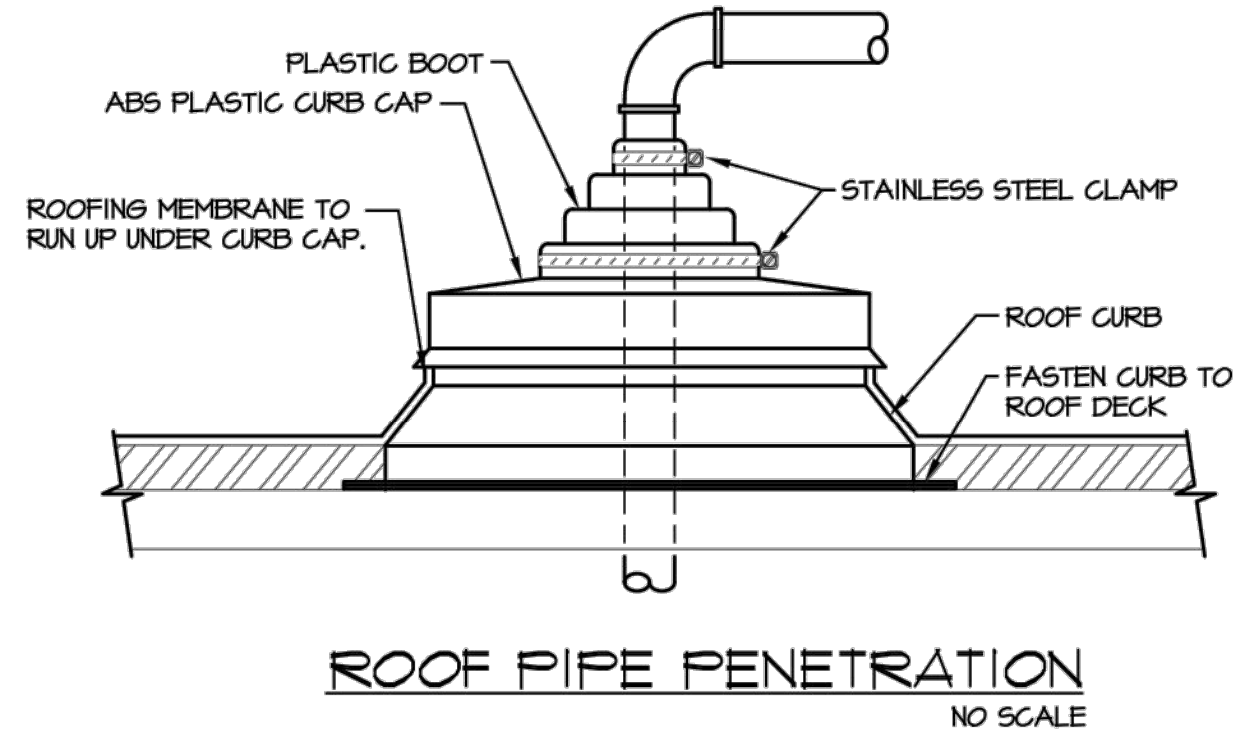


DATE	REVISION	NO	CD	ISSUED FOR	ISSUE DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
					05/31/19	AS SHOWN	DJH	DJH	JDM

LAKELAND TRANSFER STATION
LAKELAND COMMUNITY COLLEGE
 7700 CLOCKTOWER DR., KIRTLAND, OH 44094

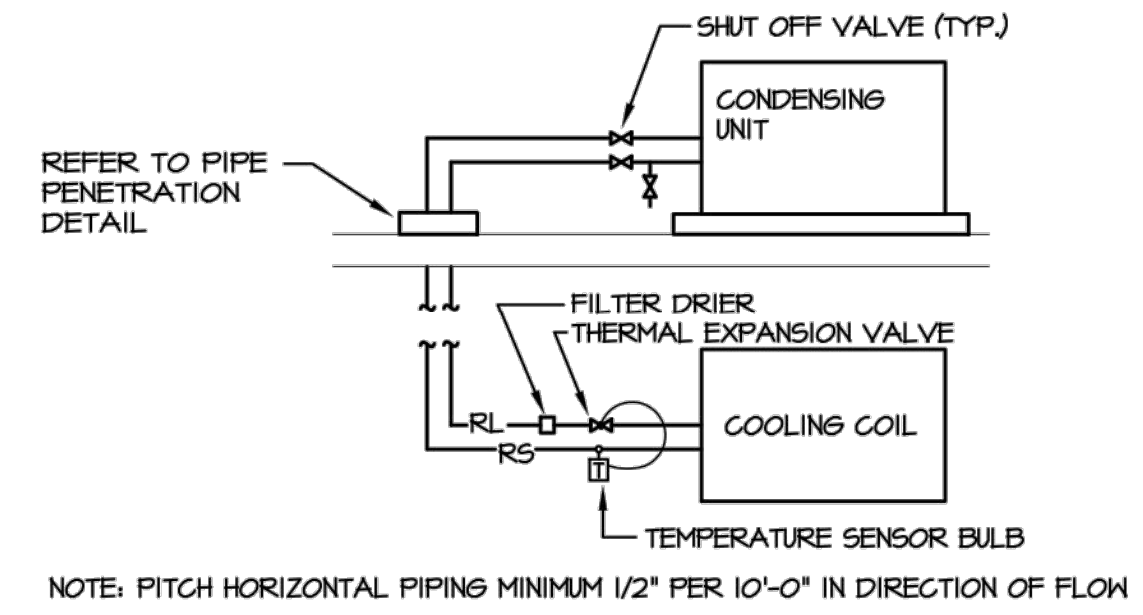
MECHANICAL ABBREVIATIONS, DETAILS, AND NOTES

PROJECT NO.	
18050002	
DISCIPLINE	
MECHANICAL	
SHEET NAME	
M-2	
SHEET	OF
47	55



GENERAL NOTES

- COORDINATE SCHEDULE OF WORK REQUIRED IN OCCUPIED AND OPERATING AREAS WITH OWNER PRIOR TO STARTING SUCH WORK.
- SCHEDULE UTILITY SERVICE SHUTDOWNS REQUIRED FOR NEW CONSTRUCTION WITH OWNER AND GENERAL TRADES PRIOR TO SHUTTING DOWN SYSTEMS. GIVE ONE WEEK ADVANCE NOTICE IN WRITING.
- CUT FLOOR, WALL, AND CEILING CONSTRUCTION FOR PENETRATIONS TO ACCOMMODATE NEW WORK. COORDINATE WITH GENERAL TRADES. PATCH CONSTRUCTION TO MATCH, OR TO SATISFACTION OF ARCHITECT AND OWNER.
- COORDINATE ROUTING OF NEW DUCTWORK WITH EXISTING BUILDING CONDITIONS AND WITH WORK OF OTHER TRADES. PROVIDE CHANGES IN LOCATION, DIRECTION, OFFSETS, AS MAY BE REQUIRED, WHETHER SPECIFICALLY INDICATED OR NOT, AND AT NO ADDITIONAL COST TO THE OWNER.
- COORDINATE AIR DISTRIBUTION DEVICE LOCATIONS WITH FINAL REFLECTED CEILING PLAN.
- UNLESS OTHERWISE NOTED, FLEXIBLE DUCTWORK IS SAME SIZE AS ROUND DUCTWORK TO WHICH IT IS CONNECTED. FLEXIBLE DUCTWORK TO BE NO MORE THAN 5'-0" AND TO BE INSTALLED TIGHT WITH NO SAGS OR KINKS.
- THE DUCTWORK SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
- UNLESS OTHERWISE NOTED, DUCTWORK SERVING A SINGLE DIFFUSER, GRILLE OR REGISTER IS TO BE FULL NECK SIZE OF AIR DISTRIBUTION DEVICE FROM BRANCH TAKE-OFF TO DEVICE CONNECTION.



REFRIGERANT-SPLIT SYSTEM PIPING
NO SCALE

MECHANICAL SYMBOLS

- TURNING VANES
- VOLUME DAMPER
- SUPPLY DUCT (DOWN - UP THROUGH LEVEL)
- RETURN OR EXHAUST DUCT (DOWN - UP THROUGH LEVEL)
- TRANSITION (RECTANGULAR DUCT TO ROUND DUCT)
- SUPPLY AIR DIRECTION ARROW
- FLEXIBLE DUCT CONNECTION
- RETURN/EXHAUST INTAKE DIRECTION ARROW
- TERMINAL MARK - NECK SIZE - AIRFLOW (CFM)
- RTU-I
- THERMOSTAT AND ASSOCIATED EQUIPMENT
- SHUTOFF VALVE
- FLOW DIRECTION
- PIPE ELBOW, DOWN
- PIPE ELBOW, UP
- PIPE TEE, DOWN
- PIPE TEE, UP
- REFRIGERANT LIQUID
- REFRIGERANT SUCTION

MECHANICAL ABBREVIATIONS

- AHU AIR HANDLING UNIT
- ASHRAE AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS.
- B BOILER
- CFH CUBIC FEET PER HOUR
- CFM CUBIC FEET PER MINUTE
- CJ CONDENSER UNIT
- DEGREES, F DEGREES FAHRENHEIT
- DN DOWN
- DX DIRECT EXPANSION
- EA EXHAUST AIR
- EAT ENTERING AIR TEMPERATURE
- EDB ENTERING DRY BULB TEMPERATURE
- EER ENERGY EFFICIENCY RATIO
- EF EXHAUST FAN
- ESP EXTERNAL STATIC PRESSURE
- EWB ENTERING WET BULB TEMPERATURE
- EWT ENTERING WATER TEMPERATURE
- FLA FULL LOAD AMPS
- FFM FEET PER MINUTE
- HP HORSEPOWER
- HJ HUMIDIFIER
- HVAC HEATING, VENTILATING AND AIR CONDITIONING
- KW KILOWATT
- LAT LEAVING AIR TEMPERATURE
- LBS POUNDS
- LDB LEAVING DRY BULB TEMPERATURE
- LWB LEAVING WET BULB TEMPERATURE
- LWT LEAVING WATER TEMPERATURE
- MAX MAXIMUM
- MCA MINIMUM CIRCUIT AMPACITY
- MOPP MAXIMUM OVERCURRENT PROTECTION
- NC NOISE CRITERIA
- OA OUTSIDE AIR
- PG PROPYLENE GLYCOL
- RA RETURN AIR
- RH RELATIVE HUMIDITY
- RPM REVOLUTIONS PER MINUTE
- RTU ROOFTOP AIR CONDITIONING UNIT
- SA SUPPLY AIR
- SD SMOKE DETECTOR
- SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
- V VOLTS



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