

UNIT YRKR	MANUFACTURER	MODEL NUMBER	BTL COOL	SEER	CU	BTL HEAT	BTU/H	CFM	OUTSIDE AIR (CMU)	9F.	HP	VOLT/PHASE	KVA	WT(LBS)	ACCESSORIES
AHU-1	LENOX	CB30Y-51	.....	...	8	1070	.....	4000	400	3/4	208/3	181	181	180	SINGLE POINT POWER ENTRY
AHU-2	LENOX (OR EQUAL)	HP23-048	46,000	112	21600	320	.....	..	..	1/4	208/3	50	50	180	LOW AMBIENT KIT
AHU-3	LENOX (OR EQUAL)	CB30Y-463	.....	...	8	1070	.....	2000	400	3/4	208/3	181	181	180	SINGLE POINT POWER ENTRY
AHU-4	LENOX (OR EQUAL)	HP23-048	.....	...	8	1070	.....	2000	400	3/4	208/3	181	181	180	SINGLE POINT POWER ENTRY
AHU-5	LENOX (OR EQUAL)	HP23-048	59,000	110	21600	320	.....	..	..	1/4	208/3	254	254	254	LOW AMBIENT KIT

GENERAL NOTES:
 * All mechanical equipment shall be identified by name of manufacturer permanently attached to the equipment. Nameplates shall be engraved/unlaminated plastic or etched metal.
 * All field mounted equipment shall be set level.
 * All equipment to be installed by an authorized representative of manufacturer or verified by manufacturer's representative.

EXHAUST FAN SCHEDULE

ROOM	EXHAUST FAN	TYPE	PHASE	PROVIDE WITH
MECH ROOM	150	INTERIOR BACK DRAWT FAN	17 AMP	PROVIDE WITH

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	NECK SIZE (L x W)	FACE SIZE (L x W)	FRAME TYPE	REMARKS
A	TDC	TDC	SUPPLY DIFFUSER	24"x24"	TYPE 3	WHITE	
B	TDC	TDC	SUPPLY DIFFUSER	12"x24"	TYPE 1	WHITE	
C	50R	50R	ECCENTRIC RETURN/TRANSFER GRILLE	12"x24"	TYPE 3	WHITE	
D	50R	50R	ECCENTRIC RETURN GRILLE	24"x24"	TYPE 3	WHITE	

NOTES BY SYMBOL

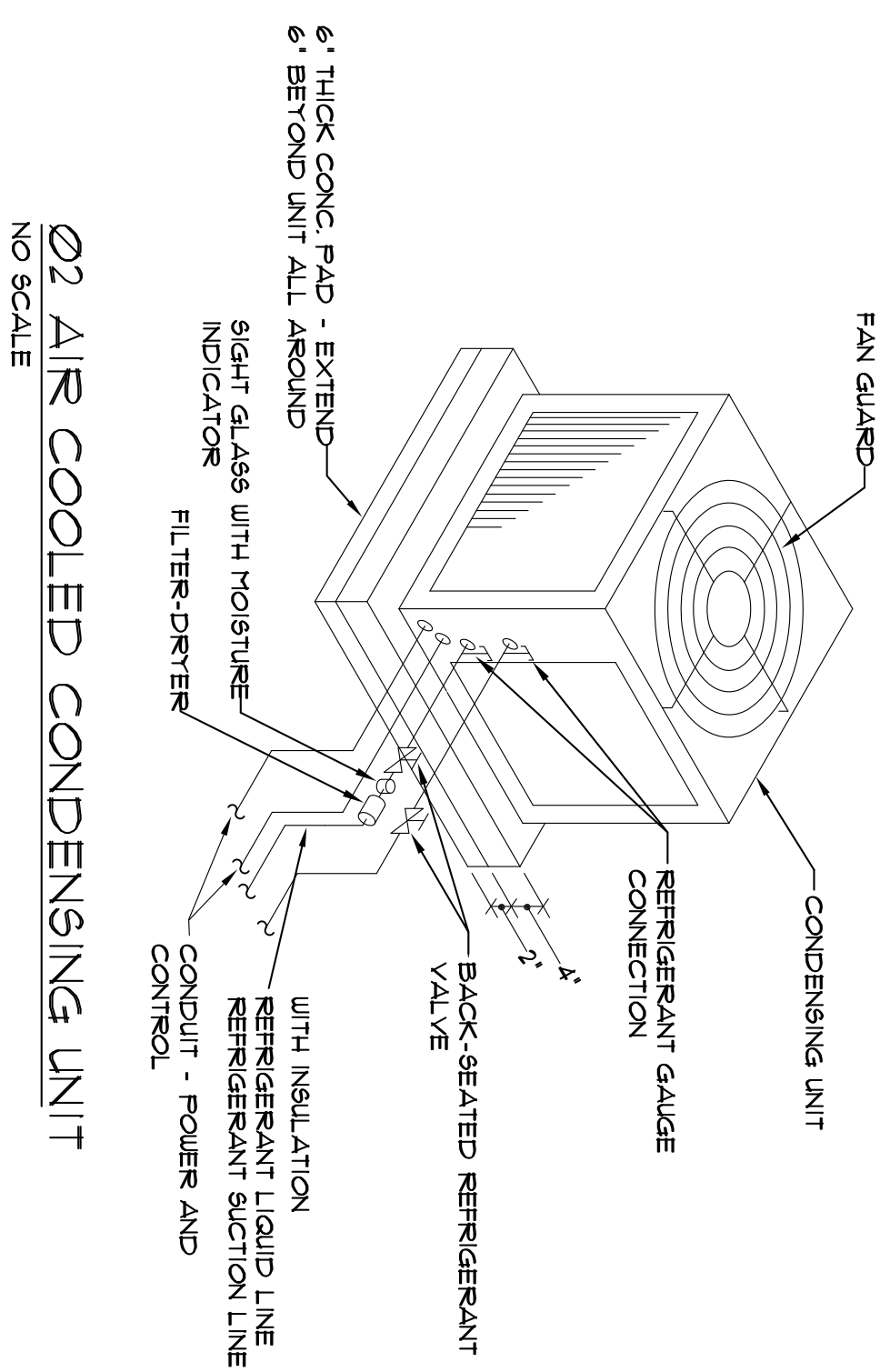
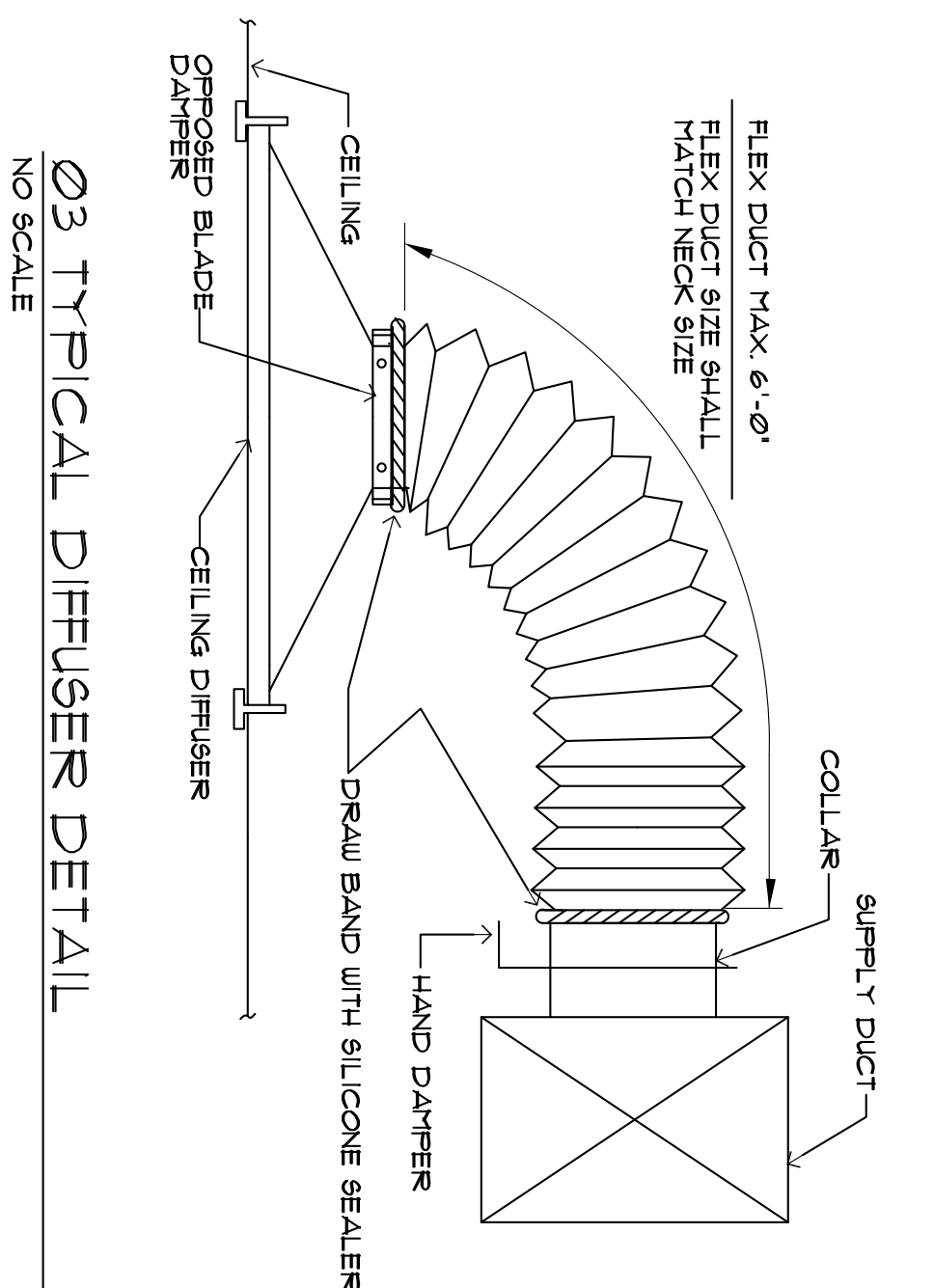
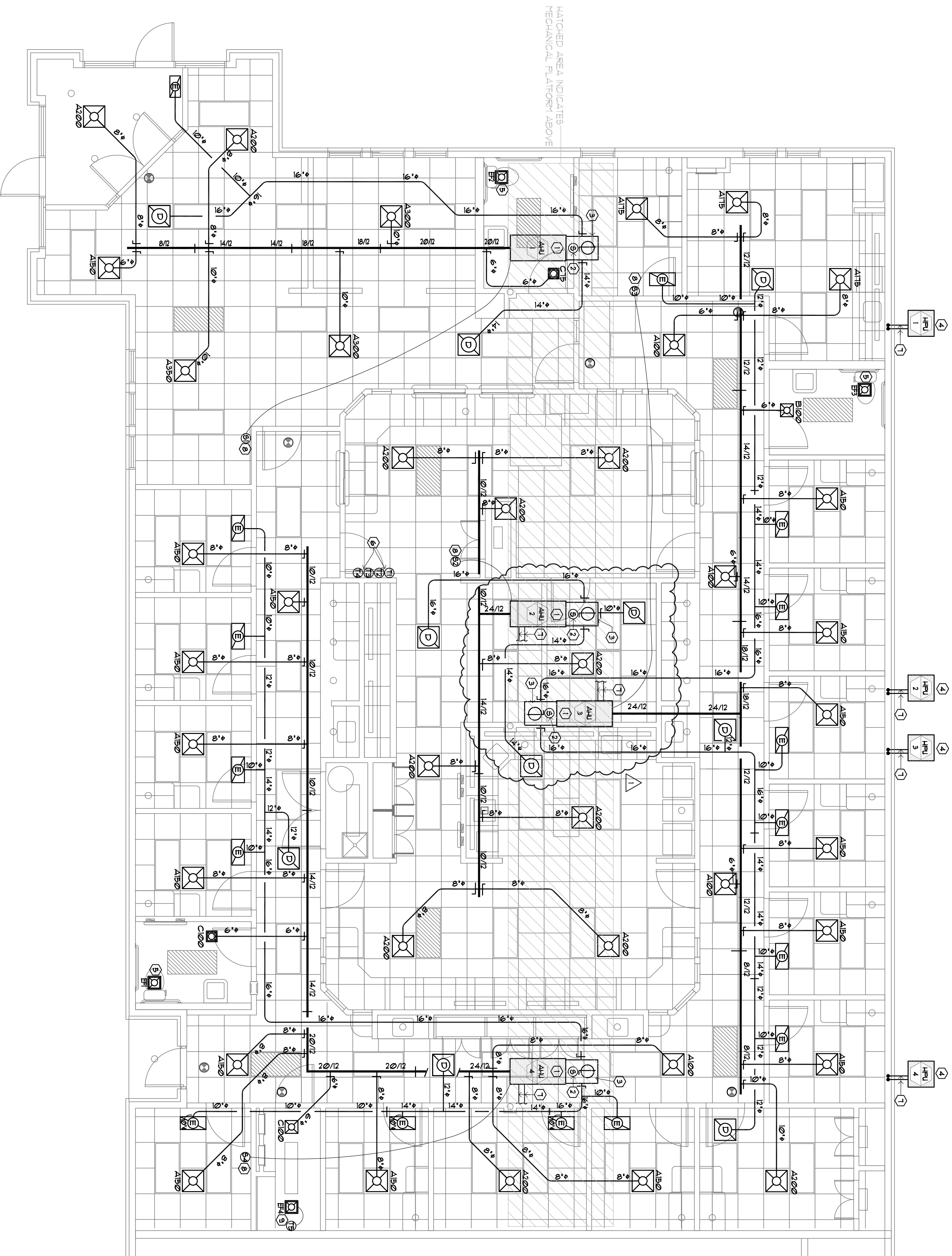
- MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL (4) NEW HORIZONTAL DISCHARGE AIR HANDLING UNITS WITH FLEX DUCTS BE MOUNTED ON ELOOR OF CATALUE HORIZONTAL SUPPLY RETURN AIR DUCT SHALL BE RIGID DUCTWORK INSTALLED AT FLOOR LEVEL. A CLEAR APPROACH PATH SHALL BE PROVIDED ON EITHER SIDE OF THE RETURN DUCTWORK TO ALLOW FOR FOOT TRAFFIC TO STEP OVER THE DUCT AND SERVICE EQUIPMENT ON ALL SIDES OF UNITS.
- PROVIDE SHOCK DETECTORS IN SUPPLY AIR DUCT FROM AUTOMATIC FAN SHUTDOWN AT .5% SHOCK DETECTOR TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR FINAL CONNECTION BY ELECTRICAL CONTRACTOR
- PROVIDE LINEB RETURN AIR DUCT SECTION, 3/4" SIZE AS UNIT OPENING. PROVIDE 6" X OUTSIDE AIR DUCT UP FROM RETURN AIR DUCT THROUGH ROOF AND TERMINATE WITH UP CAP AND AIR DUCT OPENING AND AT OUTSIDE AIR DUCT SET ON CEILING OUTSIDE AIR DUCT PER MECHANICAL EQUIPMENT SCHEDULE.
- CONTRACTOR SHALL PROVIDE AND INSTALL (4) REMOTE AIR CONTROL UNITS FOR CONDENSING UNITS. CONDENSING UNITS MUST BE SET LEVEL ON CONCRETE PADS. SEE EQUIPMENT SCHEDULE AND CONDENSING UNIT DETAIL FOR ADDITIONAL INFORMATION.
- CEILING MOUNTED EXHAUST FAN PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR EXTEND 6" EXHAUST DUCT THROUGH ROOF AND TERMINATE WITH UP CAP AND BIRDSCREEN INTERLOCK FAN CONTROL WITH LOCAL LIGHT CIRCUIT AND SWITCH. SEE EXHAUST FAN SCHEDULE FOR ADDITIONAL INFORMATION AND SHEET E1 FOR CIRCUITING.
- CONTRACTOR SHALL PROVIDE CONTROL EQUAL TO HONEYWELL VISON PRO 8000 SERIES PROGRAMMABLE HEAT AND REPOSE SENSING UNIT MOUNT 15' AT 48" AFF.
- PROVIDE AND INSTALL COPPER LIQUID AND SUCTON REFRIGERANT LINES FROM CONDENSING UNITS TO COIL AT AIR HANDLING UNITS. PROVIDE FLEXIBLE TANK CONNECTORS AND REFRIGERANT LINES TO CONDENSING UNITS WITH OWNERS FIELD REPRESENTATIVE.
- REMOTE TEMPERATURE SENSOR AT 5' AFF. SEE ALSO NOTES.
- CEILING MOUNTED EXHAUST FAN PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR EXTEND 6" EXHAUST DUCT THROUGH ROOF AND TERMINATE WITH UP CAP AND BIRDSCREEN. PROVIDE LOCAL LINE VOLTAGE 15' AT FOR FAN CONTROL SET AT 80° MOUNT 15' AT 48" AFF. SEE EXHAUST FAN SCHEDULE FOR ADDITIONAL INFORMATION AND SHEET E1 FOR CIRCUITING.

MECHANICAL GENERAL NOTES

CONTRACTORS AND SUB CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET, AND GAIN AN UNDERSTANDING OF THE WORK TO BE PERFORMED. CONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATING WITH THE WORK OF OTHER SECTIONS. EQUIPMENT FINISHED BY OTHERS. REQUIREMENTS OF THE OWNER AND CONTRACTORS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISERS AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY ALTERATIONS TO THE EXISTING CONDITIONS. ALL ROOFING WORK CUTS, REPAIRS, SPAD WORK ETC, SHALL BE PERFORMED BY THE LANDLORD'S APPROVED ROOFING CONTRACTOR.
 DRAWINGS FOR THE MECHANICAL WORK ARE DIAGRAMMATIC SHOWING THE GENERAL LOCATION, EQUIPMENT TYPE AND LAYOUT. THE DRAWINGS SHALL NOT BE USED FOR EXACT DIMENSIONS. REFER TO MANUFACTURERS STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, OFFSETS, ACCESSORIES AND MATERIALS NECESSARY FOR THE COMPLETE SYSTEM. SUBMIT SHOP DRAWINGS PER THE SPECIFICATIONS.
 ALL WORK SHALL BE COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND RECOMMENDED BY THE GOVERNING CITY INCLUDING APPLICABLE SECTIONS OF NFPA, OSHA, BOCA AND IBC OR ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK AND OBTAIN ALL INSPECTIONS REQUIRED BY CODE.

MECHANICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
⑨	TEMPERATURE SENSOR @ 48" AFF
①	THERMOSTAT @ 48" AFF
⊖	DUCT MOUNTED SHOCK DETECTOR
⊖	SUPPLY DIFFUSER
⊖	RETURN AIR GRILL
⊖	SUPPLY DIFFUSER/WO/DRANT BLOCKED
⊖	TURNING VANES
AHU	AIR HANDLING UNIT
EF	EXHAUST FAN
CU	CONDENSING UNIT



01 MECHANICAL PLAN

SCALE: 3/8\"/>

FOR BIDDING PURPOSES ONLY

OWNER REVISIONS
 04-30-09
 REVISIONS
 DATE

JOB NUMBER
09.016

SHEET TITLE
**MECHANICAL
 DETAILS**

SHEET NUMBER
M1

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**COOK CHILDREN'S
 PRIMARY CARE CLINIC**
 BURLESON, TX

linear!
 the architecture of Kemery Brundige and Young

8600 Freeport pky. Ste. 310
 Irving, TX 75063
 Phone: 972.929.9226
 Fax: 972.929.9061
 inbox@linear-architecture.com

ARCHITECT: Philip Kemery
 DATE: 04-30-09
 NOT FOR REGULATORY
 APPROVAL, PERMITTING,
 OR CONSTRUCTION.

CONTRACTOR SHALL VERIFY ALL
 DIMENSIONS AT THE SITE AND
 NOTIFY THE ARCHITECTS OF ANY
 DIMENSIONAL ERRORS, OMISSIONS
 OR DISCREPANCIES BEFORE
 BEGINNING OR PARALLELING ANY
 WORK.
 DO NOT SCALE DRAWINGS.