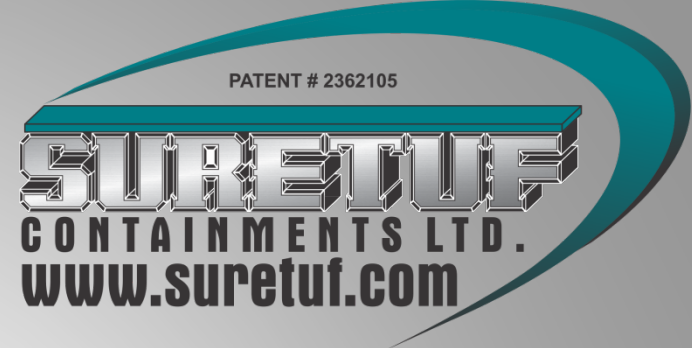


**THE
QUICKEST
WAY AROUND**

Containment Wall Set-up Presentation



Galvanized Wall & Accessories

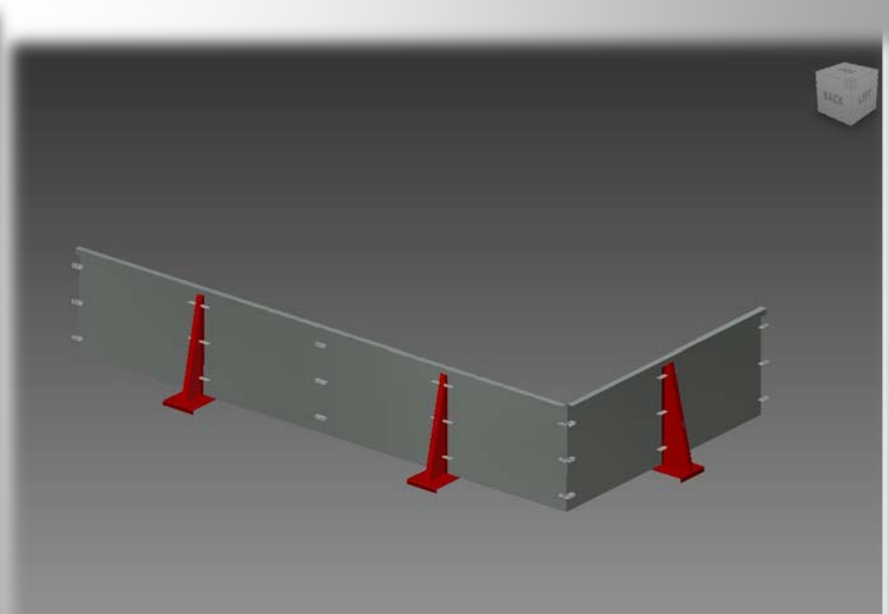
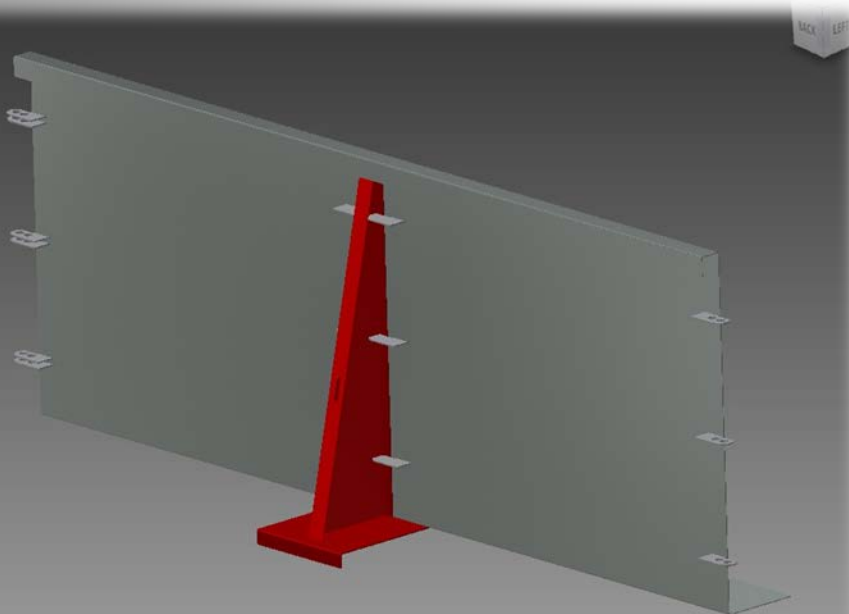


- Suretuf Containments new galvanized wall packages utilize patented drop pin connecting panels and patented slide in leg design as our original steel painted wall. The new single leg per panel design provides the quickest set-up times in the field while maintaining all the value added features of our original wall with the longevity of galvanized finished panels.

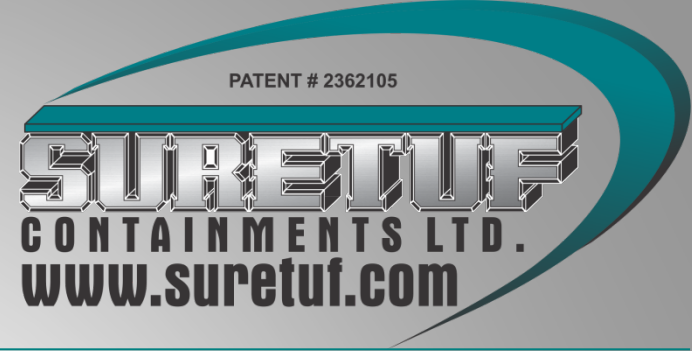


Standard Sizes

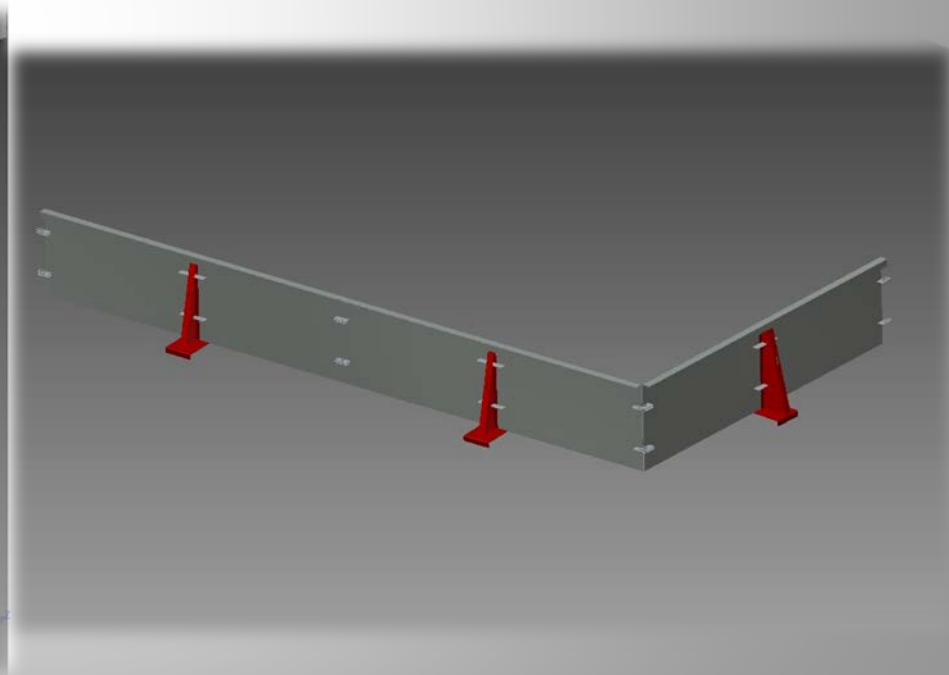
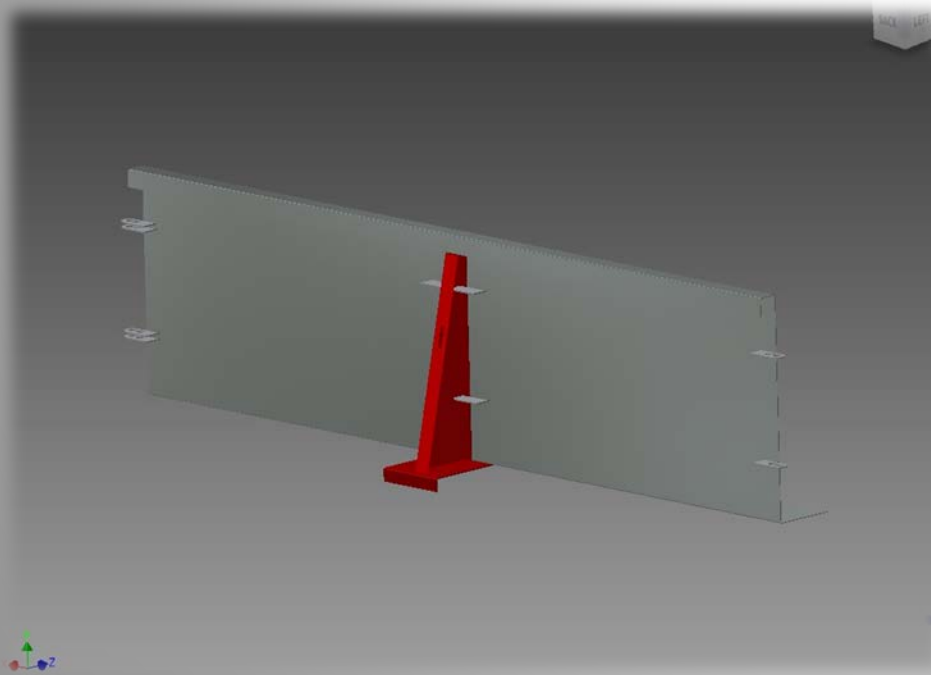
- Standard galvanized wall heights 36" and 44". Standard lengths 8', 4' and 28" to achieve 45° corners. We may custom build any length up to 8' – special order
- 36" tall is most common for typical well pads up to 6 tanks. 44" tall wall for smaller lease sights



New Wall Height

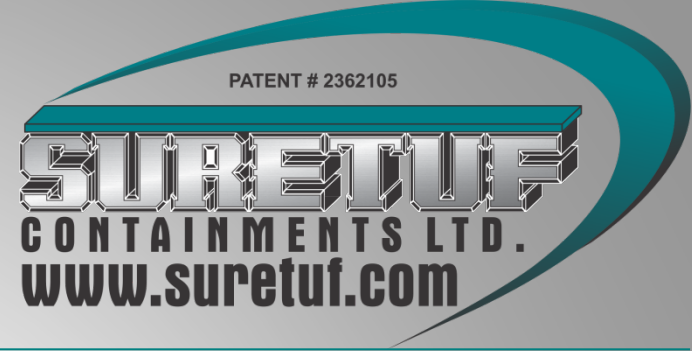


- New galvanized 25" tall wall for multi-pad well setups. Standard lengths 8', 4' and 28" to achieve 45° corners. Size example multi-pad well setup 24' x 270' x 25" tall



New Product

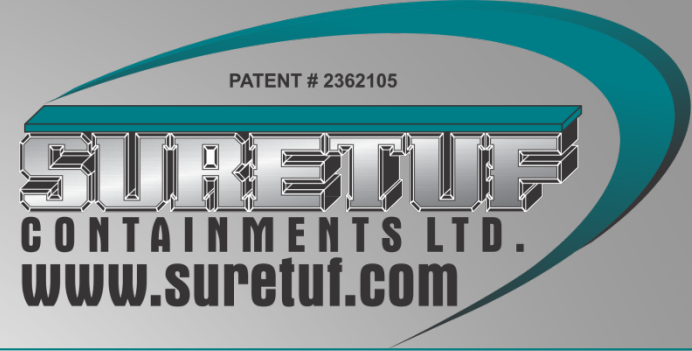
Patent Pending Access Door



- Secondary containment walk through access door P.Eng. designed and certified meets D-055 (Alberta), S-01 (Saskatchewan) and Environment Canada secondary containment standards.
- Eliminates the need for conventional crossover stairs and sting (sand) doors providing greater employee safety and convenience as well as an economical benefit



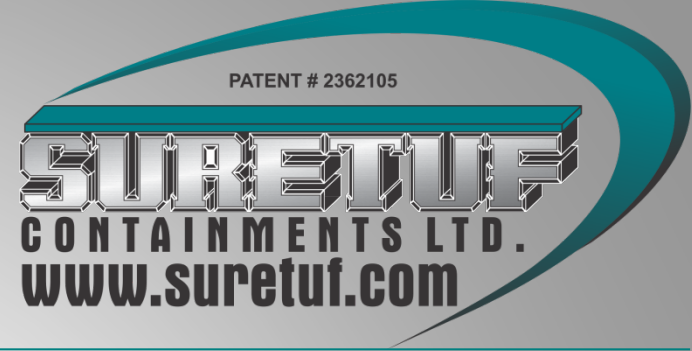
Summary of Value Added Features



- All Suretuf Containment systems are **P. Eng. designed and stamped**
- Patented design, Patent # 2362105 – Manufactured for over 15 years
- All Suretuf Containment systems meet or exceed **D-055 (Alberta)** and **S-O1 (Saskatchewan)** secondary containment requirements
- Suretuf Containment wall packages are a **zero ground disturbance** system
- Light weight universal panels, no special corners – a panel is a panel
- **NO nuts and bolts required for assembly** providing safe, quick and easy installation without special tools
- Drop pin panel connections with **new single slide in leg design** makes our containment wall packages the quickest to set-up and relocated saving costly set up time
- Slide in legs allow the entire containment system to float with ground heaving while maintaining wall integrity

Value Added Features

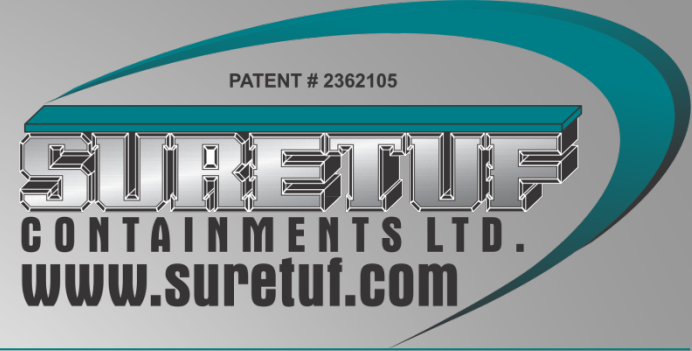
(Continued)



- **No caulking or gaskets required** to attach the liner to the containment wall or to attached walls together
- **Top mount liner with square top cap eliminates sharp hazardous edges** providing greater safety when working near and around the wall
- **No dead stock.** A Suretuf panel manufactured today will pin together with any Suretuf panel ever manufactured
- **New durable galvanized wall finish**
- The new galvanized wall panel with safety red coloured single leg design increases containment wall awareness and safety in low visibility conditions, low light, adverse weather, etc.
- **Leg colour may be custom painted to match corporate colours or logos**

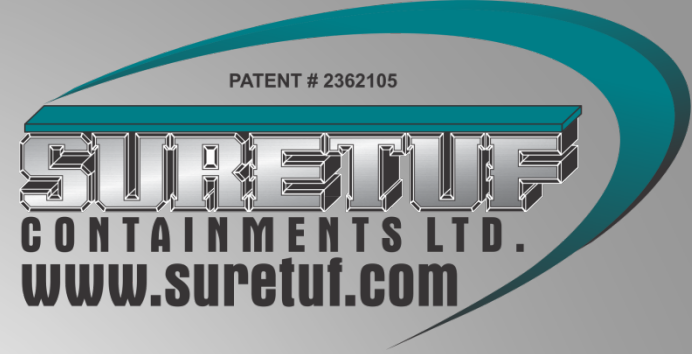
Questions & Considerations

(Before Purchase and Set-up)



- Wall height 25", 36" or 44" tall (taller wall for tighter/smaller sites)?
- Containment wall dimensions (foot print)?
- Number of tanks and size (BBL)?
- Who will be supplying the screen sand (screenings, wash sand, 3/8 minus)?
- Will non-woven geotextile be required under liner?
- Will non-woven geotextile be required on top of liner (under tanks, etc.)?
- Containment liner thickness 30 mm or 40 mm?
- Non textured (standard) or textured liner?
- Will 45° corners be required (may provide better truck access)?
- Do you require crossover stair(s)?
- Do you require sting door(s)?
- New Access walk through door(s)?
- Any special packaging required (labeling, identification numbers, etc.)?
- Will freight to site be required?
- Will set-up be required?

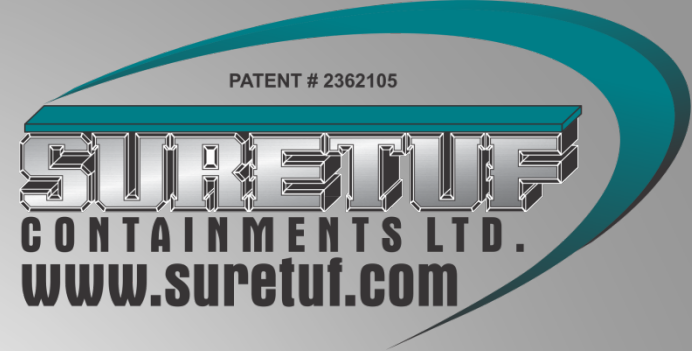
Containment Wall Setup



Mobilize four person crew to site outfitted with 4 door crew truck, 32' trailer, containment package complete and Bobcat



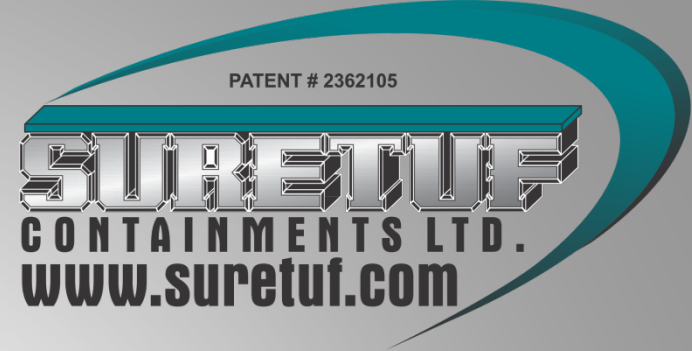
Containment Wall Setup



Crew utilizes transit level to shoot earthwork base pad to confirm level accuracy. An uneven base will require longer set up time as the crew will have to level the pad with screenings (aggregate, gravel, wash sand, etc.)



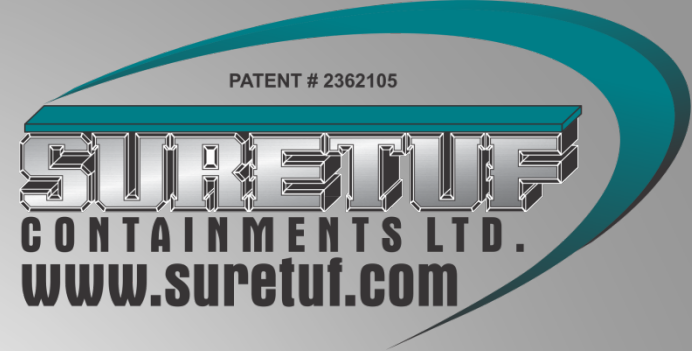
Containment Wall Setup



Other crew members measure and mark out containment corners for placement



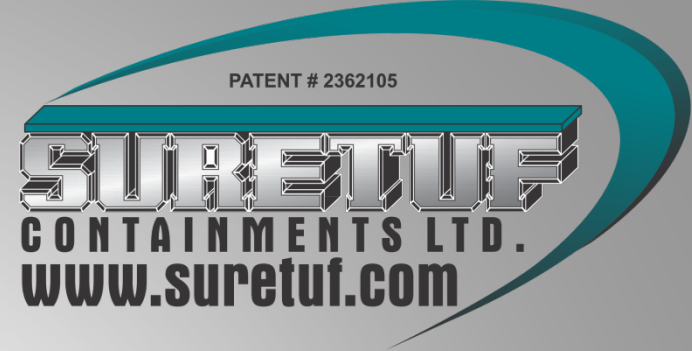
Containment Wall Setup



While crew members are measuring containment placement the Bobcat operator begins unload wall package



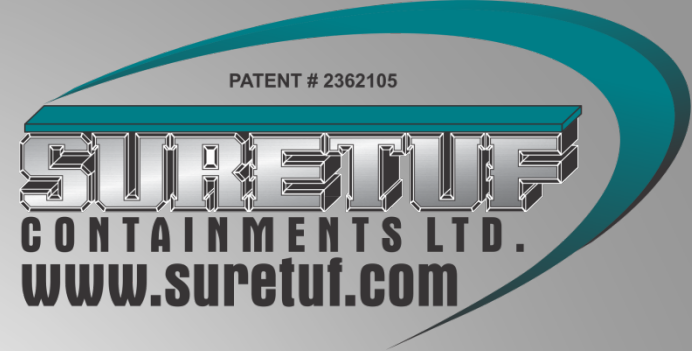
Containment Wall Setup



Once wall package corners are pinned and marked the Bobcat operator begins spreading base screenings (aggregate) below the geotextile matting and liner



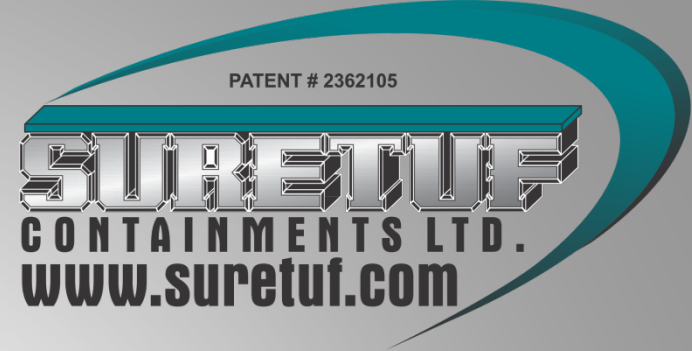
Containment Wall Setup



Once base screenings are spread the crew quickly re-paints the orange lines while the Bobcat aligns the roll of geotextile matting to be rolled out below liner



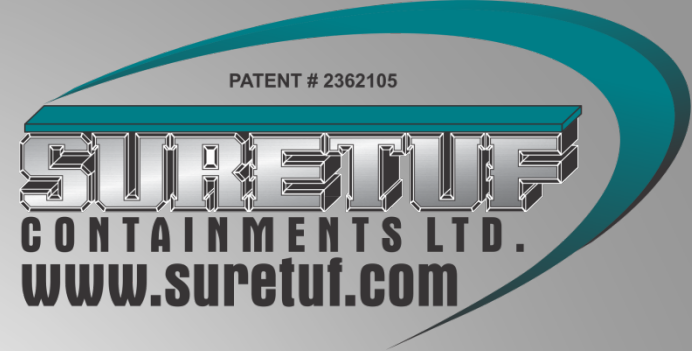
Containment Wall Setup



The crew rolls out the geotextile matting while the Bobcat operator sets the liner in place to be unfolded above the geotextile



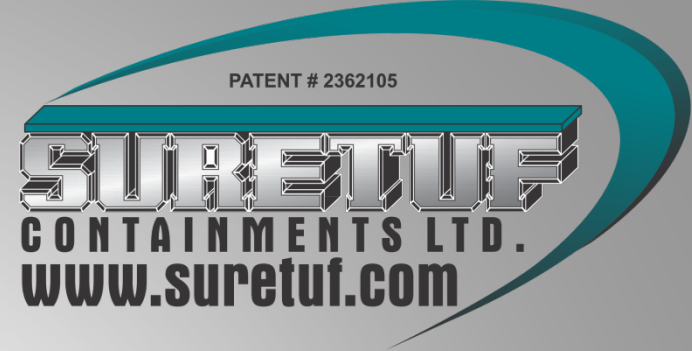
Containment Wall Setup



Once the geotextile matting is placed the crew begins unfolding the liner



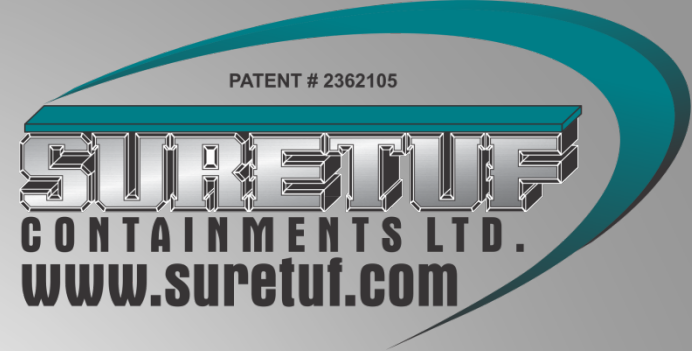
Containment Wall Setup



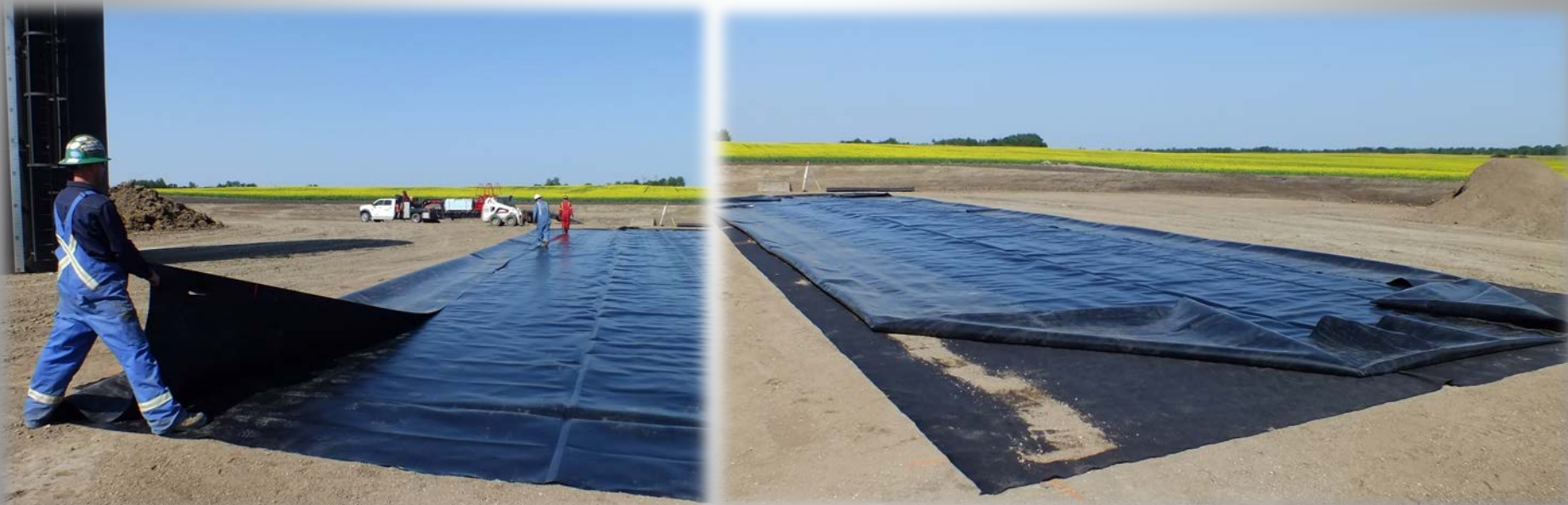
Laying out the geotextile and unfolding the liner may not be possible on windy days



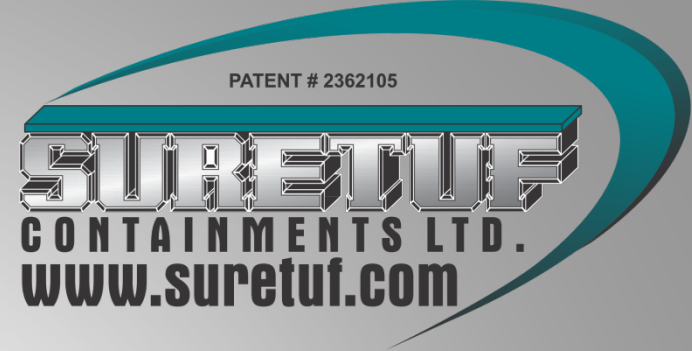
Containment Wall Setup



Outside edge of liner remains folded inward to allow the crew to complete the wall set-up and ensure panels are level, straight and square. Once wall is complete simply flip liner up and over the wall and secure with ridge cap



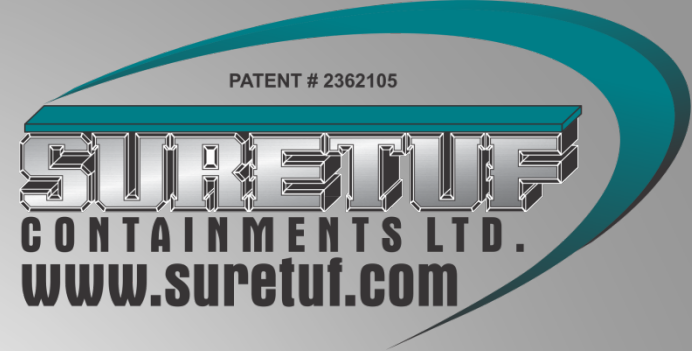
Containment Wall Setup



The crew with the assistance of the Bobcat operator begin unloading and laying out the wall panels and slide in legs



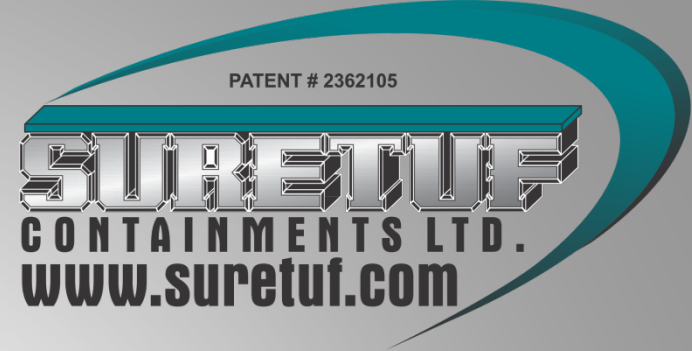
Containment Wall Setup



The slide in leg connections saves substantial costly time and labour – NO nuts and bolts



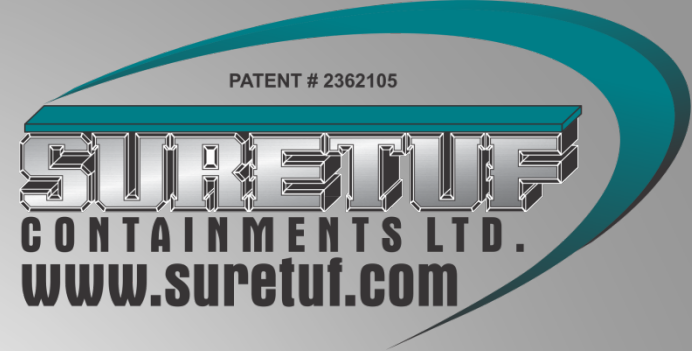
Containment Wall Setup



Wall set-up with drop pin panel connections saves substantial costly time and labour – NO nuts and bolts



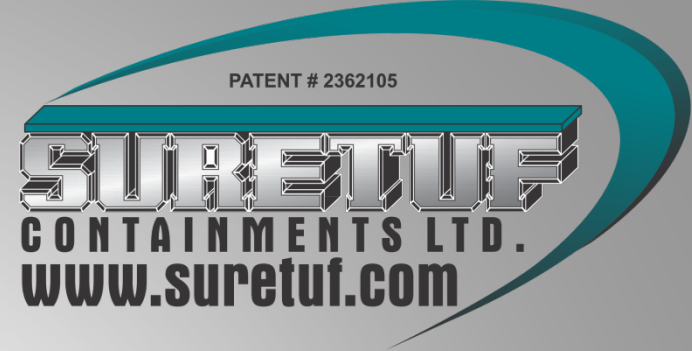
Containment Wall Setup



While wall panels are being setup the galvanized ridge pieces are placed into position to secure top mount liner as it is being unfolded



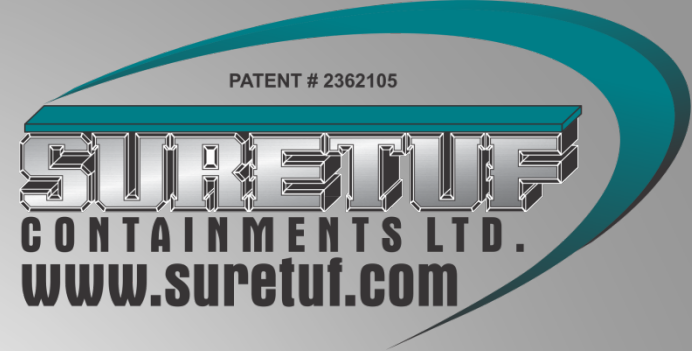
Containment Wall Setup



Once wall set-up is complete unfold remaining liner over wall and secure with ridge cap



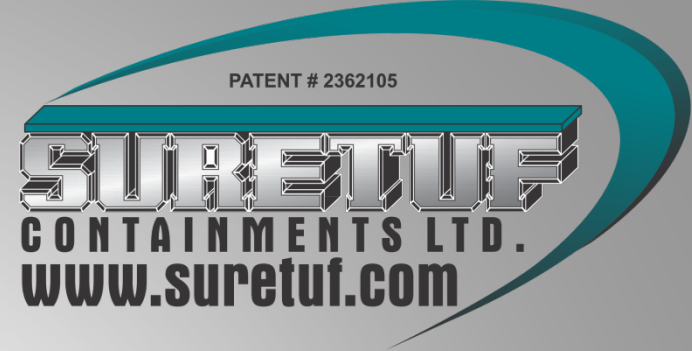
Containment Wall Setup



Once liner is folded over the wall it is secured by positioning the top ridge cap into place on top of wall and screwed down with Hex Tek self-tapping screws (Husky will be bolted)



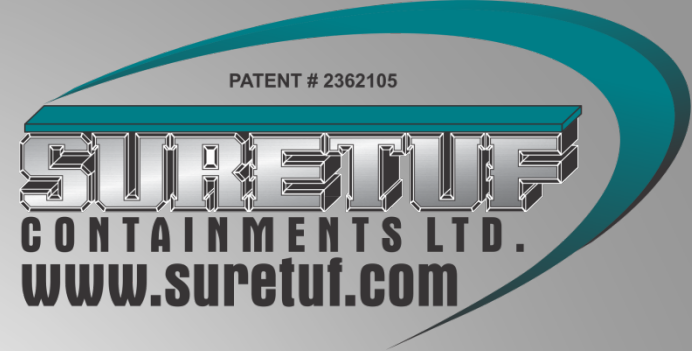
Containment Wall Setup



Once liner is fully secured with ridge cap the excess located outside of the containment is trimmed, picked up and disposed



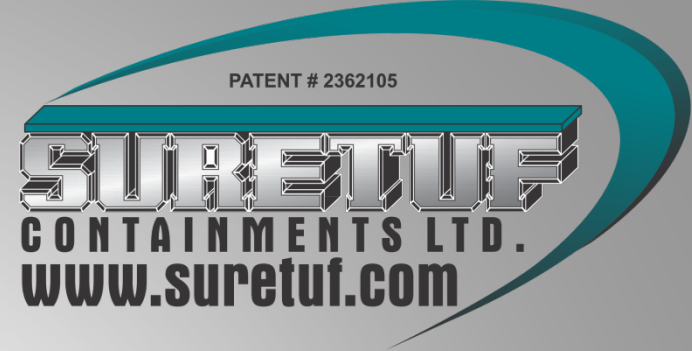
Containment Wall Setup



While ridge cap is being fastened and liner trimmed the Bobcat operator starts to spread screenings above liner



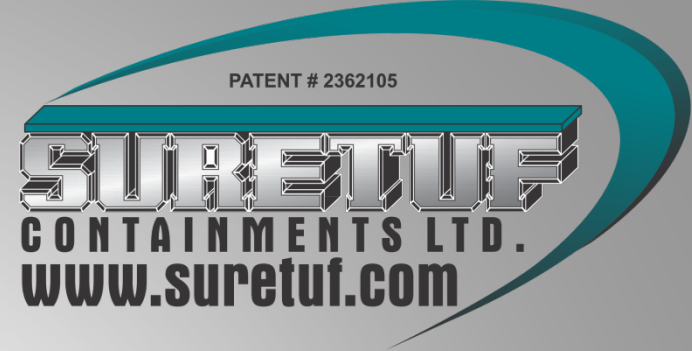
Containment Wall Setup



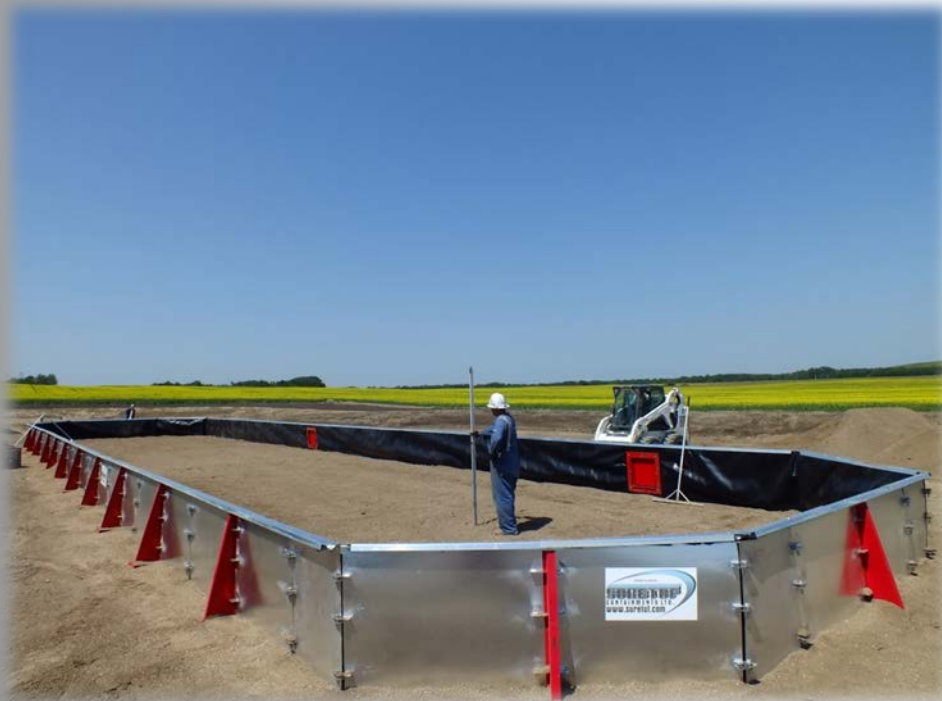
One end wall is left open until Bobcat work inside containment is complete. Once screenings are spread close up end wall with drop pins – NO nuts or bolts SAVES TIME



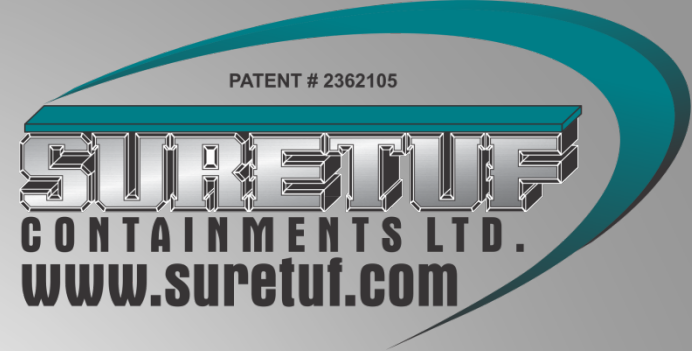
Containment Wall Setup



When required crew sets and transit levels tank planks or sets and tamps tank rings, etc.



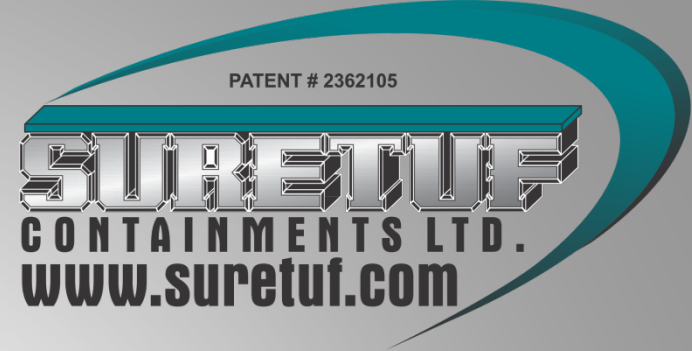
Containment Wall Setup



When required crew measures for location installs Sting (sand) door(s)



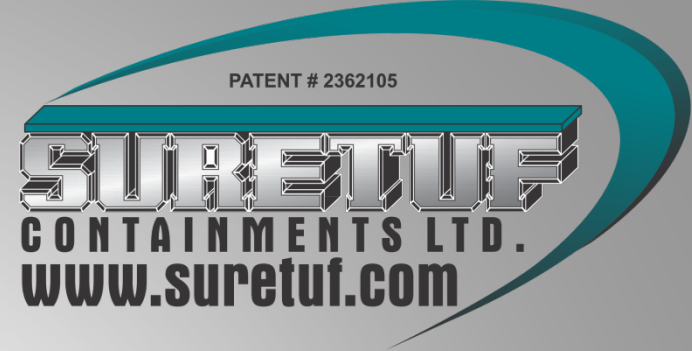
Containment Wall Setup



Completed system c/w crossover stairs and sting doors



NO DEAD STOCK

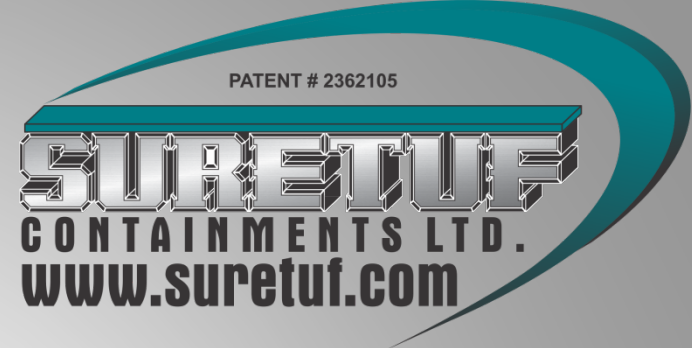


No dead stock verses containment systems with bolted wall and leg connections. A Suretuf panel manufactured today will fit together with a Suretuf panel manufactured 15 years ago



Berm Wall Setup

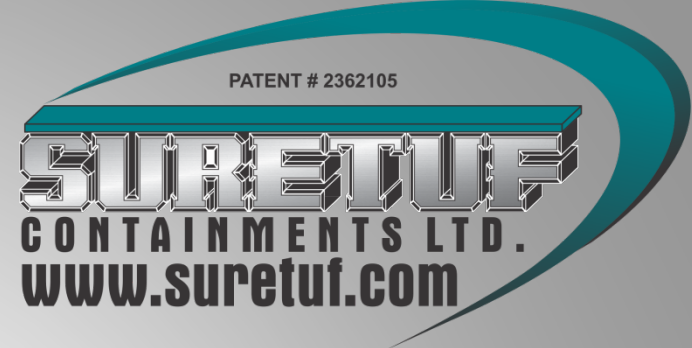
Instructions (1 of 4)



1. Clear and level area (transit level) required to place properly and set-up secondary containment system.
2. Mark out containment area berm with paint or stakes to determine actual placement or foot print of the containment wall package.
3. Place 2" – 6" of screen sand (wash sand) or non-woven geotextile over containment ground area to protect liner. Sand depth is dependent on ground conditions (clay, top soil, rocky, etc.), and whether or not geotextile will be laid under liner as well as liner thickness.
4. Carefully unfold liner ensuring it is wrinkle free and centered in the containment area on sand or geotextile.
5. Place 2" – 6" of screen sand and non-woven geotextile if required over containment liner for protection leaving approximately 3' of uncovered liner around the perimeter of the containment wall. Fold liner inward to ensure it does not get damaged while setting up the wall panels.

Berm Wall Setup

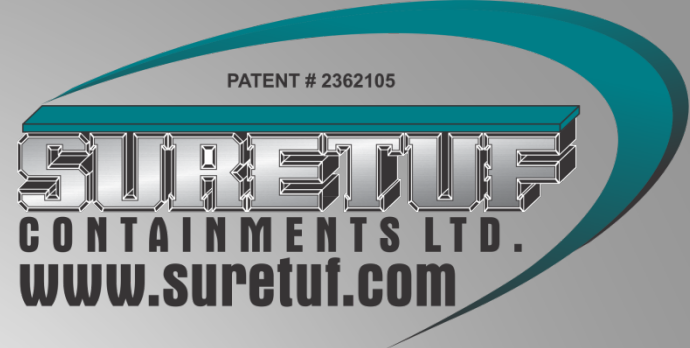
Instructions (2 of 4)



6. Place the steel containment wall panels face down around the perimeter of where the berm will stand. Place the panels in such a way that when the wall is setup, the outside of the panel will be directly on the actual berm foot print as marked.
7. While the panels are face down, slide each of the legs into the wall clips until the top of the leg reaches the top of the wall.
8. Stand the panels up carefully, ensuring the legs do not slide out and the outside of the panel is in line with the berm foot print as marked.
9. Connect all adjoining panels with 3 locking drop pins.
10. Continue around the perimeter until the entire system is erected and square.
11. Fold liner towards wall panels ensuring it falls into corners with a loose fit. Minimize folds and creases.

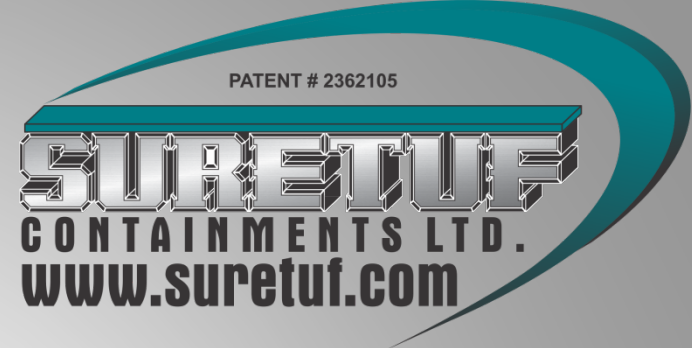
Berm Wall Setup

Instructions (3 of 4)



12. Take liner up and over the berm walls. The corners will require extra attention – they will have to be carefully folded compared to wrapping a present.
13. Take corner top ridge caps, two (2) – 4'-3" pieces and place 90° of each other and secure to the top of the wall using six (6) Hex Tek self-tapping screws, three (3) screws per corner piece. This will secure the liner in each corner once the liner has been folded properly.
14. Fasten the 8'-0" top ridge cap pieces to the top of the wall using Four (4) Hex Tek self-tapping screws this will secure the liner. Start from the corner ridge cap pieces outward. Custom size walls will require the top ridge cap to be field cut to fit properly. Cut ridge caps in such a manner the caps overlap the wall seams by no less than 2 feet.
15. Trim extra liner around exterior of ridge cap to ensure a neat appearance.

Berm Wall Setup Instructions (4 of 4)



Tools Required:

- Cut-off saw
- Cordless drill
- 3/8" nut driver to fit drill (for self-tapping screws)
- Utility knife
- Shovel
- Rake

Please contact Suretuf Containments Ltd. for further assistance

1 (780) 875-0032 or 1 (780) 214-7808