

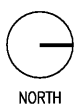
- PLAN KEYED NOTES**
- SEE UPPER LEVEL MECHANICAL PLAN SHEET M.200 FOR CONTINUATION OF SUPPLY AND RETURN DUCTWORK TO HANDLERS LOCATED IN MEZZANINE.
 - 10x10 EXHAUST AIR UP TO UPPER LEVEL.
 - 6x9 EXHAUST AIR UP TO UPPER LEVEL.
 - 10x10 RELIEF AIR UP TO UPPER LEVEL.
 - INSTALL DIFFUSER OR GRILLE 8'-0" ABOVE FINISH FLOOR IN ROOM.
 - VENT DRYER VENT IN WALL UP FROM ROOF. SEE DETAIL 7/M.400. DRYER VENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 504 OF THE INTERNATIONAL MECHANICAL CODE. PROVIDE A USE OR TAG WITH THE EQUIVALENT LENGTH OF DRYER EXHAUST WITHIN 6 FEET OF THE DUCT CONNECTION.
 - MOUNT ALL THERMOSTATS BEHIND DOOR, DIRECTED TO ROOM. LABEL EACH THERMOSTAT WITH ROOM NAME(S) SERVED.
 - INSTALL HEAVY DUTY DOOR TRANSFER GRILLE AT 6'-0" ABOVE FINISH FLOOR, COORDINATE WITH ARCHITECTURAL ELEVATIONS. PROVIDE WITHOUT VOLUME DAMPER. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
 - OBSEY MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES AND NATIONAL ELECTRIC CODE CLEARANCE REQUIREMENTS WHEN LOCATING OUTDOOR CONDENSING UNITS. OBSERVE ANY APPLICABLE LOCAL AND STATE INSTALLATION REQUIREMENTS. COORDINATE CLEARANCE REQUIREMENTS WITH GENERAL CONTRACTOR FOR INSTALLATION OF SECURITY FENCE AND GATES.
 - EXTEND REFRIGERANT PIPING FROM OUTDOOR CONDENSING UNITS TO ASSOCIATED AIR HANDLER IN MEZZANINE MECHANICAL ROOM. SIZE REFRIGERANT PIPING PER MANUFACTURER'S INSTRUCTIONS BASED ON ACTUAL LENGTHS OF RUN. SUBMIT REFRIGERANT PIPING SUBMITTALS FOR ENGINEER TO REVIEW PRIOR TO INSTALLATION. FOLLOW MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE LOCAL AND STATE CODES FOR INSTALLATION.
- UNDER DOOR 1" FOR AIR PASSAGE.

- REFRIGERANT PIPING NOTES**
- ALL REFRIGERANT PIPE INSULATION SHALL BE A MINIMUM OF 1" THICK BASED ON ASHRAE 8.8.3B. CONTRACTOR SHALL VERIFY WITH LOCAL CODE REQUIREMENTS PRIOR TO BID.
- ALL REFRIGERANT PIPE INSULATION WHICH IS LOCATED OUTDOORS, MUST INCORPORATE A WEATHER RESISTANT PROTECTIVE FINISH, SUCH AS ARMACELL ARMAFLEX FINISH.
- ALL REFRIGERANT PIPING INSTALLED OUTDOORS (EXPOSED TO AMBIENT) SHALL BE INSTALLED IN PVC JACKETS. RIC SHALL SUPPORT AND PROTECT REFRIGERANT PIPING AS REQUIRED. PVC JACKETS TO BE PROVIDED AND INSTALLED BY THE RIC.

INSULATION NOTE: ALL DUCTWORK SHALL BE INSULATED 3" THICK WITH A MINIMUM R-VALUE OF R-8.0. DUCT DIMENSIONS INDICATED ARE NET INSIDE DIMENSIONS REQUIRED FOR AIRFLOW. INCREASE DUCT SIZE TO ALLOW FOR INSULATION THICKNESS. ALL DUCTWORK SHALL BE INSULATED BY WRAP INSULATION, DUCT LINING SHALL NOT BE PERMITTED. ALL PROJECT REQUIREMENTS OF SPECIFICATIONS SHEET M.500 SHALL BE ADHERED TO, NO EXCEPTIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.

MAIN LEVEL MECHANICAL PLAN

3/16" = 1'-0"



NO.	DATE	REMARKS



RAINBOW CHILD CARE CENTER

C - PROTOTYPE
2609 W. LAKE MARY BLVD.
LAKE MARY, FL 32746

PROJECT NO: 2017.0250
DATE: 12.22.17

M.100
MAIN LEVEL MECHANICAL PLAN

CHECKED: JL DRAWN: PH

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