

The background is a dark, stylized illustration of a town at night. The buildings are rendered in dark, muted colors with some windows glowing. A large, red, cloud-like shape with a white outline is centered in the upper half of the image. Inside this shape, the word 'FOGVIll' is written in a large, grey, blocky font with a white outline. Below it, the words 'AMUSEMENT PARK OF THE DEAD.' are written in a smaller, black, hand-drawn font. The overall mood is dark and mysterious.

FOGVIll

AMUSEMENT PARK OF THE
DEAD.

Level Engineering - Game Idee:

- 3D Horde-FPS inspired by Vampire-Survivor-likes and COD:Zombies
- Ziel/Gameplay-loop:
 - Survive waves of (zombie-like) enemies by fleeing, dodging and shooting them
 - Each killed enemy drops currency that can be collected
 - Buy upgrades located all around the level with the currency for a better chance of surviving the next wave
- Level Engineering Challenges:
 - Maps are bigger areas connected by small corridors
 - size of areas and corridors determines difficulty
 - -> get good overall size balance by using metrics
 - Upgrades are located all over the map
 - player thus need to be able to orientate in the level
 - -> use districts and landmarks for easy navigation



[Source: Here](#)

CALL OF DUTY
BLACK OPS
COLD WAR
NOVEMBER 13

Level Engineering - Presentation

Game Concept:

- Horde-FPS
- Wave-based
- Enemies get stronger every wave
- Survive by shooting them and running away
- On death, enemies drop currency
- Buy upgrades with currency at special upgrade stations across the map (not implemented yet)

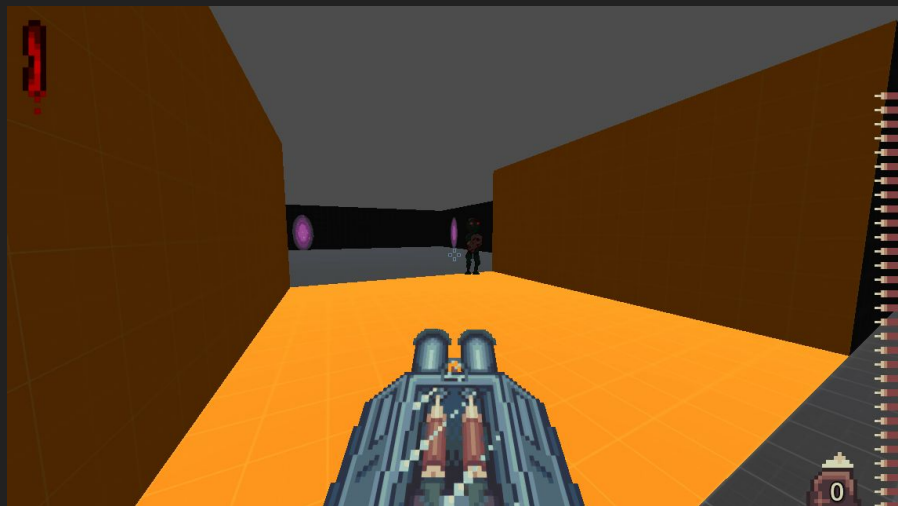
Game Theme / World Idea:

- Amusement park with medieval setting
- Thus mainly medieval buildings but maybe some modern technology (badly) hidden
- Some kind of monsters roam the park at night
- Player breaks into park at night...

Level Engineering - Tools

- **No-Clip-Tool:**
 - leave player character to fly around without collisions
 - teleport player character
 - pause / play during no-clip
- **Cheatmodule:**
 - cheat coins
 - make yourself invincible
 - skip to next round
- **Playtest area:**
 - two rooms connected by one corridor
 - change size of rooms and corridor during play to find good metrics
 - (somehow broke with newer versions of the code)

Level Engineering - Tools



Level Engineering - Tools

- **Drag-N-Drop Play Button:**

- drag the button into a 3d scene to start the scene from that position
- automatically detects and teleports player character
- does not modify the scene, or needs modification of the scene



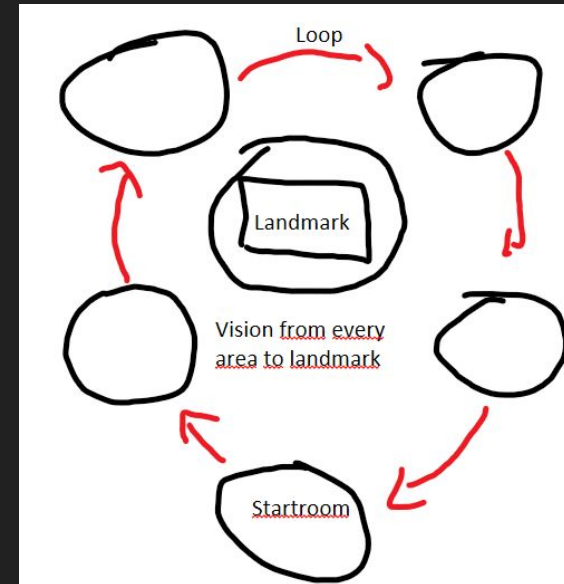
- **On Click Nav Generation Button:**

- One click to generate Nav Mesh for entire scene
- Godot cannot generate nav mesh at import
- Copies all meshes under Nav Mesh node, generates nav mesh then deletes copies

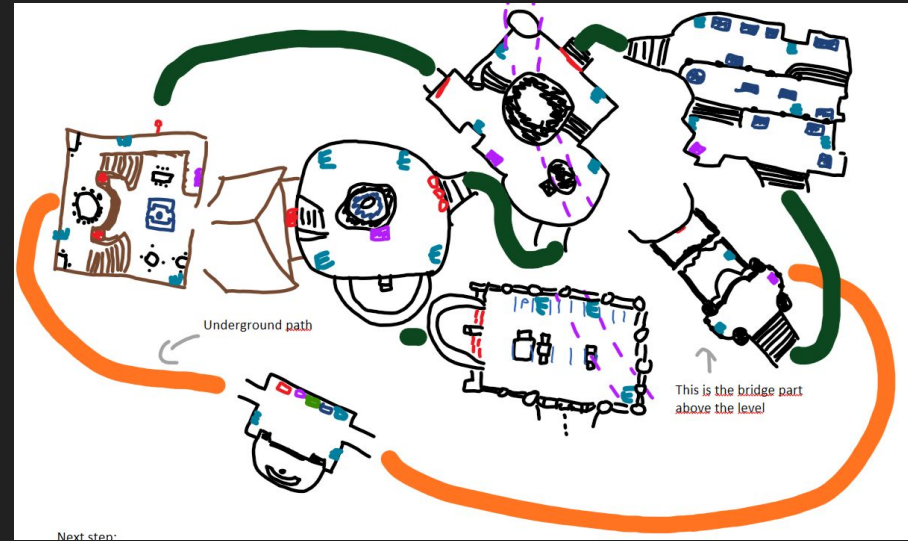
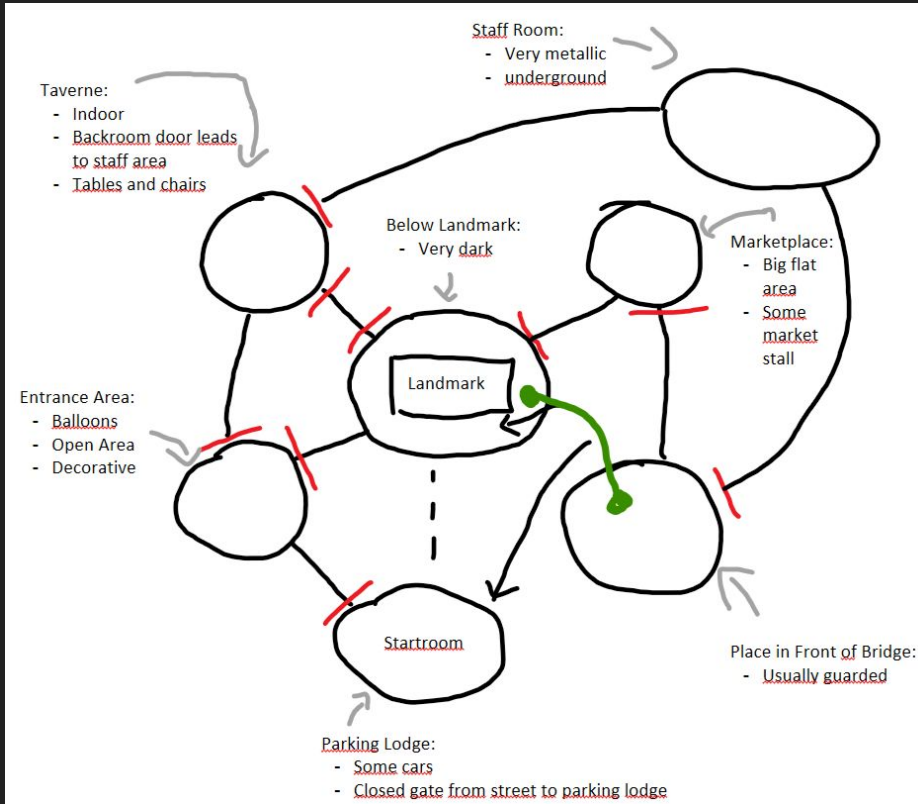
Generate NavRegion

Level Engineering - Level Process

- Supposed to be introduction (at first)
- -> Theme-wise: breaking into amusement park
- -> Gameplay-wise:
 - Simple beginning
 - Good orientation through big landmark in middle
 - Last room leads into first room again
 - Rooms being distinguishable districts

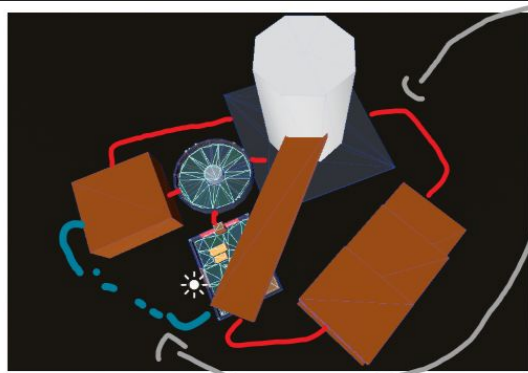


Level Engineering - Level Process



Rough layout -> Room sketches

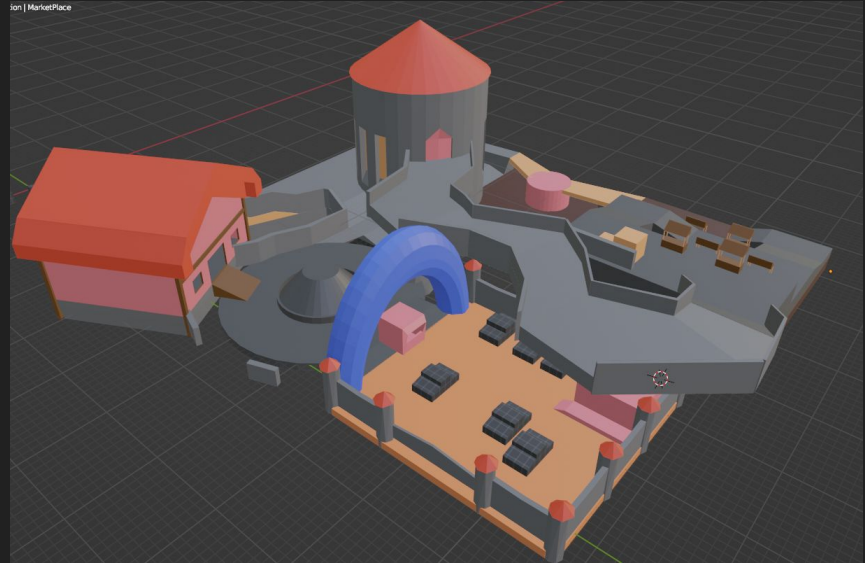
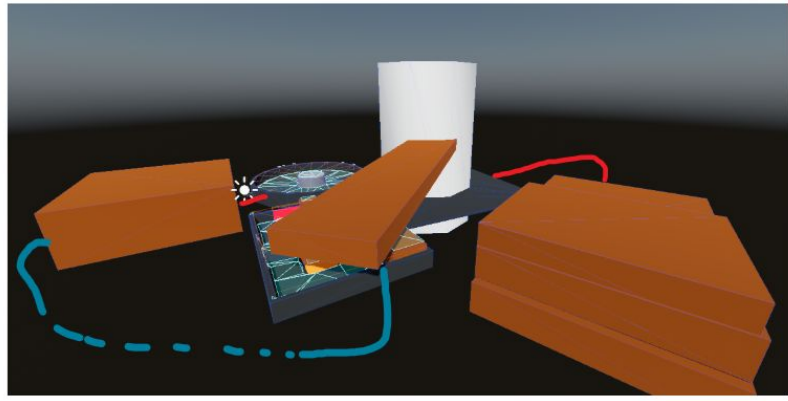
Level Engineering - Level Process



Corridors
(still need
design)

The underground staff room is missing in this picture

Would be placed under everything



Rough 3D layout -> Room
sketches realized in Blender

Level Engineering - Level Process



Screenshots with Post-processing

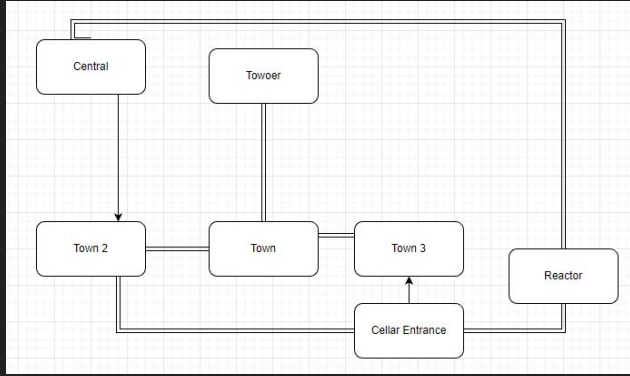


Level Engineering - Level Process

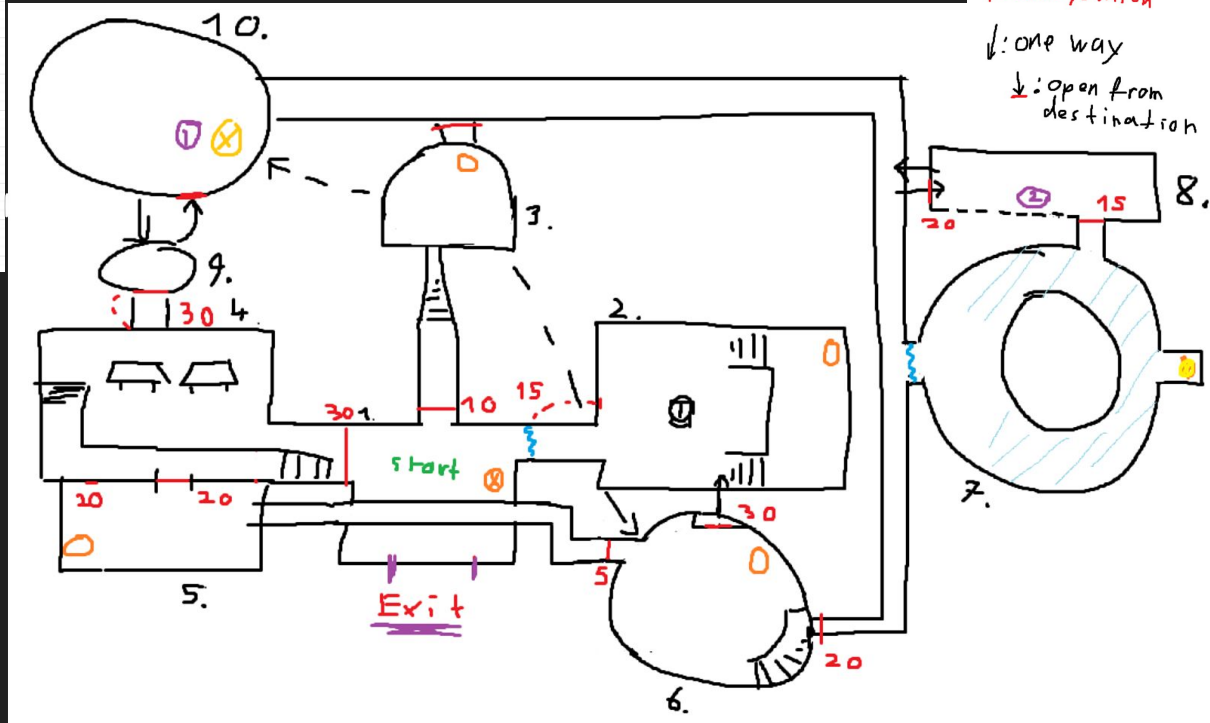


Screenshots with Post-processing

Level Engineering - Total Map Layout



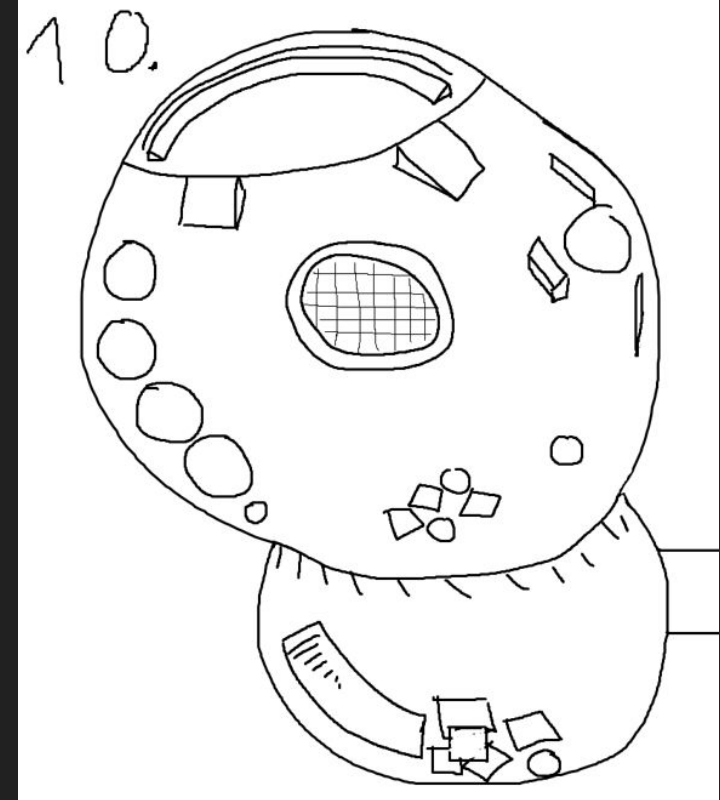
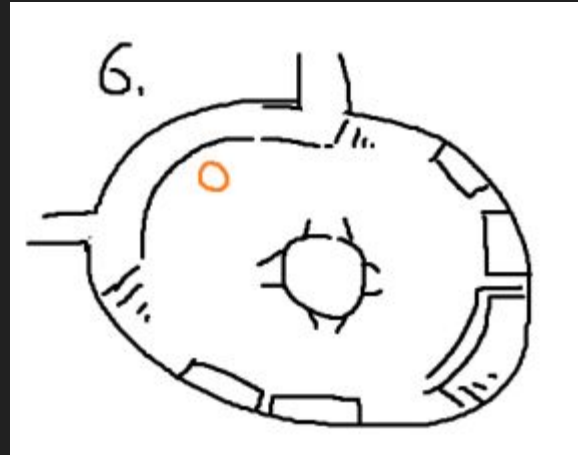
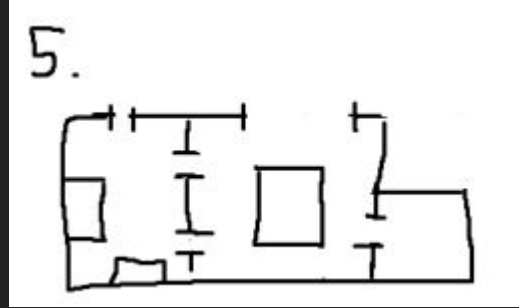
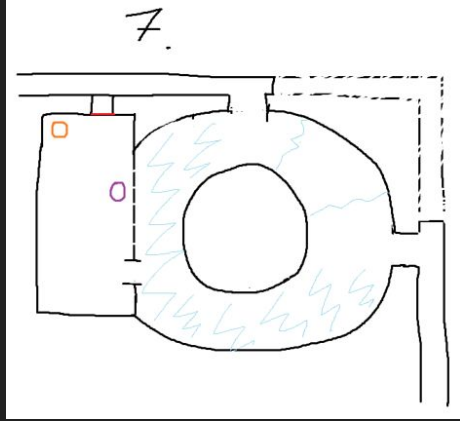
First Layouts and Sketches:



Based on Two Ideas:

1. See the whole map from a tower
2. Open the exit with two switches located in the sci fi area

Level Engineering - Control Center Single Room Layouts



Lots of small sketches of single rooms

Level Engineering - Mood Board

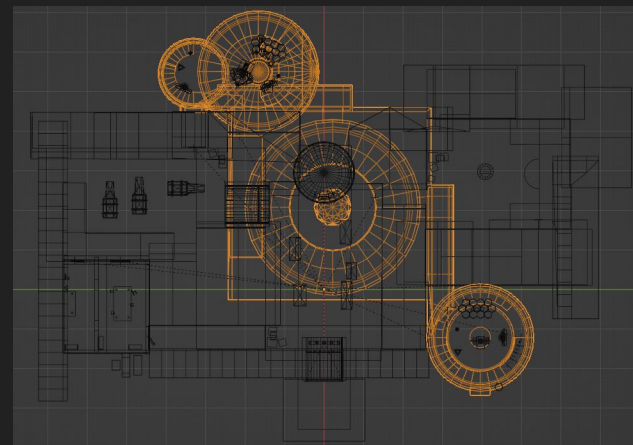
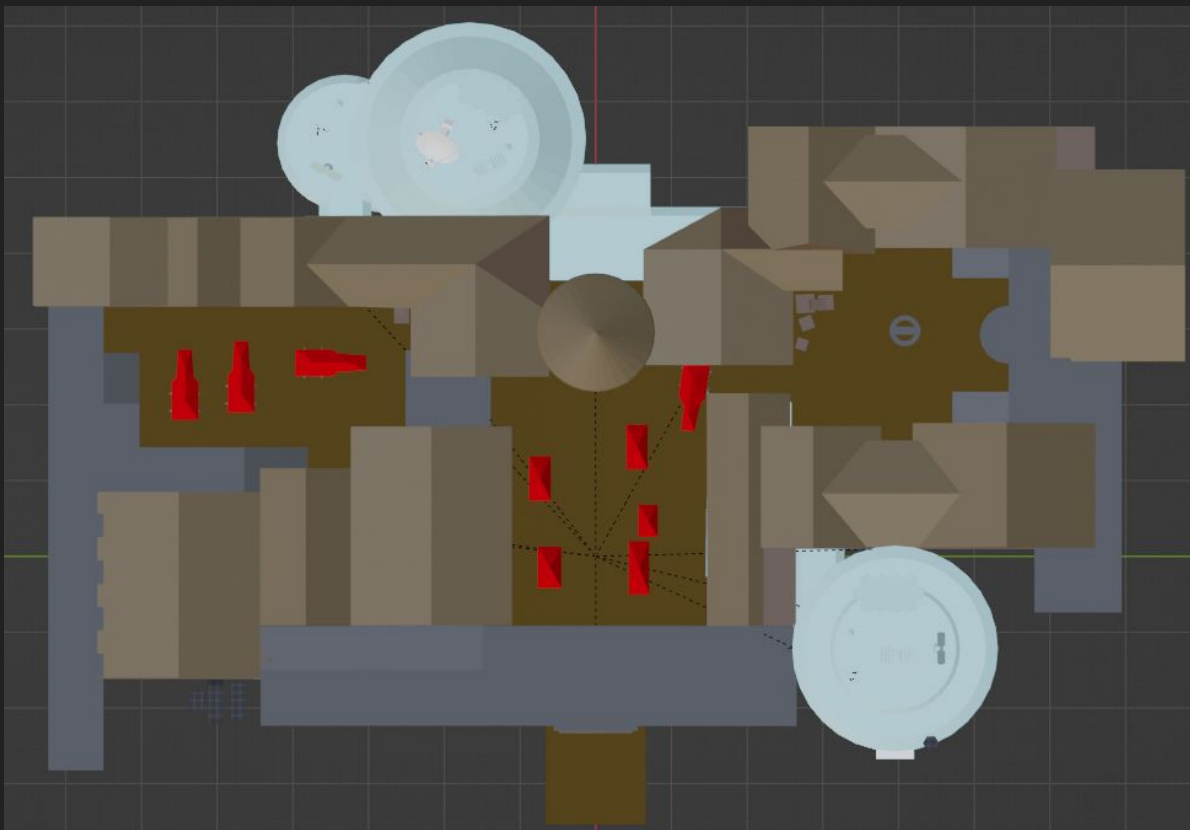
Sci Fi Stuff is hidden behind Medical Buildings



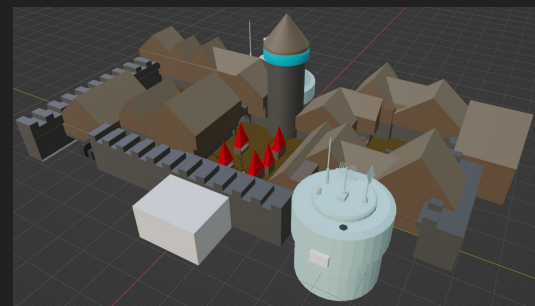
The Round Rooms are important



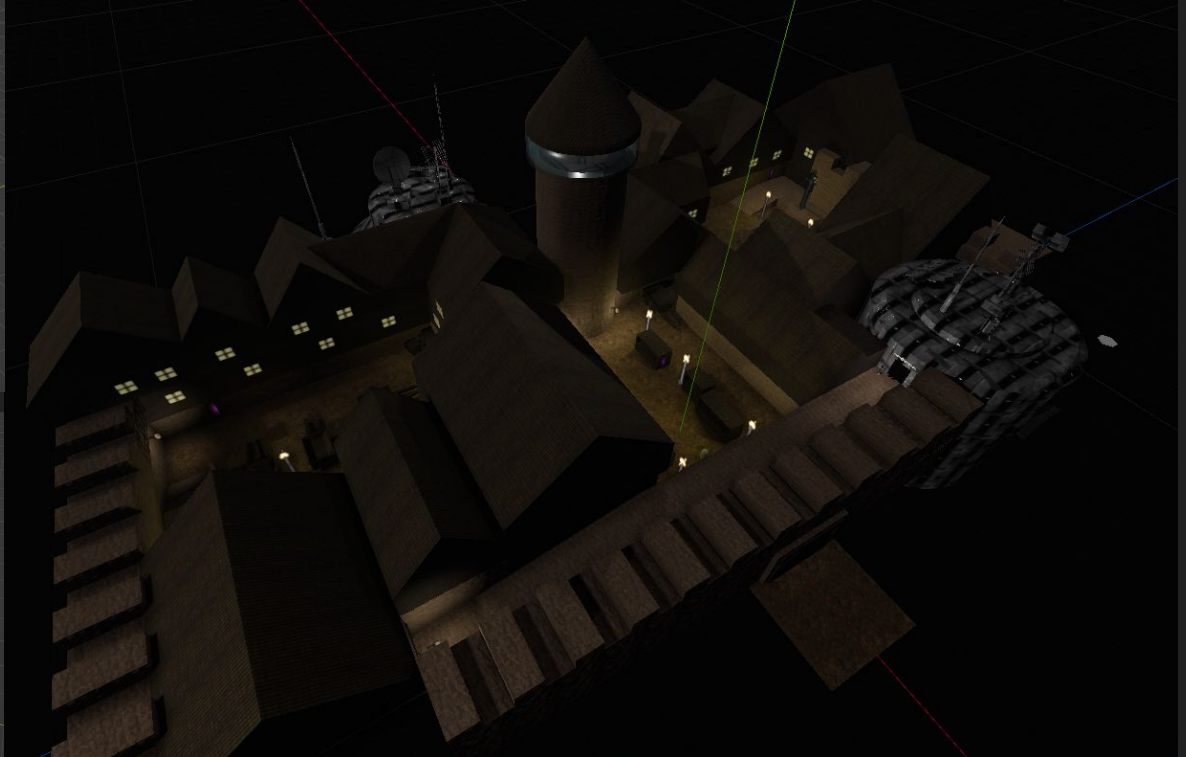
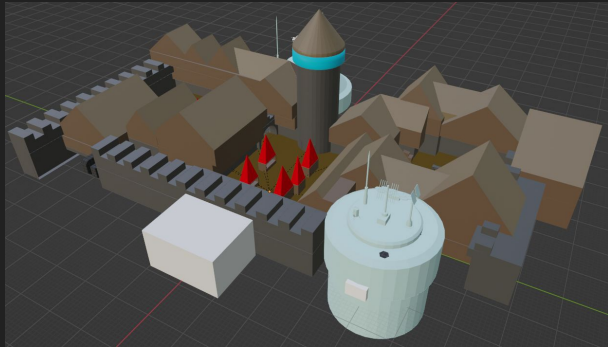
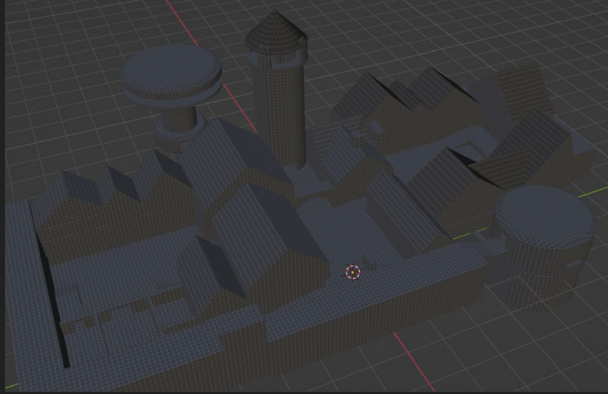
Level Engineering - Map and Final Layout



Map In Blender

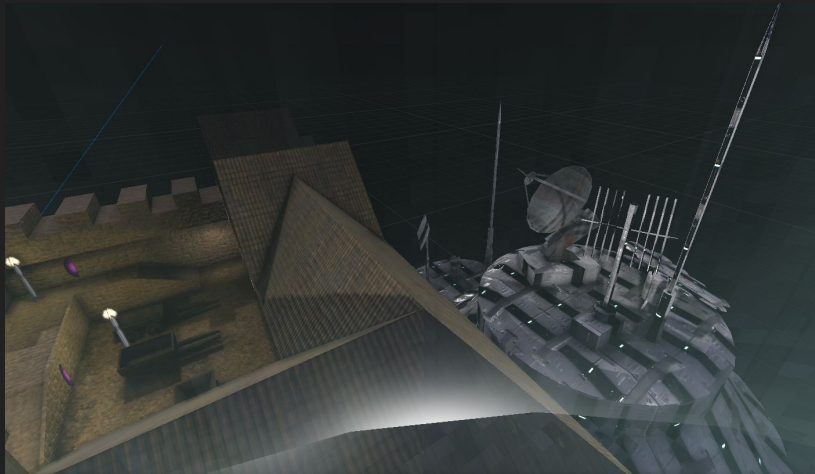


Level Engineering - Control Center Process



Level Engineering - Control Center Process

Command Room:
Outside and Inside



Reactor Room:



Level Engineering - Control Center Impressions

The first 3 Areas:



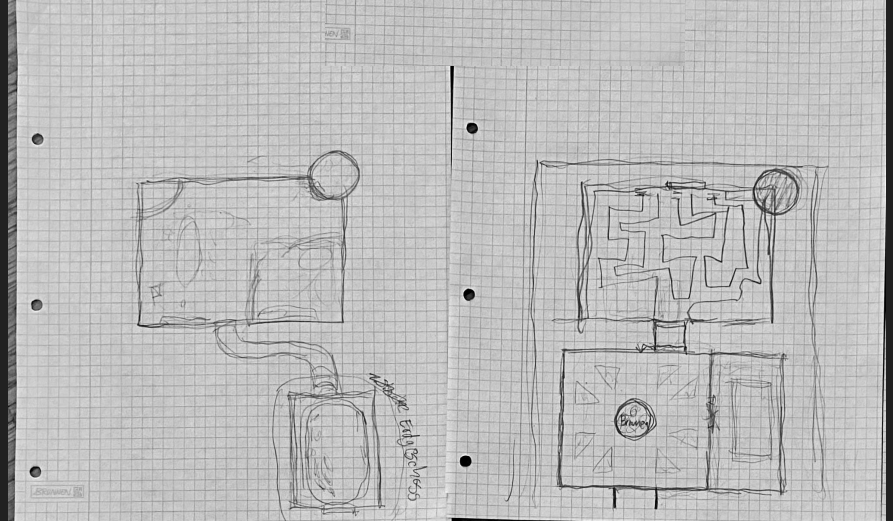
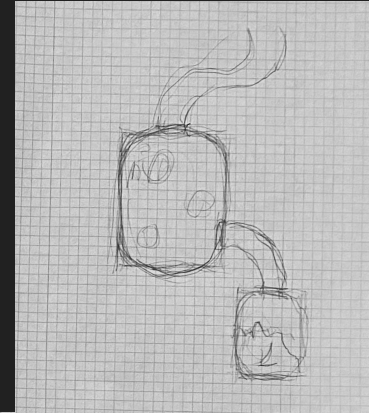
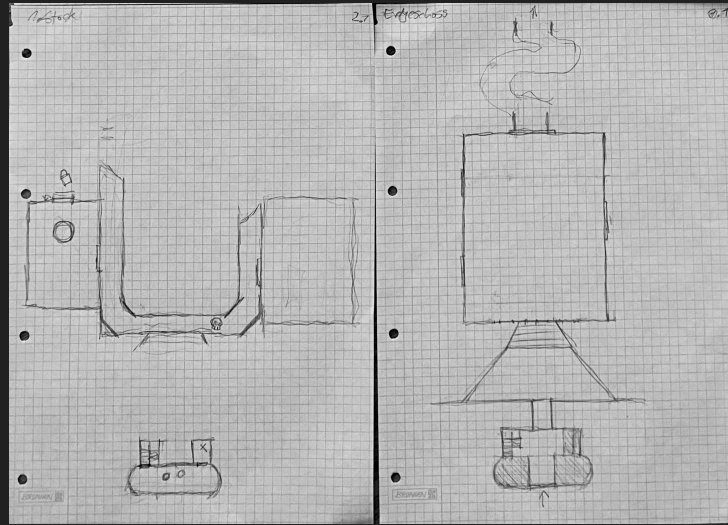
Level Engineering - Castle Progress

Concept:

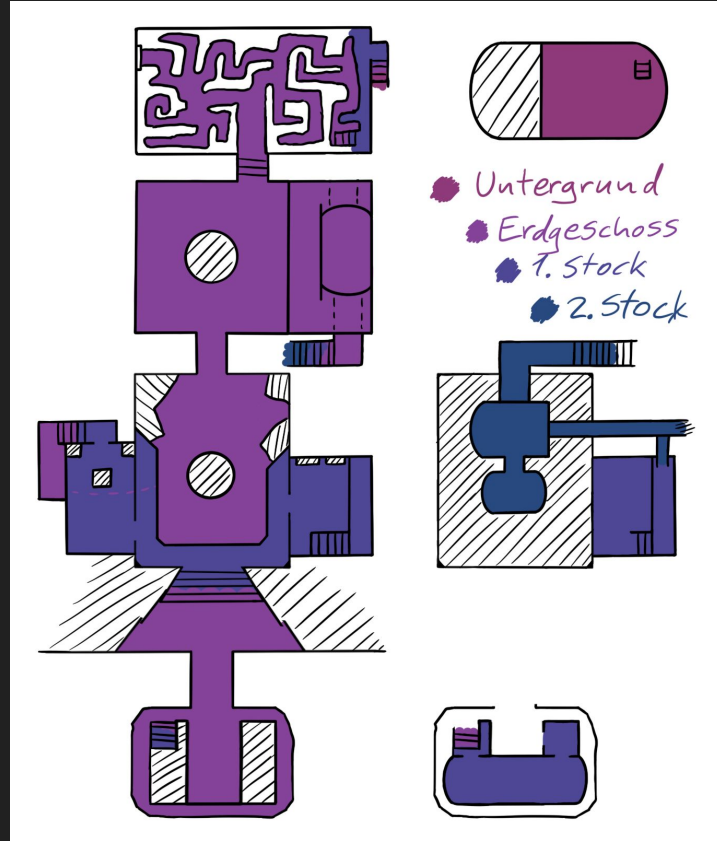
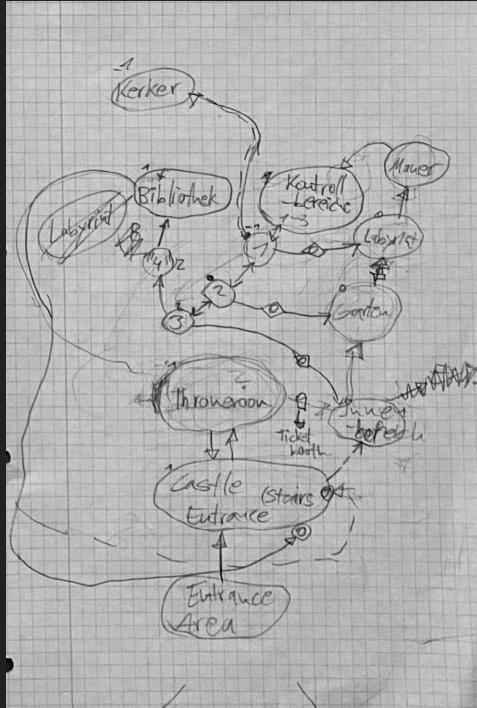
- Castle Area, with garden and labyrinth
- See through walls
- Moving through areas and, later, their surveillance rooms

Level Engineering - Castle Progress

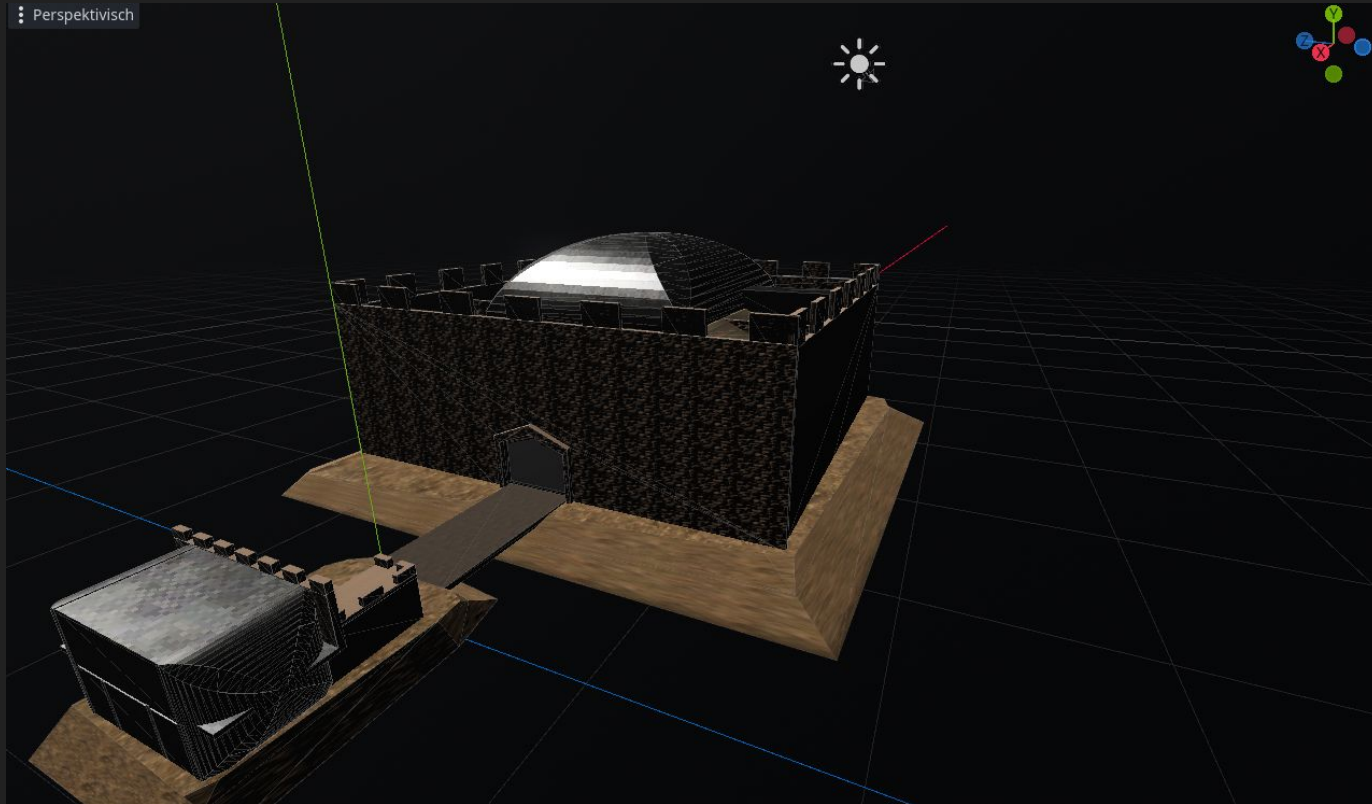
Concept Sketch



Level Engineering - Castle Progress



Level Engineering - Castle Progress



Level Engineering - Castle Impressions



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