NOZZLE TO ACCELERATE
AIR VELOCITY TO
3,500 FPM

SPRAY HEADS SHALL
ADEQUATELY WASH
DOWN ALL FAN
COMPONENTS
LOCATED WITHIN
EXHAUST DUCTWORK

ACID RESISTANT/NON-
SPARKING UPBLAST FAN

PLENUM
DRAIN

SPRAY HEAD—MAX SPACING OF
8' BETWEEN HEADS. PLACE AFTER
EVERY CHANGE IN DIRECTION.

316 16 GA. STAINLESS STEEL
DUCTWORK W/ WELDED JOINTS.
DUCTWORK SHALL TAKE THE
SHORTEST AND STRAIGHTEST PATH
TO THE OUTSIDE OF THE
BUILDING AS POSSIBLE AND
SHALL NOT BE MANIFOLDED
WITH OTHER EXHAUST SYSTEMS.
HORIZONTAL RUNS SHALL BE AS
SHORT AS POSSIBLE, WITH NO
SHARP TURNS OR BEND. THE
DUCTWORK SHALL PROVIDE A
DRAINAGE SLOPE BACK INTO THE
HOOD. NO FLEXIBLE DUCT SHALL
BE UTILIZED.

INSTALL HEAT TRACE
TAPE ON ALL WATER
PIPING LOCATED ABOVE
ROOF LEVEL IF DESIGN
CONDITIONS FALL BELOW
FREEZING.

NOTES:
1. SEPARATELY EXHAUST EACH
PERCHLORIC HOOD.
2. PROVIDE AUTOMATIC AND
MANUAL WASHDOWN CAPABILITY
WITH A CONTROL PANEL
ADJACENT TO EACH HOOD.

REDUCED PRESSURE-
BACKFLOW PREVENTER

WATER
SUPPLY

TO DRAIN

TO ACID WASTE

PERCHLORIC ACID HOOD EXHAUST SYSTEM

NOTES:
1. SEPARATELY EXHAUST EACH
PERCHLORIC HOOD.
2. PROVIDE AUTOMATIC AND
MANUAL WASHDOWN CAPABILITY
WITH A CONTROL PANEL
ADJACENT TO EACH HOOD.