1.08 PROJECT CONDITIONS

A Protection of Work: During erection, cover top of walls with waterproof sheeting at end of each day's work. Cover partially completed structures when work is not in progress.
   1. Extend cover a minimum of 24” down both sides and hold cover securely in place.

B Do not apply uniform floor or roof loading for at least 12 hours after building masonry walls or columns.

C Staining: Prevent grout, mortar or soil from staining the face of masonry to be left exposed or painted. Remove grout or mortar in contact with such masonry immediately.

D Do not apply concentrated loads for at least 3 days after building masonry walls or columns.

E Protect base of walls from rain-splashed mud and/or mortar splatter by means of coverings spread on ground and over wall surfaces.

F Protect sills, ledges and projections from droppings of mortar.

G Cold Weather Protection:
   1. Do not lay masonry units that are wet or frozen.
   2. Remove any ice or snow formed on masonry bed by carefully applying heat until top surface is dry to the touch.
   3. Remove masonry damaged by freezing conditions.
   4. For clay masonry units with initial rates of absorption which require them to be wetted before laying, comply with the following:
      a. For units with surface temperature above 32 Degrees F, wet with water heated to above 70 Degrees F.
      b. For units with surface temperature below 32 Degrees F, wet with water heated to above 130 Degrees F.

H Perform the following construction procedures while masonry work is progressing.
Temperature ranges indicated below apply to air temperature existing at time of installation, except for grout:
   1. For Grout: Temperature ranges apply to anticipated minimum night temperatures. In heating mortar and grout materials, maintain mixing temperature selected within 10 Degrees F.
   2. 40 Degrees F to 32 Degrees F:
      a. Mortar: Heat mixing water to produce mortar temperature between 40 Degrees F and 120 Degrees F.
      b. Grout: Follow normal masonry procedures.
   3. 32 Degrees F to 25 Degrees F:
      a. Mortar: Heat mixing water and sand to produce mortar temperatures between 40 Degrees F and 120 Degrees F. Maintain temperature of mortar on boards above freezing.
b. Grout: Heat grout materials to 90 Degree F to produce in-place grout temperature of 70 Degree F at end of work day.

4. 25 Degrees F to 20 Degrees F:
   a. Mortar: Heat mixing water and sand to produce mortar temperatures between 40 Degrees F and 120 Degrees F. Maintain temperature of mortar on boards above freezing.
   b. Grout: Heat grout materials to 90 Degrees F to produce in-place grout temperature of 70 Degrees F at end of work day.
   c. Heat both sides of walls under construction using salamanders or other heat sources.
   d. Use windbreaks or enclosures when wind is in excess of 15 mph.

5. 20 Degrees F and Below:
   a. Mortar: Heat mixing water and sand to produce mortar temperatures between 40 Degrees F and 120 Degrees F.
   b. Grout: Heat grout materials to 90 Degrees F to produce in-place grout temperature of 70 Degrees F at end of work day.
   c. Masonry Units: Heat masonry units so that they are above 20 Degrees F at time of laying.
   d. Provide enclosure and auxiliary heat to maintain an air temperature of at least 40 Degrees F for 24 hours after laying units.
   e. Do not heat mixing water for mortar and grout to above 160 Degrees F.

I Protect completed masonry and masonry not being worked on in the following manner:
(Temperature ranges indicated apply to mean daily air temperatures except for grouted masonry; if for grouted masonry, temperature ranges apply to anticipated minimum night temperatures.)

1. 40 Degrees F to 32 Degrees F:
   a. Protect masonry from rain or snow for at least 24 hours by covering with weather-resistant membrane.

2. 32 Degrees F to 25 Degrees F:
   a. Completely cover masonry with weather-resistant membrane for at least 24 hours.

3. 25 Degrees F to 20 Degrees F:
   a. Completely cover masonry with weather-resistant insulating blankets or similar protection for at least 24 hours; 48 hours for grouted masonry.

4. 20 Degrees F and Below:
   a. Except as otherwise indicated, maintain masonry temperature above 32 Degrees F for 24 hours using enclosures and supplementary heat, electric heating blankets, infrared lamps or other methods proven to be satisfactory. For grouted masonry maintain heated enclosure to 40 Degrees F for 48 hours.