



Fort Nelson Fire Rescue Service

PO Bag Service 399, 5404-48th Ave South, Fort Nelson, B.C., VOC 1R0
Phone (250) 774 3955

This is a request for proposals and not a call for tenders or request for binding offers. No contractual obligations will arise between the Northern Rockies Regional Municipality (NRRM) and any proponent until and unless the NRRM and a proponent enter into a formal, written contract for the proponent to undertake the project contemplated by this RFP.

Proposed Burn Building Specifications:

Vendors are requested to submit a quotation (complete with rough drawings) to supply all materials and labor in order to construct and erect a 'turn-key' modular burn building made out of Sea Containers at the Fire Department Training Ground at the NRRM landfill, as follows. A proposed project completion date will be required with the bid package. Any exceptions must be shown on the quotation:

- Supply two (2) forty foot (40') sea containers
- Supply, install and level all necessary screw piles by way of foundation to safely support the sea containers and any access stairs.
- Stack the sea containers on top of each other. The manufactured double doors must be on the same ends as each other.
- The double access doors on the forty foot (40') sea containers shall not be welded shut and will serve as a secondary point of entry on the ground floor.
- Holes shall be cut in the ground floor forty foot (40') sea container in the following manner and with the following modifications:
 - o Opening in roof to accommodate a stair case that leads into the top forty foot (40') sea container on the first floor.
 - o One steel entrance/exit door whose clear width of 1 100 mm which must open outward and which shall be on the side of the sea can opposite the internal stair case, but in such a fashion that sufficient clearance between the stair case and door when swung inward shall not be less than 1 100 mm. This door must latch shut, but be incredibly easy to open or close from both the inside and outside by firefighters who may be disoriented.
 - o Two windows, one at the end of the sea can opposite the double fitted shipping doors, and one on the side of the sea can opposite the internal stair case between the newly manufactured inward swinging door noted above and the end of the sea can opposite the double fitted shipping doors. Both window openings shall be covered by

manufactured external window coverings made of steel of at least a ¼ inch thickness. Such external window coverings shall be hinged to swing open and away from the building. Window coverings must be fitted with a magnetic latch. A metal window sill must be fitted to the bottom of the window opening.

- Openings shall be cut in the upper forty foot (40') sea container in the following manner and with the following modifications:
 - o Opening in floor to accommodate a stair case that leads into the forty foot (40') sea container on ground floor.
 - o One steel entrance/exit door whose clear width shall not be less than 1 100 mm which must open outward towards the closed railing, not across the external stairs and which shall be on the same side of the sea can a minimum of eight (8) feet from the top of the internal stair case. This door must latch shut, but be incredibly easy to open or close from both the inside and outside by firefighters who may be disoriented.
 - o Two window openings measuring 1 000 mm by 1 000 mm, on the opposite side of the container to the stairs. Both window openings shall be covered by manufactured external window coverings made of steel of at least a ¼ inch thickness. Such external window coverings shall be hinged to swing open and away from the building. Window coverings must be fitted with a magnetic latch. A metal window sill must be fitted to the bottom of the window opening.
 - o Protective safety rails shall be manufactured and installed around the opening of the stair case on at least two sides provided that the opening is protected by the wall on another side, however clear travel up the stairs is not to be obstructed by rails. These rails must be in conformance with the BC Building Code 2006 and must prevent a crawling or standing firefighter from falling down the stairs.
- An **external** staircase with a clear width of at least 1 100 mm wide shall be constructed from the ground floor to the first floor and shall feature a minimum of a four foot (4') by six foot (6') landing outside the first floor entrance/exit door. Integral protective safety and hand rails shall be manufactured and installed around the stair case and landing in conformance with the BC Building Code 2006 and must prevent a crawling or standing firefighter from falling down the stairs or off the landing.
- **External** steps with a clear width of at least 1 100 mm wide (if required after screw piles have been installed) shall be constructed from the ground to the newly manufactured entrance/exit door on the ground floor. Integral/securely attached protective safety and hand rails shall be manufactured and installed either side of the steps in conformance with the BC Building Code 2006 and must prevent a crawling or standing firefighter from falling off either side of the steps.
- An **internal** staircase with a clear width of at least 1 100 mm wide shall be constructed from the ground floor to the first floor and shall feature integral protective safety and hand rails which

shall be manufactured and installed in conformance with the BC Building Code 2006 and must prevent a crawling or standing firefighter from falling down or off the side of the stairs.

- All cut/welded edges and manufactured parts **must** be ground or smoothed in such a way as not to tear firefighter protective clothing or cause cuts, nicks or abrasions to bare skin.
- Sea containers **must** be fixed together either by welding or bolting the units together (as the vendor sees fit), and in accordance with safety, but whichever method is chosen, easy replacement of sea containers must be possible.
- Painting is **not** required.

All quotations and any drawings must be received at the Fire Station located at 4804-48th Avenue South by no later than Monday, August 23rd, 2010 at 14:00 PST. Please direct any questions or concerns to the undersigned.

Sincerely

Ian Gavet
Fire Chief

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