

1) GENERAL DESIGN CONSIDERATIONS

- a) Bathhouse facilities comply with local health department code
- b) Showers, telephone, and drinking water fountain within distance
From pool dictated by code
- c) Pool lighting designed to meet code; requirements vary with
lighting option chosen:
 - i) In-pool lighting only
 - ii) In-pool lighting with area lighting
 - iii) Area lighting only
- d) Deck drainage system designed; options include:
 - i) Slope away from pool (usually ¼” per foot to ½” per foot)
 - ii) Area drains (distance apart dictated by code)
 - iii) Continuous slotted deck drain
 - iv) Integral deck drain in stainless steel gutter
- e) Building footers designed so as not to load pool walls
- f) Equipment room footer lowered to prevent building load transfer to
vacuum sand filter (if applicable)
- g) Equipment room floor designed to accept load of pressure
sand filters (if applicable)
- h) Filter foundation pad incorporated in structural drawings (by GC)
- i) Permanent dewatering system designed as warranted by site
conditions

2) PLUMBING AND MECHANICAL WORK

- a) A 1½" (minimum) water line is supplied to pool area for filling
 - b) Backwash pit (3' X 3' X 3' minimum) and waste line designed to accept backwash flow rate as given in drawings
 - c) Backwash waste line discharges into sanitary or storm sewer as required by code
 - d) Separate rooms for mechanical equipment and chemical storage, each with floor drainage provided
 - e) Pump pit drainage provided (if applicable)
 - f) Hose bibs provided for equipment room, chemical storage room and pool deck
 - g) Approved double-acting backflow preventer supplied on pool water source
 - h) Pool heat system designed:
 - i) Gas boiler
 - ii) Steam heat exchanger
 - iii) Hot water heater
 - iv) Dehumidification system
- *Pool contractor to provide T's for heating system; plumbing Contractor to provide piping to and from heat source.
- h) Necessary ventilation in natatorium designed
 - i) Continuous ventilation of equipment room and chemical storage room provided
 - k) Gas lines designed by mechanical engineer
 - l) Heater flues designed by mechanical engineer
 - m) Pool heater system interlocked with pool recirculating pump (if required)

3) ELECTRICAL WORK*

- a) Design of electrical feeds, starters, disconnects, conduit and wiring provided per equipment described in pool drawing
- b) Pool grounding provided; includes pool, deck mesh, deck equipment anchors and all metal items within 5' of pool in compliance with applicable codes
- c) Pool chemical controller interlocked with main recirculating pump; starter should have 120V holding coils
- d) Manually operated chemical feeder (s) interlocked with main pumps (if no controller is used)
- e) Pool pump starter designed and shown
- f) All circuits for pool equipment shown
- g) Automatic water level control circuit has on/off switch in line with power source; electrical requirement shown on plans
- h) Pool electrical equipment (as listed on pool drawings) is incorporated into electrical drawing
- i) Specifications instruct electrical contractor to install pool contractor supplied equipment, and to supply starters, disconnects, conduit, interlocks and wiring

*NOTE: A list of electrical equipment supplied by Paddock is given in the preliminary drawings, Or in the absence of drawings, is attached to this checklist. Electrical engineer responsible for design. Electrical contractor responsible for installation.