



**City of Peterborough Memorial  
Centre**

September 19, 2018

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**Header Trench, Header Wall and Rink Floor:**

The elevated rink slab on pier walls originally built in 1955. A new slab was installed on top of the original slab by Cimco around 1977 so the headers & poly pipes are about 40 years old. Due to the condition of the concrete, header trench front wall should be considered for replacement.

**Options 1:**

Replace the header trench wall which will require disconnection & reconnection of all the existing 40 year old rink poly pipe and clamps

**Risk:**

This option is doable, however there is the risk of splitting some of the existing 40 year old poly pipe when you try to introduce and connect new pipe to old pipe. You may also run into an issue where you keep slipping the old pipe to the point where you lose a re-connection point and must then remove more concrete to expose more poly pipe to connect to.

**Option 2:**

Consider the age of the building and new equipment recently installed. If the building will remain in use for the next 5-10 years consideration should be given to replace the entire floor, headers and header trench front wall. While replacing the floor you then have the option to bury your new headers in the concrete. This approach allows your headers to last as long as your new slab.

**Conclusion and recommendation**

The arena slab itself is almost 40 years old and at the end of its life expectancy and should be replaced. Chances are your existing poly piping in the slab is quite brittle and will start to fail inside the concrete leaving the city with the potential exposure to leaking secondary cooling solution into the soil and causing environmental damage and leaks to fix. If the leaks become large enough you run the risk of losing your ice to make repairs, which could affect potential revenue for the City.



DATE PRINTED

1 9 MAY 1977

CIMCO LTD.

1	5.19.77	REMOVE REF. TO 20FT CORNERS	DM
NO.	DATE	REVISION	BY

CIMCO LIMITED

HALIFAX MONTREAL OTTAWA TORONTO LONDON WINNIPEG SASKATOON CALGARY EDMONTON VANCOUVER

NEW RINK FLOOR & BRINE HEADERS

PETERBOROUGH MEMORIAL ARENA

LANSDOWNE AVE., PETERBOROUGH, ONTARIO

Scale-AS NOTED

Date-MAY-13-77

Drn.-DM

01616-D1

REV-1

DRAWING NO.

SECTIONS AT SIDE & END BOARDS  
SCALE: 1" = 1'-0"

