advanced media technologies®

SB-CARETT-SB

DESCRIPTION

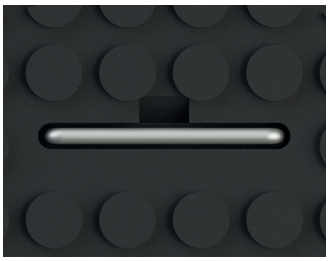
AMT vaults are designed based on the highest demands of mechanical and environmental resistance, providing an excellent protection performance for underground installations in the electrical, energy and telecommunication sector. Its modular assembly facilitates transportation, storage and installation.

This product is made from recycled polyethylene bags, on strength of the commitment we have of contributing to the ecological balance.

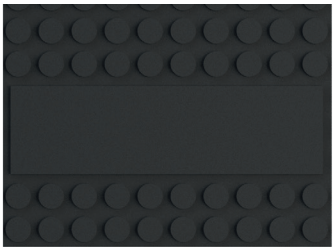
Provides high load capacity, flame retardant protection, resistance to sunlight, abrasive wear, resistance to a variety of chemical agents, in addition to its design, made and tested under international standards.

CHARACTERISTICS

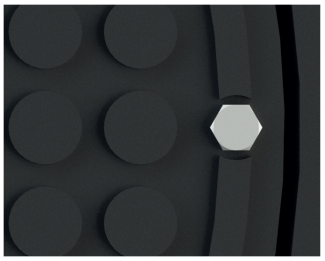
- Manufactured with a modular body of low density polyethylene, fully recycled, while maintaining excellent resistance.
- It is recommended to be used in telecommunications, energy, and electrical substations.
- The cover is secured with galvanized metal hexagonal screws and has handles on the sides for better handling and opening.
- Self-extinguishing material, resistant to solar radiation and abrasion.
- Provides protection against a wide range of chemical agents such as: acids, ketones, solvents, gasses, water vapor, etc.
- Its modular design allows it to be easily transported, stored and assembled.
- Withstands loads of up to 25 tons in compression and tension.
- Optimum to be installed in different environments such as sidewalks, gardens or vehicular streets with intense and heavy traffic.
- Structural design with lateral cavities provides greater support and subterranean anchorage, allowing walls up to 2 inches thick.



Handle for cover lifting.



Customization area with logo.

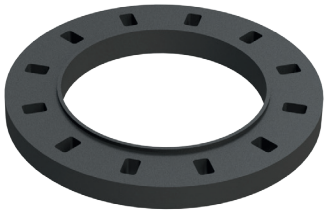


Hexagonal screws for cover security.

High relief anti-slip surface.

Lateral cavities for better anchoring.

Variety of colors according to requirements.



Optional leveling ring.

TECHNICAL SPECIFICATIONS

General register		
Parameter		**Value**
Distributed load capacity		25 tons
Point load		17 tons
Fatigue strength		1000 cycles with 14.5 Kgf
Flexion		26 mm, 15 Tons
Manufacturing material		Low density polyethylene
Total weight (shellbox, curb and cover)		195.6 Kg
Leveling ring weight (optional)	5 cm	20.5 Kg
	10 cm	41 Kg
	15 cm	61.5 Kg
General dimensions	Width	120 cm
	Length	120 cm
	Height	60 cm

Low Density Polyethylene	
Nomenclature (Spanish/English)	PEBD/PELD
Density	0.922 g/cm3
Breaking strain	20/20 Mpa
Elongation at breaking point DM/DT	380/910 %
Impact resistance	230 g/F50

NORMATIVITY AND STANDARDS

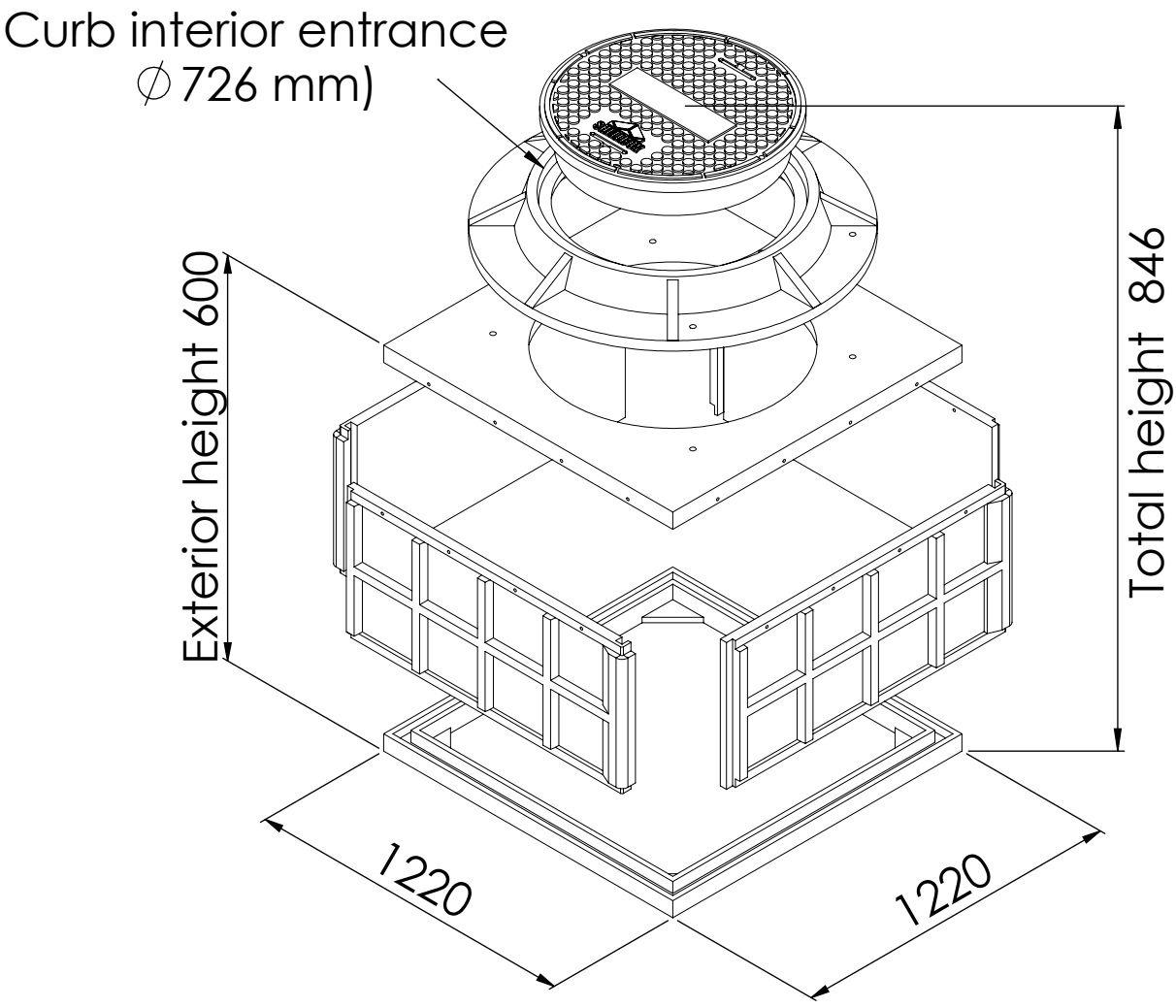
ALT's modular registers are manufactured in full compliance with the following standards, endorsed and certified by the Equipment and Materials Testing Laboratory LAPEM.

Specification	Test load	
	lbf	kN
American		
Pedestrian/Light Duty	3000	14
ANSI/SCTE 77 TIER 15	22500	100
ANSI/SCTE 77 TIER 22	33750	150
APAC		
Pedestrian/Light Duty	3370	15
AS3996-Class B	18000	80
AS3996-Class C	33750	150
EMEA		
Pedestrian/Light Duty	2250	10
EN 124 Class B125	28100	125
EN 124 Class C250	56202	250

PARTS LIST

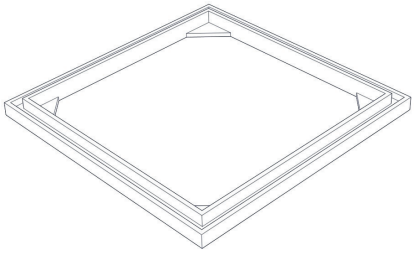
Part	Quantity	Code
Lower frame	1 piece	MI-CARETT-CORI-SB
120x60 cm side panels	4 pieces	L120-CARETT-CORI-SB
Top frame	1 piece	MS-CARETT-CORI-SB
Curb	1 piece	B-CARETT-CORI-SB
Leveling ring 5 cm	Optional	A05-CARETT-CORI-SB
Leveling ring 10 cm	Optional	A10-CARETT-CORI-SB
Leveling ring 15 cm	Optional	A15-CARETT-CORI-SB
Cover	1 piece	T-CARETT-CORI-SB
Galvanized hexagonal screws	2 pieces	-
2 1/2” screws	16 pieces	-
Stud bolts or eye bolts	4 pieces	-

DIMENSIONAL SCHEME

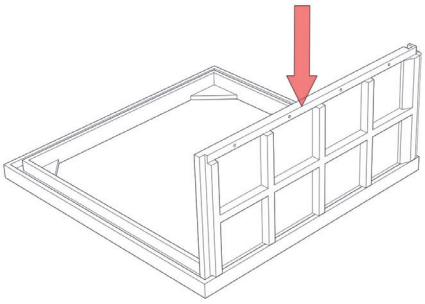


Carett			
Dimension	**Exterior**	**Interior**	**Unit**
Width	1220	1106	mm
Length	1220	1106	mm
Height	600	524	mm

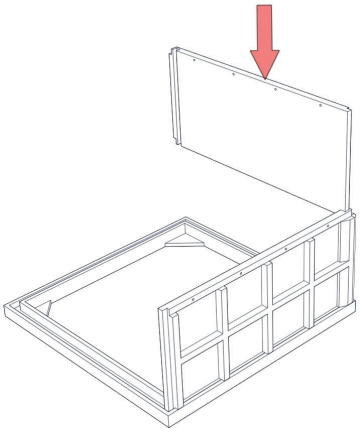
ASSEMBY STEPS



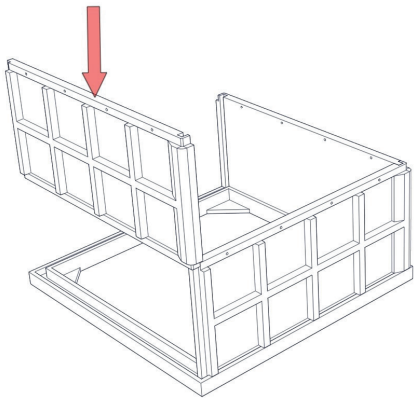
1 Place the lower frame (refer to the image) on the floor.



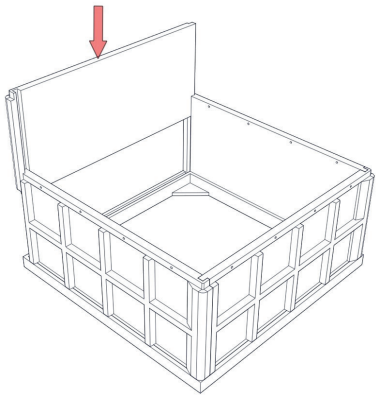
2 Install one of the 120x60 cm sidewalls on the frame, using a mallet.



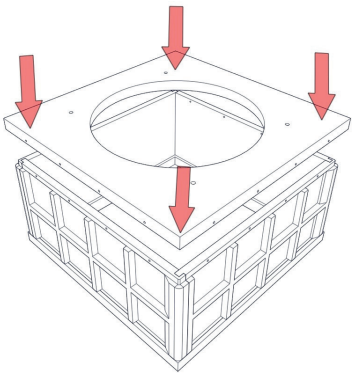
3 Place another of the 120x60 cm sidewalls on the orther side of the frame, taking into account the coincidence of the male-female assembly of its edges.



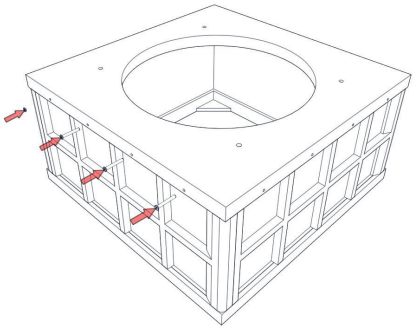
4 Repeat the previous step with the same type of frame, alternating the assembly of the edges.



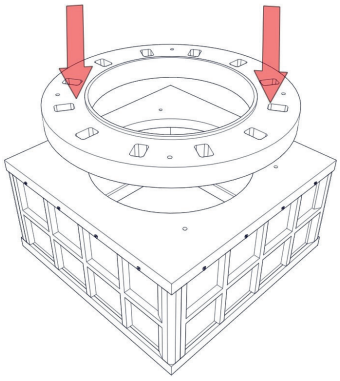
5 Install the remaining side in such a way that it fits correctly with the rest of the previously installed faces.



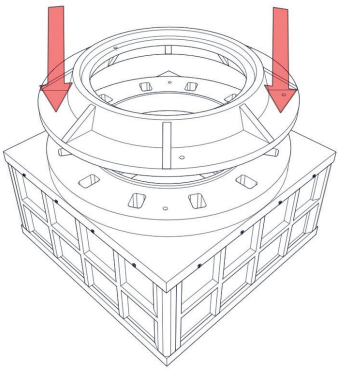
6 Install the top frame.



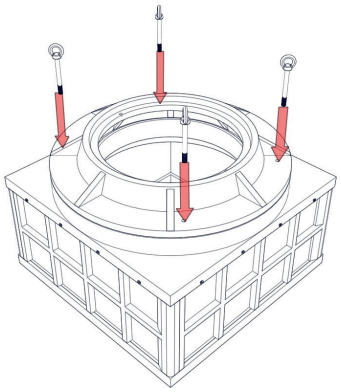
7 Attach 4 2 1⁄2" screws or dowels to secure the top frame to the side faces. The figure shows how to install 4 screws in one of the faces, do the same with the remaining faces.



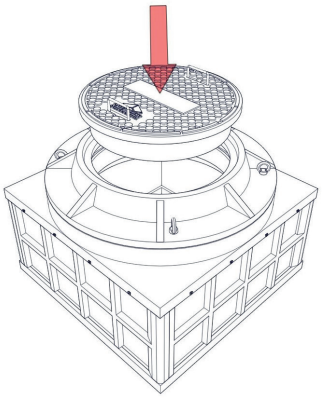
8 Place the leveling ring (optional) on the upper frame if your configuration requires it, otherwise continue with the next step.



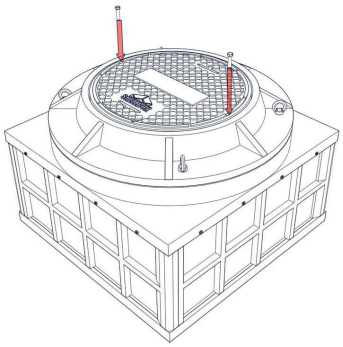
9 Place the register curb on the upper frame or on the leveling ring (if step 8 has been applied).



10 Rearrange the curb and leveling ring so that the 4 holes ¾" diameter line up with the holes in the upper frame, now place the 4 studs or eyebolts, and tighten them with their respective nut and washer.



11 Place the cover on the curb using the handles.



12 Finally, install 2 hexagonal screws to tighten the cover to the curb.

ORDER CONFIGURATION

SB-CARETT-SB N/C/HT/HTM

N: Black

C: Full Color

HT: Color on cover

HTM: Color on cover and frame

VERSION CONTROL

Ver. No.	Date	Description	Revised by	Approved by
00	22/02/2020	Original emission	Martín S. M.	Alicia Soto