



Sunman-Dearborn Community Schools  
BP#1 - Early Mechanical

# ADDENDUM 2

## Updated Drawings

Date: 8/12/24

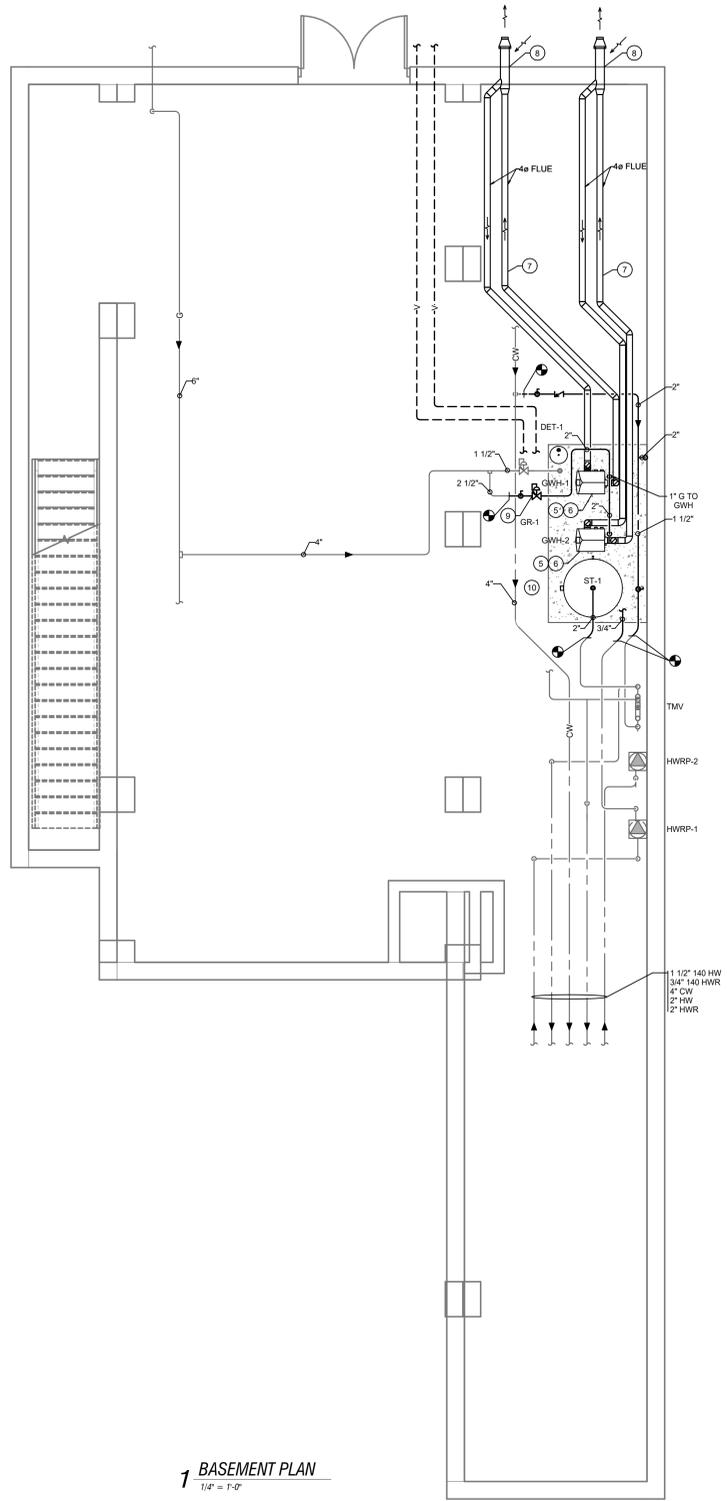


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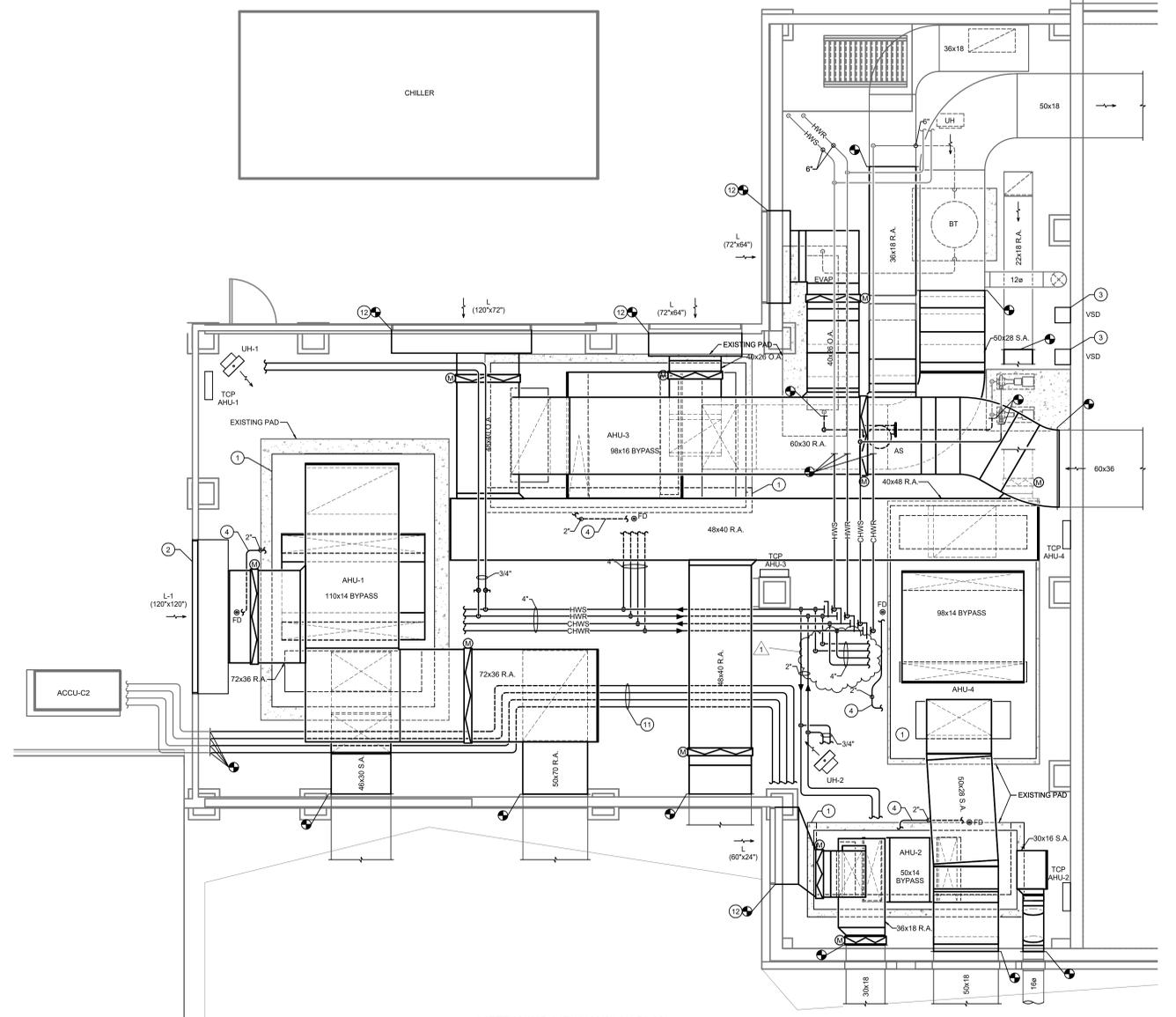
**Bright Elementary School**

**8 / 12 / 24**





**1 BASEMENT PLAN**  
1/4" = 1'-0"



**2 MEZZANINE MECHANICAL PLAN**  
1/4" = 1'-0"

- PLAN NOTES**
1. PROVIDE AND INSTALL NEW AIR HANDLING UNIT ON EXISTING CONCRETE HOUSEKEEPING PAD. EXTEND EXISTING PAD AS REQUIRED.
  2. PROVIDE AND INSTALL NEW LOUVER IN EXISTING OPENING. FIELD VERIFY EXACT DIMENSIONS AND CONDITIONS. SEAL LOUVER PERIMETER AIR AND WATER TIGHT.
  3. REINSTALL SALVAGED CHILLED WATER PUMP VARIABLE SPEED DRIVES TO BE FULLY FUNCTIONAL.
  4. ROUTE NEW CONDENSATE PIPING FROM NEW AIR HANDLING UNIT TO EXISTING FLOOR DRAIN. CUT EXISTING FLOOR DRAIN GRATE AS REQUIRED TO RECEIVE CONDENSATE.
  5. PROVIDE AND INSTALL NEW MODULAR CONDENSING DOMESTIC WATER HEATER. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR CLEARANCE, PIPING, AND VENTING.
  6. ROUTE WATER HEATER CONDENSATE DRAIN TO CONDENSATE NEUTRALIZATION KIT AND DISCHARGE DIRECTLY INTO NEAREST FLOOR DRAIN.
  7. PROVIDE AND INSTALL NEW POLYPROPYLENE BOILER FLUE. VERIFY VENTING REQUIREMENTS WITH BOILER MANUFACTURER.
  8. CORE DRILL EXISTING MASONRY FROM EXTERIOR AS REQUIRED FOR NEW WALL PENETRATION. PATCH AND SEAL WALL PENETRATION WITH GROUT.
  9. PROVIDE AND INSTALL NEW GAS REGULATOR. REFER TO DETAIL ON DRAWING SHEET M402 FOR MORE INFORMATION.
  10. REFER TO PLUMBING FLOW DIAGRAM ON DRAWING SHEET M401 FOR MORE INFORMATION.
  11. TIE-IN TO EXISTING REFRIGERANT PIPING AND EXTEND NEW TO AHU-2. SUPPORT NEW PIPING ON FLOOR. VERIFY PIPE ROUTING, SIZES, QUANTITIES, AND ALL PIPING REQUIREMENTS WITH MANUFACTURER.
  12. RECONNECT TO EXISTING LOUVER. PROVIDE AND INSTALL NEW BIRDSCREEN.

- GENERAL NOTES**
1. UNLESS NOTED OTHERWISE, IN BOILER ROOM AND MECHANICAL MEZZANINE, PROVIDE AND INSTALL ALUMINUM JACKETING ON ALL PIPE INSULATION BELOW 6'-0" AFF. EXTEND JACKETING TO NEAREST FITTING ABOVE 6'-0" AFF.

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*ASL*

REVISIONS:

#	DATE	DESCRIPTION
1	8/12/2024	ADDENDUM #2

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PROJECT: #19150  
DATE: 07/24/2024  
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ENLARGED MECHANICAL PLANS

M201



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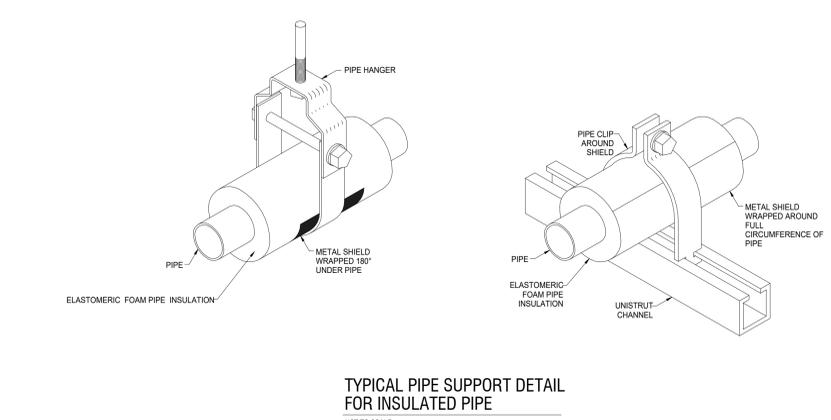
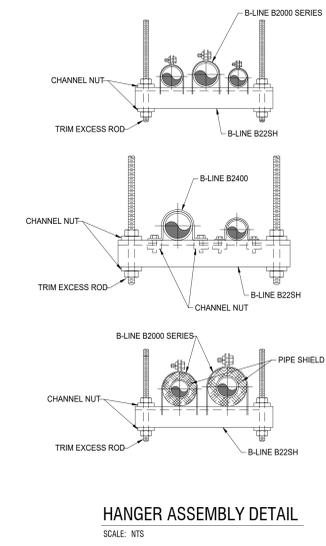
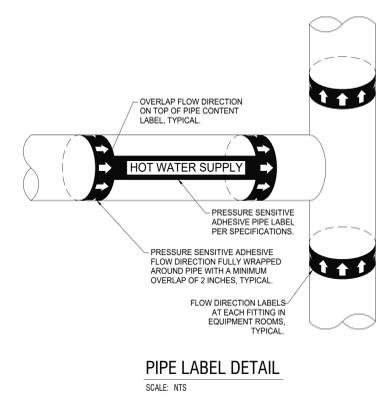
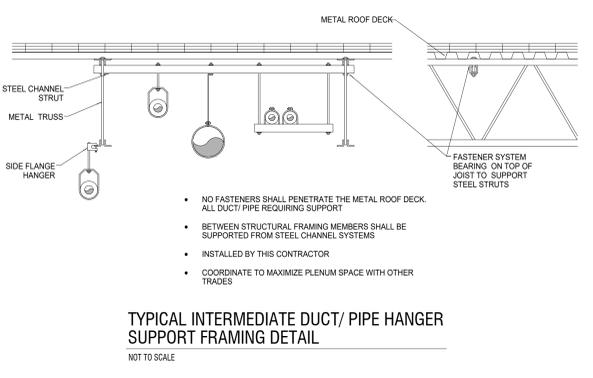
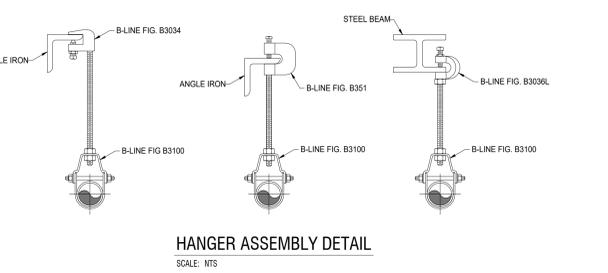
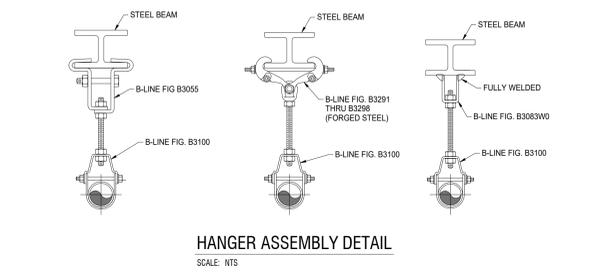
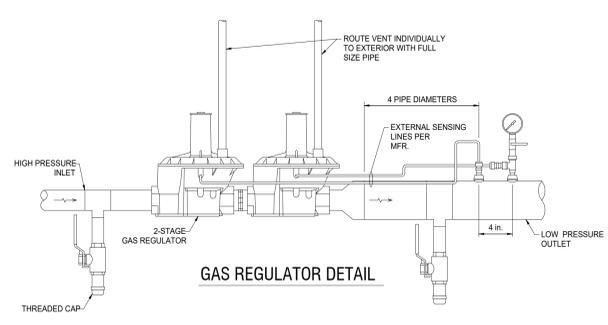
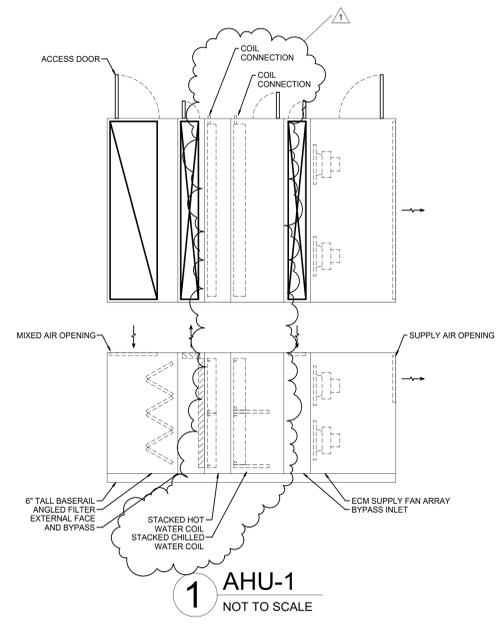
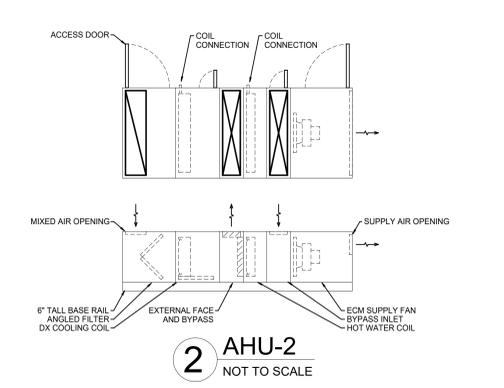
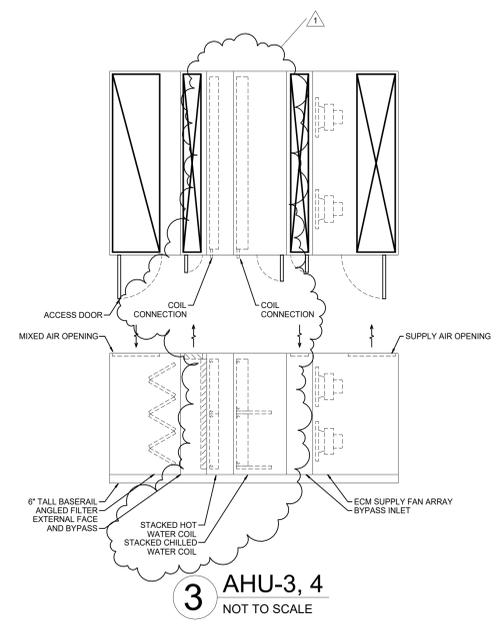
*[Signature]*

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1	8/12/2024	ADDENDUM #2

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PROJECT: #19150
DATE: 07/24/2024
DRAWN BY: ASL

**MECHANICAL DETAILS**

**M402**





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# **North Dearborn Elementary**

## **8 / 12 / 24**

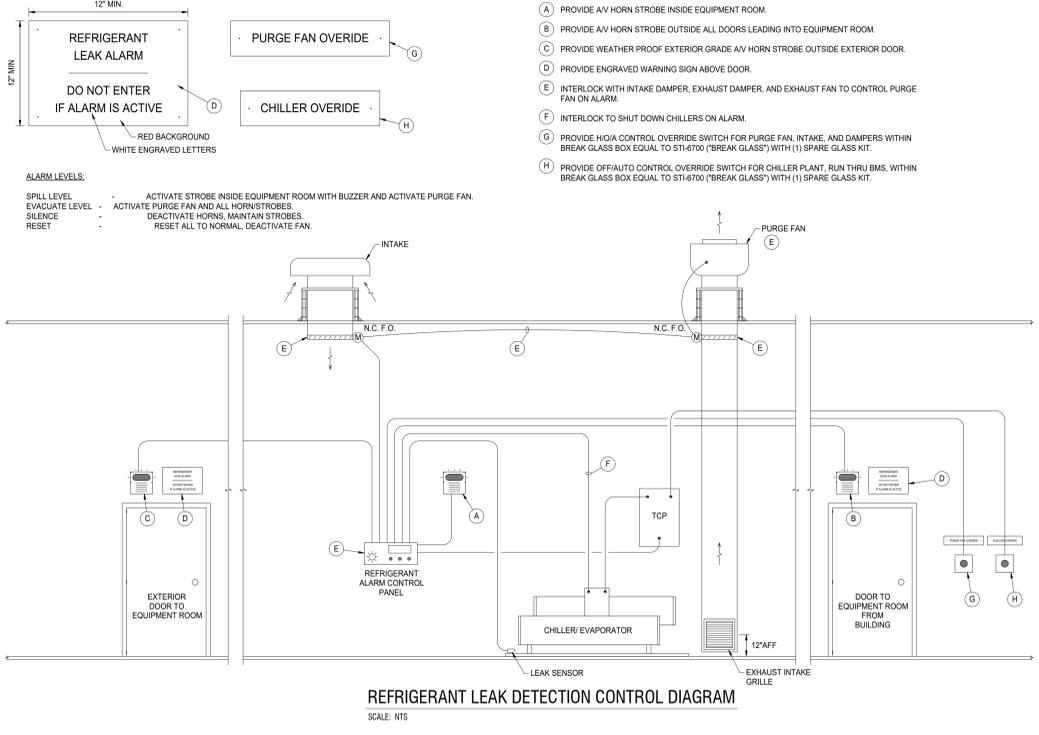
SUNMAN-DEARBORN COMM. SCHOOL CORP. NORTH DEARBORN ELEMENTARY	CONTROLS POINT LIST SCHEDULE																																	
	OUTPUT (O)		HARDWARE										ALARMS		SOFTWARE																			
	DIGITAL	ANALOG	DIGITAL	INPUT (T, D, V, C)			ANALOG				DIGITAL	ANALOG	BMS FUNCTIONS																					
Point Description	Control Relay/Contactor	Float Point Control	Pneumatic Transducer	Pressure Switch	Flow Switch	Space Occupancy Sensor	Over-ride button	Contact Closure	Auxiliary Contact	KW Meter Contact	Relative Humidity	Set Point Adjustment	Carbon Dioxide Level (ppm)	Carbon Monoxide (ppm)	Pressure (in H2O, ft H2O, DP)	Flow Measurement (gpm/cfm)	Electrical Current Flow (amps)	Position Feedback	Trending	Equipment Alarm	Freeze Alarm	Maintenance Notification	High Limit (Temperature)	Low Limit (Temperature)	Reset	Scheduled On/Off	Optimum Start/Stop	Totals	O.A. Reset	Lead/Lag Control	BACNET software point	Lighting Control Integration	Color Graphics Item	
Exhaust fans EF	Enable/disable	Fan motor status	Control damper																															
Refrigerant Exhaust Fan EF-1	Exhaust fan start/stop	Intake / Exhaust Dampers	Refrigerant Leak Detection																															
Relief fans RF	Enable/disable	Fan speed	Fan motor status	Control damper	Zone differential pressure																													
Makeup air unit MAU	Fan motor status	Discharge air																																
Mink-split HVAC	Space																																	
Heating hot water plant	Boiler Plant enable/disable	Hot water supply setpoint	Boiler alarm	Boiler firing rate	Boiler status	Boiler leaving temp	HWS loop to building	HWR loop from building	Boiler Room Carbon Monoxide	Hot water system fill pressure	Flow meter hot water flow rate FM-1																							
Cooling chilled water plant	Chiller plant enable/disable	Chilled water supply setpoint	Chiller alarm	Chiller capacity %	Chiller status	Chiller leaving water temp	Chiller pump status	CHWS loop to building	CHWR loop from building																									
P-1 and P-2 (Hot Water Distribution)	Pump start/stop	Pump speed	VSD alarm contact	System DP																														
Chilled water pumps	Pump start/stop	Pump speed	VSD alarm contact	System DP																														
Domestic water heater plant	Water heater status	Water heater circ pump status	Water heater firing rate %	Storage tank temp	Thermostatic mixing valve disch	HWRP enable/disable	HWRP return water temp																											
Lighting Control Relays	Exterior photo sensor	Exterior parking lights	Exterior building lights	Interior lights																														

SUNMAN-DEARBORN COMM. SCHOOL CORP. NORTH DEARBORN ELEMENTARY	CONTROLS POINT LIST SCHEDULE																																		
	OUTPUT (O)		HARDWARE										ALARMS		SOFTWARE																				
	DIGITAL	ANALOG	DIGITAL	INPUT (T, D, V, C)			ANALOG				DIGITAL	ANALOG	BMS FUNCTIONS																						
Point Description	Control Relay/Contactor	Float Point Control	Pneumatic Transducer	Pressure Switch	Flow Switch	Space Occupancy Sensor	Over-ride button	Contact Closure	Auxiliary Contact	KW Meter Contact	Relative Humidity	Set Point Adjustment	Carbon Dioxide Level (ppm)	Carbon Monoxide (ppm)	Pressure (in H2O, ft H2O, DP)	Flow Measurement (gpm/cfm)	Electrical Current Flow (amps)	Position Feedback	Trending	Equipment Alarm	Freeze Alarm	Maintenance Notification	High Limit (Temperature)	Low Limit (Temperature)	Reset	Scheduled On/Off	Optimum Start/Stop	Totals	O.A. Reset	Lead/Lag Control	BACNET software point	Lighting Control Integration	Color Graphics Item		
CSAC-E1, F1, F2	Enable/disable	Supply fan VSD Enable	Supply fan VSD alarm	OA damper	OA airflow AFMS	RA damper	Heating coil valve	Chilled water cooling valve	Return air	Mixed air	Freeze/stop sensor	Supply air duct static pressure																							
CSAC-D1	Enable/disable	Supply fan VSD Enable	Supply fan VSD alarm	OA damper	OA airflow AFMS	RA damper	Economizer damper	Heating coil valve	Stages of DX cooling	Return air	Mixed air	Discharge air	Freeze/stop sensor	Supply air duct static pressure																					
CSAC-G1	Enable/disable	Supply fan VSD Enable	Supply fan VSD alarm	OA damper	OA airflow AFMS	RA damper	Economizer damper	Heating coil valve	Chilled water cooling valve	Return air	Mixed air	Discharge air	Freeze/stop sensor	Supply air duct static pressure																					
CSAC-D1	Enable/disable	Supply fan VSD Enable	Supply fan VSD alarm	OA damper	OA airflow AFMS	RA damper	Economizer damper	Heating coil valve	Chilled water cooling valve	Return air	Mixed air	Discharge air	Freeze/stop sensor	Supply air duct static pressure																					
ERW-A1	Enable/disable	Supply fan VSD Enable	Supply fan VSD alarm	Supply air duct static pressure	Exhaust fan VSD Enable	Exhaust fan VSD alarm	Exhaust air duct static pressure	ERV Wheel VSD Enable	ERV Wheel VSD alarm	Exhaust air entering	Exhaust air leaving	Outside air entering	Outside air leaving																						

SUNMAN-DEARBORN COMM. SCHOOL CORP. NORTH DEARBORN ELEMENTARY	CONTROLS POINT LIST SCHEDULE																																	
	OUTPUT (O)		HARDWARE										ALARMS		SOFTWARE																			
	DIGITAL	ANALOG	DIGITAL	INPUT (T, D, V, C)			ANALOG				DIGITAL	ANALOG	BMS FUNCTIONS																					
Point Description	Control Relay/Contactor	Float Point Control	Pneumatic Transducer	Pressure Switch	Flow Switch	Space Occupancy Sensor	Over-ride button	Contact Closure	Auxiliary Contact	KW Meter Contact	Relative Humidity	Set Point Adjustment	Carbon Dioxide Level (ppm)	Carbon Monoxide (ppm)	Pressure (in H2O, ft H2O, DP)	Flow Measurement (gpm/cfm)	Electrical Current Flow (amps)	Position Feedback	Trending	Equipment Alarm	Freeze Alarm	Maintenance Notification	High Limit (Temperature)	Low Limit (Temperature)	Reset	Scheduled On/Off	Optimum Start/Stop	Totals	O.A. Reset	Lead/Lag Control	BACNET software point	Lighting Control Integration	Color Graphics Item	
Outside Air	Enable/disable	Primary air damper	Primary airflow (cfm)	Hot water reheat valve	Discharge air	Space																												
VAV fan powered reheat boxes	Enable/disable	Primary air damper	Supply fan HI speed	Supply fan LO speed	Primary airflow (cfm)	Hot water reheat valve	Discharge air	Space																										
Duct heating coil DC	Enable/disable	Hot water valve	Discharge air	Space																														
Vestibule cabinet heater CUH	Enable/disable	Hot water valve	Supply fan	Space																														
Radiant ceiling panel RCP	Enable/disable	Hot water valve	Space																															
Hot water convector CONV	Enable/disable	Hot water valve	Space																															
Finned tube radiation FTR	Enable/disable	Hot water valve	Space																															
Unit heater UH	Enable/disable	Hot water valve	Supply fan	Space																														
CSAC-A1	Enable/disable	Supply fan VSD Enable	Supply fan VSD alarm	OA damper	OA airflow AFMS	RA damper	Economizer damper	Heating coil valve	Chilled water cooling valve	Return air	Mixed air	Discharge air	Freeze/stop sensor	Supply air duct static pressure																				
CSAC-B1, C1	Enable/disable	Supply fan VSD Enable	Supply fan VSD alarm	OA damper	OA airflow AFMS	RA damper	Face and bypass damper	Heating coil valve	Chilled water cooling valve	Return air	Mixed air	Discharge air	Freeze/stop sensor	Supply air duct static pressure																				

NOTES:

- (A) PROVIDE A/V HORN STROBE INSIDE EQUIPMENT ROOM.
- (B) PROVIDE A/V HORN STROBE OUTSIDE ALL DOORS LEADING INTO EQUIPMENT ROOM.
- (C) PROVIDE WEATHER PROOF EXTERIOR GRADE A/V HORN STROBE OUTSIDE EXTERIOR DOOR.
- (D) PROVIDE ENGRAVED WARNING SIGN ABOVE DOOR.
- (E) INTERLOCK WITH INTAKE DAMPER, EXHAUST DAMPER, AND EXHAUST FAN TO CONTROL PURGE FAN ON ALARM.
- (F) INTERLOCK TO SHUT DOWN CHILLERS ON ALARM.
- (G) PROVIDE H/OA CONTROL OVERRIDE SWITCH FOR PURGE FAN, INTAKE, AND DAMPERS WITHIN BREAK GLASS BOX EQUAL TO STI-6700 ("BREAK GLASS") WITH (1) SPARE GLASS KIT.
- (H) PROVIDE OFF/AUTO CONTROL OVERRIDE SWITCH FOR CHILLER PLANT. RUN THRU BMS. WITHIN BREAK GLASS BOX EQUAL TO STI-6700 ("BREAK GLASS") WITH (1) SPARE GLASS KIT.



REFRIGERANT LEAK DETECTION CONTROL DIAGRAM  
SCALE: NTS

CONTROLS INFORMATION

1. EXISTING CONTROL DAMPERS AND CONTROL VALVES SHALL REMAIN. CONTRACTOR SHALL REMOVE EXISTING ACTUATORS. PROVIDE AND INSTALL NEW ACTUATORS ON EXISTING CONTROL DAMPERS AND CONTROL VALVES. MODIFY EXISTING CONTROL VALVE STEM AND CONTROL DAMPER LINKAGE AS REQUIRED.
2. EXISTING VARIABLE SPEED DRIVES AND AIRFLOW MEASURING STATIONS SHALL REMAIN.
3. CONTRACTOR SHALL REMOVE EXISTING TEMPERATURE CONTROLS CABLING, CONDUIT, WIRING, TUBING, SURFACE GAGEWAY, WIREMOLD, AND ASSOCIATED MOUNTING DEVICES.
4. CONTRACTOR SHALL REMOVE ALL EXISTING TEMPERATURE CONTROLS SENSORS, THERMOSTATS, RELAYS, CONTROL PANELS, CONTROL UNITS, UNITARY CONTROLLERS, AND POWER SUPPLIES.
5. CONTRACTOR SHALL REMOVE ALL EXISTING IDENTIFICATION LABELS. PROVIDE AND INSTALL NEW EQUIPMENT LABELS ON ALL EXISTING EQUIPMENT. ALL EQUIPMENT IDENTIFICATION AND TAGS SHALL BE UNIQUE. UPDATE EQUIPMENT LABELS AND GRAPHICS INFORMATION AS REQUIRED.
6. CONTRACTOR SHALL CLEAN EXISTING VAV TERMINAL FLOW RINGS AND TUBING TO REMOVE ALL DUST AND DEBRIS.
7. CONTRACTOR SHALL ENGAGE AABC OR NEBB TAB SPECIALIST TO TEST AND BALANCE ALL EXISTING VAV TERMINALS AND ALL EXISTING CENTRAL STATION AIR HANDLING UNITS.
8. CONTRACTOR SHALL CAREFULLY SALVAGE EXISTING LAY-IN CEILING TILES AND WORK THROUGH EXISTING GRID AS REQUIRED TO GAIN ACCESS FOR WORK. CONTRACTOR SHALL INSTALL SALVAGED CEILING TILES AFTER WORK IS COMPLETE.
9. CONTRACTOR SHALL INCLUDE FURNISH AND INSTALLATION OF MINIMUM (10) 18"x18" CEILING MOUNTED ACCESS DOORS EQUAL TO WESTON/NMT SERIES AS REQUIRED FOR ACCESS TO WORK ABOVE EXISTING GYPSUM AND PLASTER CEILINGS. REFER TO ACCESS DOOR DETAIL.

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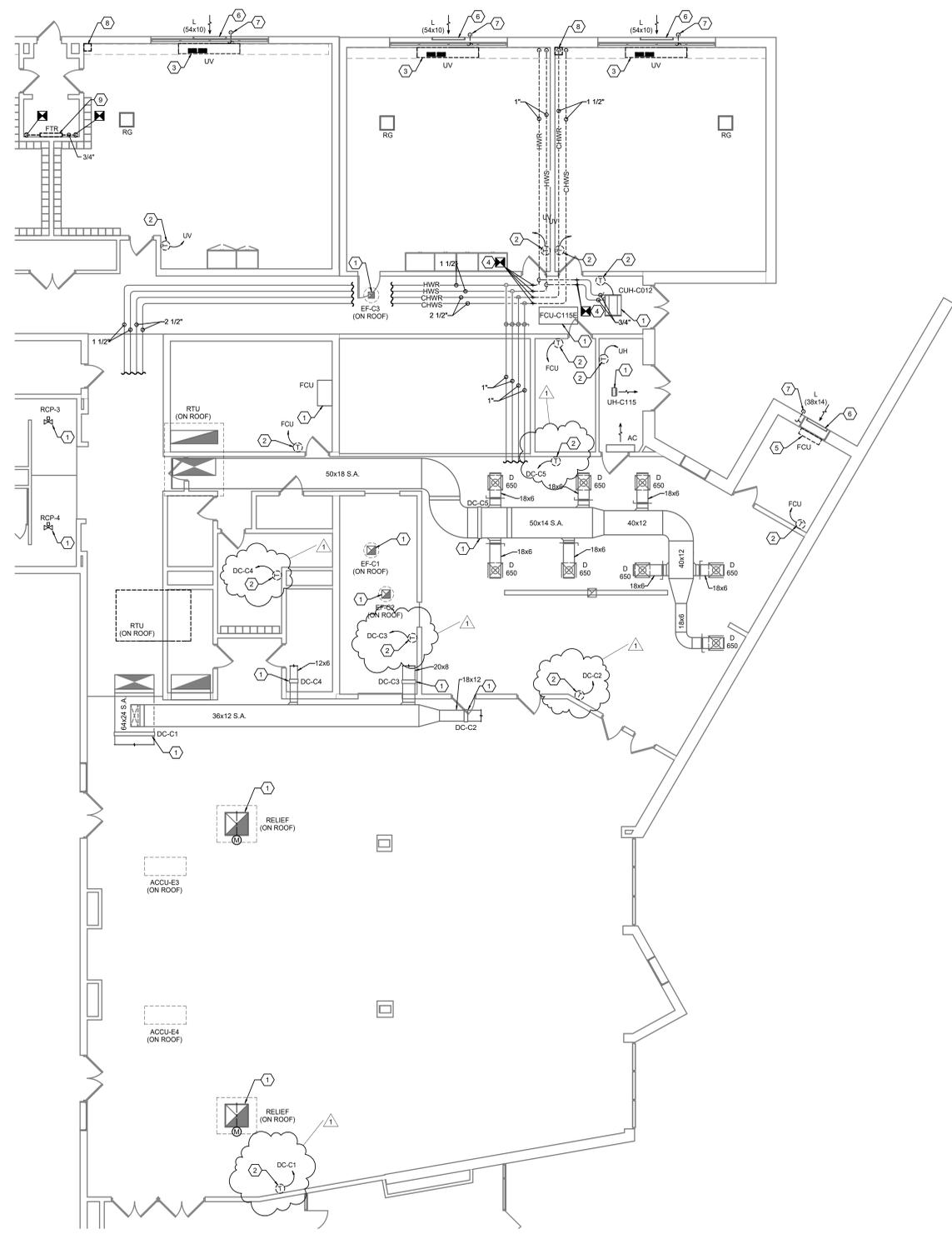


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**Sunman Elementary School**  
**8 / 12 / 24**



- DEMOLITION PLAN NOTES**
1. REMOVE EXISTING CONTROLS COMPLETE INCLUDING ASSOCIATED WIRING AND MOUNTING DEVICES. PREPARE REMAINING EQUIPMENT TO RECEIVE NEW CONTROLS. REFER TO CONTROLS DETAILS ON M011 FOR MORE INFORMATION.
  2. REMOVE EXISTING THERMOSTAT COMPLETE INCLUDING ASSOCIATED WIRING, WIREMOLD, AND MOUNTING DEVICES.
  3. REMOVE EXISTING UNIT VENTILATOR COMPLETE INCLUDING ASSOCIATED PIPING, MOUNTING DEVICES, AND CONTROLS.
  4. DISCONNECT AND REMOVE EXISTING PIPING COMPLETE INCLUDING ASSOCIATED HANGERS. CAP REMAINING PIPING AT NEAREST ACTIVE MAIN.
  5. DISCONNECT AND REMOVE EXISTING FAN COIL UNIT COMPLETE INCLUDING ASSOCIATED PIPING, MOUNTING DEVICES, AND CONTROLS. CAP AND ABANDON EXISTING LOUVER.
  6. EXISTING LOUVER TO REMAIN. REMOVE EXISTING BIRD SCREEN. REMOVE ALL DIRT, DUST, DEBRIS, AND OBSTRUCTIONS. PREPARE LOUVER FOR RECONNECT WITH NEW.
  7. REMOVE EXISTING CONDENSATE PIPING COMPLETE. PATCH REMAINING OPENING WITH COLOR MATCHING NON-SHRINK GROUT.
  8. REMOVE EXISTING SHEET METAL PIPE CHASE COMPLETE INCLUDING ASSOCIATED MOUNTING DEVICES.
  9. REMOVE EXISTING FINNED TUBE RADIATION COMPLETE INCLUDING ASSOCIATED PIPING, MOUNTING DEVICES, AND CONTROLS. CAP AND ABANDON REMAINING PIPING AT FLOOR PENETRATION.



**1 MECHANICAL DEMOLITION PLAN - FIRST FLOOR - UNIT C**  
SCALE: 1/8" = 1'-0"

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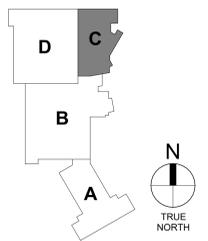


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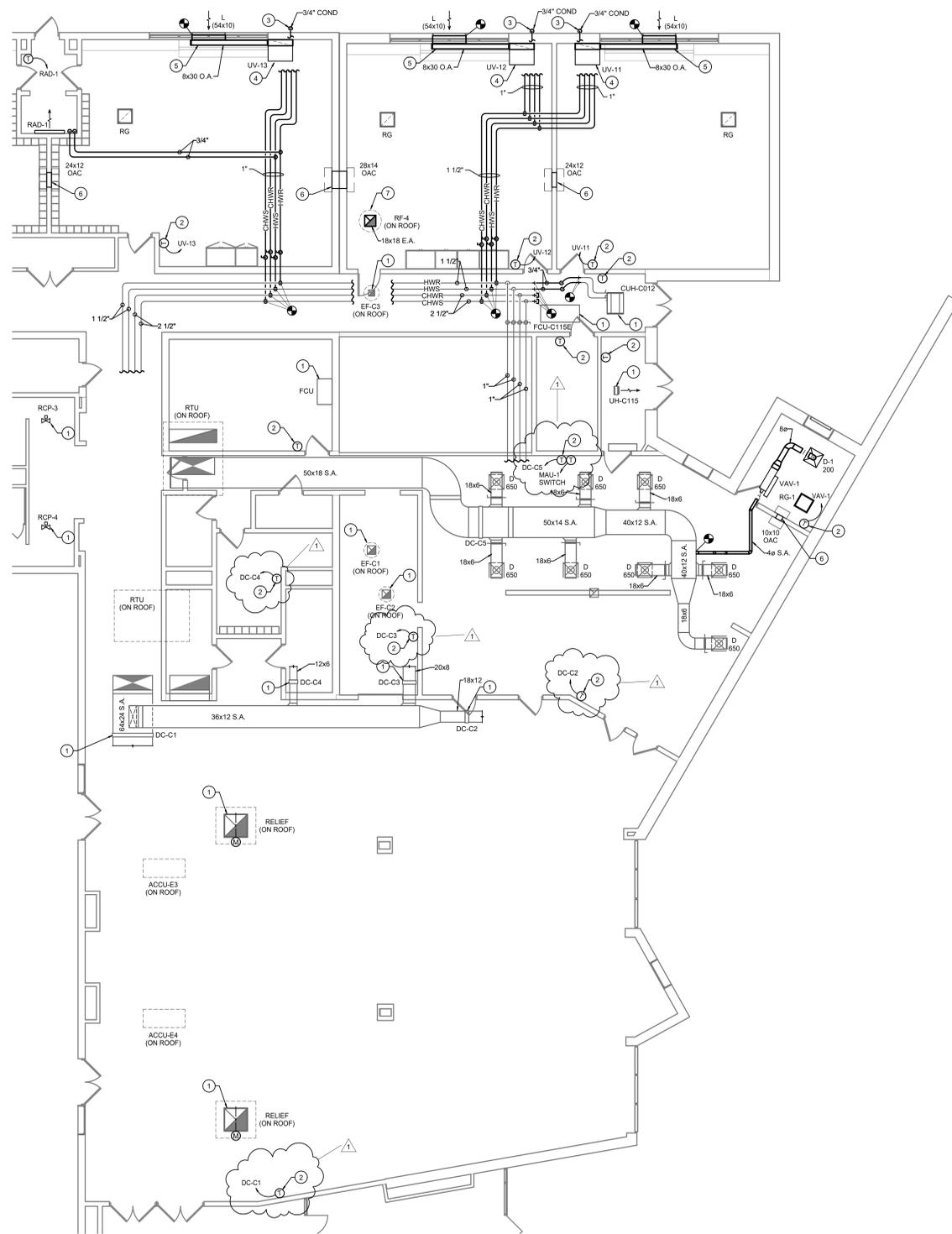
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**MECHANICAL DEMO PLAN - FIRST FLOOR - UNIT C**

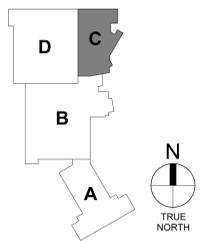


- PLAN NOTES**
1. PROVIDE AND INSTALL NEW CONTROLS FOR EXISTING EQUIPMENT. REFER TO DRAWING SHEET M101 FOR MORE INFORMATION.
  2. PROVIDE AND INSTALL NEW THERMOSTAT FOR EXISTING EQUIPMENT. ROUTE NEW WIRING THROUGH SURFACE RACEWAY TO NEW THERMOSTAT AT ADA ACCESSIBLE MOUNTING HEIGHT.
  3. CORE DRILL EXISTING EXTERIOR MASONRY WALL FROM EXTERIOR FOR NEW CONDENSATE PIPE PENETRATION. SEAL WITH COLOR MATCHING NON-SHRINK GROUT.
  4. PROVIDE AND INSTALL NEW VERTICAL UNIT VENTILATOR. REFER TO UNIT VENTILATOR DETAILS ON DRAWING SHEET M101 FOR MORE INFORMATION.
  5. CONNECT NEW 8" WIDE x 30" TALL OUTSIDE AIR DUCT THROUGH NEW CHASE FROM EXISTING LOUVER TO NEW UNIT VENTILATOR REAR PLENUM.
  6. PROVIDE AND INSTALL THROUGH-WALL RELIEF AIR OPENING ABOVE CEILING. LOCATE TO MAINTAIN CLEARANCE EQUAL TO MINOR DUCT DIMENSION OR 12" MINIMUM EACH SIDE FOR AIRFLOW.
  7. PROVIDE AND INSTALL NEW ROOF-MOUNTED RELIEF FAN. CUT EXISTING ROOF AS REQUIRED FOR NEW OPENING. MAINTAIN EXISTING ROOF WARRANTY.



**1 FIRST FLOOR MECHANICAL PLAN - UNIT C**  
SCALE: 1/8" = 1'-0"

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LANCER ASSOCIATES ARCHITECTURE  
145 NORTH EAST STREET  
INDIANAPOLIS, IN 46204

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SUNMAN-DEARBORN COMM. SCHOOL CORP.  
RENOVATIONS TO SUNMAN ELEMENTARY SCHOOL  
925 N Meridian St, Sunman, IN 47041



*[Signature]*

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1	8/12/2024	ASL	DMR

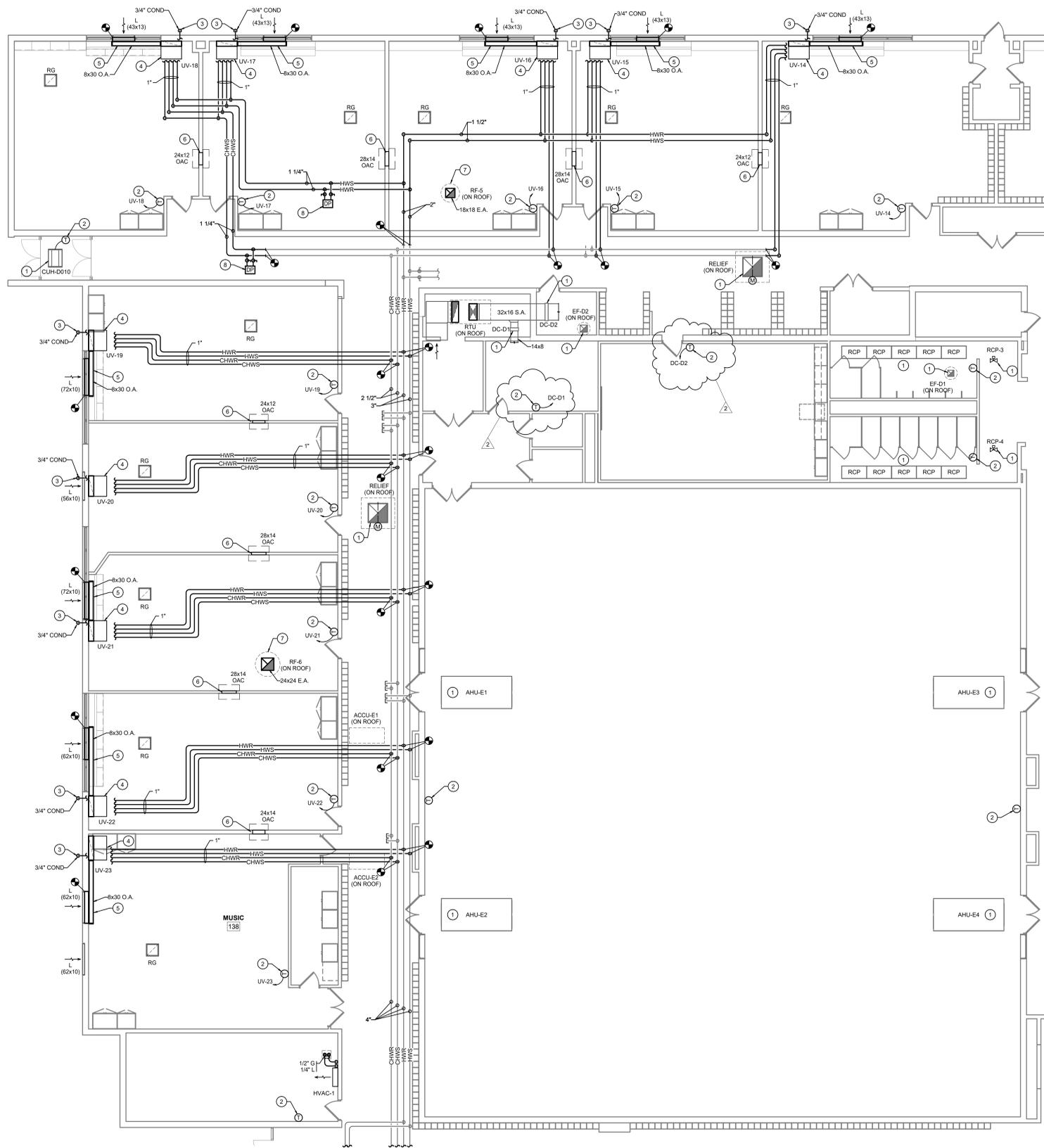
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DATE: 07/24/2024  
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MECHANICAL PLAN - FIRST FLOOR - UNIT C

M101C

PRIMARY JOB # 24588



- PLAN NOTES**
1. PROVIDE AND INSTALL NEW CONTROLS FOR EXISTING EQUIPMENT. REFER TO DRAWING SHEET M601 FOR MORE INFORMATION.
  2. PROVIDE AND INSTALL NEW THERMOSTAT FOR EXISTING EQUIPMENT. ROUTE NEW WIRING THROUGH SURFACE RACEWAY TO NEW THERMOSTAT AT ADA ACCESSIBLE MOUNTING HEIGHT.
  3. CORE DRILL EXISTING EXTERIOR MASONRY WALL FROM EXTERIOR FOR NEW CONDENSATE PIPE PENETRATION. SEAL WITH COLOR MATCHING NON-SHRINK GROUT.
  4. PROVIDE AND INSTALL NEW VERTICAL UNIT VENTILATOR. REFER TO UNIT VENTILATOR DETAILS ON DRAWING SHEET M601 FOR MORE INFORMATION.
  5. CONNECT NEW 8" WIDE x 30" TALL OUTSIDE AIR DUCT THROUGH NEW CHASE FROM EXISTING LOUVER TO NEW UNIT VENTILATOR REAR PLENUM.
  6. PROVIDE AND INSTALL THROUGH-WALL RELIEF AIR OPENING ABOVE CEILING. LOCATE TO MAINTAIN CLEARANCE EQUAL TO MINOR DUCT DIMENSION OR 12" MINIMUM EACH SIDE FOR AIRFLOW.
  7. PROVIDE AND INSTALL NEW ROOF-MOUNTED RELIEF FAN. CUT EXISTING ROOF AS REQUIRED FOR NEW OPENING. MAINTAIN EXISTING ROOF WARRANTY.
  8. NEW DIFFERENTIAL PRESSURE SENSOR FOR VARIABLE SPEED PUMP CONTROL.

**1 FIRST FLOOR MECHANICAL PLAN - UNIT D**  
SCALE: 1/8" = 1'-0"



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SUNMAN-DEARBORN COMM. SCHOOL CORP.  
RENOVATIONS TO SUNMAN ELEMENTARY SCHOOL  
925 N Meridian St, Sunman, IN 47041

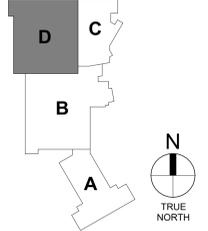


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2	8/12/2024	ADDENDUM #2

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MECHANICAL PLAN - FIRST FLOOR - UNIT D



M101D  
TRUE NORTH  
PRIMARY JOB # 24588

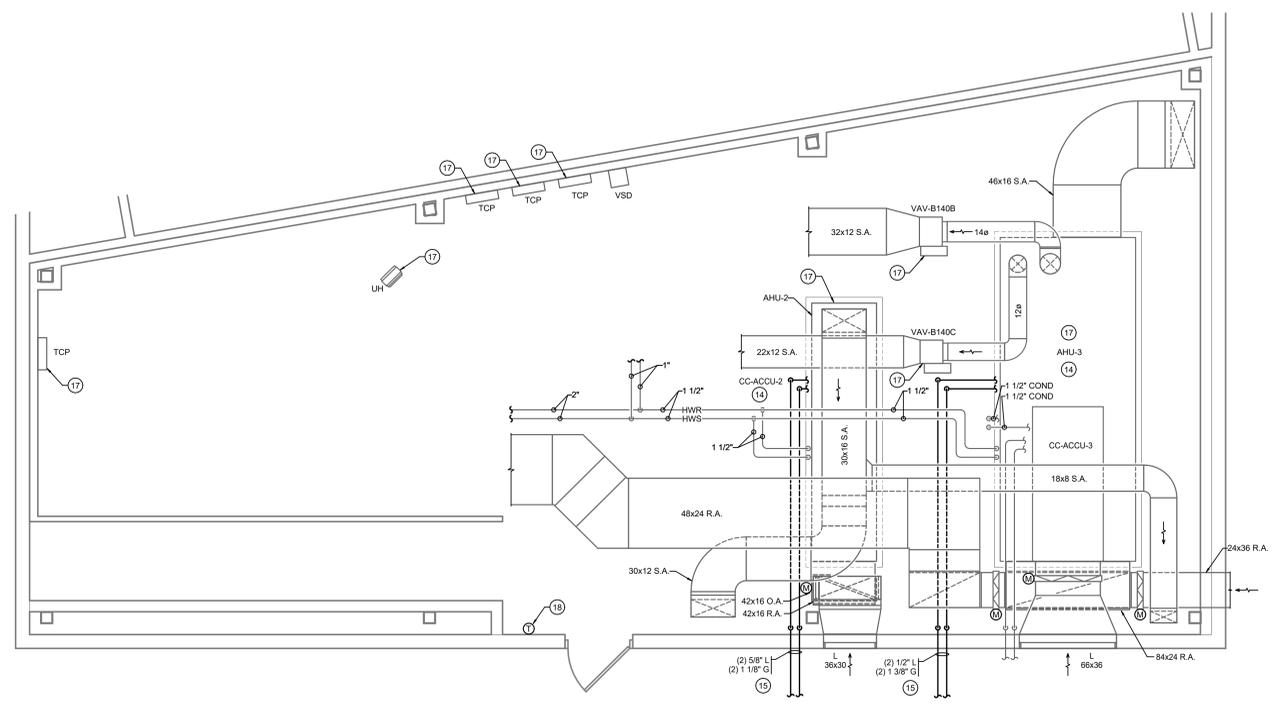
REVISIONS:	DATE:	BY:	CHKD BY:
1	8/5/2024	ADDENDUM #1	
2	8/12/2024	ADDENDUM #2	

100% CONSTRUCTION DOCUMENTS  
PROJECT: #23138  
DATE: 07/24/2024  
DRAWN BY: ASL

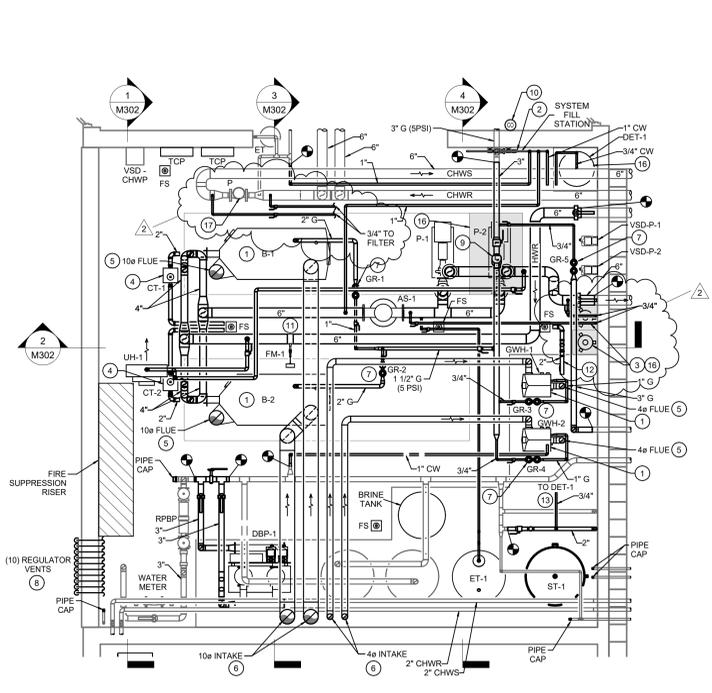
MECHANICAL PLANS - ENLARGED

- PLAN NOTES**
- PROVIDE AND INSTALL NEW MODULAR CONDENSING BOILERWATER HEATER. REFER TO DETAILS ON DRAWING SHEET M402 FOR MORE INFORMATION. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS FOR CLEARANCE, PIPING, AND VENTING.
  - TIE-IN TO EXISTING DOMESTIC COLD WATER PIPING AND ROUTE NEW TO NEW SYSTEM FILL STATION. REFER TO SYSTEM FILL STATION DETAIL ON DRAWING SHEET M402 FOR MORE INFORMATION.
  - PROVIDE AND INSTALL NEW BYPASS FILTER FEEDER, FURNISHED BY CHEMICAL TREATMENT PROVIDER. REFER TO WATER TREATMENT SPECIFICATIONS FOR MORE INFORMATION.
  - ROUTE BOILER FLUE CONDENSATE DRAIN TO NEW FLOOR MOUNTED CONDENSATE NEUTRALIZATION TANK. MODIFY INLET AND OUTLET CONNECTIONS AS REQUIRED FOR TRAP DEPTH AND CONDENSATE PIPE FALL. DISCHARGE DIRECTLY INTO NEAREST FLOOR DRAIN.
  - PROVIDE AND INSTALL NEW POLYPROPYLENE FLUE. VERIFY VENTING REQUIREMENTS WITH BOILER MANUFACTURER.
  - PROVIDE AND INSTALL NEW COMBUSTION AIR INTAKE. VERIFY VENTING REQUIREMENTS WITH BOILER MANUFACTURER. MAINTAIN MINIMUM 15' TO FLUE TERMINATION.
  - PROVIDE AND INSTALL NEW GAS REGULATOR. REFER TO DETAIL ON DRAWING SHEET M403 FOR MORE INFORMATION.
  - CORE DRILL EXISTING MASONRY FROM EXTERIOR AS REQUIRED TO ROUTE NEW VENT PIPING. PATCH AND SEAL WALL PENETRATION WITH GROUT.
  - TIE-IN TO EXISTING GAS PIPING AND INSTALL AUTOMATIC CONTROL VALVE, FURNISHED BY TCC.
  - BOILER ROOM CARBON MONOXIDE MONITOR FURNISHED AND INSTALLED BY TCC.
  - FLOW METER FURNISHED BY TCC, INSTALLED BY MC. INSTALL PER MANUFACTURERS INSTALLATION REQUIREMENTS FOR CLEARANCE AND UPSTREAM/DOWNSTREAM STRAIGHT PIPE LENGTHS.
  - ROUTE WATER HEATER CONDENSATE DRAIN TO CONDENSATE NEUTRALIZATION KIT AND DISCHARGE DIRECTLY INTO NEAREST FLOOR DRAIN.
  - REFER TO PLUMBING FLOW DIAGRAMS ON DRAWING SHEET M403 FOR MORE INFORMATION.
  - PROVIDE AND INSTALL NEW CUSTOM EVAPORATOR COIL SECTION IN EXISTING AIR HANDLING UNIT AND ROUTE NEW REFRIGERANT PIPING TO NEW CONDENSING UNIT.
  - VERIFY PIPE ROUTINGS, SIZES, QUANTITIES, AND ALL PIPING REQUIREMENTS WITH MANUFACTURER.
  - PROVIDE AND INSTALL EQUIPMENT ON NEW 4' TALL CONCRETE HOUSEKEEPING PAD.
  - PROVIDE AND INSTALL NEW CONTROLS FOR EXISTING EQUIPMENT. REFER TO DRAWING SHEET M401 FOR MORE INFORMATION.
  - PROVIDE AND INSTALL NEW THERMOSTAT FOR EXISTING EQUIPMENT. ROUTE NEW WIRING THROUGH SURFACE RACEWAY TO NEW THERMOSTAT AT ADA ACCESSIBLE MOUNTING HEIGHT.

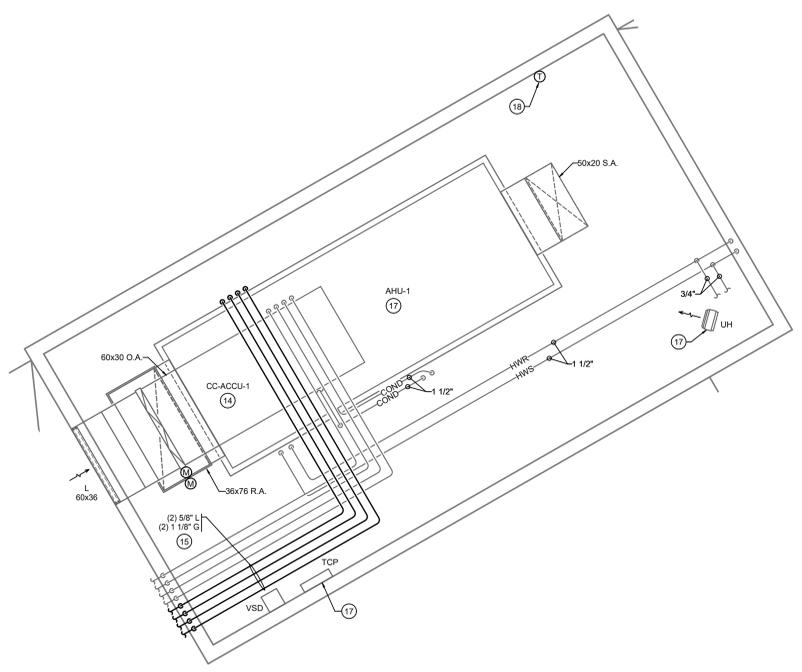
- GENERAL NOTES**
- UNLESS NOTED OTHERWISE, IN BOILER ROOM AND MECHANICAL MEZZANINE, PROVIDE AND INSTALL ALUMINUM JACKETING ON ALL PIPE INSULATION BELOW 6'-0" AFF. EXTEND JACKETING TO NEAREST FITTING ABOVE 6'-0" AFF.



**2 UNIT B MEZZANINE LEVEL MECHANICAL PLAN**  
SCALE: 1/4" = 1'-0"



**3 BOILER ROOM MECHANICAL PLAN**  
SCALE: 1/4" = 1'-0"



**1 UNIT A MEZZANINE LEVEL MECHANICAL PLAN**  
SCALE: 1/4" = 1'-0"

THIS MONOCHROME PRINT SHOULD DISPLAY GRAPHICAL LINES BELOW IF PRINTED PROPERLY WITH 25% SHADES OF GRAY



