



REQUEST FOR QUOTATION INSTALLATION OF CARBON MONOXIDE SYSTEM

The Town of Placentia is seeking bids for the installation of CO Detector System at Unity PARC.

Interested bidders can supply their quotation to Gord Pike, Manager of Recreation and Community Programming by email gpike@placentia.ca. Deadline for submission is 12 pm Friday, March 26, 2021.

Quotation must include binding period for quote and warranty information. All contractors must have proof of 2.M general liability insurance and WCB clearance.

INSTALLATION GUIDELINES

Installation guidelines for the Honeywell gas detection systems. System will be supplied by the Town of Placentia.

- System consists of:
 - 1- Power Supply – 120V to 24VDC
 - 2- Honeywell 301C Controller
 - 3- 5- Honeywell E3Point CO Detectors
 - 4- 4 Wire Horn/Strobe
- Power supply mounted with 120V input. Prefer separate breaker. Output 24V DC. Run the 24V DC to 301C controller with electrical contractor supplied 2C 16-18AWG cable.
- The controller should be mounted in the operator's office.
- Power and communications out from the controller is via electrical contractor supplied 2C 16-18 AWG wire for power and 2C 18-20 AWG shielded and stranded for communications. All sensors can be wired in daisy chain method. If need, 2 separate runs can be made (one run left side arena - one side right side, etc)
- The horn and strobe will be mounted in a position where it can be seen throughout most of the arena, at one end of the arena above the glass/net area. Electrical contractor supplied 2 pair of 2C 16-18 AWG cable ran to horn/strobe combo.
- The main area will have 4 sensors and the 5th will be in the zamboni room.
- Sensors are mounted 4-6ft above floor. Sensors have 50ft radius of detection. Therefore, a sensor should be mounted 50 feet from front and rear walls. Locations usually end up mounted roughly in the general area of each blue line on each side of the arena when following this rule. This is based on a typical 100x200ft area.
- All electrical cable is to be run in conduit to sensors in exposed areas and then running free air under bleachers.
- Exhaust fans in the main arena should be wired to the main controller.

Note: All labour, conduit, wiring and associated components is to be supplied by the contractor and included in the contractor's price of installation.

Note: Refer to drawings supplied for further instruction.



