





















































[illegible]

DUCTWORK SYMBOLS	
	SUPPLY DUCT (UP & DOWN)
	EXHAUST DUCT (UP & DOWN)
	RETURN DUCT (UP & DOWN)
	ROUND AND SQUARE 4-WAY CEILING DIFFUSERS
	SQUARE 3-WAY CEILING DIFFUSERS
	SQUARE 2-WAY CEILING DIFFUSERS
	SQUARE 1-WAY CEILING DIFFUSERS
	LINEAR SLOT DIFFUSERS
	SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)
	EXHAUST OR RETURN CEILING REGISTER OR GRILLE (WALL TYPE)
	EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE (WALL TYPE)
	EXHAUST OR RETURN REGISTER OR TOP GRILLE (WALL TYPE)
	VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF
	CONNECT NEW DUCT TO EXISTING DUCT
	INCLINED RISE, IN DIRECTION OF AIR FLOW
	INCLINED DROP, IN DIRECTION OF AIR FLOW
	LIMIT OF DEVOLUTION
	FLEXIBLE CONNECTION, EQUIPMENT, VIBRATION OR SEISMIC
	VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
	VANED ELBOW (SHORT RADIUS)
	STANDARD RADIUS ELBOW (LONG RADIUS)
	STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)
	DUCT MOUNTED COIL (HOT WATER OR STEAM COIL)
	DUCT MOUNTED COIL (ELECTRIC)
	NEW DUCT (INSIDE DIMENSIONS: WIDTH x DEPTH)
	EXISTING DUCT TO REMAIN
	EXISTING DUCT TO BE REMOVED
	LOUVER (LOWER SPECIFIED IN ARCHITECTURAL SECTION)
	FLEXIBLE DUCTWORK (INSULATED)
	DUCT WITH SOUND LINING
	MANUAL VOLUME DAMPER
	FIRE DAMPER
	BACK DRAFT DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	POINT OF CHANGE IN DUCT CONSTRUCTION BY STATIC PRESSURE CLASS. THE NUMBER ASSIGNS THE PRESSURE CLASS. THE NUMBER IN THE DUCT SUBSECTION, THE SYMBOL CONTINUES THE SEQUENCE OF THE DUCTWORK. ANOTHER SYMBOL APPEARS A "TV" SUPERSUBSCRIPT INDICATES NEGATIVE PRESSURE.
	AUTOMATIC CONTROL DAMPER MODULATING
	AUTOMATIC CONTROL DAMPER TWO POSITION
	STAINLESS STEEL DUCT
	MANUAL SPLITTER DAMPER

[illegible]

GENERAL SYMBOLS	VALVE SYMBOLS	
		Gate Valve - Threaded/Flanged
		Globe Valve - Threaded/Flanged
		Gate Valve with 3/4" Hose Adapter
		Check Valve
		Wye Shifter (With Ball Valve & Hose Connection)
		Flexible Connection
		Angle Globe Valve
		Butterfly Valve
		Ball Valve
		Modulating Control Valve
		Modulating Control Valve
		Two Position Control Valve
		Three-Way Modulating Control Valve
		Three-Way Two Position Control Valve
		Pressure Regulating Valve
		Pressure Safety Valve
		Automatic Balancing Control Valve
		Water Balance Device
		Circuit Setter Valve
		Gate Valve with Globe-Valved Brass Plug Valve
		Control Valve (C) - Float-Operated
		Pressure Reducing Valve (PRV)
		Strainer with Yalved Drain and Quick-Couple
		Water Meter
		Temperature Sensor
		Carbon Dioxide Detector

CONTROLS SYMBOLS

1	ROOM HEATING/TRANSMITTER - WALL MOUNT	1T2P	LOCAL TEMPERATURE CONTROL PANEL
2	ROOM HUMIDISTAT (MOISTURE)/TRANSMITTER - WALL MOUNT	1TAC	HVAC CONTROL PANEL
3	TEMPERATURE TRANSMITTER	1TMC	VARIABLE SPEED MOTOR CONTROLLER
4	TEMPERATURE TRANSMITTER, AVERAGE ELEMENT	1TCC	INTEGRATE CONTROL POINT ON ROTATE GRAPHICS MONITORING IN DEPENDENT CONTROL CENTER
5	MOISTURE (HUMIDITY) TRANSMITTER	1T2	TEMPERATURE CONTROLLER. SET SEQUENCE OF OPERATION
6	PRESSURE TRANSMITTER	1PC	PRESSURE CONTROLLER. SET SEQUENCE OF OPERATION
7	STATIC PRESSURE SENSOR	1PS	SPEED CONTROLLER. SET SEQUENCE OF OPERATION
8	FLOW TRANSMITTER	1FC	FLOW CONTROLLER. SET SEQUENCE OF OPERATION
9	CURRENT TRANSMITTER	1F2	FLOW SWITCH HIGH
10	CONDUCTIVITY TRANSMITTER	1F4	FLOW SWITCH LOW
11	SMOKE DETECTOR	1KC	TIME CLOCK CONTROLLING EQUIPMENT ON A SCHEDULE
12	PRESSURE DIFFERENTIAL TRANSMITTER		
13	PRESSURE TRANSMITTER		
14	WALL SWITCH (HAND-OFF-AUTO SWITCH)		
15	WALL OR DAMPER POSITION CONTROLLER		
16	LOCAL RECORDING TIME CLOCK (H/M/M)		
17	TEMPERATURE SWITCH, LOW (FREEZESTAT)		
18	TEMPERATURE SWITCH, HIGH (FREEZESTAT)		
19	LEVEL CONTROLLER		
20	LEVEL TRANSMITTER		
21	PRESSURE SWITCH LOW		
22	PRESSURE SWITCH HIGH		
23	PRESSURE SWITCH LOW		
24	ELECTRONIC TO PNEUMATIC TRANSDUCER		
25	CARBON MONOXIDE TRANSMITTER		
26	CARBON MONOXIDE TRANSMITTER		
27	OCCUPANCY SENSOR		

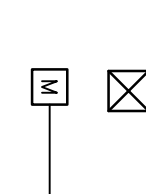
1. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATE DUCT SIZES ARE NET INSIDE DIMENSIONS

2. ACCESS PANELS IN HAND SUSPENDED CEILING ARE REQUIRED FOR ALL VALVES, TRANSDUCERS, DAMPERS, SENSORS, ACCESS PANELS SHALL BE PLUMBING AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS.

3. THE STATIC PRESSURE NOTED IN THE SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC.

4. FOR TYPICAL STEAM AND WATER PIPING CONNECTIONS TO EQUIPMENT. SEE STANDARD EQUIPMENT DETAILS.

5. WATER PANE CONNECTIONS TO AN HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR



ELECTRIC OPERATED CONTROL DAMPER/OR WAUE MOTOR STARTER

GENERAL NOTES

CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title Project Number 537-07-138 Building Number BUILDING 30		Office of Construction and Facilities Management	
				Drawing Title REPLACEMENT OF AHU S-10B IN BUILDING 30		Department of Veterans Affairs	
				Location 820 S. DAMEN AVE CHICAGO, IL 60612			
		Approved Project Director		Checked yw		Drawn yw	
				Date 07/25/02		Dwg. 02 of 09	
ISSUED FOR CONSTRUCTION DOCUMENTS (FINAL BD)		07/25/02					
ISSUED FOR 100% DESIGN SUBMITTAL		06/13/02					
ISSUED FOR 50% DESIGN DEVELOPMENT		04/20/02					
Reviewer		Date					