1.1 **GENERAL**

1.2 **Coordination Requirements**

.1 Coordinate with SFU Facilities.
.2 Coordinate with other design disciplines.

1.3 **Description**

.1 Additional SFU design and approval requirements for Heat Transfer devices.

2.1 **MATERIALS AND DESIGN REQUIREMENTS**

2.2 **Detailed Description**

.1 Campus building heating systems are supplied from the Central Plant with a Primary Supply Water Temperature up to 120°C. Building design should be optimized to provide maximum ΔT between Primary Supply and Primary Return Water Temperatures.

.2 Design parameters/load requirements must be reviewed with and approved by the Mechanical Department and the Chief Engineer

2.3 **Heat Exchangers**

.1 Design with sufficient room for service and at elevations accessible without portable ladders.

.2 Design to ensure adequate head to allow gravity drain to condensate receiver especially with modulating steam valves.

.3 Specify ASME rated heat exchangers.

.4 Specify pressure relief valves.

.5 Specify double wall plate and frame heat exchangers to serve DHW storage tanks.

***END OF SECTION***