

# DANPASHADE AURA LOUVER INSTALLATION BOOKLET

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15120





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## GENERAL NOTES FOR AURA LOUVRE SYSTEM

### BASIC SAFETY RULES

- The general safety rules are the basic rules that apply to all installers while on the job. Those rules do not replace any of the local rules given by any other official in the site
- Approved hard hats in good condition shall be standard headgear on all job sites
- Safety glasses with side shields shall be worn on all job sites
- Employees shall wear shirts with sleeves, long trousers or overalls on the job sites
- Wearing canvas shoes, sandals or sneakers is not permitted. Safety toed footwear required
- Safety harnesses shall be worn and secured for elevated work where no protection is available to prevent the worker from falling
- Tools shall be used only for the purpose for which they are designed
- All climbing devices shall be checked before usage. A straight ladder shall be secured at the top. A second employee shall secure the ladder at the base

### STORAGE INSTRUCTIONS

- Always store the panels in a safe area
- Materials have to be in a cool, shaded, dry area safe from potential damage
- Materials must be stored at temperatures no higher than 40°C
- Louvers should be stored on a straight, smooth, level surface. A full panel-length layer of plywood is recommended under the first sheet of DANPALON
- Although DANPALON Louvers have a protective film on them, care in handling should be taken to protect the Louvers from denting or scratching
- The protective film will become difficult, or impossible, to remove if Louvers are left in direct sunlight or excessive heat
- The Louvers must be stacked in a way that each Louvers is supported by the one under it along its full length and width, and not higher than 2 meters per stack
- Louvers are to be stacked in the aforementioned manner to avoid denting, folding, or permanent deforming

### GENERAL INSTRUCTIOS FOR AURA LOUVER INSTALLATION

- The AURA Louvers can be installed horizontally or Vertically
- The booklet was based on our experience concerning the loads/span recommended. For Any other Load/span, one should consult the technical department at Danpal
- There are endless options for installing the Louvers on an opening of a building. This booklet shows one specific option. Contact Danpal Technical department for help to design your project
- The AURA louver can be install in different angles. In this booklet, only 2 angles were described. For any other angle, pls contact Danpal Tech Department
- The recommended distance between Louvers is appx 300 mm , but can be varied as per customer request



## GENERAL NOTES FOR AURA LOUVRE SYSTEM

### FIELD FABRICATION

- The Aura Louvers are supplied at their final size as per the Project Plan
- Cutting the Louver size is not recommended
- Remove the protective film from AURA Louver immediately upon installation to avoid melting of film to panel
- Handle materials with care
- AURA Louver is Fully covered with UV Protection
- Do not create excessive stresses, deformation, twisting, etc. on your installation
- Prior to installation it is recommended to read DANPAL literature and/or technical personnel be consulted



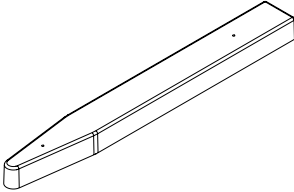
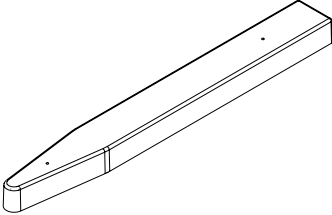
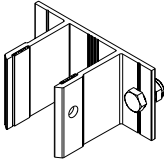
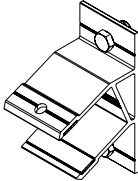
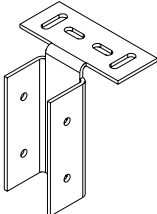
### CLEANING INSTRUCTIONS

- The ideal way to remove dirt, debris and saw chips before washing is with compressed air or air blowers. (Do not spray water into flutes of Louvers.)
- Cleaning from time to time is essential. After blowing out debris, wipe down the outside of panel with a soft rag or sponge and a mild soap/water solution (e.g. Palmolive dish washing detergent).
- Do not use scrub brushes as these will scratch Louvers. Then simply rinse with clear water and dry water droplets with a soft cloth or chamois

**Always test the selected cleaning agent and method on a small unobtrusive area.**

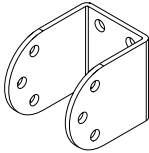
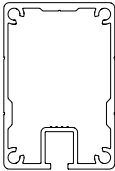
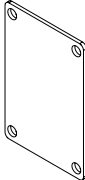





# COMPONENTS LIST

NO	CAT NO.	ITEM NAME		PICTURE
1	41-926100	DP LOUVER (DIAGONAL GREEN)		
2	55-7019	LOUVER ALU INSERT (ANODIZE)		
3	55-7025	BLACK COVER FOR AURA LOUVER		
4	55-7035	BLACK COVER FOR AURA LOUVER DRAINED		
5	55-70016	90 DEGREE LOUVER BRACKET PROCESSED (678142) ANODIZE		
6	55-70013	22.5° LOUVER BRACKET (ANODIZE)		
7	80-532150	BRACKET GIRT		

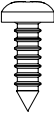
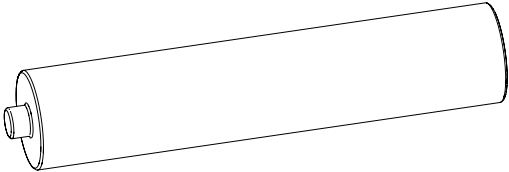


# COMPONENTS LIST

NO	CAT NO.	ITEM NAME	PICTURE
8	80-532151	40mm SADDLE BRACKET	
9	55-7010	LOUVER SUPPORT BEAM (ANODIZE)	
10	55-7024	LOUVER BEAM END CAP	
11	55-7022	DIN 933 M6 x1 4	
12	55-7007	DIN 985 LOCK NUT M6	
13	55-7023	DIN7504 K 5.5 x 25	



# COMPONENTS LIST

NO	CAT NO.	ITEM NAME		PICTURE
14	51-7138	DIN 7981 4.8 X 16 A2		
15	55-7030	SILIRUB PC SD-NS-C300-PC		

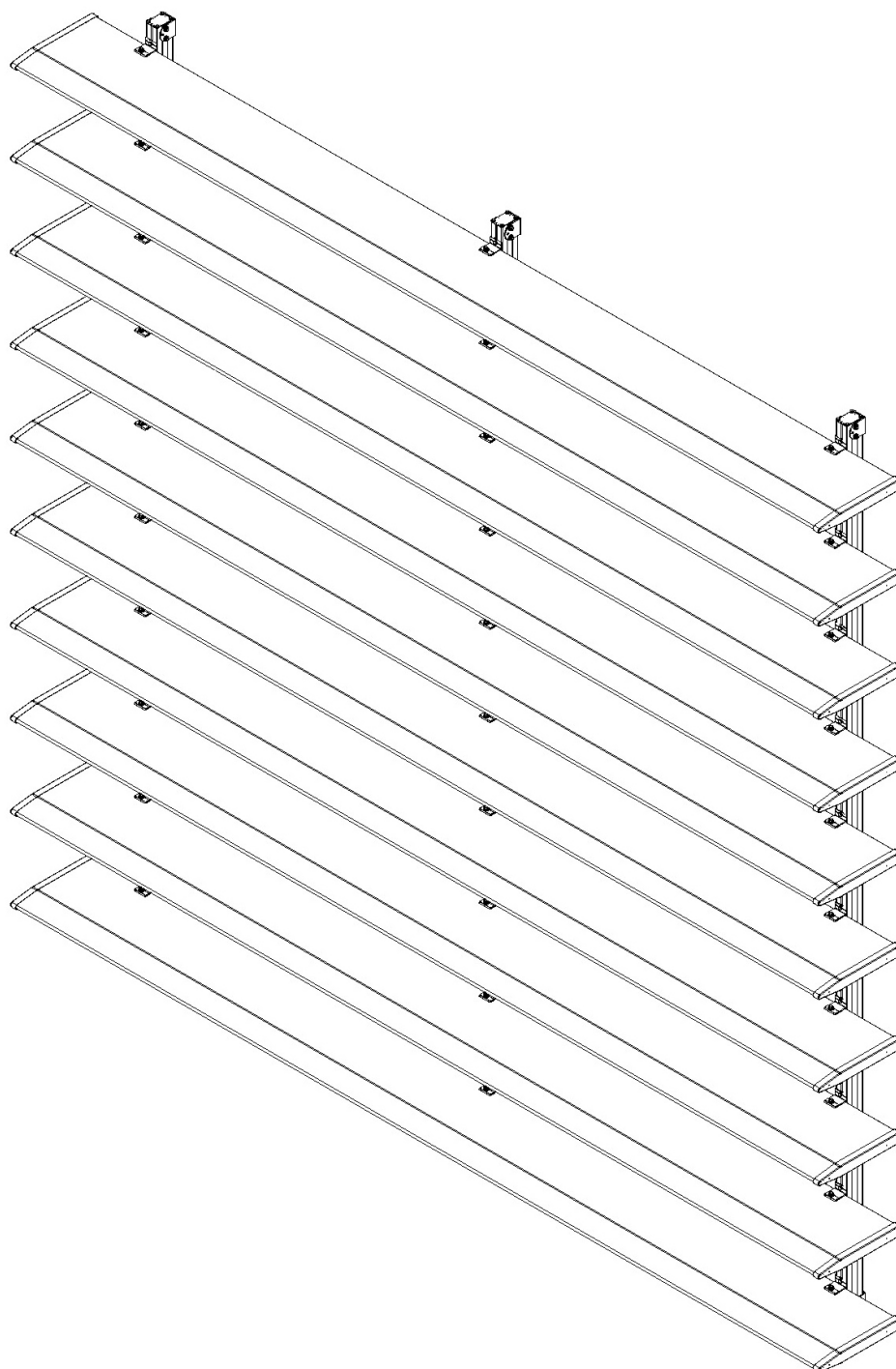
**Note:** Cat. Numbers for items 3,4 are for black color only.



## INSTALLATION

### HORIZONTAL INSTALLATION

1

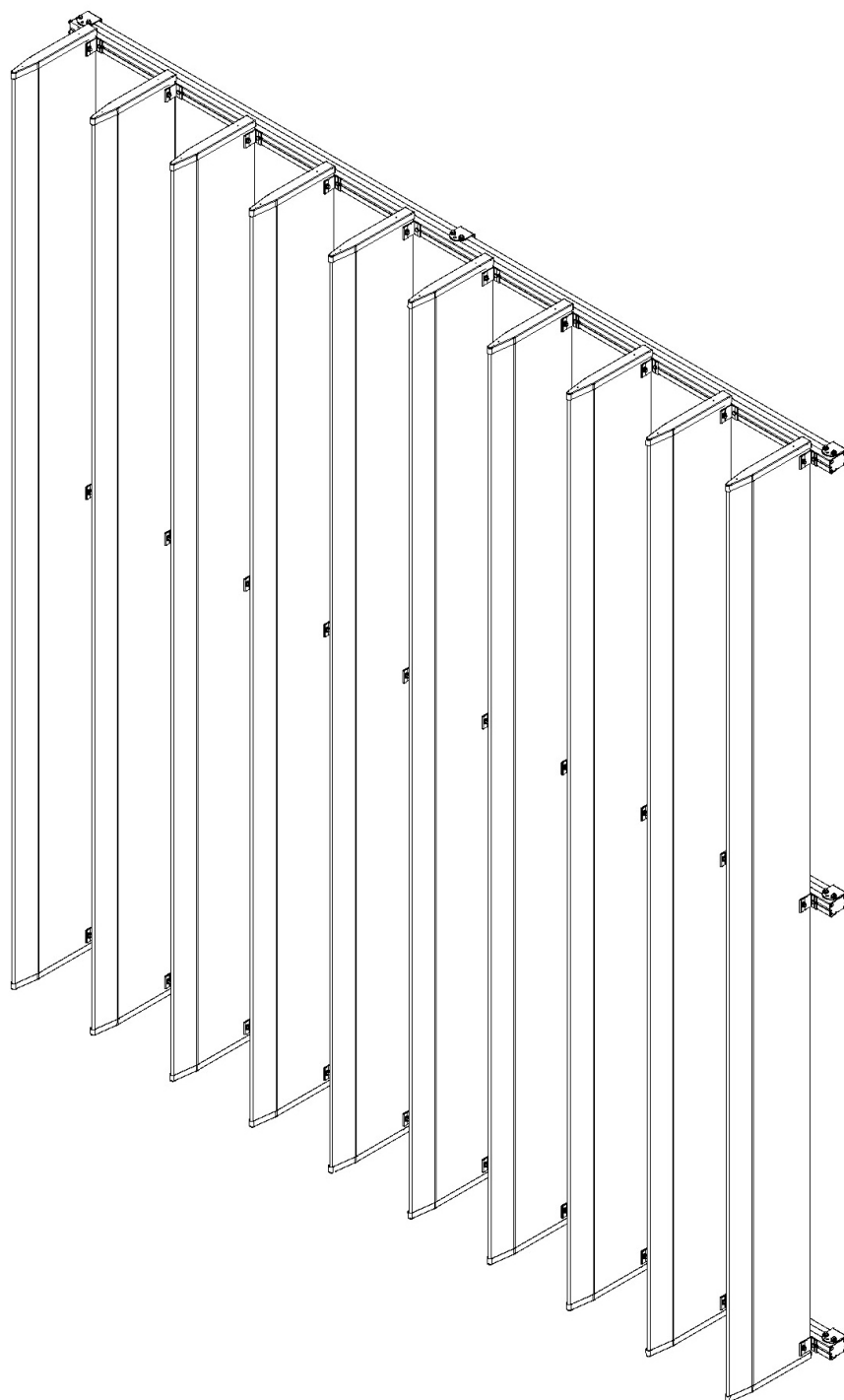




## INSTALLATION

### VERTICAL INSTALLATION

2



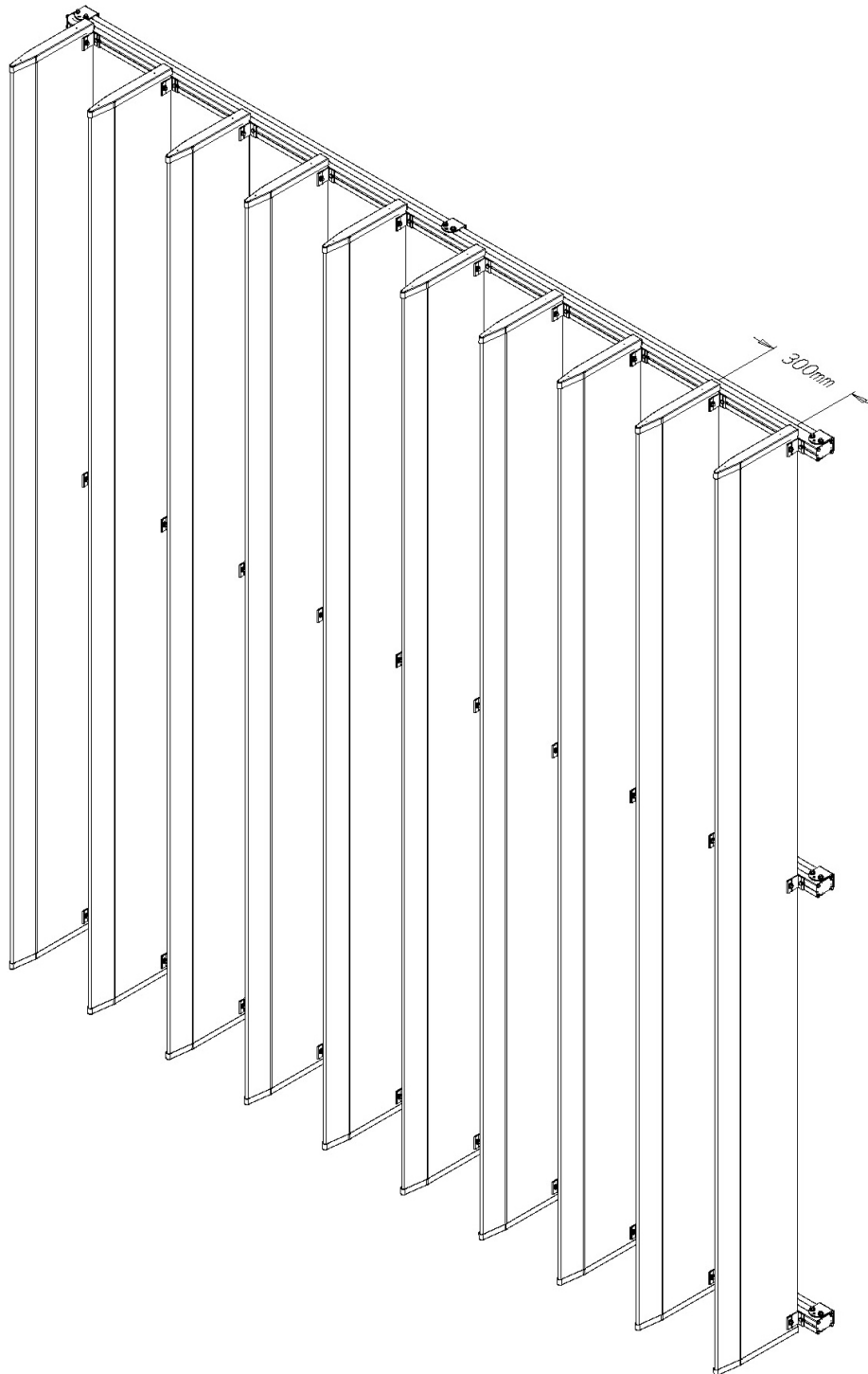


## INSTALLATION

### VERTICAL INSTALLATION

3

Recommended distance between LOUVERS 300 mm  
Consult Danpal tech department to determine different  
distance between LOUVERS

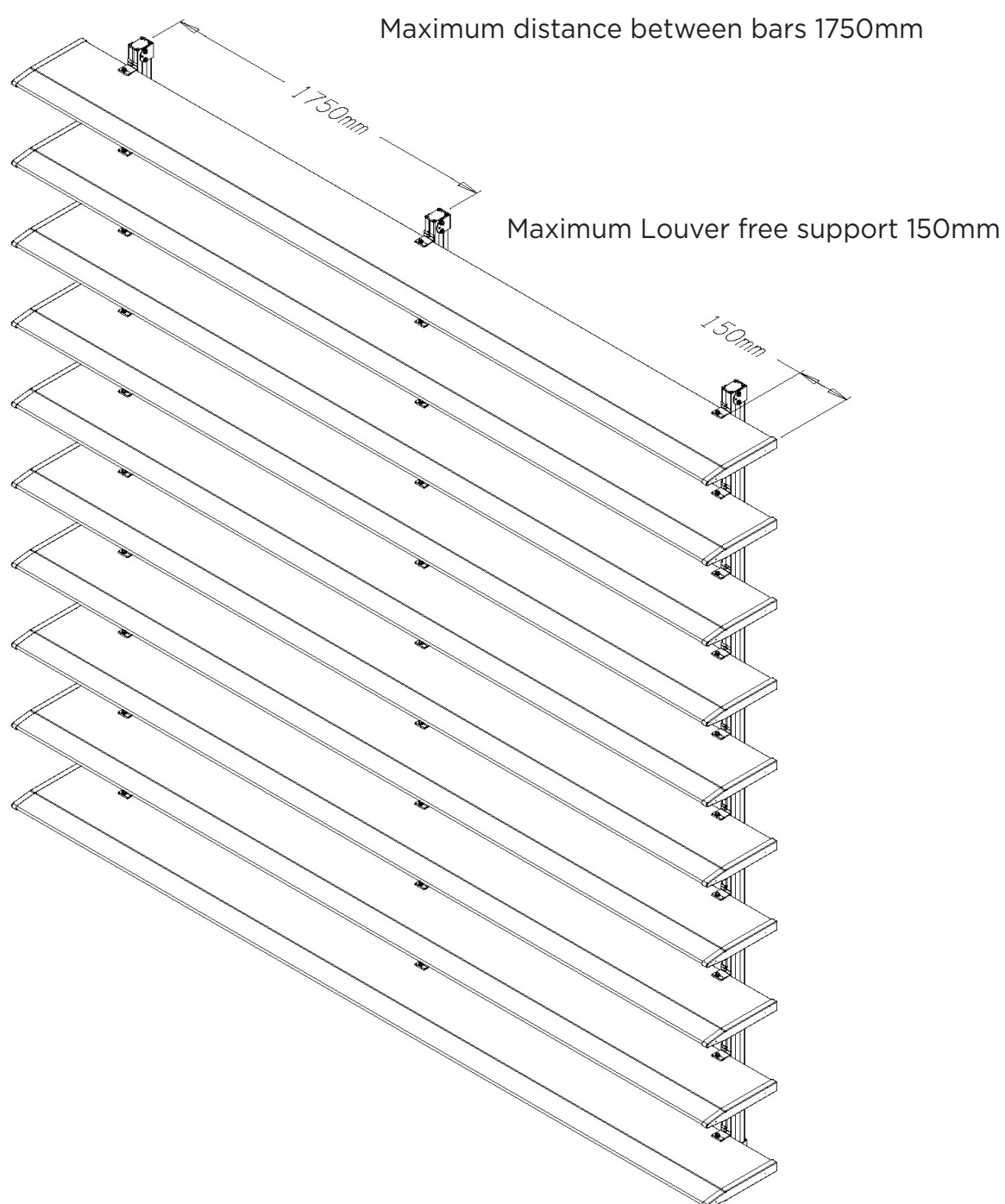




## INSTALLATION

### HORIZONTAL UNSTALLATION

4



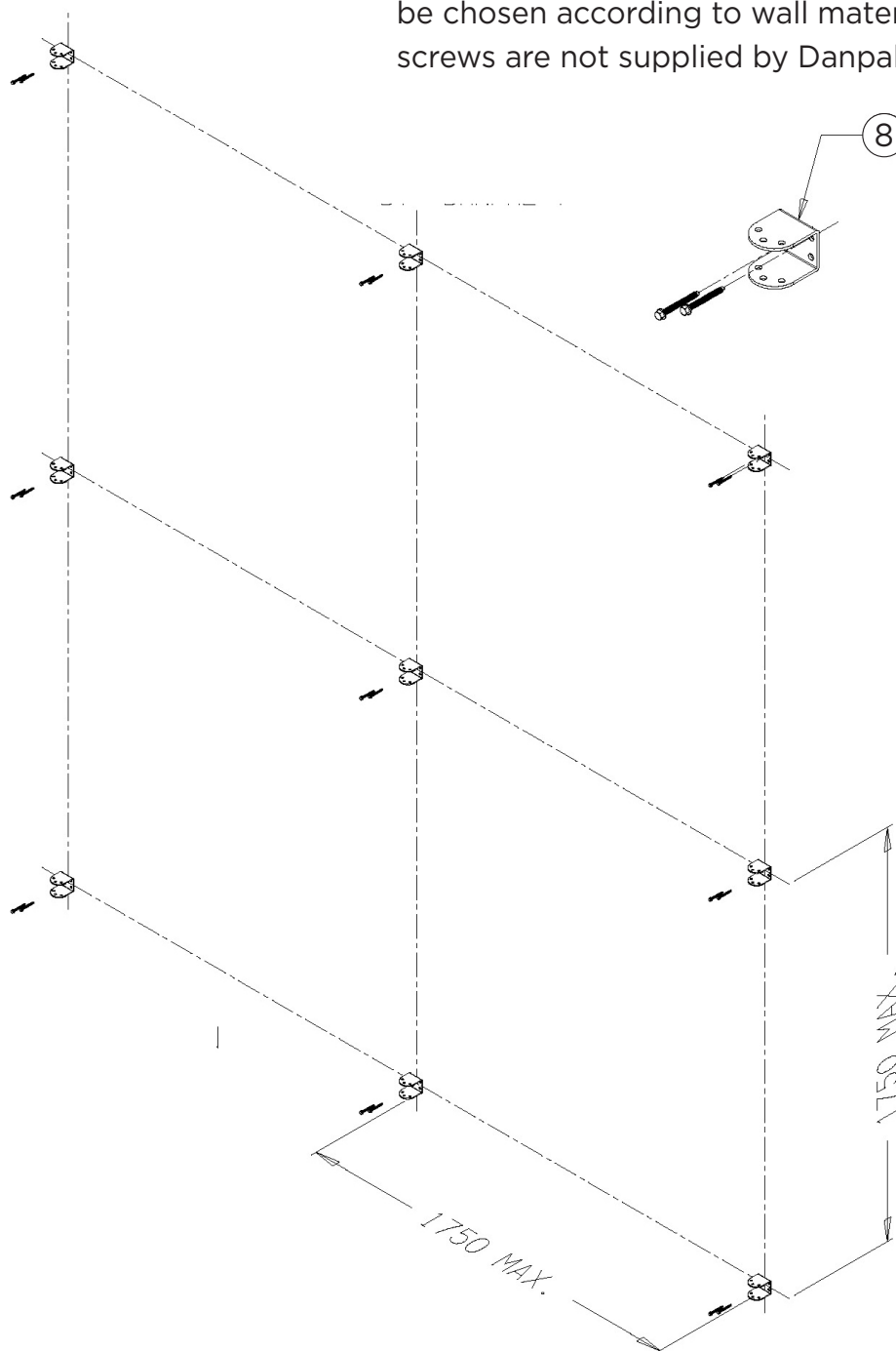


## INSTALLATION

### HORIZONTAL UNSTALLATION

5

Fixing bracket to the building should be done very precise. The screw type should be chosen according to wall material the screws are not supplied by Danpal



#### NOTE:

In this installation booklet we present only the vertical installation, but the procedure is the same for horizontal also.

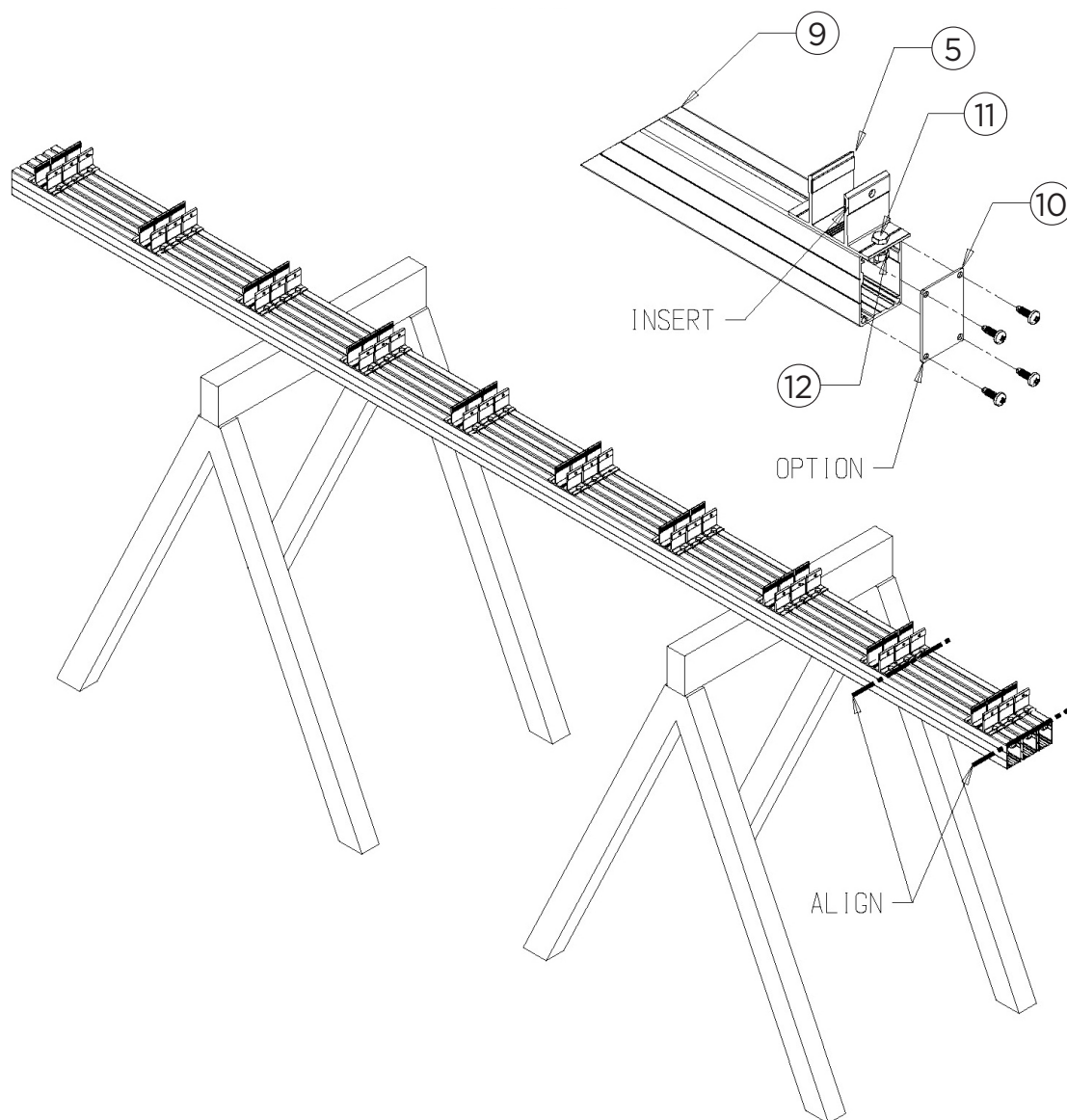


## INSTALLATION

### VERTICAL INSTALLATION

6

1. Align all the bars (part No.9) exactly on the same line
2. Insert the brackets into the slot in the bars
3. Fix them in the correct distance between each row on the same line
4. Tight the screws (Part No.11)
5. Fix the optional end plate (10) to sides of the bars with screws part No.14

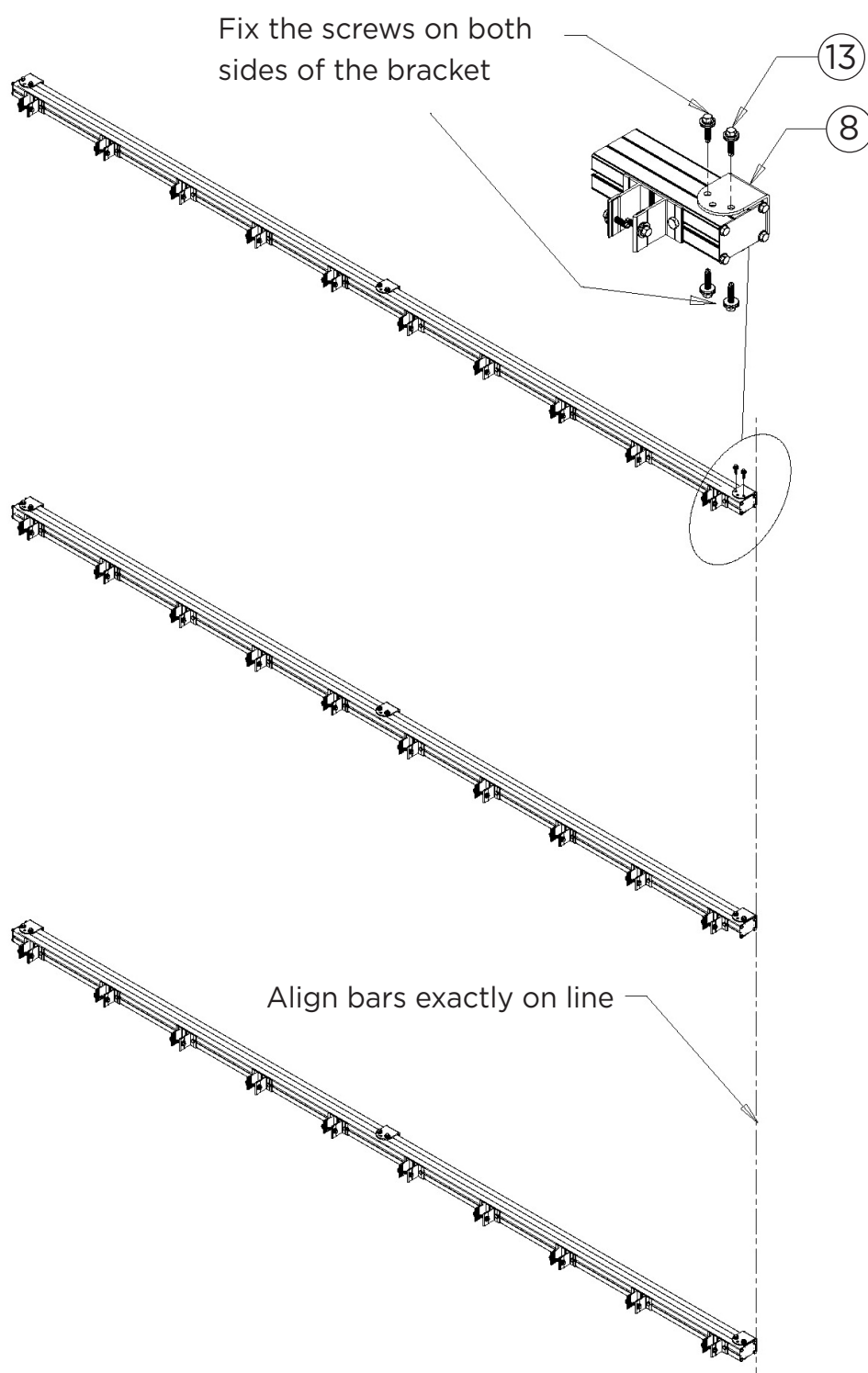




## INSTALLATION

### VERTICAL INSTALLATION

7

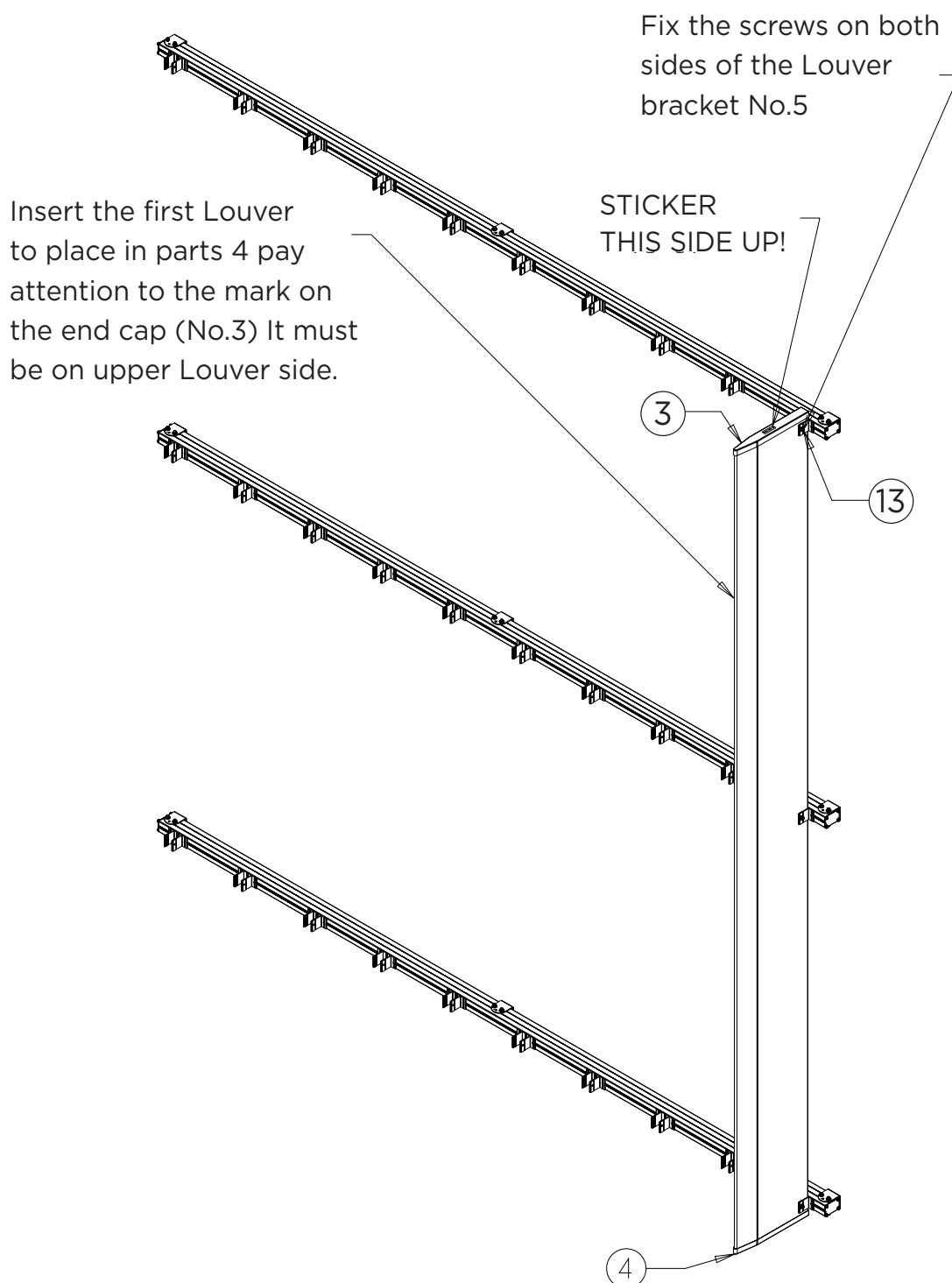




## INSTALLATION

### VERTICAL INSTALLATION

8



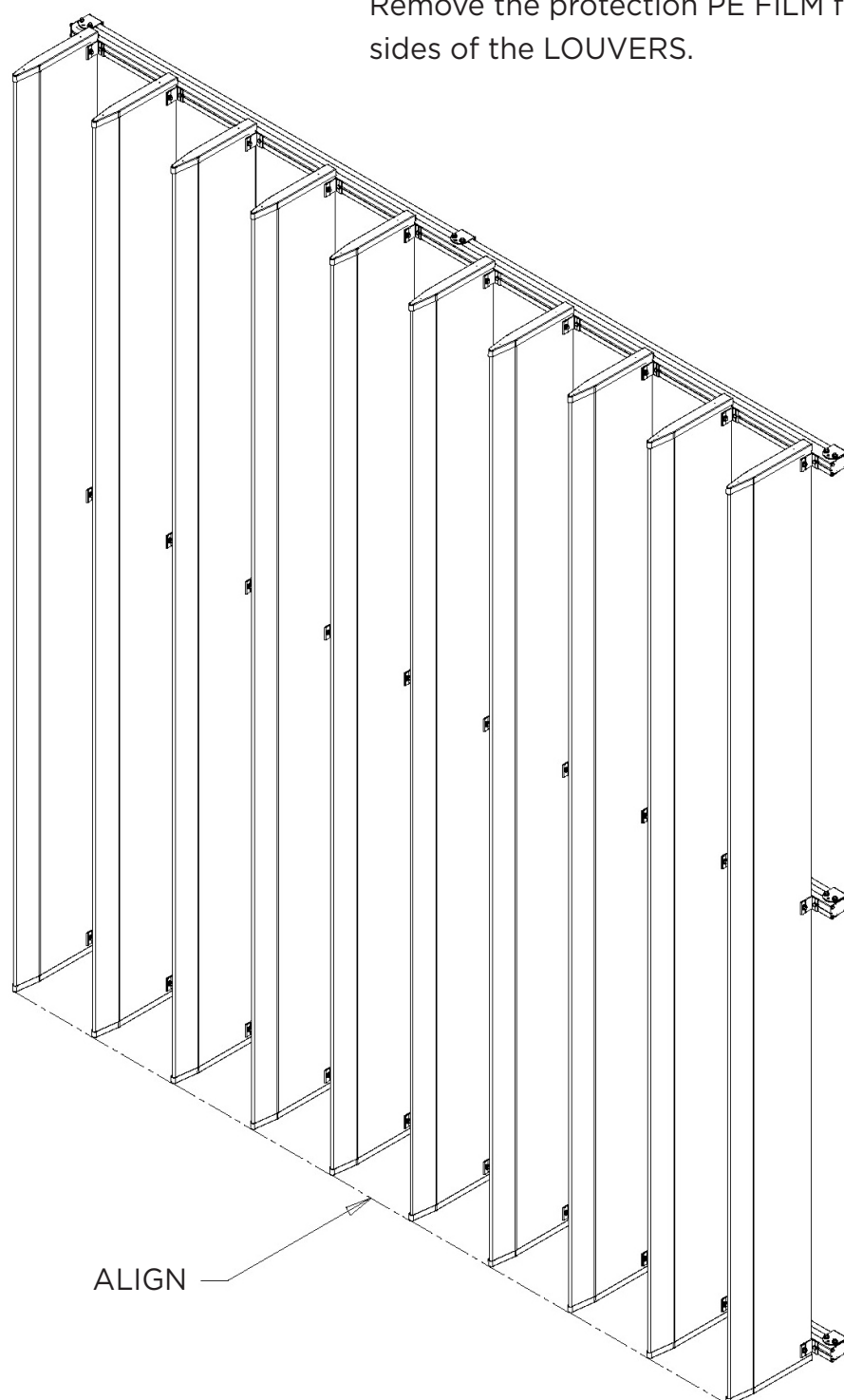


## INSTALLATION

### VERTICAL INSTALLATION

9

Complete installation of all the Louvers.  
Remove the protection PE FILM from both  
sides of the LOUVERS.

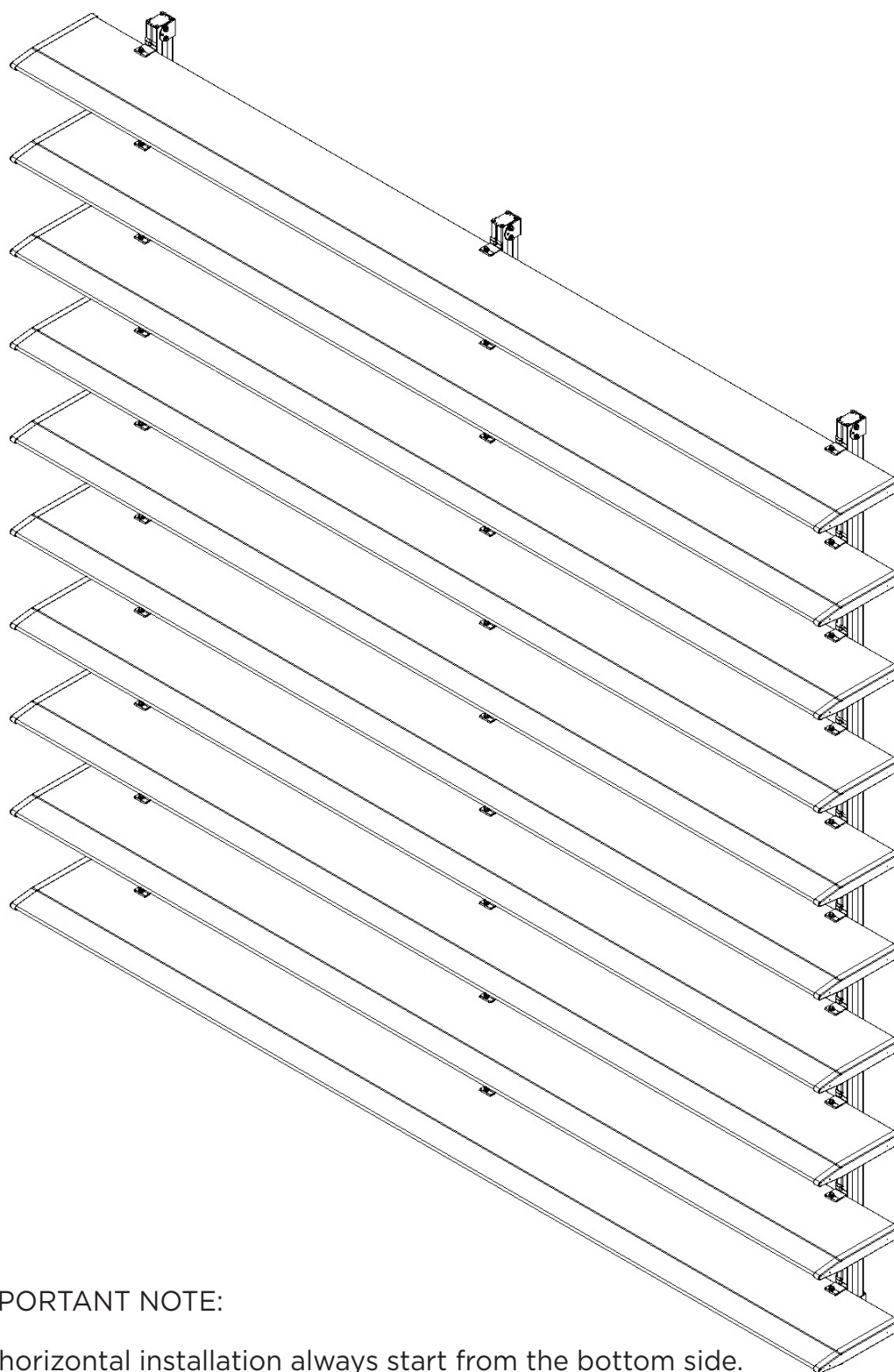




## INSTALLATION

### HORIZONTAL INSTALLATION

10



#### IMPORTANT NOTE:

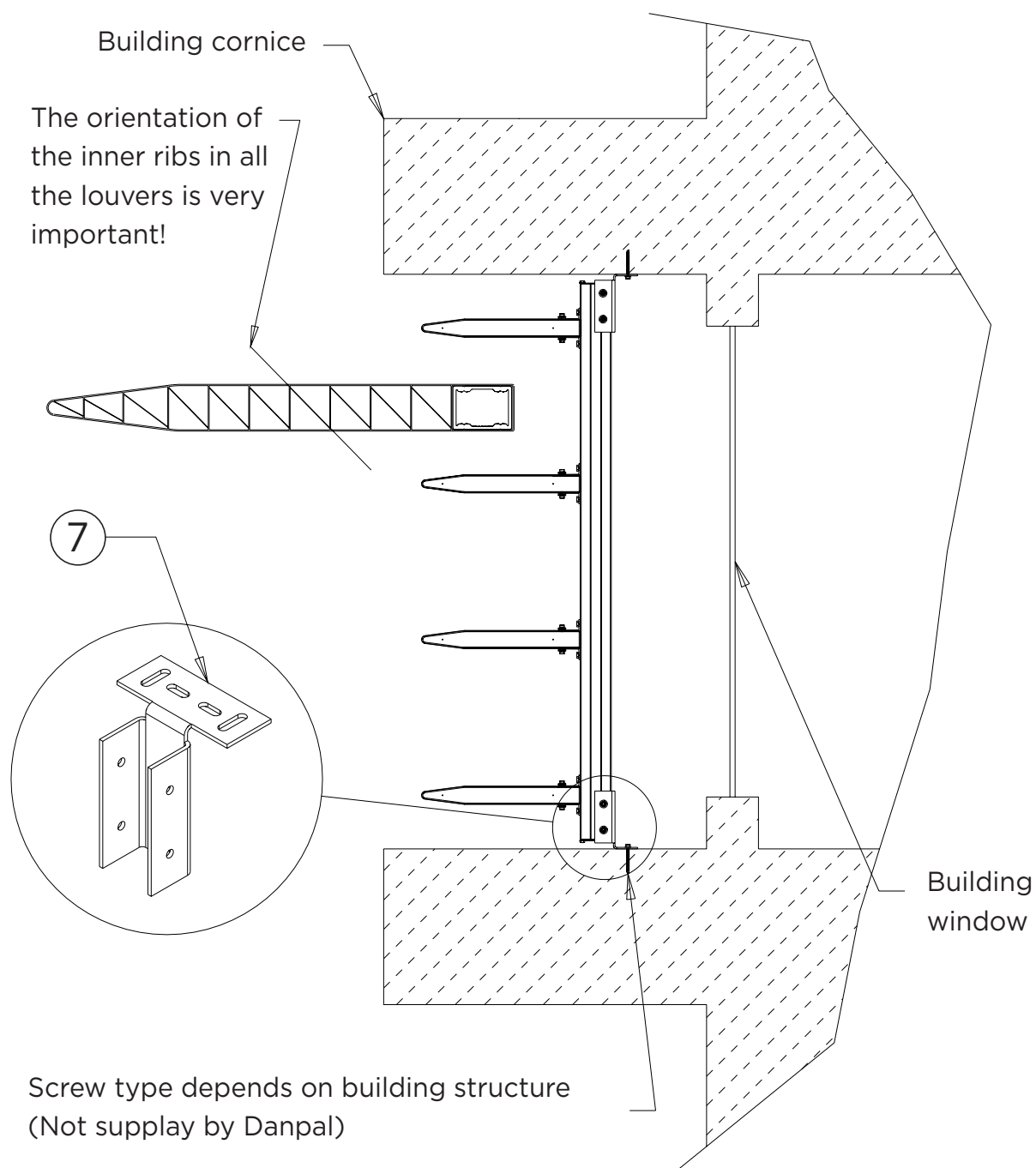
In horizontal installation always start from the bottom side.



## INSTALLATION

### HORIZONTAL INSTALLATION

11

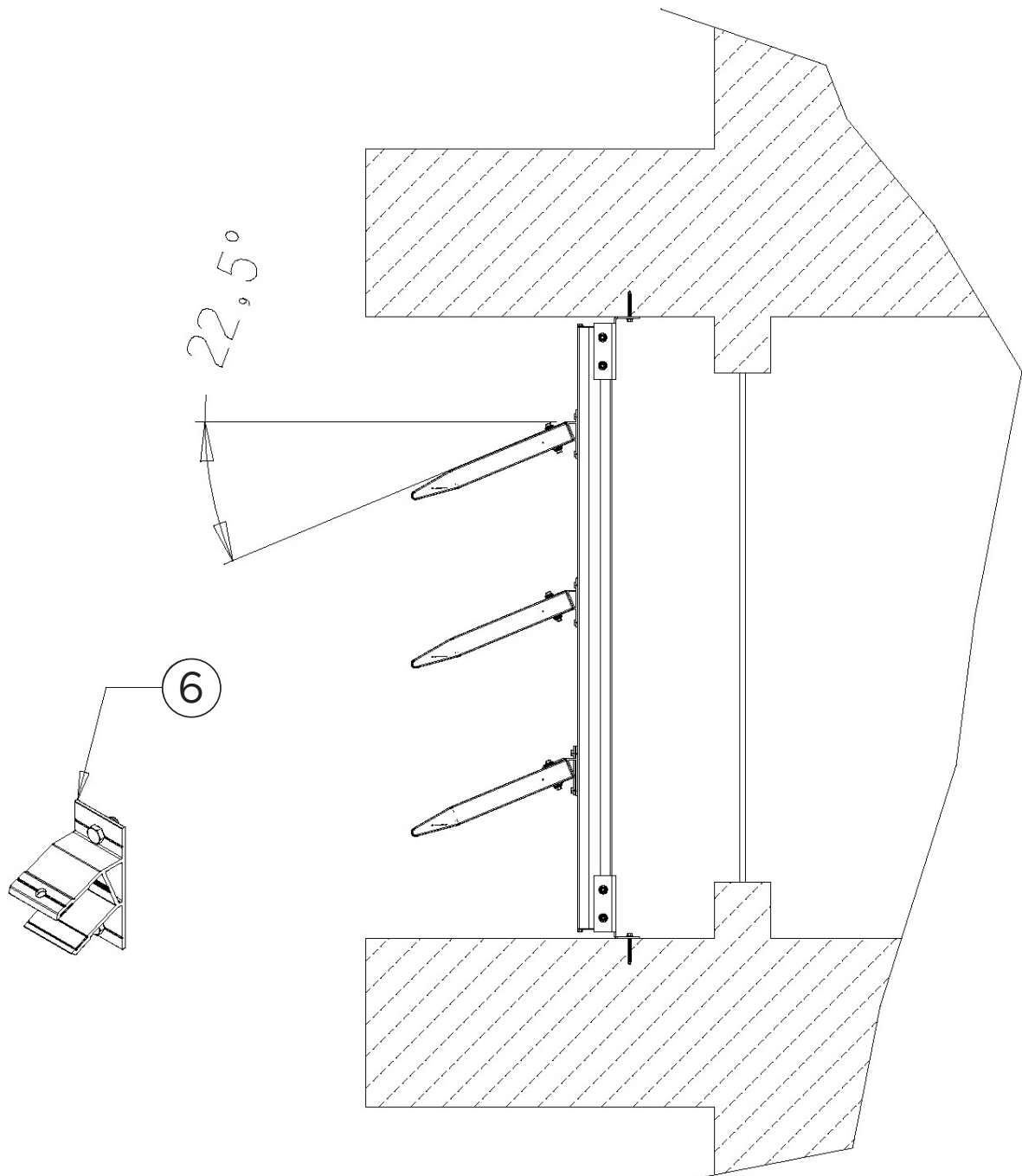




## INSTALLATION

### HORIZONTAL INSTALLATION IN 22.5 DEGREE

12



22.5 Degree bracket can be use in both options, horizontal & vertical installation



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- We offer a full material warranty and are committed to meeting our customers' deadlines.

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### Innovative light architecture systems for building envelopes

Danpal® are creators of exceptional light-transmitting architectural systems for building envelopes, providing optimal solar and thermal comfort.

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