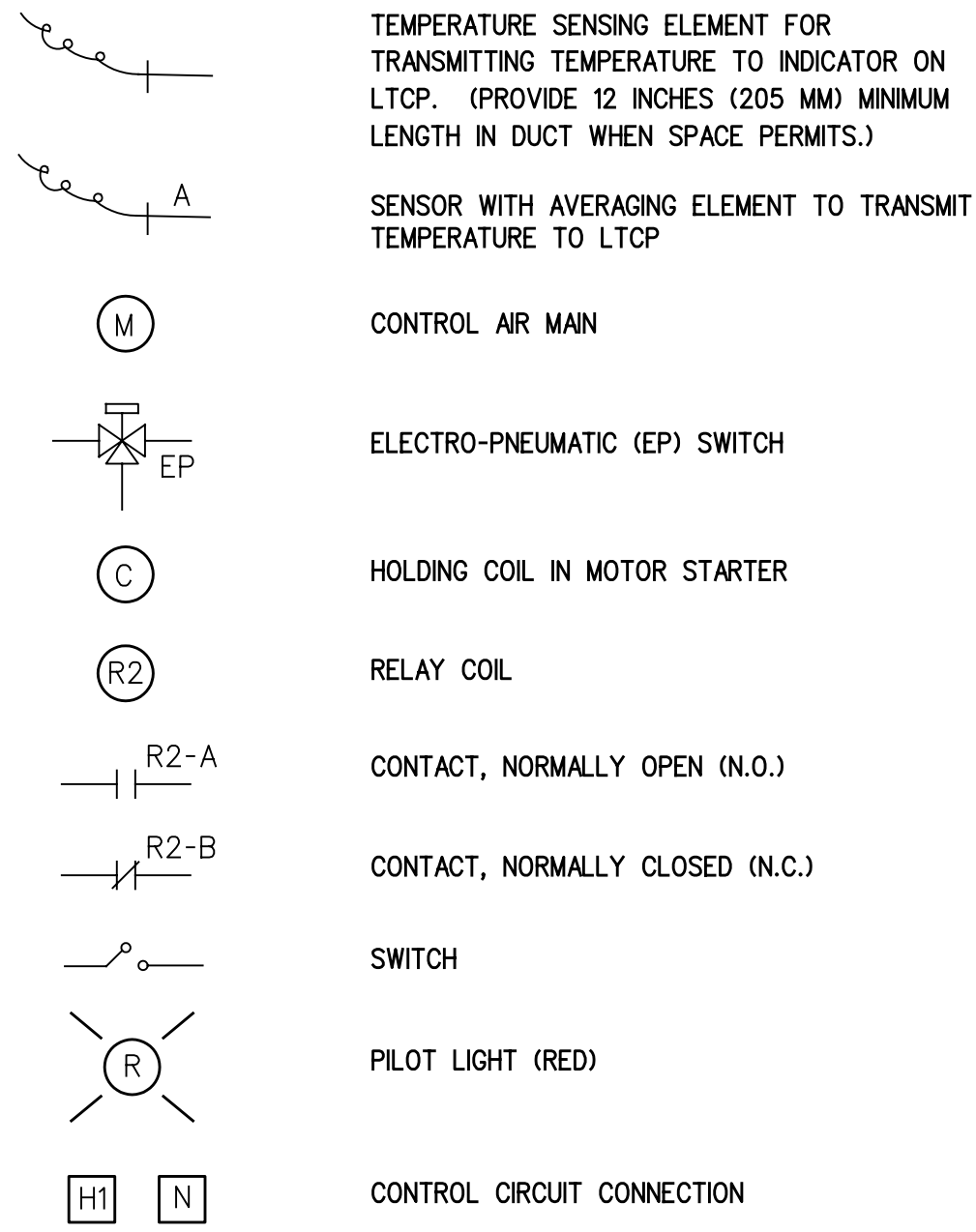


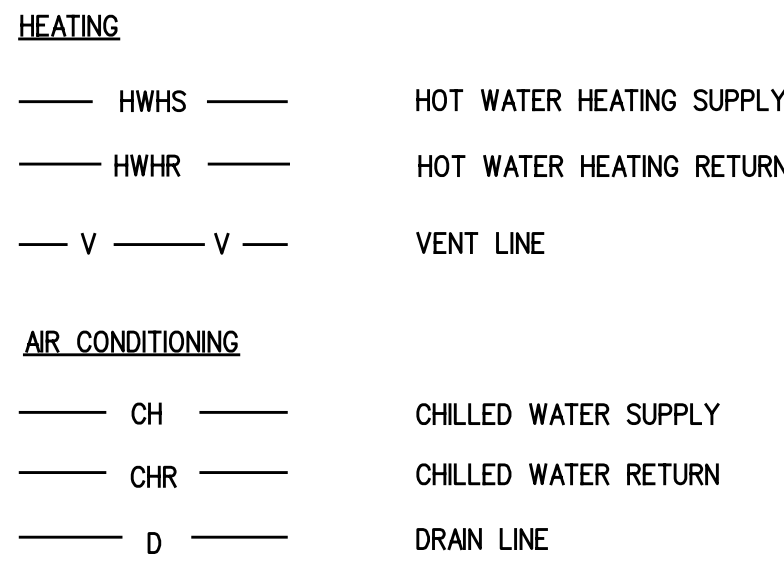
CONTROLS SYMBOLS



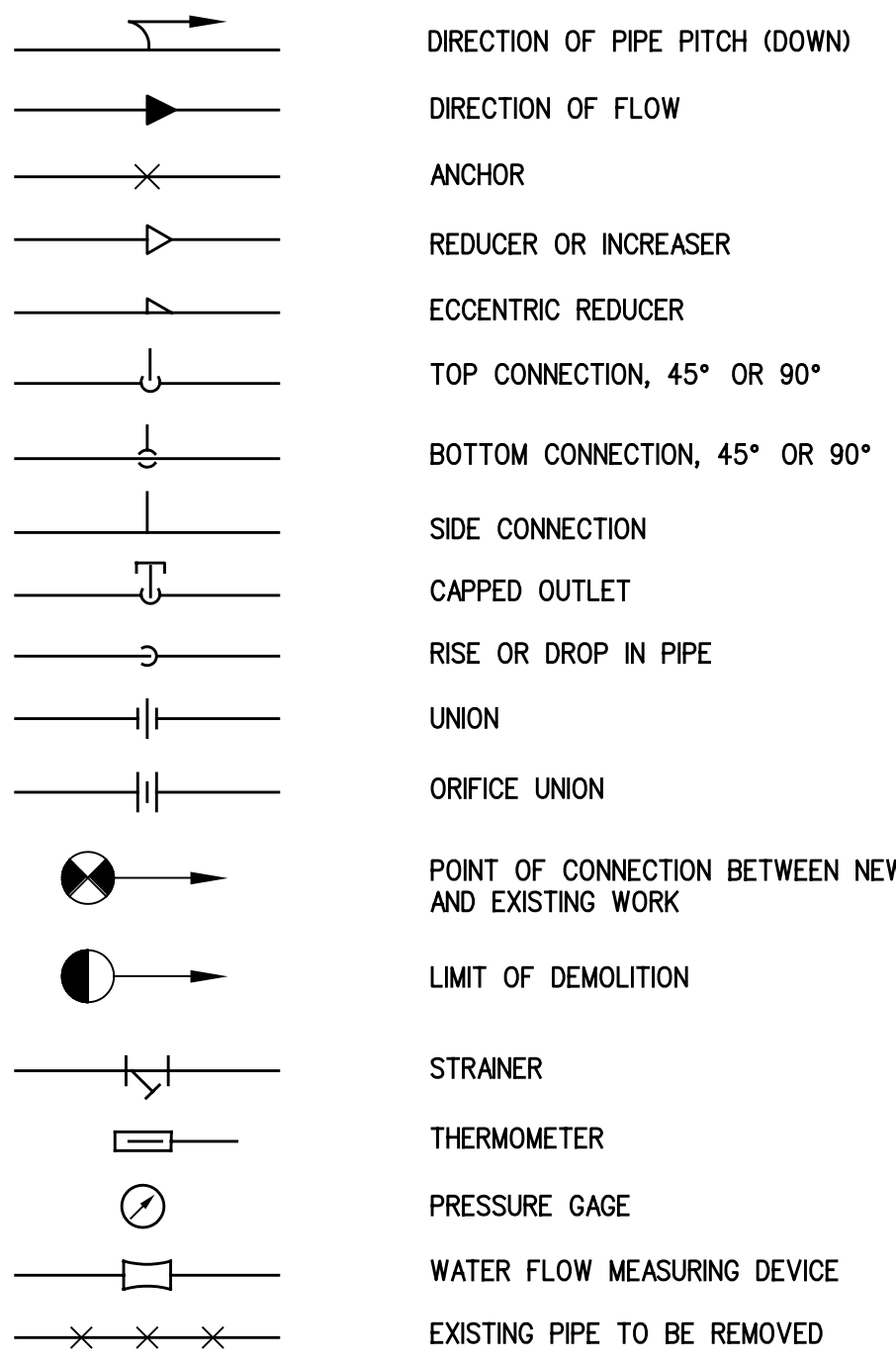
DESIGNER'S NOTE:

WHEN TEMPERATURES ARE TRANSMITTED TO AN ENGINEERING CONTROL CENTER DELETE READOUT ON LOCAL TEMPERATURE CONTROL PANEL.

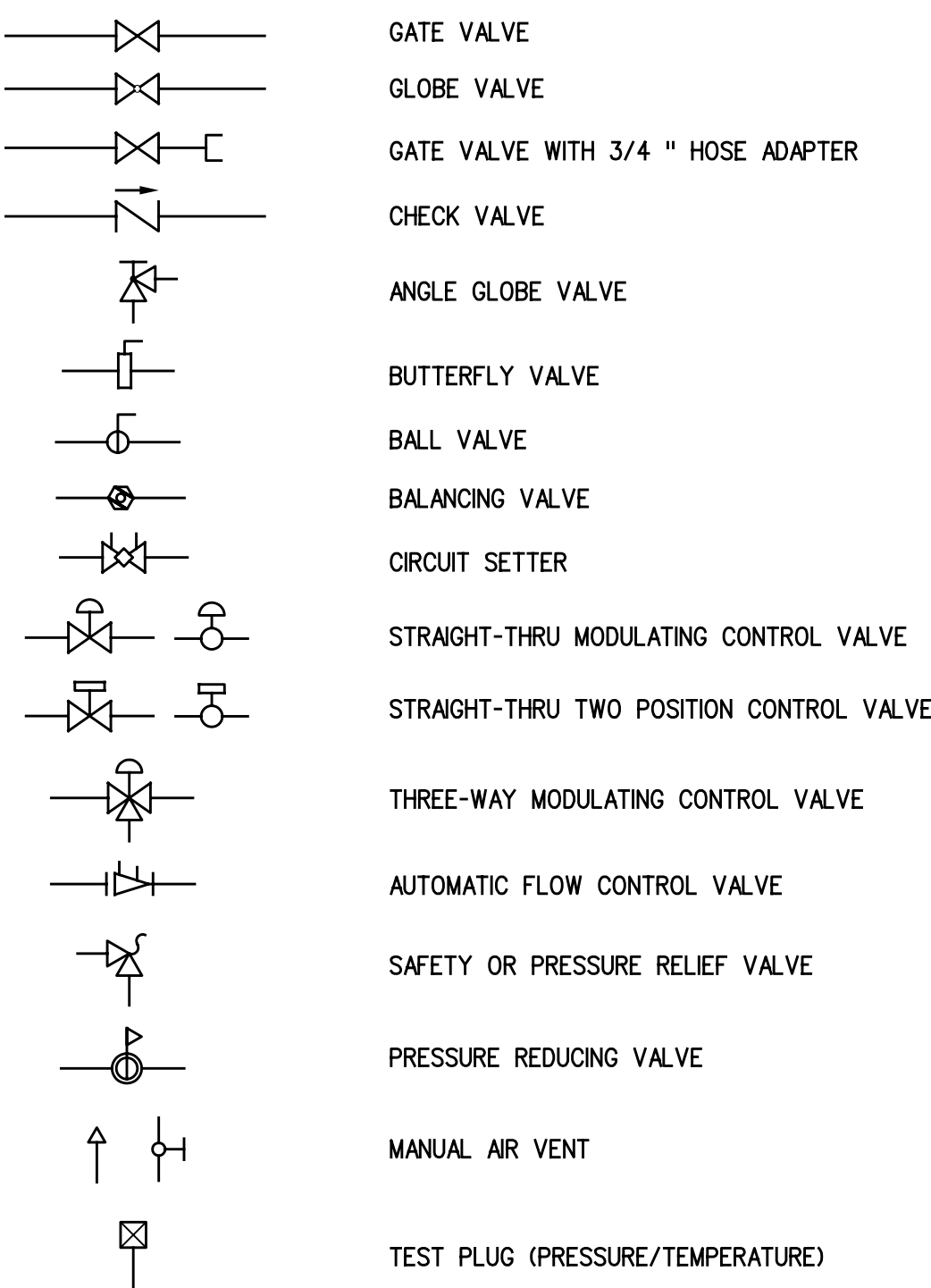
PIPING SYMBOLS



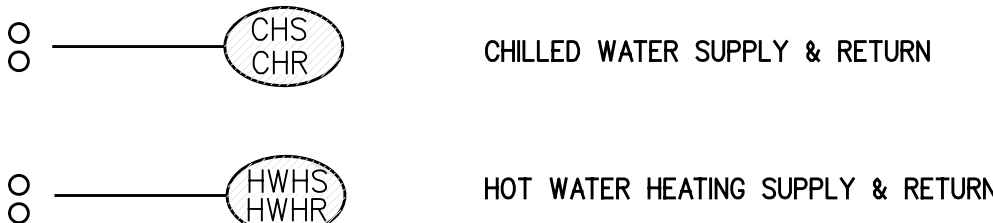
GENERAL SYMBOLS



VALVE SYMBOLS

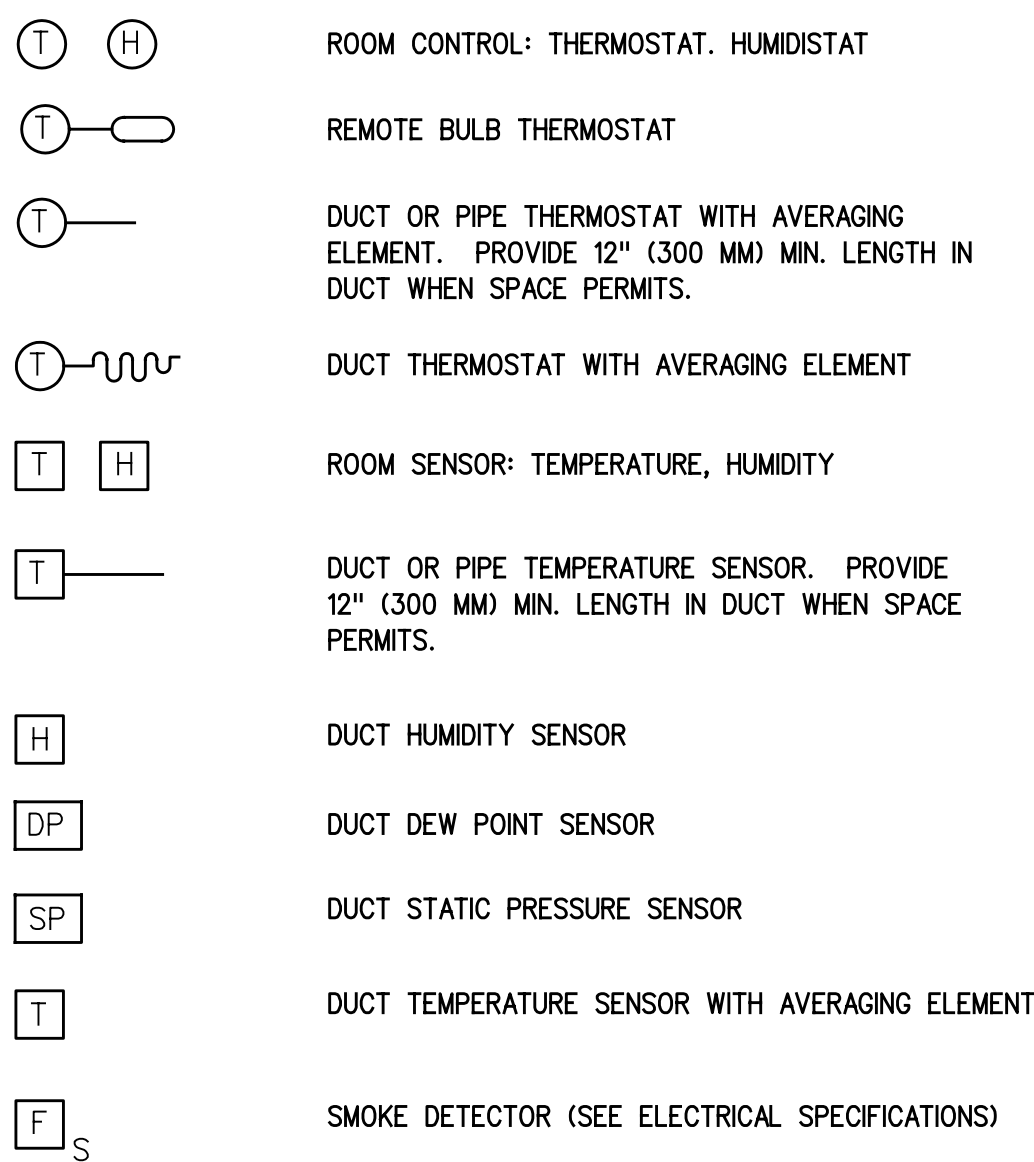


PIPING RISER SYMBOLS

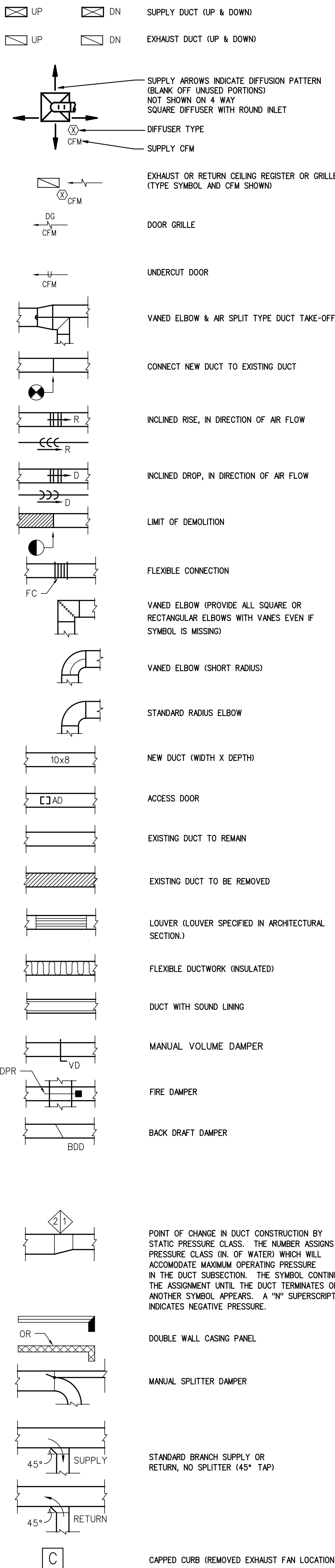


CONTROLS SYMBOLS

(SEE DWG. M7.11 FOR CONTROL LEGENDS AND DIAGRAMS)



DUCTWORK SYMBOLS



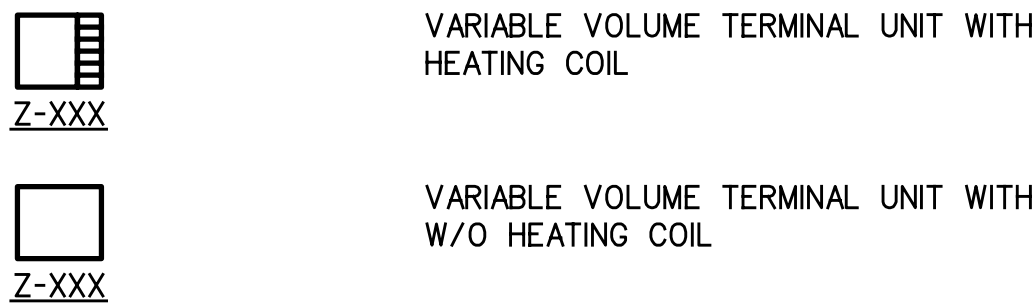
GENERAL NOTES:

- ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE THE SUSPENDED CEILING.
- THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED.
- ACCESS PANELS IN SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS.
- TOTAL STATIC PRESSURE NOTED IN THE SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC.
- FOR TYPICAL WATER PIPING CONNECTIONS TO EQUIPMENT SEE STANDARD EQUIPMENT DETAILS.
- DIFFUSER, REGISTER AND GRILLE SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES.
- WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR.

ABBREVIATIONS

AD	ACCESS DOOR
AF	AFTER FILTER
AFCE	AIR FLOW CONTROL VALVE
AFM	AIR FLOW MEASURING DEVICE
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
CC	COOLING COIL
CD	CEILING DIFFUSER
CF	CENTRIFUGAL FAN
CG	CEILING GRILLE
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CO	CLEAN OUT
CR	CEILING REGISTER
CW	COLD WATER
D	AUTOMATIC DAMPER
Db	DRY BULB TEMPERATURE
db	DECIBELS
DD	DISCHARGE DAMPERS
Dp	DEWPOINT TEMPERATURE
E/A	EXHAUST AIR
EAT	EXISTING AIR TEMPERATURE
ECC	ENGINEERING CONTROL CENTER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
FC	FLEXIBLE CONNECTION
FLR	FLOOR
F.DPR.	FIRE DAMPER
FS	FACTORY FABRICATED FAN SECTION
GPM	GALLONS PER MINUTE
HC	HEATING COIL
HD	HOOD
HF	HEPA FILTER
HP	HORSEPOWER
HWHR	HOT WATER HEATING RETURN
HWS	HOT WATER HEATING SUPPLY
IFB	INTEGRAL FACE AND BYPASS
IV	INLET VANES
LAT	LEAVING AIR TEMPERATURE
LTCP	LOCAL TEMPERATURE CONTROL PANEL
LBS/HR	POUNDS PER HOUR
LWT	LEAVING WATER TEMPERATURE
MB	MIXING BOX
MER	MECHANICAL ROOM
MAX.	MAXIMUM
MIN.	MINIMUM
NOM.	NOMINAL
O/A	OUTDOOR AIR
P	PUMP
PD	PRESSURE DROP
PF	PRE-FILTER
PH	PREHEAT
POD	POWER OPERATED, OPPOSED BLADE DAMPER
PPD	POWER OPERATED, PARALLEL BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
R/A	RETURN AIR
RF	RETURN FAN
RH	REHEAT COIL
Rh	RELATIVE HUMIDITY
S/A	SUPPLY AIR
SA	SOUND ATTENUATING UNIT
SCD	SMOKE CONTROL DAMPER
SD.	SMOKE DAMPER
Sp. Gr.	SPECIFIC GRAVITY
SH	STEAM HUMIDIFIER
SP	STATIC PRESSURE
SPS	STATIC PRESSURE SENSOR
URV	UPBLAST POWER TYPE ROOF VENTILATOR
V	VALVE
VD	VOLUME DAMPER (MANUAL OPPOSED BLADE)
VE	VOLUME EXTRACTOR
VFD	VARIABLE FREQUENCY DRIVE
V1	VIBRATION ISOLATOR
VIV	VARIABLE INLET VANES
Wb	WET BULB TEMPERATURE
WFMD	WATER FLOW MEASURING DEVICE

AIR TERMINAL SYMBOLS



DESIGNED BY: DATE: 08/04/2003	PROJECT NO: 6503
DRAWN BY:	CHECKED BY: DRAWING CODE:
REVISIONS AS-BUILT	ISSUED FOR FINAL WORK PLAN
ISSUED FOR BID	ISSUED FOR BID
AMENDMENT	AMENDMENT
SYMBOL	SYMBOL
DESCRIPTION	DESCRIPTION
DATE	DATE
APPROVED	APPROVED

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RENOVATE CLINIC
BUILDING 1090
LITTLE ROCK AFB, ARKANSAS
**ABBREVIATION, SYMBOLS,
& GENERAL NOTES
AS-BUILT**

SHEET
REFERENCE
NUMBER:
M0.00
SHEET X OF XX