Racks

id	int
freezer_id	int
stores	rack_types
open_position	int
max_position	int
full	boolean

Plates

id	int
rack_id	int
thaw_count	int
store_date	date
discarded	boolean

Samples

id	int
plate_id	int
box_id	int
sample	sample_types
stored_as	storage_types
accession_date	date
store_date	date
thaw_count	tinyint
expiration_date	date
discarded	boolean

Freezers

id	int
active	boolean
building	building_name
open_position	int
max_position	int
full	boolean

Boxes

id	int
rack_id	int
freezer_id	int
stores	storage_types
open_position	int
max_position	int
full	boolean

Sample_Logs

id	int
sample_id	int
log	varchar(250)

dbdiagram.io
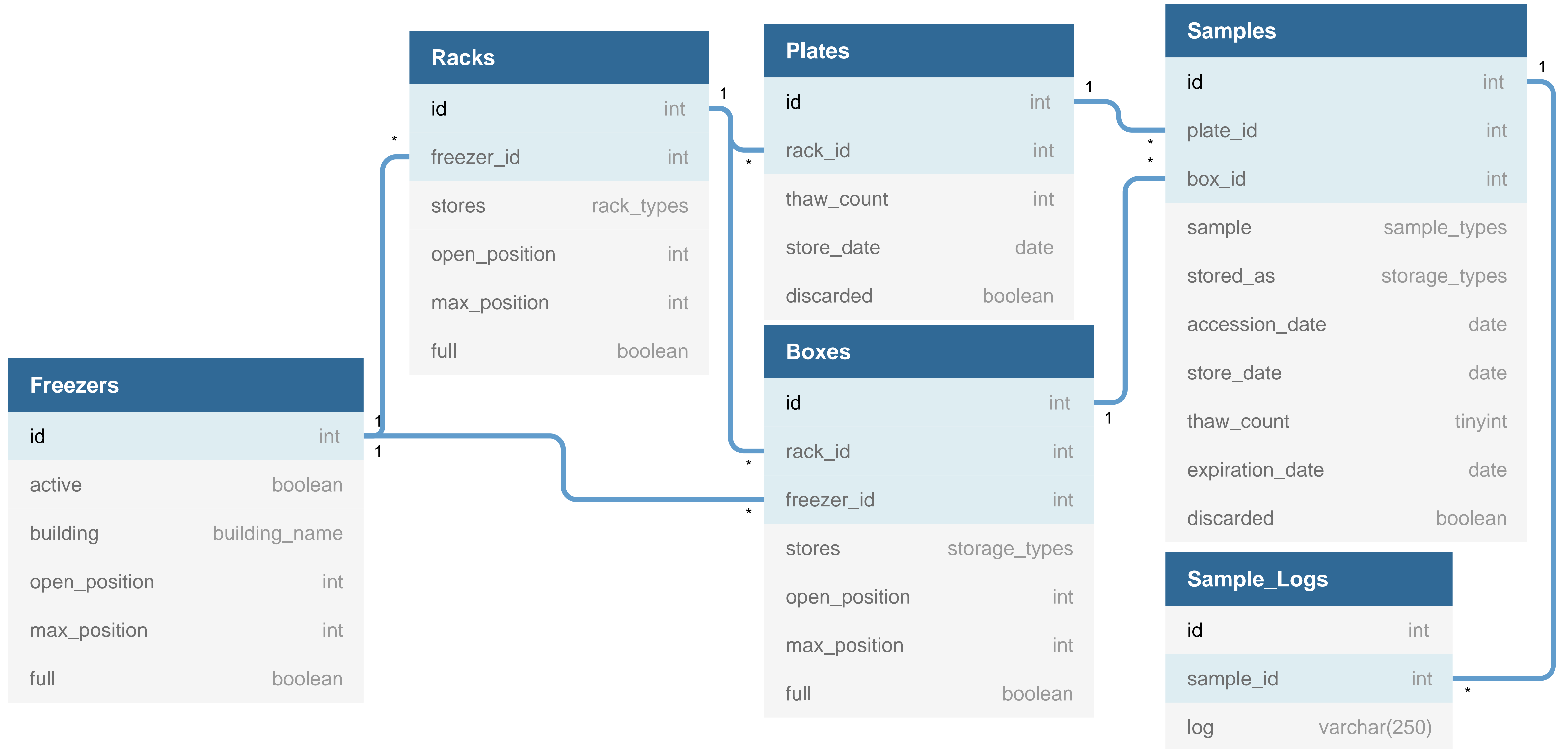
```
Enum building_name {
  coshocton
  crooksville
  zanesville
  malta
}


Enum rack_types {
  plates
  boxes
}


Enum sample_types {
  intestinal_tissue
  lung_tissue
  skin_tissue
  whole_blood
}
```

```
Enum storage_types {
  plate
  eppendorf_1_5
  eppendorf_2_0
  falcon_15
  falcon_50
  stoppered_10
}
```