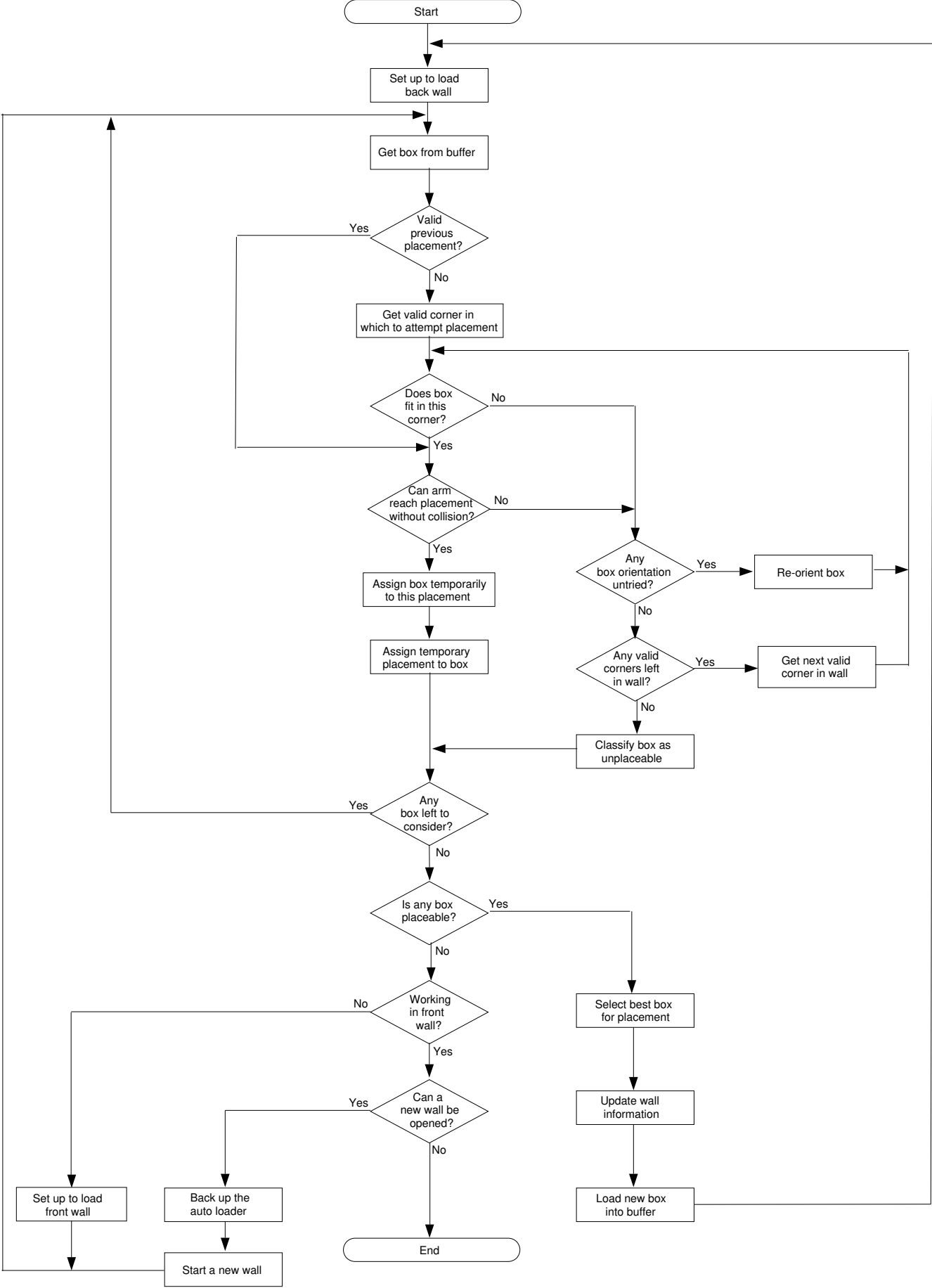
Start
Set up to load back wall
Get box from buffer
Valid previous placement?
Yes
No
Get valid corner in which to attempt placement
Does box fit in this corner?
No
Yes
Can arm reach placement without collision?
No
Yes
Assign box temporarily to this placement
Assign temporary placement to box
Any box orientation untried?
Yes
Re-orient box
No
Any valid corners left in wall?
Yes
Get next valid corner in wall
No
Classify box as unplaceable
Any box left to consider?
Yes
No
Is any box placeable?
Yes
No
Working in front wall?
No
Yes
Select best box for placement
Update wall information
Load new box into buffer
Can a new wall be opened?
Yes
No
Set up to load front wall
Back up the auto loader
Start a new wall
End