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To whom it may concern:

This note and the supporting drawings should address questions regarding backflow prevention in MistAway's Gen III tankless misting unit.

The MistAway Gen III unit connects to the water supply via a supplied hose bib adapter. The unit mixes a small batch of chemical and water in an internal batch tank. However, no RPZ is required as the Gen III features an internal air gap to provide necessary backflow protection. Details can be found in the attached drawings.

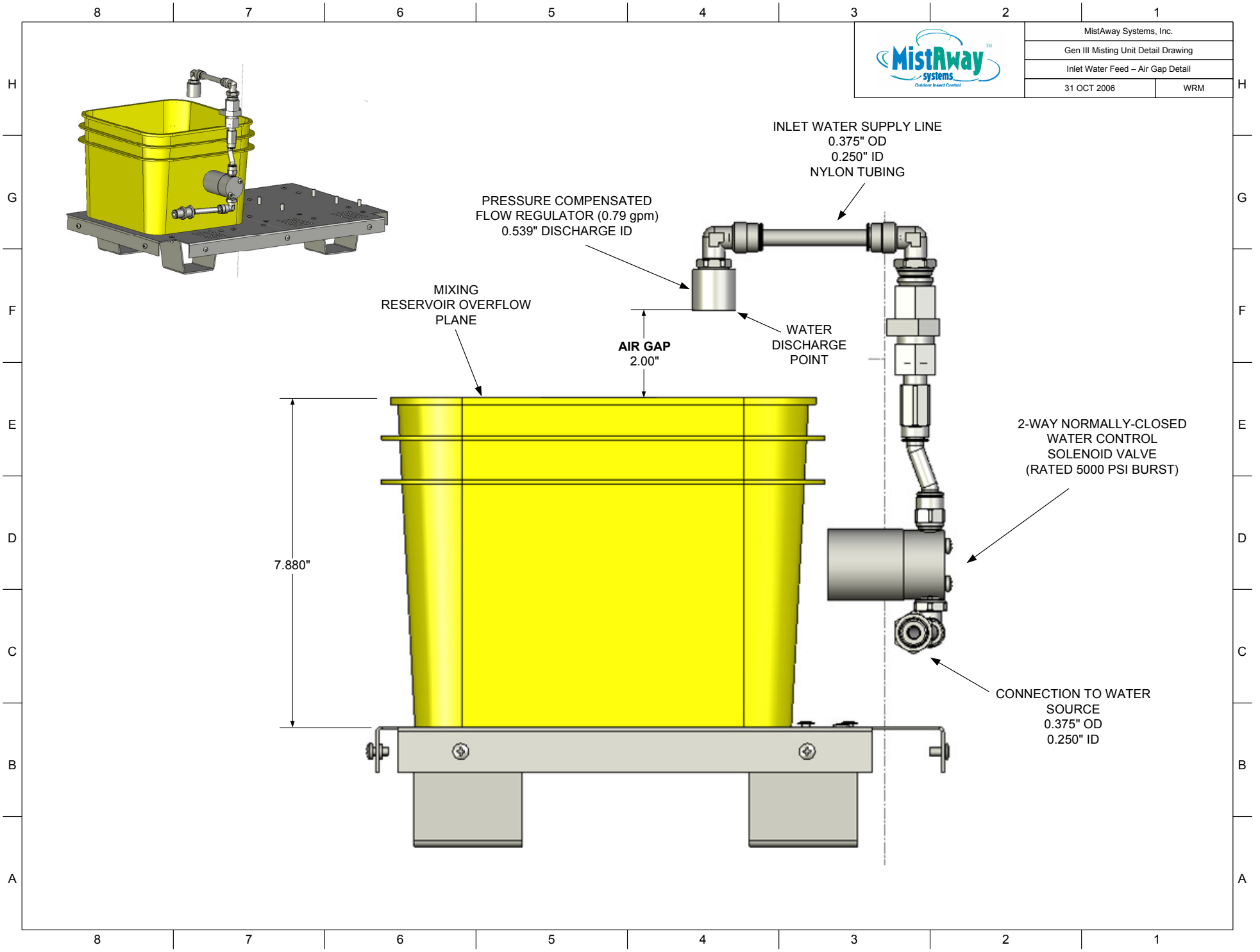
The Gen III unit has an effective opening diameter of 1/4" to the potable water supply line (this is the internal diameter of the tube supplying the water, as well as the total effective open area on the aerator through which the water discharges into the batch tank).

The National Standard Plumbing Code, section 10.5.2 states that minimum air gap for a spout with an effective diameter of 1/2" or less is a gap of 1" if not affected by a "near wall", or 1.5" inches if affected by a "near wall".

While technically our system is not affected by a "near wall", our system has an air gap of 2", even though the effective spout diameter is 1/4", as detailed in the attached drawing. Internal overflow protection is also provided by drain holes in the chassis floor (and the unit walls are not water-tight). Thus, the Gen III unit exceeds by a significant margin the generally accepted air gap requirements for such a device.



MistAway Systems, Inc.	
Gen III Misting Unit Detail Drawing	
Inlet Water Feed – Air Gap Detail	
31 OCT 2006	WRM



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MistAway Systems, Inc.

Gen III Misting Unit Detail Drawing

Chassis Detail – Drain Holes

31 OCT 2006

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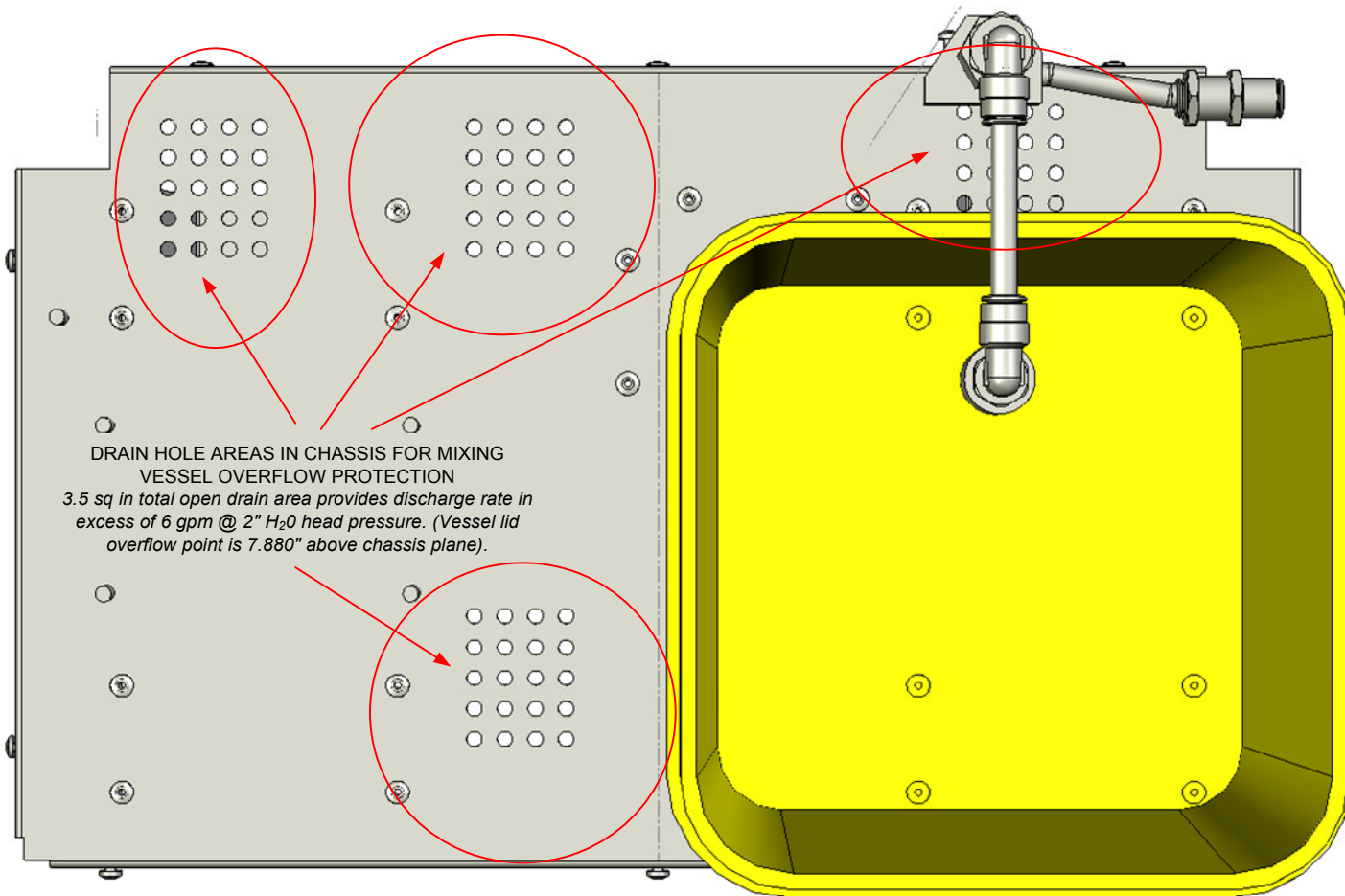
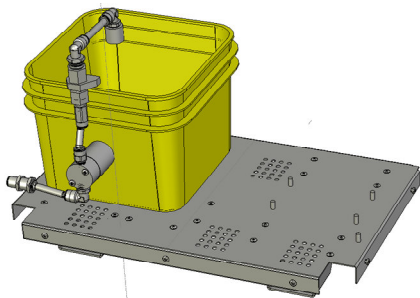
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DRAIN HOLE AREAS IN CHASSIS FOR MIXING VESSEL OVERFLOW PROTECTION
3.5 sq in total open drain area provides discharge rate in excess of 6 gpm @ 2" H₂O head pressure. (Vessel lid overflow point is 7.880" above chassis plane).

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