

EQUIPMENT CONTROL FUNCTIONS

EQUIPMENT	CONTROL FUNCTION	BSD SYMBOL	DI	DO	AI	AO	ALARM
ASU-1, ASU-2 (2 UNITS TOTAL)	SPACE TEMPERATURE	ZN-T			X		X
	HIGH TEMPERATURE ALARM						X
	LOW TEMPERATURE ALARM						X
	DISCHARGE AIR TEMPERATURE	DA-T			X		
	SMOKE DETECTOR ALARM	SA-SMK	X				
	SMOKE DETECTOR ACTIVATED	SF-O		X			X
	SUPPLY FAN START / STOP	SF-C	X				
	SUPPLY FAN STATUS						X
	RUN STATUS						
	SUPPLY FAN SPEED	SF-S				X	
	OUTSIDE AIR DAMPER POSITION	DPR-O				X	
	MIN. OSA AIR DAMPER POSITION	DPR-O		X			
	RETURN AIR DAMPER POSITION	DPR-O				X	
	EXHAUST AIR DAMPER POSITION	DPR-O				X	
ASU-1 ONLY	RETURN FAN START / STOP	SF-O		X			
	RETURN FAN STATUS	SF-C	X				
	RUN STATUS						X
	RETURN FAN SPEED	SF-S				X	
	CO2 SENSOR	CO2-LVL			X		
	HIGH CO2 LEVEL						X
	SMOKE DETECTOR ALARM	RA-SMK	X				
	SMOKE DETECTOR ACTIVATED						X
SF-1 / RF-1	SPACE TEMPERATURE	ZN-T			X		X
	HIGH TEMPERATURE ALARM						X
	LOW TEMPERATURE ALARM						X
	CO2 SENSOR	CO2-LVL			X		
	HIGH CO2 LEVEL						X
	DISCHARGE AIR TEMPERATURE	DA-T			X		
	SMOKE DETECTOR ALARM	SA-SMK	X				
	SMOKE DETECTOR ACTIVATED	SF-O		X			X
	SUPPLY FAN START / STOP	SF-C	X				
	SUPPLY FAN STATUS						X
	RUN STATUS						
	SUPPLY FAN SPEED	SF-S				X	
	COOLING VALVE POSITION	CLG-O				X	
	DRAIN PAN OVERFLOW SWITCH		X				X
	HEATING VALVE POSITION	HTG-O				X	
	MIXED AIR LOW LIMIT (FREEZE)	MA-LL	X				X
	LOW TEMPERATURE						X
	OUTSIDE AIR DAMPER POSITION	DPR-O				X	
	RETURN AIR DAMPER POSITION	DPR-O				X	
	EXHAUST AIR DAMPER POSITION	DPR-O				X	
	RETURN FAN START / STOP	SF-O		X			
	RETURN FAN STATUS	SF-C	X				
	RUN STATUS						X
	RETURN FAN SPEED	SF-S				X	
	SMOKE DETECTOR ALARM	RA-SMK	X				
	SMOKE DETECTOR ACTIVATED						X
SF-2, SF-4 (2 UNITS TOTAL)	SPACE TEMPERATURE	ZN-T			X		X
	HIGH TEMPERATURE ALARM						X
	LOW TEMPERATURE ALARM						X
	DISCHARGE AIR TEMPERATURE	DA-T			X		
	SMOKE DETECTOR ALARM	SA-SMK	X				
	SMOKE DETECTOR ACTIVATED	SF-O		X			X
	SUPPLY FAN START / STOP	SF-C	X				
	SUPPLY FAN STATUS						X
	RUN STATUS						
	SUPPLY FAN SPEED	SF-S				X	
	COOLING VALVE POSITION	CLG-O				X	
	DRAIN PAN OVERFLOW SWITCH		X				X
	HEATING VALVE POSITION	HTG-O				X	
	MIXED AIR LOW LIMIT (FREEZE)	MA-LL	X				X
	LOW TEMPERATURE						X
	OUTSIDE AIR DAMPER POSITION	DPR-O				X	
	RETURN AIR DAMPER POSITION	DPR-O				X	
	CO2 SENSOR	CO2-LVL			X		
SF-7, SF-8 (2 UNITS TOTAL)	HIGH CO2 LEVEL						X
	SMOKE DETECTOR ALARM	RA-SMK	X				
	SMOKE DETECTOR ACTIVATED						X
	RELIEF AIR DAMPER POSITION	DPR-O		X			

EQUIPMENT	CONTROL FUNCTION	BSD SYMBOL	DI	DO	AI	AO	ALARM
SF-5, RF-3	SPACE TEMPERATURE	ZN-T			X		X
	HIGH TEMPERATURE ALARM						X
	LOW TEMPERATURE ALARM						X
	CO2 SENSOR	CO2-LVL			X		
	HIGH CO2 LEVEL						X
	DISCHARGE AIR TEMPERATURE	DA-T			X		
	SMOKE DETECTOR ALARM	SA-SMK	X				
	SMOKE DETECTOR ACTIVATED	SF-O		X			X
	SUPPLY FAN START / STOP	SF-C	X				
	SUPPLY FAN STATUS						X
	RUN STATUS						
	COOLING VALVE POSITION	CLG-O				X	
	DRAIN PAN OVERFLOW SWITCH		X				X
	HEATING VALVE POSITION	HTG-O				X	
	MIXED AIR LOW LIMIT (FREEZE)	MA-LL	X				X
	LOW TEMPERATURE						X
	OUTSIDE AIR DAMPER POSITION	DPR-O				X	
	EXHAUST AIR DAMPER POSITION	DPR-O				X	
SF-6	RETURN FAN START / STOP	SF-O		X			
	RETURN FAN STATUS	SF-C	X				
	RUN STATUS						X
	COOLING VALVE POSITION	CLG-O				X	
	DRAIN PAN OVERFLOW SWITCH		X				X
	HEATING VALVE POSITION	HTG-O				X	
	MIXED AIR LOW LIMIT (FREEZE)	MA-LL	X				X
	LOW TEMPERATURE						X
	OUTSIDE AIR DAMPER POSITION	DPR-O				X	
	RETURN AIR DAMPER POSITION	DPR-O				X	
	CO2 SENSOR	CO2-LVL			X		
	HIGH CO2 LEVEL						X
	SMOKE DETECTOR ALARM	RA-SMK	X				
	SMOKE DETECTOR ACTIVATED						X
SF-7, SF-8 (2 UNITS TOTAL)	SPACE TEMPERATURE	ZN-T			X		X
	HIGH TEMPERATURE ALARM						X
	LOW TEMPERATURE ALARM						X
	DISCHARGE AIR TEMPERATURE	DA-T			X		
	SMOKE DETECTOR ALARM	SA-SMK	X				
	SMOKE DETECTOR ACTIVATED	SF-O		X			
	SUPPLY FAN START / STOP	SF-C	X				
	SUPPLY FAN STATUS						X
	RUN STATUS						
	HEATING VALVE POSITION	HTG-O					X

MECHANICAL EQUIPMENT SCHEDULE			
SYMBOL	DESCRIPTION	AREA SERVED	ELECTRICAL
<div><div></div><div>ASU-1</div></div>	AIR HANDLING UNIT - REPLACE SUPPLY AND RETURN FAN MOTORS WITH HIGH EFFICIENCY VFD COMPLIANT MOTORS AND ADD VARIABLE SPEED DRIVES TO BOTH FANS SUPPLY FAN: 8,030 CFM RETURN FAN: 7,830 CFM EEM #5	A-WING SOUTH	SUPPLY FAN 5 HP 208 V, 3 PH RETURN FAN 3 HP 208 V, 3 PH
<div><div></div><div>ASU-2</div></div>	AIR HANDLING UNIT - REPLACE SUPPLY AND RETURN FAN MOTORS WITH HIGH EFFICIENCY VFD COMPLIANT MOTORS AND ADD VARIABLE SPEED DRIVES TO BOTH FANS SUPPLY FAN: 10,650 CFM RETURN FAN: 9,450 CFM EEM #5	A-WING NORTH	SUPPLY FAN 7-1/2 HP 208 V, 3 PH RETURN FAN 3 HP 208 V, 3 PH
<div><div></div><div>SF-1</div><div>RF-1</div></div>	AIR HANDLING UNIT - REPLACE SUPPLY AND RETURN FAN MOTORS WITH HIGH EFFICIENCY VFD COMPLIANT MOTORS AND ADD VARIABLE SPEED DRIVES TO BOTH FANS SUPPLY FAN: 21,300 CFM RETURN FAN: 19,000 CFM EEM #3	C-WING	SUPPLY FAN 15 HP 208 V, 3 PH RETURN FAN 5 HP 208 V, 3 PH
<div><div></div><div>SF-2</div></div>	AIR HANDLING UNIT - REPLACE SUPPLY FAN MOTOR WITH HIGH EFFICIENCY VFD COMPLIANT MOTORS AND ADD VARIABLE SPEED DRIVES TO BOTH FANS SUPPLY FAN: 9,400 CFM EEM #3	B-WING GYM	SUPPLY FAN 5 HP 208 V, 3 PH
<div><div></div><div>SF-4</div></div>	AIR HANDLING UNIT - REPLACE SUPPLY FAN MOTOR WITH HIGH EFFICIENCY VFD COMPLIANT MOTORS AND ADD VARIABLE SPEED DRIVES TO BOTH FANS SUPPLY FAN: 4,200 CFM EEM #3	B-WING CAFETERIA	SUPPLY FAN 3 HP 208 V, 3 PH

NOTE - ALL PNEUMATIC VALVE ACTUATORS, DAMPER ACTUATORS AND ASSOCIATED PNEUMATIC DEVICES AND CONTROL POINTS ARE TO BE REPLACED WITH DDC CONTROL DEVICES / POINTS - COORDINATE WITH THE CONTROL SCHEMATIC DIAGRAMS

EQUIPMENT	CONTROL FUNCTION	BSD SYMBOL	DI	DO	AI	AO	ALARM
TERMINAL UNITS	SPACE TEMPERATURE	ZN-T			X		X
	HIGH SPACE TEMPERATURE						X
	LOW SPACE TEMPERATURE						X
	CO2 SENSOR	CO2-LVL			X		
	HIGH CO2 LEVEL						X
	SUPPLY AIR DAMPER POSITION	DPR-O				X	
HOT WATER CONVECTOR	SPACE TEMPERATURE	ZN-T			X		X
	HIGH SPACE TEMPERATURE						X
	LOW SPACE TEMPERATURE						X
ELECTRIC CONVECTOR	SPACE TEMPERATURE	ZN-T			X		X
	HIGH SPACE TEMPERATURE						X
	LOW SPACE TEMPERATURE						X
SPLIT SYSTEM	SPACE TEMPERATURE	ZN-T			X		X
	HIGH SPACE TEMPERATURE						X
	LOW SPACE TEMPERATURE						X
4 UNITS TOTAL	DISCHARGE AIR TEMPERATURE	DA-T			X		
	SYSTEM STATUS	SF-S	X				X
	RUN STATUS						
	SYSTEM FAN START / STOP	SF-C		X			X
	DRAIN PAN OVERFLOW SWITCH						
	4 UNITS TOTAL						
EXHAUST FAN -TIME SCHEDULE	EXHAUST FAN START / STOP	SF-C		X			
	EXHAUST FAN STATUS	SF-S	X				X
	RUN STATUS						
EXHAUST FAN -THERMOSTAT	SPACE TEMPERATURE	ZN-T			X		X
	HIGH SPACE TEMPERATURE						X
	EXHAUST FAN STATUS	SF-S	X				X
RUN STATUS							

ABBREVIATIONS

8Ø	ROUND DUCT DIAMETER, INCHES	OSA	OUTSIDE AIR
12X8	RECTANGULAR DUCT SIZE, INCHES	PLEN	PLENUM
M	MOTORIZED DAMPER	RA	RETURN AIR
DN	DOWN	SA	SUPPLY AIR
EA	EXHAUST AIR	TYP	TYPICAL
N.C.	NORMALLY CLOSED	W.C.	WATER COLUMN
N.O.	NORMALLY OPEN	MAV	MANUAL AIR VENT
OBD	OPPOSED BLADE DAMPER		

SYMBOLS

<div><div></div><div>A</div></div>	ABANDON	<div><div></div><div>P</div></div>	CAP OR PLUG
<div><div></div><div>C</div></div>	CONNECT TO EXISTING	<div><div></div><div>X</div></div>	REMOVE EXISTING
<div><div></div><div>E</div></div>	EXISTING TO REMAIN		

CONTROL SCHEMATIC LEGEND

GENERAL NOTE - PROVIDE ALL DEVICES AND POINTS REQUIRED IN ADDITION TO THOSE NOTED TO ACCOMPLISH THE SEQUENCE OF OPERATION NOTED IN THE SPECIFICATIONS

<div><div></div><div>M</div></div>	MOTORIZED DAMPER ACTUATOR	<div><div></div><div>T</div></div>	WALL SENSOR / THERMOSTAT
<div><div></div><div>D</div><div>I</div></div>	A / D - ANALOG / DIGITAL 1 / O - INPUT / OUTPUT	<div><div></div><div>T</div></div>	CEILING SENSOR / THERMOSTAT
<div><div></div><div>Ms</div></div>	MOTOR STARTER	<div><div></div><div>S</div></div>	DDC TEMPERATURE SENSOR
<div><div></div><div>R</div></div>	RELAY	<div><div></div><div>CV</div></div>	CONTROL VALVE
<div><div></div><div>Cl</div></div>	CURRENT TRANSFORMER	<div><div></div><div>MD</div></div>	MOTORIZED DAMPER
SF	SUPPLY FAN	<div><div></div><div>SEN</div></div>	SENSOR
RF	RETURN FAN	<div><div></div><div>SMK</div></div>	DUCT MOUNTED SMOKE DETECTOR
EF	EXHAUST FAN	<div><div></div><div>CO2</div></div>	CARBON DIOXIDE SENSOR

TERMINAL UNIT
SCHEDULE

SYMBOL	DESIGN AIR VOLUME (CFM)	DESIGN AIR MINIMUM VOLUME (CFM)
A-WING		
TU-1	1230	XXX
TU-2	670	XXX
TU-3	1750	XXX
TU-4	580	XXX
TU-5	830	XXX
TU-6	1750	XXX
TU-7	580	XXX
TU-8	1230	XXX
TU-C1	1100	XXX
TU-D2	1025	XXX
TU-B3	470	XXX
TU-C4	825	XXX
TU-B5	490	XXX
TU-D6	980	XXX
TU-D7	910	XXX

TERMINAL UNIT
SCHEDULE

SYMBOL	DESIGN AIR VOLUME (CFM)	DESIGN AIR MINIMUM VOLUME (CFM)
A-WING		
TU-C8	UNIT DELETED	
TU-C9	740	XXX
TU-B10	580	XXX
TU-D11	1100	XXX
TU-D12	1160	XXX
TU-B13	580	XXX
TU-D14	1100	XXX
C-WING		
TU-1 2 TOTAL	1500	XXX
TU-2 2 TOTAL	1000	XXX

NOTES

ALL TERMINAL UNITS ARE EXISTING

ALL PNEUMATIC VALVE ACTUATORS, DAMPER ACTUATORS AND ASSOCIATED PNEUMATIC DEVICES AND CONTROL POINTS ARE TO BE REPLACED WITH DDC CONTROL DEVICES / POINTS - COORDINATE WITH THE CONTROL SCHEMATIC DIAGRAMS

① VERIFY AT SITE

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13800 SW BROCKMAN STREET, BEAVERTON, OR 97007

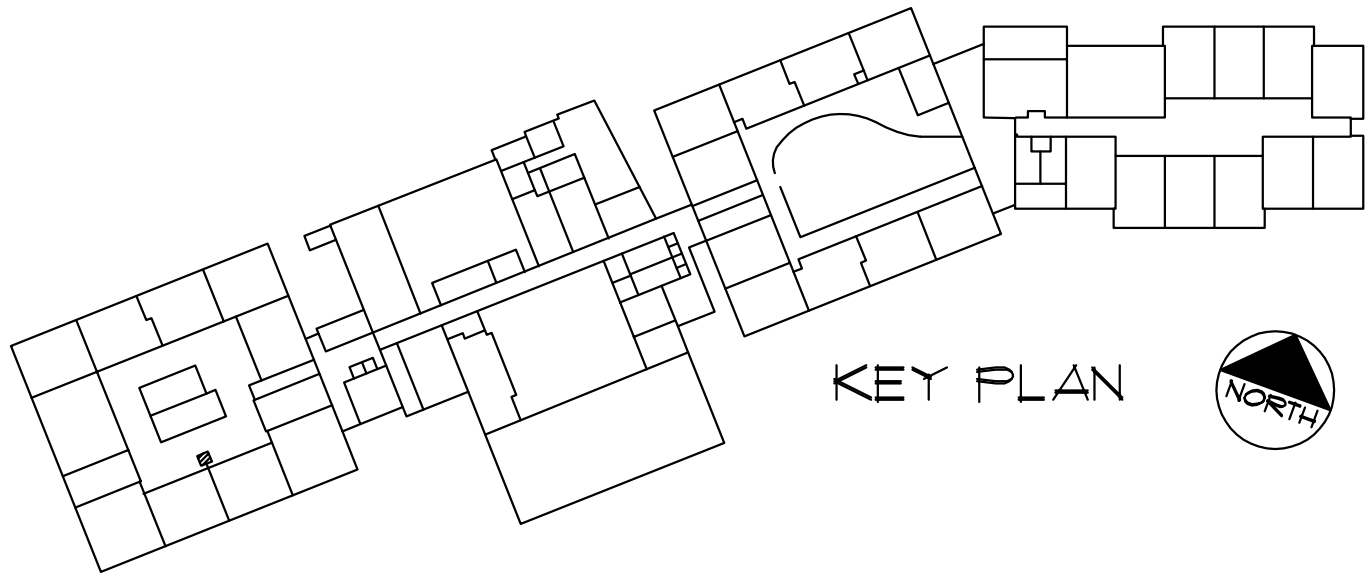
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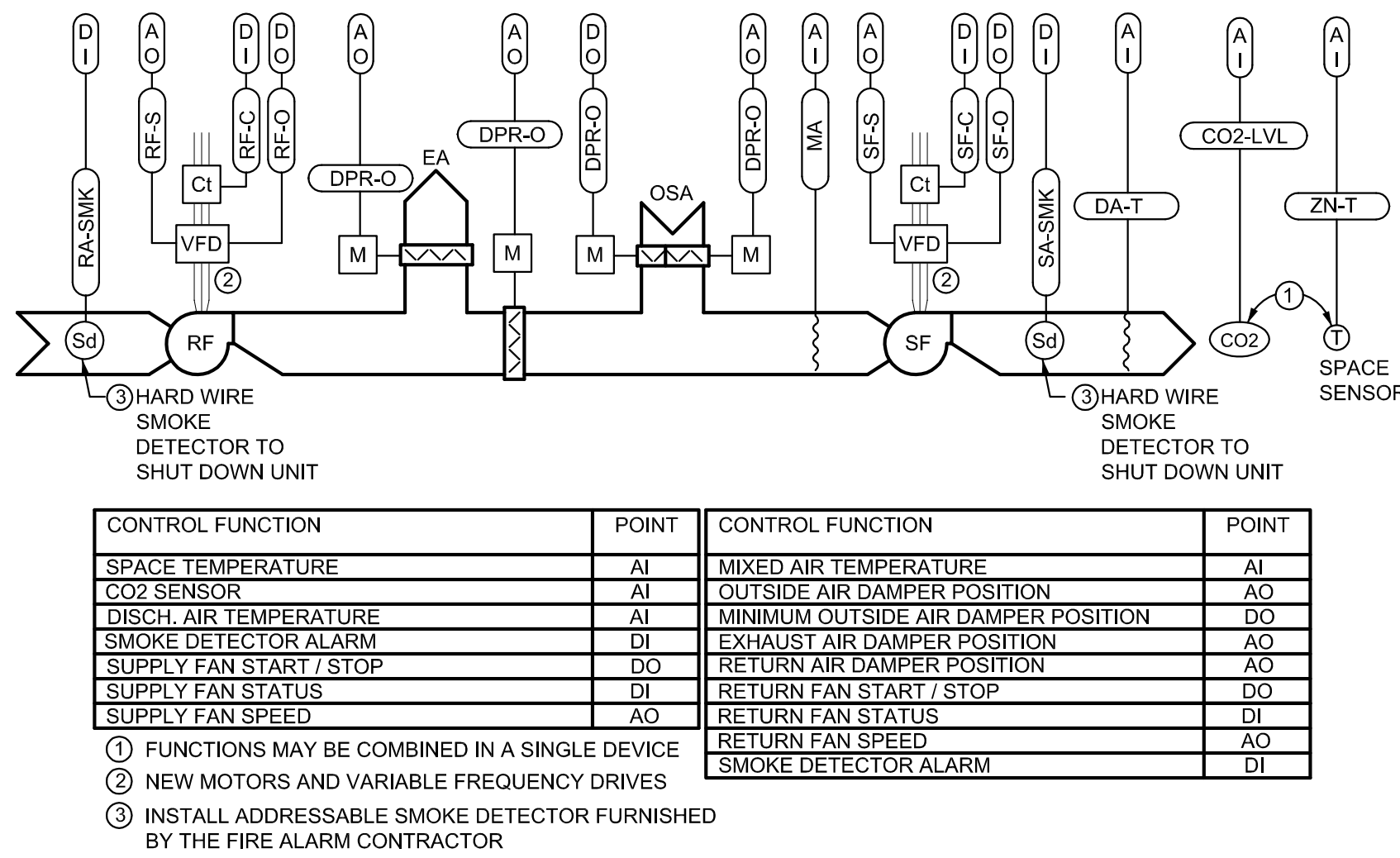
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DETAILS AND
CONTROLS

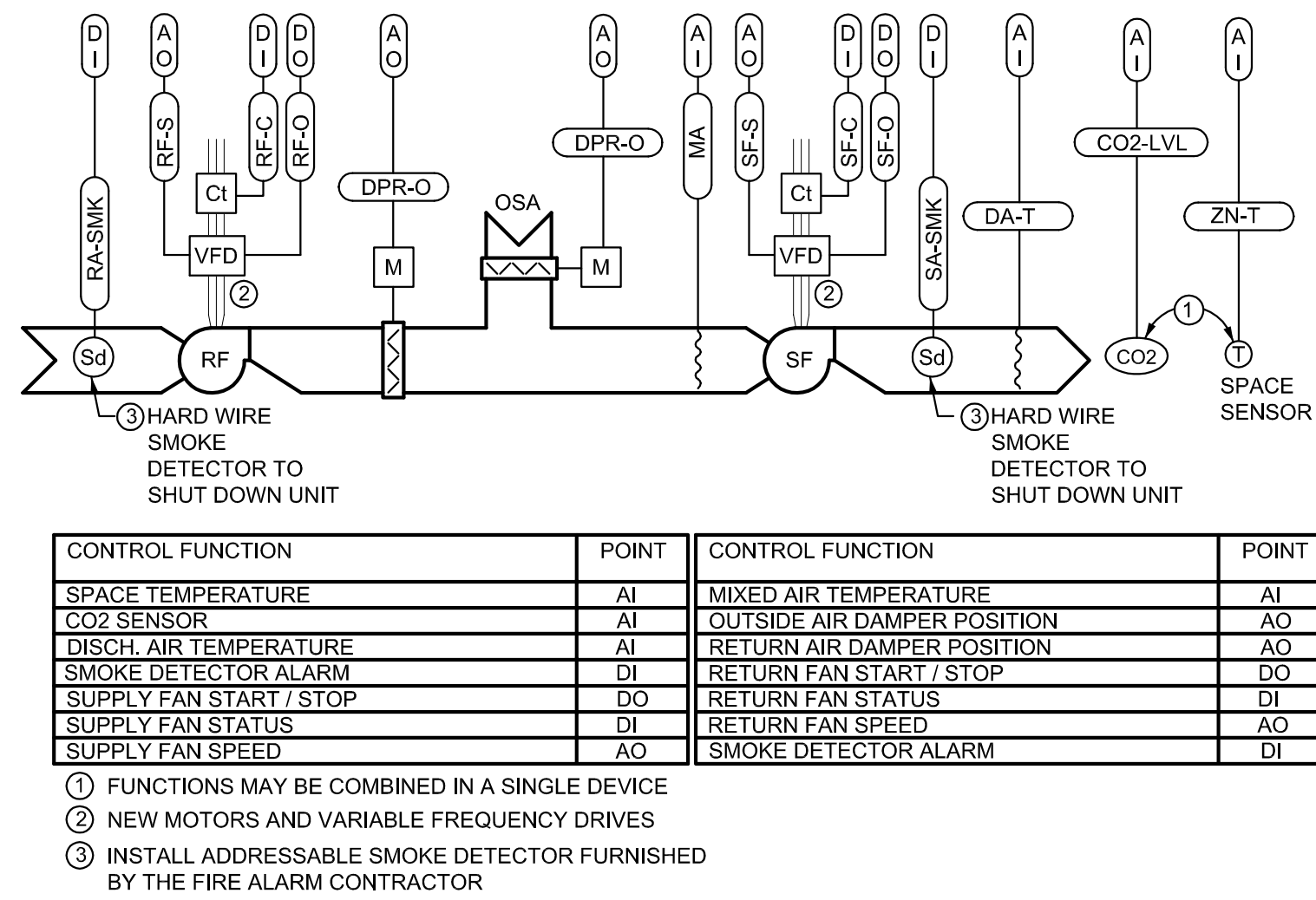
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M1.00
CONSTRUCTION
DEVELOPMENT

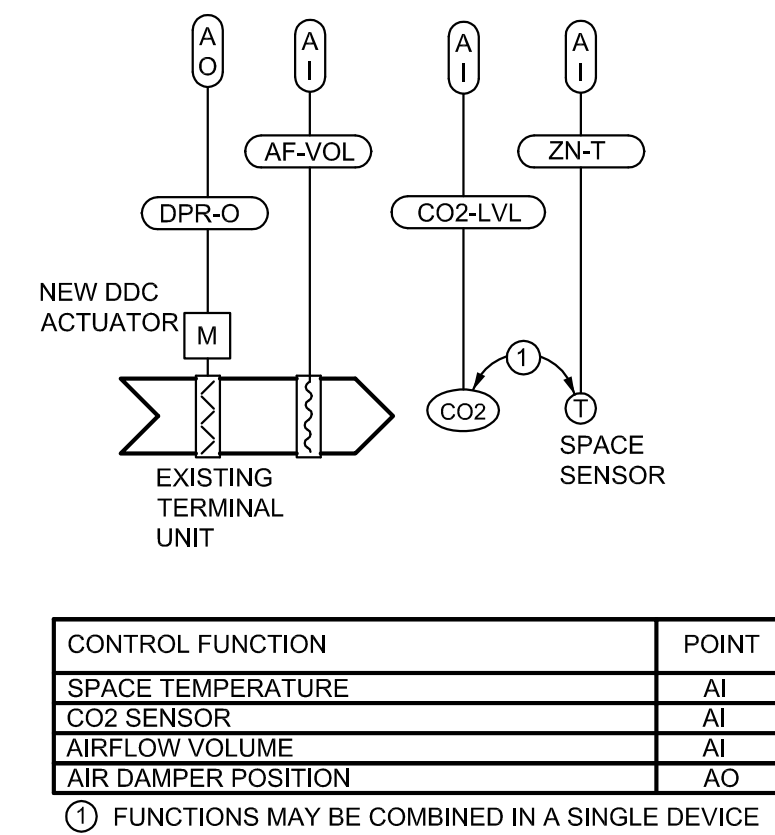




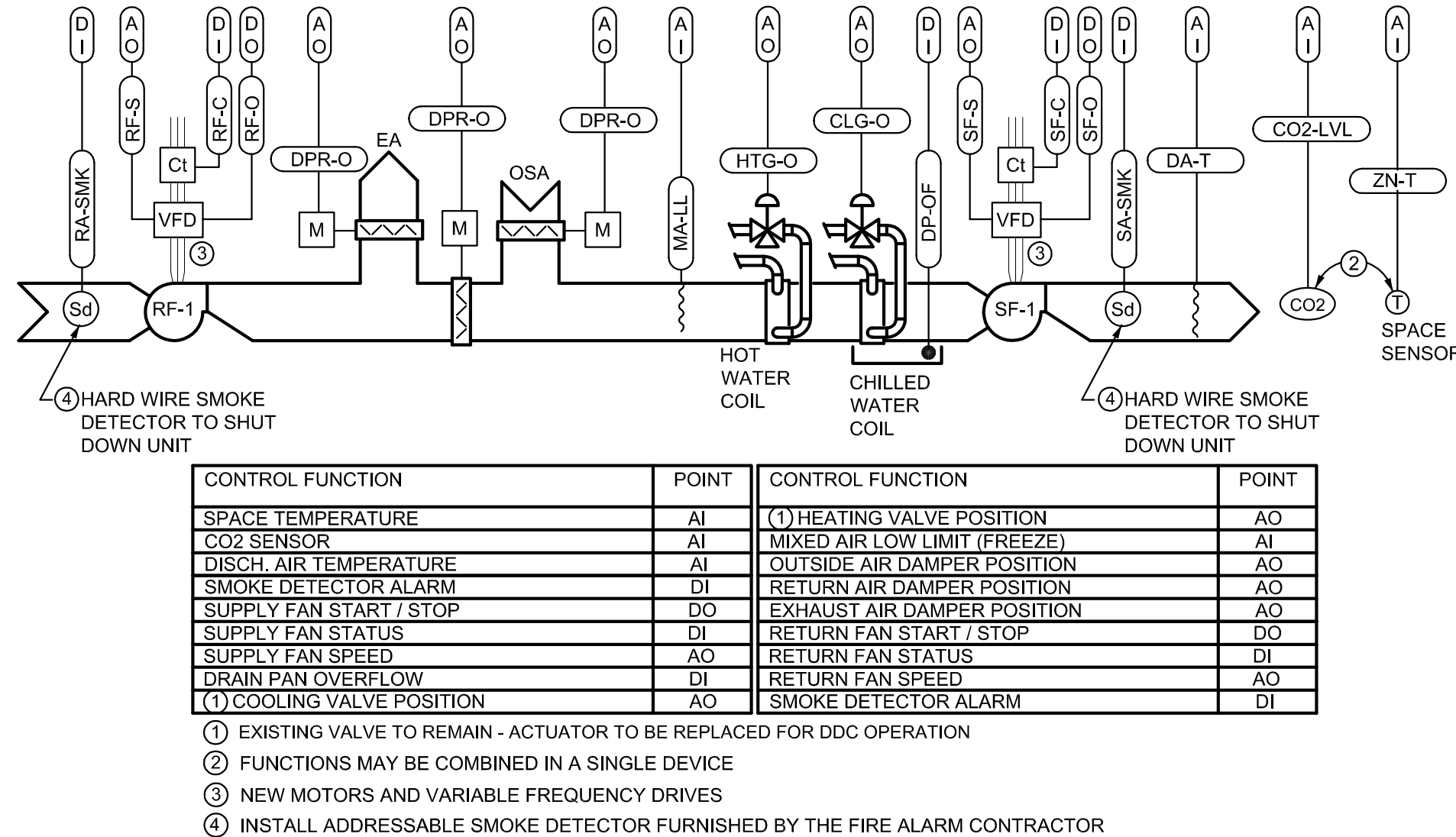
1 ASU-1 CONTROL SCHEMATIC
M1.01 DIAGRAMMATIC



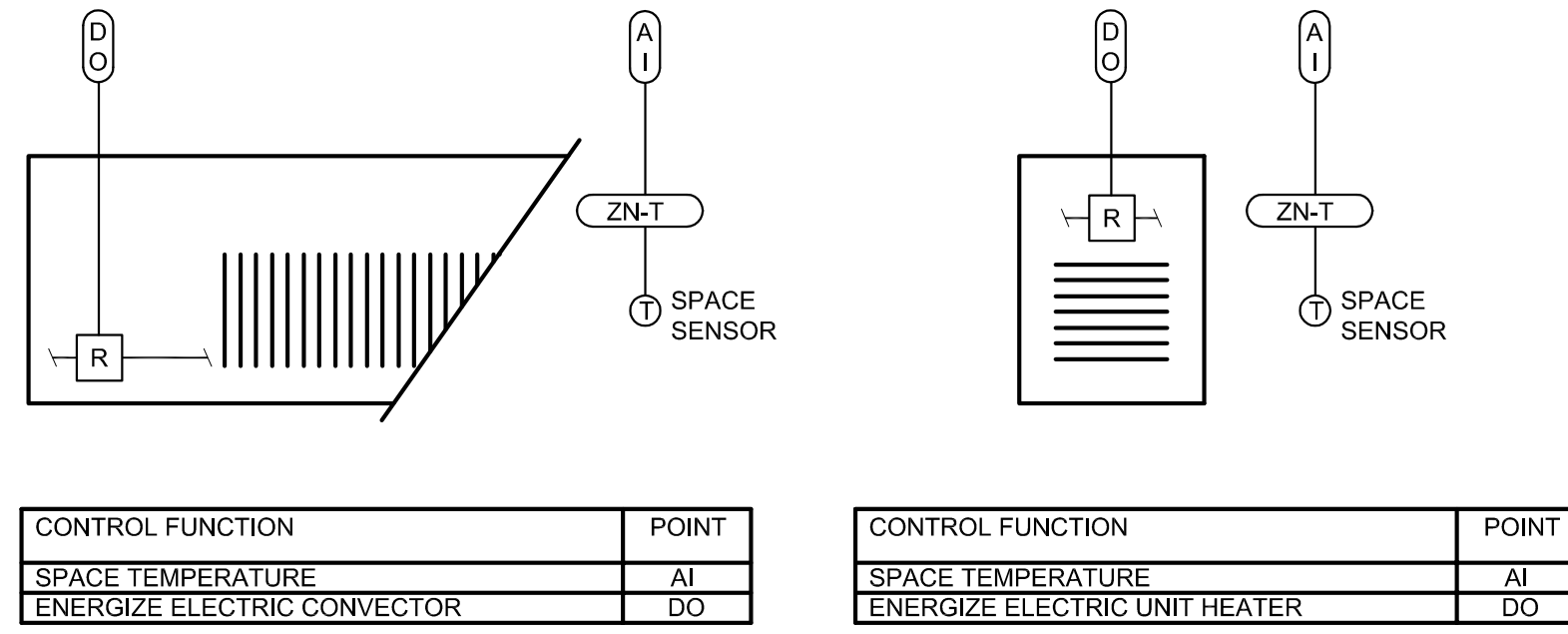
2 ASU-2 CONTROL SCHEMATIC
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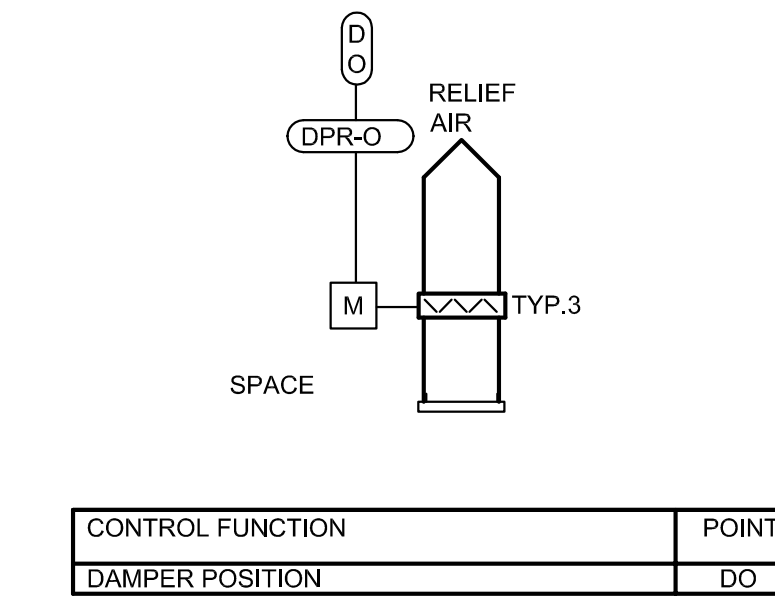
3 VAV TERMINAL UNIT CONTROL SCHEMATIC
M1.01 DIAGRAMMATIC TYPICAL FOR EXISTING TERMINAL UNITS



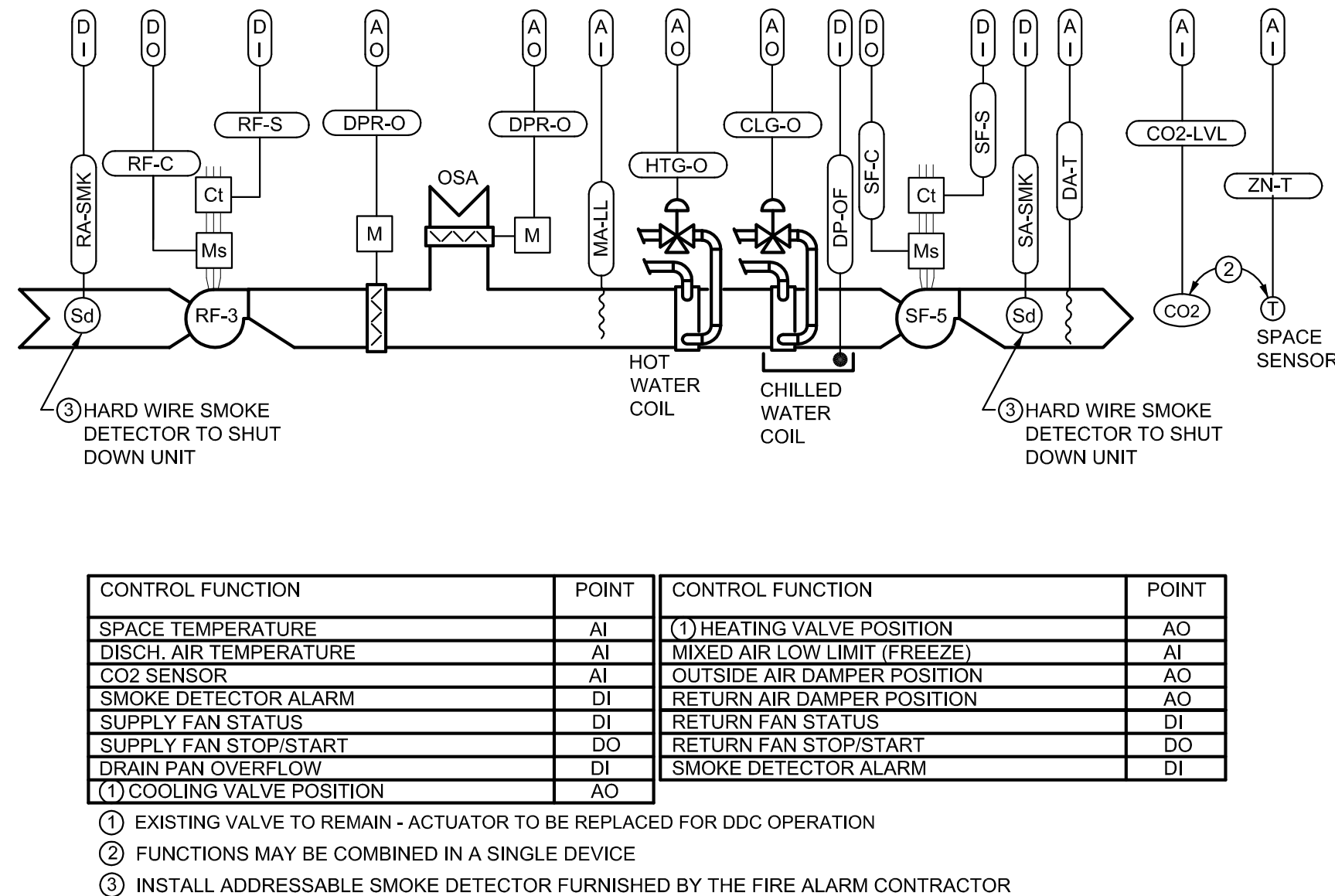
4 SF-1, RF-1 (CLASSROOMS) CONTROL SCHEMATIC
M1.01 DIAGRAMMATIC



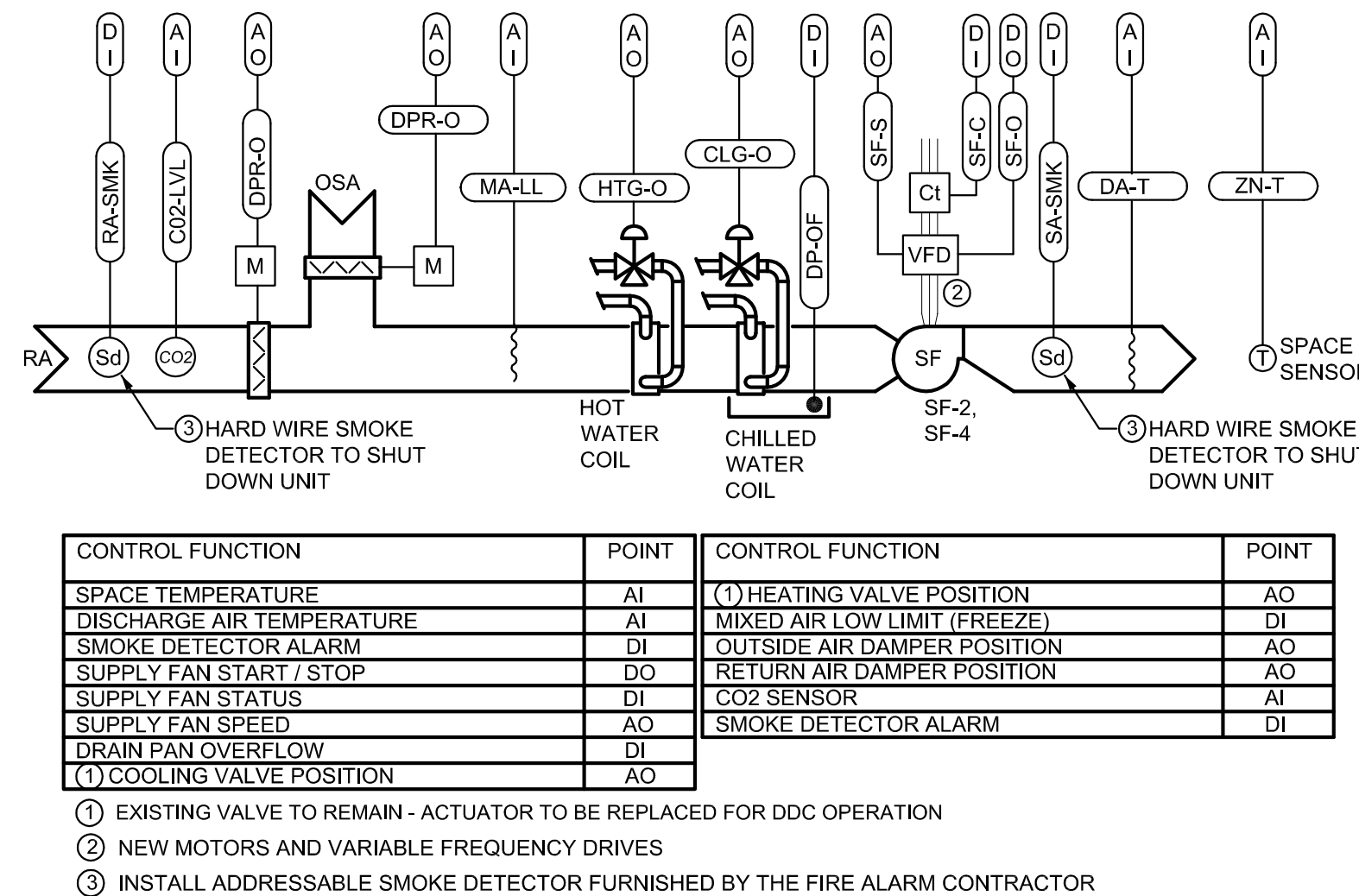
5 ELECTRIC CONVECTOR / UNIT HEATER CONTROL SCHEMATIC
M1.01 DIAGRAMMATIC TYPICAL - ALL ELECTRIC BASEBOARD / CONVECTORS / UNIT HEATERS



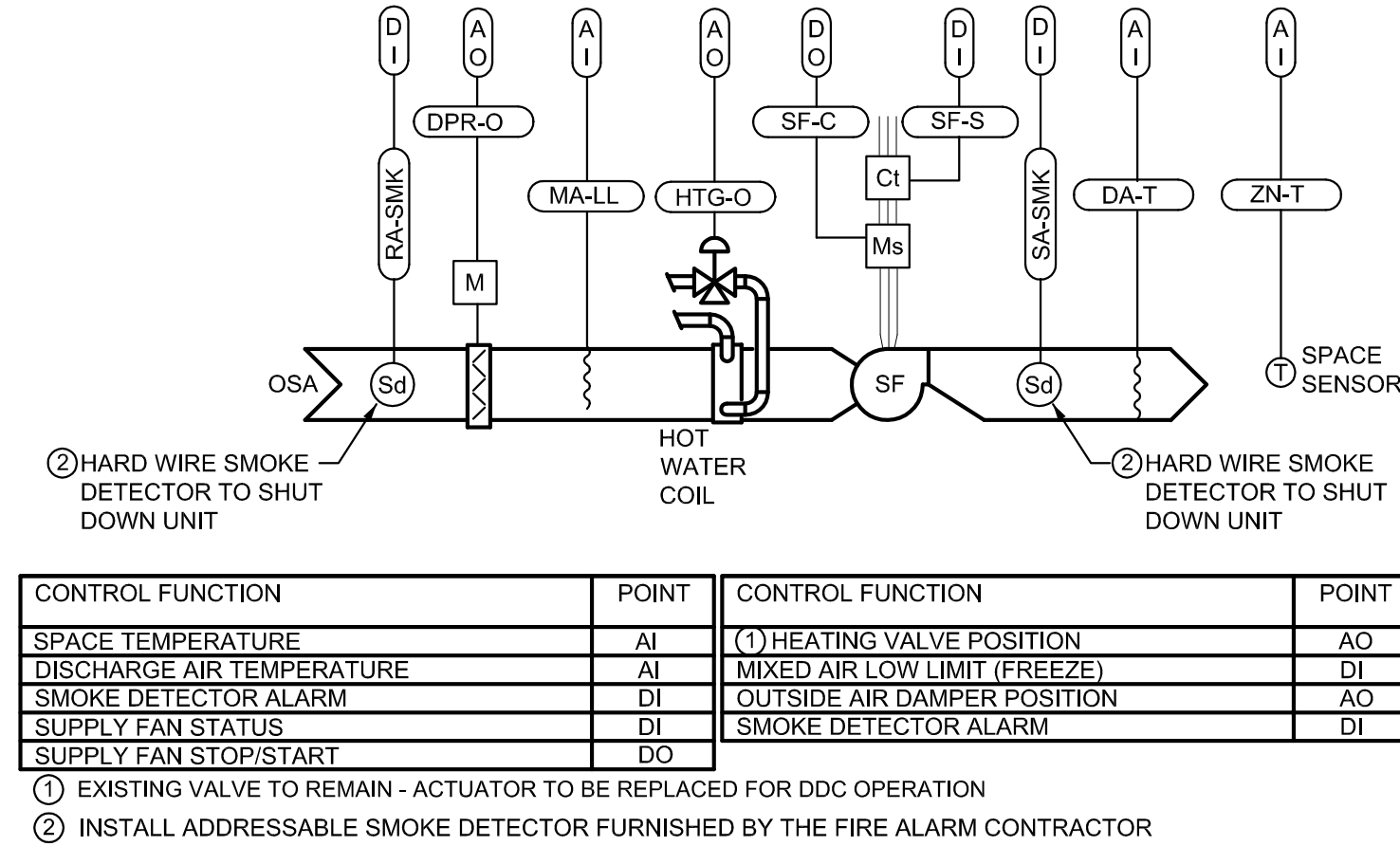
6 ROOF RELIEF VENT CONTROL SCHEMATIC
M1.01 DIAGRAMMATIC



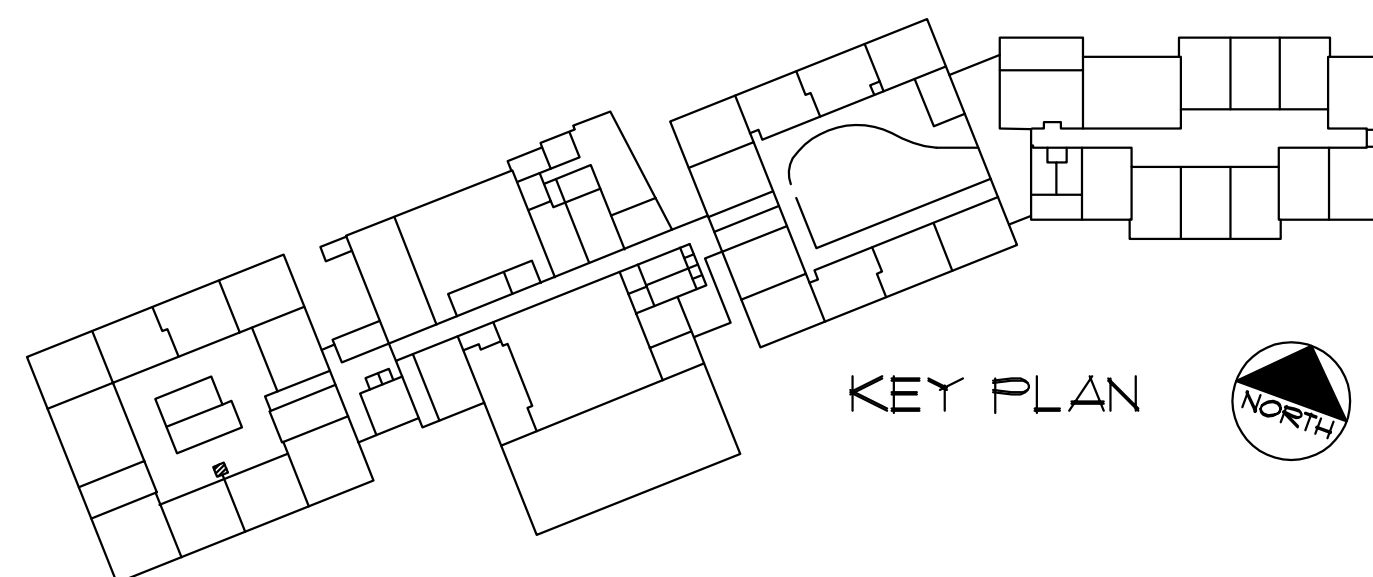
7 SF-5, RF-3 (MUSIC ROOM) CONTROL SCHEMATIC
M1.01 DIAGRAMMATIC

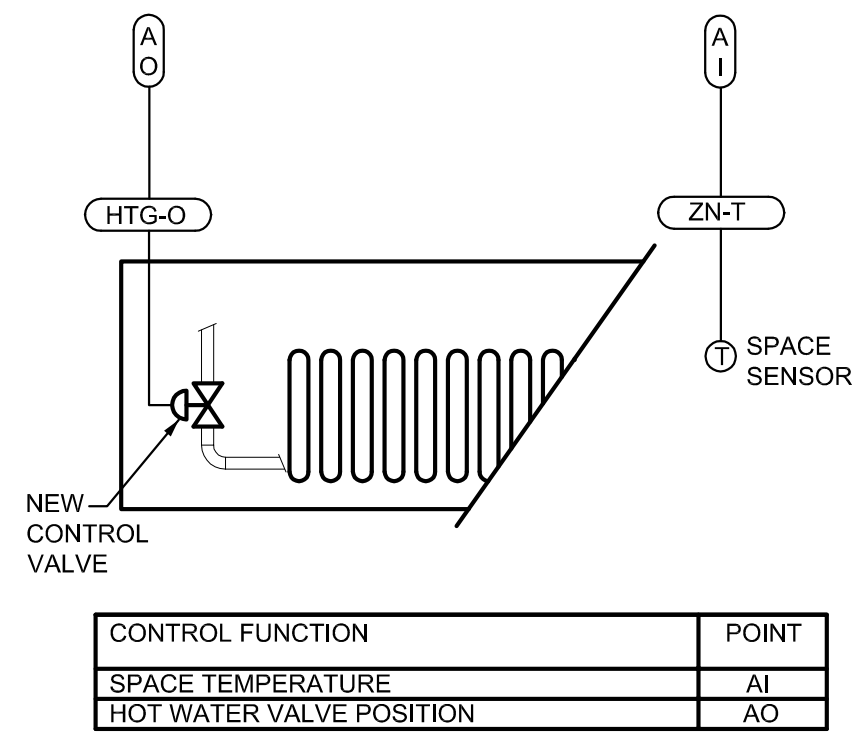


8 SF-2 (GYMNASIUM), SF-4 CAFETERIA) CONTROL SCHEMATIC
M1.01 DIAGRAMMATIC



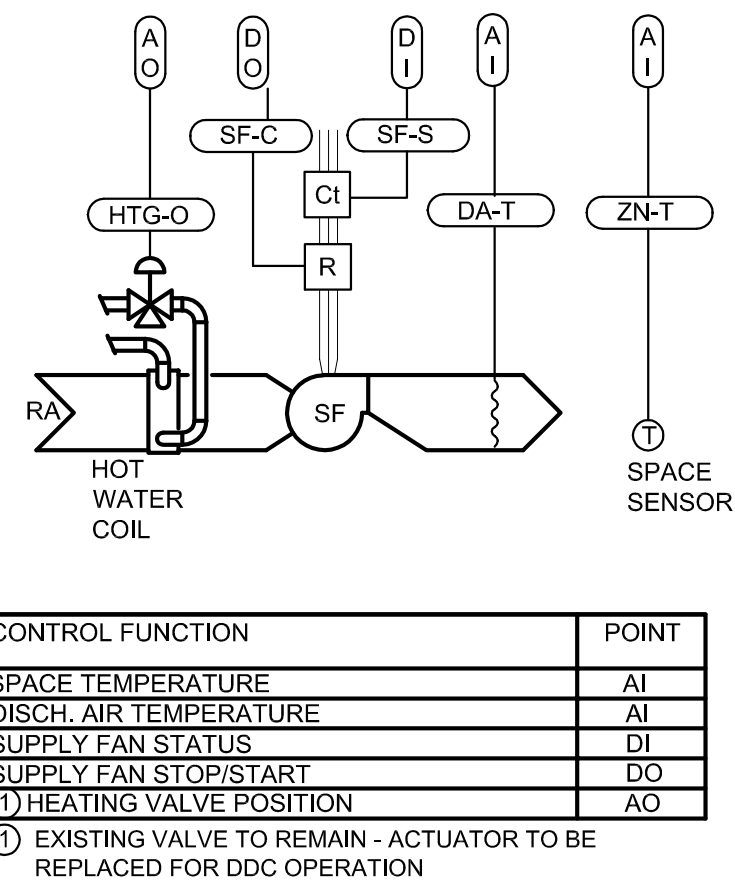
9 SF-6 (KITCHEN) CONTROL SCHEMATIC
M1.01 DIAGRAMMATIC



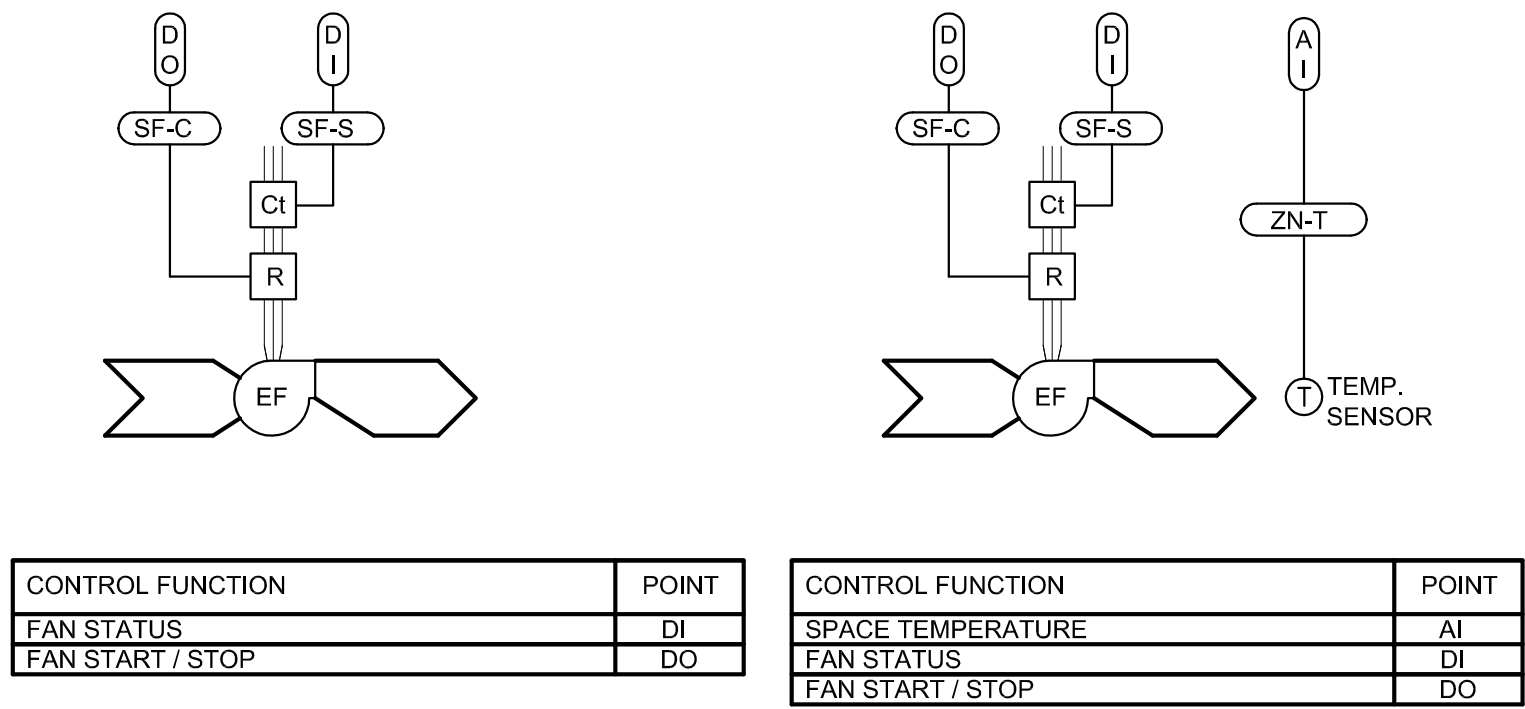


EXISTING CONTROL VALVES:
POWERS MODEL 1L2BS
9 POUND SPRING
1/2 INCH NPT STRAIGHT

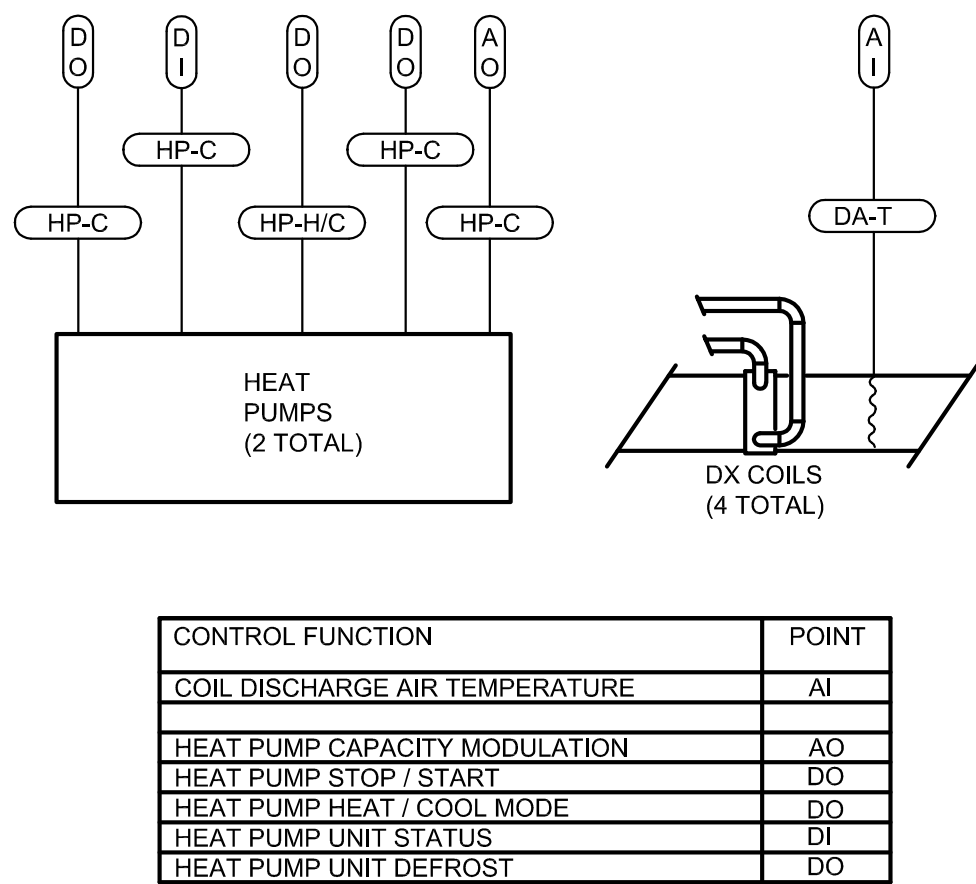
1
M1.02
HOT WATER CONVECTOR CONTROL SCHEMATIC
DIAGRAMMATIC
TYPICAL - ALL HOT WATER CONVECTORS / FIN PIPE



2
M1.02
SF-7 (BOYS2), SF-8 (GIRLS2) CONTROL SCHEMATIC
DIAGRAMMATIC



3
M1.02
EXHAUST FAN CONTROL SCHEMATICS
DIAGRAMMATIC



4
M1.02
HEAT PUMP / COIL CONTROL SCHEMATIC
DIAGRAMMATIC
TYPICAL HEAT PUMP / DX COILS

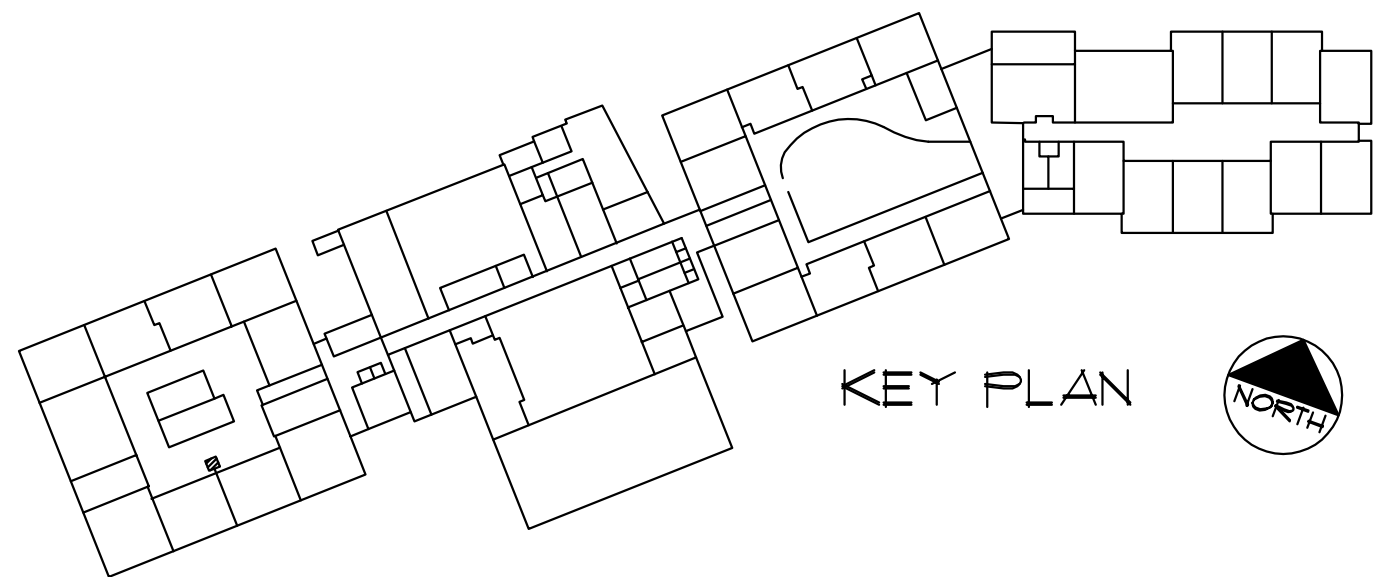
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MECHANICAL
SCHEDULE,
DETAILS AND
CONTROLS

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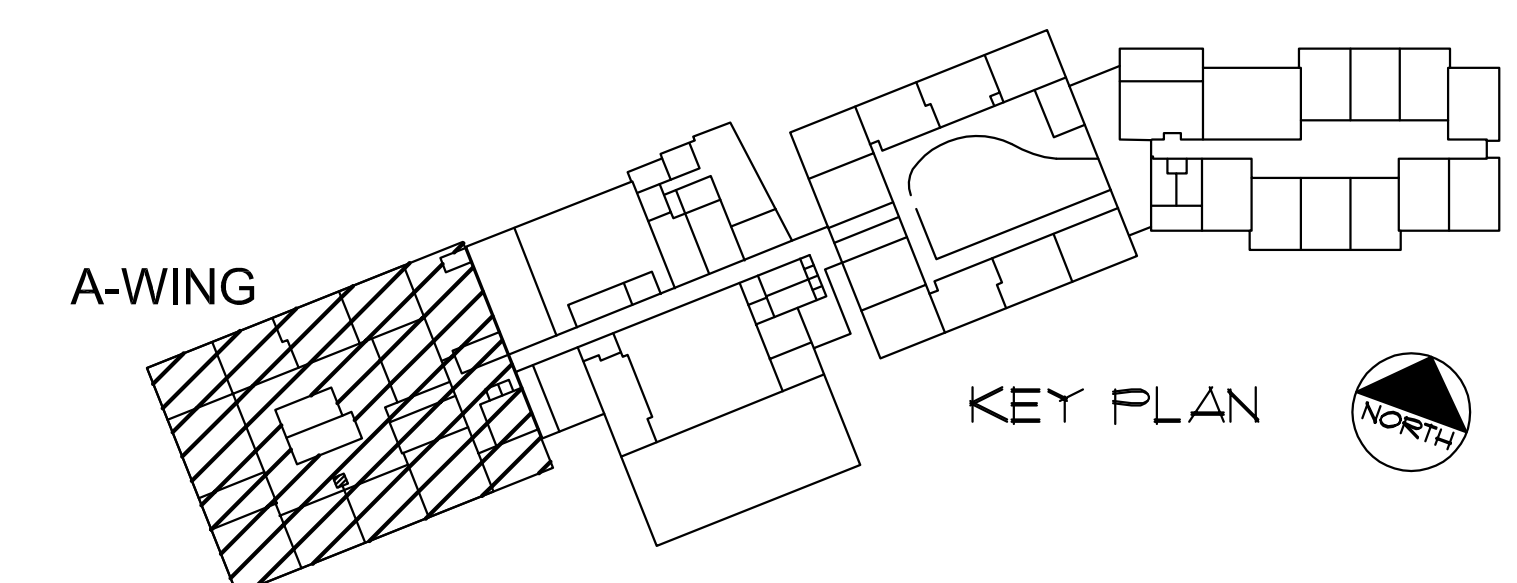
M1.02
CONSTRUCTION
DEVELOPMENT





ALL SENSORS LOCATED IN HALLWAYS, CORRIDORS, TOILET ROOMS AND OTHER COMMON SPACES TO HAVE METAL PROTECTIVE PLATES

- ① REPLACE EXISTING TERMINAL UNIT CONTROL ACTUATOR WITH DDC ACTUATOR - SEE DETAIL 3/M1.01 AND THE TERMINAL UNIT SCHEDULE ON SHEET M1.00
- ② SEE DETAIL 5/M1.01 FOR DDC CONTROL SCHEMATIC
- ③ REPLACE EXISTING CEILING THERMOSTAT WITH DDC PENDANT TYPE CEILING SENSOR
- ④ REPLACE EXISTING WALL THERMOSTAT WITH DDC WALL SENSOR
- ⑤ SEE DETAIL 6/M1.01 FOR DDC CONTROL
- ⑦ REMOVE EXISTING CONTROL DEVICE AND PATCH WALL TO MATCH EXISTING CONDITIONS



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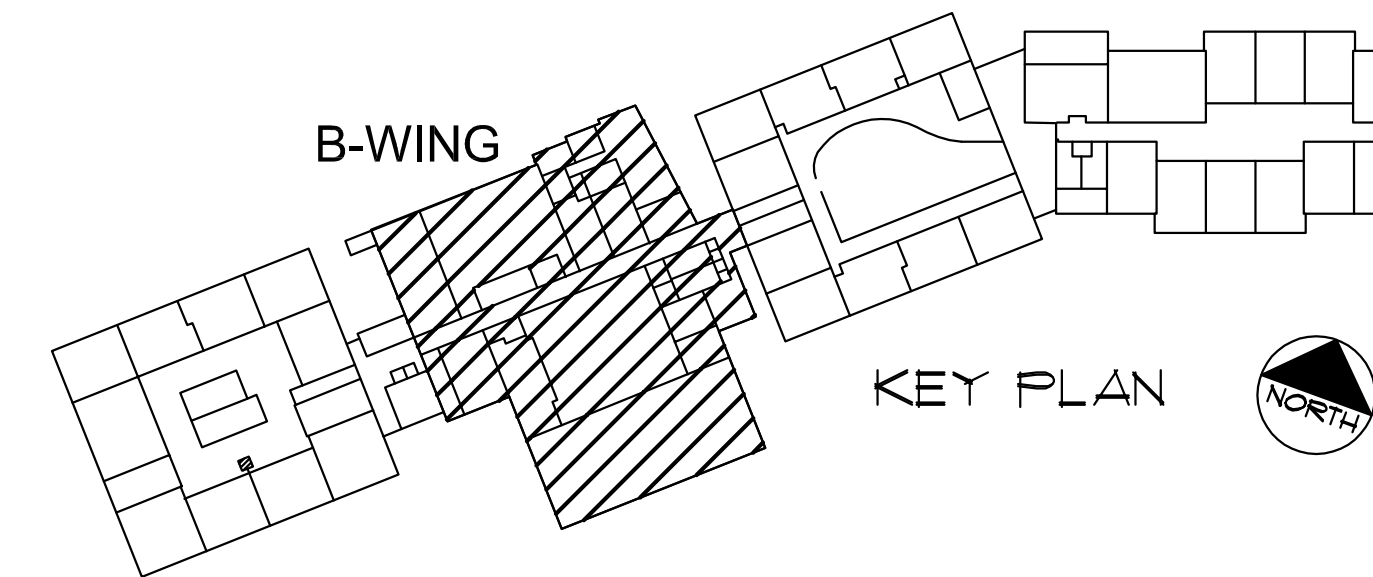
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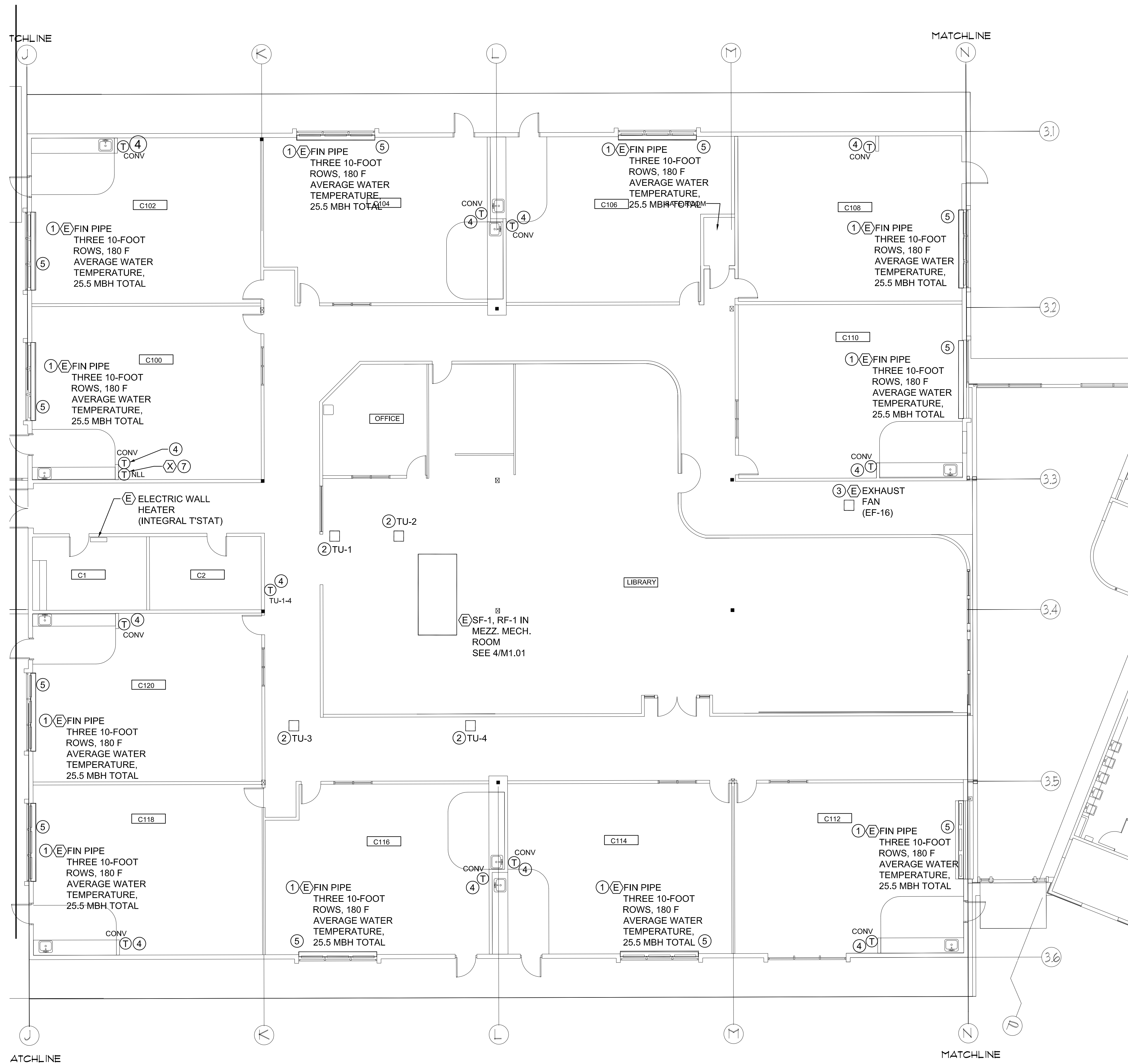
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Sheet Title
A-WING
FLOOR PLAN

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M2.00
CONSTRUCTION
DEVELOPMENT





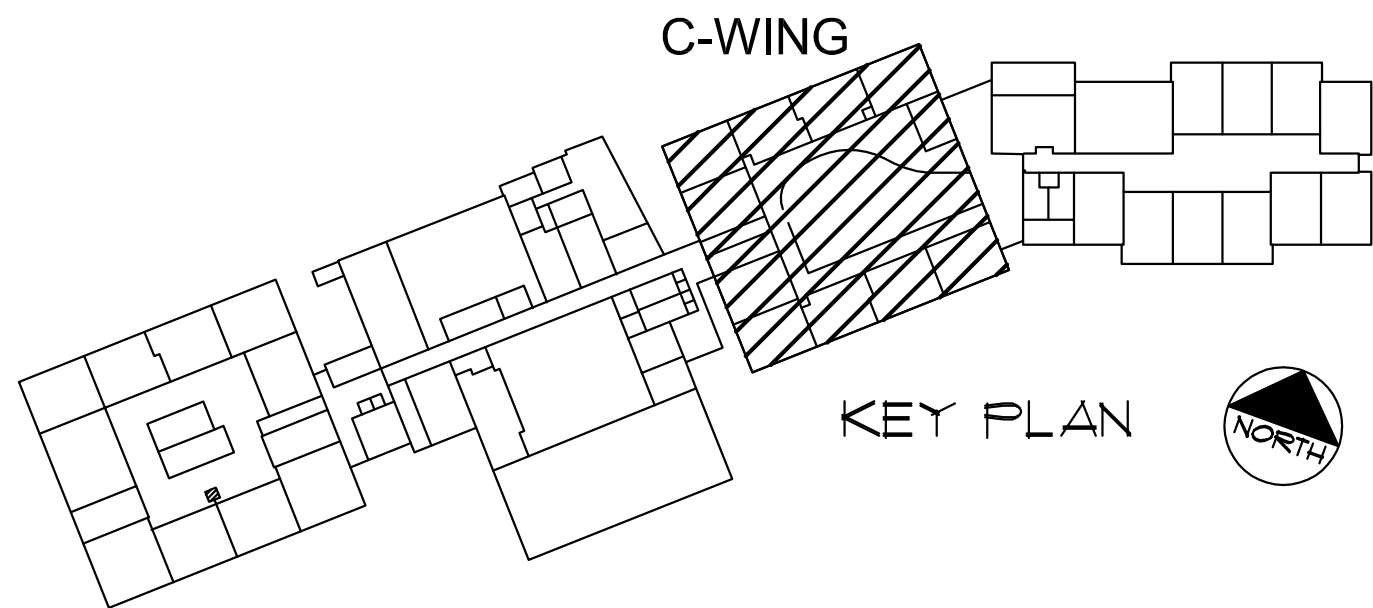
1 C-WING FLOOR PLAN
 SCALE: 1/8"=1'-0"

GENERAL NOTES

ALL SENSORS LOCATED IN HALLWAYS, CORRIDORS, TOILET ROOMS AND OTHER COMMON SPACES TO HAVE METAL PROTECTIVE PLATES

SHEET NOTES

- ① SEE DETAIL 1/M1.02 FOR DDC CONTROL SCHEMATIC
- ② REPLACE EXISTING TERMINAL UNIT CONTROL ACTUATOR WITH DDC ACTUATOR - SEE DETAIL 3/M1.01 AND THE TERMINAL UNIT SCHEDULE ON SHEET M1.00
- ③ SEE DETAIL 3/M1.02 FOR DDC CONTROL SCHEMATIC
- ④ REPLACE EXISTING WALL THERMOSTAT WITH DDC WALL SENSOR
- ⑤ PROVIDE A NEW WALL ACCESS PANEL TO REPLACE AND SERVICE THE CONTROL VALVE. PROVIDE A WOOD COVER PLATE SECURED TO THE WALL TO CLOSE OPENING. REMOVE THE EXISTING CONTROL VALVE AND INSTALL THE NEW CONTROL VALVE FURNISHED BY THE DDC CONTROLS CONTRACTOR. VERIFY EXACT LOCATION OF VALVE AT THE SITE SEE DETAIL 1/M1.02
- ⑦ REMOVE EXISTING CONTROL DEVICE AND PATCH WALL TO MATCH EXISTING CONDITIONS



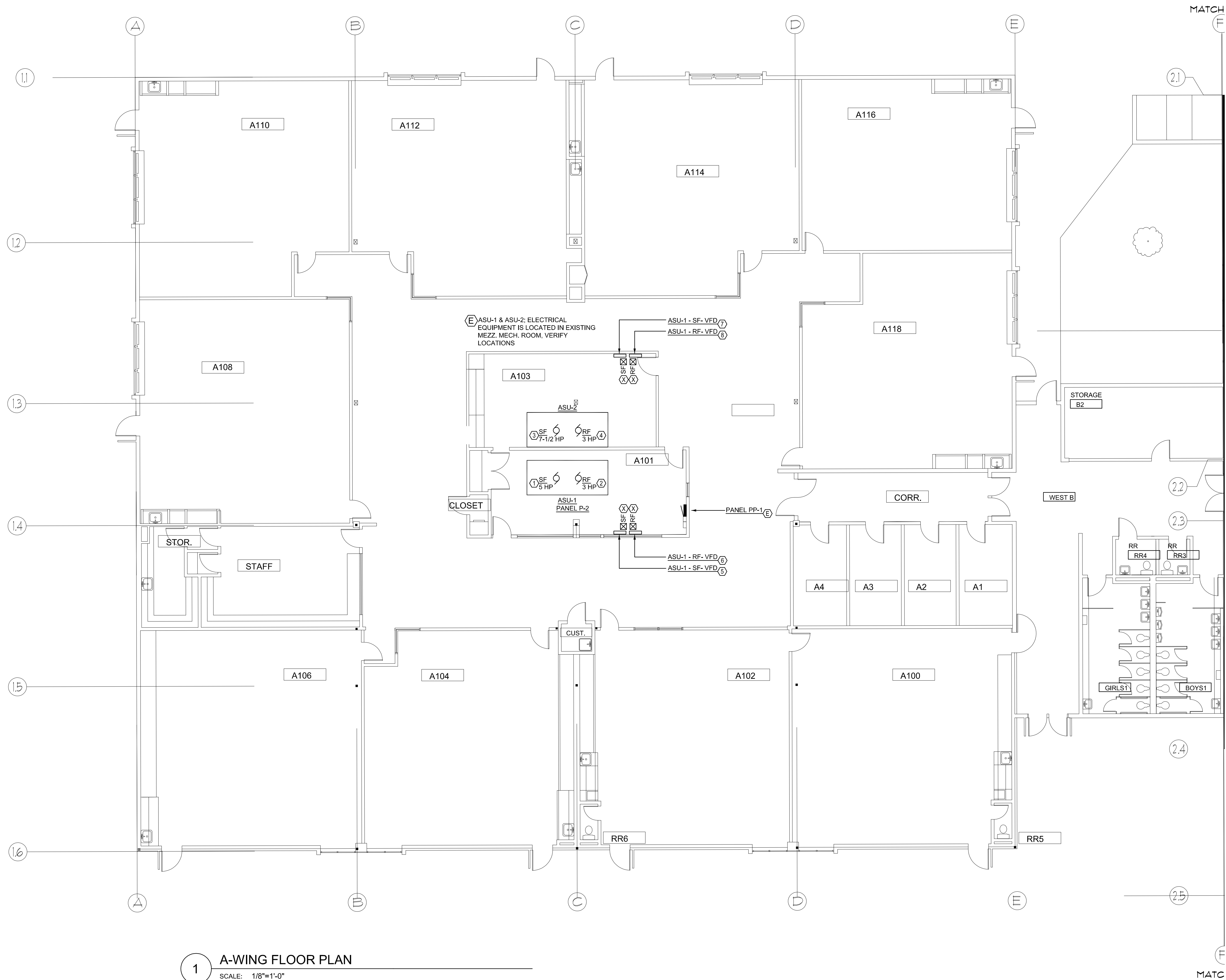
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Sheet Title
 C-WING
 FLOOR PLAN

NOT FOR
 CONSTRUCTION

M2.02
 CONSTRUCTION
 DEVELOPMENT



1 A-WING FLOOR PLAN
SCALE: 1/8"=1'-0"

SHEET NOTES

- ① ASU-1 - REMOVE SF ELECTRICAL CONNECTION TO MOTOR AS REQUIRED FOR REPLACEMENT. PROVIDE LABOR AND MATERIAL TO REMOVE ELECTRICAL CONNECTION BACK TO PANEL INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, MOTOR STARTERS AND SUPPORTS. VERIFY PANEL LOCATION IN FIELD PRIOR TO BID.
- ② ASU-1 - REMOVE RF-1 ELECTRICAL CONNECTION TO MOTOR AS REQUIRED FOR REPLACEMENT. PROVIDE LABOR AND MATERIAL TO REMOVE ELECTRICAL CONNECTION BACK TO PANEL INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, MOTOR STARTERS AND SUPPORTS. VERIFY PANEL LOCATION IN FIELD PRIOR TO BID.
- ③ ASU-2 - REMOVE SF ELECTRICAL CONNECTION TO MOTOR AS REQUIRED FOR REPLACEMENT. PROVIDE LABOR AND MATERIAL TO REMOVE ELECTRICAL CONNECTION BACK TO PANEL INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, MOTOR STARTERS AND SUPPORTS. VERIFY PANEL LOCATION IN FIELD PRIOR TO BID.
- ④ ASU-2 - REMOVE RF ELECTRICAL CONNECTION TO MOTOR AS REQUIRED FOR REPLACEMENT. PROVIDE LABOR AND MATERIAL TO REMOVE ELECTRICAL CONNECTION BACK TO PANEL INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, MOTOR STARTERS AND SUPPORTS. VERIFY PANEL LOCATION IN FIELD PRIOR TO BID.
- ⑤ ASU-1 - PROVIDE SF ELECTRICAL CONNECTION TO NEW HIGH EFFICIENCY MOTOR, ROUTE 3 #10, #10 GRD, 1" CONDUIT FROM PANEL TO VFD TO MOTOR. PROVIDE ALL LABOR AND MATERIAL INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, VFD CONNECTIONS AND SUPPORTS. VERIFY PANEL & VFD LOCATIONS IN FIELD PRIOR TO BID.
- ⑥ ASU-1 - PROVIDE RF ELECTRICAL CONNECTION TO NEW HIGH EFFICIENCY MOTOR, ROUTE 3 #12, #12 GRD, 3/4" CONDUIT FROM PANEL TO VFD TO MOTOR. PROVIDE ALL LABOR AND MATERIAL INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, VFD CONNECTIONS AND SUPPORTS. VERIFY PANEL & VFD LOCATIONS IN FIELD PRIOR TO BID.
- ⑦ ASU-2 - PROVIDE SF ELECTRICAL CONNECTION TO NEW HIGH EFFICIENCY MOTOR, ROUTE 3 #8, #8 GRD, 1" CONDUIT FROM PANEL TO VFD TO MOTOR. PROVIDE ALL LABOR AND MATERIAL INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, VFD CONNECTIONS AND SUPPORTS. VERIFY PANEL & VFD LOCATIONS IN FIELD PRIOR TO BID.
- ⑧ ASU-2 - PROVIDE RF ELECTRICAL CONNECTION TO NEW HIGH EFFICIENCY MOTOR, ROUTE 3 #12, #12 GRD, 3/4" CONDUIT FROM PANEL TO VFD TO MOTOR. PROVIDE ALL LABOR AND MATERIAL INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, VFD CONNECTIONS AND SUPPORTS. VERIFY PANEL & VFD LOCATIONS IN FIELD PRIOR TO BID.

DEMOLITION SCOPE OF WORK

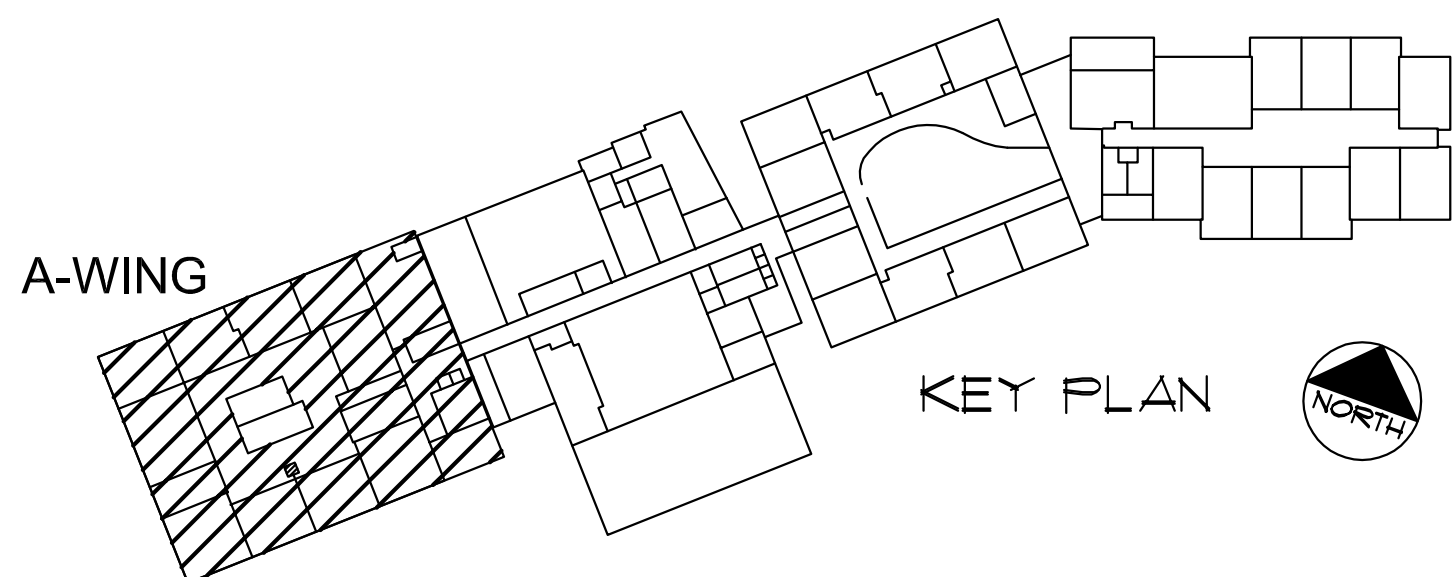
SCOPE: THE SCOPE OF WORK INCLUDES THE REMOVAL OF EXISTING CONNECTIONS TO MOTORS AS NOTED ON THE ELECTRICAL AND MECHANICAL PLANS. THE WORK WILL INCLUDE BUT NOT BE LIMITED TO THE DEMOLITION OF THE SPECIFIC MECHANICAL EQUIPMENT. ELECTRICAL CONTRACTOR COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION OF EQUIPMENT.

DEMOLITION: ELECTRICAL DRAWINGS ARE DIAGRAMMATIC. DEMOLITION INFORMATION HAS BEEN SHOWN ON THE CONSTRUCTION DRAWINGS. IN THE SPECIFICATIONS OR INDICATED BELOW, ELECTRICAL DEVICES AND EQUIPMENT ARE FROM EXISTING RECORD DRAWINGS AND / OR SITE OBSERVATIONS. THEIR ACCURACY IS NOT GUARANTEED. IT WILL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO VISIT THE SITE PRIOR TO BID AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BID AND INCLUDE ALL LABOR AND MATERIAL REQUIRED FOR THE WORK INDICATED IN THE CONSTRUCTION SET

THE PURPOSE OF THE DEMOLITION INFORMATION IS TO OUTLINE A GENERAL DIRECTION OF WHAT NEEDS TO BE REMOVED TO ACCOMPLISH THE RENOVATION WORK. THE WORK IS DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO BE ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING CONDITIONS AT THE SITE AND INCLUDE ALL WORK EVIDENT BY SITE INSPECTION WHETHER OR NOT SHOWN ON THE DRAWINGS. TO ACHIEVE THE DESIRED RESULTS INDICATED ON THE DOCUMENTS FOR THE FINISHED SPACES.

ELECTRICAL DISTRIBUTION - EXISTING DISTRIBUTION WILL BE REMAIN UNLESS NOTED OTHERWISE ON DRAWINGS. FIELD VERIFY ALL EQUIPMENT LOCATIONS

MECHANICAL - SEE MECHANICAL PLANS FOR ADDITIONAL DEMOLITION INFORMATION. MECHANICAL EQUIPMENT WILL BE REMOVED AS NOTED UNLESS INDICATED OTHERWISE. REMOVE EXISTING FEEDERS, MOTOR STARTERS AND DISCONNECT SWITCHES INCLUDING BUT NOT BE LIMITED TO CONDUIT, WIRE, AND SUPPORTS BACK TO PANELS





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Date:	10.09.202
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Job No:	BSD200

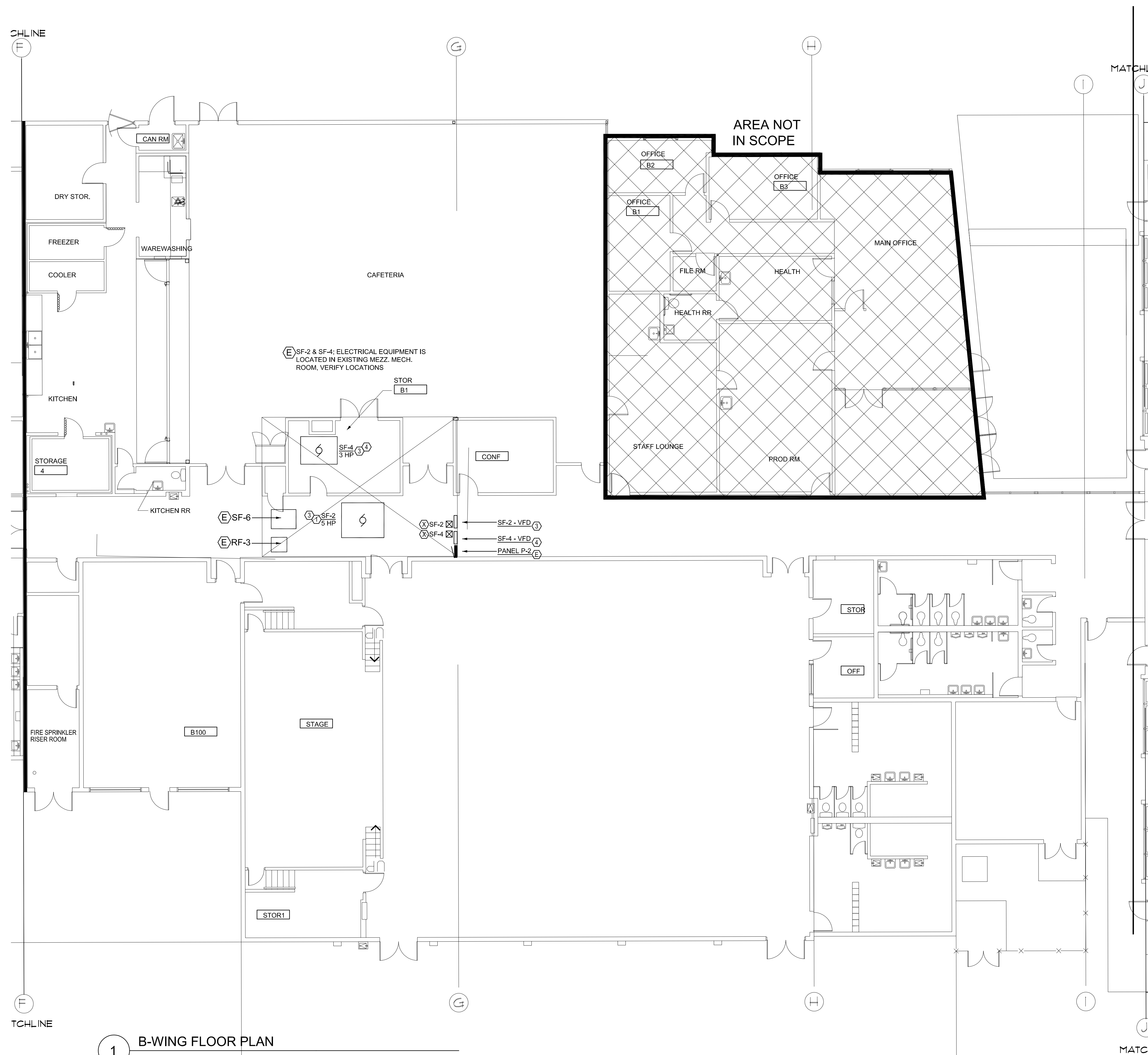
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B-WING
FLOOR PLAN -
ELECTRICAL

NOT FOR
CONSTRUCTION

E2.01

CONSTRUCTION DEVELOPMENT



- ① **REPLACE** SF-2 ELECTRICAL CONNECTION TO MOTOR AS REQUIRED FOR REPLACEMENT. PROVIDE LABOR AND MATERIAL TO REMOVE ELECTRICAL CONNECTION BACK TO PANEL INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, MOTOR STARTERS AND SUPPORTS. VERIFY PANEL LOCATION IN FIELD PRIOR TO BID.
- ② **REPLACE** SF-4 ELECTRICAL CONNECTION TO MOTOR AS REQUIRED FOR REPLACEMENT. PROVIDE LABOR AND MATERIAL TO REMOVE ELECTRICAL CONNECTION FROM FIELD, INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, MOTOR STARTERS AND SUPPORTS. VERIFY PANEL LOCATION IN FIELD PRIOR TO BID.
- ③ **REPLACE** SF-2 ELECTRICAL CONNECTION TO NEW HIGH EFFICIENCY MOTOR, ROUTE 3/4", #10 GRID, 1" CONDUIT FROM PANEL TO VFD TO MOTOR, PROVIDE ALL LABOR AND MATERIAL INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, VFD CONNECTIONS AND SUPPORTS. VERIFY PANEL & VFD LOCATIONS IN FIELD PRIOR TO BID.
- ④ **REPLACE** SF-4 ELECTRICAL CONNECTION TO NEW HIGH EFFICIENCY MOTOR, ROUTE 3/4", #10 GRID, 1" CONDUIT FROM PANEL TO VFD TO MOTOR, PROVIDE ALL LABOR AND MATERIAL INCLUDING BUT NOT BE LIMITED TO CONDUIT, CONDUCTORS, VFD CONNECTIONS AND SUPPORTS. VERIFY PANEL & VFD LOCATIONS IN FIELD PRIOR TO BID.

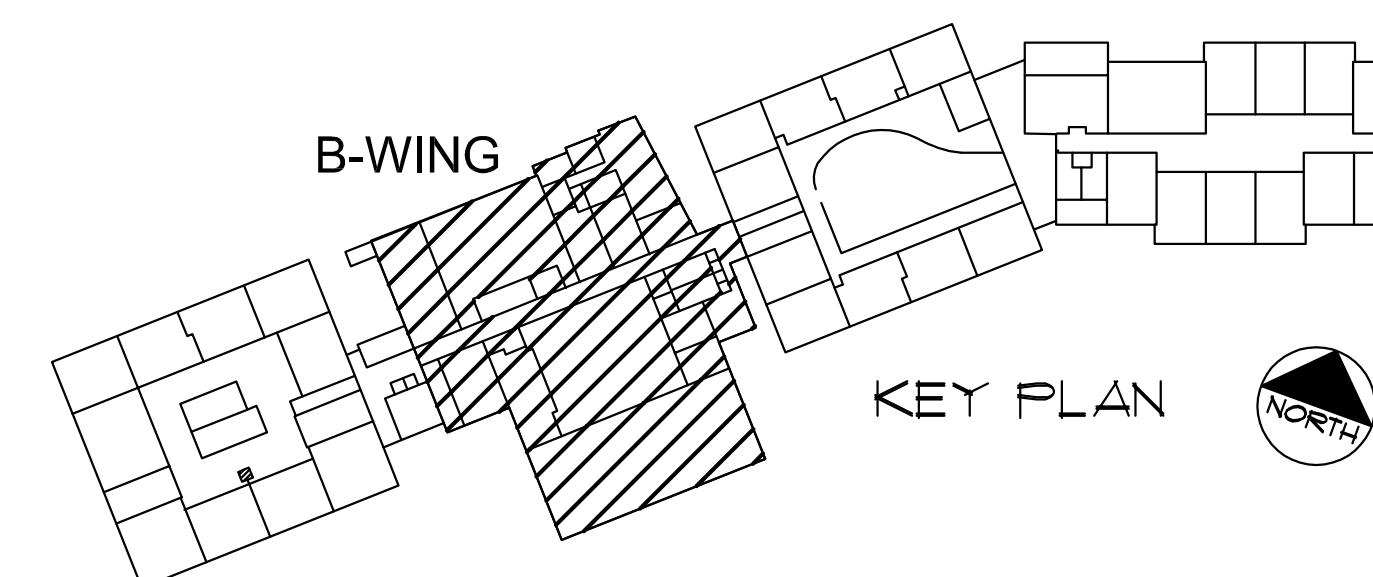
SCOPE: THE SCOPE OF WORK INCLUDES THE REMOVAL OF EXISTING CONNECTIONS TO MOTORS AS NOTED ON THE ELECTRICAL AND MECHANICAL PLANS. THE WORK WILL INCLUDE BUT NOT BE LIMITED TO THE DEMOLITION OF THE SPECIFIC MECHANICAL EQUIPMENT. ELECTRICAL CONTRACTOR COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION OF EQUIPMENT.

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DEVELOPMENT

