SECTION 13030

SPECIAL PURPOSE ROOMS

PART 1 - GENERAL

1.1 SUMMARY

A. This section provides standards for special purpose rooms.

1.2 REFERENCES

1.3 SYSTEM PERFORMANCE REQUIREMENTS

A. Hyperbaric and Hypobaric Chambers:
   1. Shall conform to NFPA 99.

B. Dark Rooms - Photographic:
   1. Shall conform to OSHA 29CFR1910.94 and .100

C. Spray Painting Rooms - Booths:

D. Animal Quarters:
   1. Shall conform to USDA animal care.
   2. Shall be reviewed by Director of Lab Animal Resources through the UC Denver Project Manager.
   3. Shall conform to the Guide for the Care and Use of Laboratory Animals. Published by the Institute of Laboratory Animals Resources (ILLAR) of the National Research Council

E. Biohazard Locations and Containment Facilities:
   1. Shall conform to the UC Denver BL3 construction standard (campus standard), that can be obtained through the UC Denver Project Manager, and CDC/NIH Biosafety Guidelines in microbiological and biomedical laboratories guidelines.

F. Food Preparation and Serving Areas:

G. Chemical Storage Rooms:
   2. Rooms shall be suitable to type of materials stored (NFPA-45[1991]) in regards to specific temperature, absence of light, humidity or avoidance of any moisture, explosive conditions, ventilation, blast walls, etc.
H.  Semiconductor Fabrication Facilities:
   1. Shall conform to UFC Article 51.

I.  Pesticide Storage:
   1. Shall conform to UFC Articles 47, 80 and 86 and NFPA-43D.
   2. Shall conform to Colorado Department of Health "Standards and Regulations for Any Gathering Places".

J.  Chemical Laboratories:
   1. Shall conform to NFPA-45 (and 99 if medical/veterinary medicine activities are involved), OSHA 29CFR1910.1450, applicable OSHA standards if an OSHA regulated substance is involved.

K.  Welding Shops:

L.  Compressed Gas Cylinder Storage:

M.  Battery Rooms:
   1. Shall conform to OSHA 29CFR1910.178(g), 29CFR1926.441 and NEC.

N.  Child Care and Pre-school:

1.4 DEFINITIONS
1.5 SUBMITTALS
1.6 QUALITY ASSURANCE
   A. Quality Assurance shall be provided in accordance with Division 1.

1.7 DELIVERY, STORAGE, AND HANDLING
   A. Delivery, storage, and handling shall be provided in accordance with Division 1.

1.8 WARRANTY
   A. Product and system warranties shall be provided in accordance with Division 1.

PART 2 - PRODUCTS
2.1 MANUFACTURERS
2.2 MATERIALS, GENERAL

PART 3 - EXECUTION

3.1 EXAMINATION

3.2 INSTALLATION, GENERAL

3.3 TESTING, CLEANING, AND CERTIFICATION

3.4 COMMISSIONING (DEMONSTRATION)

3.5 SCHEDULES

END OF SECTION
SECTION 13150
AQUATIC FACILITIES

PART 1 - GENERAL

1.1 SUMMARY

A. This section provides standards for aquatic facilities.

1.2 REFERENCES

1.3 SYSTEM PERFORMANCE REQUIREMENTS

A. Swimming Pools:

1. Shall conform to Colorado Department of Health Swimming Pool Regulations and Standards.

2. Shall conform to recommendations of the Joint Committee on Bathing Places, Conferences of State Sanitary Engineers and the Engineering Section of the American Public Health Association.


4. Plans for installations, renovations or remodeling shall be approved by the UC Denver EHS and the State Health Department through the UC Denver Project Manager.

1.4 DEFINITIONS

1.5 SUBMITTALS

1.6 QUALITY ASSURANCE

A. Quality Assurance shall be provided in accordance with Division 1.

B. Contractor or subcontractor must have a minimum of 3 similar aquatic facilities.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Delivery, storage, and handling shall be provided in accordance with Division 1.

1.8 WARRANTY

A. Product and system warranties shall be provided in accordance with Division 1.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

2.2 MATERIALS, GENERAL

PART 3 - EXECUTION

3.1 EXAMINATION
3.2 INSTALLATION, GENERAL
3.3 TESTING, CLEANING, AND CERTIFICATION
3.4 COMMISSIONING (DEMONSTRATION)
3.5 SCHEDULES

END OF SECTION
SECTION 13200
LIQUID AND GAS STORAGE TANKS

PART 1 - GENERAL

1.1 SUMMARY

A. This section provides standards for liquid and gas storage tanks. (Architect / Engineer should coordinate system and tank placement with vendor and with likely vendors to make sure system meets all codes and vendor requirements.) UC Denver contracts with companies to provide central liquid and/or gas tanks based on actual and projected needs.

1.2 REFERENCES

1.3 SYSTEM PERFORMANCE REQUIREMENTS

A. Underground Tanks and Sumps:

1. Underground storage tanks are not permitted without approval of the UC Denver Fac. Ops., CBO, EHS and through the UC Denver Project Manager.


3. Tanks shall be installed by contractors licensed by the State Oil Inspector.

4. Advance permits from State Oil Inspector are required prior to installation, repair, upgrade, removal or abandonment.

5. Notification forms (EPA) shall be sent to State Health Department and State Oil Inspector upon completion of installation of new tanks.

B. Gas/Cryogenic Tanks:


C. Fuel Tanks (Above Ground):


D. Compressed Gas Tanks (Unfired Pressure Vessels and Includes Air Receivers):


1.4 DEFINITIONS

1.5 SUBMITTALS

1.6 QUALITY ASSURANCE
A. Quality Assurance shall be provided in accordance with Division 1.

1.7 DELIVERY, STORAGE, AND HANDLING
A. Delivery, storage, and handling shall be provided in accordance with Division 1.

1.8 WARRANTY
A. Product and system warranties shall be provided in accordance with Division 1.

PART 2 - PRODUCTS

2.1 MANUFACTURERS
2.2 MATERIALS, GENERAL

PART 3 - EXECUTION

3.1 EXAMINATION
3.2 INSTALLATION, GENERAL
3.3 TESTING, CLEANING, AND CERTIFICATION
3.4 COMMISSIONING (DEMONSTRATION)
3.5 SCHEDULES

END OF SECTION