

**STATEMENT OF WORK FOR THE  
PURCHASE OF ONE  
STAINLESS STEEL  
CHEMICAL BENCH**

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**CODE 553.0**

**3/9/2012**

## **LIST OF ACRONYMS**

### **ACRONYM**

### **DEFINITION**

COTR

Contracting Office Technical Representative

NASA/GSFC

National Aeronautic and Space Administration/  
Goddard Space Flight Center

NEC

National Electrical Code

SEMI

Semiconductor International

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## 1. SCOPE

- 1.1 This statement of work is for the purchase of one chemical bench fabricated using stainless steel 304, and containing the following characteristics:
- ❖ The overall dimensions shall be 80”L x 36”W x 65”H.
  - ❖ Material of construction 304 SS with No 4 brushed finish
  - ❖ Counterbalanced “inclined” sliding sash front
  - ❖ Under counter vented storage area behind sliding doors.
  - ❖ Lower storage area partitioned with one sectionalized area provided with shelf
  - ❖ Reinforced work deck area to receive lapper with weight of min. 200Lbs.
  - ❖ Recessed deck area on the right side to receive LOGITEC lapper measuring 36”W x 42L x 7”H.
  - ❖ (2) GFIC duplex receptacles mounted on the lower outer face mullion
  - ❖ Level pads and rolling casters to allow for ease of installation
  - ❖ Hinged door 24” X 24” located on the left hand side of the work area allowing for access to the lapper
  - ❖ Utility sink with gooseneck
  - ❖ (1) DI water spray gun
  - ❖ (1) deck mounted N2 turret with hose barb
  - ❖ (1) deck mounted vacuum turret with hose barb
  - ❖ (1) N2 spray gun
  - ❖ Deck penetration with surrounding drip stop allowing for drain connection from lapper table drain to owner supplied carboy to be located in storage area
  - ❖ Dual fluorescent lamp fixture lighting the interior of hood.
  - ❖ Exhaust monitor and alarm
  - ❖ Water, gas and vacuum connections shall be push-to-fit bulkheads ¼”
  - ❖ 8” diameter exhaust connection. Required exhaust of 1050 CFM
  - ❖ 115V-1p-20amp power connection
  - ❖ The contractor shall follow the appropriate NEC codes for the fabrication of the hood.
  - ❖ Please refer to sketch attached for visual concept of the chemical hood.

## 2. DELIVERABLES

- 2.1 The contractor shall submit documentation of the proposed components to be used and appropriate drawings of the hood to the COTR for approval prior to the award of the contract.
- 2.2 The contractor shall present references of familiarity with the fabrication of this type of equipment for the semiconductor industry.
- 2.3 The Government reserves the right to perform a source inspection of the finished hood prior to shipment.
- 2.4 The contractor shall ship the finished and approved hood to NASA-GSFC in Greenbelt MD, Zip 20771.

# Lapping Work Station Chemical Hood

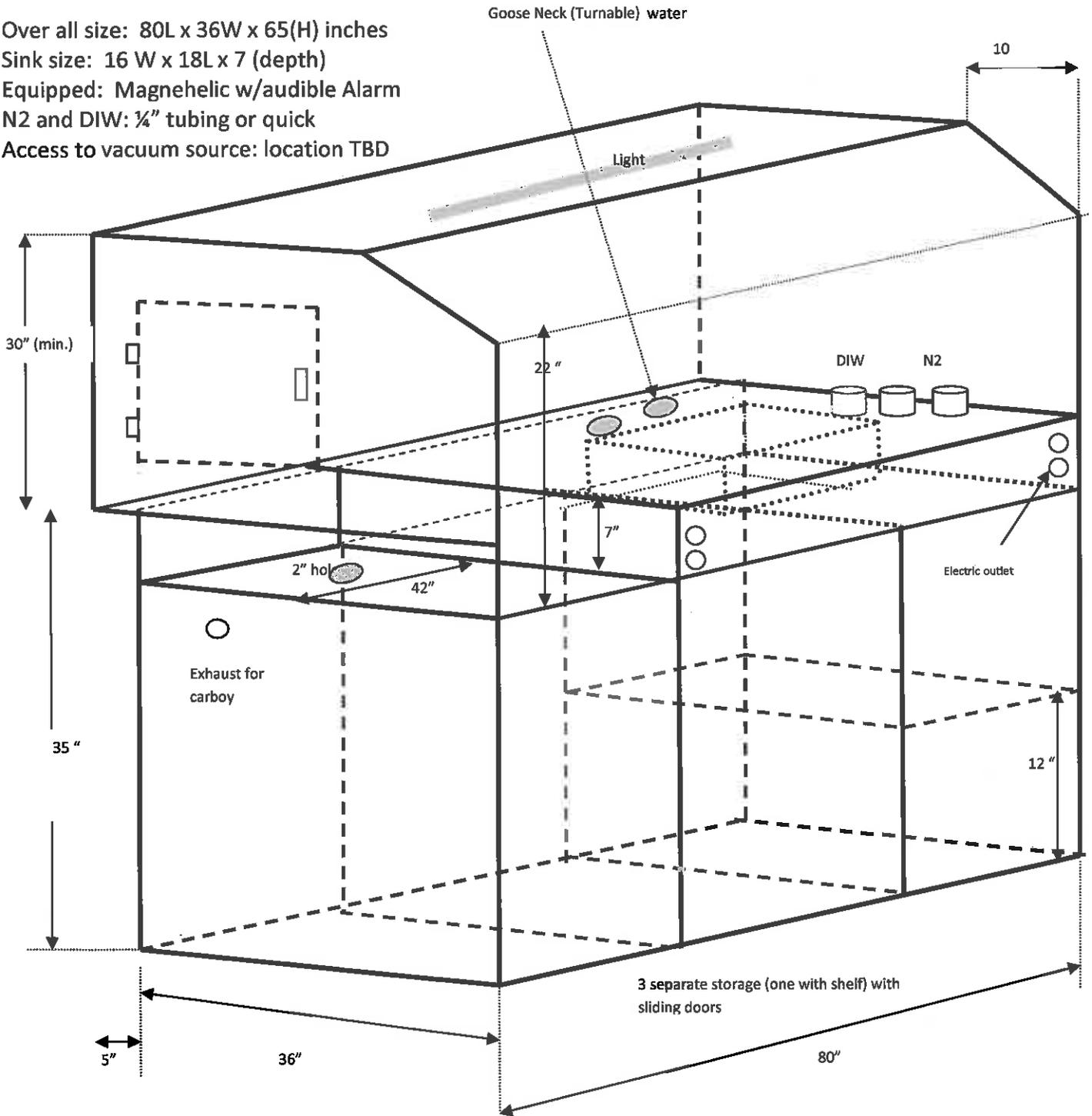
Over all size: 80L x 36W x 65(H) inches

Sink size: 16 W x 18L x 7 (depth)

Equipped: Magnehelic w/audible Alarm

N2 and DIW: 1/4" tubing or quick

Access to vacuum source: location TBD



Top view

