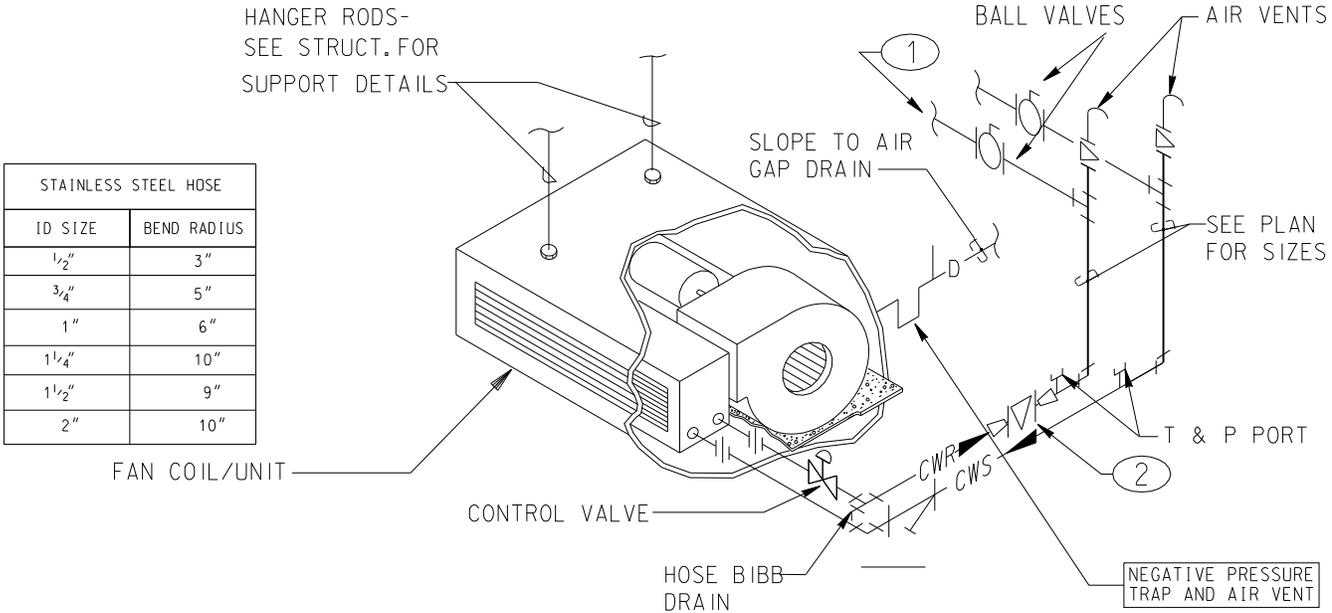


PREPARED BY: JR	SANDIA NATIONAL LABORATORIES FACILITIES ENGINEERING	SKETCH NO.: MH5021
CHECKED BY: DS		SCALE: NONE
DATE: 03/22/07	REV: D	MECHANICAL STANDARD

FAN COIL UNIT



GENERAL NOTES

1. DETAIL INDICATES FAN COIL PIPED WITH TYPE L HARD DRAWN COPPER TUBE. COIL INSTALLATION KITS WITH THE INDIVIDUAL COMPONENTS INSTALLED AS AN ASSEMBLY ARE ACCEPTABLE IF ALL COMPONENTS MEET SNL STANDARD SPECIFICATION 15051. COMBINATION COMPONENTS SUCH AS A COMBO BALL VALVE AND STRAINER ARE ACCEPTABLE IF EACH PART OF THE COMBINED COMPONENT MEETS THE DESIGN SPECIFICATION OF THE SUBSTITUTED FOR PIPE COMPONENT. THE STAINLESS STEEL HOSE THAT IS INCLUDED SHALL BE NO GREATER THAN 24" IN LENGTH. HOSE SHALL BE STAINLESS STEEL REINFORCED EPT TUBE WITH A WORKING PRESSURE RATING OF 300 PSI AT 212° F. HOSE SHALL INCLUDE AT LEAST ONE UNION OR SWIVEL END. MAXIMUM HOSE BEND RADIUS ARE SHOWN IN TABLE.

KEYED NOTES

- ① PIPE CWS AND CWR BRANCH LINES INTO TOP OR SIDE OF MAINS. BOTTOM OF MAIN PIPE CONNECTIONS ARE NOT ACCEPTABLE.
- ② CALIBRATED BALANCING VALVE: BRONZE BODY, BALL TYPE, 200 PSIG WORKING PRESSURE, 250° F MAXIMUM OPERATING TEMPERATURE. THREE UNRESTRICTED STRAIGHT PIPE DIAMETERS ARE REQUIRED UPSTREAM OF THE VALVE AND ONE UNRESTRICTED STRAIGHT PIPE DIAMETER IS REQUIRED DOWNSTREAM OF THE VALVE.

TYPICAL CONNECTION DETAIL

SCALE: NONE