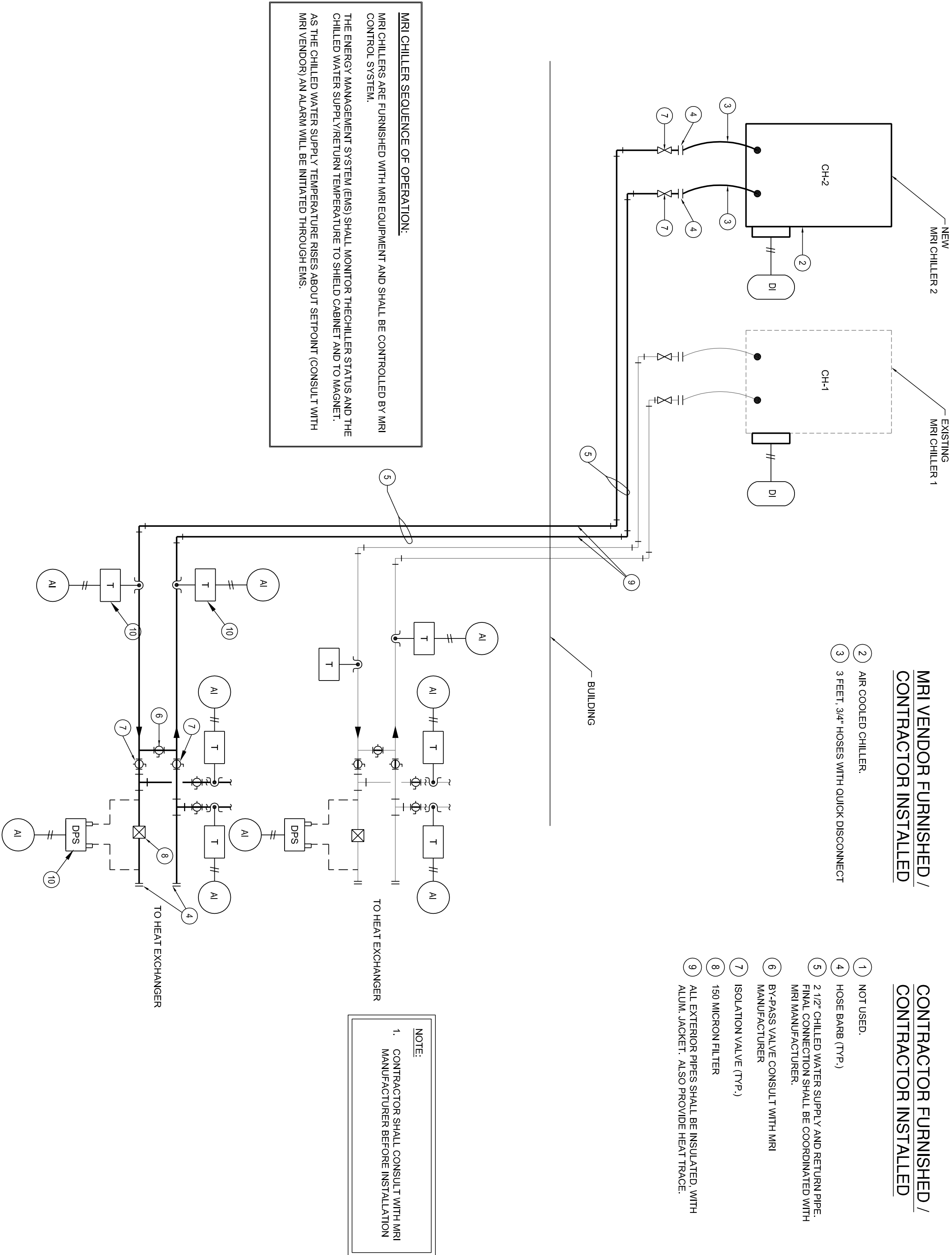


1 MRI CHILLER PIPING SCHEMATIC

NOT TO SCALE



2 MRI CHILLER MONITORING

NOT TO SCALE

EXHAUST FAN													
DESIGNATION	REFERENCE PRODUCT	TYPE	SERIES	AIR FLOW RATE (CFM)	TOTAL STATIC PRESSURE (IN. WATER)	ROTATION (RPM)	DRIVE SONES	MOTOR SIZE		ELECTRICAL	REMARKS		
EF-1	COOK 1500T1D (VCR-D)	UPBLAST CENTRIFUGAL EXHAUST VENTILATOR	EMERGENCY CENOGEN EXHAUSTOR MRI #2	1500	0.75	1140	DIRECT	11.5	0.325	0.334	120	1	FURNISH WITH DISCONNECT, ROOF CURB, BIRD SCREEN

AIR DISTRIBUTION DEVICES

DESIGNATION	REFERENCE PRODUCT	TYPE	MAXIMUM AIR FLOW (CFM)	TOTAL PRESSURE (IN. WATER)	NECK SIZE (INCHES)	PANEL SIZE (INCHES)	MAX. FINISH	MATERIAL	REMARKS
A	TTTUS TDU-A-A (A-18x18)	SUPPLY, LOWERED FACE, U-A-FIN TYPE	400	0.11	10" ROUND	24" X 24"	30	MATCH FINISH OF EXISTING ALUMINUM 1, 2	
1	TTTUS SO FF	RETURN/EXHAUST LAY-IN EGGRATE GRILLE	1300	0.01	16" X 16"	24" X 24"	30	MATCH FINISH OF EXISTING ALUMINUM 1, 2	

NOTES:

1. TYPES OF AIR DEVICES ARE INDICATED IN SCHEDULE. CONTRACTOR SHALL VERIFY CEILING CONSTRUCTION (REFLECT CEILING PLANS) TO ENSURE AIR DEVICES SUITABLE FOR APPLICATION BEFORE SUBMISSION.

2. FOUR-WAY BLOW UNITS: OTHERWISE NOTED BY FLOW ARROWS.

SINGLE DUCT SUPPLY AIR TERMINALS WITH HOT WATER REHEAT COILS

DESIGNATION	SERIES	REFERENCE PRODUCT	INLET SIZE (INCHES)	OCCUPIED MAX. AIRFLOW (CFM)	UNOCCUPIED MIN. AIRFLOW (CFM)	MIN. INLET STATIC PRESSURE (INCHES)	DOWNSTREAM STATIC PRESSURE (INCHES)	TERMINAL PRESSURE DROP (INCHES W.G.)	AIR FLOW (CFM)	NOVS (DEG. F)	EAT (DEG. F)	MIN. LAT. HEATING COIL MAX. PRESSURE (DEG. F)	DROP (INCHES W.G.)	EWT (DEG. F)	LWT (DEG. F)	GPM	MAX WPD (FEET)	MHR	REMARKS	
VAV-1	MRI Scan Room	TTTUS DSV-1	12	1200	600	NO UNOCCUPIED MODE	1	0	0.17	600	2	55	95	0.30	180	150	3.00	5	45.0	FURNISH WITH INTEGRAL DISCONNECT SWITCH

HEATING WATER COIL

COMPUTER ROOM UNITS (AIR COOLED)										HUMIDIFICATION		DEHUMIDIFICATION		ELECTRICAL		COOLING (GX)		AIR COOLED CONDENSER						
DESIGNATION	REFERENCE PRODUCT	SERIES	TYPE	SUPPLY FAN (HP)	NUMBER OF FANS	AIR FLOW RATE (CFM)	EXTERNAL PRESSURE (IN. WATER)	INTERNAL PRESSURE (IN. WATER)	FILTER TYPE	CAPACITY (LBS/HR)	ENERGY INPUT (KW)	CAPACITY (BTU/H)	VOLTAGE / PHASE	FUA	SENSIBLE / TOTAL (MMH)	AIR FDB / FVMB	COMPRESSOR TYPE	NUMBER OF COMPRESSORS	DESIGNATION	REFRIGERANT	VOLTAGE / PHASE	NUMBER OF FANS	FUA	REMARKS
CU-1	LIBERT BERGASADS	MRI #2 EQUIPMENT ROOM	VERTICAL DOWNFLOW	2	1	2,800	0.3	0.3	4" PLEATED THROW AWAY MERV-8	11	3.9	56,300	460 / 3	28.9	54.6 / 59.3	75 / 61	SCROLL	2	CU-1	R-407C	460 / 3	2	11.7	DX LIBERT COMPUTER ROOM UNIT. PROVIDE CONDENSATE RETURN PUMP. ELECTRIC HUMIDIFICATION, ELECTRIC DEHUMIDIFICATION, AND BYPASS FOR DISCHARGE INTO RAISED FLOOR SYSTEM. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR REFRIGERANT LINE SIZES AND LENGTHS. SUPPORT LEGS PROVIDED WITH UNIT.

COMPUTER ROOM UNITS (AIR COOLED)

HUMIDIFICATION

DEHUMIDIFICATION

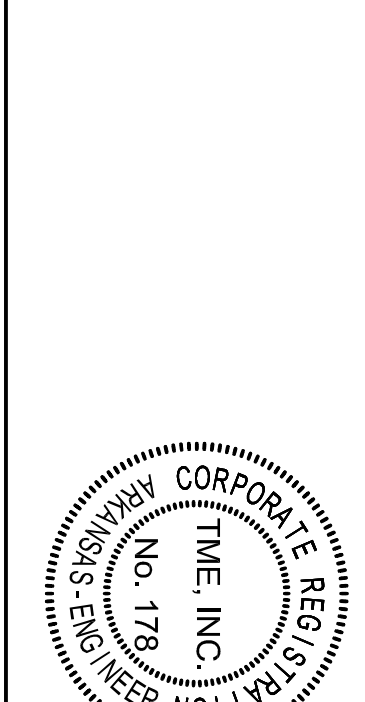
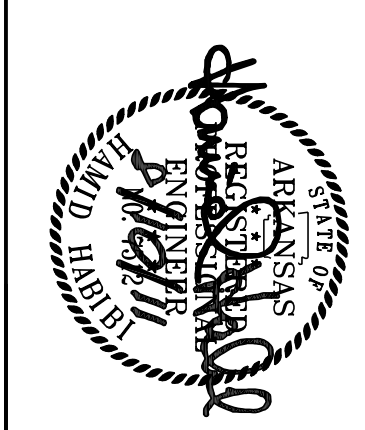
ELECTRICAL

COOLING (DX)

AIR COOLED CONDENSER

CONSULTANTS:

MEP Engineer:	Structural Engineer:	Associate Architect:	Cost Estimating:
Bob D. Campbell & Co.	Bob D. Campbell & Co.	ONE Sante Fe Plaza, Suite 101	5201 Johnson Dr., Suite 330
4338 Bellevue	4338 Bellevue	Oklahoma City, OK 73102	Mission, KS 66205
Kansas City, MO 64111	Kansas City, MO 64111		



Drawing Title
New Plan
Mechanical Details, Controls
and Schedules

Project Title
SITE PREP FOR MAGNETIC
RESONANCE IMAGING
EQUIPMENT

Project Number
564-10-101
Building Number
2
Drawing Number
M202

Office of
Facilities
Management
Department of
Veterans Affairs

VA FORM 10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221

10-4221