



**PIERCE
CONSERVATION
DISTRICT**

Over 70 Years of Conservation

308 West Stewart Avenue
P.O. Box 1057
Puyallup, WA 98371
www.piercecd.org
253.845.9770
Toll Free: 866.845.9485

4x4 Manure Bin Assembly



Conserving the Natural Resources of Pierce County Since 1949



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Tool List

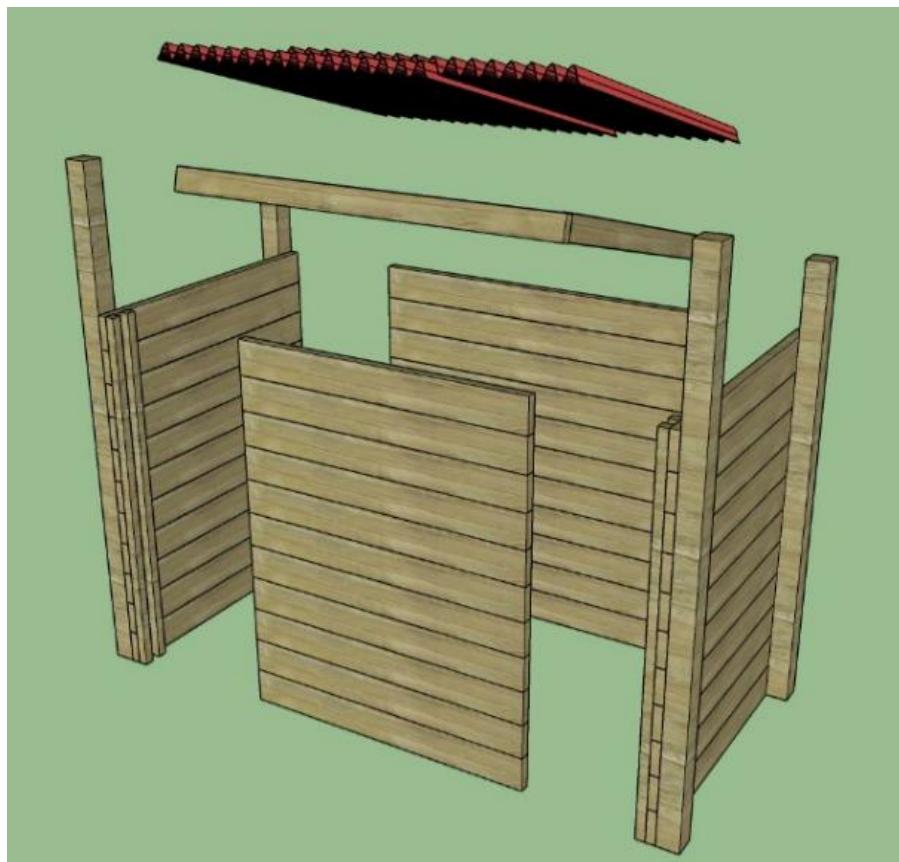
- Impactor (screw gun) w/ Phillip's head
- Level
- Hammer
- Pre-drill with countersink

Materials List

- Lumber
 - Size - 4x4
 - 2 ct. @ 72"
 - 2 ct. @ 84"
 - Size - 2x6
 - 11 ct. @48"
 - 11 ct. @ 47 5/8"
 - 11 ct. @58"
 - Size - 2x4
 - 3 ct. @ 52"
 - 2 ct. @ 61"
 - Size - 2x2
 - 4 ct. @60"
- Plastic Roofing
 - 3 sheets @ 26"x 57"
- Hardware
 - 260 screws
 - 55 washers

Notes

- Each untreated piece of lumber needs to be pre-drilled and countersunk before attached to avoid splitting
- If your manure bin has been constructed prior and labeled, you will need to place each board according to labeling where it needs to go.
 - Legend: From front of structure- 1s are at the bottom
 - Right Wall: R 1-11
 - Left Wall: L 1-11
 - Back Wall: M 1-11
 - Front Wall: F These are not numbered
 - Roof: 2x4s:
 - Top Left
 - Top Right
 - Top Middle
 - Top Front
 - Top Rear
 - Plastic Roofing: Not Labeled, line up holes for screws



Instructions

1. Construct Left Wall
 - Materials
 - 4x4 @ 72"
 - 4x4 @ 84"



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- (11) 2x6 @ 48"
- Mark both 4x4s ½" from bottom
- Measure and mark 4x4s 61" from bottom, this is where your top 2x6 will go
- Pre-drill and insert 1 screw on each side of 2 of the 2x6s
- Attach 1 2x6 at bottom of wall and 1 at top of wall
- Square up wall using a tape measure
 - Measure from one corner to the other diagonally, record, measure from other corners, if measurement is the same, your wall is square
- When your wall is square attach remaining 2x6s to 4x4s
- 2. Construct Right Wall
 - Directions are the same as Left Wall
 - Make sure the 2x6s are on correct side of 4x4s
- 3. Stand up both walls and attach 2x6s to back wall
 - Materials
 - 11 2x6s @ 58"
 - Use level to insure straightness
 - Leave top 2x6 off and attach to front of structure to insure correct dimension
- 4. Construct Roof
 - Materials
 - 2 2x4s @ 61"
 - 3 2x4s @ 52"
 - 3 plastic panels @ 26"x 55"
 - Attach 2 52" 2x4s to left and right walls
 - Attach 2 61" 2x4s to front and rear walls
 - Attach bracer @ 52" in middle of roof skeleton
 - Attach plastic roofing
 - Overlap panels
 - Panels should be flush on front and sides but hang over 2" in rear
 - Attach with plenty of screws using washers between screws and plastic to distribute pressure
- 5. Attach slots for front door
 - Materials
 - 2x2s @ 60"
 - Attach front 2x2 flush with front on both sides
 - Mark with pencil 1 ¾" from front 2x2
 - Attach rear 2x2 along pencil line
- 6. Insert 2x6s for front door
 - Materials
 - 11 2x6s @ 47 5/8"
 - Insert screws at bottom so that 2x6s do not touch the ground
 - Slide in 2x6s 1 by 1