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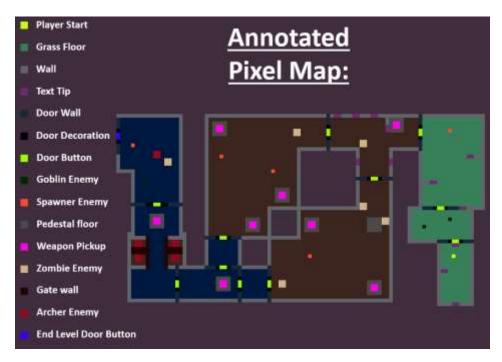
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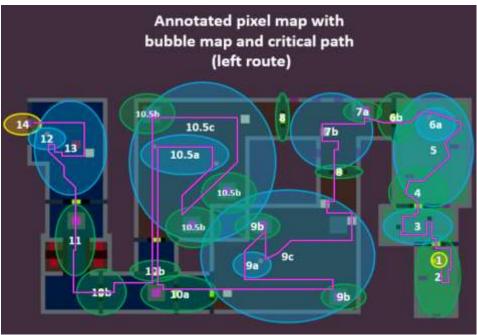
## **Game Overview:**

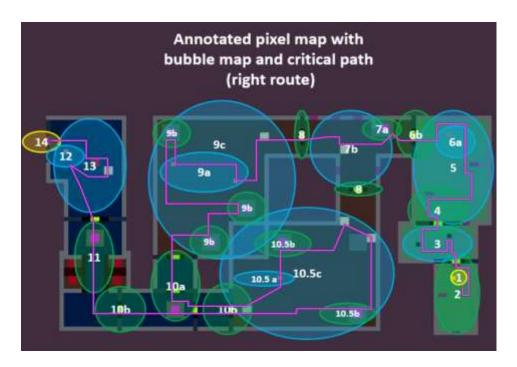
## Design brief:

This is a game design document for Ammo Crisis Alpha Build. The framework is a third person survival shooter. Where players must shoot and kill hordes of enemies to reach the end of the level. This document focuses on the levels design, gameplay mechanics, weapon diagrams, user interface and testing implementation to create a balanced experience.

### Level flow breakdown:







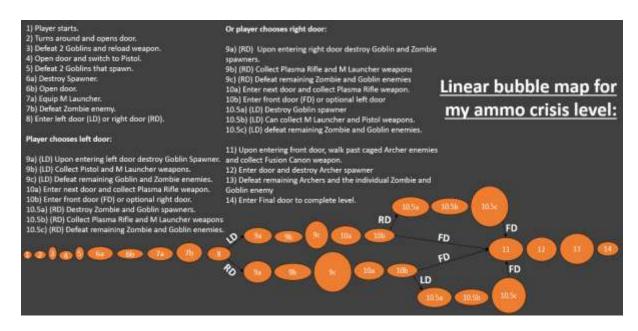
The level follows a non-linear structure to its design. Because there are multiple paths the player can choose from to finish the level. Hence why there is multiple diagrams to visualise this path.

**Act 1 (1-7B)-** follows a linear pat and serves as an area of introduction for the player. Were they learn the core mechanics of Ammo Crises, including combat encounters with Goblin enemies, how the Spawner works and opening doors.

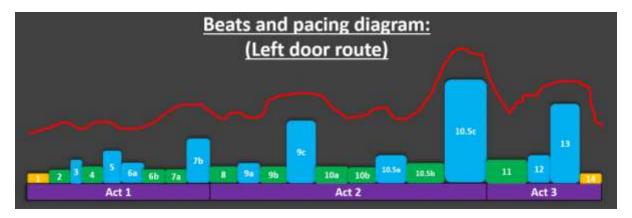
**Act 2 (8-10b)-** Is where gameplay challenge heightens with giving players more agency. Since players now have a choice of choosing the left or right. If the players choose the left path they can fight 3 Zombies, collect a Pistol and Rocket Launcher weapon, and destroy the Goblin Spawner. Next players reach **10b** where they can either go forward to **11** or turn right. Where they can collect a Plasma Rifle, Pistol, and Rocket Launcher weapons. Then destroy the Zombie and Goblin Spawner. However, if players were to go down the right path, it's the exact same as the left path but in reverse.

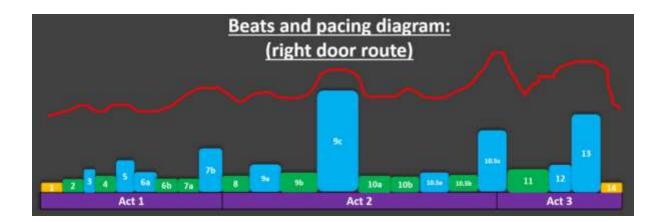
**Act 3 (11-14)**- Is where players reach the climax and pick up the most powerful weapons in the level: the fusion cannon. Plus fight the strongest enemy in the level, the Archers. The purpose of this act is more so to reward the player from their earlier actions. Because act 2 is designed to be more challenging than act 3. Directly enhancing the game feel because the player feels powerful and accomplished from receiving the Fusion Canon weapon. Because it feels well earnt and is fun to use to take on the several Archers and weaker enemy types like Zombies and Goblins.

Further breakdown:

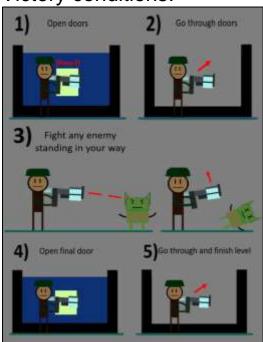


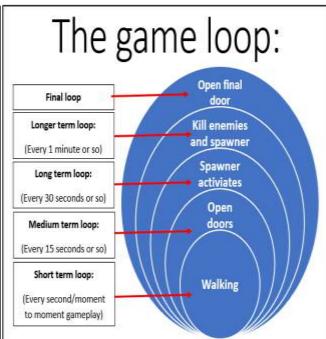






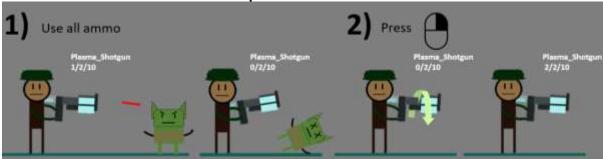
## Victory conditions:



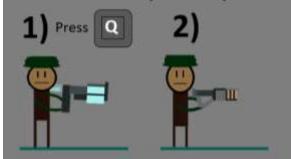


# **Gameplay Mechanics:**

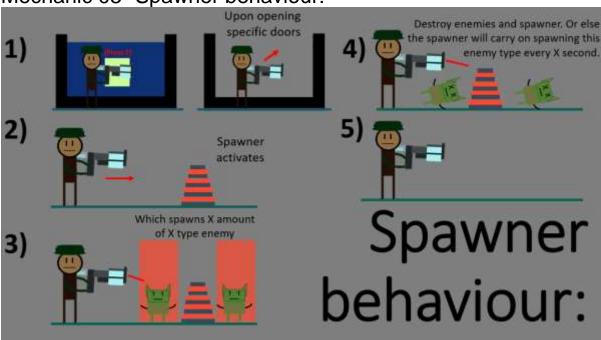
### Mechanic 01- Reload weapon:



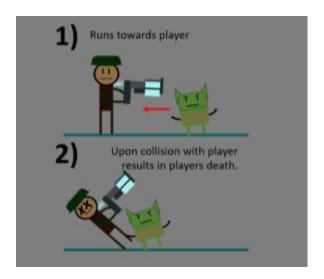
## Mechanic 02- Swapping weapons:



## Mechanic 03- Spawner behaviour:



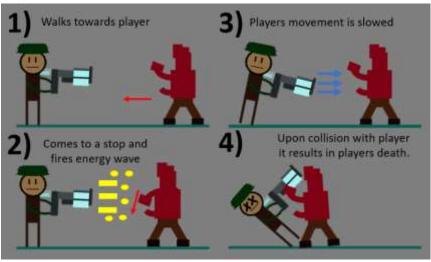
Mechanic 04- Goblin behaviour:



## Mechanic 05- Zombie behaviour:

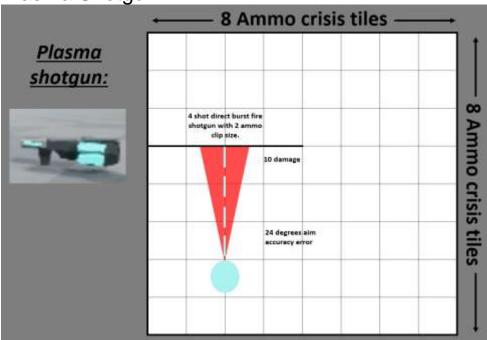


## Mechanic 06- Archer behaviour:

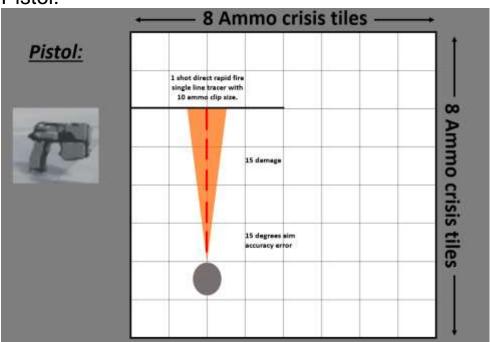


# **Weapon Mechanic Diagrams:**

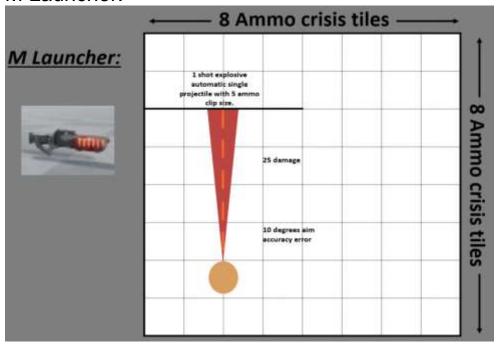
Plasma Shotgun:



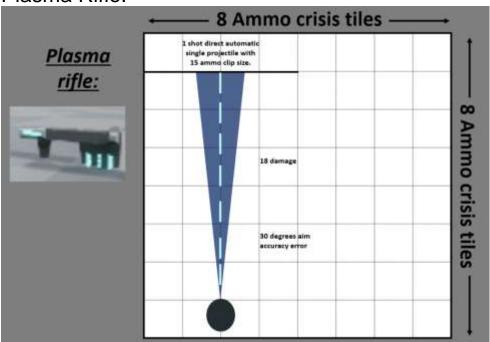
Pistol:



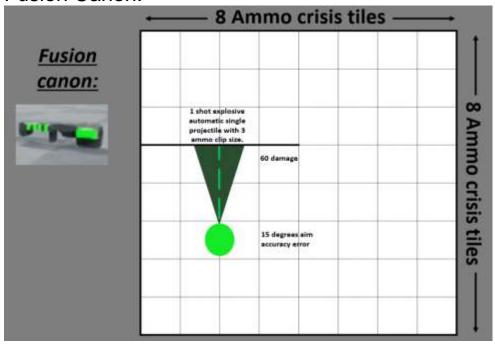
## M Launcher:



## Plasma Rifle:

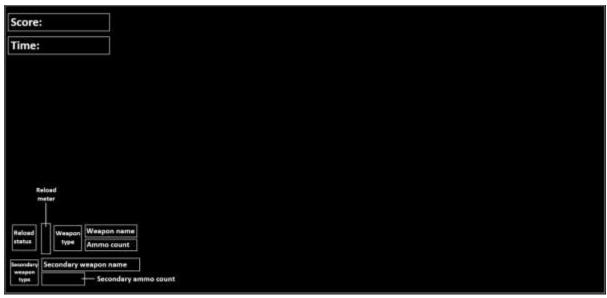


## **Fusion Canon:**



# **User Interface**

Wireframe of User Interface:

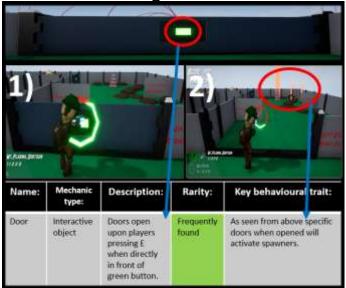


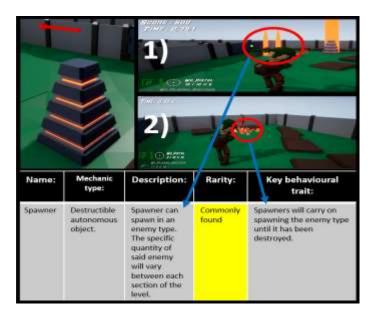
Comparison to in-engine screenshot:



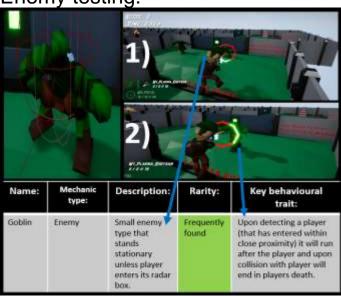
# **Testing Findings:**

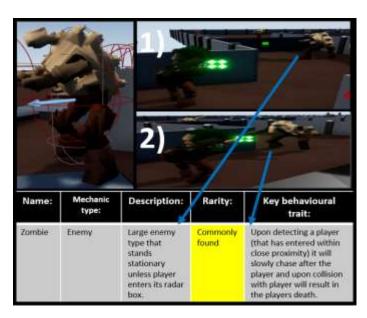
Mechanic testing:

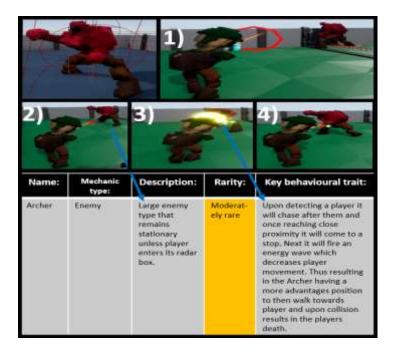




**Enemy testing:** 

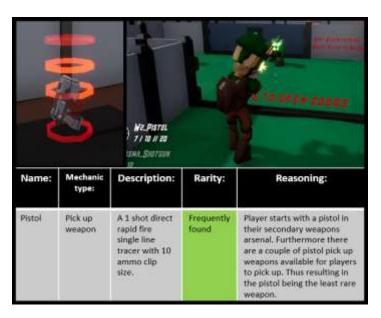


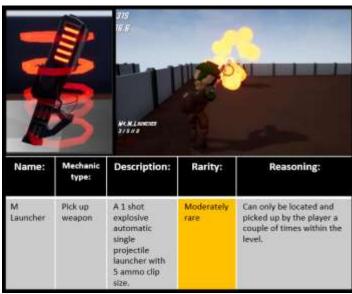


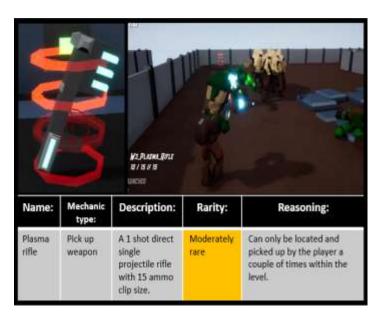


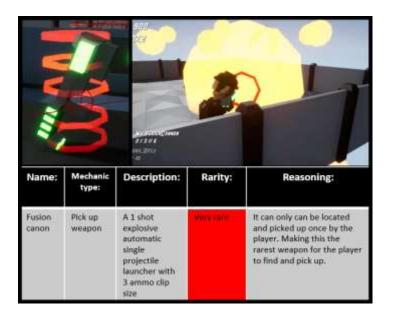
## Weapon testing:











# **Balanced Results:**

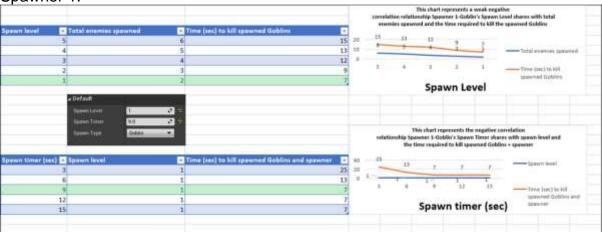
## Balanced point tables:

Scale: 1= Poor, 2= Bad, 3= Medium, 4= Good, 5= Excellent						
Weapon:	Damage	Clip size	Ammo count	Reload clip	Range	
Plasma shotgun	2	1	2	2	3	
Pistol	1	4	3	5	4	
M Launcher	4	3	2	3	4	
Plasma Rifle	3	5	5	4	5	
Fusion canon	5	2	1	1	2	

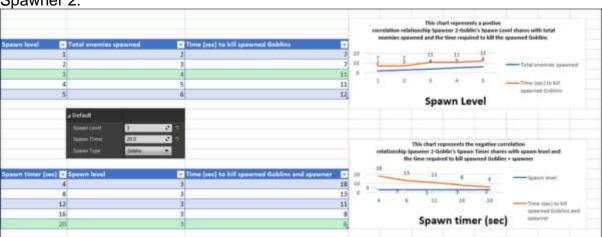
Scale: 1= low, 2= medium, 3= high				
Enemy:	Health	Max speed		
Goblin	1	3		
Zombies	2	1		
Archers	3	2		

### Mechanic balance graphs:

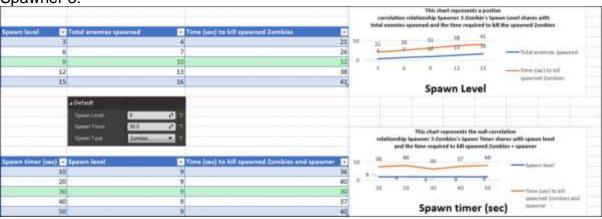
Spawner 1:



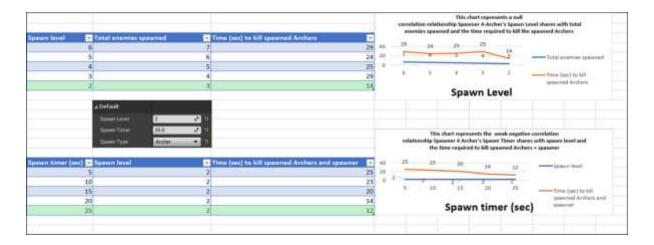
Spawner 2:



Spawner 3:



#### Spawner 4:



### Enemy balance graphs:

#### Goblin:



Zombie:

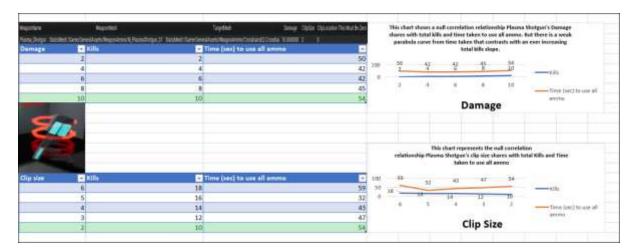


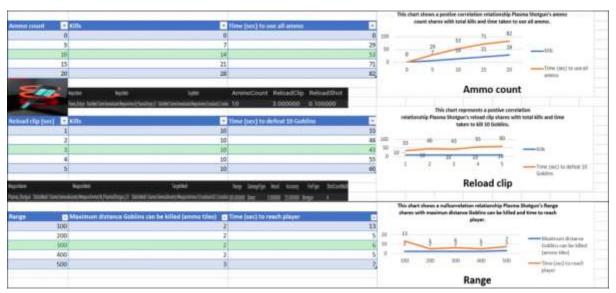
#### Archer:



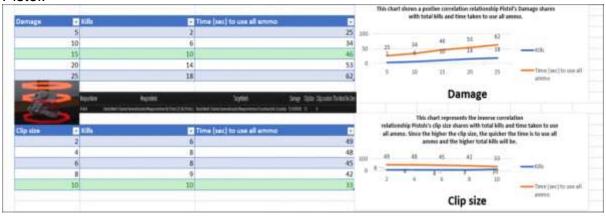
Weapon balance graphs:

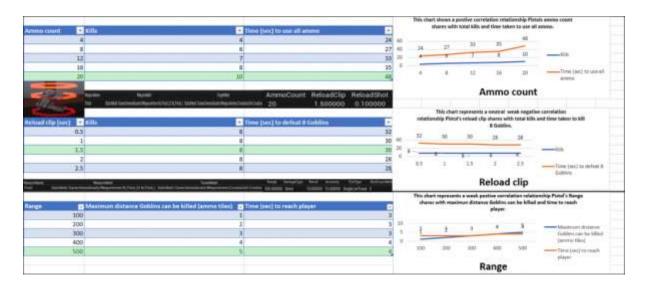
Plasma Shotgun:



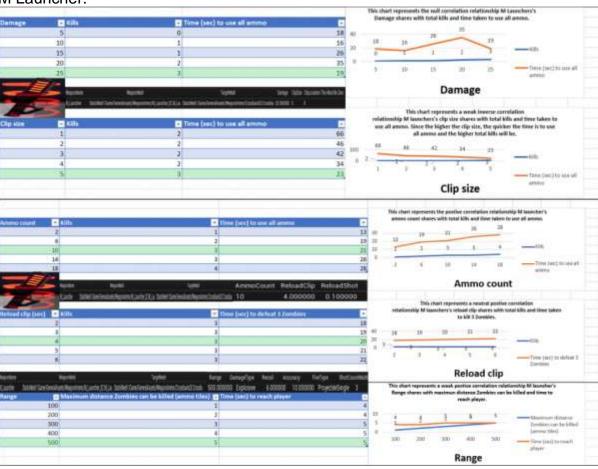


#### Pistol:





#### M Launcher:



Plasma Rifle:



#### **Fusion Canon:**

