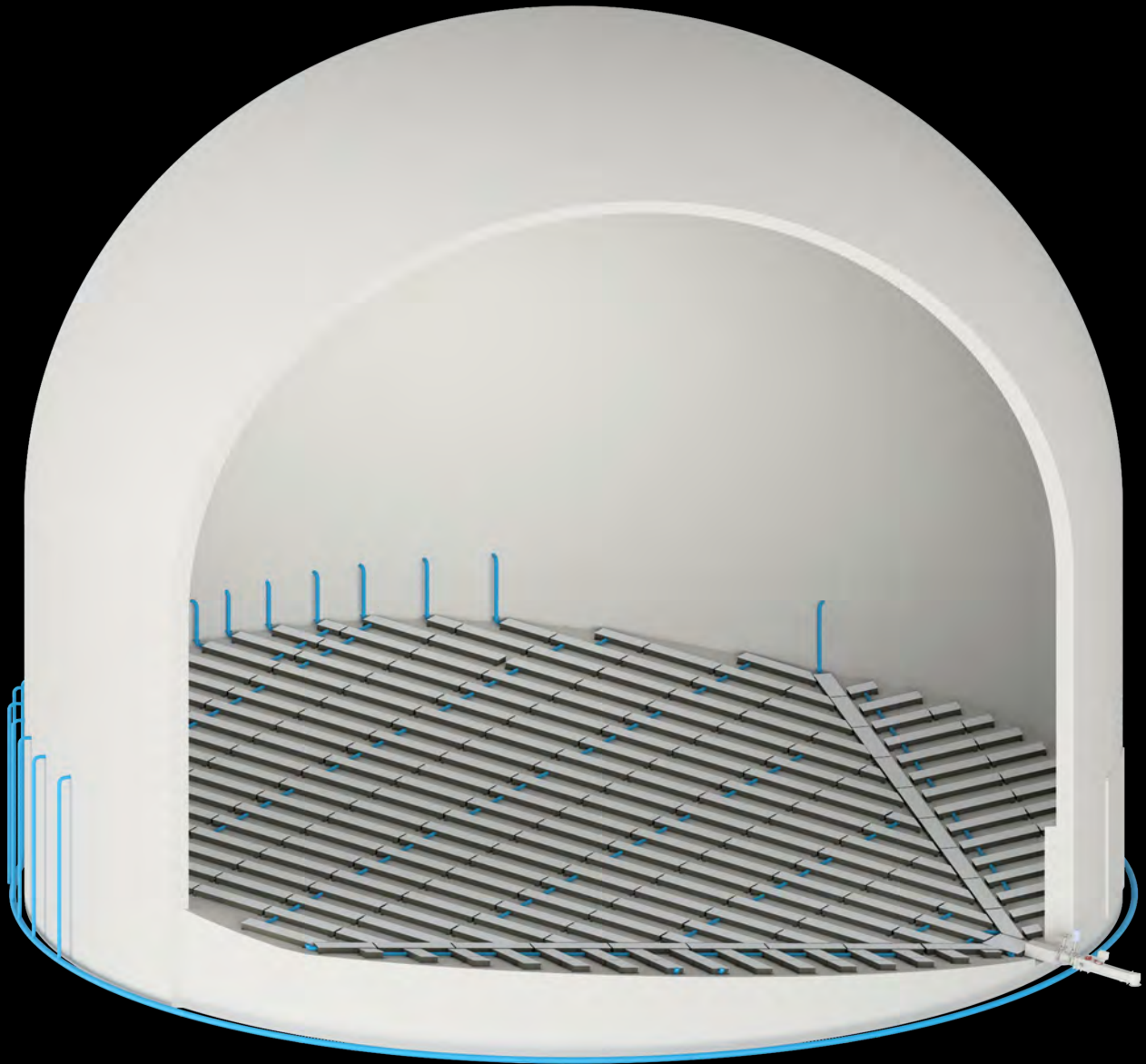




DUST CONTROL AND LOADING SYSTEMS INC.

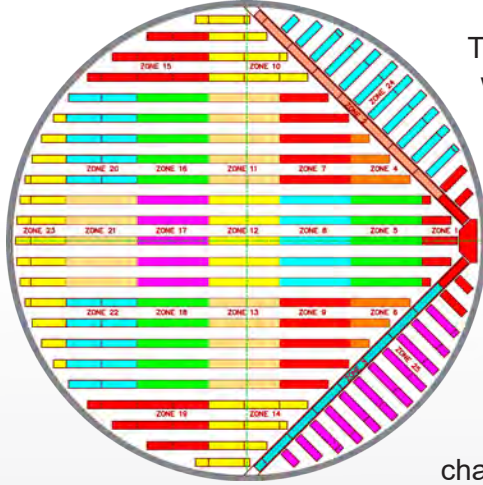


FLUIDIZED  
RECLAIM SYSTEMS

# SILO AND DOME STORAGE RECLAIM

DCL has made it possible to reclaim up to 97% of material in any sized silo or dome. A DCL fluidized floor can be either a side sloped or center sloped discharge design with live floor coverage dependent on the customer reclaim requirements and material type. Different material types require that the troughs be spaced within a maximum distance from each other.

DCL has learned from field experience that zone configuration is most important. Attention must be given to peripheral areas to avoid creating aerated surfaces that can become partially uncovered.

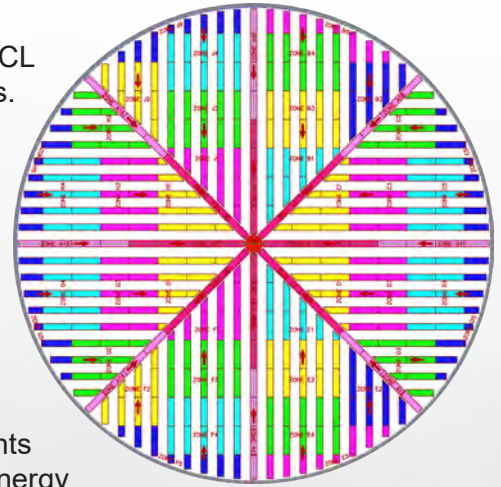
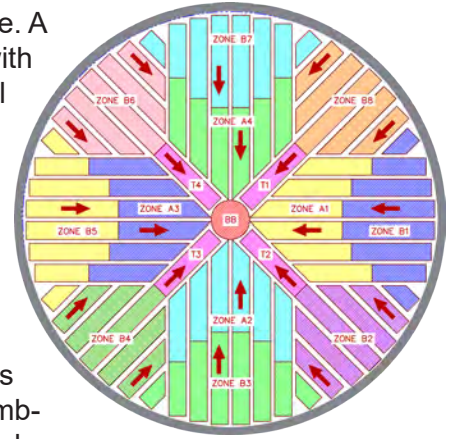


The aeration troughs are arranged in patterns which result in uncomplicated and simple plumbing procedures with all components installed above floor level (no buried trough, piping, or zone valves).

When geometry dictates - wedge or other shaped sections are incorporated into the floor layout to fill unwanted voids.

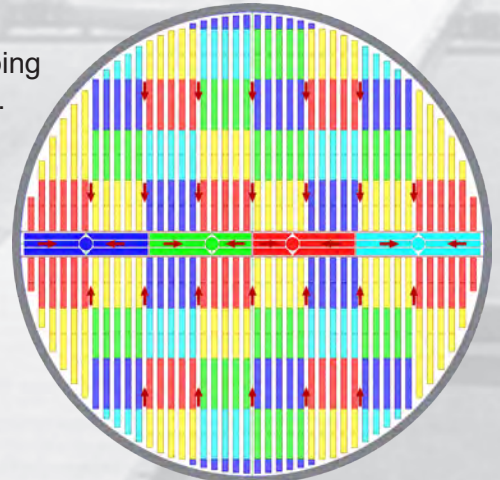
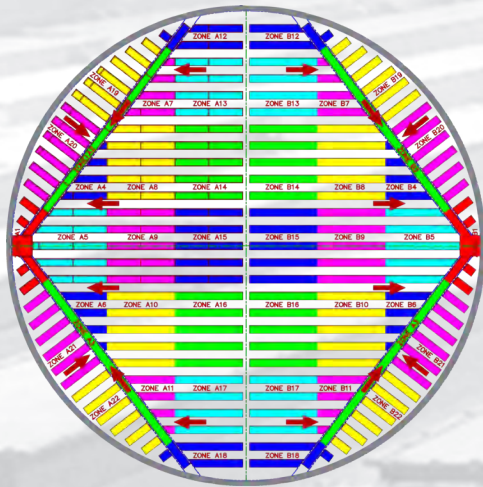
One of the biggest advantages of the DCL system is that there are no moving parts. Also, there is a very limited time period that the aeration media is subject to activation with the exception of the discharge. Maintenance does not require that heavy equipment be moved into the dome. Only the aeration media itself should ever require attention. Should a single 10 foot aeration trough pad within a zone or an entire zone become non functional, reclaim would not likely be affected.

Another large advantage is that the DCL design power consumption requirements are much less than other designs on the market. This makes for significant energy savings.



## ADVANTAGES

- Aeration piping is included and the connecting zone piping is pre-installed inside the conveyor.
- Fewer pipe penetrations. Only one pipe to group of conveyors instead of every floor section.
- Sections are joined by flanged or flexible connections. This eliminates the need for field welding.
- All equipment; including piping is pre-fabricated and assembled.
- All equipment is mounted to the floor surface with out the need for floor embedments.
- Air connections are bolted or clamped without the need for welding.
- Versatile, partial coverage designs with 95% to 97% reclaim efficiency.
- Low-maintenance with no internal moving parts.

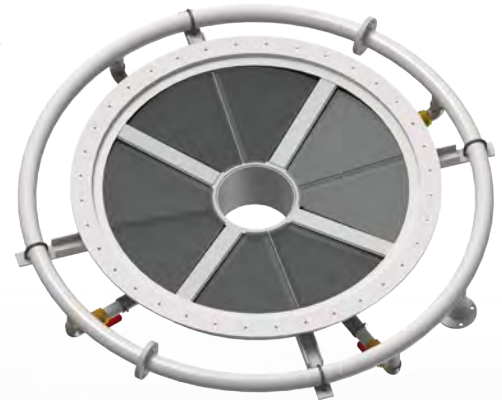
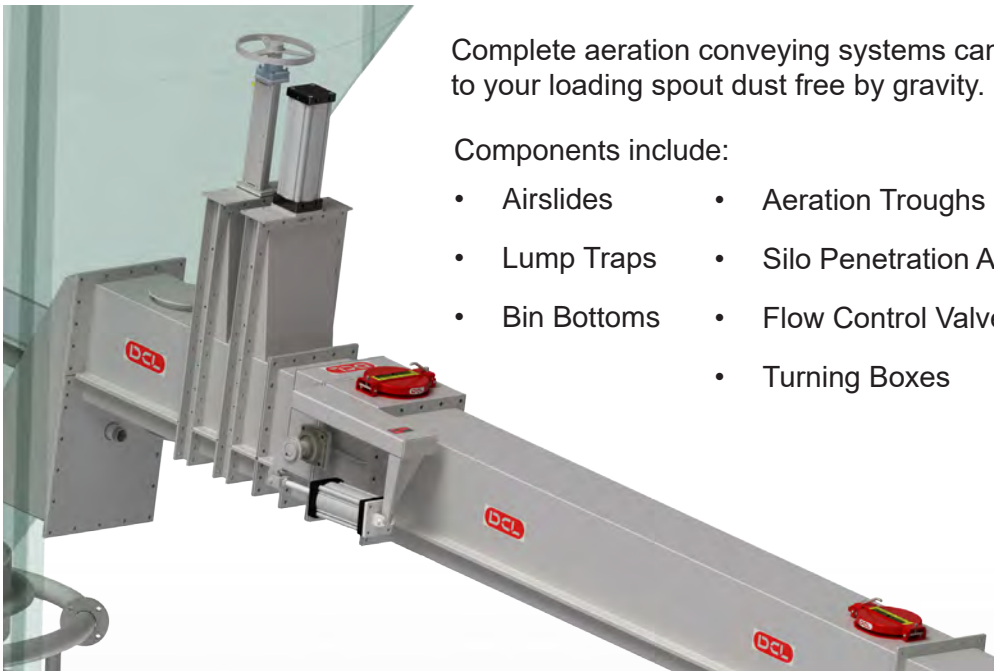


## AERATION EQUIPMENT

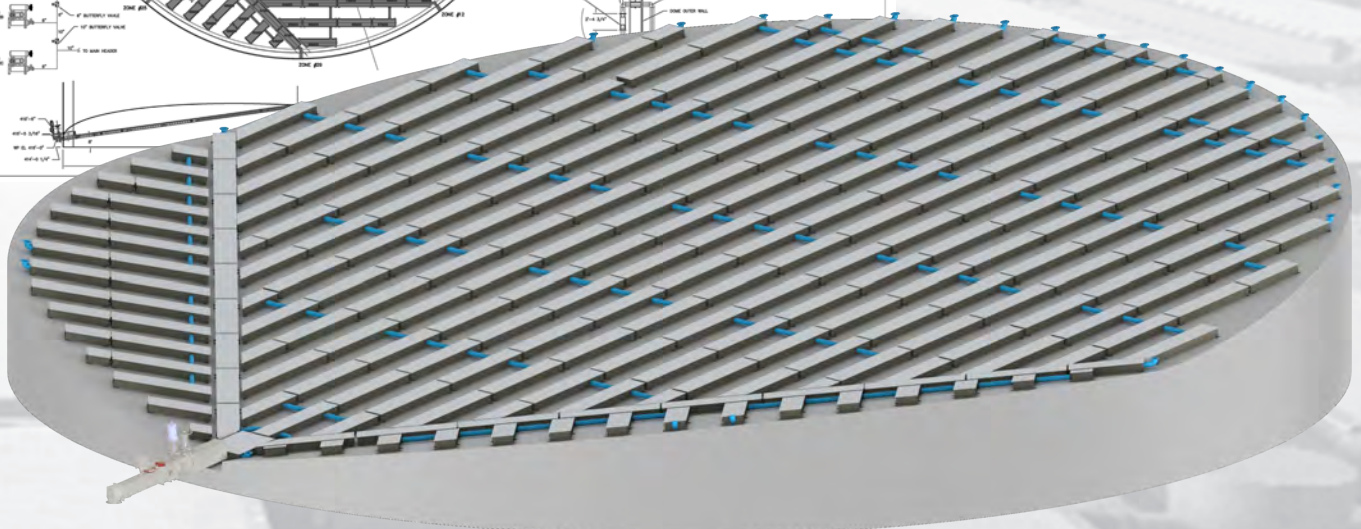
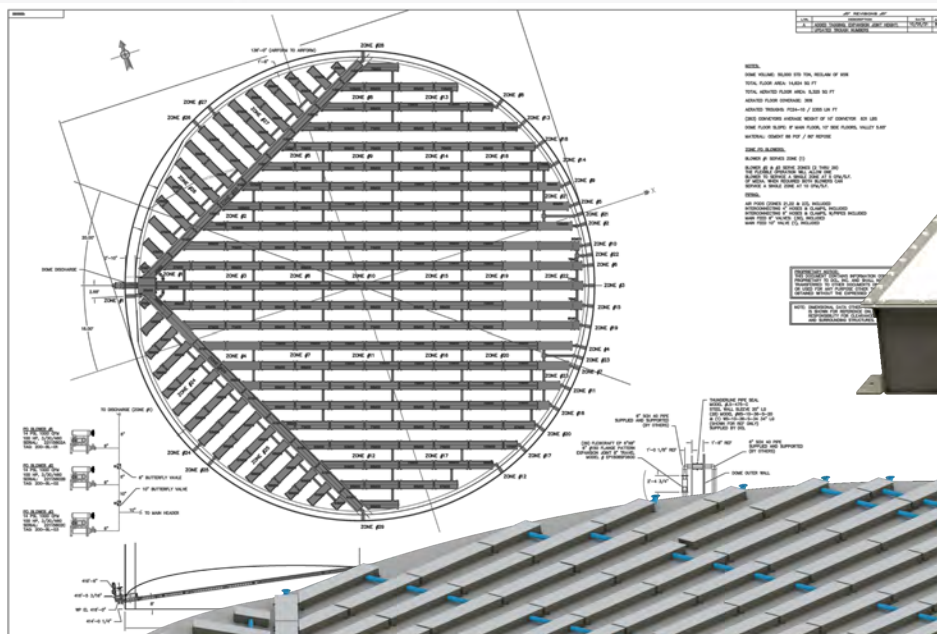
Complete aeration conveying systems can be provided from the silo, bin, or dome to your loading spout dust free by gravity.

Components include:

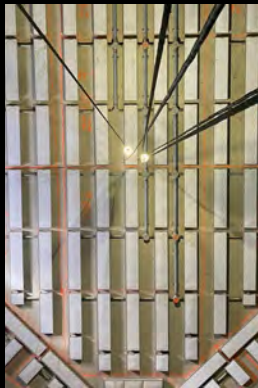
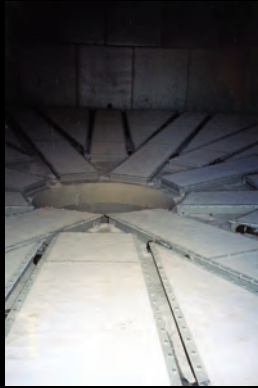
- Airslides
- Lump Traps
- Bin Bottoms
- Aeration Troughs
- Silo Penetration Adaptors
- Flow Control Valves
- Turning Boxes



## FLUIDIZED FLOOR DETAIL



# Load with the Leader



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