



#### AIR CONDITIONING PROJECT

- The exterior air conditioning equipment shall be mounted onto the building using an American made GS-60 type mounting bracket or equal. Mounting location is on the south exterior wall (Houlton Christian Academy side of building). Approximately one (1) foot off of the ground and between the two (2) windows on the left side of the building.
- Piping shall enter the building at the location of the exterior equipment and shall be piped upward into the interior of the building using an existing boxed-in corner of the postal mailing shelves in the Sheriff's secretarial office. (There is existing access at the top and bottom of the boxed-in shelving area.)
- The interior air conditioning equipment shall be mounted on the interior south wall of the Sheriff's secretarial office above the postal mailing shelves.
- The old location of the interior air conditioning equipment shall be cleaned, sealed, patched, sanded and made paint ready and aesthetically pleasing.

#### BOILER REPLACEMENT PROJECT

- Boiler specifications regarding questions of circulator pumps and zoning shall be bid as originally specified; going from seven (7) to eleven (11) zones with five (5) pumps of equal gallons per minute and head. Existing fin tube radiation is one and one fourth (1-1/4) inch copper.
- Two (2) Shur-Burn oil pre-heaters or equal shall be installed as *part of this Boiler Replacement Project* at the Sheriff's Office Building. Provide and furnish all necessary labor and materials in connection with the installation of two (2) the oil pre-heaters at the Sheriff's Office Building, 25 School Street, Houlton, Maine.. The result of all labor and materials will provide two (2) fully operational energy efficient oil pre-heating systems to meet the Owner's needs; consistent oil temperature prior to combustion; increase combustion efficiencies; and reduction of soot build up in fireside boiler passes. Provide any and all subcontract work, as needed. (e.g.: electricians, plumbers, etc.). Location of the two (2) oil pre-heater installations shall be in the boiler room located in the basement of the Sheriff's Office Building. Each oil pre-heater shall be sized correctly to operate properly with the burner the oil pre-heater is being connect to.
- A "complete" chimney liner kit shall be installed in the chimney of the Sheriff's Office Building including chimney top materials and chimney bottom clean-out materials. This installation of a complete chimney liner kit shall bring this existing chimney "up to code" and shall be a completely operational chimney system to meet the Owner's needs.

#### PIPE INSULATING PROJECT

- Pipe insulating shall include heat pipes in the “basement” not just in the boiler rooms.
- Heat pipes that have existing insulation but have missing insulation joints and taping; shall have new installation joints and taping installed as part of this project.
- Heat pipe insulating at the Sheriff’s Office Building shall include the modified and additional piping that shall be installed as a result of the Boiler Replacement Project. The Pipe Insulating Project and the Boiler Replacement Project shall be coordinated between Contractors so that all heat pipes are completely and properly insulated.
- Heat pipes above the acoustical ceiling of the superintendent of buildings office at the Superior Court Building shall not be included in the scope of work.

#### MAIN ENTRY DOORS REPLACEMENT PROJECT

- Key coding for the door lock shall be keyed to the existing keying system. The keying system contractual service provider is Keaton’s Lock and Alarm (207) 493-3981.
- In keeping with the historical value, aesthetics and appearance of the building, the Owner has a surplus of original wood products that shall be made available for use in this project.
- The ornate grate on the exterior of the transom window shall remain untouched.

#### WINDOW REPLACEMENT PROJECT

- The number of windows to be replaced at the Caribou location is ten (10).
- The existing windows at the Houlton location have a built-in non see through transom. The new windows shall also have a built-in non see through transom.(The window and transom shall be a prefabricated all-in-one unit.) During the window installation additional fiber glass insulation shall be installed into the cavity behind the transom to the face of the inner drywall. All areas of exterior window trim shall be properly sealed with an exterior sealant in an aesthetically pleasing manner. All materials and installation are to optimize energy efficiency of the unit.
- All windows shall have a sloped sill.

#### SPEED DRIVES AND MOTORS PROJECT

- The motors and speed-drives equipment shall be tied into the existing controls for heating and cooling.