Purpose of Consultation

• “Does current system have capacity to add additional work stations with or without adding equipment?”
• “If additional equipment is required, what are the options and cost?”
Back and side shields highly desirable; enclose sides and top to make booth if practical.

Bench top

Clean-out doors or drawers

Tapered take-off necessary for distribution

END VIEW

\[ Q = 150-250 \text{ cfm/ft}^2 \text{ of bench area} \]

Minimum duct velocity = 3500 1pm

\[ \frac{he}{V} = 0.25 \text{ V/g} \]

If slots are used for distribution:

W3 Welding
W5 Welding

S3 grinding
unventilated

unventilated
North Star Ventilation Questions

• Can two more grinding stations be added?
• If not, how to ventilate these stations?
• How to improve ventilation for arc welder in SW corner? And other welding stations?
• Hood design modifications for welding and grinding hoods?
• Recommendations on system maintenance – bag cleaning and replacement, duct cleaning