

ISSUE FOR	DATE
REVIEW	10/16/17
REVIEW	10/25/17
REVIEW	11/14/17
REVIEW	11/20/17
REVIEW	11/29/17
PERMIT REVIEW	1/29/18

DRAWN BY:  
APPROVED:  
PROJECT NO.  
DATE  
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TENANT IMPROVEMENTS FOR:  
**PIONEER CHILD CARE SERVICES, INC.**  
18W375 E. ROOSEVELT RD.  
DUPAGE CTY., ILLINOIS

SHEET DESCRIPTION  
MECH FLOOR PLANS

SHEET NUMBER  
**M-1**  
SHEET 1 of 2

**COMcheck Software Version 4.0.7.2 Review**  
**Mechanical Compliance Certificate**

**Project Information**  
Energy Code: 2015 IECC  
Project Title: Lombard, Illinois  
Location: 5A  
Climate Zone: Alteration  
Project Type:

Construction Site: IL  
Owner/Agent: IL  
Designer/Contractor: IL

**Mechanical Systems List**

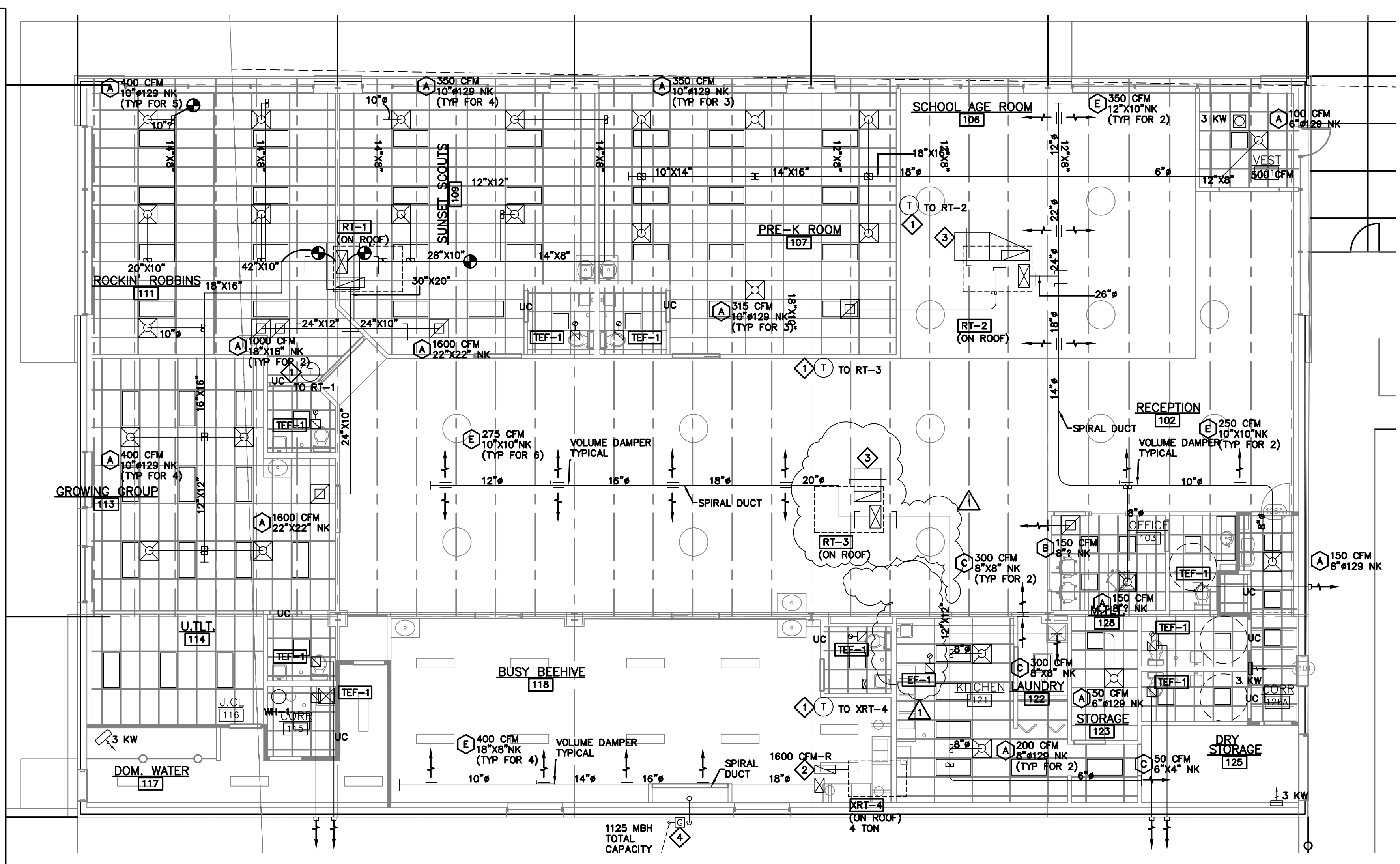
- Quantity System Type & Description**
- 1 RT-1 (2.5 tons) (Single Zone):  
Heating: 1 each - Central Furnace, Gas, Capacity = 250 kBtu/h  
Proposed Efficiency = 80.00% E1, Required Efficiency = 80.00% E1  
Cooling: 1 each - Single Package DX Unit, Capacity = 148 kBtu/h, Air-Cooled Condenser, Air Economizer  
Proposed Efficiency = 10.80 SEER, Required Efficiency = 10.00 SEER + 12.2 IEER  
Fan System: RT-1 - Compliance (Motor nameplate HP method): Passes  
Fans:  
FAN 1 Supply, Constant Volume, 8000 CFM, 3.6 motor nameplate hp, 80.0 fan efficiency grade
  - 1 RT-3 (7.5 tons) (Single Zone):  
Heating: 1 each - Central Furnace, Gas, Capacity = 180 kBtu/h  
Proposed Efficiency = 80.00% E1, Required Efficiency = 80.00% E1  
Cooling: 1 each - Single Package DX Unit, Capacity = 84 kBtu/h, Air-Cooled Condenser, Air Economizer  
Proposed Efficiency = 11.00 SEER, Required Efficiency = 11.00 SEER + 12.6 IEER  
Fan System: RT-3 - Compliance (Motor nameplate HP method): Passes  
Fans:  
FAN 6 Supply, Constant Volume, 3000 CFM, 2.0 motor nameplate hp, 65.0 fan efficiency grade
  - 1 RT-4 (5 tons) (Single Zone):  
Heating: 1 each - Central Furnace, Gas, Capacity = 115 kBtu/h  
Proposed Efficiency = 80.00% E1, Required Efficiency = 80.00% E1  
Cooling: 1 each - Single Package DX Unit, Capacity = 62 kBtu/h, Air-Cooled Condenser, Air Economizer  
Proposed Efficiency = 14.10 SEER, Required Efficiency = 14.00 SEER  
Fan System: RT-4 - Compliance (Motor nameplate HP method): Passes  
Fans:  
FAN 5 Supply, Constant Volume, 2000 CFM, 0.3 motor nameplate hp, 65.0 fan efficiency grade
  - 1 WH-1:  
Gas Storage Water Heater, Capacity: 100 gallons, Input Rating: 75 kBtu/h w/ Circulation Pump  
Proposed Efficiency: 65.00 EF, Required Efficiency: 0.48 EF

**Mechanical Compliance Statement**  
Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.0.7.2 Review and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

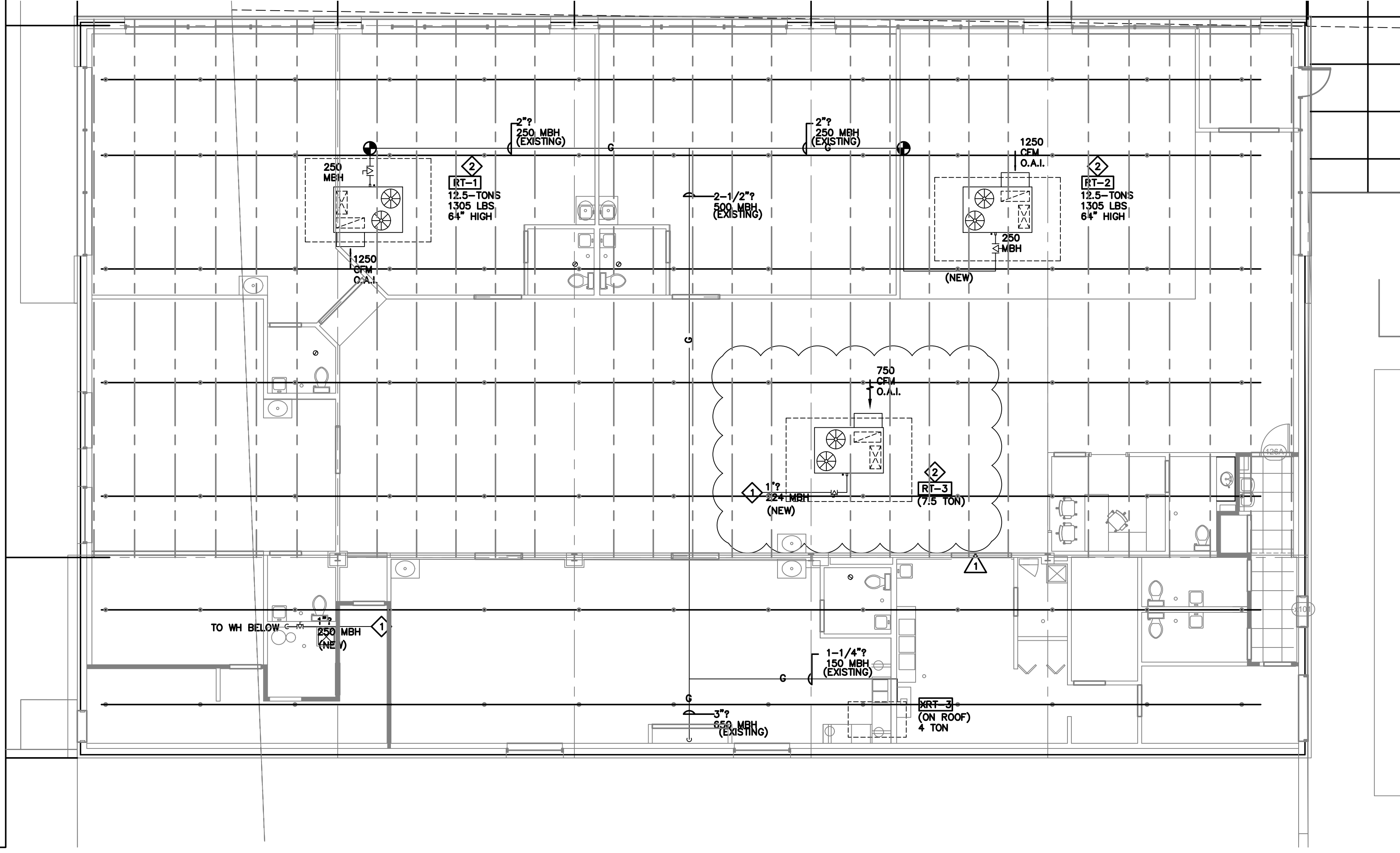
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Report date: 12/21/17  
Data filename: C:\Atiq Pioneer\SENT\12-20-2017\17098-KIA Comcheck.cck  
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Name - Title Signature Date

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**MECHANICAL FLOOR PLAN**  
SCALE: 1/8" = 1'-0"  
1125 MBH TOTAL CAPACITY



**MECHANICAL ROOF PLAN**  
SCALE: 1/8" = 1'-0"

- MECHANICAL KEY NOTES**
1. MOUNT NEW THERMOSTAT 48" ABOVE FFL.
  2. EXISTING TO REMAIN, BALANCE CFM PER FLOOR PLAN.
  3. TERMINATE RETURN AIR OPENING WITH 1"x1" WIRE MESH. SIZE OPENING SAME AS ROOF TOP UNIT RETURN OPENING.
  4. APPROXIMATE LOCATION OF EXISTING GAS METER TO REMAIN. CONTRACTOR SHALL COORDINATE NEW GAS CAPACITIES, PRESSURE, AND MANIFOLD REQUIREMENTS WITH THE LOCAL GAS COMPANY FOR ADDING ADDITIONAL CAPACITY TO THE EXISTING BUILDING LOAD. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL NEW DOWNSTREAM PIPING INCLUDING ALL VALVES, REGULATORS, SUPPORTS, HANGERS AND ANY ASSOCIATED APPARATUS. VERIFY ALL PRESSURE REQUIREMENTS WITH MANUFACTURER'S EQUIPMENT SPECIFICATIONS.