

MECHANICAL KEYED NOTES:

- 1 NEW SPLIT SYSTEM TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. UNIT TO BE PROVIDED WITH CONDENSATE OVERFLOW DRAIN PAN. SEE MECHANICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
- 2 PROVIDE SMOKE DETECTOR IN RETURN AIR STREAM FOR AUTOMATIC FAN SHUT DOWN. SMOKE DETECTOR TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. FINAL CONNECTION TO BE BY ELECTRICAL CONTRACTOR.
- 3 ROUTE OVERFLOW CONDENSATE DRAIN PIPE (1" PVC) FROM OVERFLOW DRAIN PAN, ABOVE CEILING LEVEL AND OVER TO EXTERIOR OF BUILDING TO DISCHARGE FROM ABOVE CEILING LEVEL TO GRADE. PLACE LINE ABOVE WINDOW WHERE POSSIBLE. MAINTAIN A MINIMUM 1/8" SLOPE IN DRAIN LINE WITHOUT SAGS OR DIPS. COORDINATE ROUTING WITH LOCATION OF DUCTWORK, STRUCTURE, CONDUIT, PIPING AND ANY OTHER ABOVE CEILING EQUIPMENT. INSULATE CONDENSATE PIPING PER SPECIFICATIONS ON MEPI.
- 4 EXHAUST FAN TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. ROUTE EXHAUST DUCT UP THROUGH ROOF. TERMINATE WITH WEATHER PROOF CAP AND BIRDSCREEN. FAN CONTROL TO BE BY LOCAL CIRCUIT AND SWITCH. FINAL CONNECTION TO BE BY ELECTRICAL CONTRACTOR. SEE EXHAUST FAN SCHEDULE AND FLOOR PLAN, SHEET EI, FOR ADDITIONAL INFORMATION.
- 5 PROVIDE HONEYWELL REMOTE TEMPERATURE SENSOR AND LOCKING COVER. MOUNT SENSOR 48" AFF AND WIRE TO THERMOSTATS AT THERMOSTAT BANK.
- 6 PROVIDE HONEYWELL T1300 PROGRAMMABLE TSTAT WITH NIGHT SETBACK FEATURE AND LOCKING COVER. MOUNT TSTAT 48" AFF.
- 7 PROVIDE SHEET METAL MIXING BOX, SIZE AS INDICATED ON DRAWINGS.
- 8 PROVIDE AND INSTALL COPPER LIQUID AND SUCTION REFRIGERANT LINES FROM CONDENSING UNITS TO COIL AT AIR HANDLING UNITS. SIZE LINES AND PROVIDE INSULATION PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS. COORDINATE ROUTING OF LINES WITH OWNERS FIELD REPRESENTATIVE.
- 9 PROVIDE GALVANIZED SHEET METAL OVERFLOW DRAIN PAN, 1 1/2" IN DEPTH (MINIMUM).
- 10 ROUTE PRIMARY CONDENSATE DRAIN PIPE (1" PVC) FROM FAN COIL UNIT, ABOVE CEILING LEVEL AND OVER TO RESTROOM SINK AREA. TIE TRAPPED CONDENSATE LINE INTO VENT LINE ABOVE SINK. MAINTAIN A MINIMUM 1/8" SLOPE IN DRAIN LINE WITHOUT SAGS OR DIPS. COORDINATE ROUTING WITH LOCATION OF DUCTWORK, STRUCTURE, CONDUIT, PIPING AND ANY OTHER ABOVE CEILING EQUIPMENT. INSULATE CONDENSATE PIPING PER SPECIFICATIONS ON MEPI.
- 11 CONTRACTOR SHALL PROVIDE AND INSTALL REMOTE AIR COOLED CONDENSING UNIT. CONDENSING UNIT SHALL BE MOUNTED ON A CONCRETE PAD ON SIDE OF BUILDING OR REAR IF MANUFACTURER'S LINE LENGTH LIMITATIONS ALLOW. TOTAL REFRIGERANT LINE LENGTH NOT TO EXCEED 100'-0" INCLUDING VERTICAL DISTANCES AND LENGTH PENALTIES FOR BENDS, UNLESS SPECIFICALLY ALLOWED BY MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALLATION SHALL CONFORM TO MANUFACTURER'S GUIDELINES TO AVOID VOIDING WARRANTY.
- 12 PROVIDE OUTSIDE AIR INTAKE WITH WEATHERPROOF ROOF CAP AND BIRD SCREEN. CONTRACTOR SHALL OFFSET AS NECESSARY TO MAINTAIN 10'-0" CLEARANCE FROM ANY EXHAUST SOURCES.
- 13 PROVIDE 16" Ø DUCT UP FROM RETURN GRILLE THROUGH ROOF DECK TO BAROMETRIC RELIEF VENT ON ROOF. VENT SHALL BE WEATHERPROOF AND SHALL HAVE BIRD SCREEN.
- 14 ROUTE CONDENSATE LINE FROM AHU TO TIE INTO VENT LINE FROM FLOOR DRAIN AT WATER HEATER.
- 15 AHU SHALL BE MOUNTED ON FLOOR OF CATAWALK. 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.

MECHANICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
⊙	TEMPERATURE SENSOR @ 48" AFF
⊕	THERMOSTAT @ 48" AFF
⊕	DUCT MOUNTED SMOKE DETECTOR
—	VOLUME DAMPER
⊠	SUPPLY DIFFUSER
⊠	RETURN AIR GRILL
⊠	SUPPLY DIFFUSER W/QUADRANT BLOCKED
⊠	TURNING VANES
AHU	AIR HANDLING UNIT
EF	EXHAUST FAN
CU	CONDENSING UNIT

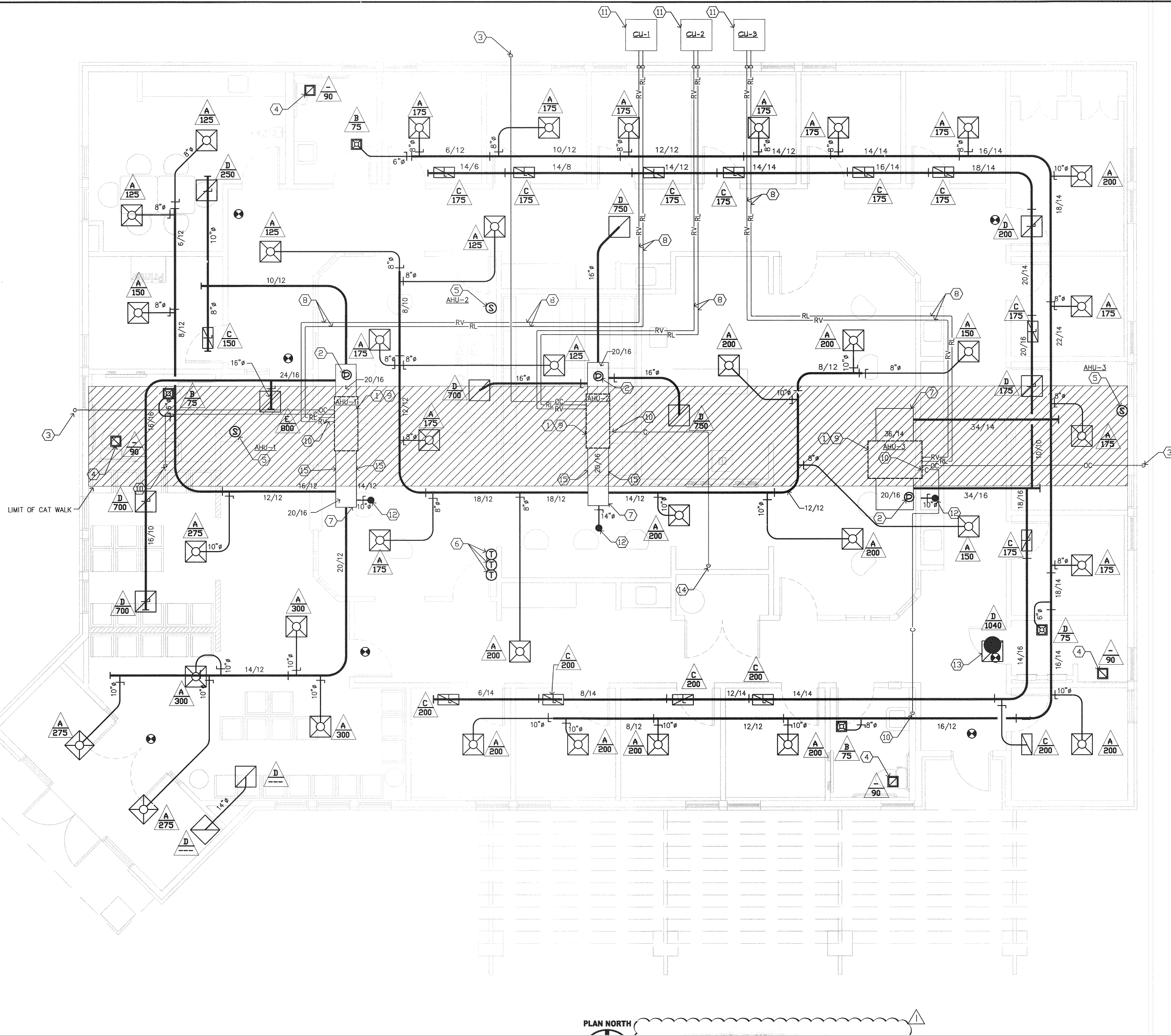
MECHANICAL GENERAL NOTES

CONTRACTORS AND SUB CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCING THE COMPLETE DOCUMENT SET.

COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER AND CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.

ALL ROOFING WORK (CUTS, REPAIRS, SPUD WORK, ETC.) SHALL BE PERFORMED BY THE LANDLORDS APPROVED ROOFING CONTRACTOR.

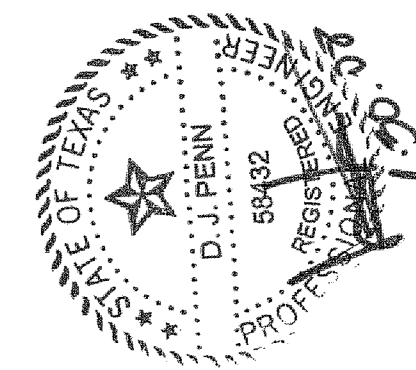
DRAWINGS FOR THE MECHANICAL WORK ARE DIAGRAMMATIC SHOWING THE GENERAL LOCATION, EQUIPMENT TYPE AND LAYOUT. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURERS STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, OFFSETS, ACCESSORIES AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM. SUBMIT SHOP DRAWINGS PER THE SPECIFICATIONS.



01-24-06 OWNER REVISIONS

NO.	DATE	REVISIONS

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



Linear!
 the architecture of Kermey Brundage and Young
 5005 W Royal Lane Suite 144
 Ft. Worth, TX 76107
 Phone: 972.929.9226
 Fax: 972.929.9061
 info@linear-architecture.com

**COOK CHILDREN'S
 PRIMARY CARE CLINIC**
 FT. WORTH, TX

JOB NUMBER
07.210

SHEET TITLE
MECHANICAL