

## **CERTIFICATE OF STRUCTURAL ADEQUACY**

**TO : ZULIN CONSTRUCTION PTY. LTD**

**FROM : ERIC XIANBIN HU**

**DATE : 17TH OF DECEMBER 2017**

**OUR REFERENCE: INS-T-17102**

**REFERENCE SUBJECT: HOPUP BRACKET**

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Dear Sirs,

We herein confirm that we have reviewed the design of the Zulin Guardrail drawing on the ZULIN Construction Pty Ltd ZL2017-HUBR-002 Rev 0 is in compliance with the latest relevant Australian Standards, including AS 1170.1& 2 Structural design actions, AS1657 Fixed platforms, walkways, stairways and ladders, AS 4100 Steel Structure and that we have checked the structural adequacy for this Hop-up Bracket @1800 maximum spacing with minimum coupler SWL 6kN as shown on the drawing.

We therefore certify that the Zulin Hop-up Bracket detailed in the duly signed drawing attached and manufactured with the specified grade of steel is structurally adequate for the intended usage with the condition shown below:


1. Maximum bracket spacing 1800
2. Bracket for 2kPa walkway only, no concrete or material stacking loads allowed at any time.
3. Maximum 150 bearer overhang from the centre of U-head on bracket.
4. The capacity of supporting frame to be verified by others.

Yours Sincerely

ERIC XIANBIN HU

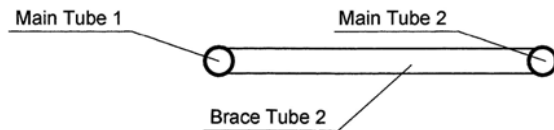
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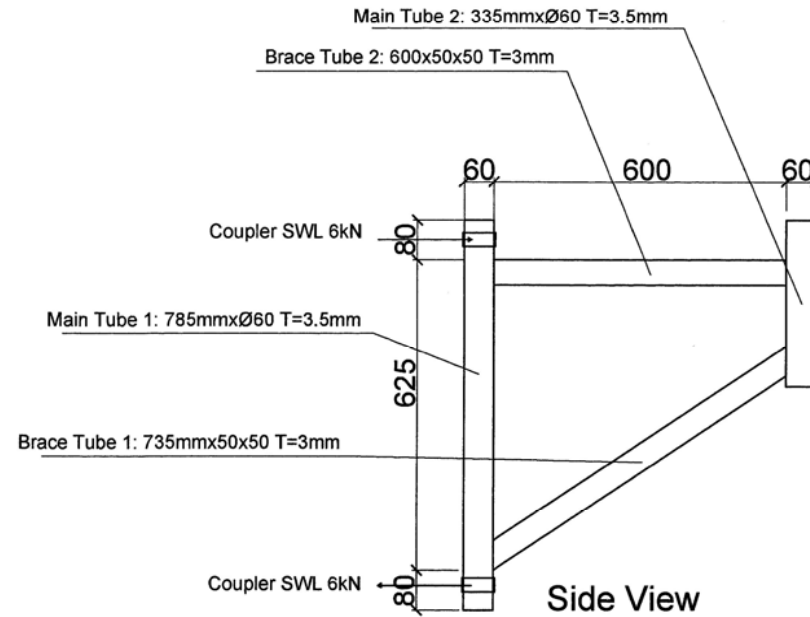


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Attachments: duly signed Hopup Bracket drawing



Plan View



Notes:

- 1, Material is Q235, no sharp corner allowed, all welding 4mm full-welding SP;
- 2, Hopup bracket connect to the existing frames with 2 swivel couplers.

MIE Aust 2190274

17/12/2017

REV.	DRAWN	CHECKED	DESCRIPTION	DATE



Zulin Australia PTY LTD

60 Emu Road  
Maidstone VIC 3012

PROJECT:

CONTRACTOR:

DRAWING TITLE:

ZULIN HOPUP BRACKET

SCALE: NTS

SIZE: A3

REV.: 0

DRAWING NO: ZL2017-HUBR-002