

building	
id: INTEGER	NOT NULL [PK]
footage: INTEGER NOT NULL	
latitude: NUMERIC(10, 6) NOT NULL	
longitude: NUMERIC(10, 6) NOT NULL	
floor_count: TINYINT NOT NULL	
unit_type_count: TINYINT NOT NULL	
elevator_count: TINYINT NOT NULL	
orientation: VARCHAR(20) NOT NULL	
project_id: INTEGER NOT NULL	

system_type	
id: TINYINT	NOT NULL [PK]
description: VARCHAR(50) NOT NULL	

fuel_type	
id: TINYINT	NOT NULL [PK]
description: VARCHAR(20) NOT NULL	

baseboard	
id: INTEGER	NOT NULL [PK]
location: VARCHAR(50) NOT NULL	
room_id: INTEGER NOT NULL [FK]	

system	
id: INTEGER	NOT NULL [PK]
boiler_count: TINYINT NOT NULL	
boiler_circulator_count: TINYINT NOT NULL	
building_id: INTEGER NOT NULL [FK]	
fuel_type_id: TINYINT NOT NULL [FK]	
type_id: TINYINT NOT NULL [FK]	
main_circulator_manufacturer: VARCHAR(30) NOT NULL	
main_circulator_model: VARCHAR(20) NOT NULL	
valve_count: TINYINT NOT NULL	

room	
id: INTEGER	NOT NULL [PK]
length: NUMERIC(5, 2) NOT NULL	
building_id: TINYINT NOT NULL [FK]	
width: NUMERIC(5, 2) NOT NULL	

radiator	
id: TINYINT	NOT NULL [PK]
room_id: INTEGER NOT NULL [FK]	
location: VARCHAR(20) NOT NULL	

boiler	
id: INTEGER	NOT NULL [PK]
age: TINYINT NOT NULL	
model_number: VARCHAR(20) NOT NULL	
manufacturer: VARCHAR(30) NOT NULL	
mbh_output: INTEGER NOT NULL	
pressure: NUMERIC(7, 4) NOT NULL	
reset: VARCHAR(20) NOT NULL	
system_id: VARCHAR NOT NULL [FK]	
temperture: NUMERIC(4, 2) NOT NULL	
type_id: TINYINT NOT NULL	

burner	
id: INTEGER	NOT NULL [PK]
boiler_id: INTEGER NOT NULL [FK]	
age: TINYINT NOT NULL	
manufacturer: VARCHAR(30) NOT NULL	
model_number: VARCHAR(20) NOT NULL	

piping	
id: INTEGER	NOT NULL [PFK]
building_id: INTEGER NOT NULL	
insulation: VARCHAR(30) NOT NULL	
configuration: VARCHAR(30) NOT NULL	

domestic_hot_water	
id: INTEGER	NOT NULL [PK]
boiler_id: VARCHAR NOT NULL [FK]	
water_heater_manufacturer: VARCHAR(30) NOT NULL	

