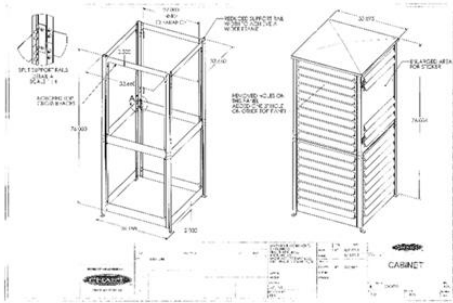# CARBON DIOXIDE (CO₂) OUTDOOR STORAGE

For Exterior Carbon Dioxide Systems of One or More Containers of 100 to 1,000 Pounds

Based on the 2018 Edition of the International Fire Code

➢ Shall be above grade.

➢ Shall not be obstructed by more than three sides of the perimeter with supports and walls.

➢ Shall not be installed within 10 feet of elevators, unprotected platform ledges or other areas where falling would result; shall not be installed on roofs, shall not be installed with 36 in of electrical panels.

➢ Shall be safely supported; vessel foundation must be capable of supporting the full system weight.

➢ Supply line shall be UV resistant or protected conduit or appropriate covering.

➢ Areas used for the storage, use and handling of compressed gas containers, cylinders, tanks and systems shall be secured against unauthorized entry and safeguarded in an approved manner. (i.e. fence, expanded metal cage or cabinet).

➢ Shall be equipped with isolation valves installed on the fill line and tank discharge or gas supply line. They shall be designed/marked to indicate open or closed, shall be accessible, clearly marked or identified, and capable of being locked or tagged in closed position for servicing.

➢ When extreme temperatures prevail, overhead covers shall be provided. Compressed gas containers, cylinders and tanks, whether full or partially full, shall not be exposed to artificially created high temperatures exceeding 125°F or sub-ambient (low) temperatures unless designed for use under the exposed conditions.

➢ Guard posts or other approved means shall be provided to protect compressed gas containers, cylinders, tanks and systems indoors and out-doors from vehicular damage and shall comply with IFC 2018 Section 312.

➢ Labeling - An NFPA 704 compliant Hazard Placard is required. This requirement is subject to verification at the time of the Hazardous materials inspection prior to signing the Fire Final. Additional hazard warning signage specific to the material is required.