



ASN CERTIFICATE NUMBER

20150723\_MAZDA\_MX-5

# SAFETY CAGE CERTIFICATE

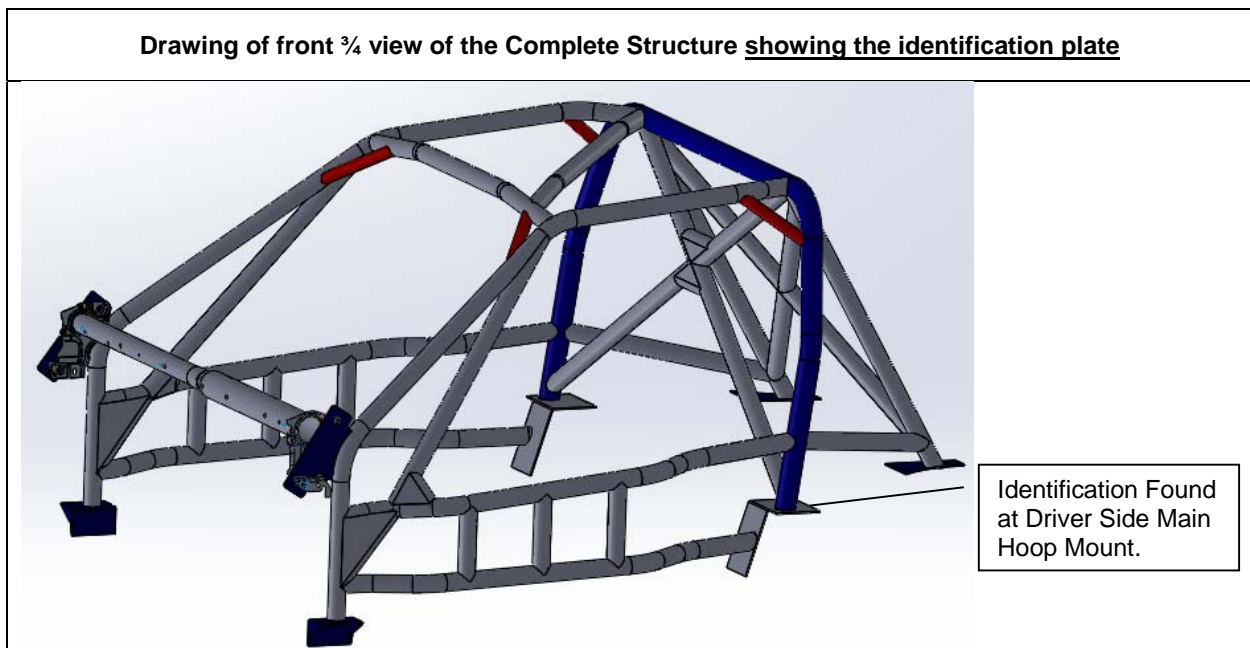
In compliance with FIA Homologation Regulations for Safety Cages

This Certificate is valid only for the Safety Cage bearing the Serial Number shown on Page 6 of 6

|                          |  |
|--------------------------|--|
| Safety Cage Manufacturer | <u>Flis Performance</u>                                |
| Address                  | <u>106 Anita Ave</u><br><u>Daytona Beach, FL 32114</u> |
| Phone n° + email         | <u>386-256-7021 todd@flisperformance.com</u>           |

The structure shown on this form is manufactured for the following vehicle:

|   |              |       |             |                       |             |
|---|--------------|-------|-------------|-----------------------|-------------|
| Make  | <u>Mazda</u> | Model | <u>MX-5</u> | Year/Model Identifier | <u>2016</u> |
| Vehicle Homologation Number(s)*<br>*if applicable |              | _____ |             |                       |             |



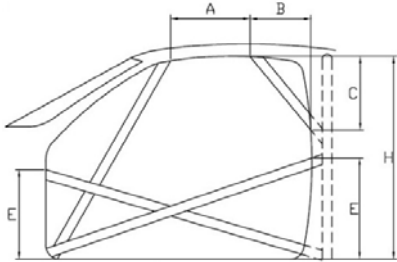
It is accepted by all parties and entities concerned with this document and its content that, in the last resort, the FIA holds full authority to testify to the regulatory validity of this certificate in case of difficulties regarding the application or interpretation of the rules and/or requirements referred to above



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**DETAILS OF STRUCTURE**



A = 455.4 mm      B = 31 mm  
 C = 71 mm      E = 325.6 mm  
 H = 816.5 mm

**(highest figure only)**



Show location of each type on drawing

| All Dimensions<br>± 0.1mm              | Show location of each type on drawing                   |                       |               |                               |
|--|---|-----------------------|---------------|-------------------------------|
|  | Main Rollbar  | Front/Lateral Rollbar | Backstays     | Main rollbar Diagonal members |
| External Diameter                      | <u>45</u> mm  | <u>38</u> mm          | <u>38</u> mm  | <u>38</u> mm                  |
| Wall Thickness                         | <u>2.5</u> mm   | <u>2.5</u> mm         | <u>2.5</u> mm | <u>2.5</u> mm                 |
| Method of attachment to Body Shell     | <u>Full Weld to 3mm BasePlates Welded to Body Shell</u> |                       |               |                               |
| Weight of Safety Cage, inc. fastenings | <u>50.5</u> kg  |                       |               |                               |

This document is valid only if fully completed and issued as a validated original document by **INTERNATIONAL MOTOR SPORTS ASSOCIATION** (The issuing ASN).

It must be presented, in full, on demand to FIA or ASN delegates or Technical Scrutineers of the Meeting (Event). The authorisation of this form by the issuing ASN certifies that the structure shown herein complies with the basic strength and configuration requirements of the FIA Homologation Regulations for Safety Cages.

It does not certify that the structure complies with the requirements of any particular event or technical regulations. **This certificate becomes invalid if the structure is modified in any way from the design shown herein.**

| <b>FOR THE USE OF THE ISSUING ASN ONLY</b>  |   |
|---|---|
| The issuing ASN, having been satisfied that the Safety Cage design identified in this Certificate has been demonstrated to meet the requirements of the FIA Homologation Regulations for Safety Cages, certifies that the design of the Safety Cage Structure is valid for use, subject to the restrictions listed below, in all events sanctioned by the issuing ASN and International events sanctioned by the FIA. |   |
| Name of Authorising Officer   | <u>Geoffrey R. Carter</u>   |
| Position  | <u>Senior Director - Technical Regulations &amp; Compliance</u>   |
| Signed  |   |
| Date  | <u>03</u> / <u>18</u> / <u>2020</u>   |
| Remarks/Restrictions (For the use of the issuing ASN only)  |   |
| _____<br>_____<br>_____<br>_____<br>_____   |   |



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**PHOTO 1**  
FRONT ¼ VIEW OF CAGE



**PHOTO 2**  
REAR ¼ VIEW OF CAGE



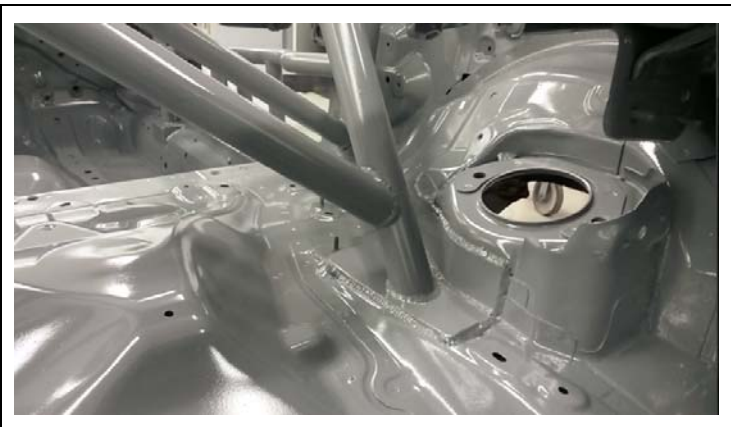
**PHOTO 3**  
VIEW FROM SIDE OF CAR



**PHOTO 4**  
MAIN ROLLBAR TO FLOOR  
ATTACHMENT



**PHOTO 5**  
REAR BACKSTAY TO BODY ATTACHMENT



**PHOTO 6**  
FRONT ROLLBAR TO FLOOR  
ATTACHMENT





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**PHOTO 7**  
FRONT ROLLBAR ATTACHMENT TO "A" PILLAR



**PHOTO 8**  
MAIN ROLLBAR ATTACHMENT TO "B" PILLAR

IF NO PHOTOGRAPH IS ATTACHED,  
THE STRUCTURE DESCRIBED  
ON THIS FORM HAS NO "B" PILLAR  
ATTACHMENT

**PHOTO 9**  
ATTACHMENT TO FRONT  
SUSPENSION

IF NO PHOTOGRAPH IS ATTACHED,  
THE STRUCTURE DESCRIBED  
ON THIS FORM DOES NOT HAVE AN  
ATTACHMENT TO THE FRONT  
SUSPENSION TOWERS

**PHOTO 10**  
DRIVER'S DOOR ANTI-INTRUSION DOORBAR



**PHOTO 11**  
LOCATION OF IDENTIFICATION PLATE



**PHOTO 12**  
DETAIL OF IDENTIFICATION PLATE







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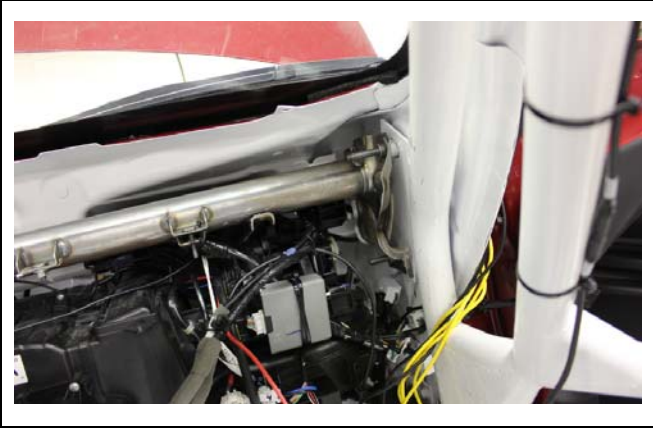
**PHOTO 13**  
SHOULDER HARNESS ATTACHMENT – DRIVER

IF NO PHOTOGRAPH IS ATTACHED, THE STRUCTURE DESCRIBED ON THIS FORM DOES NOT HAVE AN ATTACHMENT FOR THE SAFETY HARNESS SHOULDER STRAPS

**PHOTO 14**  
SHOULDER HARNESS ATTACHMENT – CO-DRIVER

IF NO PHOTOGRAPH IS ATTACHED, THE STRUCTURE DESCRIBED ON THIS FORM DOES NOT HAVE AN ATTACHMENT FOR THE SAFETY HARNESS SHOULDER STRAPS

**PHOTO 15**  
OTHER DETAILS OF CAGE – Modified Stock Dash Bar



**PHOTO 16**  
OTHER DETAILS OF CAGE

IF NO PHOTOGRAPH IS ATTACHED, THE STRUCTURE DESCRIBED ON THIS FORM DOES NOT HAVE AN ATTACHMENT FOR THE SAFETY HARNESS SHOULDER STRAPS

**PHOTO 17**  
OTHER DETAILS OF CAGE

IF NO PHOTOGRAPH IS ATTACHED, THE STRUCTURE DESCRIBED ON THIS FORM DOES NOT HAVE AN ATTACHMENT FOR THE SAFETY HARNESS SHOULDER STRAPS

**PHOTO 18**  
OTHER DETAILS OF CAGE

IF NO PHOTOGRAPH IS ATTACHED, THE STRUCTURE DESCRIBED ON THIS FORM DOES NOT HAVE AN ATTACHMENT FOR THE SAFETY HARNESS SHOULDER STRAPS



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|   |  |
|---|--|
| V.I.N. or Chassis Identification Number |  |
| Safety cage identification Number       |  |

**MANUFACTURER'S DECLARATION AND DETAILS:**

I declare that the Safety Cage Structure described on this form and fitted to the vehicle described above:

- was constructed and installed in accordance with the specifications and design shown herein.
- has been manufactured so that all aspects of the Safety Cage design, including configuration and strength requirements and welded and demountable joints and mountings, will be in conformity with the requirements of the FIA Homologation Regulations for Safety Cages.
- has been identified by an engraved plate bearing the name or logo of the manufacturer, the ASN Certificate number and a unique manufacturer's serial number.

|                     |   |  |
|---------------------|---|--|
| Manufacturer's Name | <u>Flis Performance</u>   |  |
| Address             | <u>106 Anita Ave</u><br><u>Daytona Beach, FL 32114</u><br>_____ |  |
| Phone n° + Email    | <u>386-256-7021</u><br><u>todd@flisperformance.com</u>          |  |
| Signature:          |   |  |
| Name of Signatory#: | <u>Troy Flis</u>  |  |

**MANUFACTURER'S AGENT:** (For Safety Cages installed by an Agent)

The following Agent is authorised to act on the manufacturer's behalf to install this Safety Cage design.

|                  |                         |
|------------------|-------------------------|
| Agent's Name     | _____                   |
| Address          | _____<br>_____<br>_____ |
| Phone n° + Email | _____                   |

|  |
|--|
| <b>Instructions to the installer of the Safety Cage</b>  |
| <p>The ASN may list here any instructions it wishes to be followed for the processing of the certificate</p> |



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## SUPPLEMENTARY DOSSIER FOR CERTIFICATION FOR A SAFETY CAGE

**Notice to Applicants:** All information in this Supplementary Dossier will be treated as Confidential by INTERNATIONAL MOTOR SPORTS ASSOCIATION, and no information on the present form will be released without the permission of the applicant, other than when requested by the FIA or statutory authorities.

ASN instructions here

**Such Certificate will be invalid if the structure is modified in any way from the design shown herein.**

**MANUFACTURER'S DECLARATION AND DETAILS:**

I declare that all Safety Cage Structures built to the design described on this form:

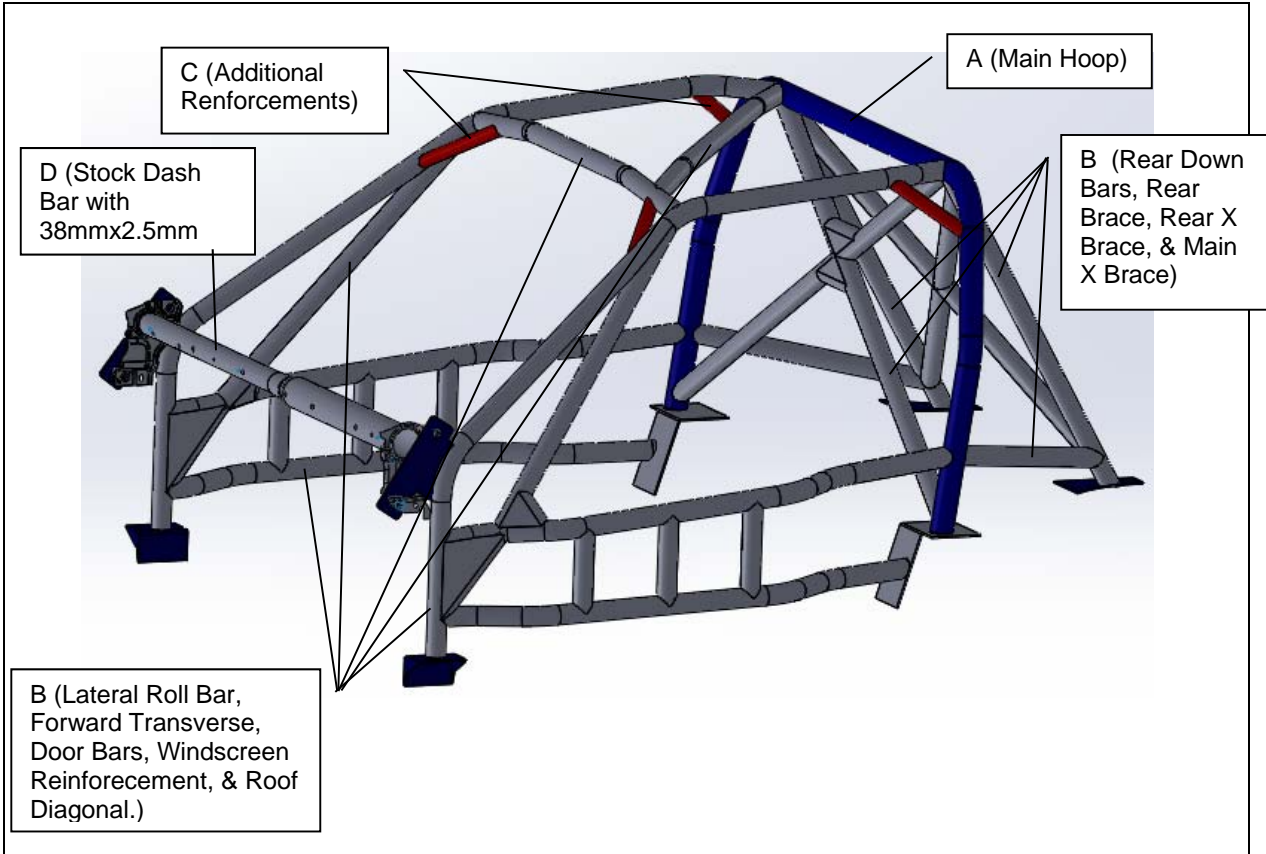
- will be constructed by me, or under my supervision, or by my authorised agent in accordance with the specifications and design shown herein.
- will be manufactured so that all aspects of the Safety Cage design, including configuration and strength requirements, welded and demountable joints and mountings, will be in conformity with the requirements of the FIA Homologation Regulations for Safety Cages.
- will be identified by an engraved plate bearing the name or logo of the manufacturer, the INTERNATIONAL MOTOR SPORTS ASSOCIATION Certificate number and a unique manufacturer's serial number.

|                      |   |  |
|----------------------|---|--|
| Name of Manufacturer | <u>Flis Performance</u>   |  |
| Address              | <u>106 Anita Ave.</u><br><u>Daytona Beach FL, 32114</u><br>_____                              |  |
| Phone n° + email     | <u>386-256-7021</u><br><a href="mailto:todd@flisperformance.com">todd@flisperformance.com</a> |  |
| Signature            |   |  |
| Name of Signatory    | <u>Troy</u> / /<br><u>Flis</u>  |  |



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**LABELLED DRAWING OF THE SAFETY CAGE STRUCTURE SHOWING ALL TUBING DIMENSIONS**



| All Dimensions<br>± 0.1mm | Show location of each type on drawing |                   |                |                       |
|---------------------------|---------------------------------------|-------------------|----------------|-----------------------|
| Label                     | Grade of Steel                        | External Diameter | Wall Thickness | Min. Tensile Strength |
| A                         | SAE 1020, DOM                         | 45 mm             | 2.5 mm         | 350 N/mm <sup>2</sup> |
| B                         | SAE 1020, DOM                         | 38 mm             | 2.5 mm         | 350 N/mm <sup>2</sup> |
| C                         | SAE 1020, DOM                         | 25.4 mm           | 1 mm           | 350 N/mm <sup>2</sup> |
| D                         | SAE 1020, DOM                         | 38 mm             | 2.5 mm         | 350 N/mm <sup>2</sup> |
| ---                       | ---                                   | ---               | ---            | ---                   |
| ---                       | ---                                   | ---               | ---            | ---                   |
| ---                       | ---                                   | ---               | ---            | ---                   |
| ---                       | ---                                   | ---               | ---            | ---                   |
| ---                       | ---                                   | ---               | ---            | ---                   |





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### TESTING CENTRE OR ENGINEERING COMPANY REPORT

If a report is required, please give details below, and submit the report with this application :

|   |       |
|---|-------|
| Name of <b>Testing Centre</b> recognised by the FIA or <b>Company</b> approved by the FIA for the calculation of safety cages | _____ |
| Test report number  | _____ |
| Date of Test or Issue of Report   | _____ |
| Calculation report number   | _____ |
| Date of Calculation or Issue of Report  | _____ |

### MANUFACTURER'S DOSSIER

Your ASN may require you to submit a Manufacturer's Dossier, or provide other information if you have not previously been authorised to produce safety cages. Please contact your ASN to ascertain what requirements, if any, may be imposed prior to the issuing of this Certificate.