



SEDGWICK COUNTY, KANSAS
FINANCE DEPARTMENT
Division of Purchasing
Joseph Thomas, Purchasing Director
525 N. Main, Suite 823 ~ Wichita, KS 67203
Phone: 316 660-7255 Fax: 316 383-7055
<http://sedgwickcounty.org/finance/purchasing.asp>

**ADDENDUM 1
RFB #17-0056
PROPERTY DEMOLITION JUDGE RIDDEL BOYS RANCH**

April 11, 2017

The following is to ensure that vendors have complete information prior to submitting a bid. Here are some clarifications regarding the bid for Property Demolition of Judge Riddel Boys Ranch.

1. Please find attached a floor plan of the main building as requested during the pre-bid meeting. Please note the county cannot guarantee accuracy of this document.
2. Estimated square footage of selected buildings are as follows:

Main JRBR building	42,000 s.f.
Gymnasium	4,977 s.f.
JRT building	2,798 s.f.
3. Concrete and masonry demolition debris, free of organic matter, metals, plastics or other debris not to exceed 6" will be allowed to be used as backfill. A minimum of 30" of compacted clean soil to included 6" of topsoil will be required to cover all such conditions.
4. Section III. 1.5: Change to read "In areas affected by demolition, final grading shall include a minimum of 6" of clean topsoil free of all debris."
5. The due date for bids has been extended, bids are due on May 2nd, 2017 by 1:45p.m. CDT.
6. Please note additional language applicable to the project as outlined below:
 - a. Vendor shall be responsible for securing the site for the duration of the demolition.
 - b. Vendor shall be responsible for barricades on site for the duration of the demolition.
 - c. The county will not be responsible for any monetary or other loss as a result of theft from and/or at the demolition site from any third party. This burden shall fall to the selected vendor and any subcontractors that the selected vendor may use.

Firms interested in submitting a bid, must respond with complete information and deliver **on or before 1:45 p.m. CDT May 2nd, 2017**. Late bids will not be accepted and will not receive consideration for final award.

"PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE *BID* RESPONSE PAGE."

Kim Bush, CPPB
Purchasing Agent

AIR CONDITIONING UNIT SCHEDULE

DESIGNATION	ACU-1	ACU-2	ACU-3	ACU-4	ACU-5	ACU-6	ACU-7	ACU-8	ACU-9	ACU-10	ACU-11	ACU-12	ACU-13	ACU-14
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12
UNIT DIMENSIONS	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"
CFM	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
OUTSIDE AIR CFM	375	375	375	375	375	375	375	375	375	375	375	375	375	375
TOTAL CAP. (BTUH)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
ENT. AIR TEMP. (°F)	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67
LVG. AIR TEMP. (°F)	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
HEATING														
ENT. AIR TEMP. (°F)	70	70	70	70	70	70	70	70	70	70	70	70	70	70
LVG. AIR TEMP. (°F)	55	55	55	55	55	55	55	55	55	55	55	55	55	55
TOTAL HEATER CAPACITY (BTUH)	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000	34,000
MCA	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
VOLTAGE/PHASE	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
PANEL & CIRCUIT	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6
WIRE & CONDUIT	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"
OVERCURRENT DEVICE	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P
CONTROL SEQUENCE	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8
DISCONNECT	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1
BRANCH SELECT														
MODEL	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU
VOLTAGE/PHASE	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
PANEL & CIRCUIT	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7
WIRE & CONDUIT	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"
OVERCURRENT DEVICE	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P
REFERENCE DRAWING/DETAIL	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302
REMARKS	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9

- NOTE 1: FURNISH AND INSTALL 20A / 2 POLE MOTOR RATED SWITCH FOR DISCONNECT AT UNIT
- NOTE 2: COOLING CAPACITY BASED ON NOMINAL CONDITIONS OF 80/67°F RETURN AIR TEMPERATURE
- NOTE 3: HEATING CAPACITY BASED ON NOMINAL CONDITIONS OF 47°F OUTDOOR AIR TEMPERATURE
- NOTE 4: PROVIDE A WATER LEVEL DETECTION DEVICE CONFORMING TO UL508 IN THE PRIMARY CONDENSATE DRAIN PAN. THE WATER LEVEL DETECTION DEVICE SHALL SHUT DOWN AHU-1-3 IN THE EVENT THAT THE PRIMARY DRAIN IS BLOCKED
- NOTE 5: ALL UNITS TO BE VANDAL RESISTANT
- NOTE 6: ROUTE POWER TO SPARE BREAKER IN NEAREST 120/208 3 PHASE 4 WIRE PANEL. MAXIMUM OF 3 UNITS PER CIRCUIT
- NOTE 7: ROUTE POWER TO SAME CIRCUIT AS ACU NOTED ABOVE
- NOTE 8: UNIT TO BE CONTROLLED BY RETURN AIR TEMPERATURE SENSOR AND REMOTE THERMOSTAT LOCATED BY OWNER
- NOTE 9: MANUFACTURER TO PROVIDE FINAL PIPING AND WIRING DIAGRAMS WITH SIZING

AIR CONDITIONING UNIT SCHEDULE

DESIGNATION	ACU-15	ACU-16	ACU-17	ACU-18	ACU-19	ACU-20	ACU-21	ACU-22	ACU-23	ACU-24	ACU-25	ACU-26	ACU-27
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12
UNIT DIMENSIONS	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"	24"x28"x12"
CFM	1377	1377	1377	1377	1377	1377	1377	1377	1377	1377	1377	1377	1377
OUTSIDE AIR CFM	275	275	275	275	275	275	275	275	275	275	275	275	275
TOTAL CAP. (BTUH)	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000
ENT. AIR TEMP. (°F)	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67	80/67
LVG. AIR TEMP. (°F)	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
HEATING													
ENT. AIR TEMP. (°F)	70	70	70	70	70	70	70	70	70	70	70	70	70
LVG. AIR TEMP. (°F)	55	55	55	55	55	55	55	55	55	55	55	55	55
TOTAL HEATER CAPACITY (BTUH)	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000	54,000
MCA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
VOLTAGE/PHASE	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
PANEL & CIRCUIT	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6
WIRE & CONDUIT	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"
OVERCURRENT DEVICE	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P
CONTROL SEQUENCE	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8
DISCONNECT	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1	NOTE 1
BRANCH SELECT													
MODEL	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU	BSVQ36PVU
VOLTAGE/PHASE	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
PANEL & CIRCUIT	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7	NOTE 7
WIRE & CONDUIT	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"
OVERCURRENT DEVICE	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P
REFERENCE DRAWING/DETAIL	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302	ME302
REMARKS	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9	NOTE 2,3,4,5,9

- NOTE 1: FURNISH AND INSTALL 20A / 2 POLE MOTOR RATED SWITCH FOR DISCONNECT AT UNIT
- NOTE 2: COOLING CAPACITY BASED ON NOMINAL CONDITIONS OF 80/67°F RETURN AIR TEMPERATURE
- NOTE 3: HEATING CAPACITY BASED ON NOMINAL CONDITIONS OF 47°F OUTDOOR AIR TEMPERATURE
- NOTE 4: PROVIDE A WATER LEVEL DETECTION DEVICE CONFORMING TO UL508 IN THE PRIMARY CONDENSATE DRAIN PAN. THE WATER LEVEL DETECTION DEVICE SHALL SHUT DOWN AHU-1-3 IN THE EVENT THAT THE PRIMARY DRAIN IS BLOCKED
- NOTE 5: ALL UNITS TO BE VANDAL RESISTANT
- NOTE 6: ROUTE POWER TO SPARE BREAKER IN NEAREST 120/208 3 PHASE 4 WIRE PANEL. MAXIMUM OF 3 UNITS PER CIRCUIT
- NOTE 7: ROUTE POWER TO SAME CIRCUIT AS ACU NOTED ABOVE
- NOTE 8: UNIT TO BE CONTROLLED BY RETURN AIR TEMPERATURE SENSOR AND REMOTE THERMOSTAT LOCATED BY OWNER
- NOTE 9: MANUFACTURER TO PROVIDE FINAL PIPING AND WIRING DIAGRAMS WITH SIZING

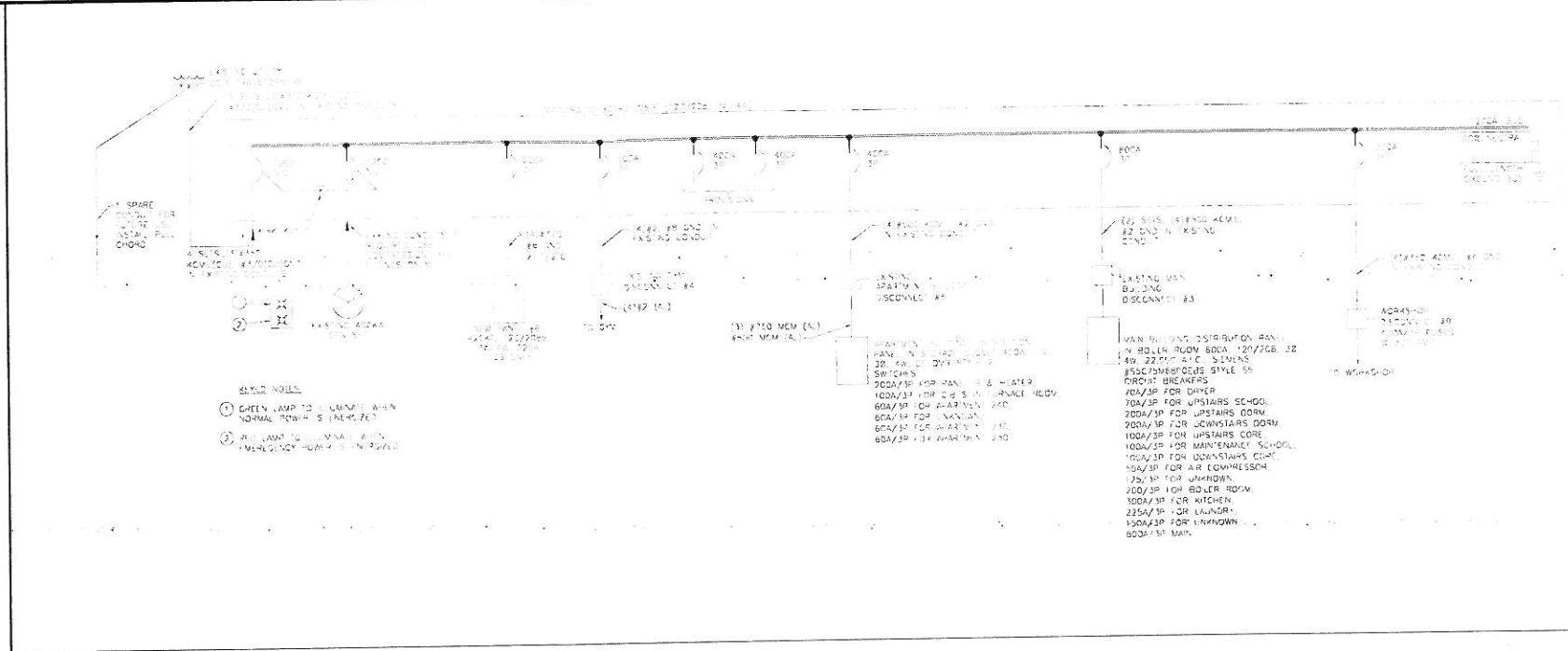
AIR CONDITIONING UNIT SCHEDULE - ALTERNATE

DESIGNATION	ACU-G-1	ACU-G-2	ACU-G-3	ACU-G-4	ACU-G-5	ACU-G-6	ACU-G-7
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12	F4AQ12
UNIT DIMENSIONS	40"x28"x12"	40"x28"x12"	40"x28"x12"	40"x28"x12"	40"x28"x12"	40"x28"x12"	40"x28"x12"
CFM	688	688	688	688	688	688	688
OUTSIDE AIR CFM	140	140	140	140	140	140	140
TOTAL CAP. (BTUH)	24,000	24,000	24,000	24,000	24,000	24,000	24,000
ENT. AIR TEMP. (°F)	80/67	80/67	80/67	80/67	80/67	80/67	80/67
LVG. AIR TEMP. (°F)	55/55	55/55	55/55	55/55	55/55	55/55	55/55
HEATING							
ENT. AIR TEMP. (°F)	70	70	70	70	70	70	70
LVG. AIR TEMP. (°F)	55	55	55	55	55	55	55
TOTAL HEATER CAPACITY (BTUH)	27,000	27,000	27,000	27,000	27,000	27,000	27,000
MCA	1.8	1.8	1.8	1.8	1.8	1.8	1.8
VOLTAGE/PHASE	208/1	208/1	208/1	208/1	208/1	208/1	208/1
PANEL & CIRCUIT	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6	NOTE 6
WIRE & CONDUIT	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"	(2) #12, #12G, 1/2"
OVERCURRENT DEVICE	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P	20A/2P
CONTROL SEQUENCE	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8	NOTE 8
DISCONNECT	NOTE 1	NOTE 1					

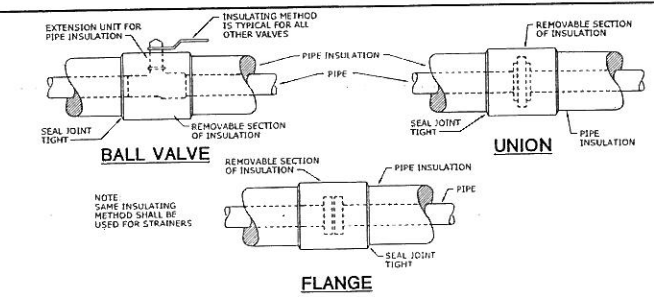
Daikin

smith & boucher
ENGINEERS
25501 west valley parkway
suite 200, dallas, tx 75261
p 973 345 2127 / 888.299.7540 / f 973 345 0817

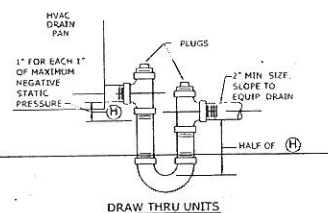
SEDGWICK COUNTY
LAKE AFTON BOYS RANCH
WICHITA KS, SEDGWICK CO.



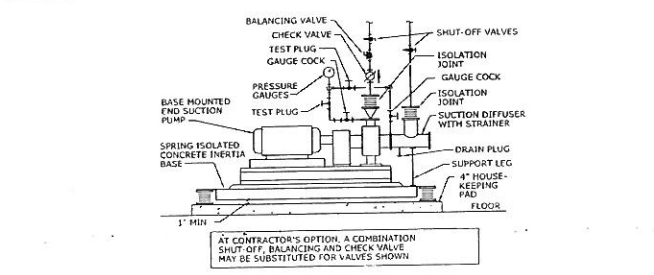
EXISTING ONE-LINE DIAGRAM
NOT TO SCALE



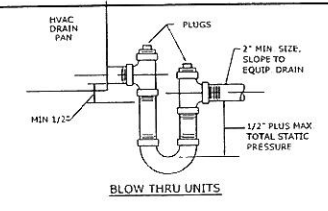
PIPE INSULATION DETAILS
NOT TO SCALE



DRAW THRU UNITS



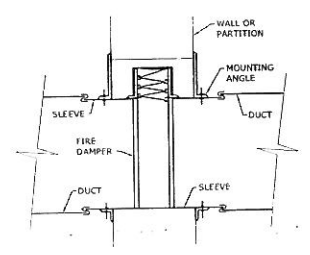
BASE MOUNTED PUMP DETAIL
NOT TO SCALE



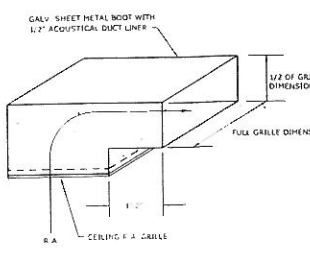
CONDENSATE TRAP DRAIN DETAIL
NOT TO SCALE

AIR COOLED HEAT PUMP UNIT SCHEDULE						
DESIGNATION	HP-1	HP-2	HP-3	HP-4	HP-5	HP-G-1
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL NO.	REYQ144FTJU	REYQ144PTJU	REYQ144PTJU	REYQ144PTJU	REYQ144PTJU	RX1Q144FTJU
SYSTEM	NORTH WING	GROUND FLOOR CENTER	FIRST FLOOR CENTER	WEST DOOR WING	EAST DOOR WING	GM
UNIT DATA						
COOLING MBH	156	156	144	156	180	156
HEATING MBH	176	175	161	174	202	176
AMBIENT AIR TEMP. (°F)	95	95	95	95	95	95
SUCTION TEMP. (°F)						
NO. REFRIG. CKTS.						
NO. COMPRESSORS	2	2	2	2	2	2
TOTAL COMPRESSORS KW	13.4	13.4	13.4	13.4	13.4	13.4
MAXIMUM OVERCURRENT PROTECTION	80	80	80	80	80	80
MCA	72.2	72.2	72.2	72.2	72.2	72.2
VOLTAGE/PHASE	208/3	208/3	208/3	208/3	208/3	208/3
PANEL & CIRCUIT	NOTE 3	NOTE 3	NOTE 3	NOTE 3	NOTE 3	NOTE 3
WIRE & CONDUIT	(3) #3 #8G, 1-1/4" C	(3) #3 #8G, 1-1/4" C	(3) #3 #8G, 1-1/4" C	(3) #3 #8G, 1-1/4" C	(3) #3 #8G, 1-1/4" C	(3) #3 #8G, 1-1/4" C
OVERCURRENT DEVICE	80A / 3P	80A / 3P	80A / 3P	80A / 3P	80A / 3P	80A / 3P
DISCONNECT	3P/100A/F/3R	3P/100A/F/3R	3P/100A/F/3R	3P/100A/F/3R	3P/100A/F/3R	3P/100A/F/3R
REFERENCE DRAWING/DETAIL	ME301	ME301	ME301	ME301	ME301	ME301
REMARKS	4	4	4	4	4	4.5

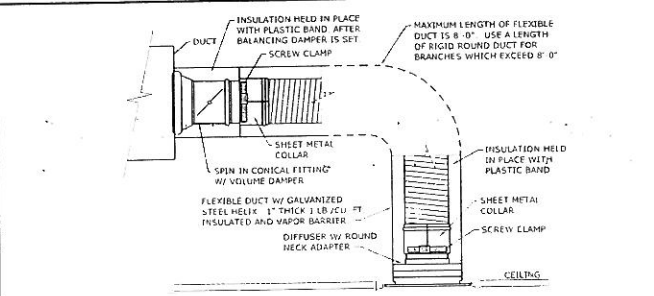
NOTE 1: COOLING CAPACITY BASED ON NOMINAL CONDITIONS OF 80°F OUTDOOR AIR TEMPERATURE
 NOTE 2: HEATING CAPACITY BASED ON NOMINAL CONDITIONS OF 47°F OUTDOOR AIR TEMPERATURE
 NOTE 3: ROUTE POWER TO SPARE BREAKER IN NEAREST 120/208 3 PHASE 4 WIRE PANEL
 NOTE 4: PROVIDE FULL METAL ENCLOSURE AND HAIL GUARD
 NOTE 5: UNIT TO BE A PART OF GM COOLING ALTERNATE



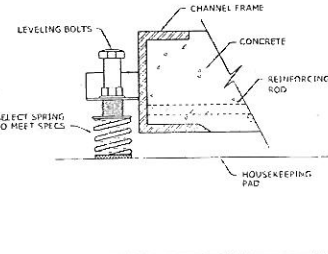
FIRE DAMPER DETAIL
NOT TO SCALE



RETURN AIR BOOT DETAIL
NOT TO SCALE



FLEXIBLE BRANCH DUCT DETAIL
NOT TO SCALE



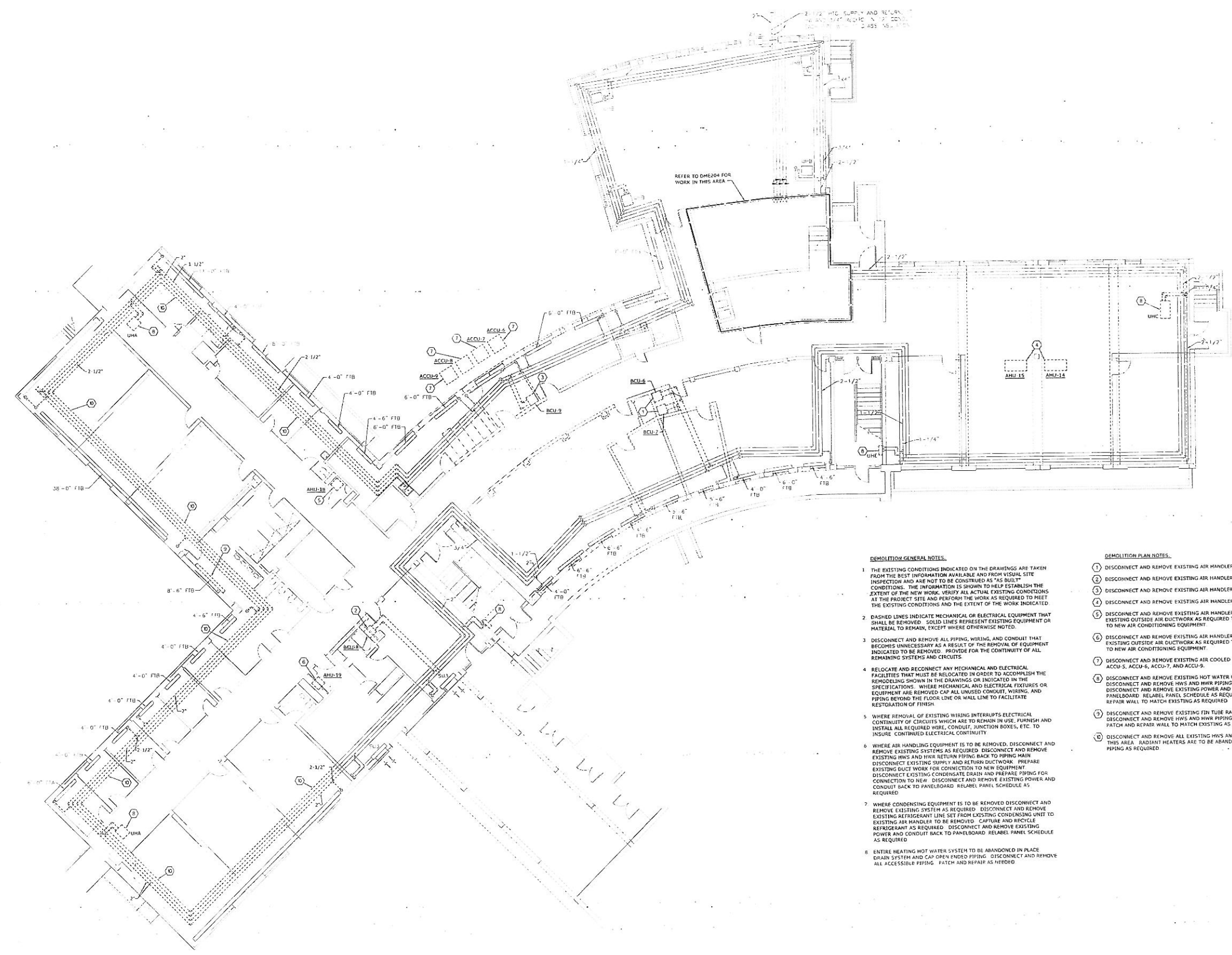
INERTIA PAD DETAIL
NOT TO SCALE

PROJECT NO.	1010300
DATE	11-15-10
DRAWN BY	SAB
CHECKED BY	SCT
CHECKED BY	SCT
REVISED DATE	
DESCRIPTION	

SCHEDULES AND DETAILS - MECHANICAL/ELECTRICAL

ME102

SEDGWICK COUNTY
LAKE AFTON BOYS RANCH
 WICHITA KS, SEDGWICK CO.



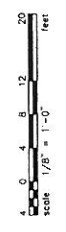
REFER TO DME204 FOR WORK IN THIS AREA

DEMOLITION GENERAL NOTES:

- 1 THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTION AND ARE NOT TO BE CONSTRUED AS "AS BUILT" CONDITIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE NEW WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM THE WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.
- 2 DASHED LINES INDICATE MECHANICAL OR ELECTRICAL EQUIPMENT THAT SHALL BE REMOVED. SOLID LINES REPRESENT EXISTING EQUIPMENT OR MATERIAL TO REMAIN, EXCEPT WHERE OTHERWISE NOTED.
- 3 DISCONNECT AND REMOVE ALL PIPING, WIRING, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED. PROVIDE FOR THE CONTINUITY OF ALL REMAINING SYSTEMS AND CIRCUITS.
- 4 RELOCATE AND RECONNECT ANY MECHANICAL AND ELECTRICAL FACILITIES THAT MUST BE RELOCATED IN ORDER TO ACCOMPLISH THE REMODELING SHOWN IN THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS. WHERE MECHANICAL AND ELECTRICAL FIXTURES OR EQUIPMENT ARE REMOVED CAP ALL UNUSED CONDUIT, WIRING, AND PIPING BEYOND THE FLOOR LINE OR WALL LINE TO FACILITATE RESTORATION OF FINISH.
- 5 WHERE REMOVAL OF EXISTING WIRING INTERRUPTS ELECTRICAL CONTINUITY OF CIRCUITS WHICH ARE TO REMAIN IN USE, FURNISH AND INSTALL ALL REQUIRED WIRE, CONDUIT, JUNCTION BOXES, ETC. TO INSURE CONTINUED ELECTRICAL CONTINUITY.
- 6 WHERE AIR HANDLING EQUIPMENT IS TO BE REMOVED, DISCONNECT AND REMOVE EXISTING SYSTEMS AS REQUIRED. DISCONNECT AND REMOVE EXISTING HWS AND HWR RETURN PIPING BACK TO PIPING MAIN. DISCONNECT EXISTING SUPPLY AND RETURN DUCTWORK. PREPARE EXISTING SUCT WORK FOR CONNECTION TO NEW EQUIPMENT. DISCONNECT EXISTING CONDENSATE DRAIN AND PREPARE PIPING FOR CONNECTION TO NEW. DISCONNECT AND REMOVE EXISTING POWER AND CONDUIT BACK TO PANELBOARD. RELABEL PANEL SCHEDULE AS REQUIRED.
- 7 WHERE CONDENSING EQUIPMENT IS TO BE REMOVED DISCONNECT AND REMOVE EXISTING SYSTEM AS REQUIRED. DISCONNECT AND REMOVE EXISTING REFRIGERANT LINE SET FROM EXISTING CONDENSING UNIT TO EXISTING AIR HANDLER TO BE REMOVED. CAPTURE AND RECYCLE REFRIGERANT AS REQUIRED. DISCONNECT AND REMOVE EXISTING POWER AND CONDUIT BACK TO PANELBOARD. RELABEL PANEL SCHEDULE AS REQUIRED.
- 8 ENTIRE HEATING HOT WATER SYSTEM TO BE ABANDONED IN PLACE. DRAIN SYSTEM AND CAP OPEN ENDED PIPING. DISCONNECT AND REMOVE ALL ACCESSIBLE PIPING. PATCH AND REPAIR AS NEEDED.

DEMOLITION PLAN NOTES:

- 1 DISCONNECT AND REMOVE EXISTING AIR HANDLERS BCU-6 AND BCU-7.
- 2 DISCONNECT AND REMOVE EXISTING AIR HANDLER BCU-8.
- 3 DISCONNECT AND REMOVE EXISTING AIR HANDLER BCU-9.
- 4 DISCONNECT AND REMOVE EXISTING AIR HANDLERS AHU-14 AND AHU-15.
- 5 DISCONNECT AND REMOVE EXISTING AIR HANDLER AHU-18. DISCONNECT EXISTING OUTSIDE AIR DUCTWORK AS REQUIRED TO MAKE CONNECTION TO NEW AIR CONDITIONING EQUIPMENT.
- 6 DISCONNECT AND REMOVE EXISTING AIR HANDLER AHU-19. DISCONNECT EXISTING OUTSIDE AIR DUCTWORK AS REQUIRED TO MAKE CONNECTION TO NEW AIR CONDITIONING EQUIPMENT.
- 7 DISCONNECT AND REMOVE EXISTING AIR COOLED CONDENSING UNITS ACCU-5, ACCU-6, ACCU-7, AND ACCU-8.
- 8 DISCONNECT AND REMOVE EXISTING HOT WATER UNIT HEATER. DISCONNECT AND REMOVE HWS AND HWR PIPING BACK TO PIPING MAIN. DISCONNECT AND REMOVE EXISTING POWER AND CONDUIT BACK TO PANELBOARD. RELABEL PANEL SCHEDULE AS REQUIRED. PATCH AND REPAIR WALL TO MATCH EXISTING AS REQUIRED.
- 9 DISCONNECT AND REMOVE EXISTING FIN TUBE RADIANT HEATER. DISCONNECT AND REMOVE HWS AND HWR PIPING BACK TO PIPING MAIN. PATCH AND REPAIR WALL TO MATCH EXISTING AS REQUIRED.
- 10 DISCONNECT AND REMOVE ALL EXISTING HWS AND HWR LOOP PIPING IN THIS AREA. RADIANT HEATERS ARE TO BE ABANDONED IN PLACE. CAP PIPING AS REQUIRED.



PROJECT NO: 1019300
 DATE: 11-15-10
 DRAWN BY: S&B
 CHECKED BY: SCT
 CHECKED BY: SCT
 REVISION DATE: DESCRIPTION

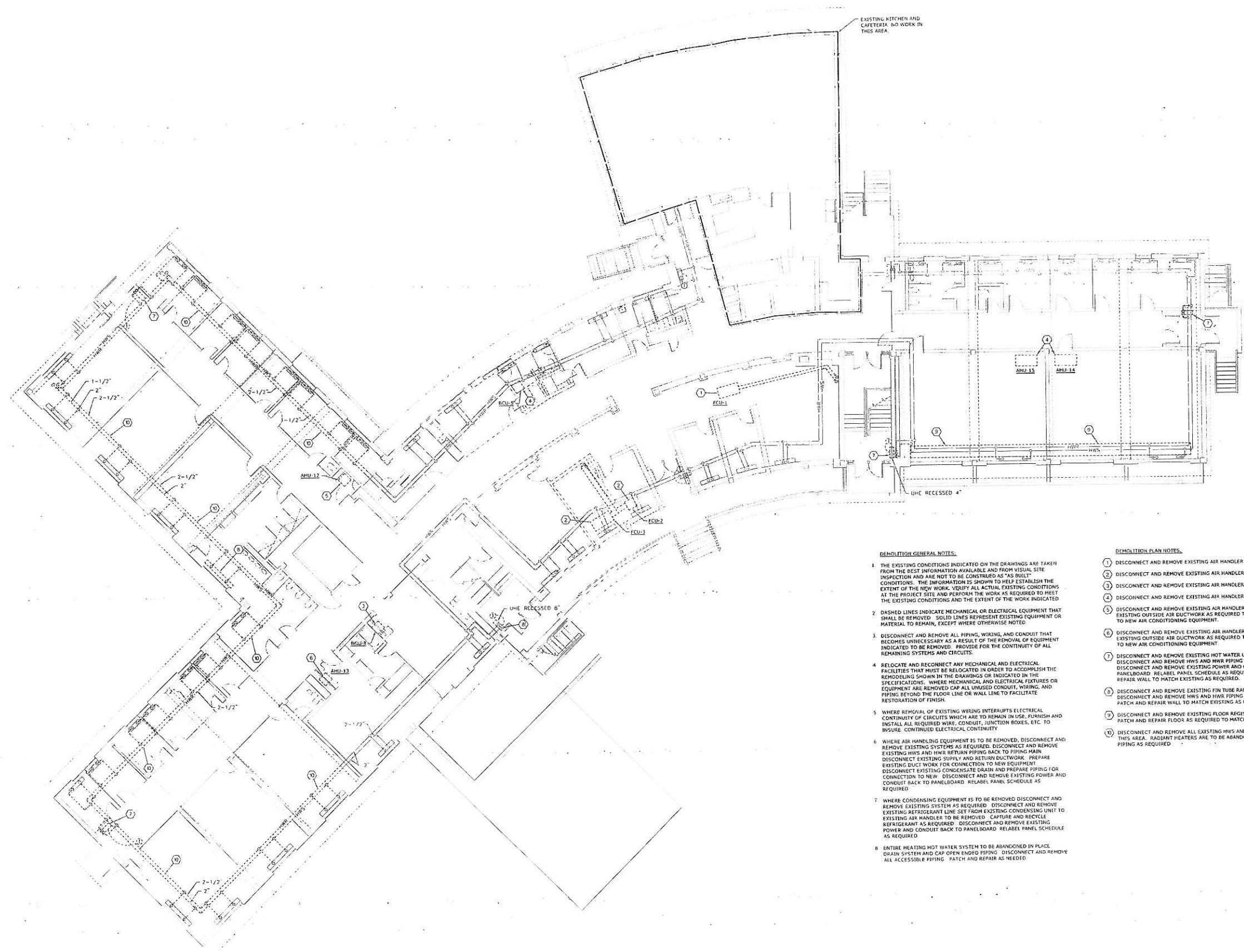
GROUND FLOOR PLAN - DEMOLITION - MECHANICAL AND ELECTRICAL
 SCALE 1/8" = 1'-0"

PROJECT NO	1019300
DATE	11-15-10
DRAWN BY	S&B
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REVISION DATE	DESCRIPTION

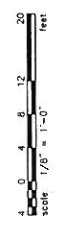
GROUND FLOOR PLAN
 DEMOLITION
 MECHANICAL AND
 ELECTRICAL

DME201

**SEDGWICK COUNTY
LAKE AFTON BOYS RANCH**
WICHITA KS, SEDGWICK CO.



- DEMOLITION GENERAL NOTES:**
1. THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTION AND ARE NOT TO BE CONSTRUED AS "AS BUILT" CONDITIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE NEW WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM THE WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.
 2. DASHED LINES INDICATE MECHANICAL OR ELECTRICAL EQUIPMENT THAT SHALL BE REMOVED. SOLID LINES REPRESENT EXISTING EQUIPMENT OR MATERIAL TO REMAIN, EXCEPT WHERE OTHERWISE NOTED.
 3. DISCONNECT AND REMOVE ALL PIPING, WIRING, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED. PROVIDE FOR THE CONTINUITY OF ALL REMAINING SYSTEMS AND CIRCUITS.
 4. RELOCATE AND RECONNECT ANY MECHANICAL AND ELECTRICAL FACILITIES THAT MUST BE RELOCATED IN ORDER TO ACCOMPLISH THE REMODELING SHOWN IN THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS. WHERE MECHANICAL AND ELECTRICAL FIXTURES OR EQUIPMENT ARE REMOVED CAP ALL UNUSED CONDUIT, WIRING, AND PIPING BEYOND THE FLOOR LINE OR WALL LINE TO FACILITATE RESTORATION OF FINISH.
 5. WHERE REMOVAL OF EXISTING WIRING INTERRUPTS ELECTRICAL CONTINUITY OF CIRCUITS WHICH ARE TO REMAIN IN USE, FURNISH AND INSTALL ALL REQUIRED WIRE, CONDUIT, JUNCTION BOXES, ETC. TO INSURE CONTINUED ELECTRICAL CONTINUITY.
 6. WHERE AIR HANDLING EQUIPMENT IS TO BE REMOVED, DISCONNECT AND REMOVE EXISTING SYSTEMS AS REQUIRED. DISCONNECT AND REMOVE EXISTING HWS AND HWR RETURN PIPING BACK TO PIPING MAIN. DISCONNECT EXISTING SUPPLY AND RETURN DUCTWORK. PREPARE EXISTING DUCT WORK FOR CONNECTION TO NEW EQUIPMENT. DISCONNECT EXISTING CONDENSATE DRAIN AND PREPARE PIPING FOR CONNECTION TO NEW. DISCONNECT AND REMOVE EXISTING POWER AND CONDUIT BACK TO PANELBOARD. RELABEL PANEL SCHEDULE AS REQUIRED.
 7. WHERE CONDENSING EQUIPMENT IS TO BE REMOVED DISCONNECT AND REMOVE EXISTING SYSTEM AS REQUIRED. DISCONNECT AND REMOVE EXISTING REFRIGERANT LINE SET FROM EXISTING CONDENSING UNIT TO EXISTING AIR HANDLER TO BE REMOVED. CAPTURE AND RECYCLE REFRIGERANT AS REQUIRED. DISCONNECT AND REMOVE EXISTING POWER AND CONDUIT BACK TO PANELBOARD. RELABEL PANEL SCHEDULE AS REQUIRED.
 8. ENTIRE HEATING HOT WATER SYSTEM TO BE ABANDONED IN PLACE. DRAIN SYSTEM AND CAP OPEN ENDED PIPING. DISCONNECT AND REMOVE ALL ACCESSIBLE PIPING. PATCH AND REPAIR AS NEEDED.
- DEMOLITION PLAN NOTES:**
1. DISCONNECT AND REMOVE EXISTING AIR HANDLER FCU-1
 2. DISCONNECT AND REMOVE EXISTING AIR HANDLERS FCU-1 AND FCU-2
 3. DISCONNECT AND REMOVE EXISTING AIR HANDLER FCU-4
 4. DISCONNECT AND REMOVE EXISTING AIR HANDLER FCU-5
 5. DISCONNECT AND REMOVE EXISTING AIR HANDLER AHU-12. DISCONNECT EXISTING OUTSIDE AIR DUCTWORK AS REQUIRED TO MAKE CONNECTION TO NEW AIR CONDITIONING EQUIPMENT.
 6. DISCONNECT AND REMOVE EXISTING AIR HANDLER AHU-13. DISCONNECT EXISTING OUTSIDE AIR DUCTWORK AS REQUIRED TO MAKE CONNECTION TO NEW AIR CONDITIONING EQUIPMENT.
 7. DISCONNECT AND REMOVE EXISTING HOT WATER UNIT HEATER. DISCONNECT AND REMOVE HWS AND HWR PIPING BACK TO PIPING MAIN. DISCONNECT AND REMOVE EXISTING POWER AND CONDUIT BACK TO PANELBOARD. RELABEL PANEL SCHEDULE AS REQUIRED. PATCH AND REPAIR WALL TO MATCH EXISTING AS REQUIRED.
 8. DISCONNECT AND REMOVE EXISTING FIN TUBE RADIANT HEATER. DISCONNECT AND REMOVE HWS AND HWR PIPING BACK TO PIPING MAIN. PATCH AND REPAIR WALL TO MATCH EXISTING AS REQUIRED.
 9. DISCONNECT AND REMOVE EXISTING FLOOR REGISTERS IN THIS AREA. PATCH AND REPAIR FLOOR AS REQUIRED TO MATCH EXISTING.
 10. DISCONNECT AND REMOVE ALL EXISTING HWS AND HWR LOOP PIPING IN THIS AREA. RADIANT HEATERS ARE TO BE ABANDONED IN PLACE. CAP PIPING AS REQUIRED.



SEDGWICK COUNTY BOYS RANCH CENTER
PROJECT NO. 1019300
DATE: 11-15-10
DRAWN BY: SSB
CHECKED BY: SCT
REVISIONS:
DATE DESCRIPTION

FIRST FLOOR PLAN - DEMOLITION - MECHANICAL AND ELECTRICAL
SCALE 1/8" = 1'-0"

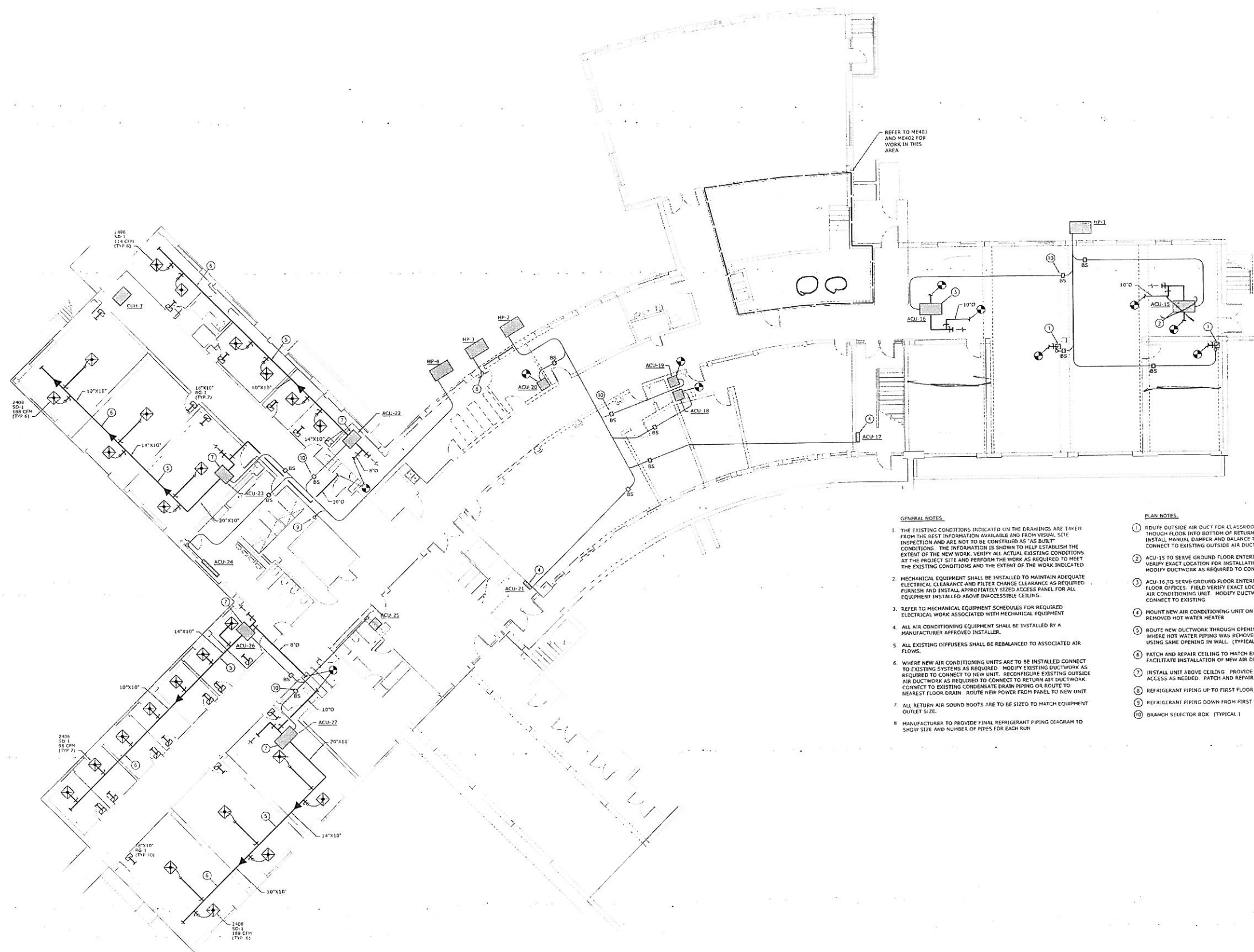
SEAL

PROJECT NO.	1019300
DATE	11-15-10
DRAWN BY	SSB
CHECKED BY	SCT
CHECKED BY	SCT
REVISED DATE	DESCRIPTION

FIRST FLOOR PLAN
DEMOLITION
MECHANICAL AND
ELECTRICAL

DME202

**SEDGWICK COUNTY
LAKE AFTON BOYS RANCH
WICHITA KS, SEDGWICK CO.**

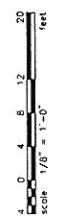


GENERAL NOTES.

1. THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTION AND ARE NOT TO BE CONSTRUED AS 'AS BUILT' CONDITIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE NEW WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM THE WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.
2. MECHANICAL EQUIPMENT SHALL BE INSTALLED TO MAINTAIN ADEQUATE ELECTRICAL CLEARANCE AND FILTER CHANGE CLEARANCE AS REQUIRED. FURNISH AND INSTALL APPROPRIATELY SIZED ACCESS PANEL FOR ALL EQUIPMENT INSTALLED ABOVE INACCESSIBLE CEILING.
3. REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR REQUIRED ELECTRICAL WORK ASSOCIATED WITH MECHANICAL EQUIPMENT.
4. ALL AIR CONDITIONING EQUIPMENT SHALL BE INSTALLED BY A MANUFACTURER APPROVED INSTALLER.
5. ALL EXISTING DIFFUSERS SHALL BE REBALANCED TO ASSOCIATED AIR FLOWS.
6. WHERE NEW AIR CONDITIONING UNITS ARE TO BE INSTALLED CONNECT TO EXISTING SYSTEMS AS REQUIRED. MODIFY EXISTING DUCTWORK AS REQUIRED TO CONNECT TO NEW UNIT. RECONFIGURE EXISTING OUTSIDE AIR DUCTWORK AS REQUIRED TO CONNECT TO RETURN AIR DUCTWORK. CONNECT TO EXISTING CONDENSATE DRAIN PIPING OR ROUTE TO NEAREST FLOOR DRAIN. ROUTE NEW POWER FROM PANEL TO NEW UNIT.
7. ALL RETURN AIR SOUND BOOTS ARE TO BE SIZED TO MATCH EQUIPMENT OUTLET SIZE.
8. MANUFACTURER TO PROVIDE FINAL REFRIGERANT PIPING DIAGRAM TO SHOW SIZE AND NUMBER OF PIPES FOR EACH RUN.

PLAN NOTES.

1. ROUTE OUTSIDE AIR DUCT FOR CLASSROOM AIR CONDITIONING UNIT UP THROUGH FLOOR INTO BOTTOM OF RETURN AIR PLENUM. FURNISH AND INSTALL MANUAL DAMPER AND BALANCE TO SCHEDULED AIR FLOW. CONNECT TO EXISTING OUTSIDE AIR DUCTWORK IN AREA.
2. ACU-15 TO SERVE GROUND FLOOR ENTERTAINMENT ROOM ONLY. FIELD VERIFY EXACT LOCATION FOR INSTALLATION OF AIR CONDITIONING UNIT. MODIFY DUCTWORK AS REQUIRED TO CONNECT TO EXISTING.
3. ACU-16 TO SERVE GROUND FLOOR ENTERTAINMENT ROOM AND FIRST FLOOR OFFICES. FIELD VERIFY EXACT LOCATION FOR INSTALLATION OF AIR CONDITIONING UNIT. MODIFY DUCTWORK AS REQUIRED TO CONNECT TO EXISTING.
4. MOUNT NEW AIR CONDITIONING UNIT ON WALL IN LOCATION OF REMOVED HOT WATER HEATER.
5. ROUTE NEW DUCTWORK THROUGH OPENING IN WALL ABOVE NEW CEILING WHERE HOT WATER PIPING WAS REMOVED. ALLOW FOR RETURN AIR PATH USING SAME OPENING IN WALL. (TYPICAL)
6. PATCH AND REPAIR CEILING TO MATCH EXISTING AS NEEDED TO FACILITATE INSTALLATION OF NEW AIR DISTRIBUTION.
7. INSTALL UNIT ABOVE CEILING. PROVIDE FILTER CHANGE AND ELECTRICAL ACCESS AS NEEDED. PATCH AND REPAIR CEILINGS AS NEEDED.
8. REFRIGERANT PIPING UP TO FIRST FLOOR.
9. REFRIGERANT PIPING DOWN FROM FIRST FLOOR.
10. BRANCH SELECTOR BOX. (TYPICAL)



MECHANICAL EQUIPMENT SCHEDULES ATTACHED TO THESE PLANS
 PROJECT NO. 1019300
 DATE 11-15-10
 DRAWN BY SLS
 CHECKED BY JCT
 REVISION DATE DESCRIPTION

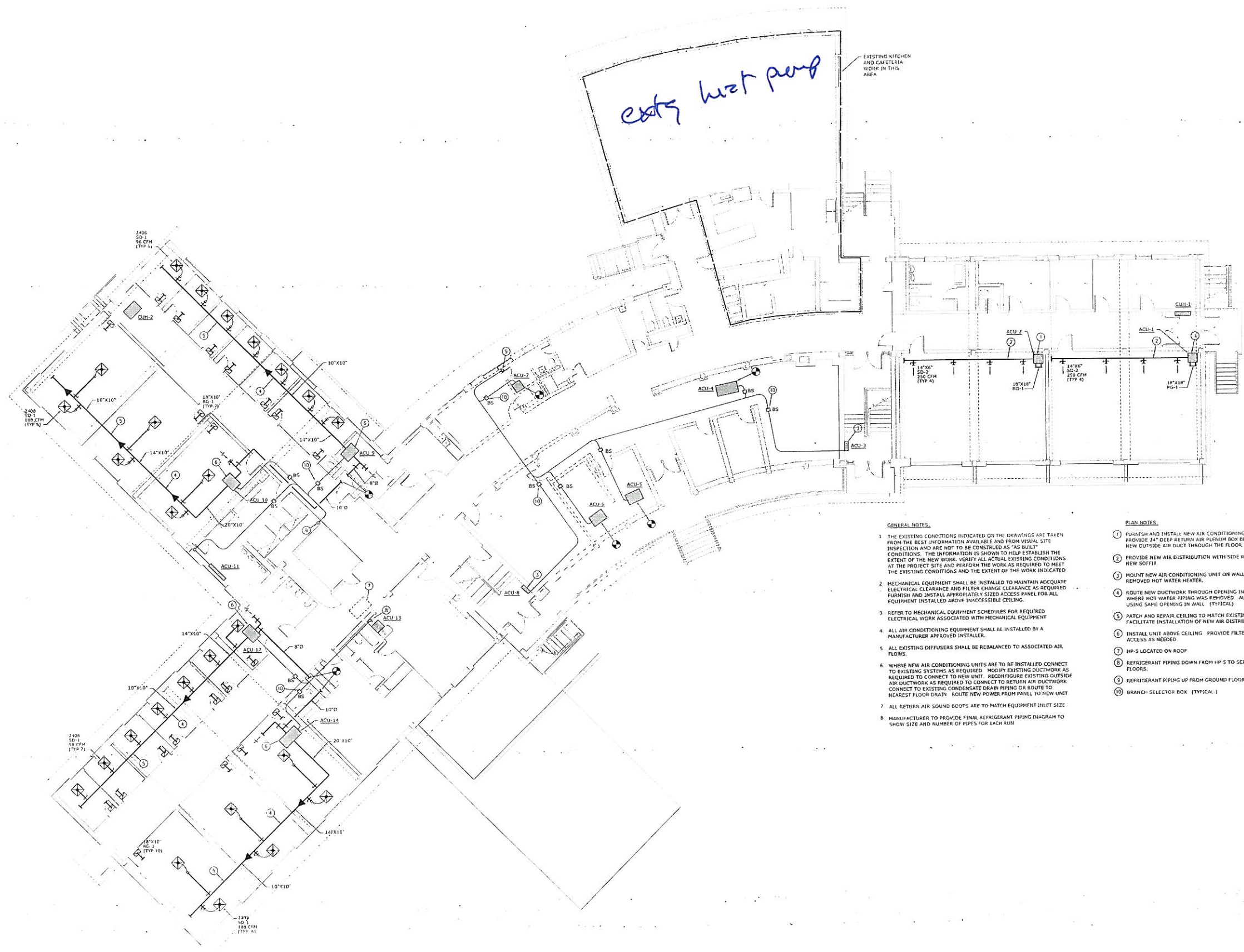
GROUND FLOOR PLAN - MECHANICAL AND ELECTRICAL
 SCALE 1/8" = 1'-0"

REVISION DATE	DESCRIPTION

GROUND FLOOR PLAN
 MECHANICAL AND
 ELECTRICAL

ME301

SEDGWICK COUNTY
LAKE AFTON BOYS RANCH
WICHITA KS, SEDGWICK CO.

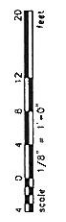


GENERAL NOTES:

- 1 THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTION AND ARE NOT TO BE CONSTRUED AS "AS BUILT" CONDITIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE NEW WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM THE WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.
- 2 MECHANICAL EQUIPMENT SHALL BE INSTALLED TO MAINTAIN ADEQUATE ELECTRICAL CLEARANCE AND FILTER CHANGE CLEARANCE AS REQUIRED. FURNISH AND INSTALL APPROPRIATELY SIZED ACCESS PANEL FOR ALL EQUIPMENT INSTALLED ABOVE INACCESSIBLE CEILING.
- 3 REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR REQUIRED ELECTRICAL WORK ASSOCIATED WITH MECHANICAL EQUIPMENT.
- 4 ALL AIR CONDITIONING EQUIPMENT SHALL BE INSTALLED BY A MANUFACTURER APPROVED INSTALLER.
- 5 ALL EXISTING DIFFUSERS SHALL BE REBALANCED TO ASSOCIATED AIR FLOWS.
- 6 WHERE NEW AIR CONDITIONING UNITS ARE TO BE INSTALLED CONNECT TO EXISTING SYSTEMS AS REQUIRED. MODIFY EXISTING DUCTWORK AS REQUIRED TO CONNECT TO NEW UNIT. RECONFIGURE EXISTING OUTSIDE AIR DUCTWORK AS REQUIRED TO CONNECT TO RETURN AIR DUCTWORK. CONNECT TO EXISTING CONDENSATE DRAIN PIPING OR ROUTE TO NEAREST FLOOR DRAIN. ROUTE NEW POWER FROM PANEL TO NEW UNIT.
- 7 ALL RETURN AIR SOUND BOOTS ARE TO MATCH EQUIPMENT INLET SIZE.
- 8 MANUFACTURER TO PROVIDE FINAL REFRIGERANT PIPING DIAGRAM TO SHOW SIZE AND NUMBER OF PIPES FOR EACH RUN.

PLAN NOTES:

- ① FURNISH AND INSTALL NEW AIR CONDITIONING UNIT IN NEW CLOSET PROVIDE 24" DEEP RETURN AIR PLENUM BOX BELOW UNIT. CONNECT TO NEW OUTSIDE AIR DUCT THROUGH THE FLOOR.
- ② PROVIDE NEW AIR DISTRIBUTION WITH SIDE WALL SUPPLY GRILLS IN NEW SOFFIT.
- ③ MOUNT NEW AIR CONDITIONING UNIT ON WALL IN LOCATION OF REMOVED HOT WATER HEATER.
- ④ ROUTE NEW DUCTWORK THROUGH OPENING IN WALL ABOVE NEW CEILING WHERE HOT WATER PIPING WAS REMOVED. ALLOW FOR RETURN AIR PATH USING SAME OPENING IN WALL (TYPICAL).
- ⑤ PATCH AND REPAIR CEILING TO MATCH EXISTING AS NEEDED TO FACILITATE INSTALLATION OF NEW AIR DISTRIBUTION.
- ⑥ INSTALL UNIT ABOVE CEILING. PROVIDE FILTER CHANGE AND ELECTRICAL ACCESS AS NEEDED.
- ⑦ HP-5 LOCATED ON ROOF.
- ⑧ REFRIGERANT PIPING DOWN FROM HP-5 TO SERVE FIRST AND GROUND FLOORS.
- ⑨ REFRIGERANT PIPING UP FROM GROUND FLOOR.
- ⑩ BRANCH SELECTOR BOX (TYPICAL).



FIRST FLOOR PLAN - MECHANICAL AND ELECTRICAL
SCALE 1/8" = 1'-0"

SEAL	
PROJECT NO.	1019300
DATE	11-15-10
DRAWN BY	SLB
CHECKED BY	SET
REVISED DATE	DESCRIPTION

FIRST FLOOR PLAN
MECHANICAL AND
ELECTRICAL

ME302

4 8 12 16 20
feet
SCALE 1/8" = 1'-0"



⊕ ROOF PLAN - MECHANICAL AND ELECTRICAL
SCALE 1/8" = 1'-0"

smith&oucher
ENGINEERS
25501 west valley parkway
suite 200 olathe, ks 66042
p 913 345 2127 / 888 279 7540 f 913 345 0817

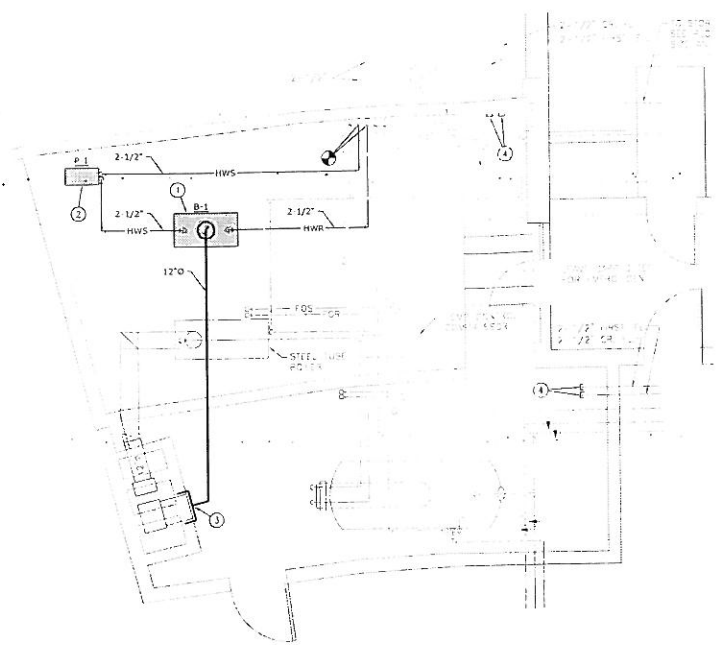
SEDGWICK COUNTY
LAKE AFTON BOYS RANCH
WICHITA KS, SEDGWICK CO.

SEAL

PROJECT NO.	1019300
DATE	11-15-10
DRAWN BY	SAB
CHECKED BY	SCT
REVISOR	
REVISION	

ROOF PLAN
MECHANICAL AND
ELECTRICAL

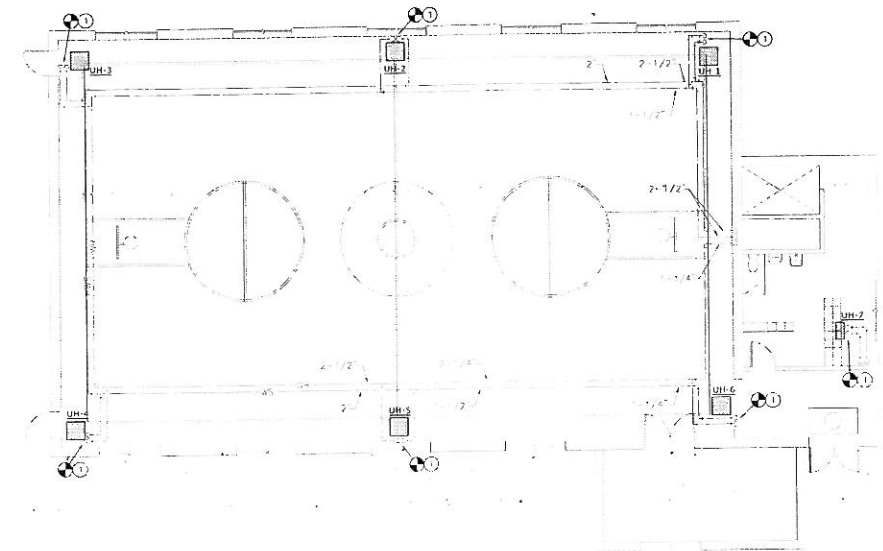
ME303



- GENERAL NOTES:**
- 1 THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTION AND ARE NOT TO BE CONSTRUED AS "AS BUILT" CONDITIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE NEW WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM THE WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.
 - 2 MECHANICAL EQUIPMENT SHALL BE INSTALLED TO MAINTAIN ADEQUATE ELECTRICAL CLEARANCE AND FILTER CHANGE CLEARANCE AS REQUIRED. FURNISH AND INSTALL APPROPRIATELY SIZED ACCESS PANEL FOR ALL EQUIPMENT INSTALLED ABOVE INACCESSIBLE CEILING.
 - 3 REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR REQUIRED ELECTRICAL WORK ASSOCIATED WITH MECHANICAL EQUIPMENT.

- PLAN NOTES:**
- 1 FURNISH AND INSTALL NEW CAST IRON BOILER AND ALL ASSOCIATED ACCESSORIES FOR A COMPLETE AND WORKING SYSTEM. PROVIDE PROPANE GAS TRAIN. FURNISH AND INSTALL 5000 GALLON PROPANE TANK LOCATED ON SITE DETERMINED BY OWNER. CONTRACTOR TO SET UP 30 DAY REFILL CONTRACT WITH LOCAL SUPPLIER.
 - 2 LOCATE NEW HOT WATER PUMP IN LOCATION OF DEMOLISHED PUMP PREVIOUSLY SERVING THE GYM.
 - 3 CAP EXISTING FLUE DUCTWORK AND PROVIDE A 12" TAP FOR THE NEW BOILER FLUE CONNECTION.
 - 4 CAP EXISTING 2 1/2" HWS AND HWR PIPING.

PARTIAL FLOOR PLAN BOILER - MECHANICAL AND ELECTRICAL
SCALE: 1/4" = 1'-0"



- GENERAL NOTES:**
- 1 THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTION AND ARE NOT TO BE CONSTRUED AS "AS BUILT" CONDITIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE NEW WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM THE WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.
 - 2 MECHANICAL EQUIPMENT SHALL BE INSTALLED TO MAINTAIN ADEQUATE ELECTRICAL CLEARANCE AND FILTER CHANGE CLEARANCE AS REQUIRED. FURNISH AND INSTALL APPROPRIATELY SIZED ACCESS PANEL FOR ALL EQUIPMENT INSTALLED ABOVE INACCESSIBLE CEILING.
 - 3 REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR REQUIRED ELECTRICAL WORK ASSOCIATED WITH MECHANICAL EQUIPMENT.

- PLAN NOTES:**
- 1 CONNECT NEW UNIT HEATER TO EXISTING HOT WATER LOOP. FIELD VERIFY EXACT LOCATION TO INSTALL NEW UNIT HEATER.

PARTIAL FLOOR PLAN GYM - MECHANICAL AND ELECTRICAL
SCALE: 1/8" = 1'-0"

smith&boucher
ENGINEERS
25501 west valley parkway
suite 200 olathe, ks 66061
P 913 345 2127 / 888 299 7540 F 913 345 0617

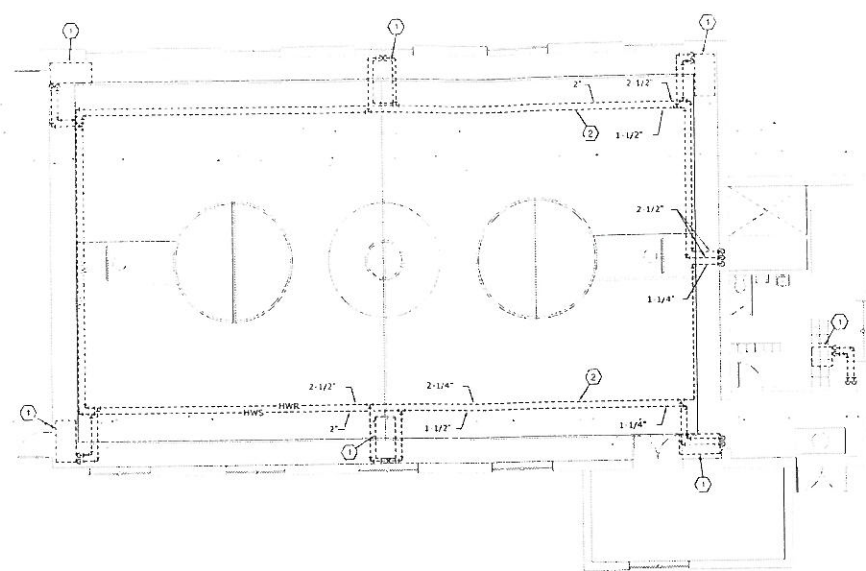
SEDGWICK COUNTY
LAKE AFTON BOYS RANCH
WICHITA KS, SEDGWICK CO.

SEAL

PROJECT NO.	1019300
DATE	11-15-18
DRAWN BY	SAB
CHECKED BY	SCT
CHECKED BY	SCT
REVISED DATE	DESCRIPTION

PARTIAL FLOOR PLAN
BOILER AND GYM
MECHANICAL AND
ELECTRICAL

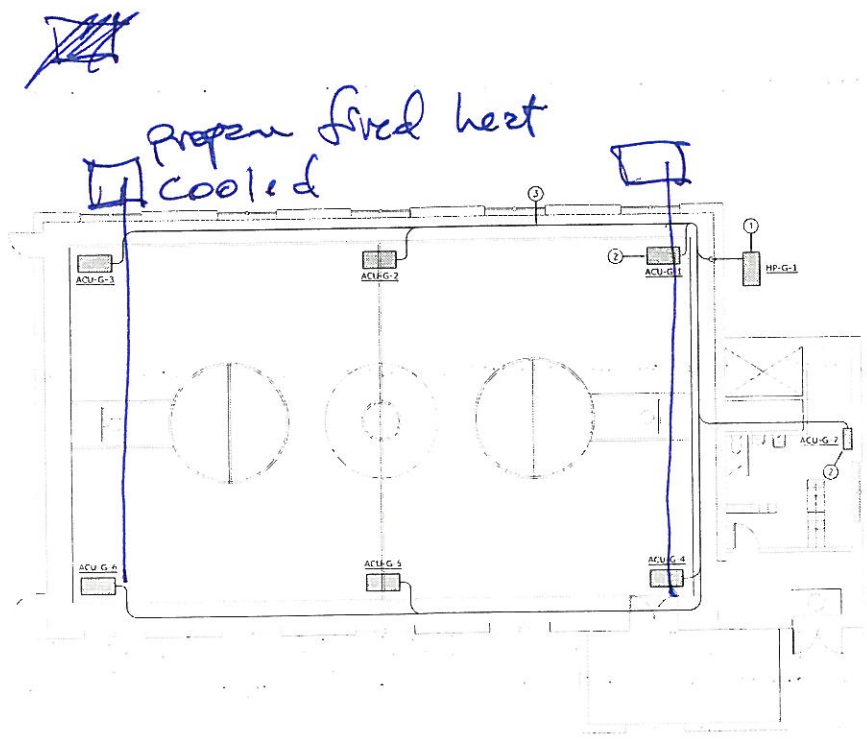
ME401



- DEMOLITION GENERAL NOTES:**
1. THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTION AND ARE NOT TO BE CONSTRUED AS "AS BUILT" CONDITIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE NEW WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM THE WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.
 2. DASHED LINES INDICATE MECHANICAL OR ELECTRICAL EQUIPMENT THAT SHALL BE REMOVED. SOLID LINES REPRESENT EXISTING EQUIPMENT OR MATERIAL TO REMAIN, EXCEPT WHERE OTHERWISE NOTED.
 3. DISCONNECT AND REMOVE ALL PIPING, WIRING, AND CONDUIT THAT BECOMES UNNECESSARY AS A RESULT OF THE REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED. PROVIDE FOR THE CONTINUITY OF ALL REMAINING SYSTEMS AND CIRCUITS.
 4. RELOCATE AND RECONNECT ANY MECHANICAL AND ELECTRICAL FACILITIES THAT MUST BE RELOCATED IN ORDER TO ACCOMPLISH THE REMODELING SHOWN IN THE DRAWINGS OR INDICATED IN THE SPECIFICATIONS. WHERE MECHANICAL AND ELECTRICAL FIXTURES OR EQUIPMENT ARE REMOVED CAP ALL UNUSED CONDUIT, WIRING, AND PIPING BEYOND THE FLOOR LINE OR WALL LINE TO FACILITATE RESTORATION OF FINISH.
 5. WHERE REMOVAL OF EXISTING WIRING INTERRUPTS ELECTRICAL CONTINUITY OF CIRCUITS WHICH ARE TO REMAIN IN USE, FURNISH AND INSTALL ALL REQUIRED WIRE, CONDUIT, JUNCTION BOXES, ETC. TO INSURE CONTINUED ELECTRICAL CONTINUITY.

- DEMOLITION PLAN NOTES:**
1. DISCONNECT AND REMOVE EXISTING HOT WATER UNIT HEATER. DISCONNECT AND REMOVE HWS AND HWR PIPING FROM UNIT BACK TO EQUIPMENT ISOLATION VALVES. DISCONNECT AND REMOVE EXISTING POWER BACK TO PANEL.
 2. DISCONNECT AND REMOVE ALL HWS AND HWR PIPING CAP LOOP IN PIPING CHASE.

PARTIAL FLOOR PLAN GYM - DEMO - ALTERNATE - MECHANICAL AND ELECTRICAL
SCALE: 1/4" = 1'-0"



- GENERAL NOTES:**
1. THE EXISTING CONDITIONS INDICATED ON THE DRAWINGS ARE TAKEN FROM THE BEST INFORMATION AVAILABLE AND FROM VISUAL SITE INSPECTION AND ARE NOT TO BE CONSTRUED AS "AS BUILT" CONDITIONS. THE INFORMATION IS SHOWN TO HELP ESTABLISH THE EXTENT OF THE NEW WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE AND PERFORM THE WORK AS REQUIRED TO MEET THE EXISTING CONDITIONS AND THE EXTENT OF THE WORK INDICATED.
 2. MECHANICAL EQUIPMENT SHALL BE INSTALLED TO MAINTAIN ADEQUATE ELECTRICAL CLEARANCE AND FILTER CHANGE CLEARANCE AS REQUIRED. FURNISH AND INSTALL APPROPRIATELY SIZED ACCESS PANEL FOR ALL EQUIPMENT INSTALLED ABOVE INACCESSIBLE CEILING.
 3. REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR REQUIRED ELECTRICAL WORK ASSOCIATED WITH MECHANICAL EQUIPMENT.

- PLAN NOTES:**
1. NEW GYM VRU OUTDOOR HEAT PUMP. FURNISH AND INSTALL ON NEW 4" CONCRETE HOUSEKEEPING PAD.
 2. NEW AIR CONDITIONING UNIT. MOUNT UNIT HUNG FROM CEILING ABOVE PLAYABLE AREA. ROUTE CONDENSATE DRAIN OUT EXTERIOR WALL TO DISCHARGE OUT ON GRADE.
 3. NEW REFRIGERANT PIPING. MANUFACTURER TO PROVIDE FINAL PIPING DIAGRAM.

PARTIAL FLOOR PLAN GYM - ALTERNATE - MECHANICAL AND ELECTRICAL
SCALE: 1/8" = 1'-0"

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SEDGWICK COUNTY
LAKE AFTON BOYS RANCH
WICHITA KS, SEDGWICK CO.

SEAL

PROJECT NO	1019300
DATE	11-15-10
DRAWN BY	SLS
CHECKED BY	SCJ
CHECKED BY	SCJ
REVISED DATE	DESCRIPTION

PARTIAL FLOOR PLAN
GYM
ALTERNATE
MECHANICAL AND ELECTRICAL

ME402