

**CAPE RACE, NL SPECIFICATION INDEX
LANTERN ROOM FLOOR REPAIRS
PROJECT NO. F6879-151000**

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.1 The work covered under this project consists of the furnishing of all plant, labour, equipment, hardware and materials for Light Tower Lantern Room Floor Repairs at Cape Race, Newfoundland, complete in strict accordance with specifications and accompanying drawings and subject to all terms and conditions of Contract.

.2 The work will consist of, but will not necessarily be limited to”

.1 Sandblast all existing support jacks, deteriorated steel beam at top of stairs, supplementary steel at lantern floor level including steel support brackets, and supplementary steel at intermediate floor level.

.2 Supply and install steel upgrades to all support jacks, deteriorated steel beam at top of stairs, supplementary steel at lantern floor level, and supplementary steel at intermediate floor level.

.3 Re-paint existing steel and new upgrades as indicated.

.3 The work is to be carried out in the Light Tower at Cape Race, NL, located on the Southeast end of the Avalon Peninsula.

.4 Project Overview: The Cape Race lens was built in the early 1900's. It consists of a stationary lamp and rotating lens and base assembly mounted on a cast iron support on top of the lighthouse tower. The lens and base weigh 7 tons and float in an 1100-pound bath of liquid mercury. A leak was recently detected in mercury bath. During the investigation of the leak, it was noted that the steel members beneath the concrete floor were badly corroded. A mercury clean-up has been carried out but still presents a mercury contamination hazard. **The contractor is requested to take special note of the “Interim Personal Guidelines Associated with Mercury in CCG Lighthouses Containing or Previously Contained a Mercury Bath” provided in the specifications and must ensure that this issue is addressed in their site specific Health and Safety plan.**