

SECTION 11 57 00

VOCATIONAL SHOP EQUIPMENT

PART 1 GENERAL

1.01 SUBMITTALS

- A. Shop drawings and product data.
- B. Operation and Maintenance manuals.
- C. Provide record drawings of unit and venting system (both electronic and hard copy formats).
- D. Special permits for flammable/combustible use by Denver Fire Department.

PART 2 PRODUCTS

2.01 FABRICATION

- A. All booths shall comply with all regulatory agencies having jurisdiction, including but not limited to: NEC, OSHA, NFPA, IBC and Denver Code requirements and be UL listed.
- B. All booths to have a steel or concrete non-combustible floor.
- C. All booths shall have the following interlocks:
 - 1. Prevents spraying while drying.
 - 2. Ventilation system safe atmosphere and auto shut off drying when ventilation fails.
 - 3. Auto shut off drying if air temperature exceeds 160 degrees.
- D. All booth surfaces shall be smooth, continuous to facilitate cleaning and air movement.

2.02 MATERIALS

- A. Self supporting 18 gauge galvanized steel panels.
- B. Exhaust fans are of non-sparking construction. The motor drive and bearings are to be sealed from the air stream of the exhaust.
- C. Filters: Capture efficiency 99.6% down to 3 microns (all UL Listed) using standard sizes.
- D. Built-in overhead fluorescent lighting behind sealed clear tempered (explosion proof) safety glass (all UL listed).
- E. Switch shall be covered and all wiring installed so as to be explosion proof.
- F. Provide permanent signage that lists approved uses by the manufacturer, including no smoking sign.
- G. Provide 100 LFPM face velocity minimum.
- H. Line booths with fire resistant paper adhered with masking tape.

PART 3 EXECUTION

3.01 SPARE PARTS

- A. Provide the following:
 - 1. Replacement filters (one set)
 - 2. One roll of fire resistant paper (Flame-A-Guard) as available from NAPA Auto Parts or other vendors.

END OF SECTION 11 57 00