SAFETY EQUIPMENT

Gas Cabinets

7000-Series Compressed gas cabinets

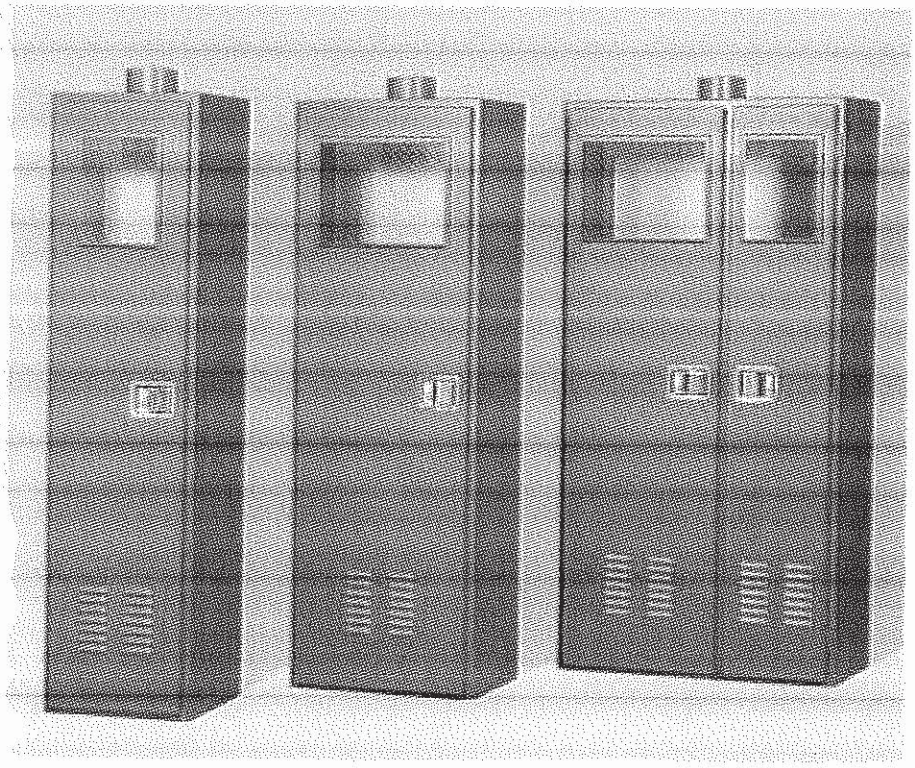
The Safety Equipment 7000-Series Compressed Gas Cabinets hold from one to four gas cylinders. They are constructed with high quality materials for long life and ease of use. Our compressed cabinets meet or exceed all existing code requirements worldwide. Custom features and cabinet configurations are available upon request. Safety Equipment has been supplying industries with compressed gas cabinets since 1979.

- **Low cost**
- **In stock**
- **Custom cabinets a specialty.**
- **Extra heavy duty steel construction 11 gauge steel (0.119 inches), thicker than code requirement.**
- **One piece body construction for safety.**
- **All welded construction including hinges.**
- **Cabinet is ground smooth for clean room capability.**
- **Louver panel acts as pressure relief vent.**
- **Protective enclosure prevents accidentally hitting regulators, valves, and purge assemblies.**
- **Allows for toxic gas monitoring**
- **Access window**
- **Our gas cabinets meet standard S2-93 safety guidelines for semiconductor manufacturing equipment**
- **Meets international fire code**

Construction
All cabinets are constructed using 11-gauge (.119-inches) thick steel. Sub-flooring is provided to eliminate rusting of the cabinets bottom. Adjustable cylinder brackets allow for precise fitting to pigtail. The cabinet door and clear fire-rated window will close and latch automatically. Welding is used whenever possible in order to achieve maximum strength and to aid in easy removal of components for repair and/or replacement. All fasteners used to mount components such as windows, door handles, purge assembly mounting panels and cylinder brackets are of stainless steel. Inside cabinet finish is smooth to maintain a clean environment and outside surface is slightly textured to maintain appearance.

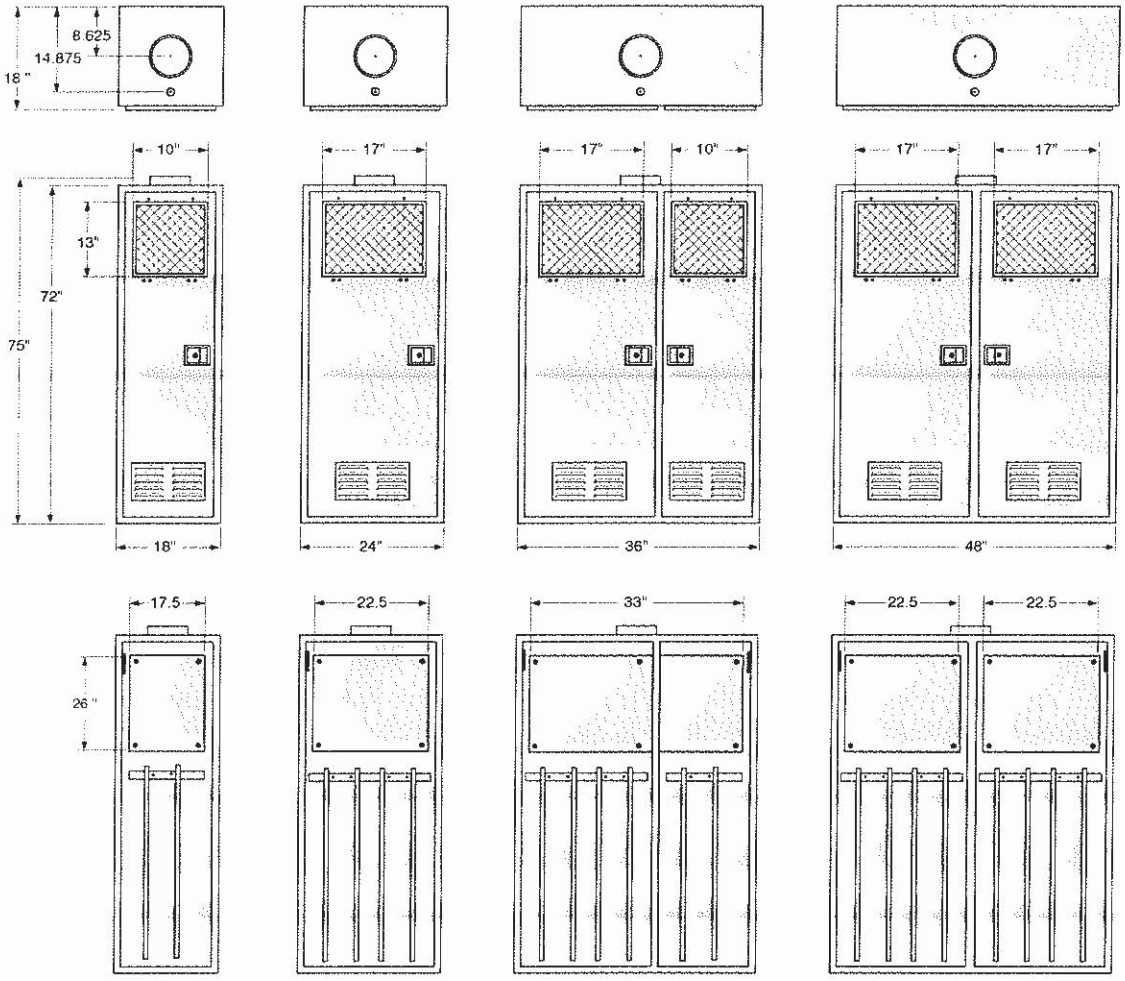
Exhausting
The exhaust vent is located on top of cabinet. Louvers allow air to enter cabinet for exhausting. They are located on the lower part of the door, which provides maximum coverage of airflow through cabinet. Back panel, which mounts valves, regulators, and purge assemblies is mounted to facilitate air flow behind panel for complete internal cabinet exhausting. Where cylinder shelves are employed, shelves are perforated in order to allow maximum air flow through cabinet.

Safety and Monitoring
Cylinders, valves and purge assemblies are isolated from accidental contact, vandals, and other assemblies, thus avoiding leaks. Cylinder brackets will hold cylinders in the event of a fire or earthquake. A filter can be mounted on the inside of the cabinet door behind the louvers, allowing for process protection by minimizing contamination from ambient air impurities.
Windows permit visual inspection and/or access into cabinet for adjustments while minimizing operators exposure to potential toxic leaks. Water sprinkler heads on ceiling of cabinet activate between 160°F and 165°F and are coated for protection from corrosive environments.



Gas Cabinet Models
(all dimensions in inches)

7100	7200	7300	7400
1-cylinder	2-cylinder	3-cylinder	4-cylinder



Features:

- All welded construction using 11-gauge steel, epoxy painted. Texture finish on outside, smooth finish on inside of cabinet.
- Exhaust vent located on top of cabinet is 6" diameter x 3" high.
- 165°F sprinkler head on top of cabinet is coated with bees wax.
- Removable white back panel mounts to inside rear cabinet.
- Cylinder bracket accomodates 7" to 10" diameter cylinders. The brackets are adjustable for precise pig-tail alignment.
- Door and window will close and latch automatically.
- Window is 1/4" thick clear wire glass.
- Louvers at bottom of door.
- Flush mounted stainless steel paddle latch.
- All stainless steel fasteners.

Options:

- Adjustable shelves
- Dome roof configurations
- Keyed door latch
- Air intake filter
- Custom colors
- Rubber floor mat

SAFETY EQUIPMENT

Safety Equipment Corporation
1141 Old County Road
Belmont, CA 94002

(650) 595-5422
Fax (650) 595-0143

Email:Info@SafetyEquipmentCorp.com **Web: SafetyEquipmentCorp.com**

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CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

DEVIN D GATES
SUBMITTED BY

123553-001 REV 2
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

123553
SPECIFICATION SECTION / PARAGRAPH

MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

CRITICAL

ITEM BEING SUBMITTED (check only one)

- ○ Shop Drawings
- ○ Samples (_____ copies)
- ○ LEED Submittal
- ○ Certification / Qualifications
- ○ Record Documents
- ○ Product Data
- ○ Coordination Drawing
- ○ Calculations
- ○ Schedules
- ○ O&M Manuals
- ○ Other _____

ITEM BEING SUBMITTED FOR (check only one)

- ◉ Action
- ○ Information Only
- ○ Record

REMARKS OR DEVIATIONS

Samples currently being produced, engineering judgement to confirm seismic requirements being calculated.

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

DEVIN D GATES — 1/31/17
REVIEWED BY — DATE

To be completed by Reviewer

12 3553-001 REV003
CANNON DESIGN SUBMITTAL NUMBER

2/1/17
RECEIVED DATE

- ○ A. No Exceptions Taken
  No further review of submittal is required.
- ◉ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ○ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ○ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ○ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ○ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ○ See attached sheet(s) for additional comments

RE-SUBMIT AS SEPARATE SUBMITTAL ONLY THE NON-APPROVED ITEMS.

SEE MARKUPS AND GENERAL COMMENTS ON NEXT PAGE.

APPROVAL OF MOBILE LABORATORY CASEWORK SYSTEM CONTINGENT ON APPROVED MANUFACTURER PER SPECIFICATIONS. PROVIDE SEPARATE SUBMITTAL CONFIRMING MANUFACTURER.

Kelvin Patel — Digitally signed by Kelvin Patel DN: C=US, E=kpatel@cannondesign.com, O=Cannon Design, OU=Architect, CN=Kelvin Patel Date: 2017.02.14 21:02:29-06'00' — 2/14/17
REVIEWED BY — DATE

GENERAL COMMENTS:

-ALL LAB CASEWORK TO MEET PERFORMANCE REQUIREMENT INFORMATION PER SPECIFICATION (SPEC.) 123553,1.3,A.

-TABLES TO MEET UL REQUIREMENT PER SPECIFICATION 123553,1.3,D.

-EW, DH & PRE-RINSE FIXTURE APPROVAL ON HOLD.

-ALL CABINETS (WOOD, METAL, FLAMMABLE, ACID) TO BE FLUSH OVERLAY.

-PRODUCT DATA FOR MOBILE LAB CASEWORK SYSTEM WHICH WAS PRESENT IN PREVIOUS SUBMITTAL WAS DELETED IN THIS RE-SUBMITTAL. THE MOBILE LABORATORY CASEWORK SYSTEM IS APPROVED PROVIDED IT IS ONE OF THE APPROVED MANUFACTURER PER SPECIFICATIONS, JAMESTOWN METAL PRODUCTS PER PREVIOUS SUBMITTAL. PROVIDE WRITTEN CONFIRMATION TO DOCUMENT THE MANUFACTURER & PRODUCT MEETS SPECIFICATIONS.

-PROVIDE WHITE COLOR CYLINDER RACKS.

-ALL PRE-WIRED TABLES CONNECTING TO FLOOR BOXES TO HAVE STANDARD ELECTRICAL PLUG.

-COORDINATE ALL ELECTRICAL OUTLETS WITH ELECTRICAL DRAWING & SPECIFICATIONS. TECHNICAL SPECIFICATIONS PER ELECTRICAL DRAWINGS.

PROVIDE SEPARATE SUBMITTAL FOR FOLLOWING:
-PROVIDE LOAD CAPACITY OF TABLES.

-PROVIDE SEPARATE SUBMITTAL OF TEST REPORTS FOR COUNTERTOP PER SPEC. 123553,1.5,C.

-HEAVY DUTY SLIDE PRODUCT DATA FOR GRADE 1HD-100 & 1HD-200 PER SPEC. 123553,2.12,E.

-PROVIDE PRODUCT DATA FOR V-5 AND A-5 (QUICK DISCONNECTS).

-PROVIDE PRODUCT DATA FOR E-5, E-6, D-5, D-6

-PROVIDE PRODUCT DATA FOR PAPER TOWEL DISPENSER.

-PROVIDE PRODUCT DATA FOR OVERHEAD SERVICE CARRIER & MOBILE LABORATORY CASEWORK SYSTEM (IDENTIFY MANUFACTURER).

-PROVIDE PRODUCT DATA FOR EPOXY COUNTERTOPS.

-PROVIDE SAMPLE & INFORMATION RELATED TO SIGNAGE FOR ACID (CORROSIVES) & FLAMMABLE CABINETS - CONSISTENT CLEAN GRAPHICS LETTERING.

-PROVIDE WHITE COLOR CYLINDER RACKS.

-ALL PRE-WIRED TABLES CONNECTING TO FLOOR BOXES TO HAVE STANDARD ELECTRICAL PLUG.

INSTITUTIONAL CASEWORK, INC.
1865 Highway 641 North
Paris, Tennessee 38242-8814
(731) 642-4251

DATE: 1/25/2017
JOB: 04437A, B, C, D

RE: Webster University
Webster Groves, MO

TO: Carroll Seating

ATTENTION: Eddie Scheer/Amanda Kohlbrecher

We are forwarding the following via FTP SITE:

- [●] For Approval
- [ ] For Your Use
- [ ] For Review and Comment
- [ ] Returned for Corrections
- [ ] As Requested
- [●] Return 1 Prints and Sets

COPIES	DATE	NO.	DESCRIPTION
1	1/25/17	04437AR1-E2 and 04337BR1-E4	Rough-In & Elevation Shop Drawings
1	1/25/17	04437DETAILS1 & 04437DETAILS2	Cabinet Sections
1	1/25/17	04437OHSC	OHSC detail/quantities Sheet
1	1/25/17	Set	Project Data Document

REMARKS:

We cannot schedule this project until we receive one copy indicating:

- ☐ Approval
- ☐ Casework finish
- ☐ Field dimensions

If you have any questions, please feel free to call.

CC:

BY: Mitzi A. Hutter

If enclosures are not as noted, kindly notify us at once.