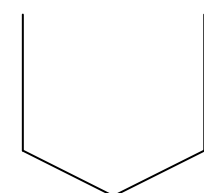


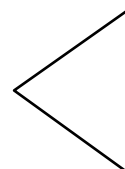
LIME CALCINER & CARBONATOR



Solids Storage Bin



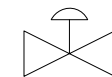
Flash Drum



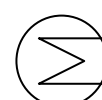
Divider



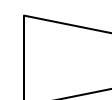
Heater



Feed Control Valve



Cooler



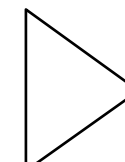
Compressor



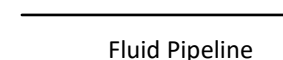
Reactor



Solids Mixer



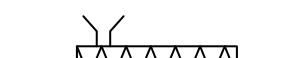
Fluids Mixer



Fluid Pipeline



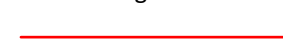
Fluid Feed Pipeline



Solids Conveyor



Cooling Water Utility



Steam Utility

Notes:

- BIN-1 contains limestone feed. Processing and purification of limestone feed omitted at present.
- Reactor R-1 is a Direct Separation Reactor. Fuel is burned in a separate chamber to that in which the limestone is calcined.
- Reactor R-2 is a Riser Reactor
- Detailed process control and instrumentation omitted at present
- Detailed heat integration omitted at present.
- Steam utility assumed to come from an on-site boiler.