INPUT SYMBOLS

D	DEW POINT SENSOR
DT	DIFFERENTIAL TEMPERATURE SENSOR
DP	DIFFERENTIAL PRESSURE SENSOR
FM	FLOW METER
H	HUMIDITY SENSOR
H2	HYDROGEN DETECTOR
LD	LEAK DETECTION
LT	LEVEL TRANSMITTER
P	PRESSURE SENSOR
R	REFRIGERANT DETECTOR
SD	SMOKE DETECTOR
T/H	TEMPERATURE & HUMIDITY SENSOR
T	TEMPERATURE SENSOR
TT	TEMPERATURE TRANSMITTER
	VIBRATION TRANSMITTER
FS	FLOW SWITCH
Fz	FREEZESTAT
H	HUMIDISTAT
LS	LEVEL SWITCH
P	PRESSURE SWITCH
T	THERMOSTAT
	VIBRATION SWITCH
AFMS	AIR FLOW MEASURING STATION
X	WIRELESS SENSOR

CONTROLS NETWORK SYMBOLS

- NETWORK PANEL / RACK
- NETWORK SWITCH
- STANDALONE BMS CONTROL PANEL
- EQUIPMENT
- SENSOR/END DEVICE
- NETWORK CONNECTION INTO BUILDING NETWORK
- ETHERNET
- 12 STRAND SINGLE-MODE FIBER LC/LC CONNECTORS
- RS485 COMMUNICATION INTERLOCK
- HARDWIRED INTERLOCK
- MANUFACTURER INTERLOCK
- 120VAC WIRING BY OTHERS INTERLOCK

SENSOR AND SWITCH ACCESSORIES

D	DEW POINT SENSOR
H	HUMIDITY SENSOR
LT	LEVEL TRASMITTER
P	PRESSURE SENSOR
T	AVERAGING TEMPERATURE SENSOR
T	TEMPERATURE SENSOR
TT	TEMPERATURE TRANSMITTER
	VIBRATION TRANSMITTER
FS	INLINE FLOW SWITCH
LS	LEVEL SWITCH
Fz	FREEZESTAT
	VIBRATION SWITCH
AFMS	AIRFLOW METERING STATION
FM	INLINE FLOW METER
FM	INSERTION FLOW METER
DP	DIFFERENTIAL PRESSURE SENSOR
DT	DIFFERENTIAL TEMPERATURE SENSOR

POINT SYMBOLS

AI	ANALOG INPUT
AO	ANALOG OUTPUT
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT

FLOOR PLAN LINE TYPES

- EXISTING IN CURRENT PHASE
- DEMOLISHED SCOPE
- NEW WORK SCOPE
- FUTURE SCOPE

ABBREVIATIONS

A	
ADJ	ADJUSTABLE
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
AO	ALANOG OUTPUT
AMS	AIRFLOW MEASURING STATION
ATS	AUTOMATIC TRANSFER SWITCH
B	
BAS	BUILDING AUTOMATED SYSTEM
BI	BINARY INPUT
BMS	BUILDING MANAGEMENT SYSTEM
BO	BINARY OUTPUT
BTU	BRITISH THERMAL UNIT
C	
CSIP	CONTROL SYSTEM INTERFACE PANEL
CSI	CONSTRUCTION SYSTEM INTEGRATOR
CW	CITY WATER
CRAC	COMPUTER ROOM AIR CONDITIONER
CRCU	COMPUTER ROOM CONDENSING UNIT
CBD	DX COIL BYPASS DAMPER
CC	DX COOLING COIL
CF	CARTRIDGE FILTER
CS	CURRENT SWITCH
CU	SPLIT SYSTEM CONDENSING UNIT
CV	CONTROL VALVE
D	
DB	DRY BULB
DC	DATA CONNECTION
DP	DIFFERENTIAL PRESSURE
DSI	DESIGN SYSTEM INTEGRATOR
DEC	DIRECT EVAPORATIVE COOLING
E	
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EWT	ENTERING WATER TEMPERATURE
EAD	EXHAUST AIR DAMPER
EBD	ECH BYPASS DAMPER
ECH	EVAPORATIVE COOLING HUMIDIFIER
EEPROM	ELECTRICALLY ERASABLE PROGRAMMABLE READ ONLY MEMORY
EMS	ENERGY MANAGEMENT SYSTEM
EPROM	ERASABLE PROGRAMMABLE READ ONLY MEMORY
EF	EXHAUST FAN
EG	EMERGENCY GENERATOR
F	
FA	FAN ARRAY
FACNET	FACILITY NETWORK
FLP	FAIL LAST POSITION
FACP	FIRE ALARM CONTROL PANEL
FAIP	FIRE ALARM INTERFACE PANEL
FTT	FREE TOPOLOGY TRANSCIEVER
FSCS	FIRE FIGHTER'S SMOKE CONTROL PANEL
F	FILTER
FDM	FACILITIES DEVICE MANAGER
FM	FLOW METER
G	
GPM	GALLONS PER MINUTE
GEF	GENERAL EXHAUST FAN
GDU	GRAPHICS DISPLAY UNIT
H	
Hz	HERTZ
HT	HEAT TRACE
HUM	EVAPORATIVE HUMIDIFIER
HOA	HANDS OFF AUTOMATIC
I	
IW	INDUSTRIAL WATER
INV	INVERTER
IRUPS	IN ROW UNINTERRUPTIBLE POWER SUPPLY
J	
K	
KW	KILOWATT
L	
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
LBSB	LOAD BANK SWITCH BOARD
LD	LEAK DETECTION
M	
MAX	MAXIMUM
MIN	MINIMUM
MGR	MANAGER
MSB	MAIN SWITCH BOARD
MSG	MAIN SWITCH GEAR
MSTP	MASTER SLAVE TOKEN PASSING
MUA	MAKE UP AIR UNIT
MVS	MEDIUM VOLTAGE SWITCHGEAR
N	
NC	NORMALLY CLOSED (DAMPER/VALVE)
NO	NORMALLY OPEN (DAMPER/VALVE)
O	
OA	OUTSIDE AIR
OAD	OUTSIDE AIR DAMPER
OFCI	OWNER FURNISHED - CONTRACTOR INSTALLED
OS	OPERATING SYSTEM
P	
PCP	DIGITAL PLANT CONTROL PROCESSORS
POS	PRIMARY OPERATOR STATION
POT	PORTABLE OPERATORS TERMINAL
PI	PRESSURE INDEPENDANT
PID	PROPORTIONAL, INTEGRAL, DERIVATIVE
PSI	POUNDS PER SQUARE INCH
PLC	PROGRAMMABLE LOGIC CONTROLLER
P	PUMP
PDU	POWER DISTRIBUTION UNIT
PEF	PENTHOUSE EXHAUST FAN
PNL	PANEL (BMS)
PNLMA	MANAGER PANEL (PRIMARY)
PNLMB	MANAGER PANEL (REDUNDANT)
Q	
R	
RAD	RETURN AIR DAMPER
RPP	REMOTE POWER PANEL
RTU	ROOFTOP UNIT
RA	RETURN AIR
RF	RELIEF FAN
RAP	REMOTE ACCESS PANEL
S	
SA	SUPPLY AIR
SB	SWITCH BOARD
SCADA	SUPERVISORY CONTROL AND DATA ACQUISITION
SF	SUPPLY FAN
ST	STORAGE TANK
STC	STATIC TRANSFER CABINET
T	
TDR	TIME DELAY RELAY
TEC	TERMINAL EQUIPMENT CONTROLLERS
TP	TIME PROGRAMS
U	
UATS	UNINTERRUPTIBLE AUTOMATIC TRANSFER SWITCH
UH	UNIT HEATER
UPS	UNINTERRUPTIBLE POWER SUPPLY
UP	ULTRAVIOLET FILTER
V	
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
W	
WS	WATER SOFTENER
WTF	WATER TREATMENT SKID SAND FILTER
WTP	WATER TREATMENT SKID PUMP
WB	WET BULB
X	
Y	
Z	

GENERAL NOTES

A. THIS IS A STANDARD LEGEND SHEET. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT ON THE PROJECT DRAWINGS.

B. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL CODES, LAWS, RULES, AND REGULATIONS OF ALL NATIONAL, STATE, COUNTY, AND LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PREMISES. THIS SHOULD INCLUDE, BUT NOT BE LIMITED TO, THE LATEST ADOPTED VERSION OF THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL ENERGY CONSERVATION CODE, AND THE NATIONAL FIRE PROTECTION ASSOCIATION. IN CASE OF DIFFERENCES, THE MOST RESTRICTIVE OF SAID REGULATIONS SHALL GOVERN. HOWEVER, THIS SHALL NOT BE CONSTRUED TO RELIEVE THIS CONTRACTOR FROM COMPLYING WITH REQUIREMENTS OF THE PLANS AND SPECIFICATIONS WHICH MAY BE IN EXCESS OF CODE REQUIREMENTS.

C. TO OBTAIN ALL CONSTRUCTION INFORMATION, ALL SPECIFICATIONS AND DRAWINGS (E.G. STRUCTURAL, ARCHITECTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, CONTROLS, TECHNOLOGY, SECURITY, AUDIO VISUAL) MUST BE USED.

D. DRAWINGS ARE SCHEMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUTING OF SERVICES WITH EXISTING CONDITIONS AND WITH OTHER TRADES.

E. BRING TO THE ATTENTION OF THE ARCHITECT/ENGINEER ANY INFORMATIONAL CONFLICTS WITHIN THE SPECIFICATIONS AND DRAWINGS. THE CONTRACTOR(S) SHALL NOT PROCEED WITH ANY WORK, EXCEPT AT ITS OWN RISK, UNTIL ALL CONFLICTS ARE RESOLVED, AND THE CLARIFYING INFORMATION IS ISSUED TO THE CONTRACTOR(S) BY THE ARCHITECT/ENGINEER.

F. INSTALL ALL EQUIPMENT LEVEL AND PLUMB. PROVIDE BLOCKING AND HARDWARE AS REQUIRED.

G. VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION OF WORK. PROVIDE TRANSITIONS AND MAKE FINAL CONNECTIONS TO EQUIPMENT, UNLESS OTHERWISE INDICATED.

H. INSTALL ALL EQUIPMENT REQUIRING PERIODIC SERVICE NOT LESS THAN 10 FEET FROM ROOF EDGE OR OPENING, UNLESS PROTECTIVE RAILING OR PARAPET OF 42 INCHES AFF. HAS BEEN PROVIDED. VERIFY WITH OTHER TRADES TO CONFIRM IF PROTECTIVE RAILING OR PARAPET OF 42 INCHES AFF. IS PROVIDED.

I. CONCENTRATE LOADS AT JOIST AND/OR BEAM LOCATION. WHERE CONCENTRATED LOADS DUE TO EQUIPMENT, RISERS, OR SPECIAL DUCT CONSTRUCTION OCCUR AT OTHER LOCATIONS, PROVIDE ADDITIONAL SUPPORT FRAMING AND/OR ANGLE BRACING.

J. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY AND ADJUST PER SITE CONDITIONS.

K. REFER TO ARCHITECTURAL GENERAL INFORMATION SHEETS FOR MOUNTING HEIGHTS OF DEVICES. WHERE THIS INFORMATION IS NOT PROVIDED, MOUNT ROOM THERMOSTATS AT 48 INCHES AFF. AND OCCUPANCY SENSORS AT 84 INCHES AFF. UNLESS OTHERWISE INDICATED.

L. COORDINATE ALL WALL MOUNTED DEVICES SUCH AS THERMOSTATS AND CONTROL PANELS WITH ARCHITECTURAL INTERIOR ELEVATIONS.

M. SITE NAME AND BUILDING NAME IS TYPICAL FOR ALL EQUIPMENT IN THIS PACKAGE, AND HAS BEEN OMITTED FROM SOME OF THE EQUIPMENT TAGS. FOR THE PURPOSE OF FACILITY NAMING STANDARDS, ALL EQUIPMENT SHOWN IN THESE DRAWINGS ARE IMPLIED TO HAVE THE PREFIX " {SITE}_{BUILDING}_ ".

PHASING NOTES

ALL SCOPE ITEMS SHOWN HALFTONE ARE INTENDED FOR FUTURE PHASES AND ARE SHOWN FOR INFORMATION AND COORDINATION ONLY.

CONTROLS SHEET LIST

SHEET NO.	SHEET NAME	01.23.2026 - DESIGN DEVELOPMENT
IC00-00	CONTROLS LEGEND AND ABBREVIATIONS	•
IC01-01	CONTROLS RISER DIAGRAM - LEVEL 1 - DATA HALL 1	•
IC01-02	CONTROLS RISER DIAGRAM - LEVEL 1 - DATA HALL 2	•
IC01-03	CONTROLS RISER DIAGRAM - LEVEL 1 - DATA HALL 3	•
IC01-04	CONTROLS RISER DIAGRAM - LEVEL 1 - DATA HALL 4	•
IC01-05	CONTROLS RISER DIAGRAM - LEVEL 1 - DATA HALL 5	•
IC01-06	CONTROLS RISER DIAGRAM - LEVEL 1 - DATA HALL 6	•
IC01-07	CONTROLS RISER DIAGRAM - LEVEL 2 - DATA HALL 7	•
IC01-08	CONTROLS RISER DIAGRAM - LEVEL 2 - DATA HALL 8	•
IC01-09	CONTROLS RISER DIAGRAM - LEVEL 2 - DATA HALL 9	•
IC01-10	CONTROLS RISER DIAGRAM - LEVEL 2 - DATA HALL 10	•
IC01-11	CONTROLS RISER DIAGRAM - LEVEL 2 - DATA HALL 11	•
IC01-12	CONTROLS RISER DIAGRAM - LEVEL 2 - DATA HALL 12	•
IC01-13	CONTROLS RISER DIAGRAM - ROOF EQUIPMENT - CHW PLANT 1-7	•
IC01-14	CONTROLS RISER DIAGRAM - ROOF EQUIPMENT - CHW PLANT 2-8	•
IC01-15	CONTROLS RISER DIAGRAM - ROOF EQUIPMENT - CHW PLANT 3-9	•
IC01-16	CONTROLS RISER DIAGRAM - ROOF EQUIPMENT - CHW PLANT 4-10	•
IC01-17	CONTROLS RISER DIAGRAM - ROOF EQUIPMENT - CHW PLANT 5-11	•
IC01-18	CONTROLS RISER DIAGRAM - ROOF EQUIPMENT - CHW PLANT 6-12	•
IC01-19	CONTROLS RISER DIAGRAM - LEVEL 1 - ADMIN	•
IC02-01	LEVEL 1 - CONTROLS PLAN - OVERALL	•
IC02-01A	LEVEL 1 - CONTROLS PLAN - SEGMENT A	•
IC02-01B	LEVEL 1 - CONTROLS PLAN - SEGMENT B	•
IC02-01C	LEVEL 1 - CONTROLS PLAN - SEGMENT C	•
IC02-01D	LEVEL 1 - CONTROLS PLAN - SEGMENT D	•
IC02-01E	LEVEL 1 - CONTROLS PLAN - SEGMENT E	•
IC02-01F	LEVEL 1 - CONTROLS PLAN - SEGMENT F	•
IC02-01G	LEVEL 1 - CONTROLS PLAN - SEGMENT G	•
IC02-01H	LEVEL 1 - CONTROLS PLAN - SEGMENT H	•
IC02-01J	LEVEL 1 - CONTROLS PLAN - SEGMENT J	•
IC02-01K	LEVEL 1 - CONTROLS PLAN - SEGMENT K	•
IC02-01L	LEVEL 1 - CONTROLS PLAN - SEGMENT L	•
IC02-01M	LEVEL 1 - CONTROLS PLAN - SEGMENT M	•
IC02-01N	LEVEL 1 - CONTROLS PLAN - SEGMENT N	•
IC02-01P	LEVEL 1 - CONTROLS PLAN - SEGMENT P	•
IC02-02	LEVEL 2 - CONTROLS PLAN - OVERALL	•
IC02-02A	LEVEL 2 - CONTROLS PLAN - SEGMENT A	•
IC02-02B	LEVEL 2 - CONTROLS PLAN - SEGMENT B	•
IC02-02C	LEVEL 2 - CONTROLS PLAN - SEGMENT C	•
IC02-02D	LEVEL 2 - CONTROLS PLAN - SEGMENT D	•
IC02-02E	LEVEL 2 - CONTROLS PLAN - SEGMENT E	•
IC02-02F	LEVEL 2 - CONTROLS PLAN - SEGMENT F	•
IC02-02G	LEVEL 2 - CONTROLS PLAN - SEGMENT G	•
IC02-02H	LEVEL 2 - CONTROLS PLAN - SEGMENT H	•
IC02-04	ROOF EQUIPMENT - CONTROLS PLAN - OVERALL	•
IC02-04B	ROOF EQUIPMENT - CONTROLS PLAN - SEGMENT B	•
IC02-04C	ROOF EQUIPMENT - CONTROLS PLAN - SEGMENT C	•
IC02-04D	ROOF EQUIPMENT - CONTROLS PLAN - SEGMENT D	•
IC02-04E	ROOF EQUIPMENT - CONTROLS PLAN - SEGMENT E	•
IC02-04F	ROOF EQUIPMENT - CONTROLS PLAN - SEGMENT F	•
IC02-04G	ROOF EQUIPMENT - CONTROLS PLAN - SEGMENT G	•
IC02-04H	ROOF EQUIPMENT - CONTROLS PLAN - SEGMENT H	•
IC05-01	CONTROLS DETAILS	•
IC05-02	CONTROLS DETAILS	•
IC05-03	CONTROLS DETAILS	•
TOTAL: 55		

serverfarm
CORGAN
TGRWA STRUCTURAL ENGINEERS
kW Mission Critical Engineering Member of WSP
EP ENGINEERING PLUS
Kimley»Horn

ISSUES		
1	01.23.2026	DESIGN DEVELOPMENT

REVISIONS

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Engineer:
License #: Exp. Date:

NOT FOR CONSTRUCTION

Date: 01/23/2026

SF - ARK01
DESIGN DEVELOPMENT

CLARKSVILLE, AR 72830

CONTROLS LEGEND AND ABBREVIATIONS

JOB US0049903.5614
SHEET

IC00-00