



OFF-STREET CAR PARK
BSM Mercat de Sant Antoni
BARCELONA | SPAIN

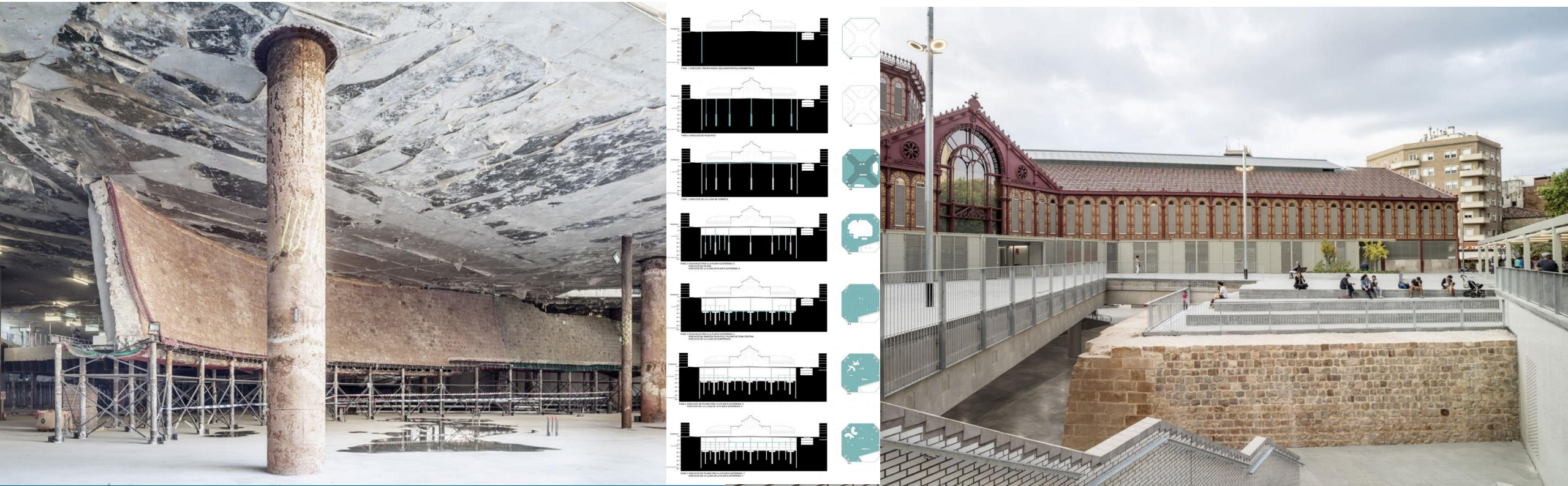
APARCAMENTS
B:SM

Category 1 | New parking structures | BSM Mercat de Sant Antoni | Barcelona (Spain)



New parking structure in a spot where the history of Barcelona converges: the **Sant Antoni Market** dated from 1879 and symbol of Catalan art nouveau.

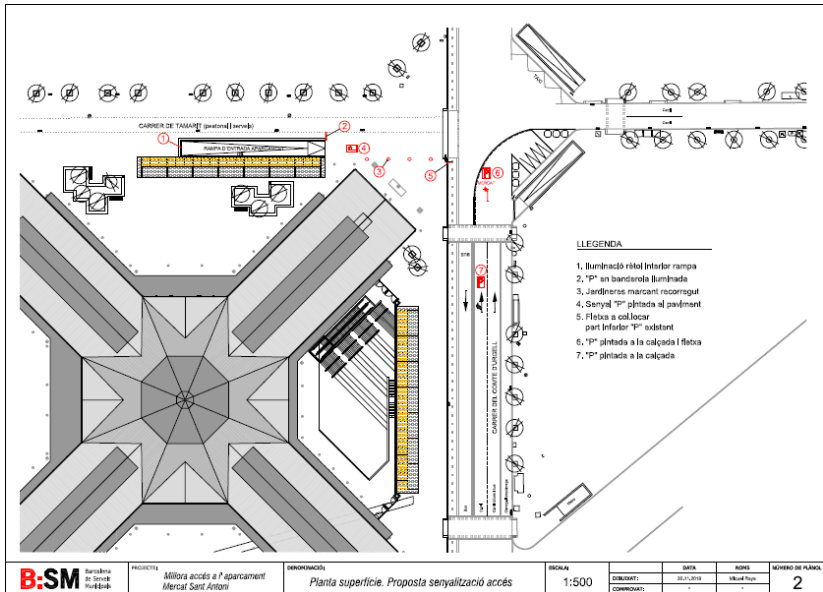
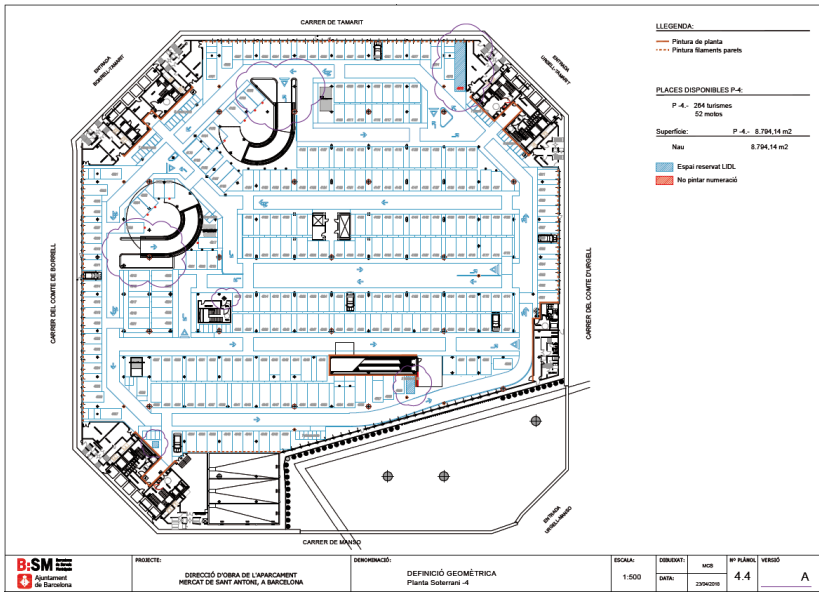
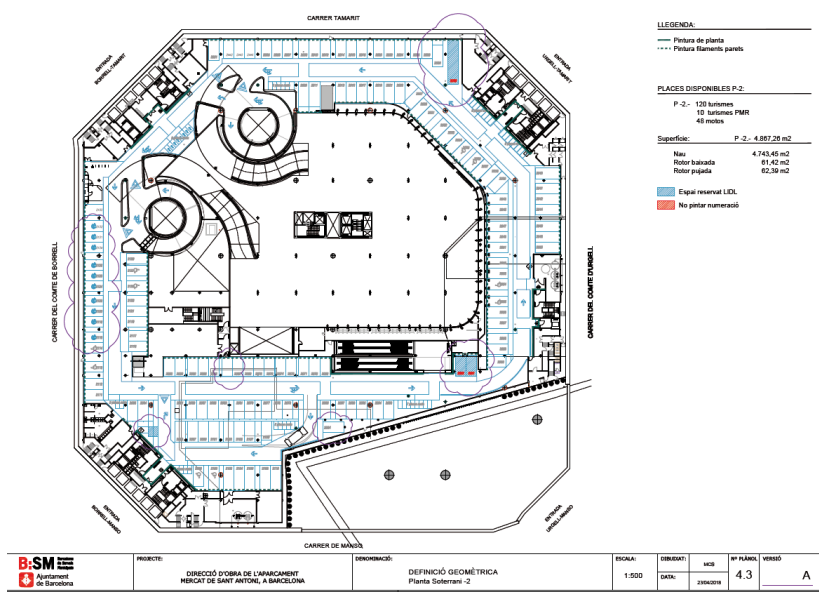
The building occupies an entire block (12.000 m2) and is organized in form of a Greek cross on the diagonals of the Eixample layout, reproducing in geometry and dimension the alignments of a junction of two streets. The central octagon, covered with a higher dome, reproduces a type crossing of Cerdà plot.



During the works of construction it was found the archaeological remains belonging to the old **Roman Via Augusta** and one **roman necropolis** as well as remains of the **XVII siècle Sant Antoni bastion** and its counterscarp.

In order to preserve the archaeological remains found, it was necessary to reinforce 400m² belonging to the Roman Via Augusta temporarily and almost 80 m of the defensive wall.

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Parking Structure

- Two Parking Levels
- One-way entrance and exit
- Helicoidally twin ramps
- Diaphanous space that provides comfortable parking spaces



No. Parking Spaces

	Car Spaces	Disabled P. Car Spaces	Car Spaces (EV)	Moto Spaces	Moto Spaces (EV)	Bici Space	Total
Level -2	115	10	7	40	8	20	200
Level -4	266			53			319
Total	381	10	7	93	8		519



Access Control

- Access & Exit by LPR for pass holders and occasional users
- 5 pay-ATM
- Card scanner for car and pedestrian pass holders entrance



Technology

- Parking Free-Space Guidance
- 24h vídeo surveillance System with digital CCTV Systems points
- Digital SOS alarm stations
- Supervision Centre immediate response buttons



Lighting & Charging Points

- **DALI (Digital Adressable Ligghting Interface) Installation:** smart LED lighting system that provides optimal and reliable visual conditions both for parking and for walking safely.
- **7 Electric vehicles charging points**



Internal Signs Code

- Different colour for each parking level
- Numbered Parking spaces
- Pedestrian routes identified
- Direct access to Market zone



Other services

- Parking spaces for motorcycles and bicycles
- Charging points for electric vehicles (car and motorcycle)
- Coverage 3G
- Locker service point & Shopping carts service
- Carsharing service provided by various companies