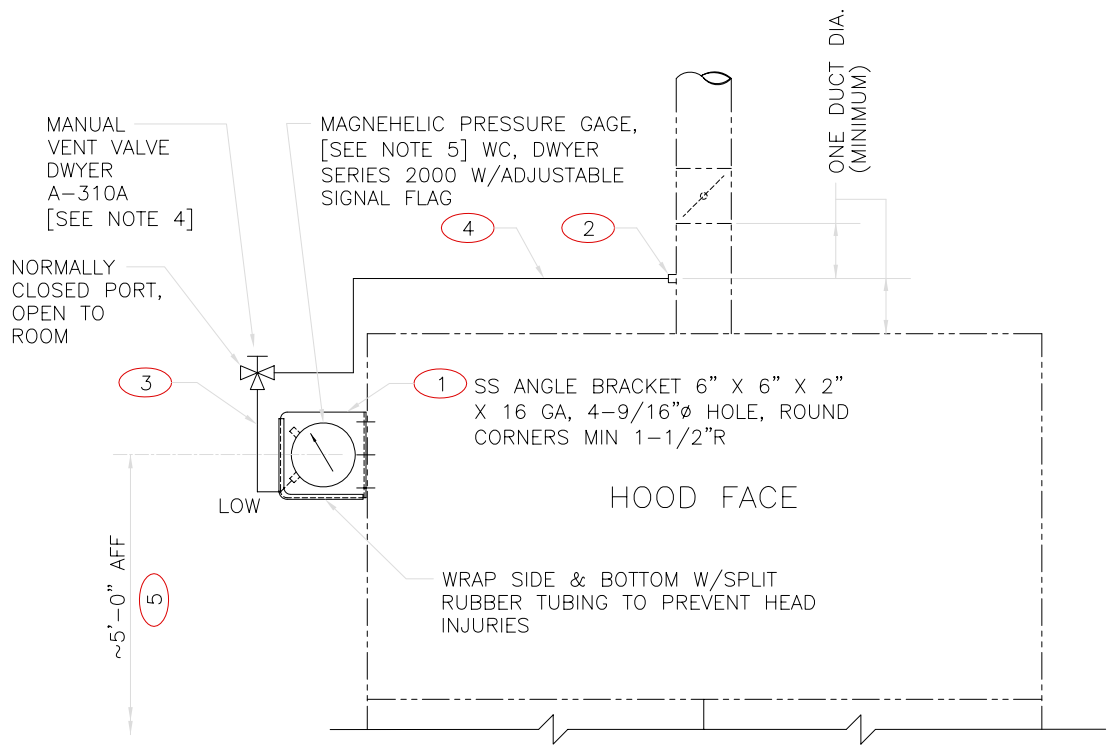

KEYED NOTES:

1. MOUNT BRACKET TO SIDE OF FUME HOOD WITH MINIMUM OF 3 STAINLESS STEEL (SS) SHEET METAL SCREWS. ENSURE SCREWS DO NOT INTERFERE WITH PIPING OR WIRE.
2. STATIC PRESSURE FITTING, DWYER A-307. CONNECT FITTING DUCT BELOW DAMPER OR FIRST ELBOW WITH SWAGELOK TYPE TUBE FITTINGS OR COUPLING.
3. CONNECT TUBING FROM DUCT TO LOW PRESSURE CONNECTION OF GAUGE WITH SWAGELOK TYPE TUBE FITTING. LEAVE HIGH PRESSURE CONNECTION OPEN TO ROOM. PLUG REMAINDER OF GAUGE CONNECTIONS.
4. 1/8" COPPER OR SS TUBING W/BRASS FITTINGS. MINIMIZE USE OF FITTINGS; BEND TUBING WHERE POSSIBLE. (USE STAINLESS STEEL TUBING AND FITTINGS IN VERY CORROSIVE EXHAUST STREAM).
5. GAGE MUST BE READABLE WHILE STANDING AT FACE OF FUME HOOD. GAUGE MAY BE MOUNTED ABOVE EYE LEVEL, BUT NEITHER GAUGE NOR TUBING SHALL INTERFER WITH MOVEMENT OF SASH.

FUME HOOD AIR FLOW INDICATOR DETAIL

SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.
2. NFPA 45 REQUIRES AIR FLOW INDICATORS BE INSTALLED ON NEW HOODS OR ON EXISTING HOODS, WHEN MODIFIED.
3. CONTACT LANL INDUSTRIAL HYGENE & PROTECTION OPERATIONAL SUPPORT GROUP FOR GUIDANCE IF ONE DUCT DIAMETER (DISTANCE FROM TOP OF FUME HOOD TO DUCT TIE-IN) CAN NOT BE OBTAINED.
4. VENT VALVE USED FOR GAUGE CALIBRATION.
5. CALCULATE OR MEASURE (USING A MICROMONOMETER) THE HOOD STATIC PRESSURE AND SPECIFY A GAUGE RANGE OF APPROXIMATELY TWICE THE HOOD STATIC PRESSURE.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

NO	DATE	CLASS REV	ADC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
2	8-13-03	U		REVISED NOTES. DWG NO. WAS ST6706.	RP	AY	JM	GG	TO
1	5-16-01	U		REVISED KEYED NOTE 2 & DESIGNER NOTE 2, AND DWG. REVISED TO COMPLY WITH DRAFTING MANUAL. ADDED NOTE 3.	RP	MB	KB	TO	TO

ENGINEERING STANDARDS PROGRAM

ENGINEERING STANDARDS MANUAL

FUME HOOD
AIR FLOW INDICATOR DETAIL

DRAWN R.PEARSON
DESIGN M.BURNETT
CHECKED K.BECKMAN
DATE 6-29-99

BLDG X TA-X
SUBMITTED
DISCIPLINE POC: GURINDER GREWAL
APPROVED FOR RELEASE
STANDARDS MANAGER: TOBIN ORUCH

Los Alamos NATIONAL LABORATORY
PO Box 1663
Los Alamos, New Mexico 87545

SHEET 1
1 OF 1

CLASSIFICATION: U
REVIEWER: LARRY BAYS
DATE:

PROJECT ID CHAPTER 6
DRAWING NO ST-D3040-1
REV 2