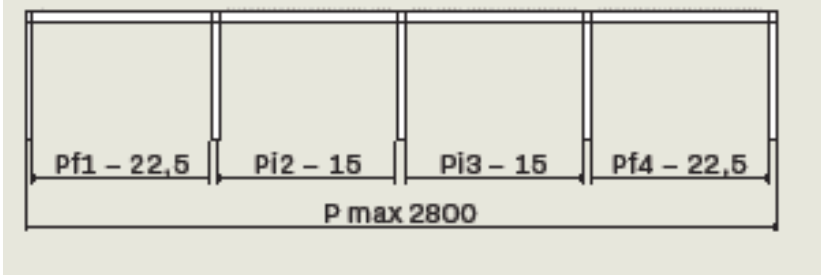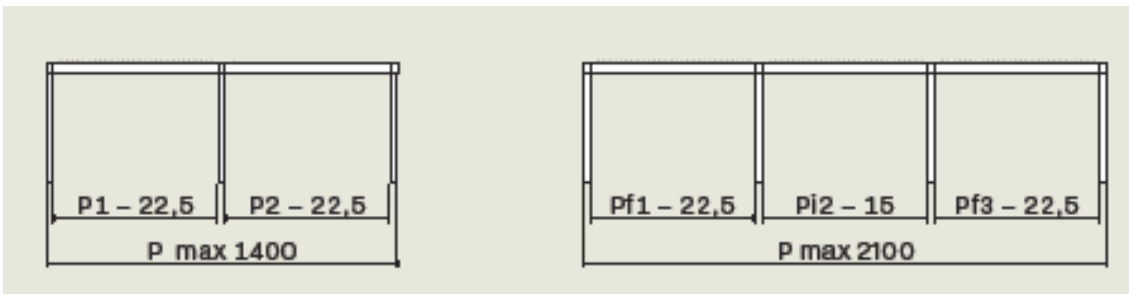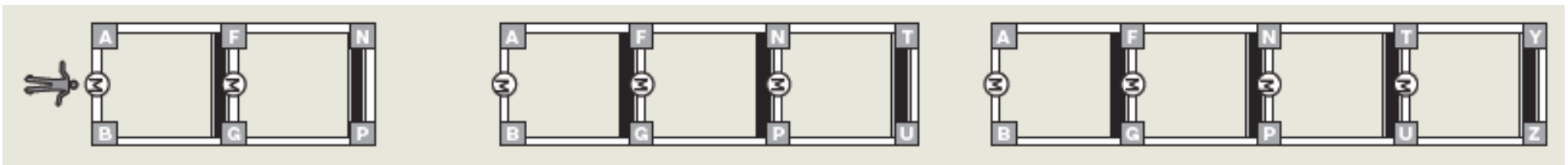
Note: Raso screens not available with RIALTO model.

RIALTO 01P : Free Standing con't.
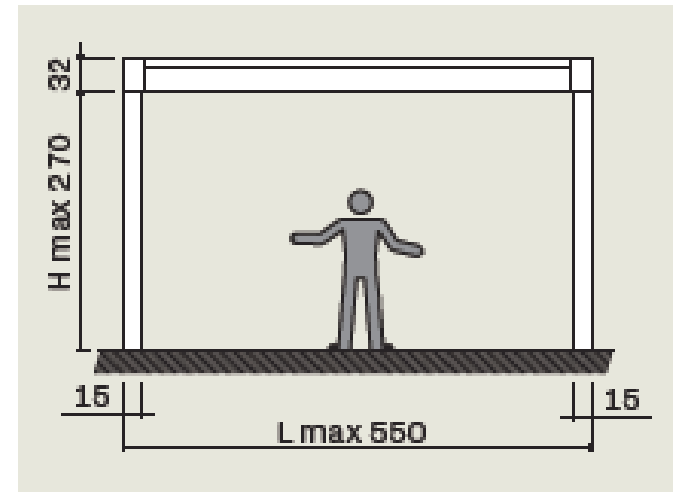
SIDE VIEW

FRONT VIEW

10 | 15 | 10
P max 700 | P max 700

H max 270 | 32
15 | 15
L max 550
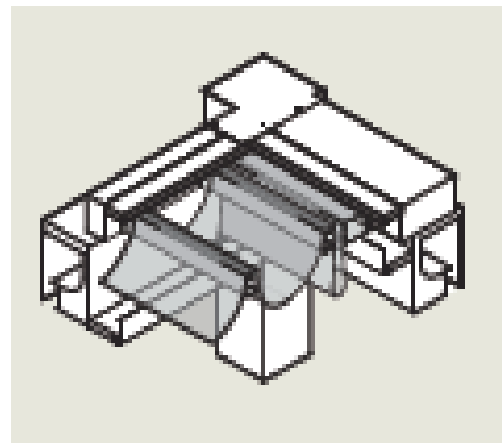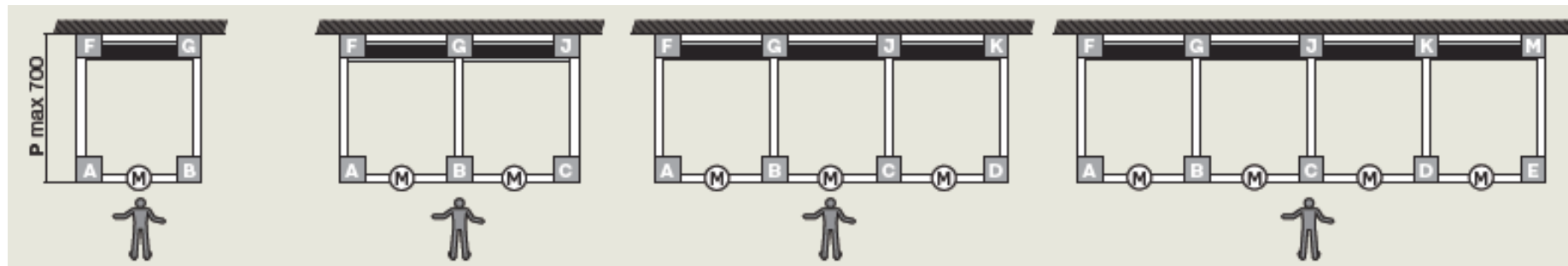
*NOTE: Maximum projection of the cover centered on post at

5 | 32

10

*NOTE: Maximum projection of the cover centered on post at front

RIALTO 02P : Wall Mounted and if multiple Coupled on width side.

2M

3M

4M

L max 550

P1 – 22,5 | P2 – 7,5

P max 1400

P1 – 22,5 | P2 – 15 | P3 – 7,5

P max 2100

P1 – 22,5 | P2 – 15 | P3 – 15 | P4 – 7,5

P max 2800
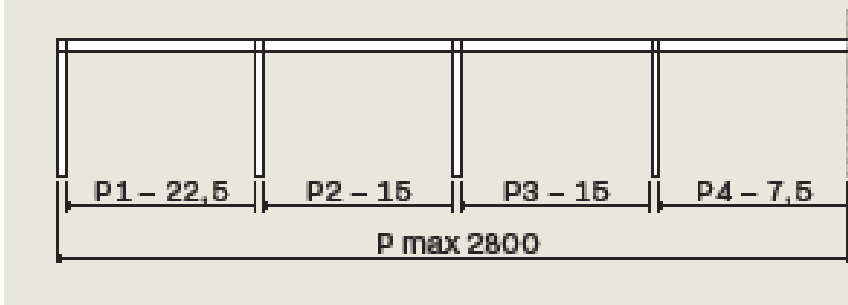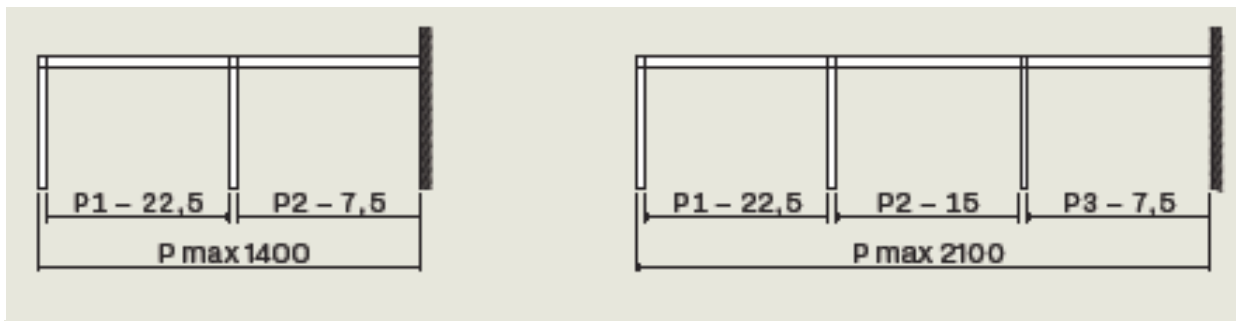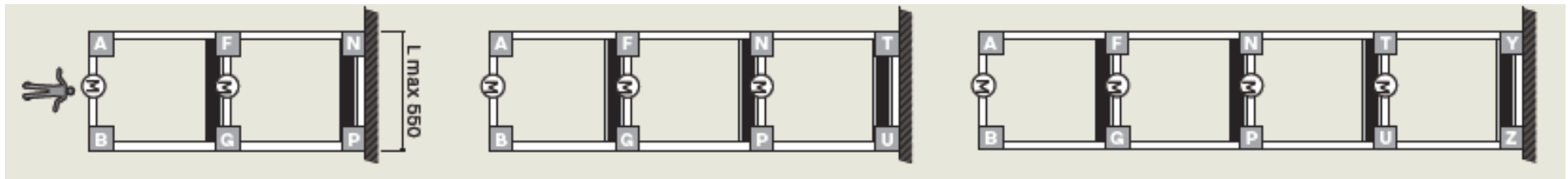
Note: Raso screens not available with RIALTO model.

RIALTO 02P : Wall Mounted con't.

SIDE VIEW
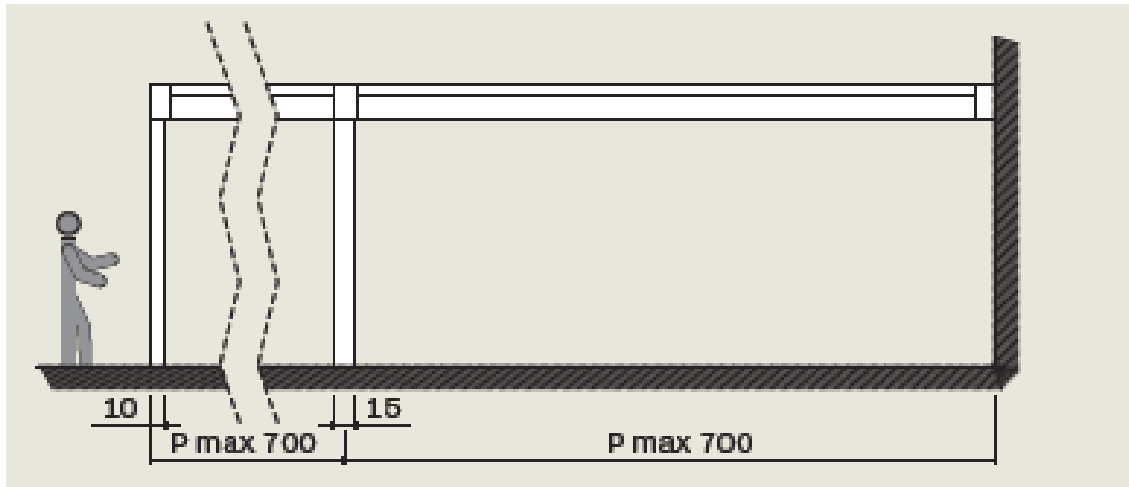
FRONT VIEW
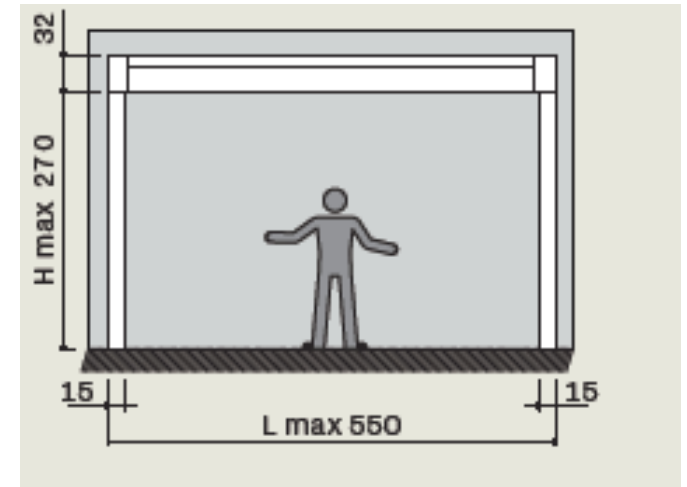
*NOTE: Maximum projection of the cover centered on post
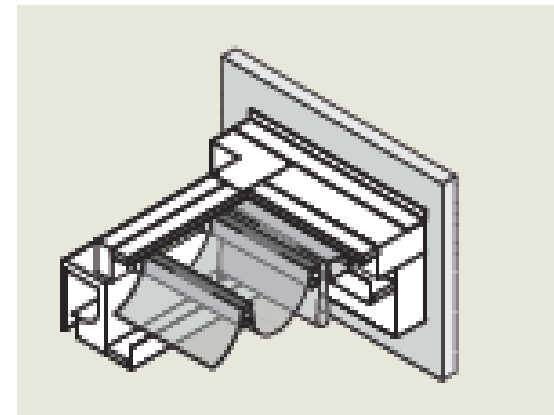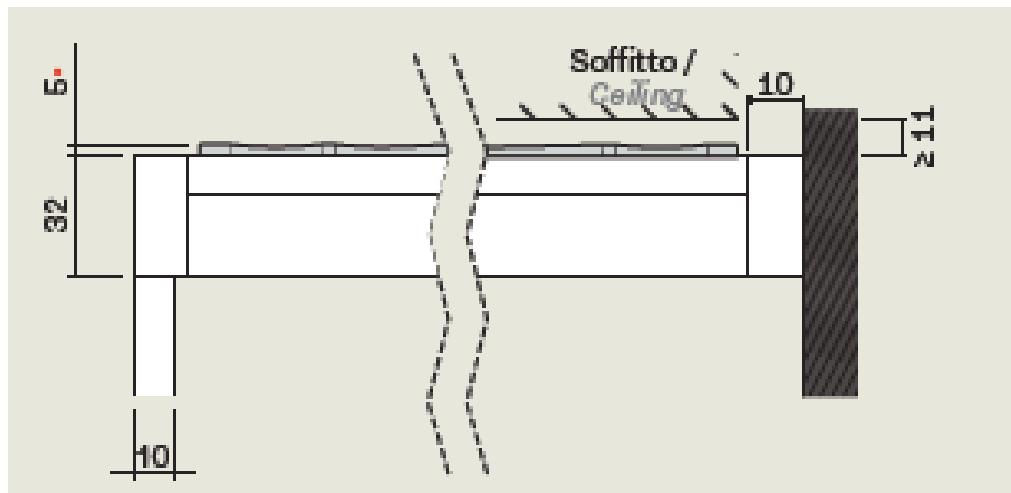
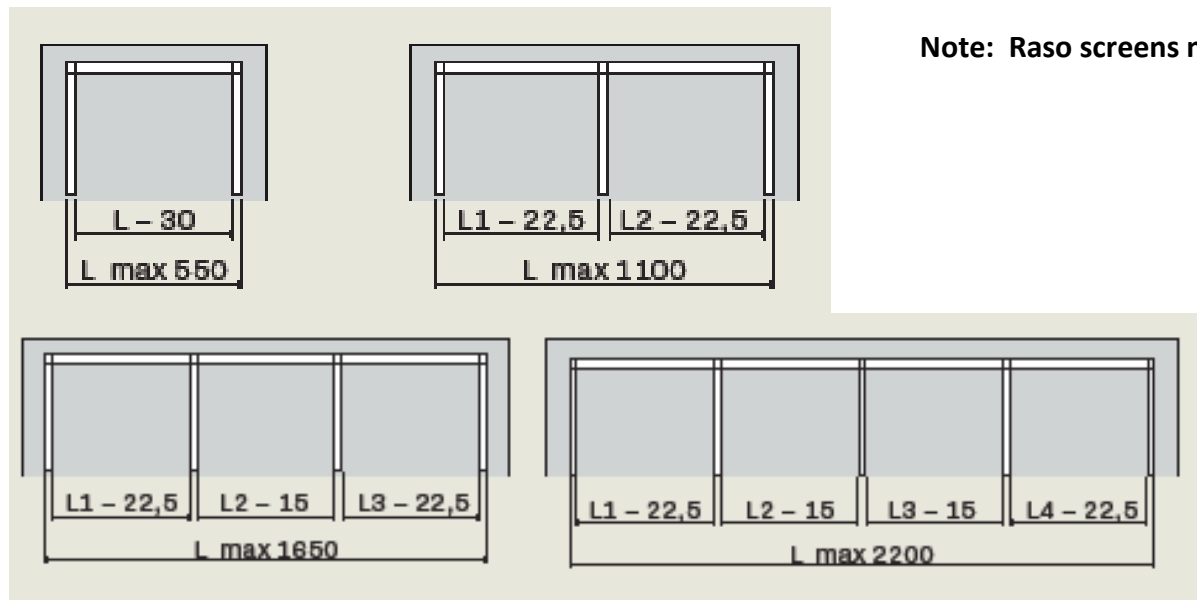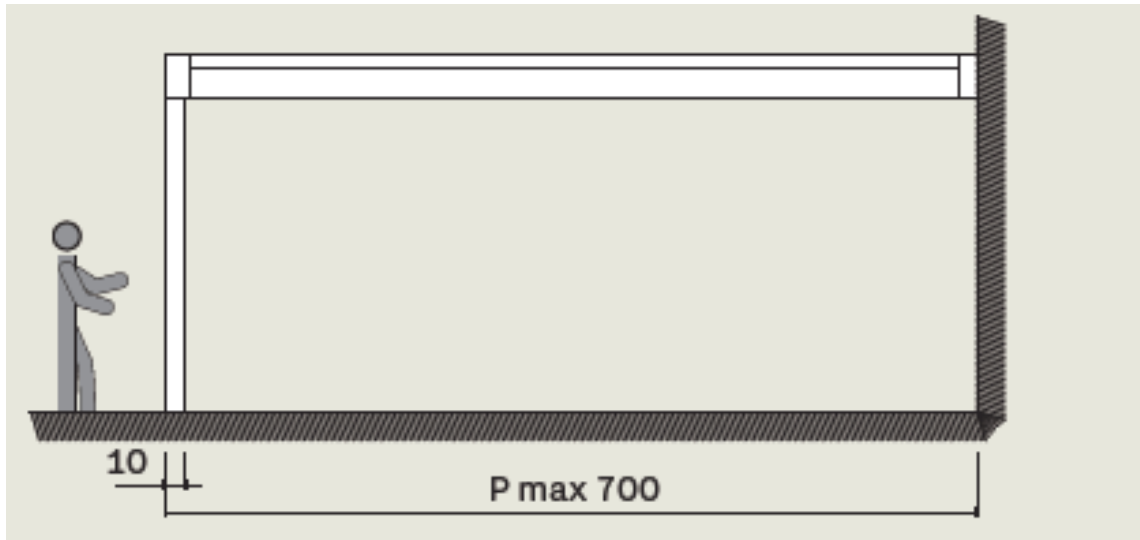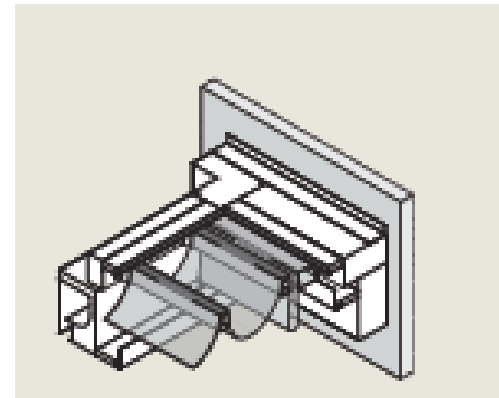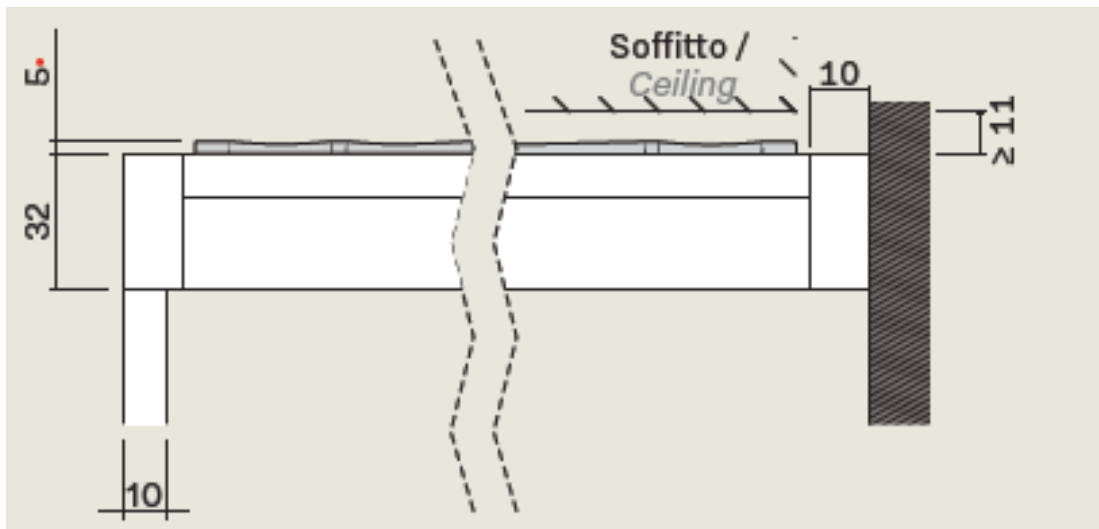*NOTE: Maximum projection of the cover centered on post at front

RIALTO 03P : Wall Mounted and if multiple Coupled on Projection side.

2M

3M

4M

Pf1 – 22,5   Pf2 – 22,5
P max 1400

Pf1 – 22,5   Pi2 – 15   Pf3 – 22,5
P max 2100

Pf1 – 22,5   Pi2 – 15   Pi3 – 15   Pf4 – 22,5
P max 2800
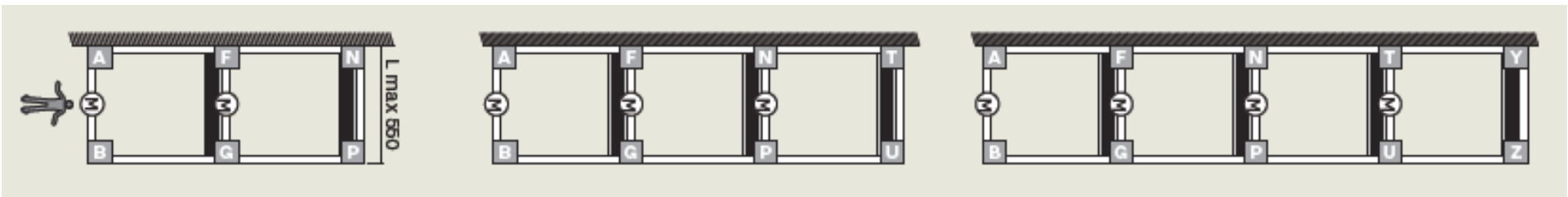
Note:

Drainage capability is reduced on this version due to one side being at the wall.
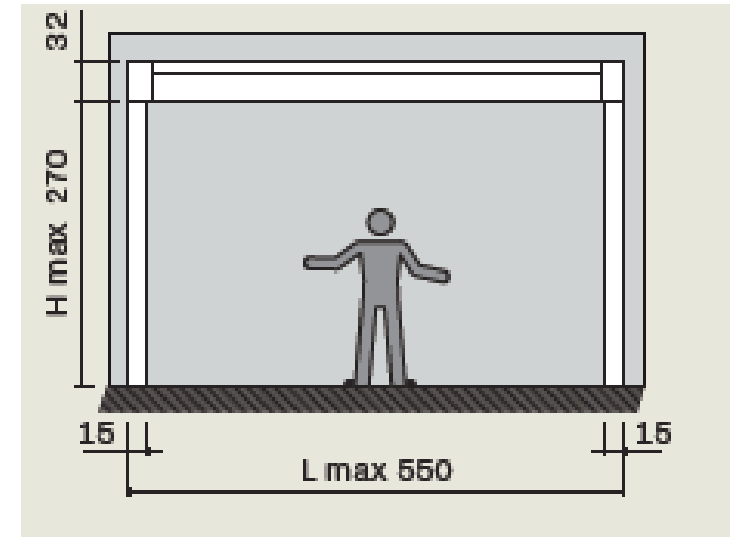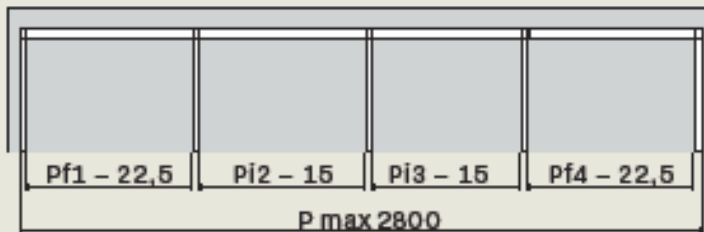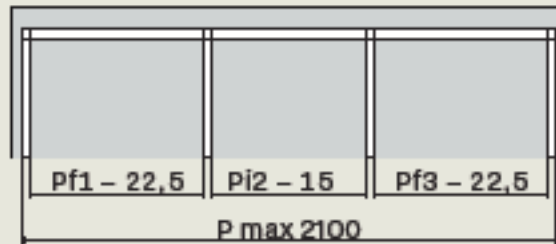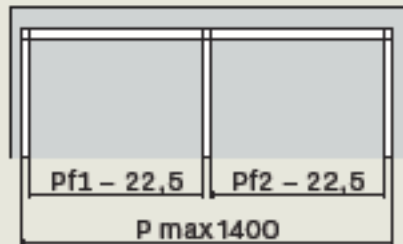
Note: Raso screens not available with RIALTO model.
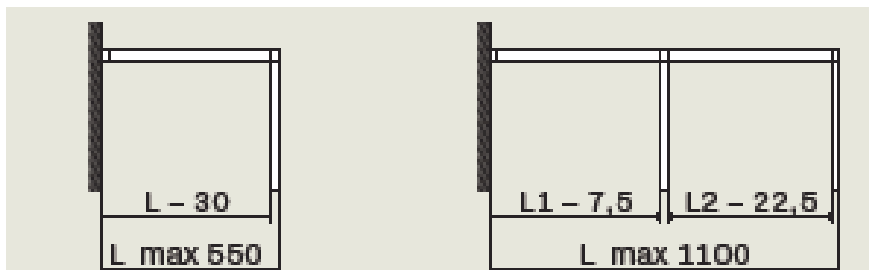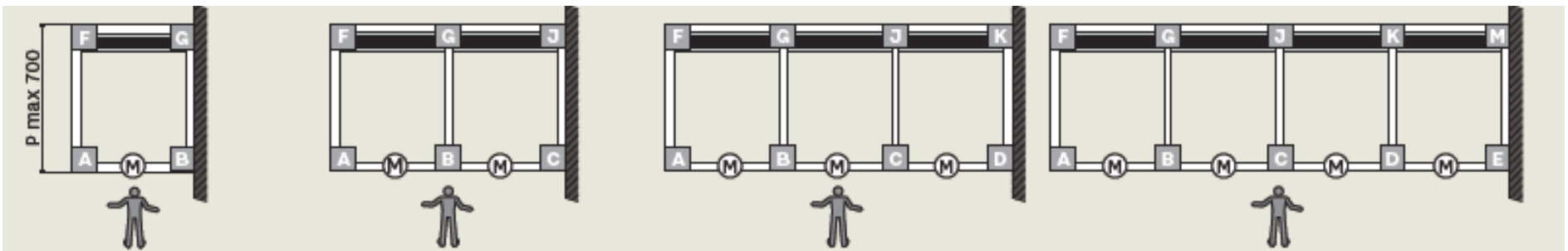
RIALTO 03P : Wall Mounted con't.

SIDE VIEW

FRONT VIEW

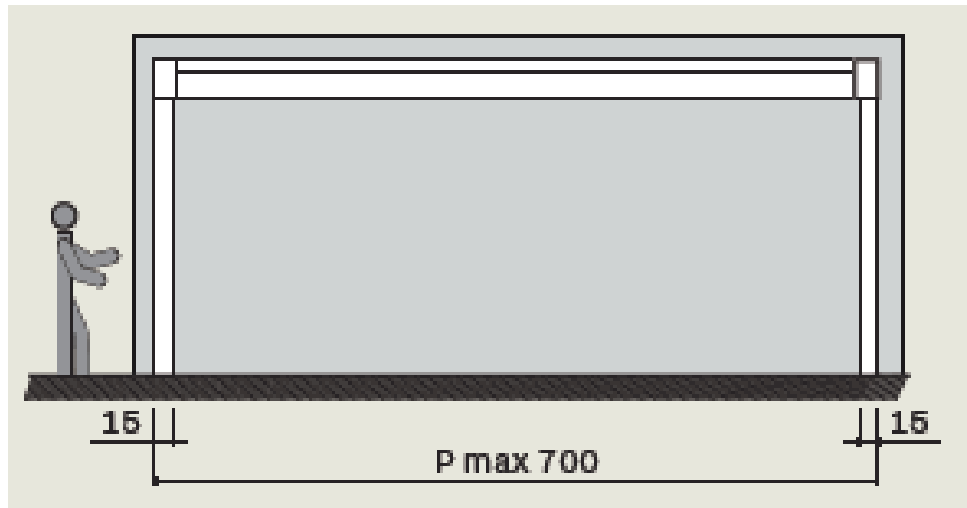10   15   10

P max 700   P max 700

32

H max 270

15

L max 550

*NOTE: Maximum projection of the cover centered on post

Soffitto / Ceiling

5

32

≥11

32

10

10

*NOTE: Maximum projection of the cover centered on post at front

RIALTO technical Details.

Supporting Box Profile Projection side
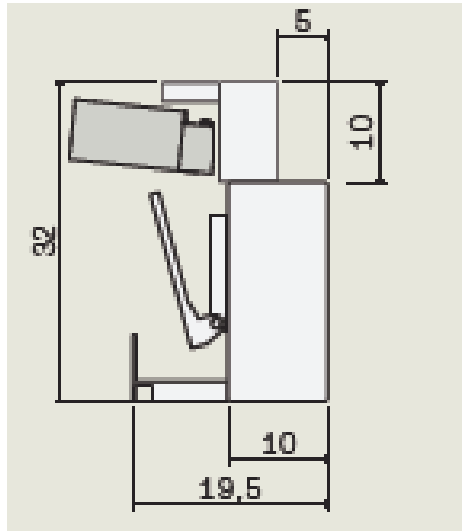
Supporting Box Profile Width side
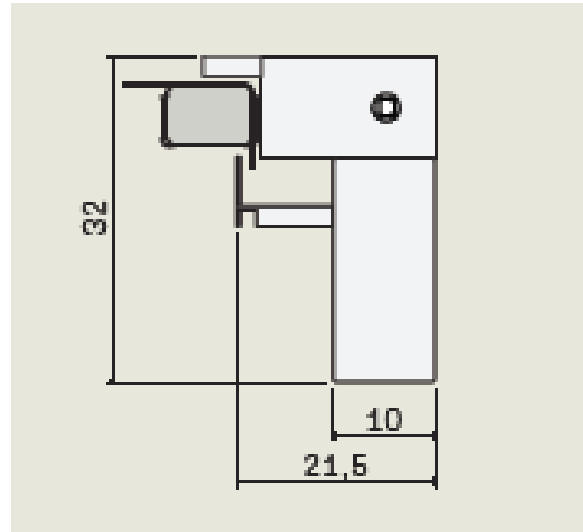
Intermediate Supporting Profile
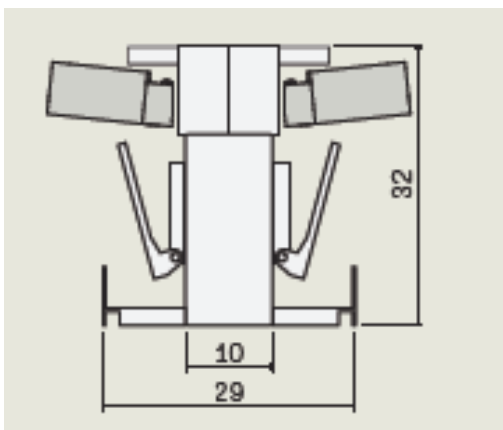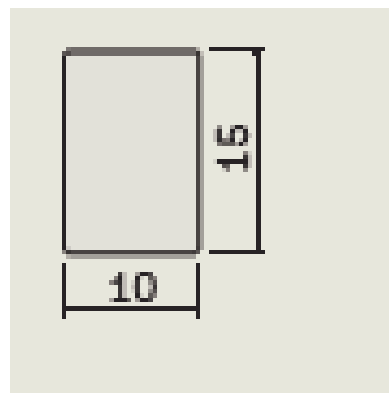
Post Profile

Wall Mounting With Profile

RIALTO More Technical Details.

Tilting Gutter

Retracting

Fully extended
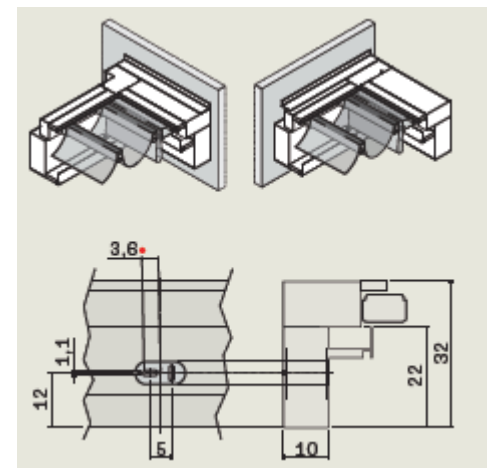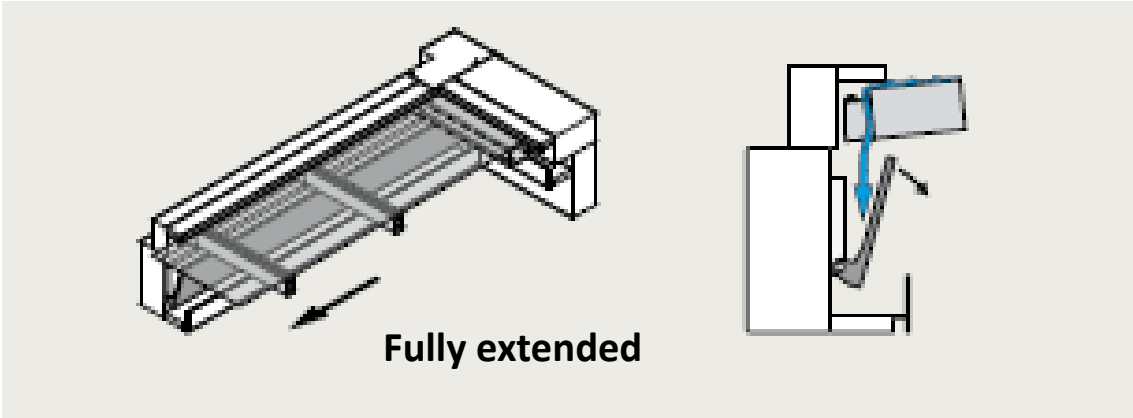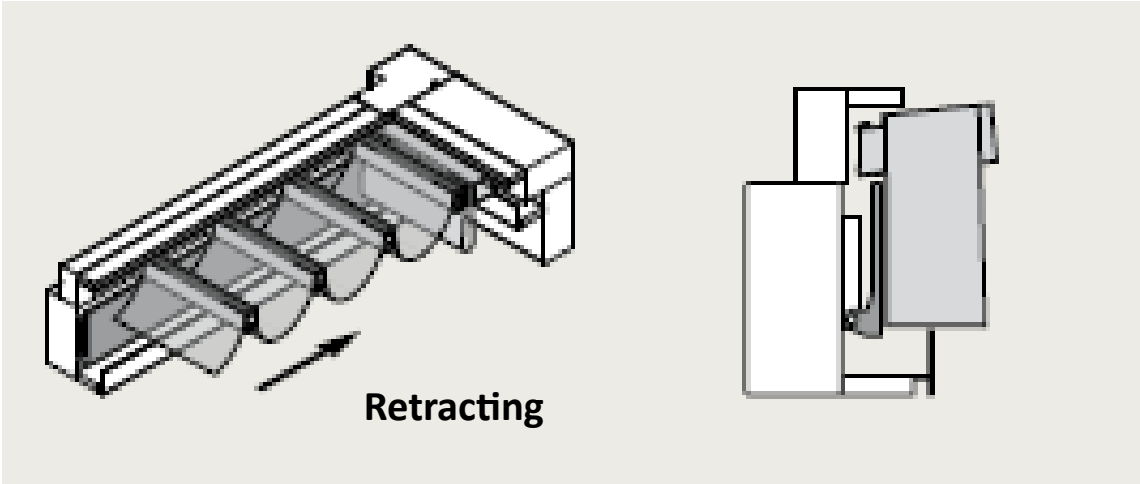
RIALTO Post options.
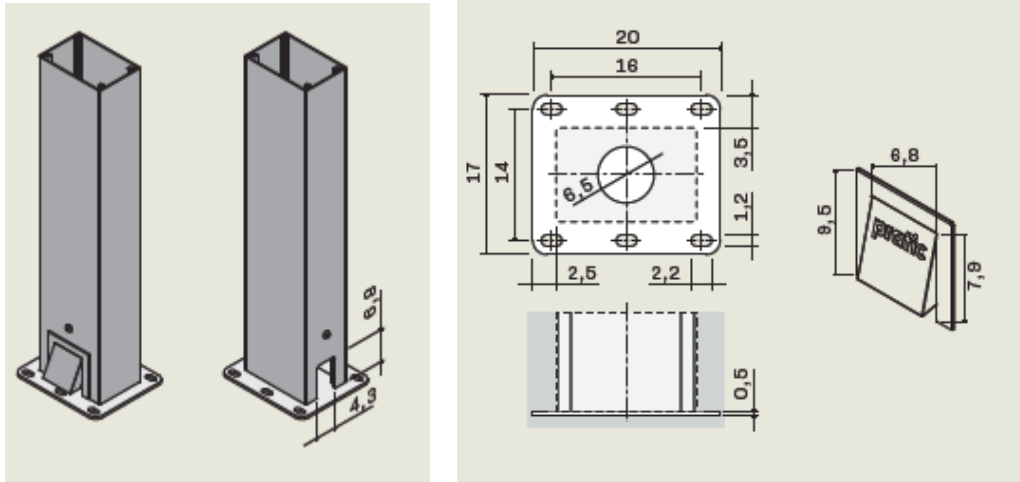
STANDARD POST & FOOT PLATE
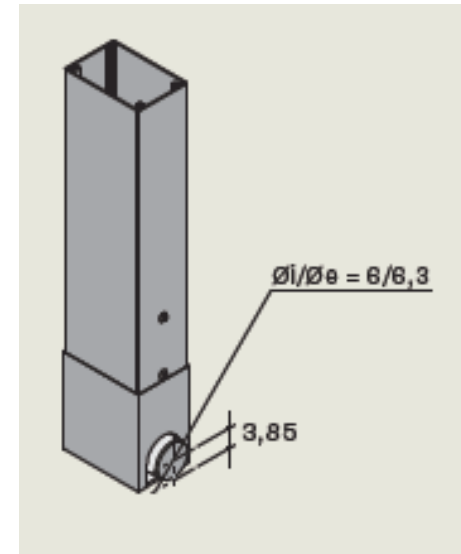
TELESCOPING FOOT PLATE

POST HEIGHTS:

Standard under gutter 90" (230 cm)

Up to 98" no additional cost. (250 cm)

Above 98" extra cost per post.

RIALTO: Max height posts 106" (270 cm)

RIALTO Post drainage options.

Front drainage option

Side drainage option

Standard   Standard
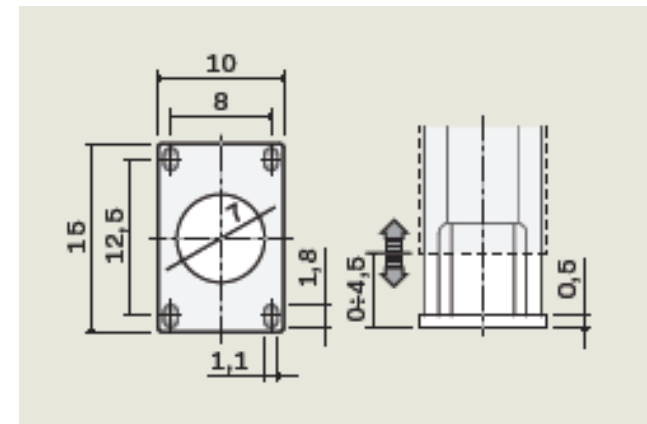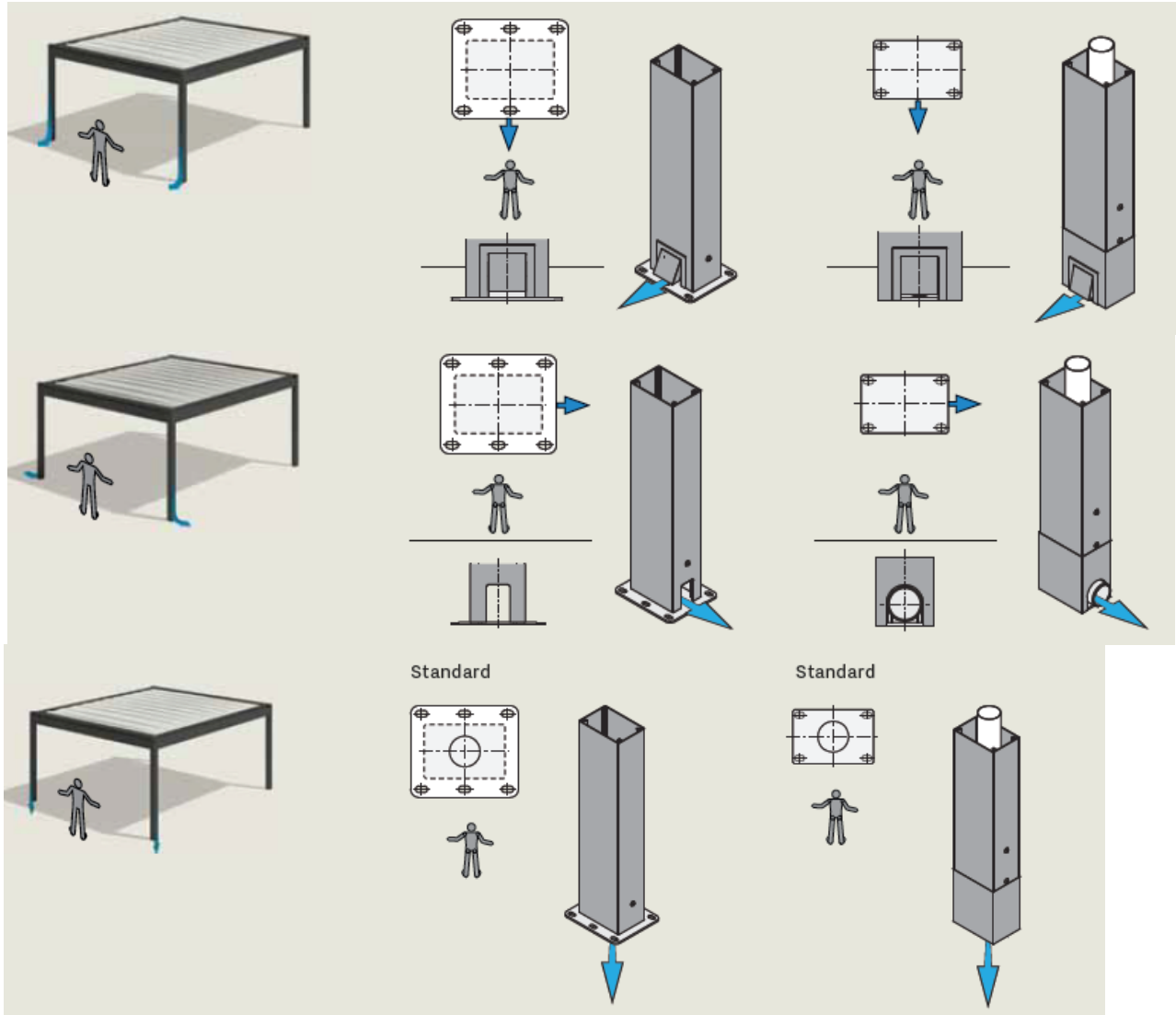
Down drainage option

NOTE: The RIALTO fabric is arched on the top so a drainage points are needed on each side of each module.
Two drainage points per module is minimum (More is better).

Post Drainage Points NOMO & RIALTO

It is best to have the unit drain out of every post on the Nomo and Rialto units.

Minimum two (2) posts must be used for drainage per "Module" or section. The drainage points must also be on opposite side of each other where water flows off the curved top. In other words , one drainage point per side that the water flows off the top fabric. Below are some examples of configurations with minimum drainage.

Example #1: If you have one unit you can have two drainage points at the front or back. You can also have it staggered as long as one is on each side of the fabric as water drains off the top.

Example #2: If you have three (3) side by side Nomo or Rialto units with 4 posts at front and 4 post at back, you will need six (6) drainage points total. Four on either front or back and then two more as per below.

NOMO
Rib & dimensional table.

# of ribs to left represent # of intermediary ribs. Add one back and one front rib also. Total # of fabric bays is one (1) less than number of total ribs including front and back.

01L / 03L

Module 1 P	# of Ribs
186,8	2
229,8	3
272,9	4
315,9	5
359,0	6
402,0	7
445,1	8
488,1	9
531,2	10
574,2	11
617,3	12
660,3	13
700,0	14

01P / 03P - 2M

Module 1 P	Module 2 P	# of Ribs
177,4	176,8	2
220,4	219,8	3
263,5	262,9	4
306,5	305,9	5
349,6	349,0	6
392,6	392,0	7
435,7	435,1	8
478,7	478,1	9
521,8	521,2	10
564,8	564,2	11
607,9	607,3	12
650,9	650,3	13
694,0	693,4	14
700,0	700,0	15

01P / 03P - 3M

Module 1 P	Module 2 P	Module 3 P	# of Ribs
177,4	167,4	176,8	2
220,4	210,4	219,8	3
263,5	253,5	262,9	4
306,5	296,5	305,9	5
349,6	339,6	349,0	6
392,6	382,6	392,0	7
435,7	425,7	435,1	8
478,7	468,7	478,1	9
521,8	511,8	521,2	10
564,8	554,8	564,2	11
607,9	597,9	607,3	12
650,9	640,9	650,3	13
694,0	684,0	693,4	14
700,0	700,0	700,0	15

02P / 03P - 4M

Module 1 P	Module 2/3 P	Module 4 P	# of Ribs
177,4	167,4	176,8	2
220,4	210,4	219,8	3
263,5	253,5	262,9	4
306,5	296,5	305,9	5
349,6	339,6	349,0	6
392,6	382,6	392,0	7
435,7	425,7	435,1	8
478,7	468,7	478,1	9
521,8	511,8	521,2	10
564,8	554,8	564,2	11
607,9	597,9	607,3	12
650,9	640,9	650,3	13
694,0	684,0	693,4	14
700,0	700,0	700,0	15

NOMO
Rib & dimensional table con't.

of ribs to left represent # of intermediary ribs. Add one back and one front rib also. Total # of fabric bays is one (1) less than number of total ribs including front and back.

02L	
Module 1	# of Ribs
P	
184,3	2
227,3	3
270,4	4
313,4	5
356,5	6
399,5	7
442,6	8
485,6	9
528,7	10
571,7	11
614,8	12
657,8	13
700,0	14

02P - 2M		
Module 1	Module 2	# of Ribs
P	P	
177,4	174,3	2
220,4	217,3	3
263,5	260,4	4
306,5	303,4	5
349,6	346,5	6
392,6	389,5	7
435,7	432,6	8
478,7	475,6	9
521,8	518,7	10
564,8	561,7	11
607,9	604,8	12
650,9	647,8	13
694,0	690,9	14
700,0	700,0	15

02P - 3M			
Module 1	Module 2	Module 3	# of Ribs
P	P	P	
177,4	167,4	174,3	2
220,4	210,4	217,3	3
263,5	253,5	260,4	4
306,5	296,5	303,4	5
349,6	339,6	346,5	6
392,6	382,6	389,5	7
435,7	425,7	432,6	8
478,7	468,7	475,6	9
521,8	511,8	518,7	10
564,8	554,8	561,7	11
607,9	597,9	604,8	12
650,9	640,9	647,8	13
694,0	684,0	690,9	14
700,0	700,0	700,0	15

02P - 4M			
Module 1	Module 2/3	Module 4	# of Ribs
P	P	P	
177,4	167,4	174,3	2
220,4	210,4	217,3	3
263,5	253,5	260,4	4
306,5	296,5	303,4	5
349,6	339,6	346,5	6
392,6	382,6	389,5	7
435,7	425,7	432,6	8
478,7	468,7	475,6	9
521,8	511,8	518,7	10
564,8	554,8	561,7	11
607,9	597,9	604,8	12
650,9	640,9	647,8	13
694,0	684,0	690,9	14
700,0	700,0	700,0	15

RIALTO
Rib & dimensional table.

of ribs to left represent # of inter-mediary ribs. Add one back and one front rib also.

Total # of fabric bays is one (1) less than number of total ribs including

01L / 02L / 03L

Module 1	# of Ribs
P	
181,9	2
224,9	3
268,0	4
311,0	5
354,1	6
397,1	7
440,2	8
483,2	9
526,3	10
569,3	11
612,4	12
655,4	13
698,5	14
700,0	15

01P / 02P / 03P - 2M

Module 1	Module 2	# of Ribs
P	P	
175,0	175,8	2
218,0	218,8	3
261,1	261,9	4
304,1	304,9	5
347,2	348,0	6
390,2	391,0	7
433,3	434,1	8
476,3	477,1	9
519,4	520,2	10
562,4	563,2	11
605,5	606,3	12
648,5	649,3	13
691,6	692,4	14
700,0	700,0	15

01P / 02P / 03P - 3M

Module 1	Module 2	Module 3	# of Ribs
P	P	P	
175,0	168,9	175,8	2
218,0	211,9	218,8	3
261,1	255,0	261,9	4
304,1	298,0	304,9	5
347,2	341,1	348,0	6
390,2	384,1	391,0	7
433,3	427,2	434,1	8
476,3	470,2	477,1	9
519,4	513,3	520,2	10
562,4	556,3	563,2	11
605,5	599,4	606,3	12
648,5	642,4	649,3	13
691,6	685,5	692,4	14
700,0	700,0	700,0	15

01P / 02P / 03P - 3M

Module 1	Module 2/3	Module 4	# of Ribs
P	P	P	
175,0	168,9	175,8	2
218,0	211,9	218,8	3
261,1	255,0	261,9	4
304,1	298,0	304,9	5
347,2	341,1	348,0	6
390,2	384,1	391,0	7
433,3	427,2	434,1	8
476,3	470,2	477,1	9
519,4	513,3	520,2	10
562,4	556,3	563,2	11
605,5	599,4	606,3	12
648,5	642,4	649,3	13
691,6	685,5	692,4	14
700,0	700,0	700,0	15

NOMO & RIALTO Dimensions con't.

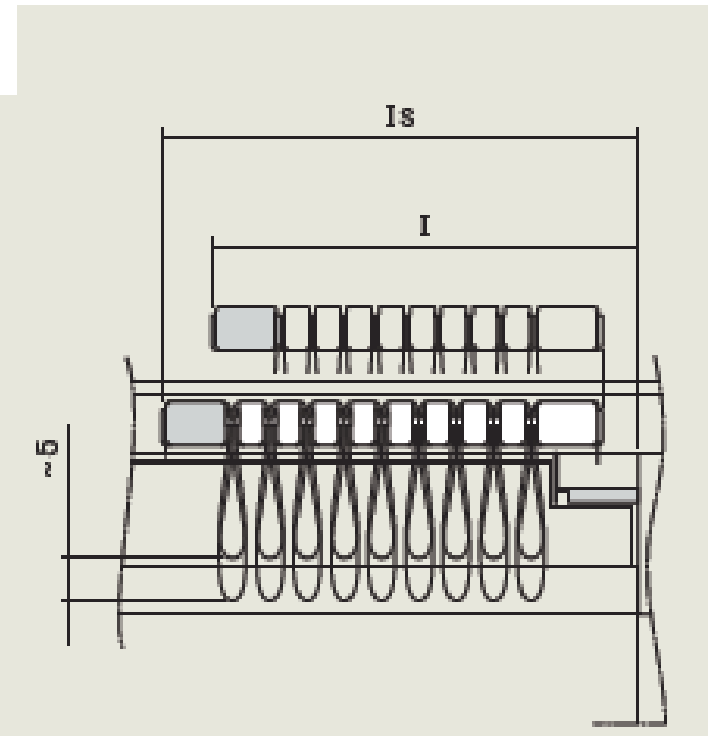| # of Ribs	Dimension +/- 1 cm	
	Without Undercover	With Undercover
2	38	39,5
3	43	45,0
4	48	50,5
5	53	56,0
6	58	61,5
7	63	67,0
8	68	72,5
9	73	78,0
10	78	83,5
11	83	89,0
12	88	94,5
13	93	100,0
14	98	105,5
15	103	111,0

# of ribs above represent # of inter-mediary ribs. Add one back and one front rib also.
Total # of fabric bays is one (1) less than number of total ribs including front and back.

LEGEND:

I =   Fabric fold without undercover

Is = Fabric fold with undercover added

Note: Undercover fabric will hang 5 cm lower when folded

RIALTO Post Location and Orientation Diagram.
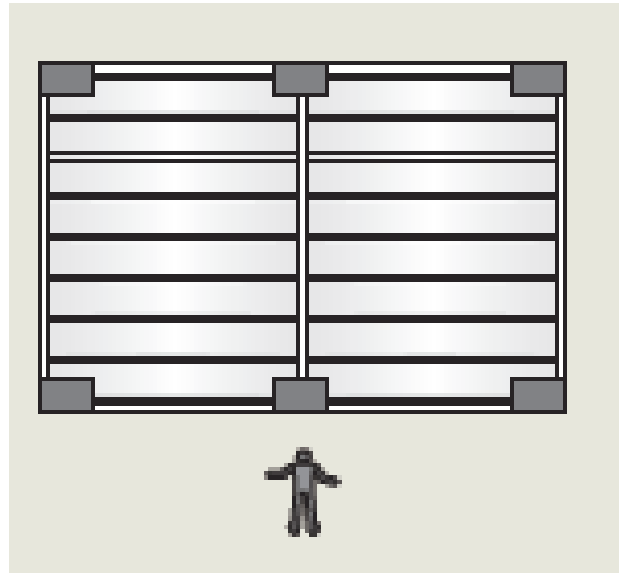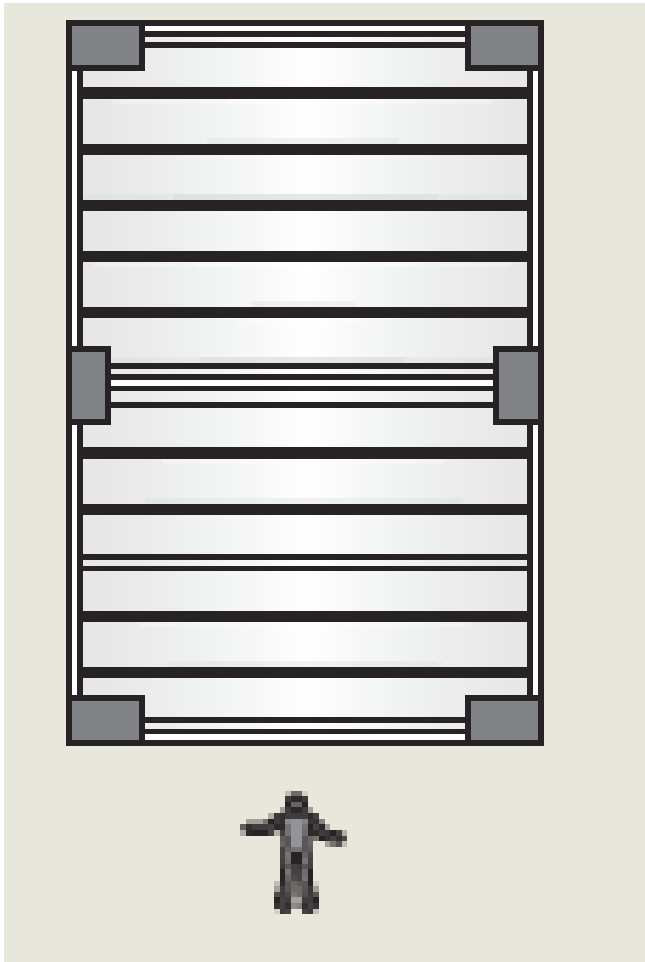
NOMO & RIALTO FABRIC DISCLAMER.

Creases in the retracted cover.

Note:

NOMO & RIALTO fabric covers when retracted may present some natural creases due to the curvature of the ribs. These phenomena cannot be subject to dispute since they cannot be avoided and they do not influence the proper functioning of the structure (See picture to the Left).

Note:

NOMO & RIALTO units with LED lighting will have wires heat sealed into the cover for the electrical connection of the LED lights. These wires must be positioned so they are visible under the fabric so they don't interfere with proper water drainage of the cover (See picture to the Left).

NOMO & RIALTO Options:

RASO ROLL DOWN ZIPPER SCREENS *For NOMO only*

Paired Raso with additional upright
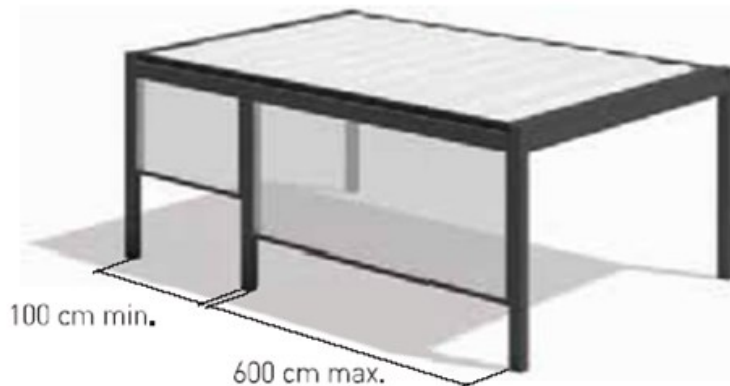

100 cm min.

600 cm max.

Note:

Maximum available Raso screen width will depend on fabric type. An additional intermediary post can be added to cover the side with multiple screens.

Optional roll down screens can be added to the NOMO model only.

Note: Raso screens are NOT available with the "Rialto" model. The screens are available with mesh fabrics and also vinyl with windows (single or double). Please inquire on window size specifications needed.

Available Fabric are:

Tempotest Para Acrylic fabric (Colors from range)
Mosquito Mesh 50% open (Grey & Black)
Soltis 86 mesh (Colors from range)
Soltis 92 mesh (Colors from range)
Ferrari 502/602 with windows (Colors from range)

Max widths available:

Mosquito Mesh: 14' 6" wide x 10' high
Soltis 86 & 92:   19'6" wide (6 m)
Para & Ferrari 502/602:   19' 6" wide (6m)
Ferrari 502/602 with windows: 13' wide (4 m)
NOTE: If NOMO projection is wider than the maximum allowable screen width above, an intermediary post has to be added at extra cost and two screens must be made in its place.   Even if you want to wall mount the NOMO, you still will need post in rear to accommodate the Raso screens.

The NOMO model can be fitted with roll down RASO zipper screens for extra weather or sun protection on all sides.   This optional screen system can be ordered with either mesh fabric, acrylic, or vinyl fabric and clear "film" windows for keeping moderate weather at bay during the winter months or rain during spring and summer months. If you only need sun protection on the sides or desire to keep mosquitos and pesky bugs at bay, our mesh fabrics will be fine.
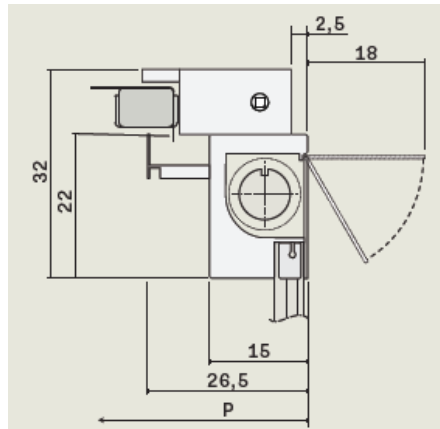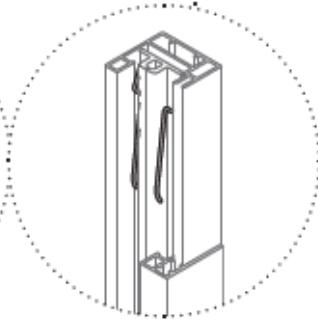
Raso screens with windows
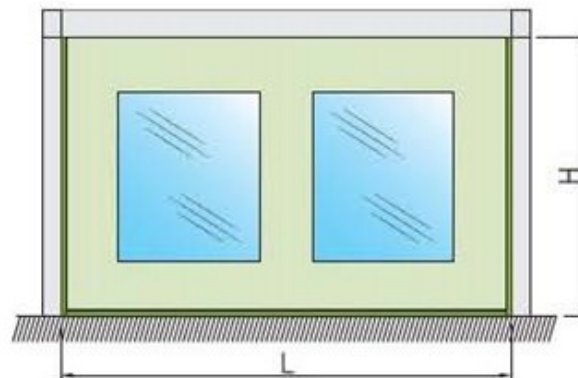
**Minimum border width around screen perimeter must be at least 25 cm
(10") when using Ferrari with windows (See illustration above)**

Raso zipper screens with mesh fabric

RASO Screens con't
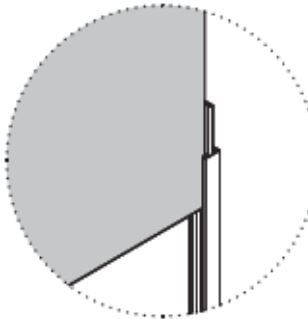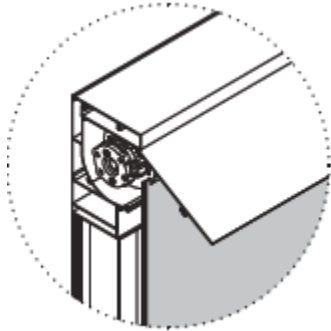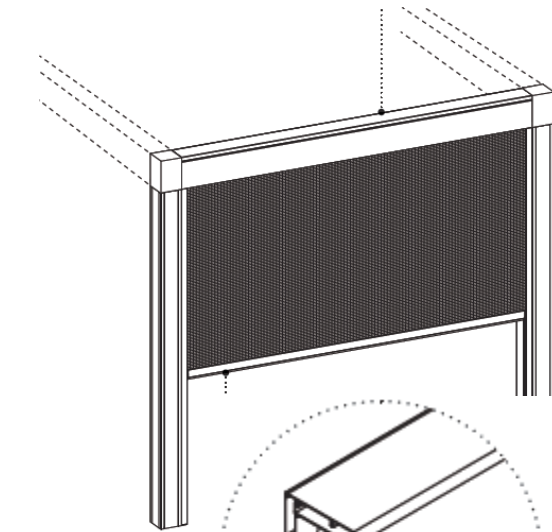
supporting profile with built-in Raso

Zip guide profile

Front profile

Post profile + Raso guide + compensator

NOMO posts with Raso Track and compensation profile added
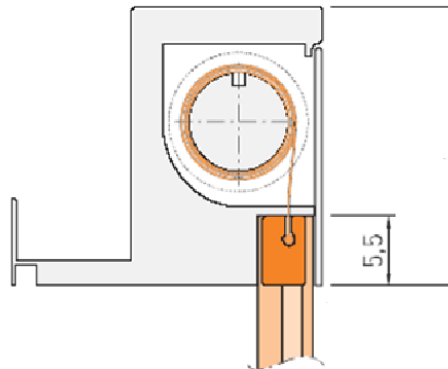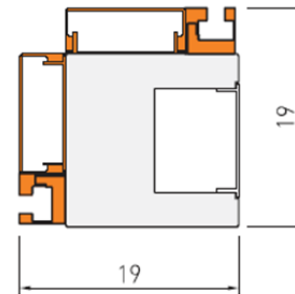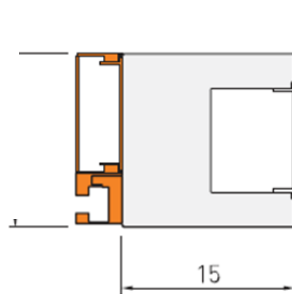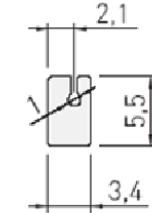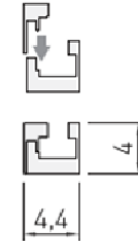
Optional Gasket at bottom of hem bar.

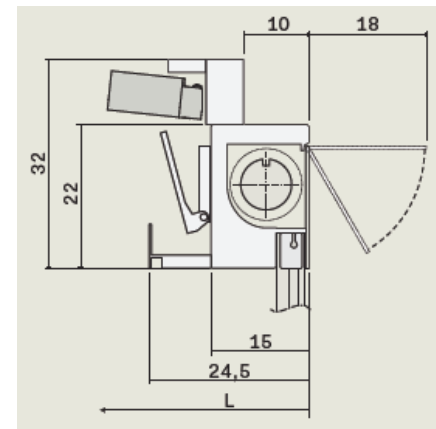# UNDERCOVERS NOMO & RIALTO

ds = d+0,5~

d = distanza rompitratta / rib distance
ds = distanza rompitratta con sottotelo / rib distance with undercover
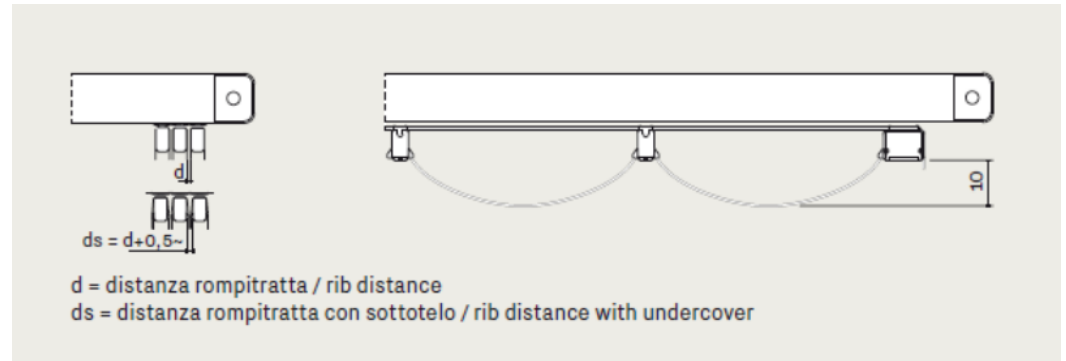
To create a nice atmosphere with the NOMO and RIALTO pergola, it is possible to apply an undercover between the ribs covering up the vinyl fabric (Available three fabric colors below).

Note: NOMO and RIALTO undercovers should be ordered with the Pergola. If ordered later, please inquire.

Color: 6006   Color: 6007   Color: 6008

PERIMITER & RIB LED LIGHTING
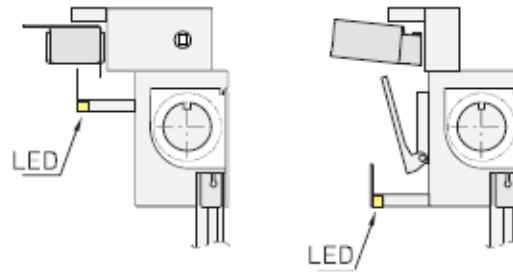
LED / WHITE only or RGB in-line lighting
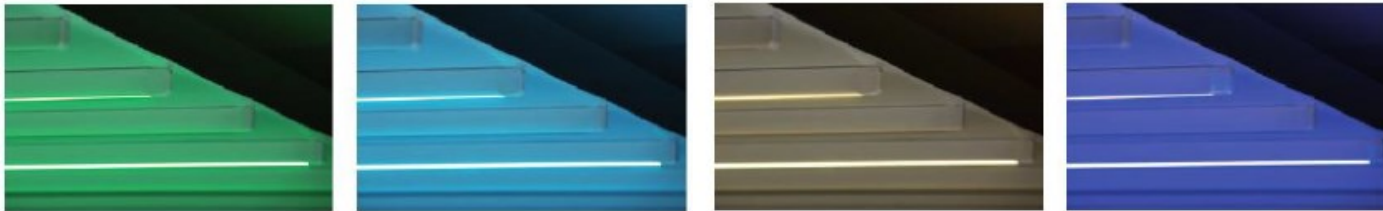
REMOTE CONTROLLED

LED / WHITE only

Or, RGB Perimeter lighting

LED In-Line configurations (NOMO & RIALTO)

LED Line position: Please refer to the number of ribs for the pergola module you desire. Maximum two (2) Led kits can be configured with each "module".   A two module unit can have two LED kits. LED kits must be ordered at time of Pergola manufacturing.
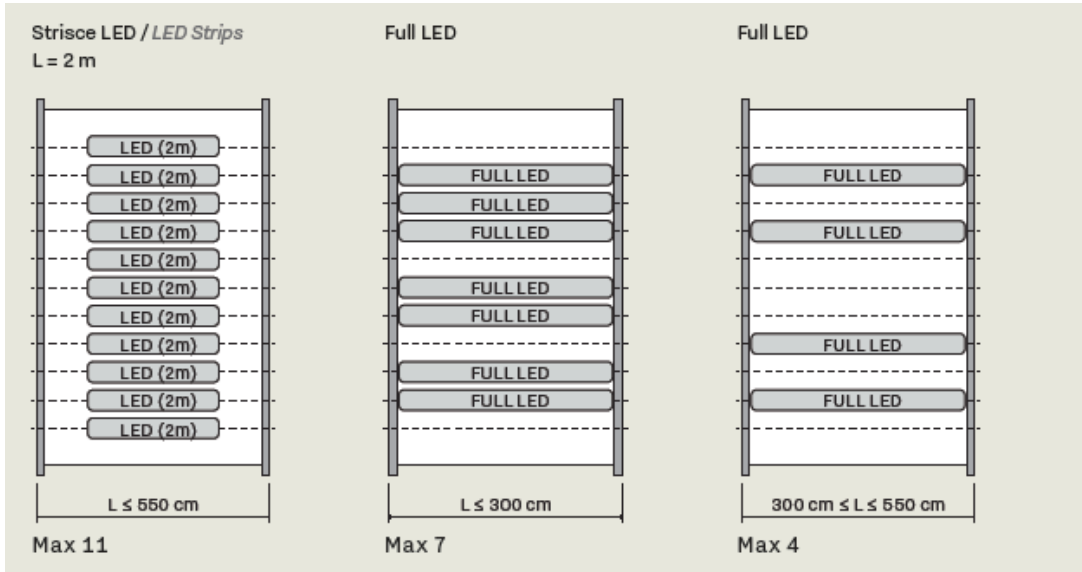
- Power Supply: 24 volts
- Light Output 420 Lumen/m
- Electrical use 14,4 W/m
- Maximum LED is 22 meter / kit
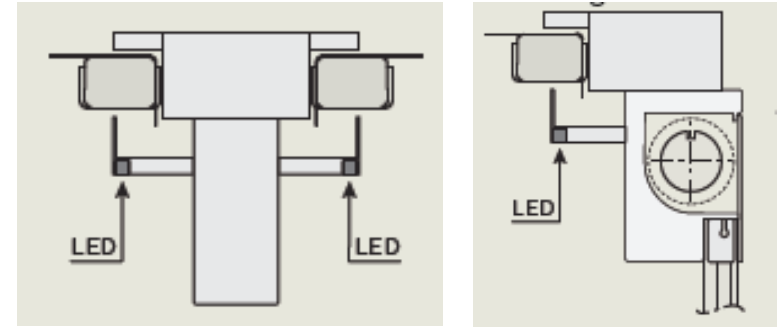
LED Perimeter configurations (NOMO & RIALTO)
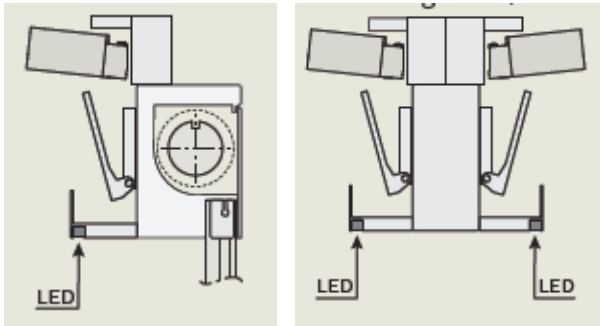
Perimeter Upright
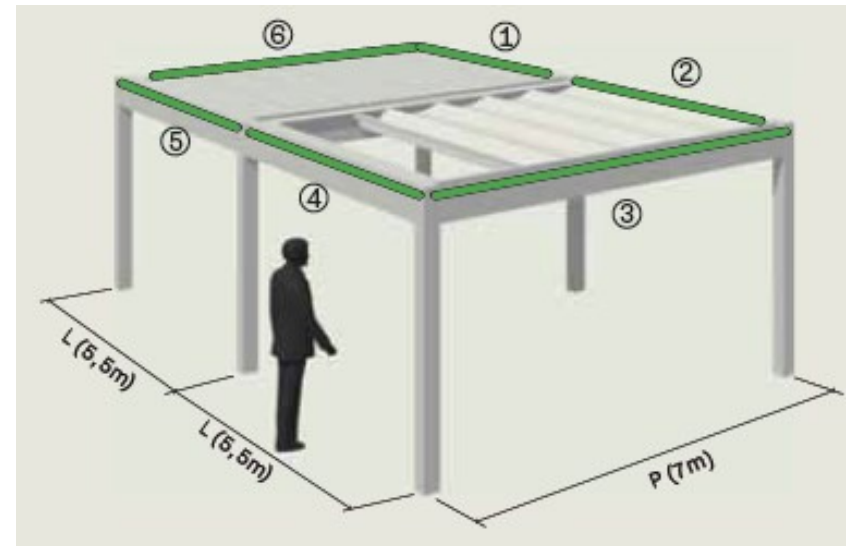
NOMO & RIALTO: More Options

Undercovers

Mesh fabric or with windows

100 cm min.

600 cm max.

RASO Side zipper screens (Nomo model only)
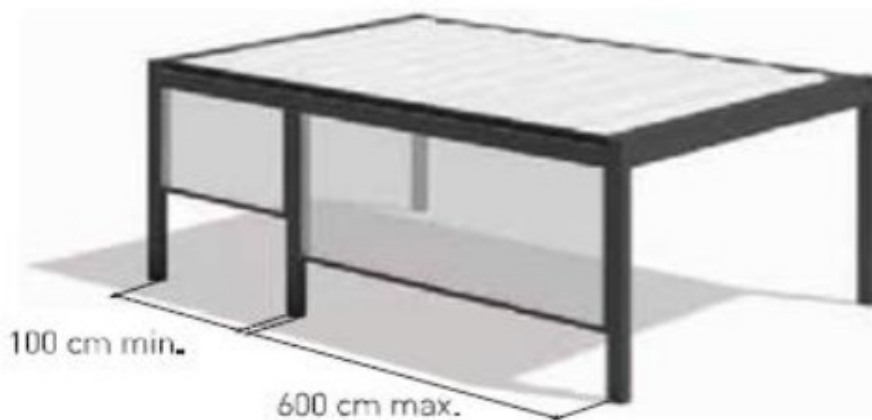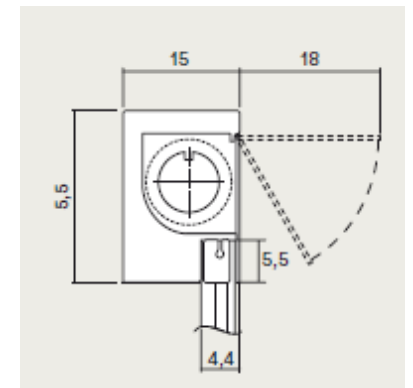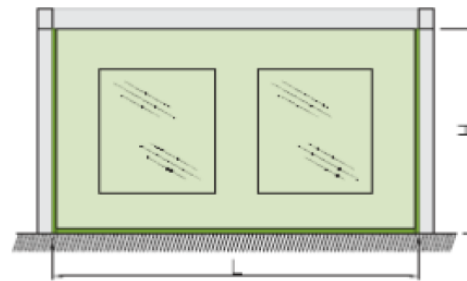
Post profile + Raso guide + compensator
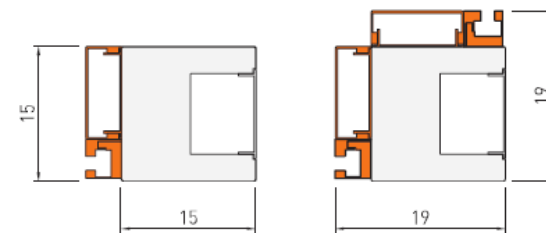
STANDARD FRAME COLORS FOR NOMO & RIALTO PERGOLA :
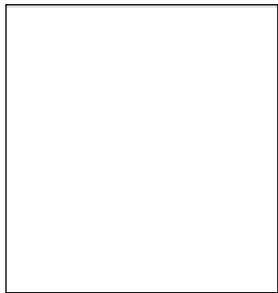
WHITE Gloss

Ral 9010
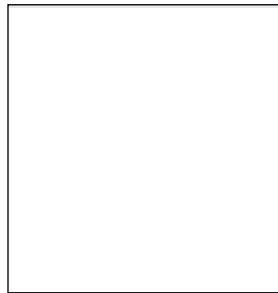
WHITE SAND

Coarse Ral 9016

IVORY SAND

Ral 1013 Coarse

IVORY / SEMI
Gloss Ral 1013
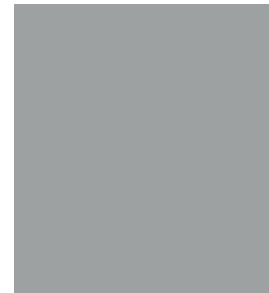
GREY SAND

Gloss Ral 9006

BRIGHT ALUM

Matt Ral 9006
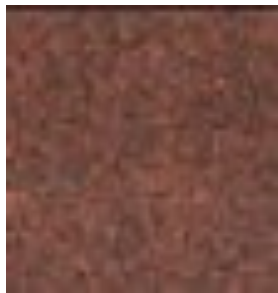
CORTEN

Coarse

IRON GREY

Coarse

OPTIONAL
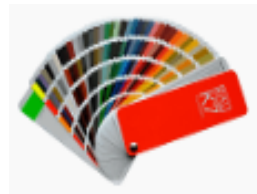
FULL RAL COLOR RANGE / EXTRA COST

NOTE: These eight (8) colors are "super durables" which offer better durability compared with standard polyesters powders.

SUNAIR®
ARCHITECTURAL STRUCTURES

NOTE: *ACTUAL FRAME COLOR MAY VARY FROM DIGITAL IMAGES*

PERGOLA STANDARD FABRIC COLORS

602 FLEX LIGHT CLASSIC / *OPAQUE COLORS*

602-8503-98"

White 602
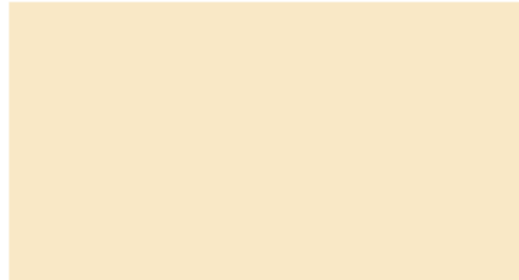
602-50020-98"

Cream 602

The Precontraint 602 fabric from Ferrari offers excellent dimensional stability with minimal stretching and exceptional dirt resistance thanks to a PVDF topcoat on both sides. The fabric is therefore perfect for use on retractable Pergola® roof awnings. The fabric is 22.1 oz/sq yard with a Glossy finish. The two standard opaque colors above are the most commonly used and is standard on all Pergola® awnings. The two above colors are opaque and do not allow light to go through the fabric. Fabrics are Fire Retardant and certificate is available.

SUNAIR®
ARCHITECTURAL STRUCTURES

Serge Ferrari
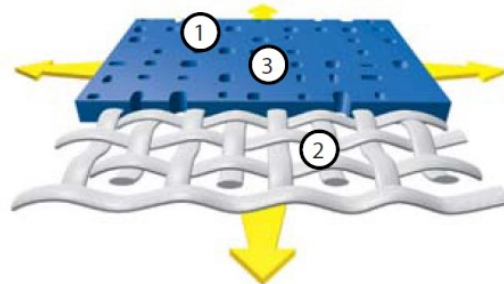
OPTIONAL PERGOLA & SCREEN FABRIC COLORS

502 PROOF SOLTIS / *OPAQUE SATIN FINISH COLORS*

The Precontraint 502 fabric from Ferrari also offers excellent dimensional stability with minimal stretching and exceptional dirt resistance thanks to a PVDF topcoat on both sides. The fabric is therefore perfect for use on retractable Pergola® roof awnings.   The fabric is 16.8 oz/sq. yard with a satin finish. Fabrics are fire retardant and certificate is available.

502V2-8102C	502V2-2171C	502V2-2168C	502V2-2167C	502V2-8450C	502V2-8341C	502V2-8861C	502V2-50265C	502V2-2135C	502V2-2141C
502V2-2138C	502V2-2012C	502V2-2148C	502V2-2137C	502V2-2158C	502V2-50668C	502V2-50669C	502V2-50670C	502V2-8056C	502V2-2156C
502V2-2152C	502V2-8255C	502V2-2150C	502V2-8204C	502V2-2172C	502V2-20185C	502V2-50674C	502V2-2166C	502V2-50671C	502V2-50675C
502V2-50672C	502V2-50676C	502V2-50270C	502V2-50673C	502V2-50677C	502V2-2160C	502V2-2161C	502V2-1125C	502V2-2157C	502V2-8284C

satin finish

Serge Ferrari

Soltis Horizon 86

Serge Ferrari
14 % Open Screen Mesh

SUNAIR
ARCHITECTURAL STRUCTURES

Raso Screen
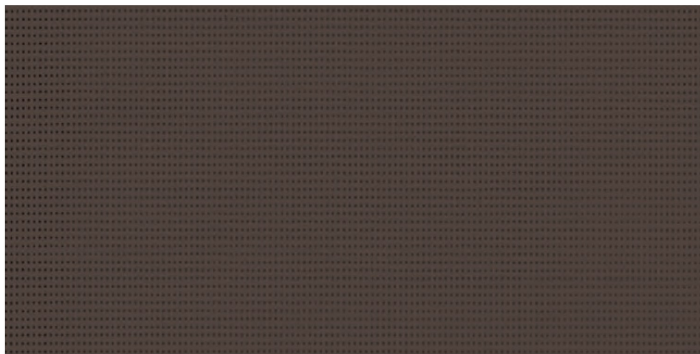
86-2043

Bronze
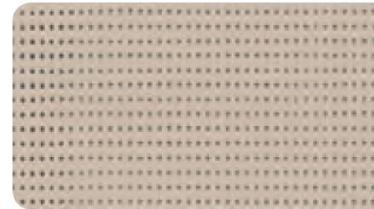
86 – 2135

Sandy Beige
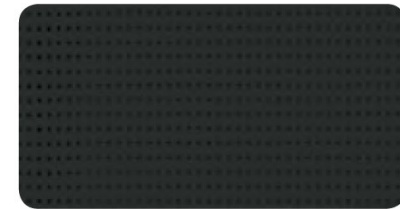
86 – 2053

Black
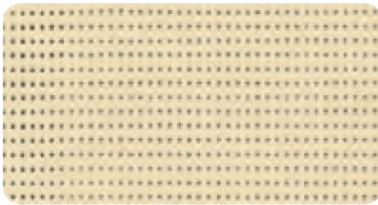
86 – 2175

Champagne
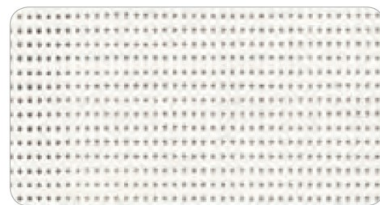
86 – 2044

White
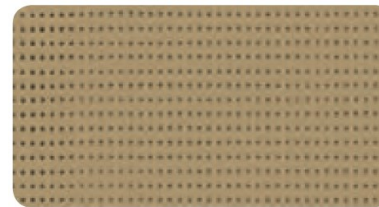
86 – 2012

Pepper
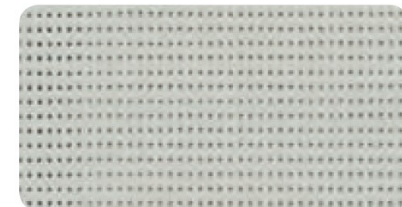
86 – 2171

Boulder

▪Technical properties

Openess factor	14%
Weight	380 g/m² — 11.2 oz/sqyd
Thickness	0.45 mm — 450 microns
Width	177 cm - 267 cm — 69.7 in. - 105.1 in.

Superior elongation and tear resistance
No deformation during processing and use
Superior aesthetic and mechanical durability
Smooth finish easy to clean, space saving, easy rolling

MOTORIZATION & AUTOMATION

ALTUS®

Note:

Opera and Vision Louvered systems uses a different Linak motor and remote.

The Sunair PERGOLA® program features SOMFY RTS motor with an integrated radio receiver that allows you to operate the awning or screen by remote control with a wall mounted or hand held remote and by a smart phone device.

With a simple click of a button on your remote, the awning or shade will extend, retract, lower or raise automatically.

1 through 16 channel wall mounted and hand held remotes are available

OUR FABRIC ROOF PERGOLA® MOTORS

Sunair uses Somfy motors and controls for their Pergola awnings in the following range

Altus 535/550 Series: Nomo, Rialto ,

<u>Note:</u> Motor type 535/550 used will depend on the size and projection of the unit.

All Somfy Motors are UL and CSA Recognized

- All SOMFY motors are UL Recognized and can be found under the following file numbers:

E60495, E60888, E63714

c**UL**us   CSA

5 year Warranty somfy

somfy. Building happiness

	550
Torque	50 Nm
Nominal Voltage	
Rated Current	2.1A
Speed	14 rpm

Type of power cable

RTS
120V AC / 60Hz
3 conductor cable

white = neutral
black = hot
green = ground

RTS
Radio Technology Somfy
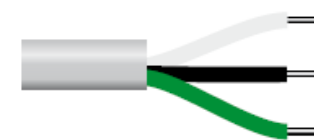
Radio Technology Somfy
Radio Technology Somfy® (RTS) allows wireless radio control of motorized applications via the RTS family of controls.

Screen motor for RASO zipper screens
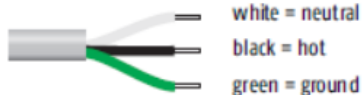

SCREEN MOTORS:

The screens are available with the <u>525 altus SOMFY</u> motor and also the 525 <u>Maestria Obstacle detection motor.</u> These motors are tubular 110 volt motors and are integrated into the Raso roller tube like a normal screen motor. Electrical wiring for the Raso screens is integrated within the gutter system and posts and all electrical connections are pre-wired within the Pergola system to one central connection point for all the electrical options and motors. The Maestria obstacle detection motor prevents fabric damage resulting from screen bunching and slipping from the guides. The motor senses and distinguishes between an actual obstacle and wind, even wind gusts, so it doesn't stop unnecessarily, resulting in fewer service calls and end user peace of mind.

Type of cable

RTS
120 V / 60 Hz
3 conductor cable

white = neutral
black = hot
green = ground

<u>Note:</u> It is recommended to use a multi channel Telis 4 remote to operate multiple screens. The Screen motors use the same RTS technology motor as all Pergola models

| Performances	525A2
Torque	25 Nm
Nominal Voltage	
Rated Current	1.6A
Speed	20 rpm
Thermal Protection	
Radio Frequency	433.42 MHz

SOLIRIS RTS 24V KIT
Sun & Wind Sensor

The Soliris RTS Sun and Wind Sensor automatically controls your RTS motorized products based on current weather conditions.

ONDEIS® WIREFREE
Sun & Rain Sensor

The Rain Sensor is a solar-powered combined rain and sun sensor compatible with Radio Technology Somfy® motorized exterior products, including awnings and screens.

RED
BLACK
GREEN
WHITE

Programming Button
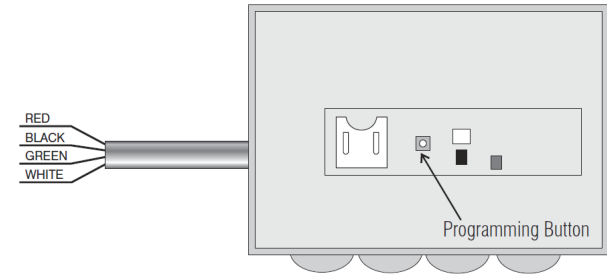
DRY CONTACT INPUT RTS TRANSMITTER

Dry Contact to RTS interface can be used to communicate between home automation or other third party systems like fire alarms to retract screens in an emergency. Can be interfaced with a physical switch.

The Somfy myLink™ is a simple device that turns your smartphone or tablet into a sophisticated remote control for motorized products featuring Radio Technology Somfy®, allowing you to operate them whether you're home or not. Combine all the benefits of Somfy's RTS hand-held remotes and timers in a convenient app.
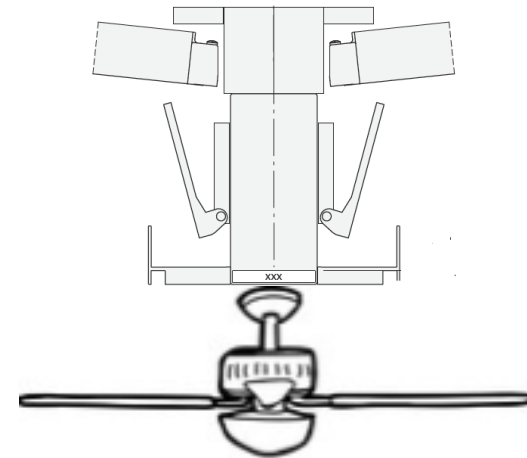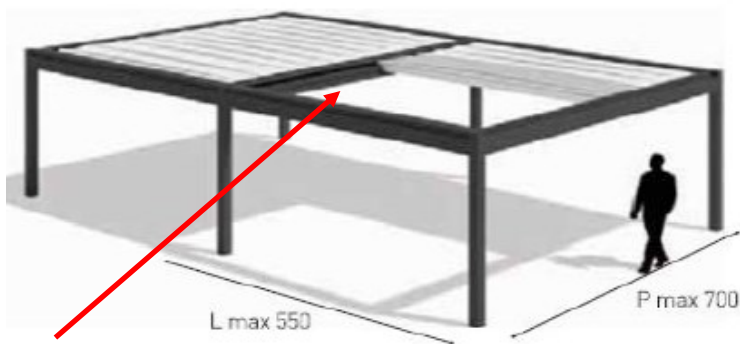

amazon alexa

somfy
myLink™

FAN: Adding a fan to following models:

NOMO, RIALTO, BRERA, VISION, and OPERA

Fan not included and by customer

MULTI MODULE PERGOLAS

L max 550   P max 700

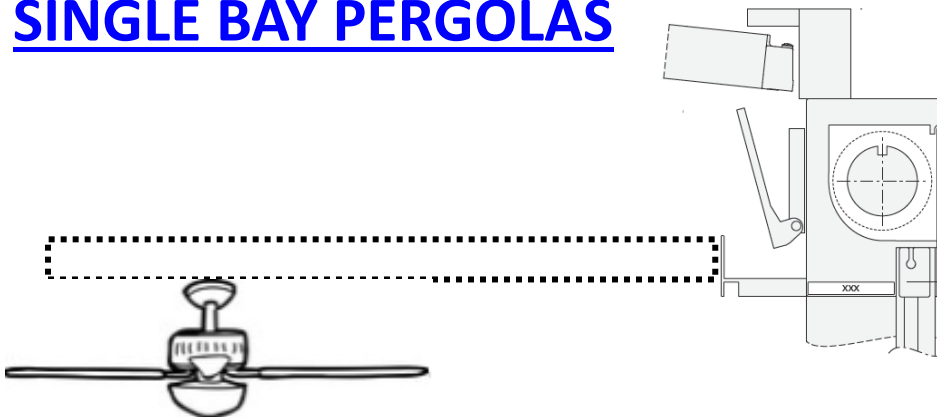**Fan Can be mounted Here in between each module**

SINGLE BAY PERGOLAS

Mount a "Fan Bar" on the width side between gutters

Note: Max unit width 18 ft per module. **Fan bar must run along the width of each module and separately wired.**

HEATERS COSY SERIES   *1500 AW* Sleek, Low clearance, infrared

Sunair® awnings do not specify any particular brand of heaters but we do offer the Solaira brand as a convenience and as "supply" only.   As supply only all warranty is per the Manufacturer (Solaira). Please see separate manufacturers installation, use, servicing and warranty documents.   Mounting and wiring the heaters on the Pergola units is not included and will be the responsibility of the dealer / customer in the field during installation. Check your local codes for correct wiring instructions. All heaters should be installed by a certified electrician to local state electrical codes. See separate manufacturer's data sheet and wiring instructions.   If you purchase your own heaters, make sure that the heater brand and model you chose can be installed within the pergola unit to code.   Aluminum Brackets to install the heaters on the awning are sold separately. <u>Note: Sunair® awnings can only make suggestions but will not be responsible or warranty the performance and the effectiveness of the heaters. Check with the manufacturer of the heaters for the recommended number of heaters for your application and best installation position of the heater for best results.</u>

Solaria Heaters con't

Note: Specifier / Customer must contact Solaira directly for recommended heater number and location.

HEAT COVERAGE PATTERN
Wall mounted
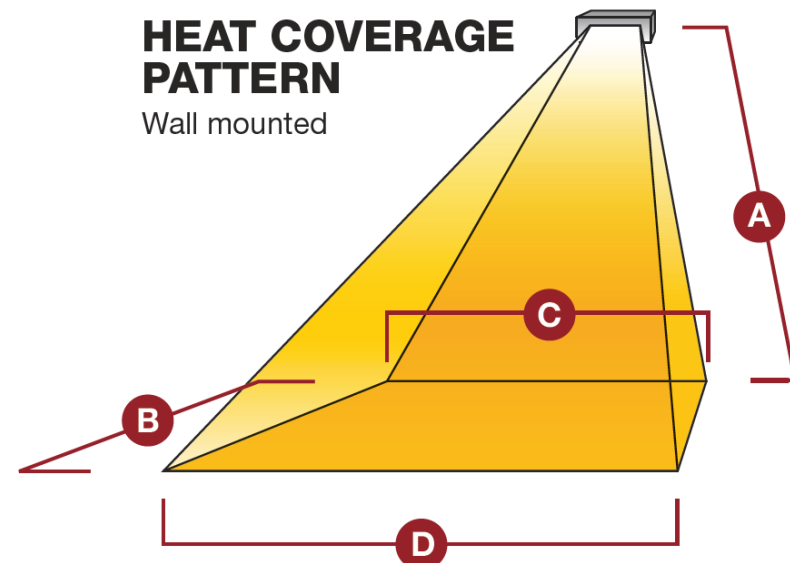
HEAT COVERAGE EXAMPLES

Model	A	B	C	D	Heat Zone*	Heat Density*
SCOSYAW15120 B/W	6´7˝	8´	8´	10´	70 SQ FT	18 WATTS/SQ. FT
SCOSYAW15240 B/W	6´7˝	8´	8´	10´	70 SQ FT	18 WATTS/SQ. FT

* Heat Zone and actual heat density will vary based on mounting height and angle of heater (Overhead mounted heat zones will be different then this guide). Please use this as a guideline only and contact Solaira for a more detailed specifier guide.

*Heat Zone and actual heat density will vary based on mounting height and angle of heater (Overhead mounted zones will be different than this guide). Please use this as a guideline only and contact Solaira for a more detailed specifier guide.

Solaria COZY Series Heaters con't

240 VOLT: 1.5Kw 208 - 240 V

Heater Model Black # SCOSYAW15240B   Ral:9005

Heater Model White # SCOSYAW15240W Ral:9010

Controller #SPASCR90

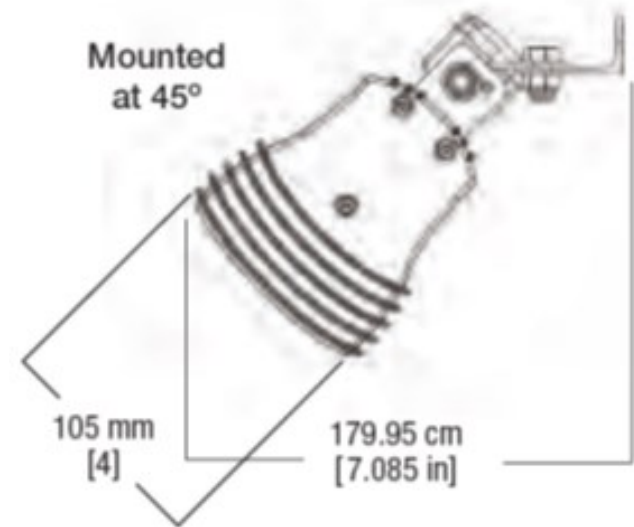One controller will operate up to <u>12</u> heaters

110 VOLT: 1.5Kw 120V

Heater Model Black # SCOSYAW15120B   Ral: 9005

Heater Model White # SCOSYAW15120W Ral:9010

Controller #SPASCR90

One controller will operate up to <u>7</u> heaters

Mounted at 45°

105 mm [4]

179.95 cm [7.085 in]

<u>NOTE:</u>

Maximum 7 ea. 110 volt heaters can be used per controller.

Maximum 12 ea. 240 volt heaters can be used per controller.

aura™

INFRARED PATIO HEATER

ADVANCED LOW-LIGHT, LOW-GLARE CARBON FIBER EMITTER TECHNOLOGY

IP65 rated water resistant

AVAILABLE IN TWO MODELS

CF3000 3000W, 240V
CF1500 1500W, 120V

- Adjustable wall and ceiling mounting brackets included*
- Durable extruded aluminum construction
- Virtually maintenance-free
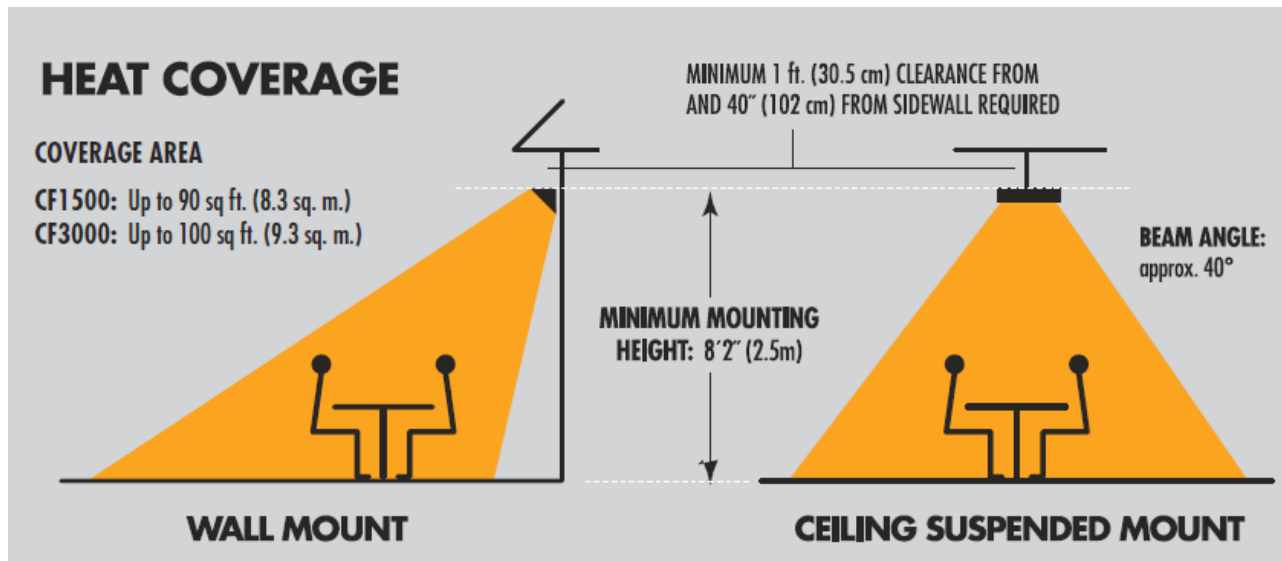- Instant heat, warm ambient glow
- Safe and odorless

Includes convenient remote control

Wall and ceiling brackets Included*

AURA CF3000 Carbon 3000W BLACK 208 - 240 VOLT: **Model # CF302408**
AURA CF1500 Carbon 1500W BLACK 120 VOLT: **Model # CF151208**

HEAT COVERAGE

COVERAGE AREA

CF1500: Up to 90 sq ft. (8.3 sq. m.)
CF3000: Up to 100 sq ft. (9.3 sq. m.)

MINIMUM 1 ft. (30.5 cm) CLEARANCE FROM
AND 40″ (102 cm) FROM SIDEWALL REQUIRED

BEAM ANGLE:
approx. 40°

MINIMUM MOUNTING
HEIGHT: 8′2″ (2.5m)

WALL MOUNT

CEILING SUSPENDED MOUNT

Note:

Specifier / Customer must contact Solaira directly for recommended heater number and location.

CARBON FIBER EMITTER

Aura Carbon Fiber emitter lamps are manufactured with extremely strong and lightweight woven carbon fibers. When energized, the carbon fiber produces a soft, ultra-fast warming medium/short wave infrared, radiant heat.

*Heat Zone and actual heat density will vary based on mounting height and angle of heater (Overhead   mounted zones will be different than this guide). Please use this as a guideline only and contact Solaira for a more detailed specifier guide.

REMOTE CONTROL

RANGE: UP TO 19.5 ft. (6 m)

INCLUDES **ON/OFF** BUTTONS WITH **6 HEAT SETTINGS:**
33% - 50% - 66% 80% - 88% - 100%

REQUIRES 2x AAA, 1, 5V NOT INCLUDED

CF1500

WEIGHT: 10lbs (4.5kgs)

27" (68.58cm)

W 6.5" (16.5cm)

CF3000

WEIGHT: 14.3 lbs. (6.5 kg)

38.6" (98cm)

W 6.5" (16.5cm)

The AURA heaters is a more economical heater that simply plugs in to an outlet (110 volt version). This heater does not require a control box. The remote control is included in the price. Simply aim the remote towards the heater and you can custom set the heat from 1 - 6 on heat scale.

ETL LISTED Intertek
c   us

RoHS COMPLIENT

IP65
DUST RAIN WATER-JET PROOF
ÉTANCHE À LA POUSSIÈRE, À LA PLUIE ET AUX JETS D'EAU
POLVO, LLUVIA, PRUEBA DE AGUA-JET

* affixing hardware (screws/bolts/wall anchors not included and to be supplied by installer to suit application)

SPECIFICATIONS

EXTRUDED ALUMINUM CONSTRUCTION

INCLUDES: CEILING AND WALL MOUNT BRACKETS*, REMOTE CONTOL, 12 ft. (4.87 m) OF cETLus APPROVED, OUDOOR RATED CABLE

'ON/OFF' SWITCH ON DEVICE

W 6.5" (16.5cm)

H 5.9" (14.9 cm)

UP & DOWN Glass Walls Options

Up
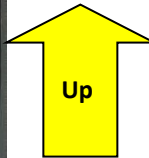
Down

The Up & Down model is made up of two sections, one stationary and one mobile. A simple key is used to lock and release the module. To raise, release window with the key and the spring loaded module will slowly rise on its own.

Standard and

custom widths available.
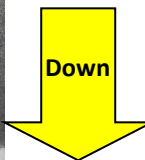
The Up and Down model of our glass window dividers can be customized to match your color scheme or even display your logo! The base aluminum colors are White and Iron Grey colors. Virtually any color and design graphic motifs can be added to the glass to showcase your restaurant's unique style. Other models are also available.

Installations

SET FLOORING :

PRODUCT FEATURES:

- **Platform decking designed to be integrated with Bioclimatic Pergolas like Opera, Vision, Brera, Nomo, and Rialto.**

- **Sits on an existing supported concrete floor.**

- **Made to fit Pergola awning system.**

- **Assembled in place.**

- **Can be fitted with different flooring types.**

SUNAIR ®
ARCHITECTURAL STRUCTURES

SET FLOORING cont'
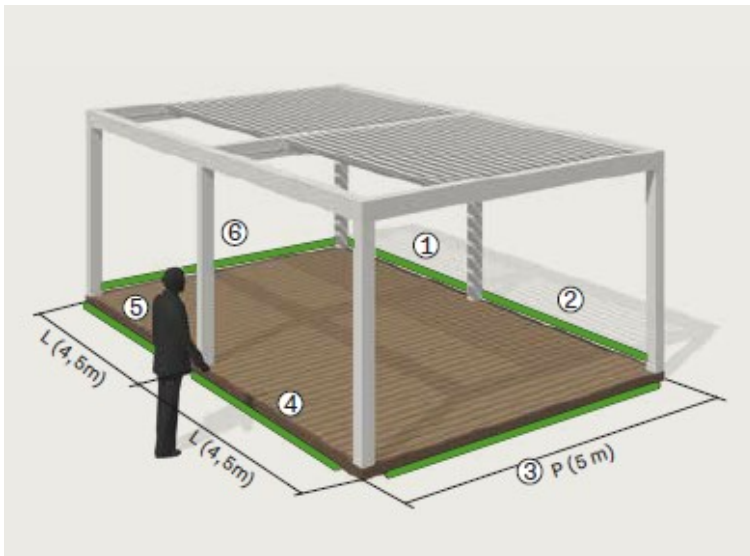
OPTIONAL: LED Lighting added
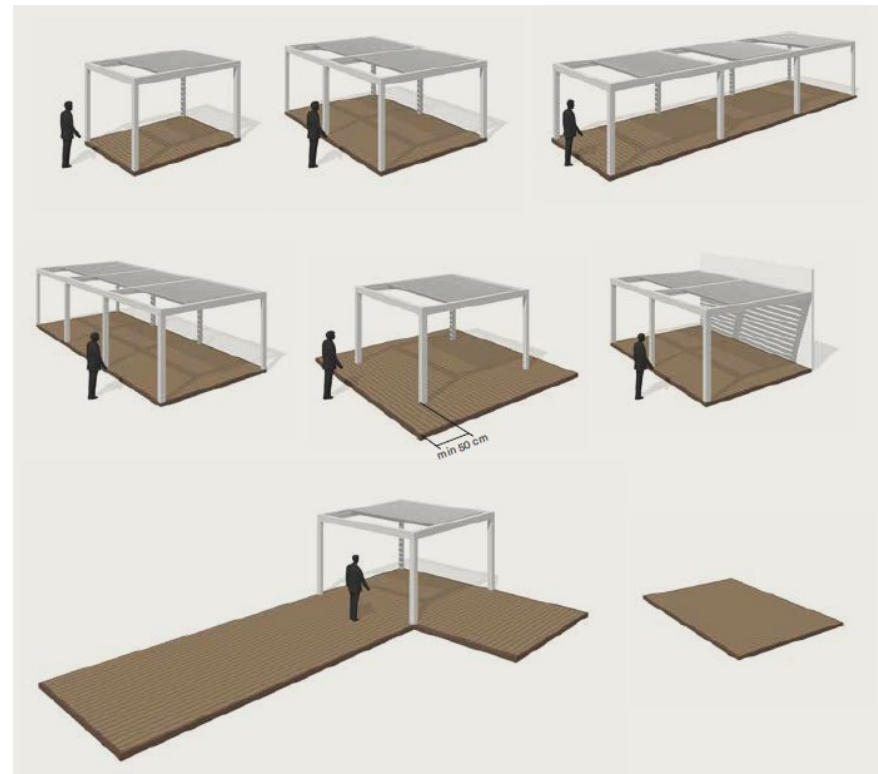
SLIDE GLASS Options for Pergolas:
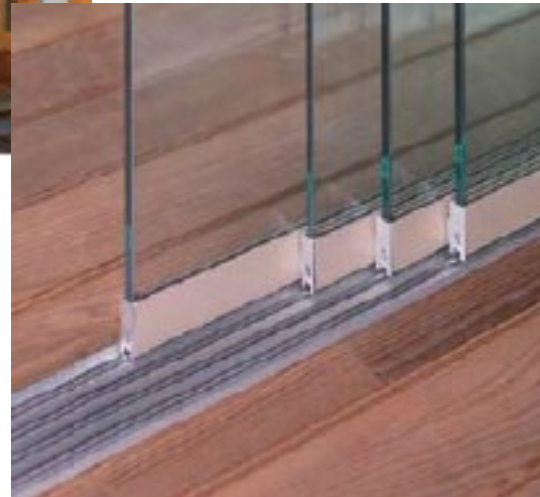
More Installations
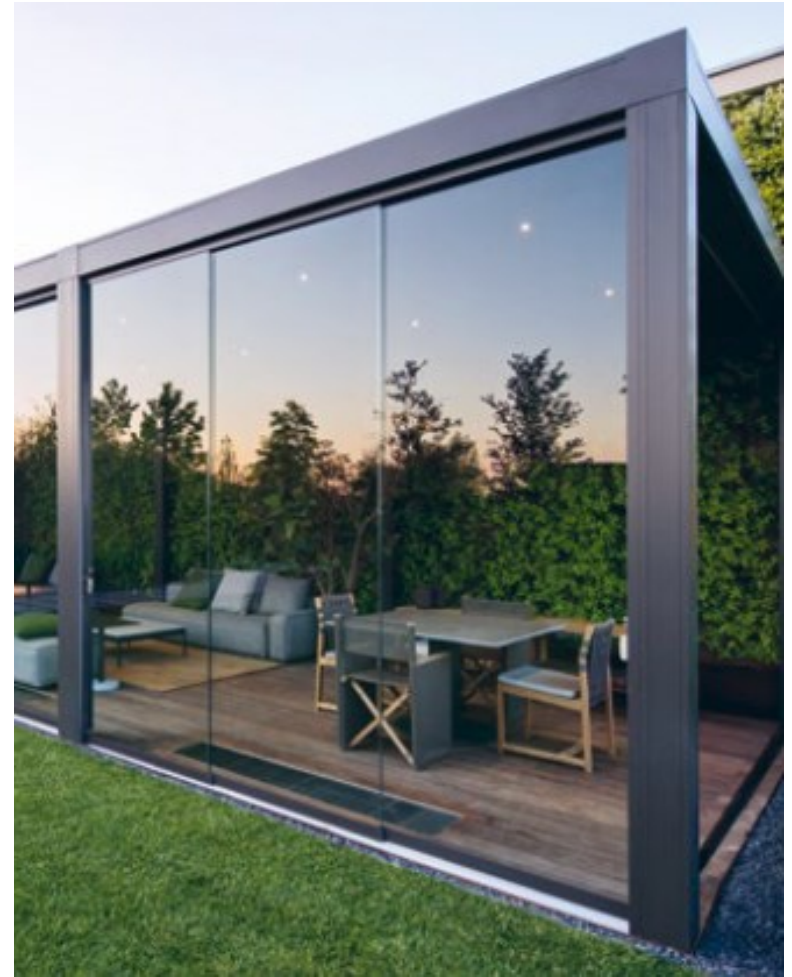
PRODUCT FEATURES:
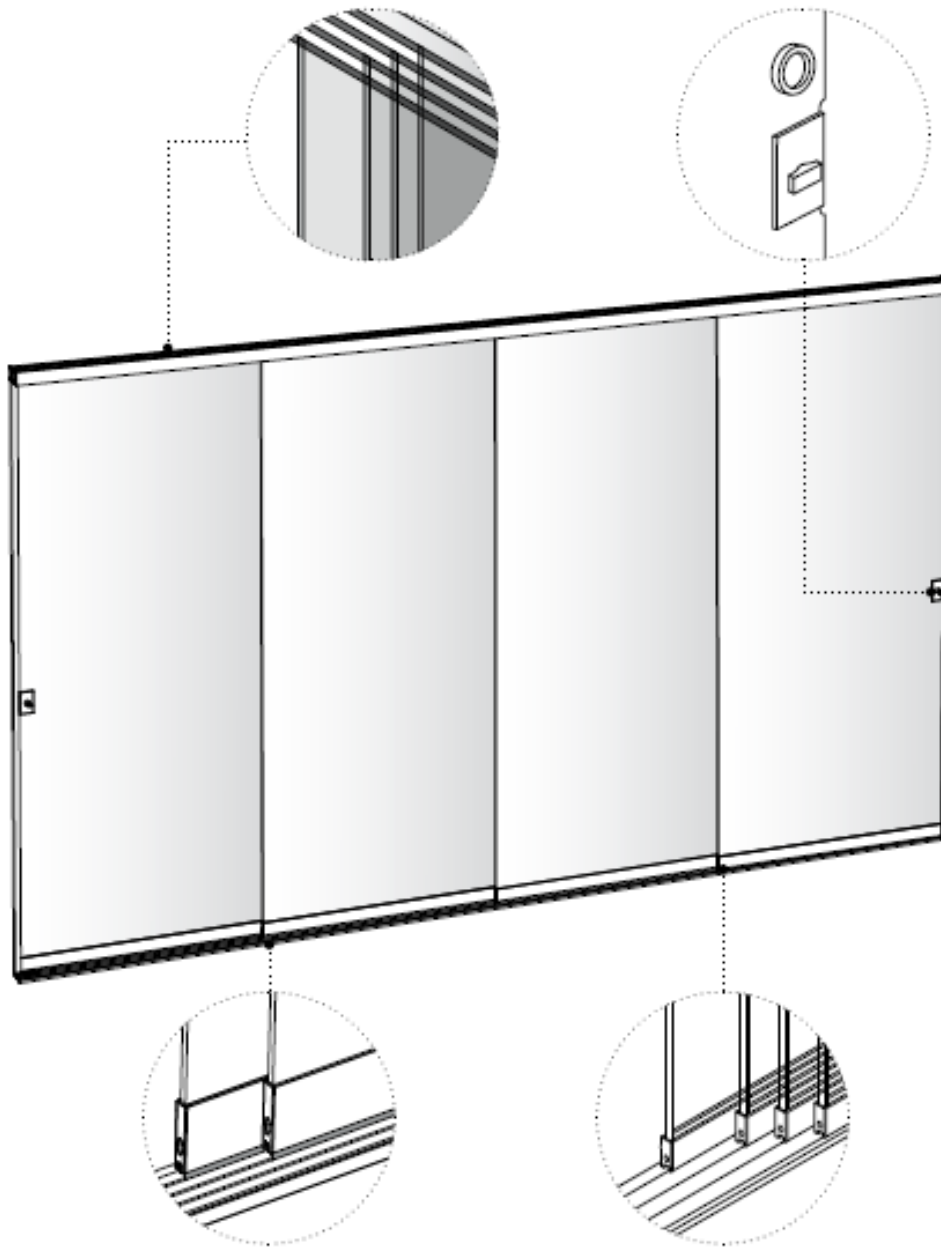
- **Glass Panels with aluminum frame.**
- **Ideal for Bioclimatic Pergola (Rialto, Vision, and Brera S).**
- **Can be installed along with Raso screens on Nomo, Opera, and Brera P Pergolas also.**
- **Extruded aluminum Profiles.**
- **Stainless steel handles.**
- **Stainless steel trolleys with ball bearings.**
- **Tempered Glass 10 mm thick weighs 25 Kg. / sq./meter.**
- **Tempered Glass 12 mm thick weighs 30 Kg. / sq./meter.**
- **Two, Three, or Four way sections.**
- **Max Length 700cm depending on number of glass sections.**
- **10mm glass available up to 250 cm High doors.**
- **12mm glass available from 260 cm to 300 cm high doors.**
- **Lead time is longer if slide glass is added.**

2 ways - 2 doors

L (100 ÷ 320)

Lc=L/2+4
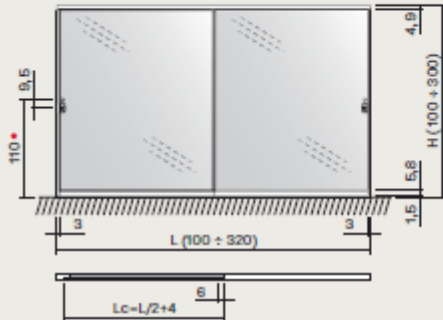
H standard of the closing "S" handle (min. H 25 cm)

Standard opening

External view

Reverse opening

External view

GUIDES

IN   OUT

4,1

2 ways - 4 doors

L (190 ÷ 640)

Lc=L/4+5

Standard opening

External view

Reverse opening

External view

GUIDES

IN   OUT

4,1

3 ways - 3 doors

Standard opening

External view

Reverse opening

External view

IN   OUT

3 ways - 6 doors

Standard opening

External view

Reverse opening

External view

IN   OUT

4 ways - 4 doors

Standard opening

External view

Reverse opening

External view

GUIDES

IN

OUT

4 ways - 8 doors

Standard opening

External view

Reverse opening

External view

GUIDES

IN

OUT

5 ways - 5 doors

4,9
9,5
110
H (100 ÷ 300)
5,8
1,5
3
L (230 ÷ 660)
3
6
Lc=L/5+24

Standard opening

OPT
B | S
B | C
OPT | OPT
S | B
OPT
C | B
OPT | OPT

External view

Reverse opening

OPT
B | S
B | C
OPT | OPT
S | B
OPT
C | B
OPT | OPT

External view

GUIDES

10
IN
4,9
OUT
0,2
0,1
0,5
0,1
5,5
7,4
2,1
1,9

6 ways - 6 doors

4,9
9,5
110
H (100 ÷ 300)
5,8
1,5
3
L (270 ÷ 740)
3
6
Lc=L/6+31

Standard opening

OPT
B | S
B | C
OPT | OPT
S | B
OPT
C | B
OPT | OPT

External view

Reverse opening

OPT
B | S
B | C
OPT | OPT
S | B
OPT
C | B
OPT | OPT

External view

GUIDES

11,9
IN
4,9
OUT
0,2
0,1
0,5
0,1
5,5
7,4
2,1
1,9
12
1,3

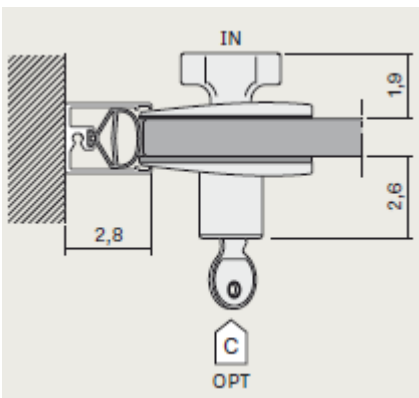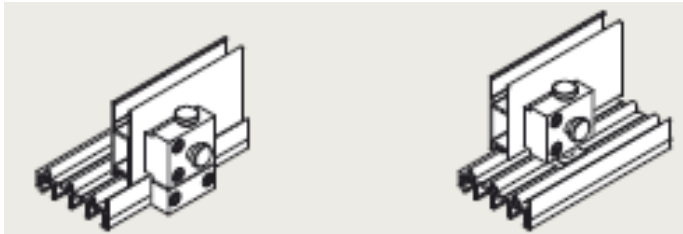## 8 ways - 8 doors

Driving Handle Disk

External Key Locks

Not compatible with Raso Screens.
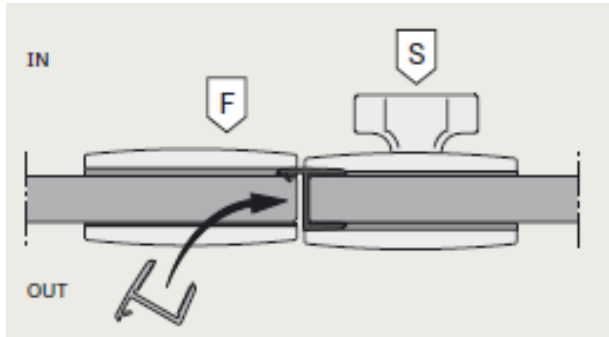
Each Lock has a key.

Door stop on bottom of floor track

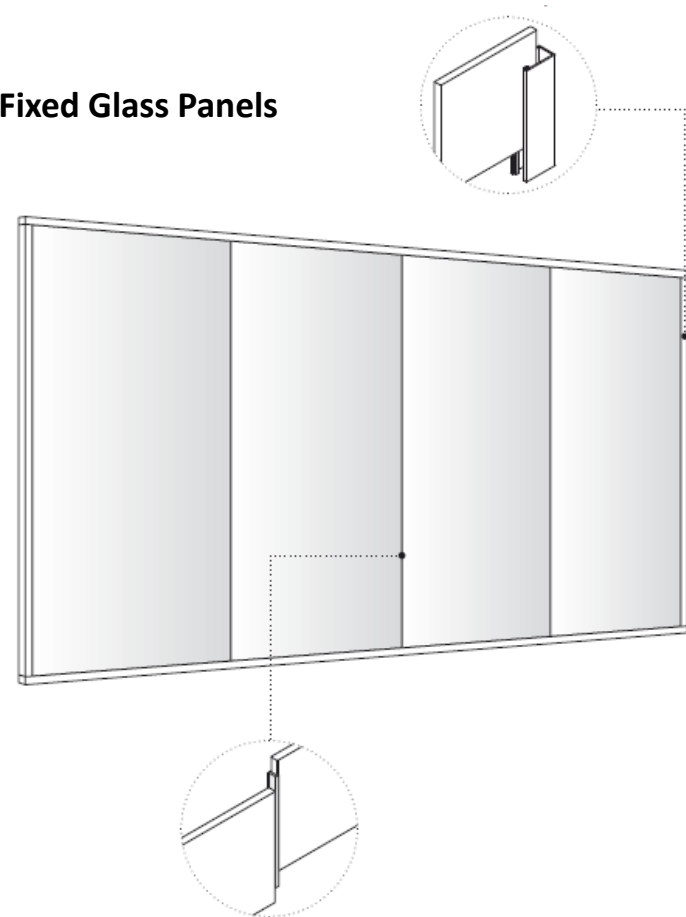**Guide side installation** **Installation between Tracks**
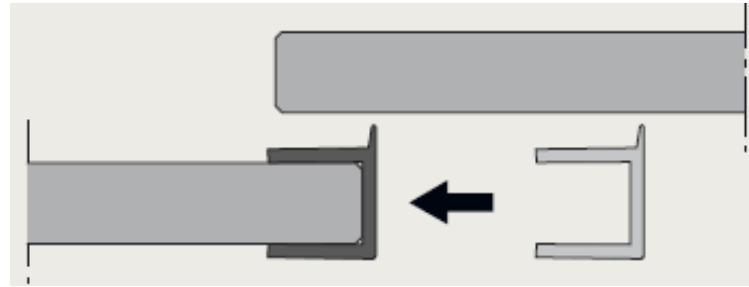
Door Seal

Vertical Gasket Seal:

For overlapping Doors

Optional Fixed Glass Panels

NOTES:

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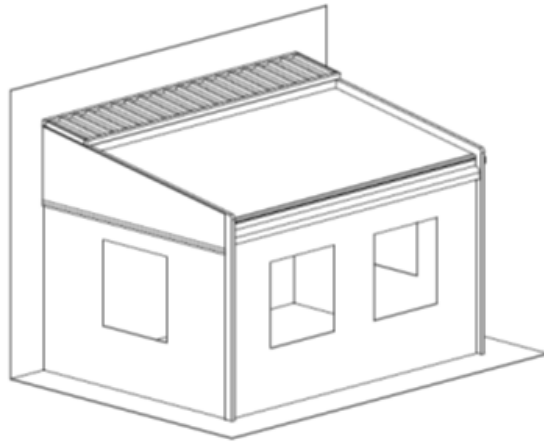
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