1.1 **GENERAL**

1.2 **Description**

.1 Wood Flooring and Related Accessories.
.2 Finishing of Wood Sports Floors.

1.3 **Performance Standards**

.1 NFCA National Floor Covering Association
   .1 Floor Covering Specification Manual

.2 Sports Floor Systems (Resilient Systems)
   .1 Performance criteria standards and requirements to be determined with Sports
     Associations and users for each particular sport, and specialist sports floor system
     manufacturers.

1.4 **Quality Control and Assurance**

.1 Submittals
   .1 Confirm with SFU that gym floor markings are to current regulations and meet
     requirements.

.2 Quality Assurance
   .1 Trade to have recognized specialized experience and have successfully completed 5
     similar wood floor and/or Sports Floor System installations, including sanding and
     finishing, for 5 preceding years minimum.

.3 Building Acclimation
   .1 Ensure wood flooring is given proper time for acclimation to the building
     environment.
   .2 Ensure building environment conditions are stable with acceptable temperature and
     humidity levels, together with operational HVAC system, before starting acclimation
     process.

2.1 **MATERIALS**

2.2 **Performance Requirements**

.1 General
   .1 Longest life finishes to be used. SFU recognizes that this will likely involve products
     with high VOC content. Ensure coordination in job scheduling. Sufficient ventilation to
     be provided, including to prevent absorption by other materials.

2.3 **Prescriptive Requirements**

.1 Components
   .1 New wood floors (other than Sport Floors) to be factory pre-finished, c/w acrylic
     impregnation of the wood cells to improve indentation and wear resistance, and finish
     coat of extra-hard mineral crystals suspended in multiple coats of ultra-violet cured
     urethane with stain injected throughout the wear layer, all to minimize maintenance.

.2 Finishes
   .1 Sports Floors
     .1 Sealer shall be 2 coats water based or moisture cured urethanes - Basic
       Coating Hydro line, Reichhold MC330 or equal.
     .2 Line marking paint to be compatible with sealer and top coat.
     .3 Top Coat shall be water based or moisture cured urethane - Basic Coat Street
       Shoe, Reichhold MC330 or equal.
.3 Execution
   .1 Refinishing of Sports Floors
      .1 Sand off existing floor finishes with 16 or 24 grit paper.
      .2 Second Cut shall use 36 grit paper, if old finish is still present.
      .3 Follow rough sanding with 60 grit paper.
      .4 Skim fill entire floor with latex wood sealer.
      .5 Final sand with 100 grit paper.
      .6 Vacuum floor prior to first coat of finish.

***END OF SECTION***