

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

RENSON Sunprotection Screens NV Kalkhoevestraat 45 BE 8790 Waregem, Belgium

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Camargue® Aluminum Louvered Pergola

APPROVAL DOCUMENT: Drawing No. **23-577-ER**, titled "RENSON Camargue[®] Aluminum Louvered Pergola", sheet 1 through 17 of 17, dated 09/14/2023, prepared by the CBUCK, Inc. dba CBUCK Engineering, signed and sealed by James L. Buckner, P.E., bearing the Miami-Dade County Product Control revision stamp with the NOA number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: A permanent label with the manufacturer's name or logo, manufacturing plant's city, state, model/series, and following statement: "Miami-Dade County Product Control Approved" is to be located on each structure or device.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 20-1130.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.

MIAMI-DADE COUNTY
APPROVED

NOA No. 23-0926.09 Expiration Date: November 14, 2024 Approval Date: November 2, 2023

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under NOA # 19-0611.04

A. DRAWINGS

1. Drawing No. 17-104-ER, titled "RENSON Camargue® Aluminum Louvered Pergola", sheet 1 through 17 of 17, dated 10/23/2019, prepared by the CBUCK, Inc. dba CBUCK Engineering, signed and sealed by James L. Buckner, P.E.

B. TESTS

- 1. Test reports on Uniform Static Air Pressure Test, Loading per FBC TAS 202-94 and Gravity Loading Testing, along with marked-up drawings and installation diagram of Pergola 1, prepared by Intertek, Report No. **I0231.01-109-18**, dated 09/25/2018, signed and sealed by Joseph A. Reed, P.E.
- 2. Test reports on Uniform Static Air Pressure Test, Loading per FBC TAS 202-94, along with marked-up drawings and installation diagram of Pergola 2, prepared by Intertek, Report No. **I0752.01-109-18**, dated 09/26/2018, signed and sealed by Joseph A. Reed, P.E.
- 3. Test reports on Uniform Static Air Pressure Test, Loading per FBC TAS 202-94, along with marked-up drawings and installation diagram of Pergola 3, prepared by Intertek, Report No. **10754.01-109-18**, dated 09/26/2018, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS

1. None.

D. OUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

- 1. Statement letter of code conformance to the 6th edition (2017) FBC and of no financial interest issued by CBUCK, Inc. dba CBUCK Engineering, dated 09/04/2019, signed and sealed by James L. Buckner, P.E.
- 2. Distributor agreement dated 05/09/2019.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0926.09

Expiration Date: November 14, 2024 Approval Date: November 2, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA # 20-1130.04 and new

A. DRAWINGS

- 1. Drawing No. 23-577-ER, titled "RENSON Camargue® Aluminum Louvered Pergola", sheet 1 through 17 of 17, dated 09/14/2023, prepared by the CBUCK, Inc. dba CBUCK Engineering, signed and sealed by James L. Buckner, P.E. on11/11/2020.
- B. TESTS
 - 1. None.
- C. CALCULATIONS
 - 1. None.
- D. QUALITY ASSURANCE
 - 1. Miami-Dade Department of Regulatory and Economic Resources (RER).
- E. MATERIAL CERTIFICATIONS
 - 1. None.

F. STATEMENTS

- Drawing No. 23-577-ER statement letter of code conformance to the 8th edition (2023) of the FBC, issued by CBUCK, Inc. dba CBUCK Engineering, dated 09/14/2023, signed and sealed by James L. Buckner, P.E.
- 2. Drawing No. 17-104-ER.2 statement letter of code conformance to the 7th edition (2020) of the FBC, issued by CBUCK, Inc. dba CBUCK Engineering, dated 10/23/2019, signed and sealed by James L. Buckner, P.E. on 11/11/2020.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0926.09

Expiration Date: November 14, 2024 Approval Date: November 2, 2023

Engineering Report & Drawings

Of

RENSON®

"CAMARGUE®"

Aluminum Louvered Pergola

For

Miami-Dade Notice of Acceptance (N.O.A.)

Category:

Canopies

Sub - Category:

Sun Shades

Product Type:

Louvered Pergola Roof Canopy

Material:

Aluminum

Prepared by:

James L. Buckner, P.E.

Florida Professional Engineer # 31242

Report No.: 23-577-ER Date: 9 / 14 / 23

Contents:

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0926.09

10. 23-0920.09

Expiration Date 11/14/2024

By tun

Miami-Dade Product Control

Cover Page Page 1
Product Details Page 2
Performance Page 2
Limitations/Reference Data Page 3
Product Drawings & Details Page 4-17



MANUFACTURER: RENSON® Kalkhoevestraat 45 - BE 8790 WAREGEM, BELGIUM

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RENSON® "CAMARGUE®" ALUMINUM LOUVERED PERGOLA ENGINEERING REPORT

DATE: 9/14/23

PAGE #: 1 OF 17

REPORT #: 23-577-ER

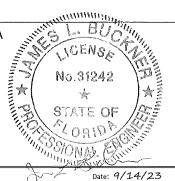
REVISES: 17-104-ER.2

PM: DG

REVISIONS: 9/14/23, 11/11/20

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CBUCK Engineering
Specialty Structural Engineering



1.0 Product:

1.1 Manufacturer:

RENSON®

1.2 Product Name:

"CAMARGUE®" Aluminum Louvered Pergola

1.3 Category:

Canopies

1.4 Subcategory:

Sun Shades

2.0 Evaluation Scope:

2.1 Evaluation Criteria:

2.1.1 Florida Building Code (FBC) 8th Edition (2023)

2.1.2 Code Section:

High Velocity Hurricane Zone (HVHZ)

2.1.3 Miami-Dade Department Of Regulatory And Economic Resources Proposal 18-0099

2.2 Properties Evaluated:

2.2.1 Structural Resistance Properties

2.2.1.1 Uniform Static Air Pressure per TAS 202

2.2.1.2 Gravity Load per FBC Chapter 16

2.2.2 Material Properties

2.2.2.1 Tensile Strength per ASTM E8/E8M-16a

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0926.09

Expiration Date 11/14/2024

By Huns

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2.3 Limits of Evaluation:

This product is limited to compliance with the criteria in section 2.1 and properties in Section 2.2 of this report.

3.0 Evaluated Uses:

RENSON® "CAMARGUE®" Aluminum Louvered Pergola has been evaluated for use as an exterior canopy sunshade.

4.0 Assembly Description:

4.1 General:

"CAMARGUE®" Aluminum Louvered Pergola is an exterior terrace cover consisting of an extruded aluminum frame and extruded aluminum rotating blades. Aluminum is coated in choice of colors. This evaluation includes "CAMARGUE®" Aluminum Louvered Pergola in the following dimensions:

4.2 Panel Dimensions:

Pergola	CAMARGUE® Models	Metric (mm)	Inches	Ft./Inches
1	6000 mm x 4000 mm	6200 mm x 3962 mm	244-3/32" x 155-31/32"	20'- 4-3/32" x 12'-11-31/32"
2	5000 mm x 3000 mm	5004 mm x 3004 mm	197" x 118-9/32"	16'-5" x 9'-10-9/32"
3	4000 mm x 2000 mm	4001 mm x 1988 mm	157-17/32" x 78-9/32"	13'- 1-17/32" x 6'- 6-9/32"

5.0 Performance:

5.1 Table 5-1: CAMARGUE® Uniform Allowable Design Pressures – (PSF)

Pergola	CAMARGUE®	Reinforced Blades?	Design Pressures ^{1,2}	Maximum
	Model	How Many?	(PSF)	Deflection
1	6000 mm x 4000 mm	No, 0	±35	L/80
2	5000 mm x 3000 mm	Yes, 6	±100	L/80
3	4000 mm x 2000 mm	Yes, 5	±120	L/180

Notes: ¹Design Pressures are based on ASD design with a safety factor of 2:1.

²Blades are in closed position.



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DATE: 9/14/23

PAGE #: 2 OF 17

REPORT #: 23-577-ER

REVISES: 17-104-ER.2

PM: DG

REVISIONS: 9/14/23, 11/11/20

CBUCK Engineering

Specialty Structural Engineering

CBUCK, Inc.

1374 Community Drive

Jupiter, FL 33458

(561) 491-9927

No.31242
No.31242
STATE OF
ORION
Date: 9/14/23

6.0 Limitations of Use:

- 6.1 This product is to be used as exterior shade structures such as patio and terrace covers, canopies or outdoor dining areas and similar.
- 6.2 Supporting frame members are beams and columns made from extruded aluminum alloy 6063 T66 shall be designed by a Qualified Design Professional.
- 6.3 Deflections in HVHZ for R3 structures under 12' Roof Projections are limited by L/80. Deflections in HVHZ for R3 structures over 12' Roof Projections are limited by L/180 per FBC 1616.3.1.
- 6.4 All metal components and fasteners shall be corrosion resistant in accordance with applicable sections of FBC, including but limited to Sections 1506.6. All roofing accessories shall comply with FBC Section 1517.5 and 1517.6.

Code Compliance

7.1 Product meets the High Velocity Hurricane Zone (HVHZ) Requirements of the Florida Building Code, 8th Edition (2023) for the properties evaluated.

8.0 Identification:

8.1 Each model shall bear a permanent label with the manufacturer's name or logo, manufacturing plant's city, state or the statement reading "Miami-Dade County Product Control Approved" is to be located on each aluminum Louvered Pergola model.

9.0 Reference Data:

9.1 TAS 202 - Uniform Static Air Pressure Test.

Report No.: 10752.01-109-18 RO, Report Date: 9/26/18

By: Intertek Building & Construction, Inc.

9.2 TAS 202 - Uniform Static Air Pressure Test.

Report No.: I0231.01-109-18 RO, Report Date: 9/25/18

By: Intertek Building & Construction, Inc.

9.3 TAS 202 – Uniform Static Air Pressure Test.

Report No.: 10754.01-109-18 RO, Report Date: 9/26/18

By: Intertek Building & Construction, Inc.

9.4 ASTM E8/E8M-16a - Metallic Tension Test

Report No.: 10231.01-109-18 RO, Report Date: 9/25/18

By: Intertek Building & Construction, Inc.

9.5 Gravity Load Test

Report No.: I0231.01-109-18 RO, Report Date: 9/25/18

By: Intertek Building & Construction, Inc.

PRODUCT REVISED

as complying with the Florida Building Code

23-0926.09 NOA-No.

Expiration Date 11/14/2024

Miami-Dade Product Control



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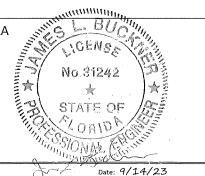
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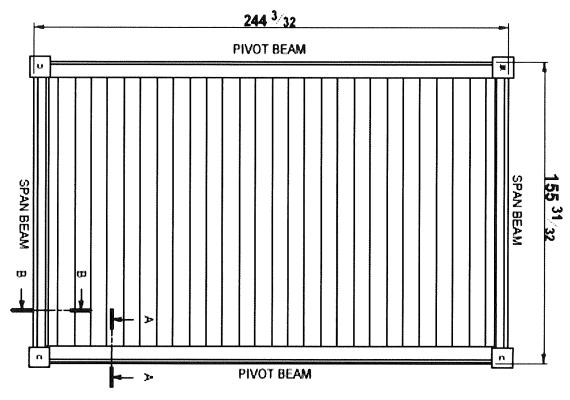
RENSON® "CAMARGUE®" ALUMINUM LOUVERED PERGOLA **ENGINEERING REPORT**

DATE: 9/14/23 CBUCK Engineering PAGE #: 3 OF 17 REPORT #: 23-577-ER CBUCK. Inc. REVISES: 17-104-ER.2 PM: DG REVISIONS: 9/14/23, 11/11/20

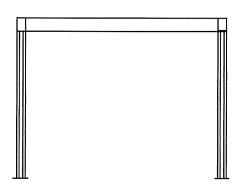
Specialty Structural Engineering 1374 Community Drive Jupiter, FL 33458 (561) 491-9927



CAMARGUE - PERGOLA 1 (WITH NO REINFORCED LOUVRES)



CAMARGUE - PERGOLA 1 TOP VIEW



PRODUCT REVISED as complying with the Florida Building Code 23-0926.09 NOA-No. Expiration Date 11/14/2024

Miami-Dade Product Control

CAMARGUE - PERGOLA 1 SIDE VIEW - SPAN BEAM CAMARGUE - PERGOLA 1 SIDE VIEW-PIVOT BEAM



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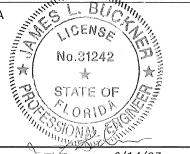
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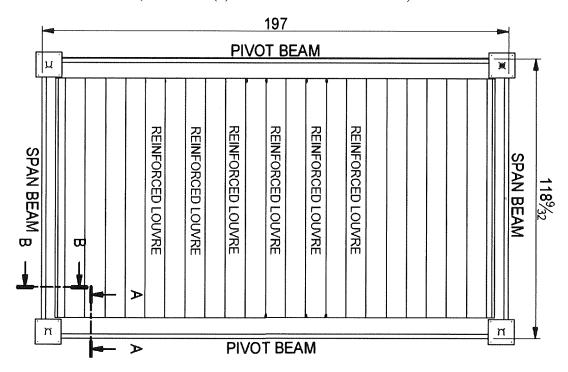
RENSON® "CAMARGUE®" ALUMINUM LOUVERED PERGOLA **ENGINEERING REPORT**

DATE: 9/14/23 CBUCK Engineering PAGE #: 4 OF 17 Speciality Structural Engineering REPORT #: 23-577-ER CBUCK, Inc. REVISES: 17-104-ER.2 1374 Community Drive PM: DG Jupiter, FL 33458 (561) 491-9927

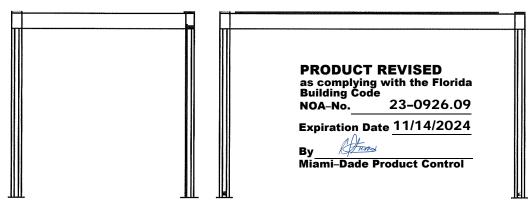
REVISIONS: 9/14/23, 11/11/20



CAMARGUE - <u>PERGOLA 2</u> (WITH SIX (6) REINFORCED LOUVERS)



CAMARGUE - <u>PERGOLA 2</u> TOP VIEW



CAMARGUE - <u>PERGOLA 2</u> SIDE VIEW - SPAN BEAM CAMARGUE - <u>PERGOLA 2</u> SIDE VIEW - PIVOT BEAM



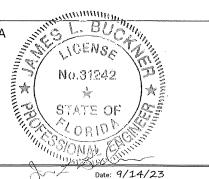
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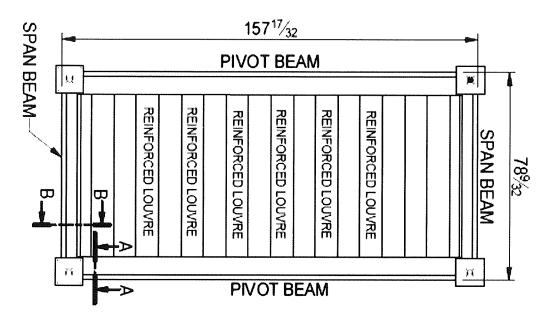
RENSON® "CAMARGUE®" ALUMINUM LOUVERED PERGOLA ENGINEERING REPORT

DATE: 9/14/23
PAGE #: 5 OF 17
REPORT #: 23-577-ER
REVISES: 17-104-ER.2
PM: DG
REVISIONS: 9/14/23, 11/11/20

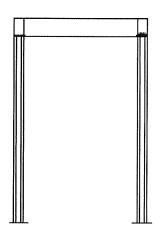
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CBUCK, Inc.
1374 Community Drive



CAMARGUE - PERGOLA 3 (WITH SIX (6) REINFORCED LOUVRES)



CAMARGUE - PERGOLA 3 TOP VIEW



CAMARGUE - PERGOLA 3 SIDE VIEW - SPANBEAM

PRODUCT REVISED as complying with the Florida Building Code 23-0926.09 NOA-No. Expiration Date 11/14/2024 Miami-Dade Product Control

CAMARGUE - PERGOLA 3 SIDE VIEW - PIVOT BEAM

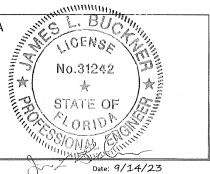
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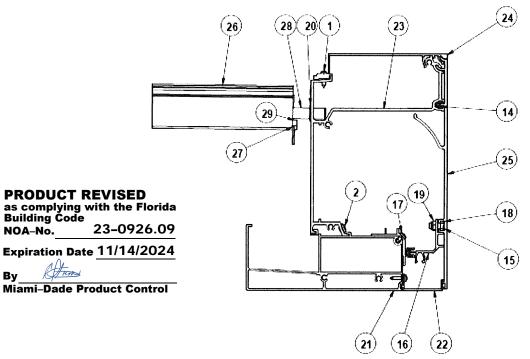
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RENSON® "CAMARGUE®" ALUMINUM LOUVERED PERGOLA **ENGINEERING REPORT**

DATE: 9/14/23 CBUCK Engineering PAGE #: 6 OF 17 Specialty Structural Engineering REPORT #: 23-577-ER CBUCK, Inc. REVISES: 17-104-ER.2 1374 Community Drive Jupiter, FL 33458 (561) 491-9927 REVISIONS: 9/14/23, 11/11/20



CAMARGUE - PERGOLA 1, 2 & 3 PIVOT BEAMCROSS SECTION



PIVOT BEAMCROSS SECTION EXPOLODED DETAIL A-A

	PARTS LIST		
ITEM	PART NUMBER	DESCRIPTION	
1	G6000715	DIN7981 CH - \$t3,5 x16 (thread 0.14" x length 0.63")	
2	G0002376	DIN 7337A - Ø4x8 (thread 0.16" x length 0.31")	
14	G6020944	CLIPS SCHÜCO	
15	G6020952	LOCK BRACKET FRONT COVER END	
16	G6021018	FRONT COVER CLIPS CAMARGUE	
17	G0002251	DIN7981 CH - St4,2 x9,5 (thread 0.17" x length 0.37")	
18	G0002890	DIN 933 - M6 x 12 (thread 0.24" x length 0.47")	
19	G0000164	DIN 985 - M6 (thread 0.24")	
20	G6020606	PLAIN BEARING IGUS GFM 1012-17	
21	T6091802	GUTTER PIVOT_P2	
22	T6092104	SCREEN CLOSING GAB_1B_P2	
23	T6095802	CENTER BAR PROFILE_P2	
24	T6097602	TOP COVER_P2	
25	P6095510	FRONT COVER_1B_P2	
26	P6053510	LAMEL HOC USA	
27	G6020919	DRIP PROFILE IN LAMEL R	
28	G6020973	AXIS LAMEL CAMARGUE EVO	
29	G6021257	AXIS SUPPORT ALU	



NOA-No.

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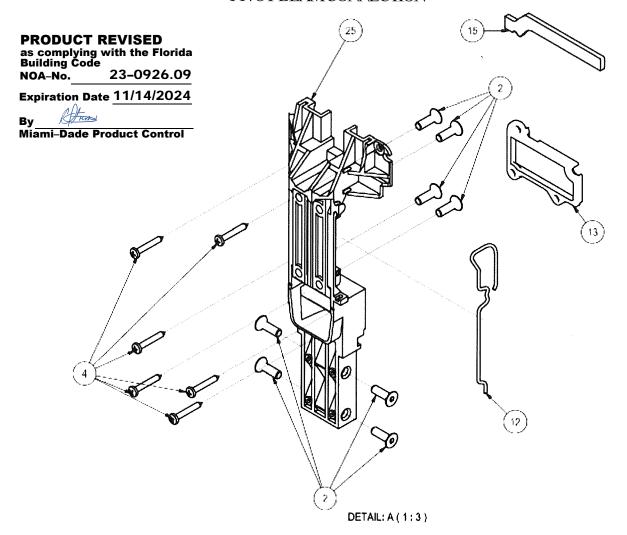
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RENSON® "CAMARGUE®" ALUMINUM LOUVERED PERGOLA **ENGINEERING REPORT**

DATE: 9/14/23 CBUCK Engineering 7 OF 17 PAGE #: Speciality Structural Engineering REPORT #: 23-577-ER CBUCK, Inc. REVISES: 17-104-ER.2 1374 Community Drive Jupiter, FL 33458 (561) 491-9927 REVISIONS: 9/14/23, 11/11/20

CLOENOR No.31242 STATE OF

CAMARGUE - PERGOLA 1, 2 & 3
PIVOT BEAMCONNECTION



	PARTS LIST		
ITEM	PART NUMBER	DESCRIPTION	
2	G0002134	DJN 7991 - M8x25 - DUROC (thread 0,3" x [ength 0,98")	
4	G0002522	DIN7981 CH = St5,5 x38 (thread 0.22° x length 1,48°)	
12	G5020992	SAFETY PIN STD END CAP	
13	G6021001	SEALING GUTTER OPEN ISTO ENDICAP,L	
15	G6021011	SEALING ENGINE COMPARTMENT STD END CAP,L	
25	G6021258-60	END CAP L	

PIVOT BEAM CONNECTION EXPLODED DETAIL A



MANUFACTURER: RENSON® Kalkhoevestraat 45 - BE 8790 WAREGEM, BELGIUM

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RENSON® "CAMARGUE®" ALUMINUM LOUVERED PERGOLA ENGINEERING REPORT

DATE: 9/14/23

PAGE #: 8 OF 17

REPORT #: 23-577-ER

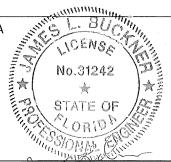
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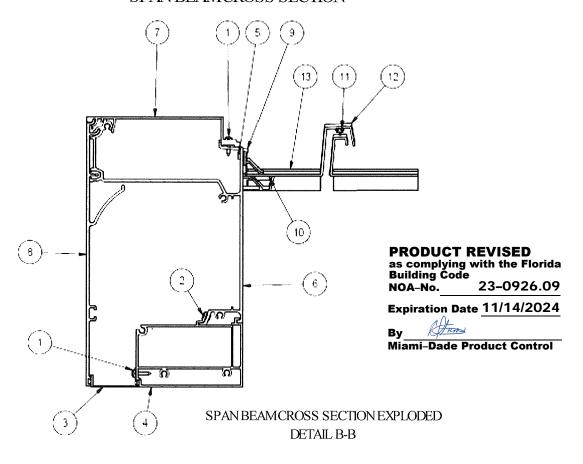
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CAMARGUE - PERGOLA 1, 2 & 3 SPAN BEAMCROSS SECTION



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3	T6092105	SCREEN CLOSING GAP_2B_S1	
4	T6091901	GUTTER SPAN_S1	
5	G0002376	DIN 7337A - Ø4x8 (thread 0.16" x length 0.31")	
6	P6095810	CENTER BAR PROFILE_S1	
7	T6097603	TOP COVER_S1	
8	P6095510	FRONT COVER_2A_S1	
9	T6095601	BEARING PROFILE REMAININGL NEW	
10	G6021093	SECURING PART FIXED BLADE	
11	P6040810	BRUSH LAMEL GRAY	
12	T6093401	LAMEL FIXED S1	
13	P0710510	LAMEL FIXED DRIP S1	



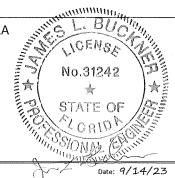
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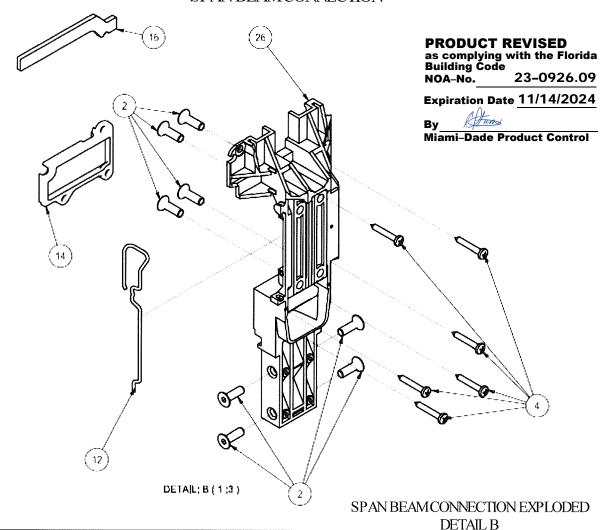
+32(0)56 62 71 11

RENSON® "CAMARGUE®" ALUMINUM LOUVERED PERGOLA **ENGINEERING REPORT**

DATE: 9/14/23	CBUCK Engineering
PAGE #: 9 OF 17	Specialty Structural Engineering
REPORT #: 23-577-ER	CBUCK, Inc.
REVISES: 17-104-ER.2	1374 Community Drive
PM: DG	Jupiter, FL 33458
REVISIONS: 9/14/23, 11/11/20	(561) 491-9927



CAMARGUE - PERGOLA 1, 2 & 3 SPAN BEAM CONNECTION



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15	G6021011	SEALING ENGINE COMPARTMENT STD END CAP.L	
26	G6021259-61	END CAP R	



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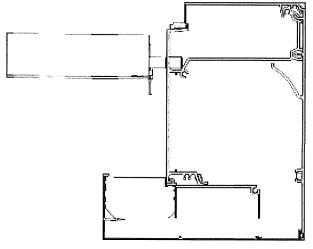
RENSON® "CAMARGUE®" ALUMINUM LOUVERED PERGOLA **ENGINEERING REPORT**

ENGINEERING NET ON	
DATE: 9/14/23	CBUCK Engineering
PAGE #: 10 OF 17	Speciality Structural Engineering
REPORT #: 23-577-ER	CBUCK, Inc.
REVISES: 17-104-ER.2	1374 Community Drive
PM: DG	Jupiter, FL 33458
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CAMARGUE - PERGOLA 1, 2 & 3 LOUVER BLADE CONNECTION



C-C (1.3) CONVECTION LOUVER BLADE

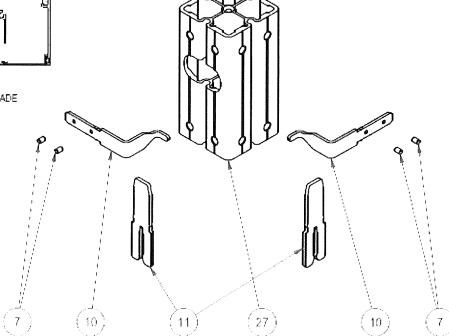
LOUVER BLADE CONNECTION DETAIL C-C

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0926.09

Expiration Date 11/14/2024

By Fun

Miami-Dade Product Control



DETAIL: C (1:3)

LOUVER BLADE CROSS SECTION EXPLODED DETAIL C

İ.	PARTS LIST		
ITEM	PART NUMBER	DESCRIPTION	
10	G6020952	RETAINING BRACKET FRONT COVER END	
7	G6001754	DIN 913 - M4 x 6 (thread 0,16" x length 0,24")	
11	G6020958	CLAMPING SPINDLE	
27	G6021266	ENDPIECE CONNECTOR CAM	

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DATE: 9/14/23

PAGE #: 11 OF 17

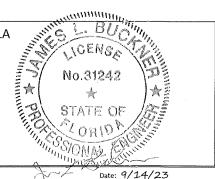
REPORT #: 23-577-ER

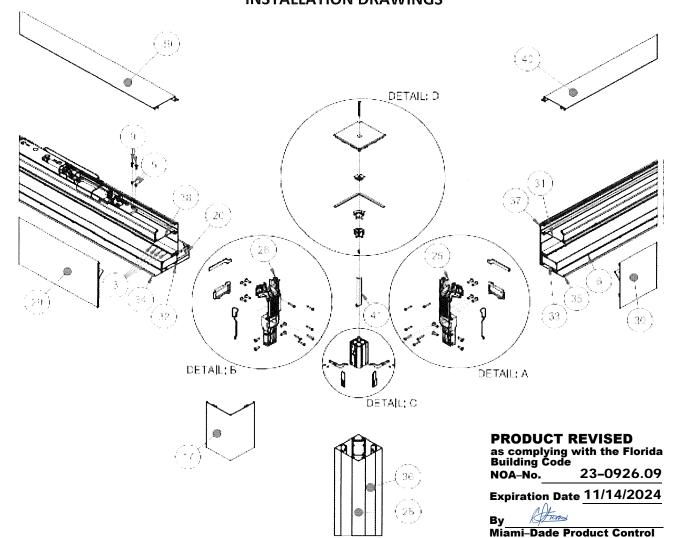
REVISES: 17-104-ER.2

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REVISIONS: 9/14/23, 11/11/20

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CAMARGUE MOTOR SIDE CORNER DETAIL EXPLODED

	PARTS LIST		
ITEM	PART NUMBER	DESCRIPTION	
3	G0002376	DIN 7337A - Ø4x8 (thread 0,16" x length 0,31")	
5	G0004297	Tubtara M5 UFO 35 (thread 0.20" x length 1.38")	
6	G6000715	DIN7981 CH - St3,5 x16 (thread 0.14" x length 0.63")	
9	G6020929	ISO 7380 MF TORX M5 x 20 - A2 (thread 0.20" x length 0.79")	
32	T6091801	GUTTER PIVOT_P1	
34	T6092101	SCREEN CLOSING CAP_2A_P1	
25	G6021258-60	END CAP L	
26	G6021259-61	END CAP R	
38	T6095801	CENTER BAR PROFILE_P1	
39	T6097601	TOP COVER_P1	
29	P6095510	FRONT COVER_2A_P1	

	PARTS LIST		
ITEM	PART NUMBER	DESCRIPTION	
17	G6021059	CORNER COVER, CORNER WITH COLUMN NO LOGO	
35	T6092105	SCREEN CLOSING CAP_2B_S1	
33	T6091901	GUTTER SPAN_S1	
31	P6095810	CENTER BAR PROFILE_S1	
40	T6097603	TOP COVER_S1	
30	P6095510	FRONT COVER_2A_S1	
37	T6095601	BEARING PROFILE REMAINING NEW	
41	G6021017	FINISH CORNER MITER	
20	G6021242	PIVOT GUT CAP COVER R	
36	T6092502	COLUMN_2A	
28	P6092610	CORNER PROFIELI_2A	



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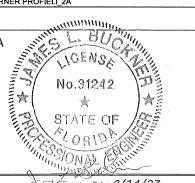
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RENSON® "CAMARGUE®" ALUMINUM LOUVERED PERGOLA **ENGINEERING REPORT**

DATE: 9/14/23 PAGE #: 12 OF 17 REPORT #: 23-577-ER REVISES: 17-104-ER.2 PM: DG REVISIONS: 9/14/23, 11/11/20

CBUCK Engineering Specialty Structural Engineering

CBUCK, Inc. 1374 Community Drive Jupiter, FL 33458 (561) 491-9927



RENSON® "CAMARGUE" ALUMINUM LOUVERED PERGOLA **INSTALLATION DRAWINGS** 39 40 DETAIL: D 38 37 20 26 29 DETAIL: B DETAIL: A DETAIL; C **PRODUCT REVISED** as complying with the Florida Building Code 36 23-0926.09 NOA-No. Expiration Date 11/14/2024 28 Miami-Dade Product Control

CAMARGUE NON-MOTOR SIDE CORNER DETAIL EXPLODED

	PARTS LIST		
ITEM	PART NUMBER	DESCRIPTION	
3	G0002376	DIN 7337A - Ø4x8 (thread 0,16" x length 0,31")	
5	G0004297	Tubtara M5 UFO 35 (thread 0,20" x length 1,38")	
6	G6000715	DiN7981 CH - St3,5 x16 (thread 0,14" x length 0,63")	
9	G6020929	ISO 7380 MF TORX M5 x 20 - A2 (thread 0.20" x length 0.79")	
32	T6091801	GUTTER PIVOT_P1	
34	T6092101	SCREEN CLOSING CAP_2A_P1	
25	G6021258-60	END CAP L	
26	G6021259-61	END CAP R	
38	T6095801	CENTER BAR PROFILE_P1	
39	T6097601	TOP COVER_P1	
29	P6095510	FRONT COVER_2A_P1	

PARTS LIST				
ITEM	PART NUMBER	DESCRIPTION		
17	G6021059	CORNER COVER, CORNER WITH COLUMN NO LOGO		
35	T6092105	SCREEN CLOSING CAP_2B_S1		
33	T6091901	GUTTER SPAN_S1		
31	P6095810	CENTER BAR PROFILE_S1		
40	T6097603	TOP COVER_S1		
30	P6095510	FRONT COVER_2A_S1		
37	T6095601	BEARING PROFILE REMAINING NEW		
41	G6021017	FINISH CORNER MITER		
20	G6021242	PIVOT GUT CAP COVER R		
36	T6092502	COLUMN_2A		
28	P6092610	CORNER PROFIELI_2A		



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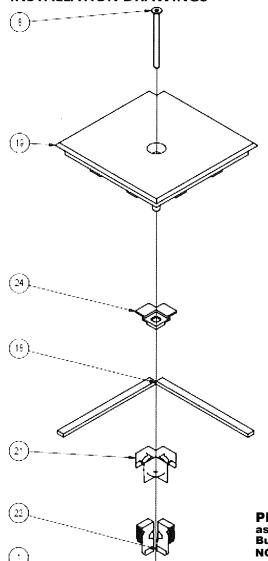
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DATE: 9/14/23
PAGE #: 13 OF 17
REPORT #: 23-577-ER
REVISES: 17-104-ER.2
PM: DG

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Expiration Date 11/14/2024

By Miami-Dade Product Control

DETAIL: D (1:3)

CAMARGUE CORNER CROSS SECTION EXPLODED DETAIL D

	PARTS LIST		
ITEM	PART NUMBER	DESCRIPTION	
8	G6001756	DIN 7991 - M6x80 (thread 0.24" x length 3.15")	
18	G6021080	NORTON HFT 2521 0.18" x 0.39" ZW	
21	G6021246	HOEKSTUK AFWERKKAP 5.91" x 5.91"	
1	G0002113	DIN 7985 H -M4x12 (thread 0.16" x length 0.47")	
22	G6021249	SEALING CORNER PIECE UPDATE L	
24	G6021252	SEALING CORNER PIECE END CAPS	
19	G6021158	TOP FINISHING PLATE	

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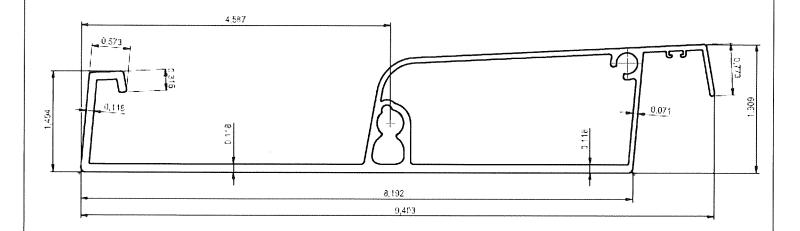
ENGINEERING REPORT				
DATE: 9/14/23	CBUCK Engineering			
PAGE #: 14 OF 17	Specialty Structural Engineering			
REPORT #: 23-577-ER	CBUCK, Inc.			
REVISES: 17-104-ER.2	1374 Community Drive			
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Date: 9/14/23



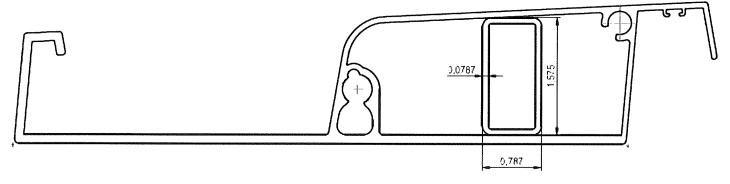
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NON – REINFORCED LOUVER BLADE (EXTRUDED ALUMINUM ALLOY 6060 T66)



REINFORCED LOUVER BLADE
(EXTRUDED ALUMINUMALLOY 6060 T66)
WITH STAINLESS STEEL TUBES 1.575"X 0.787"X 0.0787"



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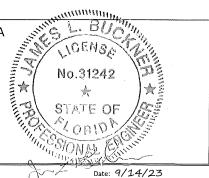
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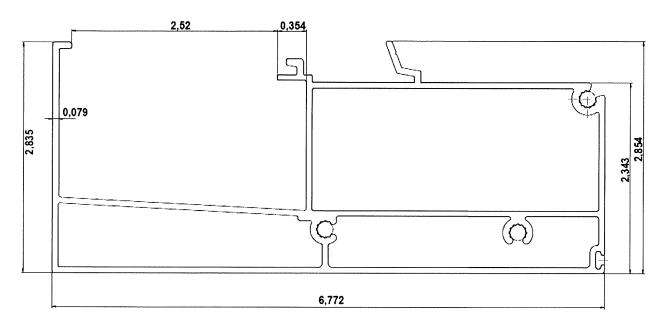
DATE: 9/14/23
PAGE #: 15 OF 17
REPORT #: 23-577-ER
REVISES: 17-104-ER.2
PM: DG

DATE: 9/14/23
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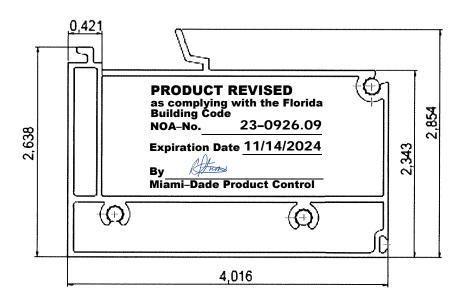
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PIVOT BEAMBOTTOMPROFILE (EXTRUDED ALUMINUM ALLOY 6063 T66)



SPAN BEAMBOTTOMPROFILE (EXTRUDED ALUMINUMALLOY 6063 T66)



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DATE: 9/14/23

PAGE #: 16 OF 17

REPORT #: 23-577-ER

REVISES: 17-104-ER.2

PM: DG

REVISIONS: 9/14/23, 11/11/20

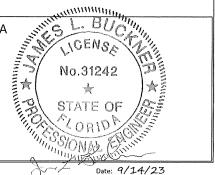
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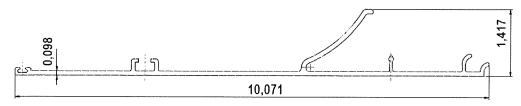
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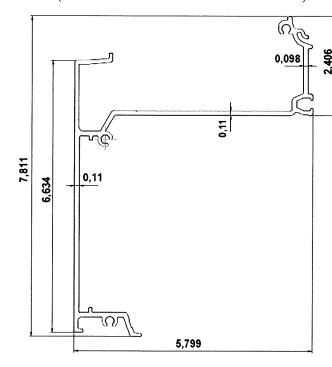
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BEAMFRONT COVER (EXTRUDED ALUMINUM ALLOY 6063 T66)



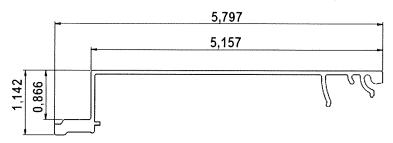
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BEAMMIDDLE PROFILE (EXTRUDED ALUMINUM ALLOY 6063 T66)



BEAMCOVER CAP

(EXTRUDED ALUMINUM ALLOY 6063 T66)



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