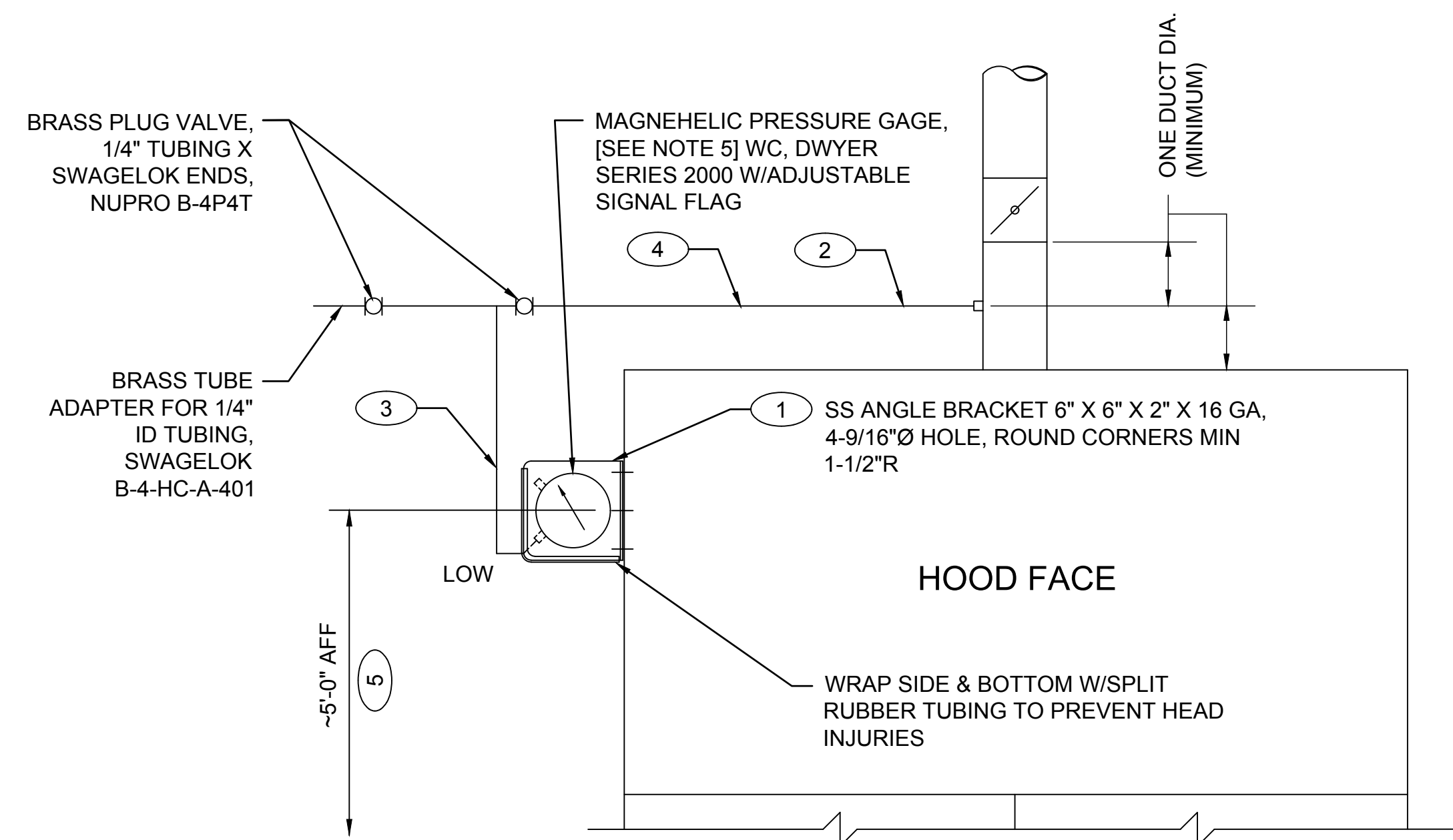


D  
C  
B  
A

**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. LOCATE FITTING ON DUCT BELOW DAMPER OR FIRST ELBOW.
- 3 CONNECT TUBING FROM DUCT TO LOW PRESSURE CONNECTION OF GAGE WITH SWAGELOK TYPE TUBE FITTING. LEAVE HIGH PRESSURE CONNECTION OPEN TO ROOM. PLUG REMAINDER OF GAGE CONNECTIONS.
- 4 1/4" COPPER TUBING W/ BRASS FITTING OR SS TUBING W/SS FITTINGS. MINIMIZE USE OF FITTINGS; BEND TUBING WHERE POSSIBLE. (USE STAINLESS STEEL TUBING AND FITTINGS FOR VERY CORROSIVE EXHAUST STREAM).
- 5 GAGE MUST BE READABLE WHILE STANDING AT FACE OF FUME HOOD. GAGE MAY BE MOUNTED ABOVE EYE LEVEL, BUT NEITHER GAGE NOR TUBING SHALL INTERFERE WITH MOVEMENT OF SASH.



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).

**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 TO BE INSTALLED ON NEW HOODS OR ON EXISTING HOODS, WHEN MODIFIED.
- 3. CONTACT LANL INDUSTRIAL HYGIENE GROUP FOR GUIDANCE IF ONE DUCT DIAMETER (DISTANCE FROM TOP OF FUME HOOD TO DUCT TIE-IN) CAN NOT BE OBTAINED.
- 4. VALVES ALLOW GAGE TO BE TESTED.
- 5. CALCULATE OR MEASURE (USING A MICROMANOMETER) THE HOOD STATIC PRESSURE AND SPECIFY A GAGE RANGE OF NO GREATER THAN TWICE THE HOOD STATIC PRESSURE.

NO	DATE	CLASS REV	DC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
4	07-06-2017	UNCLASS	TO	ADMIN. CHANGES TO CAD STD. REV#5 FORMAT	JB	AJ	ML	ML	TO
3	05-27-2009	U	LB	REVISED NOTES. DWG NO.	JH	SS	FB	CD	TO
2	08-13-2003	U	LB	REVISED NOTES. DWG NO. WAS ST6706.	RP	AY	JM	GG	TO
1	05-16-2001	U	LB	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**

<b>MECHANICAL</b>		DRAWN	R. PEARSON
		DESIGN	M. BURNETT
<b>FUME HOOD AIR FLOW INDICATOR DETAIL</b>		CHECKED	K. BECKMAN
		DATE	06-29-99
TA- XX	BLDG- XX	SHEET <b>1</b>	
SUBMITTED DISCIPLINE POC: GURINDER GREWAL		APPROVED FOR RELEASE STANDARDS MANAGER: TOBIN ORUCH	
		PO Box 1663 Los Alamos, New Mexico 87545	
D.C.: U	REVIEWER: LARRY BAYS	DATE: 06-29-99	
PROJECT ID	DRAWING NO	REV	
<b>CHAPTER 6</b>	<b>ST-D3040-1</b>	<b>4</b>	

00% REVIEW NOT FOR CONSTRUCTION