

### CONTROLS LEGEND

CONTROL SYMBOLS	DESCRIPTION
	ROOM THERMOSTAT/TRANSMITTER – WALL MOUNT
	ROOM HUMIDISTAT (MOISTURE)/TRANSMITTER WALL MOUNT
	TEMPERATURE TRANSMITTER
	TEMPERATURE TRANSMITTER, AVERAGING ELEMENT
	MOISTURE (HUMIDITY) TRANSMITTER
	PRESSURE TRANSMITTER
	STATIC PRESSURE SENSOR
	FLOW TRANSMITTER
	CURRENT TRANSMITTER
	CONDUCTIVITY TRANSMITTER
	SMOKE DETECTOR
	PRESSURE DIFFERENTIAL TRANSMITTER
	PRESSURE DIFFERENTIAL SWITCH
	HAND SWITCH (HAND-OFF-AUTO SWITCH)
	VALVE OR DAMPER POSITION CONTROLLER
	CONTROL RELAY
	TEMPERATURE SWITCH, LOW (FREEZESTAT)
	PRESSURE SWITCH HIGH
	PRESSURE SWITCH LOW
	CARBON DIOXIDE TRANSMITTER
	HVAC CONTROL PANEL
	VARIABLE FREQUENCY DRIVE
	INTEGRATE CONTROL POINT ON REMOTE GRAPHICS WORKSTATION AT ENERGY CONTROL CENTER
	TEMPERATURE CONTROLLER. SEE SEQUENCE OF OPERATION
	PRESSURE CONTROLLER. SEE SEQUENCE OF OPERATION
	SPEED CONTROLLER. SEE SEQUENCE OF OPERATION
	FLOW CONTROLLER. SEE SEQUENCE OF OPERATION
	FLOW SWITCH
	SENSOR WITH AVERAGING ELEMENT TO TRANSMIT TEMPERATURE TO EMCS
	ELECTRIC OPERATED CONTROL DAMPER/OR VALVE
	TSI DIFFERENTIAL PRESSURE MONITOR PASS THRU "WG"

NOTE : NOT ALL SYMBOLS SHOWN APPLY

### MECHANICAL LEGEND

DUCTWORK SYMBOL	DESCRIPTION
	COMBINATION FIRE/SMOKE DAMPER
	POINT OF CHANGE IN DUCT CONSTRUCTION BY STATIC PRESSURE CLASS. THE NUMBER ASSIGNS PRESSURE CLASS (IN. OF WATER) WHICH WILL ACCOMMODATE MAXIMUM OPERATING PRESSURE IN THE DUCT SUBSECTION. THE SYMBOL CONTINUES IN THE DUCT UNTIL THE DUCT TERMINATES OR ANOTHER SYMBOL APPEARS. A "N" SUPERScript INDICATES NEGATIVE PRESSURE.
	AUTOMATIC CONTROL DAMPER MODULATING
	AUTOMATIC CONTROL DAMPER TWO POSITION
	STAINLESS STEEL DUCT
	MANUAL SPLITTER DAMPER
	STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)
	DUCT MOUNTED COIL (HOT WATER OR STEAM COIL)
	DUCT WITH SOUND LINING
	MANUAL VOLUME DAMPER
	FIRE DAMPER
	BACK DRAFT DAMPER

NOTE : NOT ALL SYMBOLS SHOWN APPLY

### MECHANICAL LEGEND

DUCTWORK SYMBOL	DESCRIPTION
	SUPPLY DUCT (UP & DOWN)
	EXHAUST DUCT (UP & DOWN)
	RETURN DUCT (UP & DOWN)
	SQUARE CEILING DIFFUSER
	SQUARE CEILING RETURN/EXHAUST REGISTER OR GRILLE
	LINEAR SLOT DIFFUSER
	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 DEMOLITION
	FLEXIBLE CONNECTION, EQUIPMENT, VIBRATION, OR SEISMIC
	VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES AS SHOWN ON DRAWINGS)
	VANED ELBOW (SHORT RADIUS)
	STANDARD RADIUS ELBOW (LONG RADIUS)
	NEW DUCT (INSIDE DIMENSIONS: WIDTH x DEPTH)
	EXISTING DUCT TO REMAIN
	EXISTING DUCT TO BE REMOVED
	LOUVER (LOUVER SPECIFIED IN ARCHITECTURAL SECTION.)
	FLEXIBLE DUCTWORK (INSULATED)

NOTE : NOT ALL SYMBOLS SHOWN APPLY

### MECHANICAL LEGEND

TERMINAL UNIT SYMBOL	DESCRIPTION
	CONVECTOR OR RADIATOR (RECESSED)
	CONVECTOR OR RADIATOR (WALL HUNG)
	FLOOR MOUNTED VERTICAL RECESSED FAN COIL UNIT. LETTER INDICATES UNIT SIZE.
	FLOOR MOUNTED VERTICAL CABINET FAN COIL UNIT. LETTER INDICATES UNIT SIZE.
	THRU WALL AIR CONDITIONING UNIT. LETTER INDICATES UNIT SIZE.
	WINDOW TYPE AIR CONDITIONING UNIT. LETTER INDICATES UNIT SIZE.
	FLOOR MOUNTED HEAT PUMP. LETTER INDICATES UNIT SIZE.
	AIR CURTAIN
	UNIT HEATER (HORIZONTAL)
	UNIT HEATER (VERTICAL)
	2'x2' RADIANT CEILING PANEL
	2'x4' RADIANT CEILING PANEL

NOTE : NOT ALL SYMBOLS SHOWN APPLY

AIR TERMINAL SYMBOL	DESCRIPTION
	ATU – AIR TERMINAL UNIT WITH HEATING HOT WATER REHEAT COIL
	DOUBLE DUCT MIXING BOX.
	FAN POWERED VARIABLE VOLUME TERMINAL UNIT WITH HEATING COIL.
	AIR FLOW CONTROL VALVE
	DUCT-MOUNTED REHEAT COIL

NOTE : NOT ALL SYMBOLS SHOWN APPLY

FINAL DESIGN  
APPROVED FOR CONSTRUCTION

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