MECHANICAL REFERENCE NOTES:

- Provide 110V dedicated circuit for chemical panel and city blowdown magnet.
- Provide lockable 120V switch located at/near city water magnet.
- The cooling tower drain and overflow drain should be connected before the blowdown meter.
- Pipe between the pumps and the chillers requires a tap with a ball valve and check valve.
- Connection should be from the separator drain to provide periodic solids blowdown.
- Schedule should be included with control drawing sheets.
- Refer to schedule below for required blowdown pipe sizes. Indicate pipe sizes on project drawings.
- Provide additional isolation valve at each supply sequence.
- Refer to schedule below for pipe size sequence.
- Condenser water system includes a centrifugal or coalescing separator; the blowdown connection should be from the separator drain to provide periodic solids blowdown.
- Provide DDC monitors general fault alarm and water conductivity.
- Retractable injection quill assembly:
  - See detail A
  - Obtain training before use
  - Engraved plastic label: Retractable injection quill assembly
  - No scale
  - Module: 15710
  - Date: 05/28/13
  - Description:
  - Condenser Water Treatment Equipment Diagram (Solid Chemical Method)
  - Condenser Water Treatment Equipment Diagram (Bromine Method)

CONDENSER WATER TREATMENT EQUIPMENT DIAGRAM (SOLID CHEMICAL METHOD)

- Condenser water treatment equipment diagram (solid chemical method)
- Designer notes (delete from contract drawings):
  - All isolation valves except as noted.
  - All isolation valves provide is isolation valve at each connection point.
  - Provide connection at every connection point.
  - Motor operated ball valve.
  - PVC clear plastic strainer from cooling tower drain and basin overflow.
  - Solid corrosion inhibitor dissolver.
  - Flow indicator.
  - Corrosion coupon rack.
  - Chemical feed pump.
  - See detail A
  - Refer to other drawings for tower blowdown connection point.
  - Brake feeder tank.
  - Motor operated ball valve.
  - PVC clear plastic strainer from cooling tower drain and basin overflow.
  - Solid corrosion inhibitor dissolver.
  - Flow indicator.
  - Corrosion coupon rack.
  - Chemical feed pump.
  - See detail A
  - Refer to other drawings for tower blowdown connection point.

SCHEDULE

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<th>Pipe Size</th>
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Additional Information:

- Referenced Details/Schedules:
  - Condenser Water Treatment Equipment Diagram (Bromine Method)

References:

- The University of Michigan
- Architect/Engineers
- Built by: The University of Michigan
- Date: 05/28/13

Approval:

- Project Manager
- Date: 05/28/13