

13/06/22

Reference: FE0206cer001

Bal Krishna

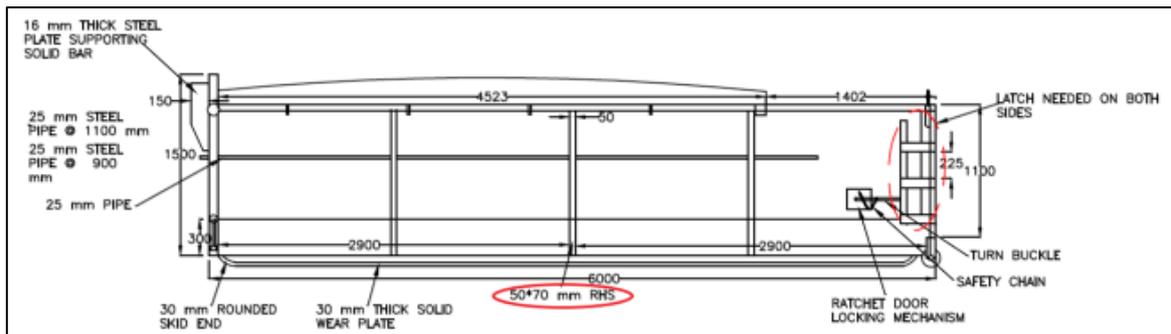
Principal Water Engineer Treatment Systems

Banana Shire

RPEQ Certification
Hooklift Bin 2

This document is to certify that the hooklift bin shown below can be safely utilized for transporting the wastewater sludge from the treatment plan given the following controls are put in place:

- All structural welding consumables shall be to AS 1553.1/ E4118, or equivalent
- All structural welding to conform with AS1554.1 Category SP.
- All structural work shall comply with AS4100
- Rolled steel sections to AS/NZS 3679.1-300.
- Welds to be 6mm continuous fillet SP E48XX to AS1554.1
- Allowance made for density $1.0 \times 10^3 \text{ kg/m}^3$.
- Additional RHS is assumed to be in 4mm thickness as circled below.



The hooklift design drawings used for engineering review are:

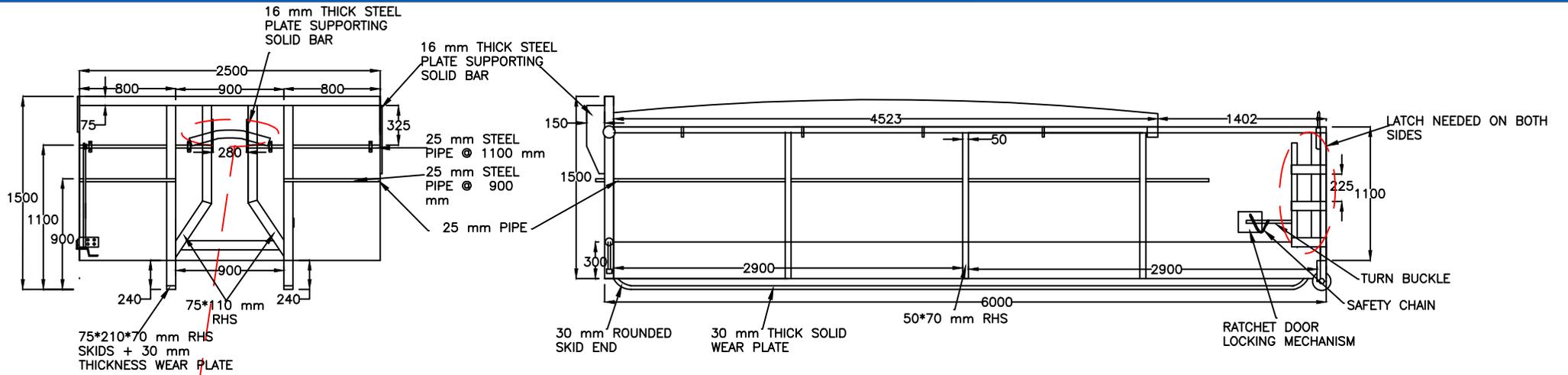
- Hooklift Bin Type 2 – GA Drawing

This engineering certification had been undertaken in accordance with the following Australian Standards:

- AS4100
- AS1170.0, AS1170.1, AS1170.2

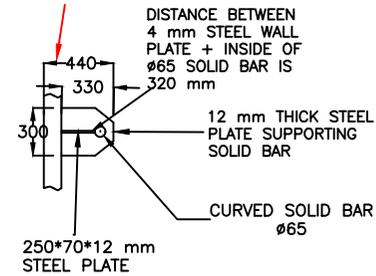
Certified and Approved

Mark Frost
Civil/Structural Design Engineer
RPEQ 9017
Frost Engineers Pty Ltd

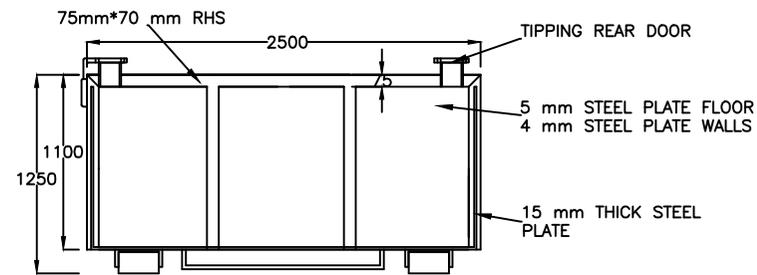


FRONT VIEW

SIDE VIEW



SIDE VIEW
DETAILED DRAWING



VIEW ON 'A'



SCALE 1:45

NOTES:

1. TURNBUCKLE = 3 TON
2. SAFETY CHAIN TO SECURE TURN BUCKLE HANDLE
3. 5 mm STEEL PLATE FLOOR
4. 4 mm STEEL PLATE WALLS + DOOR
5. PLEASE NOTE UNDERSIDE OF THE HOOK BAR FROM GROUND IS 1450 mm

PAINTING: APPROPRIATE PREPARATION FOR PAINTING TO BE PAINTED WITH ENAMEL PAINT - DARK GREEN

REV:	DESCRIPTION:	BY:	DATE:
AMENDMENTS:			

SITE:	HOOKLIFT BIN TYPE 2	PROJECT NO.	10/02/2022	
TITLE:	DRAWING NO.	DATE:		
HOOKLIFT BIN TYPE 2 - GA DRAWING	1:45 SCALE AT A4.	DINULI DRAWN.	CHECKED CHECKED.	REVISION.