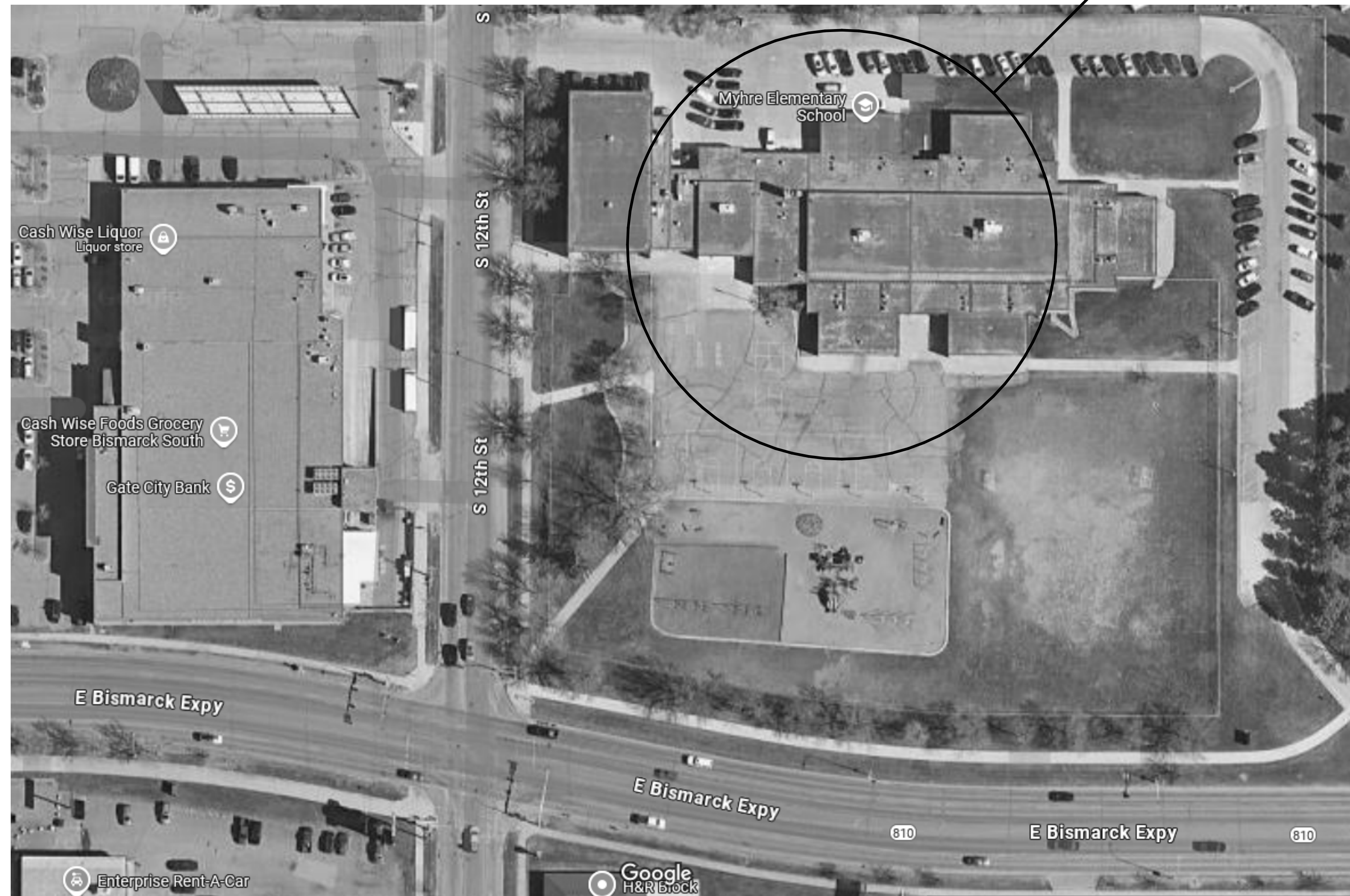


BISMARCK PUBLIC SCHOOLS

Myhre Elementary School Air Handler Replacement
919 South 12th Street, Bismarck, North Dakota 58504

PROJECT LOCATION



DRAWING INDEX	
M001	PROJECT TITLE SHEET
M100	MECHANICAL DEMOLITION PLANS
M200	MECHANICAL REMODEL PLANS
E100	ELECTRICAL DETAILS
E101	EXISTING CONDITIONS
E200	ELECTRICAL PLAN

DATE
01/17/2025

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BAW
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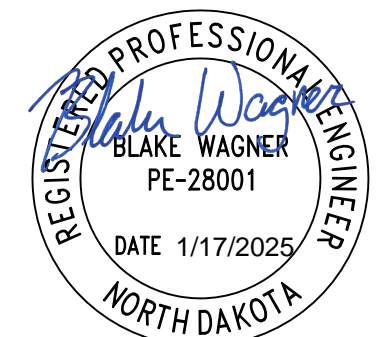
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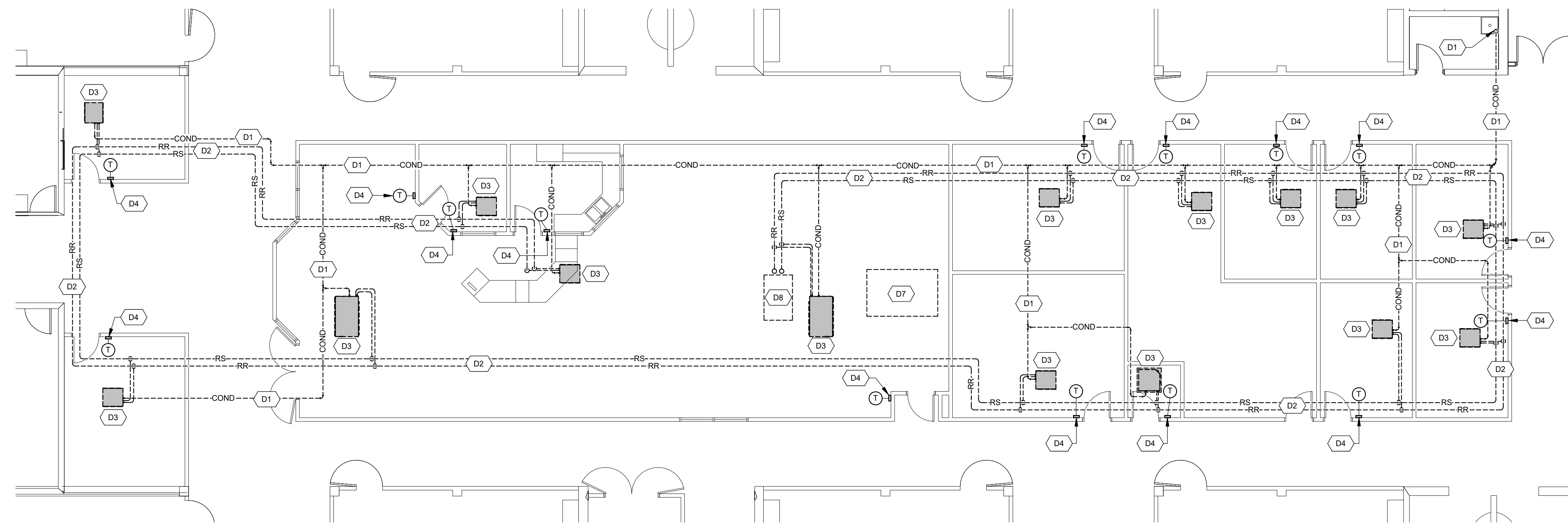


Bismarck Public Schools
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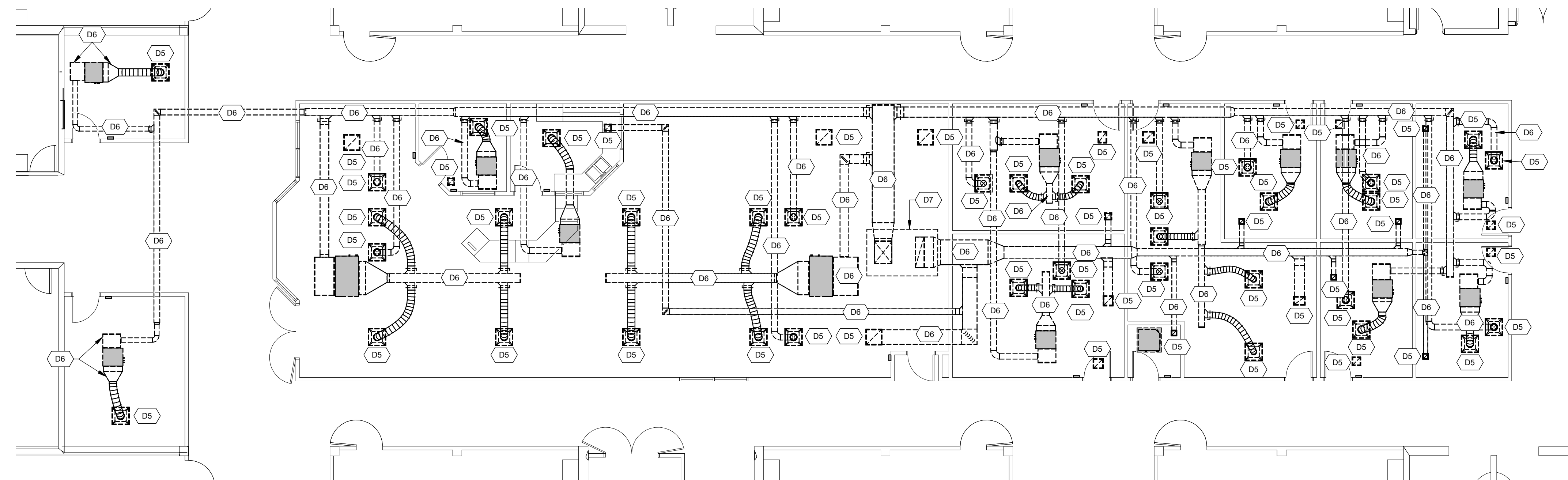
PROJECT TITLE SHEET

SHEET
M001





1 SYSTEM PIPING DEMOLITION PLAN
1/8" = 1'-0"



2 HVAC DEMOLITION PLAN
1/8" = 1'-0"

KEYNOTE LEGEND	
D1	REMOVE CONDENSATE DRAIN PIPING COMPLETELY.
D2	REMOVE REFRIGERATION PIPING FROM HVAC UNITS TO CONDENSING UNIT ON ROOF COMPLETELY. G.C. SHALL PATCH ROOF OPENINGS.
D3	REMOVE HVAC UNIT COMPLETELY.
D4	REMOVE THERMOSTAT AND CONTROL WIRING COMPLETELY.
D5	REMOVE DIFFUSER/GRILLE AND FLEX DUCT COMPLETELY.
D6	REMOVE DUCTWORK, HANGERS, AND FITTINGS COMPLETELY.
D7	REMOVE HEAT RECOVERY UNIT ON ROOF. PROVIDE TEMPORARY COVERING OVER ROOF CURB. SEAL WEATHERTIGHT.
D8	REMOVE OUTDOOR CONDENSING UNIT ON ROOF.

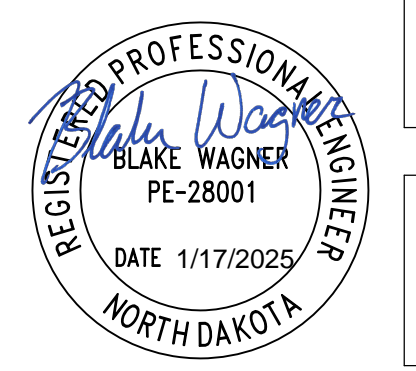
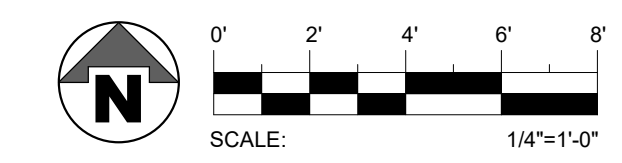
ND STATE BUILDING CODES	
(IBC)	2021 INTERNATIONAL BUILDING CODE
(IRC)	2021 INTERNATIONAL RESIDENTIAL CODE
(IMC)	2021 INTERNATIONAL MECHANICAL CODE
(IFGC)	2021 INTERNATIONAL FUEL GAS CODE
(IECC)	2021 INTERNATIONAL ENERGY CONSERVATION CODE
(IEBC)	2021 INTERNATIONAL EXISTING BUILDING CODE
(UPC)	2018 NORTH DAKOTA PLUMBING CODE

PIPING LEGEND	
—COND—	CONDENSATE DRAIN
—RS—	REFRIGERANT SUPPLY
—RR—	REFRIGERANT RETURN
⊗	CONNECT TO EXISTING

PIPING VALVE & ACCESSORY LEGEND	
	BALL VALVE
	BALL VALVE INDICATOR
	BUTTERFLY VALVE
	GATE VALVE
	VENTURI
	CHECK VALVE
	2-WAY HYDRONIC CONTROL VALVE
	2-WAY DOMESTIC CONTROL VALVE
	3-WAY CONTROL VALVE
	DRAIN VALVE
	STRAINER
	MANUAL AIR VENT
	AUTO AIR VENT
	TEMPERATURE GAUGE
	PRESSURE GAUGE
	SENSOR
	CIRCUIT SOLVER
	UNION

LINE TYPE LEGEND	
—	EXISTING
—	NEW
- - -	REMOVE
· · ·	HIDDEN
—	MATCHLINE

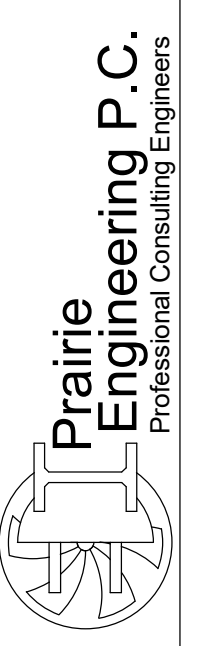
PROJECT DESIGN CONDITIONS BISMARCK, NORTH DAKOTA				
	SUMMER		WINTER	
	DB	WB	DEW PT.	DB
OUTDOOR	91°F	69°F	N/A	-20°F
INDOOR	75°F	N/A	55°F	72°F



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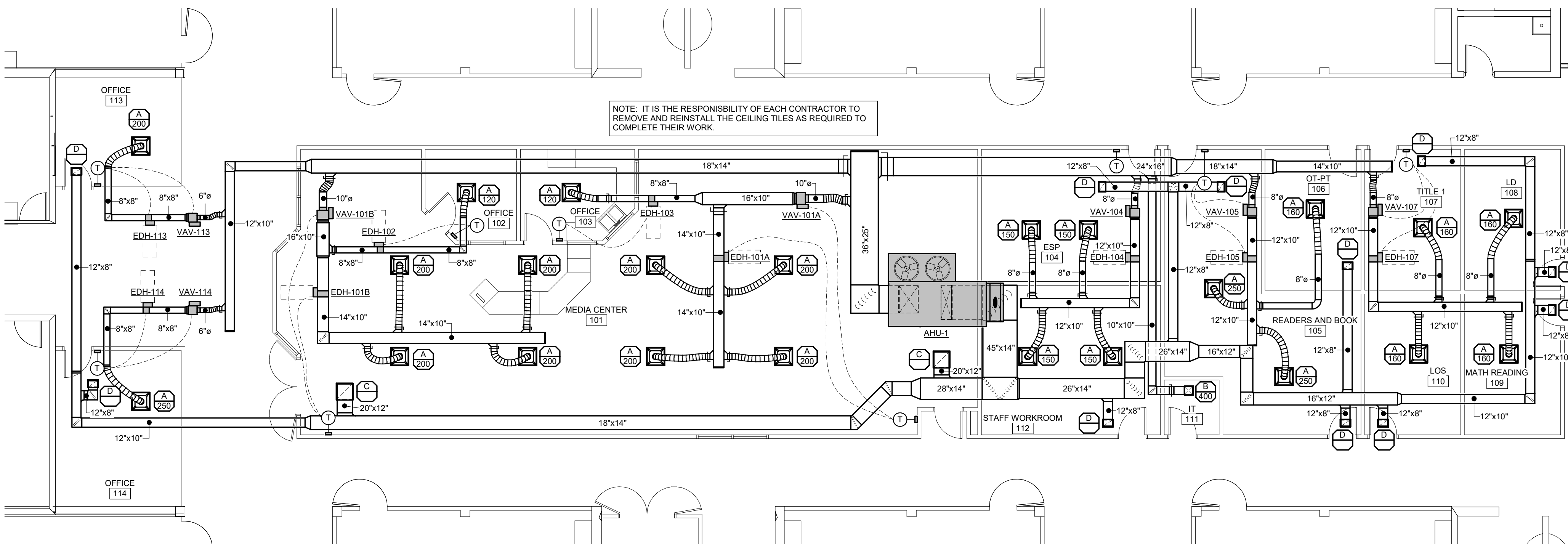
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Myra Elementary School Air Handler Replacement
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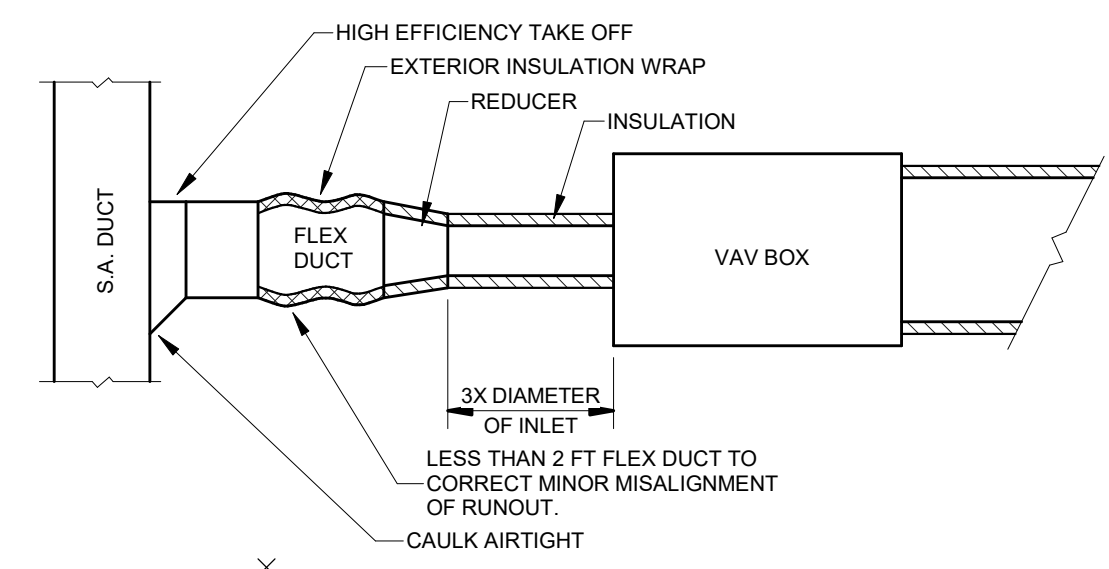
MECHANICAL DEMOLITION
PLANS

SHEET
M100



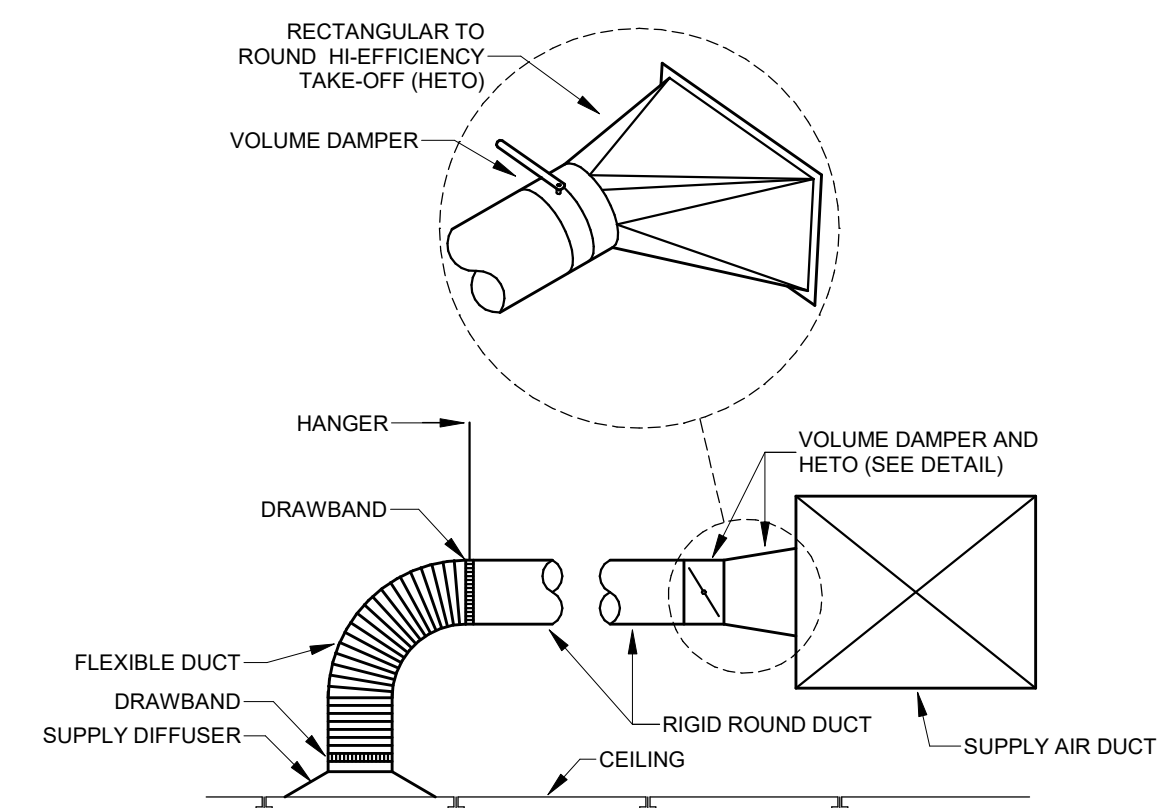
1
M200
1/8" = 1'-0"

MECHANICAL REMODEL PLAN



2
M200
NTS

VAV BOX DUCT DETAIL



3
M200
NTS

TYPICAL DIFFUSER CONNECTIONS

238000 - AIR HANDLING UNIT

NOTES:
 1. PROVIDE CURB ADAPTER. DIMENSIONS OF ORIGINAL CURB ARE TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 2. PROVIDE REMOTE MOUNTED CONTROLLER WITH GRAPHIC USER INTERFACE. WIRING BY M.C. LOCATE PER PLANS.
 3. PROVIDE THERMALLY BROKEN DOUBLE WALL CONSTRUCTION WITH R13 INSULATION.
 4. PROVIDE 2" PLEATED MERV 8 FILTERS PLUS THREE SPARE SETS.
 5. INCLUDE DOORS ON THE FOLLOWING SECTIONS: FAN, FILTER, CONTROL PANEL, HEAT VESTIBULE.
 6. SUPPLY AND RETURN AIR CONNECTIONS TO BE ON BOTTOM OF UNIT.
 7. PROVIDE UNIT WITH ENERGY RECOVERY.

MARK	MANUFACTURER	MODEL	UNIT OVERVIEW				DIMENSIONS				NOTES	
			ELEC.	SUPPLY CFM	COOLING CAP.	EER	IEER	LENGTH	WIDTH	HEIGHT		WEIGHT
AHU-1	AAON	RNA-011	208/3/60	4600	122,000	12.94	15.78	150 in	95 in	50 in	2251#	ALL

238000 - AIR HANDLING UNIT - FAN

NOTES:
 1. PROVIDE FAN WITH MANUFACTURER MOUNTED AND WIRED VFD.
 2. SUPPLY FAN TO BE 22" DIRECT DRIVE BACKWARD CURVED, ALUMINUM MATERIAL.
 3. RETURN FAN TO BE 22" DIRECT DRIVE BACKWARD CURVED, ALUMINUM MATERIAL.

MARK	SUPPLY FAN					EXHAUST FAN					NOTES	
	QTY	CFM	FRESH AIR	TSP	BHP (EA)	HP (EA)	QTY	CFM	TSP	BHP (EA)		HP (EA)
AHU-1	1	4600	1380	2.5 inH2O	4.04	5.00	1	4600	1.99 inH2O	2.35	3.00	1, 2, 3

238000 - AIR HANDLING UNIT - DAMPERS

NOTES:
 1. ACTUATORS PROVIDED BY RTU MANUFACTURER SHALL BE WIRED TO TERMINAL STRIP FOR CONTROL BY DIV 230900. COORDINATE BETWEEN MFR AND DIV 230900 DURING SHOP DRAWING PHASE.

MARK	DAMPERS			NOTES
	APPLICATION	CONTROL	ACTUATOR BY:	
AHU-1	OUTDOOR	DDC	RTU MFR	1
	RETURN	DDC	RTU MFR	1
	EXHAUST	BAROMETRIC	RTU MFR	1

238000 - AIR HANDLING UNIT - COILS

MARK	MODEL	COOLING				STAGES
		SENSIBLE	TOTAL CAP	EAT (DB/WB)	LAT (DB/WB)	
AHU-1	RNA-011	107,100	122,000	76.1°F/62.5°F	54.5°F/53.2°F	VARIABLE

238000 - AIR HANDLING UNIT - ELECTRICAL

NOTES:
 1. PROVIDE FOR SINGLE POINT POWER.

MARK	ELECTRICAL						NOTES
	SCCR	MCA	MOP	VOLT	Ph	Hz	
AHU-1	35 KAIC	68	80	208	3	60	1

233000 - VAV SCHEDULE

SCHEDULE NOTES:
 1. MAKE PROVISIONS TO ADD HOT WATER REHEAT COIL IN THE FUTURE.

MARK	MANUFACTURER	MODEL	SIZE	AIRFLOW				NC LEVELS			NOTES
				CLG. MAX	CLG. MIN	HEATING	APD	RAD	DISCH.		
VAV-101A	TITUS	DESV	9	920	828	368	0.25	23	28	1	
VAV-101B	TITUS	DESV	9	920	828	368	0.25	23	28	1	
VAV-104	TITUS	DESV	7	600	540	240	0.25	24	28	1	
VAV-105	TITUS	DESV	8	660	594	264	0.25	24	29	1	
VAV-107	TITUS	DESV	7	640	576	256	0.25	25	28	1	
VAV-113	TITUS	DESV	5	200	180	80	0.25	18	29	1	
VAV-114	TITUS	DESV	6	250	225	100	0.25	17	24	1	

238000 - ELECTRIC DUCT HEATER SCHEDULE

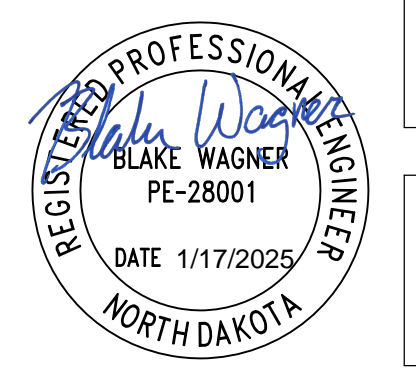
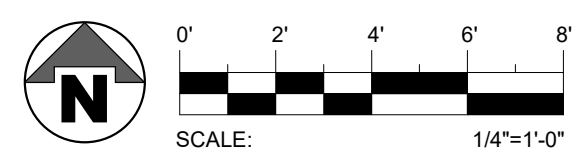
NOTES:
 1. PROVIDE BOTTOM ACCESS.

MARK	MANUFACTURER	MODEL	DUCT SIZE		AIR FLOW			HEATING ELEMENT		ELECTRICAL			NOTES	
			HEIGHT	WIDTH	FLOW	VELOCITY	EAT	LAT	KW	STAGES	VOLT	Ph		Hz
EDH-101A	INDEECO	QUA	14	10	320	329	67	82	1.5	SCR	120	1	60	1
EDH-101B	INDEECO	QUA	14	10	320	329	67	82	1.5	SCR	120	1	60	1
EDH-102	INDEECO	QUA	8	8	48	108	67	100	0.5	SCR	120	1	60	1
EDH-103	INDEECO	QUA	8	8	48	108	67	100	0.5	SCR	120	1	60	1
EDH-104	INDEECO	QUA	12	10	240	288	67	80	1	SCR	120	1	60	1
EDH-105	INDEECO	QUA	12	10	264	317	67	79	1	SCR	120	1	60	1
EDH-107	INDEECO	QUA	12	10	256	307	67	79	1	SCR	120	1	60	1
EDH-113	INDEECO	QUA	8	8	80	180	67	87	0.5	SCR	120	1	60	1
EDH-114	INDEECO	QUA	8	8	100	225	67	83	0.5	SCR	120	1	60	1

233700 - AIR TERMINAL SCHEDULE

SCHEDULE NOTES:
 1. M.C. TO PROVIDE SHEET METAL TRANSITION FROM DUCT TO GRILLE AS REQUIRED.
 2. PLAQUE TYPE DIFFUSER.
 3. RECTANGULAR/SQUARE DIFFUSER/GRILLE.
 4. PAINT BLACK INSIDE DUCT SURFACE ABOVE REGISTER.
 5. SINGLE DEFLECTION.
 *CONTRACTOR TO VERIFY CEILING TYPES PRIOR TO ORDERING

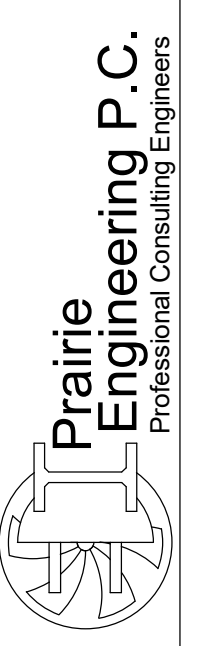
TAG	MANUFACTURER	MODEL	FUNCTION	DIMENSIONS		FINISH	FRAME	MOUNT	NOTES
				SIZE	NECK DIA.				
A	PRICE	SPD	SUPPLY	24"x24"	8"Ø	B12	T-BAR	T-BAR	2
B	PRICE	530	RETURN	20"x20"	N/A	B12	T-BAR	T-BAR	1, 3, 4, 5
C	PRICE	530	RETURN	12"x8"	N/A	B12	T-BAR	T-BAR	1, 3, 4, 5



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MECHANICAL REMODEL PLANS

SHEET
M200

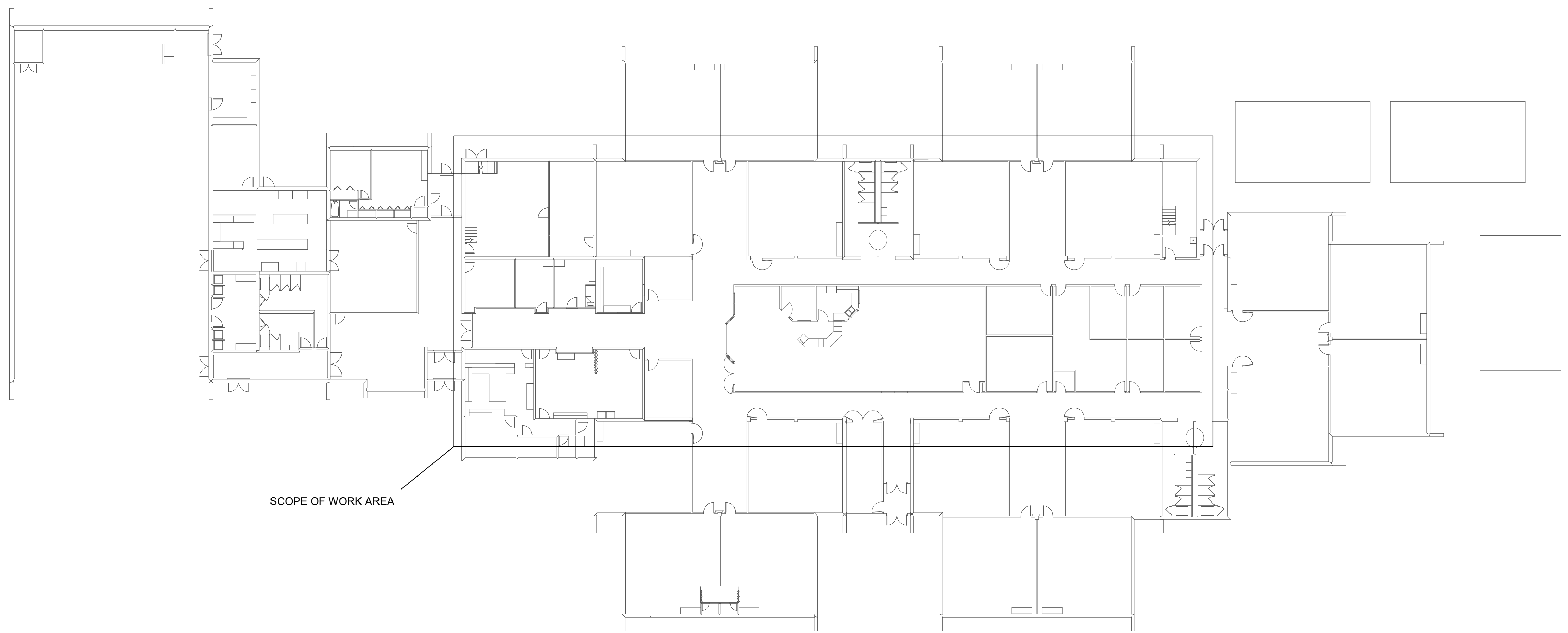
STANDARD ELECTRICAL SYMBOLS

BASED ON ANSI Y32-9-1972, ANSI A117.1-1986, AND FEDERAL REGISTER 56-14(ADA)
MOUNTING HEIGHT MEASUREMENTS SHALL BE MADE FROM FINISH FLOOR TO CENTER LINE OF OUTLET

SYMBOL	DESCRIPTION	MTG. HT.
RECEPTACLE OUTLETS		
	SINGLE, CKT 1	18"
	DUPLEX	18"
	DUPLEX - SPLIT WIRED	18"
	DUPLEX - GROUND FAULT CIRCUIT INTERRUPTER	18"
	DUPLEX - EMERGENCY	18"
	DOUBLE DUPLEX	SCHEDULED
	SPECIAL CONFIGURATION. DESIGNATION REFERS TO SCHEDULE. MULTI-OUTLET ASSEMBLY. ARROWS EXTEND TO LIMIT OF INSTALLATION. SUBSCRIPT INDICATES SPACING OF OUTLETS	
	CLOCK RECEPTACLE	82"
	DUPLEX RECEPTACLE - FLOOR BOX	
SWITCH OUTLETS		
	SINGLE POLE	46"
	DOUBLE POLE	46"
	THREE-WAY	46"
	FOUR-WAY	46"
	KEY OPERATED	
	MOTOR - PROVIDE OVERLOAD UNIT AS REQD. TOGGLE ACCEPTABLE IF INTERNAL THERMAL PROTECTION INCLUDED. SWITCH NOT REQD IF MOTOR ASSEMBLY HAS INTEGRAL DISCONNECTING MEANS.	
MISCELLANEOUS		
	PLAN OR DETAIL NOTE	
	SPECIAL PURPOSE CONNECTION - AS REQUIRED BY EQUIPMENT MANUFACTURER. CO-ORDINATE ROUGH-IN WITH SHOP DWG.	
	BRANCH CIRCUIT PANELBOARD, SHADING INDICATES NEW PANEL	TOP 75"
	CONTROL PANEL	
	EXTERNALLY OPERATED DISCONNECT SWITCH	
	CONTROLLER OR RELAY	
	COMBINATION CONTROLLER AND DISCONNECT MEANS	
	MOTOR. DESIGNATION REFERS TO SCHEDULE.	
	EQUIPMENT DESIGNATION. SEE SCHEDULE.	
	ELECTRIC HEAT TO SCALE. DESIGNATION REFERS TO SCHEDULE. "I" INDICATES INTEGRAL THERMOSTAT.	
	THERMOSTAT PROVIDED BY DIV. 26	46"
	THERMOSTAT FURNISHED BY DIV. 23, INSTALLED BY DIV. 26	46"
	HUMIDISTAT FURNISHED BY DIV. 26, INSTALLED BY DIV. 26	46"
	POTENTIOMETER FURNISHED BY DIV. 23, INSTALLED BY DIV. 26	46"
	TIME SWITCH	
	PHOTOELECTRIC SWITCH	
CIRCUITING		
	HOME RUN. MIN 3/4" C. ARROWS AND SUBSCRIPTS INDICATE NUMBER AND IDENTIFICATION OF CIRCUITS.	
	CONTROL WIRE. SEE SPECIFICATION SECTION 260536	
	EMERGENCY. MIN 1/2" C-#10 AWG.	
	TELEPHONE. MIN 3/4" C. HOME RUN TO TERMINAL BOARD	
	TELEPHONE. MIN 3/4" C. STUB INTO CEILING SPACE	
	LOW VOLTAGE. MIN 1/2" C-#14 AWG AS REQD.	
	SPECIAL SYSTEMS. MIN 3/4" C. PROVIDE CONDUCTORS AS REQD BY MANUFACTURER. SUBSCRIPT INDICATES SYSTEM. SEE STANDARD ABBREVIATIONS.	
FIRE ALARM SYSTEMS		
	DETECTOR. SUPERSCRIPT INDICATES ZONE. SUBSCRIPT DESCRIBES INITIATION: DIRECT, S-RATE OF RISE THERMAL, F-FIXED TEMPERATURE THERMAL, I-IONIZATION, P-PHOTO-ELECTRIC, CO-CARBON MONOXIDE, PCO-COMBO PHOTO-ELECTRIC-CARBON MONOXIDE.	CEILING
	CHIME	88"
	MAGNETIC DOOR HOLDER	
	FAN RELAY	
	FLOW SWITCH	
	MANUAL STATION	46"
	AUDIBLE ALARM NOTIFICATION APPLIANCE (HORN)	88"
	VISUAL ALARM NOTIFICATION APPLIANCE	88"
	COMBO AUDIBLE-VISUAL ALARM NOTIFICATION APPLIANCE	88"
	MAIN VALVE SUPERVISORY ("TAMPER") SWITCH	

STANDARD ABBREVIATIONS

AC	ABOVE COUNTER (MIN 4" ABOVE BACKSPLASH)	LV	LOW VOLTAGE
AF	ABOVE FINISHED FLOOR	MC	MECHANICAL CONTRACTOR
AG	ABOVE FINISHED GRADE	MEA	MINIMUM CIRCUIT AMPACITY
ATC	AUTOMATIC TEMPERATURE CONTROL	MCB	MAIN CIRCUIT BREAKER
BDF	BOTTOM OF FIXTURE	MLO	MAIN LEG ONLY
CKT	CIRCUIT	NC	NURSE CALL
DT	DUST TIGHT	NFDS	NON-FUSIBLE DISCONNECT SWITCH
DTR	DATA RACK	NR	NOT REQUIRED
EC	ELECTRICAL CONTRACTOR	PA	PUBLIC ADDRESS
EGC	EQUIPMENT GROUNDING CONDUCTOR	RGSC	RIGID GALVANIZED STEEL CONDUIT
EM	EMERGENCY	RT	RAIN-TIGHT
EP	EXPLOSION PROOF	S	SECURITY
EW	ELECTRIC WATER COOLER	SD	SEE DETAIL
EWV	ELECTRIC WATER HEATER	SS	SURGE SUPPRESSION
F	FUSED	SW	SWITCH
FA	FIRE ALARM	T	TELEPHONE
FACP	FIRE ALARM CONTROL PANEL	TOP	TOP OF PANEL
FARA	FIRE ALARM REMOTE ANNUNCIATOR	TSSW	TWO-SPEED SEPARATE WINDING
FDS	FUSIBLE DISCONNECT SWITCH	TTB	TELEPHONE TERMINAL BOARD
FLA	FULL LOAD AMPERES	U	USHI COMBINATION RECEPTACLE
FVNR	FULL VOLTAGE NON-REVERSING	VFD	VARIABLE FREQUENCY DRIVE
FVR	FULL VOLTAGE REVERSING	VT	VAPOR TIGHT
GRA	GENERATOR REMOTE ANNUNCIATOR	W	WALL MTG (46" AFF)
IC	INTERCOM	WAP	WIRELESS ACCESS POINT
IG	ISOLATED GROUND	WP	WEATHERPROOF
IL	INTERLOCK	WT	WATER TIGHT
		WM	WIREMOLD

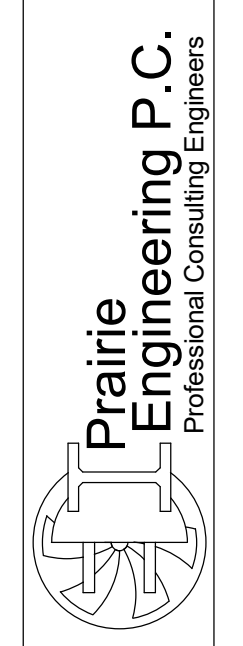


1 OVERALL FLOOR PLAN
1" = 20'-0"

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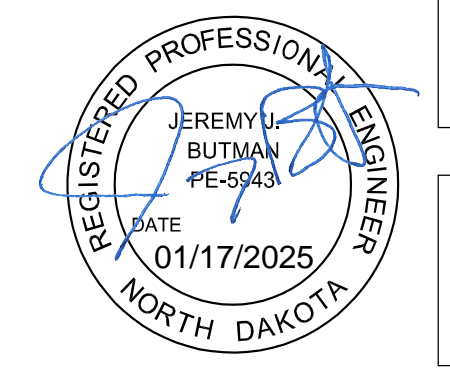
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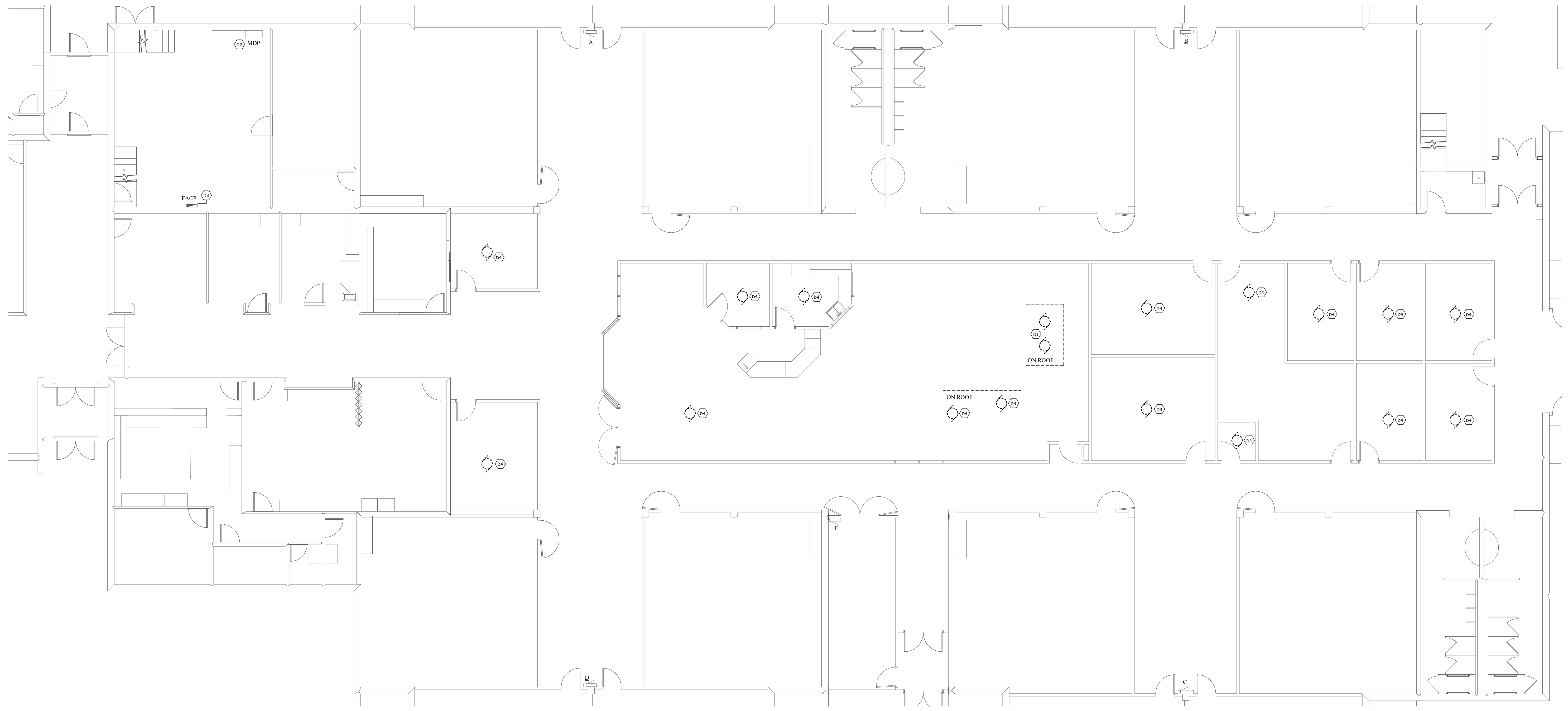


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Myhre Elementary School AHU Replacement
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ELECTRICAL DETAILS

SHEET
E100



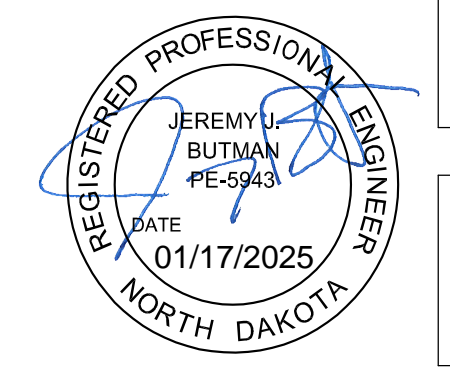


1
EXISTING CONDITIONS
1/8" = 1'-0"
N

GENERAL NOTES

1. FIELD VERIFY ALL PERTINENT EXISTING CONDITIONS AND INSTALLATION REQUIREMENTS IN CONNECTION WITH REMODEL. MAKE ALLOWANCES IN BID THERETO.
2. DEVICES THAT ARE DASHED OR WITH SLASH THROUGH INDICATE SPECIFIC EXISTING DEVICES TO BE REMOVED. REMOVE OR RELOCATE ANY ELECTRICAL DEVICE REQUIRED BY REMODEL OPERATIONS. EXTEND EXISTING CIRCUITRY AS REQUIRED TO MAINTAIN DOWNSTREAM DEVICES OR FIXTURES. DISCONNECT AND REMOVE ANY EXISTING CIRCUITRY NOT BEING REUSED. RE-IDENTIFY EXISTING PANEL DIRECTORIES AS REQUIRED.
3. SEE SPECIFICATION 260510 FOR REMODEL.

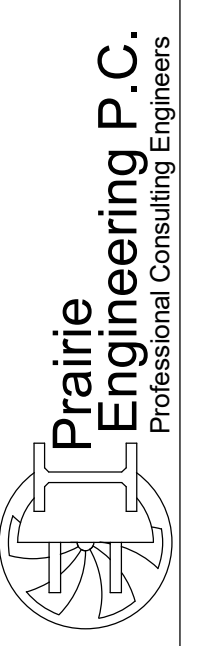
Keynote Legend	
D1	DISCONNECT EXISTING ROOFTOP UNIT, RACEWAY AND CIRCUITRY TO REMAIN TO BE REUSED FOR NEW AIR HANDLING UNIT.
D2	EXISTING 150/3 FOR ROOFTOP UNIT TO BE RELABELED AS 'SPARE'.
D3	EXISTING FIRE ALARM CONTROL PANEL SHOWN FOR REFERENCE. PANEL IS SIEMENS FS-250.
D4	DISCONNECT EXISTING ROOM HEAT RECOVERY UNIT FOR REMOVAL BY M.C.



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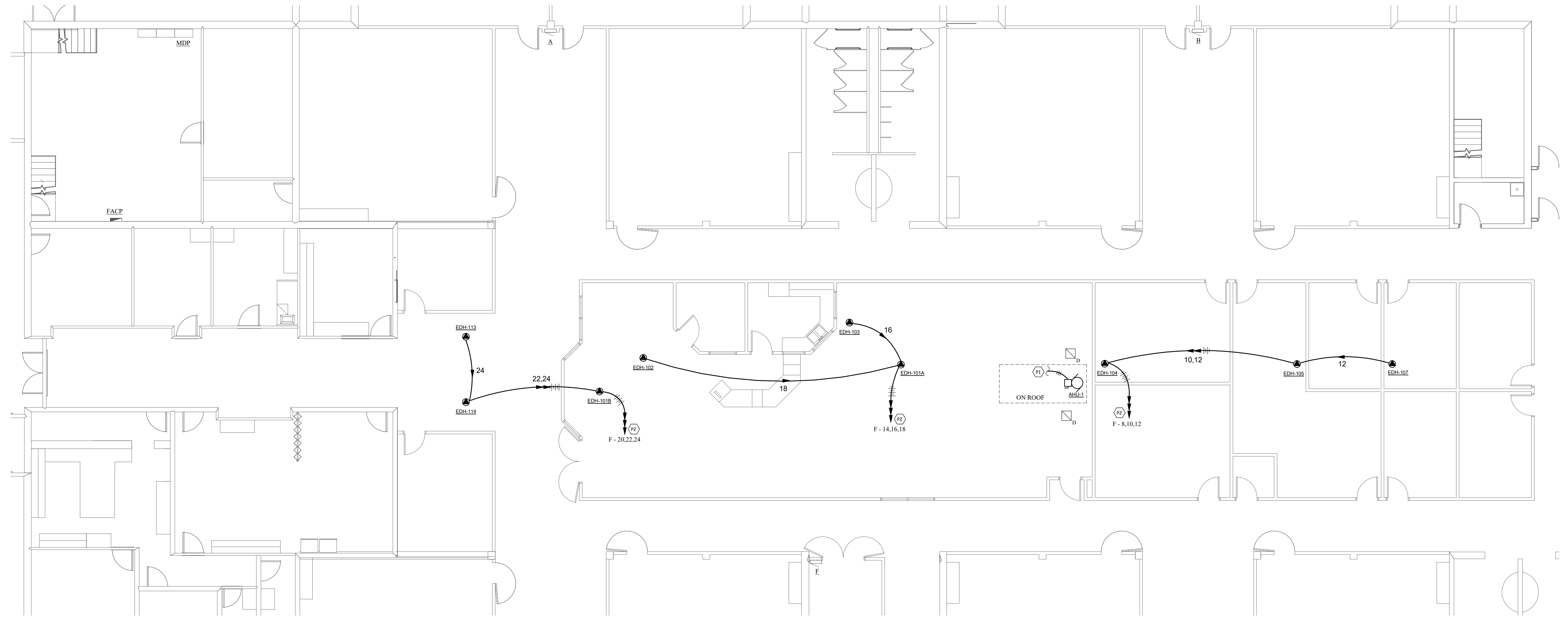
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EXISTING CONDITIONS

SHEET
E101



DATE 1/17/2025
 BMG JIB 24556
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Prairie Engineering P.C.
 Professional Consulting Engineers

Bismarck Public Schools
 Myhre Elementary School AHU Replacement
 919 South 12th Street, Bismarck, ND 58504

ELECTRICAL PLAN

SHEET E200

1 ELECTRICAL PLAN
 1/8" = 1'-0"

Keynote Legend	
P1	NEW AHU-1 TO BE TERMINATED TO SPARE 100/3 BREAKER IN MDP. LABEL AS 'AHU-1'. EXISTING CIRCUITRY TO BE RE-USED. SPLICE AND EXTEND FEEDER AS REQUIRED.
P2	TERMINATE TO PANEL F. PROVIDE NEW 20/1 CIRCUIT BREAKER AS REQUIRED. EXISTING PANEL F IS CUTLER-HAMMER POW-R-LINE SERIES. TURN OVER REPLACED CIRCUIT BREAKERS TO THE OWNER.

Electrical Fixture Schedule										
Desig.	Equipment Served	LOAD (HP OR MCA)	VOLTAGE	PHASE	Disconnect (BY EC)	Controller (BY EC)	Control Device By	Control Mounted BY	Control Furnished By	Comments
AHU-1	AIR HANDLING UNIT	68 MCA, F@80A	208 V	3	100/3 WP FDS	INTEGRAL	ATC	ATC	ATC	PROVIDE POWER MONITOR PER SPECIFICATION SECTION 262913. PROVIDE DUCT DETECTION PER SPECIFICATION SECTION 283111 AND DETAIL 2/E200.
EDH-101A	ELECTRIC DUCT HEATER	1500W	120 V	1	INTEGRAL	INTEGRAL	ATC	ATC	ATC	
EDH-101B	ELECTRIC DUCT HEATER	1500W	120 V	1	INTEGRAL	INTEGRAL	ATC	ATC	ATC	
EDH-102	ELECTRIC DUCT HEATER	500W	120 V	1	INTEGRAL	INTEGRAL	ATC	ATC	ATC	
EDH-103	ELECTRIC DUCT HEATER	500W	120 V	1	INTEGRAL	INTEGRAL	ATC	ATC	ATC	
EDH-104	ELECTRIC DUCT HEATER	1000W	120 V	1	INTEGRAL	INTEGRAL	ATC	ATC	ATC	
EDH-105	ELECTRIC DUCT HEATER	1000W	120 V	1	INTEGRAL	INTEGRAL	ATC	ATC	ATC	
EDH-107	ELECTRIC DUCT HEATER	1000W	120 V	1	INTEGRAL	INTEGRAL	ATC	ATC	ATC	
EDH-113	ELECTRIC DUCT HEATER	500W	120 V	1	INTEGRAL	INTEGRAL	ATC	ATC	ATC	
EDH-114	ELECTRIC DUCT HEATER	500W	120 V	1	INTEGRAL	INTEGRAL	ATC	ATC	ATC	

2 DUCT DETECTION INSTALLATION
 NTS

- FOLLOW MANUFACTURER'S RECOMMENDATIONS AND NFPA 90A 6.4.2 AND IMC 606.2 IN LOCATING DUCT DETECTORS:
 - "DOWNSTREAM OF THE AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS IN AIR SUPPLY SYSTEMS HAVING CAPACITY GREATER THAN 2000CFM (944 L/S)."
 - "IN RETURN AIR DUCT OR PLENUM UPSTREAM OF ANY FILTERS AND EXHAUST AIR CONNECTIONS IN AIR RETURN SYSTEMS HAVING CAPACITY GREATER THAN 2000 CFM (944 L/S)."^(IMC 606.2)
 - "AT EACH STORY PRIOR TO THE CONNECTION TO A COMMON RETURN AND PRIOR TO ANY RECIRCULATION OR FRESH AIR INLET CONNECTION IN AIR RETURN SYSTEMS HAVING A CAPACITY GREATER THAN 15,000 CFM (7080 L/S) AND SERVING MORE THAN ONE STORY."^(NFPA 90A 6.4.2 AND IMC 606.2)
- SMOKE SAMPLING TUBES TO SPAN ENTIRE DUCT.
- TO STARTING EQUIPMENT AT AHU.
- TO FIRE ALARM CONTROL PANEL. SEPERATE ZONE REQUIRED FOR EACH MOTOR.
- MOUNT REMOTE FAN SHUTDOWN RELAYS NEAR CONTROLLER OR EQUIPMENT.
- TO REMOTE ALARM INDICATOR/TEST STATION. LOCATE IN FINISHED CEILING IMMEDIATELY BELOW UNIT, OR ON VISIBLE WALL IN ASSOCIATED FAN ROOM.

NOTE: STATION NOT REQUIRED FOR ADDRESSABLE-TYPE DETECTORS.

NOTE: PROVIDE QUANTITY AS REQUIRED BY DUCT GEOMETRY.

NOTE: IDENTIFY NOTE 1 AND NOTE 6 EQUIPMENT AS PER FOLLOWING EXAMPLE: AHU-1 SUPPLY, FACP ZONE 2. PROVIDE BLACK LAMINATED NAMEPLATE WITH WHITE LETTERS.

