

SECTION 07610

SHEET METAL ROOFING

PART 1 - GENERAL

1.1 PROJECT INCLUDES

- A. Sheet Metal Roofing:
 - 1. Standing-seam type.
 - 2. Snow guards discouraged. The college does not consider snow guards to be a reasonable alternative to proper design that accommodates New Hampshire winters.

1.2 QUALITY ASSURANCE

- A. Field-Constructed Mock-Up: Construction documents must require a mock up that reflects all roof details and a typical field area. Prior to start of constructing the roof system.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Copper Roofing Sheets:
 - 1. Type: ASTM B 370, cold-rolled, temper H00.
 - 2. Weight: 16 ounces per square foot for field.
 - 3. Weight: 20 ounces per square foot for valleys.
 - 4. Finish: Natural finish. The college has used pre-patinated copper under some circumstances. This is not preferred in general.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Standing seam roofing: Conform to SMACNA Architectural Manual, 5th edition, page 6.12, figures 6-4 to 6-6, use field formed seam, detail 2. Continuous copper pans are preferred for metal roofing. Seams are acceptable if required or recommended by architect.
- B. Roof Insulation/Sleeper detailing is critical to the thermal integrity of the building. The architect must review the roof system details and sections with the FPO and FOM representatives explaining; (1) design decisions made and; (2) how the system will protect the building and minimize maintenance costs.
- C. Generally install roofs using 24" wide sheet copper which results in standing seams nominally less than that in dimension. We also have batten seam roofs on campus but, unless there are compelling reasons to employ that detail, the preference is to use standing seams due to cost implications.

END OF SECTION