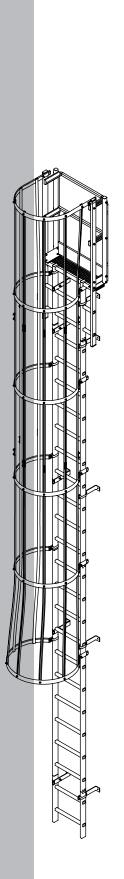
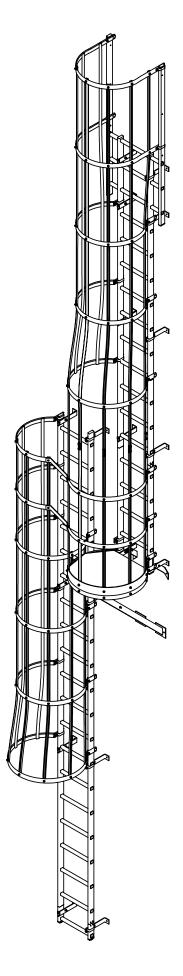
ALUMINUM C 리 DDER

COMPLIANT

ANSI-ASC A14.3-2008 National Building Code of Canada **Quebec Construction Code Ontario Building Code**











INSTRUCTIONS BEFORE USE

GENERAL SAFETY RULES

The installation of a caged ladder most often takes place on high accesses not yet made safe. It is therefore imperative to take all appropriate protective measures to ensure that users are protected, in accordance with the regulations in force

2 PRECAUTIONS FOR WORKING AT HEIGHT

The installation of a caged ladder most often takes place on high accesses not yet made safe. It is therefore imperative to take all appropriate protective measures to ensure that users are protected, in accordance with the regulations in force.

3 PREVENTION OF FALLS

When working on a roof, whether climbing or descending, adequate preventive measures must be taken in case there is the risk of falling. These measures should be taken before starting a job and remain in place until it is completed. The weather conditions must be taken into account when working at height, in order not to be surprised by wet, windy or chilly conditions, which can increase the risk of falling of the operator or the material.

4 FALLING MATERIALS

Falling materials can have serious consequences. Make sure they are properly stored, especially in difficult weather conditions. Be careful not to create a pile of materials that could fall. Under no circumstances should you throw any material off a roof.

5 TOOLS

Below is a list of the materials and tools needed to assemble the Canadian caged ladder. Hardware not supplied.













DRILLING MACHINE

DRILLS 10 AND 13

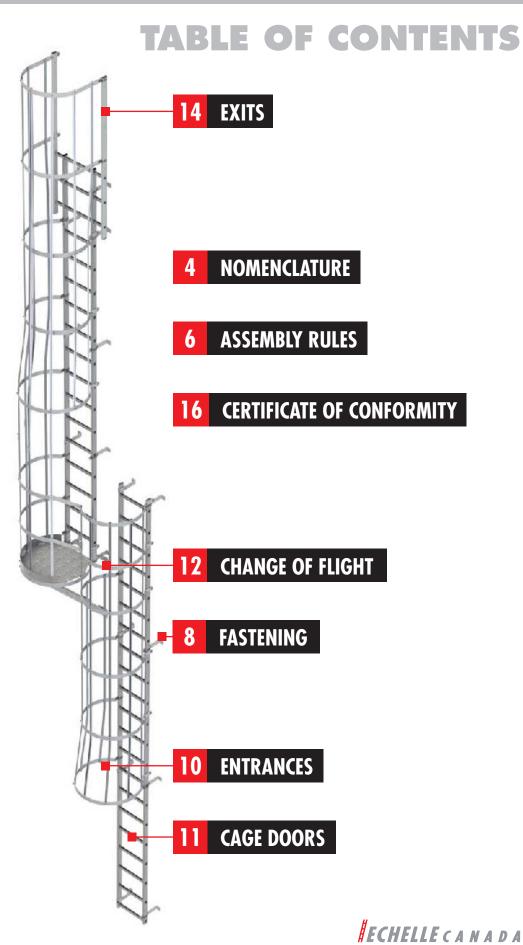
BOLT GUN

12" WRENCH

SCREWDRIVER

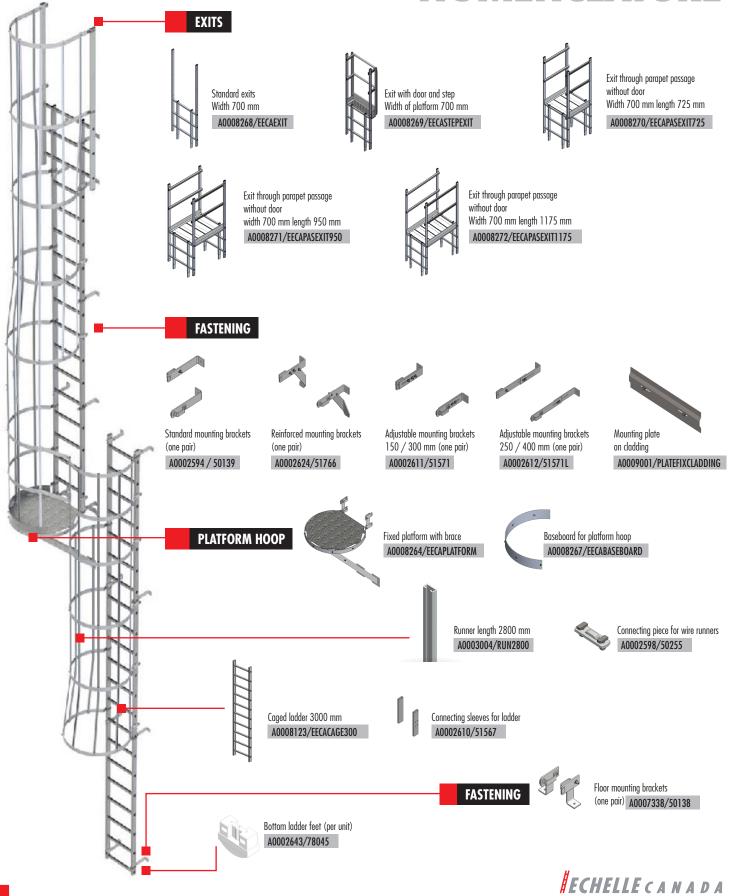
MANUAL RIVETER



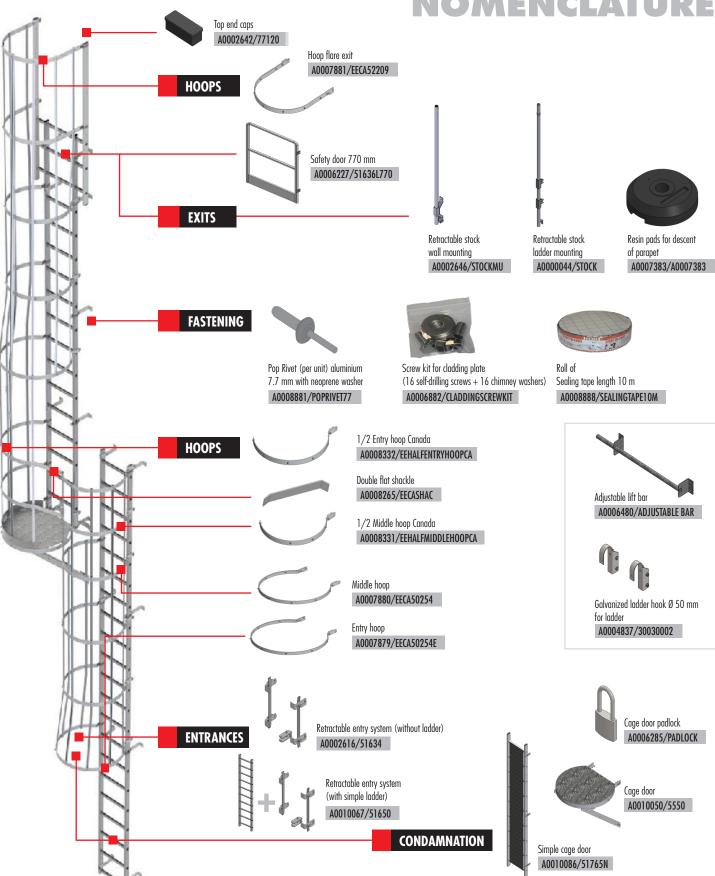


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NOMENCLATURE



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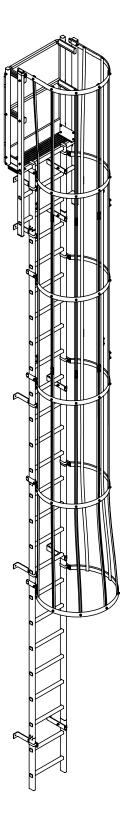
NOMENCLATURE





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GENERAL CHARACTERISTICS

DIAMETER OF PASSAGE 1st hoop 800 mm (31-1/2"), the following ones 700 mm (27-5/8")

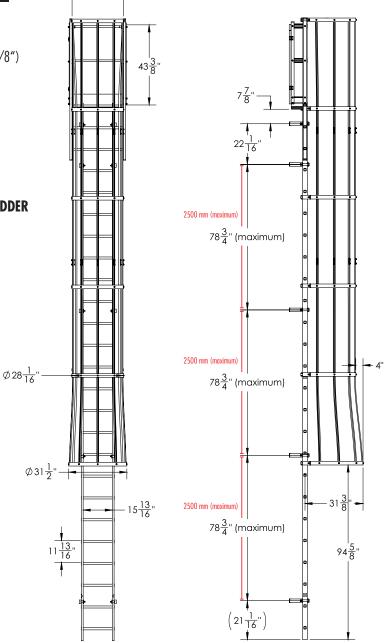
SPACING BETWEEN RUNGS 30 cm (11-7/8")

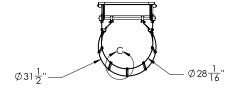
NUMBER OF RUNNERS 7

OVERALL WIDTH OF THE LADDER 448 mm (17-3/4")

LADDER PROFILE

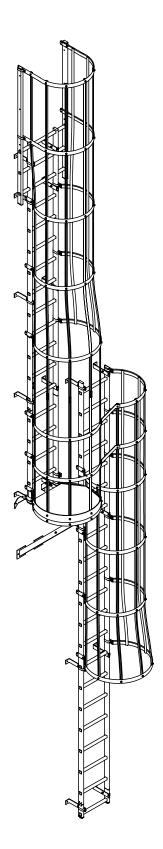
 $60 \times 24 \text{ mm} (23/8" \times 1")$

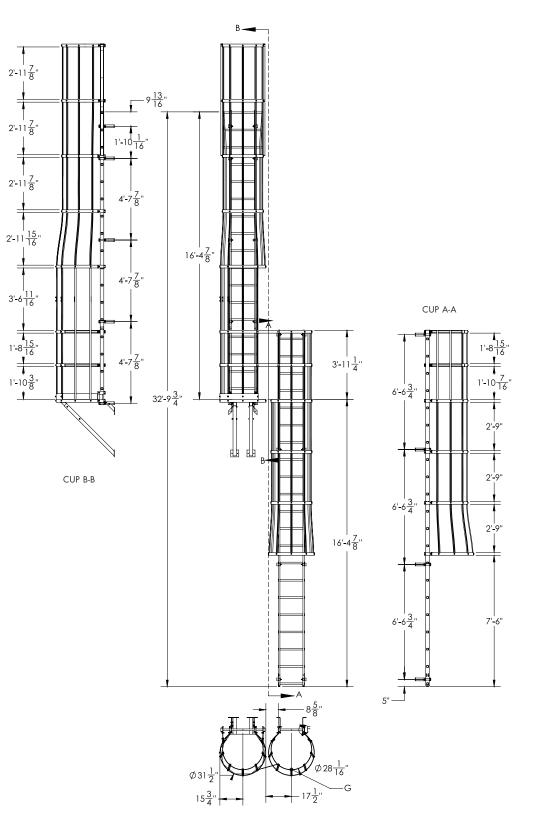




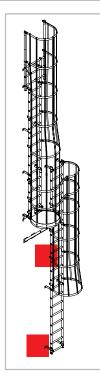


ASSEMBLY RULES









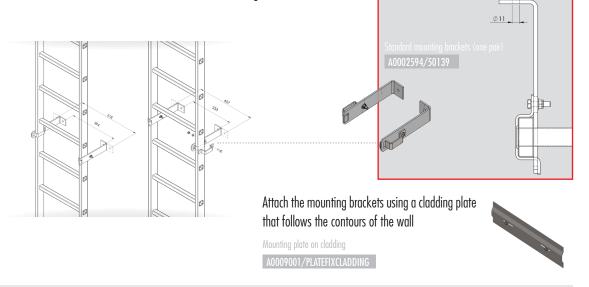
FASTENING

STANDARD MOUNTING BRACKETS

Drilling diameter 11 mm.

Fixing screw + nut + washer supplied, pre-installed on the mounting bracket.

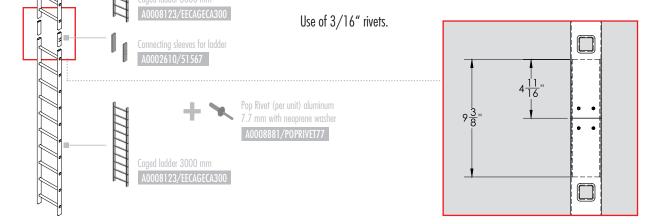
The maximum distance between the mounting brackets is 2500 mm.



SLEEVE

The 3000 mm ladder is placed at the start of the cage and is fastened by the mounting brackets every 2500 mm. Sleeve required between 2 ladders depending on the height of the cage.

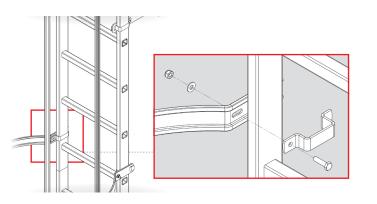
The sleeve slides inside the ladder upright and is fastened with two self-drilling screws per ladder upright (a total of 8 screws for the junction between two ladders).





FASTENING HOOP — LADDER

Fixing screw + nut + washer supplied, pre-installed on the hoops. End of the hoop to be fastened to the sleeve of the ladder.



48 po 48 po Secondary middle hoops by ensuring that there is a distance of 1219 mm (48 in.) between each hoop.

FASTENING

First flare hoop

to be placed at a minimum height of 2134 mm (84 in.) and a maximum height of 2438 mm (96 in.), according to the standard.

FASTENING HOOP - RUNNER

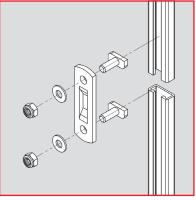
Length of runner 2800 mm

Connecting piece for wire runners

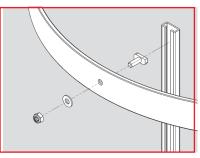
Runner length 2800 mm

One flight consists of **7 runners** to be arranged from the first hoop to the exit hoop by using the connecting pieces.

Fastening the assembly inside the grooves of the runners with HSR type screws.



Fixing screw + nut + washer supplied, pre-installed on the hoops.







WITH LADDER ON THE GROUND **FLOOR PADS**

FASTENING TO THE GROUND

Do not use if ground is unstable.

Insert the 2 non-slip pads inside the profiles of the caged ladder, in order to keep it stuck to the ground.

The maximum distance between the mounting brackets and the ground is 370 mm.

Bottom ladder feet (per unit)

Floor mounting brackets (one pair)

Sille

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ENTRANCES

WITHOUT LADDER

ensure total stability.

Fasten the ladder to the wall using the 2 reinforced mounting brackets. In this case, the ladder does not touch the ground

Fasten the caged ladder to the ground with the 2 mounting brackets in order to

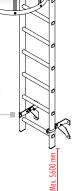
The first standard feet are installed at a maximum height of 2000 mm.

and can start at a maximum height of 5600 mm.

The use of reinforced legs is mandatory at the bottom of each flight that does not touch the ground.



A0002624/51766



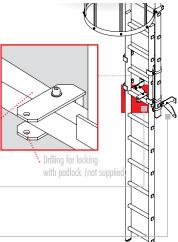
RETRACTABLE LADDER

Fasten the entrances without ladder with the 2 reinforced mounting brackets. Then attach the mobile ladder to the fixed ladder at the first rung by making sure that it is aligned with the fixed ladder, once on the ground. The use of reinforced legs is mandatory at the bottom of each flight not

touching the ground. Make a 9 mm Ø hole in the centre

Reinforced mounting brackets (one pair)

of the first rung of the fixed ladder to put the locking yoke



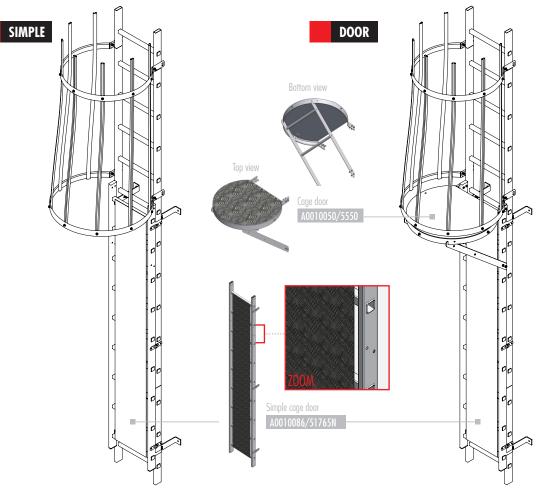




CAGE DOORS

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A cage door allows for **BLOCKING** the entrance of the cage, by temporarily preventing access with a padlock, so that unauthorized access to the roof is not possible.



For the **Cage door** configuration, the door is sold separately. It must be fixed to the simple cage door, through the two holes located on each side of the cage door. (see ZOOM). You will also need to fasten the cover to the ladder sleeves in the same way as a hoop.

The cage doors are to be fastened at the start of the cage, under the first hoop of the flights of ladders. It is fastened to the ladder sleeve by means of three side hinges.

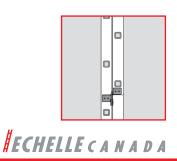
The maximum distance to be observed between the mounting brackets is 2500 mm.

There must be a distance of 50 mm between the cage door and the first hoop.

Cage door padlock A0006285/PADLOCK



An anti-theft padlock for the cage doors: **Side closing** for simple cage doors, opposite the hinges.



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CHANGE OF FLIGHT 1/2 Entry hoop Canada A0008332/EEHALFENTRYHOOPCA Fixed platform with brace The half hoops only support 5 runners. This allows the operator to move toward the platform without obstruction. From the new whole hoop, the 7 runners will have to be reattached.

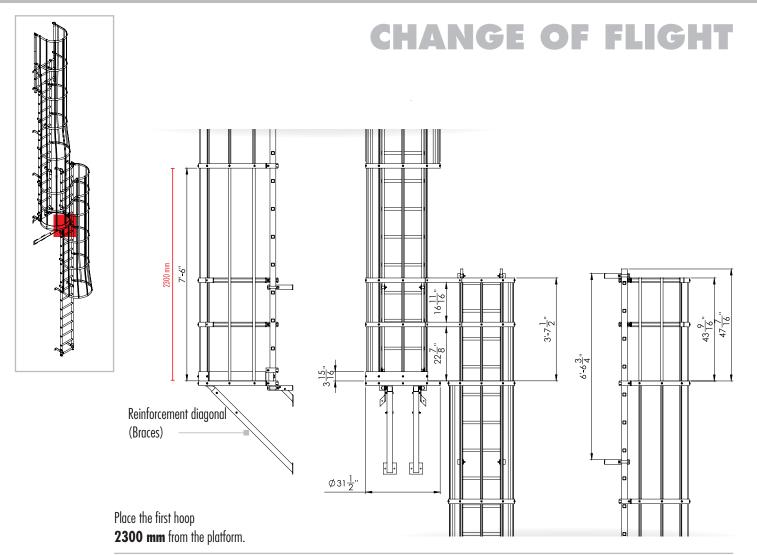
> **It is necessary** to make a change of flight when the flight reaches 9000 mm. That is to say a height of three sleeved ladders.

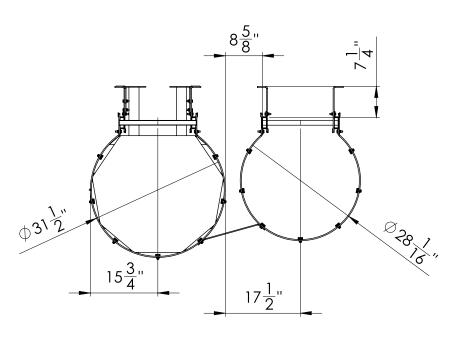
Reinforced mounting brackets are required at the bottom of each flight that does not touch the ground.

The **platform** is fastened to the ladder sleeves like a hoop. The end of the **braces** is fastened to the wall.

Use the flat **junction piece** between the half hoops to be able to make a double flight once the platform is fixed.





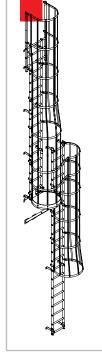


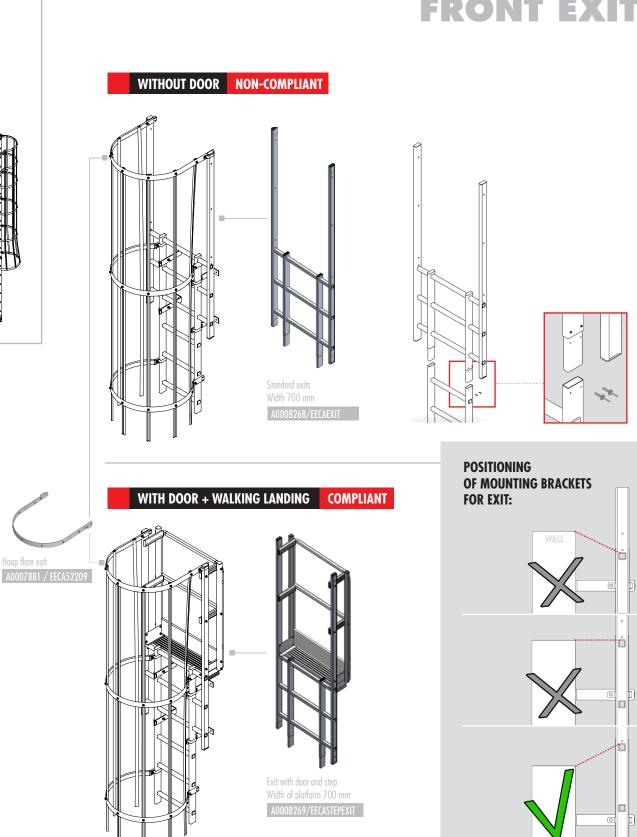


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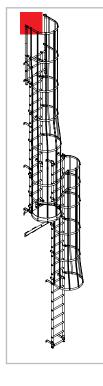
14 FRONT EXITS

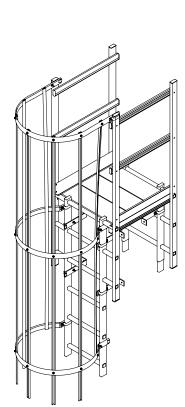


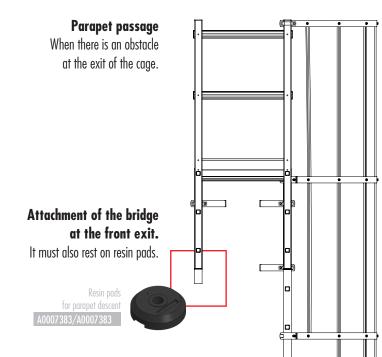




15 BRIDGE EXITS







THREE POSSIBLE BRIDGE WIDTHS

D



Exit through parapet passage without door Width 700 mm length 725 mm A0008270/EECAPASEXIT725

Exit through parapet passage without door width 700 mm length 950 mm A0008271/EECAPASEXIT950

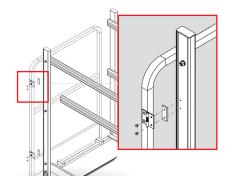
Exit through parapet passage without door width 700 mm length A0008272/EECAPASEXIT1175

DOOR OPTION COMPLIANT

Position the door 10 mm from the last step of the exit.

Fasten the two hinges that allow for opening and closing the door.

Safety door 770 mm A0006227/51636L770







CERTIFICATE OF CONFORMITY



CERTIFICATE OF CONFORMITY

Thursday, March 5, 2015

6

CUSTOMER: ÉCHELLE EUROPEENNE

SUBJECT: MODULAR CAGED LADDER

We have carried out the design calculations and necessary checks on the different parts and modules of the caged ladder consisting of a combination of the following items and their components:

- List of items:
 - Standard mounting brackets (Ref. No. A0002594)
 - Spacer clamp (Ref. No. A0002598)
 - Platform 1000 × 1000 (Ref. No. A0002599)
 - Flare bridge exit (Ref. No. A0002605 or A0002606)
 - Ladder sleeve (Ref. No. A0002610)
 - o Flare exit (Ref. No. A0002619)
 - o Runner lg 2800 (Ref. No. A0003004)
 - o Gate (Ref. No. A0006227)
 - Entry hoop Canada (Ref. No. A0007879)
 - Middle hoop Canada (Ref. No. A0007880)
 - Exit hoop Canada (Ref. No. A007881)
 - o Cage ladder 3000-Canada (Ref. No. A0008123)
 - Fixing exit (Ref. No. A0008132)
 - Fixed platform (Ref. No. A0008264, p. 1 to 2)
 - Double flat shackle (Ref. No. A0008265)
 - Flat hoop junction gc (Ref. No. A0008266)
 - Hoop platform toe board (Ref. No. A0008267)
 - Wide flare exit (P/N A0008268, A0008269, A0008270, A0008271 and A0008272)
 - o Half middle hoop (Ref. No. A0008331)
 - Half entry hoop (Ref. No. A0008332)
- List of assembly drawings
 - Change of flight kit with platform 1000 × 1000 (Ref. No. CA 15001)
 - Change of flight kit with hoop platform (Ref. No. CA 15002)
 - Flare exit kit A with walking landing (Ref. No. CA 15003)
 - Flare exit kit A with bridge (Ref. No. CA 15004)
 - Flare exit kit A (Ref. No. CA 15005)
 - Flare exit kit B with bridge (Ref. No. CA 15006)



CERTIFICATE OF CONFORMITY



CERTIFICATE OF CONFORMITY

Thursday, March 5, 2015

- o Flare exit kit B (Ref. No. CA 15,007)
- o Ladder assembly kit (Ref. No. CA 15008)
- o Runner kit (Ref. No. CA 15009)
- o Single flight caged ladder (Ref. No. CA 15010)
- o Caged ladder with adjustable platform height (Ref. No. CA 15011)

Consequently, we certify the conformity of the above-mentioned modular caged ladder to the ANSIASC A14.3-2008 standard, the National Building Code of Canada, the Quebec Construction Code and the Ontario Building Code.

NºOIO -39746 N°PEO: 100187969 N°APEGGA: 125523 N°APEGBC: 38422

Alain Scuvée Senior Mechanical Engineer



ATTESTATION OF COMPLIANCE



CUSTOMIZED MECHANICAL ENGINEERING

ATTESTATION OF COMPLIANCE

Thursday, 5 March, 2015

CUSTOMER : ÉCHELLE EUROPÉENNE

SUBJECT : MODULAR CAGED LADDER

We have carried out the design calculations and verifications required on the caged ladder's elements and modules composed solely of a combination of the following items and their components:

Items list:

- Standard mounting brackets (Ref. No. A0002594)
- o Spacer clamp (Ref. No. A0002598)
- o Platform 1000 × 1000 (Ref. A0002599)
- o Flare gateway exit (Ref. No. A0002605 or A0002606)
- o Ladder sleeve (Ref. No. A0002610)
- o Flare exit (Ref. No. A0002619)
- o Runner lg 2800 (Ref. No. A0003004)
- o Gate (Ref. No. A0006227)
- o Entry hoop Canada (Ref. No. A0007879)
- o Middle hoop Canada (Ref. No. A0007880)
- Exit hoop Canada (Ref. No. A007881)
- o Ladder 3000-Canada (Ref. No. A0008123)
- o Fixing exit (Ref. No. A0008132)
- o Hoop platform (Ref. No. A0008264, p.1 to 2)
- Double flat shackle (Ref. No. A0008265)
- Flat hoop junction gc (Ref. No. A0008266)
- Hoop platform's toe board (Ref. No. A0008267)
- Wide flare exit (Ref. No. A0008268, A0008269, A0008270, A0008271 or A0008272)
- o Half middle hoop (Ref. No. A0008331)
- o Half entry hoop (Ref. No. A0008332)
- Assembly list
 - Change step with platform 1000 × 1000 (Ref. No. CA 15001)
 - o Change step with platform with hoop platform (Ref. No. CA 15002)
 - Flare exit A with walking landing (Ref. No. CA 15003)
 - Flare exit A with bridge (Ref. No. CA 15004)
 - o Flare exit A (Ref. No. CA 15005)
 - Flare exit B with bridge (Ref. No. CA 15006)
 - o Flare exit B (Ref. No. CA 15007)



ATTESTATION OF COMPLIANCE



CUSTOMIZED MECHANICAL ENGINEERING

ATTESTATION OF COMPLIANCE

Thursday, 5 March, 2015

- Assembly ladder (Ref. No. CA 15,008)
- o Runners assembly (Ref. No. CA 15,009)
- Cage ladder (Ref. No. CA 15010)
- o Cage ladder with change platform height (Ref. No. CA 15011)

Therefore, we certify that the above-mentioned modular caged ladder is compliant with the ANSIStandard ASC A14.3-2008, to the National Building Code of Canada, the Quebec Construction Code and the Ontario Building Code;

PEO: 100187969

Alain Scuvée Senior Mechanical Engineer



