SECTION 236201 – ICE MACHINES – MEDICAL CENTER: PATIENT CARE and LABS

1.1 SUMMARY – Ice machine units are used in kitchen-food preparation, patient care (human consumption), and laboratory use.
   A. Factory-assembled and tested, air-cooled preferred, water-cooled condensing units.
   B. Accepted Manufacturers
      1. Patient Care Areas – Water/Ice Machine
         a. Follett Symphony 12 Series Ice & Water Dispenser w/ sensor safe dispensing (Med Assets Contract #MS01533)
         b. Follett 7 Series Countertop Ice and Water Dispenser.
         c. Ice Storage Bin- patient care 12 lbs. maximum
         d. Or equivalent with Director of Facilities Approval
      2. Patient Care Areas – Ice Machine w/ Storage Bin
         a. Hoshizaki – F-300 BAF Self-Contained Flaker w/ Built-in Storage (NYS Contract Pricing: Group 24200, Award 20075)
         b. Ice Storage Bin- patient care 12 lbs. maximum
         c. Or equivalent with Director of Facilities Approval
      3. Laboratory Use – Ice Machine w/ Storage Bin
         a. Hoshizaki – F-300 BAF Self-Contained Flaker w/ Built-in Storage (NYS Contract Pricing: Group 24200, Award 20075)
         b. Or equivalent with Director of Facilities Approval

1.2 QUALITY ASSURANCE
   A. Quality Standard: ASHRAE 15, ASME Boiler and Vessel Code: Section VIII.

1.3 WARRANTY
   A. Materials and Workmanship: 3 years parts & labor on entire machine, 5 years parts on compressor, evaporator and condenser coil.

1.4 PRODUCTS
   A. Ice Machine Water and Drain Connections
   B. Plumbing Permit is required for new installations
   C. Patient Care Water/Ice Dispenser Diagram (See attached “Ice Machine Install Patient Care”)
   D. Patient Care Areas & Laboratory Diagram (See attached “Ice Machine Install Lab Use”)
   E. Water Filtration Manifold
      1. Patient Care Units- for incoming potable water for ice making
         a. The filtration for patient ice uses a 5 micron dirt/rust filter cartridge (Pure-Pro # PP-S05-S or equivalent).
         b. Domestic water supply shall be hard piped using type “L” copper to the water filtration manifold.
         c. The water filtration manifold shall be connected using 3/8” soft type “L” copper tubing.
         d. Ball valve shall be installed before water filter manifold, 3/8” minimum size.
         e. Water filtration manifold shall be mounted in an accessible location to facilitate filter changing and within 6’ of the ice machine.
         f. Per City of Rochester Plumbing Code a backflow prevention device (Watts Model N9 or equivalent) shall be installed on the incoming potable water line.
         g. Plumbing permit is required for ice machine installation.
      2. Patient Care Areas & Laboratory Ice Machine w/ Storage Bin- for incoming potable water for ice making.
         a. The filtration for lab ice uses the roughing filter, 5 micron dirt/rust filter cartridge (Pure-Pro # PP-S05-S or equivalent).
b. Domestic water supply shall be hard piped using type “L” copper to the water filter housing.
c. The water filter shall be connected using 3/8” soft type “L” copper tubing.
d. Ball valve shall be installed before water filter manifold, 3/8” minimum size.
e. Water filter housing shall be mounted in an accessible location to facilitate filter changing and within 6’ of the ice machine.
f. Per City of Rochester Plumbing Code, a backflow prevention device (Watts Model N9 or equivalent) shall be installed on the incoming potable water line.
g. Plumbing permit is required for ice machine installation.

F. Drainage Piping
   1. Unions shall be installed on ice machine drain connection to facilitate removal of drainage tubing to clean. Minimum 3/4” copper drain line with vent.
   2. An air gap shall be 2X the diameter of the pipe installed on copper drain line.

G. Unit shall be installed according to good piping practices and applicable plumbing and electrical code(s).

H. Sanitation procedure for new or re-commissioned ice machine units to be performed by MCFO. Refer to SMH Quarterly Ice Machine Sanitation Procedure.
ICE MACHINE INSTALL PATIENT CARE

USE FOLLETT COUNTER ICE MACHINE OR EQUAL
USE WATT'S NO. 9 BD (OR EQUAL) ON WATER SUPPLY TO ICE MAKER.
USE FOLLETT PART # 00130229 WATER FILTRATION SYSTEM OR EQUAL

- Ball Shut-Off Valve
- Domestic Water Supply
- Water Filtration System
- Watts No. 9 BD
- Funnel Drain Where Applicable
- 3/4" Min.
- 3/8" Copper Ice Making Water Supply
- Counter
- Air Gap Per Plumbing Code
- Watts No. 9 BD (Or Equal)
- Follett Patient Counter Ice Maker (Or Equal)
- 5 Micron Filtration System
ICE MACHINE INSTALL LAB USE

USE HOSHIAKI F-300BAH ICE MACHINE OR EQUAL
USE WATT’S NO. 9 BD (OR EQUAL) ON WATER SUPPLY TO ICE MAKER.
USE 5 MICRON WATER FILTRATION SYSTEM OR EQUAL
USE BALL VALVE WATER SHUT-OFF

3/8" ICE MAKING WATER SUPPLY MIN.
WATT’S NO. 9 BD BACK FLOW
VENT (ice) 1"
WATER FILTRATION SYSTEM
BALL SHUT-OFF VALVE
DOMESTIC WATER SUPPLY
WATER INLET 1/2" FPT
SHUT-OFF VALVE
DRAIN VALVE
DRAIN PAN OUTLET 3/4" FPT
BIN DRAIN OUTLET 3/4" FPT
AIR GAP PER PLUMBING CODE
FUNNEL DRAIN WHERE APPLICABLE
WATT’S NO. 9 BD (OR EQUAL)
5 MICRON FILTRATION SYSTEM