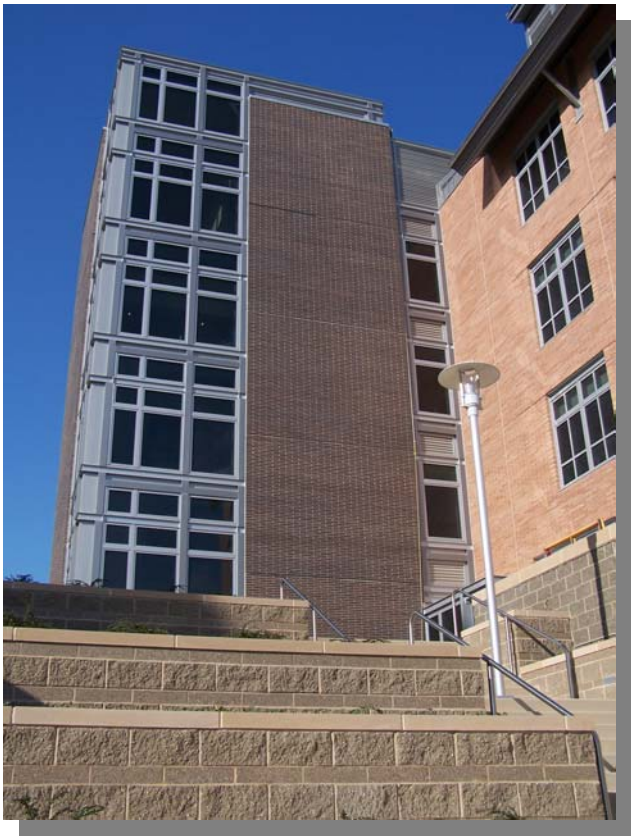
CADDY CORPORATION

Food Service Equipment Air Systems

VISTEON VILLAGE



RACK STORAGE ABOVE AND BELOW TABLE

WATER PROOF CONTROLS

CARRIER REMOVAL AREA

TRANSFER BELT TO DISHWASHER

STORAGE FOR RACKS ABOVE AND BELOW SLAT BELT TABLE

ROLLED EDGES

HEAVY DUTY, FULL FRAME
S/S WIRE RACKS

REMOVABLE SLIDE PLATES TO HOLD
RACK EDGE OVER DRAIN TROUGH

DESIGN NOTES FOR FUTURE REFERENCE

The Visteon Village accumulator was set up for 104 trays (4 trays per rack ... model STA-R-40) with 26 racks.
The drop off window had an opening for 8 carrier racks (32 rack opening or eight people could drop off trays at one time).

Note: A STA-R-50 holds 5 trays per rack and if the project had this model it would have had the capacity for 130 trays for example with 26 racks.

OK basic design parameters are:

- Scrapers (dish room staff) can handle 6 trays per minute (depending on the amount of material and pieces per tray).
- The average is 4-5 trays per minute being conservative for design estimates.
- Each rack on an accumulator can hold 5 trays.
- The speed can range from 0-12 FPM .... normal speed settings are between 5-10 FPM
- There is one rack for every 1' 8" (1.66 feet) of accumulator length
- IE: if the accumulator speed is at 10 FPM and the scrapers can handle 5 trays per minute you could have a capacity of 30 trays per minute with 6 scrapers ..... note it is the number of people removing and cleaning off the trays that set the capacity of the system to keep the accumulator empty for the cafeteria people to load trays on.
- Usually each scraper needs 45"- 48" of dish table length (or work station area per person)
- We can make the accumulator any size to handle any amount of trays but the dish room staff have to be able to remove them from the racks.
- The accumulator system is the most efficient high volume system by far .... But if the staffing does not match its capacity then the accumulator will fill up with no more space for trays eventually.
- The other point in design is the drop off window size allowing for enough area for the cafeteria clients to drop off their trays in a given amount of time at PEAK period.
- Drop off windows normally are setup to match the number off racks that line up on the straight side of the accumulator. The window length is the accumulator total number of racks less 8 (4 racks for the turn on each end).
- A 26 carrier rack system could have a window lining up with 8 racks. Note: windows can be made smaller in size if required to accommodate the drop off area space.

We hope this information is of some help. However if you can get us the following information we could do a proposal layout for your consultants when they need one. We have a few experts in house with over 20 years each that may have some ideas that no one has thought of yet on a projects design. We would be happy to try and help out.

- Plan view of space and type of equipment to be used for ware washing including flow pattern.
- Type and size of dishwasher
- Approximate trays per minute during peak period
- Staffing objectives