

SECTION 11 53 00

LABORATORY EQUIPMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Lab Equipment:
 - 1. Fume Hoods
 - 2. Ice Maker
 - 3. Lab Glassware Washers
 - 4. Chemical Storage Cabinet

1.02 QUALITY ASSURANCE

- A. All powered equipment shall be UL rated.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Fume Hoods
 - 1. Vertical sash design.
 - 2. Pre-wired and plumbed for gas, hot/cold water, compressed air, electrical outlets and vapor sealed light fixture and switch.
 - 3. Back-flow prevention device shall be installed on the outside of the cabinet.
 - 4. Integral ventilated base cabinet.
 - 5. All power outlets and switches shall be located on the exterior face of the hood (not internal).
 - 6. Internal hood lights shall be fitted with vapor seal lenses.
 - 7. Minface velocity of roof parameter. Maximum 120.
- B. Ice Maker
- C. Lab Glassware Washers
- D. Chemical Storage Cabinets:
 - 1. 30 gallon minimum size flammable cabinet.
 - 2. 15 gallong mimimum acid cabinet.
 - 3. 4 gallon flammable cainet to be provided where ammonia netrate is used (high schools).
 - 4. All steel construction with integral reservoir base.
 - a) Chemical resistant, baked-on enamel coating
 - b) Interior polypropylene lining
 - 5. Locking doors
 - 6. Chemical spill reservoir
 - 7. Acid resistant shelving
 - 8. Self-closing doors
 - 9. OSHA and NFPA-30 approved
 - 10. Separate poly cube to be provided for nitric acid storage.

PART 3 EXECUTION No Requirements

END OF SECTION 11 53 00