PART 1 - GENERAL

1.01 Roof Access: Designs should provide roof access via doors where possible. Roof Hatches should be avoided. Confirm roof access device with the AHJ.

1.02 Roof hatches:
   A. Insulated, corrosion-resistant finish, leak proof, and capable of supporting snow load per code.
   B. Design covers, especially smoke hatches, to minimize snow buildup.

1.03 Direct overflow scupper discharge away from entry ways or walkways.

PART 2 - PRODUCTS

2.01 Roof hatches:
   A. Provide corrosion-resistant hardware, including a hasp for locking.
   B. Provide positive hold-open device.
   C. All roof hatches must be counter balanced or spring-loaded.
   D. Provide lockable "ladder-up" device with all roof hatches.
   E. Confirm requirement for security alarm with FS/DDC.

2.02 Rain gutters: seamless construction.

2.03 Snow guards are required on metal roofs.

2.04 Lightning Rods per Division 26

2.05 Discharge Scuppers: Per Division 22, Bronze finish

2.06 Heat Trace: Per Division 23 or 26

2.07 Drain Bowls: Per Division 22

PART 3 - EXECUTION

3.01 Mount roof accessories on curbs high enough from the roof surface to allow maintenance and avoid flooding. Typical heights for roof curbs are 18 inches to 24 inches above roof finish.
3.02 Items to be coordinated amongst multiple trades: Roof drain discharge scuppers, bowls, and leaders:

A. Heat-tracing: Do not provide heat trace on roof drain bowls inside warm ceilings unless directed by FS/DDC. Heat trace the discharge outlet of any scuppers to a point inside the interior of the building from where it is controlled. Place control of heat trace on the DDC system such that the heat trace is only on when the outside air temp is between 10 and 35 degrees Fahrenheit above zero. Refer to Division 25, 26, and 33 for additional requirements.

B. Insulation: Refer to Section 22 07 00

C. Install scuppers at ground level, discharging away from pedestrian walkways.

D. Refer to Division 22 for installation of drain bowls. Place drain bowls in such a way as to allow heat from the building to keep them frost free.

E. Provide debris guard on all roof drain bowls.

END OF SECTION