

VILLAGE OF PORT ALICE
COMMITTEE OF THE WHOLE COUNCIL MEETING AGENDA
TO BE HELD THURSDAY MARCH 2, 2023, FOLLOWING RECREATION MEETING
AT THE VILLAGE OFFICE, 1061 MARINE DRIVE

CALL TO ORDER

ADOPTION OF AGENDA:

Committee of the Whole is a meeting to consider an issue, but not to decide upon any action.

- *Motions may be made, but do not need to be seconded*
- *Voting is undertaken in the same manner as in a regular council meeting*
- *Members of Council may speak on an issue an unlimited number of times, but may not speak longer than ten minutes on any one issue*
- *A motion to adjourn is not required*

MINUTES:

THAT the minutes of the January 5, 2023, Committee of the Whole meeting be approved.

ITEMS FOR DISCUSSION

1. Bears
2. Arena Building

ADJOURNMENT

VILLAGE OF PORT ALICE COUNCIL
COMMITTEE OF THE WHOLE MEETING MINUTES
THURSDAY JANUARY 5, 2023
In the MUNICIPAL OFFICE COUNCIL CHAMBERS



Present Mayor Kevin Cameron
Councillor Holly Aldis
Councillor Sean Watson

Absent Councillor Dave Stewart
Councillor Russell Murray

Staff Bonnie Danyk, CAO / CFO

Also present Fire Chief Jerry Rose
Emergency Coordinator Bruce Moores

CALL TO ORDER: 5:00 pm

Mayor Kevin Cameron called the meeting to order at 5:00pm

COTW 01/23 **ADOPTION OF AGENDA:**
It was duly moved that the agenda be adopted.
CARRIED

COTW 02/23 **MINUTES:**
It was duly moved:
THAT the minutes of the August 12, 2022 Committee of the Whole meeting be approved.
CARRIED

ITEMS FOR DISCUSSION:

1. Quarterly meeting with Fire Chief Jerry Rose

Chief Rose advised that the air packs may need to be replaced for 2024. Fire Department to investigate regulations. Village Staff to watch for grant funding throughout the year.

Need more volunteers for daytime hours.

2. Quarterly meeting with Emergency Coordinator Bruce Moores

Would like to update emergency plan. Village Staff to research funding for this.
Plans to do a tabletop exercise this year.
Deputy coverage id proving difficult to find.
Contact list is almost done being updated.

COTW 03/23 **ADJOURNMENT:** The meeting was adjourned at 6:30 pm

Certified Correct

Mayor

Chief Administrative Officer

Tanya Spafford

From: Brian Grover <grover@speekeezy.ca>
Sent: Tuesday, January 17, 2023 8:54 AM
To: Tanya Spafford
Subject: Dumpster Remediation
Attachments: Port Alice Dumpster Lid Remediation Designs.pdf

Good Morning, Tanya:

As mentioned the other day, I've been working on a number of designs aimed at extending the life and usability of the existing dumpsters in Port Alice with the mitigation of bear conflicts in mind. You'll find those designs in the attached PDF.

I've also been working on a proposal for crowdfunding. As also stated, I believe it should be possible to generate between \$20K to \$50K through crowdfunding due to the emotional nature of the issue of ongoing bear conflicts and euthanizations. Money raised will be earmarked for both remediation of existing dumpsters and purchase of replacement bear-proof dumpsters with allocation depending on the amount raised.

In order to proceed with this line of action I will require a few things from the Village and North Island Waste Management:

- Both parties will need to sign off, in writing, on a remediation plan using either the attached designs or other suitable bear-resistant designs.
- An official estimate of cost of dumpster remediation per unit.
- An estimate of the cost of replacement bear-proof dumpsters.
- A letter of support from the Village endorsing the efforts of myself and others [we are in the process of forming a nonprofit association].

These items will be useful in having crowdfunding proposals approved.

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Cheers...

Brian Grover

Speekeezy Publication Workshop

Truth or Dare for English Language Learners [Nominee: 2012 ELTon Award for Learning Resources]

[Speekeezy Publication Workshop](#)

[BC Car-Free](#)

[Brian Grover Photography](#)

Port Alice Dumpster Lid Remediation



Designs

By Brian Grover

The current dumpsters in Port Alice were purchased in 2000 by the Village Council with a \$50,000 grant from the provincial government Habitat Conservation Trust Fund. The money was allocated as part of the 'Bear Aware' program to reduce bear/human conflict locally. They were considered to be bear proof at the time though they clearly aren't. Ownership of the dumpsters was subsequently transferred to North Island Waste Management, the contractor for waste collection in the village.

The intent with this redesign is to find a solution that will keep bears out while keeping costs low. These designs reflect that. The idea is that the lids are to be replaced with something more sturdy and secure while reusing the dumpster buckets to reduce costs. There are a few principles that apply to all of the designs so I'll talk about them together here.

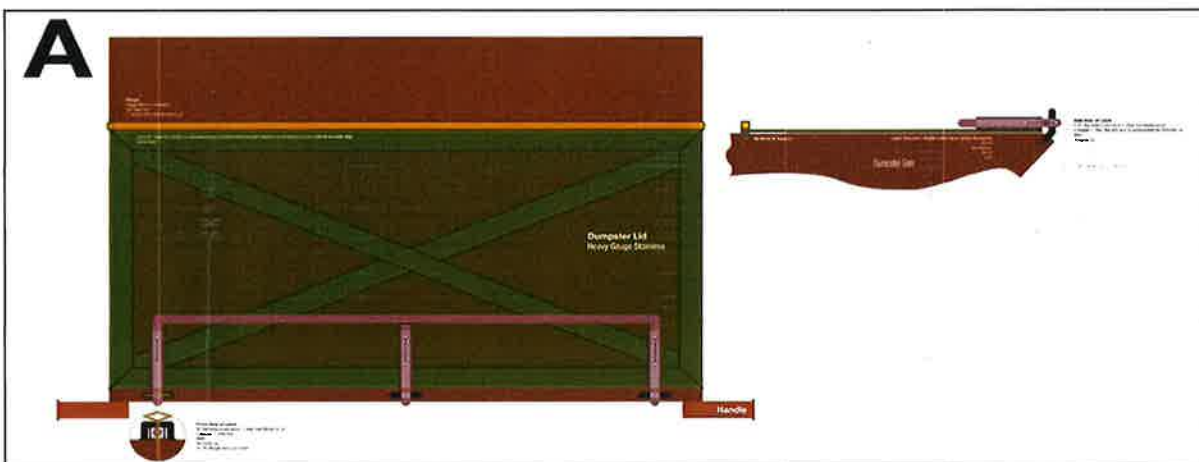
First of all, the placement of the handles, used for lifting and dumping by the hydraulic lifts of the garbage trucks, severely limits what can be done from a redesign point of view. The placement and angle of the front lip of the containers also places limitations on remediation through design.

Having said that, each design features three points of contact, between lid and container, to ensure lid cannot be easily pried open by a determined bruin. With the exception of Design D, each design incorporates additional strengthening of the torsional properties of the lid by adding the support of heavy-duty angle iron to the underside. The angle iron framework is moved to the top side in Design D. Top or bottom, this is to make it more difficult for a bear to bend back a lid and gain access to the dumpster contents. For the purposes of illustration the lid is depicted as see-through to show the angle iron superstructure in context. Note that the angle iron is more or less correctly set back to allow for the width of the bin rims. During fabrication allowances would need to be made for the swing of the lid.

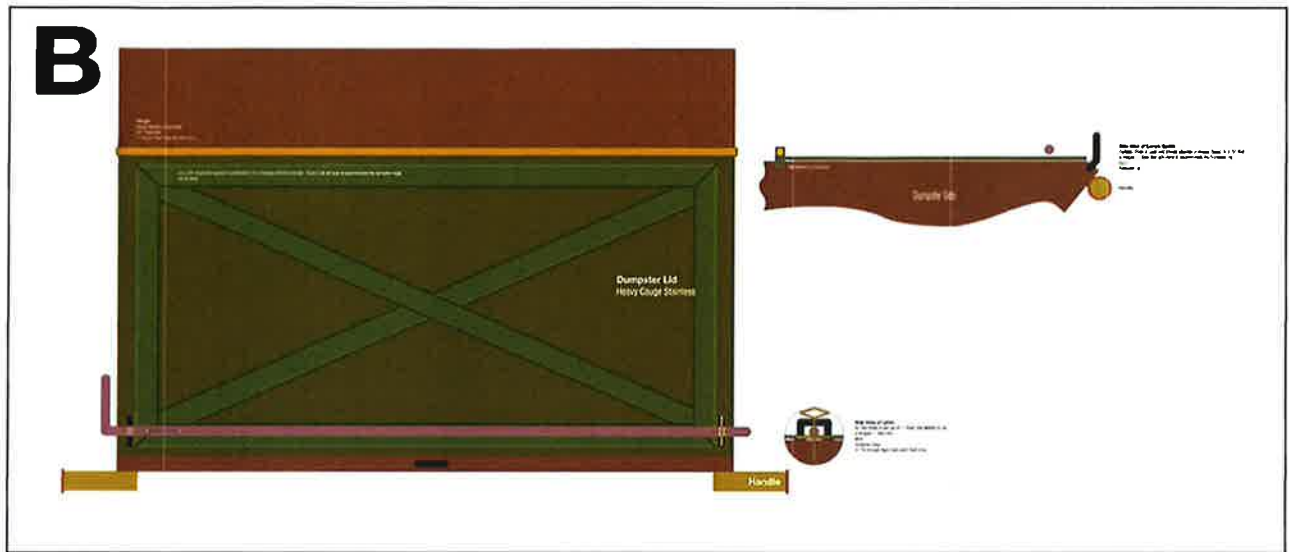
I set out to make the latching mechanisms open and close automatically in order to limit the need for driver interaction when picking up bins. Ideally bins could be picked up, dumped and replaced without requiring any manual intervention, relatching correctly to keep bears out. The aforementioned limitations stymied those efforts but Design C comes closest to that goal. Design D, however, is probably the easiest to implement and use on the ground.

The hinges on all designs are similar to what currently exists.

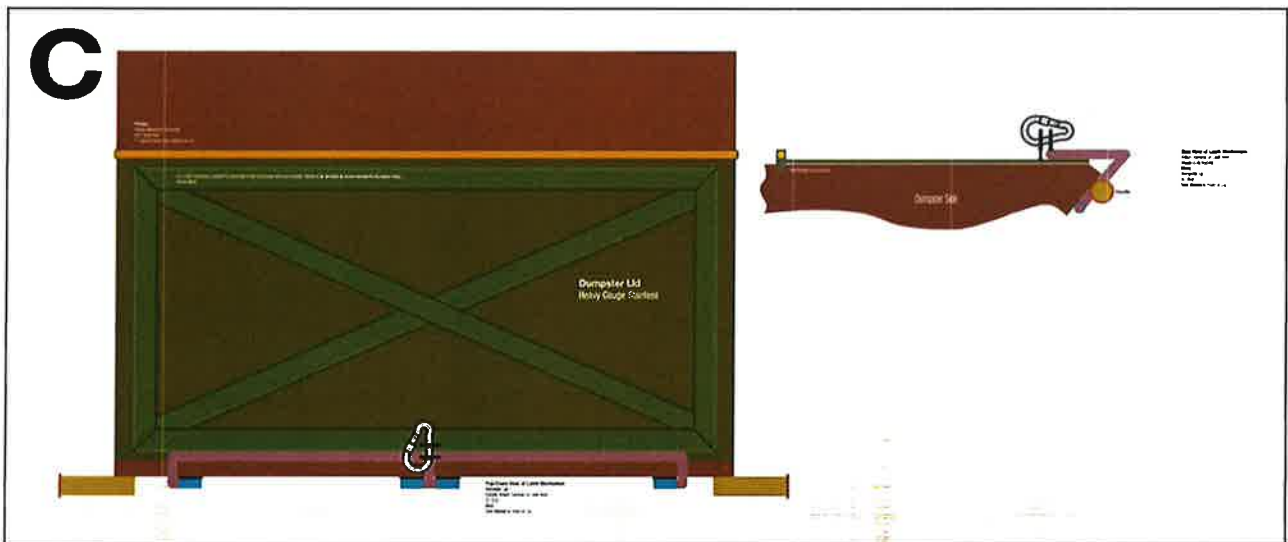
Design A: This design requires a significant outlay of manpower at the fabrication stage and intervention during waste collection by either the driver or someone else on the ground. Whatever the case, three pins need to be removed and could be prone to loss. As depicted a bear could conceivably pull one or more pins out by accident though the design could easily be reworked to make the pins either flush with, or recessed into the U-Shaped part. [Illustration Below and in Appendix at the end.]



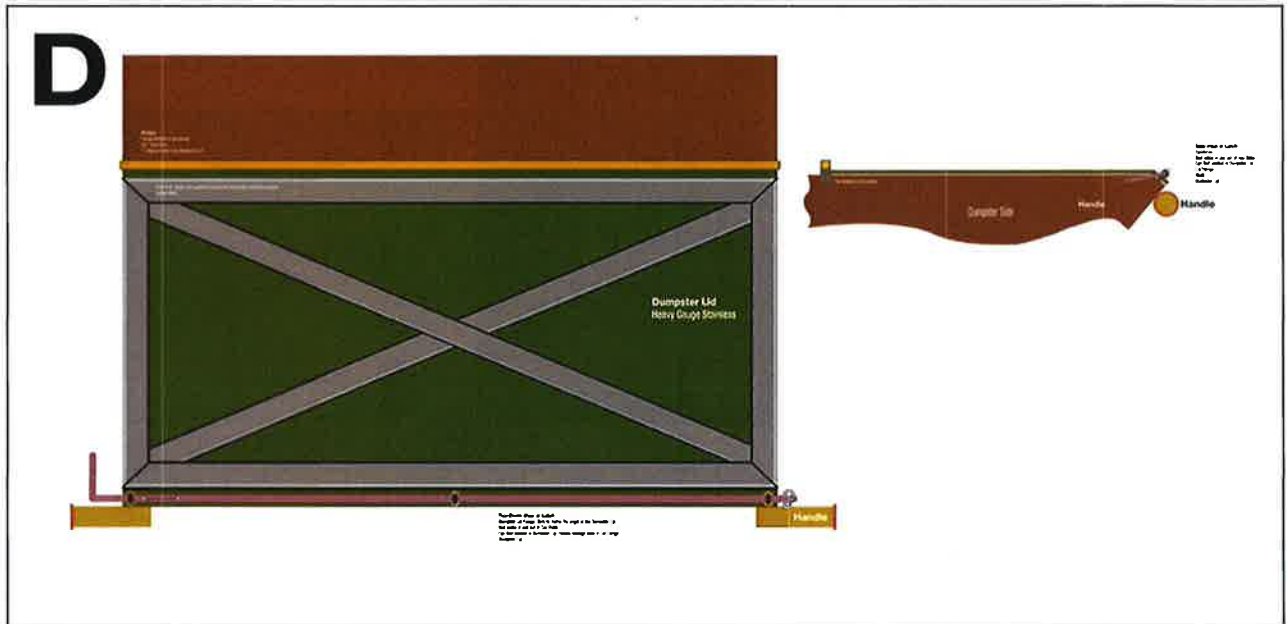
Design B: Just one pin holds this design together. This could be easily reworked to accommodate a carabiner or lock. The 'bolt' needs to be completely slid out and removed from the dumpster, again requiring a certain amount of intervention: better but not ideal. The front, centre point of attachment requires a cable and carabiner as well [not shown.]



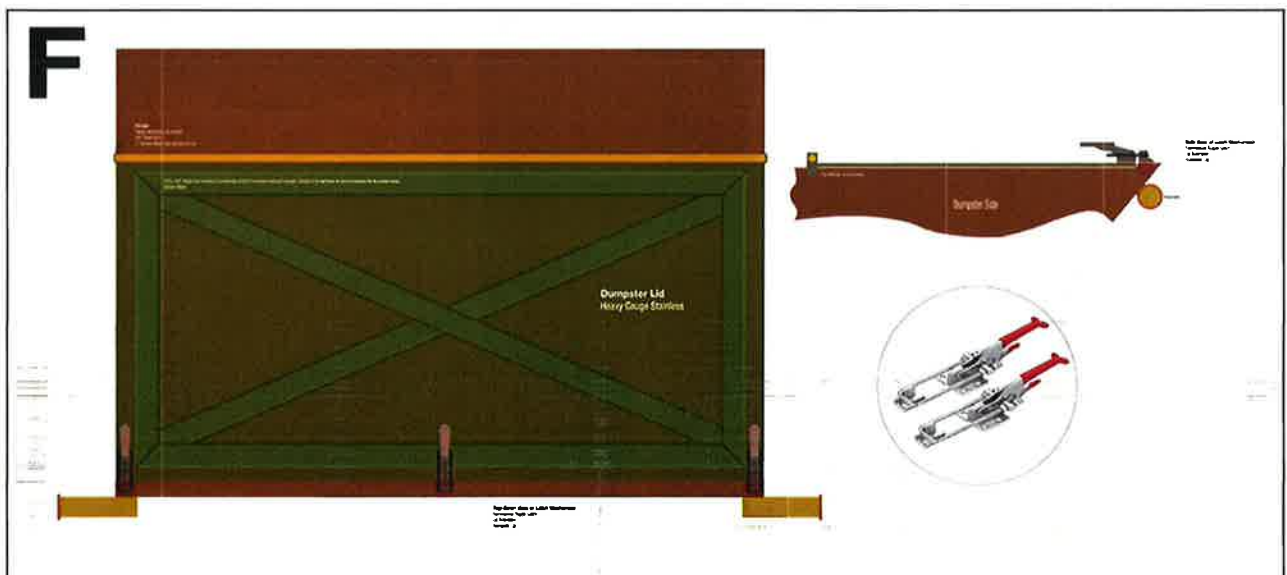
Design C dumpsters will open automatically when dumped as long as the latching mechanism is unlocked. Reclosing and relocking require intervention but could be undertaken by staff where the dumpsters are deployed. There is only a single point of contact for latching and locking. No other intervention is required. The clamping mechanism which holds the lid down against the edge of the bin itself, as depicted, won't effortlessly open or close without catching on the lip. This is just a limitation of my design skills and fudging the angle or introducing an additional pivot point at the fabrication stage should easily remedy that deficiency. I do have concerns about the strength of this design.



Design D: This design adds a flange to the front edge, either through a bend or a weld, to make the lid more difficult to grasp for a bear. The eyelets are round and therefore more difficult to grasp or push against as well. The angle iron bracing has been moved to the top and extended to the edges for additional torsional strength. The latch mechanism can be 'locked' with a single carabiner or padlock as required, just don't give the keys to the bear...



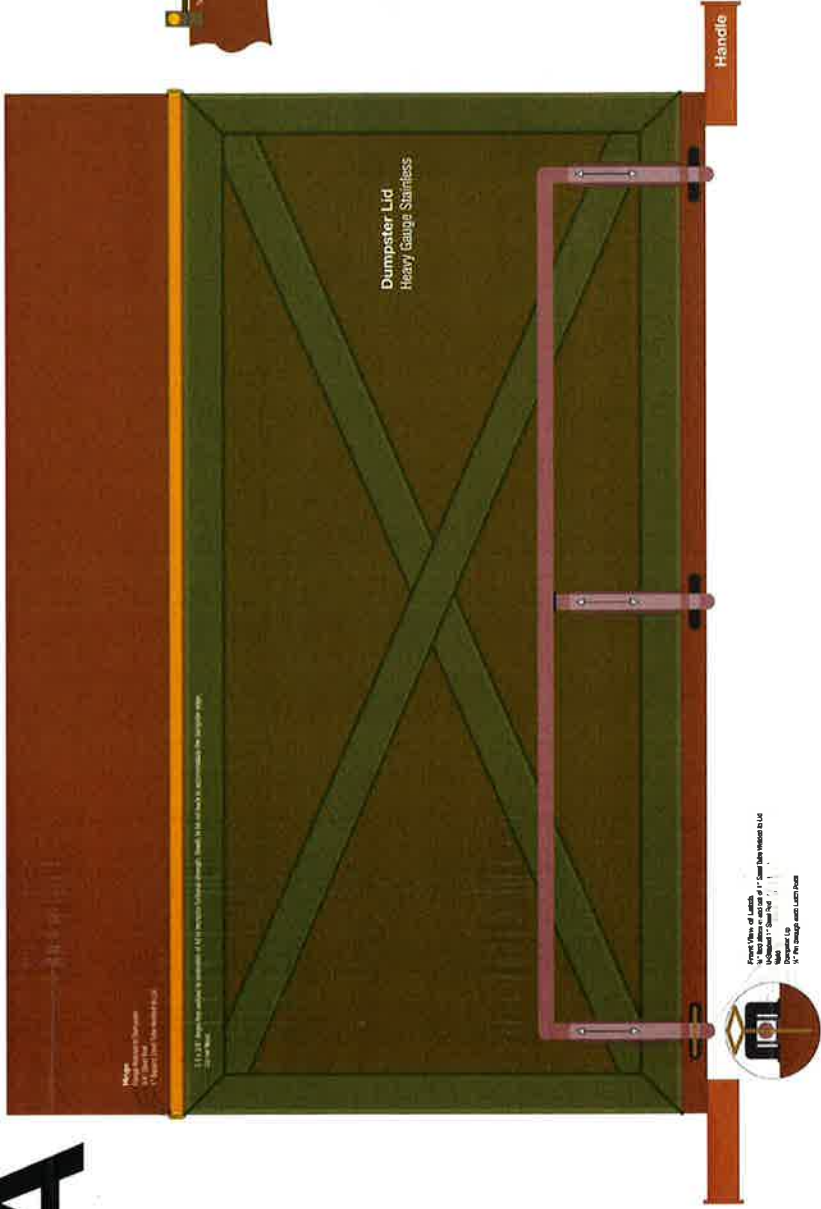
Design F: [Design E, a gravity assist design, was a bust and is not included here.] This design relies on commercially available Toggle Latch Clamps. There are many options on the market including very heavy duty ones. Most can be locked with a carabiner or padlock and some have a built in latch, which would be preferable as juggling three padlocks or even carabiners for 15 different dumpsters would soon become a nightmare for sanitation staff. With this design, the lip of each dumpster needs to be extended and made flush with the underside of the lid. To accommodate the toggle latches, the angle iron framework is once again moved to the underside of the lid.



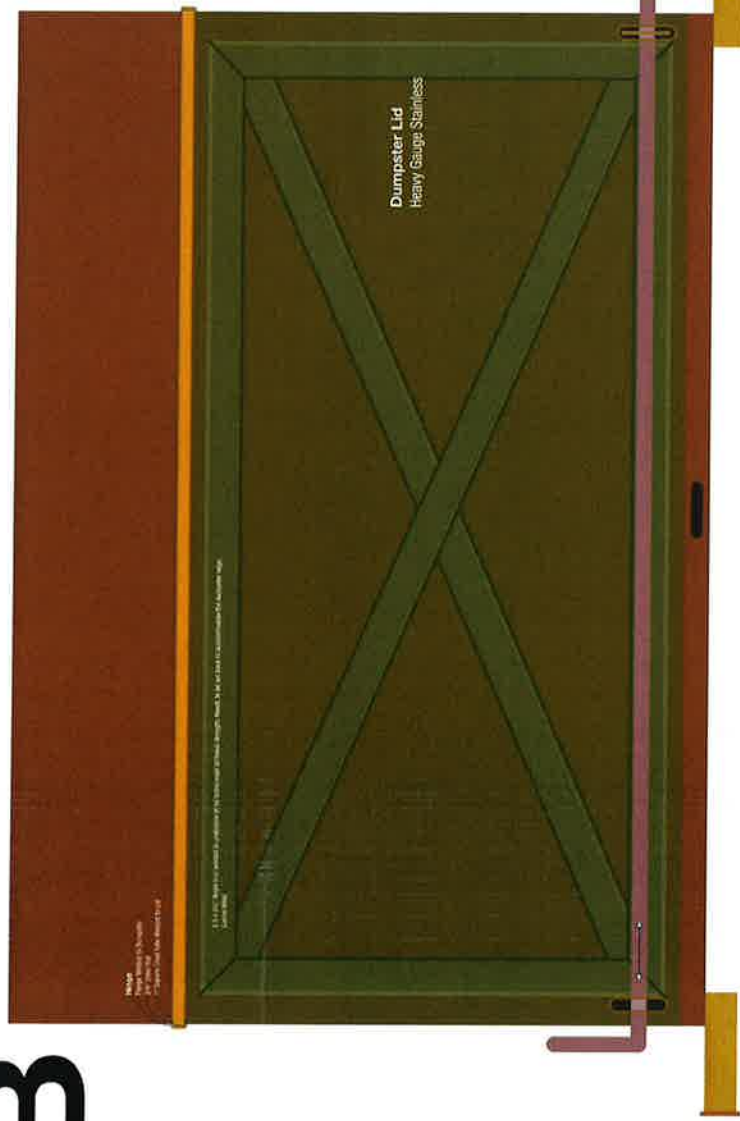


Appendix

A



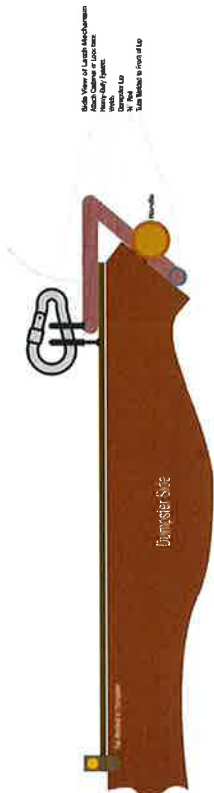
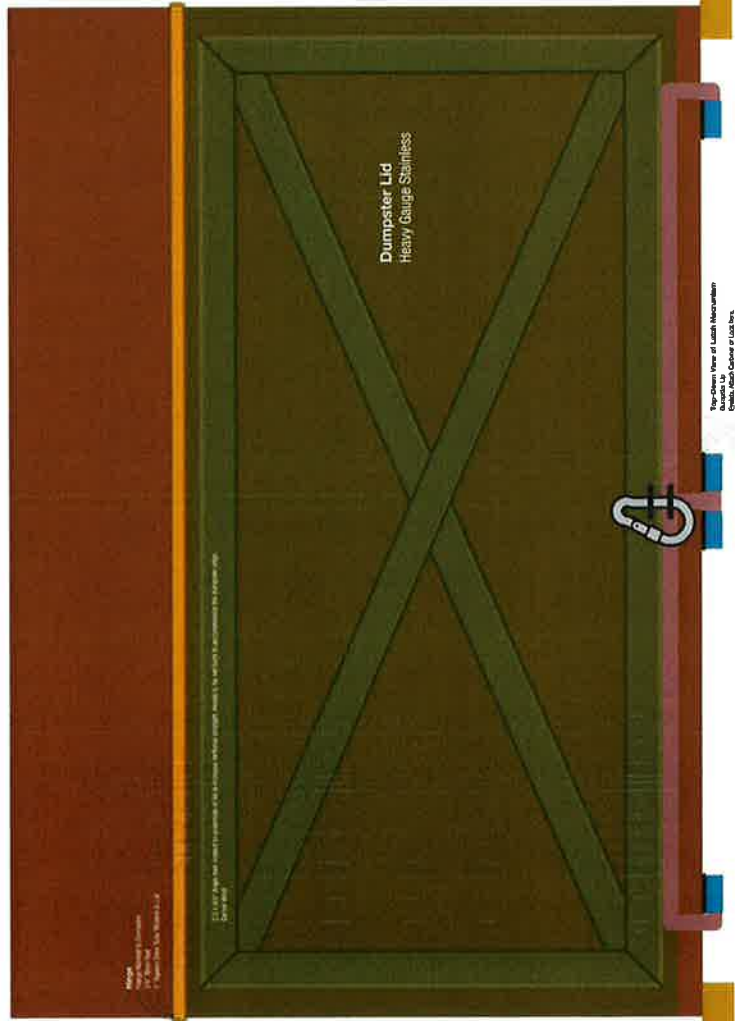
B



1. The lid is made of heavy gauge stainless steel. It is designed to be durable and long-lasting. It is made of heavy gauge stainless steel. It is designed to be durable and long-lasting. It is made of heavy gauge stainless steel. It is designed to be durable and long-lasting.

1. The lid is made of heavy gauge stainless steel. It is designed to be durable and long-lasting. It is made of heavy gauge stainless steel. It is designed to be durable and long-lasting. It is made of heavy gauge stainless steel. It is designed to be durable and long-lasting.

C



Slide 9 View of Latch Mechanism
Attach Latch to Side Panel
Attach Latch to Dumpster Body
Turn Latch to Open Stop

Slide 10 View of Latch Mechanism
Attach Latch to Side Panel
Attach Latch to Dumpster Body
Turn Latch to Open Stop

F

