

WATERS MECHANICAL, INC.

State Licensed Mechanical Contractor CMC 029303

Freeze Questionnaire

10655 S.W. 184th Terr.

Miami, FL 33157

Phone (305) 233-8728

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**** PLEASE FIELD VERIFY & RETURN COMPLETED FORM A.S.A.P.**

Your Company Name: _____

Complete Billing Address: _____

Contact Name: _____ Office Phone: _____ Cell: _____

Fax #: _____ Email address: _____

How should we send a Proposal? Fax # or Email _____

Will a Subcontract Agreement be required? _____ If Yes, please send ASAP for our review.

Job Name: _____

Complete Job Address: _____

Purpose of Freeze _____

System type (e.g. Chilled Water, Fire Sprinkler, Fuel Oil, Domestic Water, Glycol) _____

of Lines to be frozen _____ Pipe Size(s) _____ Pipe Type (steel, copper, ductile) _____

How long will the freeze need to be maintained? (estimated # of hours) _____

When is job to be done? (day / night / weekend & approx. Start time) _____

Job Site conditions (construction, mech. room, finished or occupied area) _____

Elevation of pipes? _____ # of Vertical _____ # of Horizontal? _____

Feet of straight pipe where freeze jackets are to be placed? _____

How close will jacket be to any branch connections? _____

How close will cutting & welding be to freeze jacket? _____

How close together will the freeze jackets be in relation to one another? _____

Nearest open air space for ventilation? _____ feet. Gaseous Nitrogen piped to well ventilated area.

What floor is work on? _____ Is there an elevator to floor level of work for Dewars? _____

Dewars should be placed close to freeze jacket . How close can Dewar be in relation to freeze location? _____

How close can work trucks (clearance req. 9'-0") get to work space? _____ feet.

All flow must be stopped in order to obtain a freeze plug! Valve(s) can be closed down stream to make flow static - **Or** - pumps must be shut down. Once ice plug is obtained system operation can resume.

Jackets must be at least 10 pipe diameters away from nearest tee or branch connection in order to keep system on line. Closer than 10 pipe diameters **may** require shutting down pumps to obtain freeze and **may** need to remain off for completion of work.

Their **must be a gauge port or vent** in the section of pipe which is to be isolated; If not, WMI will have to field tap / install on site. Contractor to weld in 1/2" T-O-L or a temporary clamp on tap will be used.

The Liquid Nitrogen Dewar(s) will be sent to the jobsite the day prior to the scheduled freeze. The **Contractor or Owner** is responsible for receiving the Dewar(s) and placing them near (20' or less) the actual freeze jacket location. Note the Dewar(s) weigh approx. 600 lbs. WMI will provide a cart for your use when we arrive.

If you have any questions please call (305) 233-8728.